



Company: International Ocean Discovery Program

Well: **Expedition 395C, Site U1554E**

Field: **North Atlantic Mantle Convection&Climate**Rig: **JOIDES Resolution** Ocean: **Atlantic**

Rig: JOIDES Resolution Field: North Atlantic Mantle Convection Location: Latitude: N 60.12539 Well: Expedition 395C, Site U1554E Company: International Ocean Discovery Program	Formation Micro Scanner (FMS) Dipole Shear Sonic (DSI) Natural Gamma (HNGS)			
	LOCATION	Latitude: N 60.12539 Longitude: W 26.7022		Elev.: K.B. 0.00 m G.L. -1880.80 m D.F. 0.00 m
		Permanent Datum: Sea Floor		Elev.: -1880.80 m
		Log Measured From: Rig Floor		1880.80 m above Perm. Datum
		Drilling Measured From: Rig Floor		
API Serial No.		Max. Hole Devi. 12 deg	Longitude W 26.7022	Latitude N 60.12539

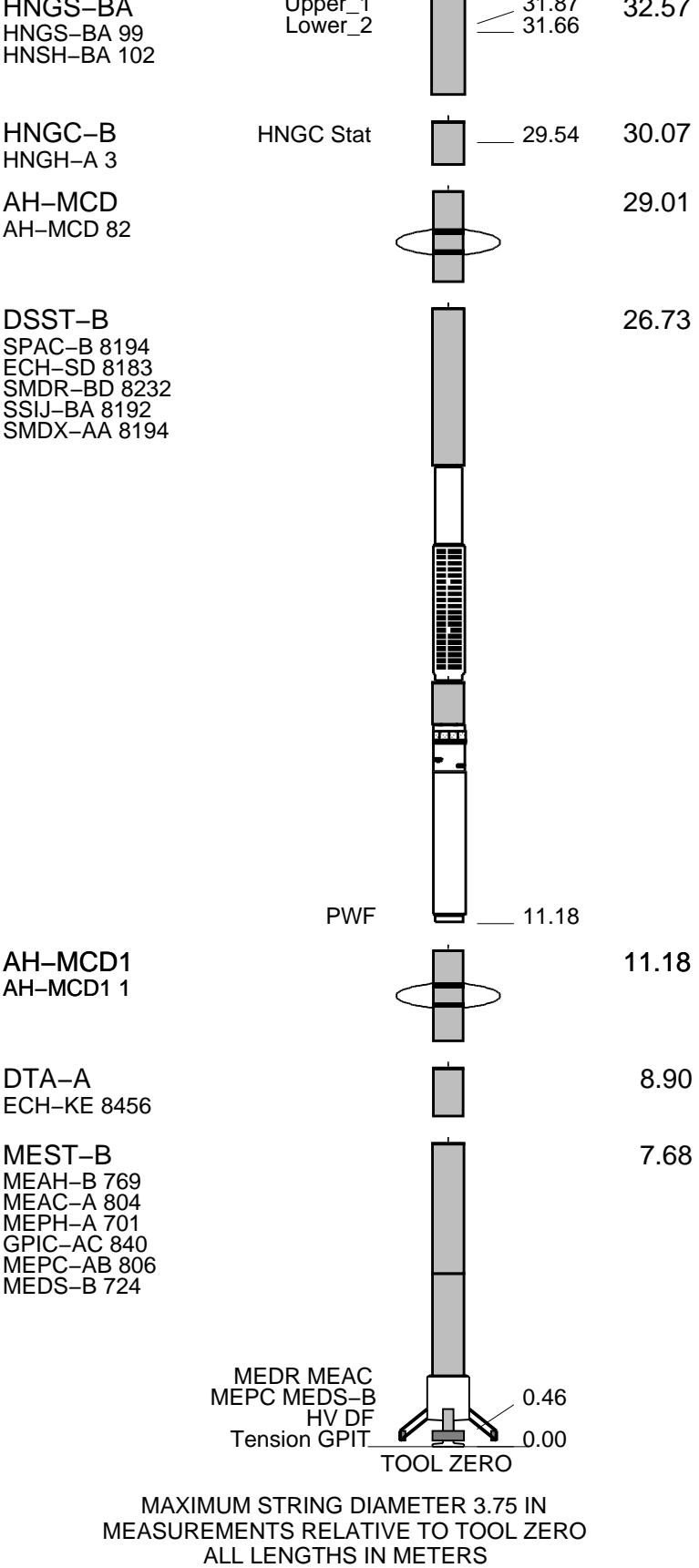
Logging Date			27-Jun-2021					
Run Number			1					
Depth Driller			2528.5 m					
Schlumberger Depth			2526 m					
Bottom Log Interval			2526 m					
Top Log Interval			1950 m					
Casing Driller Size @ Depth			5.500 in @ 1953.5 m			@		
Casing Schlumberger			1950 m					
Bit Size			11.438 in					
Type Fluid In Hole			Sepiolite Barite weighted					
MUD	Density	Viscosity	1.258 g/cm3					
	Fluid Loss	PH		8.07				
	Source Of Sample		Mudpit					
	RM @ Measured Temperature		0.220 ohm.m @ 23 degC			@		
RMF @ Measured Temperature		@			@			
RMC @ Measured Temperature		@			@			
Source RMF	RMC	N/A	N/A					
RM @ MRT	RMF @ MRT	0.270 @ 15	@ 15	@	@	@		
Maximum Recorded Temperatures		15 degC						
Circulation Stopped		Time	27-Jun-2021		11:00			
Logger On Bottom		Time	27-Jun-2021		23:15			
Unit Number		Location	627314 Larose, LA					
Recorded By			K. Swain					
Witnessed By			Z. Mateo					

[illegible]

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

<p style="text-align: center;">DISCLAIMER</p> <p>THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.</p>	
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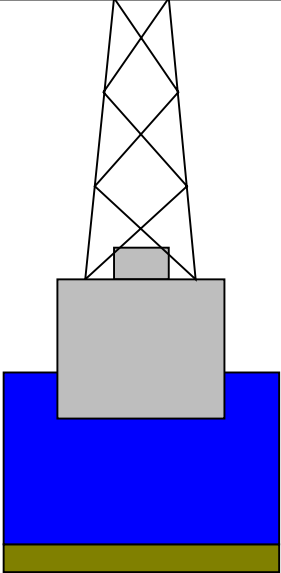
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	OD	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

0
0

11



4.1

1880.8 4.1
1953.5 9.875

2528.5

Sea Floor
Open Hole

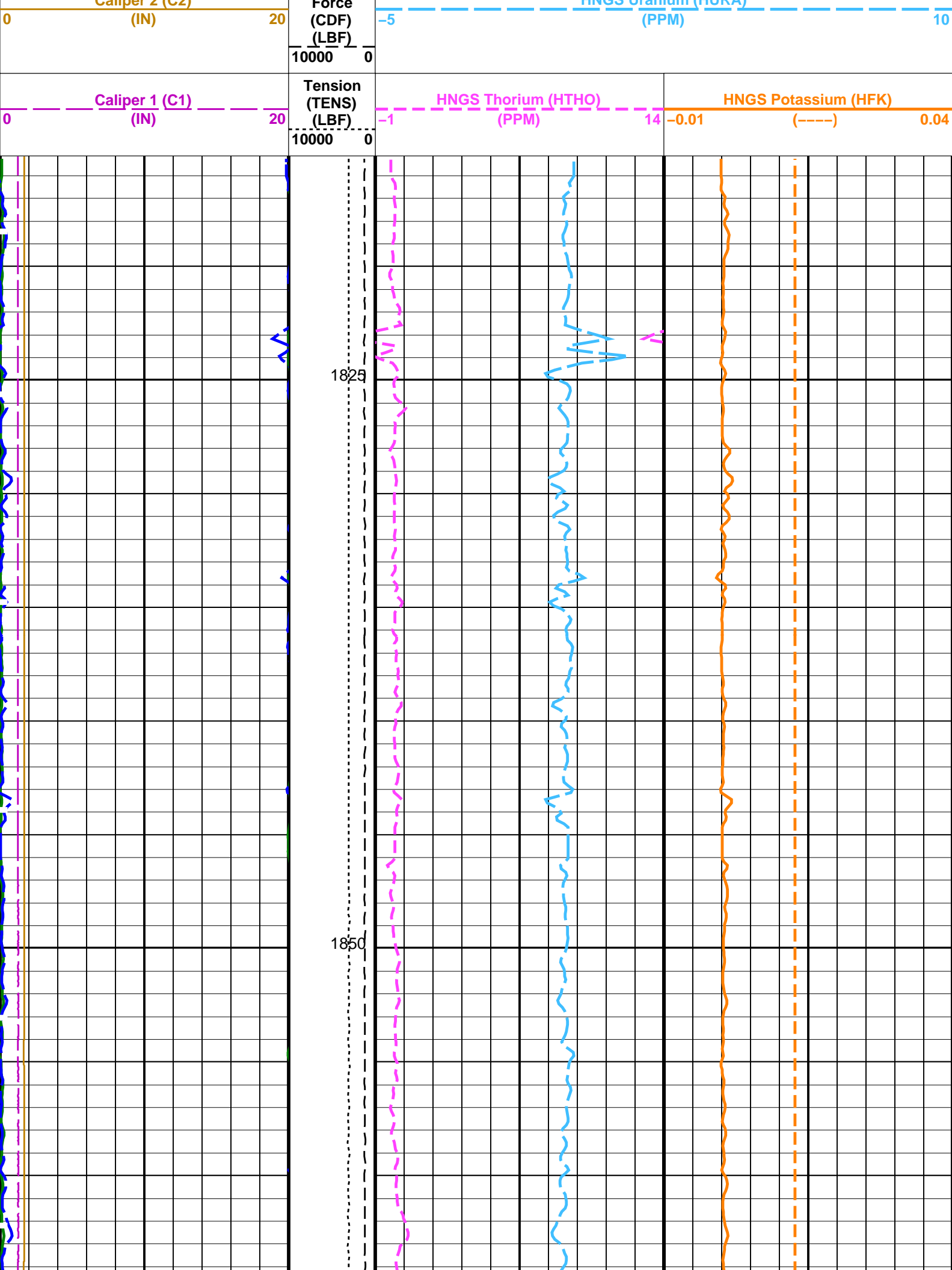
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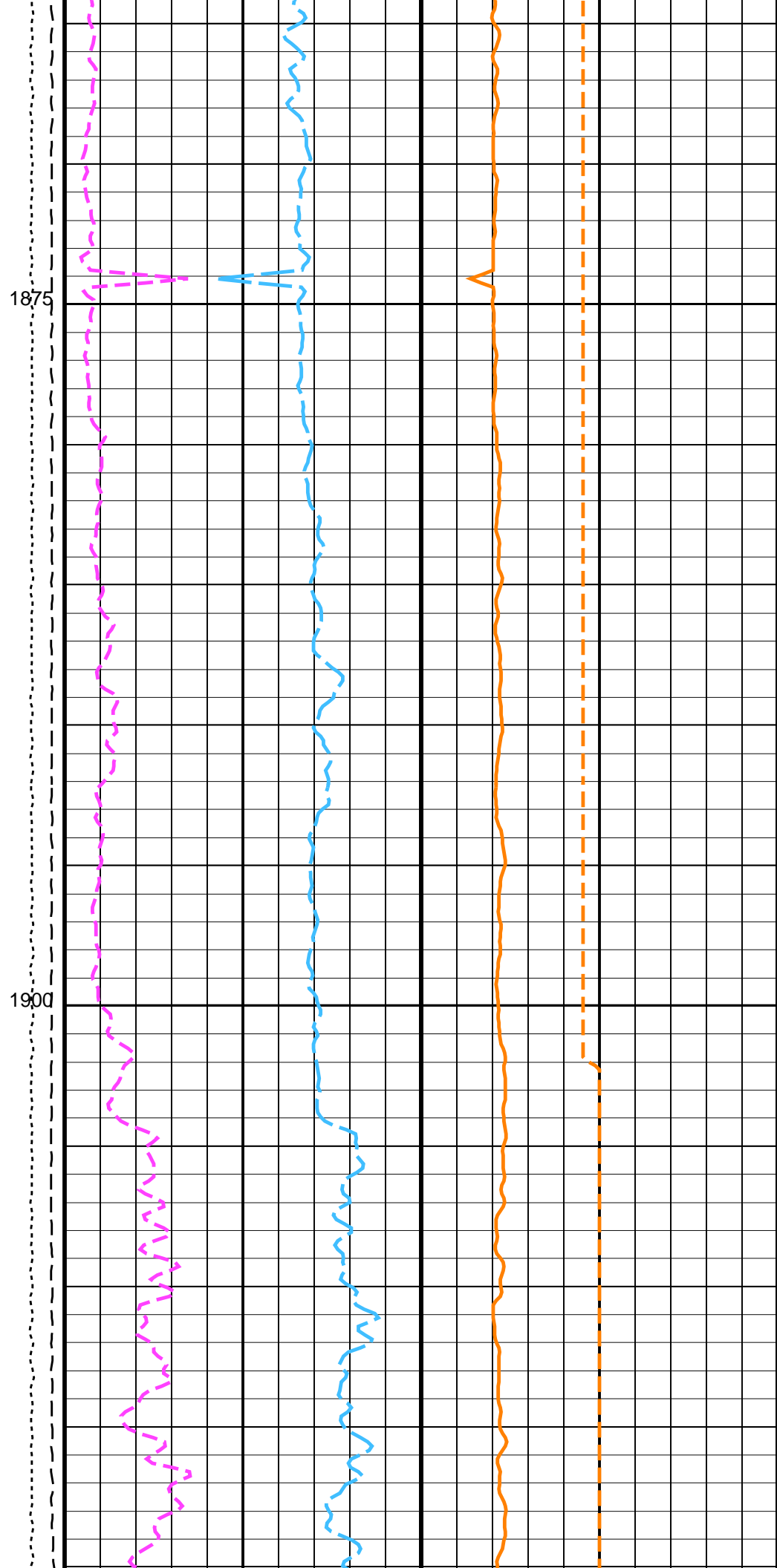
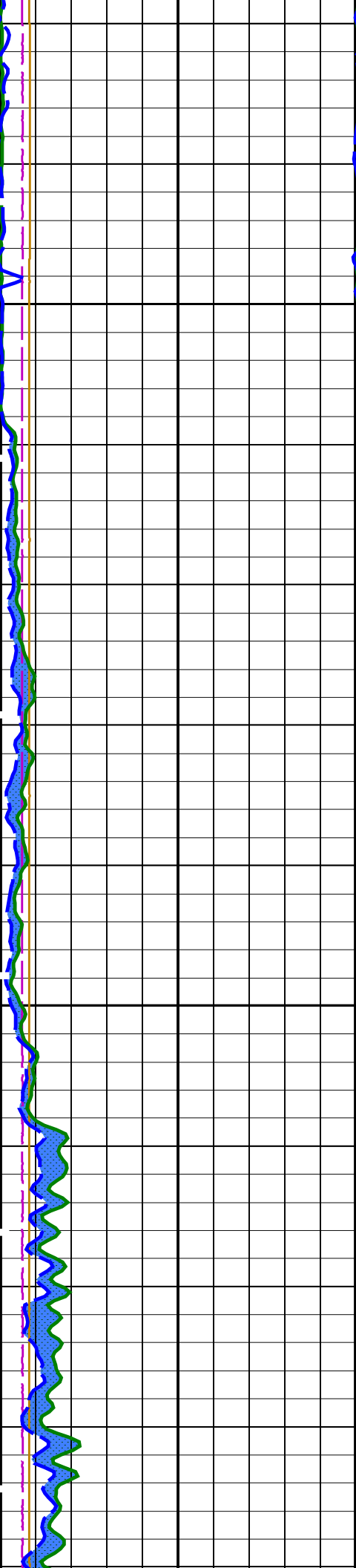


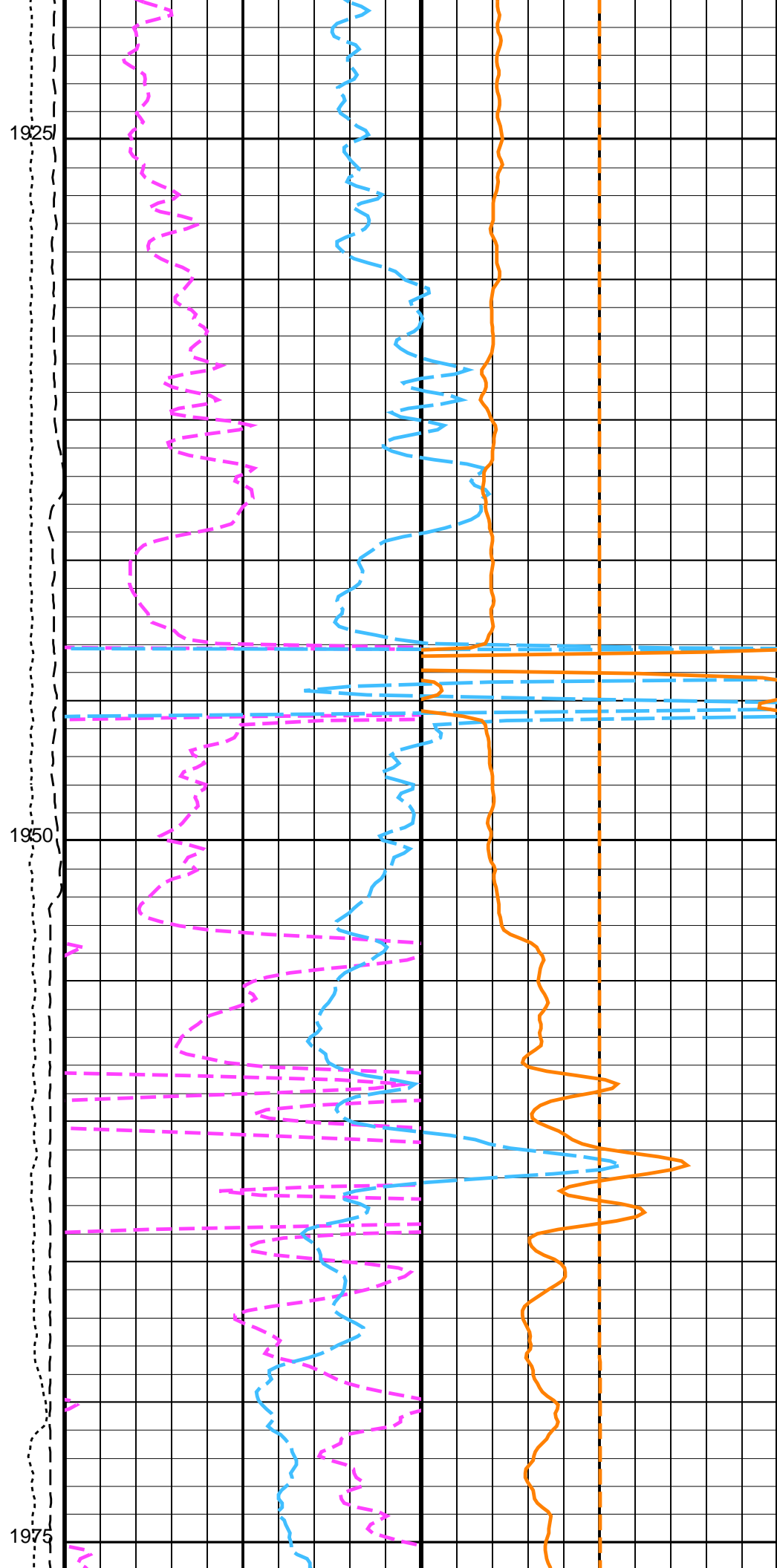
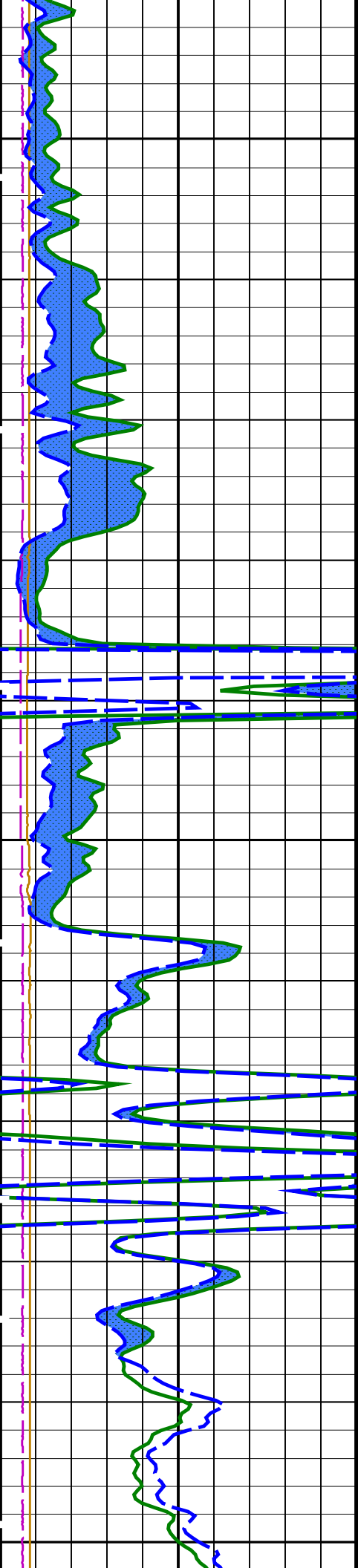
Input DLIS Files					
	Flip_FMS_DSI_NGS_022LUP	FN:1	28-Jun-2021 19:08	2530.6 M	1815.1 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_028PUP	FN:43	PRODUCER	28-Jun-2021 22:01	2530.3 M 1815.1 M
OP System Version: 19C0-187					
MEST-B	19C0-187	DTA-A	19C0-187		
DSST-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	DTC-H	19C0-187		

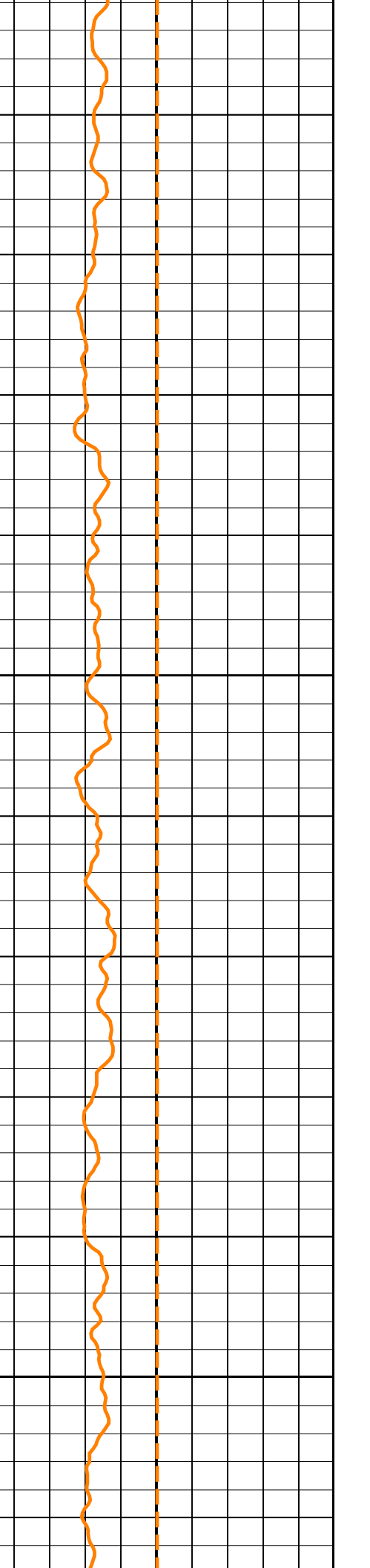
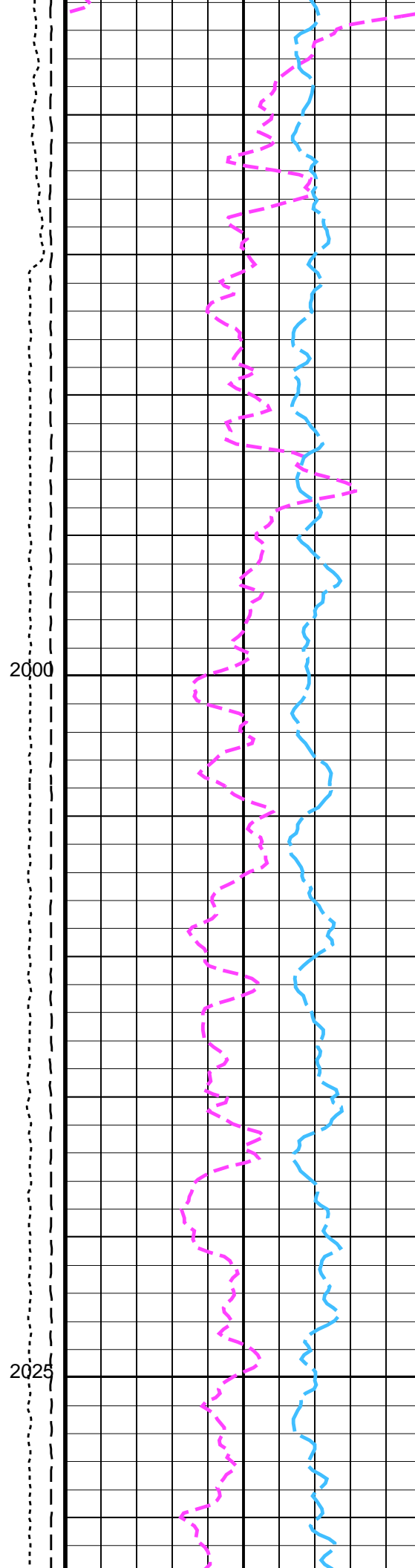
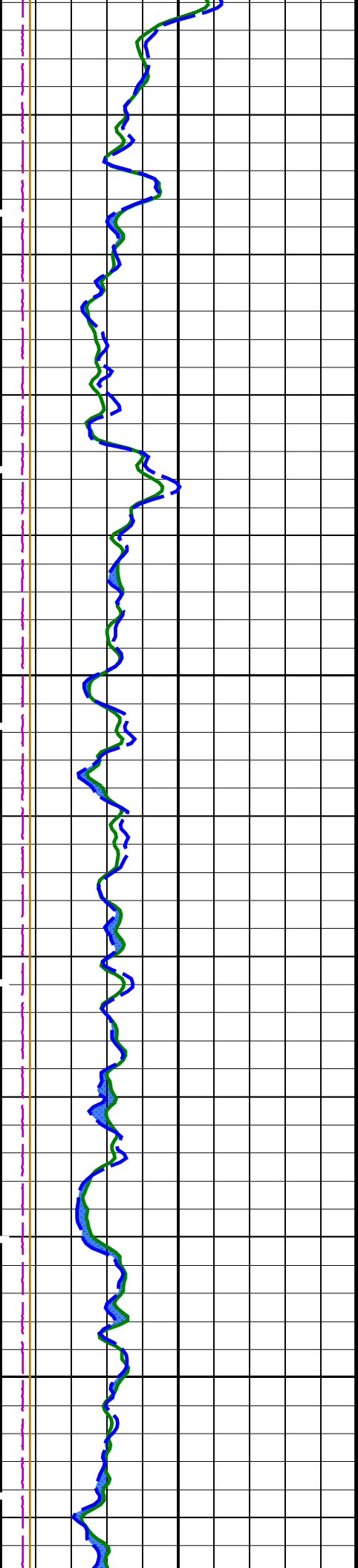
PIP SUMMARY			
<div>Time Mark Every 60 S</div>			
<div>HNGS Spectroscopy Gamma Ray (HSGR)</div> <div>0 (GAPI) 100</div>		<div>Flipped Downlog</div>	
<div>Area1</div> <div>From HCGR to HSGR</div>			
<div>HNGS Computed Gamma Ray (HCGR)</div> <div>0 (GAPI) 100</div>			
		<div>HNGS Borehole Potassium (HBHK)</div> <div>-0.05 (----) 0.05</div>	

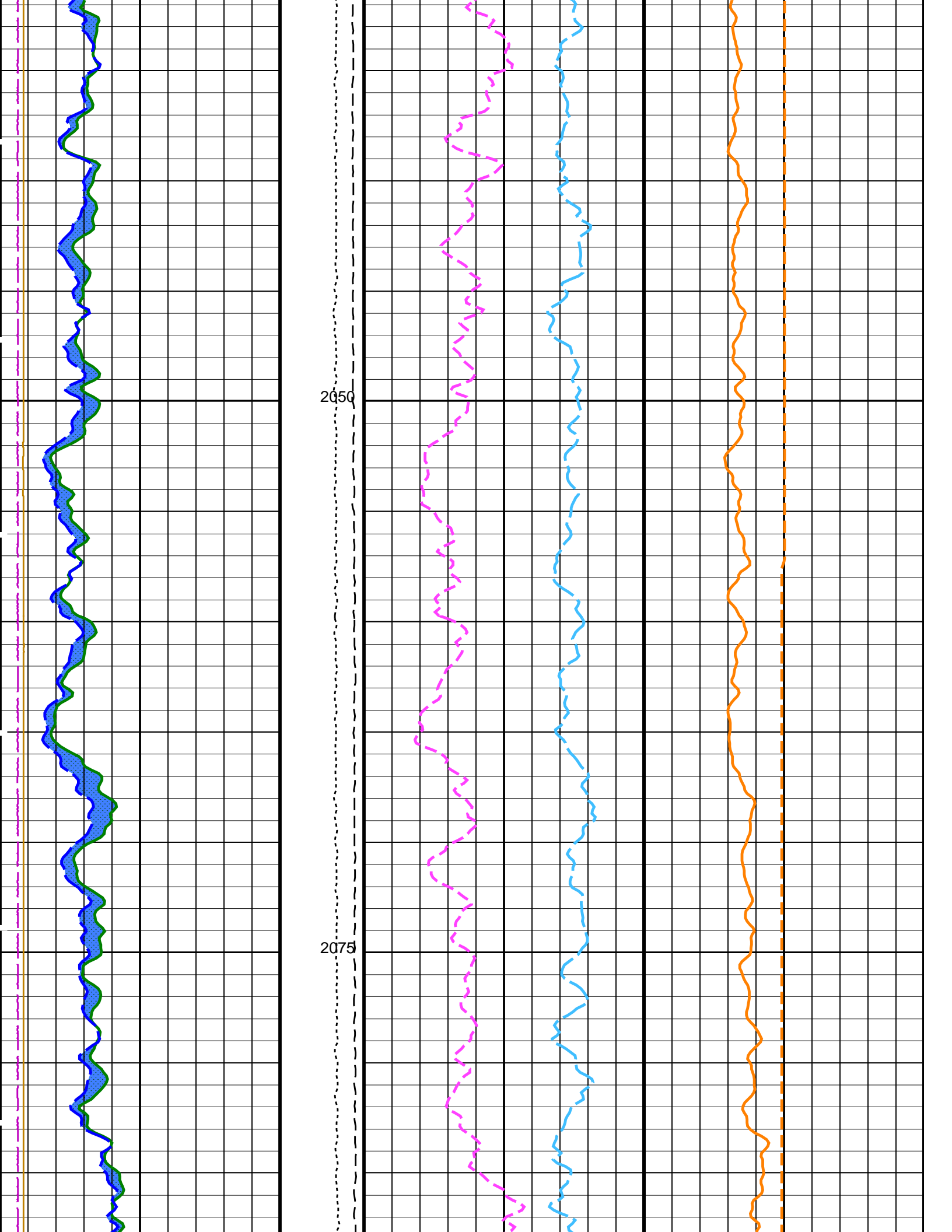
Caliper 2 (C2)	Calibrated Downhole	HNGS Uranium (HURA)
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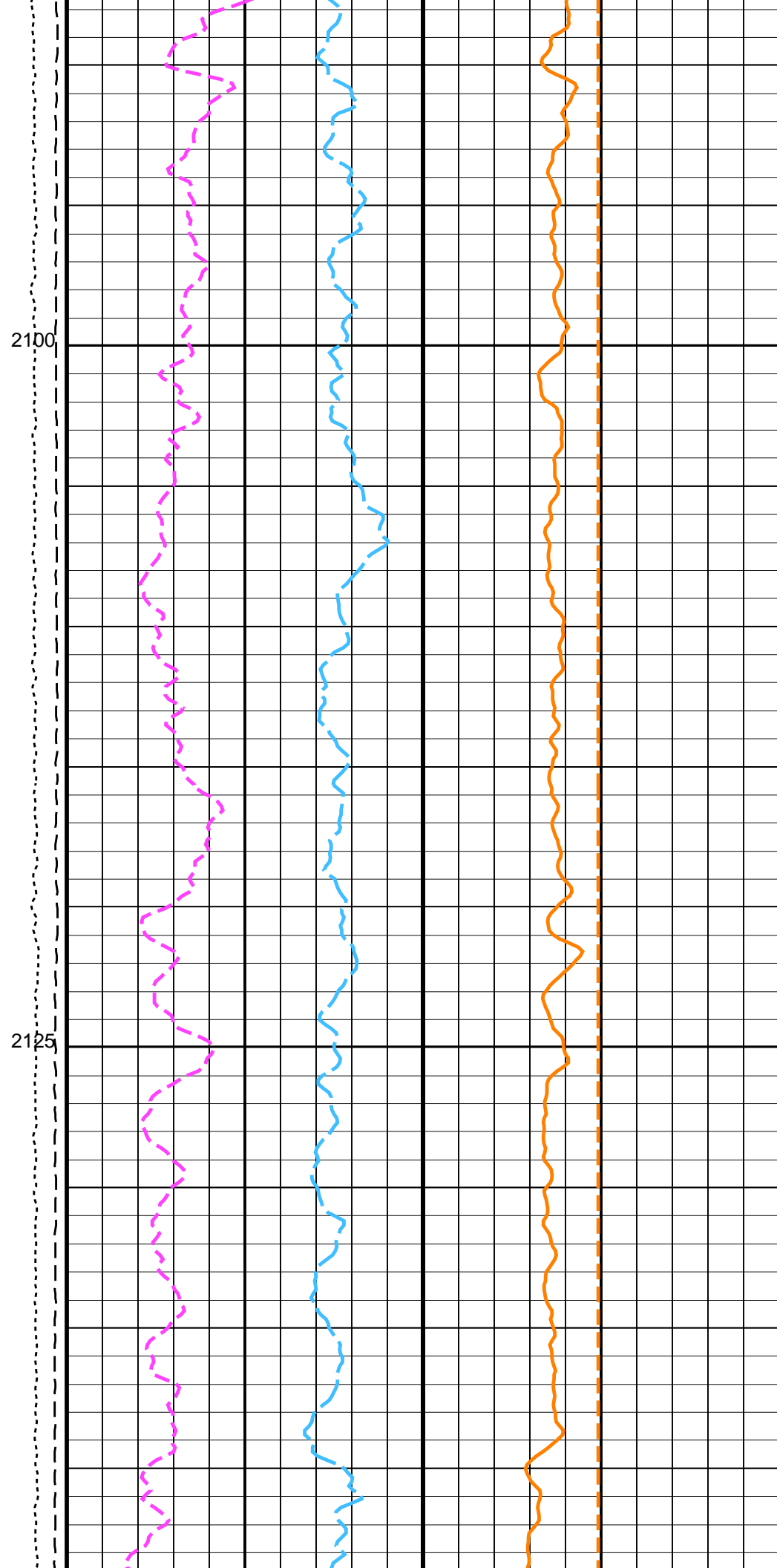
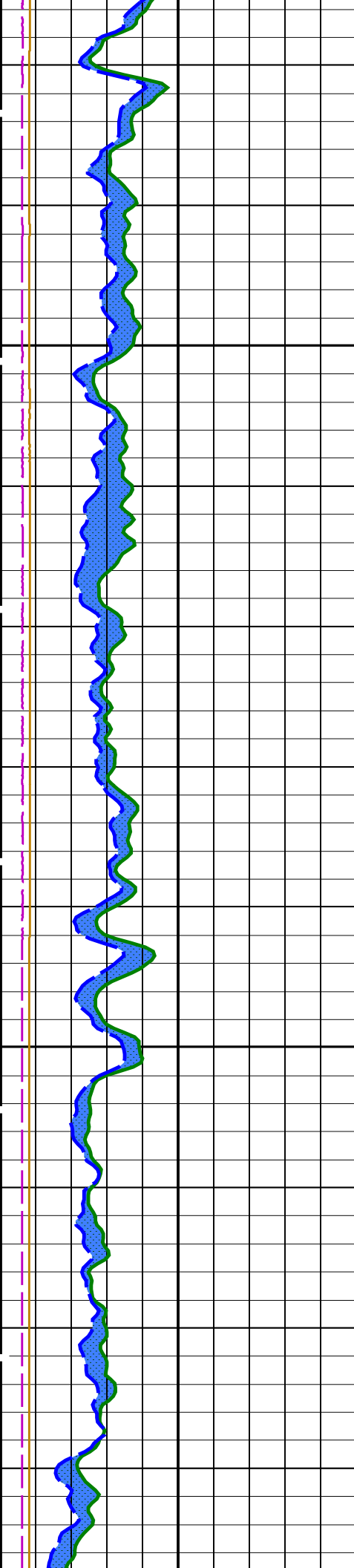


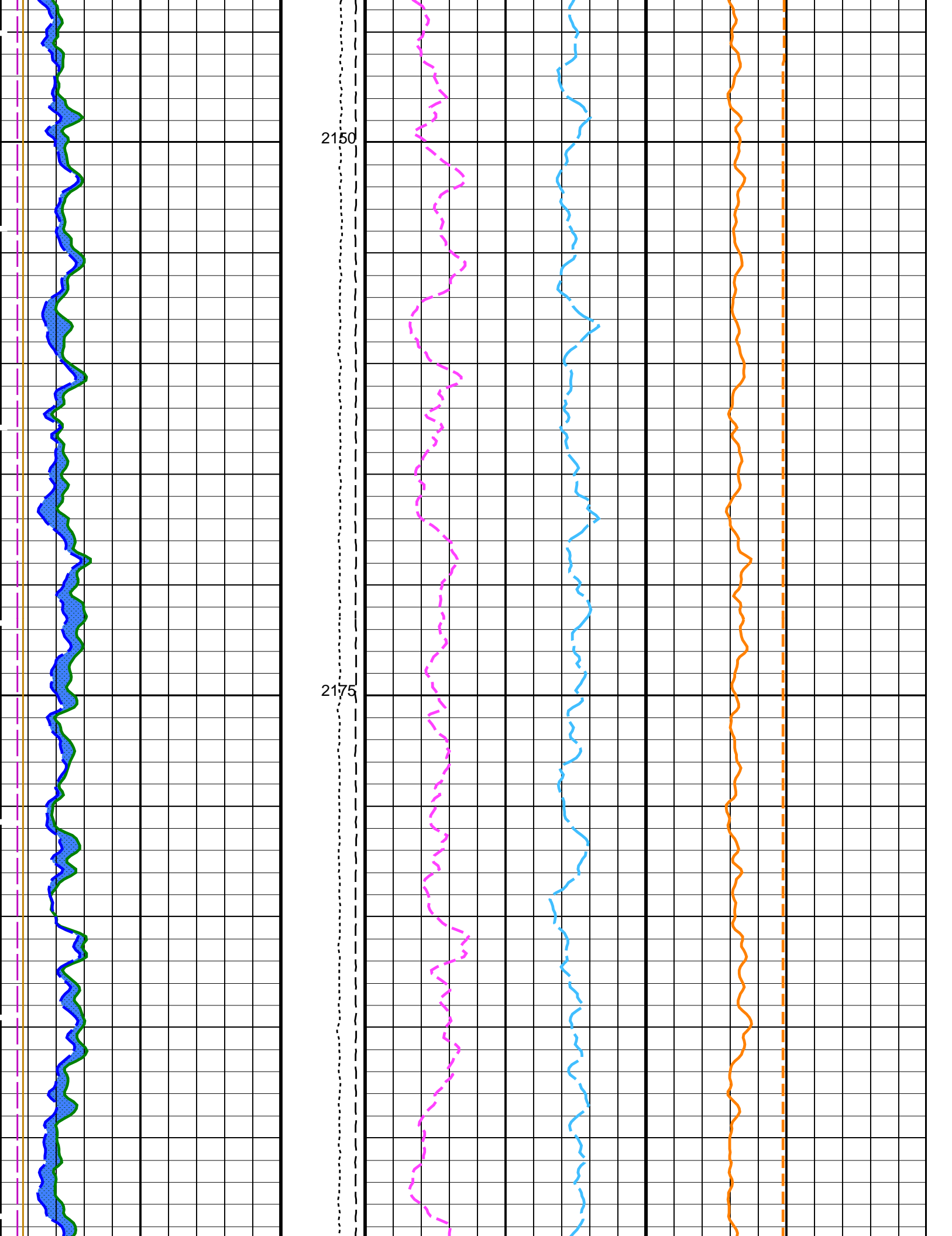


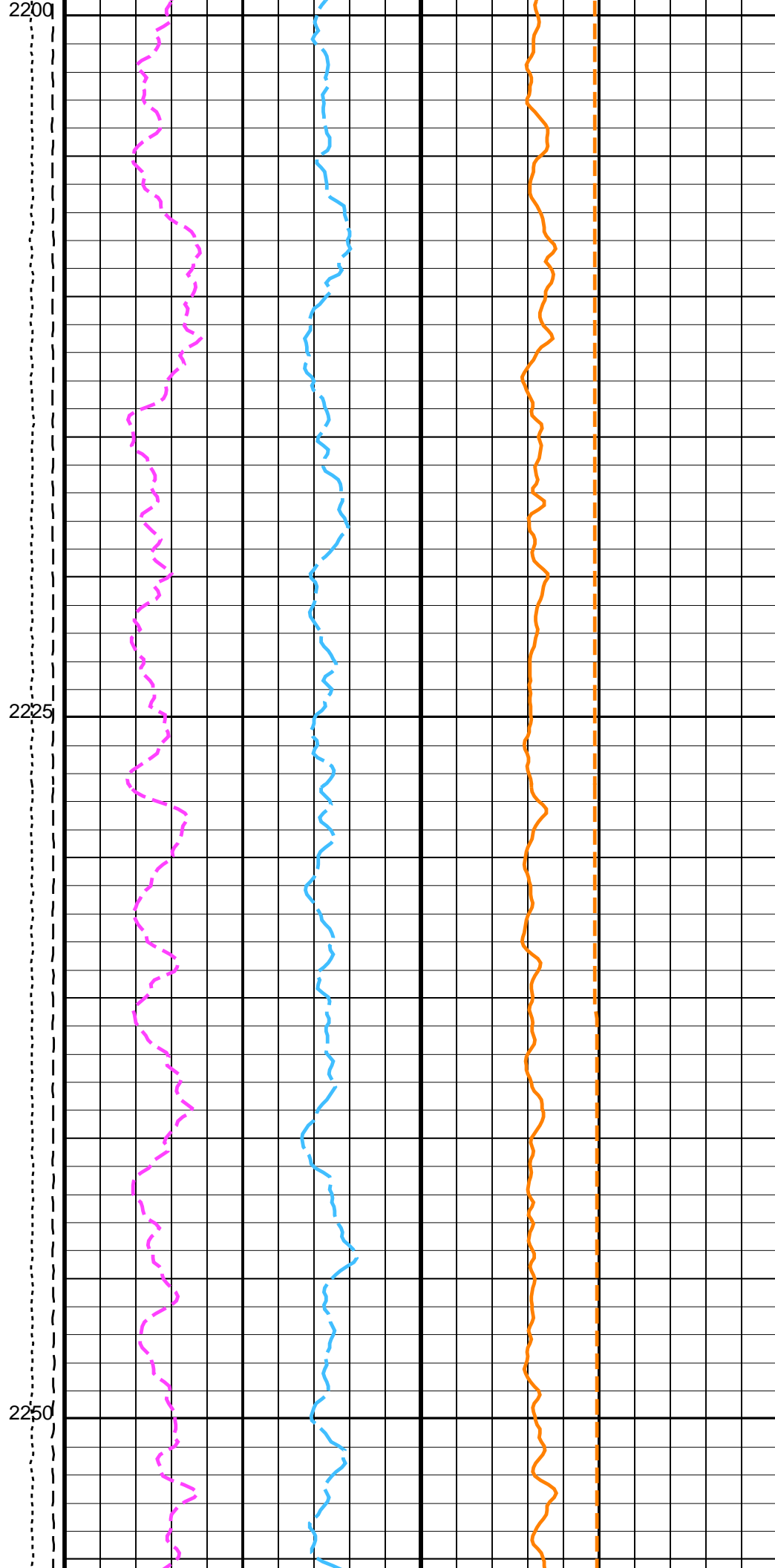
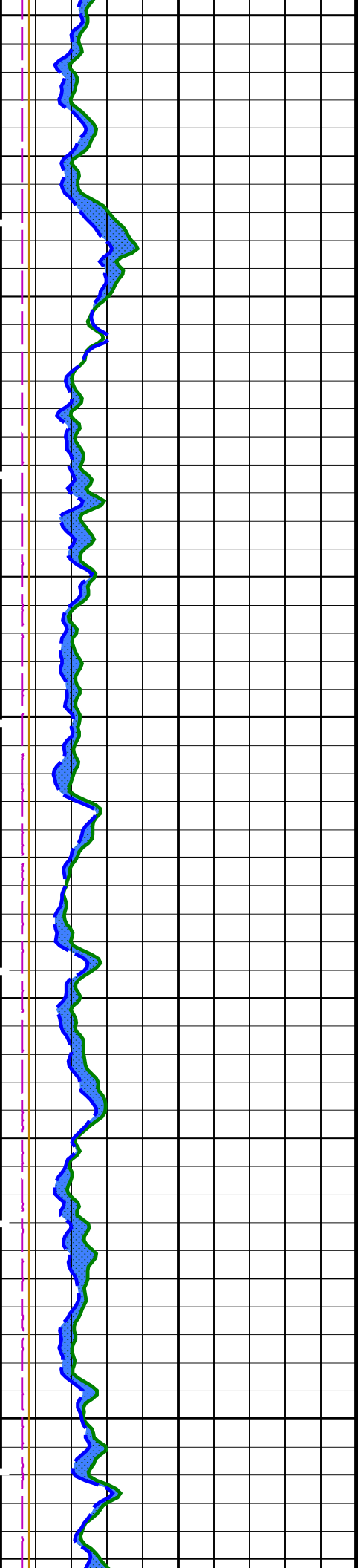


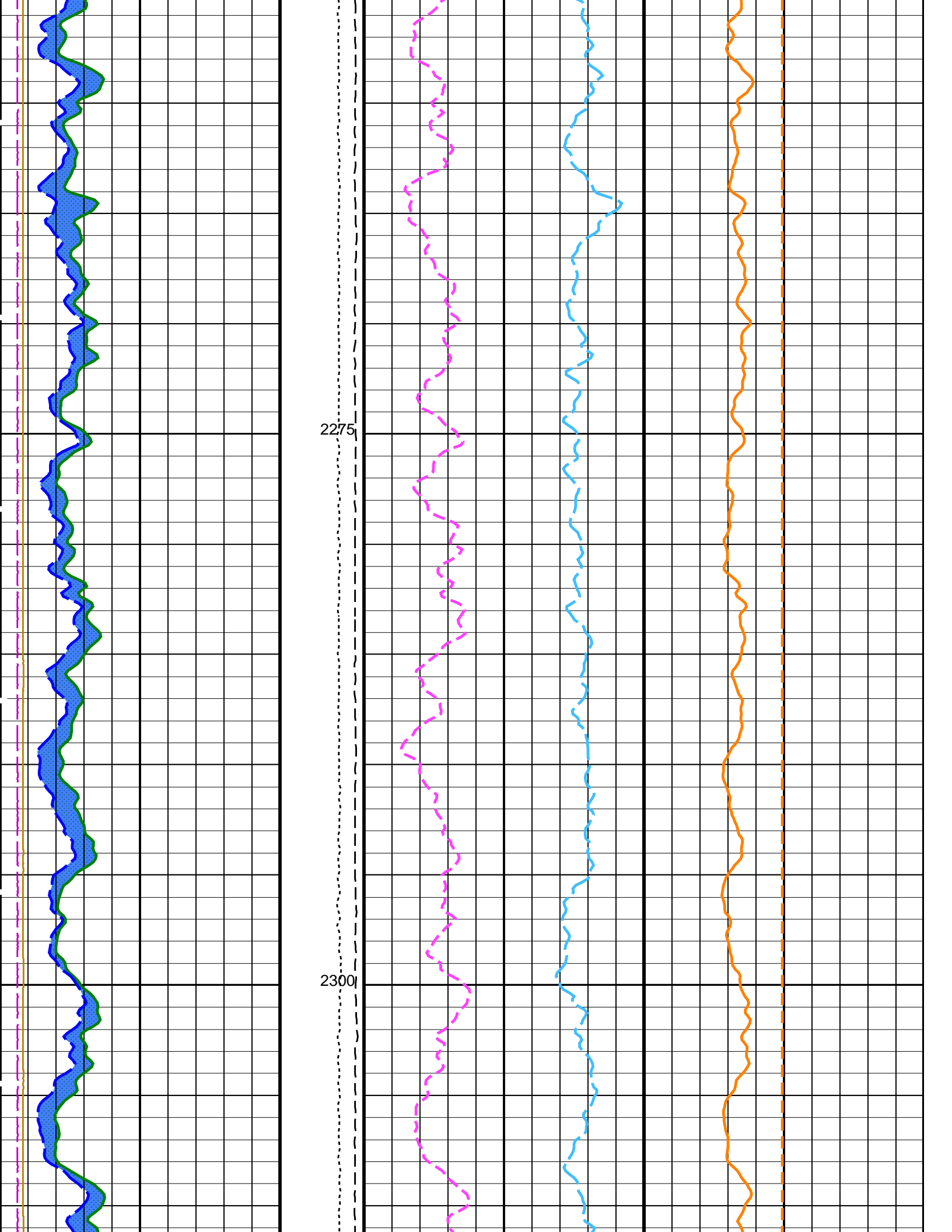


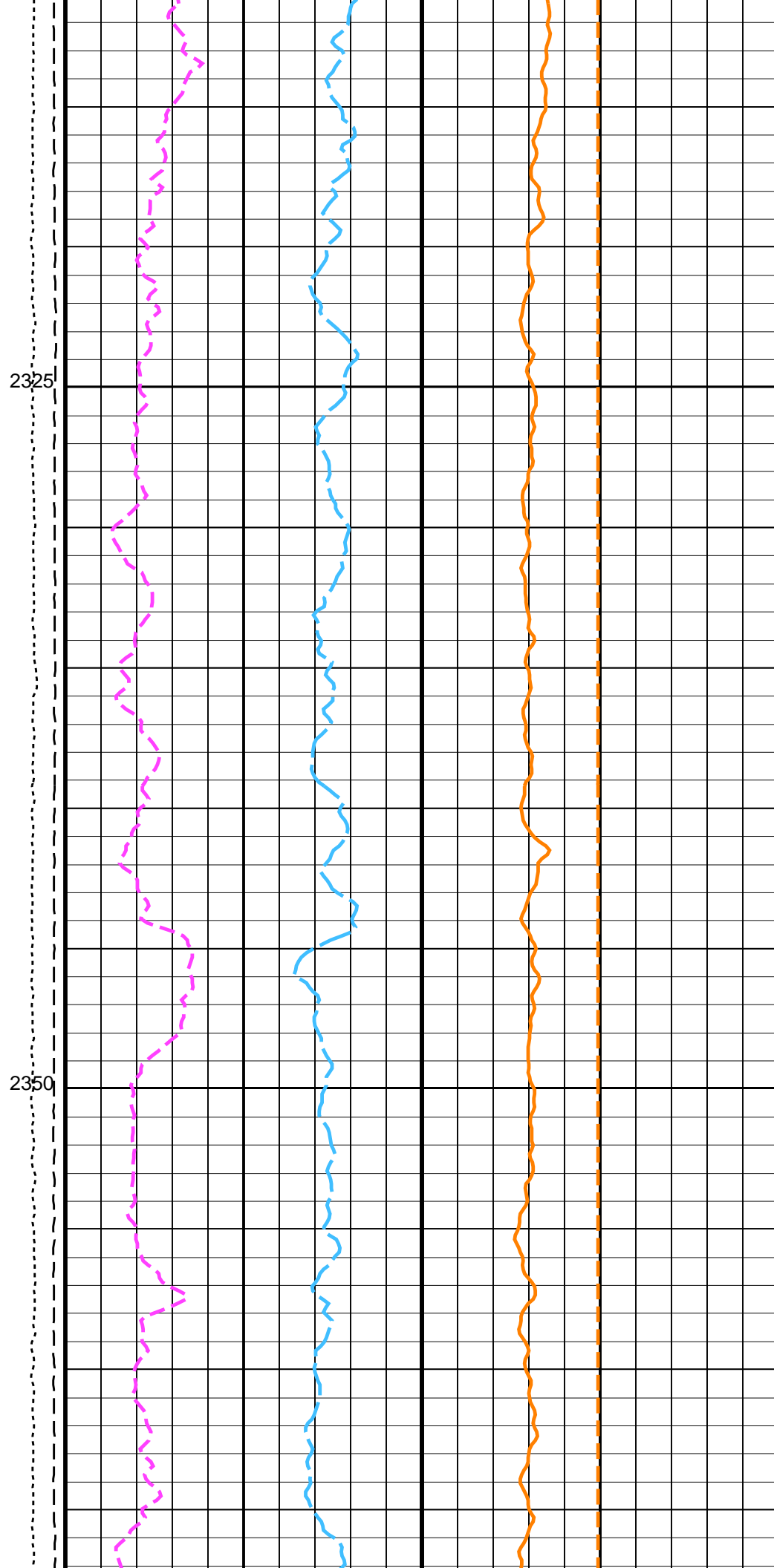
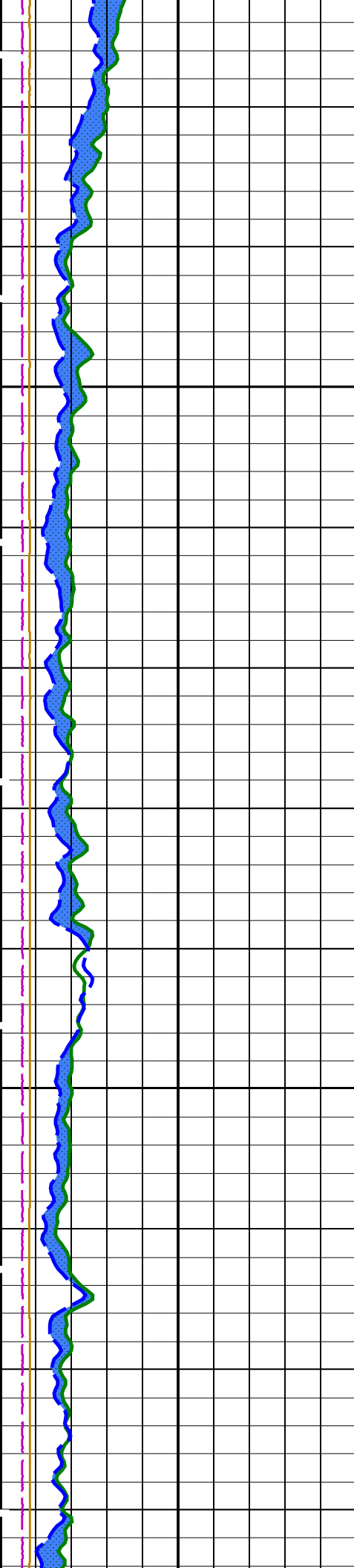


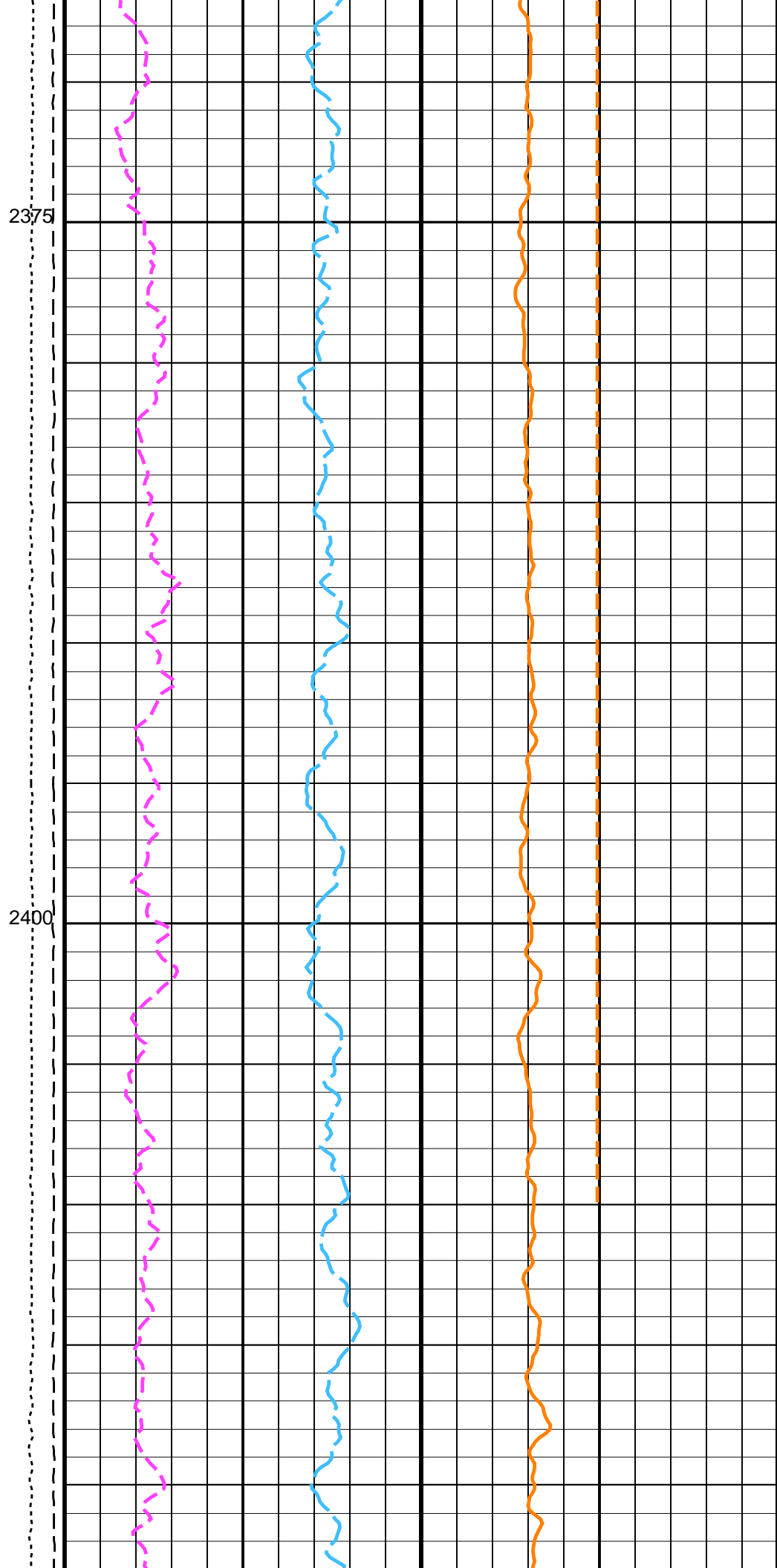
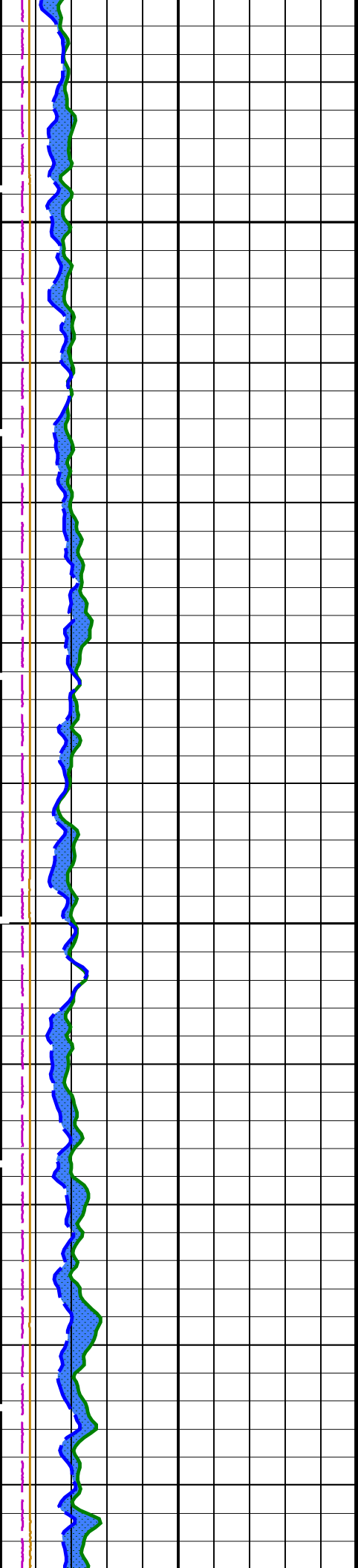


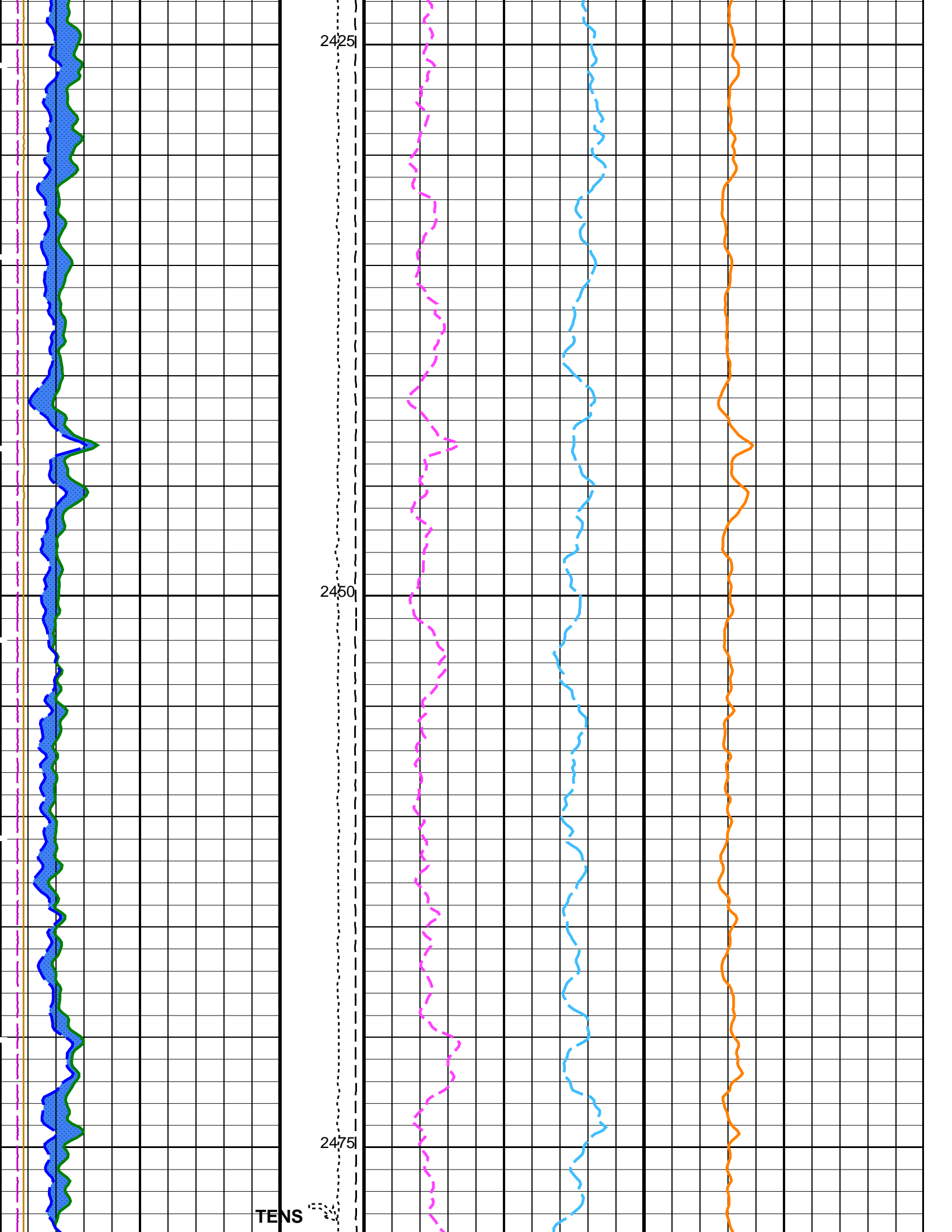


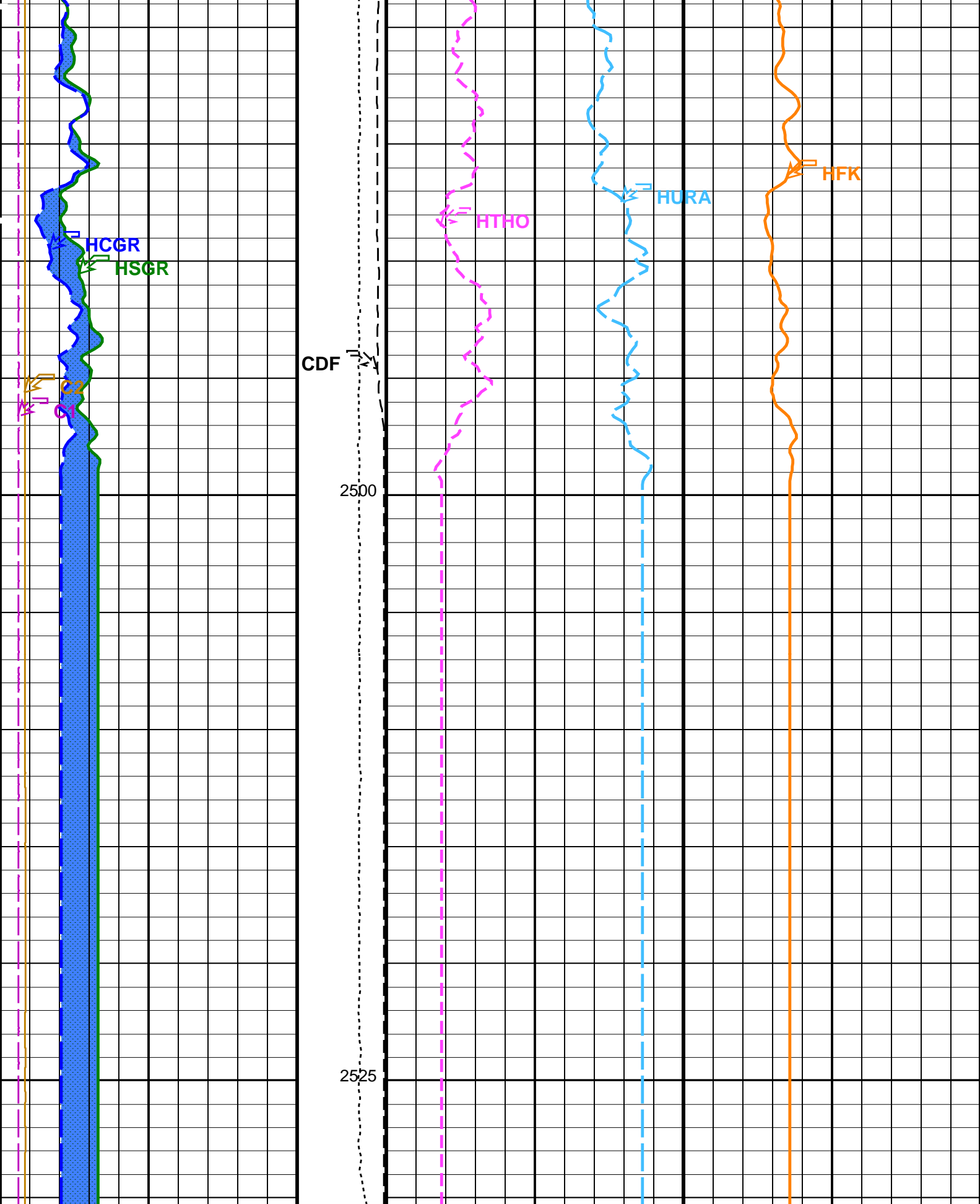












Caliper 1 (C1) (IN)	Tension (TENS) (LBF)	HNGS Thorium (HTHO) (PPM)	HNGS Potassium (HFK) (----)
0 20	10000 0	-1 14	-0.01 0.04

Calibrated

Caliper 2 (C2) 0 (IN) 20		Downhole Force (CDF) (LBF) 10000 0	HNGS Uranium (HURA) -5 (PPM) 10	
HNGS Computed Gamma Ray (HCGR) 0 (GAPI) 100		Flipped Downlog	HNGS Borehole Potassium (HBHK) -0.05 (----) 0.05	
Area1 From HCGR to HSGR				
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 100				

PIP SUMMARY				
Time Mark Every 60 S				

Parameters				
DLIS Name	Description			Value
	DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status			OPEN
GCSE	Generalized Caliper Selection			BS
	HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant			1
BAR2	HNGS Detector 2 Barite Constant			1
BHK	HNGS Borehole Potassium Correction Concentration			0
BHS	Borehole Status			OPEN
CSD1	Inner Casing Outer Diameter			0 IN
CSD2	Outer Casing Outer Diameter			0 IN
CSW1	Inner Casing Weight			0 LB/F
CSW2	Outer Casing Weight			0 LB/F
DBCC	HNGS Barite Constant Correction Flag			NONE
GCSE	Generalized Caliper Selection			BS
H1P	HNGS Detector 1 Allow/Disallow In Processing			ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing			ALLOW
HABK	HNGS Borehole Potassium Running Average			-0.001288
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			CENT
VBA1	HNGS Detector 1 Variable Barite Factor Running Average			0.930596
VBA2	HNGS Detector 2 Variable Barite Factor Running Average			0.941936
	System and Miscellaneous			
BS	Bit Size			11.438 IN
DFD	Drilling Fluid Density			1.26 G/C3
DO	Depth Offset for Playback			0.0 M
PP	Playback Processing			RECOMPUTE

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 28-Jun-2021 22:01
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OP System Version: 19C0-187				
MEST-B	19C0-187	DTA-A	19C0-187	
DSST-B	19C0-187	HNGC-B	19C0-187	
HNGS-BA	19C0-187	DTC-H	19C0-187	

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Company: International Ocean Discovery Program	Well: Expedition 395C, Site U1554E
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Input DLIS Files

Flip_FMS_DSI_NGS_022LUP FN:1 28-Jun-2021 19:08 2530.6 M 1815.1 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_028PUP FN:43 PRODUCER 28-Jun-2021 22:01 2530.3 M 1815.1 M

OP System Version: 19C0-187

MEST-B 19C0-187

DSST-B 19C0-187

HNGS-BA 19C0-187

DTA-A 19C0-187

HNGC-B 19C0-187

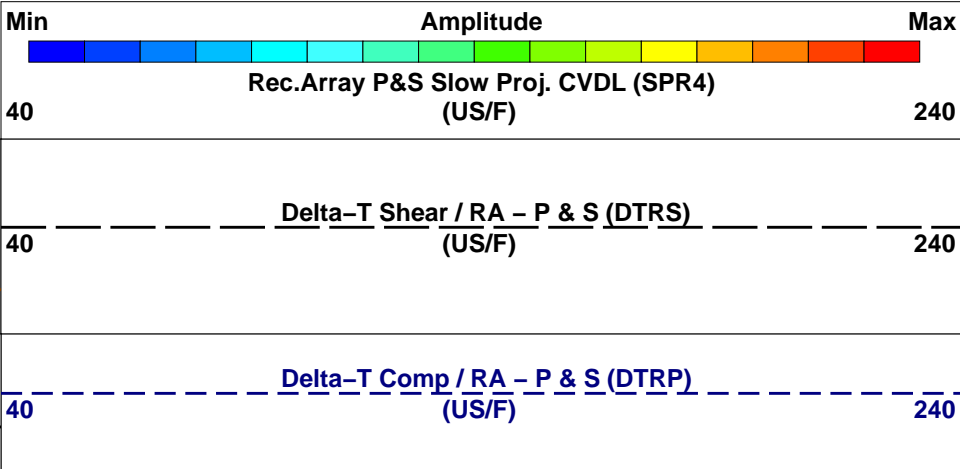
DTC-H 19C0-187

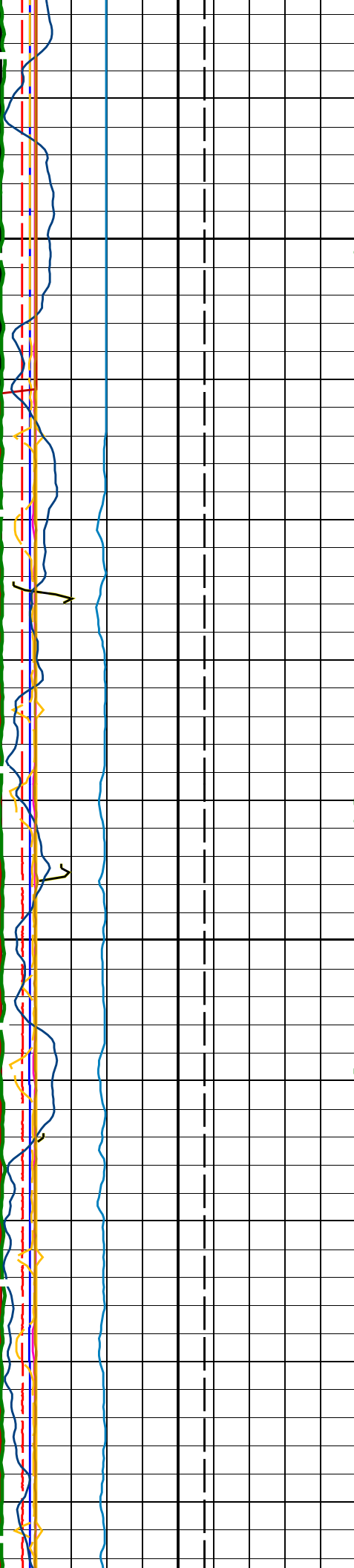
PIP SUMMARY

 Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / RA – P & S Comp (CHRP)		
0	(----)	10
Peak Coherence / TA – Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(----)	10
Poisson’s Ratio (PR)		
0	(----)	0.5
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Sonde Deviation (SDEVM)		
0	(DEG)	10
Poisson’s Ratio (PR)		
0	(----)	0.5

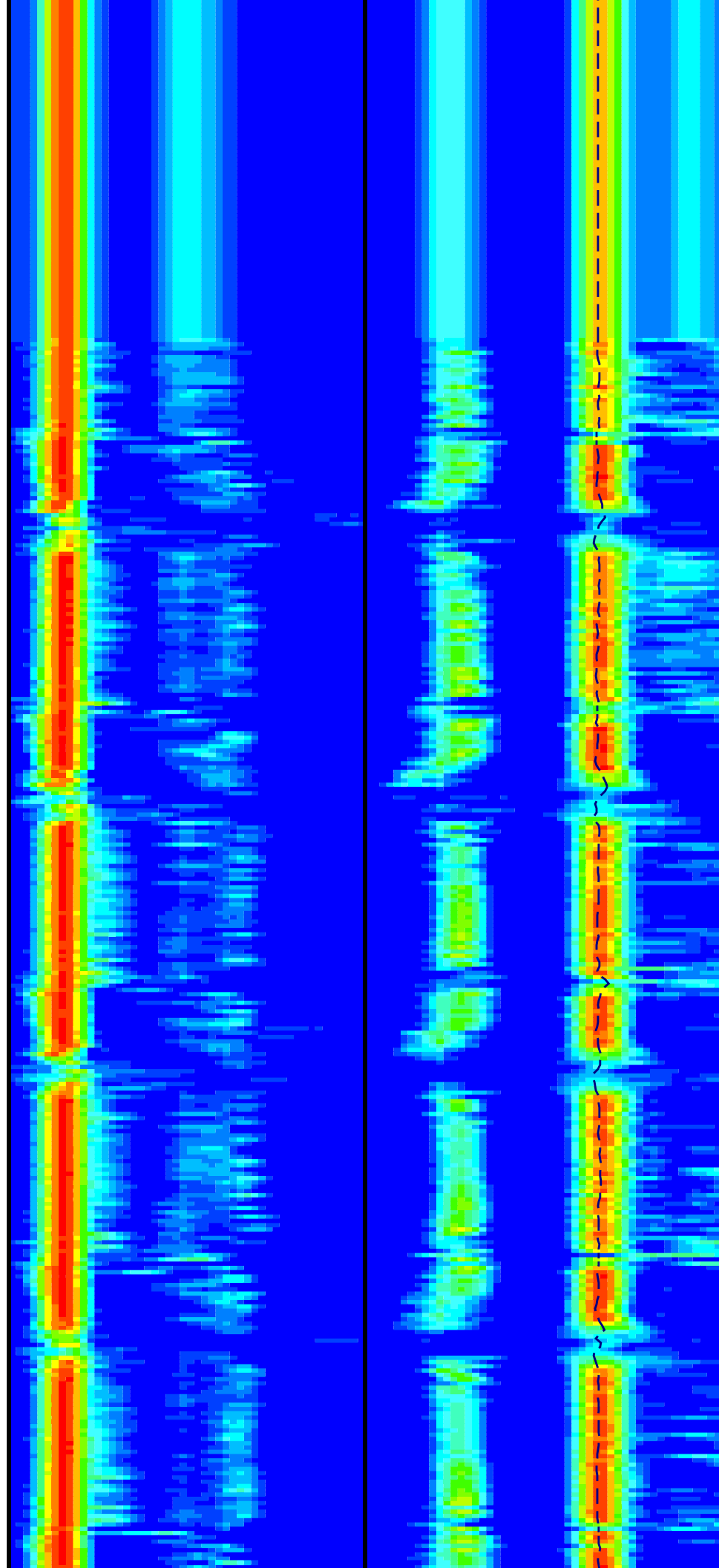
Flipped Downlog

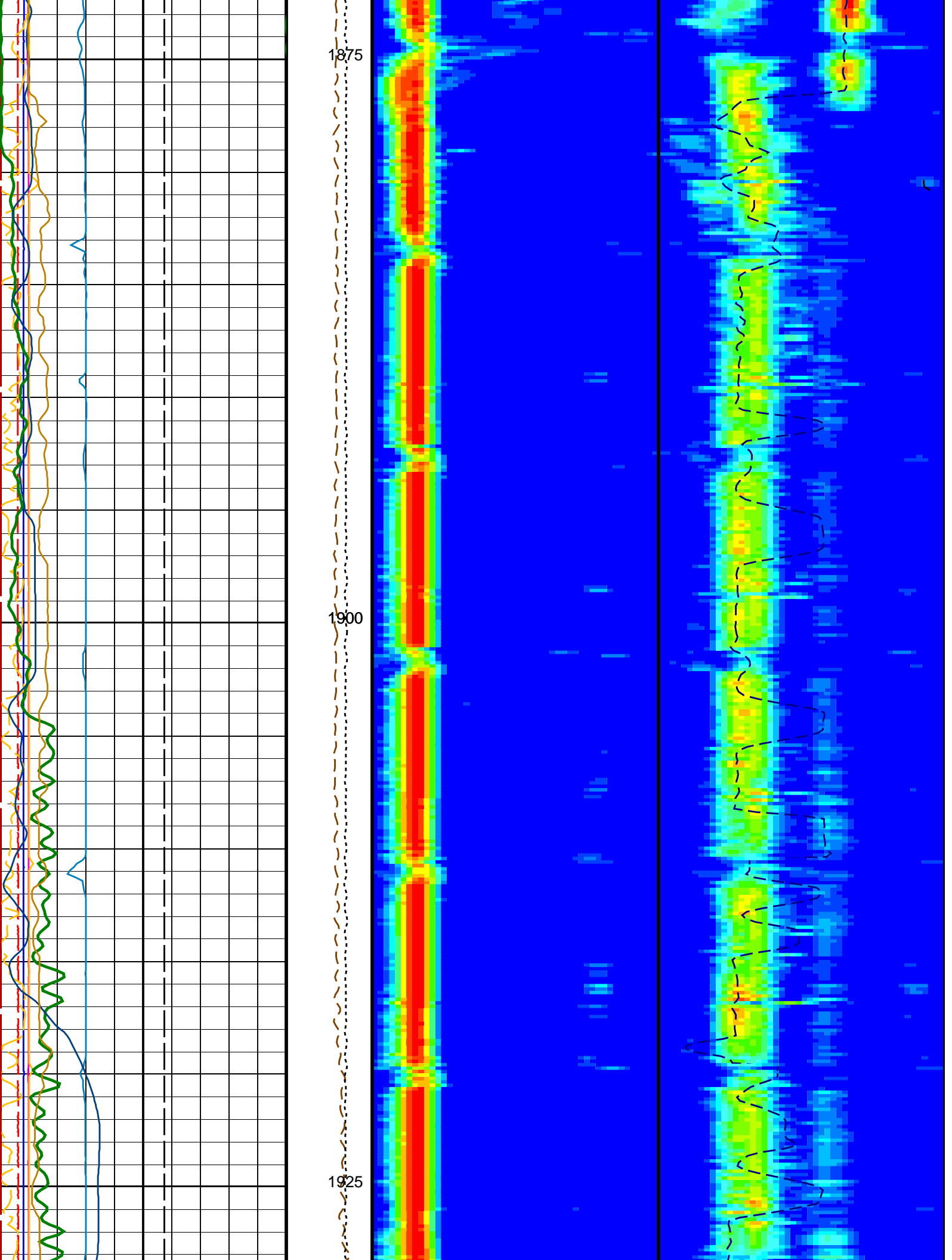


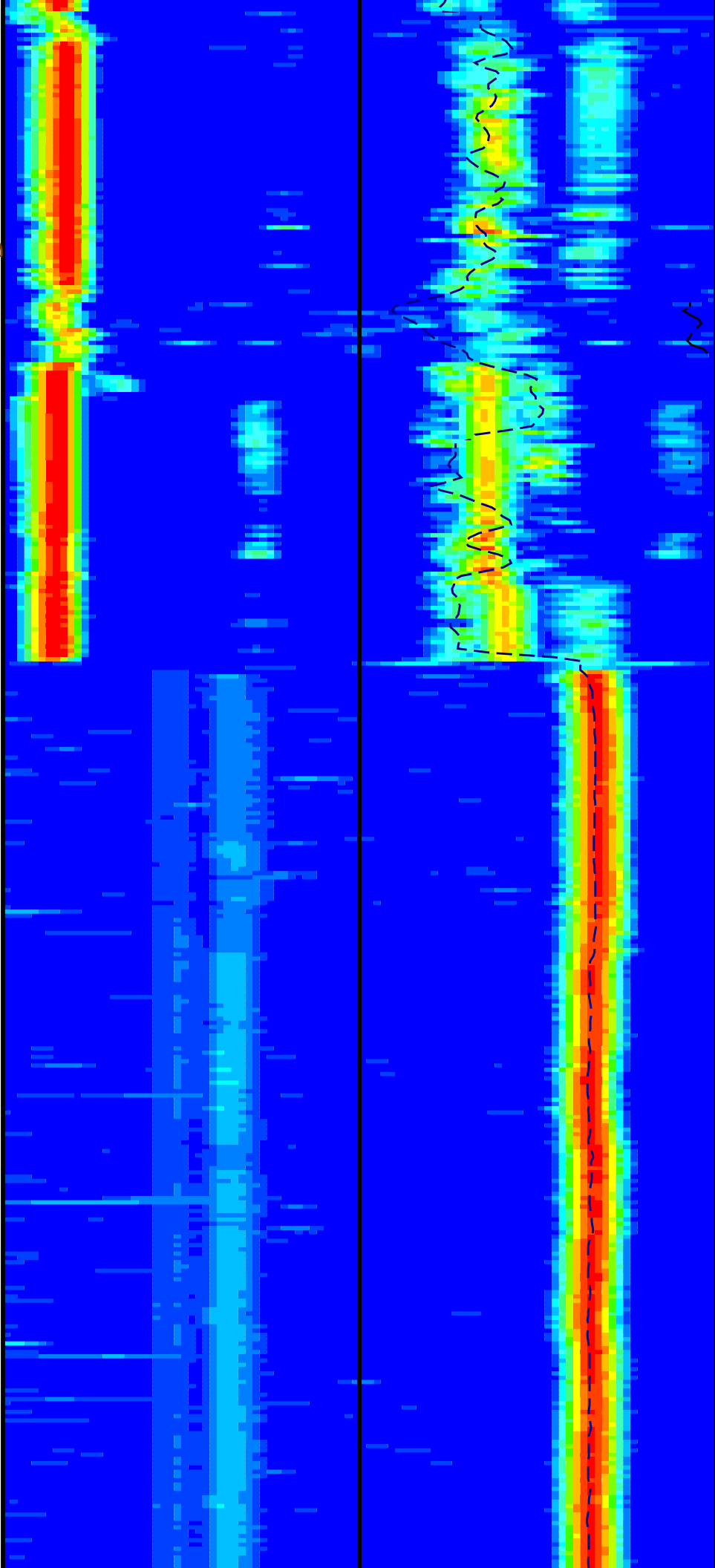
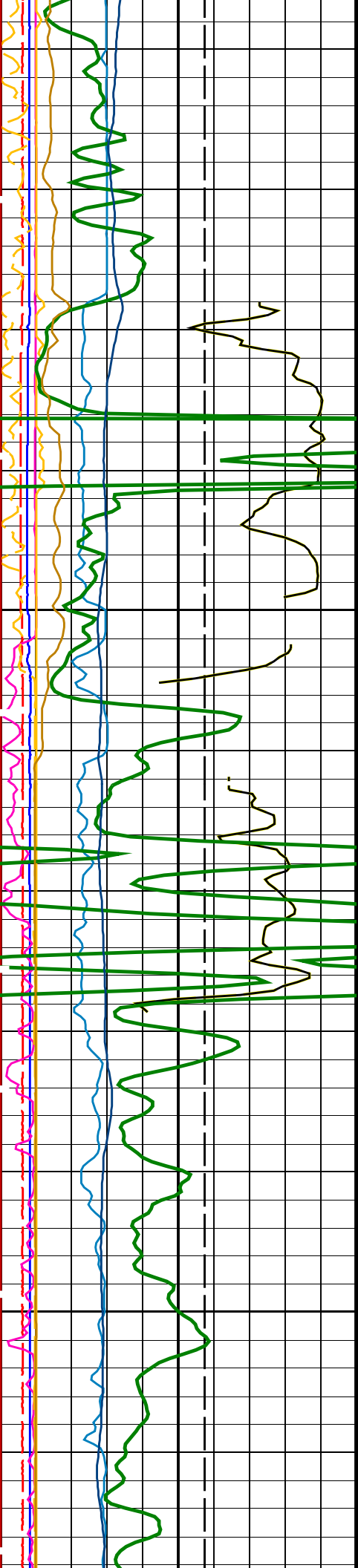


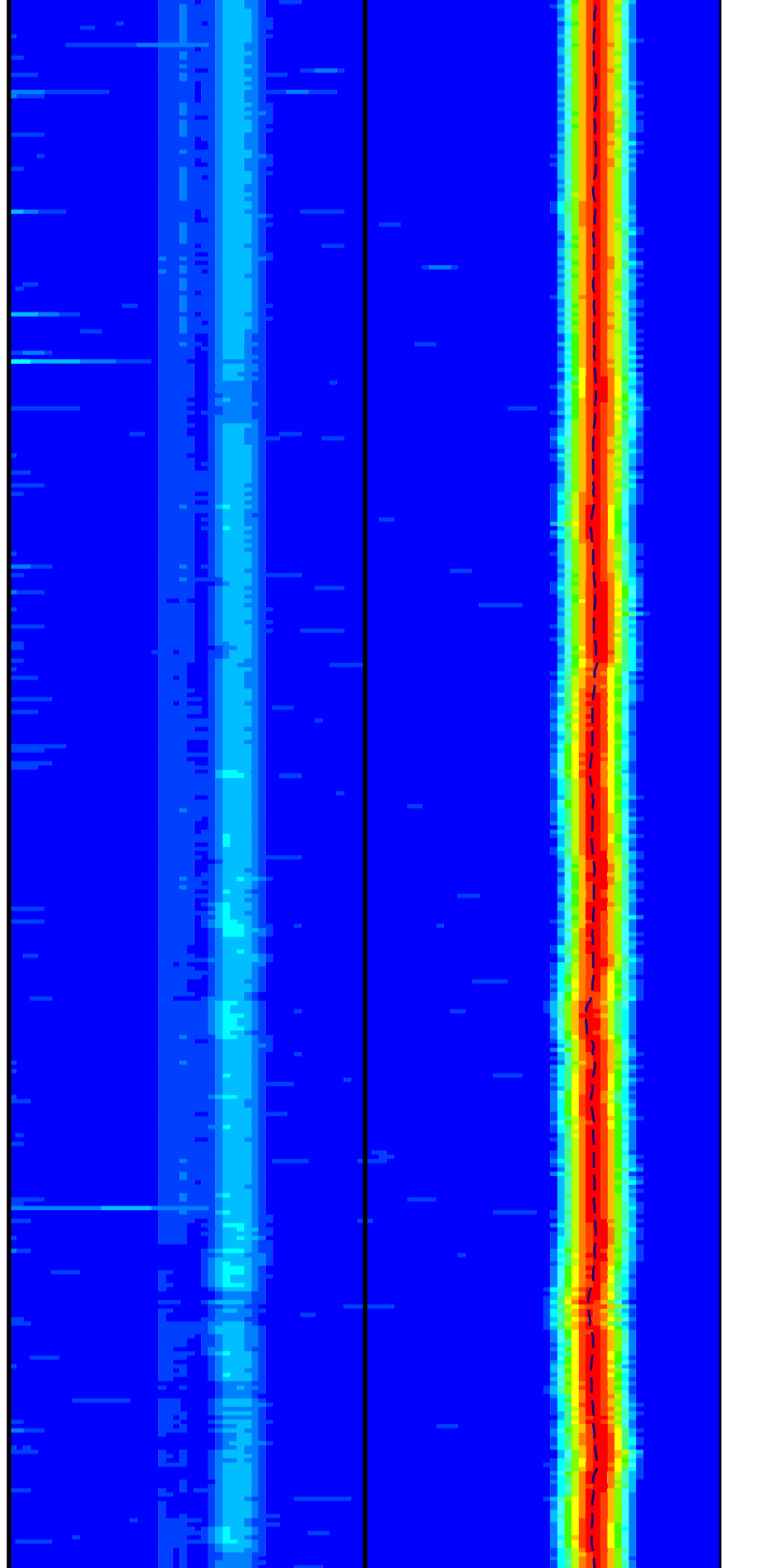
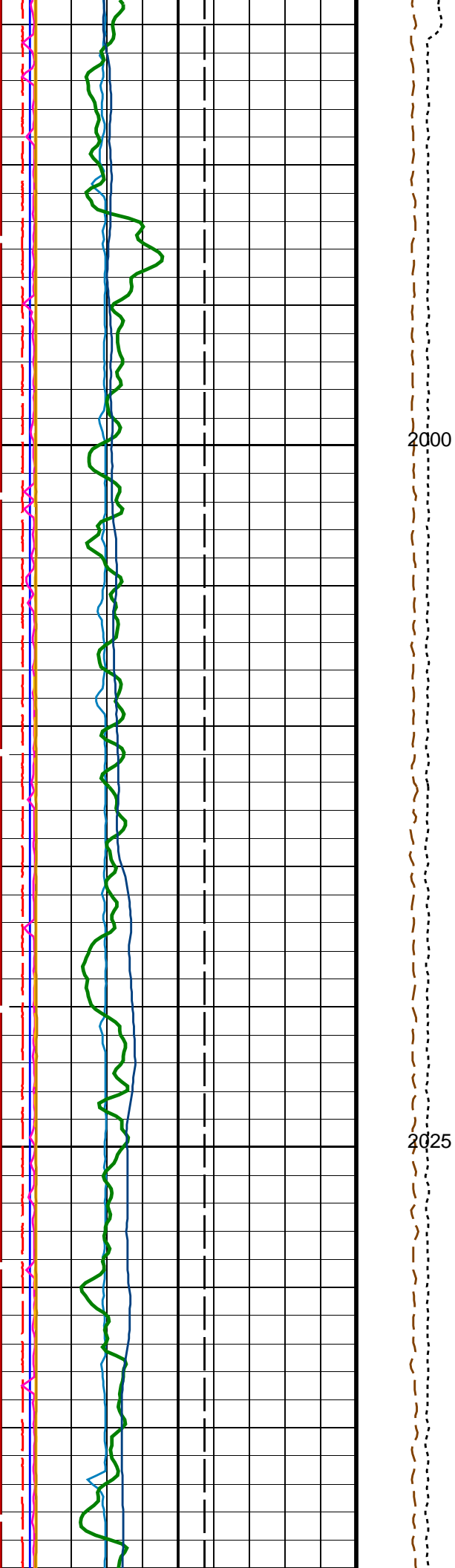
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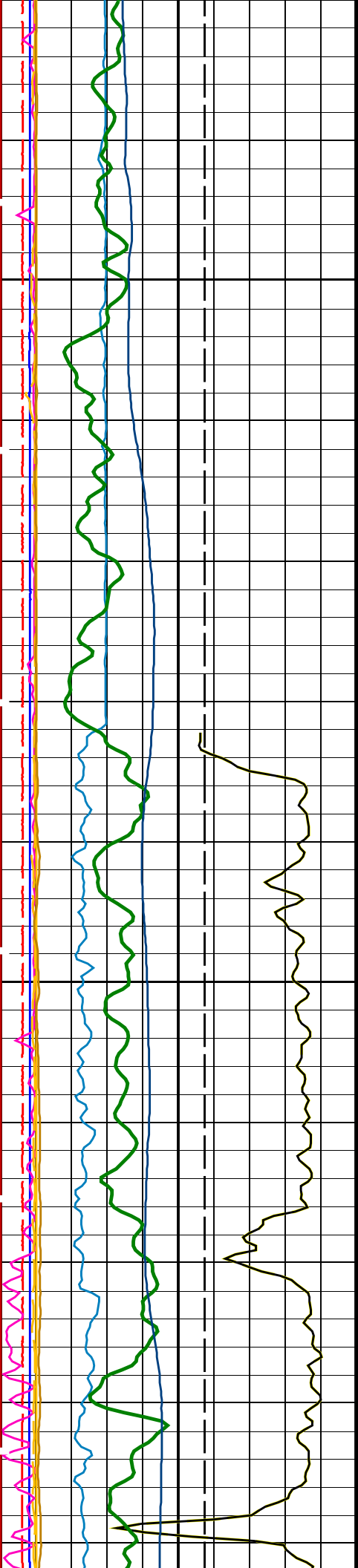
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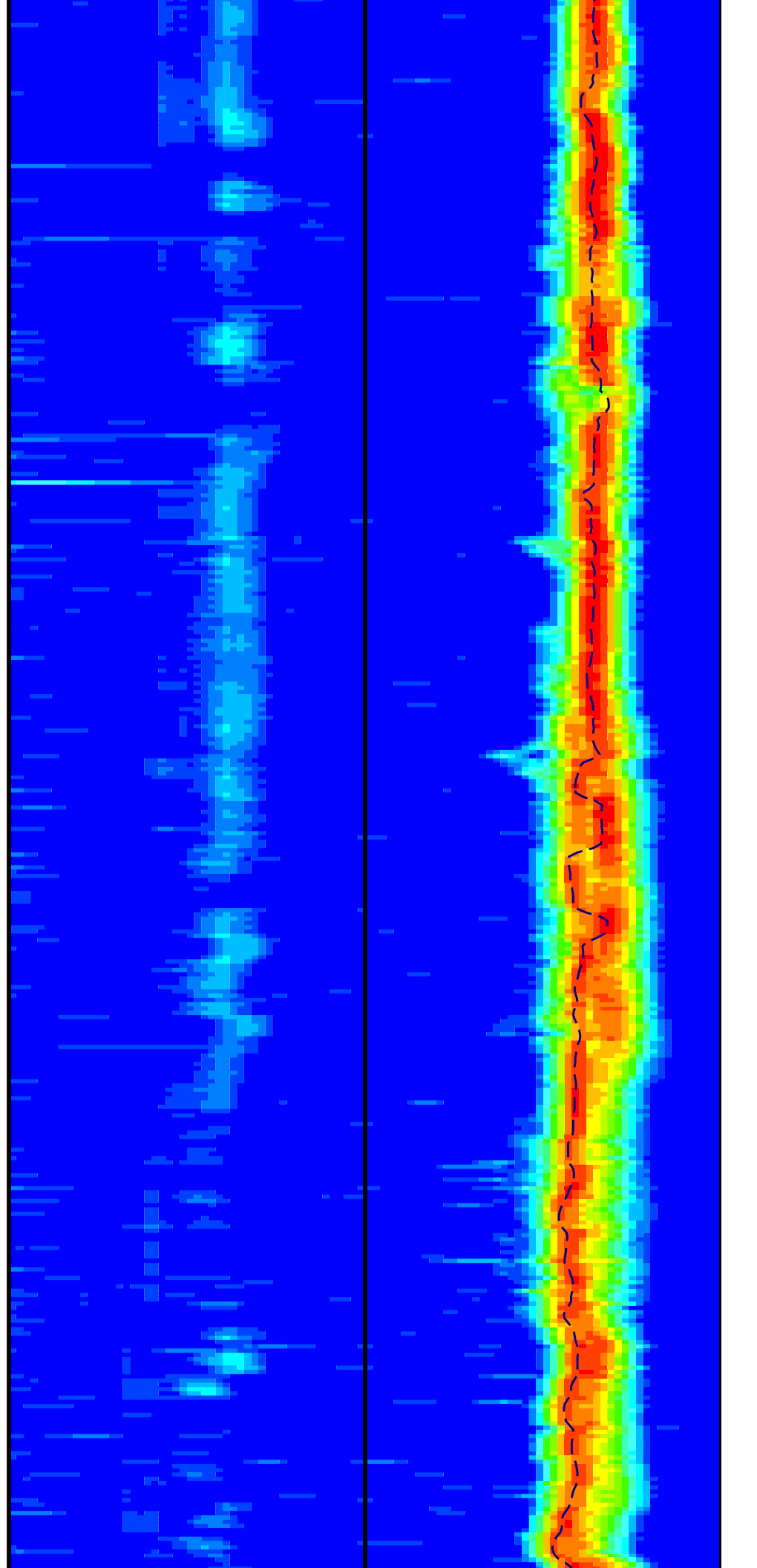


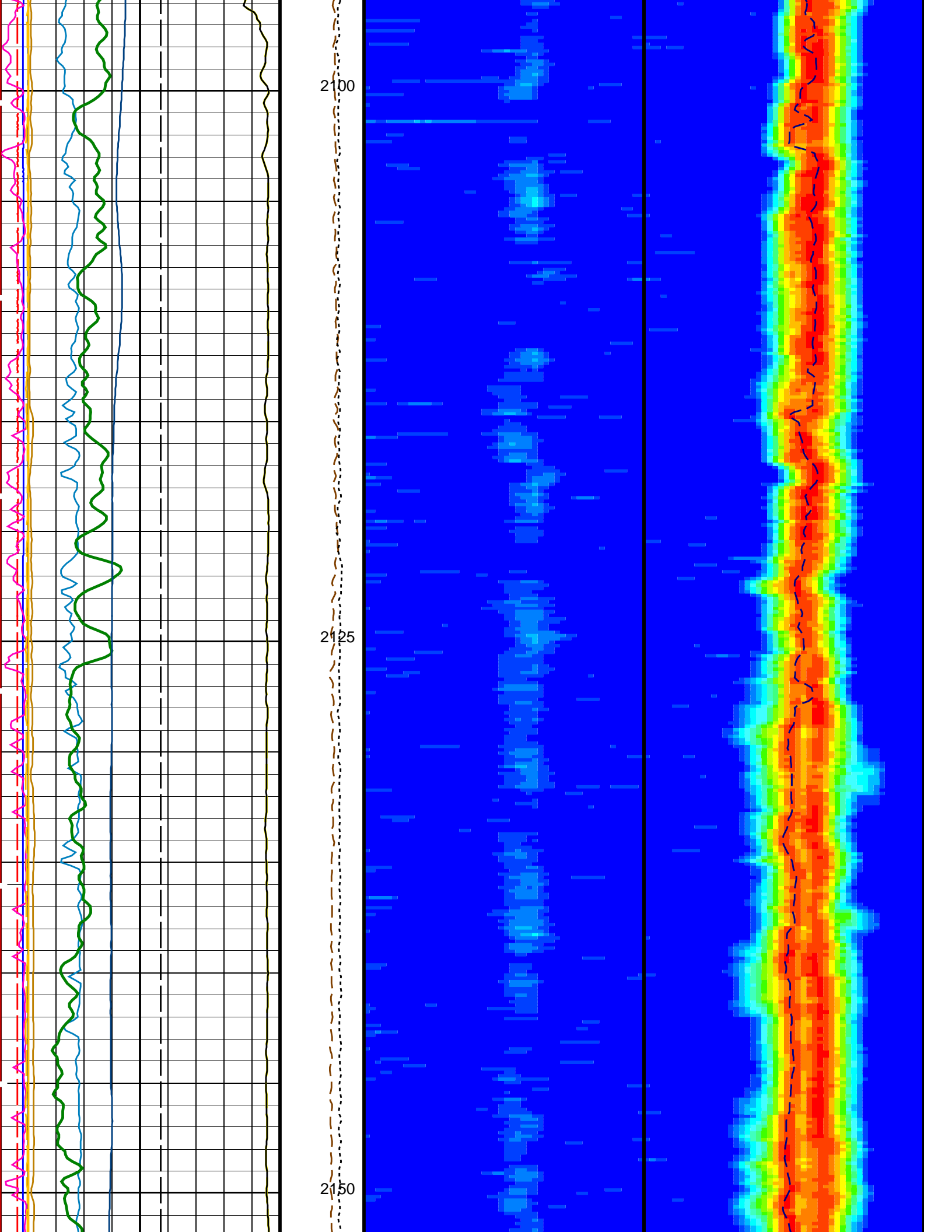


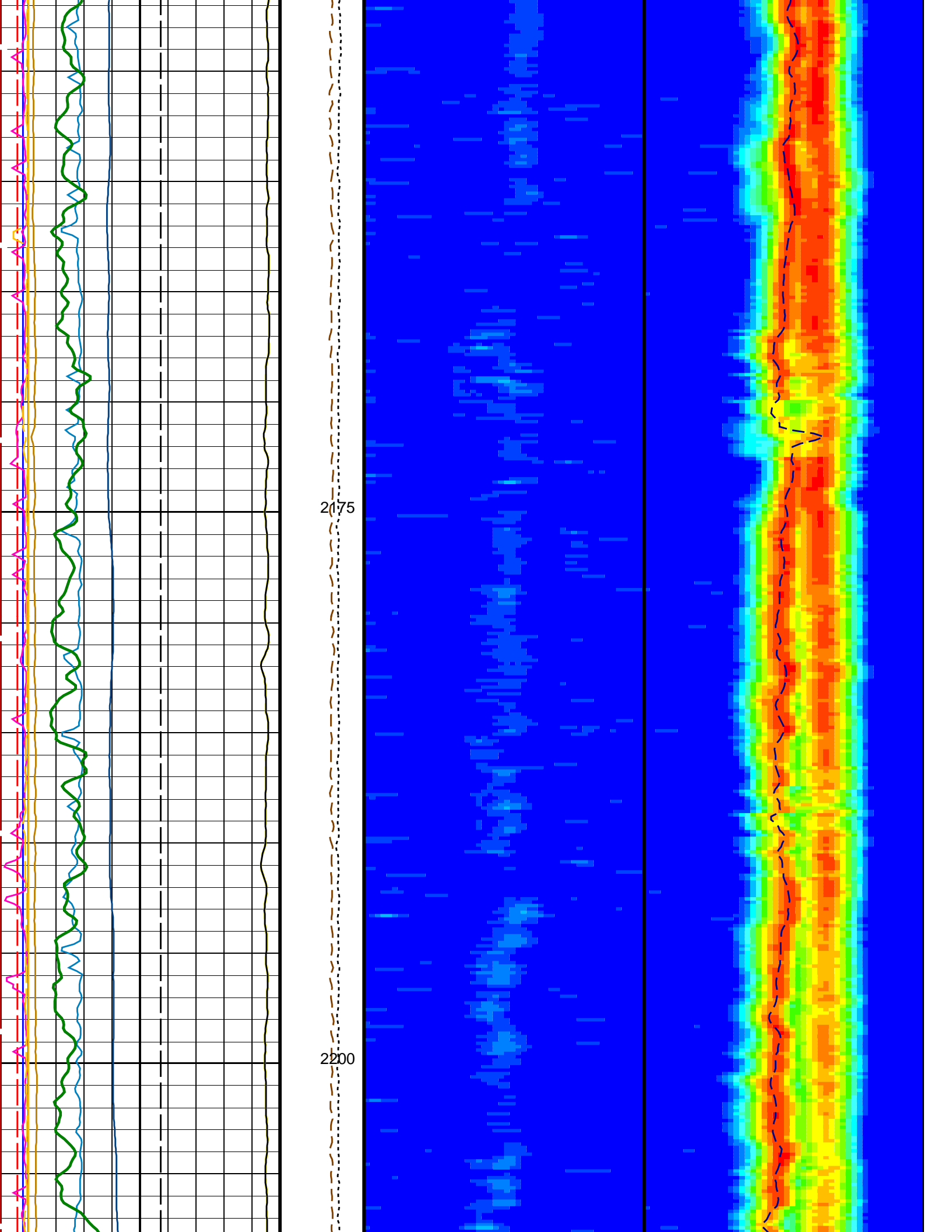


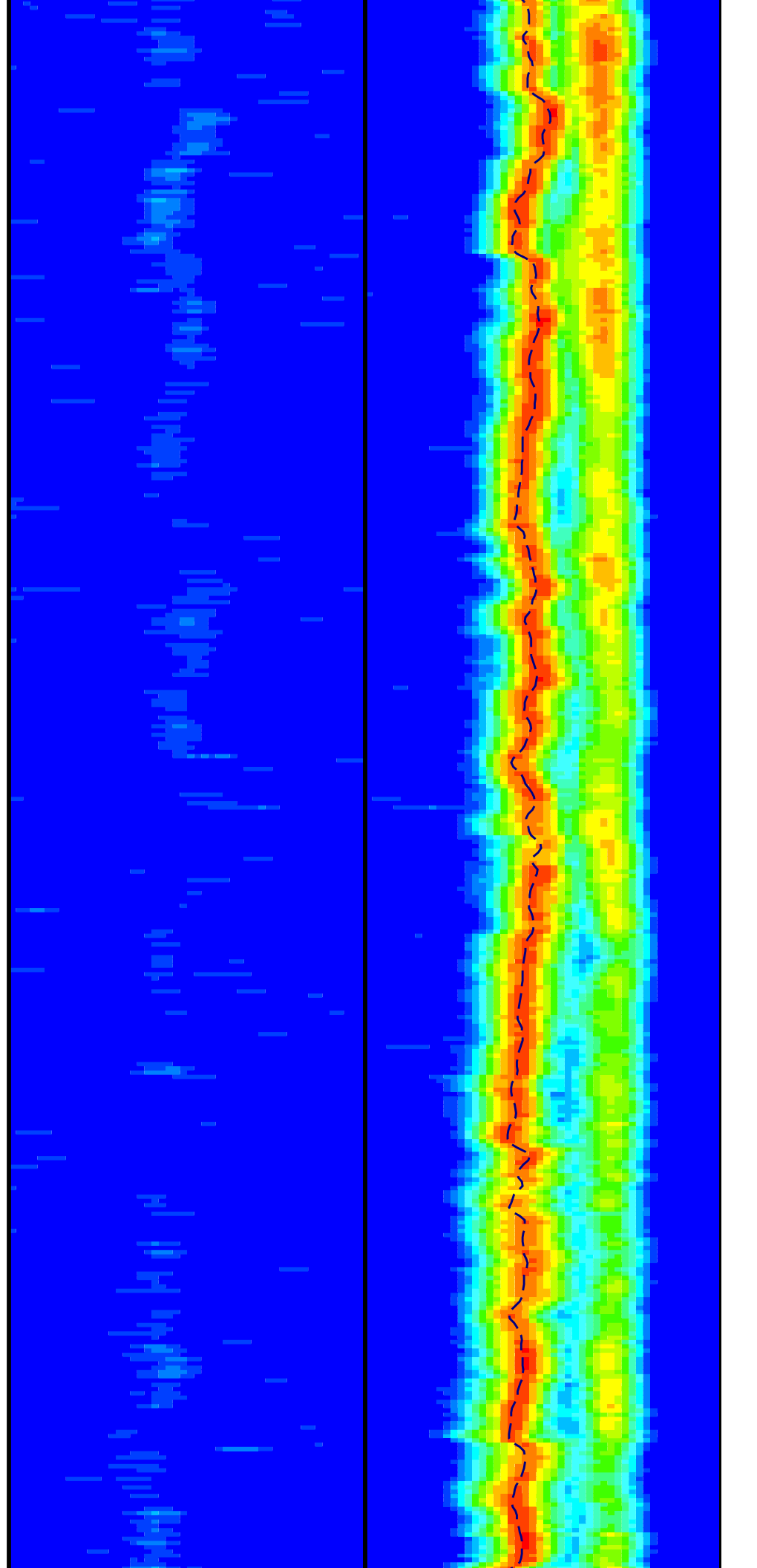
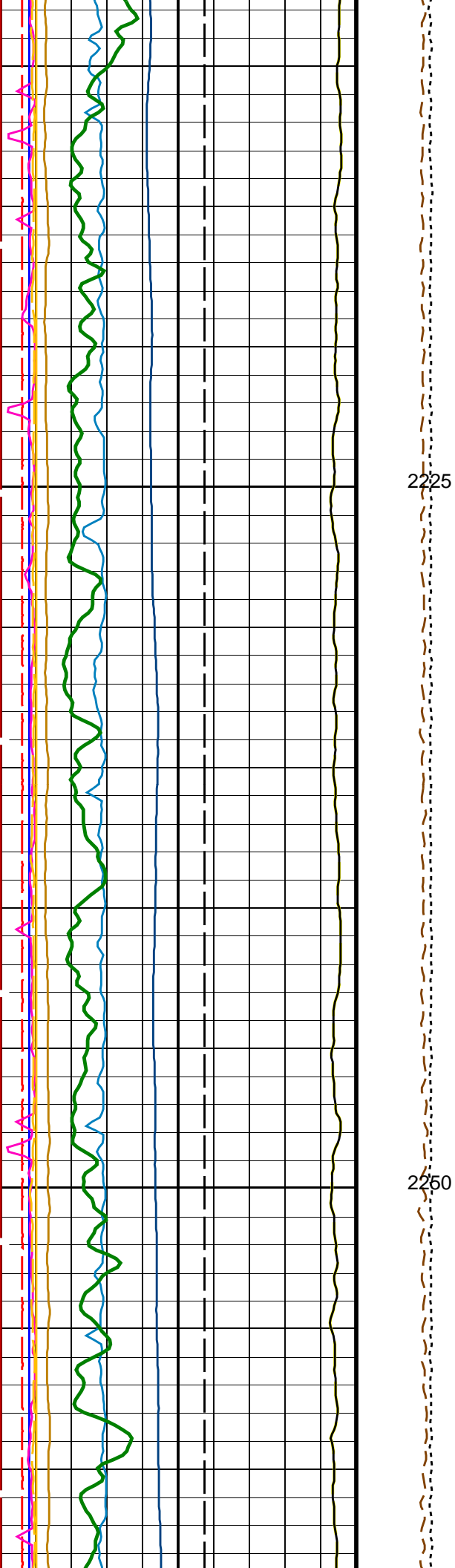
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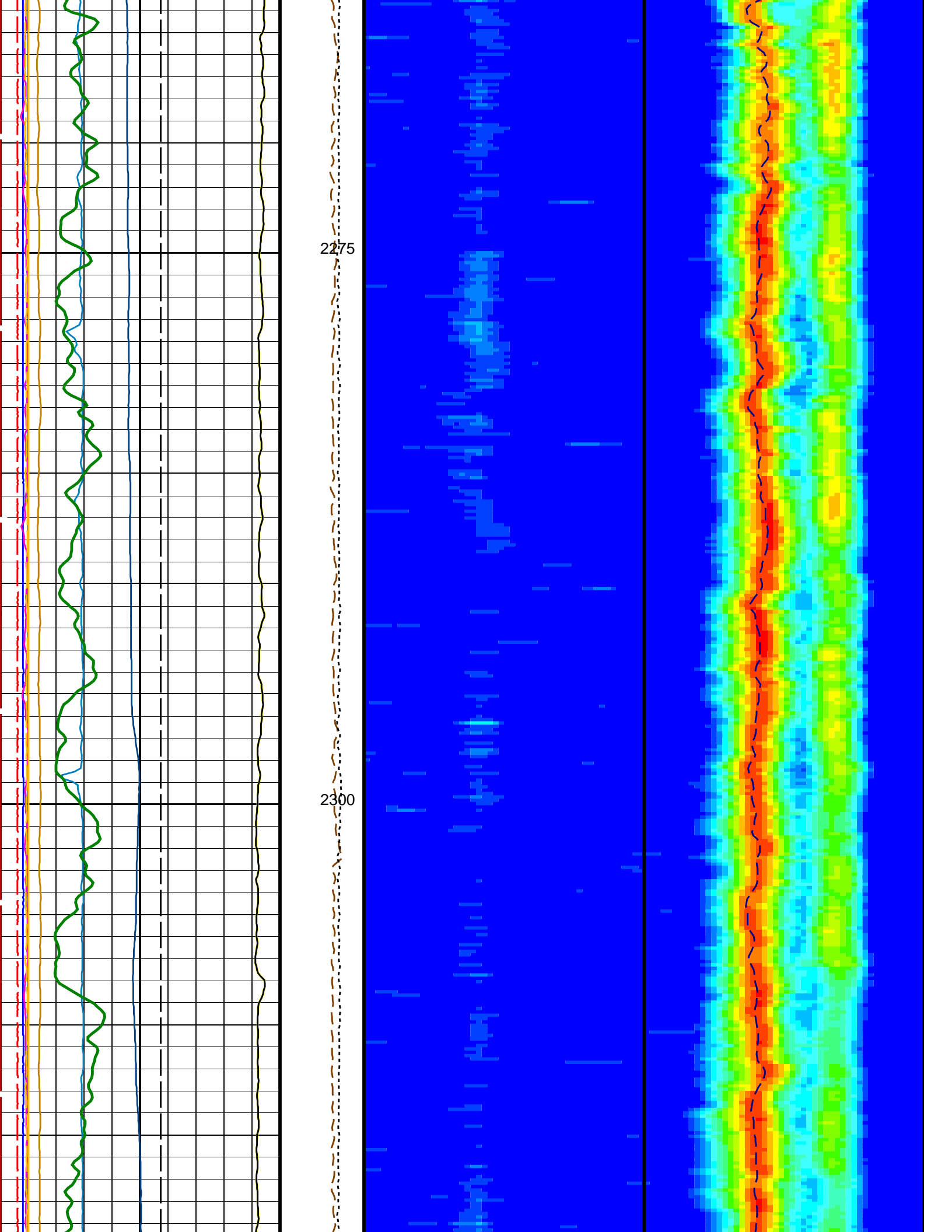
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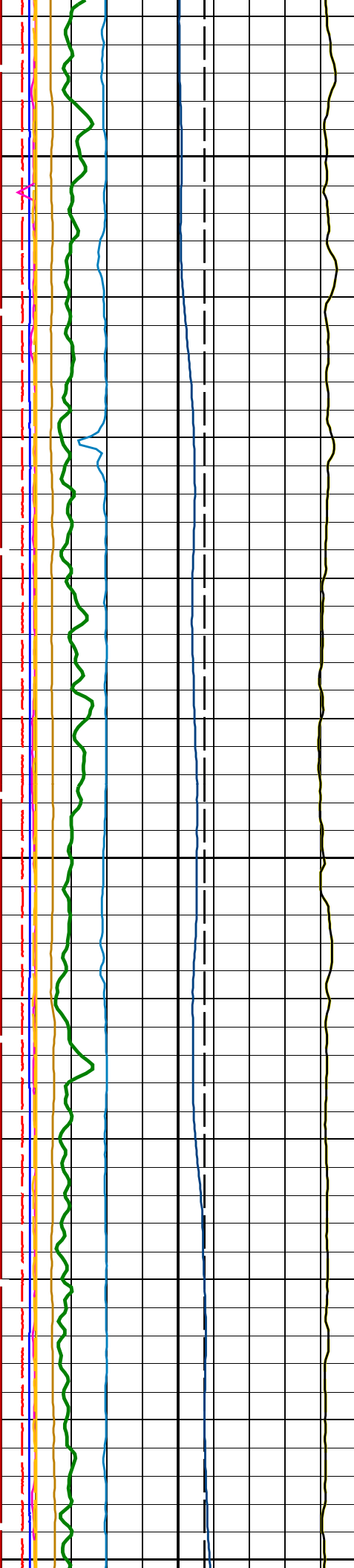








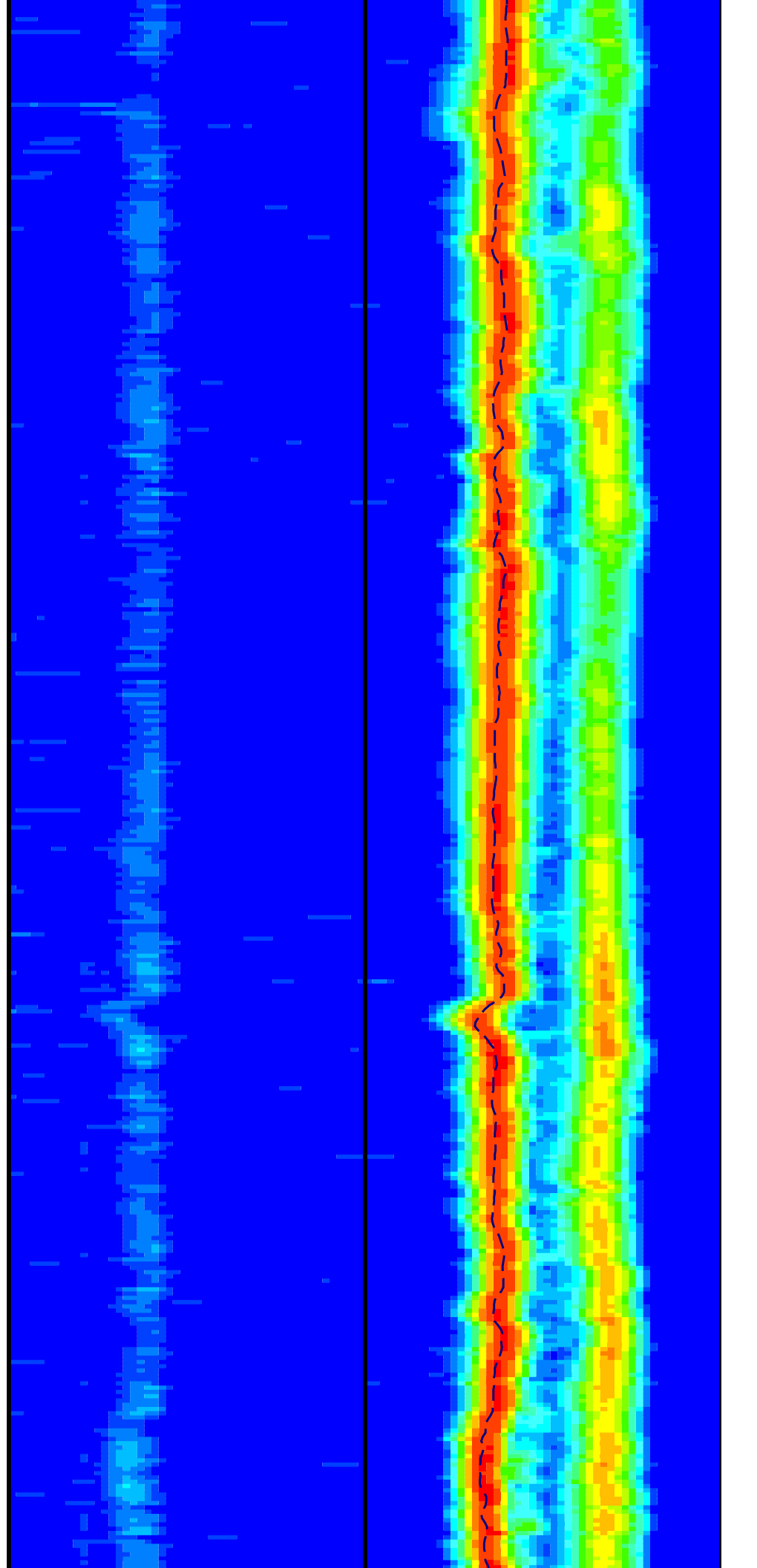


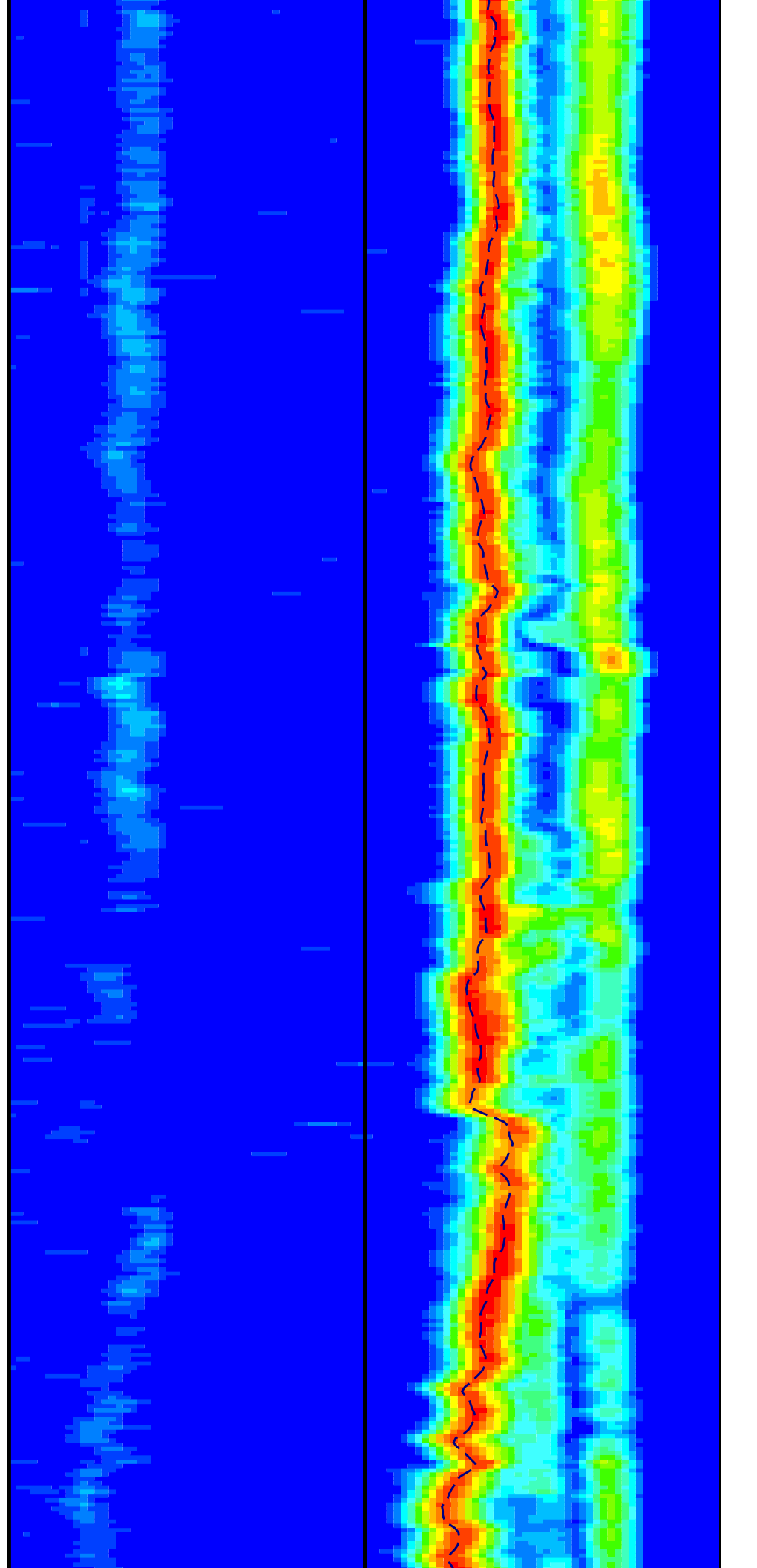
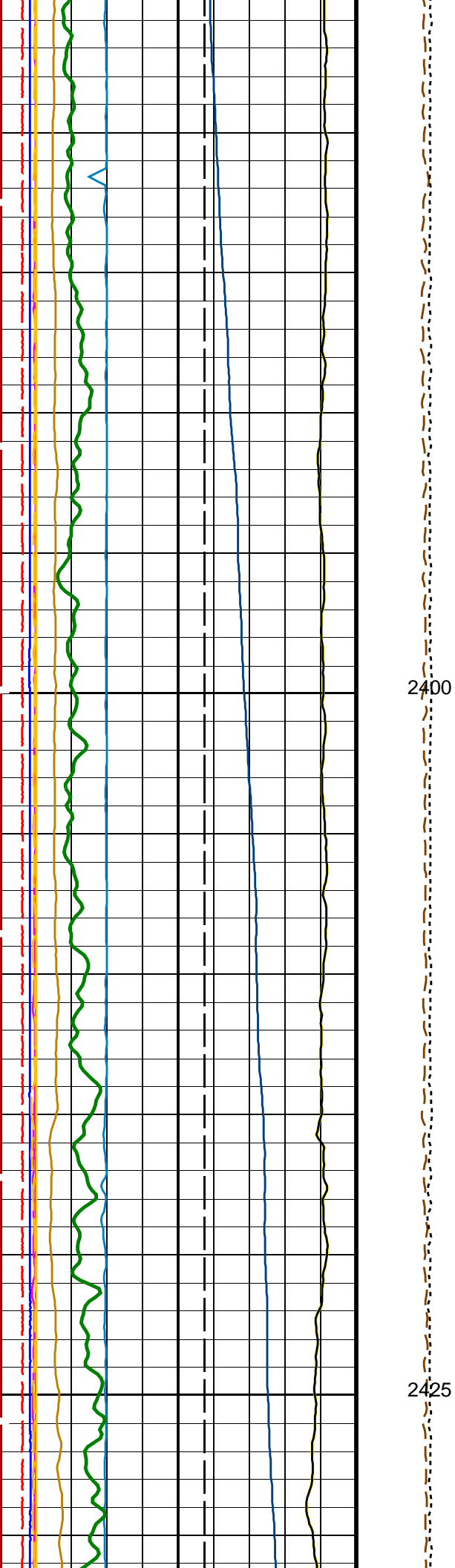


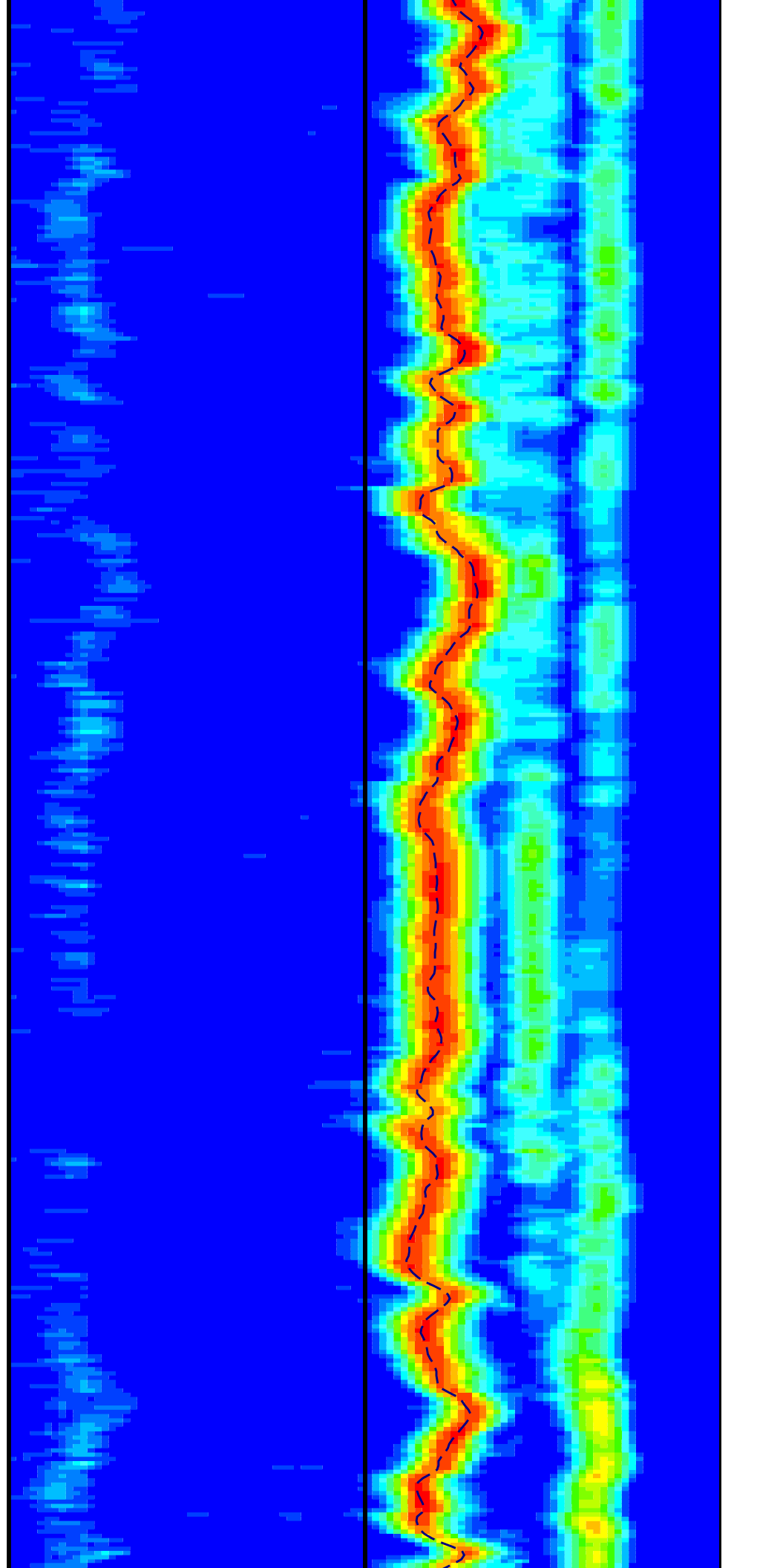
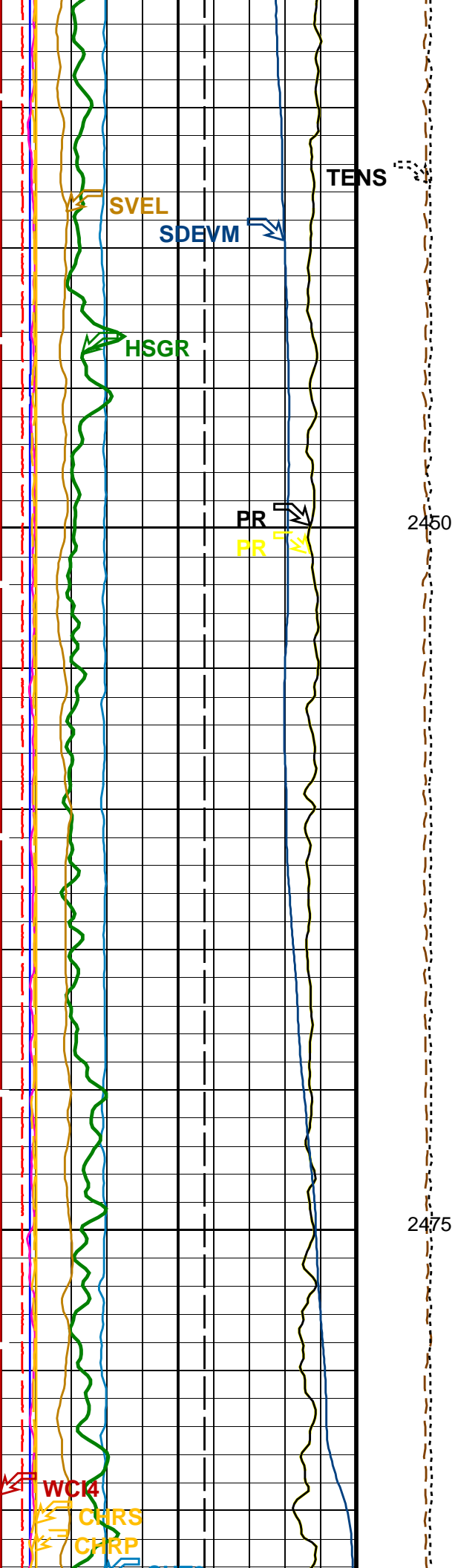
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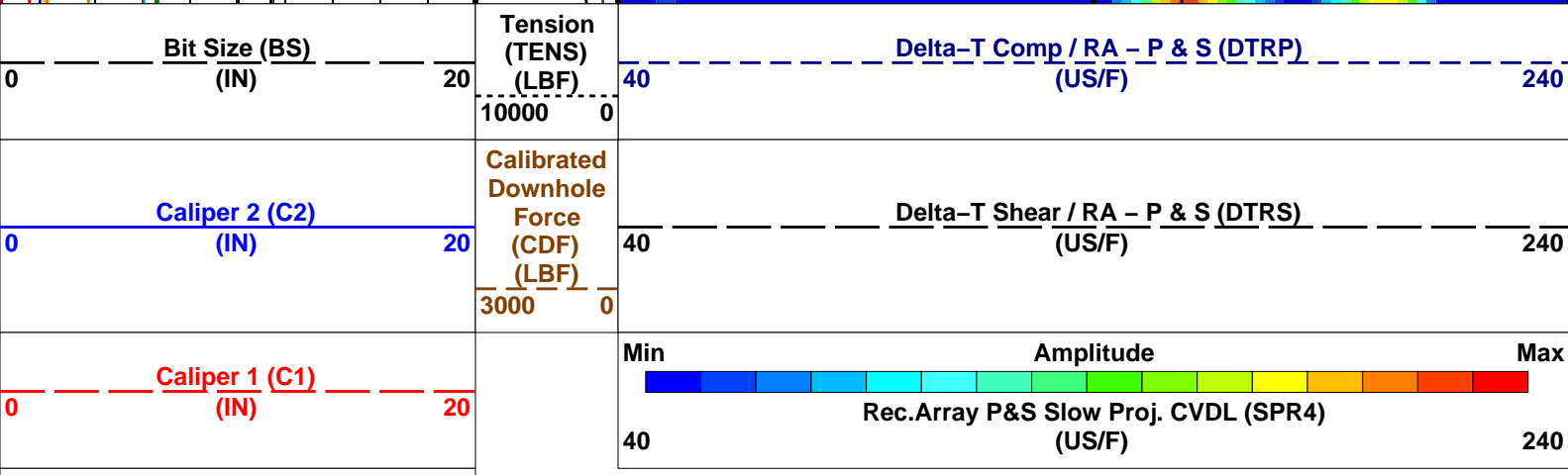
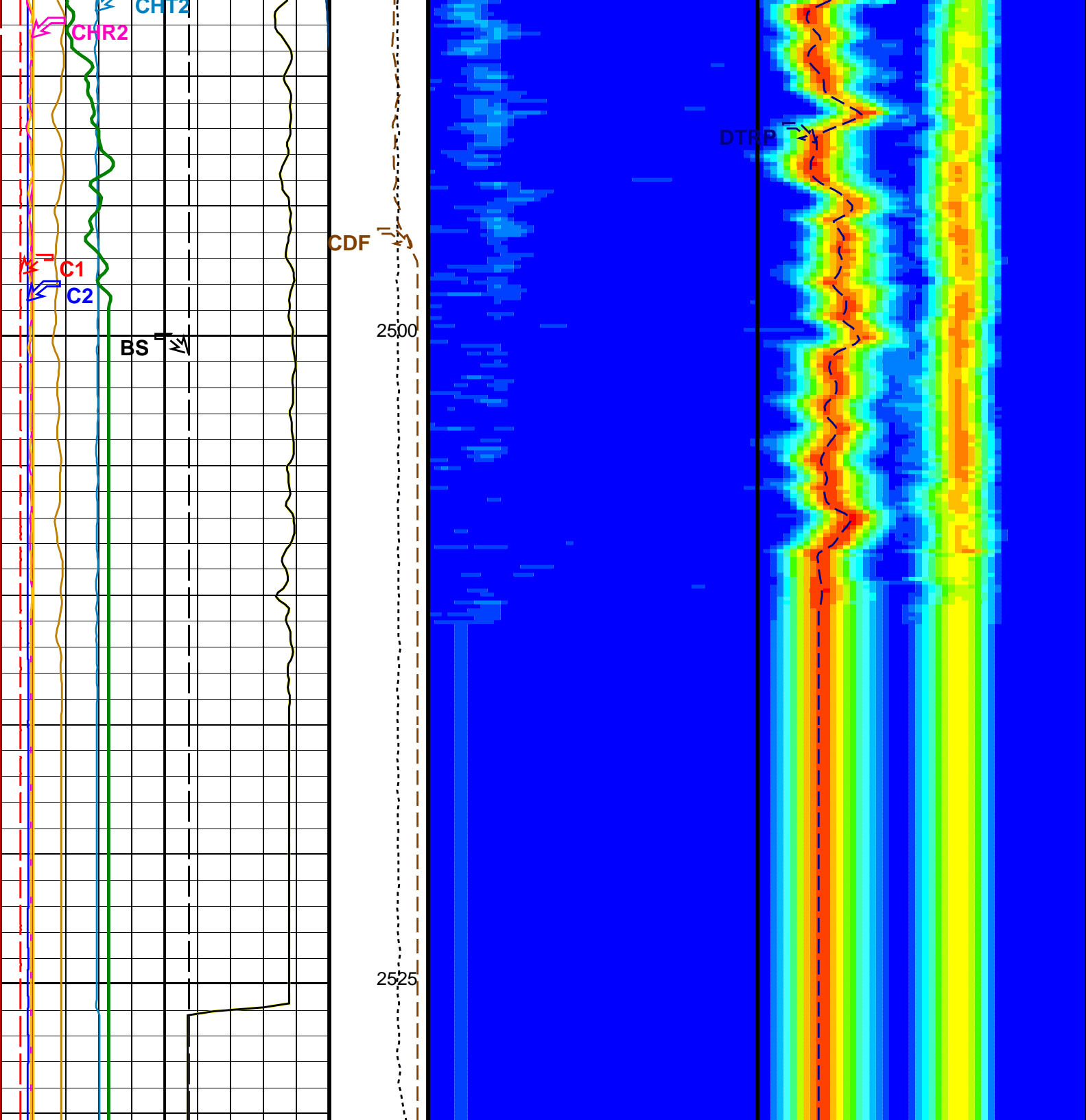
2350

2375









Poisson's Ratio (PR)		
0	(-----)	0.5
Sonde Deviation (SDEVM)		
0	(DEG)	10
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Poisson's Ratio (PR)		
0	(-----)	0.5
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(-----)	10
Peak Coherence / TA – Upper Dipole (CHT2)		
-2	(-----)	8
Peak Coherence / RA – P & S Comp (CHRP)		
0	(-----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(-----)	9
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(-----)	10
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

Flipped Downlog

PIP SUMMARY		
	Time Mark Every 60 S	

Parameters			
DLIS Name	Description	Value	
MEST-B: Micro Electrical Scanner – B (Slim)			
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	-13.1645	DEG
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	130	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	210	US/F
DDE4	Digitizing Delay 4	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
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	212	US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE	
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	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
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
RX2S	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	
SAS2	STC Sonic Array Status – Upper Dipole	255	
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	230	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
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
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
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM4	Waveform Mode 4	W1	
HNGB–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGB Detector 1 Barite Constant	1	
BAR2	HNGB Detector 2 Barite Constant	1	
BHK	HNGB Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGB Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	–0.001288	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGB Processing Enable	YES	
S1BI	HNGB Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGB Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGB Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGB Detector 1 Variable Barite Factor Running Average	0.930596	
VBA2	HNGB Detector 2 Variable Barite Factor Running Average	0.941936	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_Only Vertical Scale: 1:200 Graphics File Created: 28–Jun–2021 22:01

OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	HNGC–B	19C0–187
HNGB–BA	19C0–187	DTC–H	19C0–187

Input DLIS Files

Flip_FMS_DSI_NGS_022LUP FN:1 28–Jun–2021 19:08 2530.6 M 1815.1 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_028PUP FN:43 PRODUCER 28–Jun–2021 22:01

Input DLIS Files

Flip_FMS_DSI_NGS_022LUP FN:1 28-Jun-2021 19:08 2530.6 M 1815.1 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_028PUP FN:43 PRODUCER 28-Jun-2021 22:01 2530.3 M 1815.1 M

OP System Version: 19C0-187

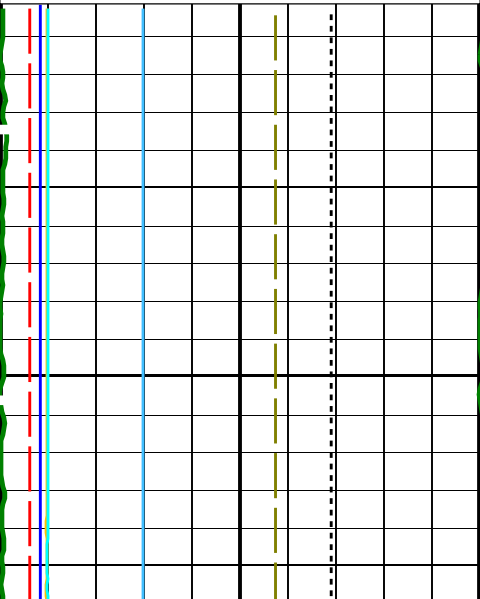
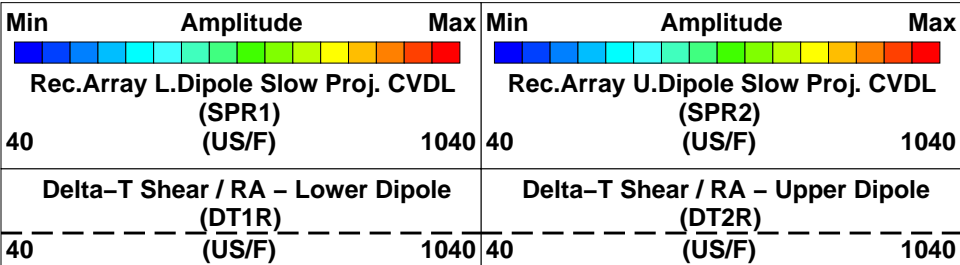
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

PIP SUMMARY

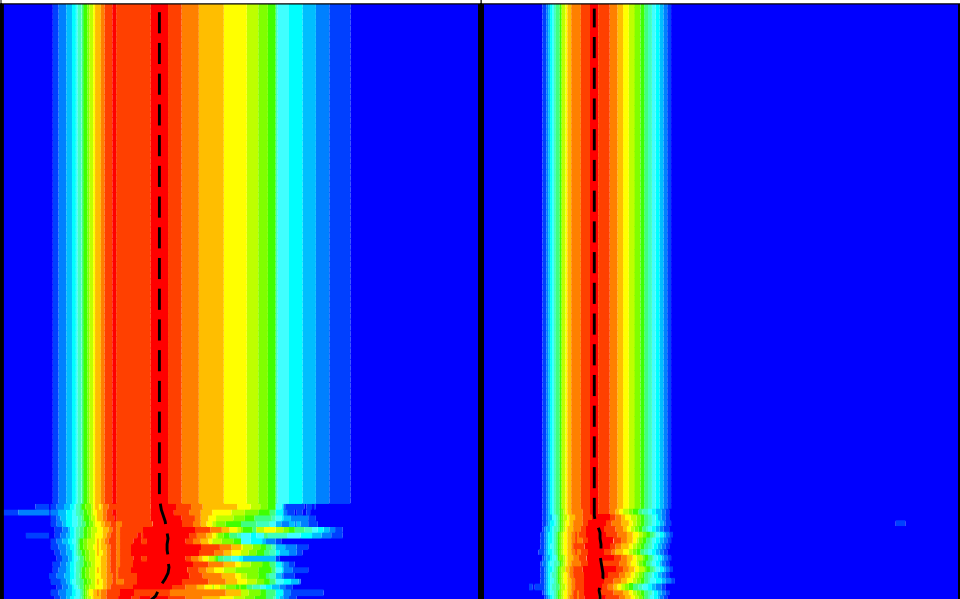
Time Mark Every 60 S

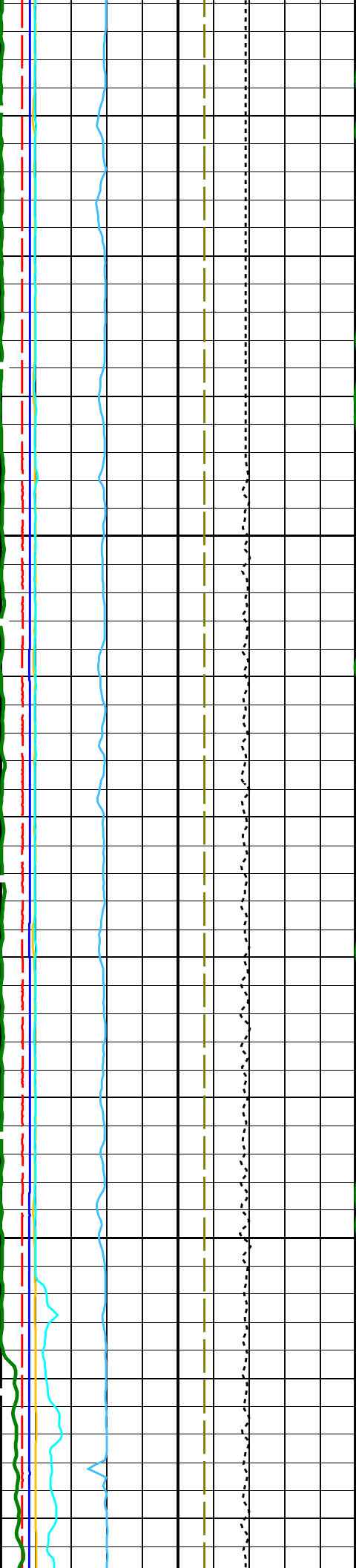
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Tension (TENS) (LBF)		
10000		0
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Caliper 2 (C2) (IN)		
0		20
Caliper 1 (C1) (IN)		
0		20
Bit Size (BS) (IN)		
0		20

Flipped Downlog



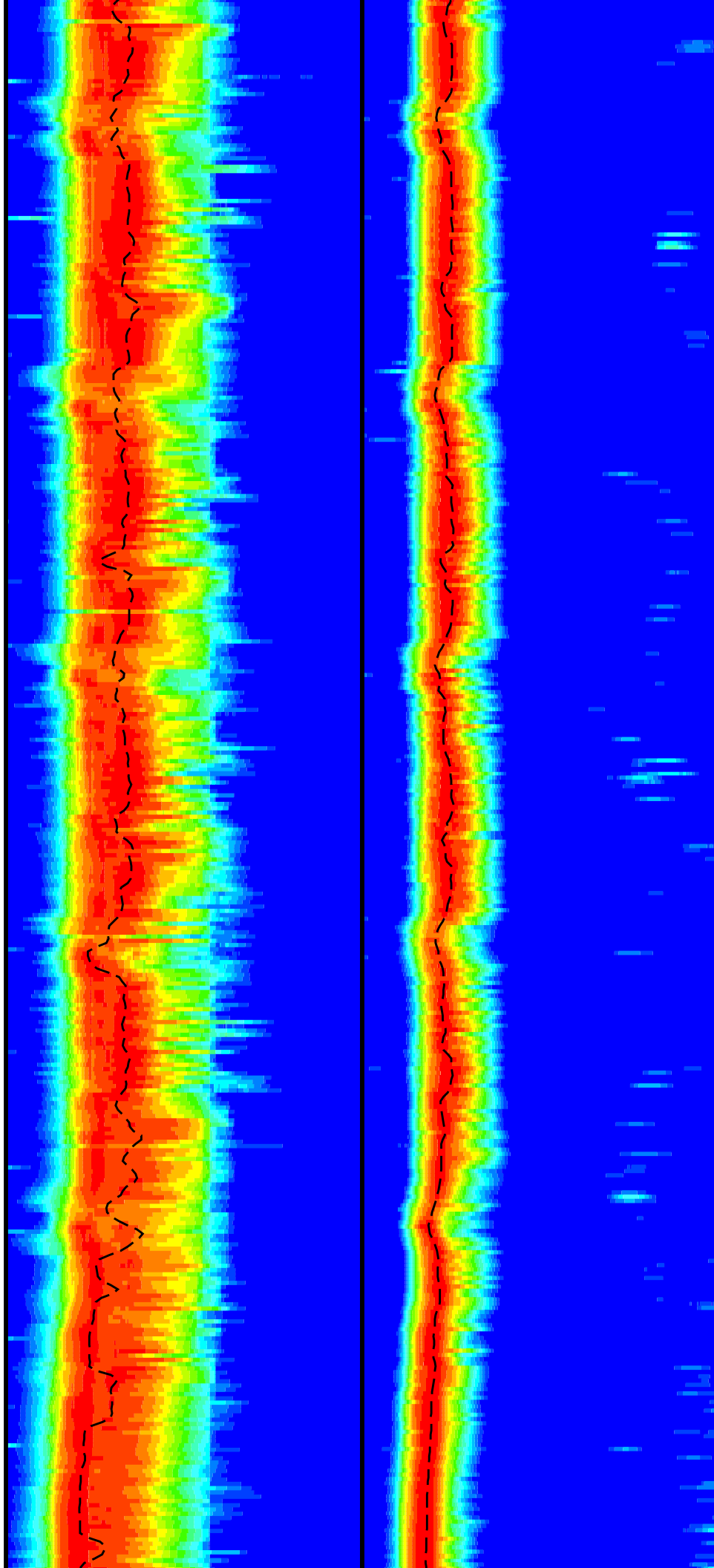
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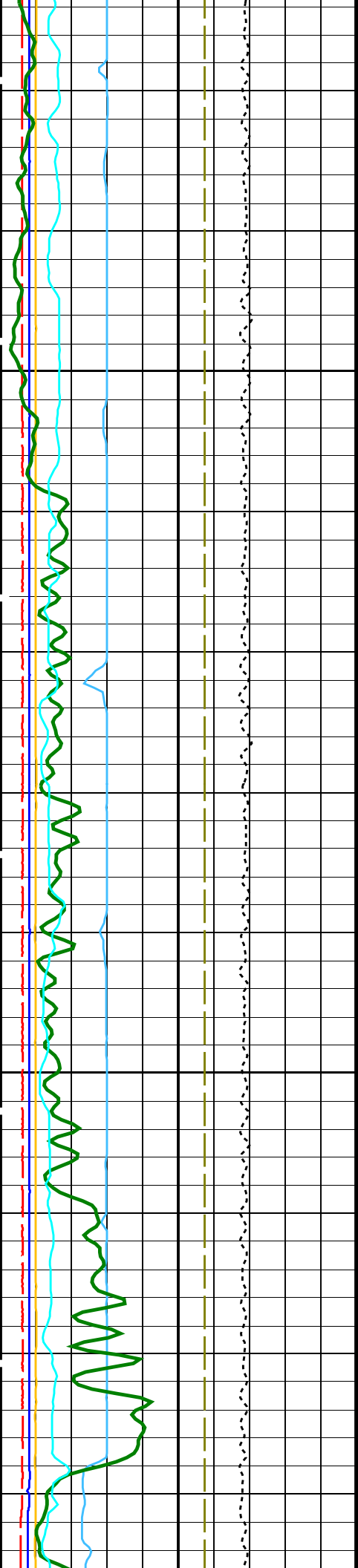




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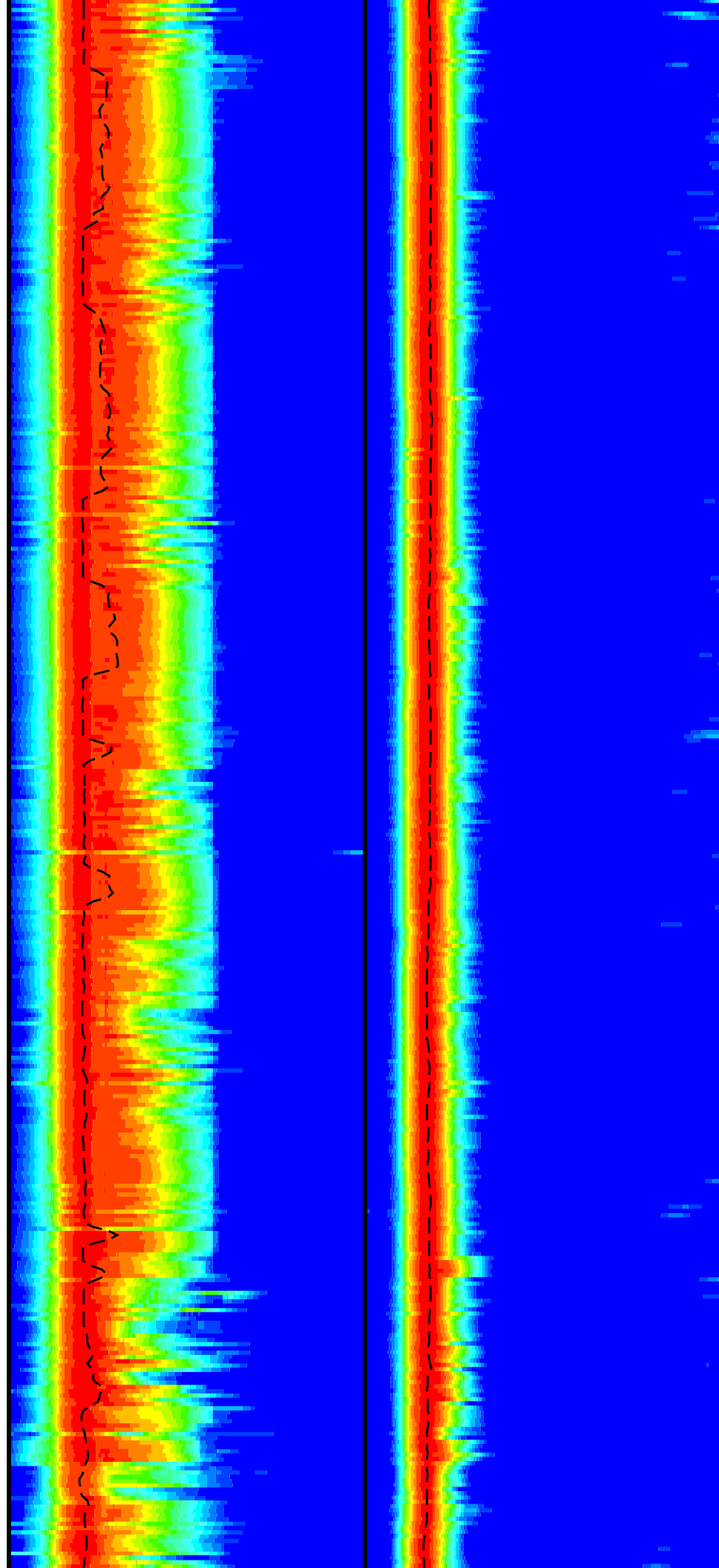
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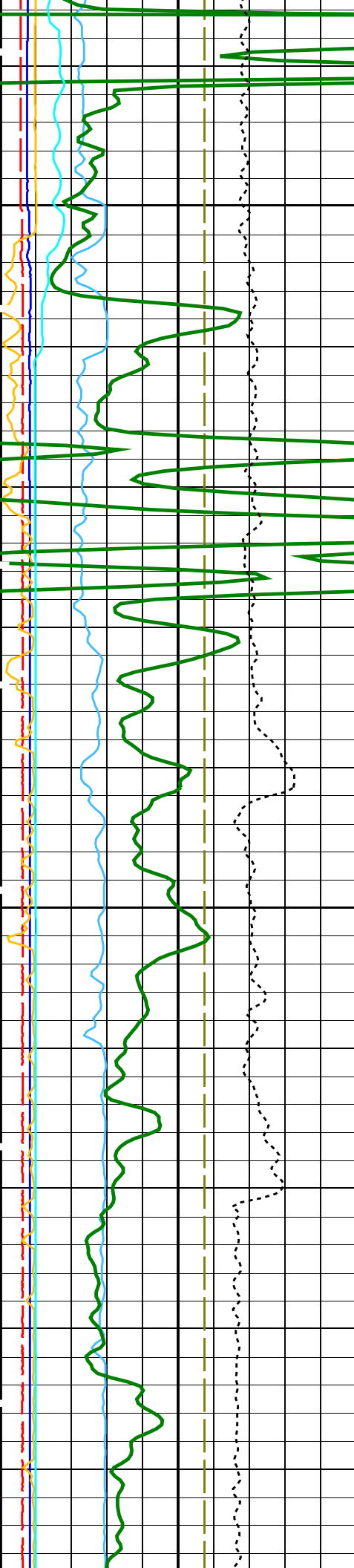




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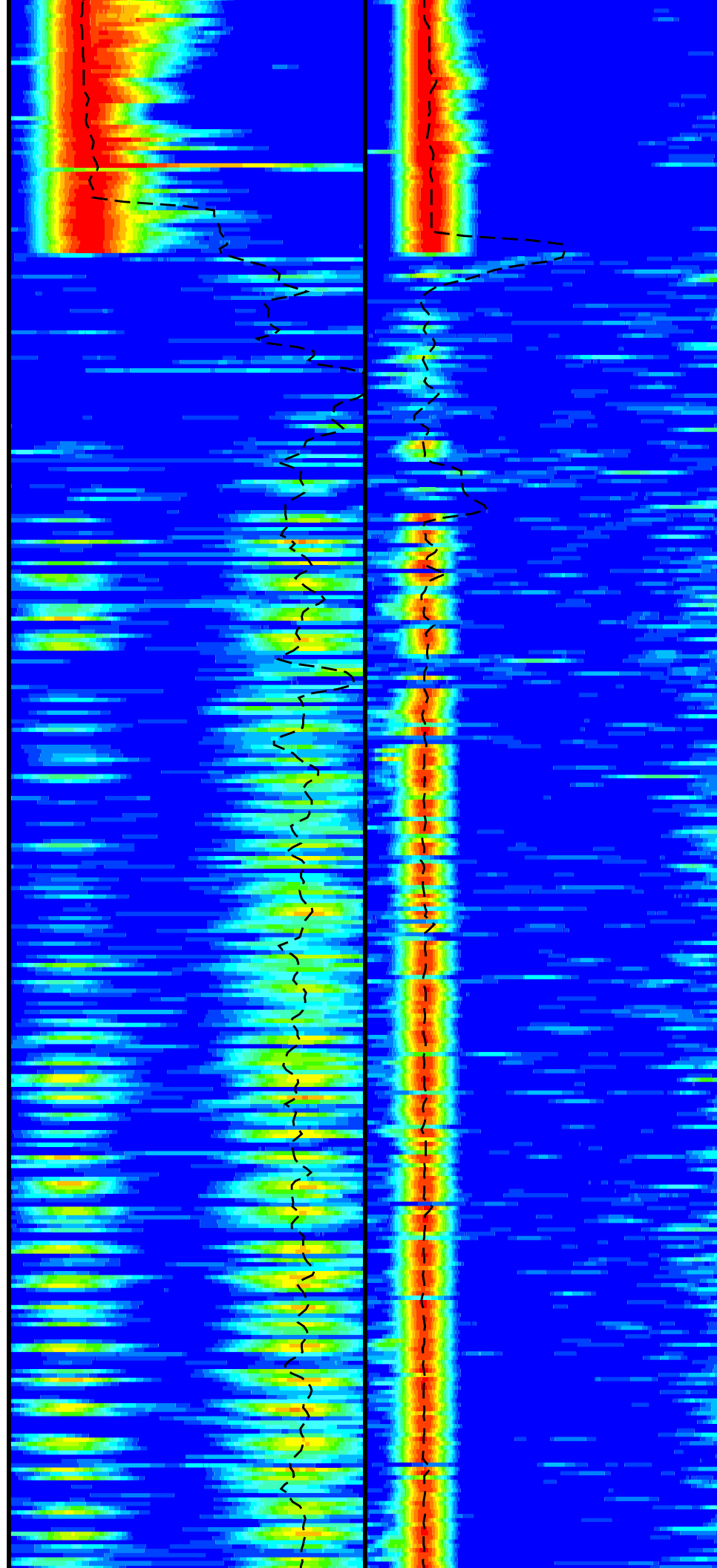
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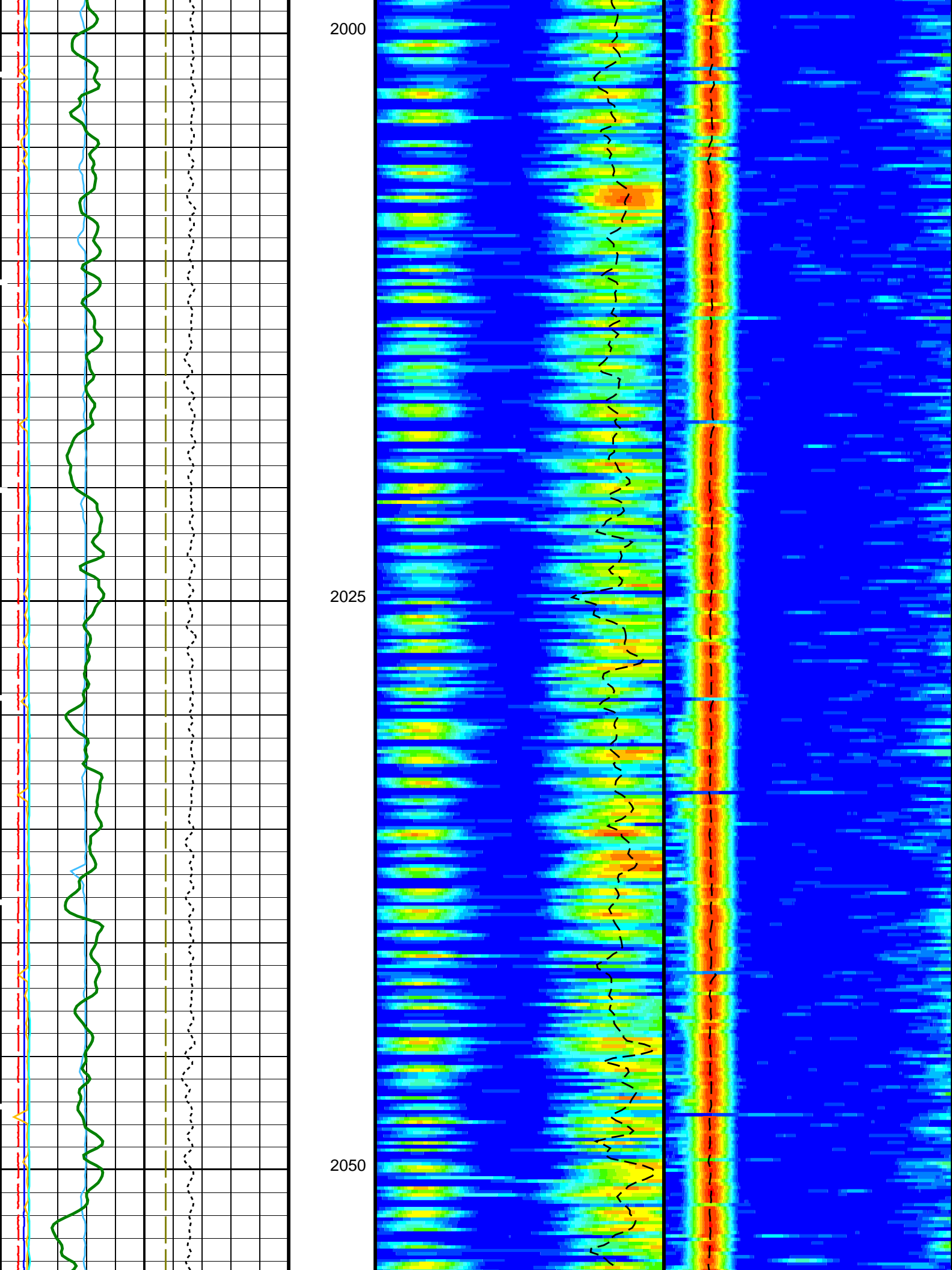


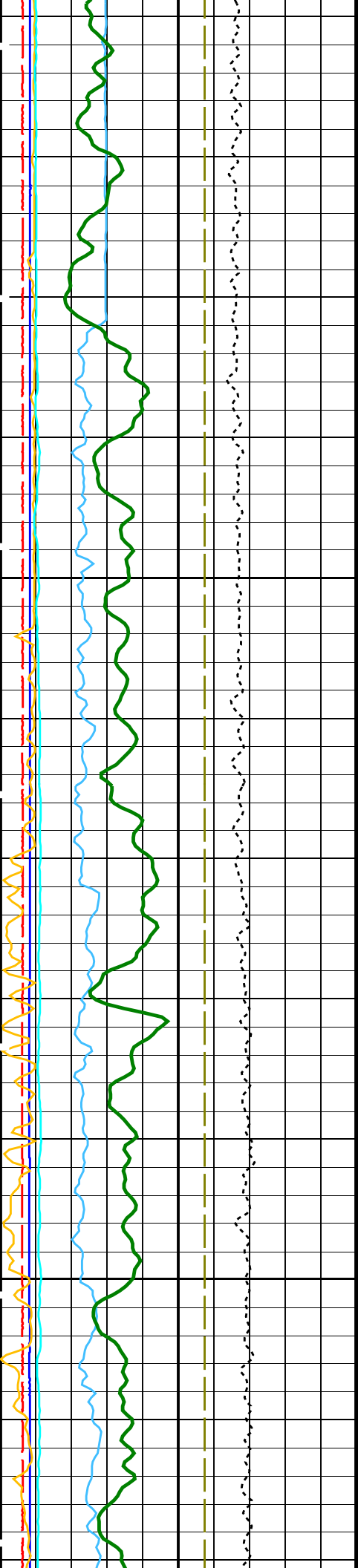


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1975

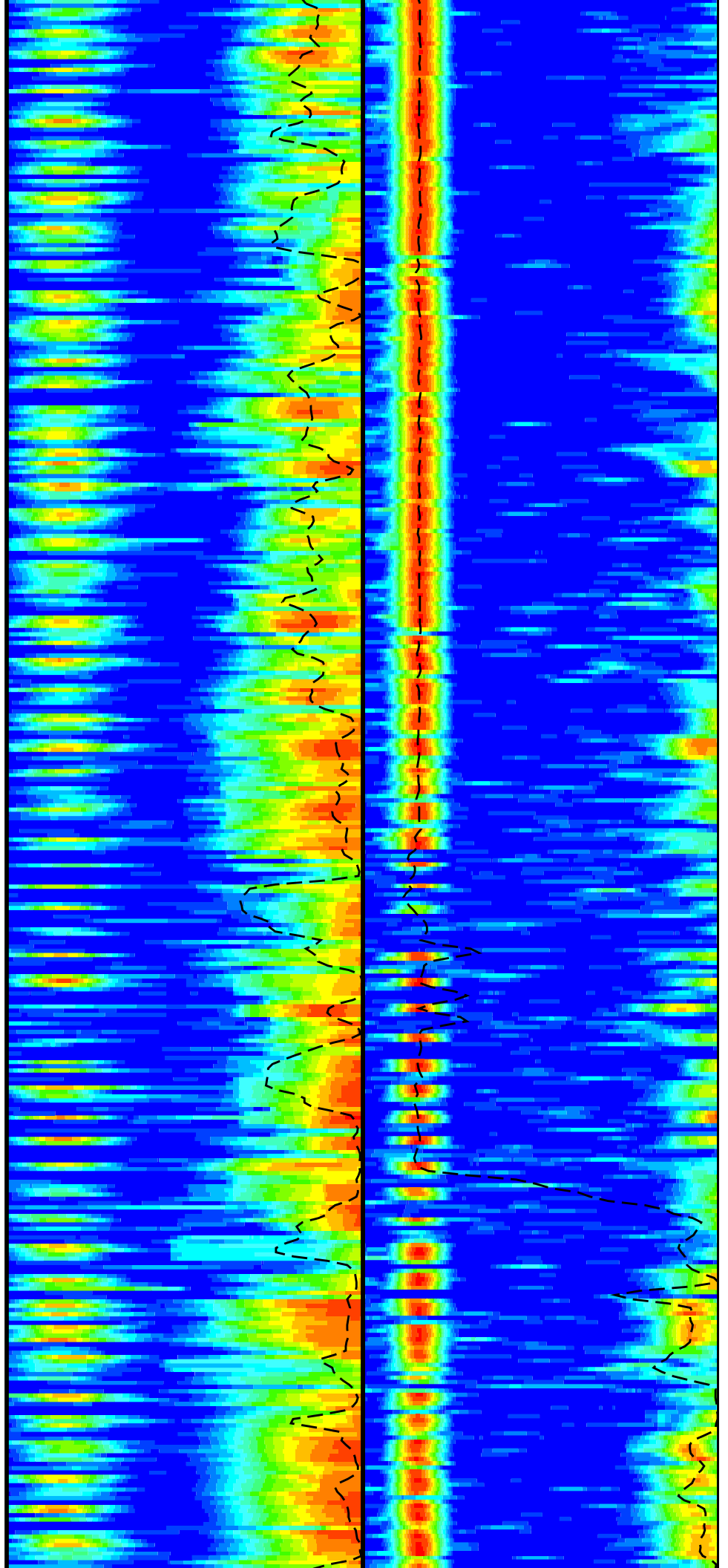


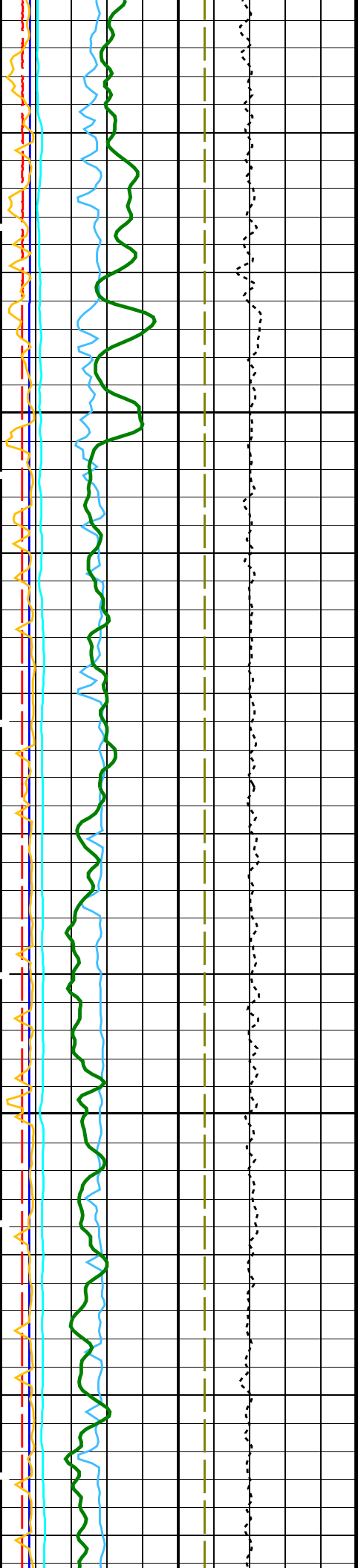




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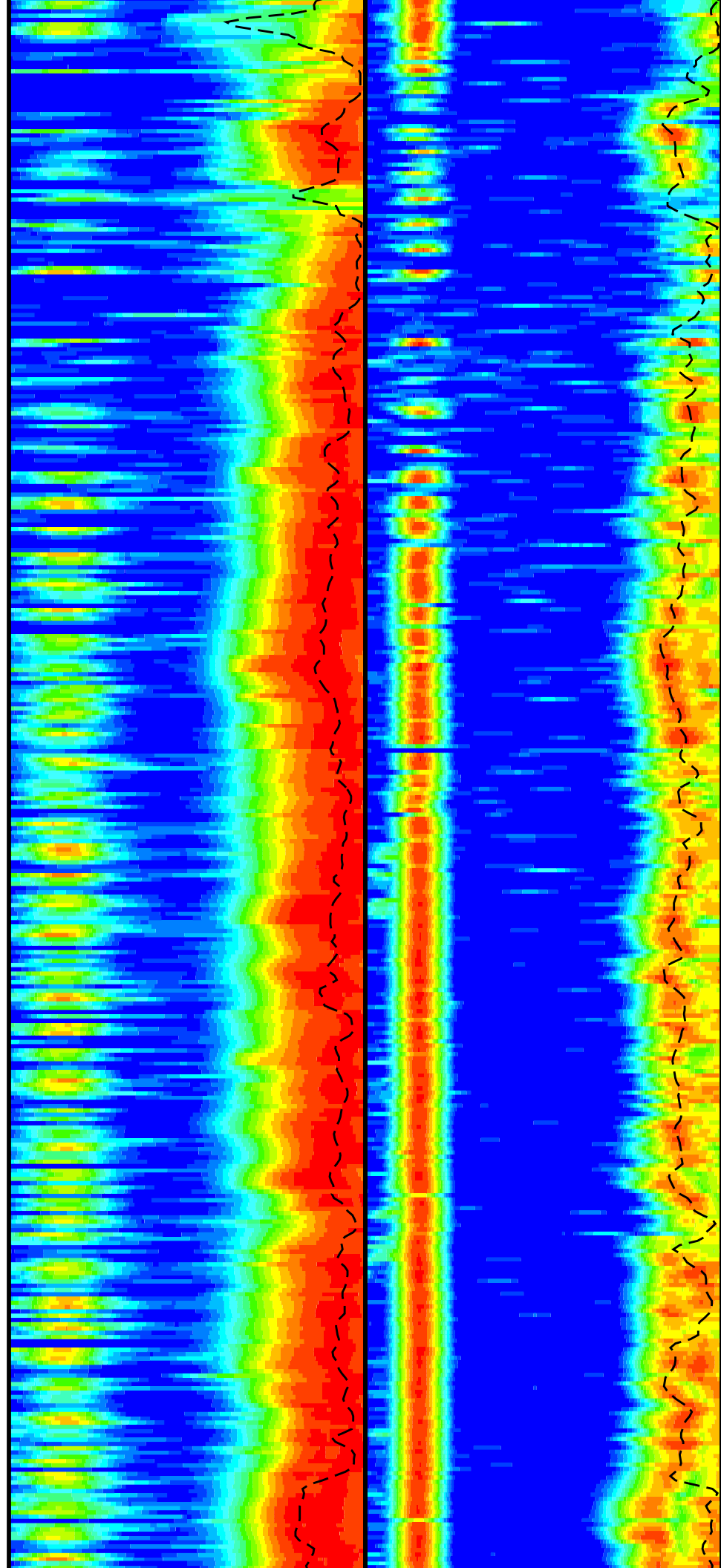
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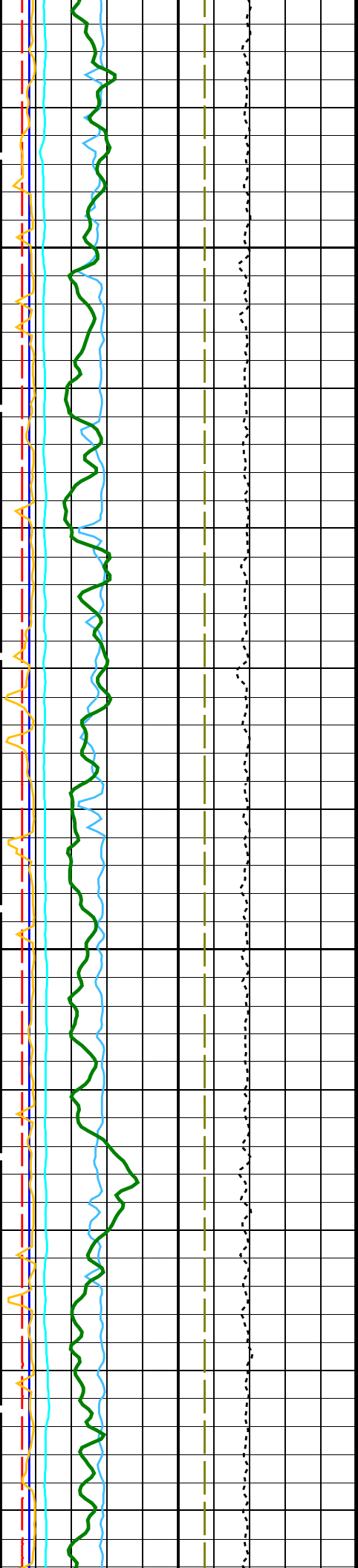




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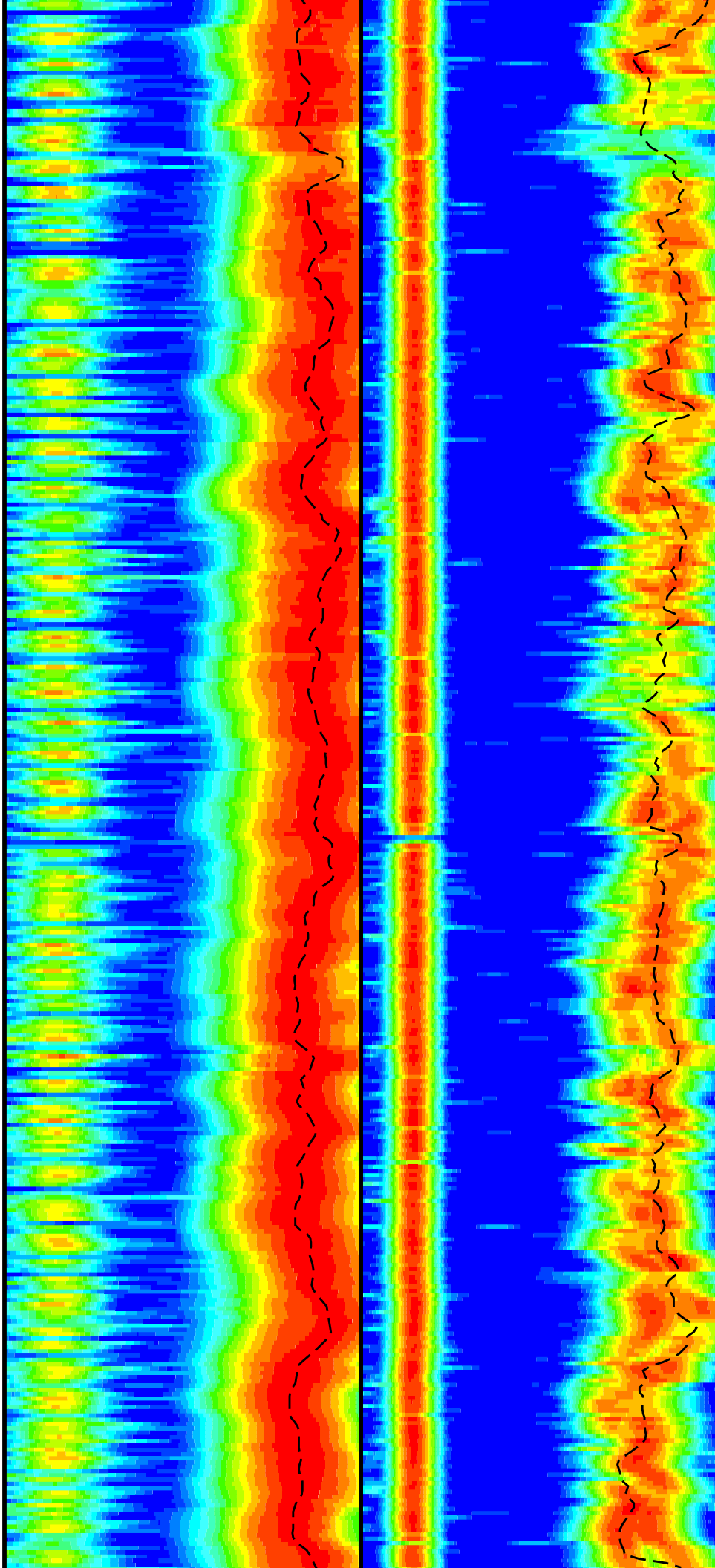
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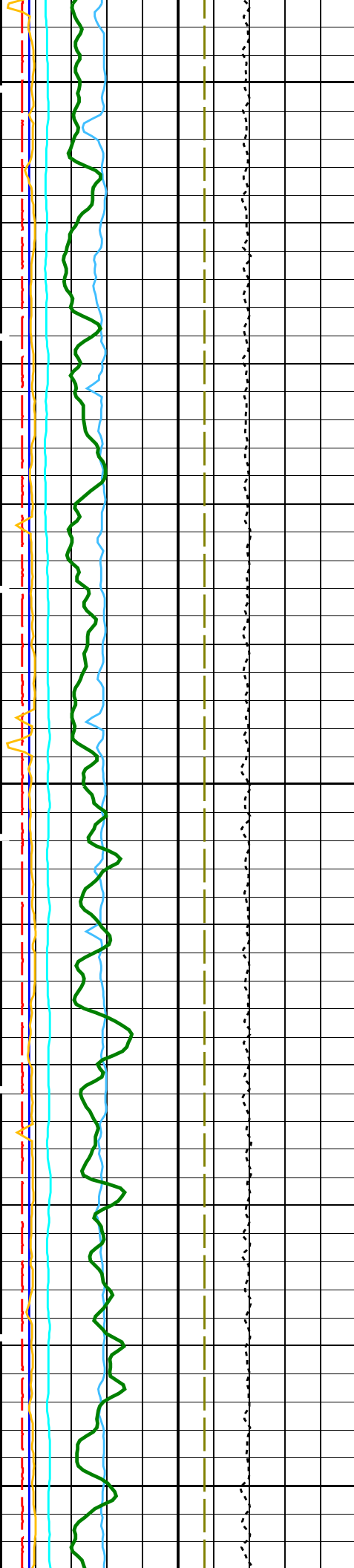




2175

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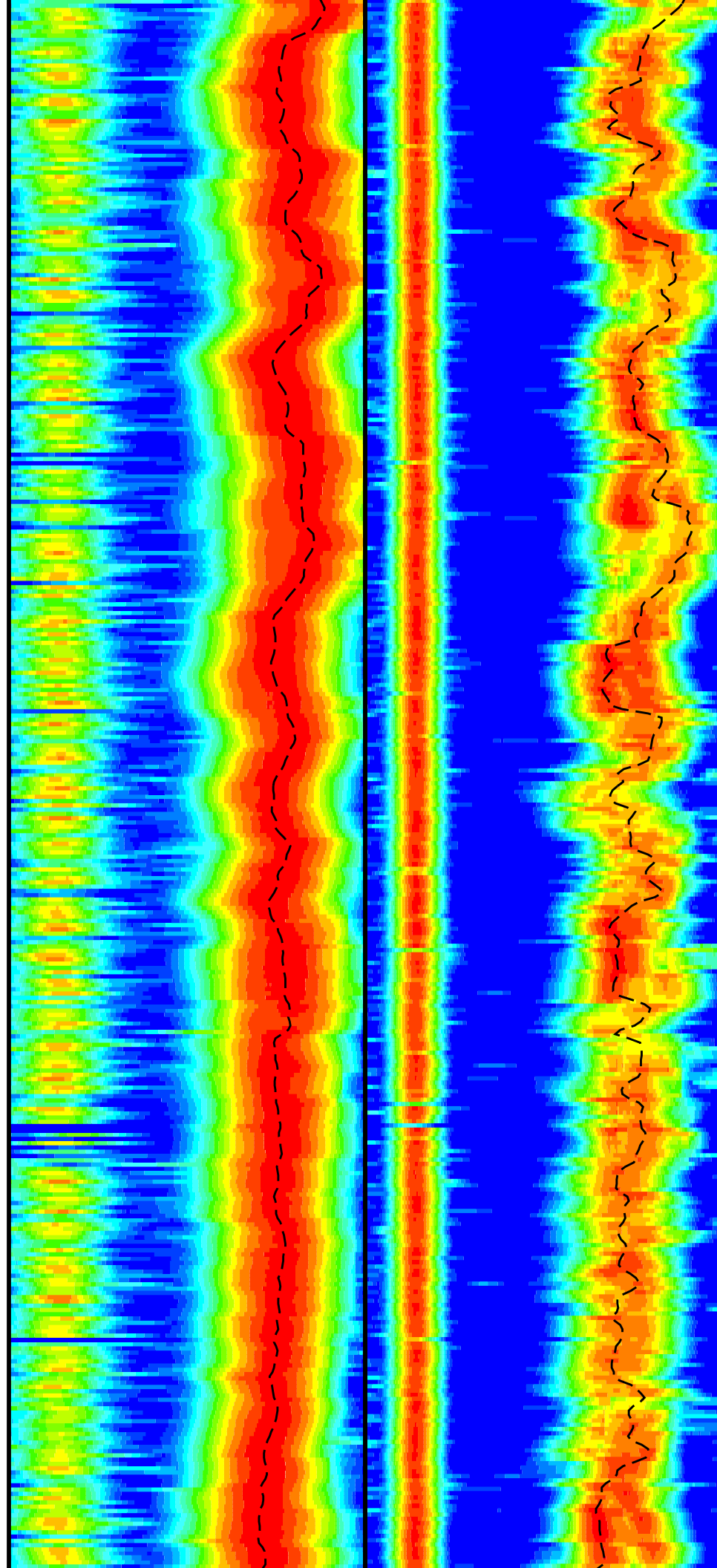


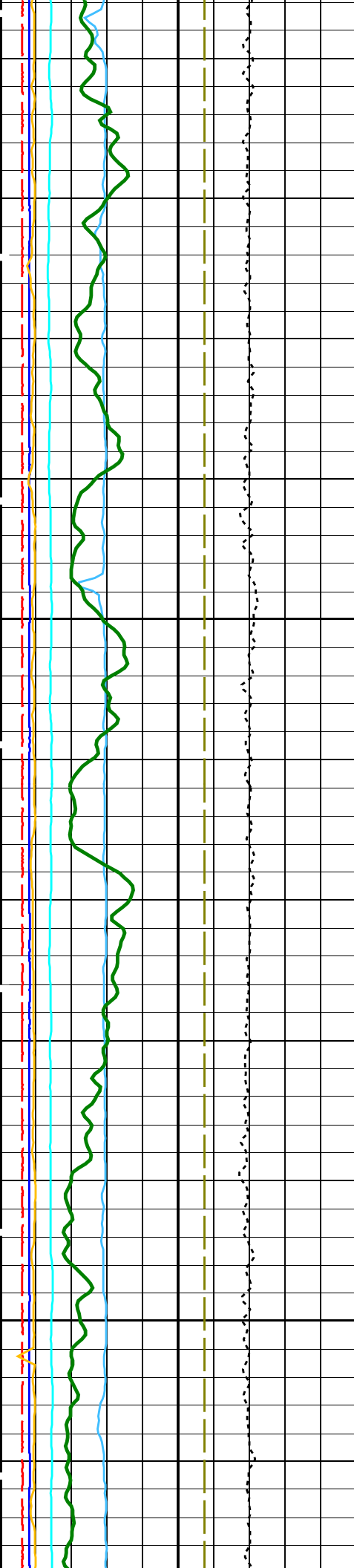


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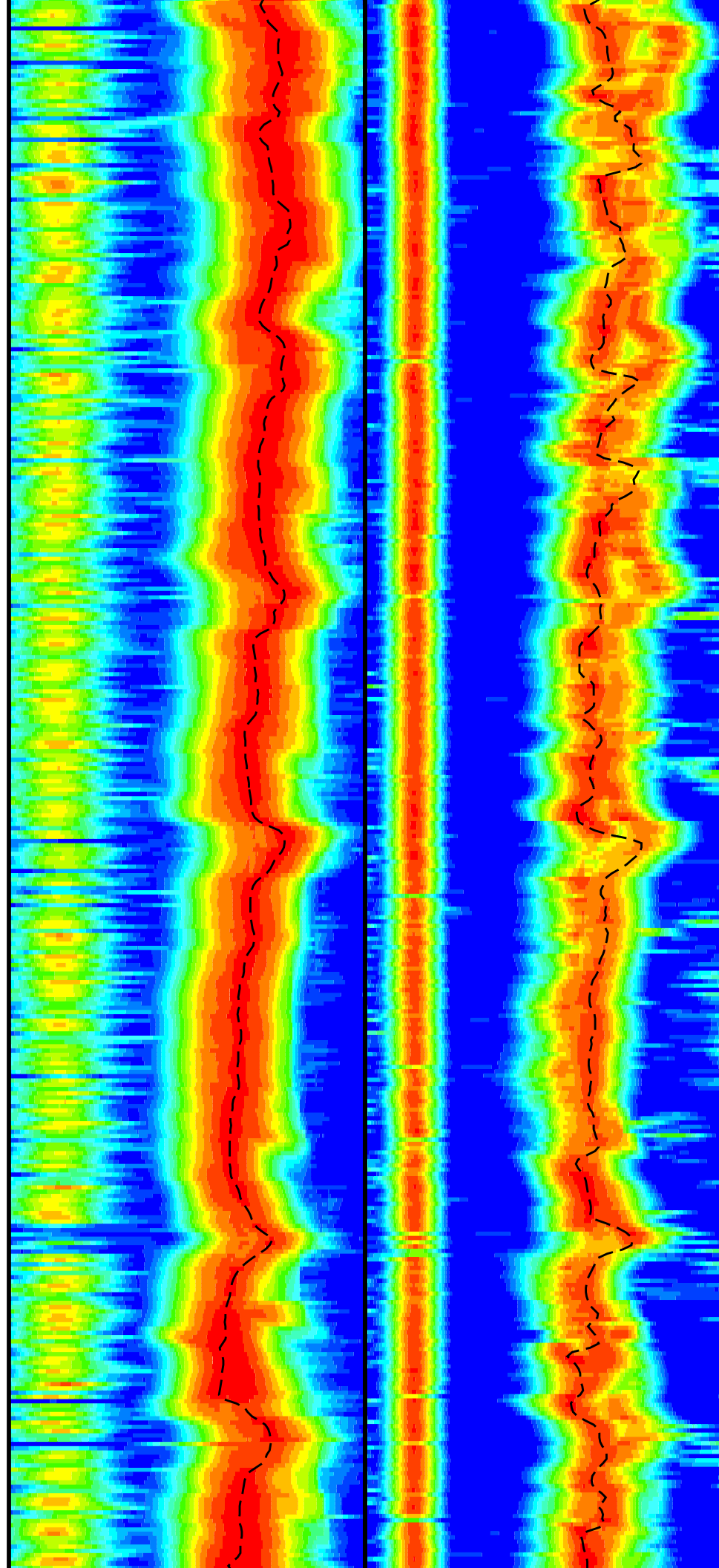
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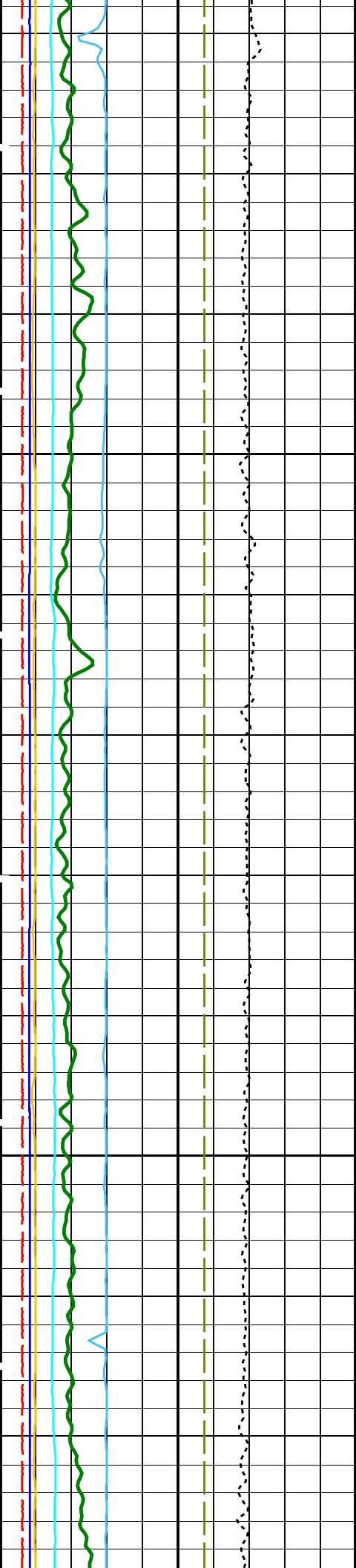




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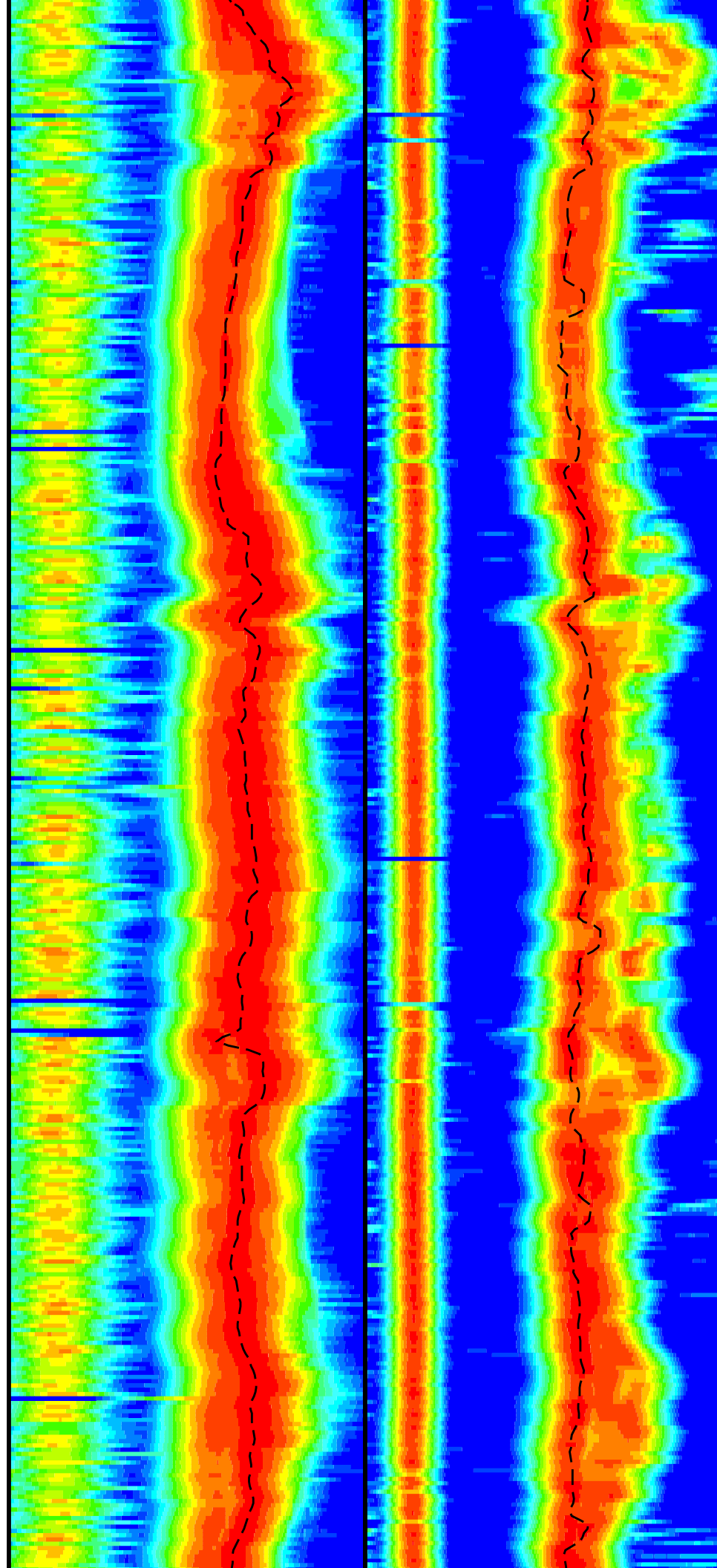
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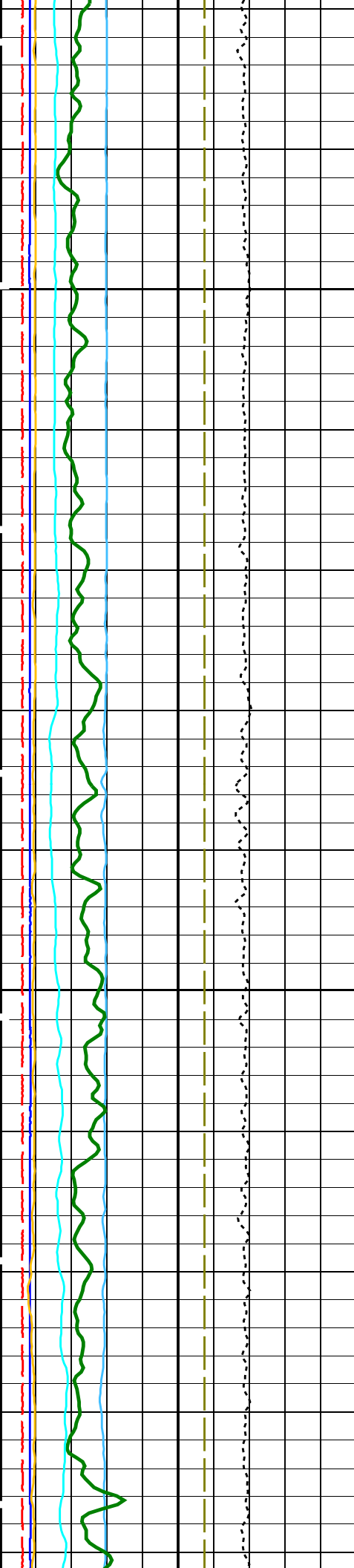




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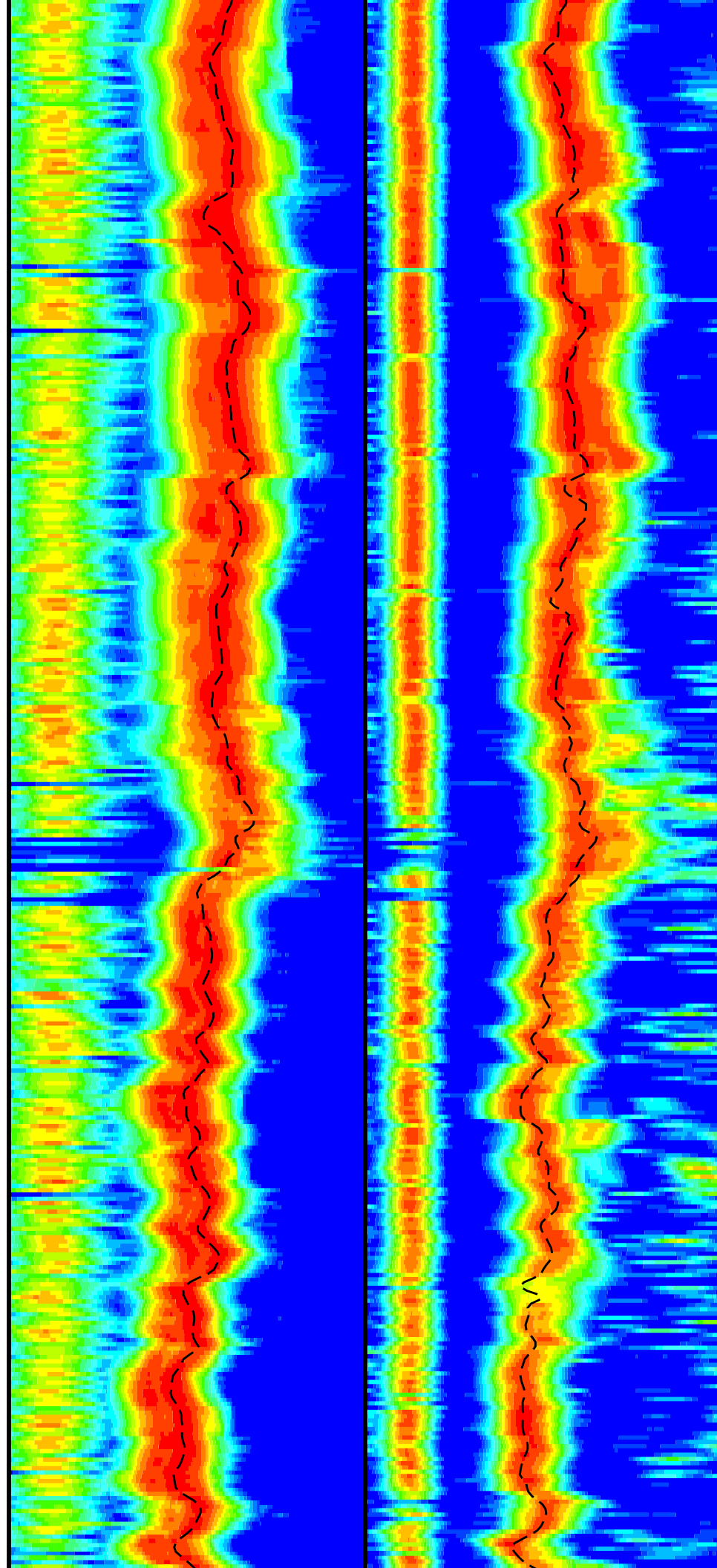
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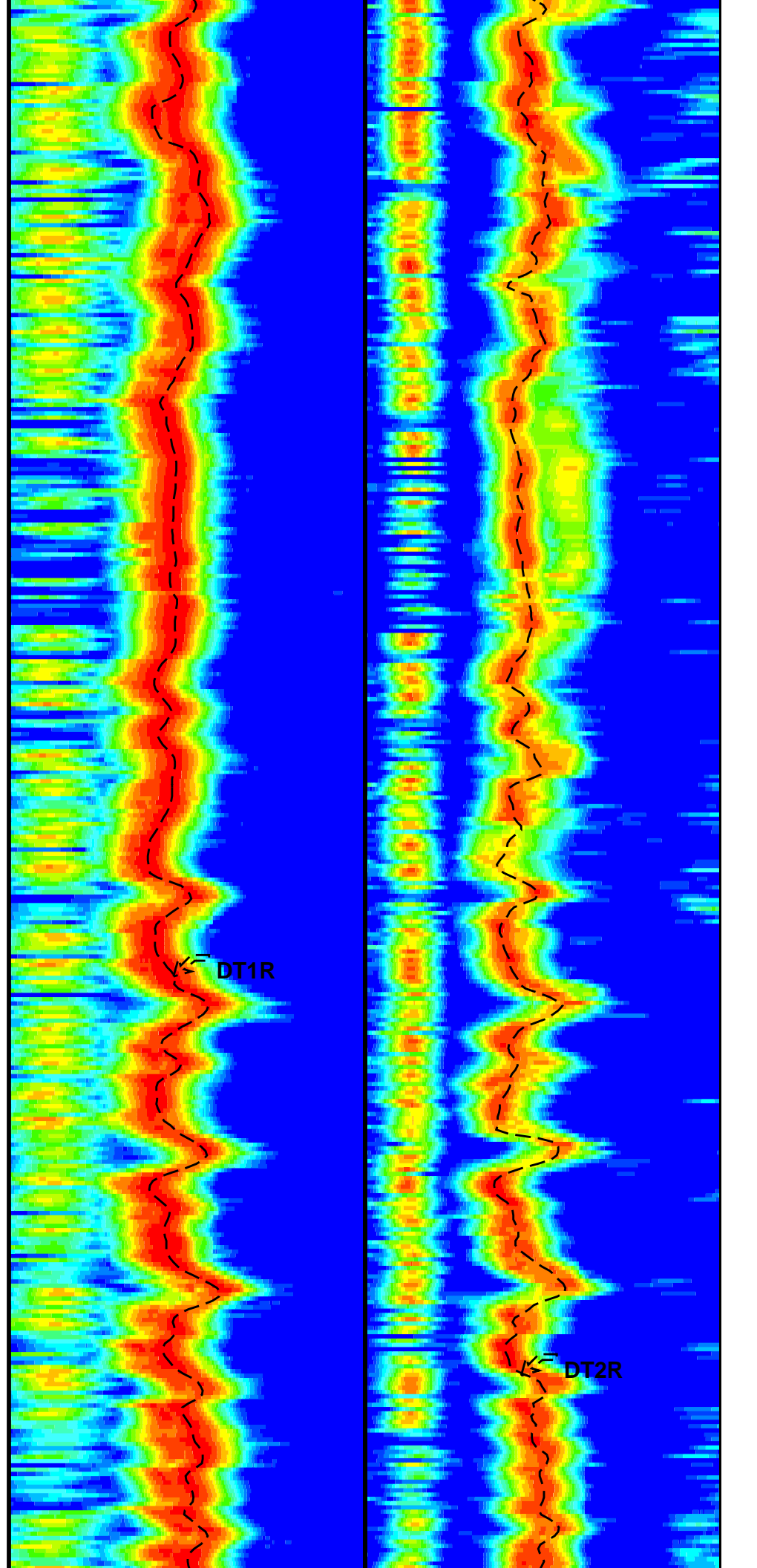
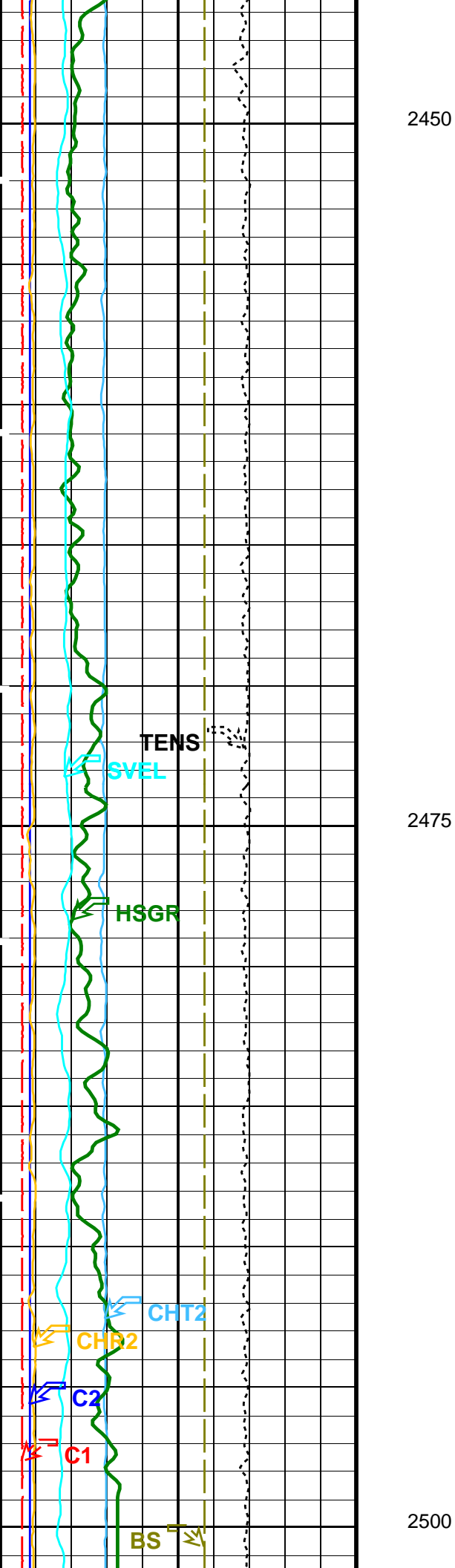


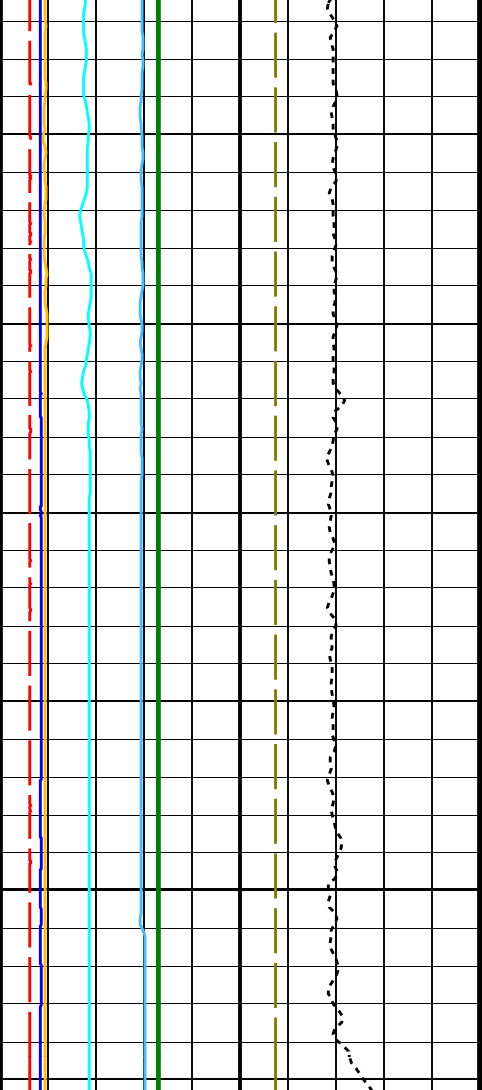


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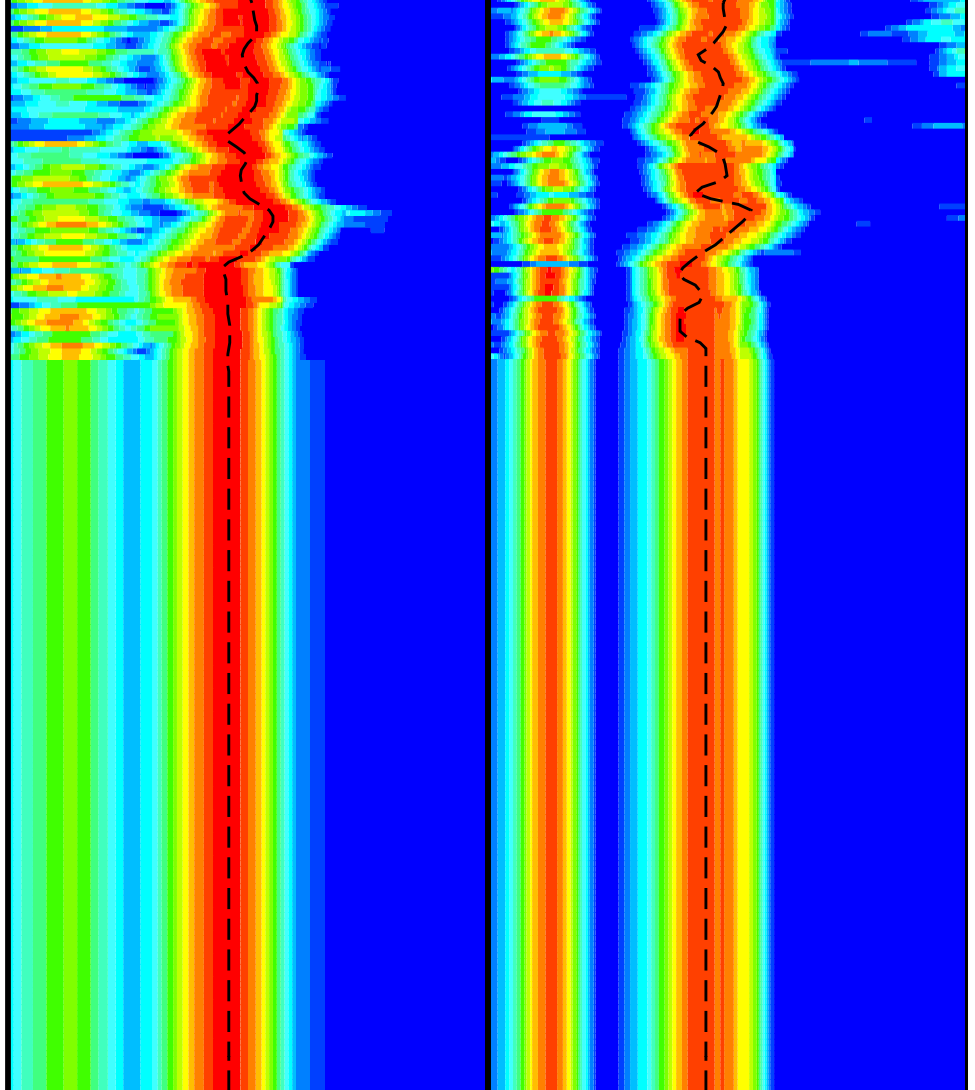
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2525



Bit Size (BS) (IN)		
0		20
Caliper 1 (C1) (IN)		
0		20
Caliper 2 (C2) (IN)		
0		20
Sonic Velocity (SVEL) (M/S)		
1000		6000
Tension (TENS) (LBF)		
10000		0
Peak Coherence / RA - Upper Dipole (CHR2)		
0		10
Peak Coherence / TA - Upper Dipole (CHT2)		
-2		8
HNGS Spectroscopy Gamma Ray (HSGR)		
0		100

Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)			Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)		
40		1040	40		1040
Min	Amplitude	Max	Min	Amplitude	Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)			Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)		
40		1040	40		1040

Flipped Downlog

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
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
DSI1	Digitizer Sample Interval 1	40	US
DSI2	Digitizer Sample Interval 2	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	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	BS	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
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
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM2	STC Filter – Upper Dipole	B1–2K	
SLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SUL1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1040	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	18960	US
TUL2	STC Time Upper Limit – Upper Dipole	18440	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	–0.001288	
HALE	HNGS Alpha Filter Length	60	IN

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	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.930596	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.941936	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: UpperLowerDipole_40_1040 Vertical Scale: 1:200 Graphics File Created: 28-Jun-2021 22:01

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

Input DLIS Files

Flip_FMS_DSI_NGS_022LUP FN:1 28-Jun-2021 19:08 2530.6 M 1815.1 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_028PUP FN:43 PRODUCER 28-Jun-2021 22:01

Input DLIS Files

FMS_DSI_NGS_020LUP FN:33 28-Jun-2021 14:23 2528.3 M 2000.0 M

Output DLIS Files

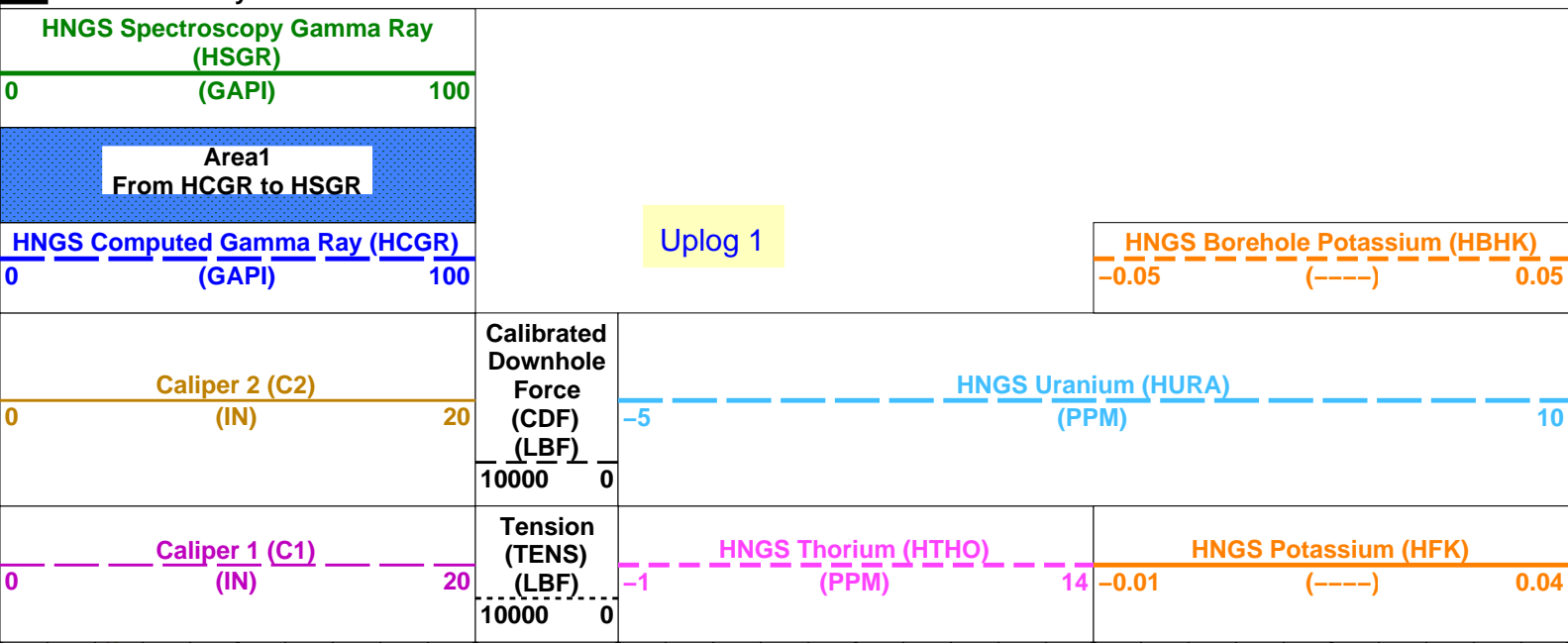
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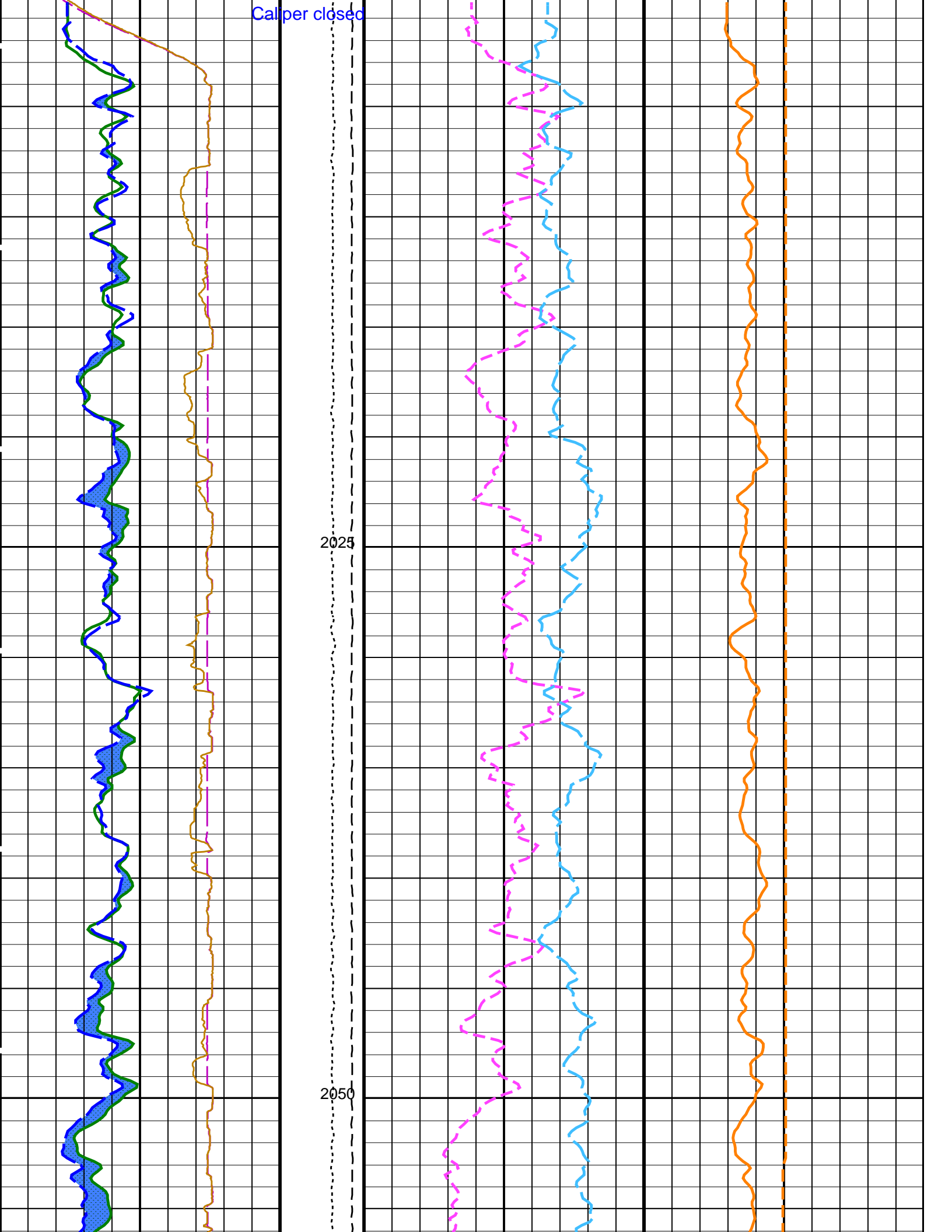
OP System Version: 19C0-187

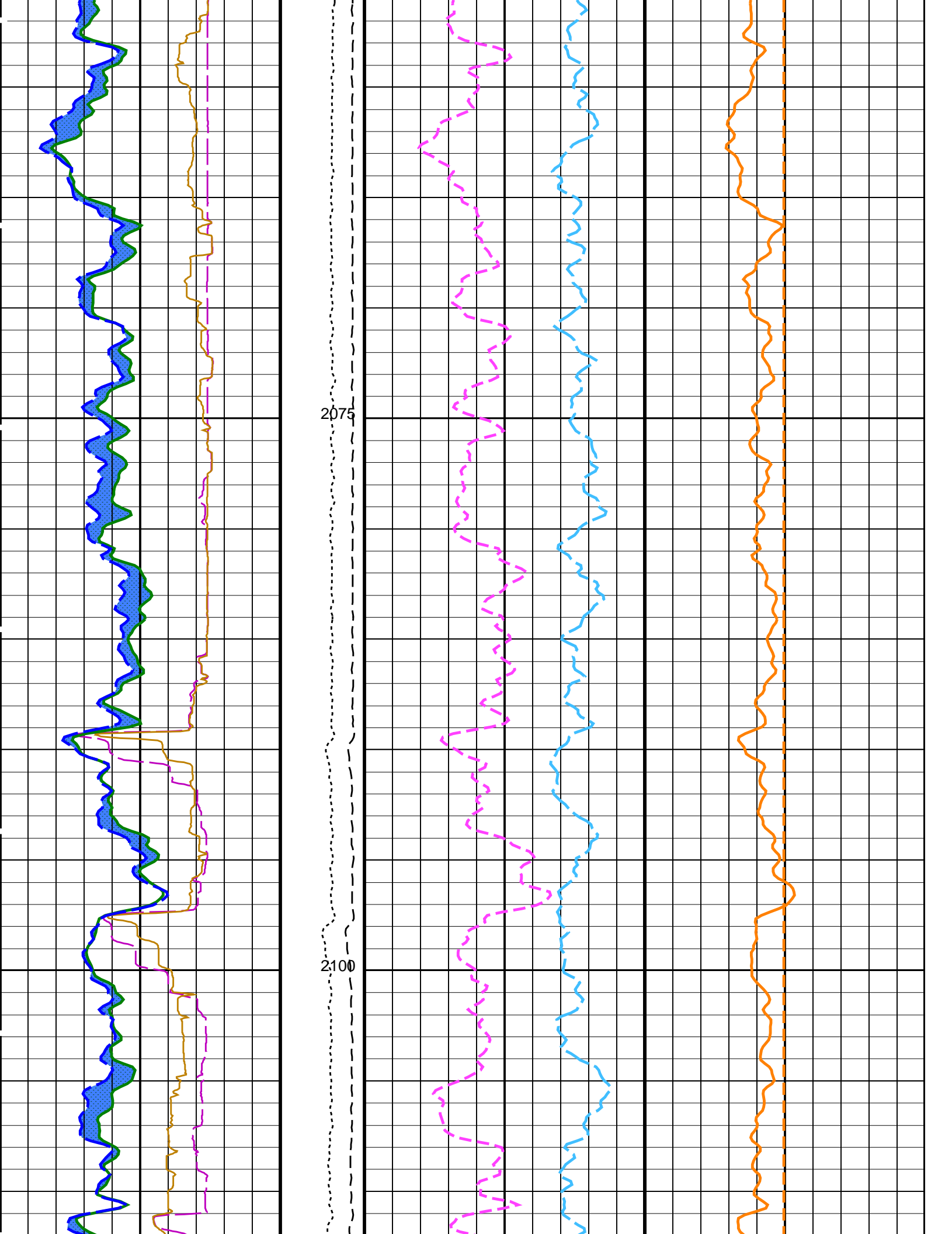
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DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

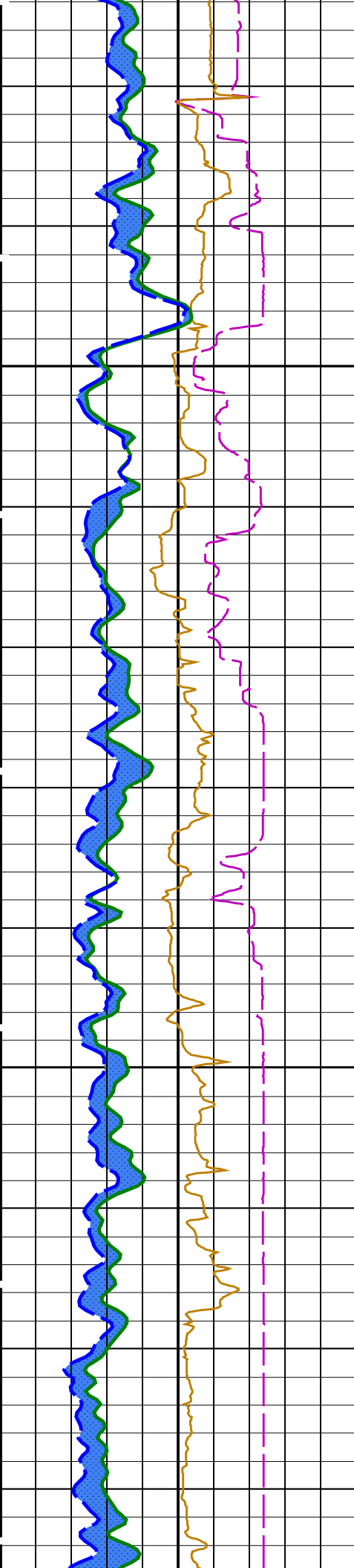
PIP SUMMARY

☒ Time Mark Every 60 S



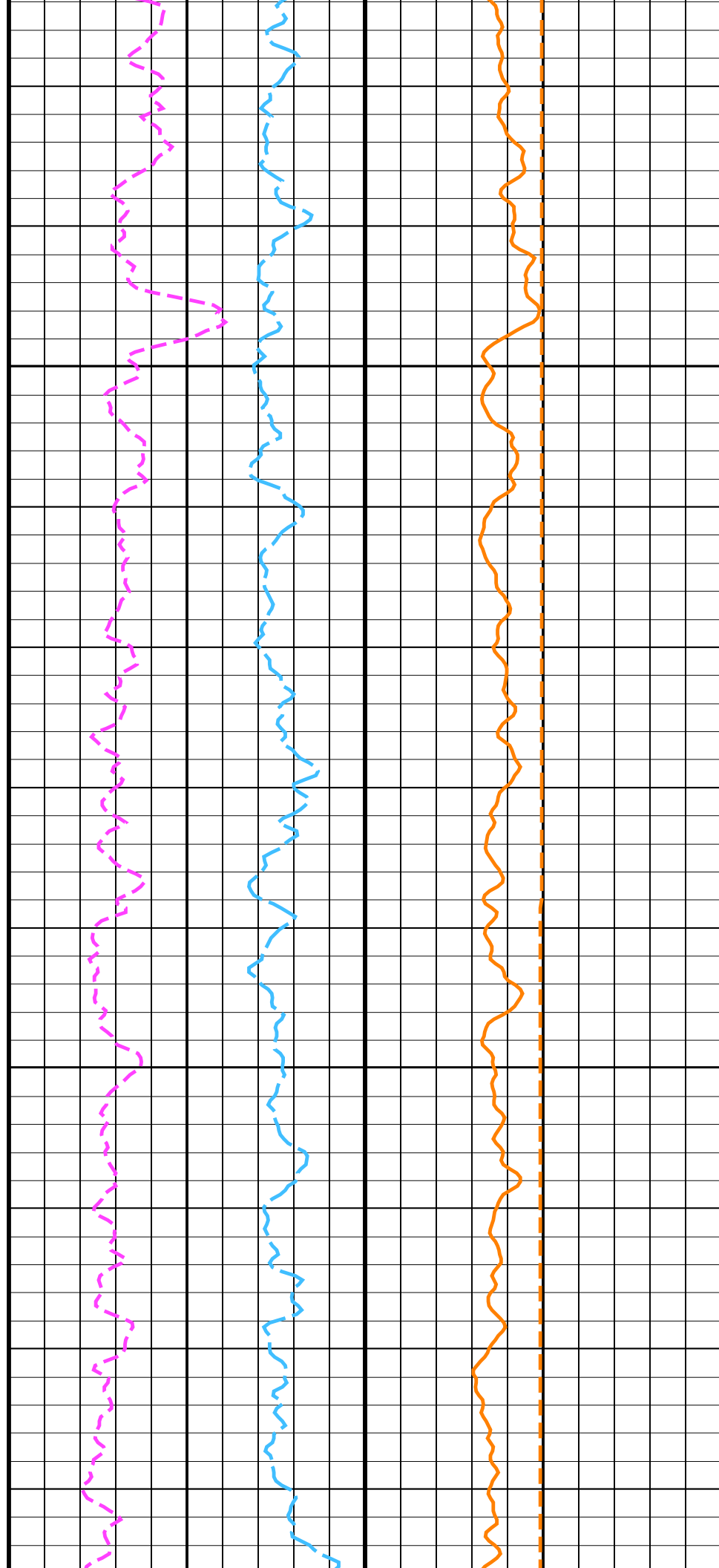


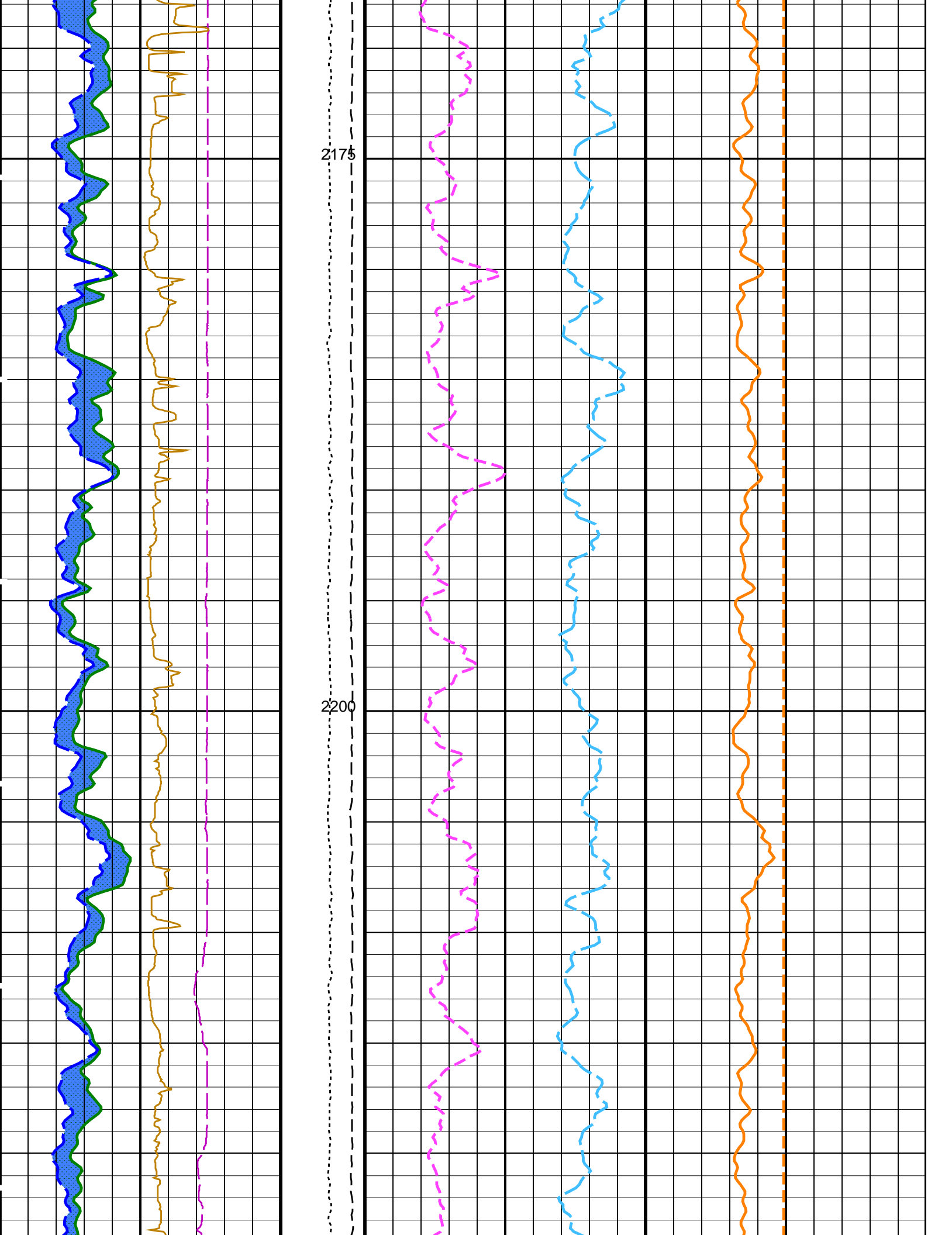


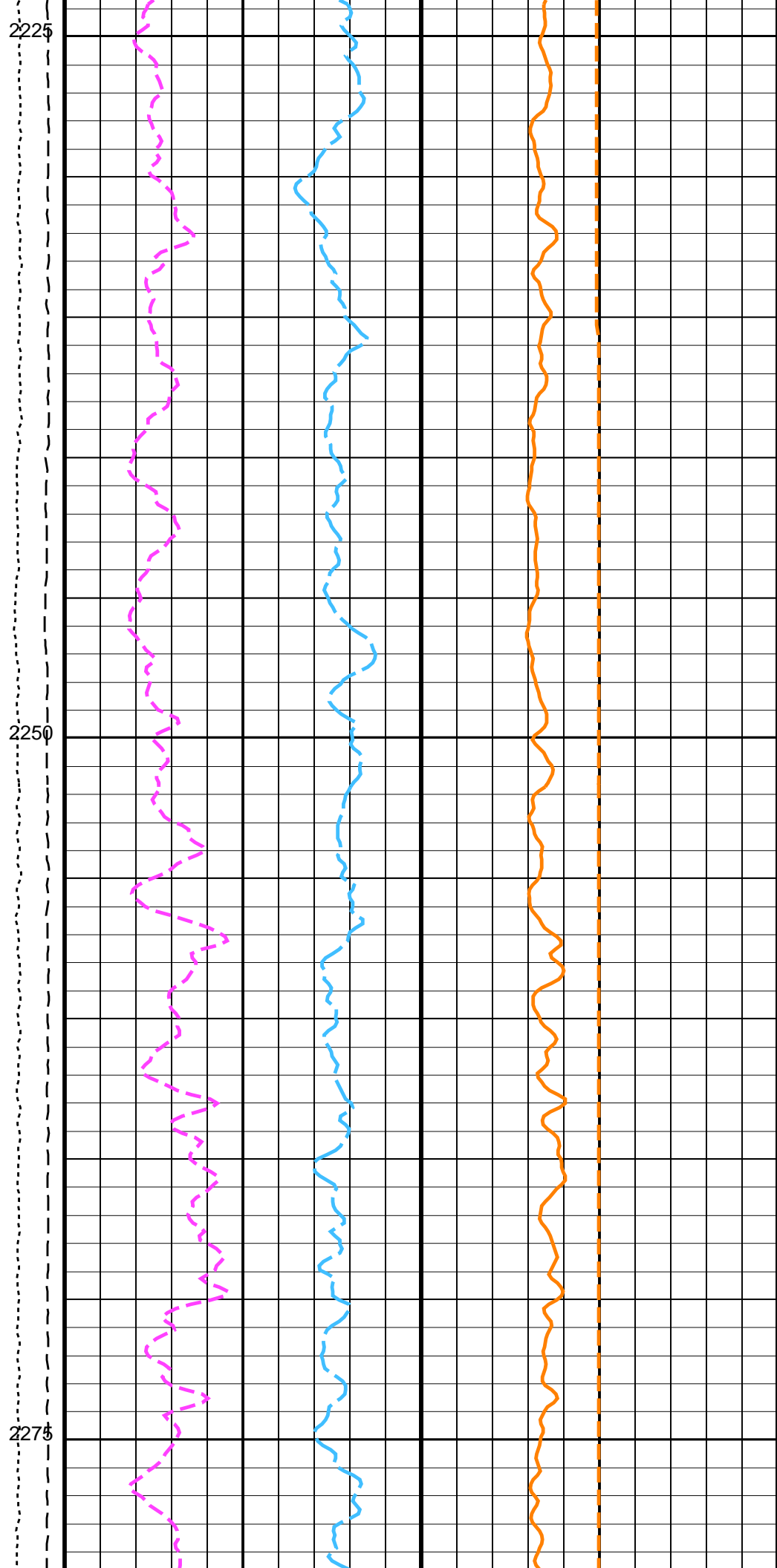
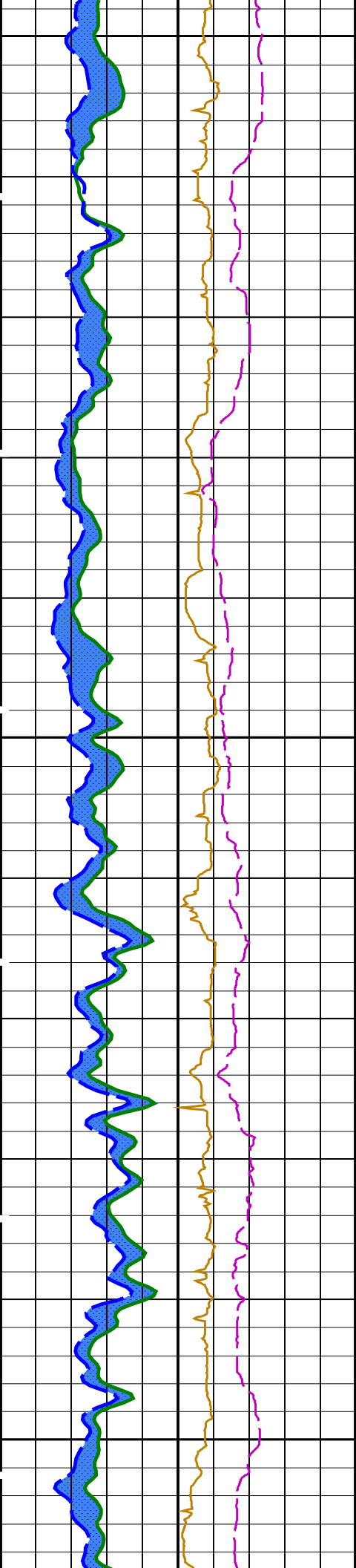


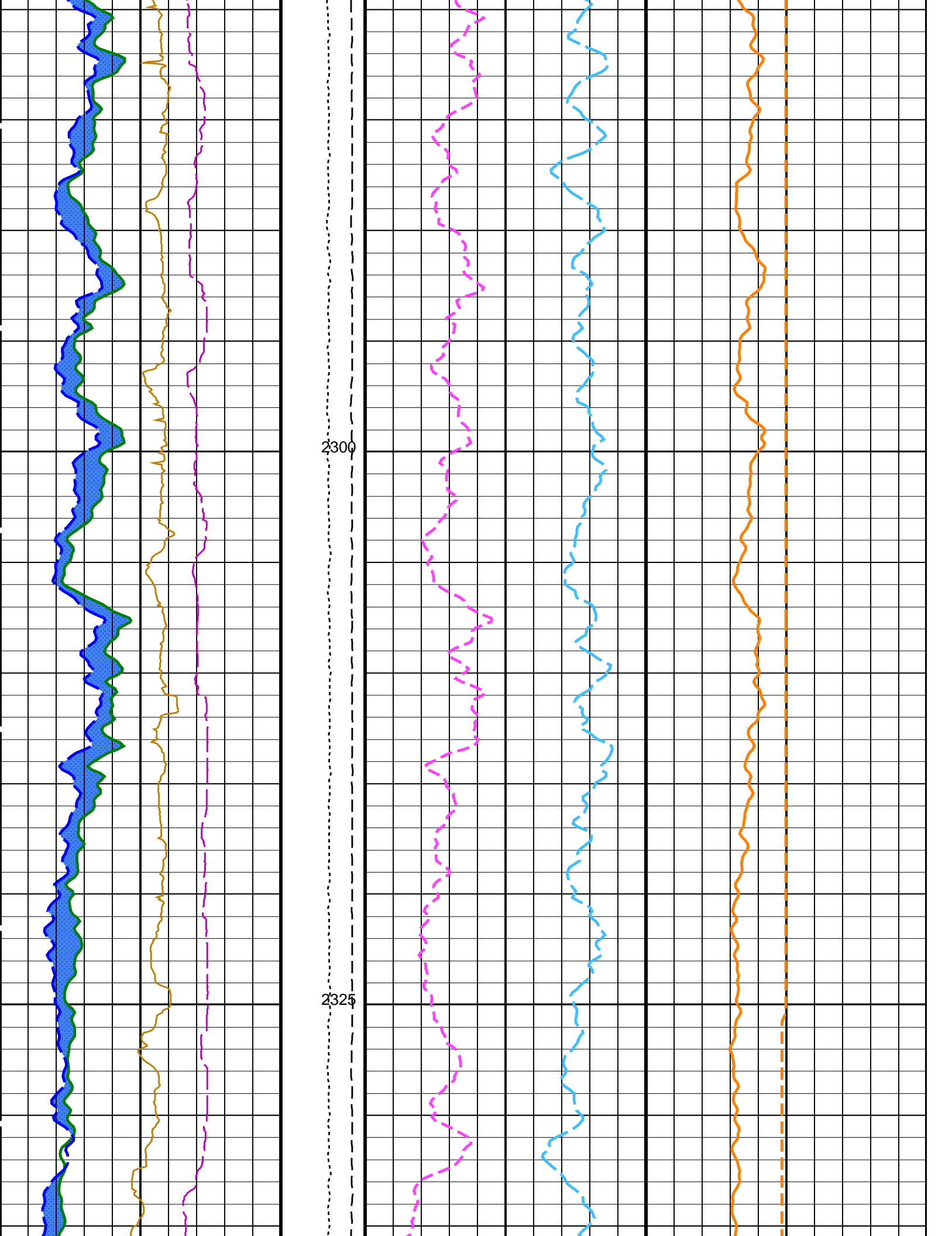
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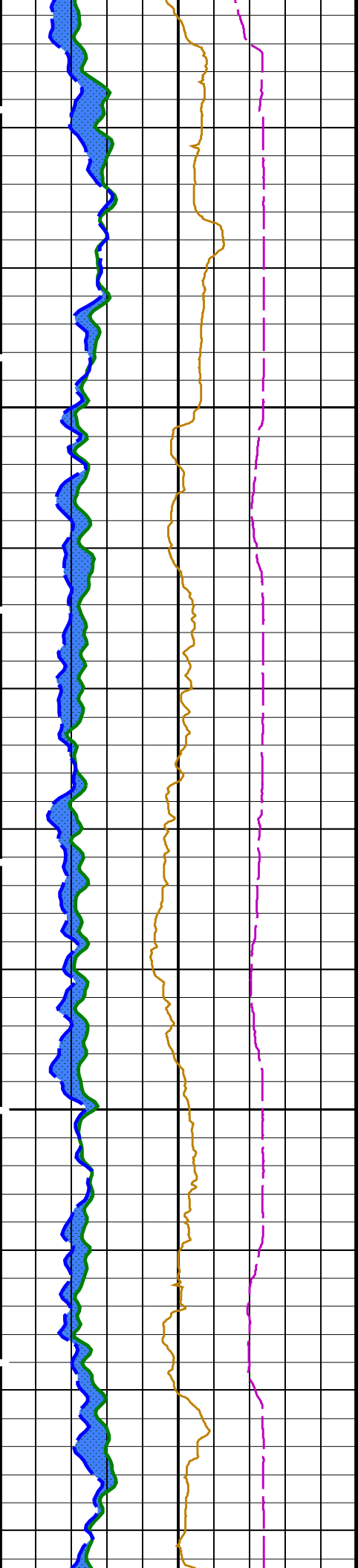
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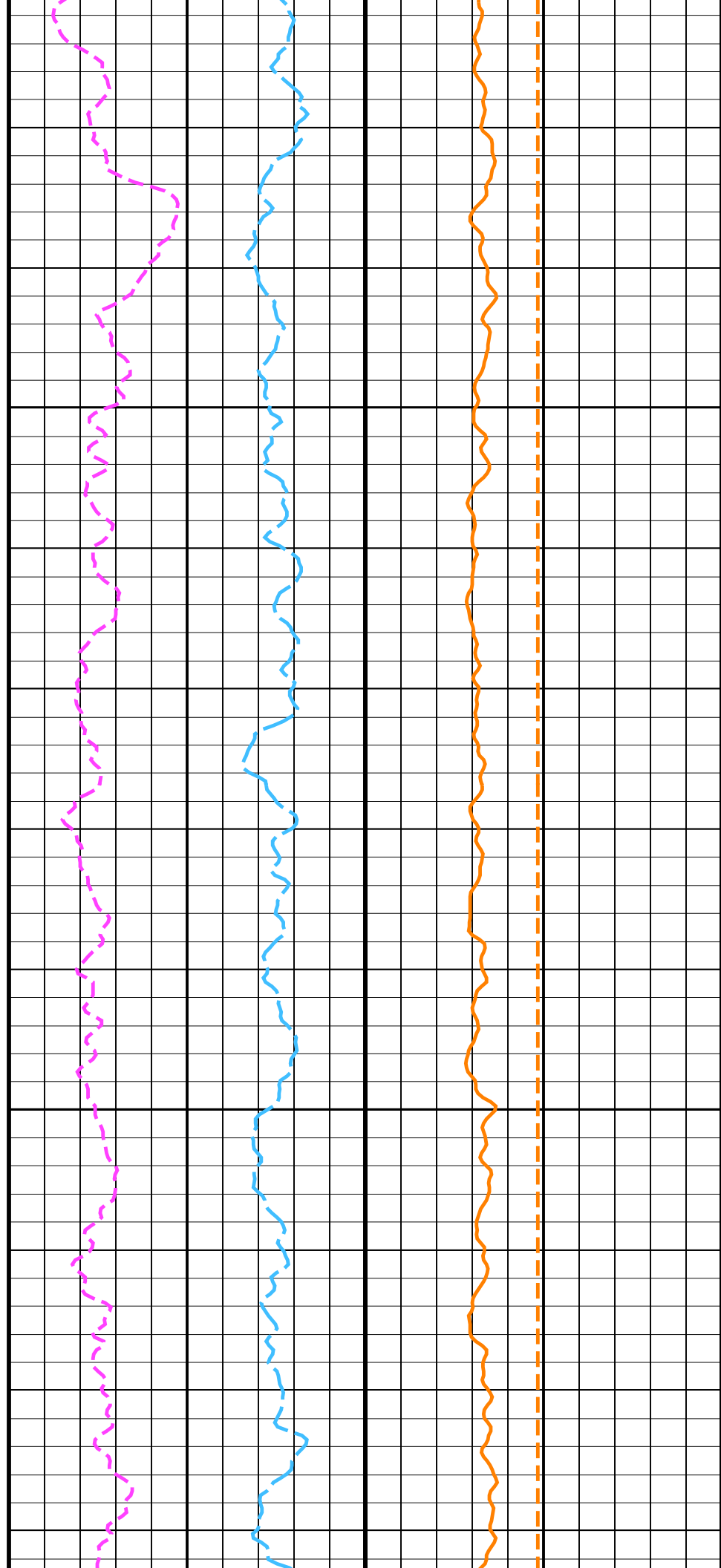


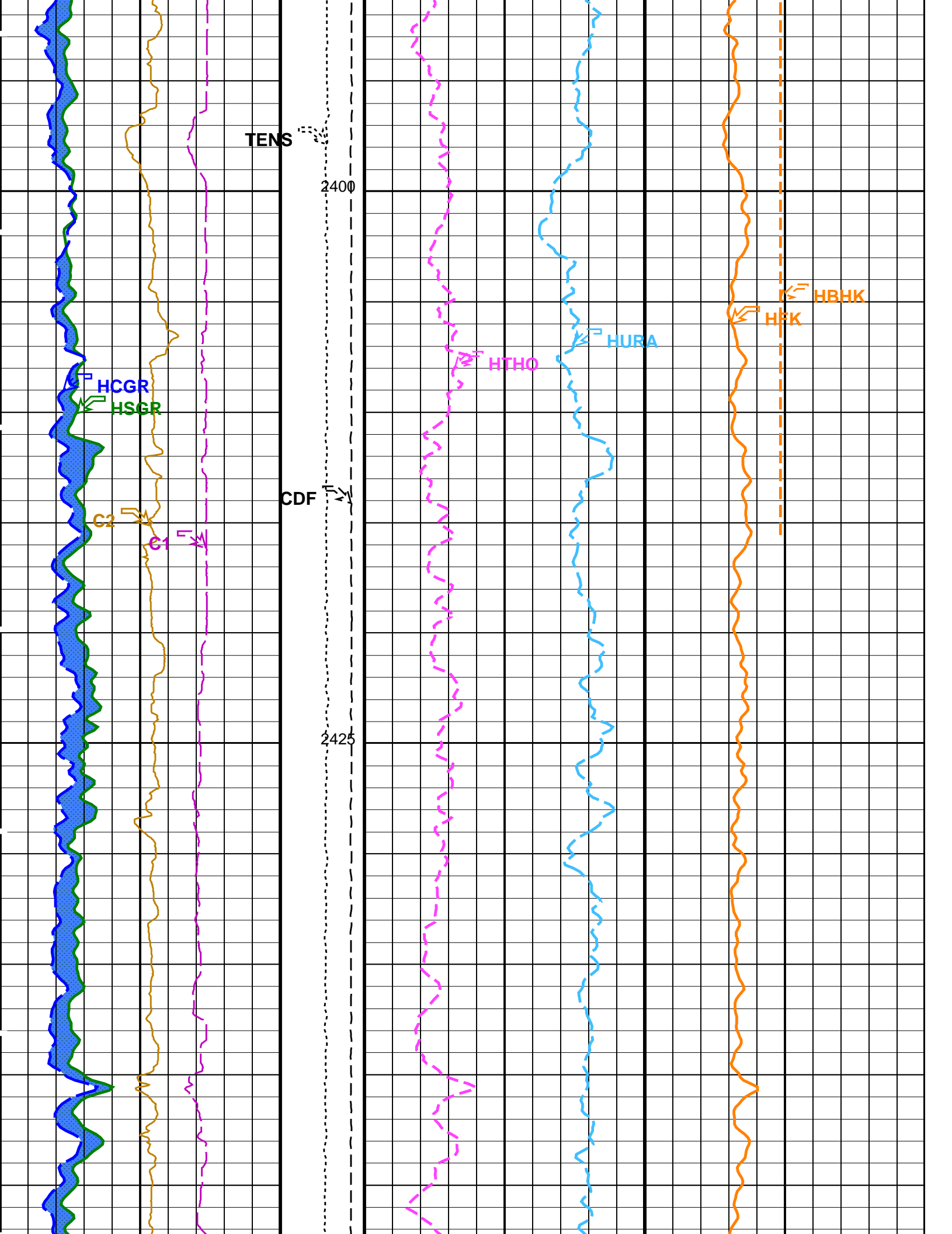


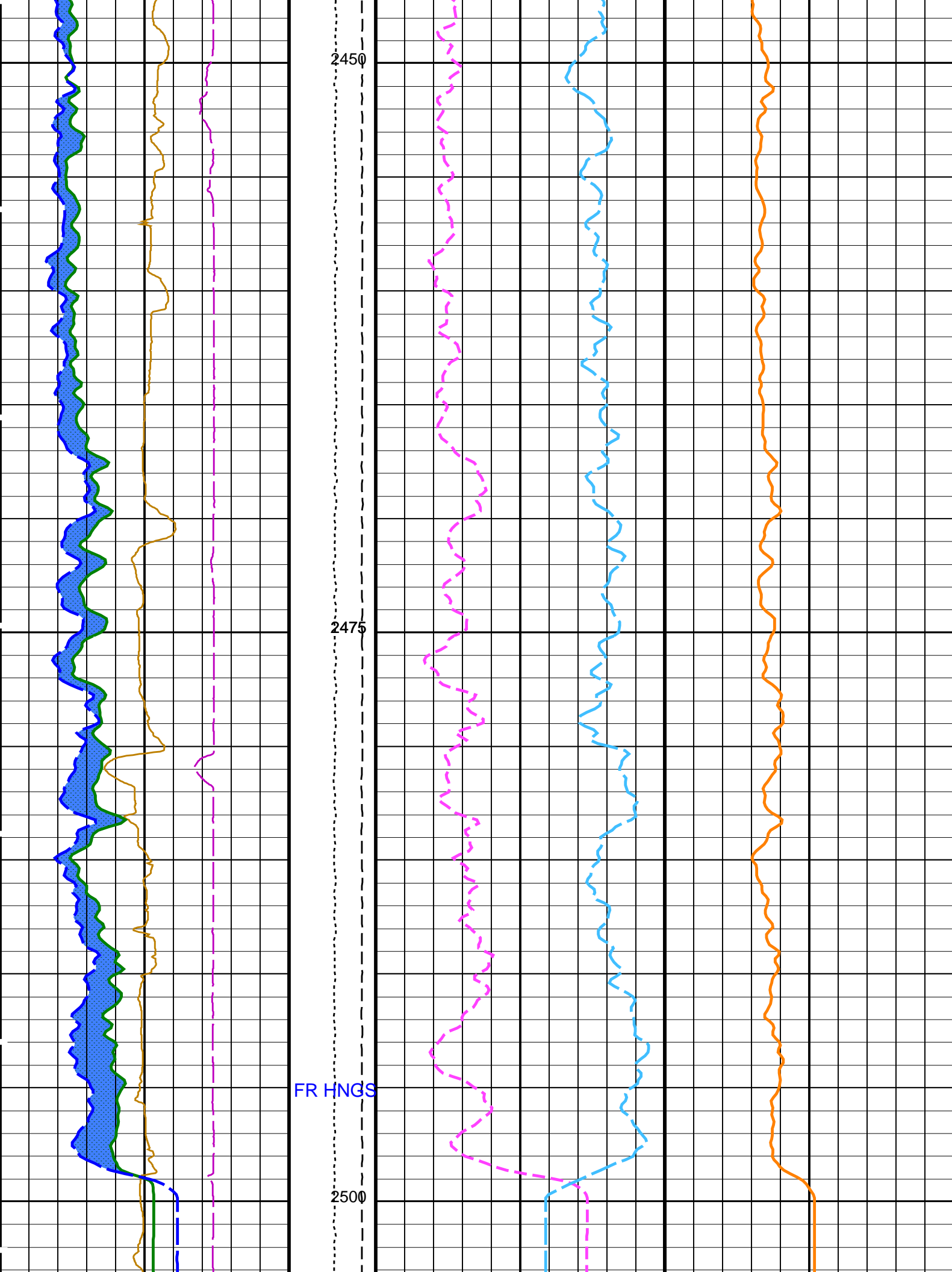


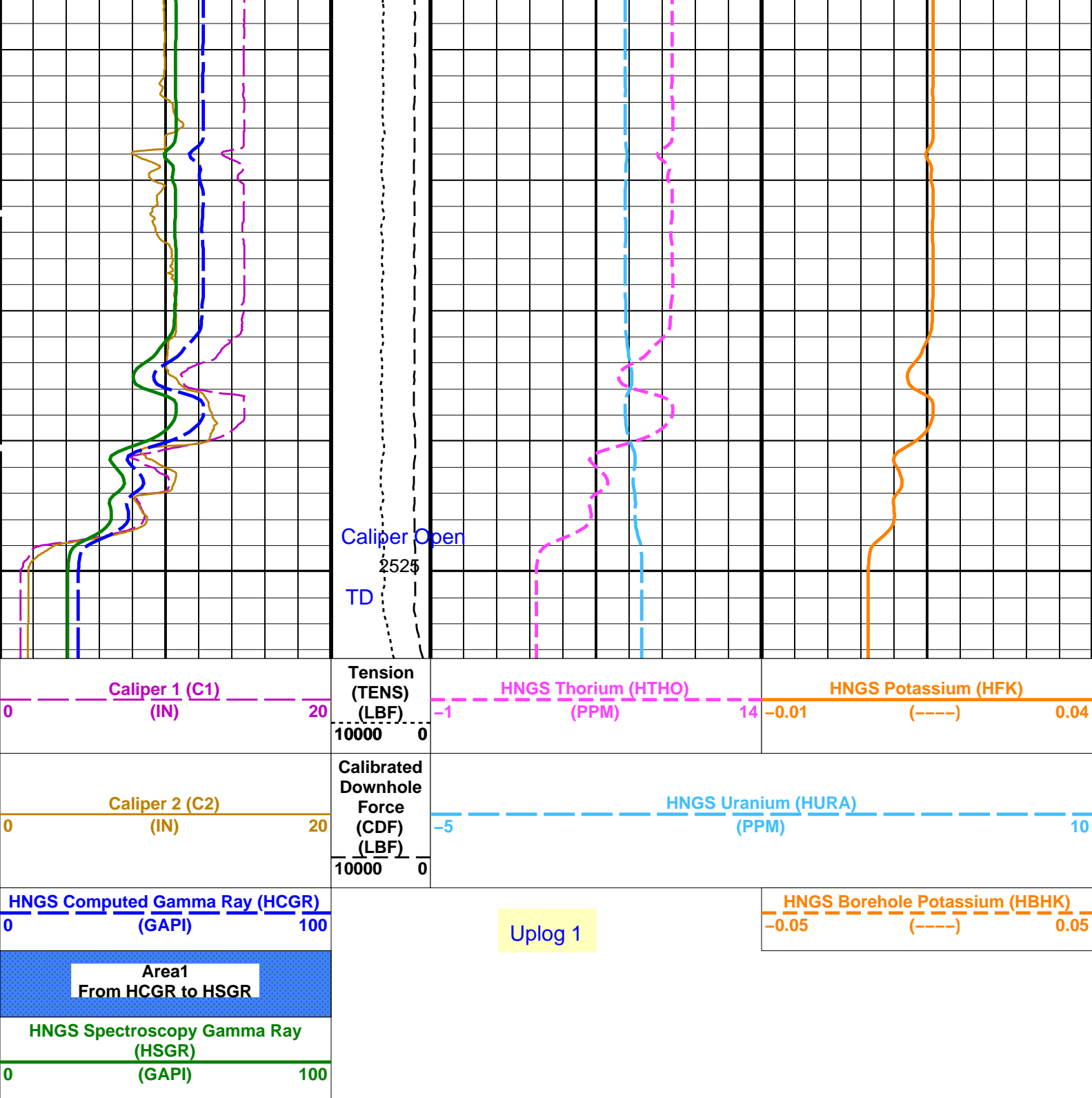
2350

2375









Time Mark Every 60 S

Parameters

DLIS Name

Description

Value

DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F

DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.000691722	
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	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.95358	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.972341	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 28-Jun-2021 22:40

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

Input DLIS Files

FMS_DSI_NGS_020LUP FN:33 28-Jun-2021 14:23 2528.3 M 2000.0 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_030PUP FN:45 PRODUCER 28-Jun-2021 22:40

Company: International Ocean Discovery Program Well: Expedition 395C, Site U1554E

Input DLIS Files

FMS_DSI_NGS_020LUP FN:33 28-Jun-2021 14:23 2528.3 M 2000.0 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_030PUP FN:45 PRODUCER 28-Jun-2021 22:40 2528.3 M 2000.1 M

OP System Version: 19C0-187

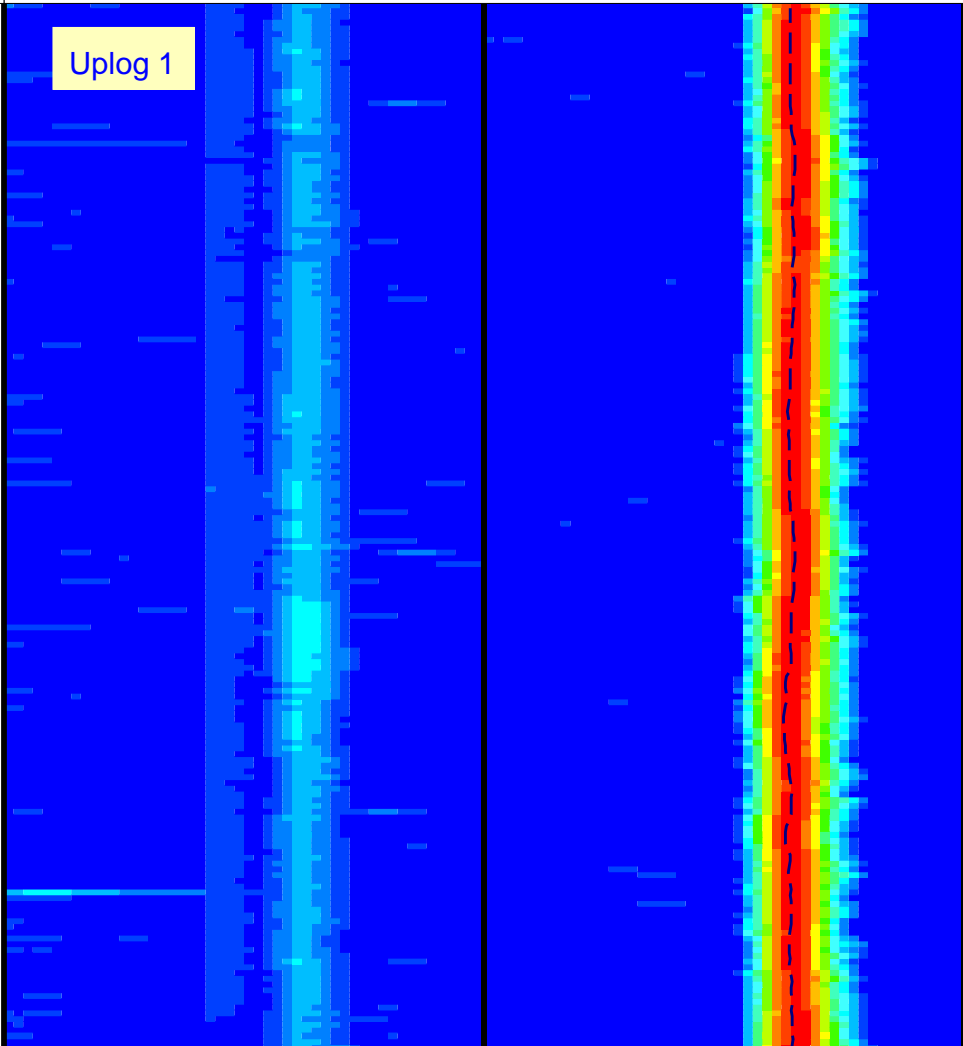
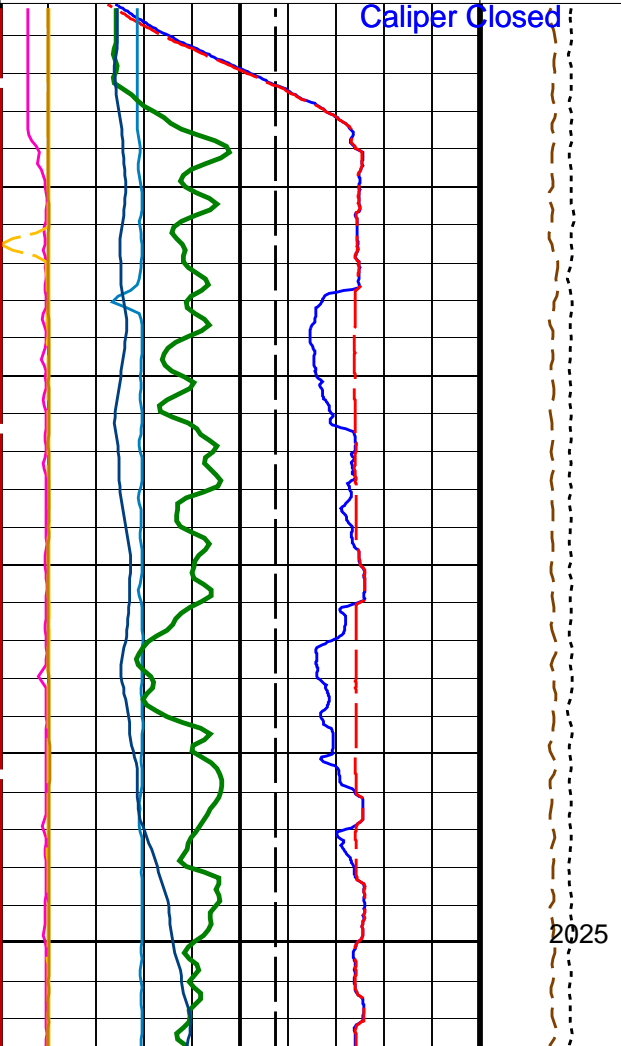
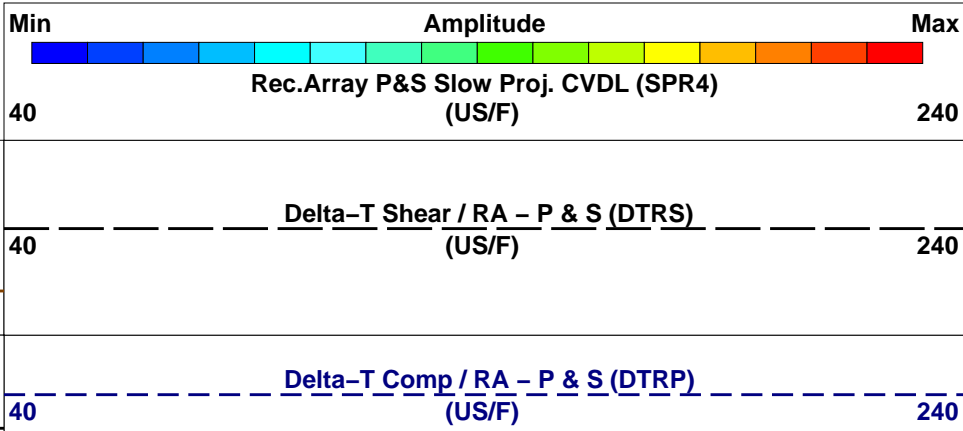
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DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

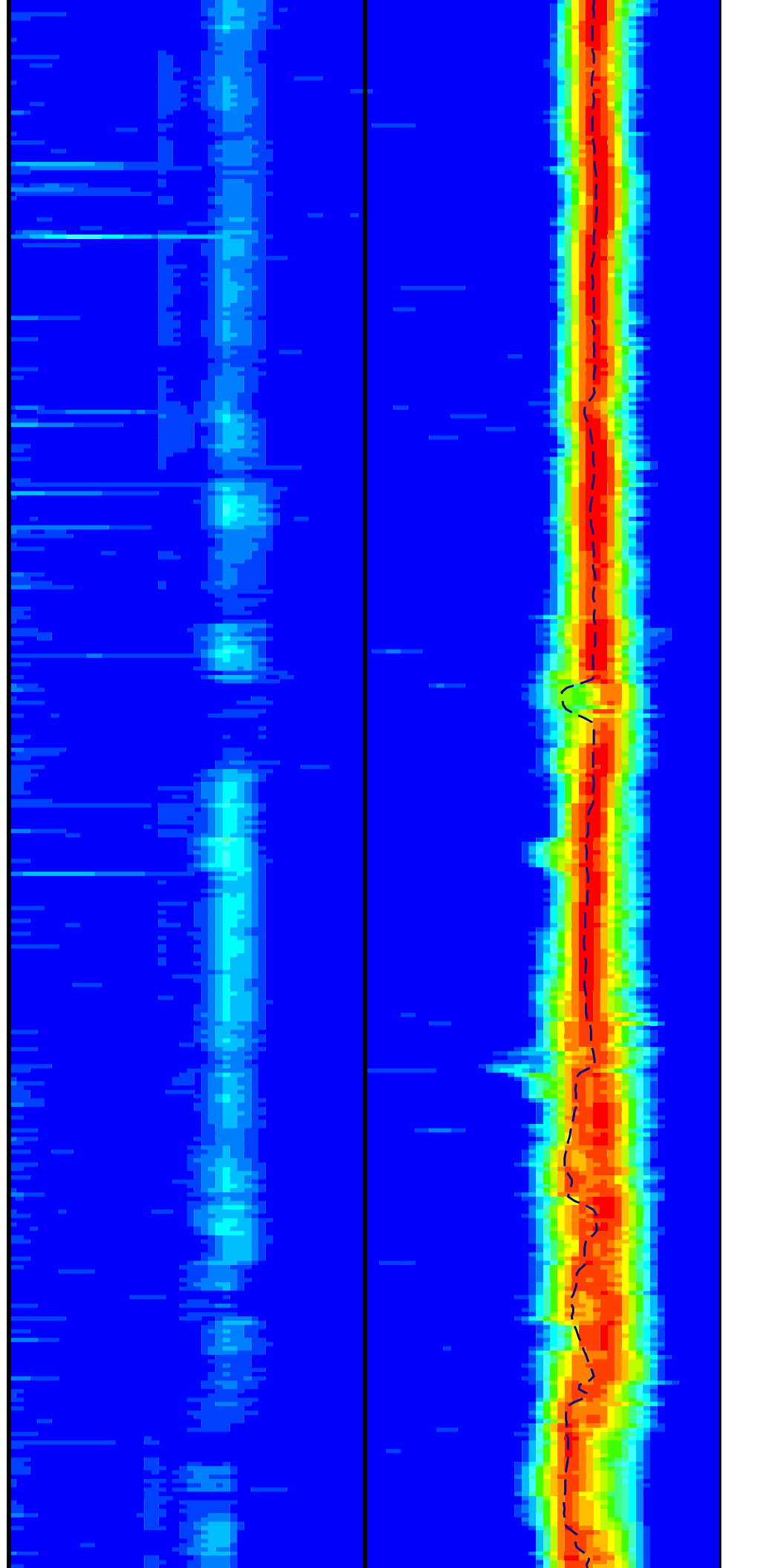
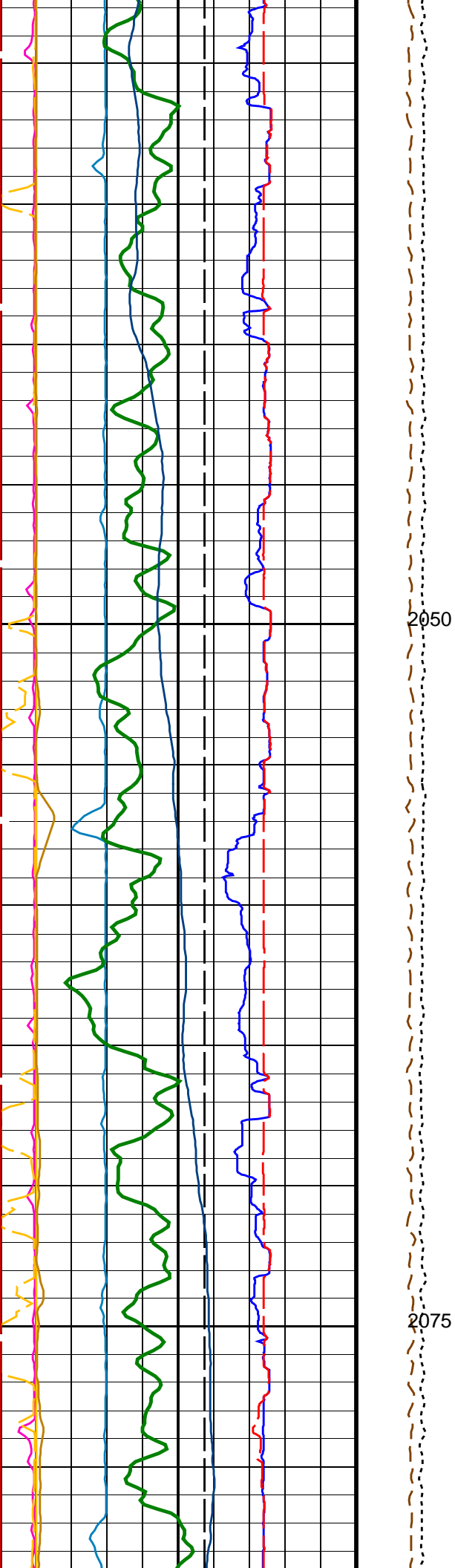
PIP SUMMARY

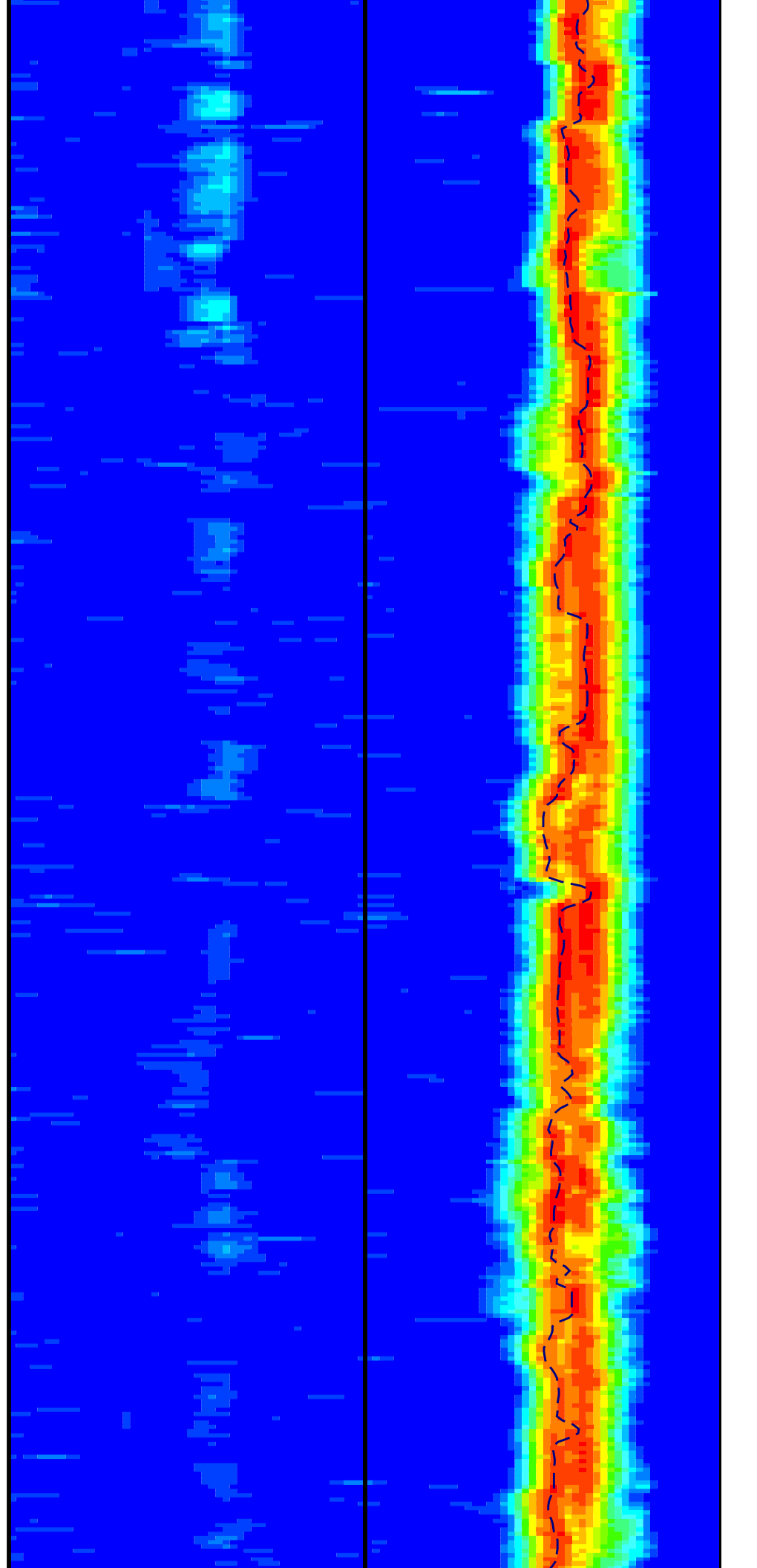
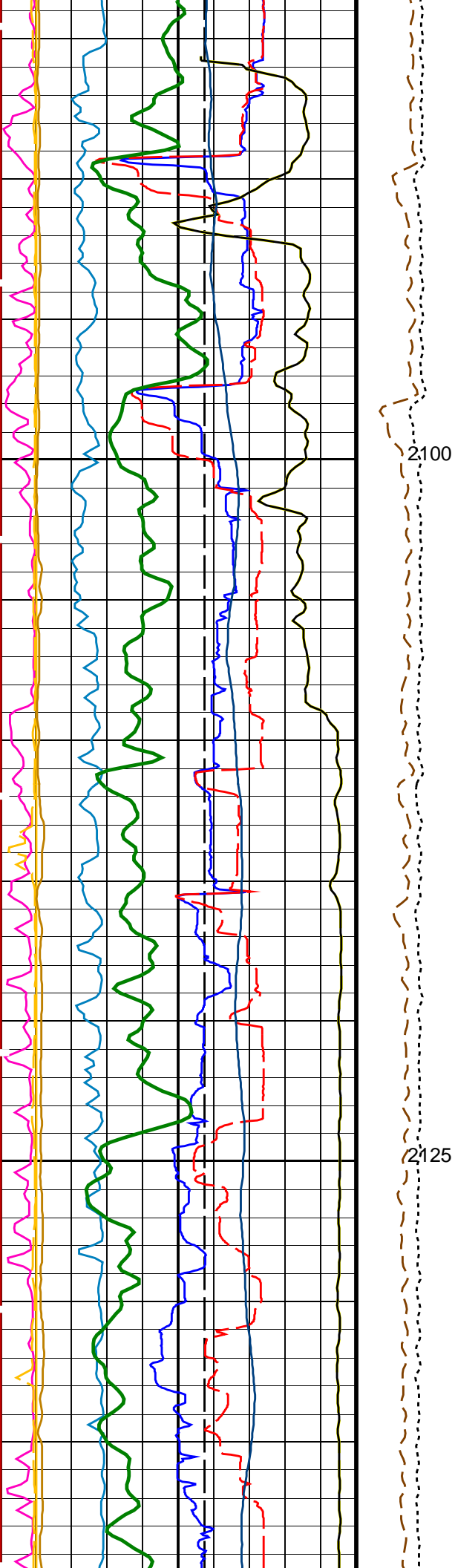
 Time Mark Every 60 S

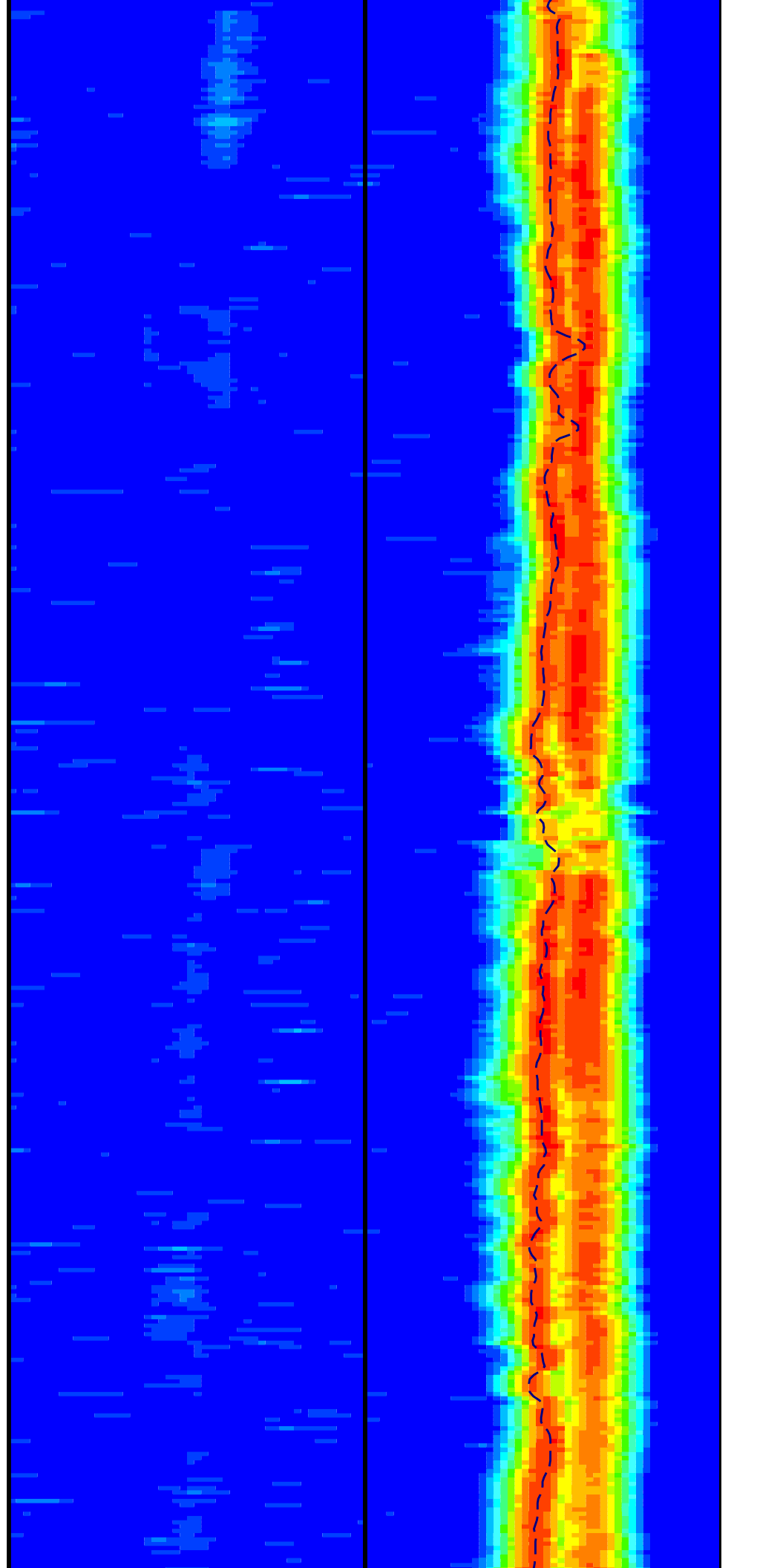
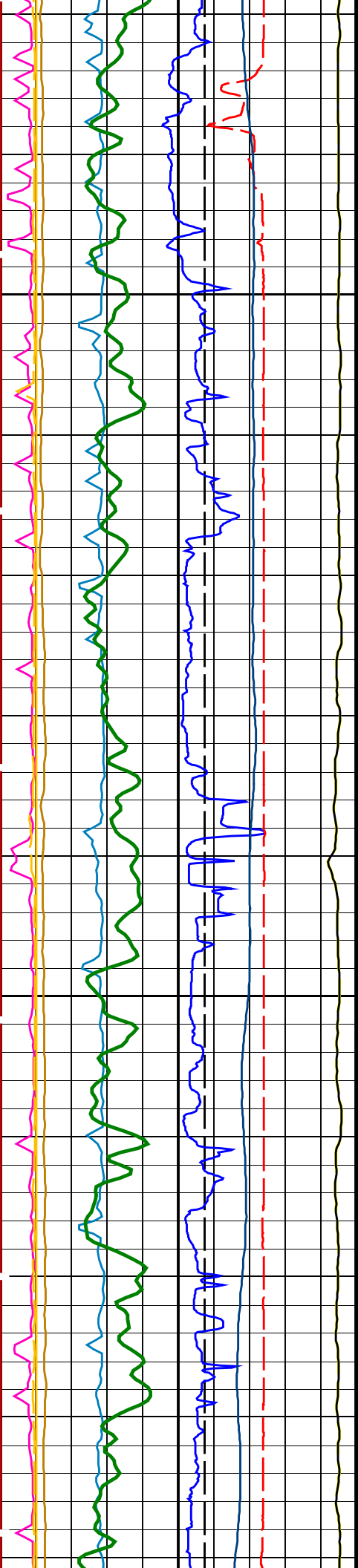
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / RA – P & S Comp (CHRP)		
0	(----)	10

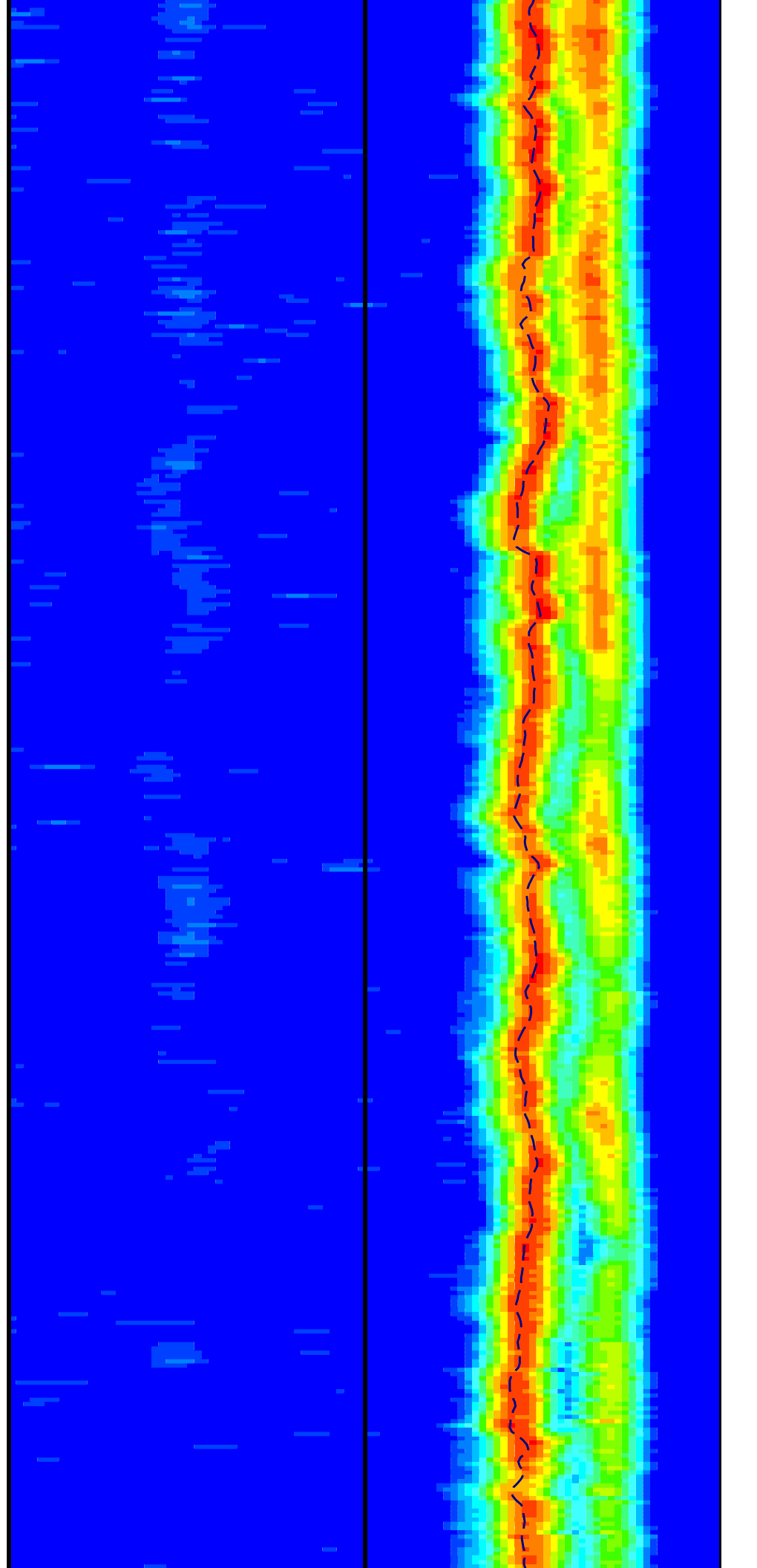
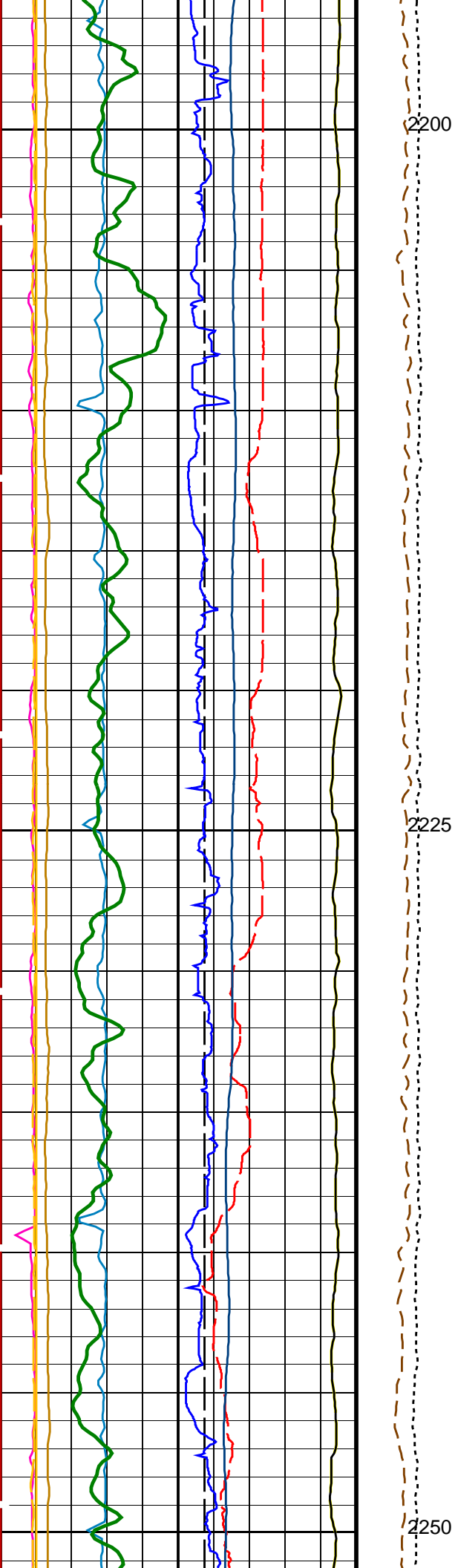
Peak Coherence / TA – Upper Dipole (CHT2)		
–2	(----)	8
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(----)	10
Poisson's Ratio (PR)		
0	(----)	0.5
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Sonde Deviation (SDEVM)		
0	(DEG)	10
Poisson's Ratio (PR)		
0	(----)	0.5
Caliper 1 (C1)		
0	(IN)	20
Caliper 2 (C2)		
0	(IN)	20
Bit Size (BS)		
0	(IN)	20

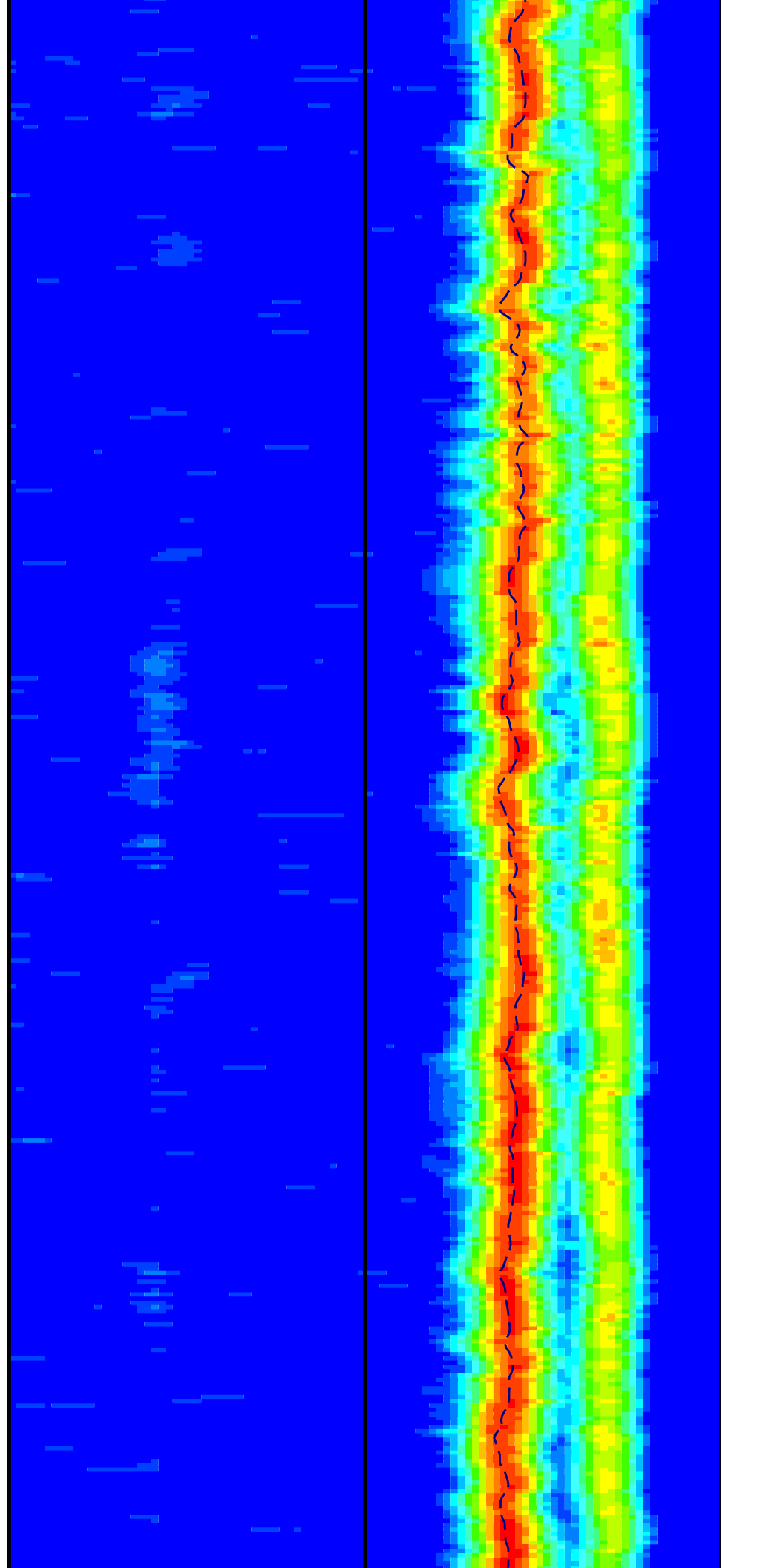
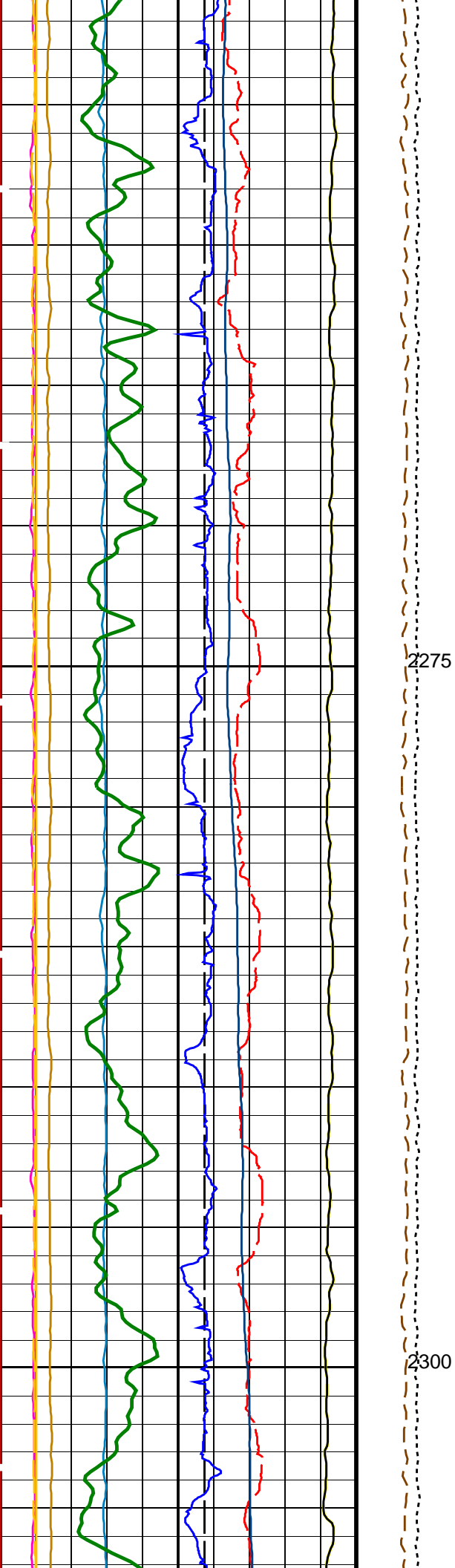


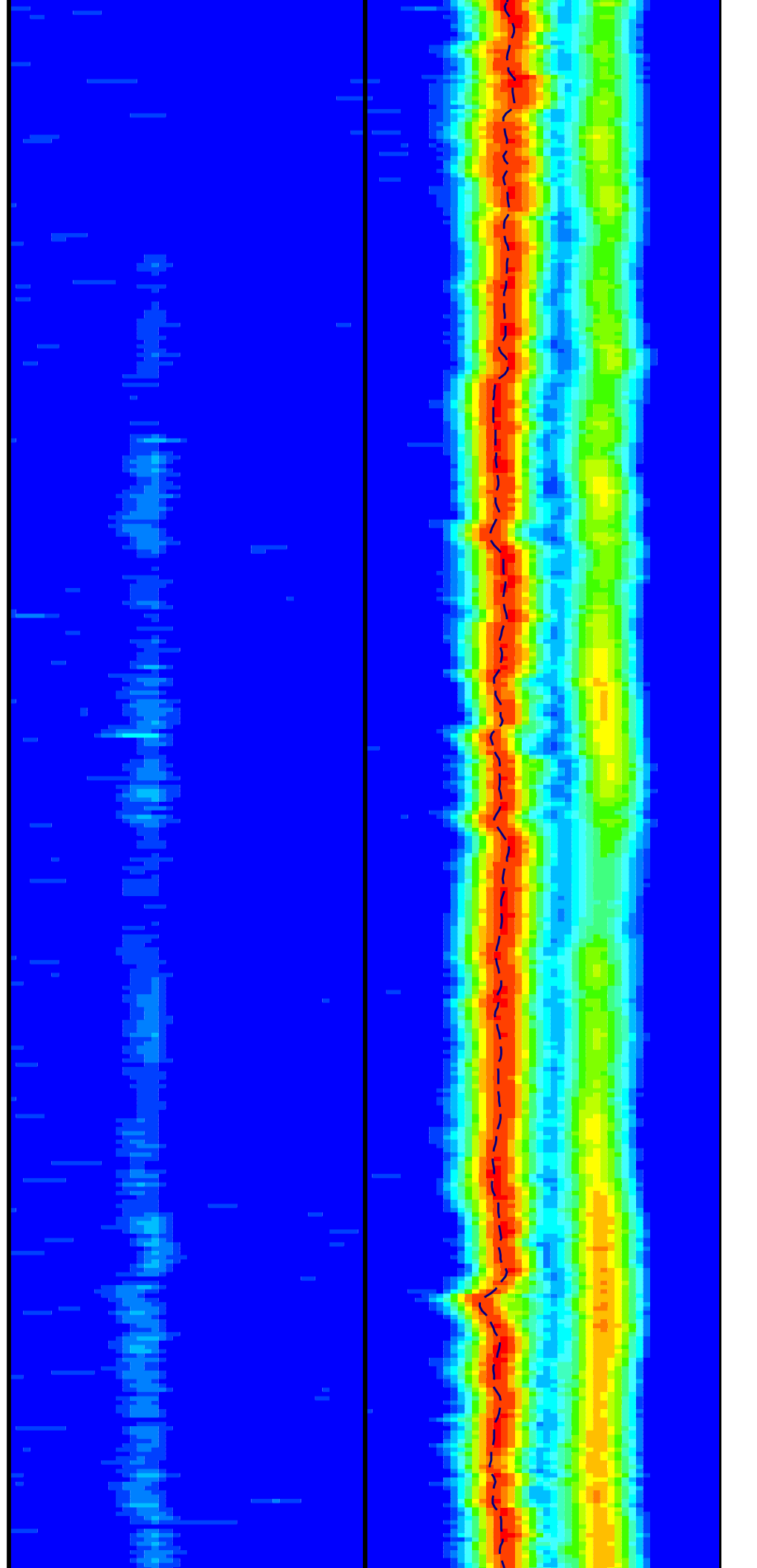
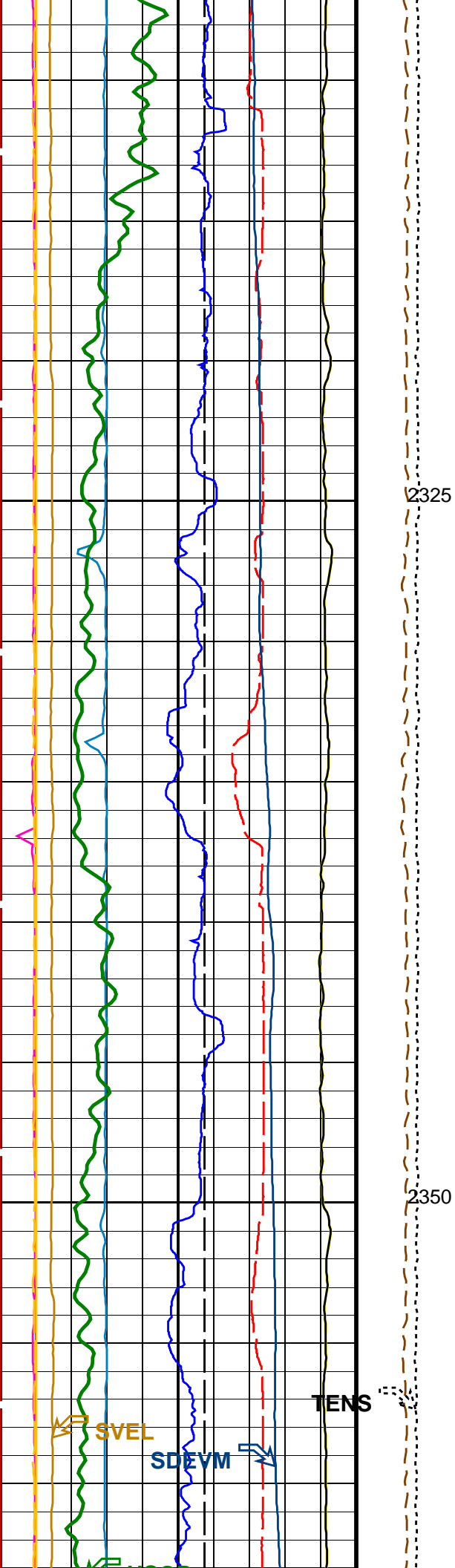


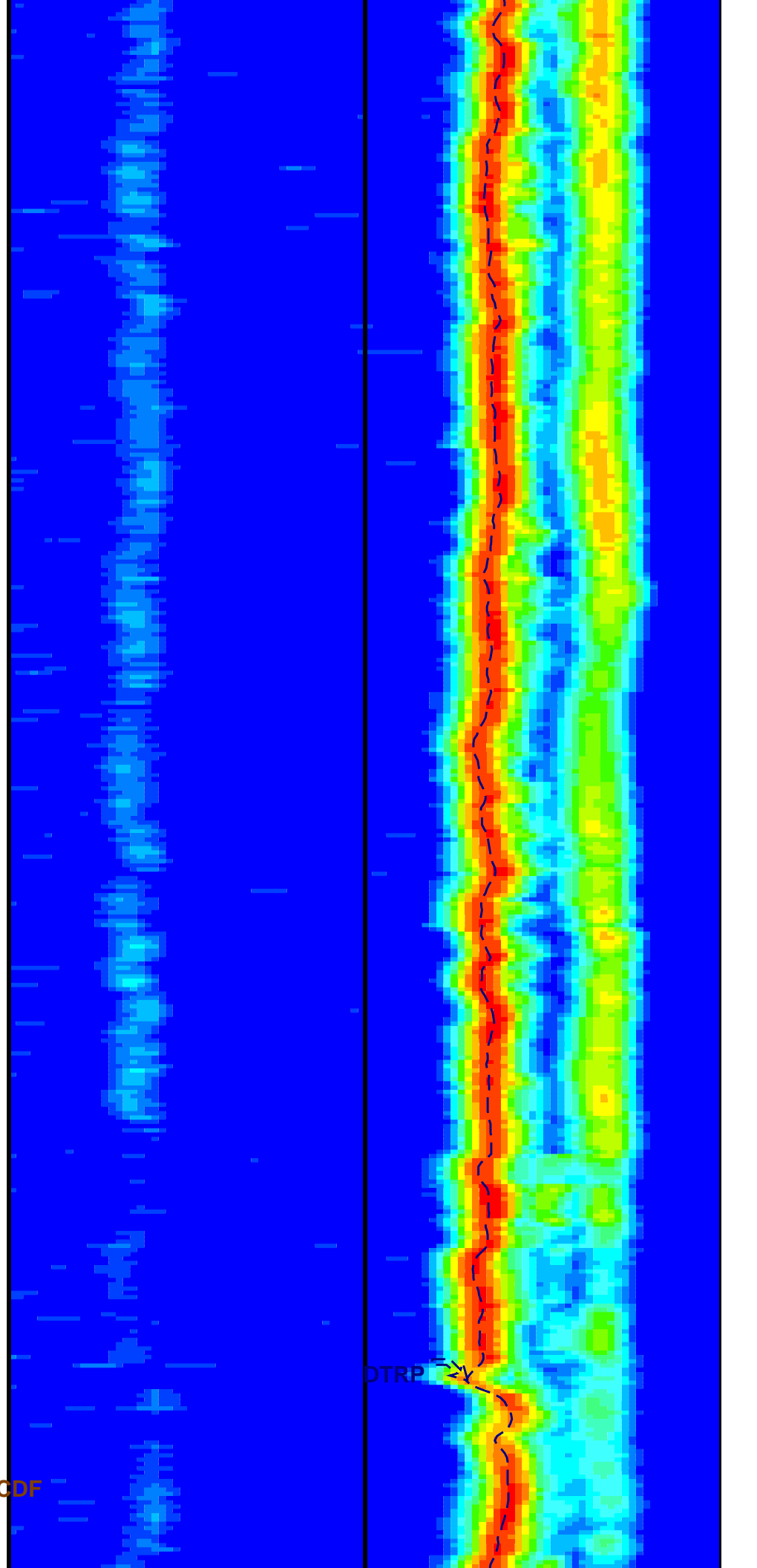
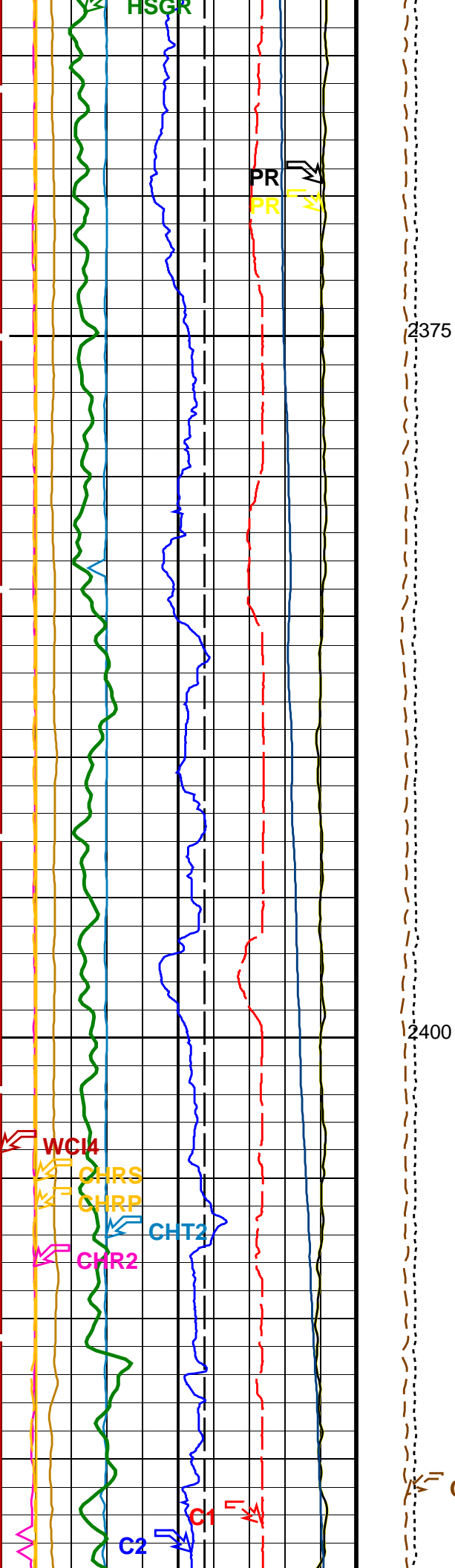


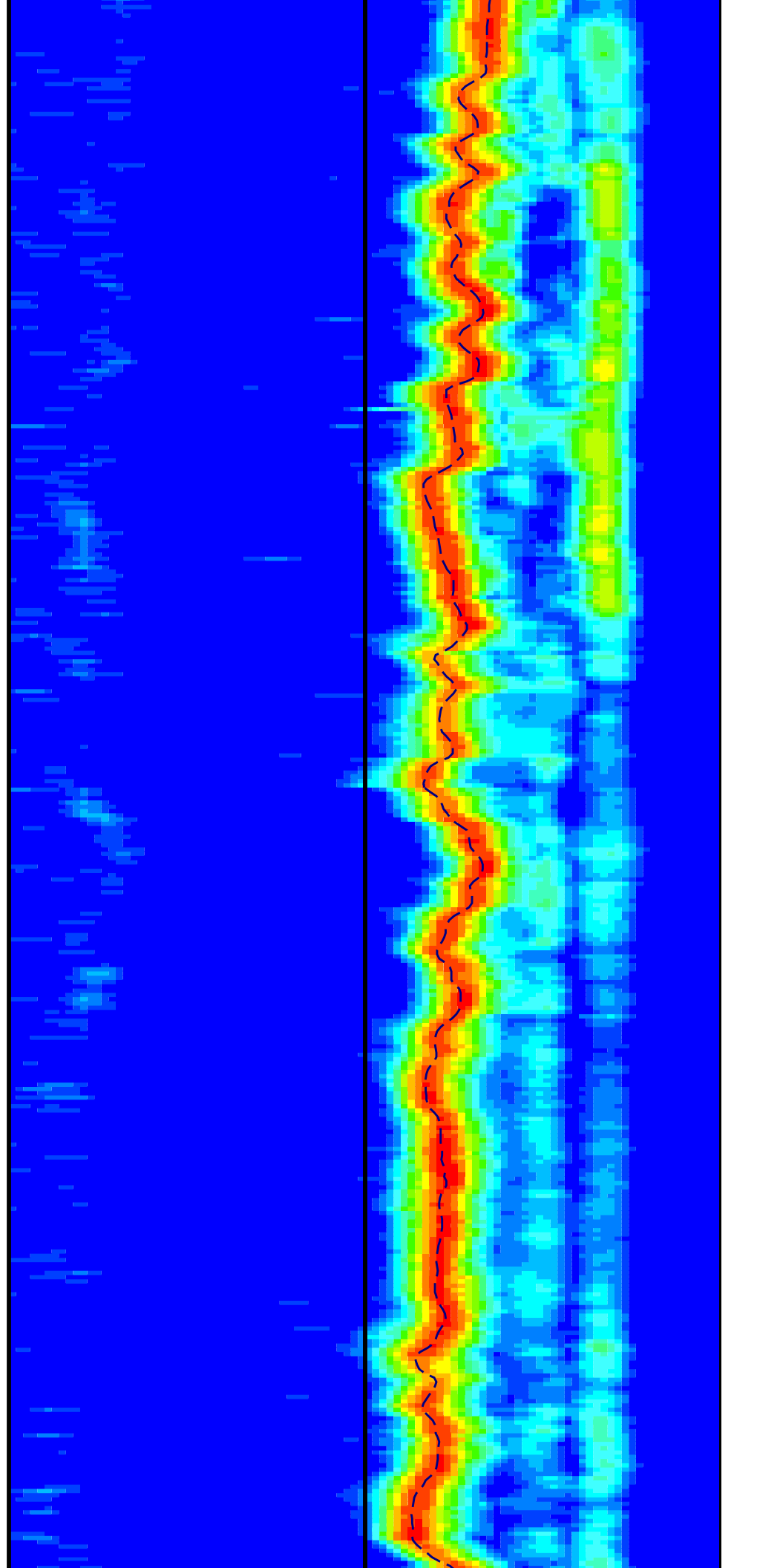
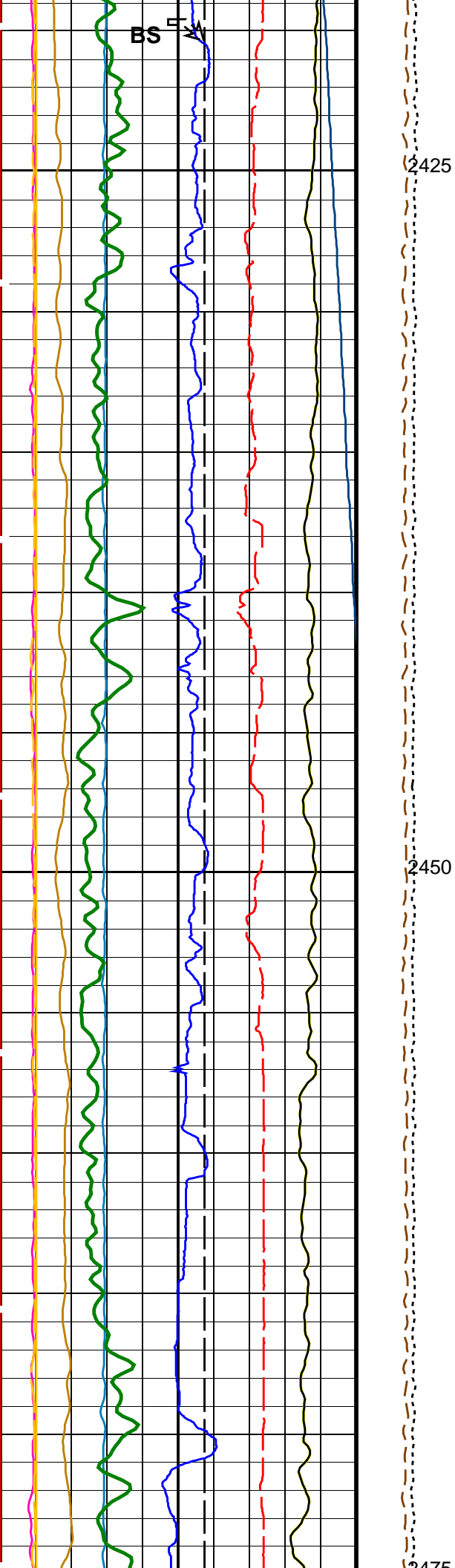


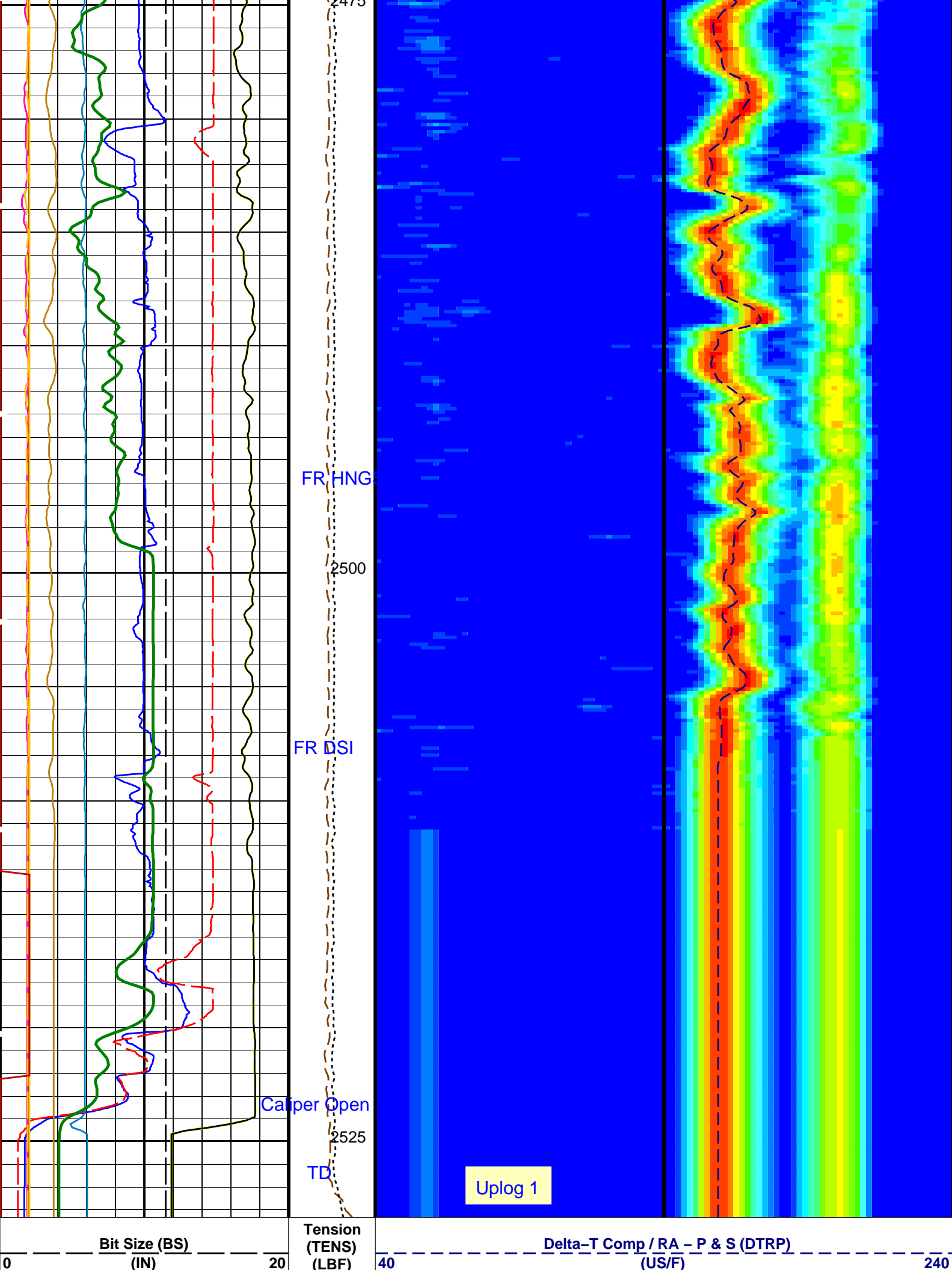












	10000	0	
Caliper 2 (C2) (IN)	0	20	Calibrated Downhole Force (CDF) (LBF)
	3000	0	Delta-T Shear / RA – P & S (DTRS) (US/F)
Caliper 1 (C1) (IN)	0	20	40
Poisson's Ratio (PR) (-----)	0	0.5	240
Sonde Deviation (SDEVM) (DEG)	0	10	Min
Sonic Velocity (SVEL) (M/S)	1000	6000	Amplitude
Poisson's Ratio (PR) (-----)	0	0.5	Max
Peak Coherence / RA – Upper Dipole (CHR2) (-----)	0	10	40
Peak Coherence / TA – Upper Dipole (CHT2) (-----)	-2	8	240
Peak Coherence / RA – P & S Comp (CHRP) (-----)	0	10	Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)
Peak Coherence / RA – P & S Shear (CHRS) (-----)	-1	9	
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4) (-----)	0	10	
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	0	100	

PIP SUMMARY			
	Time Mark Every 60 S		

Parameters			
DLIS Name	Description	Value	
MEST-B: Micro Electrical Scanner – B (Slim)			
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	-13.1645	DEG
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	130	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	190	US/F
DDE4	Digitizing Delay 4	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
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCS Channel	PS_COMP	
DTE	Delta-T Fluid	212	US/F

DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE	
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	C1	
LFC	Label Formation Character – Monopole P&S	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
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	
SAS2	STC Sonic Array Status – Upper Dipole	255	
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	230	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
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
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
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM4	Waveform Mode 4	W1	
HNGB–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGB Detector 1 Barite Constant	1	
BAR2	HNGB Detector 2 Barite Constant	1	
BHK	HNGB Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGB Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	–0.000691722	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGB Processing Enable	YES	
S1BI	HNGB Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGB Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGB Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGB Detector 1 Variable Barite Factor Running Average	0.95358	
VBA2	HNGB Detector 2 Variable Barite Factor Running Average	0.972341	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

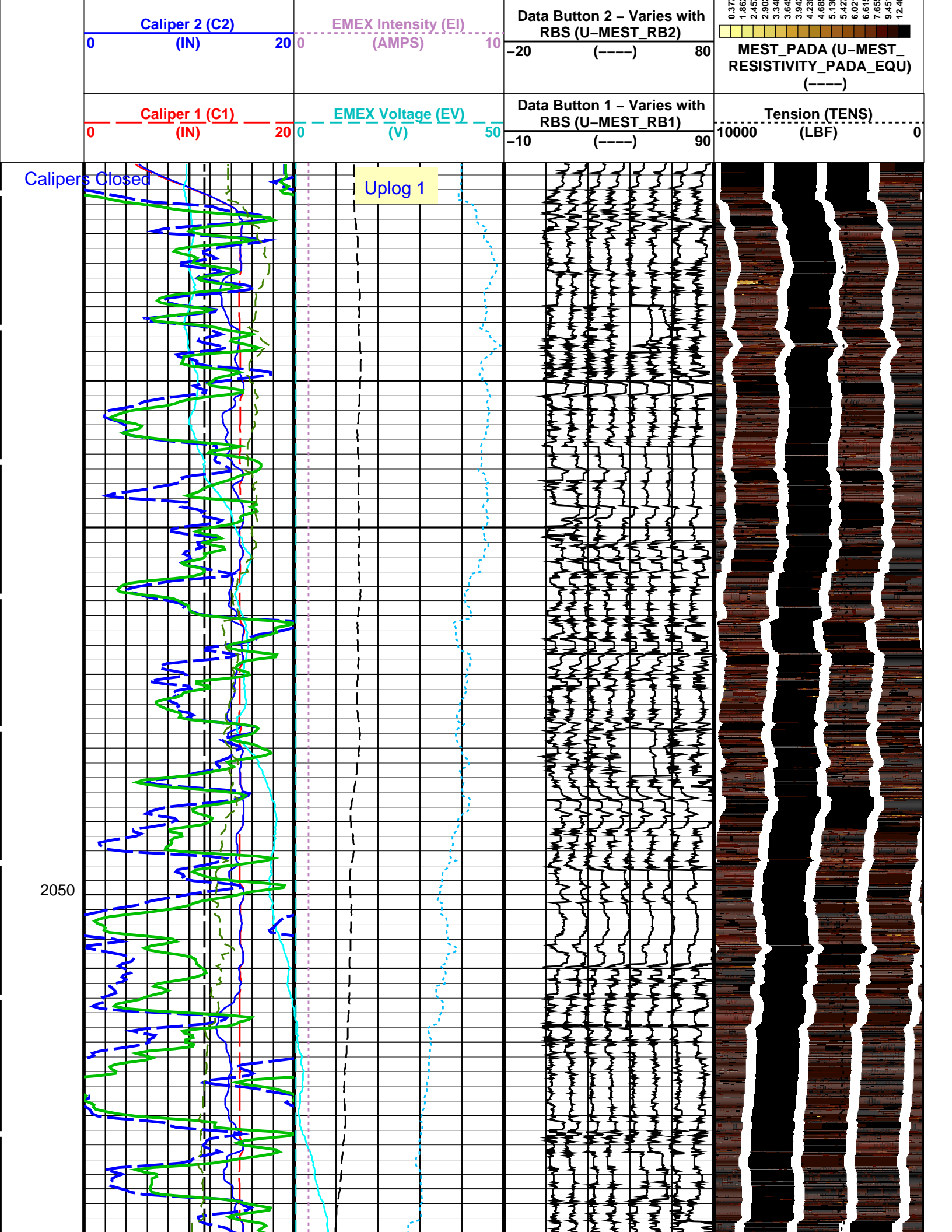
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Output DLIS Files					
DEFAULT	FMS_DSI_NGS_030PUP	FN:45	PRODUCER	28-Jun-2021 22:40	

Company: International Ocean Discovery Program				Well: Expedition 395C, Site U1554E	
Input DLIS Files					
FMS_DSI_NGS_020LUP		FN:33	28-Jun-2021 14:23	2528.3 M	2000.0 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_030PUP	FN:45	PRODUCER	28-Jun-2021 22:40	2528.3 M 2000.1 M
OP System Version: 19C0-187					
MEST-B	19C0-187	DTA-A	19C0-187		
DSST-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	DTC-H	19C0-187		

PIP SUMMARY					
Time Mark Every 60 S					
<div><div>HNGS Spectroscopy Gamma Ray (HSGR)</div><div>0 (GAPI) 25</div></div>					
<div><div>HNGS Computed Gamma Ray (HCGR)</div><div>0 (GAPI) 25</div></div>					
<div><div>Bit Size (BS)</div><div>0 (IN) 20</div></div>					
<div><div>Relative Bearing (RB_MEST)</div><div>-40 (DEG) 360</div></div>					
<div><div>Pad One Azimuth (P1AZ_MEST)</div><div>-40 (DEG) 360</div></div>					
<div><div>Hole Azimuth (HAZIM)</div><div>-40 (DEG) 360</div></div>					
<div><div>Deviation (DEVIM)</div><div>0 (DEG) 10</div></div>					
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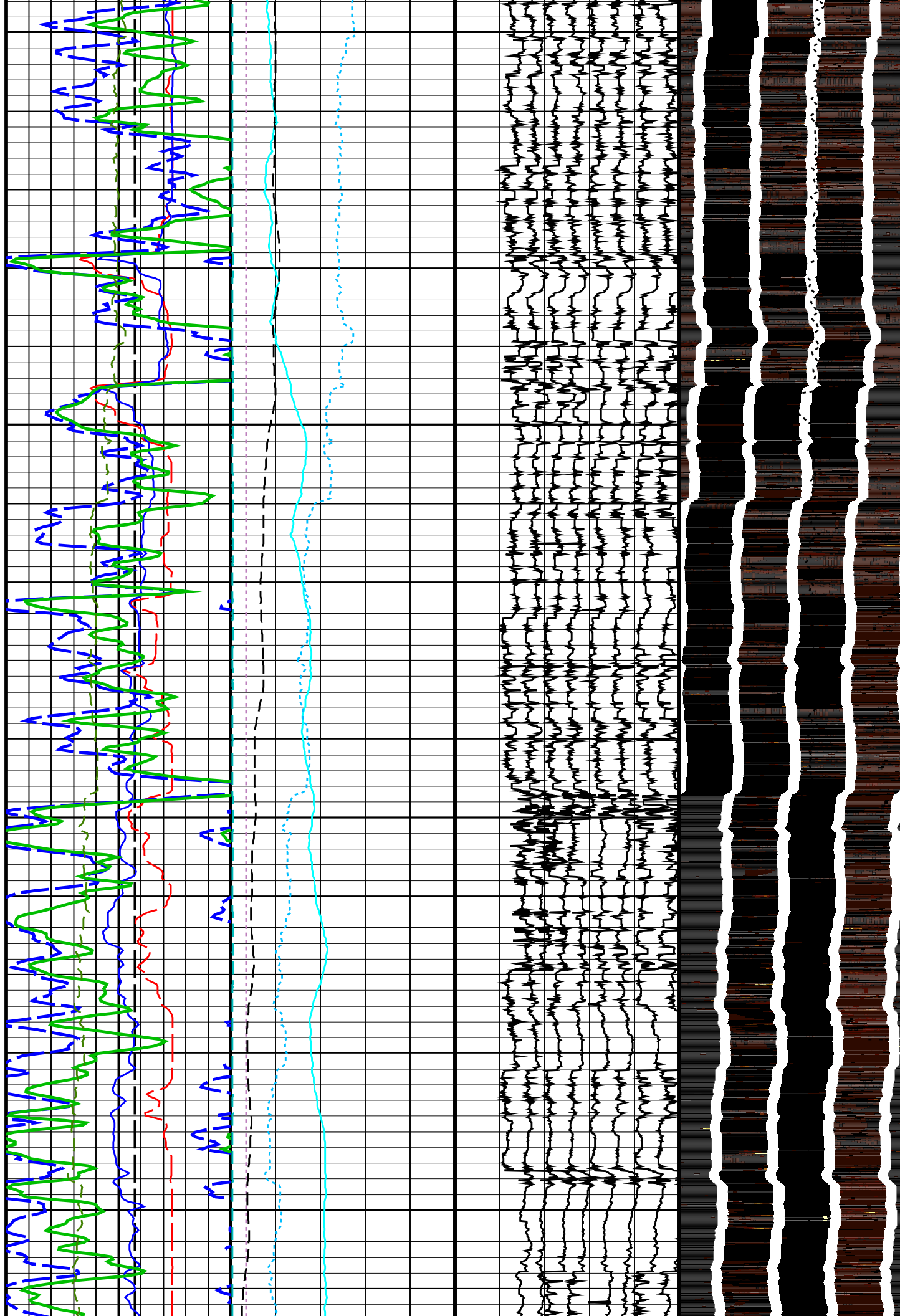
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-80	(----) 20
Data Button 7 – Varies with RBS (U-MEST_RB7)	
-70	(----) 30
Data Button 6 – Varies with RBS (U-MEST_RB6)	
-60	(----) 40
Data Button 5 – Varies with RBS (U-MEST_RB5)	
-50	(----) 50
Data Button 4 – Varies with RBS (U-MEST_RB4)	
-40	(----) 60
Data Button 3 – Varies with RBS (U-MEST_RB3)	
-30	(----) 70

0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086	<div></div>	MEST_PADD (U-MEST_RESISTIVITY_PADD_EQU) (----)
0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086	<div></div>	MEST_PADC (U-MEST_RESISTIVITY_PADC_EQU) (----)
0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086	<div></div>	MEST_PADB (U-MEST_RESISTIVITY_PADB_EQU) (----)

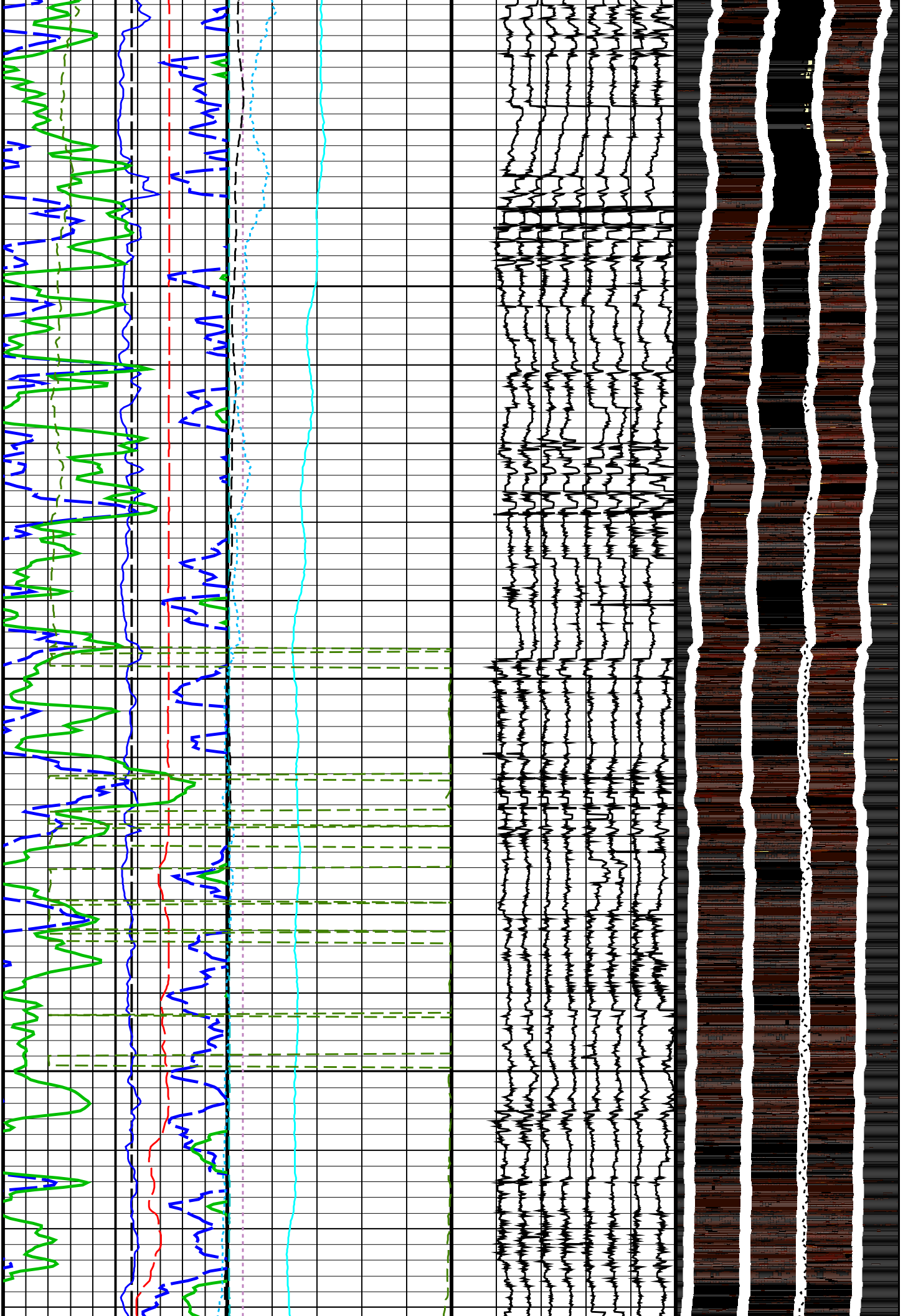


2100

2150

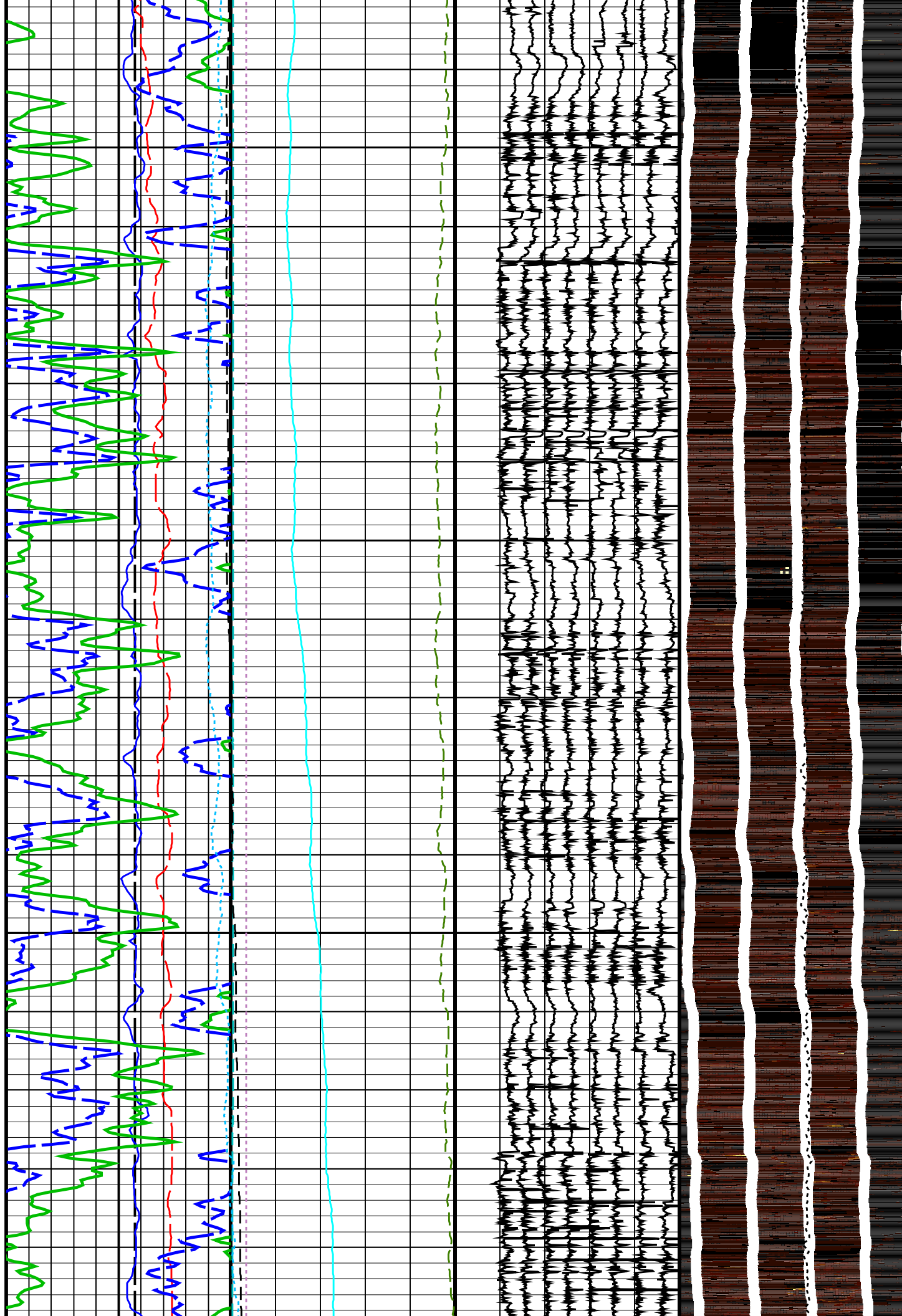


2200



2250

2300



2350

2400

RB_MEST

P1AZ_MEST

HCGR

HSCR

HAZIM

PadD wrapped by P1AZ

PadC

PadB wrapped by P1AZ

PadA wrapped by P1AZ

U-MEST RB8

U-MEST RB7

U-MEST RB6

U-MEST RB5

U-MEST RB4

U-MEST RB3

U-MEST RB2

U-MEST RB1

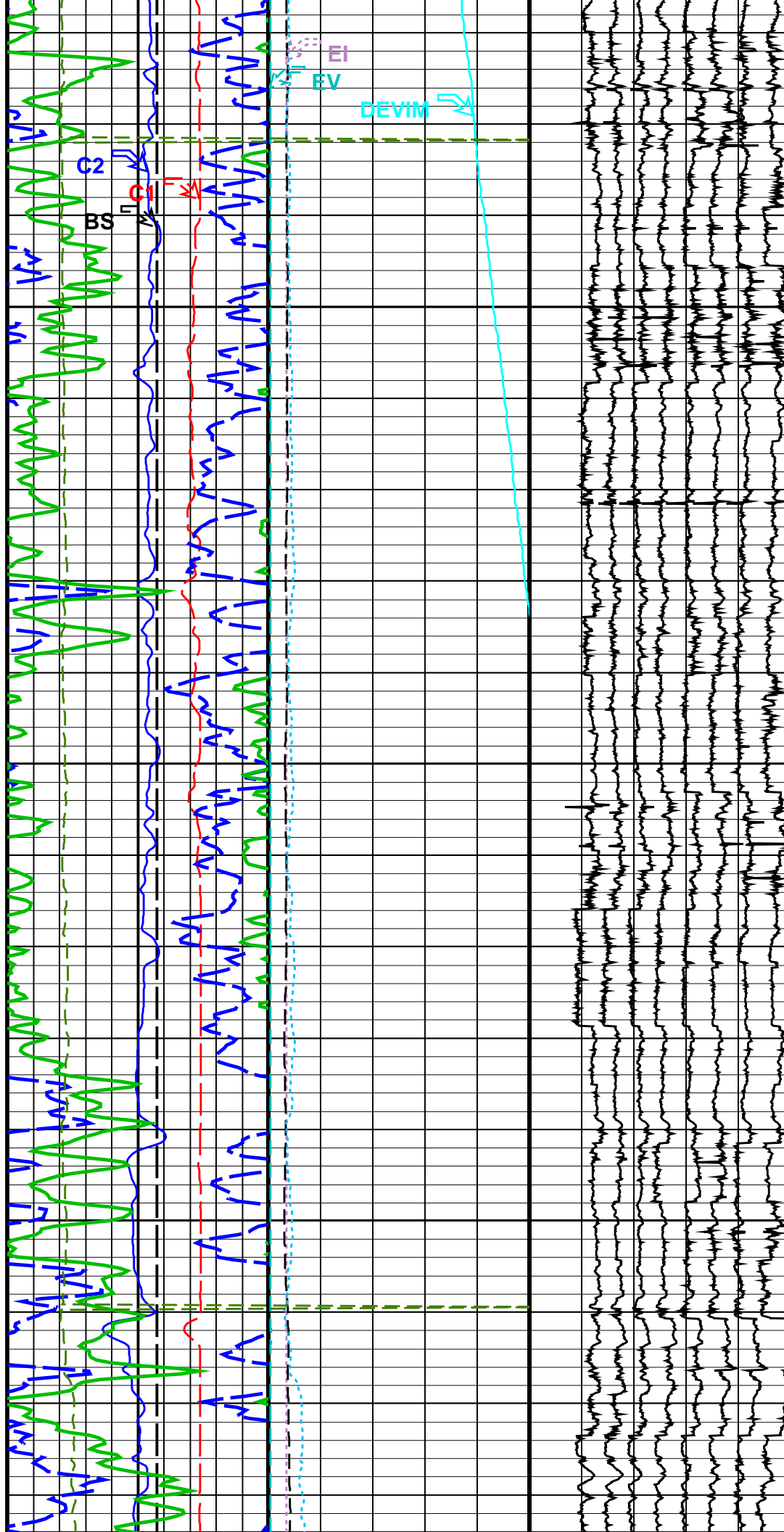
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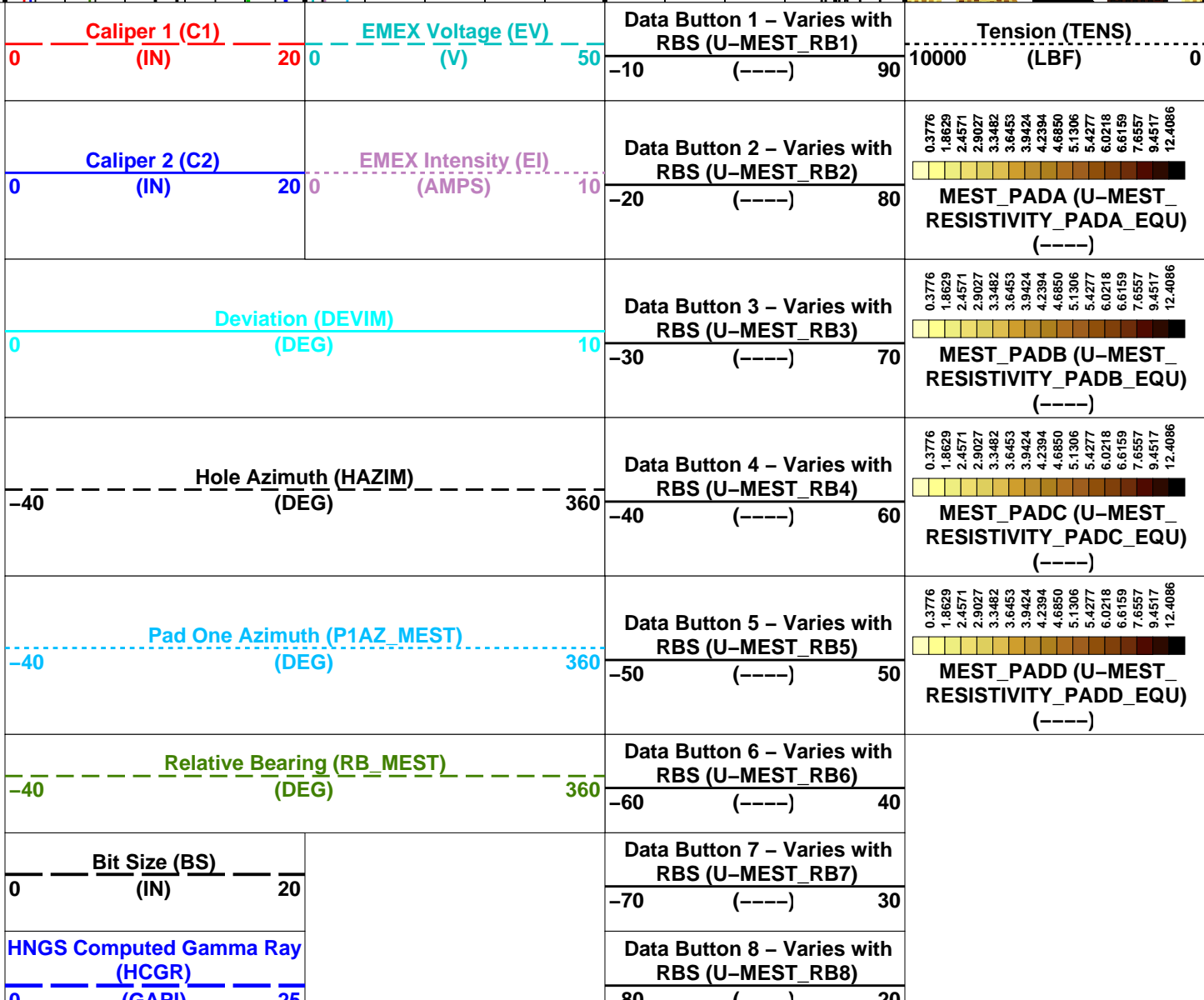
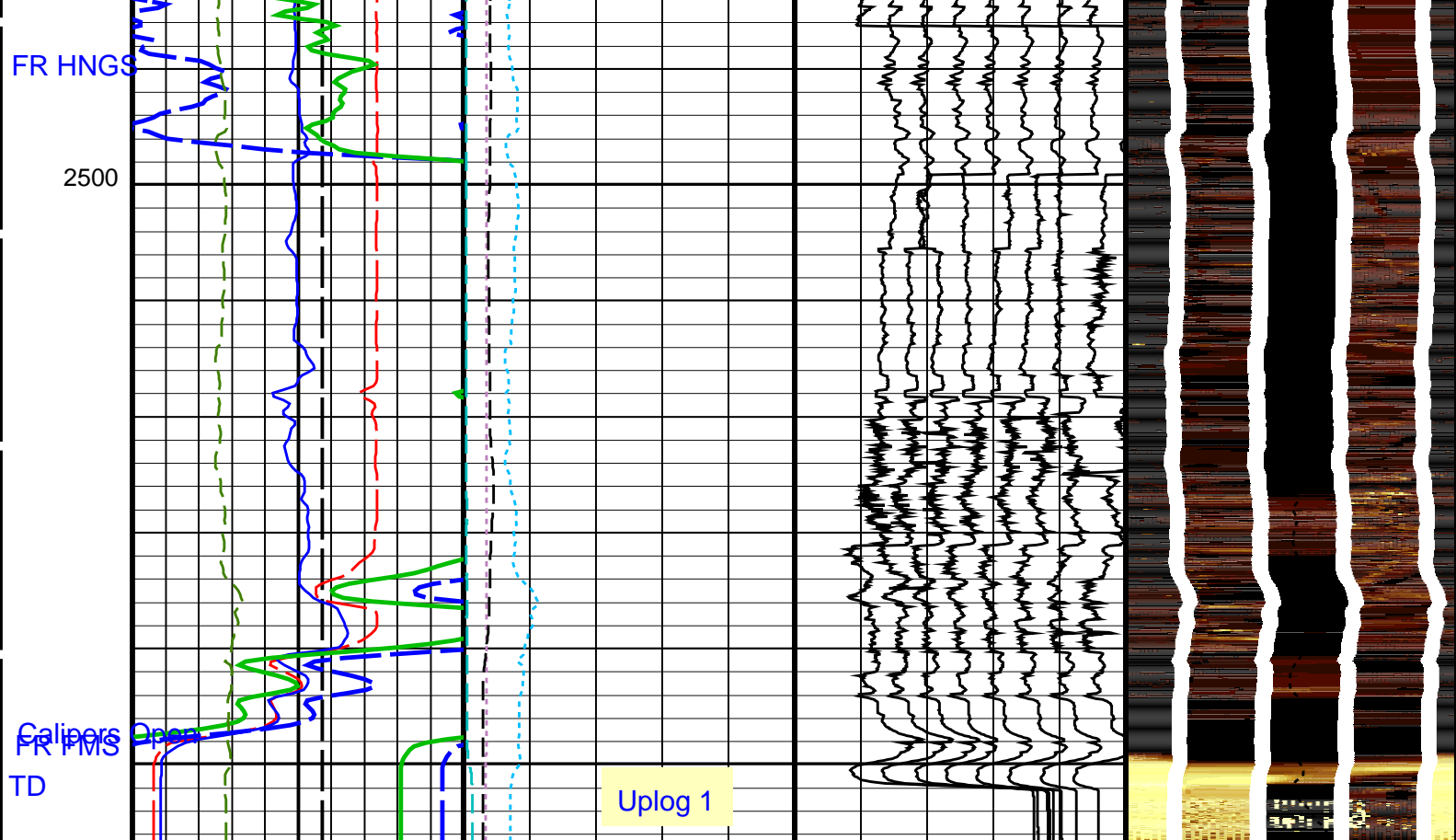
PadC wrapped by P1AZ

PadB wrapped by P1AZ

PadA wrapped by P1AZ

2450





0	(GAPI)	25
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	25

PIP SUMMARY		
Time Mark Every 60 S		

Parameters			
DLIS Name	Description	Value	
MEST-B: Micro Electrical Scanner – B (Slim)			
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	-13.1645	DEG
MLM	MEST Logging Mode	SCAN1800	
RBS	Resistivity Button Selection	AUTO	
XGAI	Gain	GAIN_2	
XOFF	Offset	OFFSET_0	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.000691722	
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	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.95358	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.972341	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: MEST_C_WRAP_BY_P1AZ	Vertical Scale: 1:300	Graphics File Created: 28-Jun-2021 22:40
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OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

Input DLIS Files					
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Output DLIS Files					
DEFAULT	FMS_DSI_NGS_030PUP	FN:45	PRODUCER	28-Jun-2021 22:40	

Input DLIS Files					
	FMS_DSI_NGS_020LUP	FN:33	28-Jun-2021 14:23	2528.3 M	2000.0 M
Output DLIS Files					

OP System Version: 19C0-187

MEST-B

19C0-187

DTA-A

19C0-187

DSST-B

19C0-187

HNGC-B

19C0-187

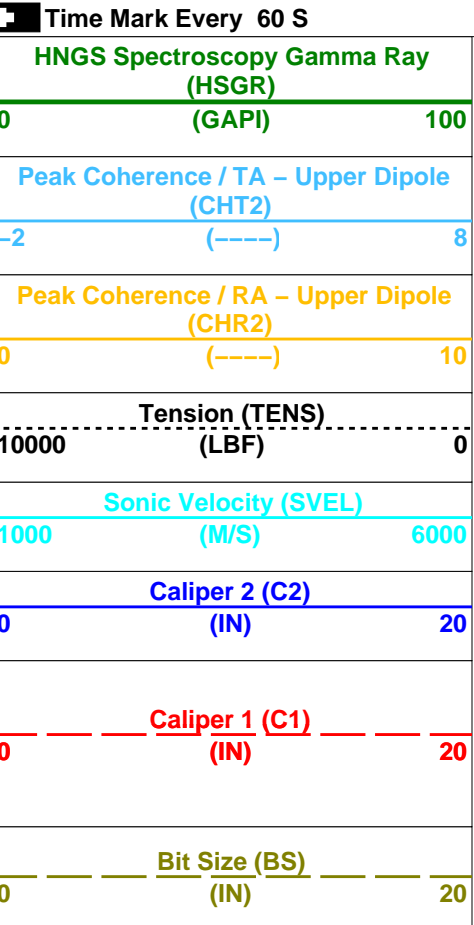
HNGS-BA

19C0-187

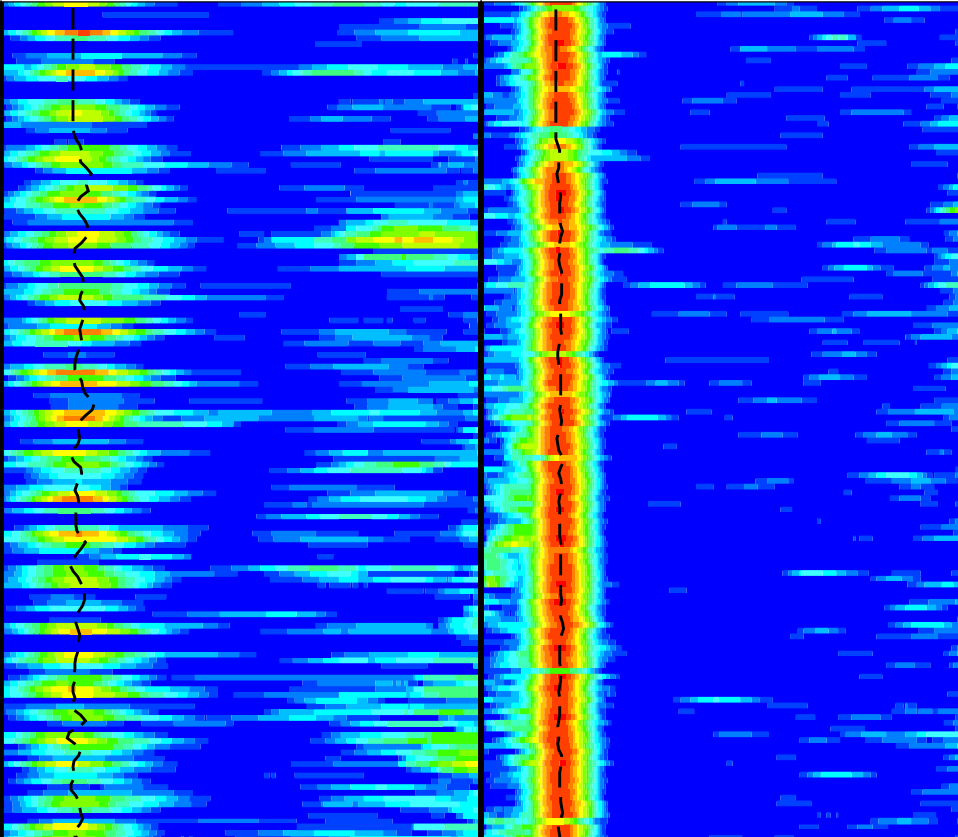
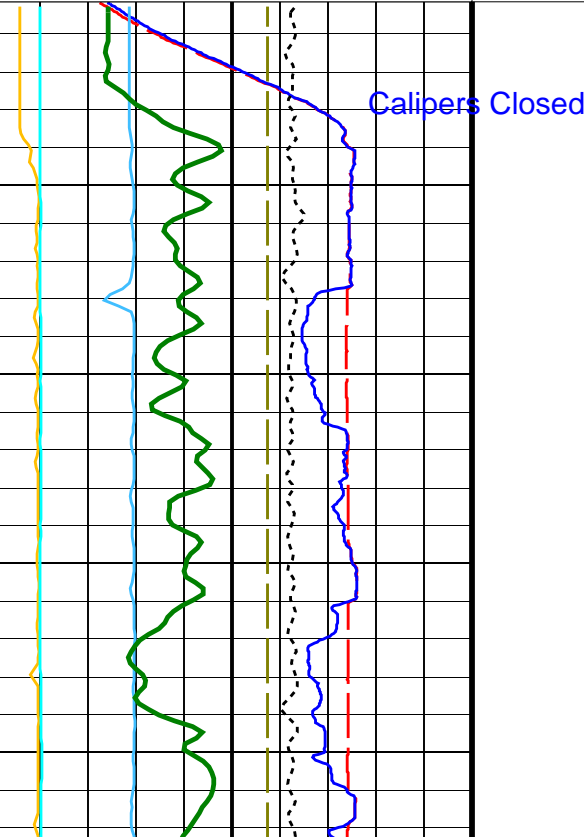
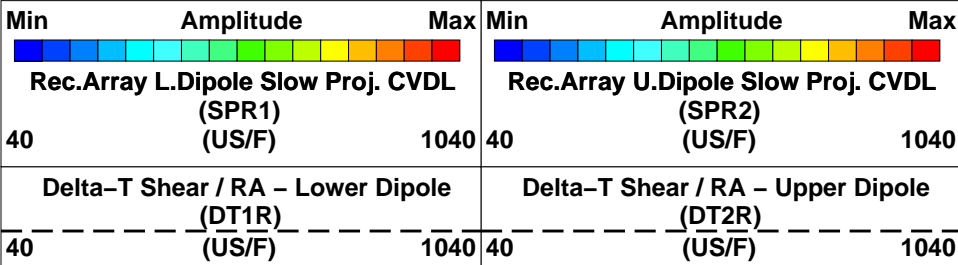
DTC-H

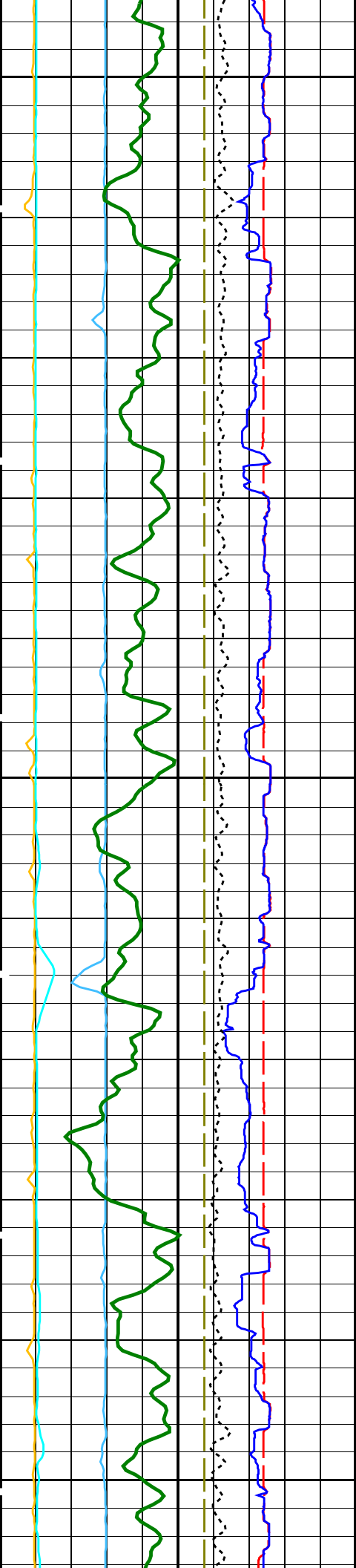
19C0-187

PIP SUMMARY



Uplog 1

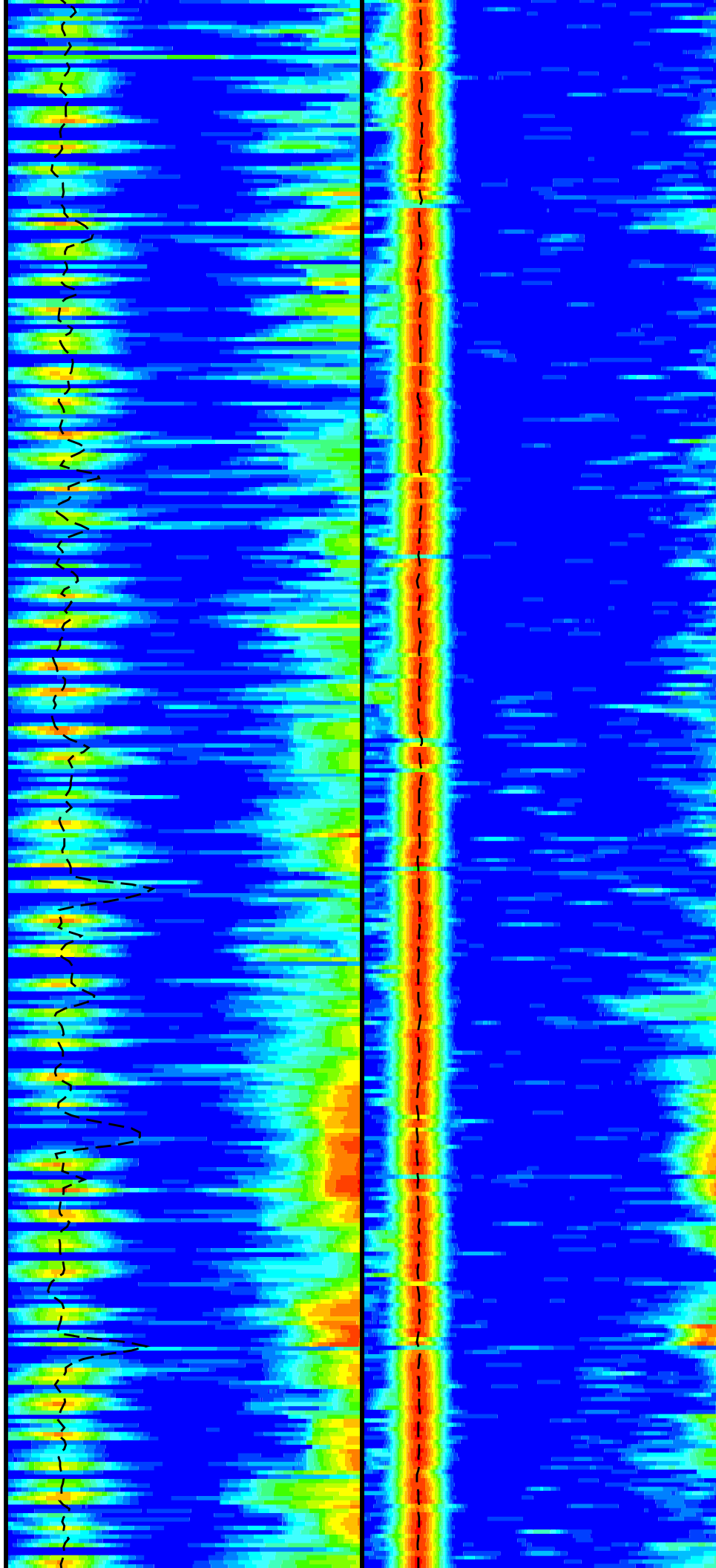


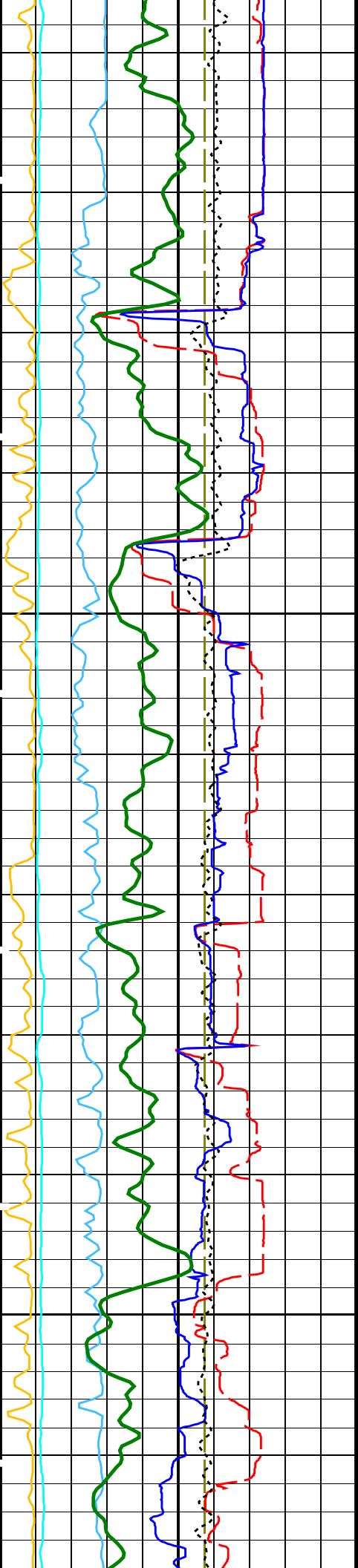


2025

2050

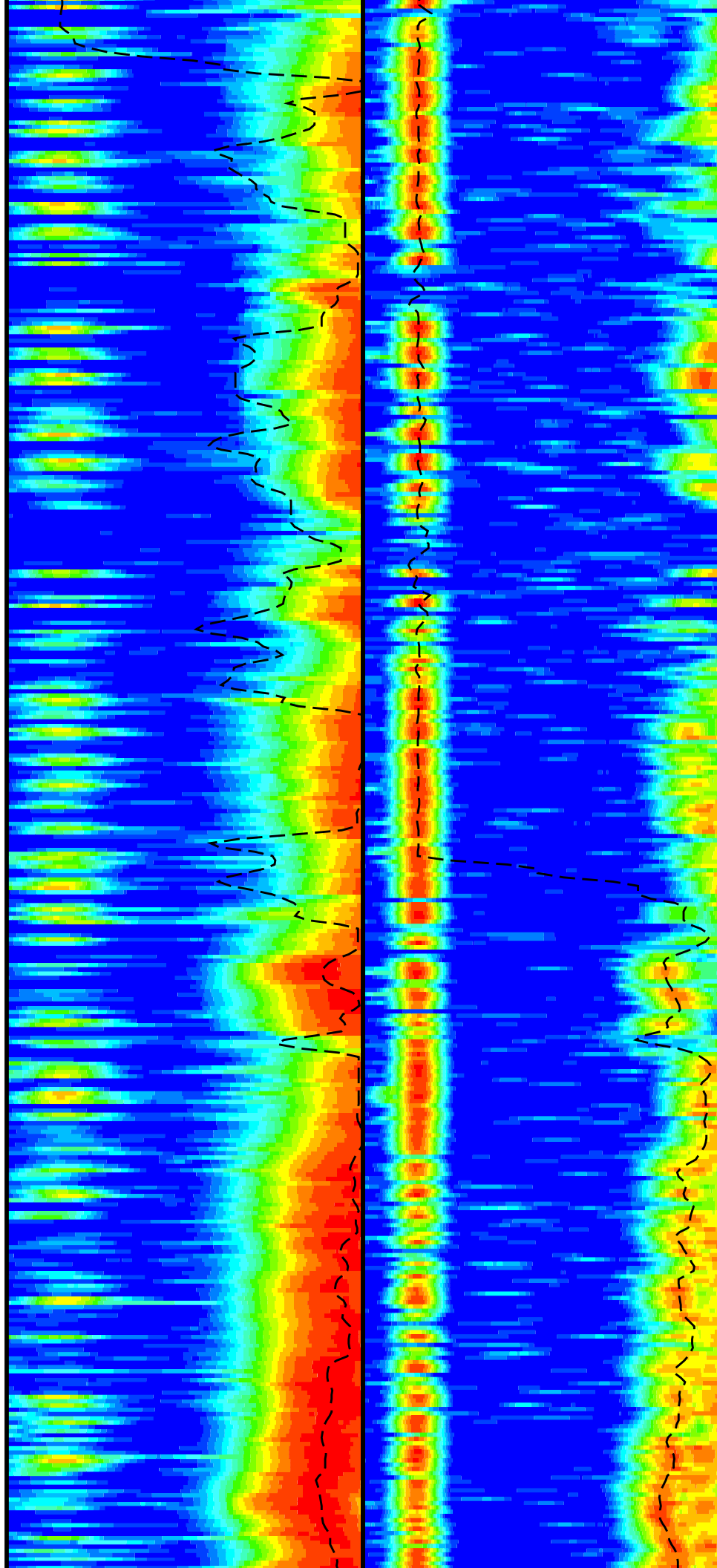
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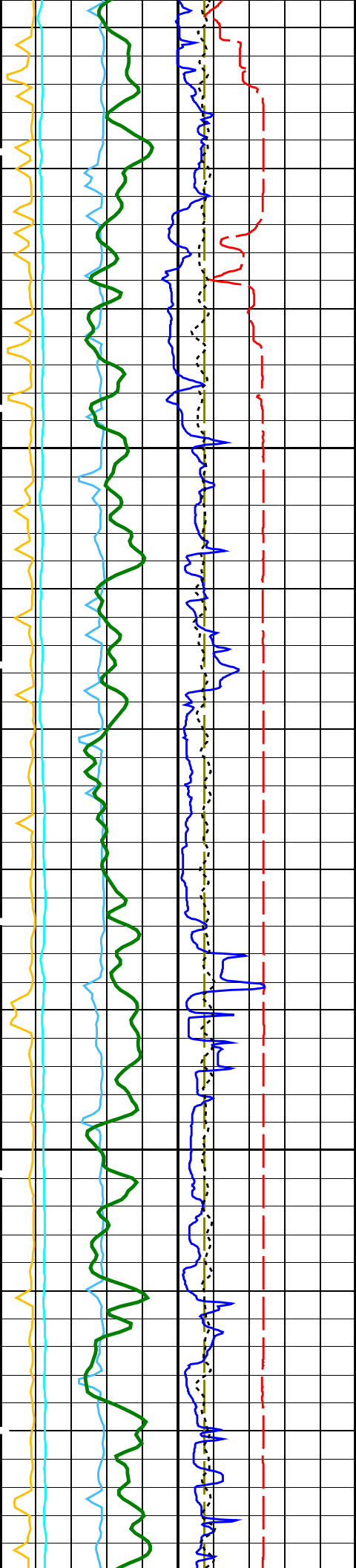




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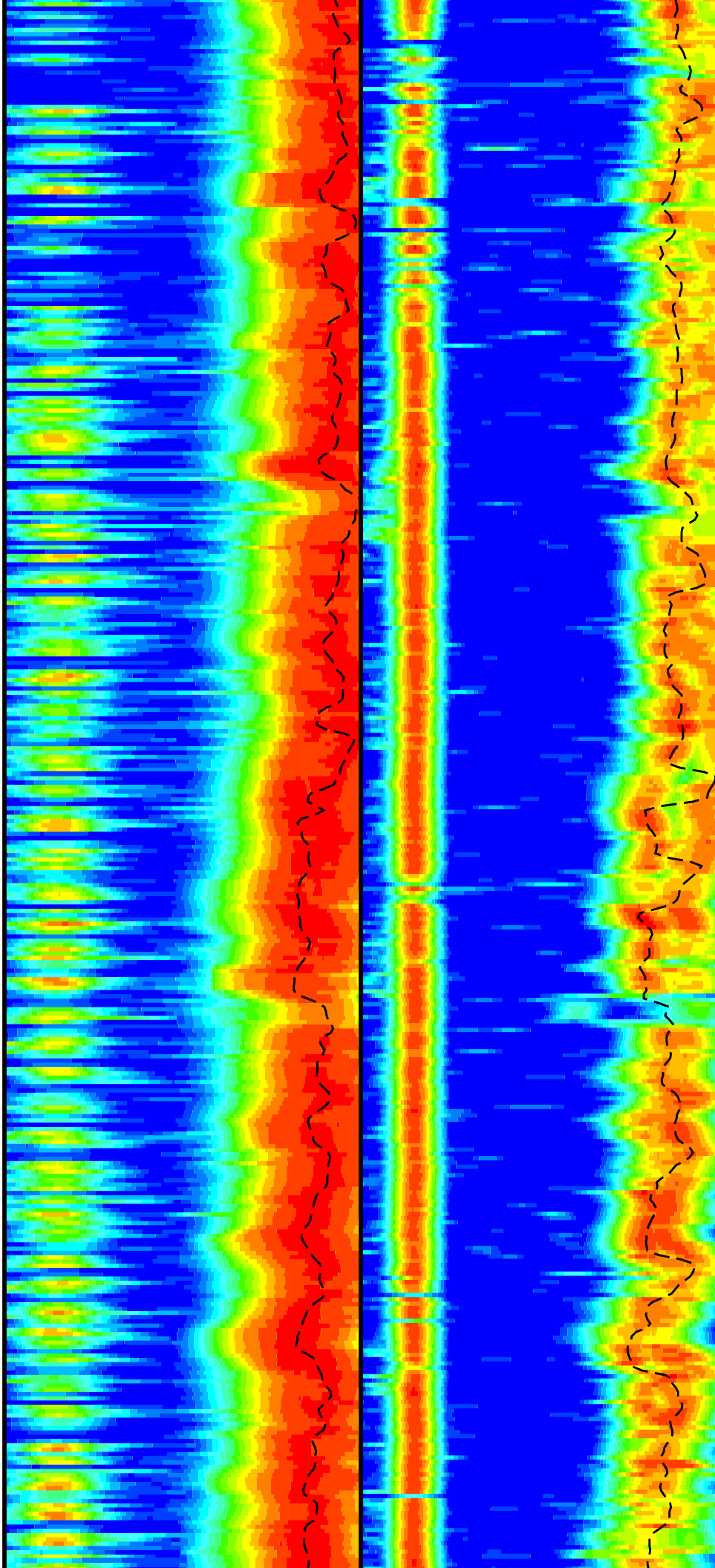
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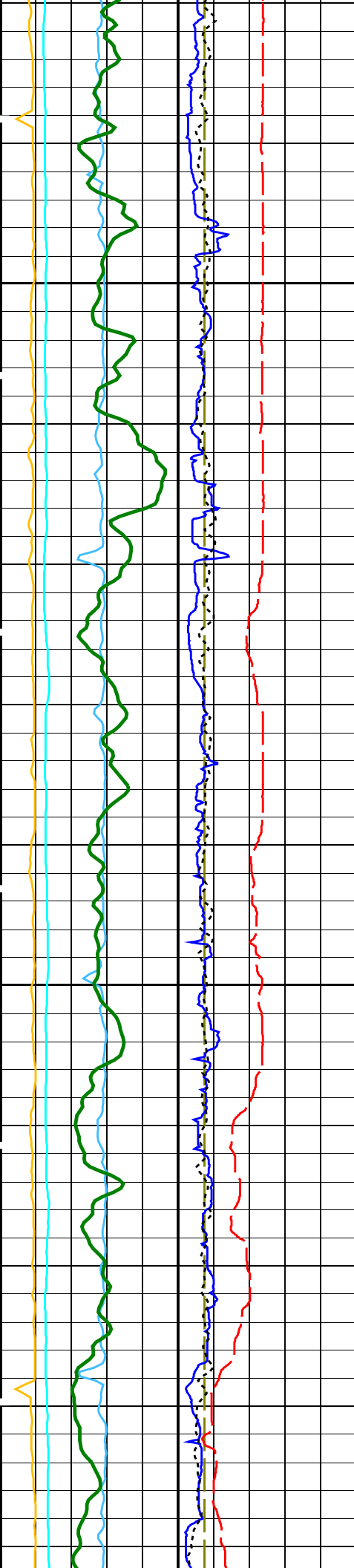




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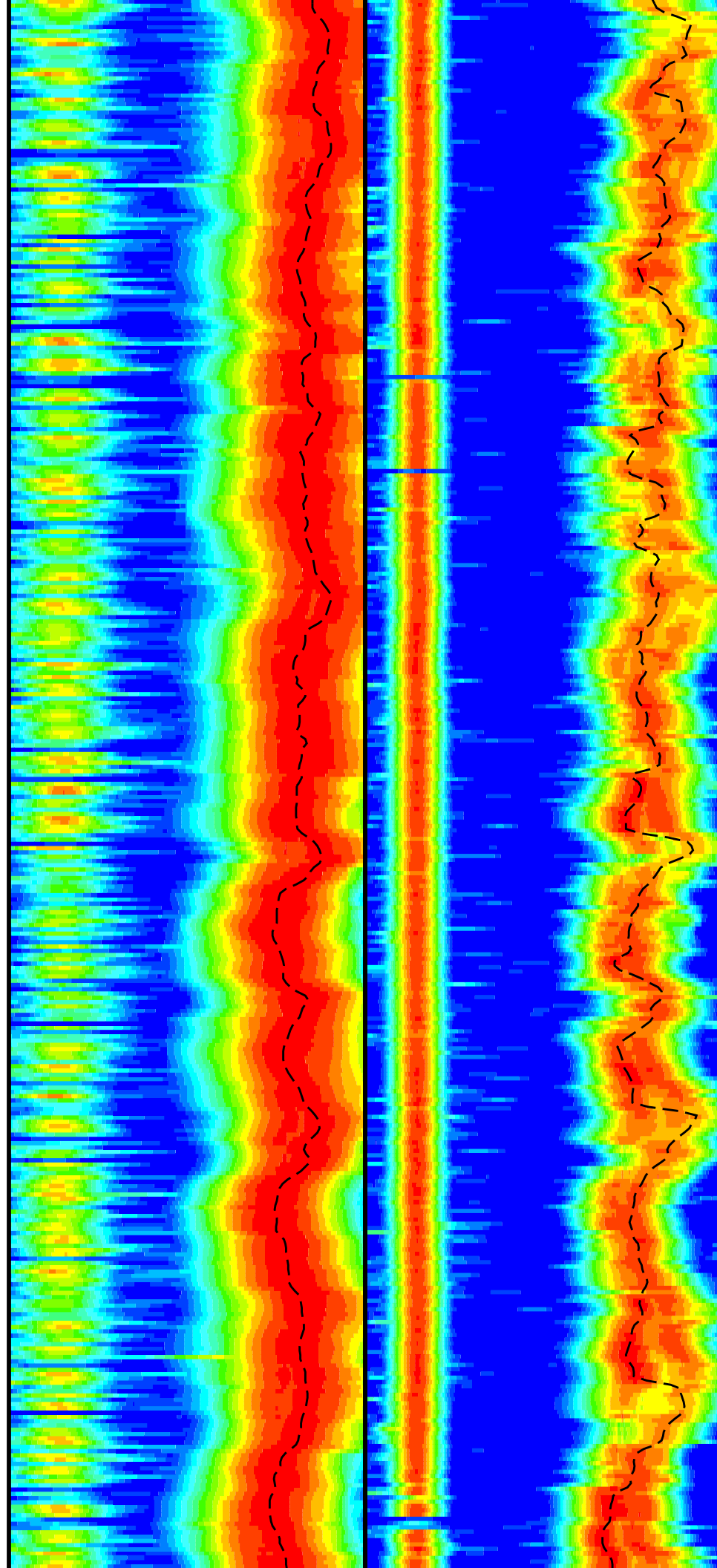
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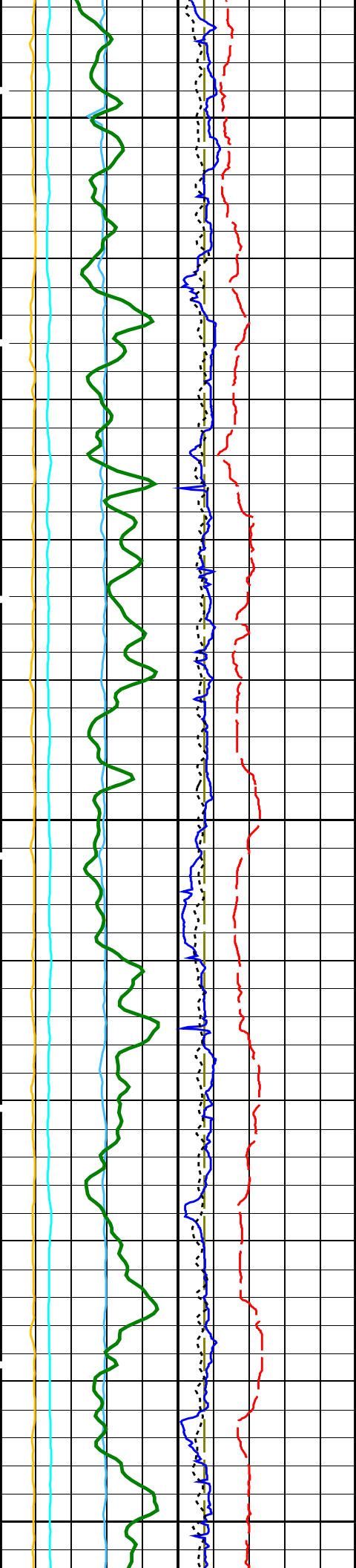




2200

2225

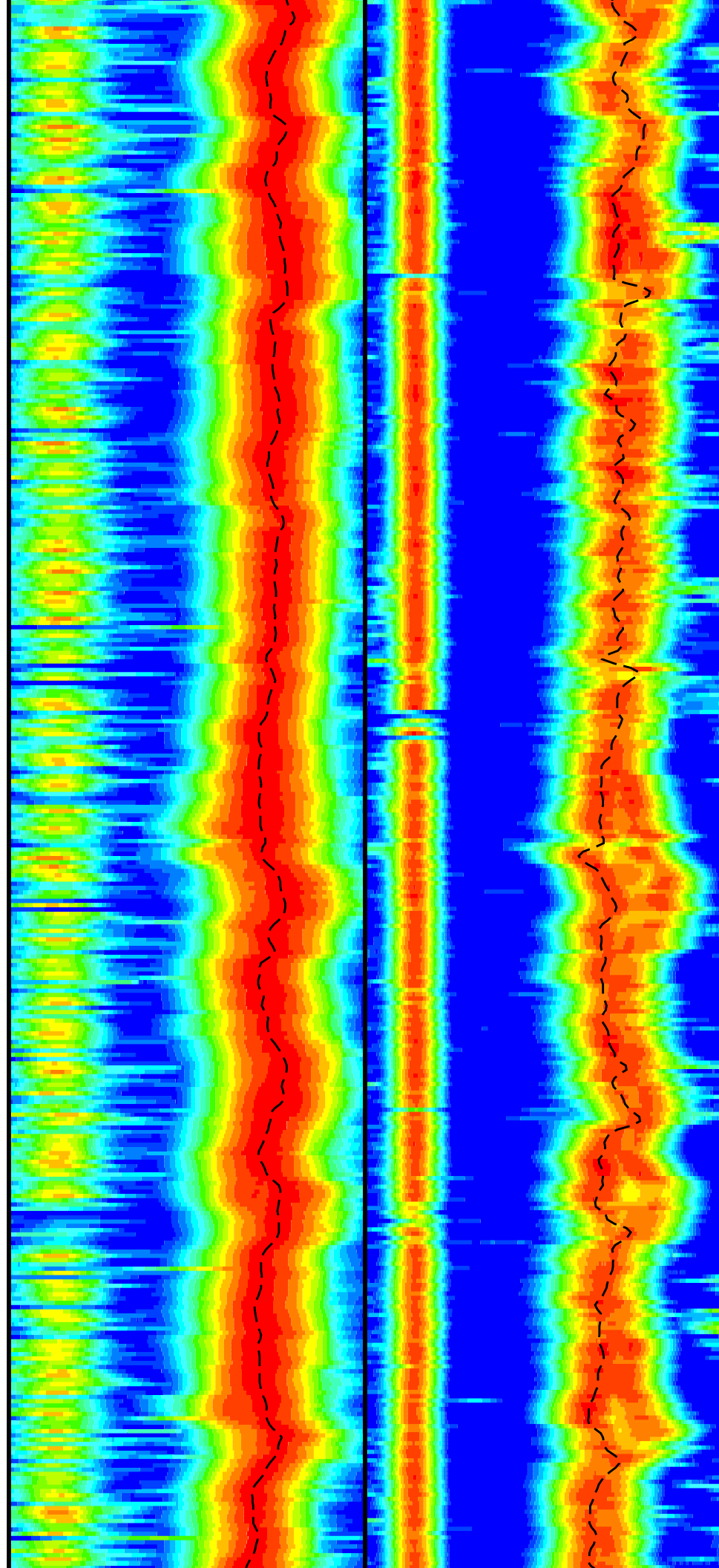


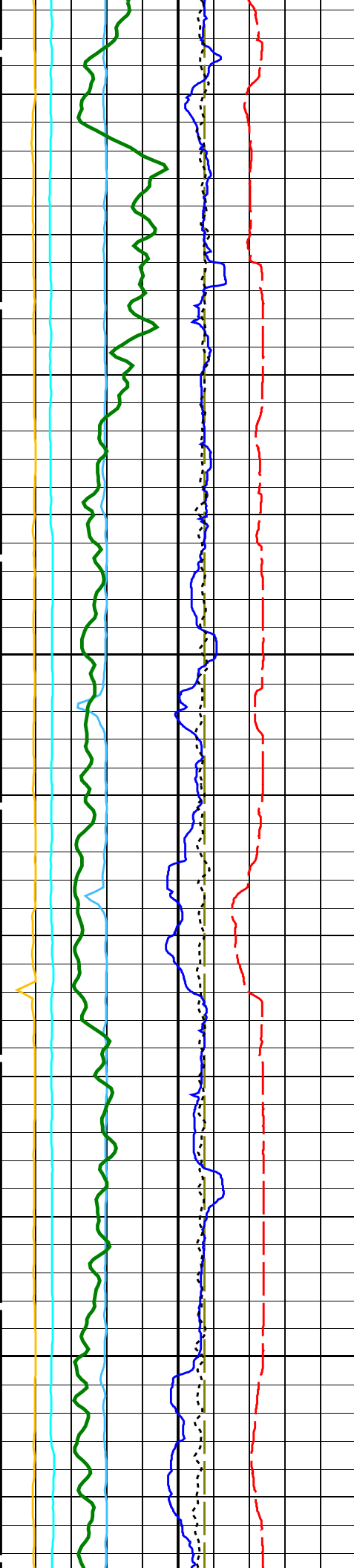


2250

2275

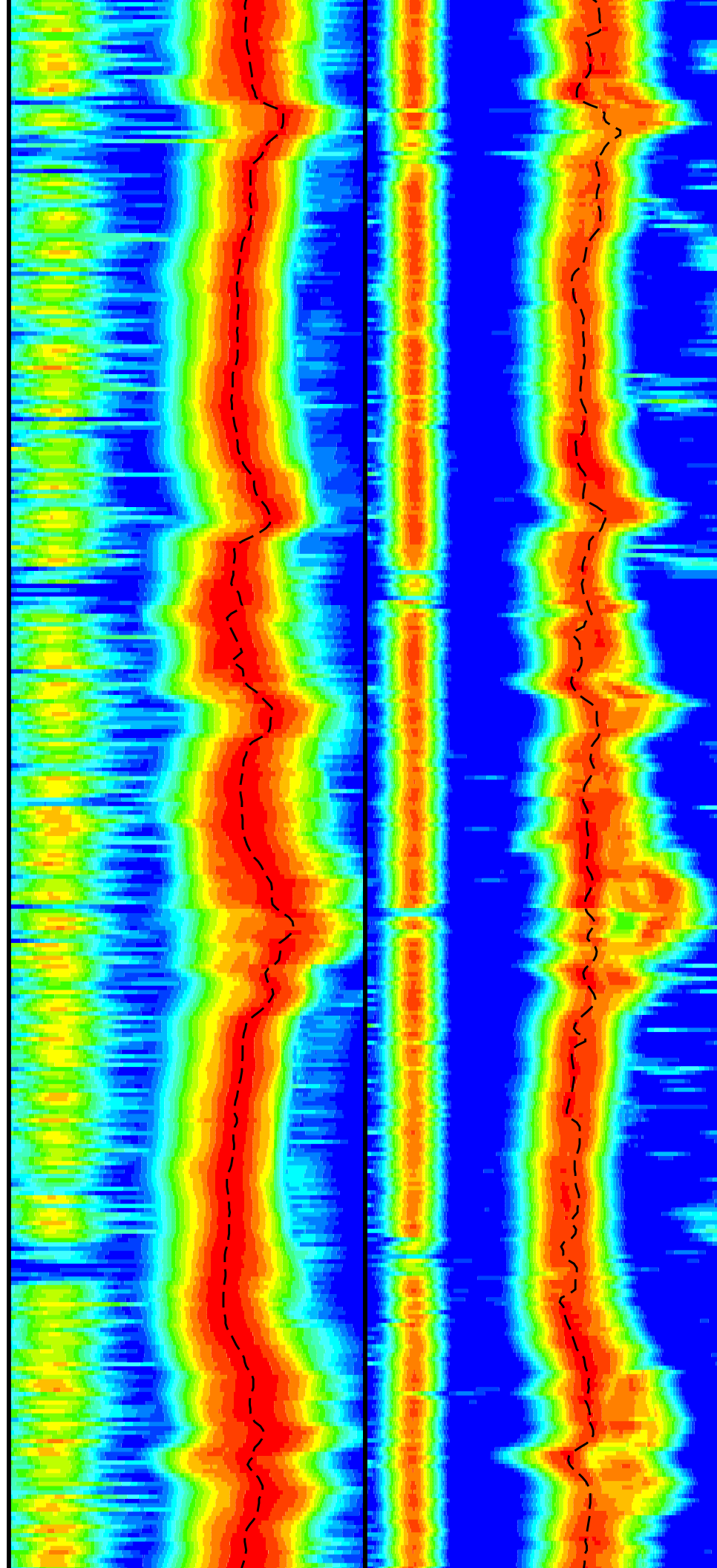
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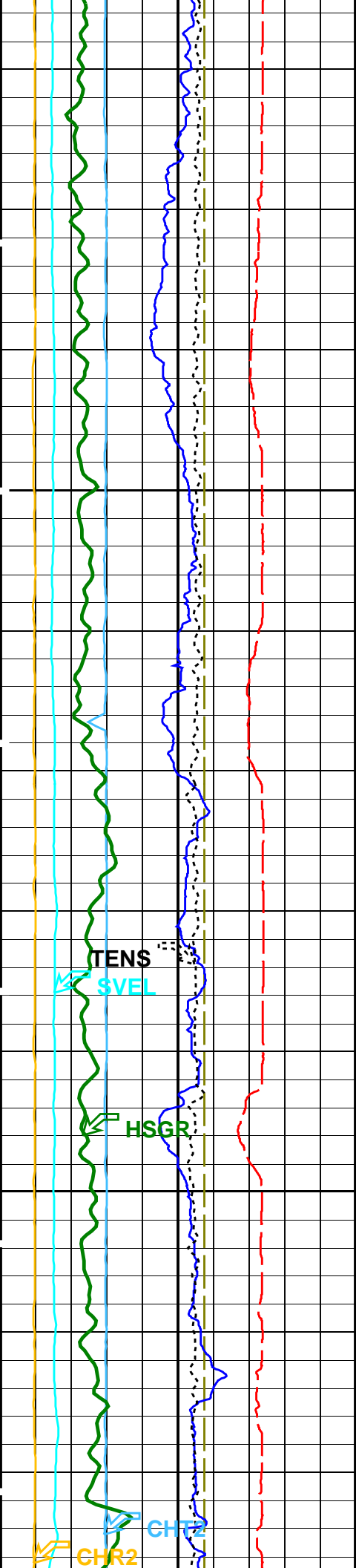




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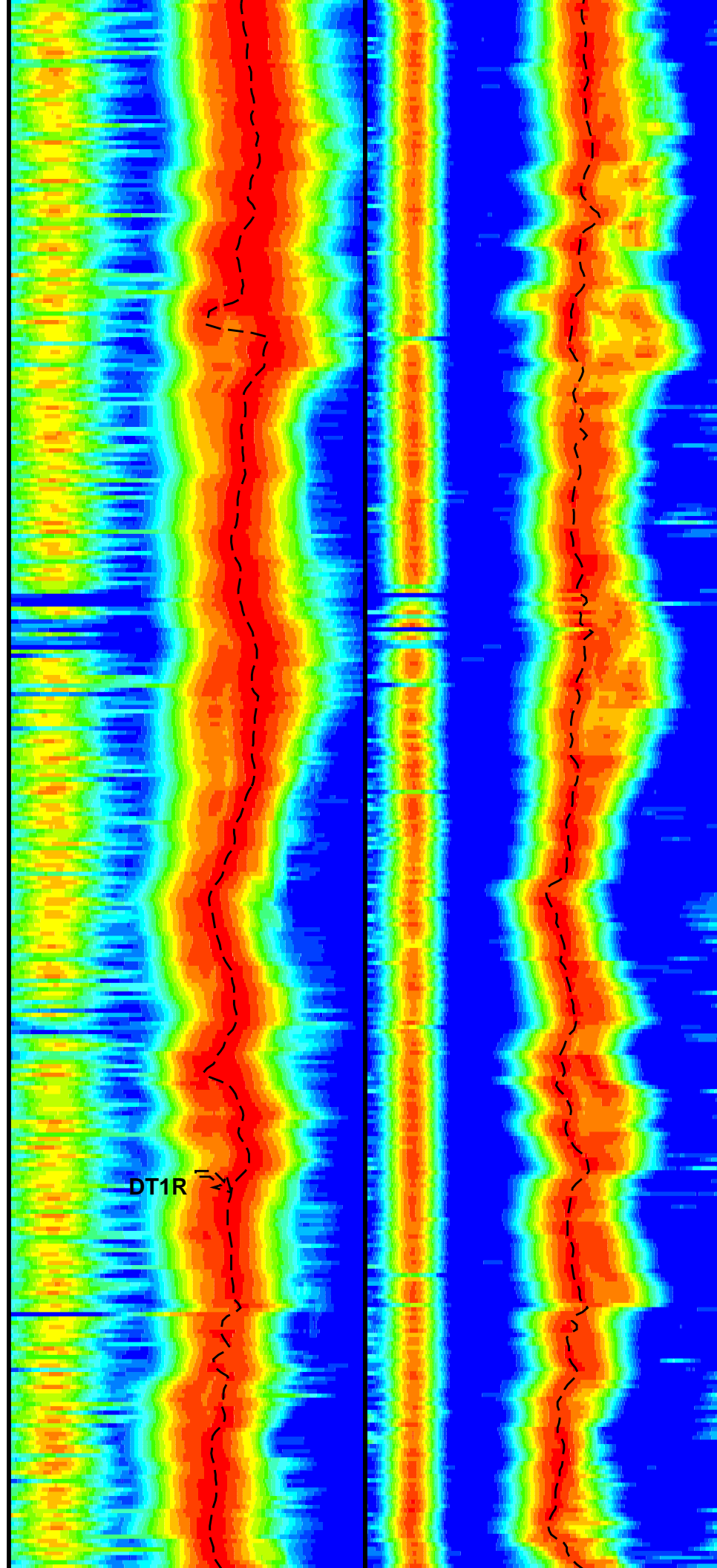
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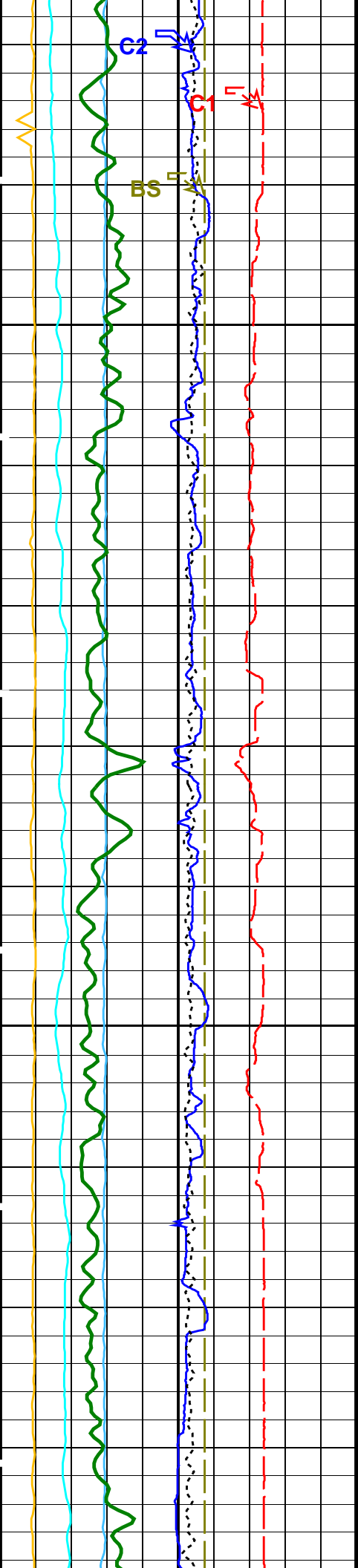


2375

2400

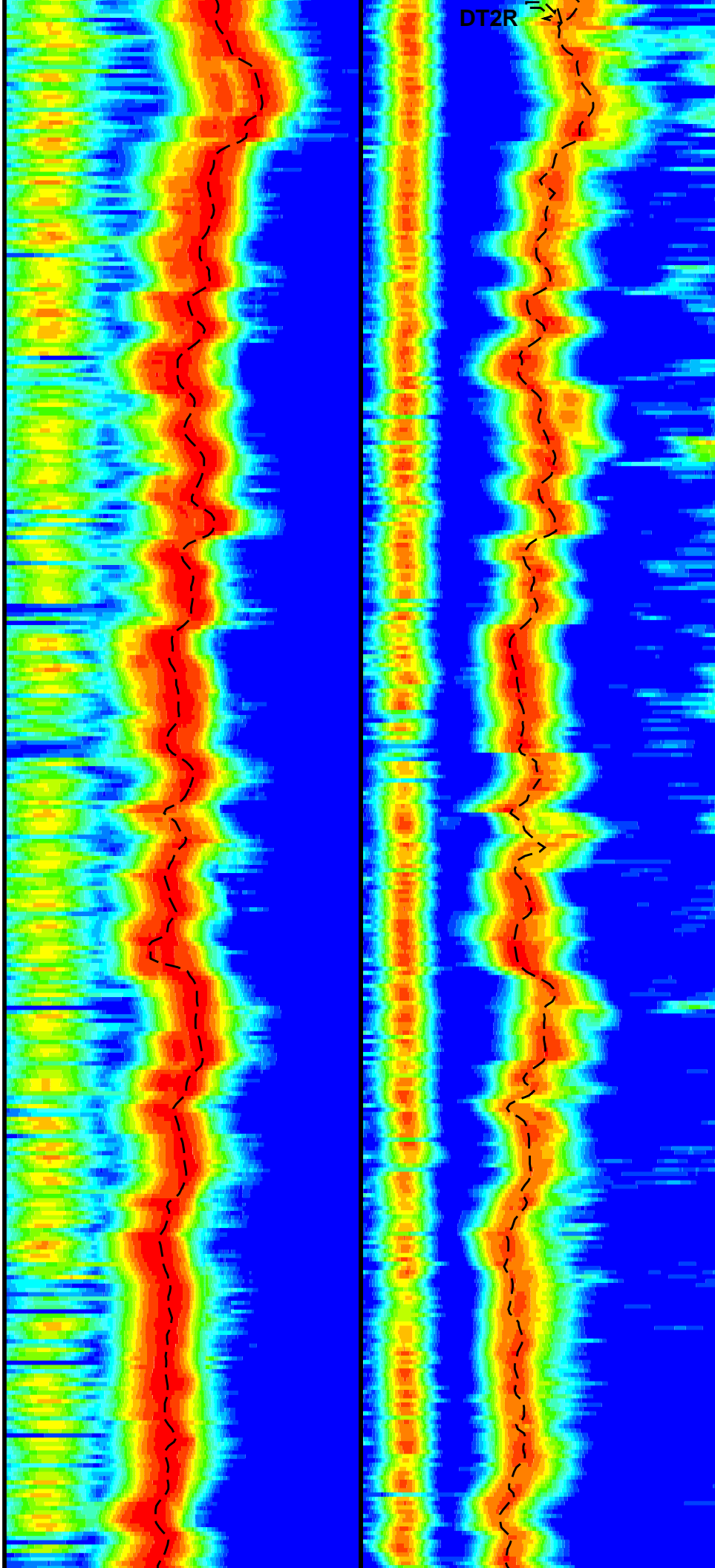


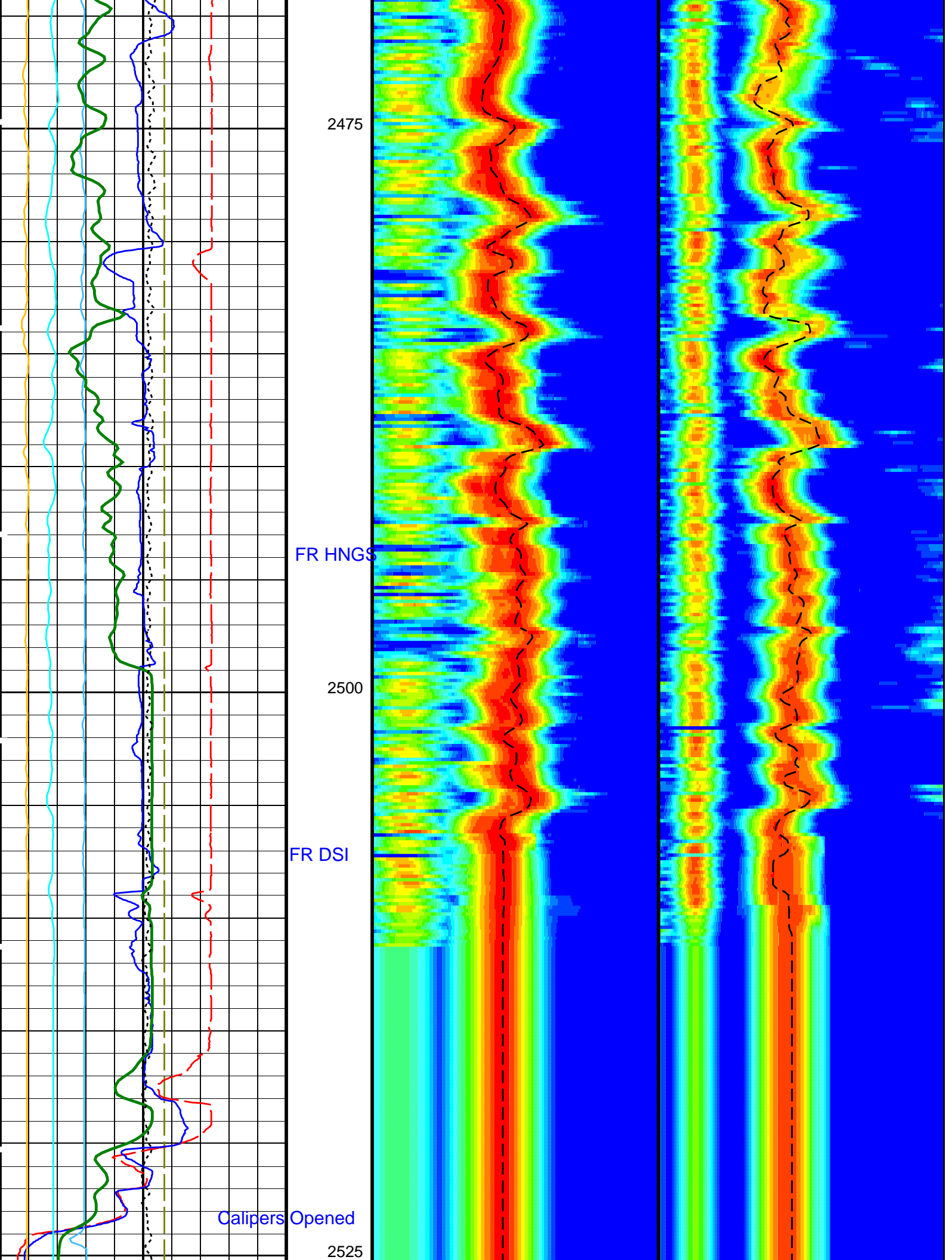
DT1R



2425

2450





SBW1	STC Search Band Offset – Lower Dipole	3000	US
SBW2	STC Search Band Offset – Upper Dipole	8000	US
SFC1	STC Search Bandwidth – Lower Dipole	8000	US
SFC2	STC Search Bandwidth – Upper Dipole	SELECTABLE	
SFM1	STC Formation Character – Lower Dipole	SELECTABLE	
SFM2	STC Formation Character – Upper Dipole	B.3–1.5K	
SLL1	STC Filter – Lower Dipole	B1–2K	
SLL2	STC Filter – Upper Dipole	40	US/F
SST1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SST2	STC Slowness Lower Limit – Upper Dipole	4	US/F
SSW1	STC Slowness Step – Lower Dipole	4	US/F
SSW2	STC Slowness Step – Upper Dipole	WF_SAM1	
SUL1	STC Source Waveform – Lower Dipole	WF_SAM2	
SUL2	STC Source Waveform – Upper Dipole	1040	US/F
SWD1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SWD2	STC Slowness Upper Limit – Upper Dipole	40	US/F
TBF1	STC Slowness Width – Lower Dipole	40	US/F
TBF2	STC Slowness Width – Upper Dipole	0	US
TLL1	STC Time for Baseline Fill – Lower Dipole	0	US
TLL2	STC Time for Baseline Fill – Upper Dipole	600	US
TST1	STC Time Lower Limit – Lower Dipole	600	US
TST2	STC Time Lower Limit – Upper Dipole	200	US
TUL1	STC Time Step – Lower Dipole	200	US
TUL2	STC Time Step – Upper Dipole	18960	US
TWD1	STC Time Upper Limit – Lower Dipole	18440	US
TWD2	STC Time Upper Limit – Upper Dipole	2000	US
TWI1	STC Time Width – Lower Dipole	2000	US
TWI2	STC Time Width – Upper Dipole	1600	US
TWSX	STC Integration Time Window – Lower Dipole	1600	US
UTXG	STC Integration Time Window – Upper Dipole	0	
	Transmitter Waveform Select X	0	
	Upper Dipole Transmitter Geometry	162	IN
HNGBS–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGBS Detector 1 Barite Constant	1	
BAR2	HNGBS Detector 2 Barite Constant	1	
BHK	HNGBS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGBS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGBS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGBS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGBS Borehole Potassium Running Average	–0.000691722	
HALF	HNGBS Alpha Filter Length	60	IN
HCRB	HNGBS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGBS Processing Enable	YES	
S1BI	HNGBS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGBS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGBS Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGBS Detector 1 Variable Barite Factor Running Average	0.95358	
VBA2	HNGBS Detector 2 Variable Barite Factor Running Average	0.972341	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: UpperLowerDipole_40_1040 Vertical Scale: 1:200 Graphics File Created: 28–Jun–2021 22:40

OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	HNGC–B	19C0–187
HNGBS–BA	19C0–187	DTC–H	19C0–187

Input DLIS Files

FMS_DSI_NGS_020LUP FN:33 28–Jun–2021 14:23 2528.3 M 2000.0 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_030PUP FN:45 PRODUCER 28–Jun–2021 22:40

Input DLIS Files

Output DLIS Files

DEFAULT

FMS_DSI_NGS_031PUP

FN:46

PRODUCER

28-Jun-2021 22:42

2528.3 M

1868.9 M

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

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

Tension (TENS)
(LBF)

10000 ----- 0

Sonic Velocity (SVEL)

1000 (M/S) 6000

Caliper 2 (C2)
(IN)

0 20

Caliper 1 (C1)
(IN)

0 20

Bit Size (BS)
(IN)

0 20

Uplog 2

MinAmplitudeMax

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

401040

MinAmplitudeMax

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

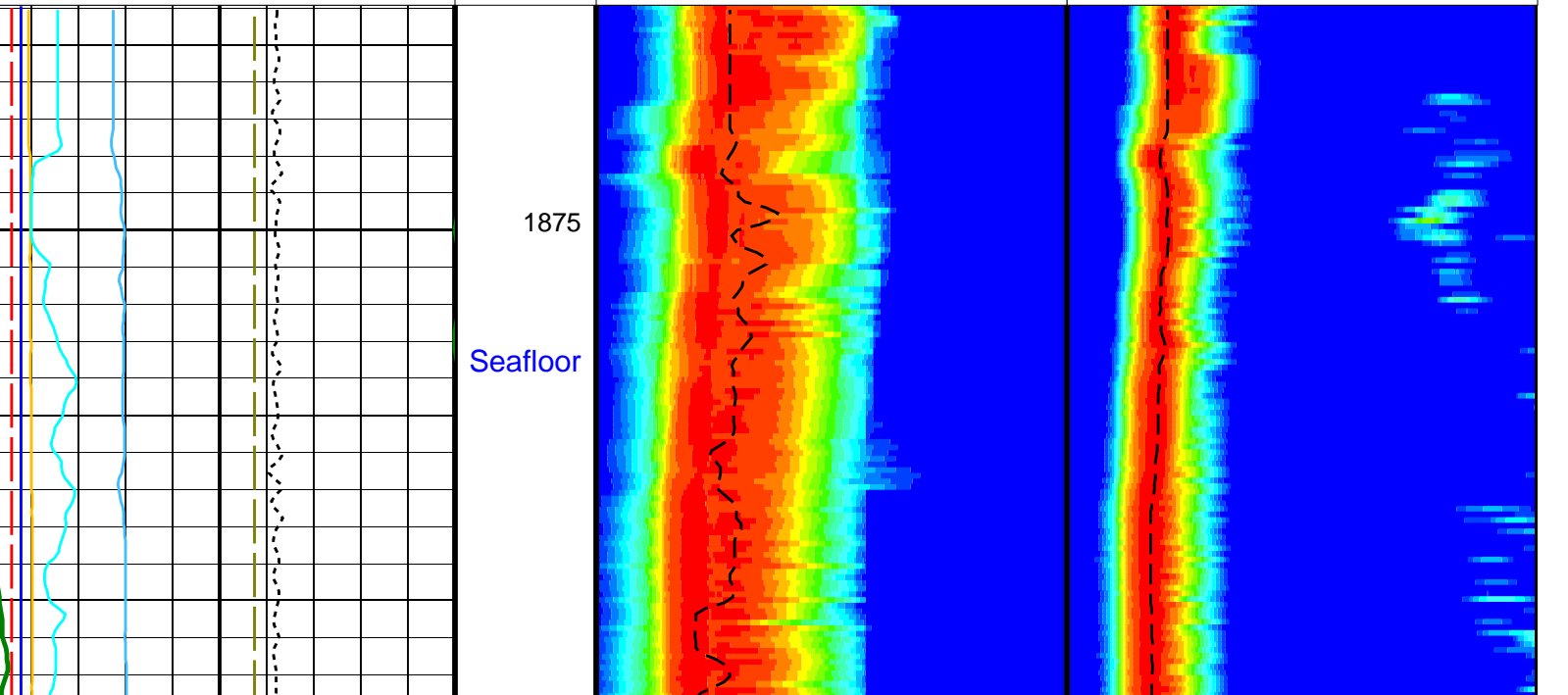
401040

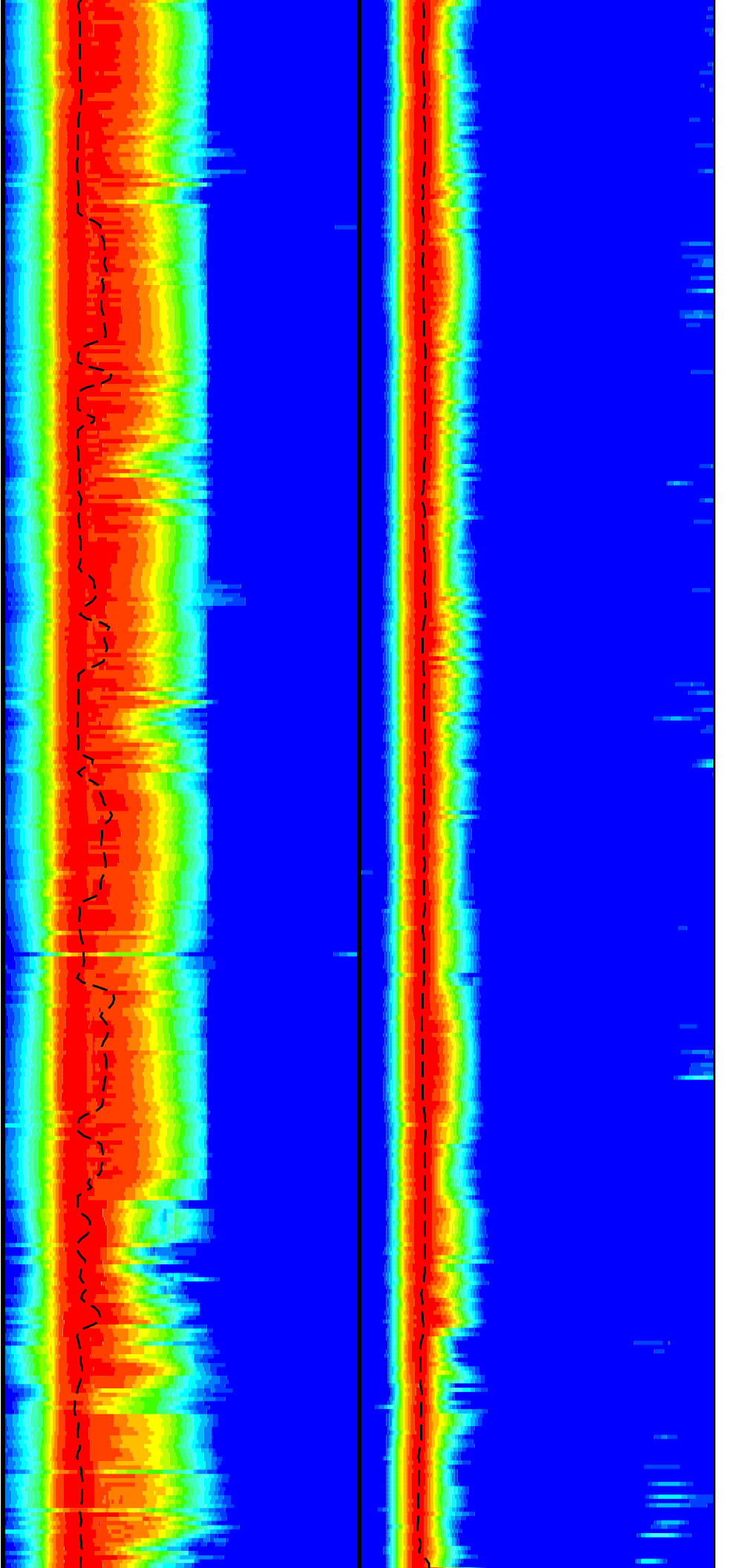
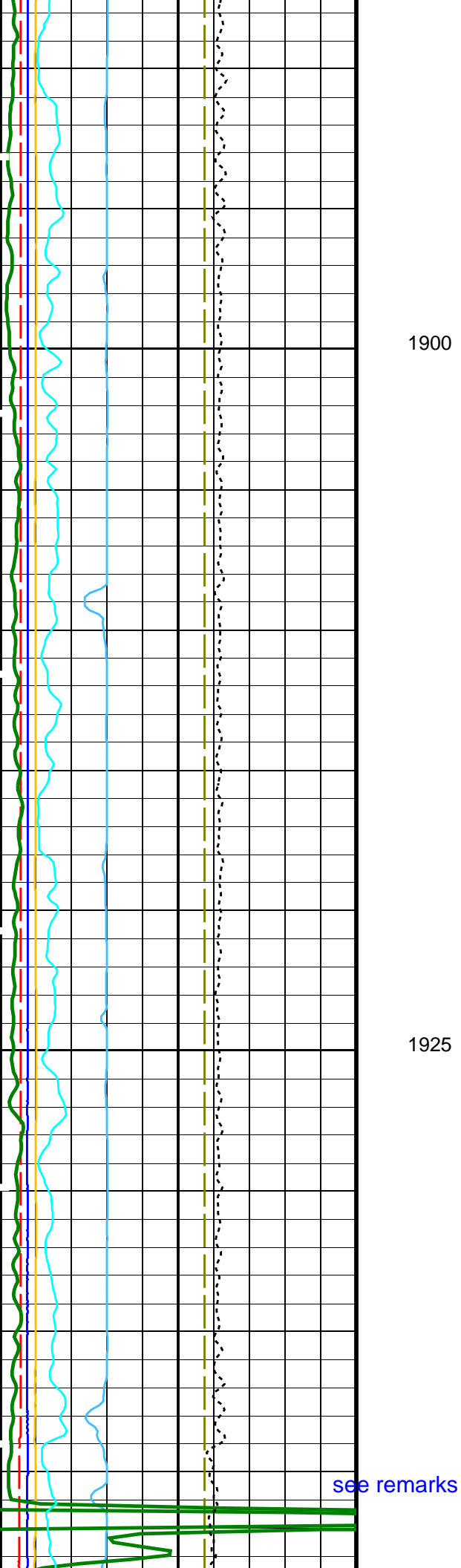
Delta-T Shear / RA - Lower Dipole
(DT1R)
(US/F)

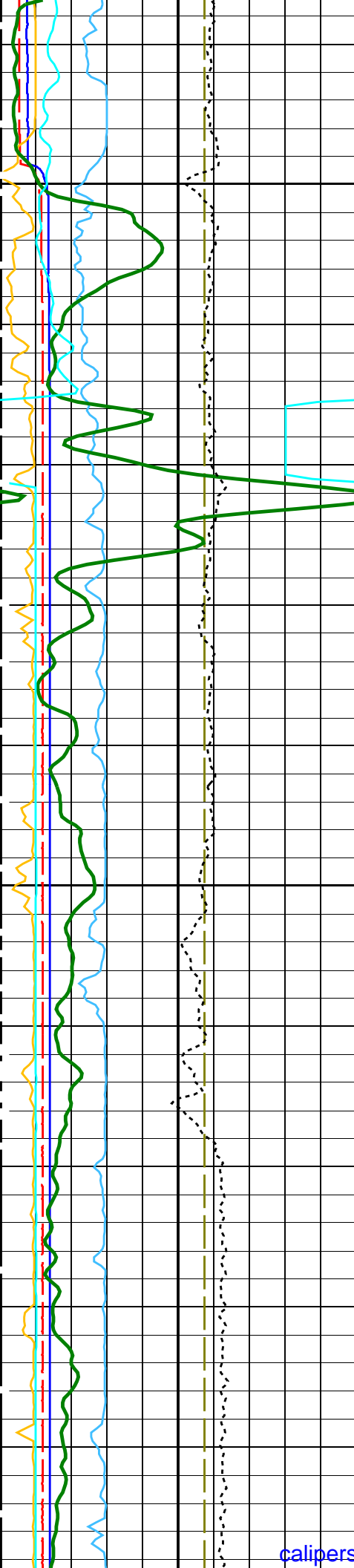
40-----1040

Delta-T Shear / RA - Upper Dipole
(DT2R)
(US/F)

40-----1040

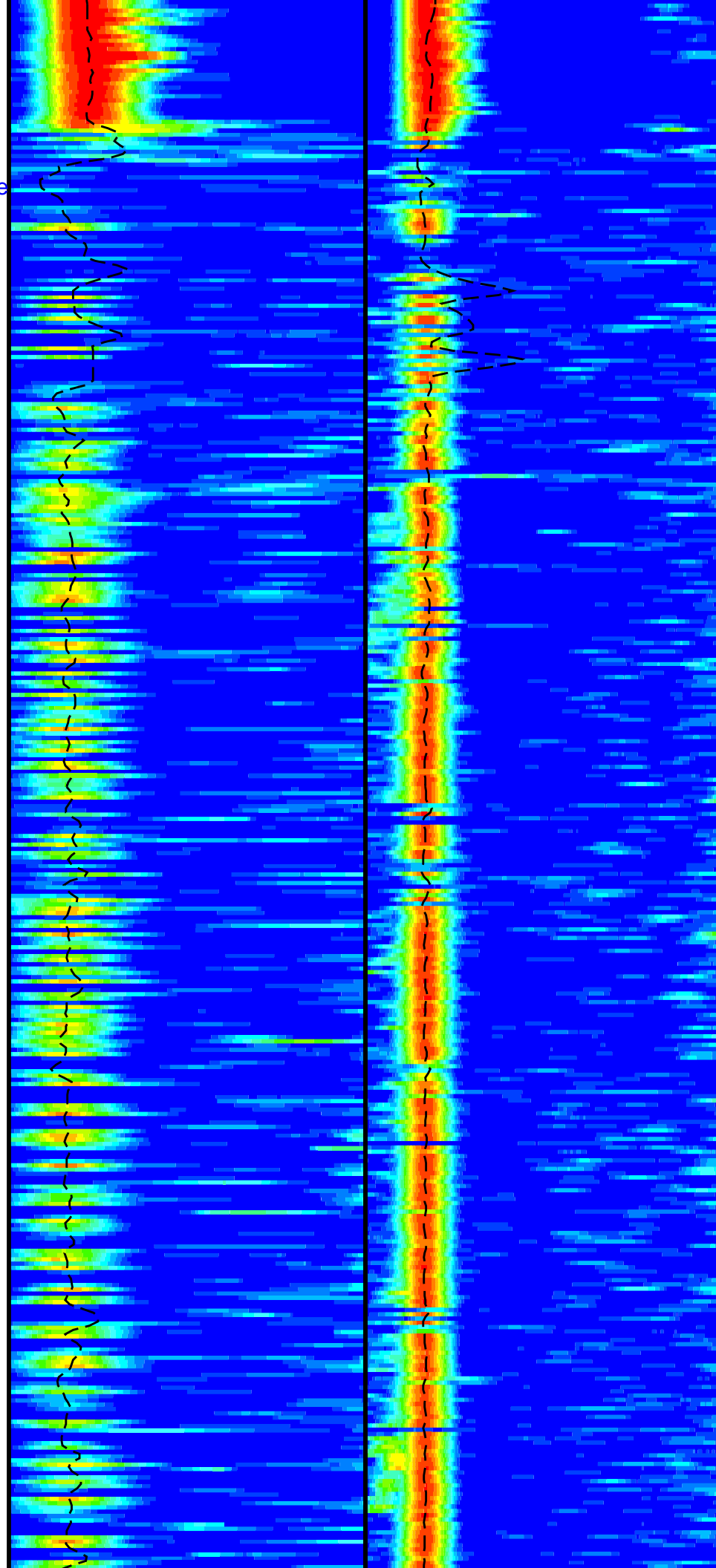


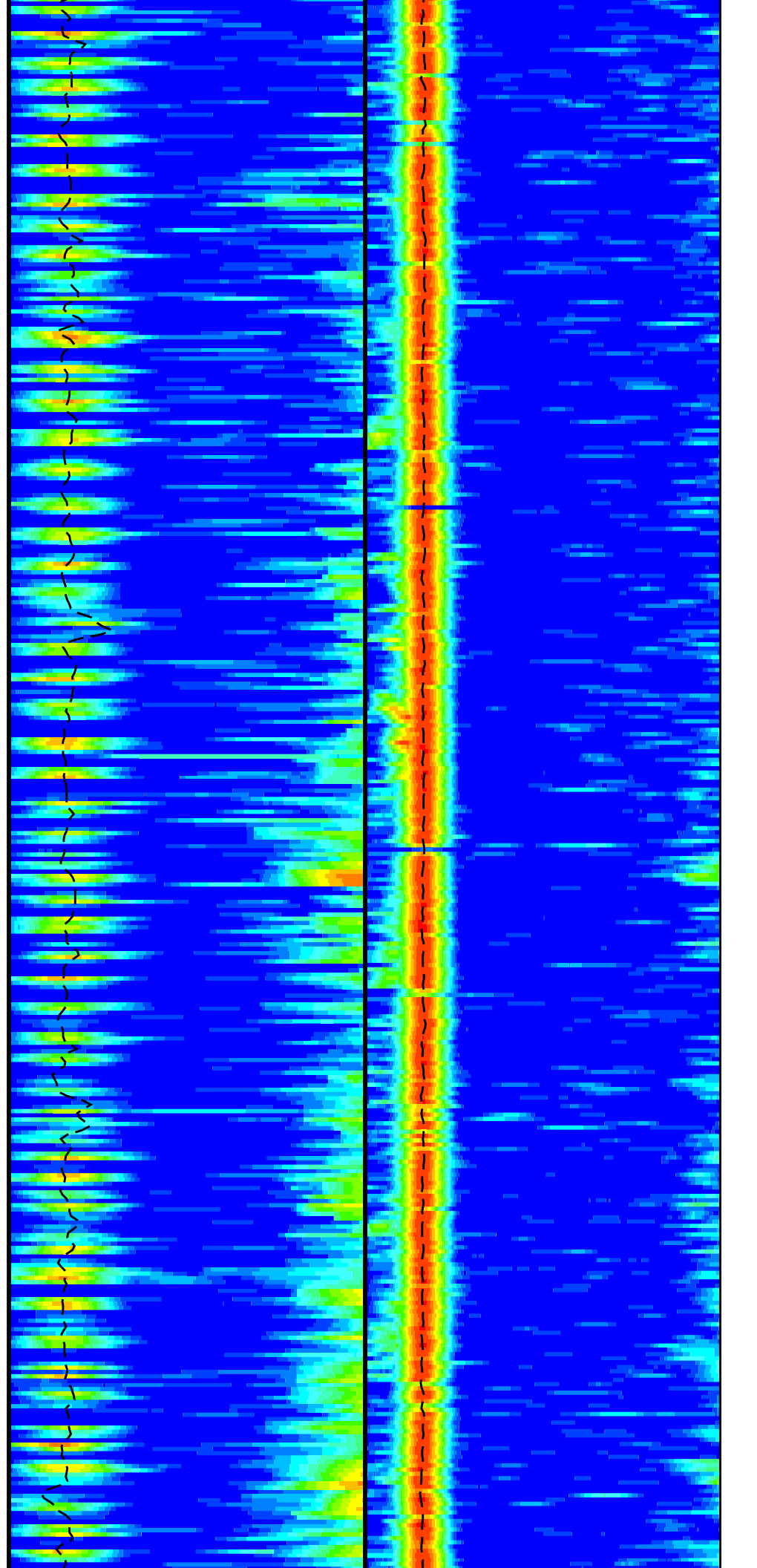
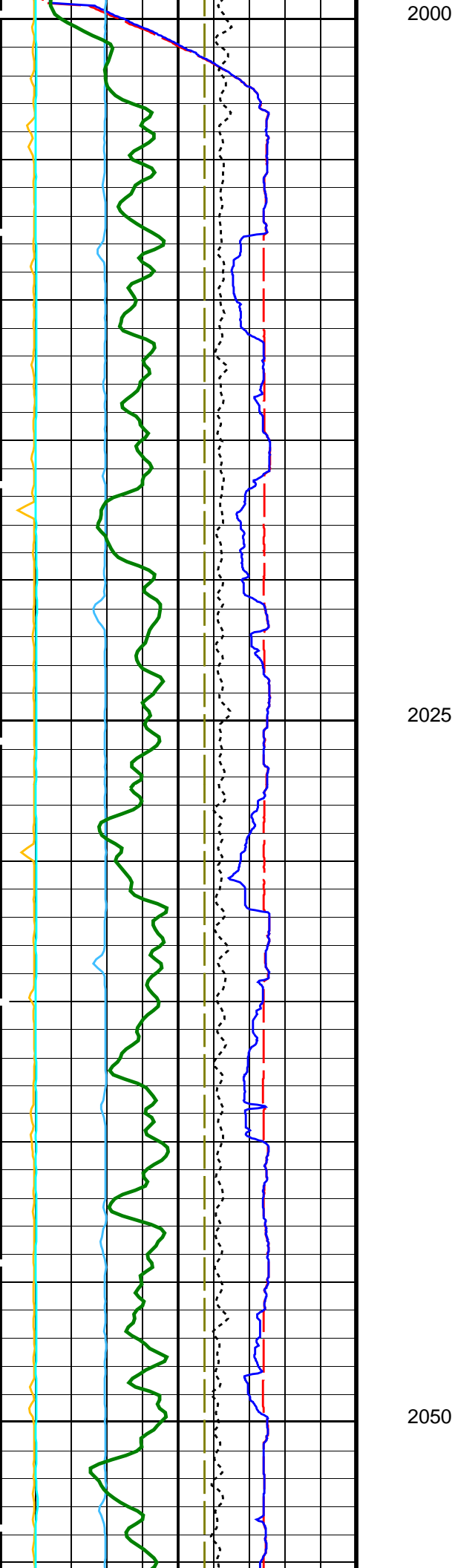


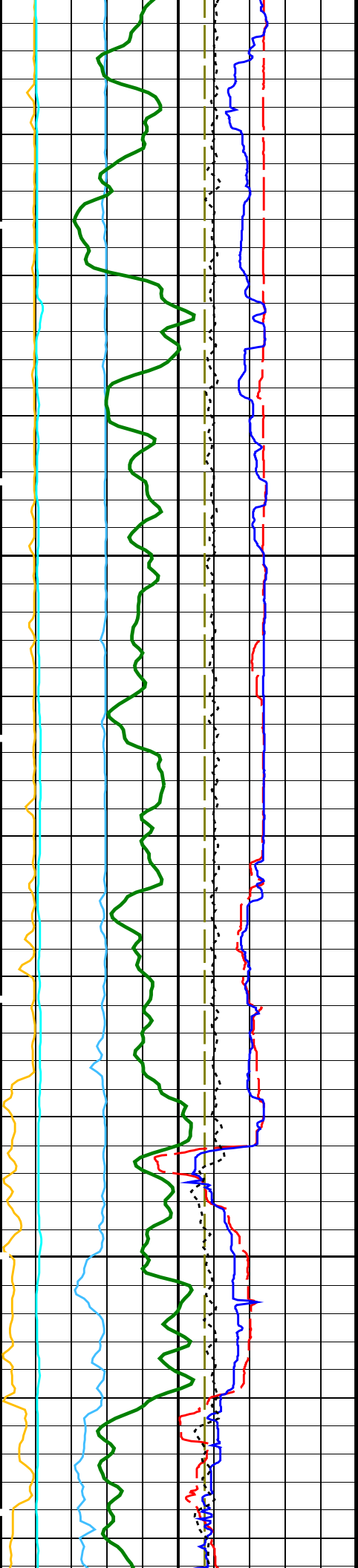


1950
Drillpipe

1975

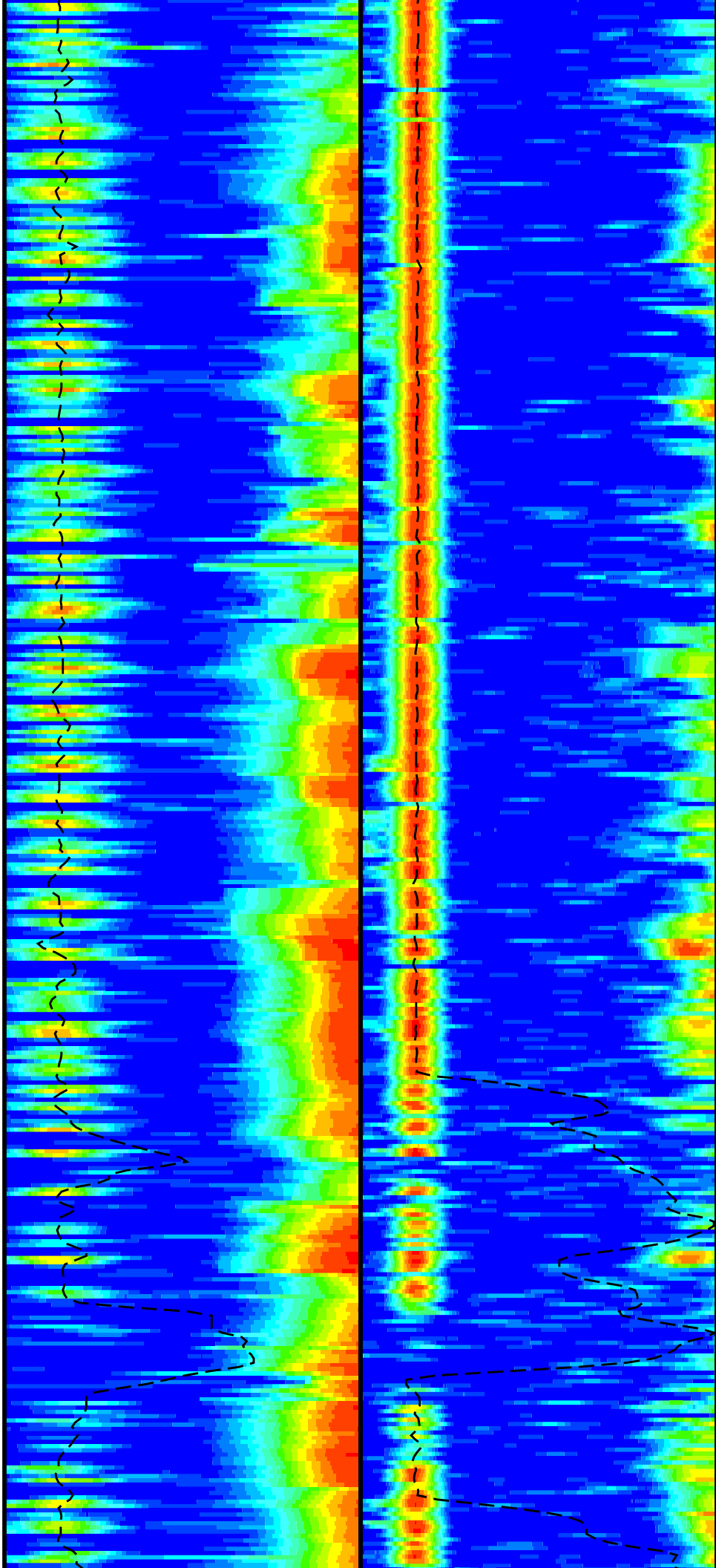


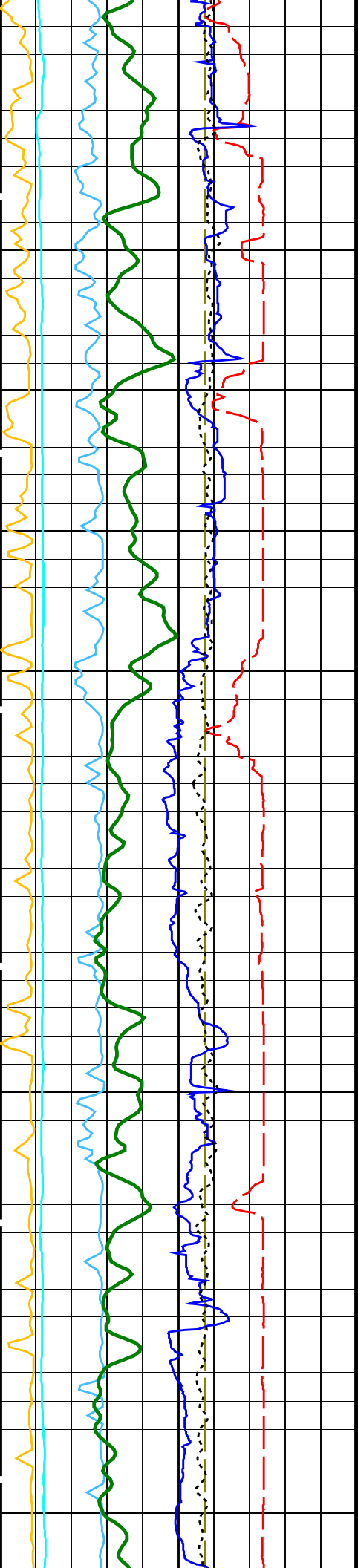




2075

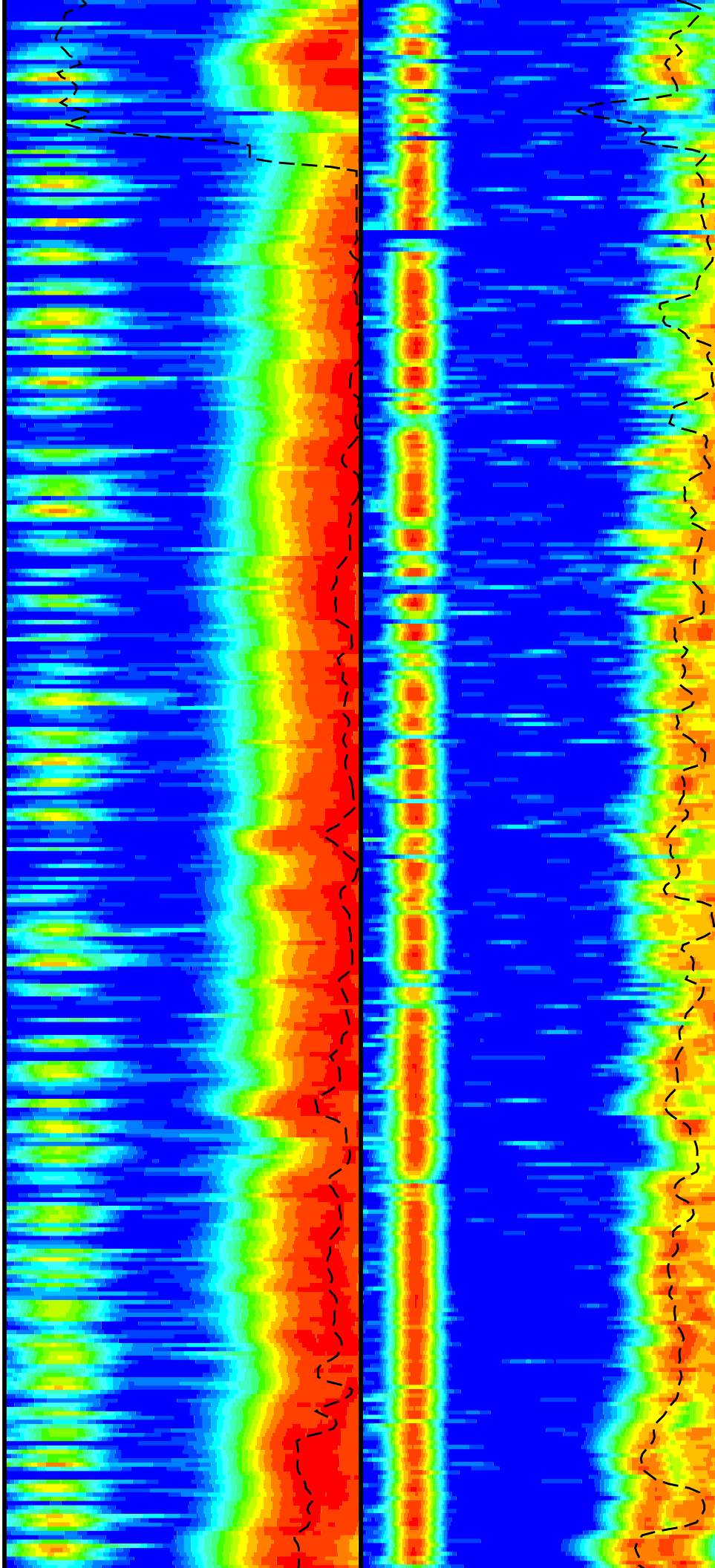
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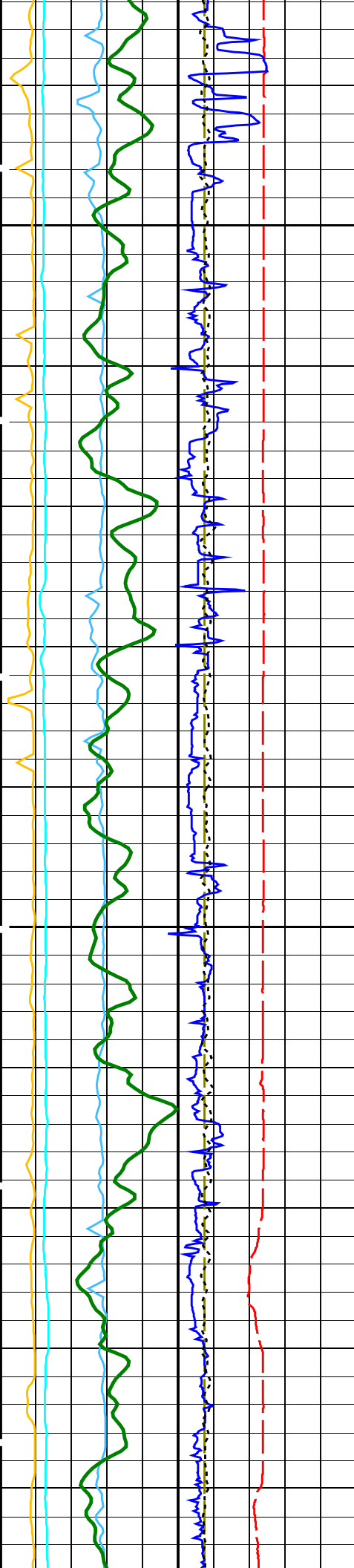




2125

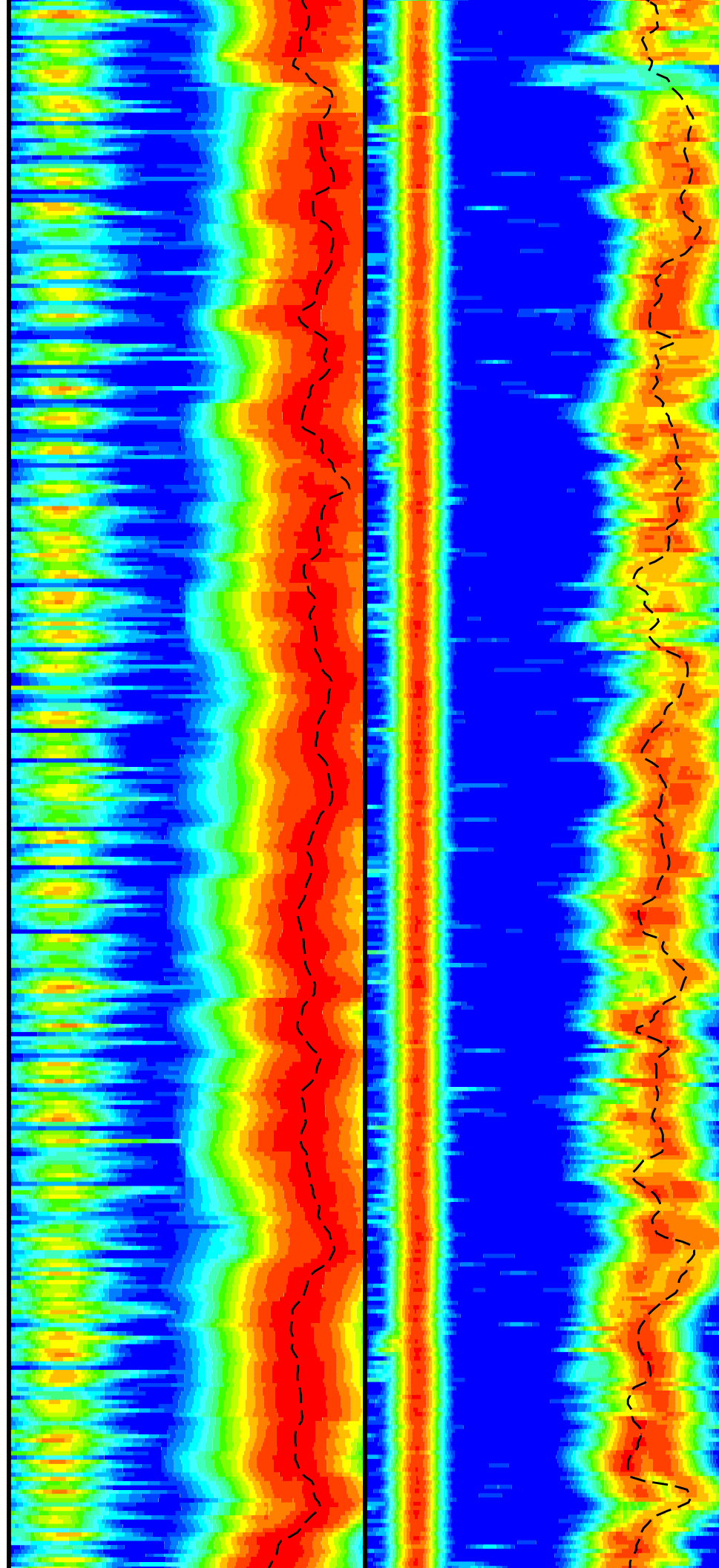
2150

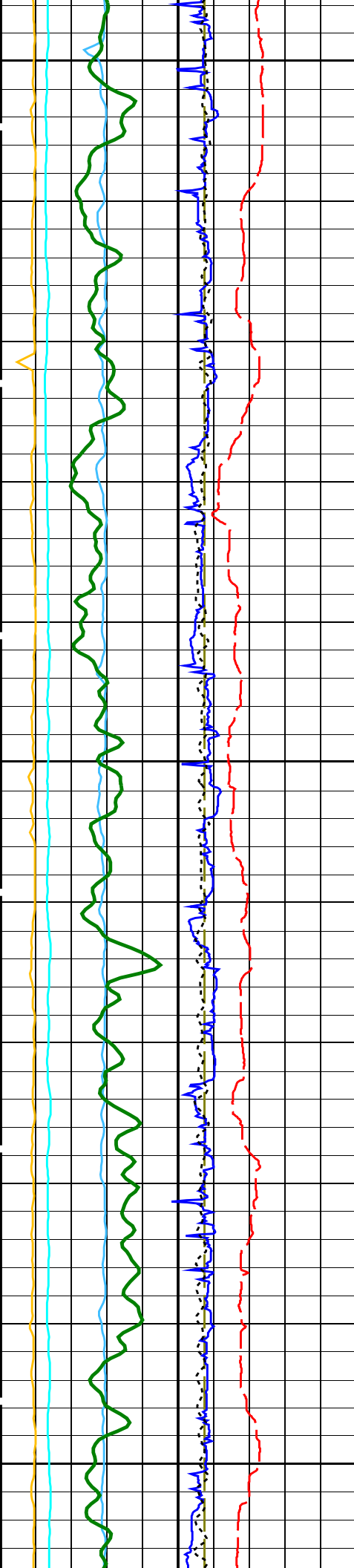




2175

2200

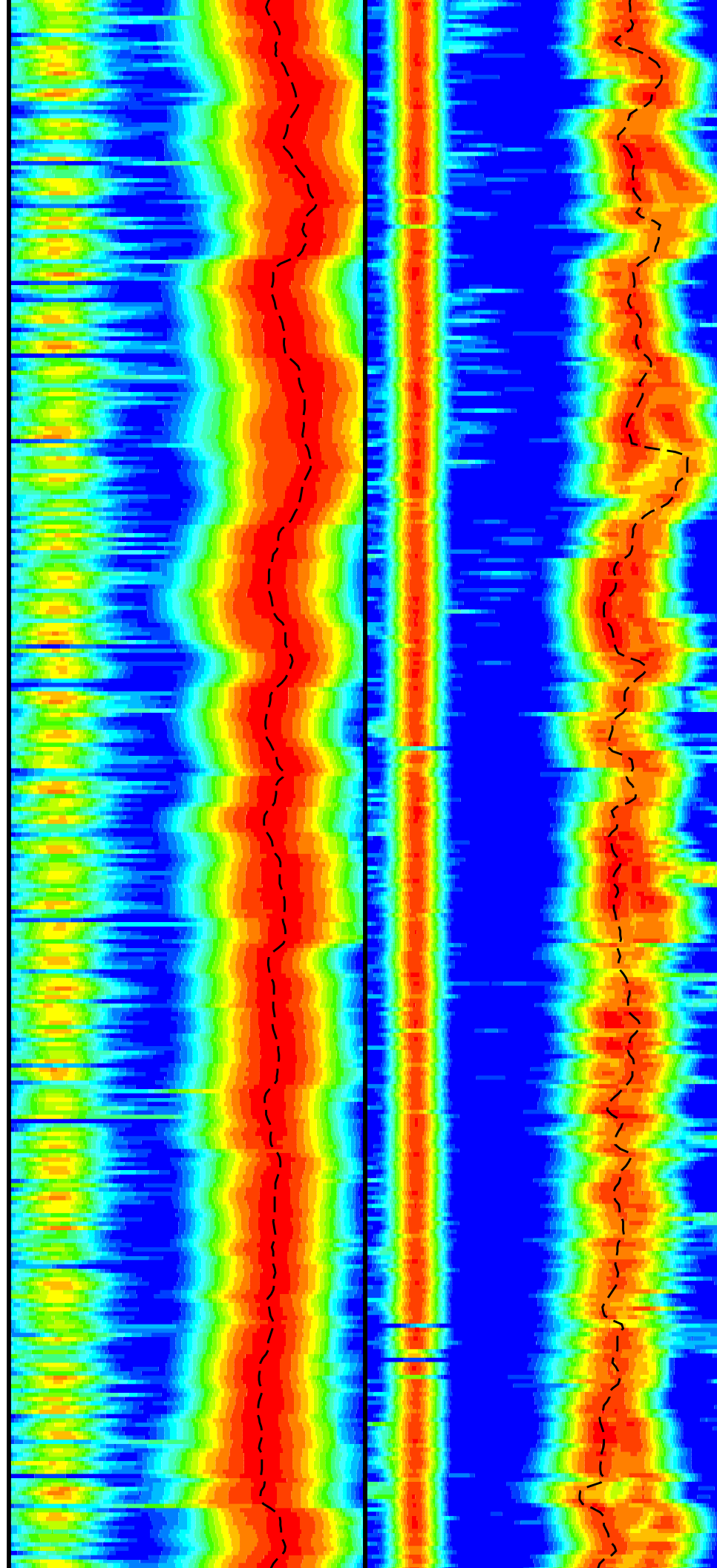


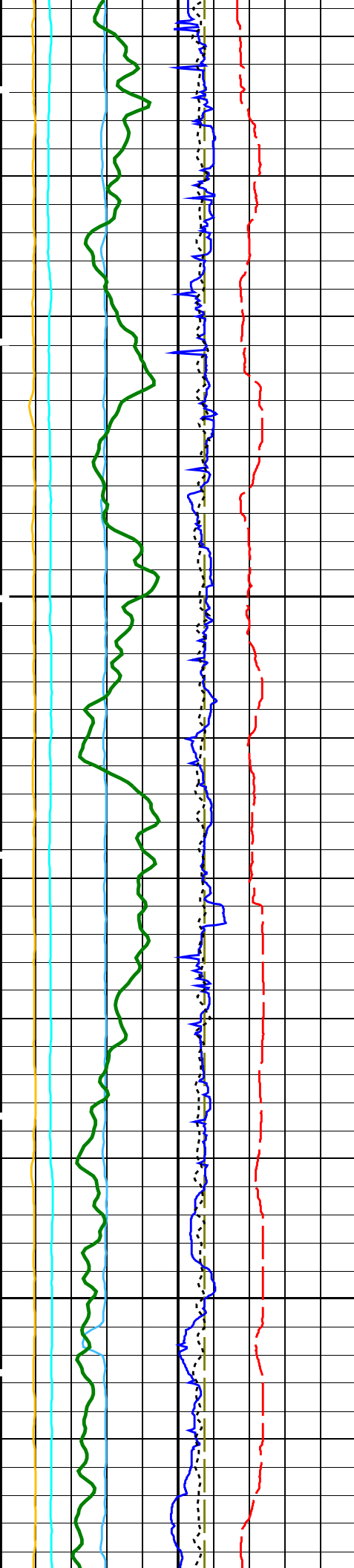


2225

2250

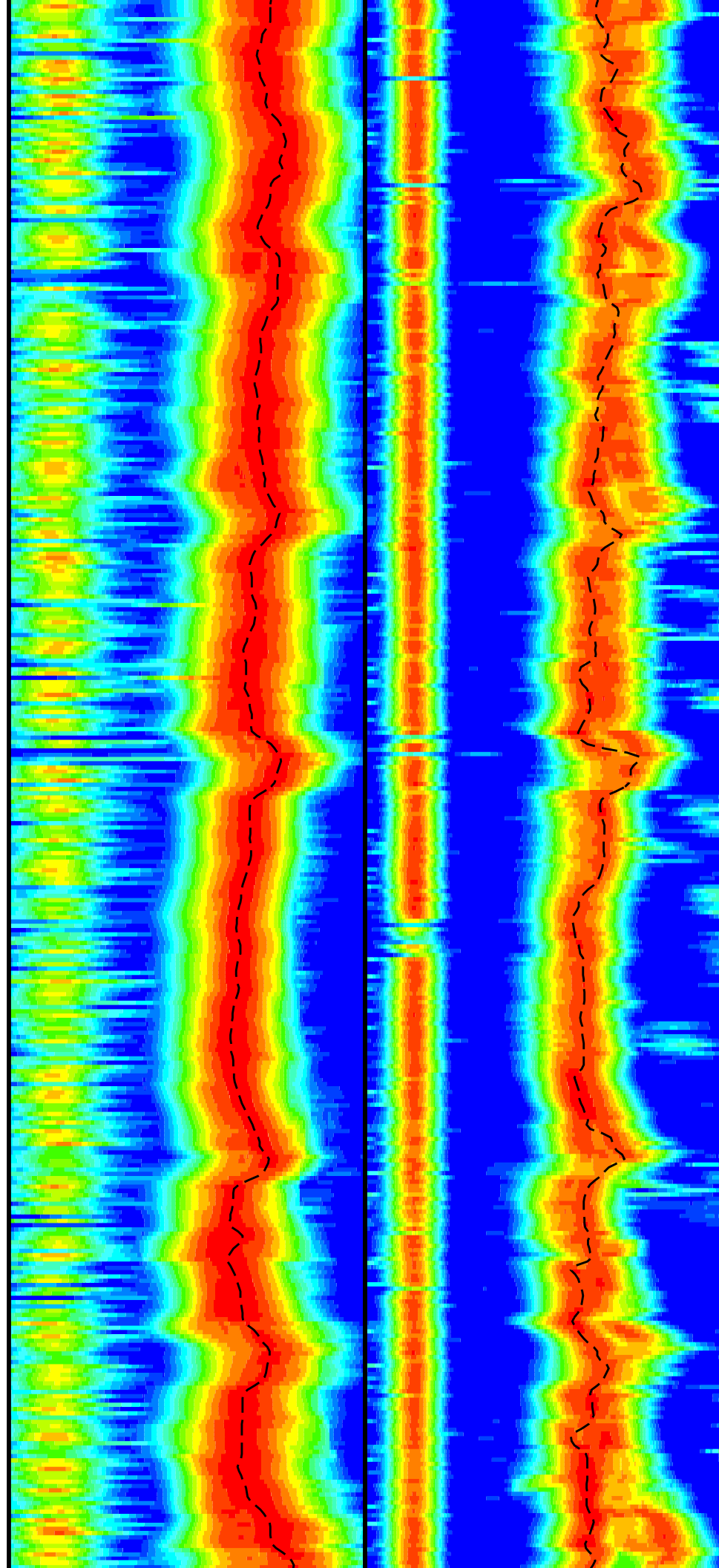
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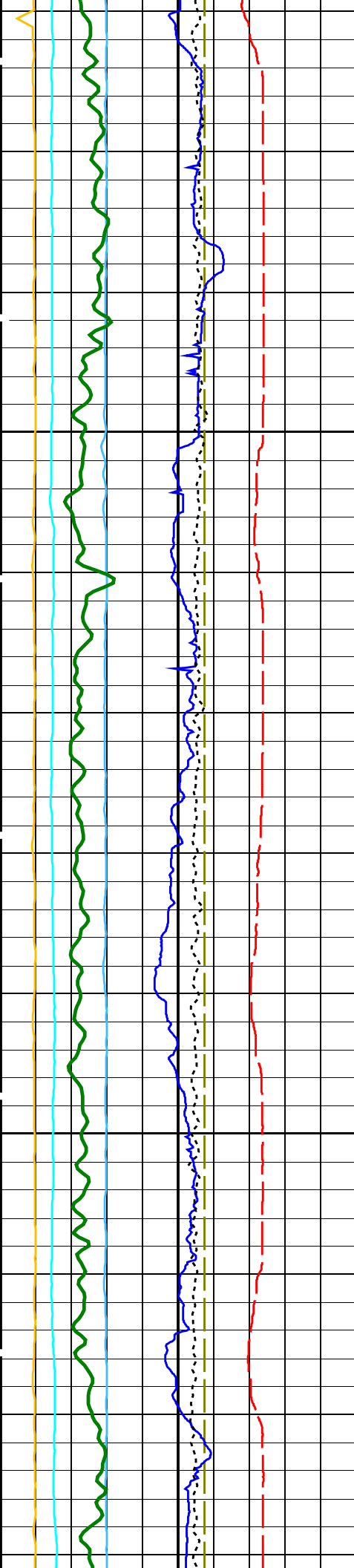




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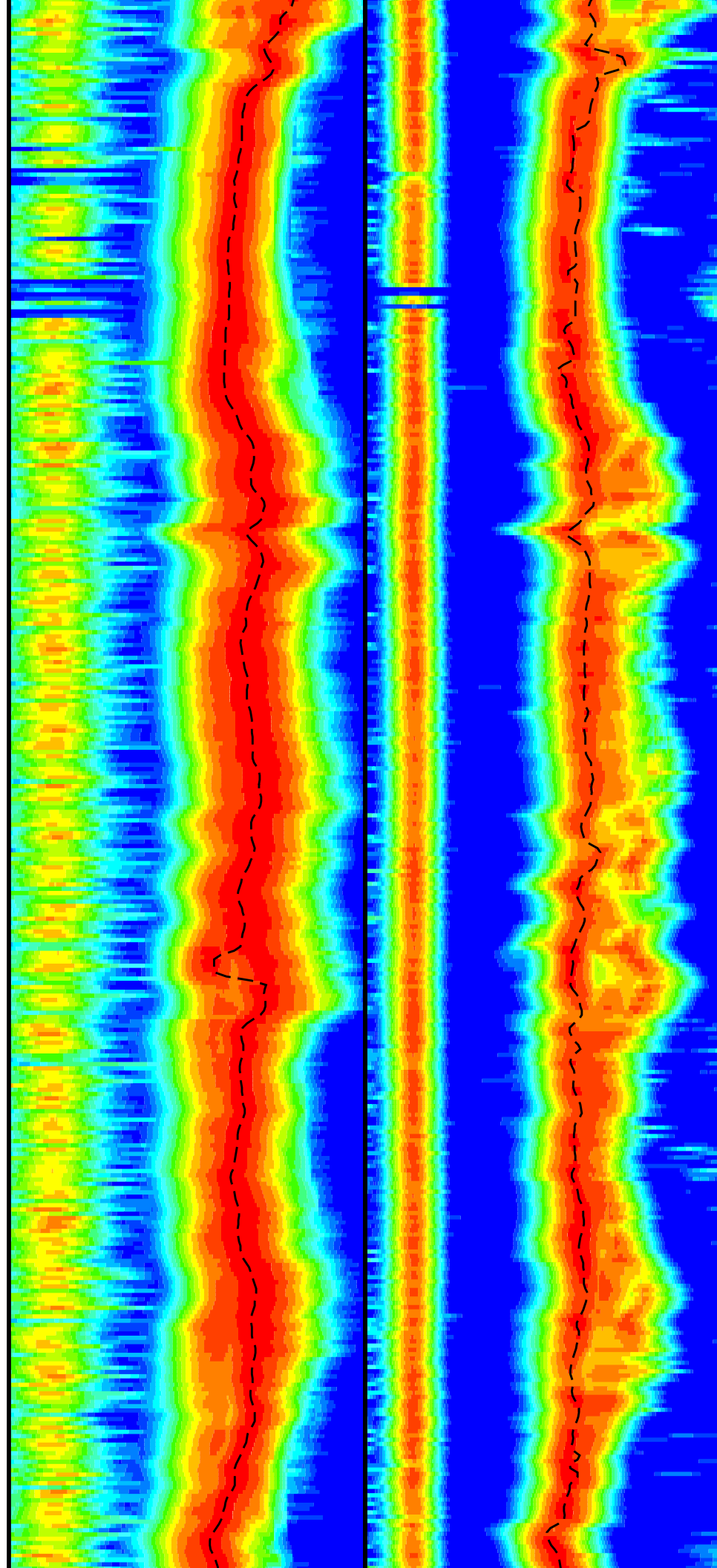
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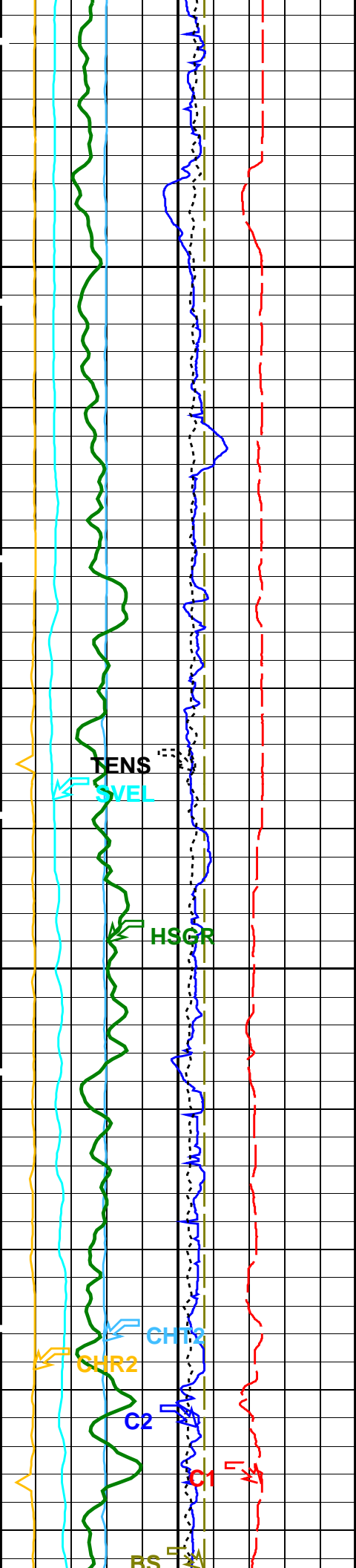




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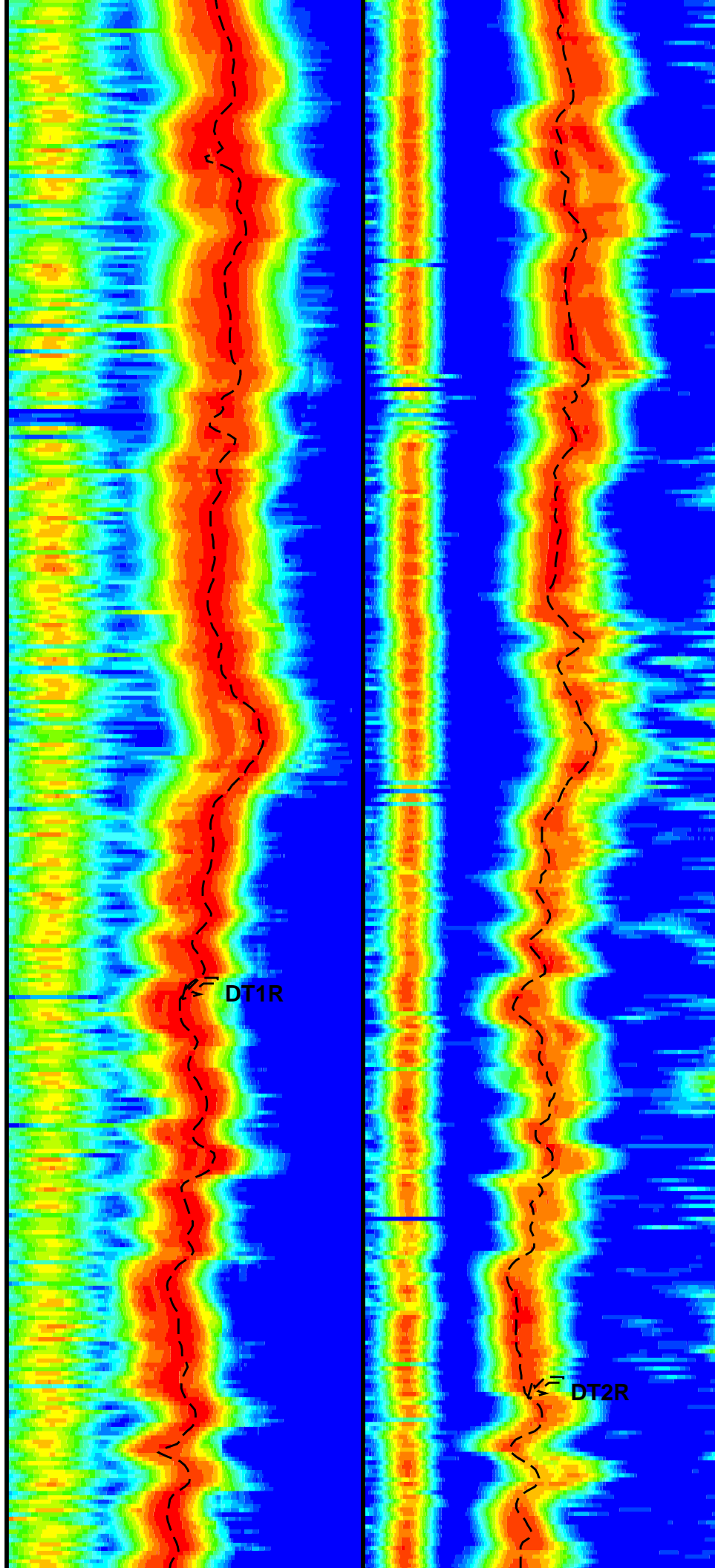
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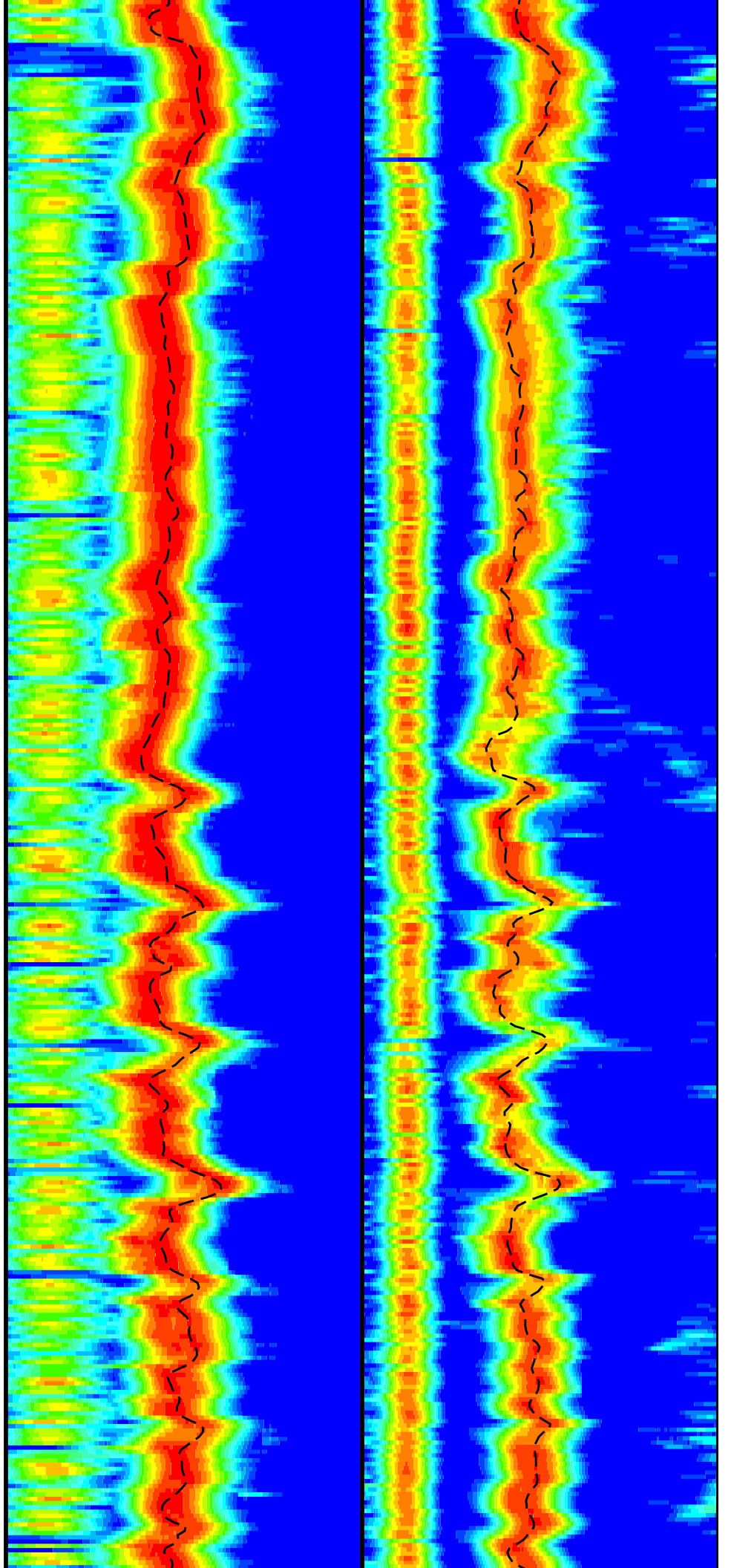
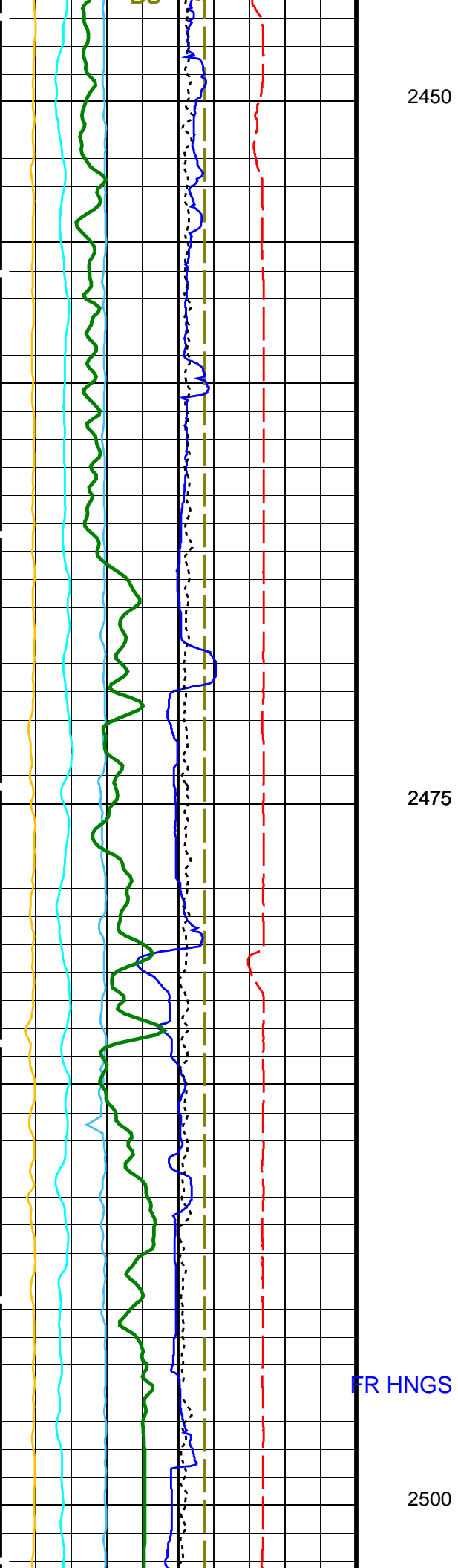


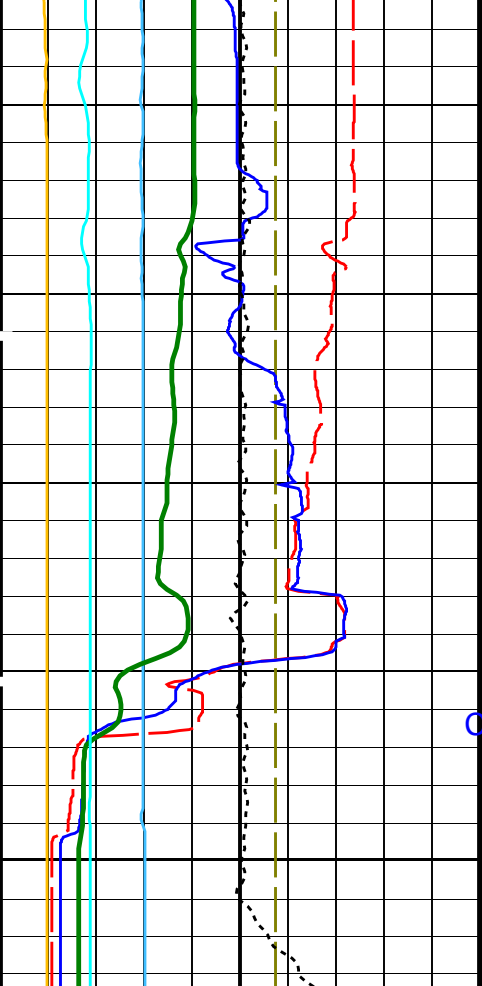


2400

2425





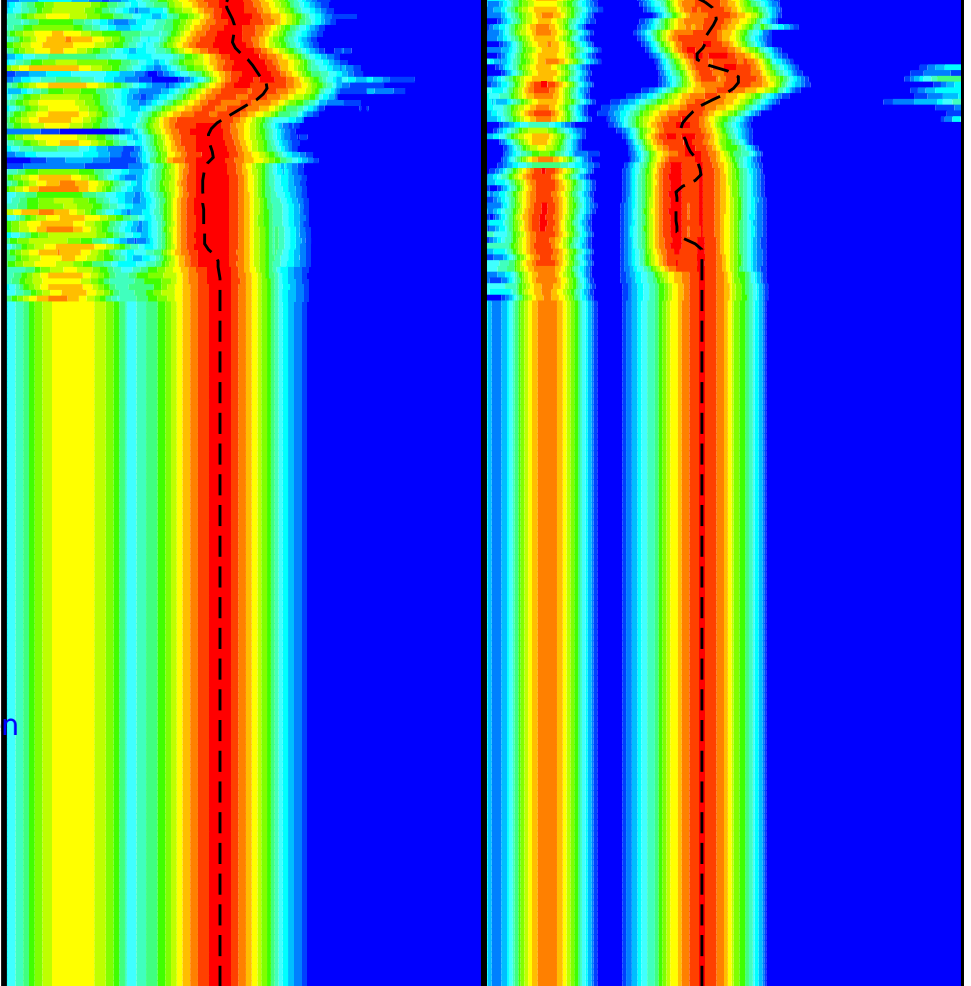


FR DSI

Caliper open

2525

TD



Bit Size (BS)
(IN) 0 20

Caliper 1 (C1)
(IN) 0 20

Caliper 2 (C2)
(IN) 0 20

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

Tension (TENS)
(LBF) 10000 0

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

Peak Coherence / TA - Upper Dipole
(CHT2)
(----) -2 8

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

Delta-T Shear / RA - Lower Dipole
(DT1R)
(US/F) 40 1040

Delta-T Shear / RA - Upper Dipole
(DT2R)
(US/F) 40 1040

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL
(SPR1)
(US/F) 40 1040

Min Amplitude Max
Rec.Array U.Dipole Slow Proj. CVDL
(SPR2)
(US/F) 40 1040

Uplog 2

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
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
DSI1	Digitizer Sample Interval 1	40	US
DSI2	Digitizer Sample Interval 2	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	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	C1	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
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
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SFM2	STC Filter - Upper Dipole	B1-2K	
SLL1	STC Slowness Lower Limit - Lower Dipole	40	US/F
SLL2	STC Slowness Lower Limit - Upper Dipole	40	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL1	STC Slowness Upper Limit - Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit - Upper Dipole	1040	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TST1	STC Time Step - Lower Dipole	200	US
TST2	STC Time Step - Upper Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	18960	US
TUL2	STC Time Upper Limit - Upper Dipole	18440	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN

HNGS-BA: Hostile Natural Gamma Ray Sonde

BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.000691847	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1RI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS

S2BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
TPOS	HNGS Standard Gamma-Ray Correction Flag	YES	
VBA1	Tool Position	CENT	
VBA2	HNGS Detector 1 Variable Barite Factor Running Average	0.95358	
	HNGS Detector 2 Variable Barite Factor Running Average	0.972341	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: UpperLowerDipole_40_1040

Vertical Scale: 1:200

Graphics File Created: 28-Jun-2021 22:42

OP System Version: 19C0-187					
MEST-B	19C0-187	DTA-A	19C0-187		
DSST-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	DTC-H	19C0-187		
Input DLIS Files					
FMS_DSI_NGS_021LUP	FN:35	28-Jun-2021 16:23	2528.3 M	1868.9 M	
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_031PUP	FN:46	PRODUCER	28-Jun-2021 22:42	

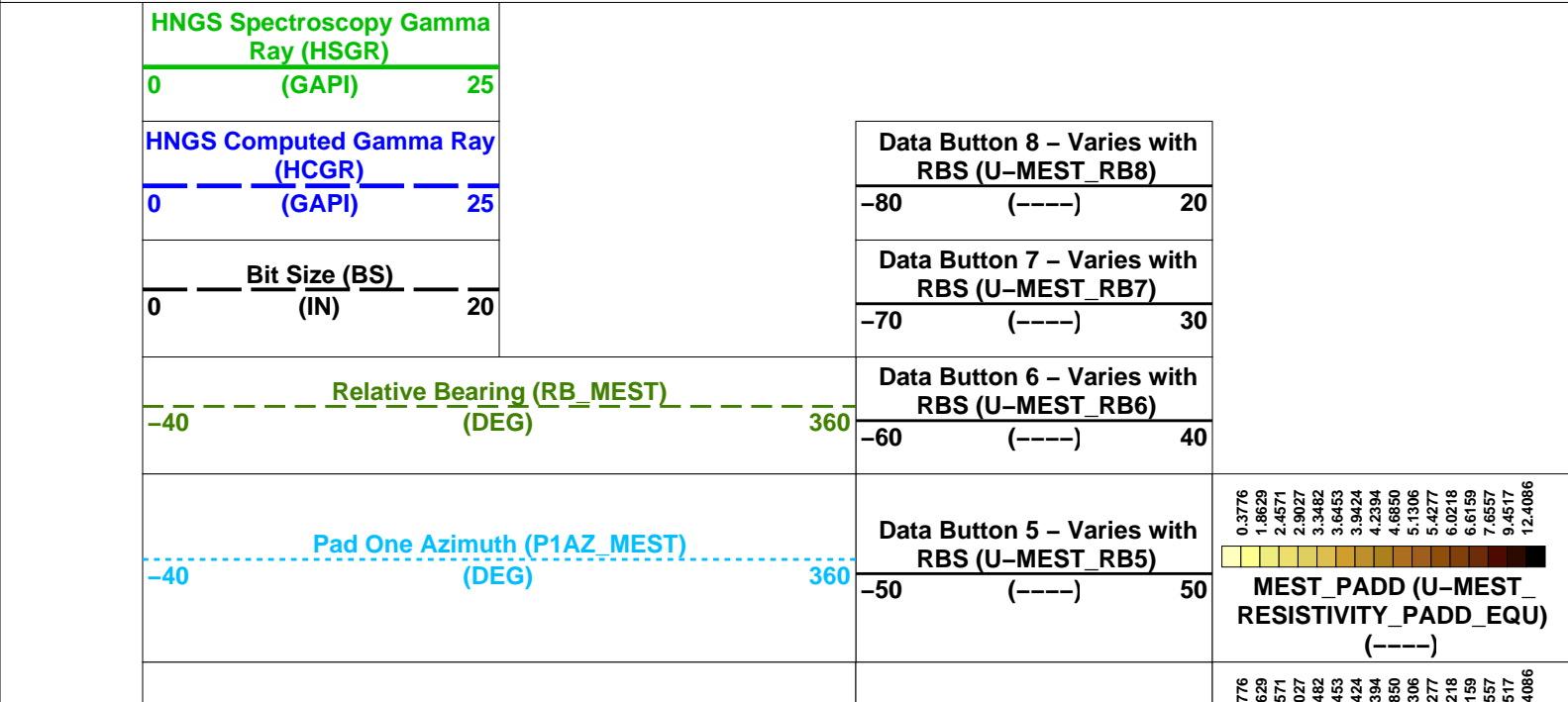
Company: International Ocean Discovery Program

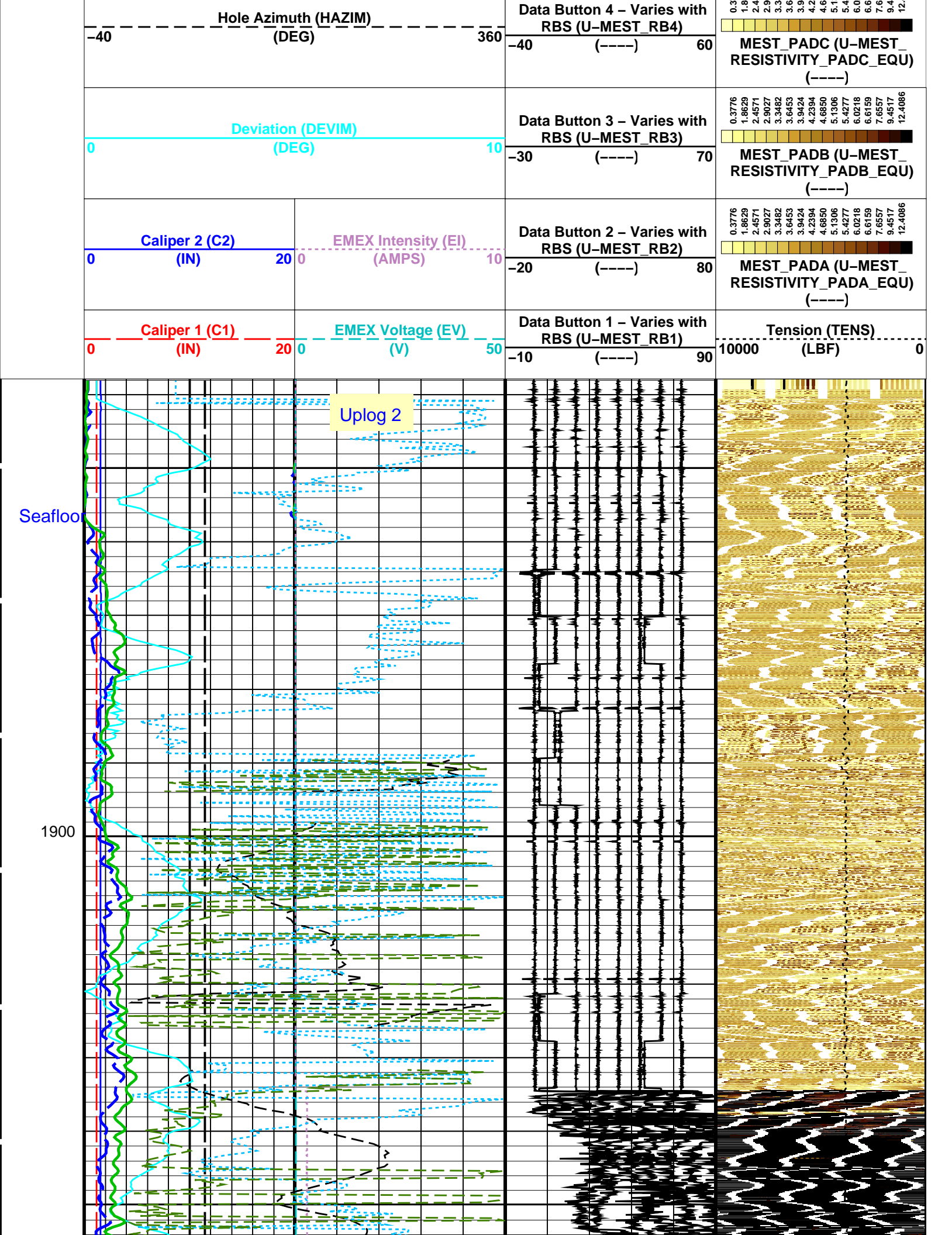
Well: Expedition 395C, Site U1554E

Input DLIS Files					
FMS_DSI_NGS_021LUP	FN:35	28-Jun-2021 16:23	2528.3 M	1868.9 M	
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_031PUP	FN:46	PRODUCER	28-Jun-2021 22:42	2528.3 M
1868.9 M					
OP System Version: 19C0-187					
MEST-B	19C0-187	DTA-A	19C0-187		
DSST-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	DTC-H	19C0-187		

PIP SUMMARY

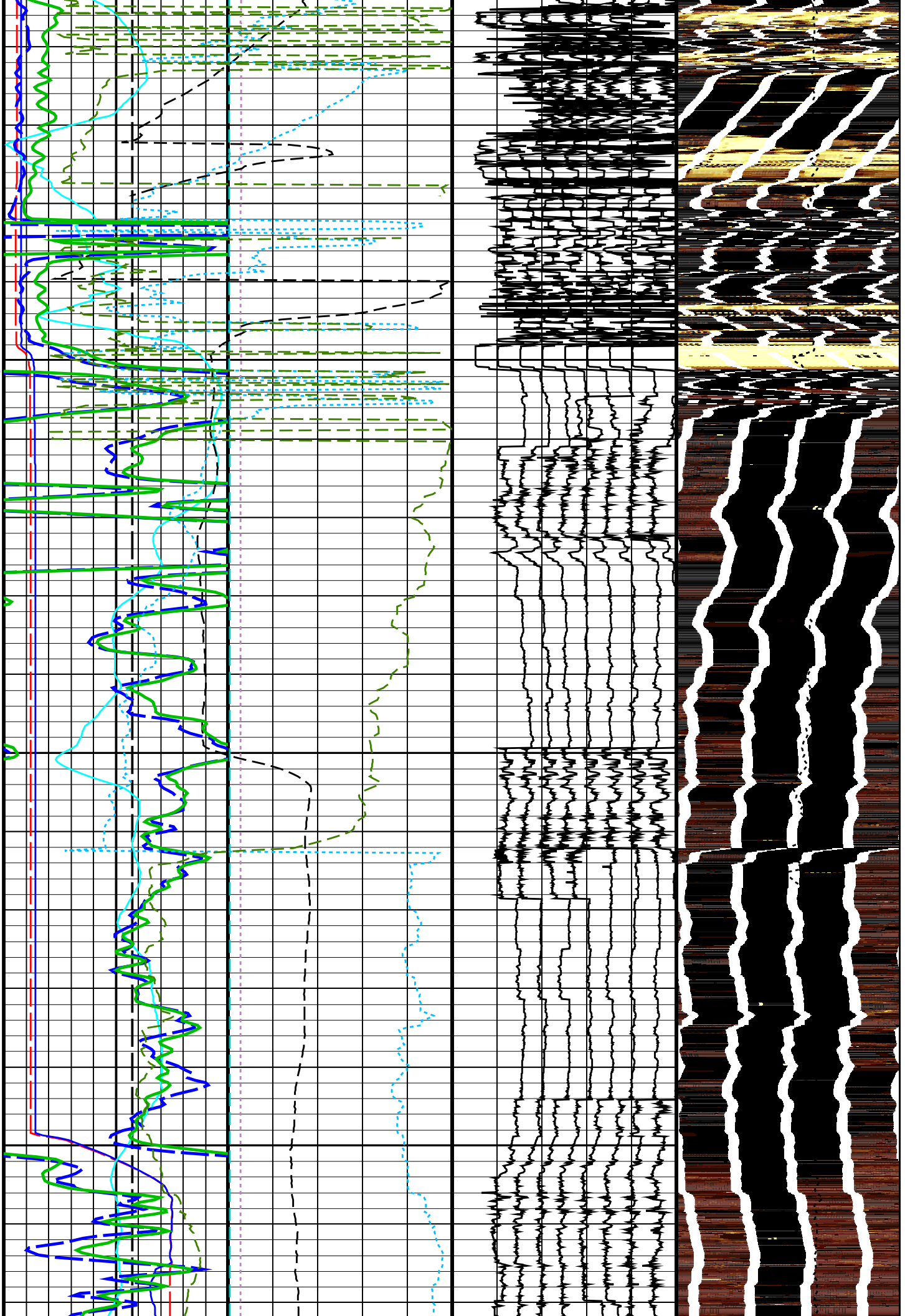
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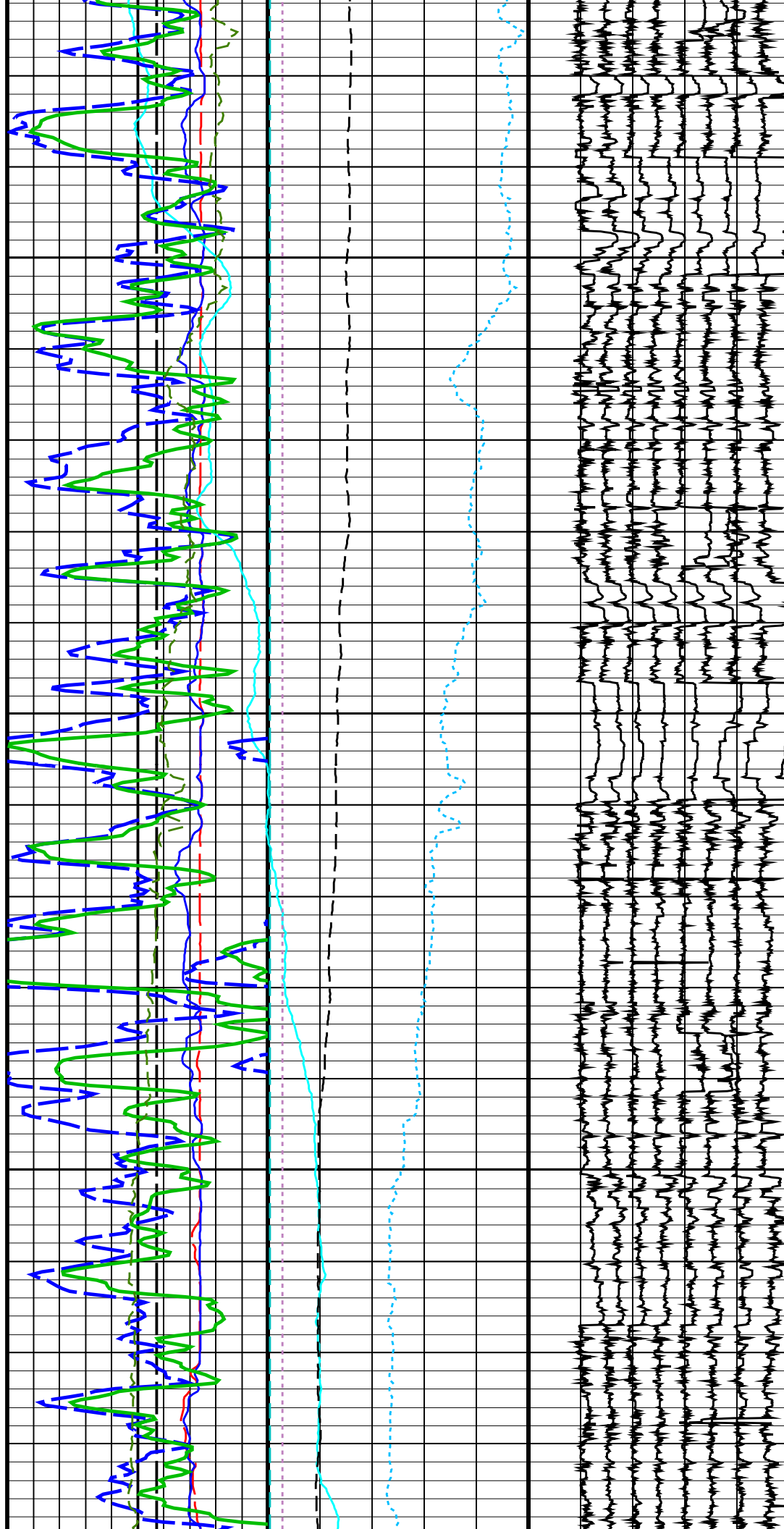




1950
Drillpipe

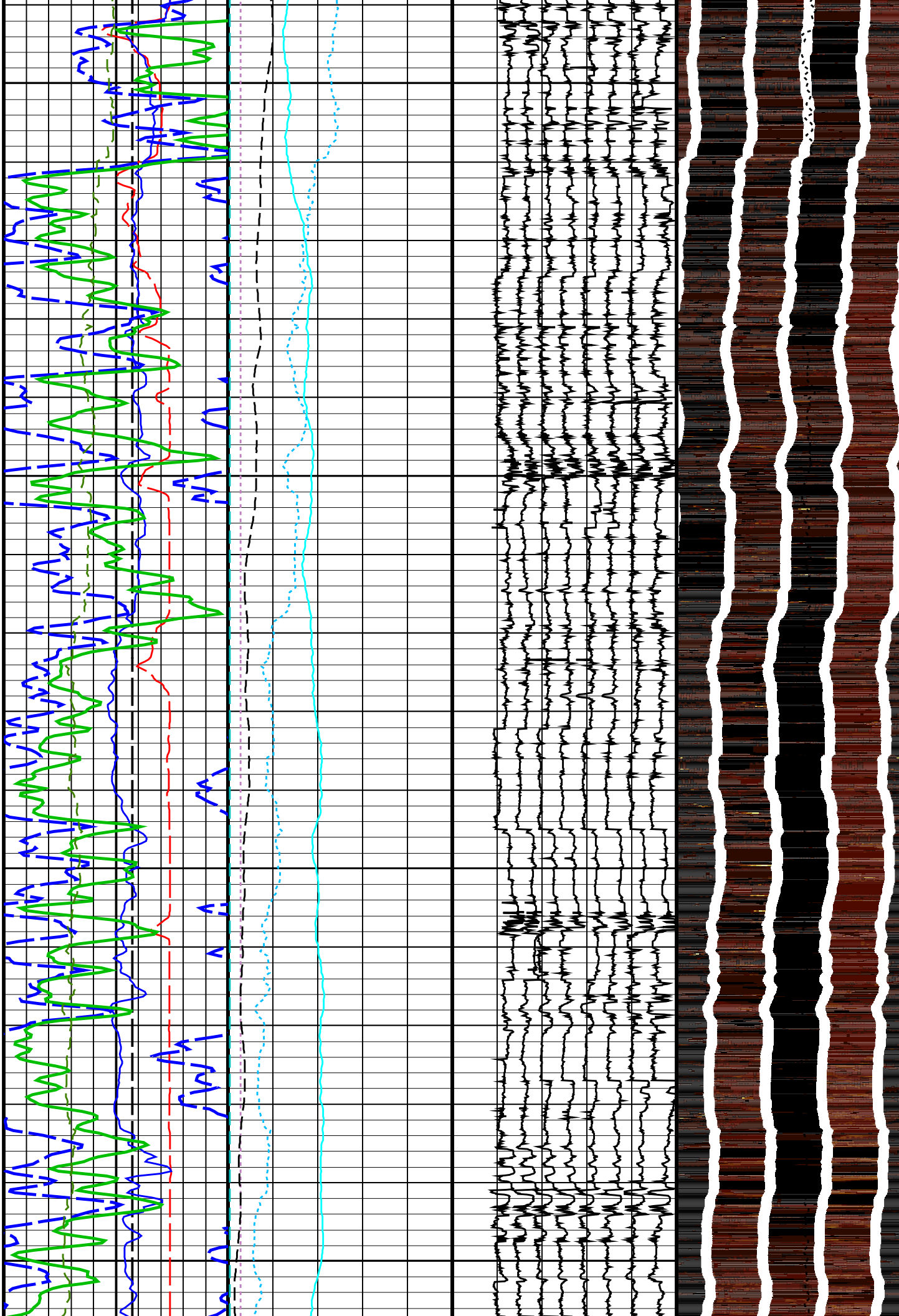
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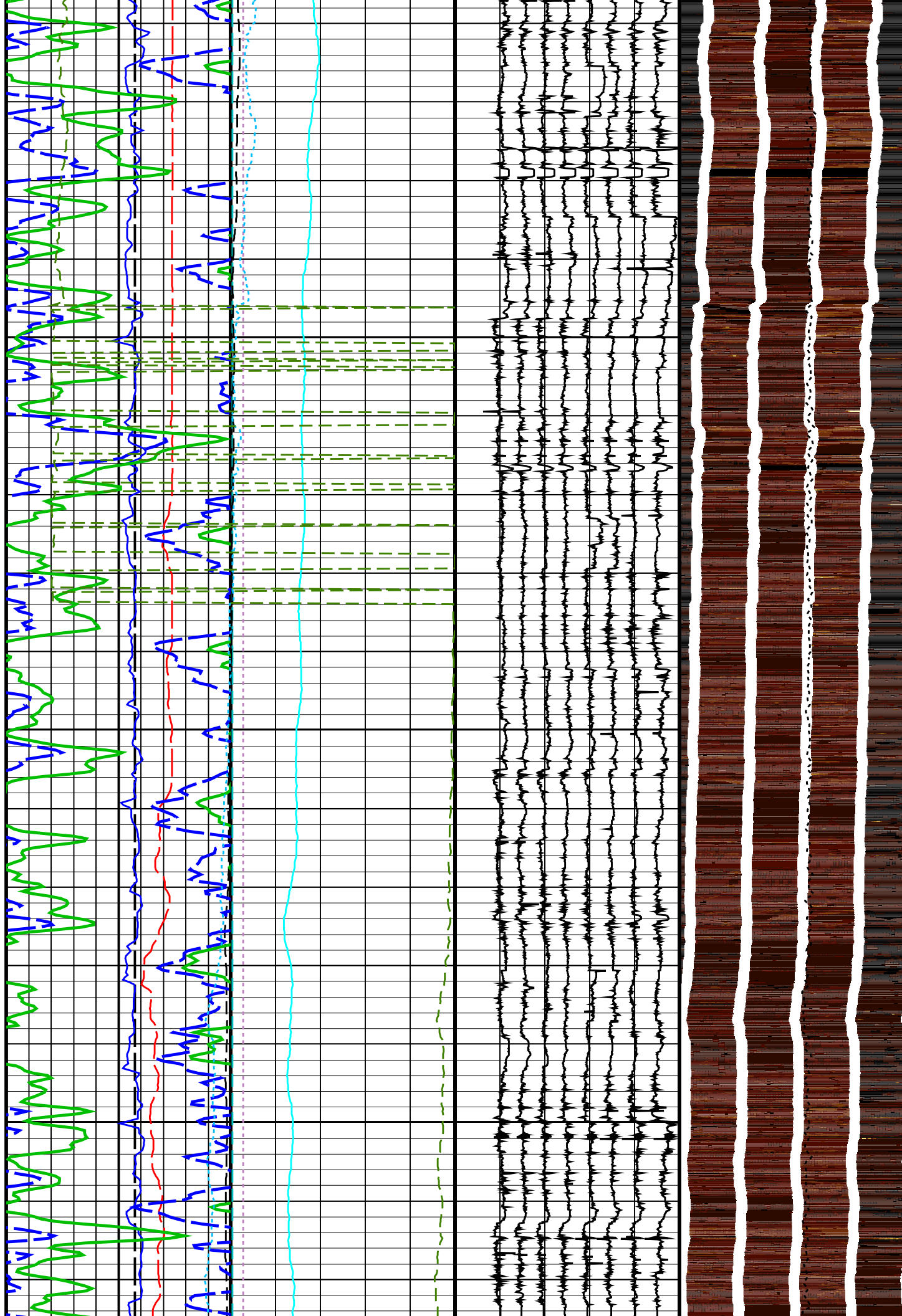
2100

2150

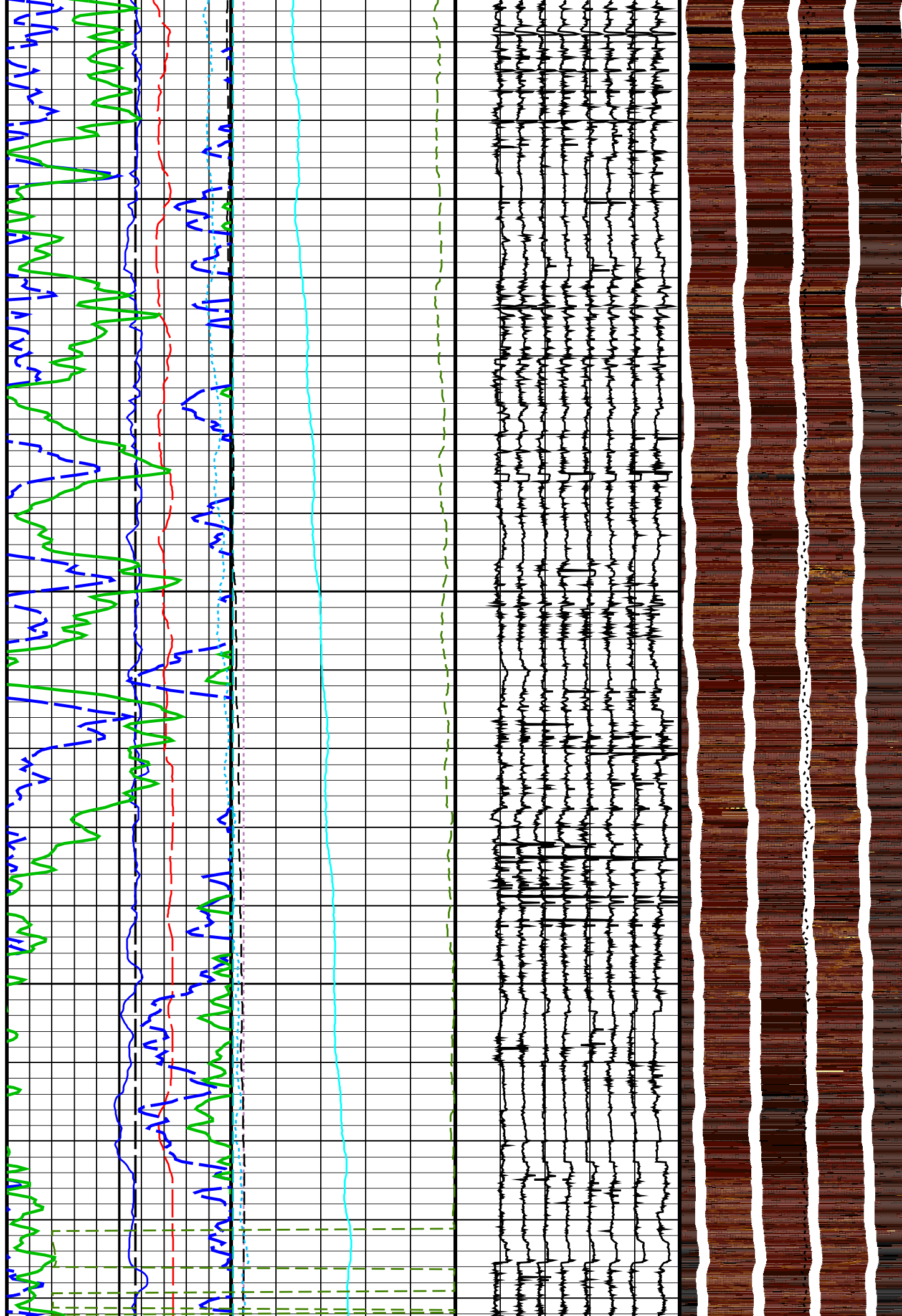


2200

2250

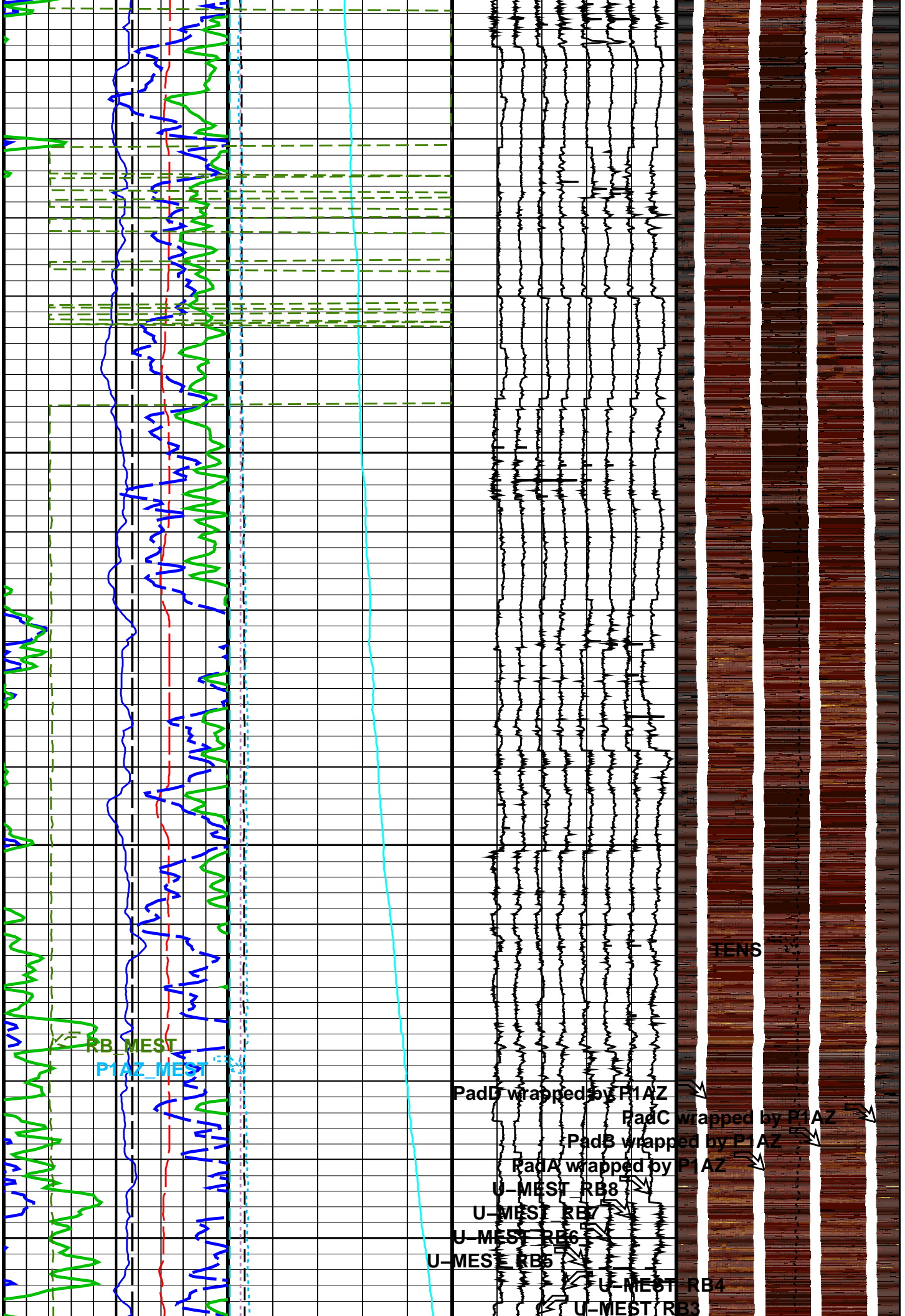


2300



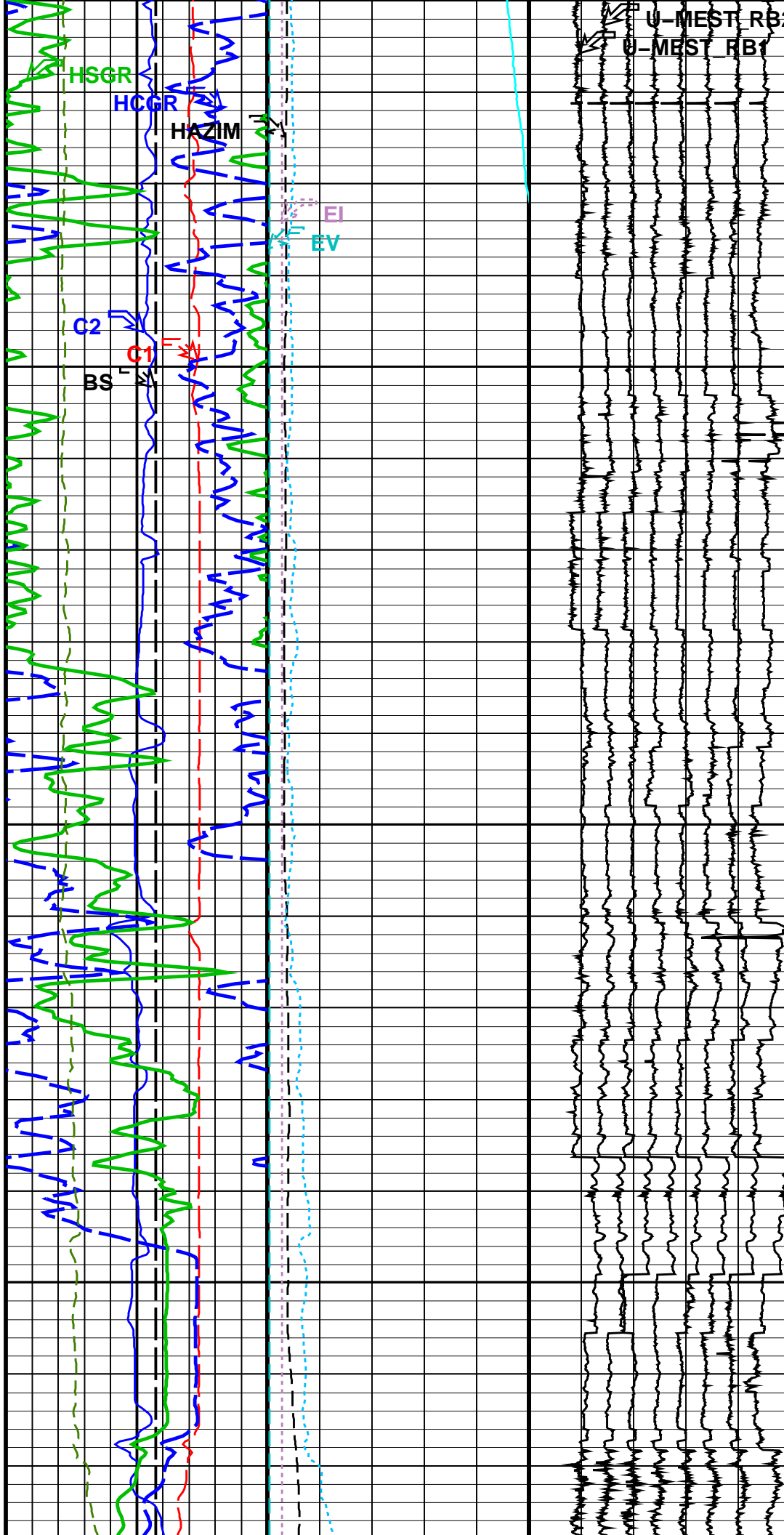
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2400

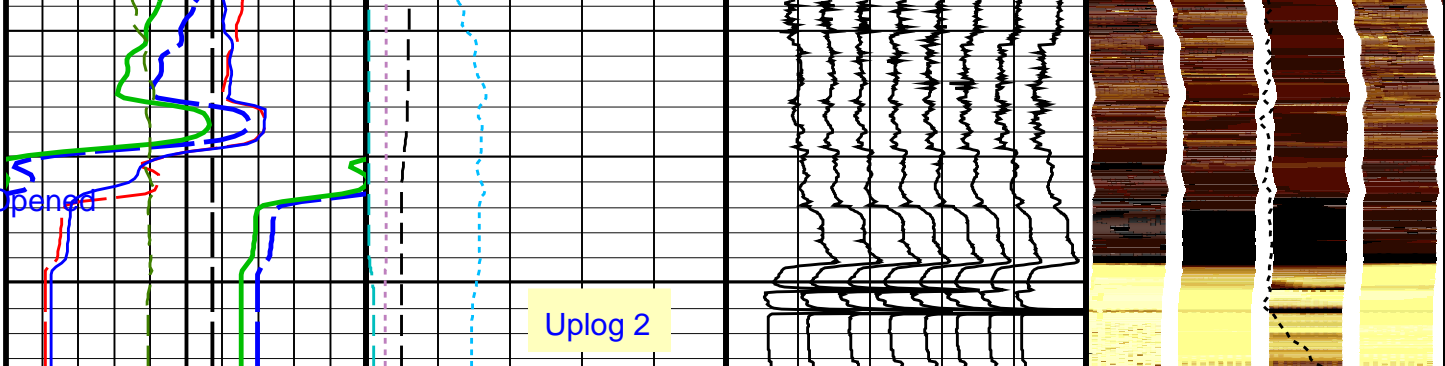


2450

2500



Caliper Opened
FR FMS



Caliper 1 (C1) (IN) 0 20		EMEX Voltage (EV) (V) 0 50	Data Button 1 – Varies with RBS (U-MEST_RB1) -10 (----) 90	Tension (TENS) (LBF) 10000 0
Caliper 2 (C2) (IN) 0 20		EMEX Intensity (EI) (AMPS) 0 10	Data Button 2 – Varies with RBS (U-MEST_RB2) -20 (----) 80	0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086 MEST_PADA (U-MEST_RESISTIVITY_PADA_EQU) (----)
Deviation (DEVIM) (DEG) 0 10			Data Button 3 – Varies with RBS (U-MEST_RB3) -30 (----) 70	0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086 MEST_PADB (U-MEST_RESISTIVITY_PADB_EQU) (----)
Hole Azimuth (HAZIM) (DEG) -40 360			Data Button 4 – Varies with RBS (U-MEST_RB4) -40 (----) 60	0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086 MEST_PADC (U-MEST_RESISTIVITY_PADC_EQU) (----)
Pad One Azimuth (P1AZ_MEST) (DEG) -40 360			Data Button 5 – Varies with RBS (U-MEST_RB5) -50 (----) 50	0.3776 1.8629 2.4571 2.9027 3.3482 3.6453 3.9424 4.2394 4.6850 5.1306 5.4277 6.0218 6.6159 7.6557 9.4517 12.4086 MEST_PADD (U-MEST_RESISTIVITY_PADD_EQU) (----)
Relative Bearing (RB_MEST) (DEG) -40 360			Data Button 6 – Varies with RBS (U-MEST_RB6) -60 (----) 40	
Bit Size (BS) (IN) 0 20			Data Button 7 – Varies with RBS (U-MEST_RB7) -70 (----) 30	
HNGS Computed Gamma Ray (HCGR) (GAPI) 0 25			Data Button 8 – Varies with RBS (U-MEST_RB8) -80 (----) 20	
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 25				

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MEST-B: Micro Electrical Scanner – B (Slim)		
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION
MDEC	Magnetic Field Declination	-13.1645 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN 2

XOFF	DSST-B: Dipole Shear Imager – B	Offset	OFFSET_0	
BHS	Borehole Status		OPEN	
GCSE	Generalized Caliper Selection		C1	
	HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant		1	
BAR2	HNGS Detector 2 Barite Constant		1	
BHK	HNGS Borehole Potassium Correction Concentration		0	
BHS	Borehole Status		OPEN	
CSD1	Inner Casing Outer Diameter		0	IN
CSD2	Outer Casing Outer Diameter		0	IN
CSW1	Inner Casing Weight		0	LB/F
CSW2	Outer Casing Weight		0	LB/F
DBCC	HNGS Barite Constant Correction Flag		NONE	
GCSE	Generalized Caliper Selection		C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing		ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing		ALLOW	
HABK	HNGS Borehole Potassium Running Average		-0.000691847	
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		CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average		0.95358	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average		0.972341	
	System and Miscellaneous			
BS	Bit Size		11.438	IN
DFD	Drilling Fluid Density		1.26	G/C3
DO	Depth Offset for Playback		0.0	M
PP	Playback Processing		RECOMPUTE	

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:300 Graphics File Created: 28-Jun-2021 22:42

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

Input DLIS Files

FMS_DSI_NGS_021LUP	FN:35	28-Jun-2021 16:23	2528.3 M	1868.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:46	PRODUCER	28-Jun-2021 22:42
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Input DLIS Files

FMS_DSI_NGS_021LUP	FN:35	28-Jun-2021 16:23	2528.3 M	1868.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:46	PRODUCER	28-Jun-2021 22:42	2528.3 M	1868.9 M
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OP System Version: 19C0-187

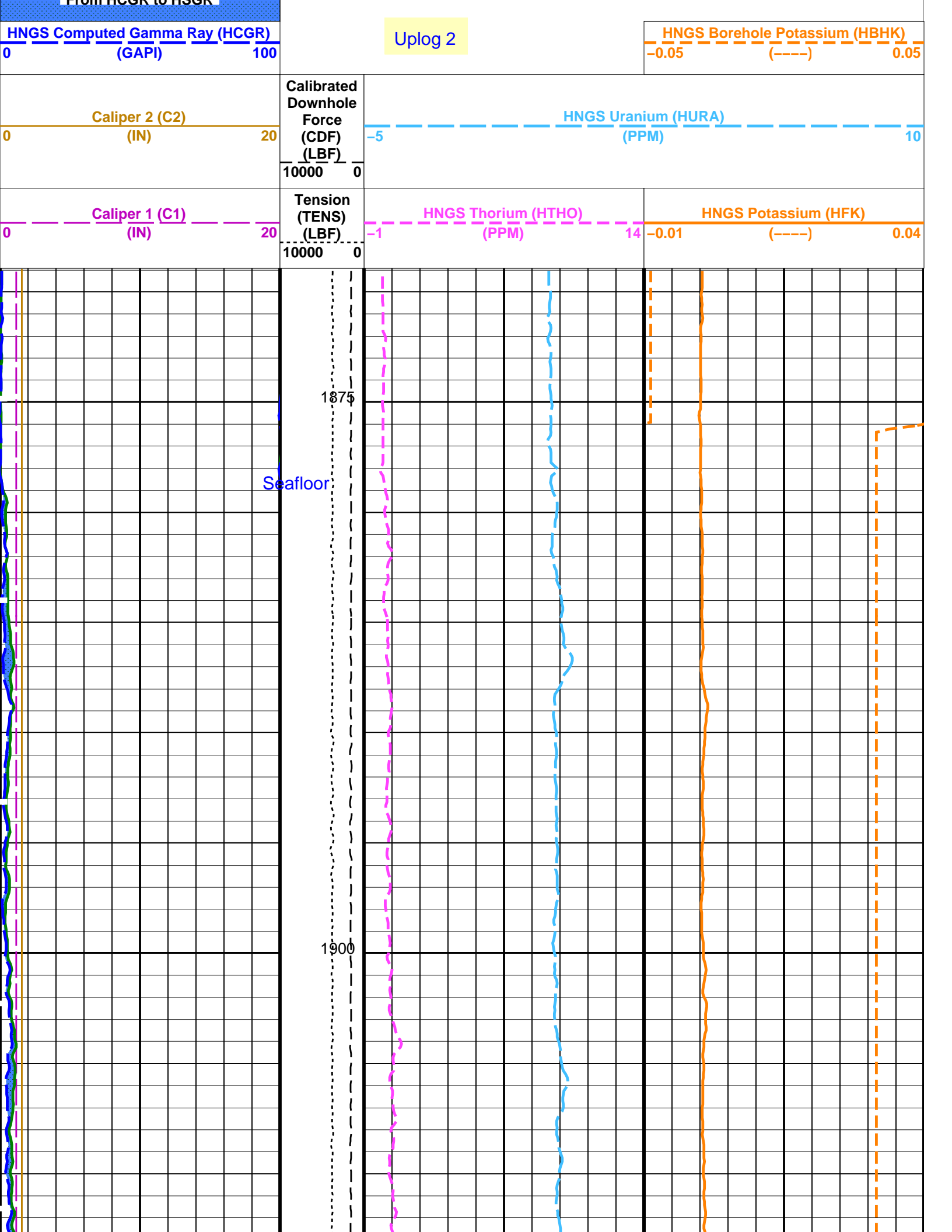
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DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

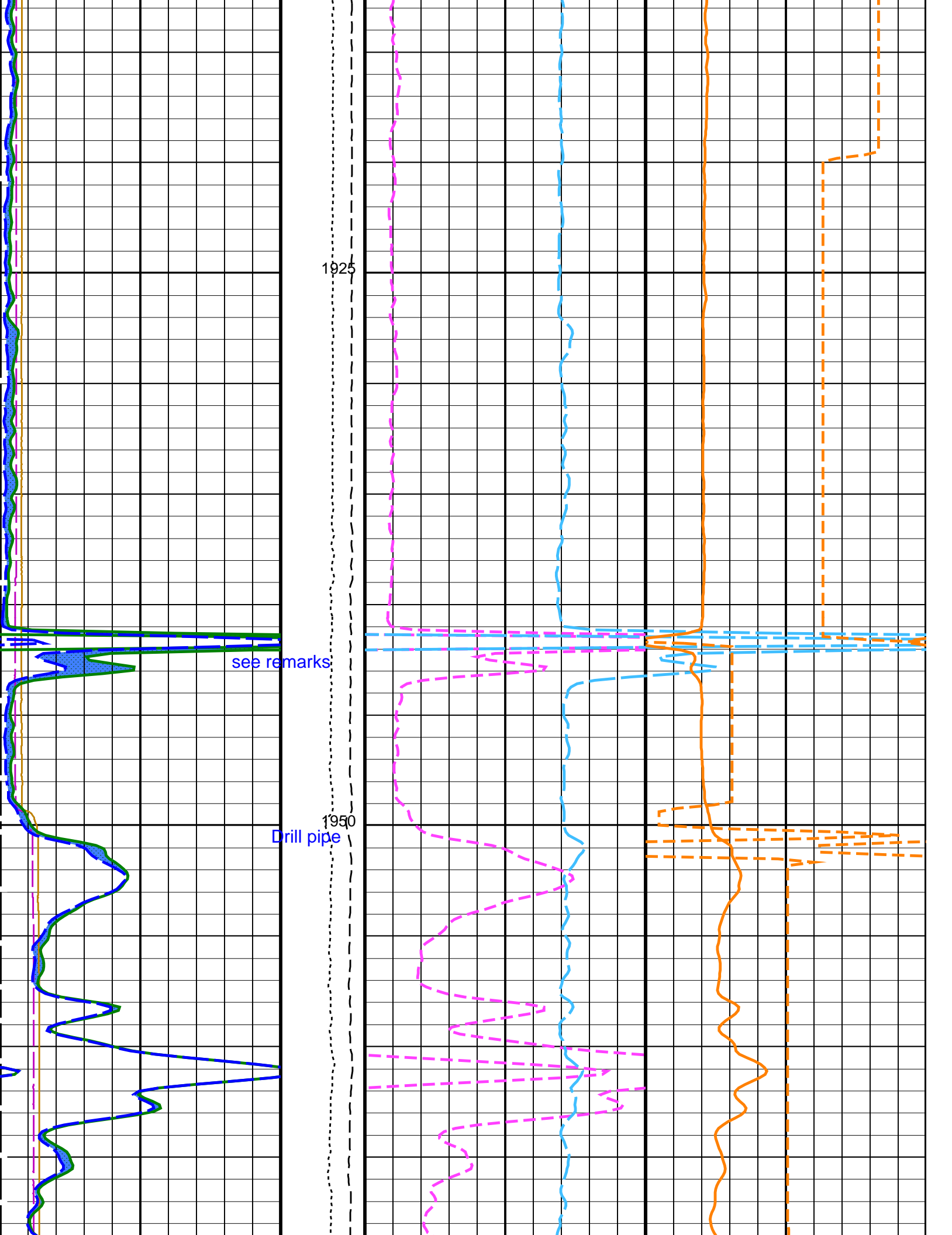
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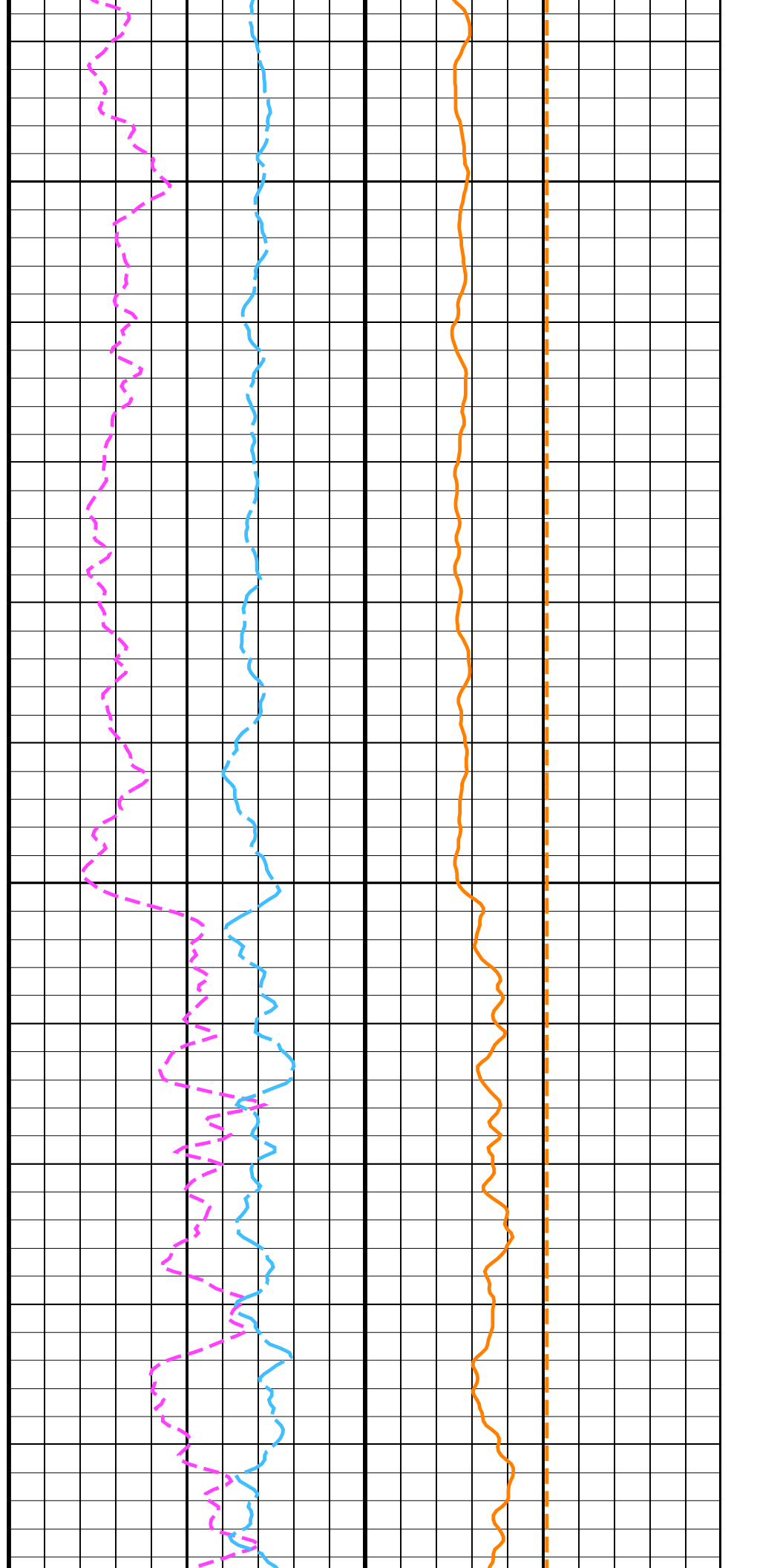
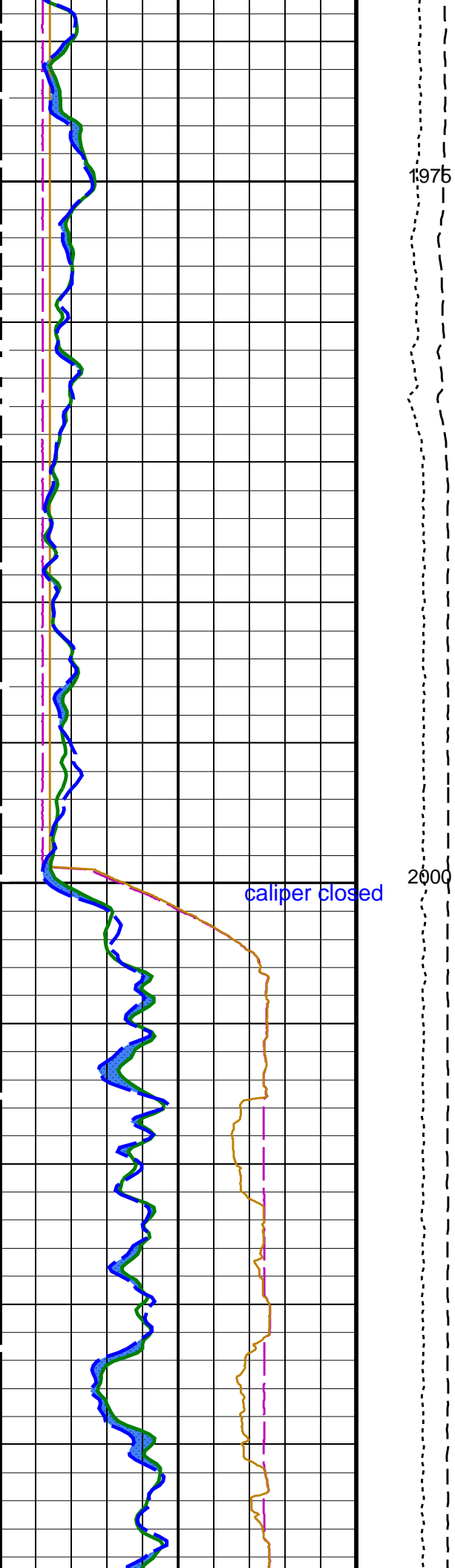
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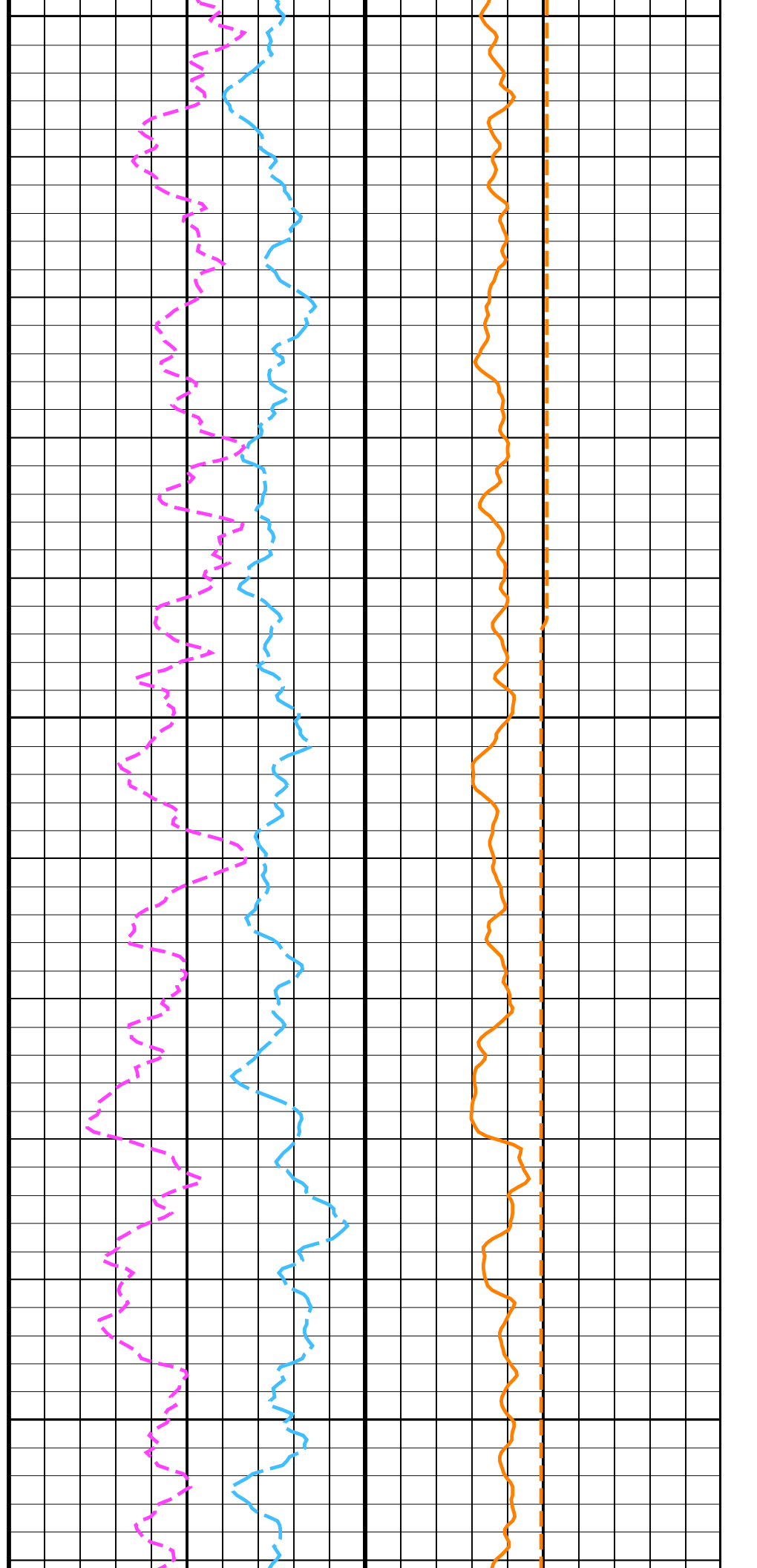
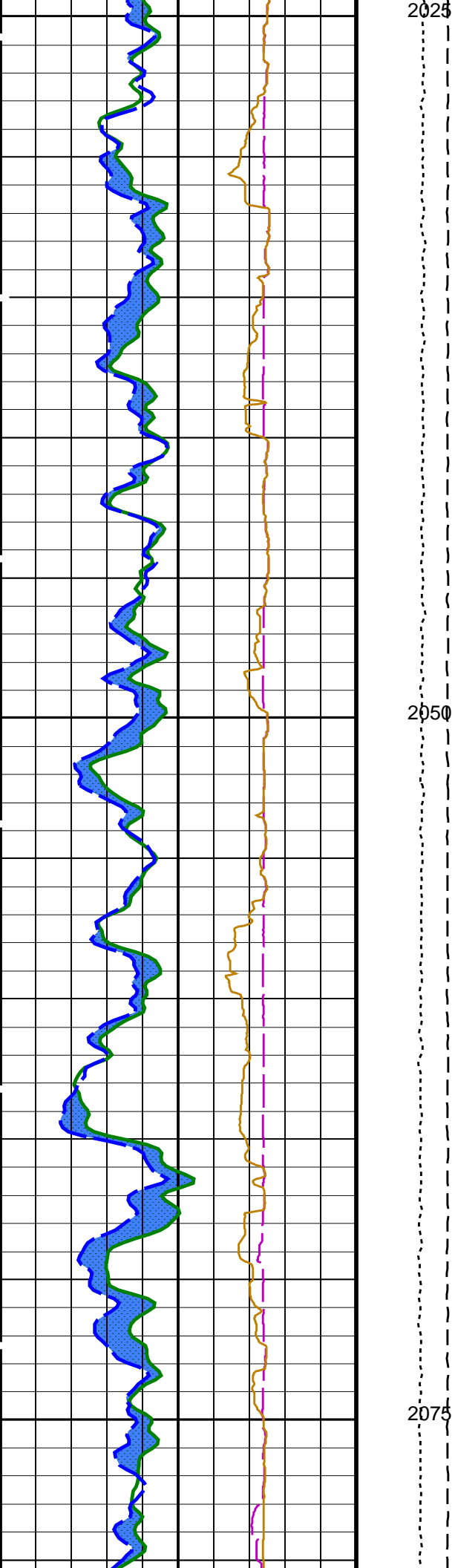
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0	(GAPI)	100

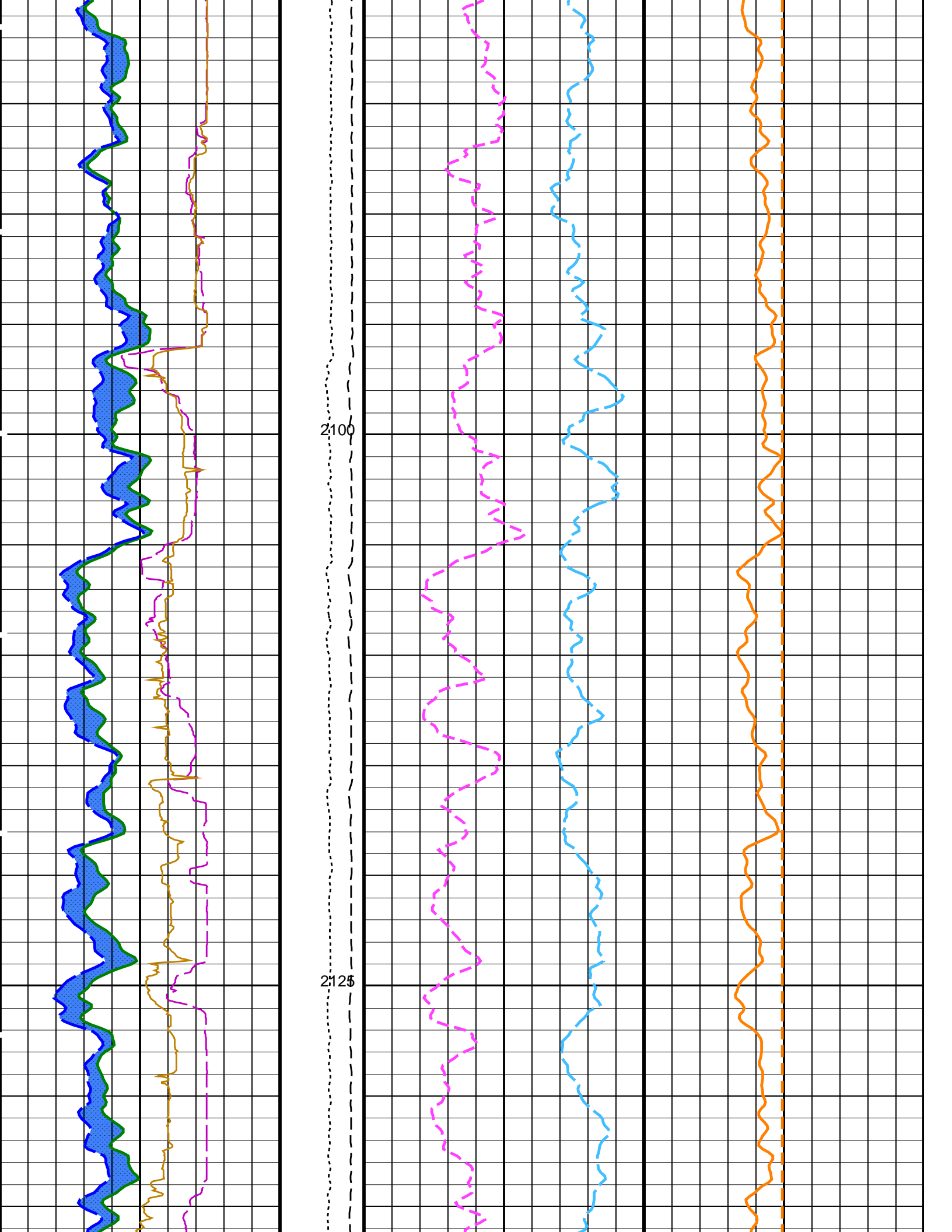
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From HCGP to HSGP

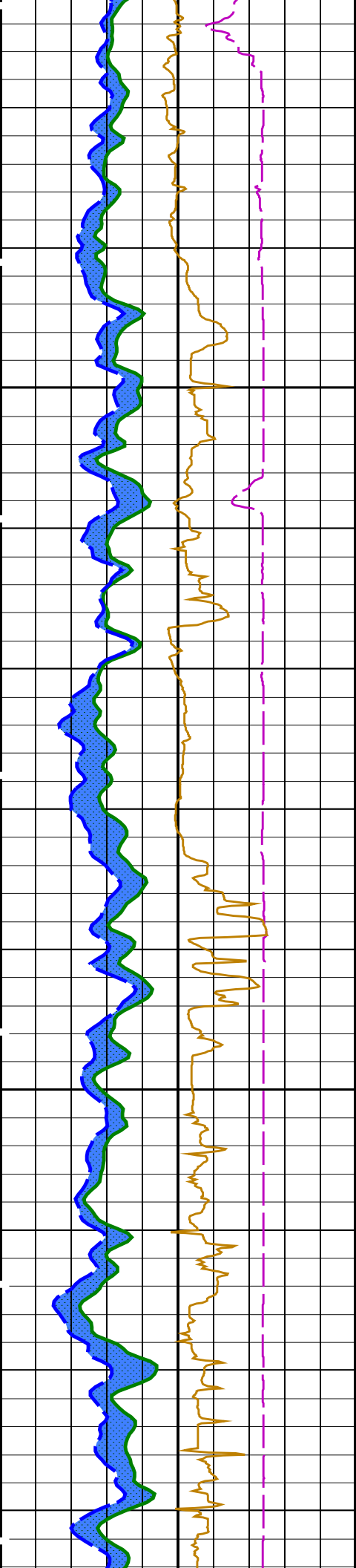






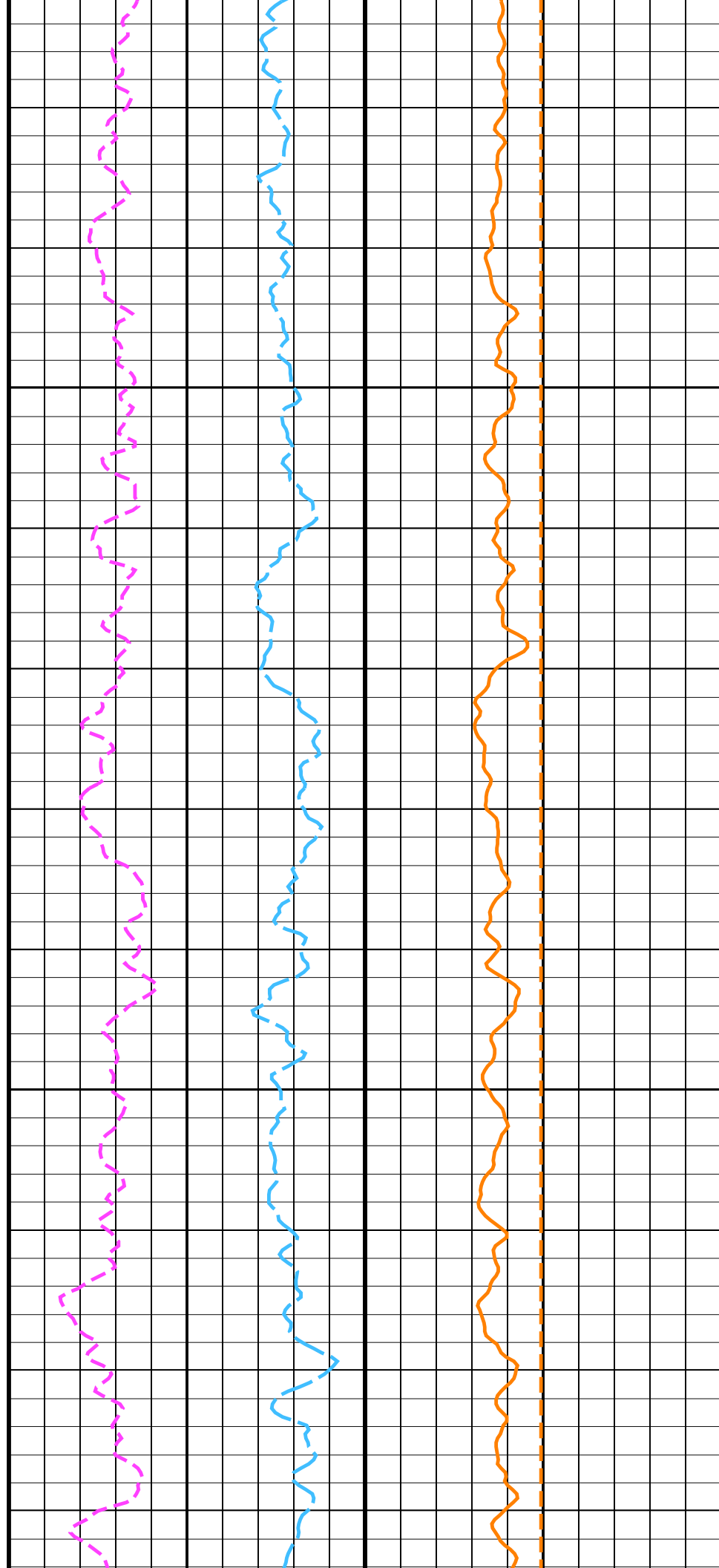


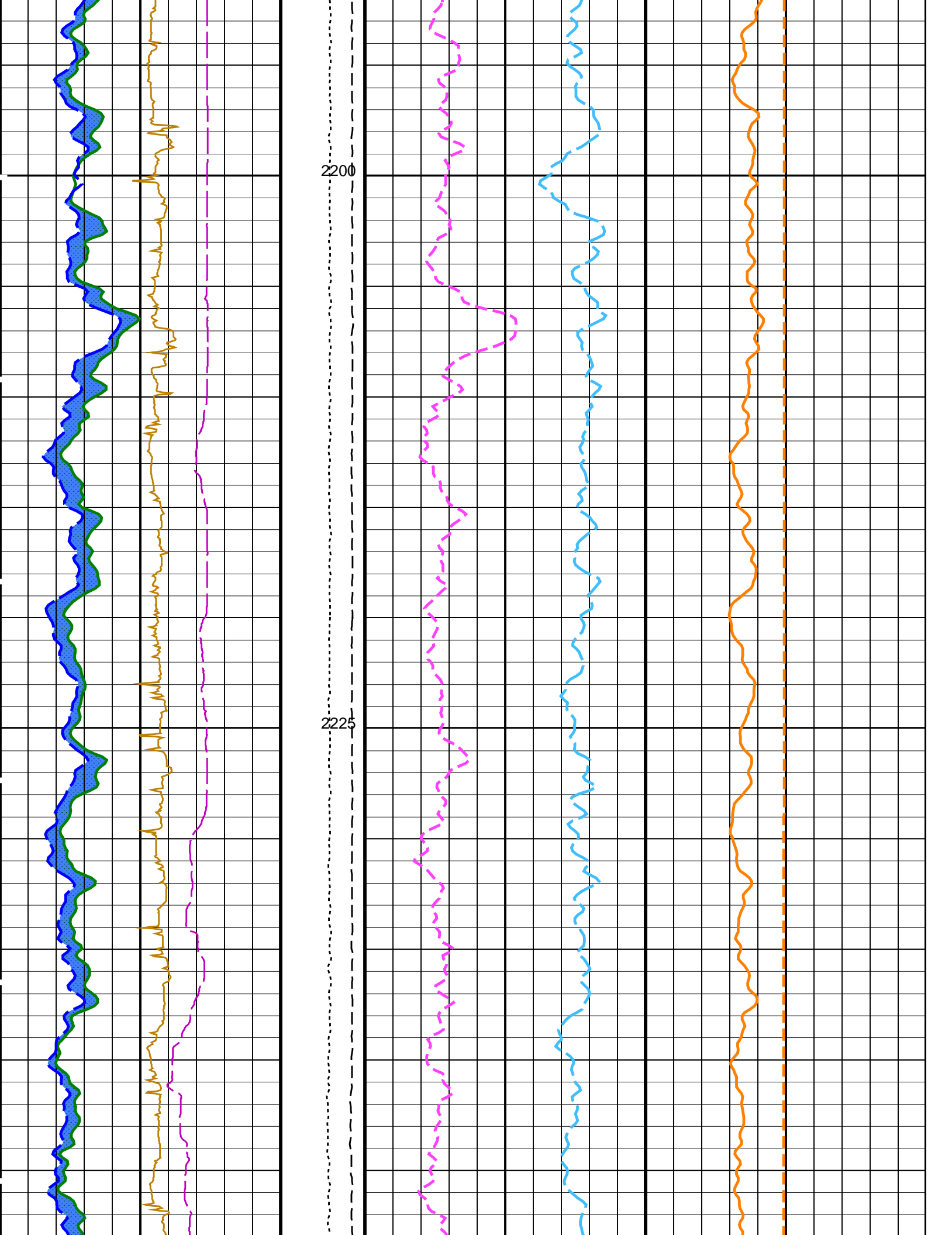


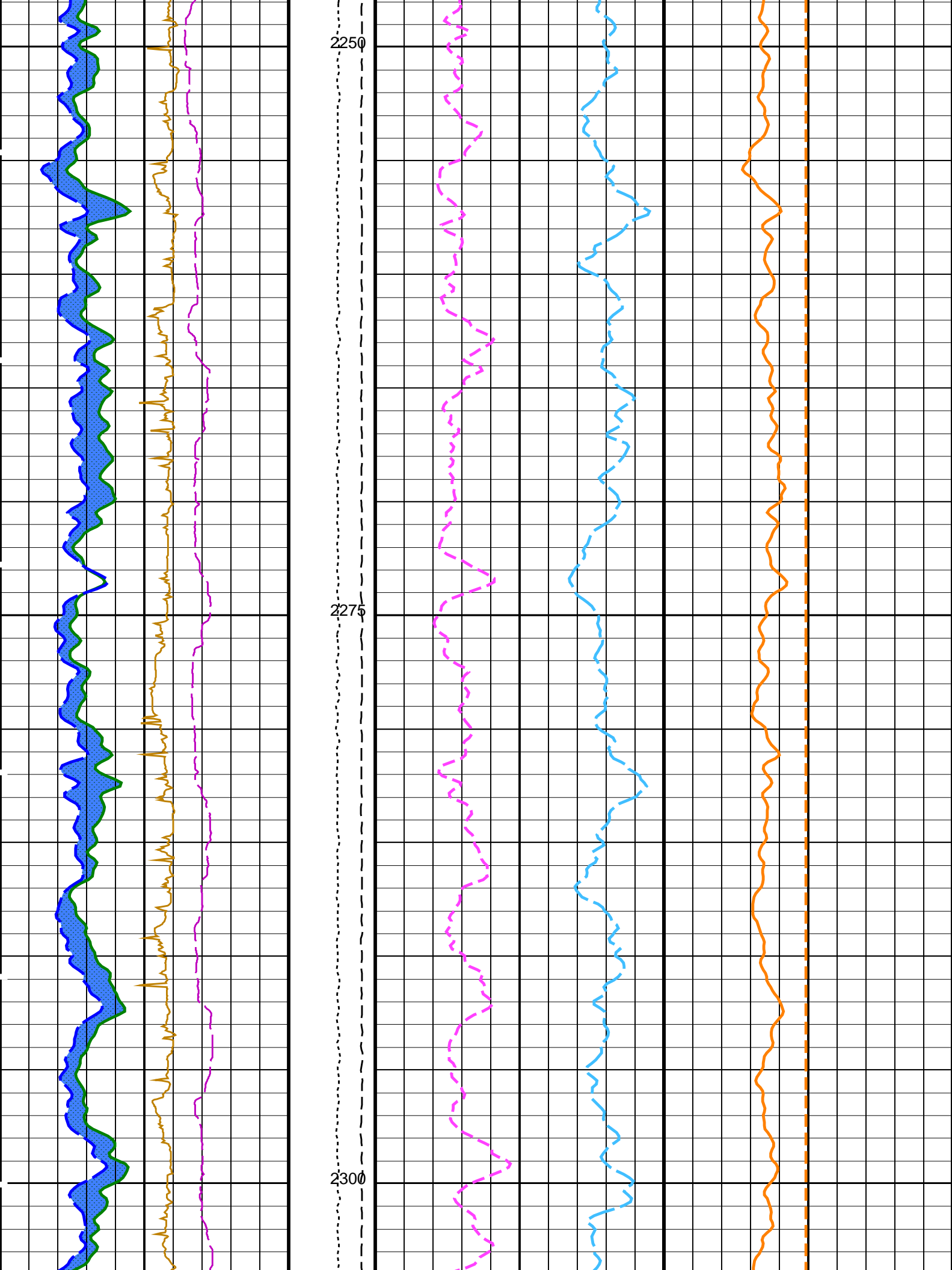


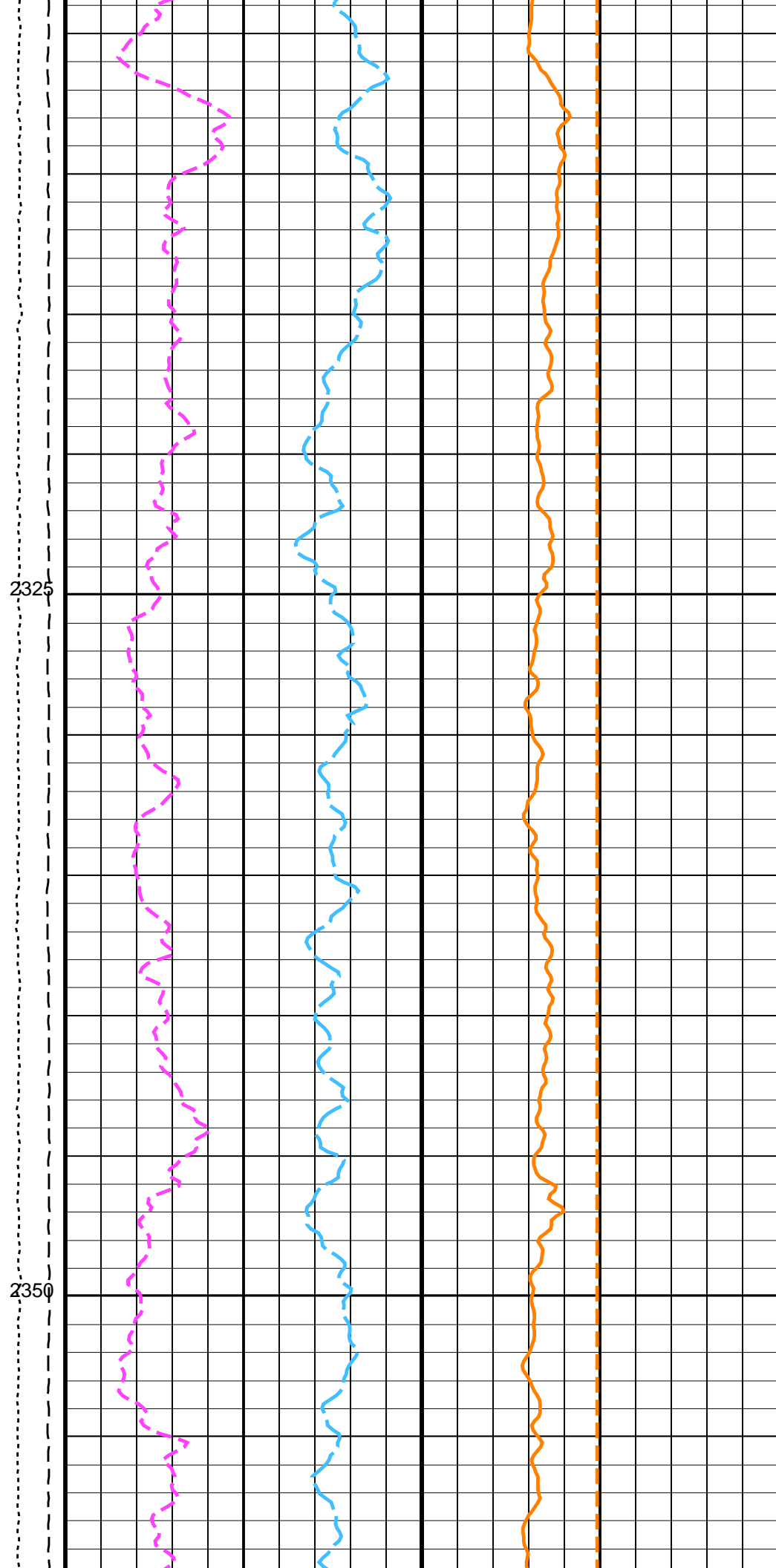
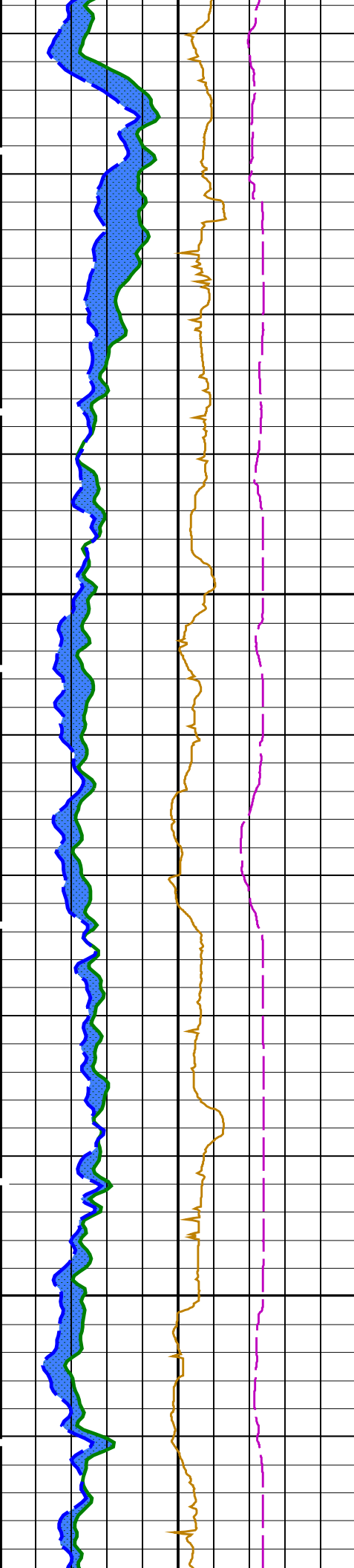
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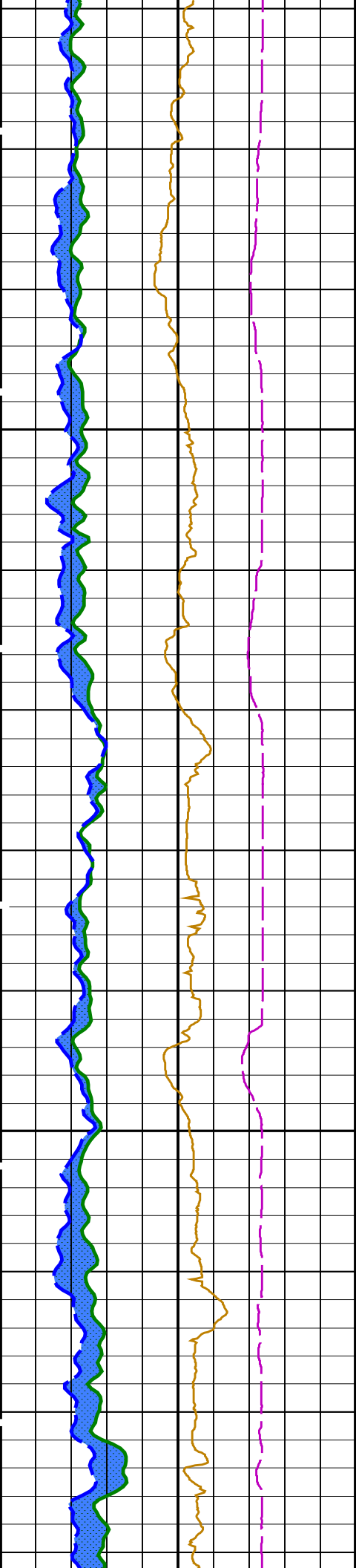
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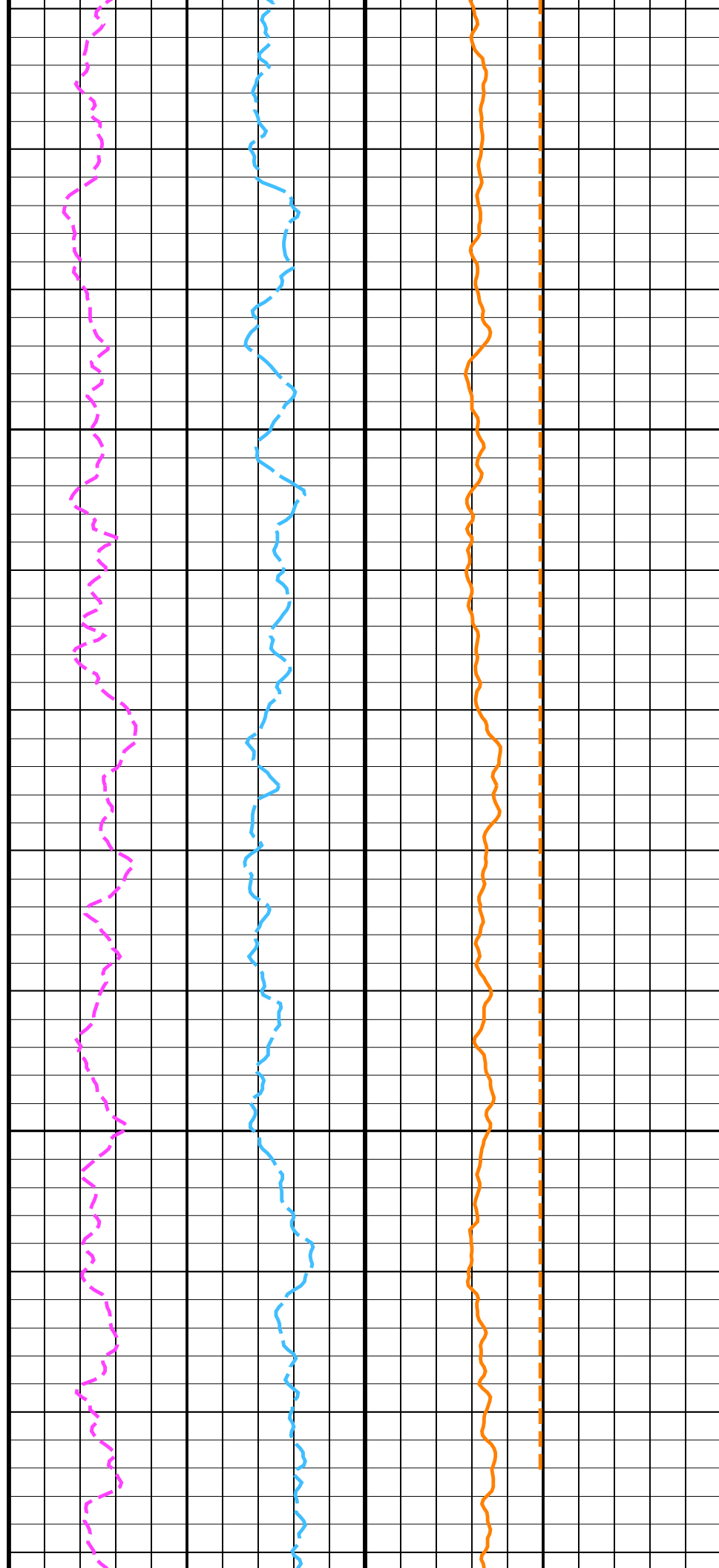


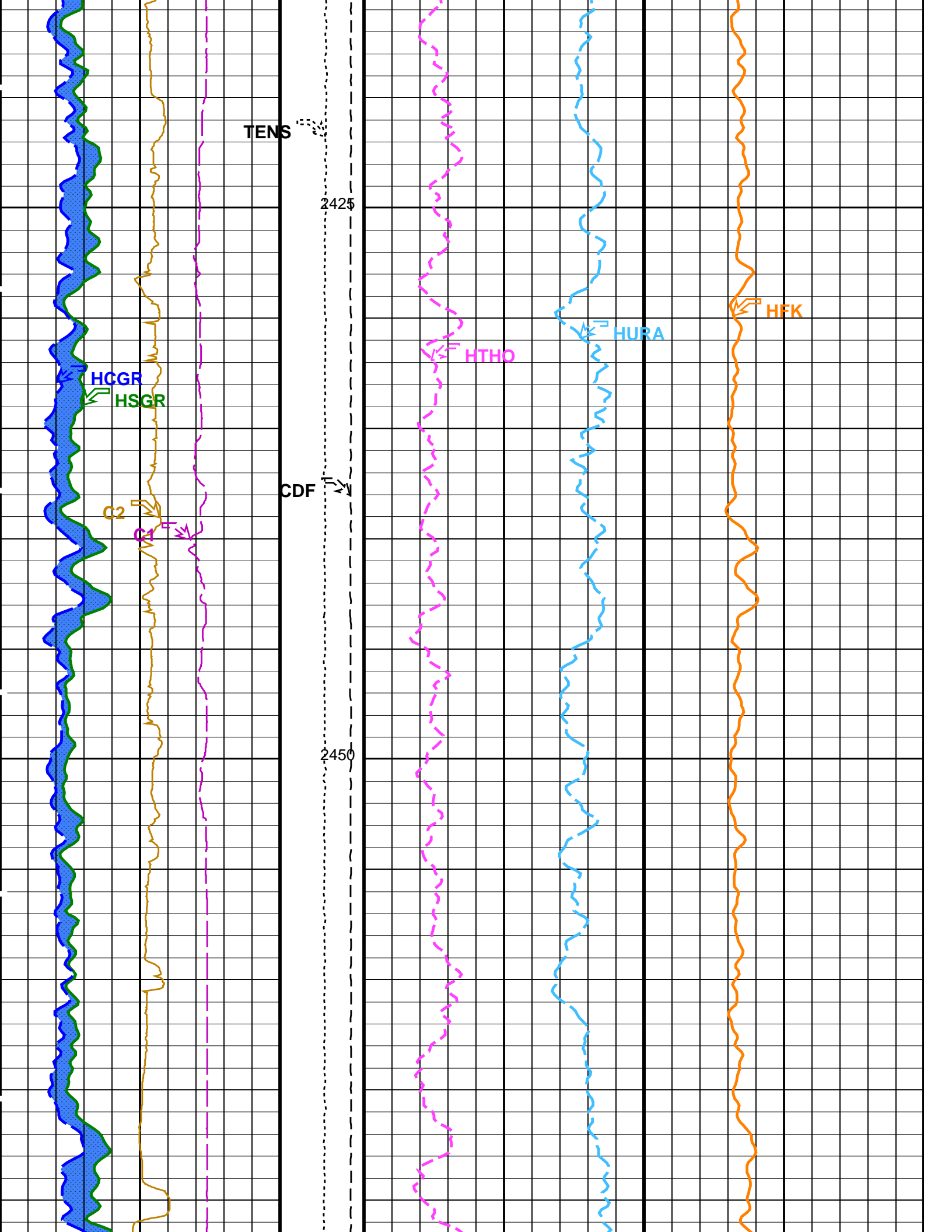


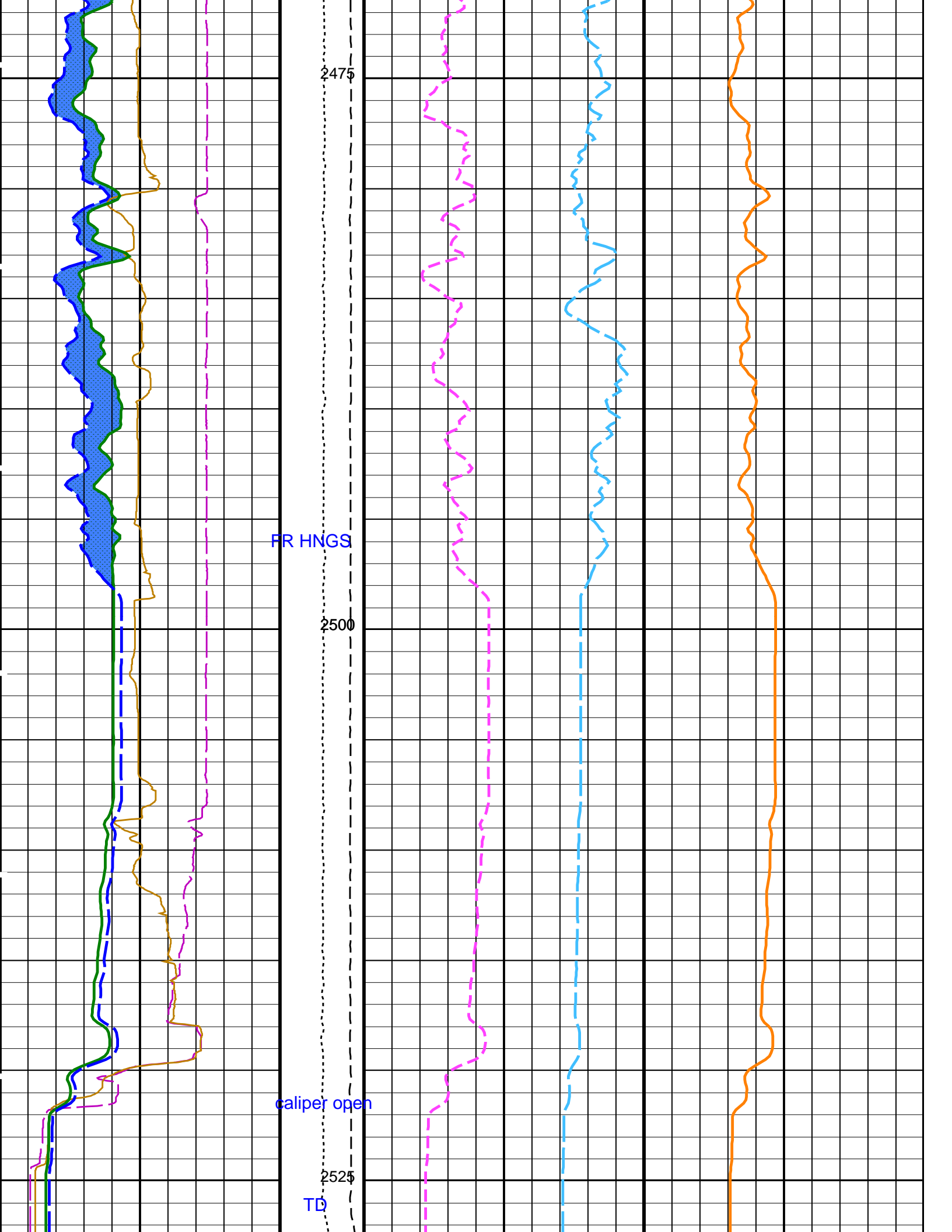


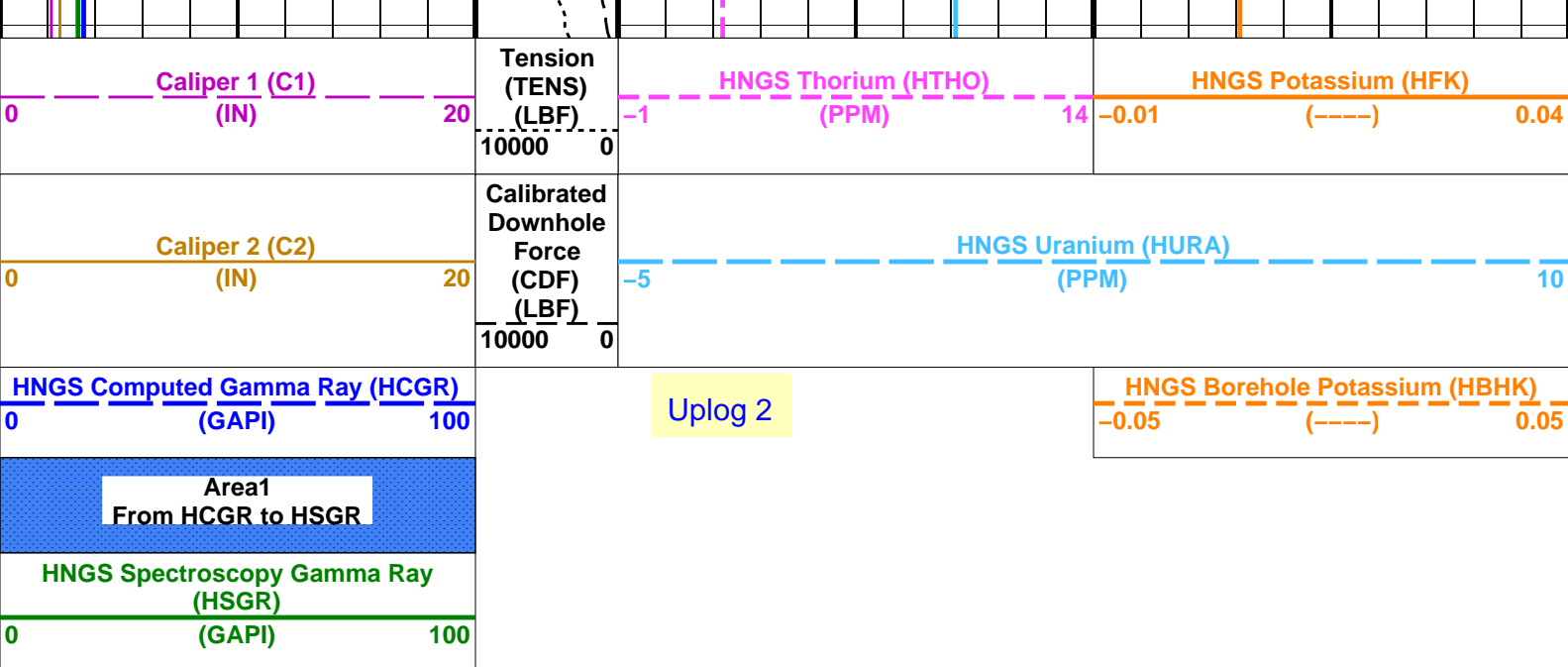
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2400









PIP SUMMARY

Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
BHS	DSST-B: Dipole Shear Imager – B		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	C1	
	HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.000691847	
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	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.95358	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.972341	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 28-Jun-2021 22:42

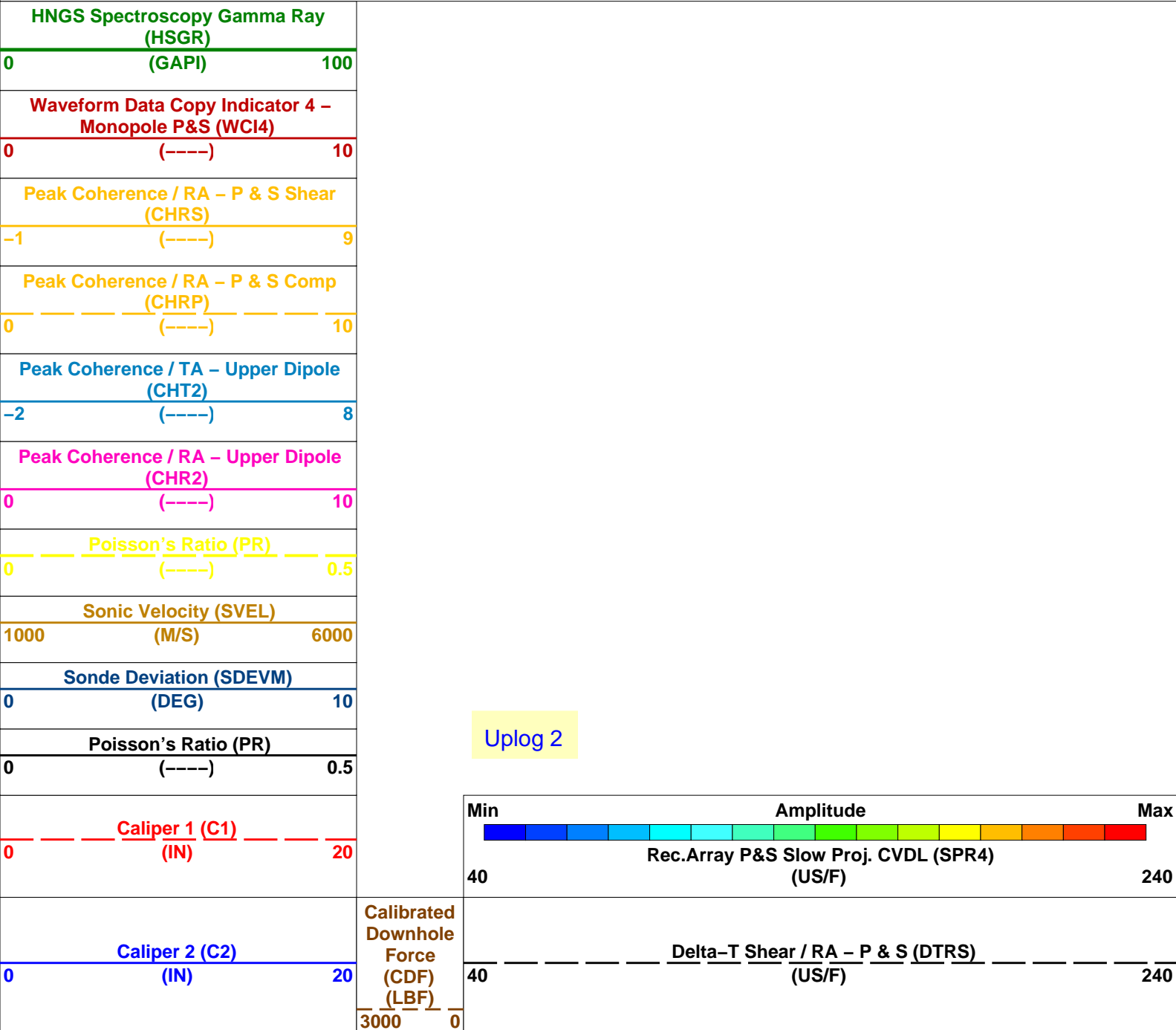
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MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
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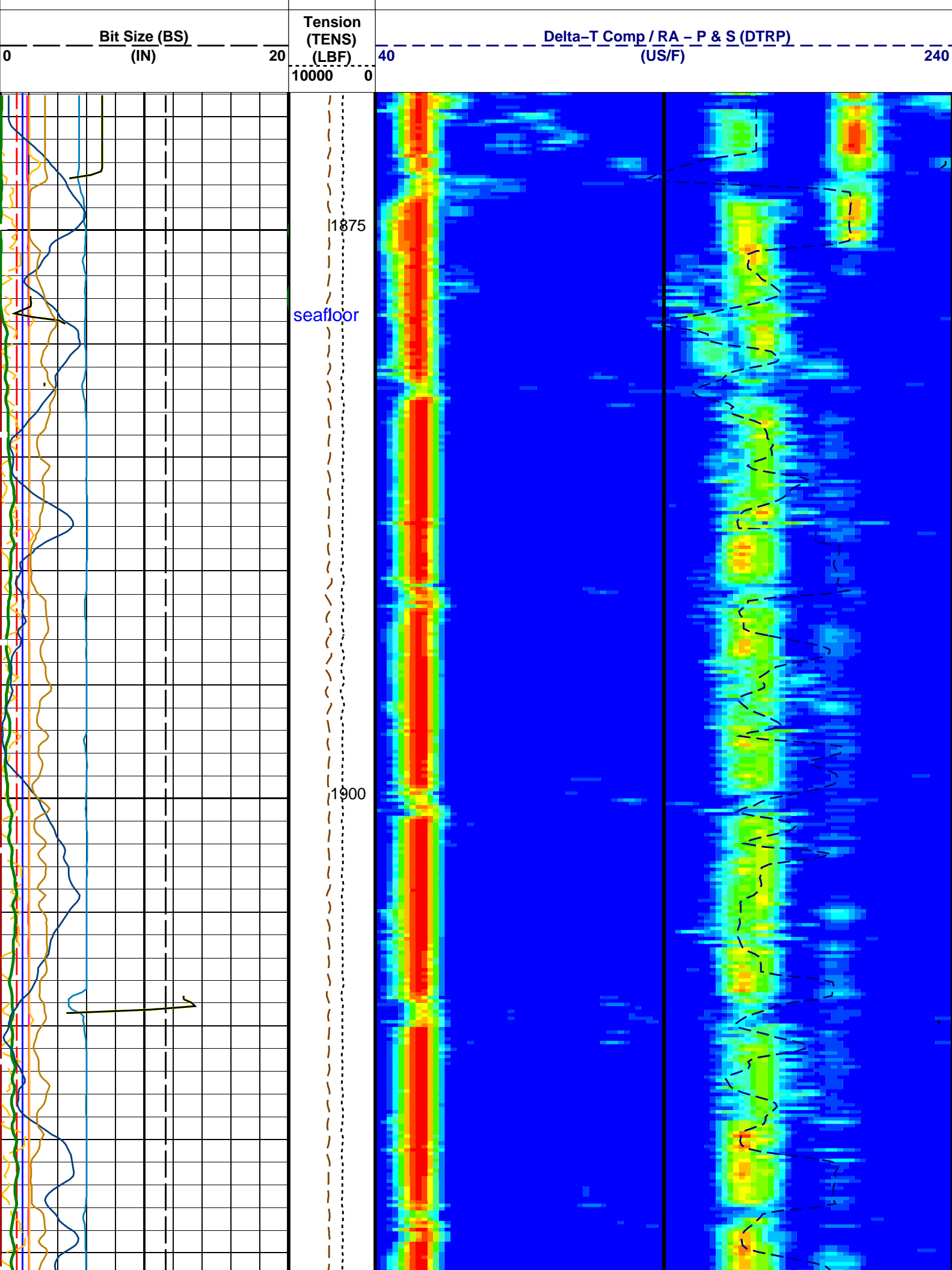
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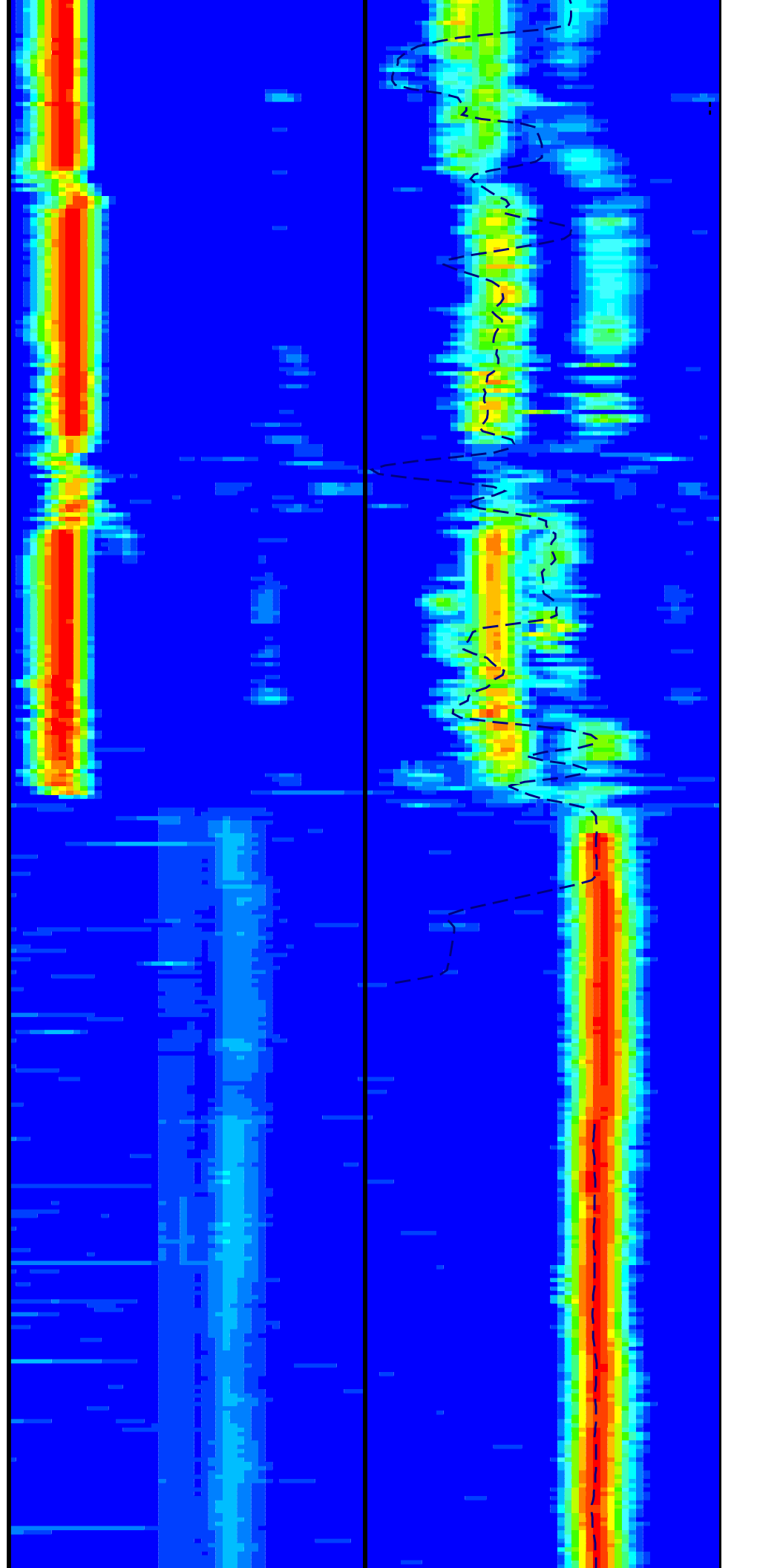
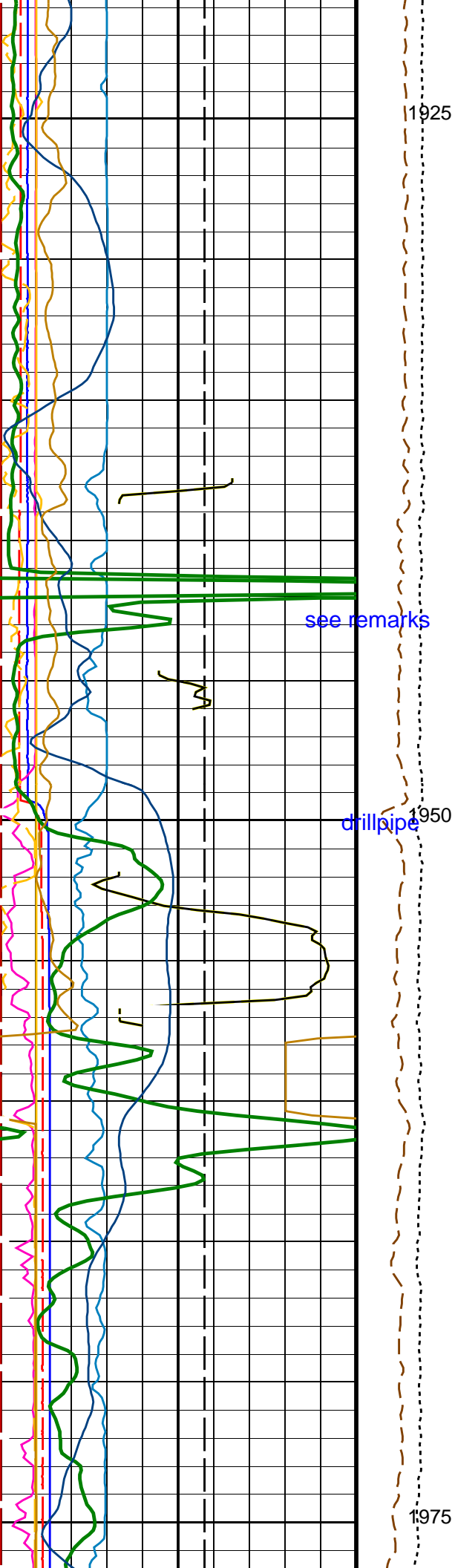
Company: International Ocean Discovery Program				Well: Expedition 395C, Site U1554E	
Input DLIS Files					
FMS_DSI_NGS_021LUP		FN:35	28-Jun-2021 16:23	2528.3 M	1868.9 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_031PUP	FN:46	PRODUCER	28-Jun-2021 22:42	2528.3 M 1868.9 M
OP System Version: 19C0-187					
MEST-B	19C0-187	DTA-A	19C0-187		
DSST-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	DTC-H	19C0-187		

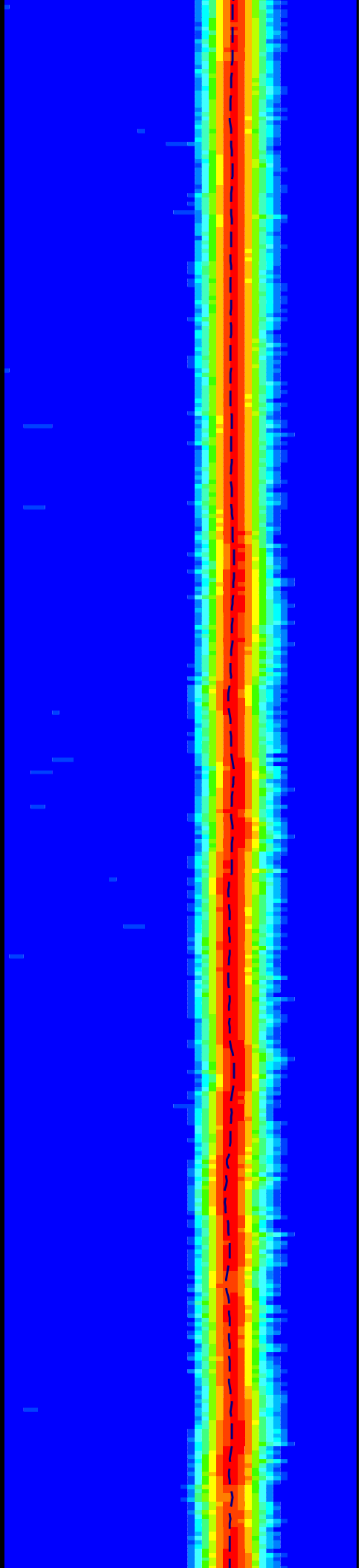
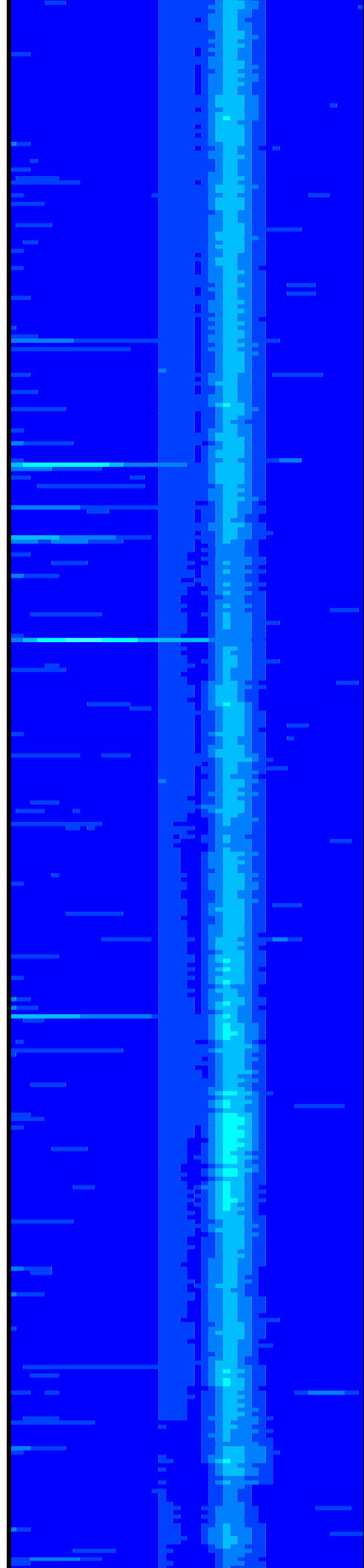
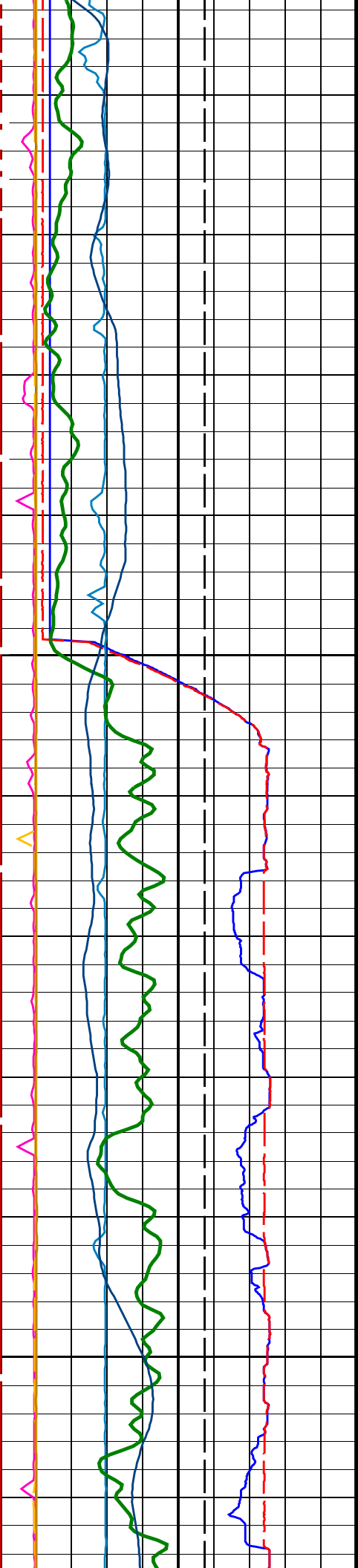
PIP SUMMARY

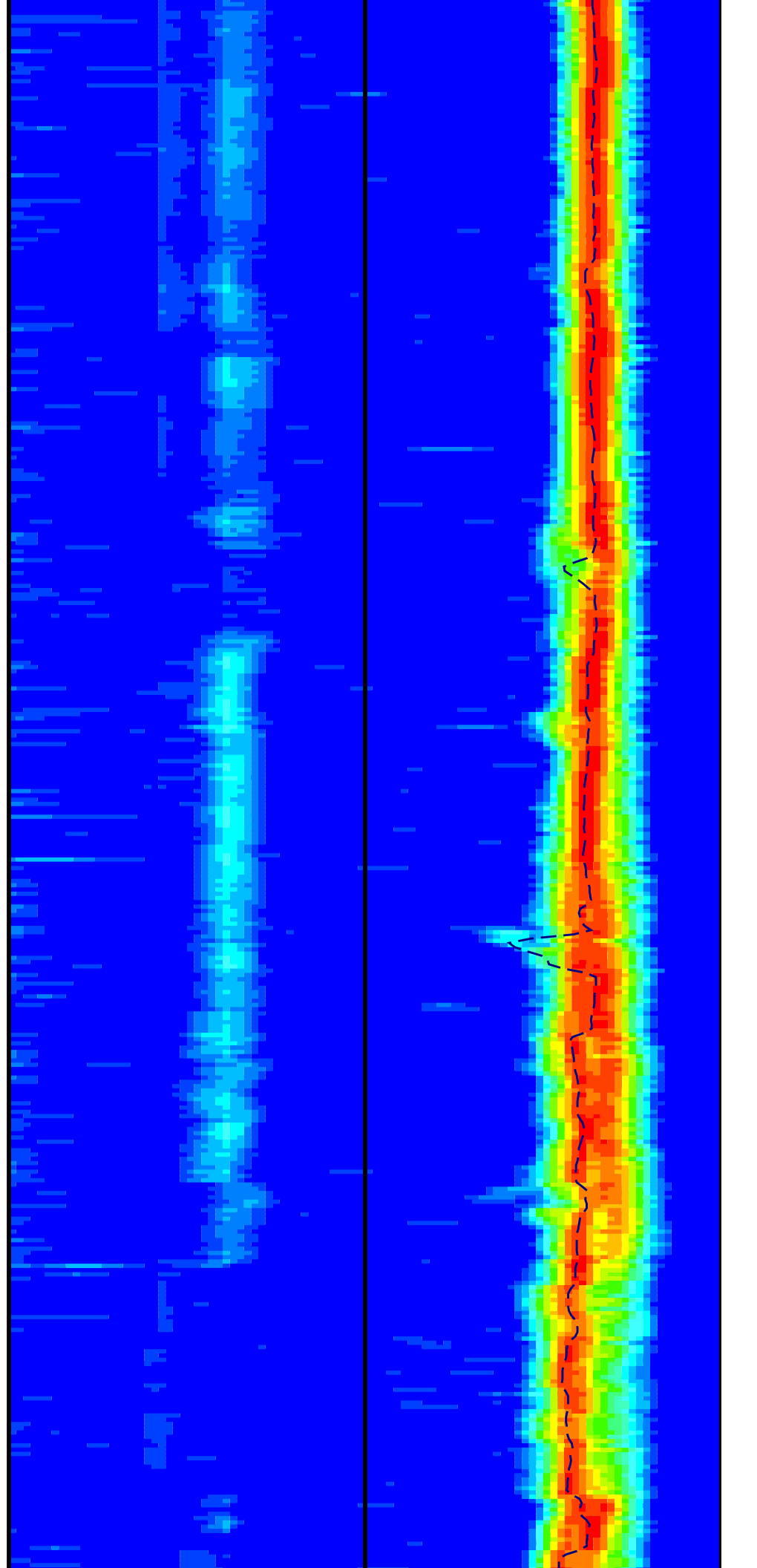
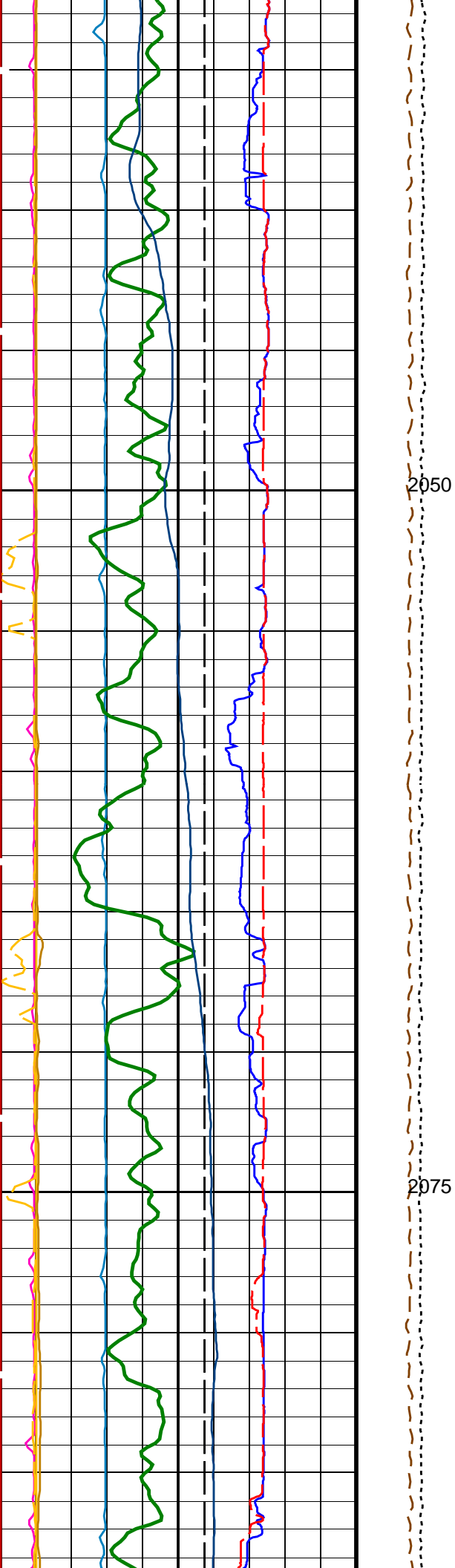
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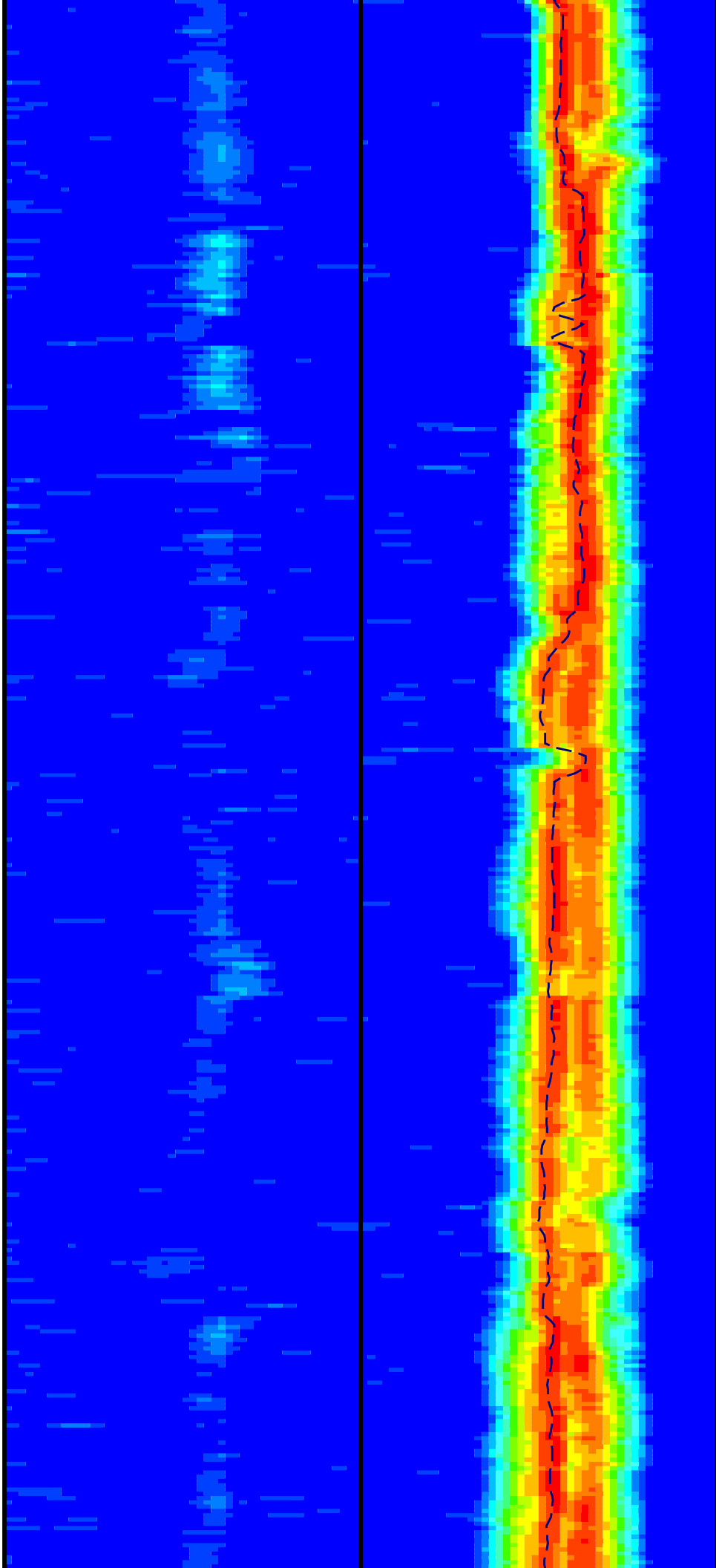
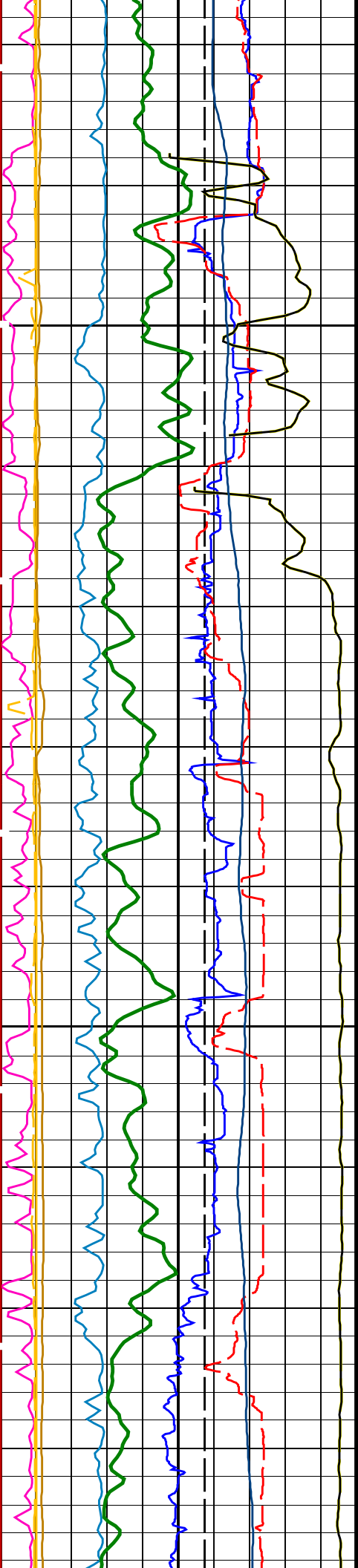


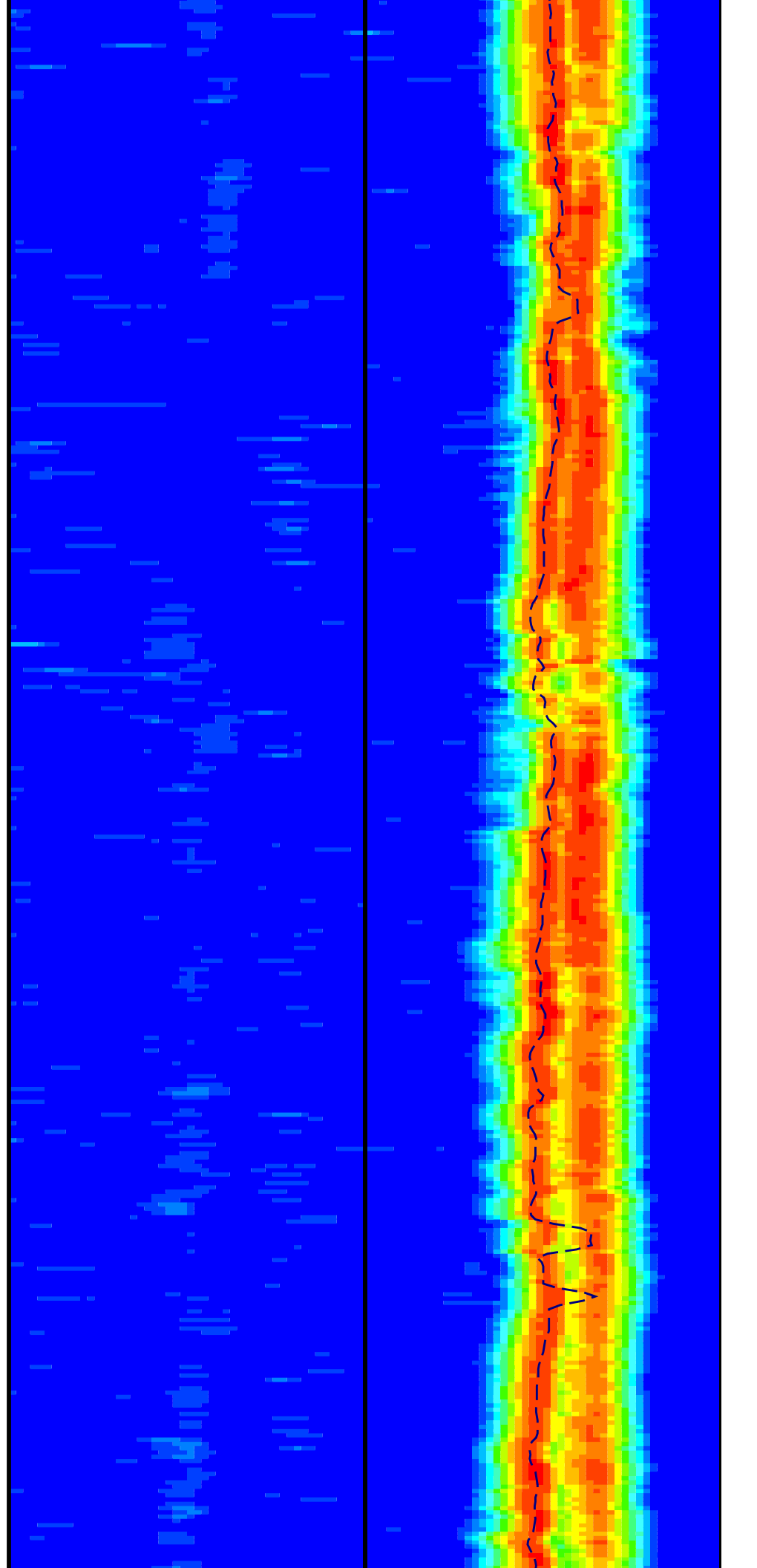
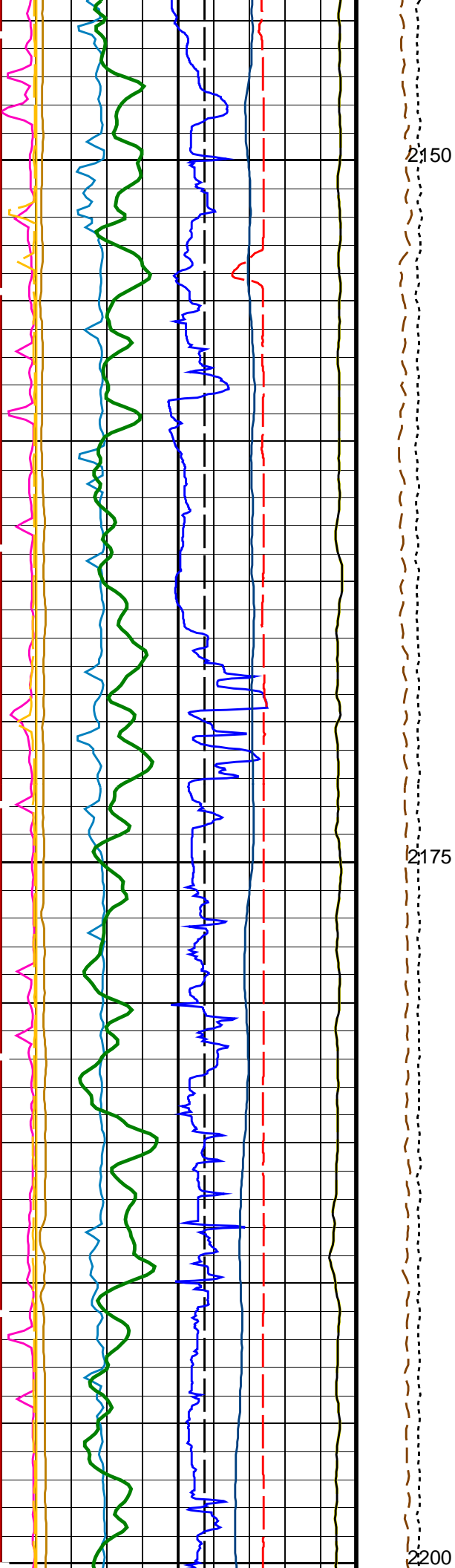


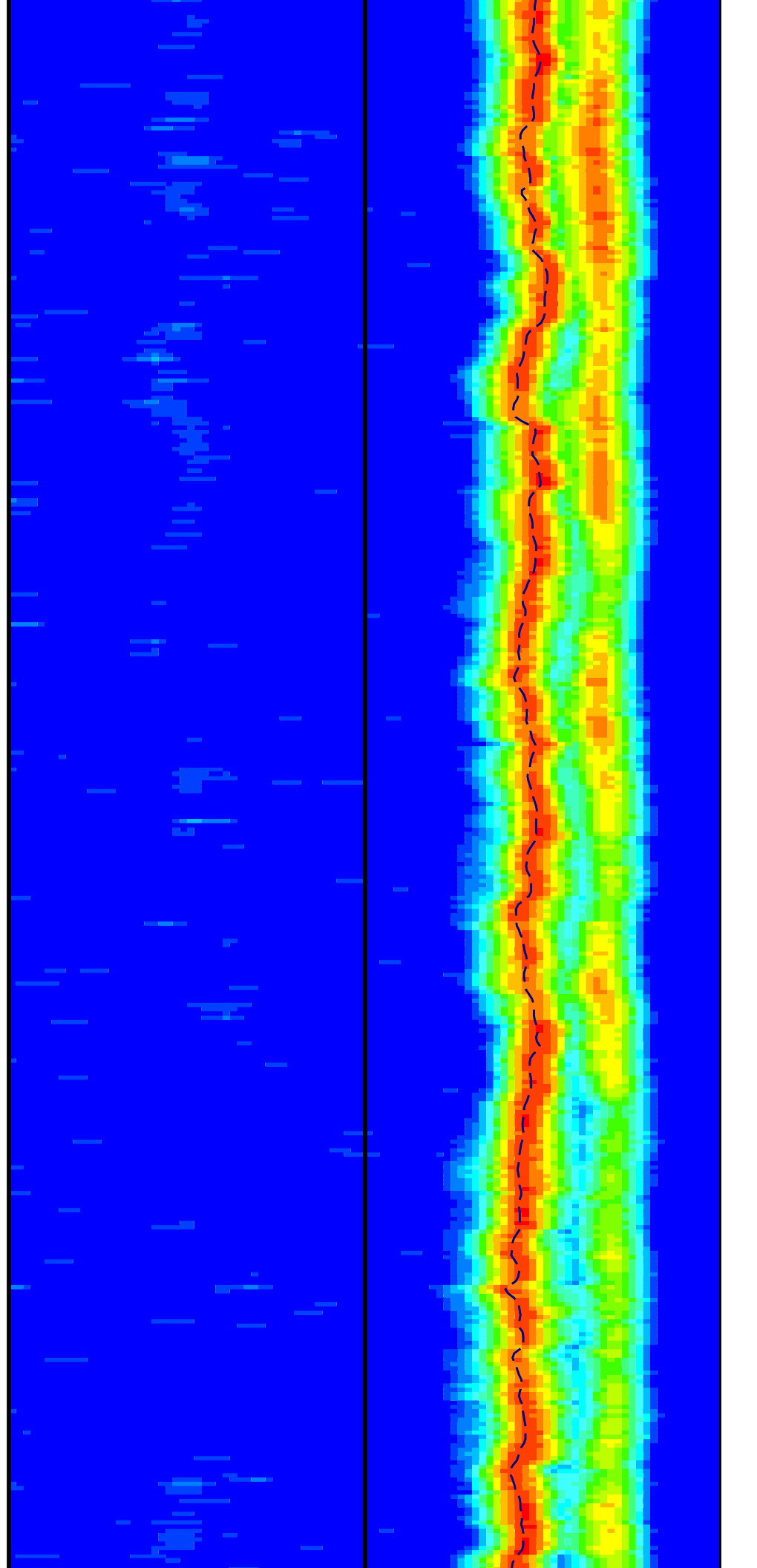
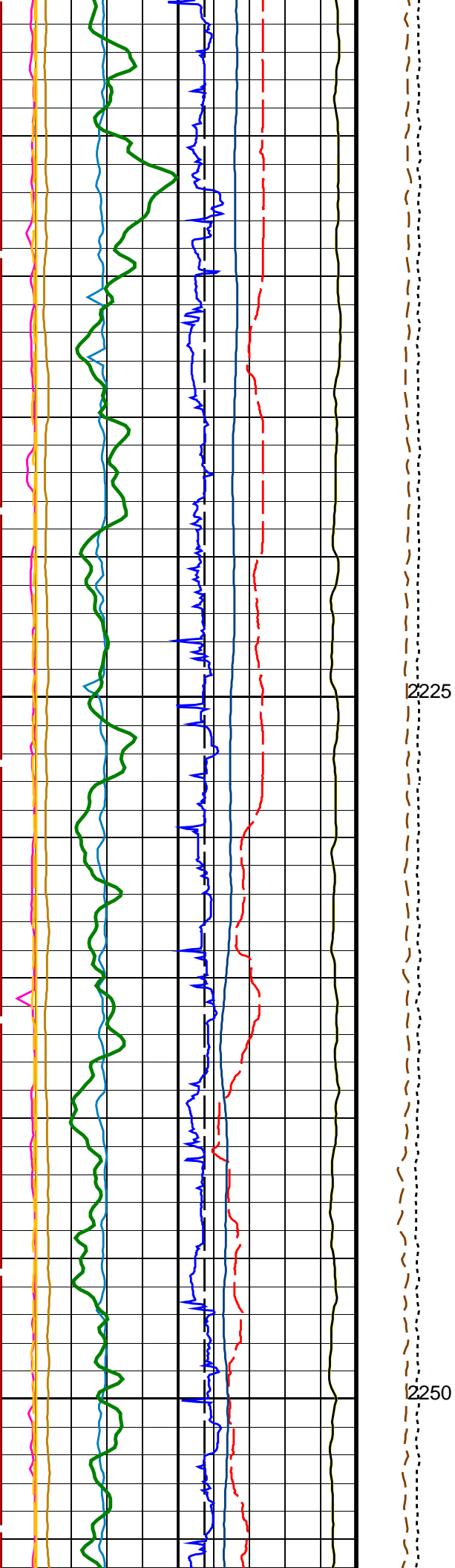


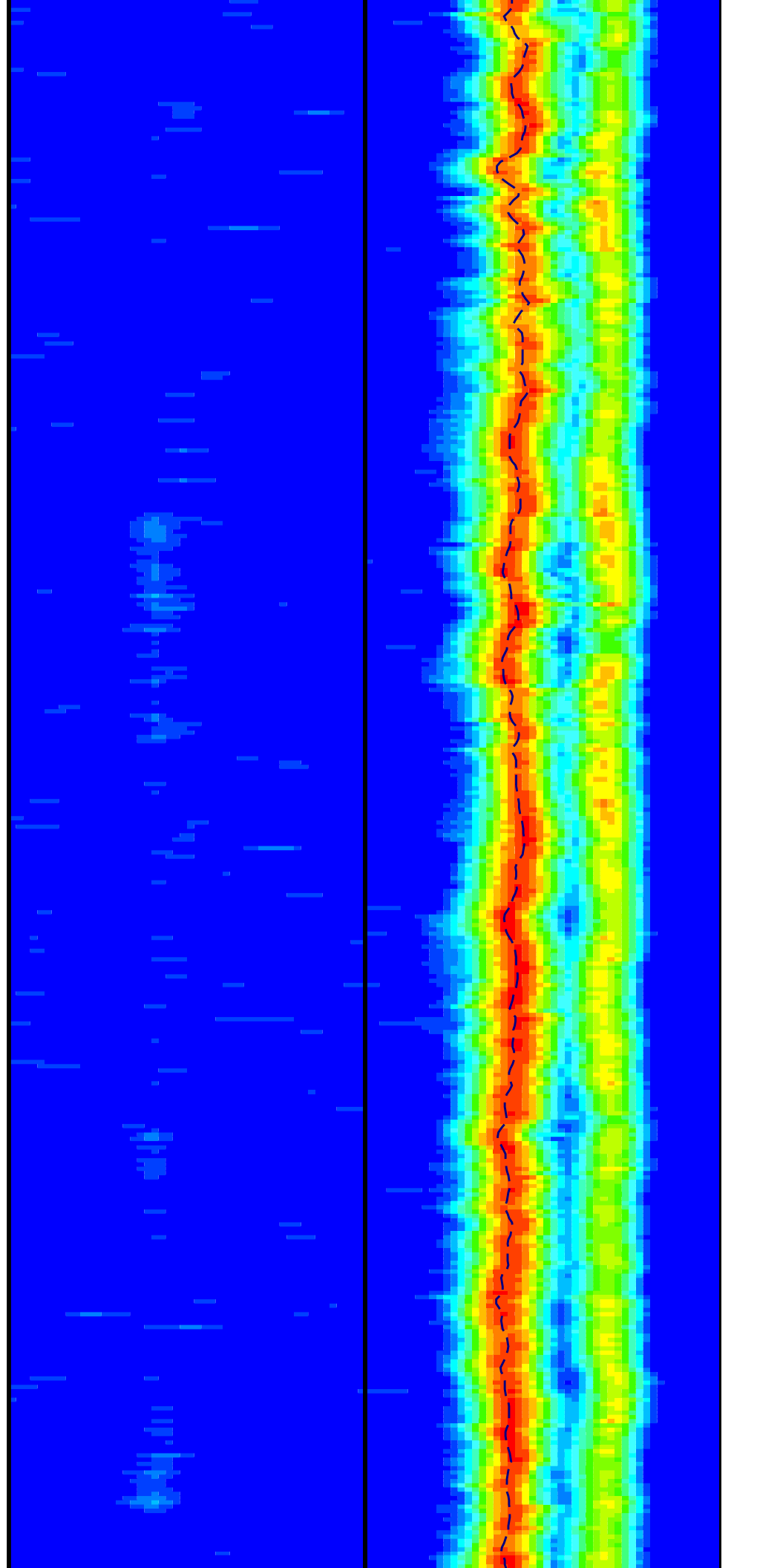
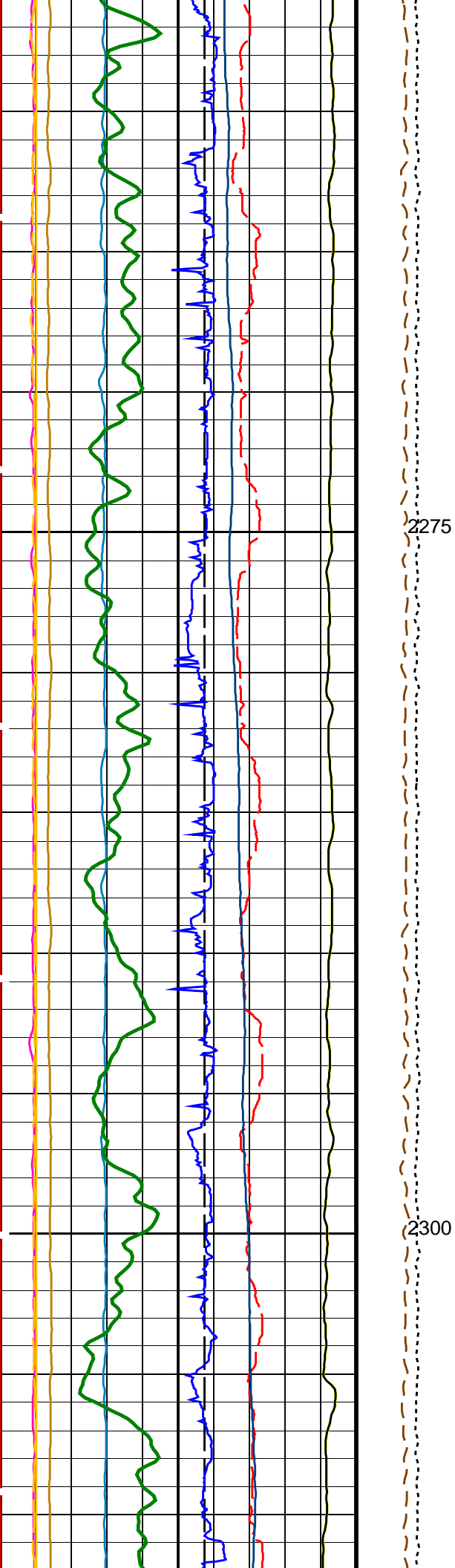


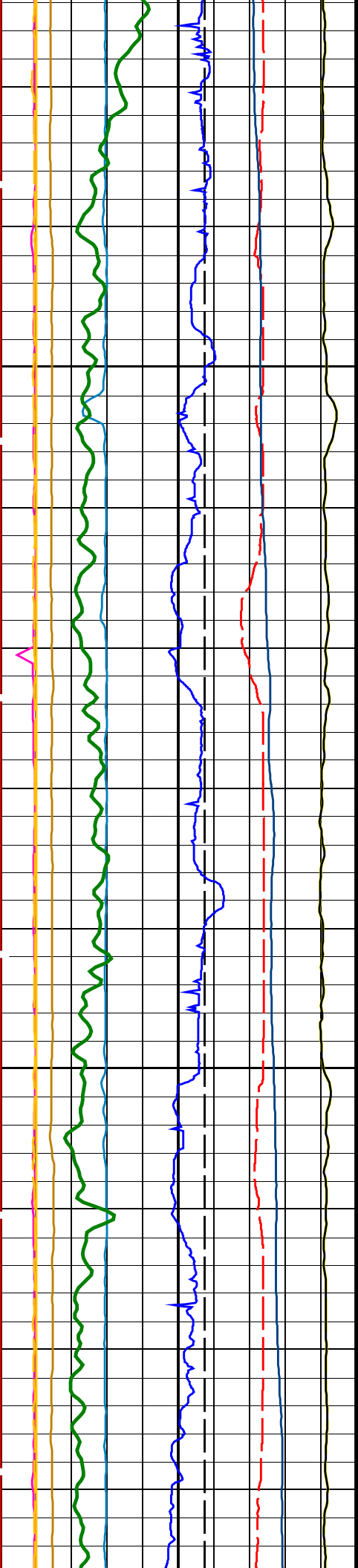






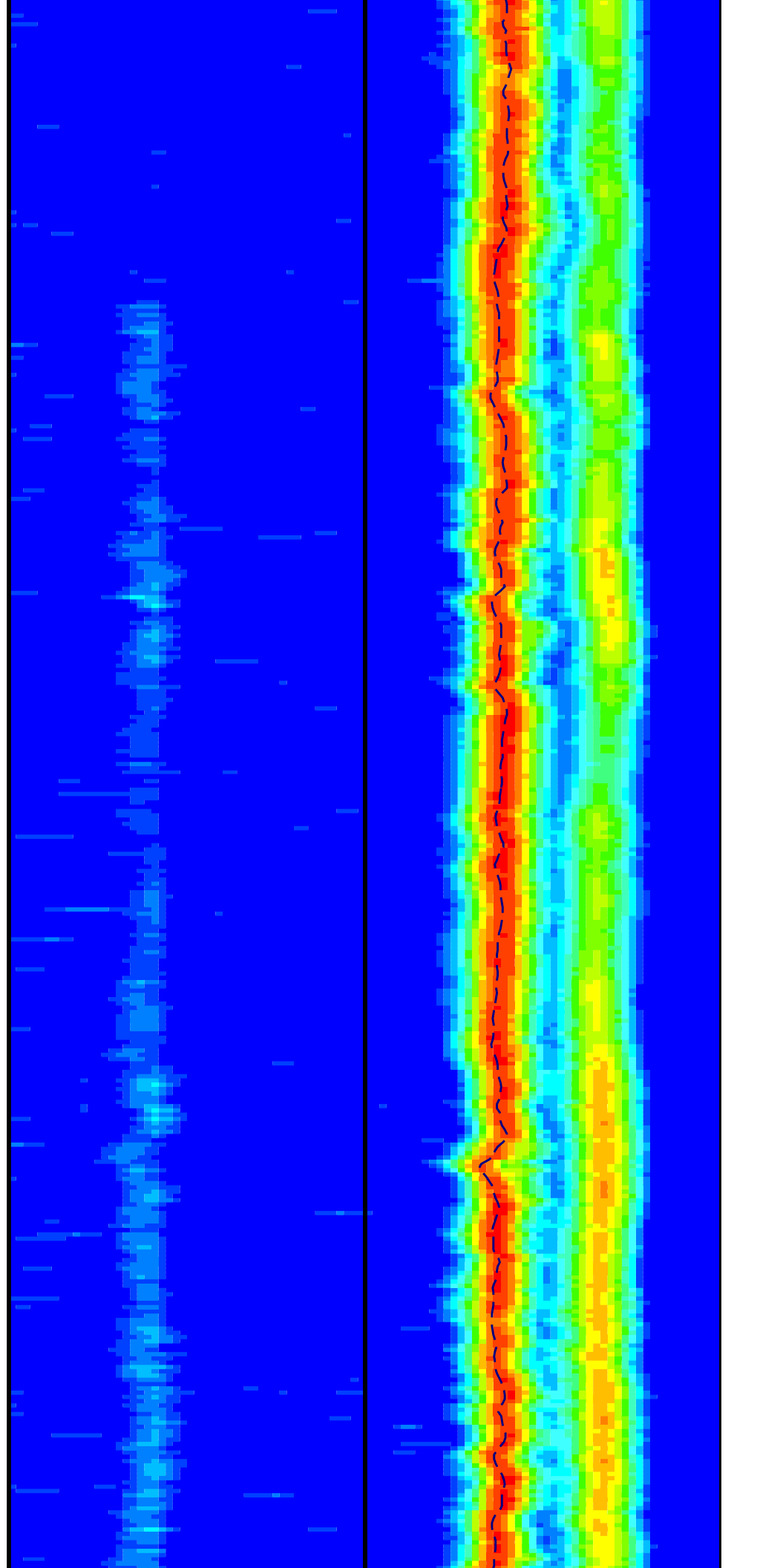


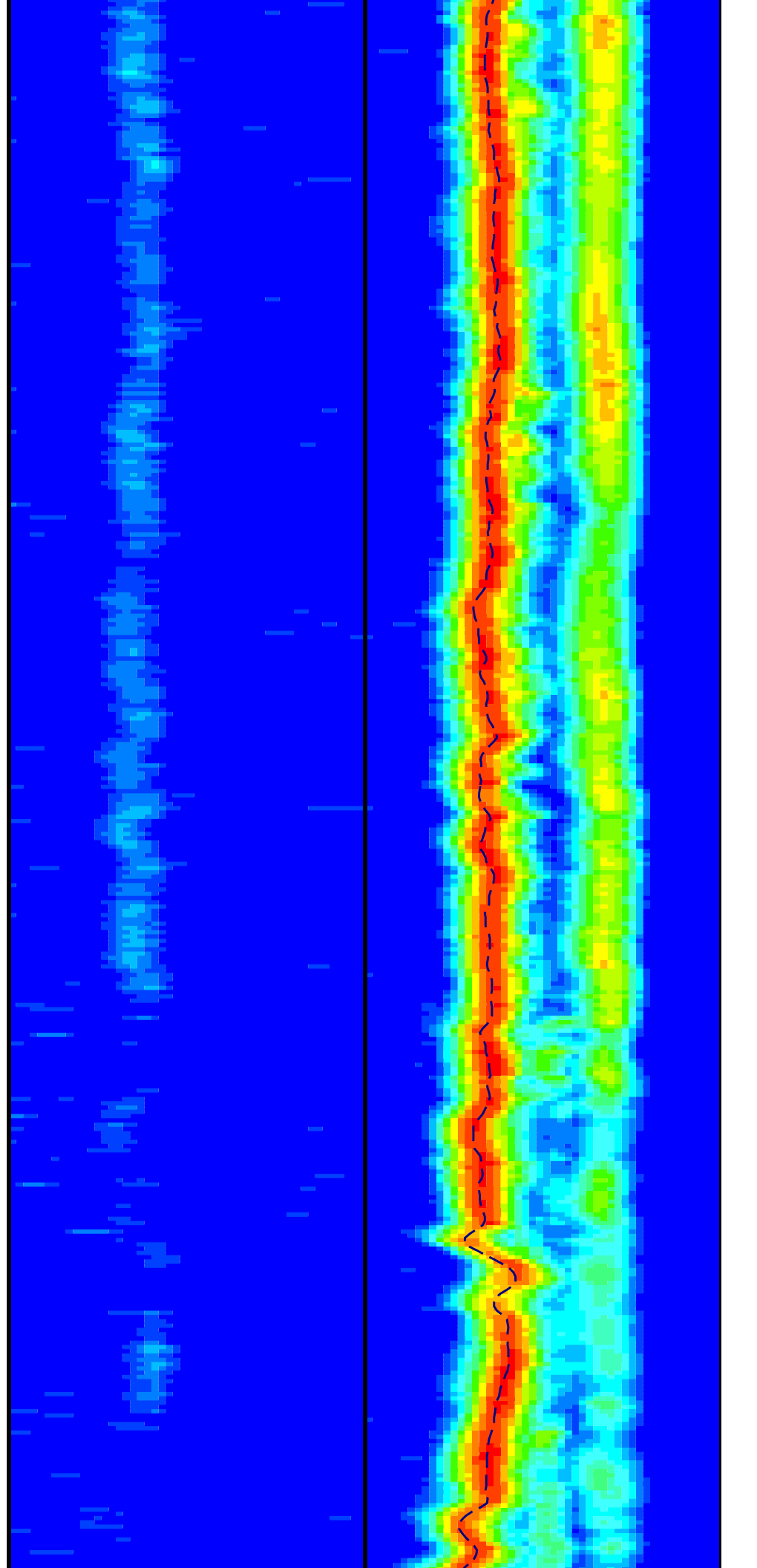
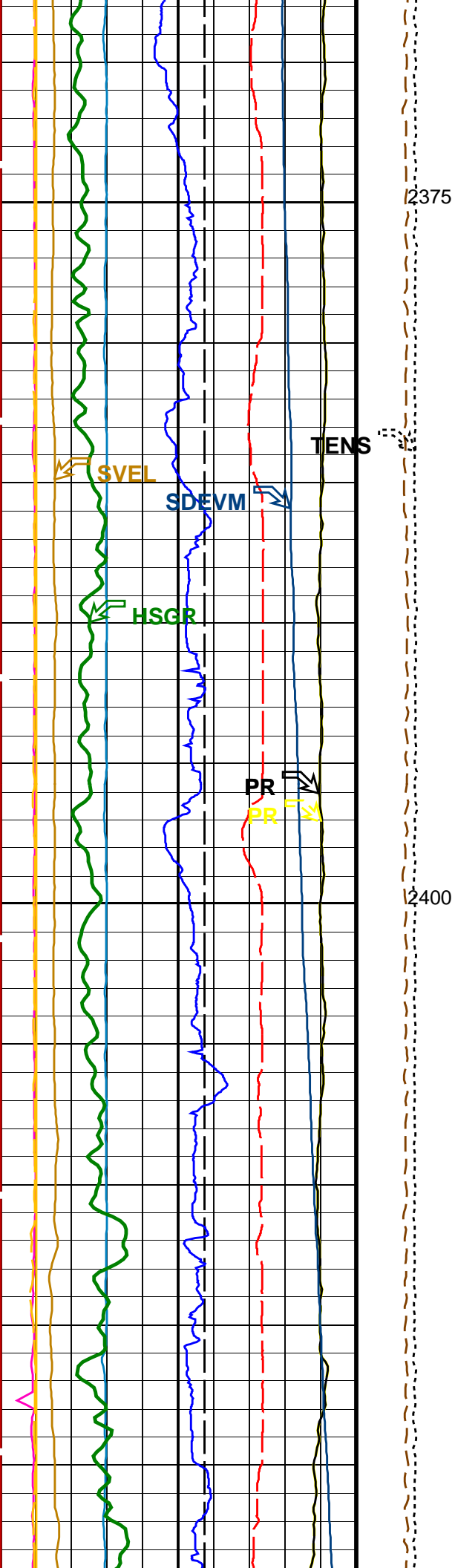


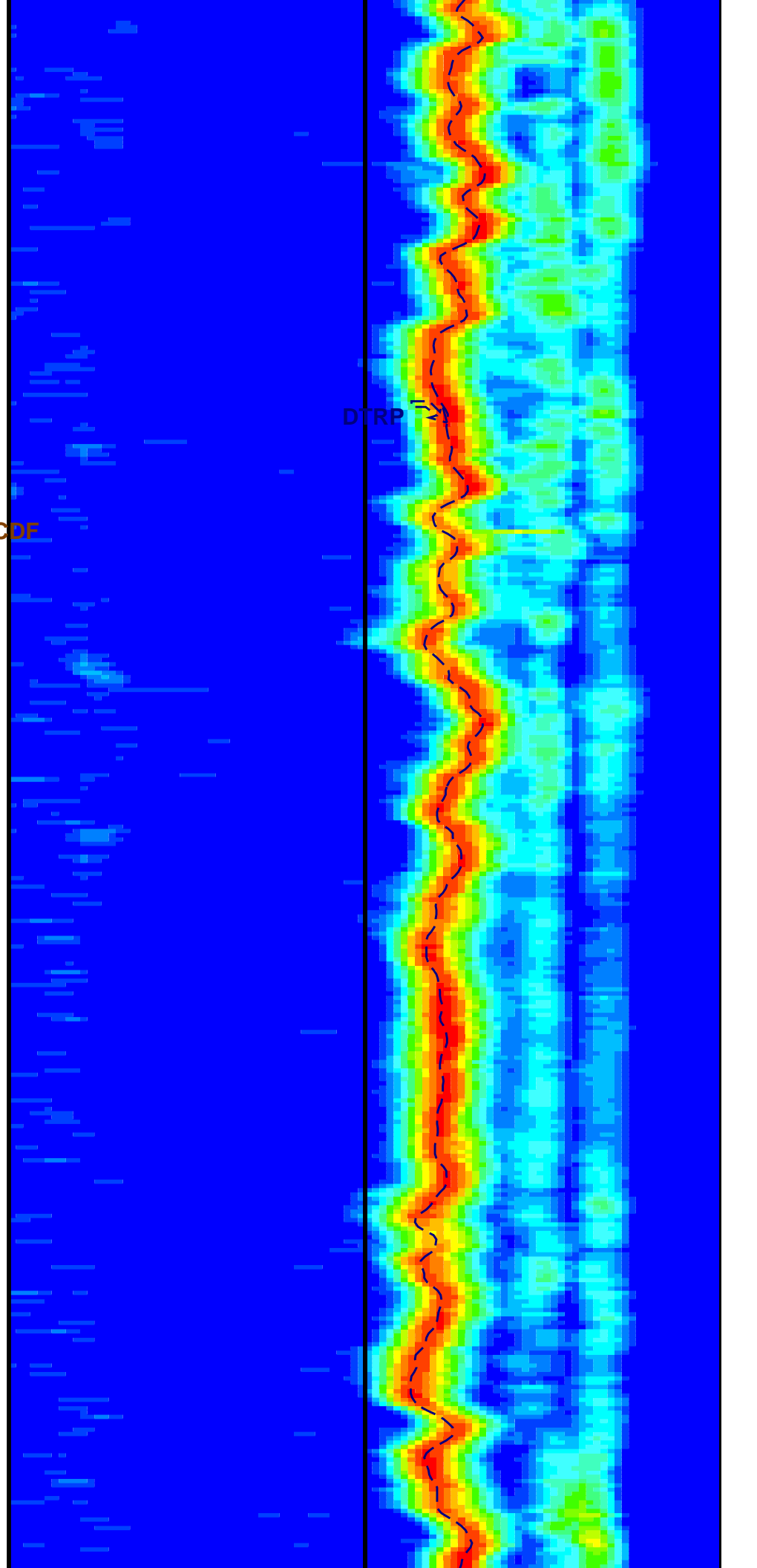
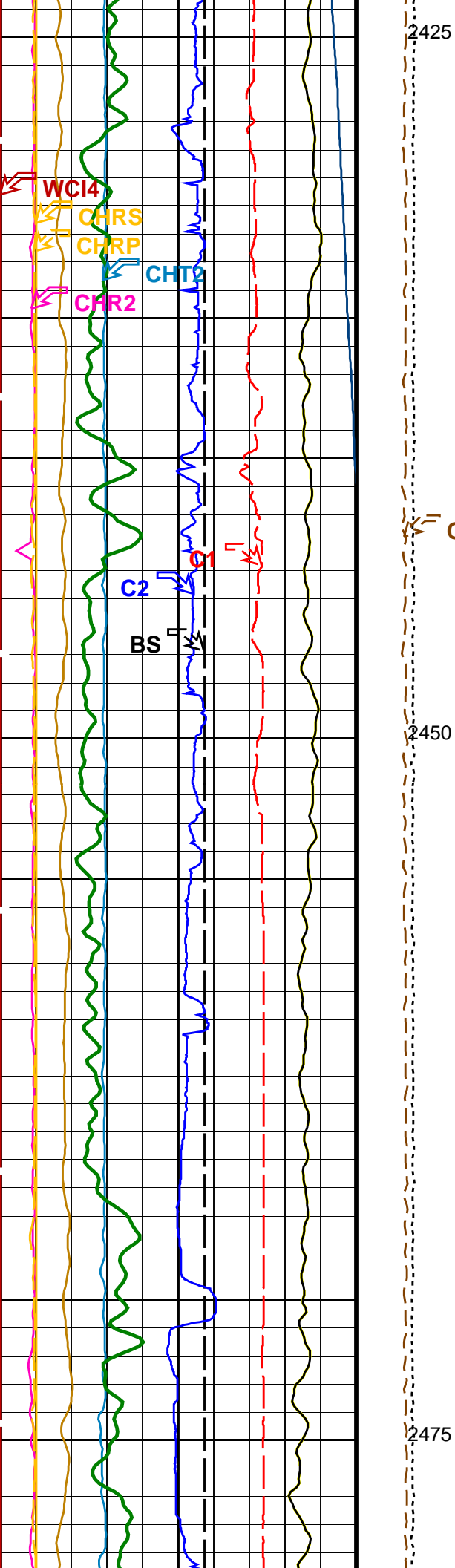


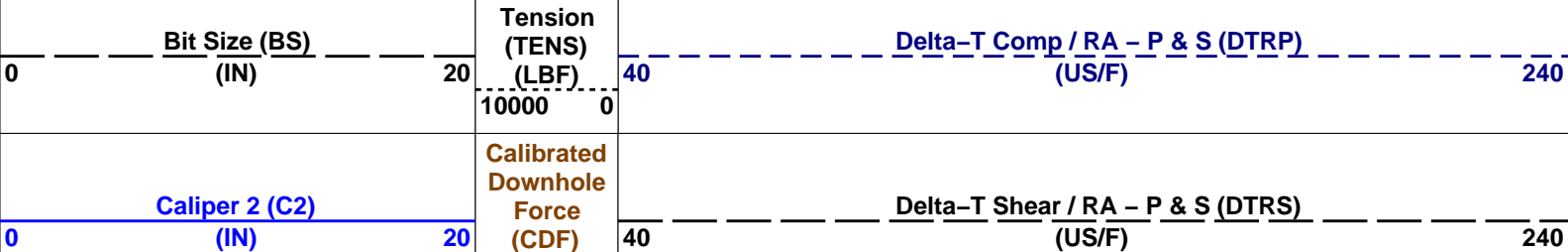
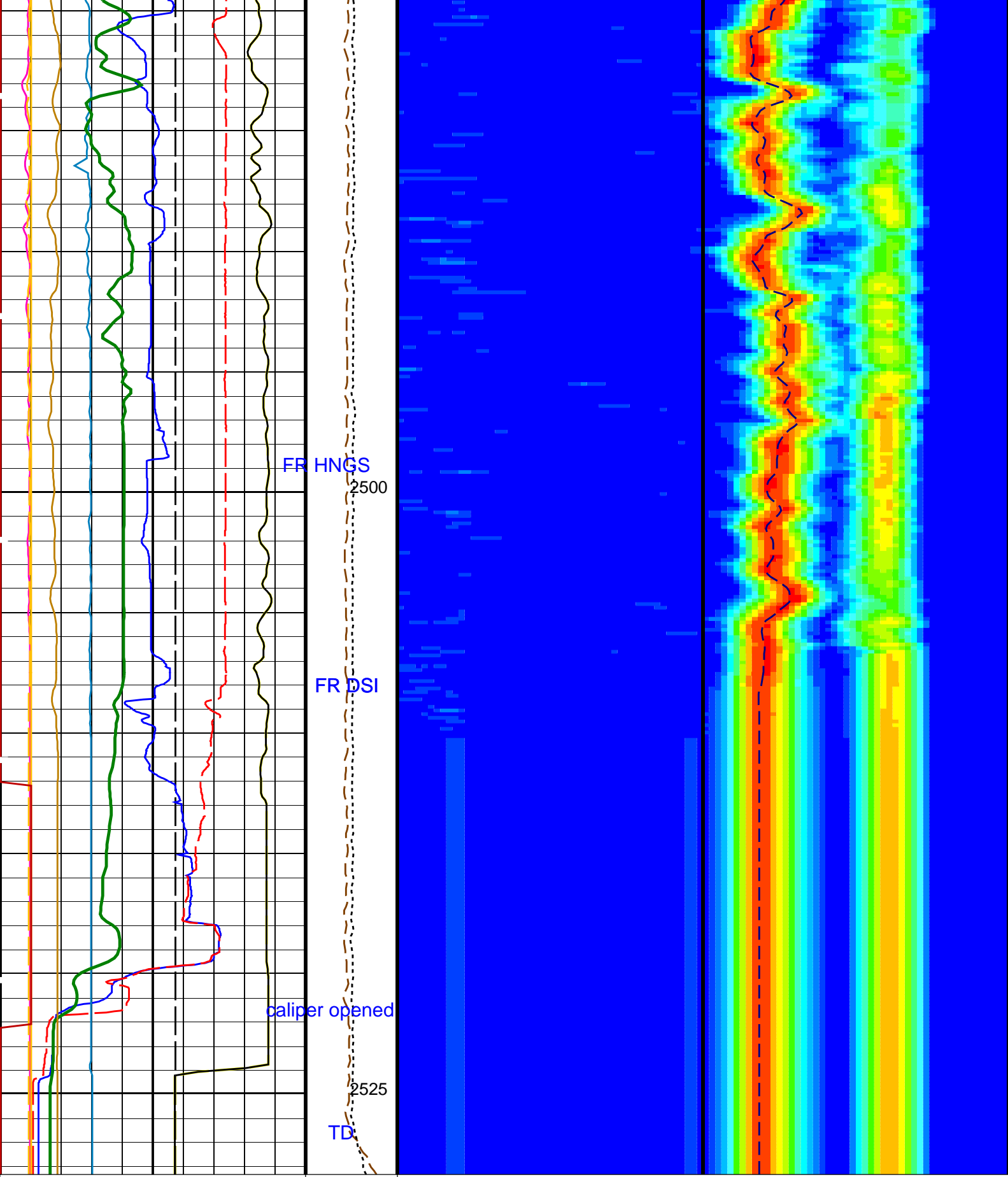
2325

2350









	(LBF)	3000	0
Caliper 1 (C1) (IN)	Min	Amplitude	Max
0	40	Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	240
Poisson's Ratio (PR) (----	Uplog 2		
0			
0.5			
Sonde Deviation (SDEVM) (DEG)			
0			
10			
Sonic Velocity (SVEL) (M/S)			
1000			
6000			
Poisson's Ratio (PR) (-----)			
0			
0.5			
Peak Coherence / RA – Upper Dipole (CHR2) (-----)			
0			
10			
Peak Coherence / TA – Upper Dipole (CHT2) (-----)			
-2			
8			
Peak Coherence / RA – P & S Comp (CHRP) (-----)			
0			
10			
Peak Coherence / RA – P & S Shear (CHRS) (-----)			
-1			
9			
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4) (-----)			
0			
10			
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)			
0			
100			

PIP SUMMARY			
	Time Mark Every	60	S

Parameters			
DLIS Name	Description	Value	
MEST-B: Micro Electrical Scanner – B (Slim)			
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	-13.1645	DEG
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	130	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	205	US/F
DDE4	Digitizing Delay 4	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
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	212	US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE	
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	C1	
LFC	Label Formation Character – Monopole P&S	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F

MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
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	
SAS2	STC Sonic Array Status – Upper Dipole	255	
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	230	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
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
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
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM4	Waveform Mode 4	W1	
HNGB–BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGB Detector 1 Barite Constant	1	
BAR2	HNGB Detector 2 Barite Constant	1	
BHK	HNGB Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGB Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	–0.000691847	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGB Processing Enable	YES	
S1BI	HNGB Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGB Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGB Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGB Detector 1 Variable Barite Factor Running Average	0.95358	
VBA2	HNGB Detector 2 Variable Barite Factor Running Average	0.972341	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_Only Vertical Scale: 1:200 Graphics File Created: 28–Jun–2021 22:42

OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	HNGC–B	19C0–187
HNGB–BA	19C0–187	DTC–H	19C0–187

Input DLIS Files

FMS_DSI_NGS_021LUP

FN:35

28-Jun-2021 16:23

2528.3 M

1868.9 M

Output DLIS Files

DEFAULT

FMS_DSI_NGS_031PUP

FN:46

PRODUCER

28-Jun-2021 22:42

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner – B (Slim) Wellsite Calibration – Caliper Calibration							
Before: 13-Jun-2021 22:51							
Caliper 1 Zero Measurement	12.00	N/A	12.76	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.49	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.69	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.53	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 28-Jun-2021 11:26							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 28-Jun-2021 11:26							
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 2-May-2021 10:04 Before: 13-Jun-2021 9:44							
Na 511 Peak Loc	40.00	39.25	39.64	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.53	14.84	N/A	N/A	2.000	%
High Voltage	1150	1197	1168	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	141.8	143.3	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.905	7.709	N/A	N/A	2.000	%
Temperature	15.50	26.59	11.69	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	12.01	12.89	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 2-May-2021 10:04 Before: 13-Jun-2021 9:44							
Na 511 Peak Loc	40.00	39.88	39.51	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.29	15.27	N/A	N/A	2.000	%
High Voltage	1150	1122	1090	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	142.6	140.8	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.040	9.507	N/A	N/A	2.000	%
Temperature	15.50	27.21	12.30	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	12.32	13.60	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 2-May-2021 10:04 Before: 13-Jun-2021 9:44							
Coincidence Count Rate Ratio	1.000	0.9728	0.9527	N/A	N/A	0.05000	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration							
Master: 2-May-2021 10:00							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	209.6	--	--	--	--	
Th Peak Res	7.000	6.625	--	--	--	--	%
Background Count Rate	142.5	17.82	--	--	--	--	CPS
Gain Ratio	1.000	1.015	--	--	--	--	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration							
Master: 2-May-2021 10:00							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	208.8	--	--	--	--	
Th Peak Res	7.000	7.662	--	--	--	--	%
Background Count Rate	142.5	16.78	--	--	--	--	CPS
Gain Ratio	1.000	0.9961	--	--	--	--	

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	724
MEST Preamplifier Cartridge – AB	MEPC – AB	806
GPIT Cartridge – AC	GPIC – AC	840
MEST Acquisition Cartridge – A	MEAC – A	804

Auxiliary Equipment:

MEST–B Preamplifier Cartridge Housing	MEPH – A	701
MEST Acquisition Cartridge Housing (Slim)	MEAH – B	769

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:

HNGC Cartridge	HNGC – B	304
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Auxiliary Equipment:

HNGC Housing	HNGH – A	3
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Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

HNGS Sonde	HNGS – BA	99
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Auxiliary Equipment:

HNGS Sonde Housing	HNSH – BA	102
Gamma Source Radioactive	GSR – U	6098

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.25	Master		16.53	Master		1197
Before		39.64	Before		14.84	Before		1168
	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		8.905	Master		26.59
Before		143.3	Before		7.709	Before		11.69
	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		12.01						
Before		12.89						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: 2–May–2021 10:04

Before: 13–Jun–2021 9:44

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		39.88	Master		15.29	Master		1122
Before		39.51	Before		15.27	Before		1090
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.6	Master		8.040	Master		27.21
Before		140.8	Before		9.507	Before		12.30
	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		12.01						
Before		12.89						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master	<div><div></div></div>	12.32
Before	<div><div></div></div>	13.60
<div><div>10.00</div><div>45.00</div><div>100.0</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>		
Master: 2-May-2021 10:04		
Before: 13-Jun-2021 9:44		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master	<div><div></div></div>	0.9728
Before	<div><div></div></div>	0.9527
<div><div>0.9500</div><div>1.000</div><div>1.050</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>		
Master: 2-May-2021 10:04		
Before: 13-Jun-2021 9:44		

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	<div><div></div></div>	41.00	Master	<div><div></div></div>	209.6	Master	<div><div></div></div>	6.625
<div><div>38.00</div><div>40.00</div><div>43.00</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>			<div><div>201.0</div><div>209.6</div><div>218.3</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>			<div><div>5.000</div><div>7.000</div><div>9.000</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>		
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master	<div><div></div></div>	17.82	Master	<div><div></div></div>	1.015			
<div><div>10.00</div><div>142.5</div><div>265.0</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>			<div><div>0.9400</div><div>1.000</div><div>1.060</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>					
Master: 2-May-2021 10:00								

Hostile Natural Gamma Ray Sonde Master Calibration								
Detector 2 Calibration								
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value
Master	<div><div></div></div>	41.00	Master	<div><div></div></div>	208.8	Master	<div><div></div></div>	7.662
<div><div>38.00</div><div>40.00</div><div>43.00</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>			<div><div>201.0</div><div>209.6</div><div>218.3</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>			<div><div>5.000</div><div>7.000</div><div>9.000</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>		
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master	<div><div></div></div>	16.78	Master	<div><div></div></div>	0.9961			
<div><div>10.00</div><div>142.5</div><div>265.0</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>			<div><div>0.9400</div><div>1.000</div><div>1.060</div><div>(Minimum)</div><div>(Nominal)</div><div>(Maximum)</div></div>					
Master: 2-May-2021 10:00								

DTS Telemetry Tool / Equipment Identification		
Primary Equipment:		
DTC-H Auxiliary Cartridge	DTCH – A	8799
DTC-H Telemetry Cartridge	DTCH – A	8799
Auxiliary Equipment:		
DTCH Telemetry Cartridge Housing	ECH – KC	9842

COVID-19 Recreational

Atlantic

Dipole Shear Sonic (DSI)

Natural Gamma (HNGS)