



Company: International Ocean Discovery Program

Well: **Expedition 395C, Site U1554F**

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 U1554F 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. 5 deg	Longitude W 26.7022	Latitude N 60.12539

Logging Date		8-Jul-2021			
Run Number		1			
Depth Driller		2660.7 m			
Schlumberger Depth		2661 m			
Bottom Log Interval		2660 m			
Top Log Interval		1879 m			
Casing Driller Size @ Depth		10.750 in	@	2482 m	@
Casing Schlumberger		2484 m			
Bit Size		9.875 in			
Type Fluid In Hole		Sea Water			
MUD	Density	Viscosity	1.023 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	0.369 @ 5	@ 5	@	@
Maximum Recorded Temperatures		5 degC			
Circulation Stopped		Time	8-Jul-2021	9:00	
Logger On Bottom		Time	8-Jul-2021	17:15	
Unit Number		Location	627314	Larose, LA	
Recorded By		K. Swain			
Witnessed By		Z. Mateo			

[illegible]

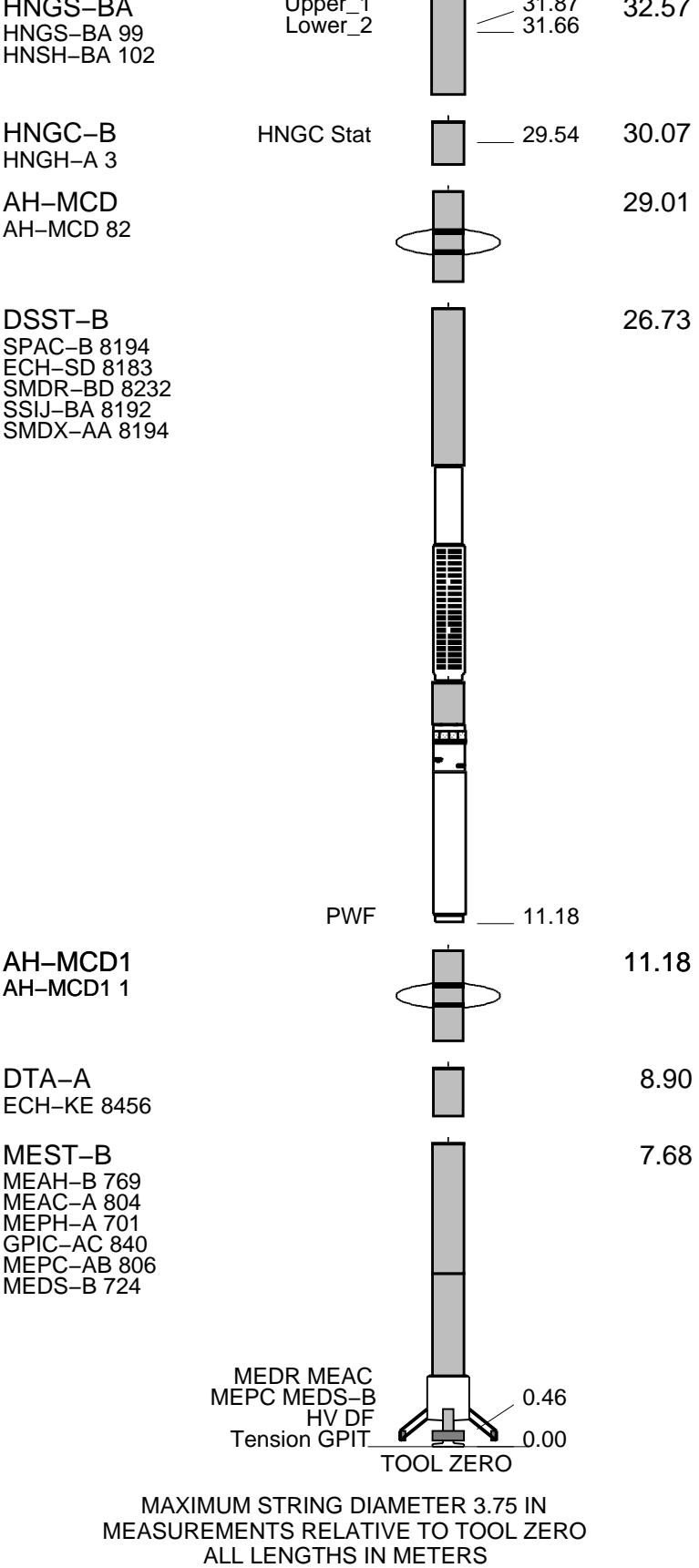
	Logging Date			
	Run Number			
	Depth Driller			
	Schlumberger Depth			
	Bottom Log Interval			
	Top Log Interval			
	Casing Driller Size @ Depth		@	
	Casing Schlumberger			
	Bit Size			
	Type Fluid In Hole			
MUD	Density	Viscosity		
	Fluid Loss	PH		
	Source Of Sample			
	RM @ Measured Temperature		@	
	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			

DISCLAIMER

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.

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Hole drilled with RCB bottom hole assembly (BHA) at 9.875" BS	
Drill pipe set at 2469.5 mbrf.	
Fluid type was seawater displaced in the hole prior to logging.	
Depth recorded from drill floor; logs presented as-logged without depth corrections or shifts, as per client instructions.	
All logs presented in wireline measured depth below rig floor (MDBRF).	
Caliper opened during upward passes; closed inside pipe and while logging down.	
Hole size corrections made using caliper measurements for upward passes	bit size
used for downlog corrections.	
AHC used from TD then switched off to facilitate pipe entry.	
Caliper closed prior to shutting off compensator and entering pipe or casing.	
Downlog flipped and note the caliper closed logging down.	

[illegible]



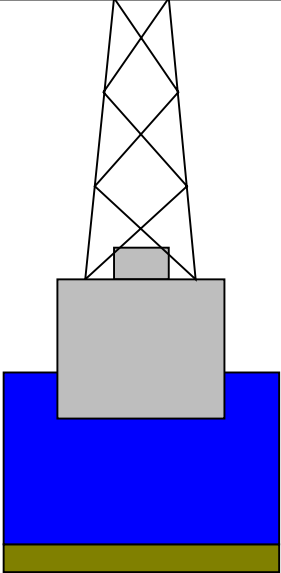
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	OD	ID

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

0
0

11



4.1



1880.8 4.1
2469.5 9.875

2482.9 CSG 10 3/4"
2660.7

Sea Floor
Open Hole

Total Depth



Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_025LUP	PRODUCER	09-Jul-2021 03:00	2661.5 M	1817.4 M
---------	-------------------------	----------	-------------------	----------	----------

Output DLIS Files

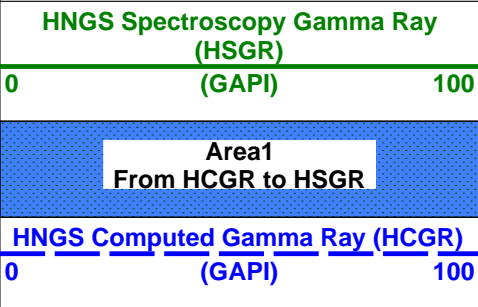
DEFAULT	FMS_DSI_NGS_029PUP	FN:45	PRODUCER	09-Jul-2021 03:14	2661.5 M	1817.4 M
BACKUP	FMS_DSI_NGS_029PUP	FN:46	PRODUCER	09-Jul-2021 03:14	2661.5 M	1817.4 M

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

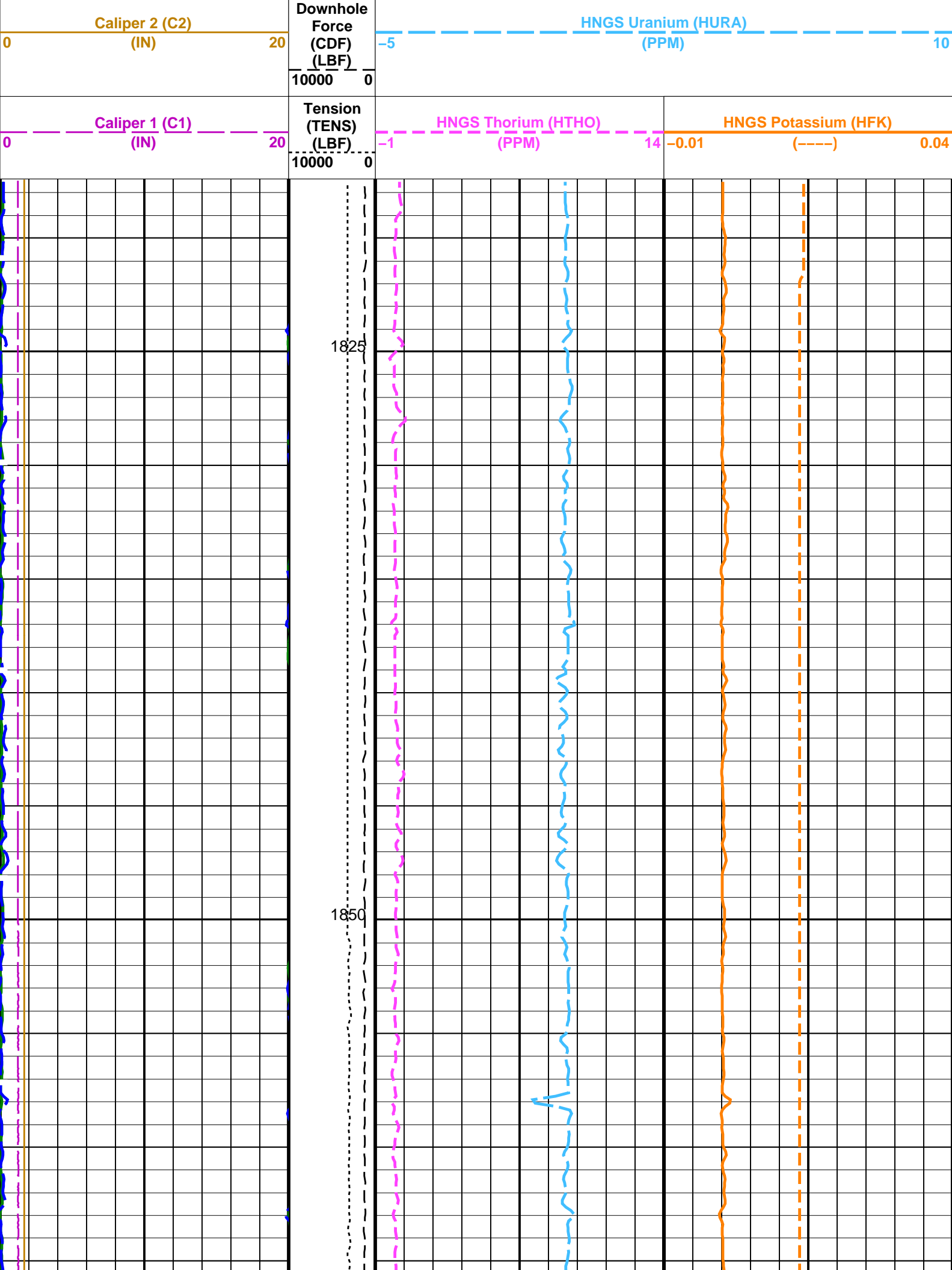
 Time Mark Every 60 S

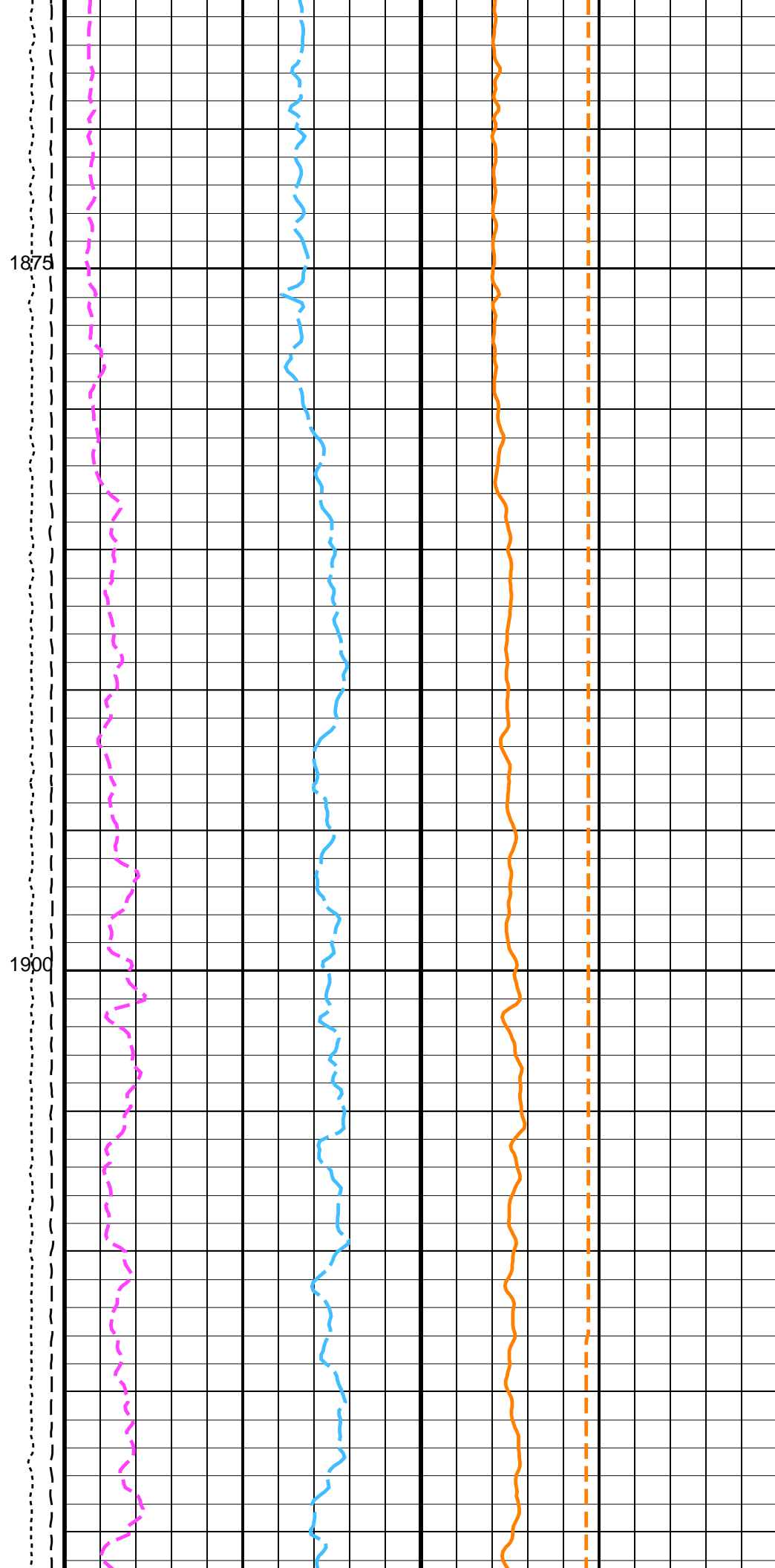
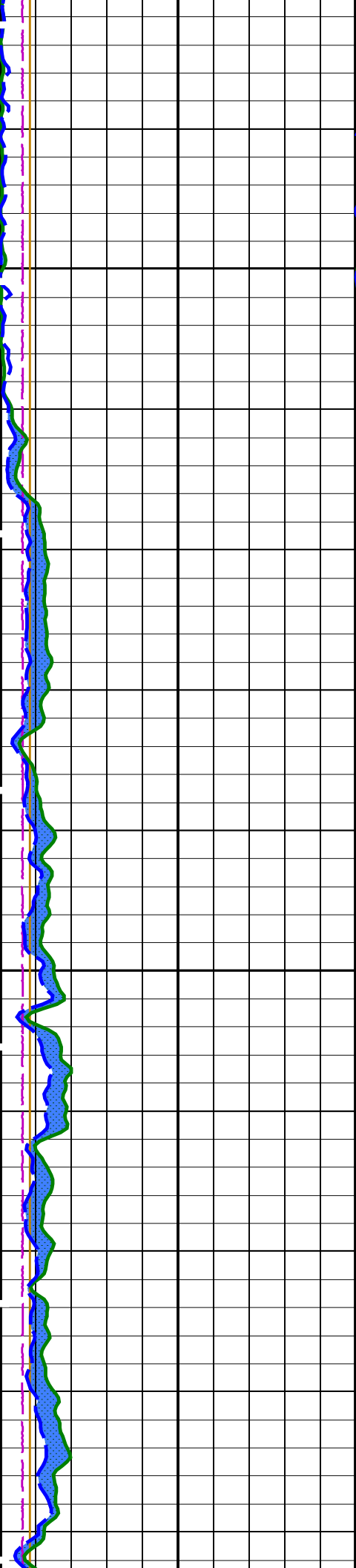


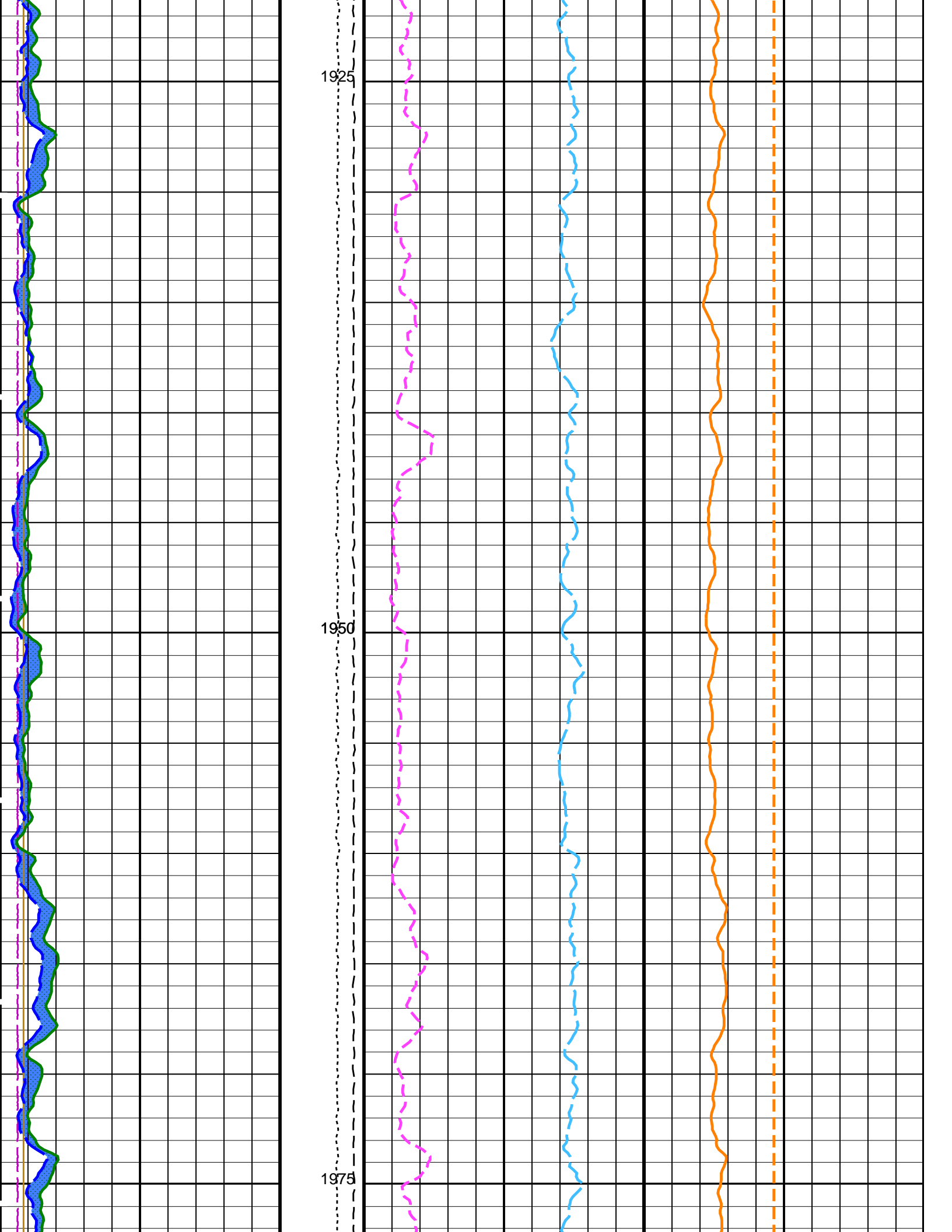
Downlog

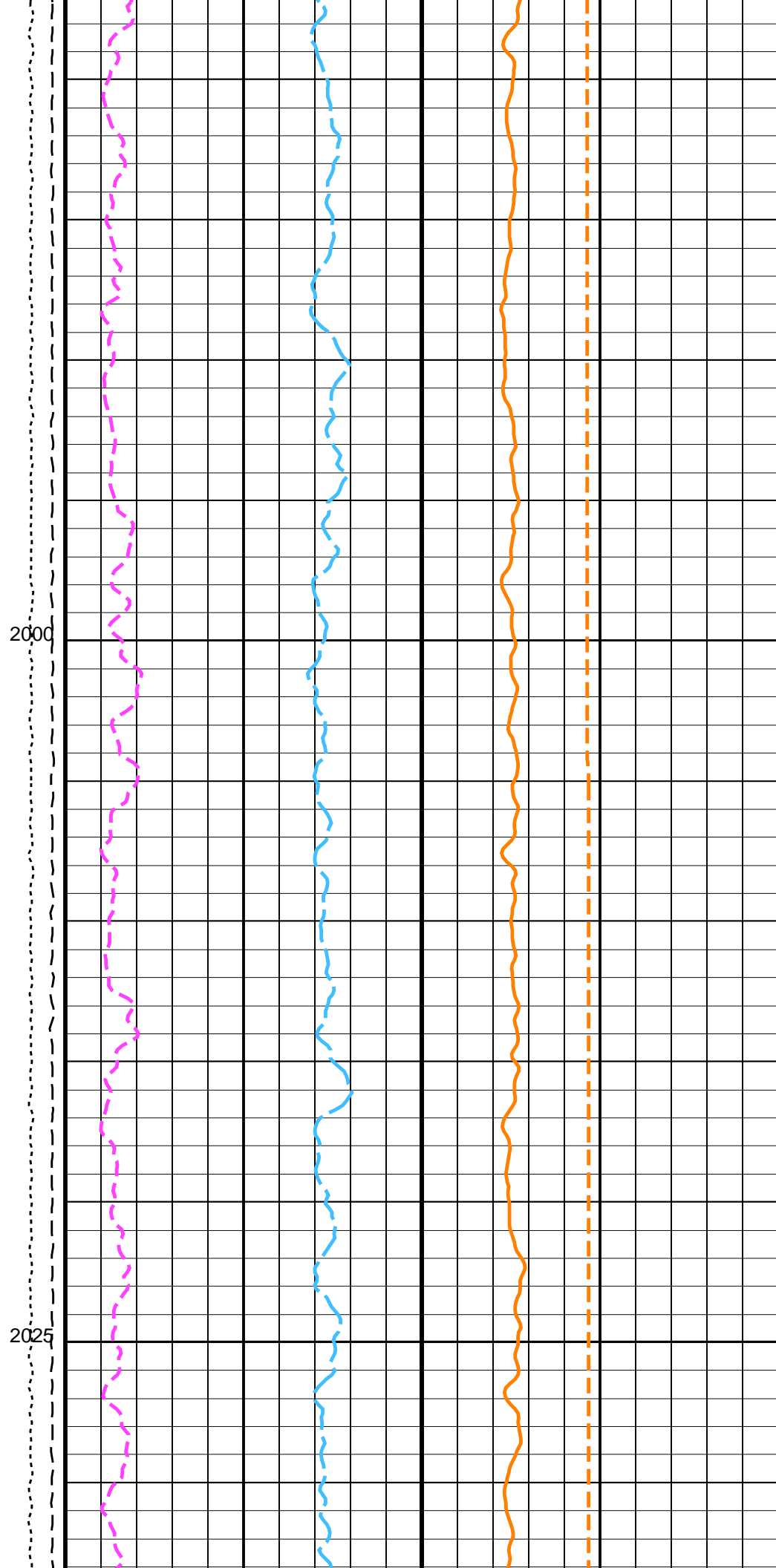
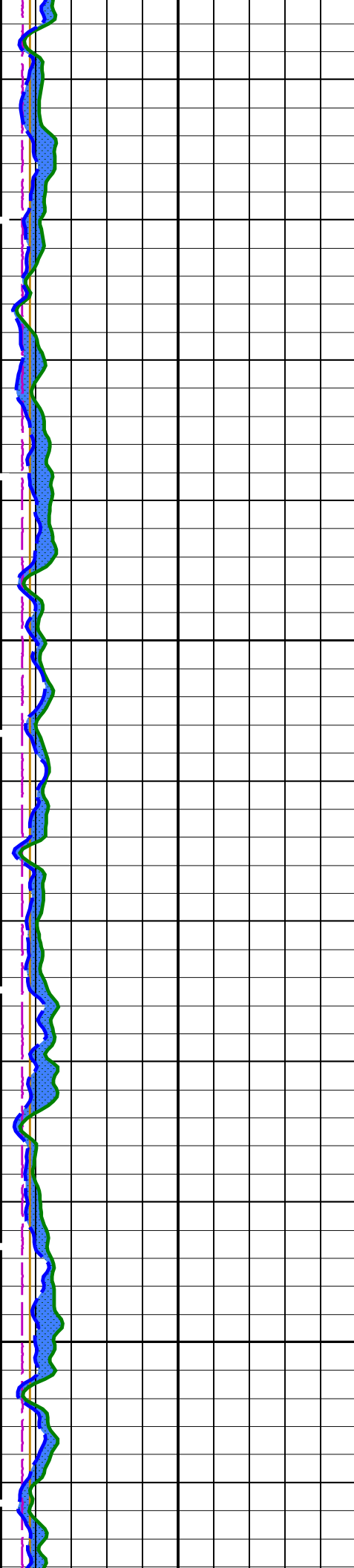


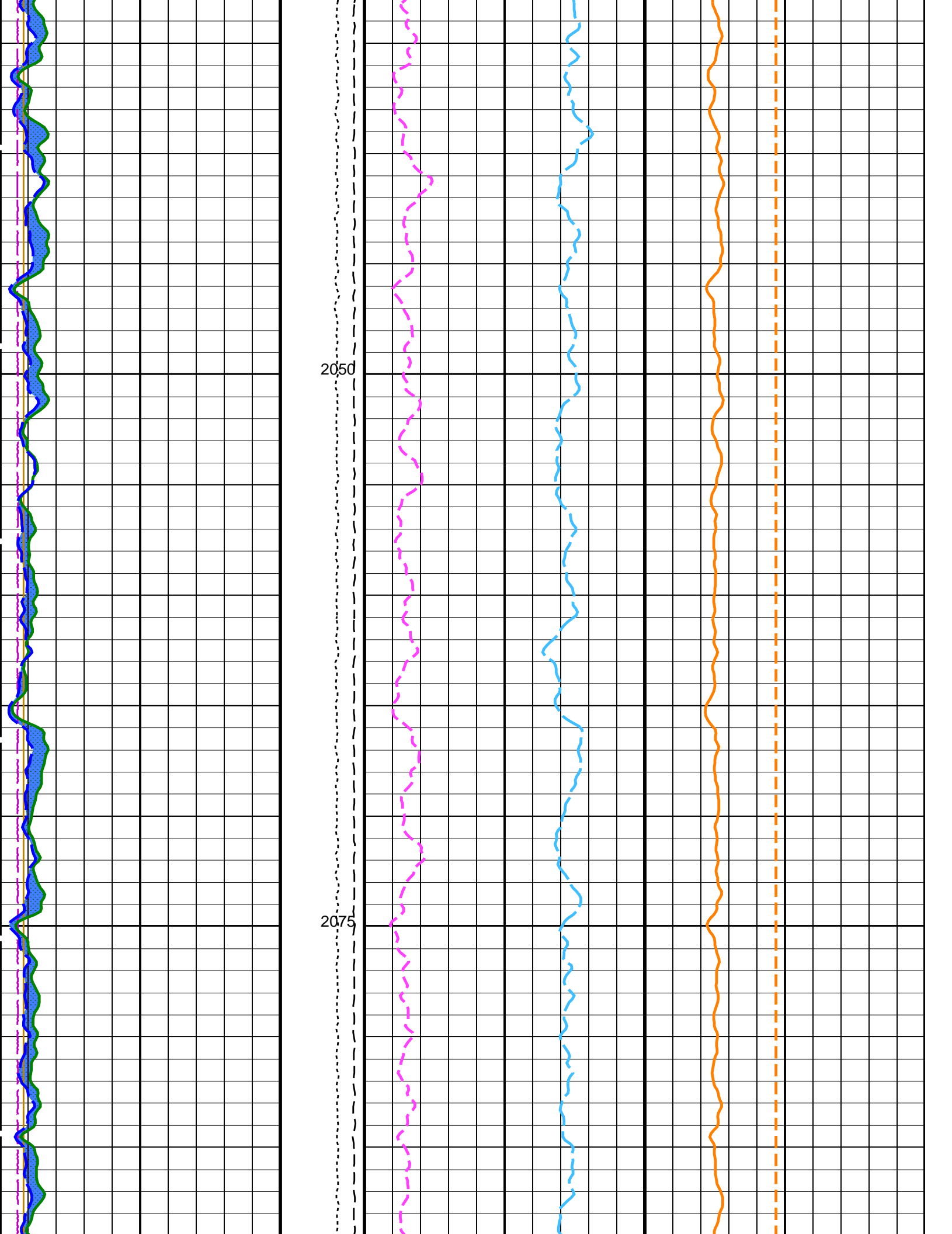
Calibrated

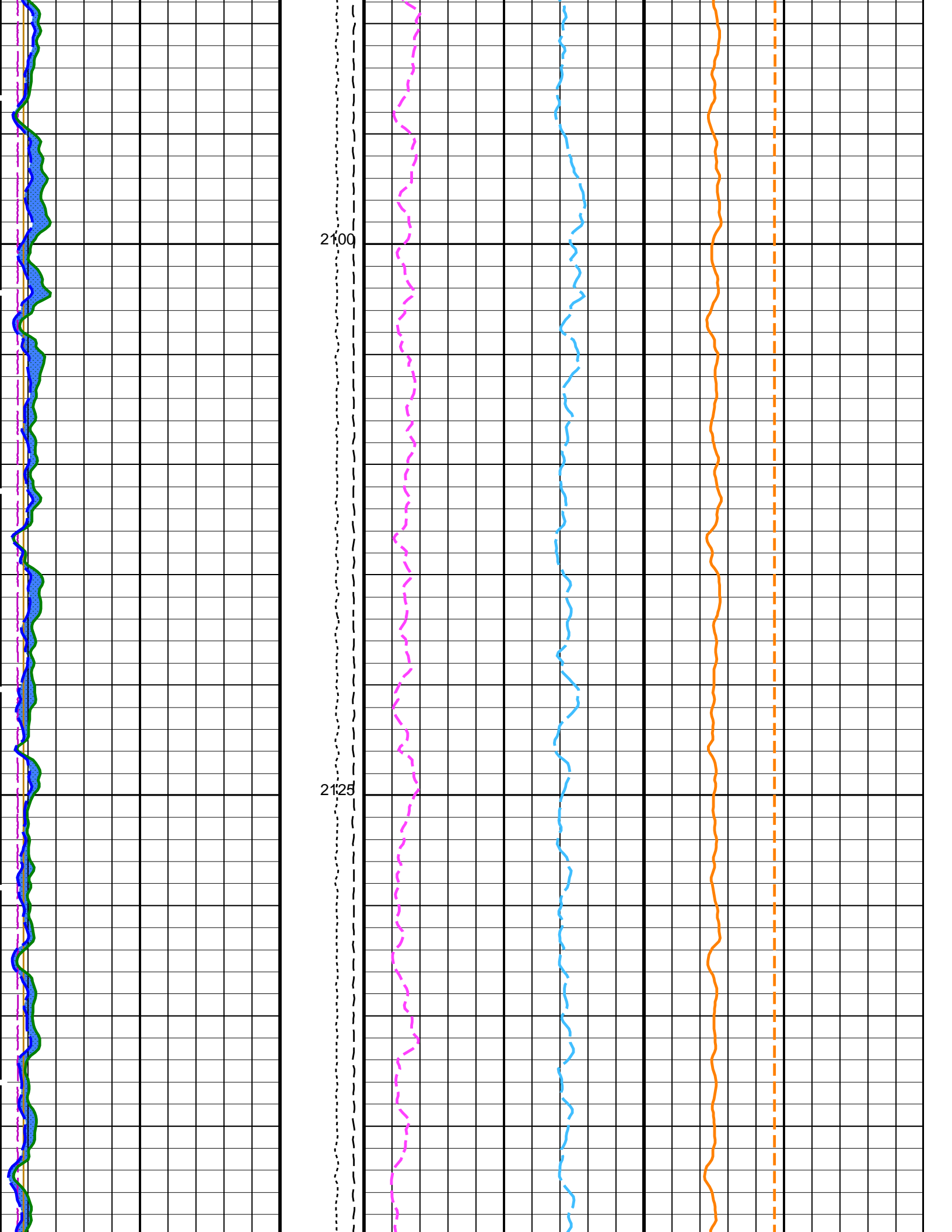


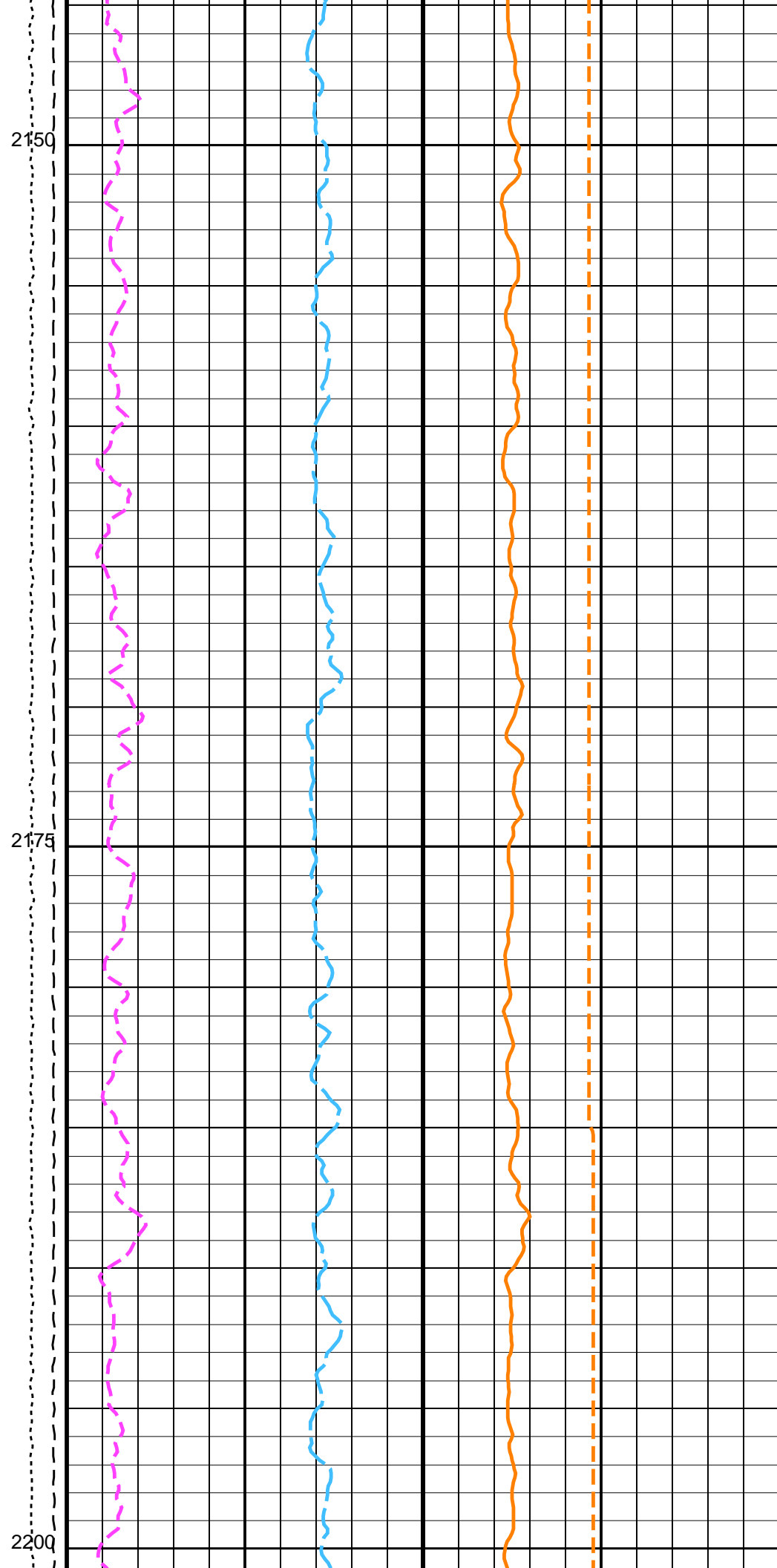
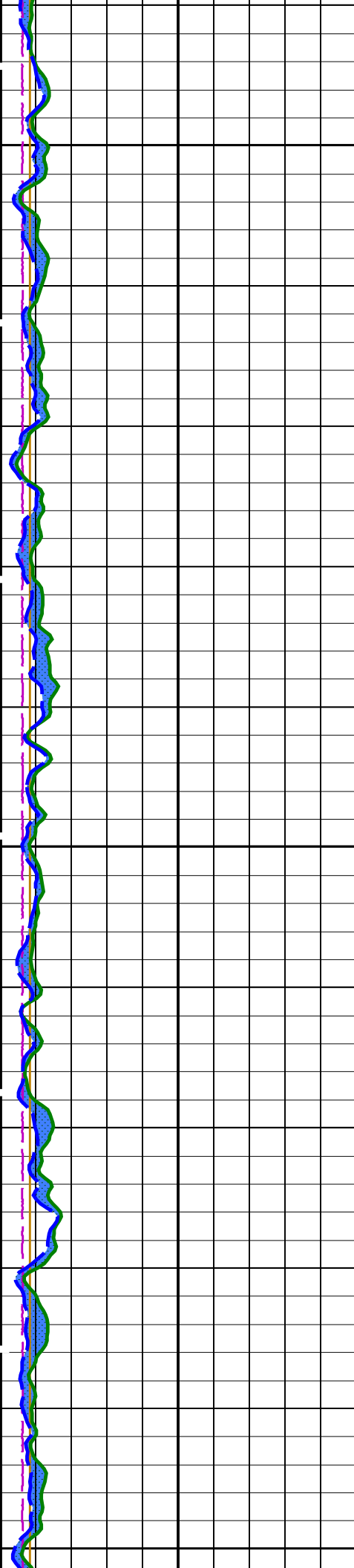


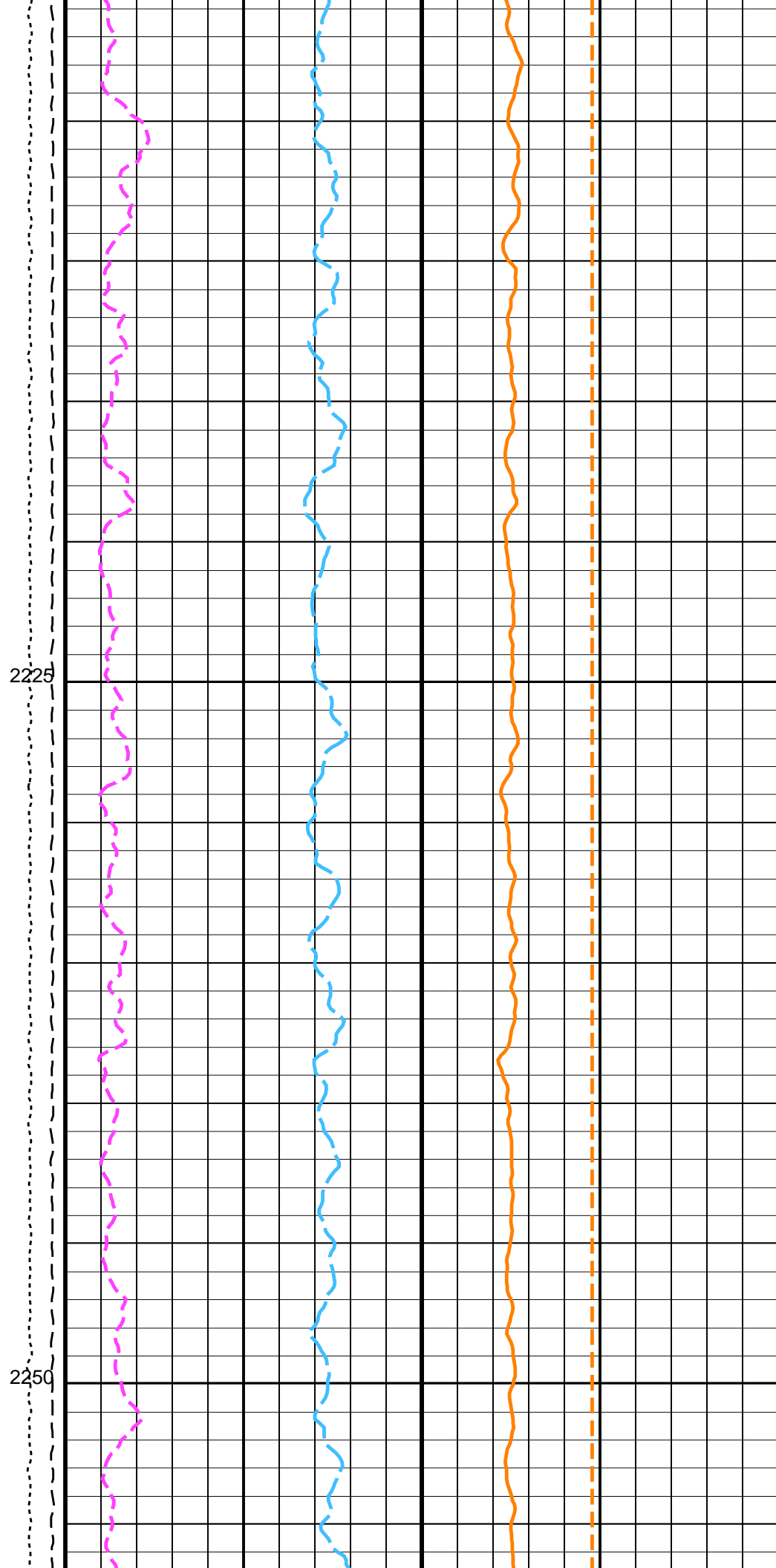
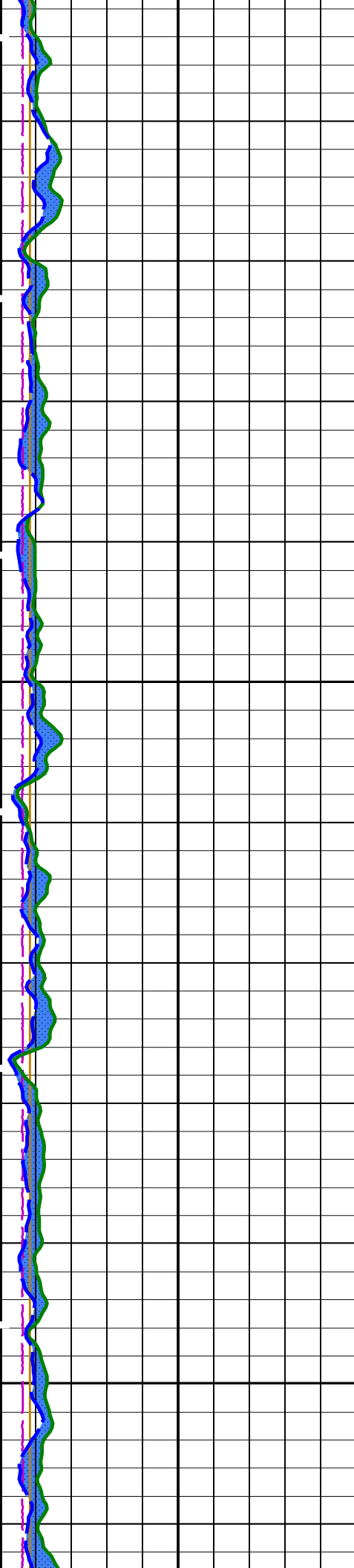


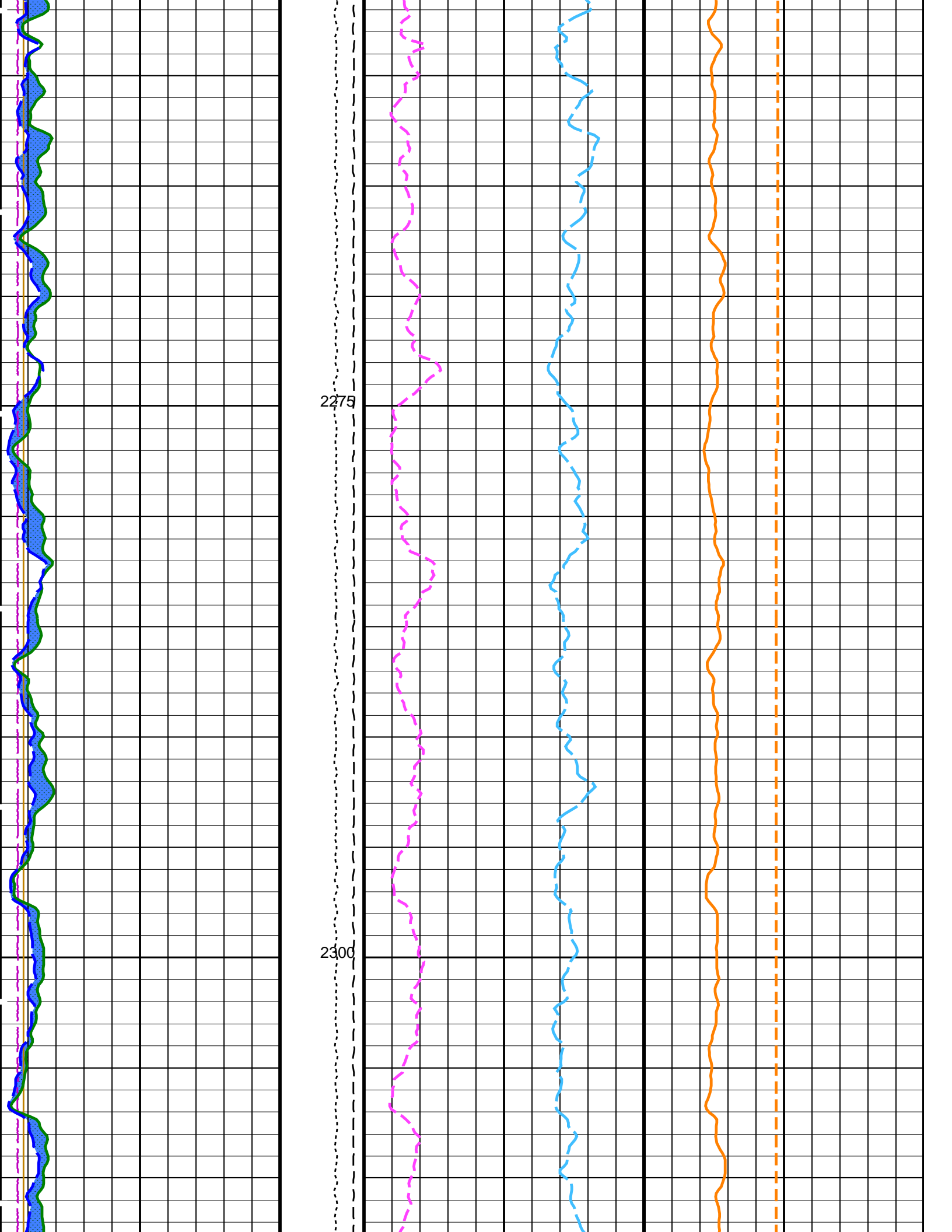


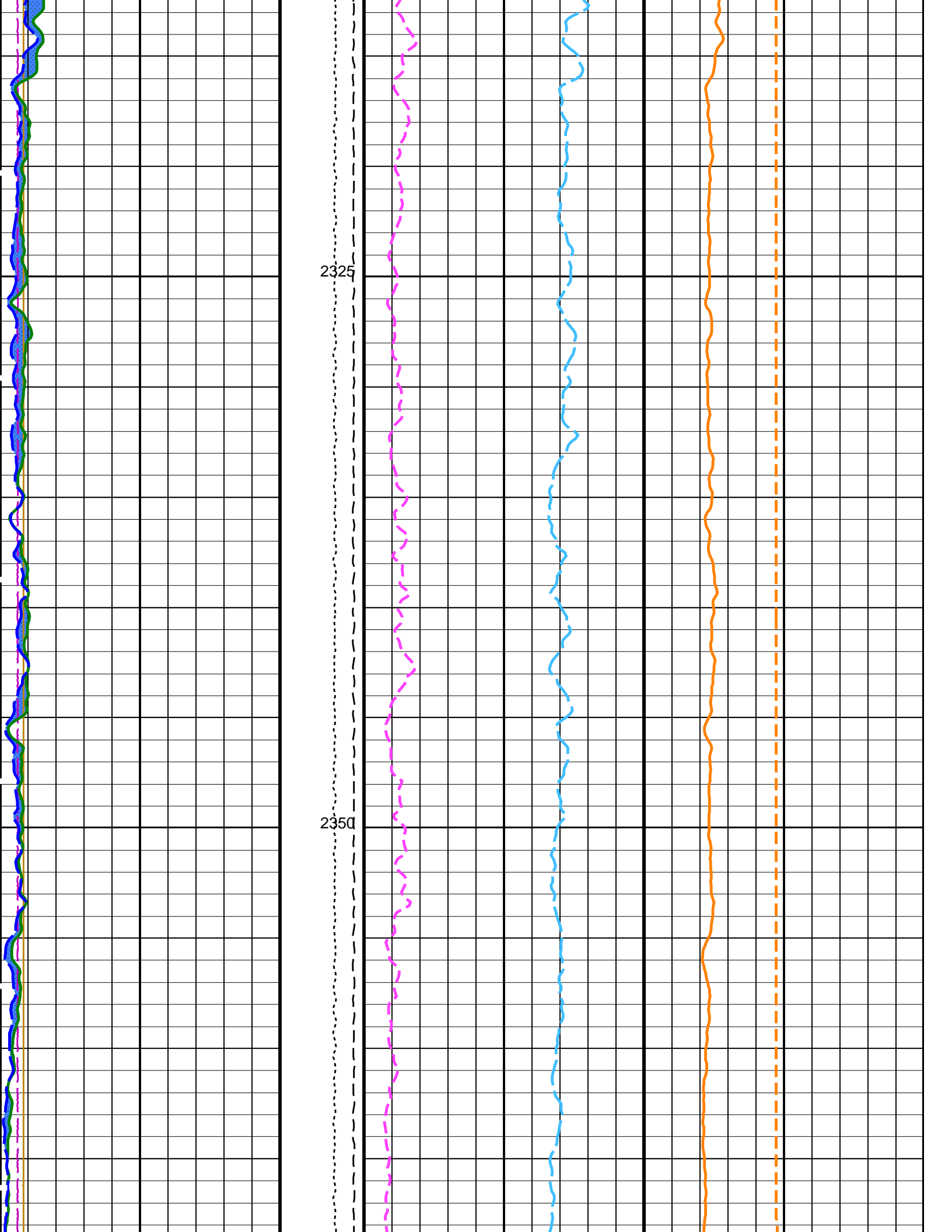


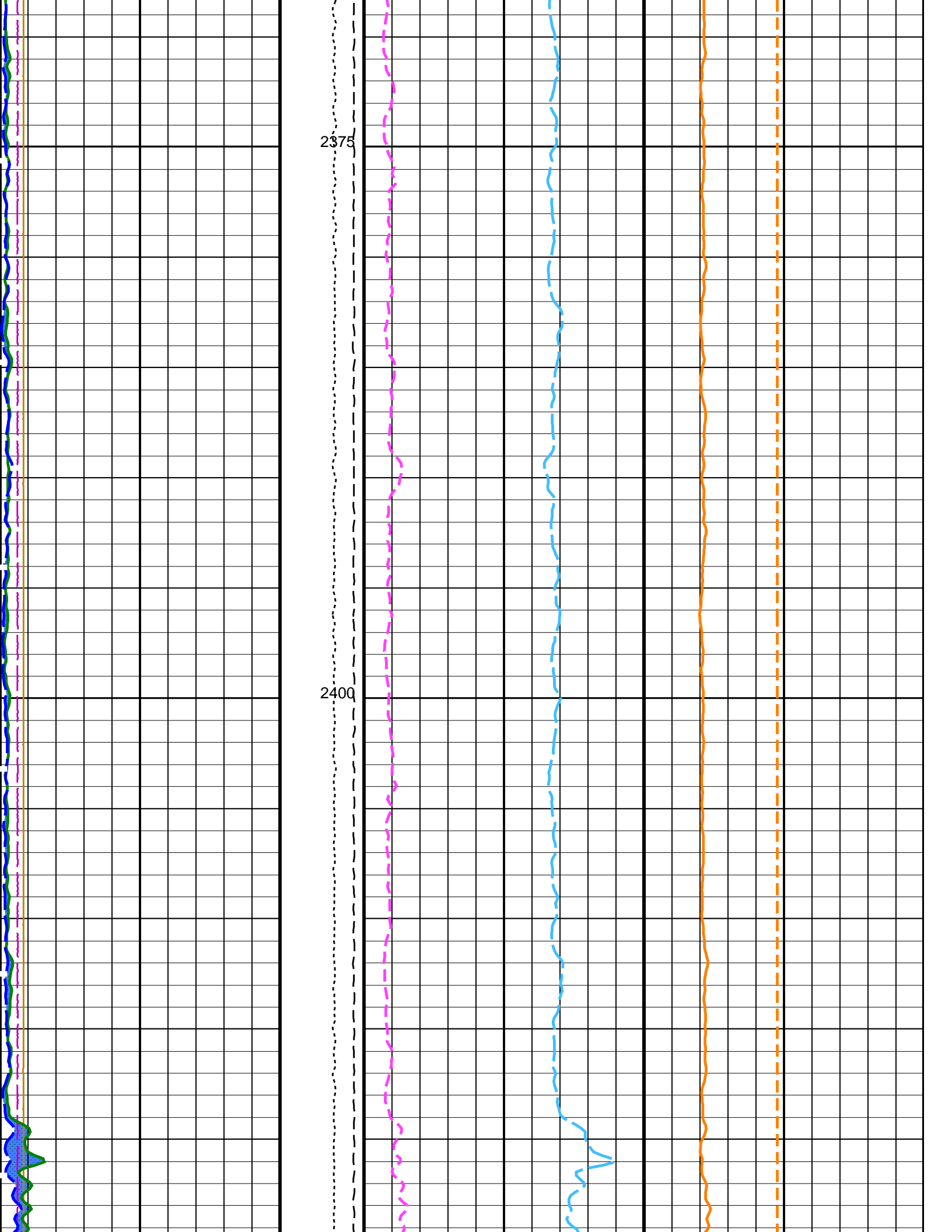


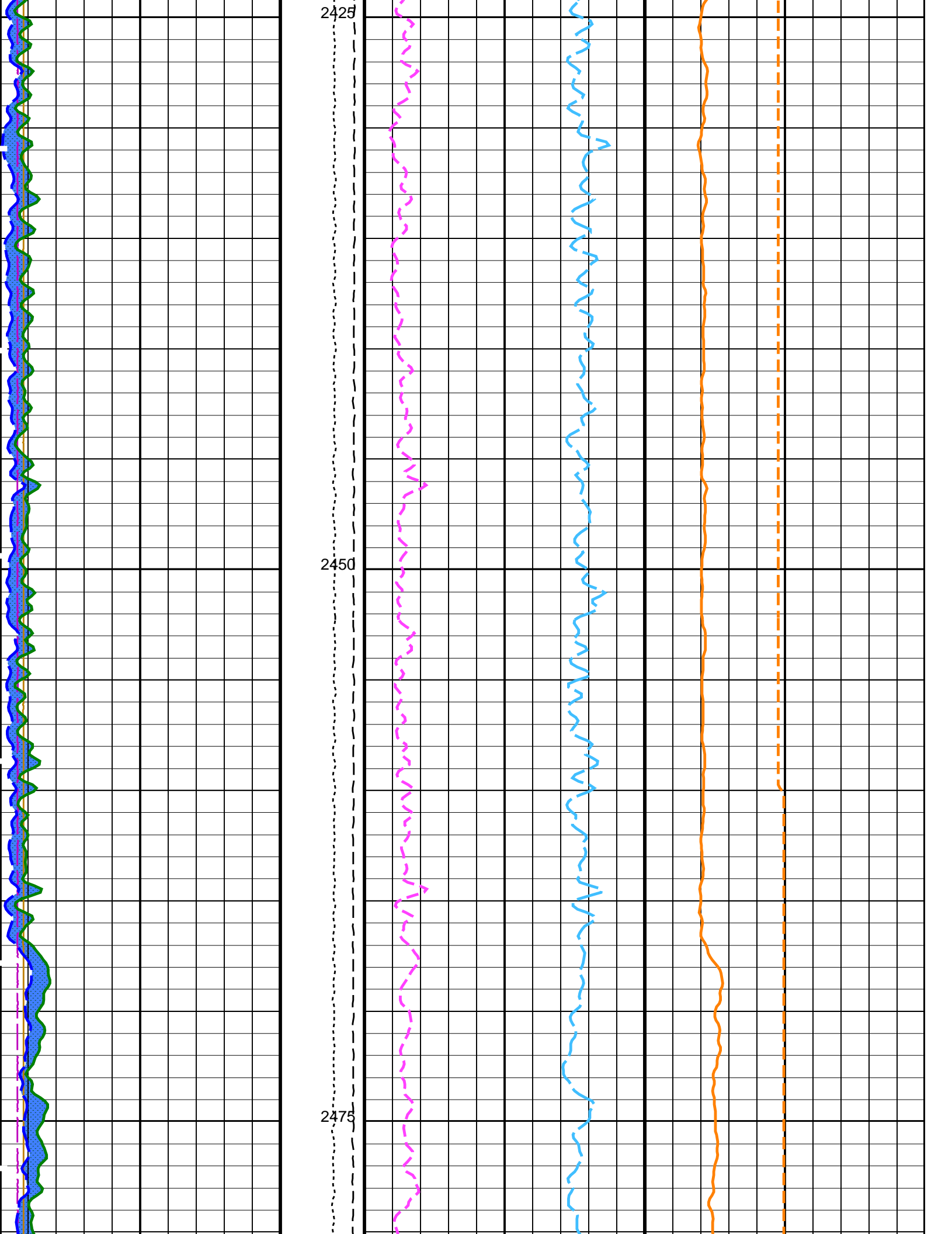


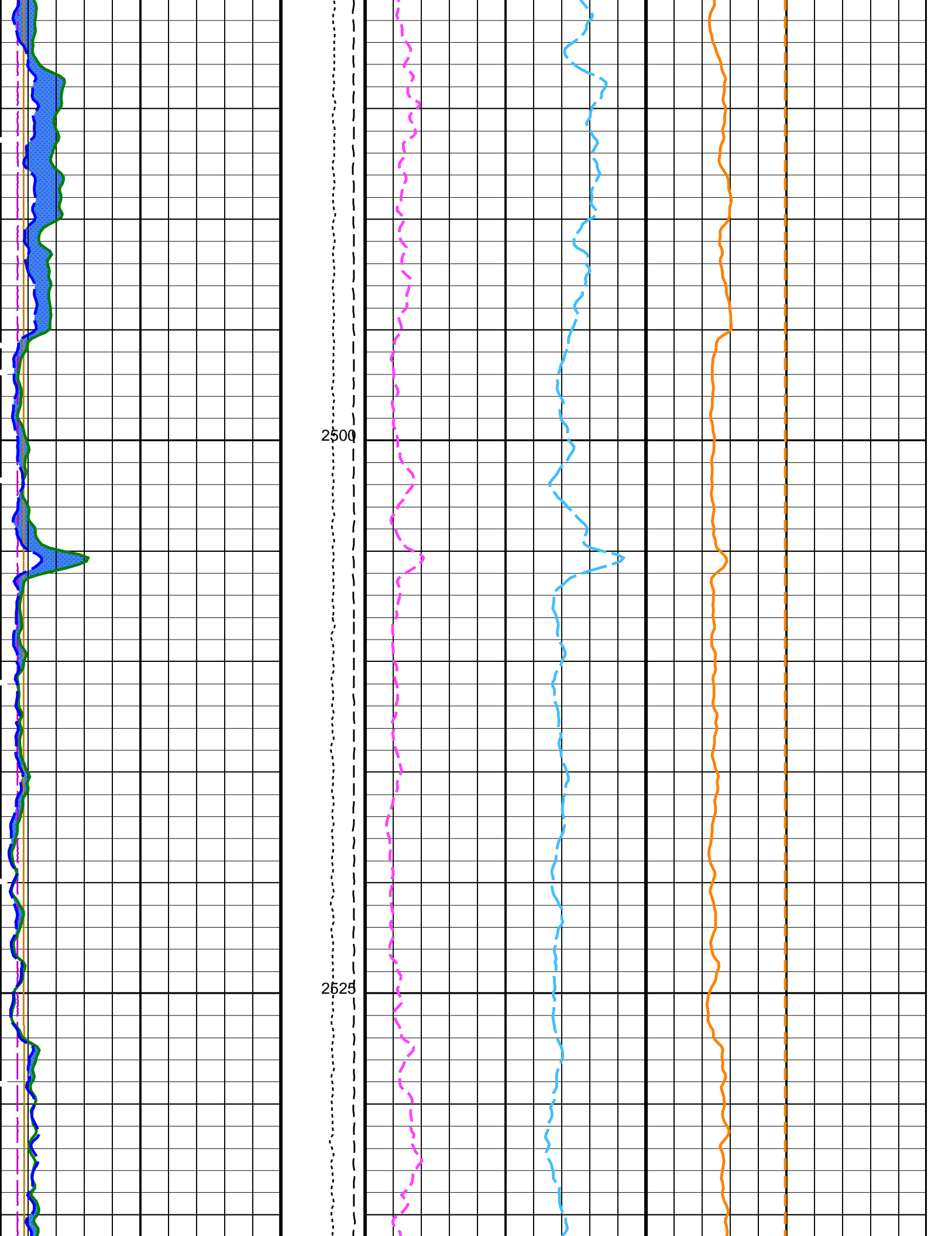


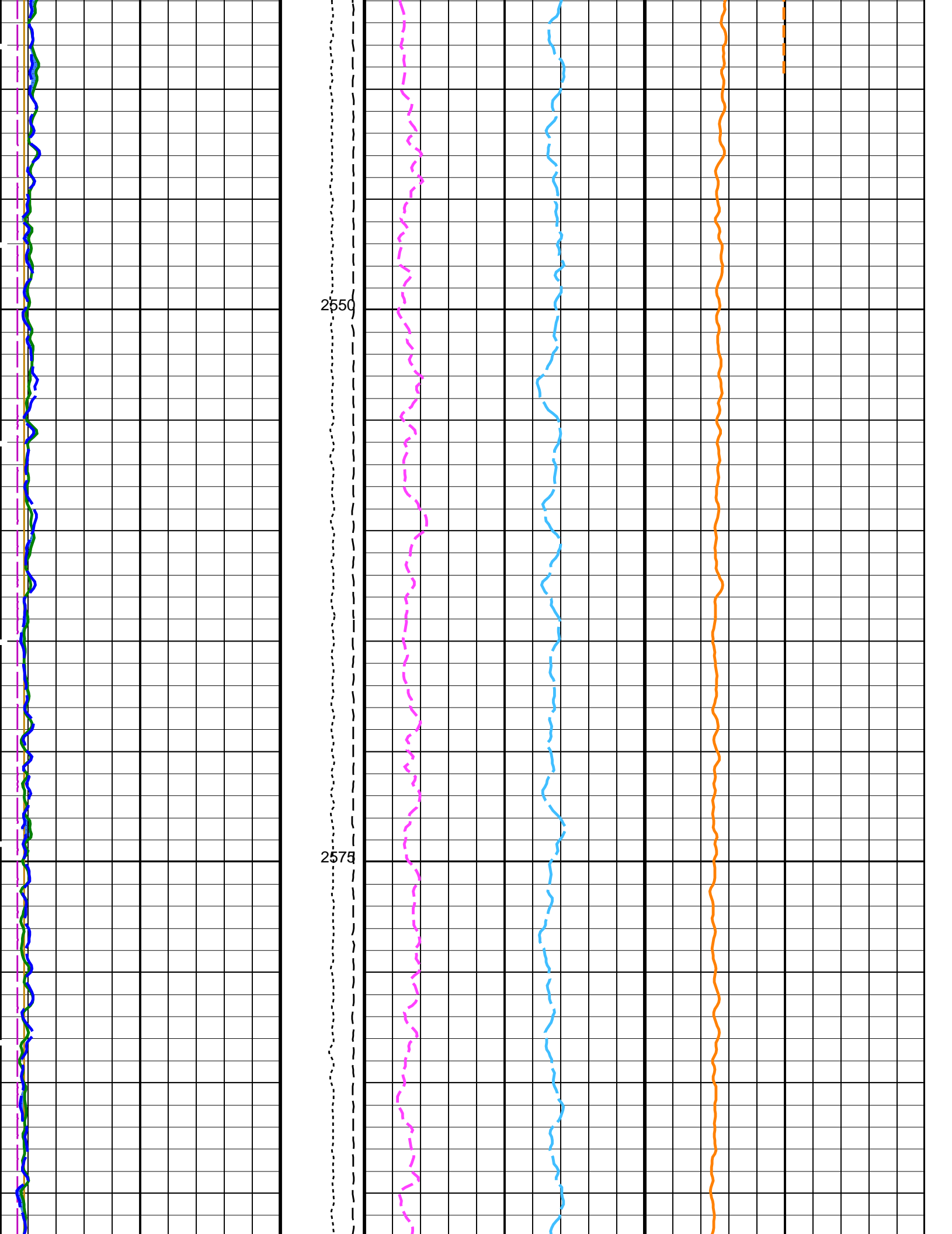


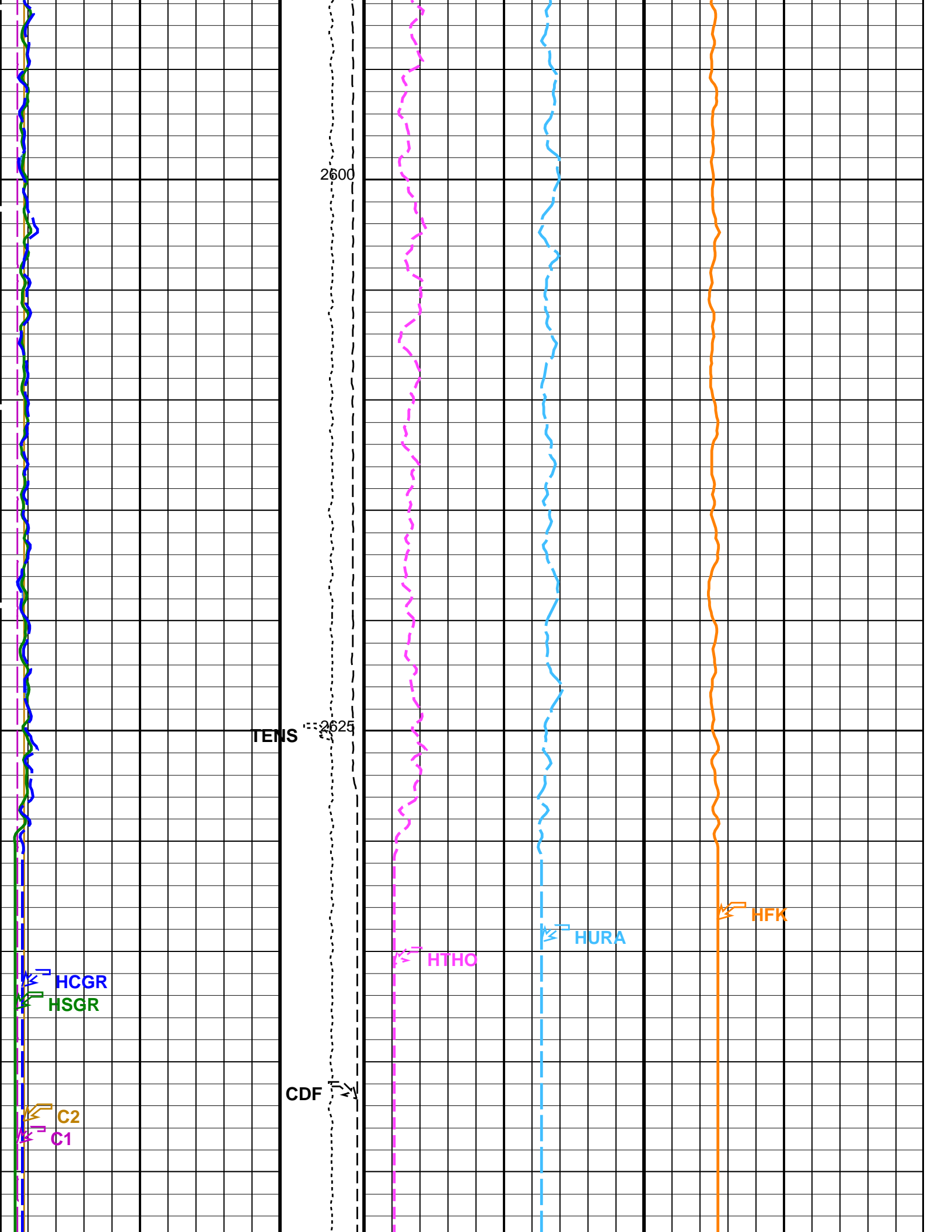


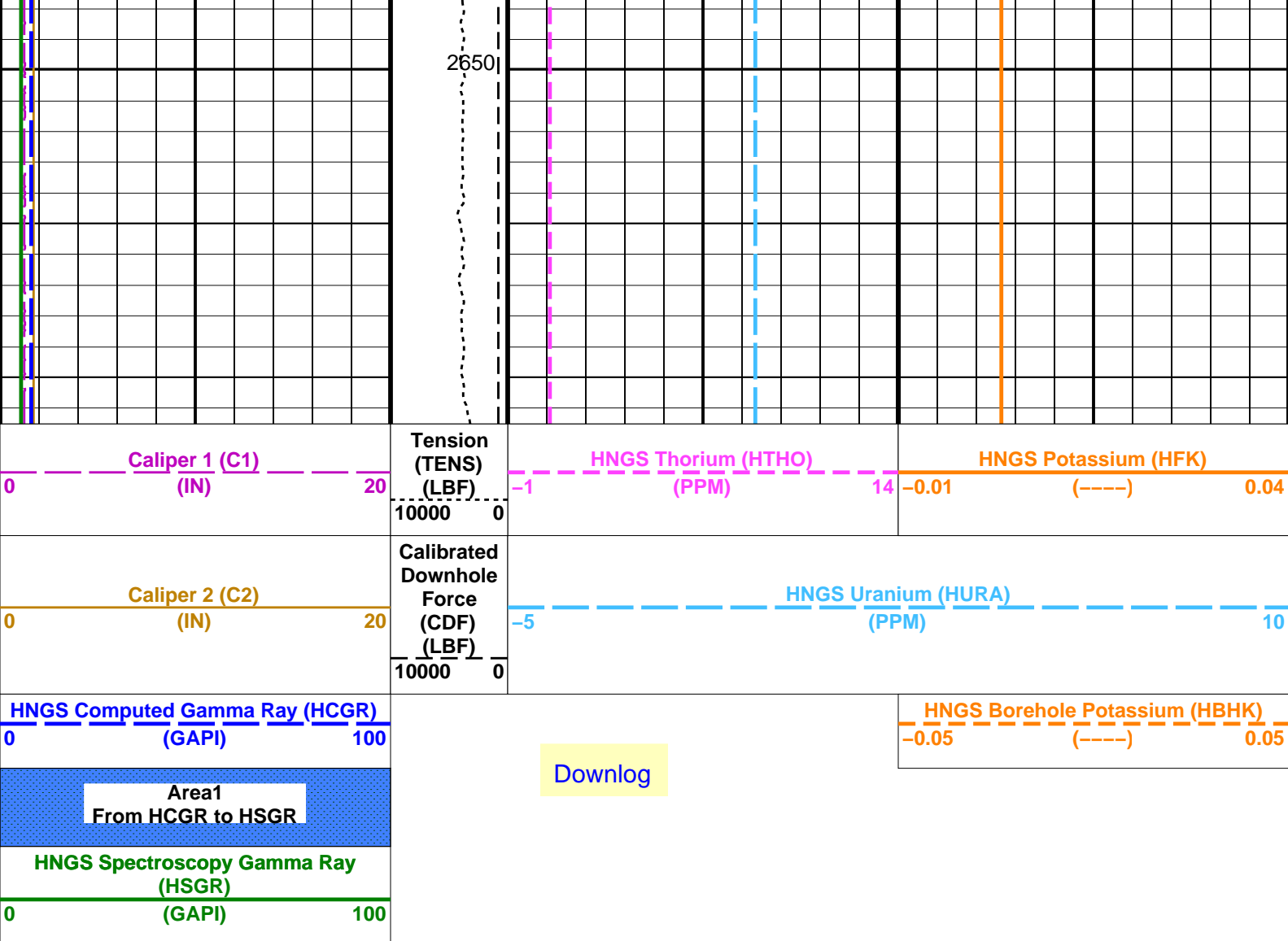












PIP SUMMARY

Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
BHS	DSST-B: Dipole Shear Imager - B		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	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	-0.0026764	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958559	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01896	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	CG/CG

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					
DEFAULT	Flip_FMS_DSI_NGS_025LUP	PRODUCER	09-Jul-2021 03:00	2661.5 M	1817.4 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_029PUP	FN:45	PRODUCER	09-Jul-2021 03:14	
BACKUP	FMS_DSI_NGS_029PUP	FN:46	PRODUCER	09-Jul-2021 03:14	

Input DLIS Files					
DEFAULT	Flip_FMS_DSI_NGS_025LUP	PRODUCER	09-Jul-2021 03:00	2661.5 M	1817.4 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_029PUP	FN:45	PRODUCER	09-Jul-2021 03:14	2661.5 M
BACKUP	FMS_DSI_NGS_029PUP	FN:46	PRODUCER	09-Jul-2021 03:14	2661.5 M

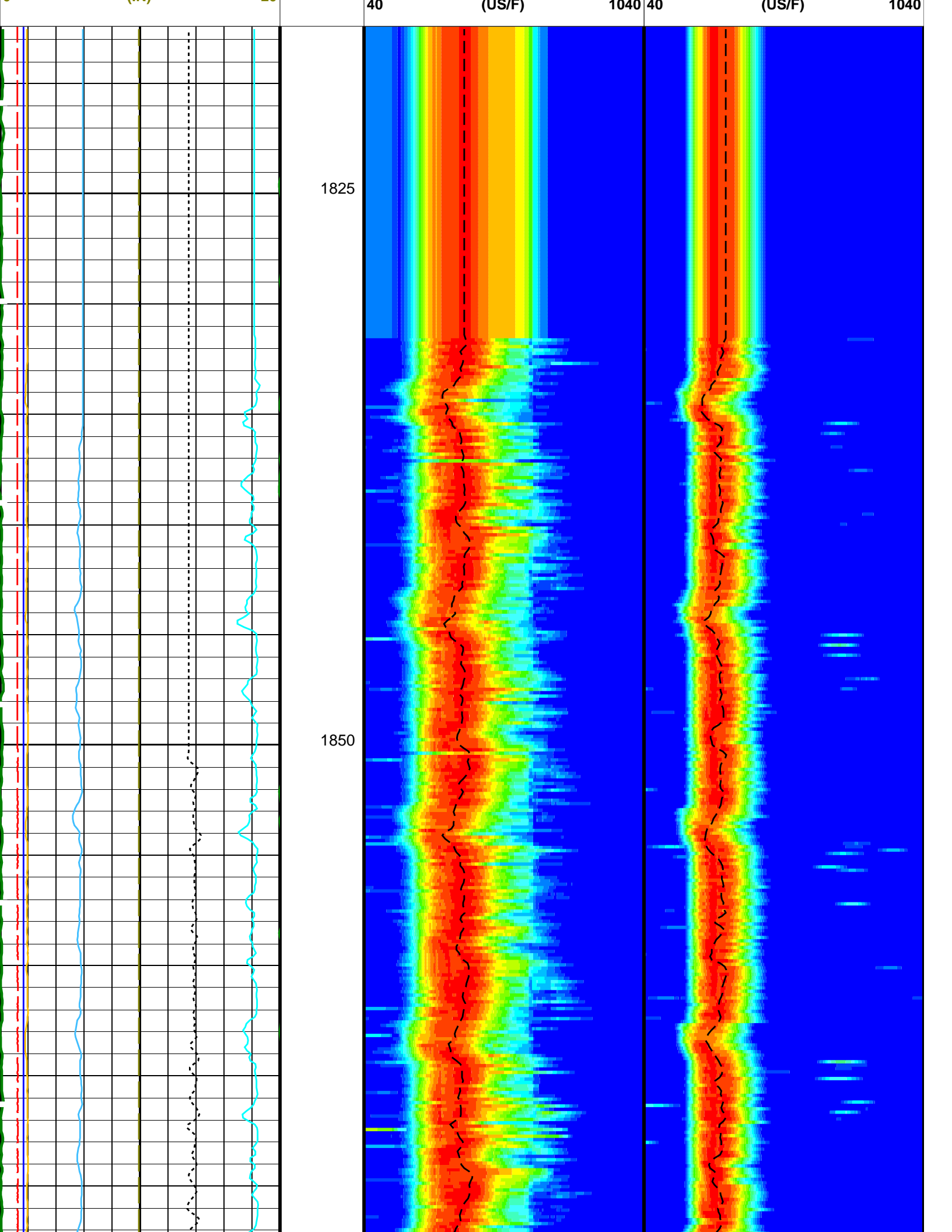
OP System Version: 19C0-187					
MEST-B	19C0-187	DTA-A	19C0-187		
DSST-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	DTC-H	19C0-187		

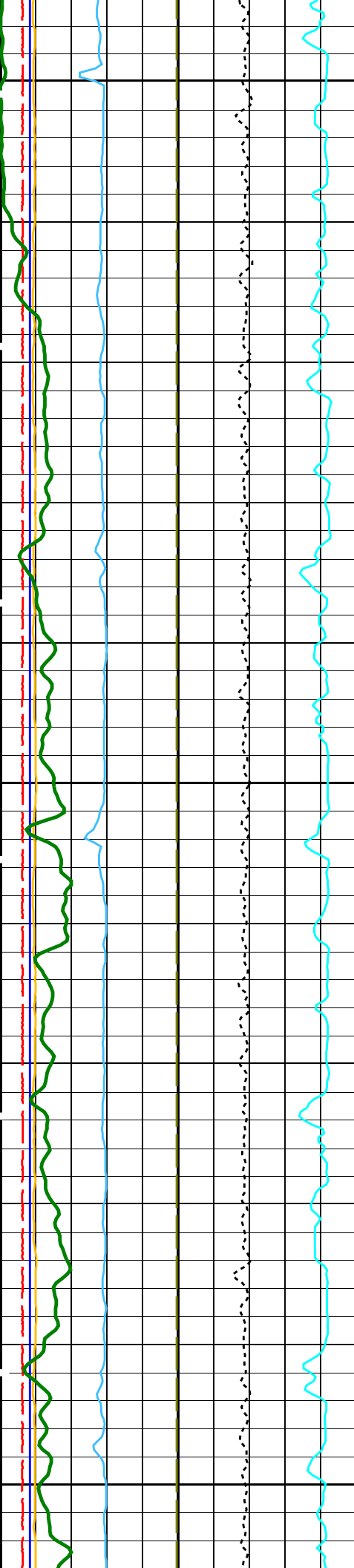
PIP SUMMARY					
<div>Time Mark Every 60 S</div>					

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) (M/S)		
1000		6000
Caliper 2 (C2) (IN)		
0		20
Caliper 1 (C1) (IN)		
0		20
Bit Size (BS) (IN)		
0		20

Downlog

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
Delta-T Shear / RA - Lower Dipole (DT1R)			Delta-T Shear / RA - Upper Dipole (DT2R)		

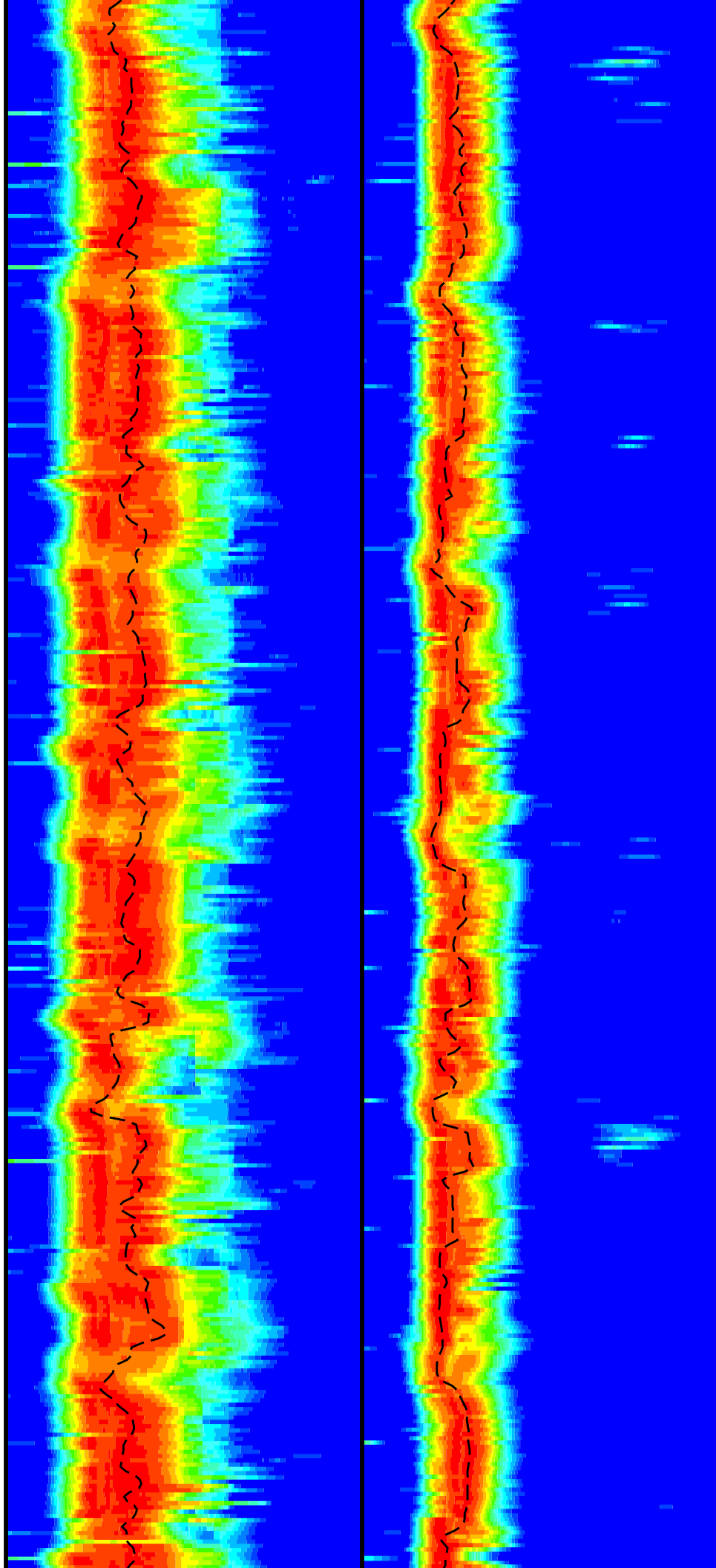


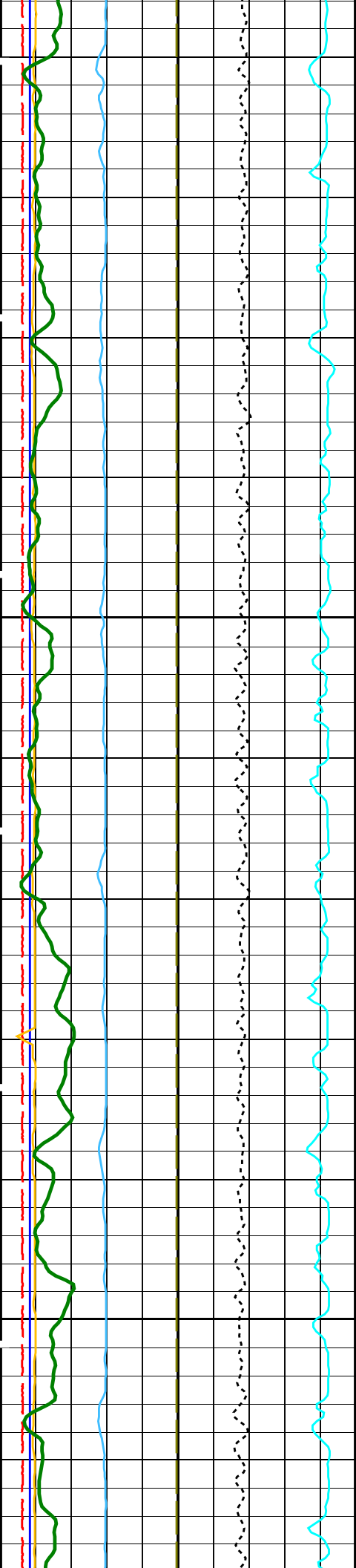


1875

1900

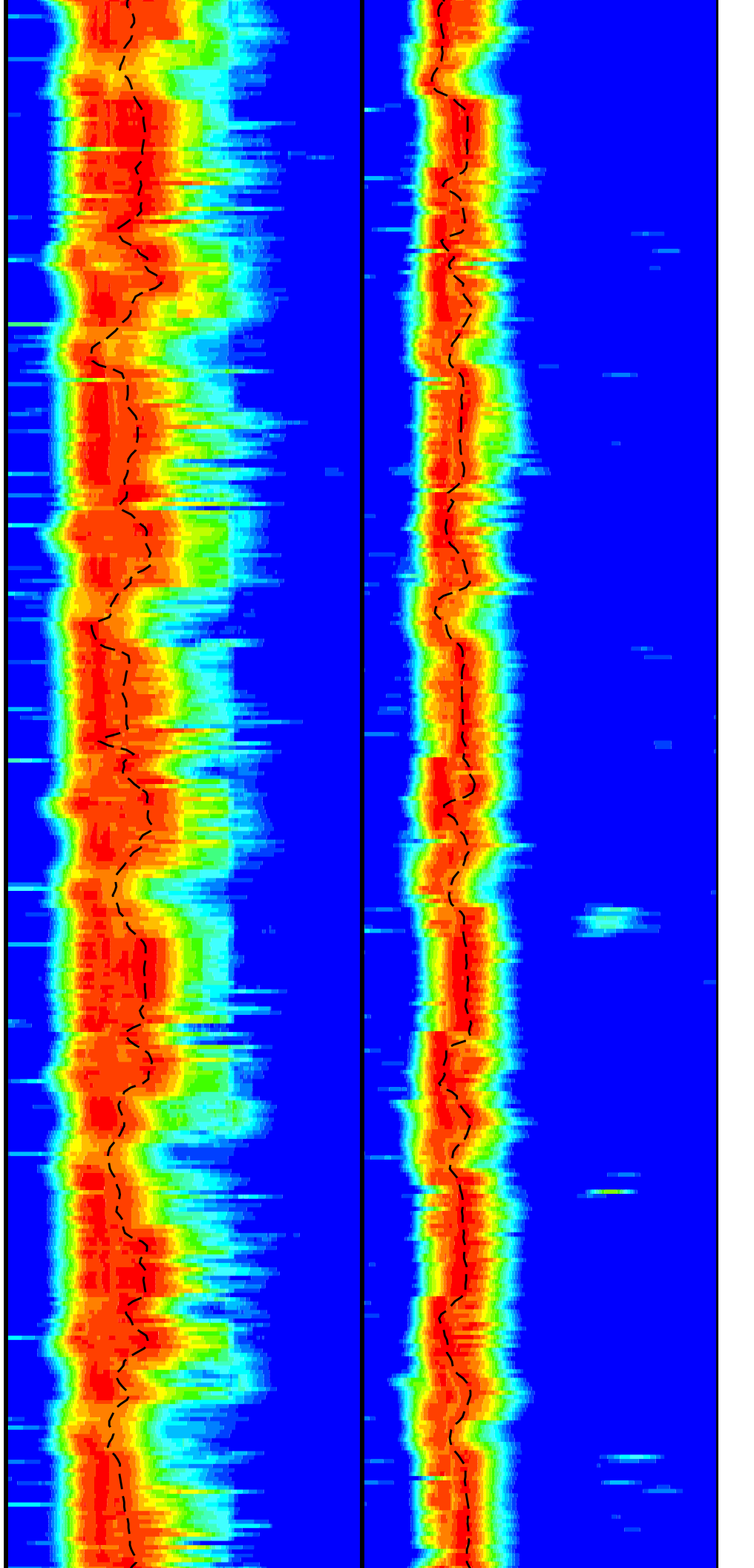
1925

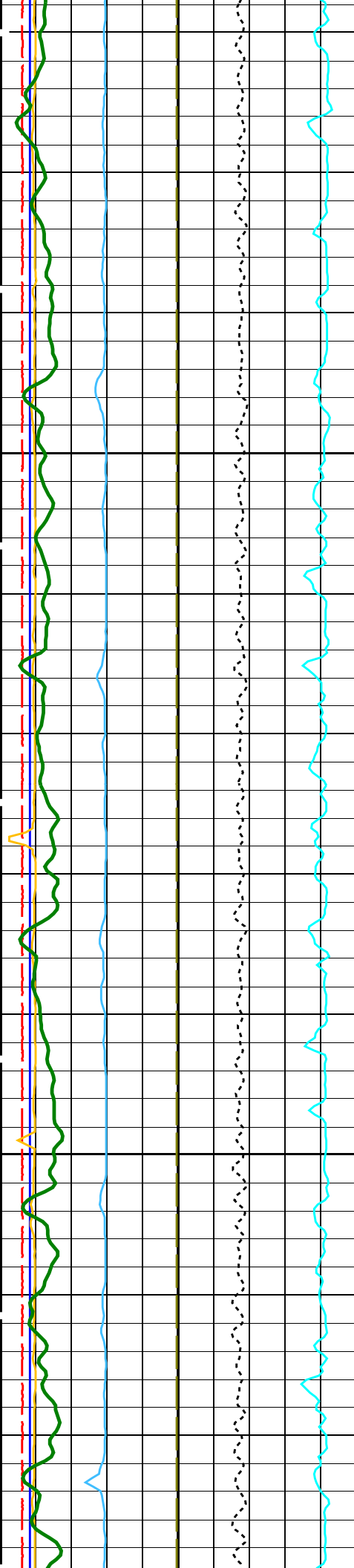




1950

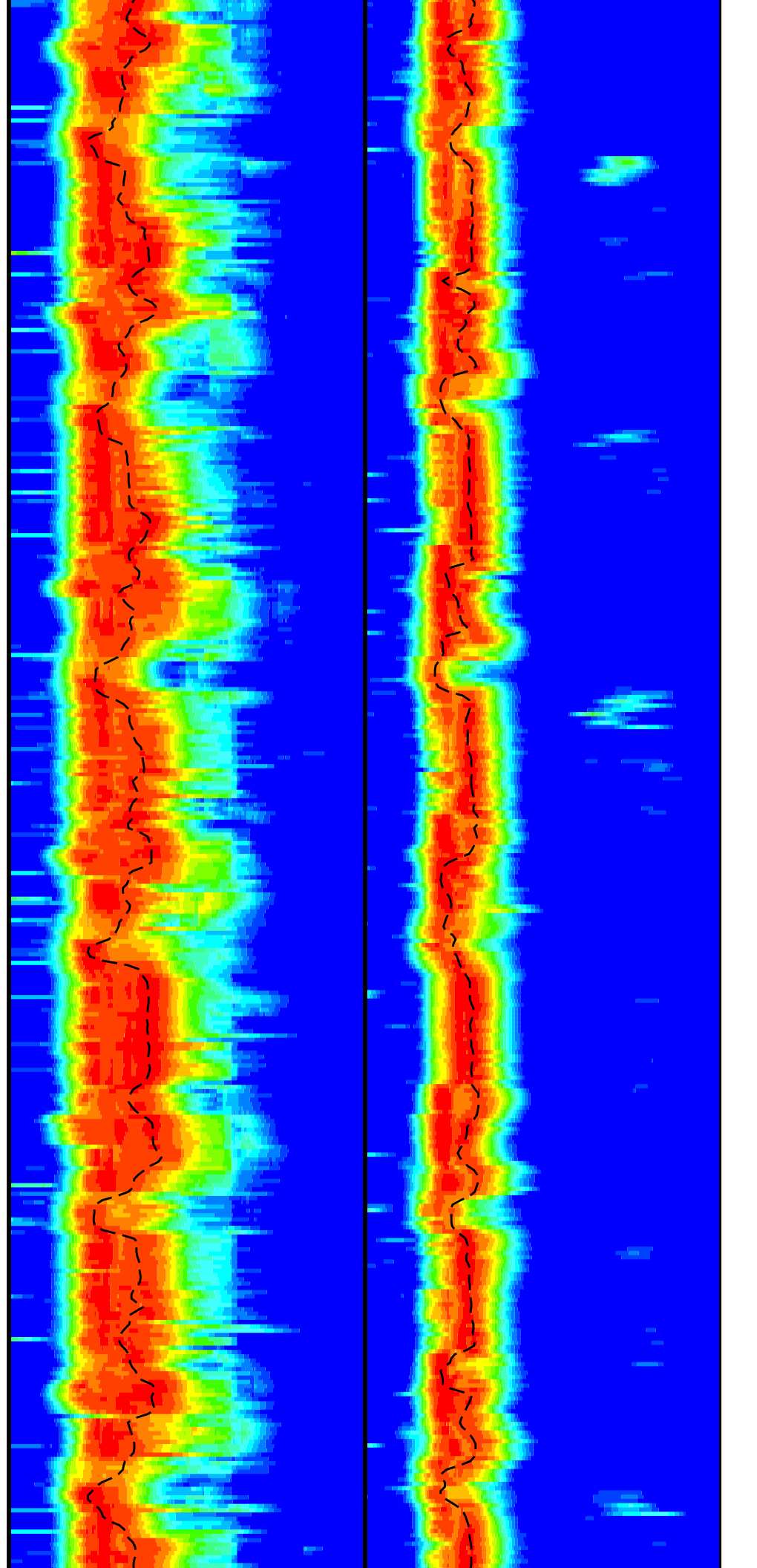
1975

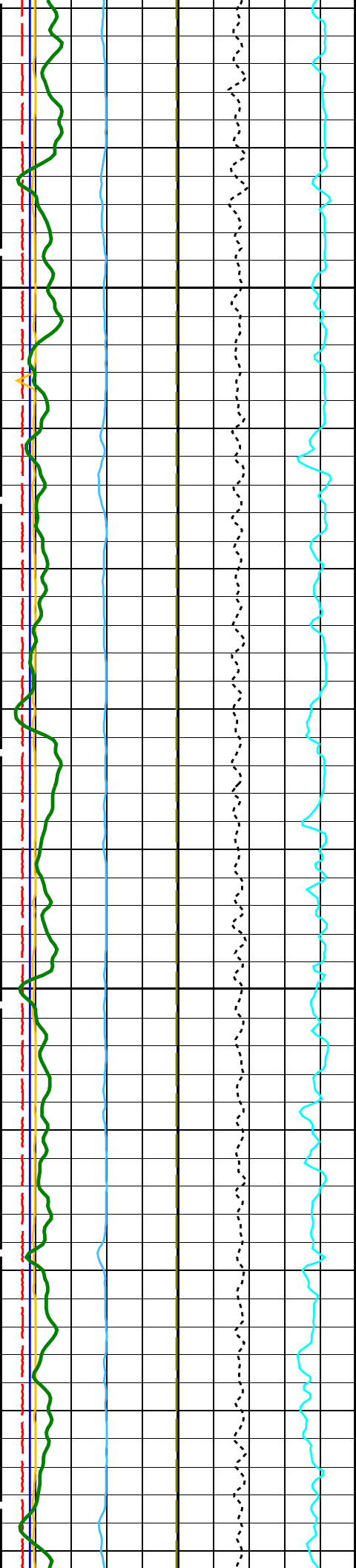




2000

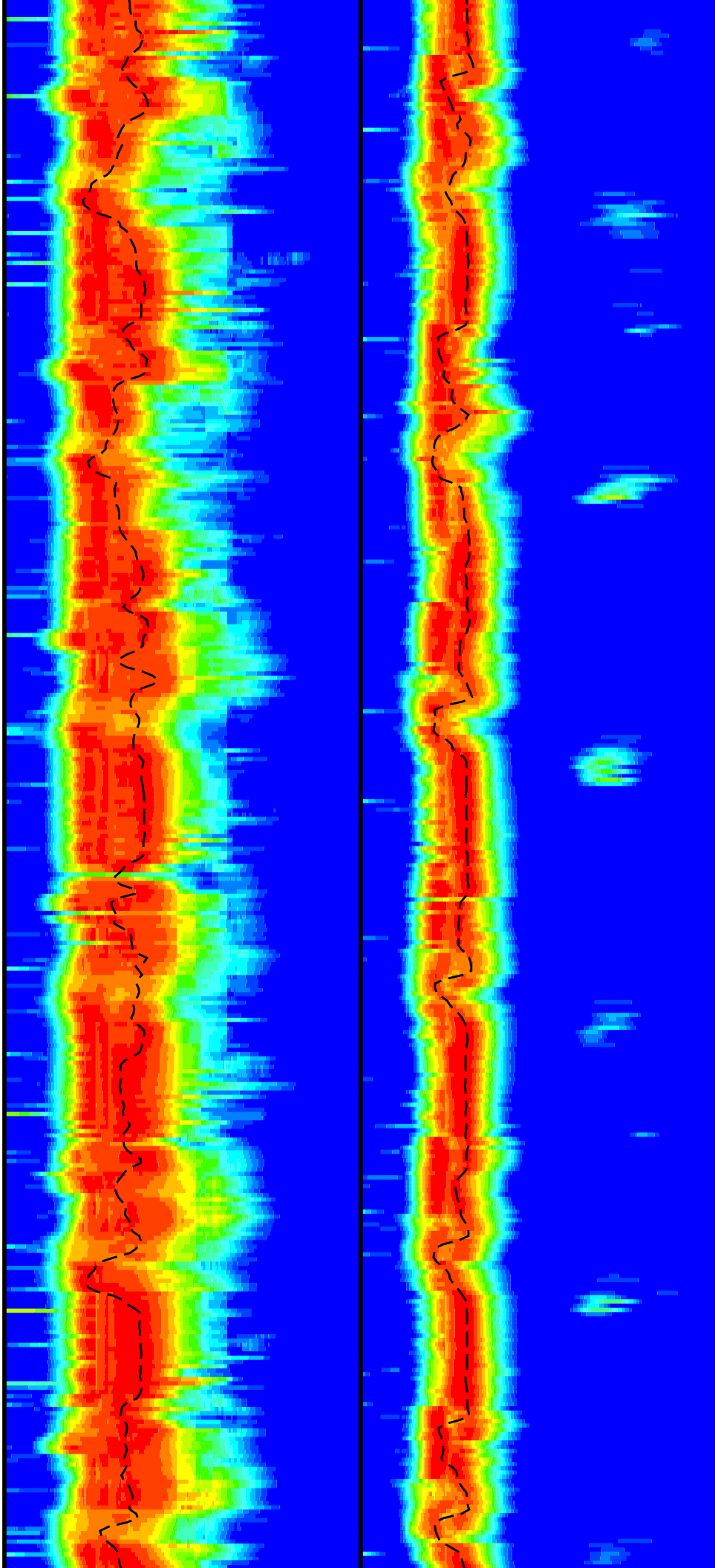
2025

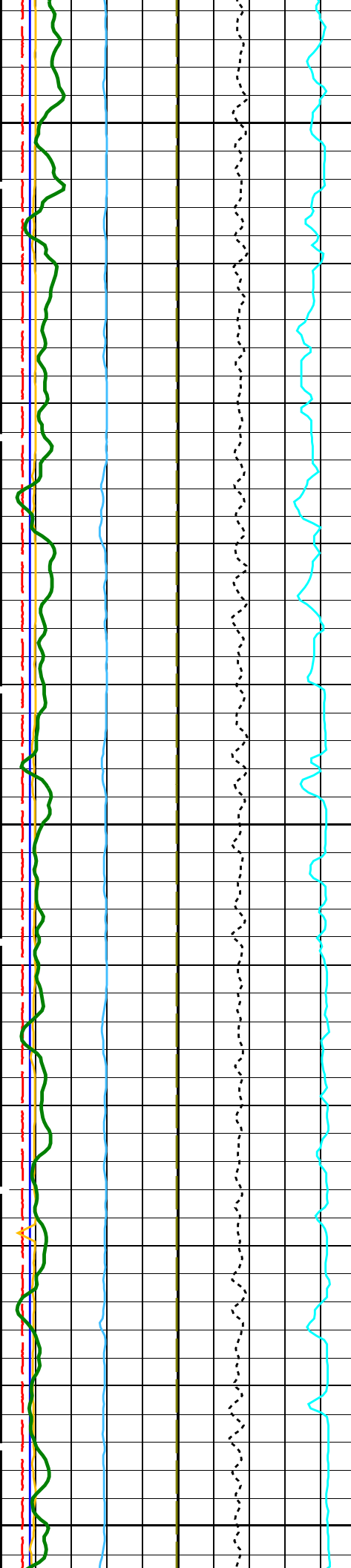




2050

2075

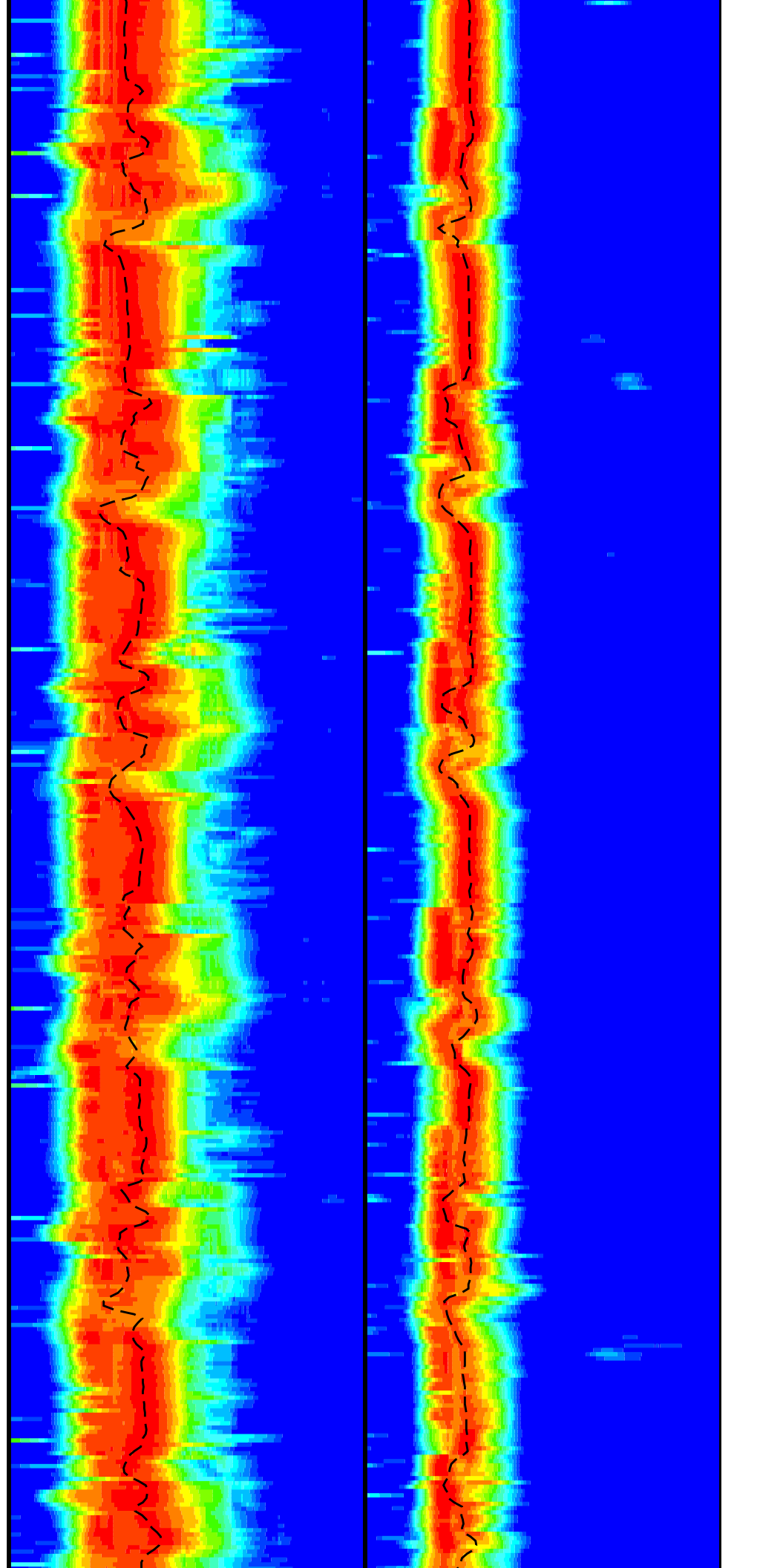


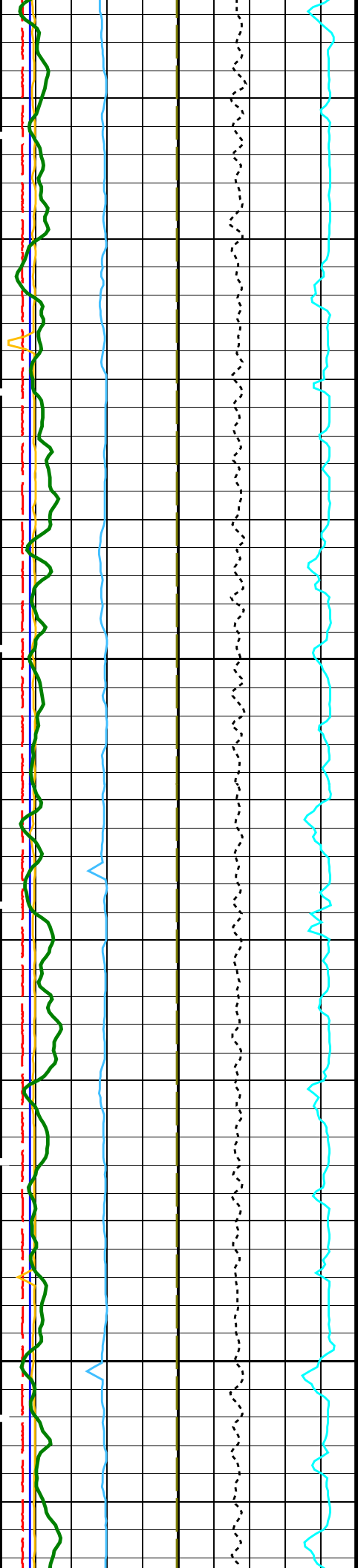


2100

2125

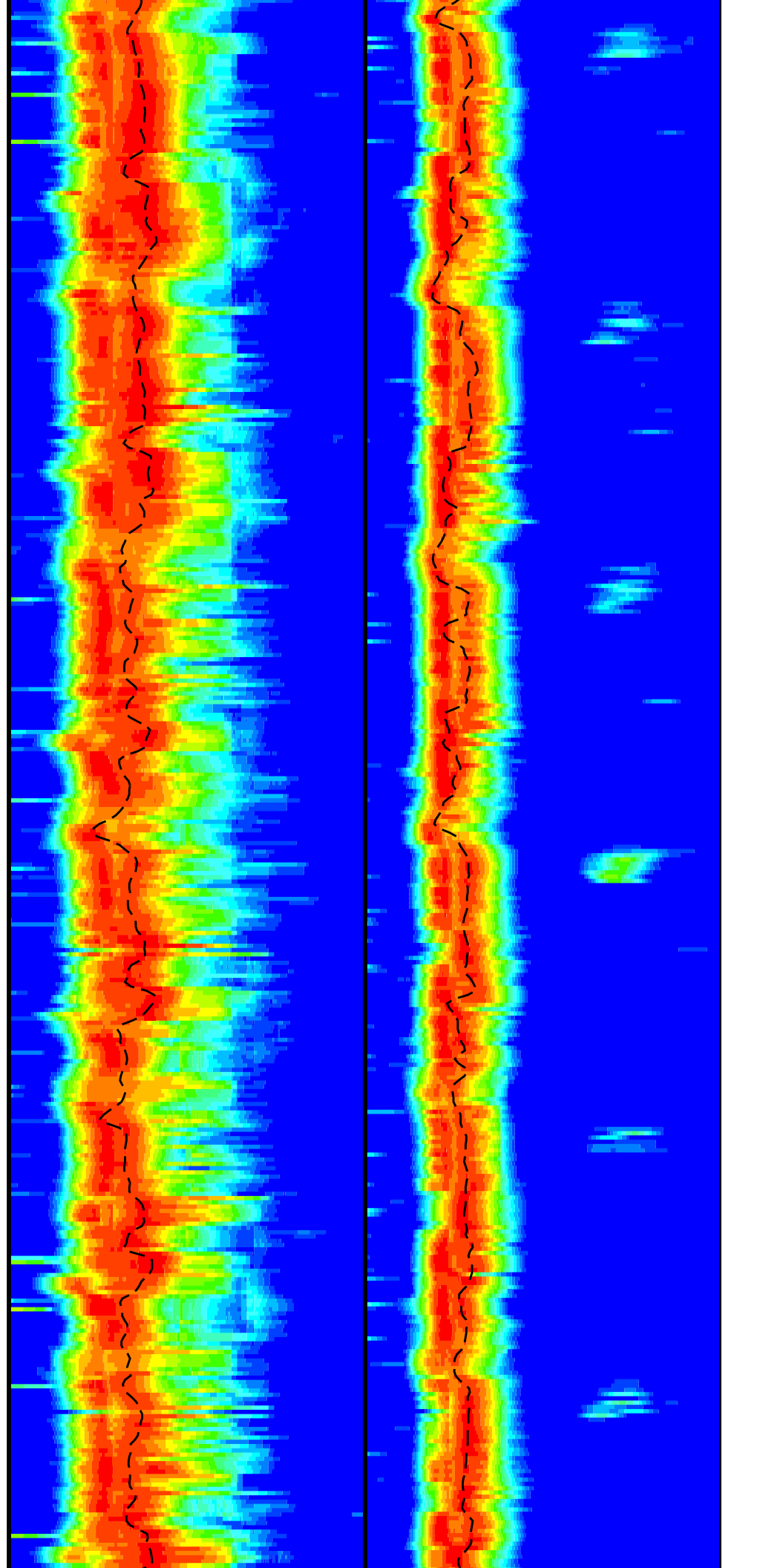
2150

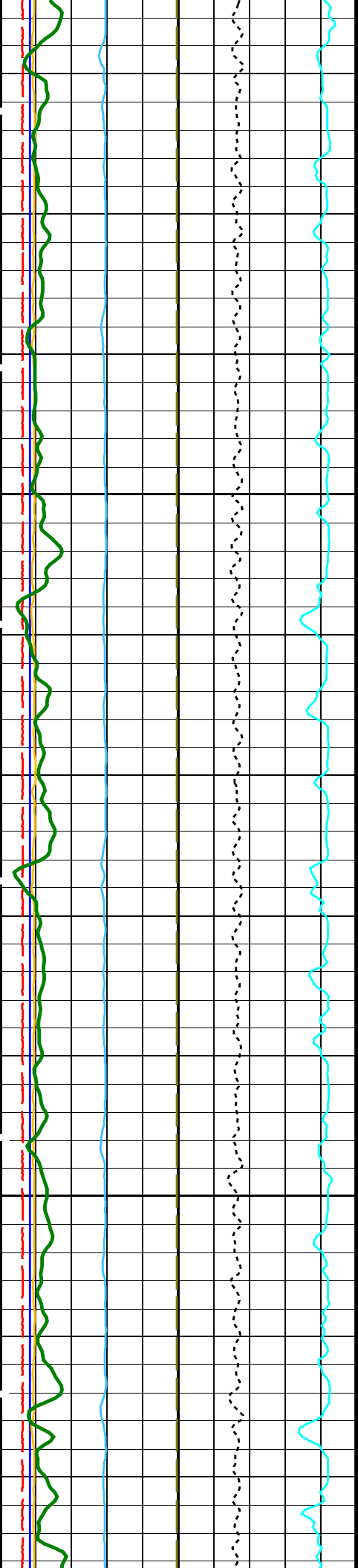




2175

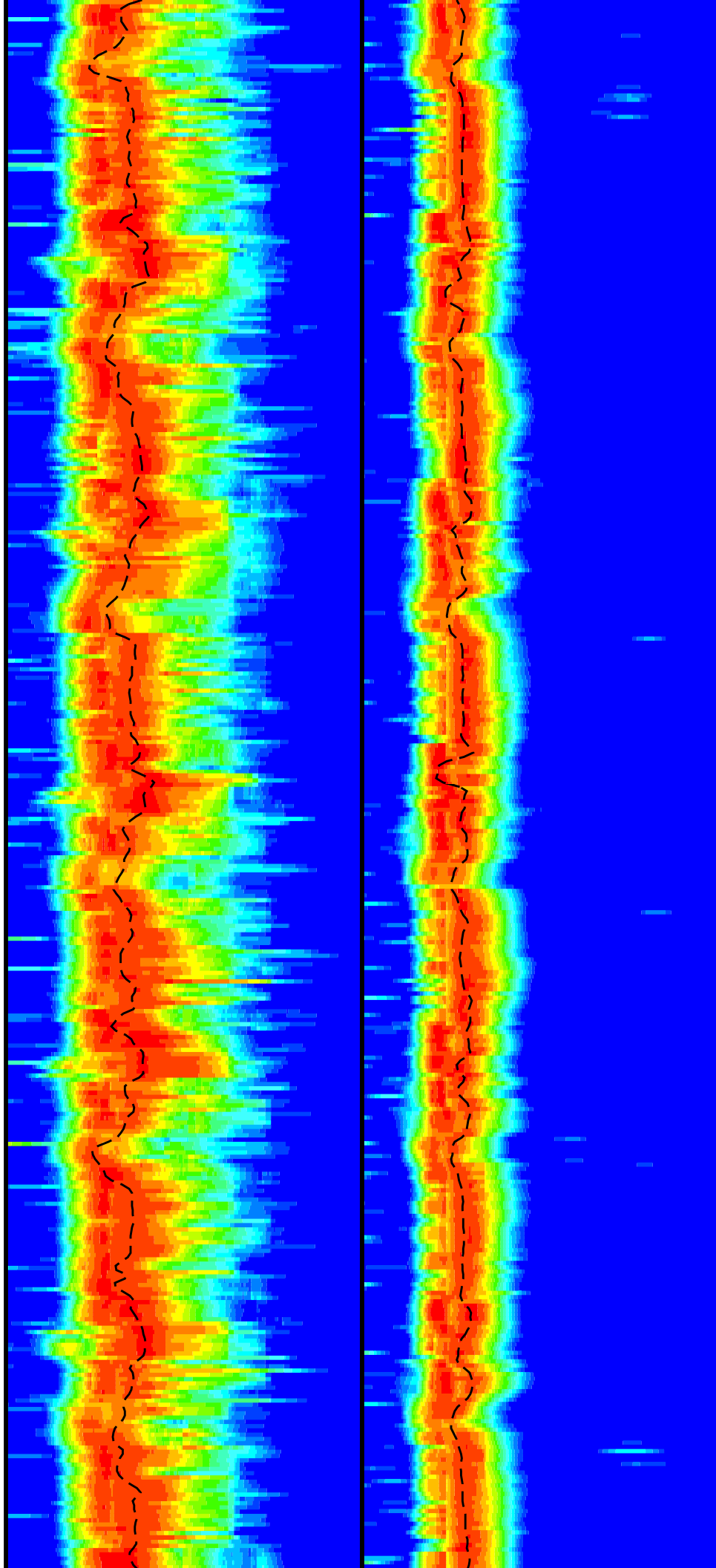
2200

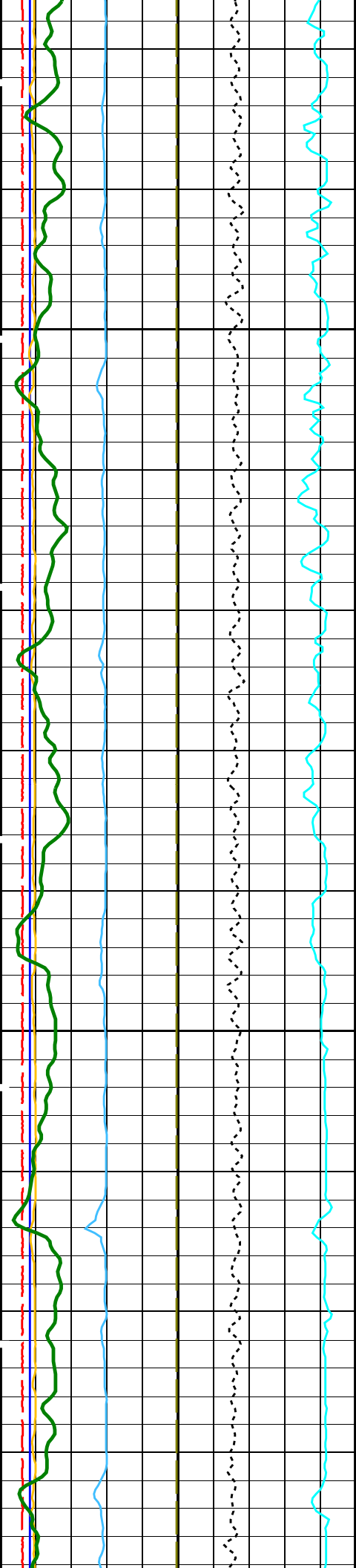




2225

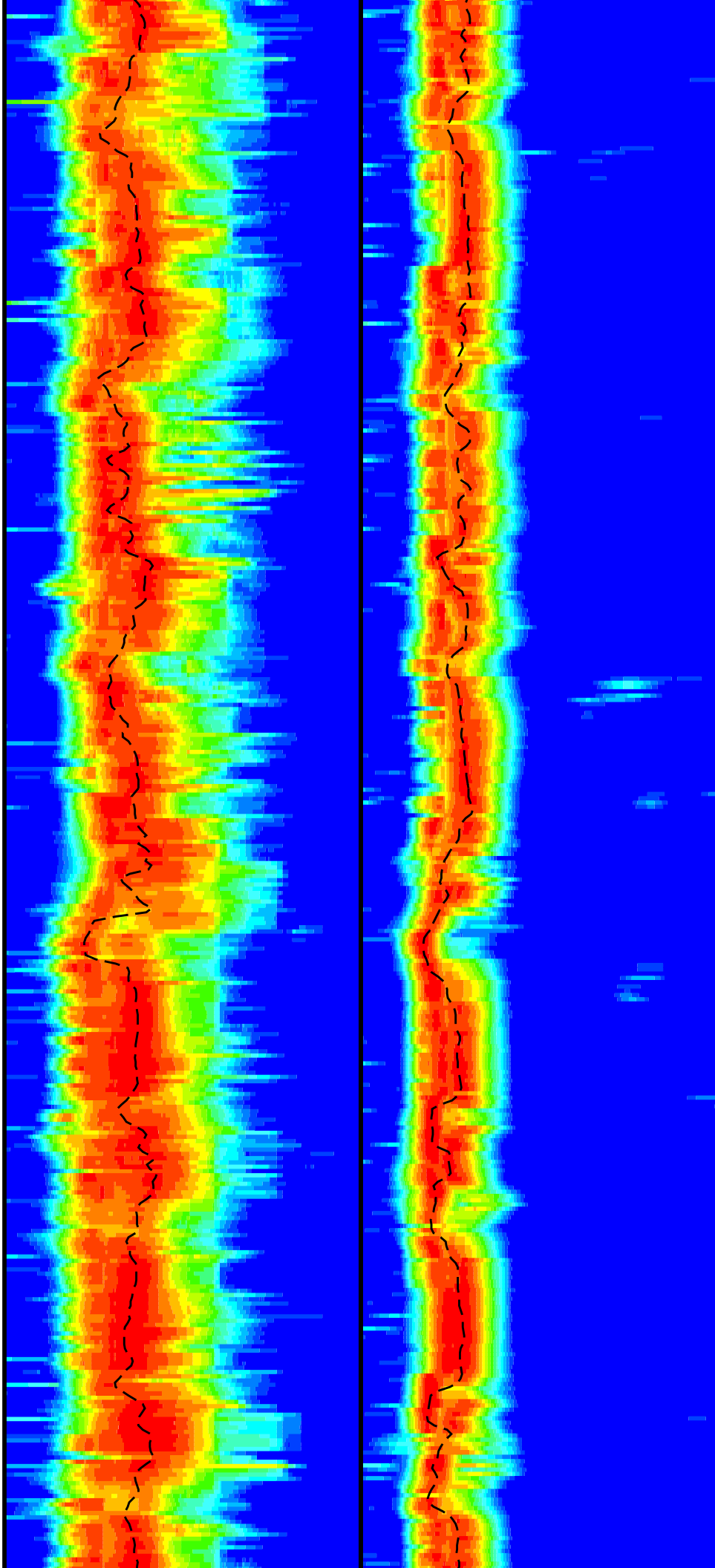
2250

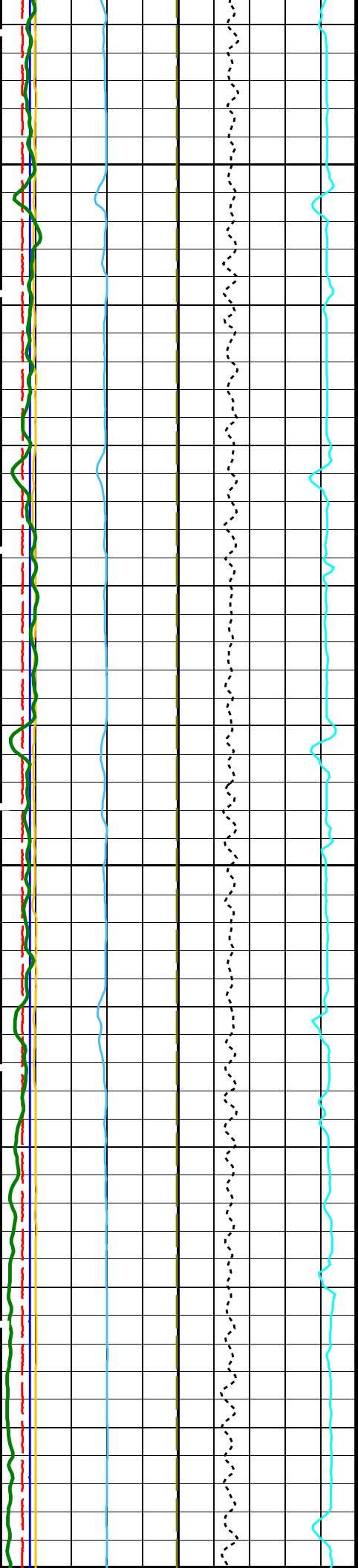




2275

2300

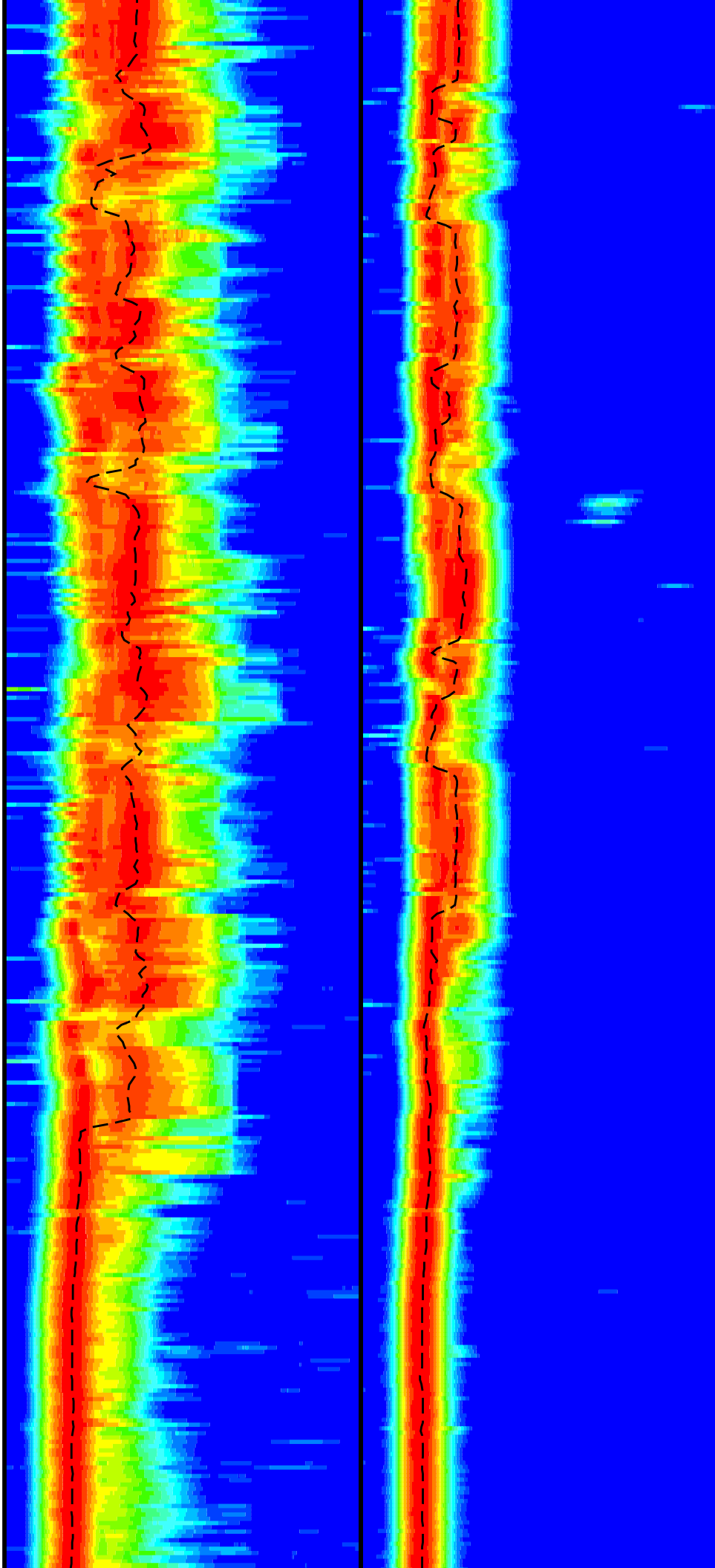


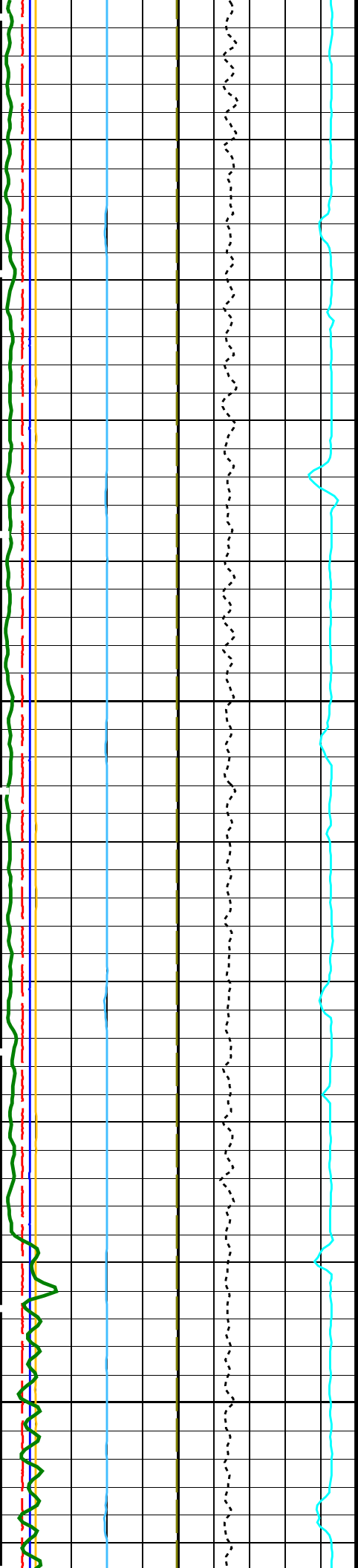


2325

2350

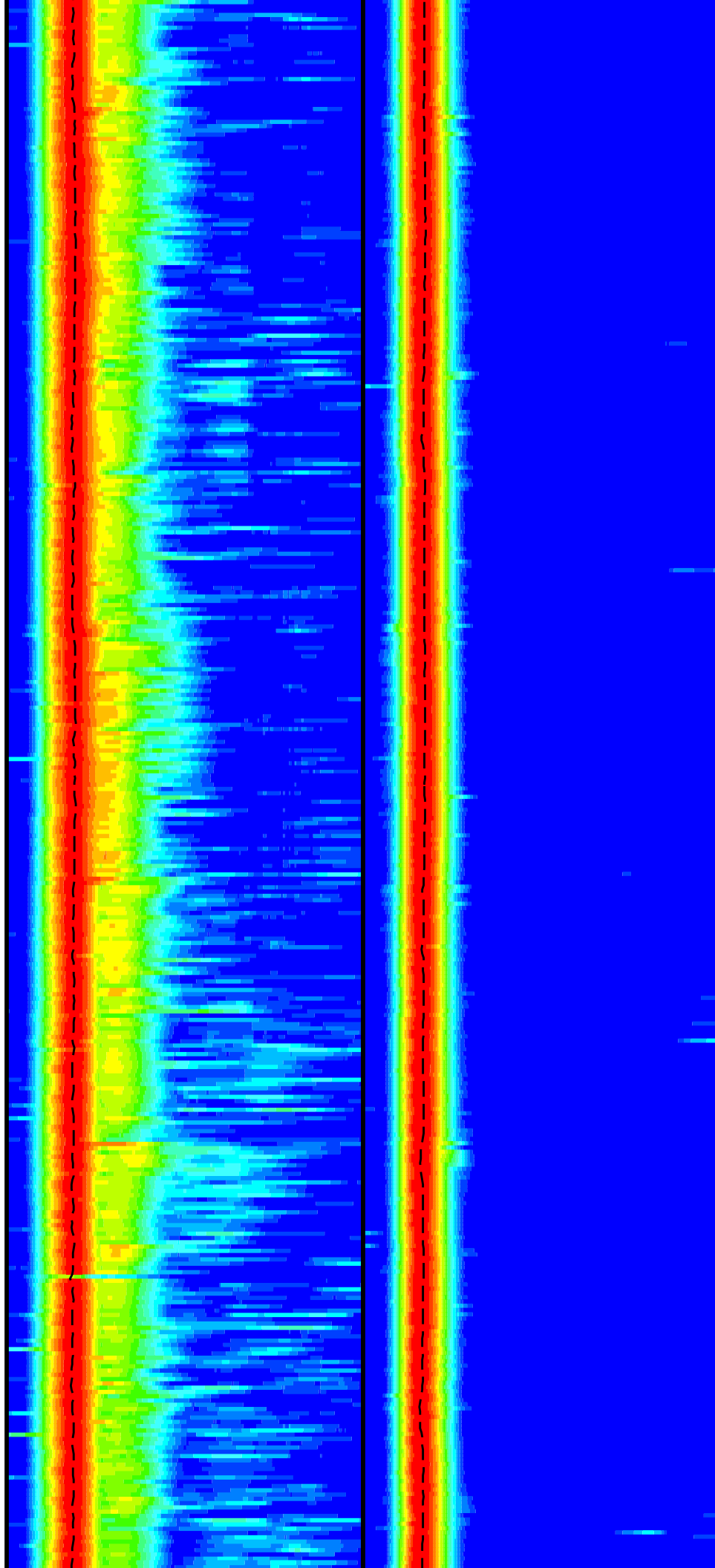
2375

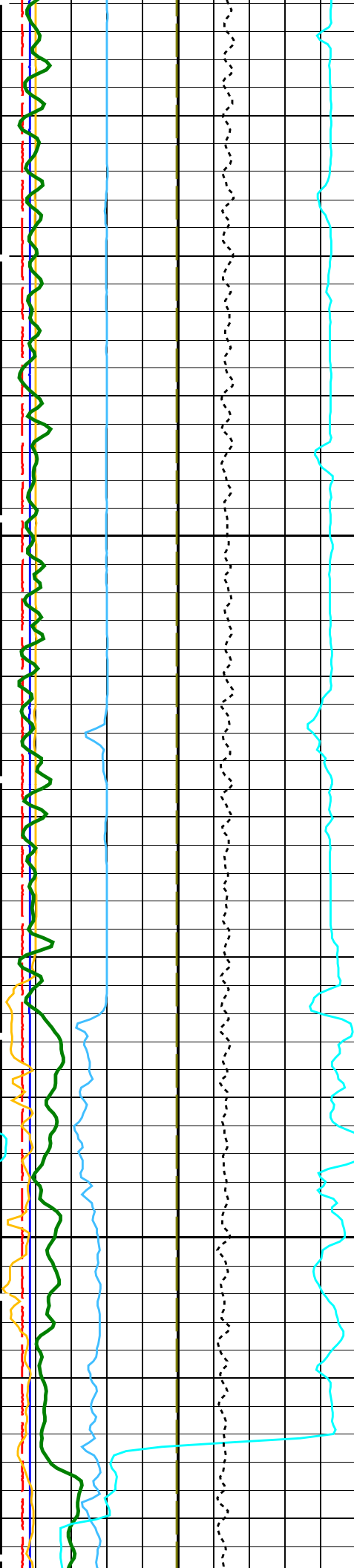




2400

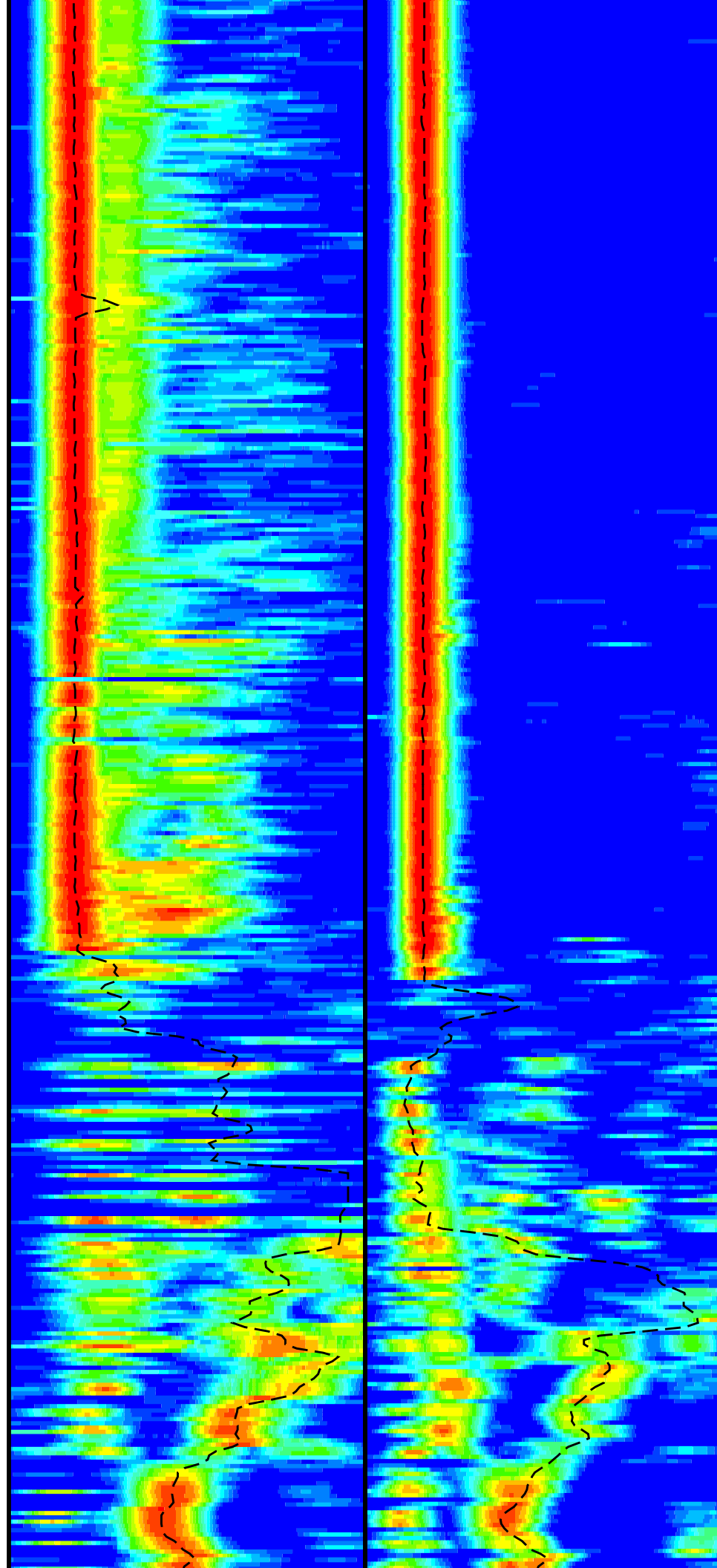
2425

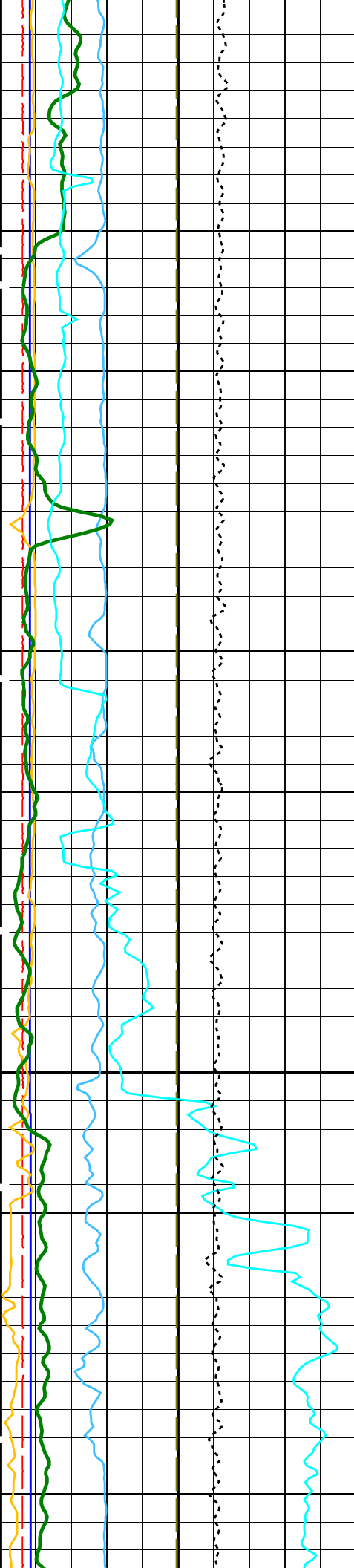




2450

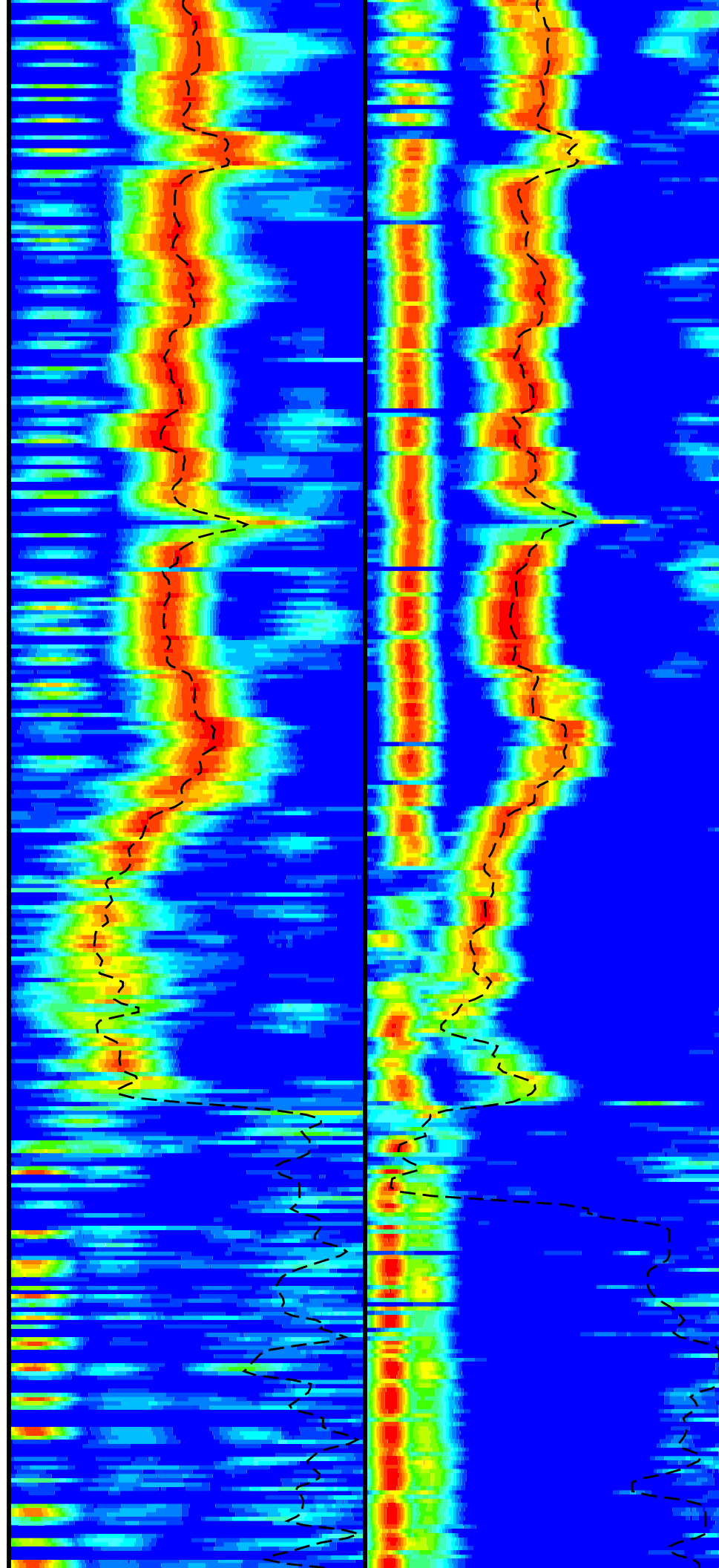
2475

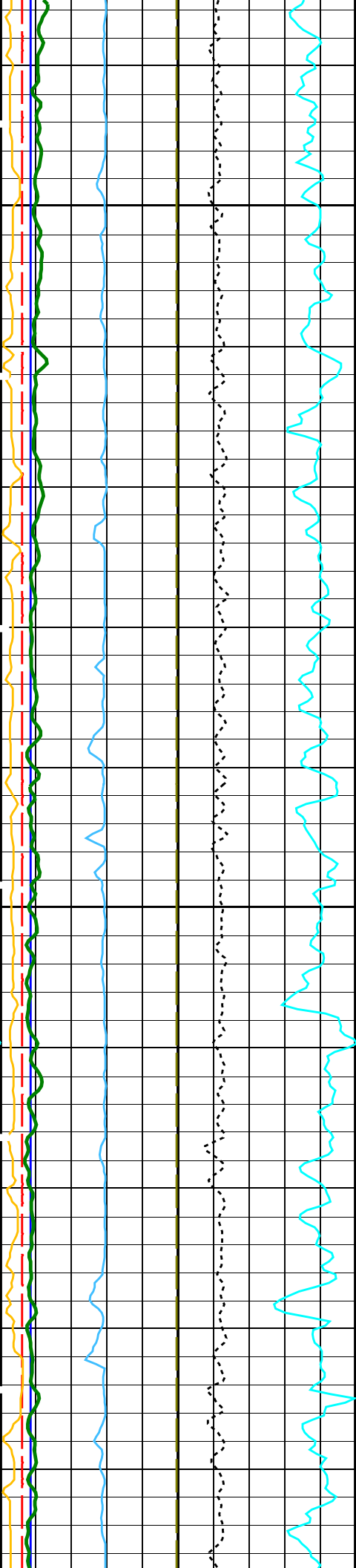




2500

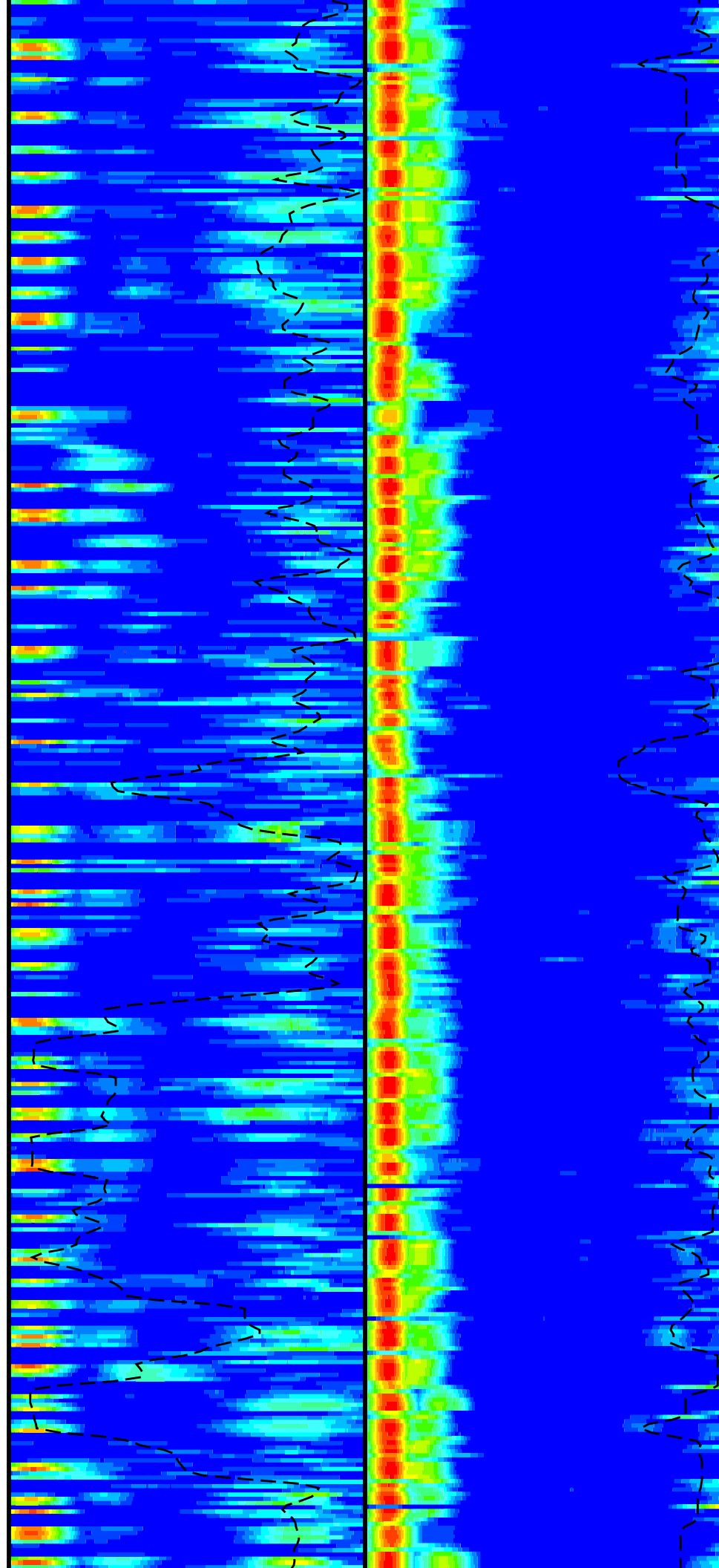
2525

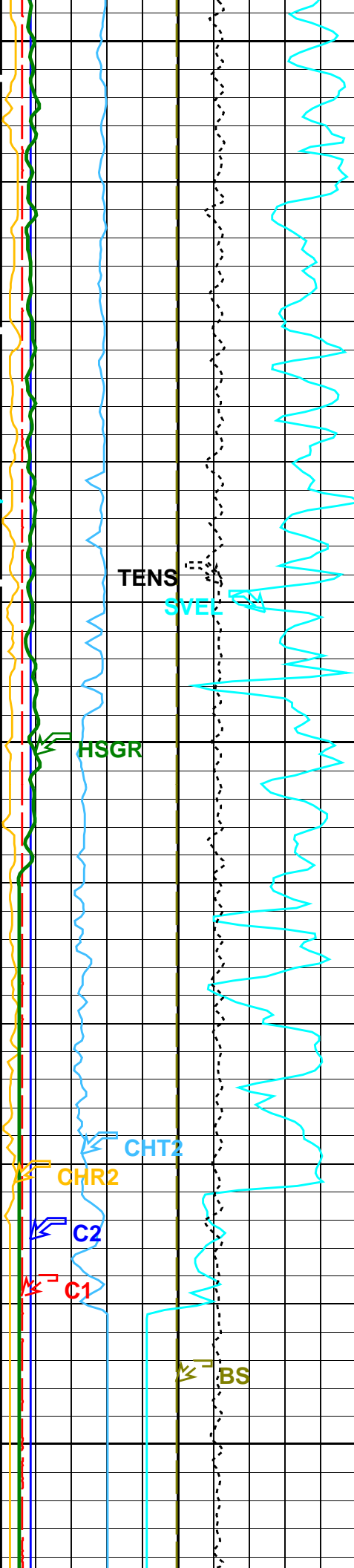




2550

2575

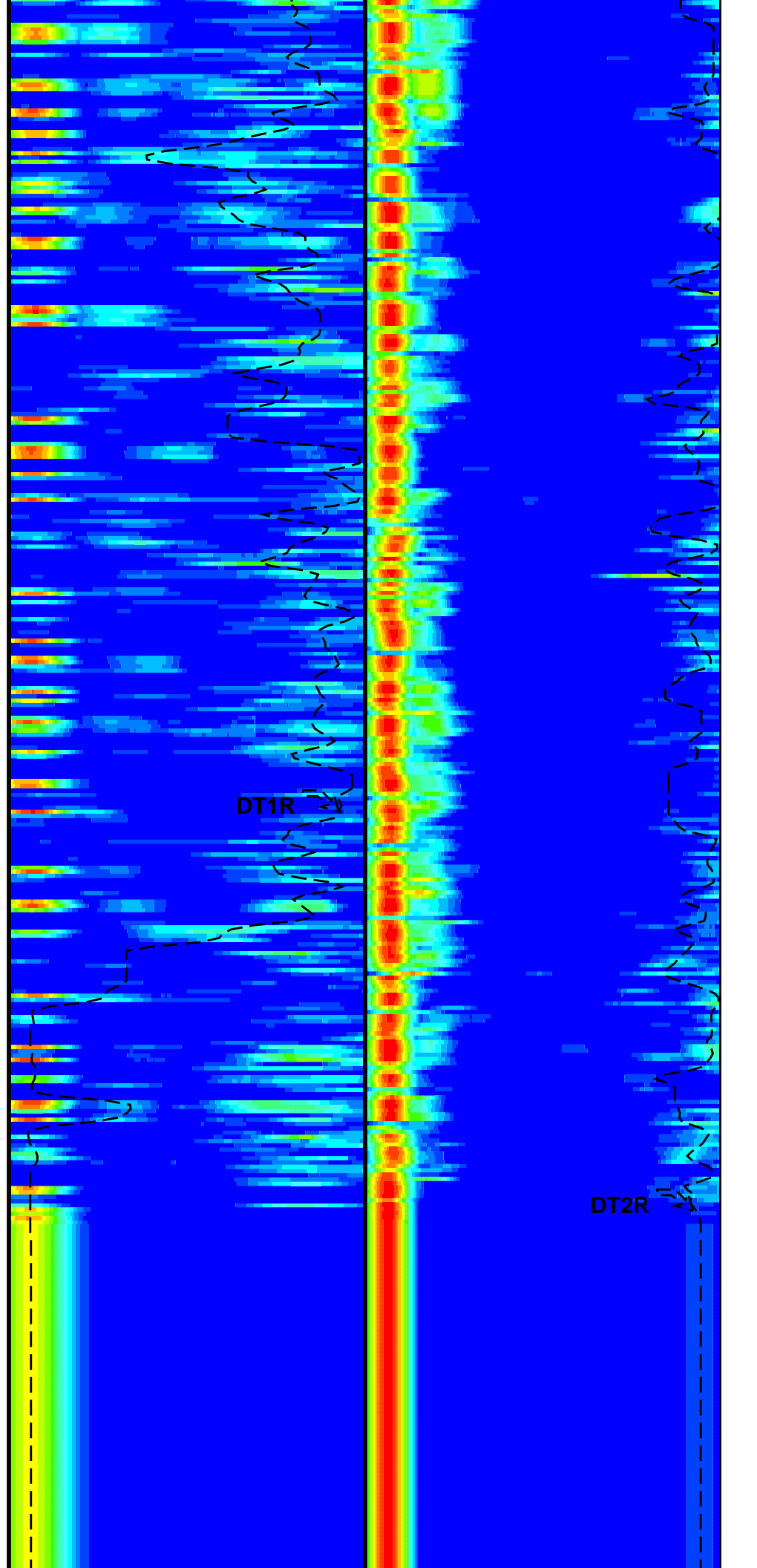




2600

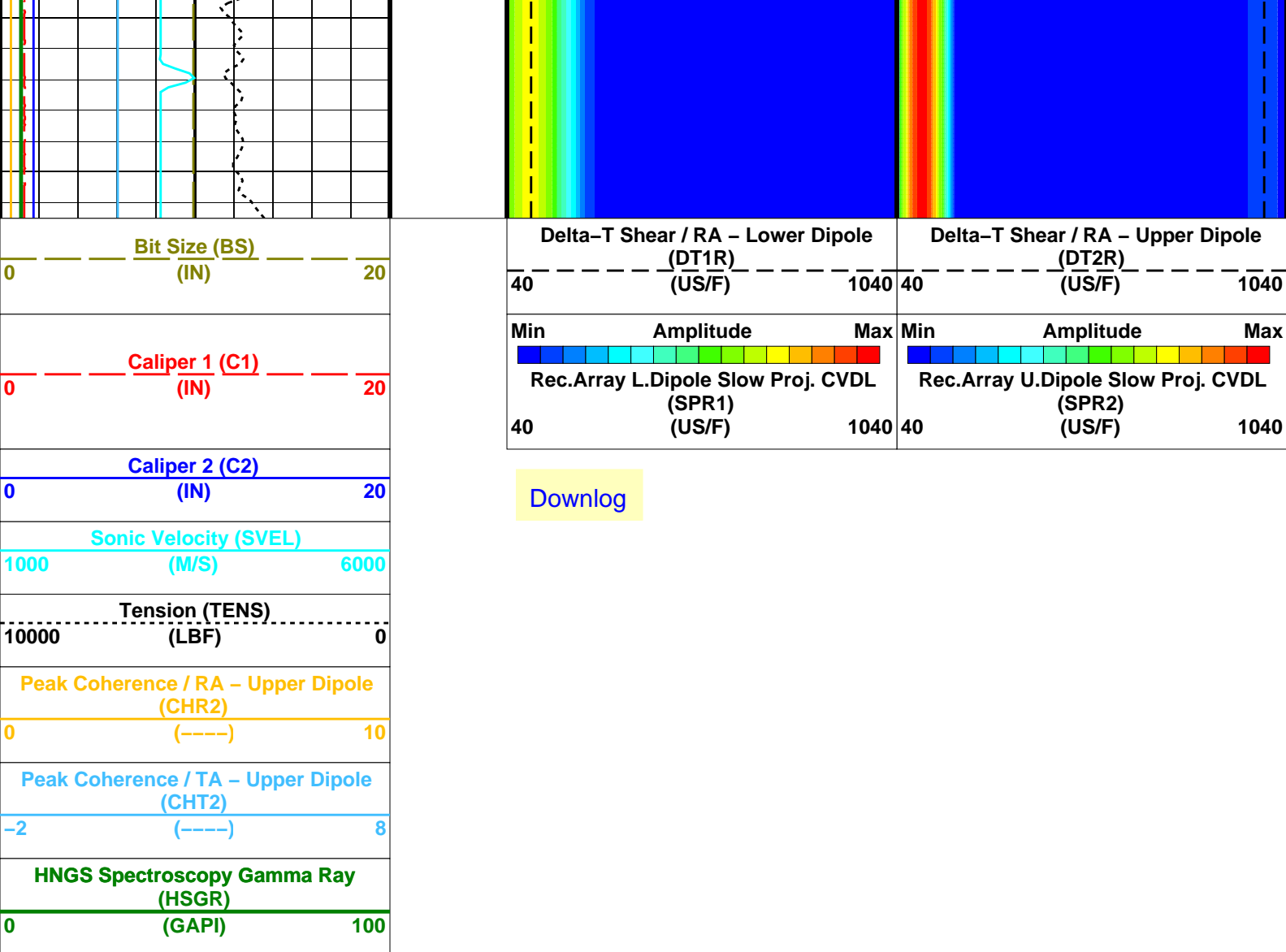
2625

2650



DT1R

DT2R



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	LED_EVEN	

SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	OFF	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	255	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS2	STC Sonic Array Status – Upper Dipole	3000	US
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	8000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	SELECTABLE	
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	B.3–1.5K	
SFM1	STC Filter – Lower Dipole	B1–2K	
SFM2	STC Filter – Upper Dipole	40	US/F
SLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SLL2	STC Slowness Lower Limit – Upper Dipole	4	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	WF_SAM1	
SSW1	STC Source Waveform – Lower Dipole	WF_SAM2	
SSW2	STC Source Waveform – Upper Dipole	1040	US/F
SUL1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	40	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	0	US
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	600	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	200	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	18960	US
TUL1	STC Time Upper Limit – Lower Dipole	18440	US
TUL2	STC Time Upper Limit – Upper Dipole	2000	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWD2	STC Time Width – Upper Dipole	1600	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	0	
TXSX	Transmitter Waveform Select X	162	IN
UTXG	Upper Dipole Transmitter Geometry		
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	BS	
H1P	HNGBS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGBS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGBS Borehole Potassium Running Average	–0.0026764	
HALF	HNGBS Alpha Filter Length	60	IN
HCRB	HNGBS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
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	0.958559	
VBA2	HNGBS Detector 2 Variable Barite Factor Running Average	1.01896	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	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: 09–Jul–2021 03:14

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

DEFAULT Flip_FMS_DSI_NGS_025LUP PRODUCER 09–Jul–2021 03:00 2661.5 M 1817.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:45	PRODUCER	09-Jul-2021 03:14
BACKUP	FMS_DSI_NGS_029PUP	FN:46	PRODUCER	09-Jul-2021 03:14

Company: International Ocean Discovery Program	Well: Expedition 395C, Site U1554F
--	------------------------------------

Input DLIS Files					
DEFAULT	Flip_FMS_DSI_NGS_025LUP	PRODUCER	09-Jul-2021 03:00	2661.5 M	1817.4 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_029PUP	FN:45	PRODUCER	09-Jul-2021 03:14	2661.5 M
BACKUP	FMS_DSI_NGS_029PUP	FN:46	PRODUCER	09-Jul-2021 03:14	2661.5 M

OP System Version: 19C0-187					
MEST-B	19C0-187	DTA-A	19C0-187		
DSST-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	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	

Download

Min

Amplitude

Max

Rec.Array P&S Slow Proj. CVDL (SPR4)

(US/F)

40

240

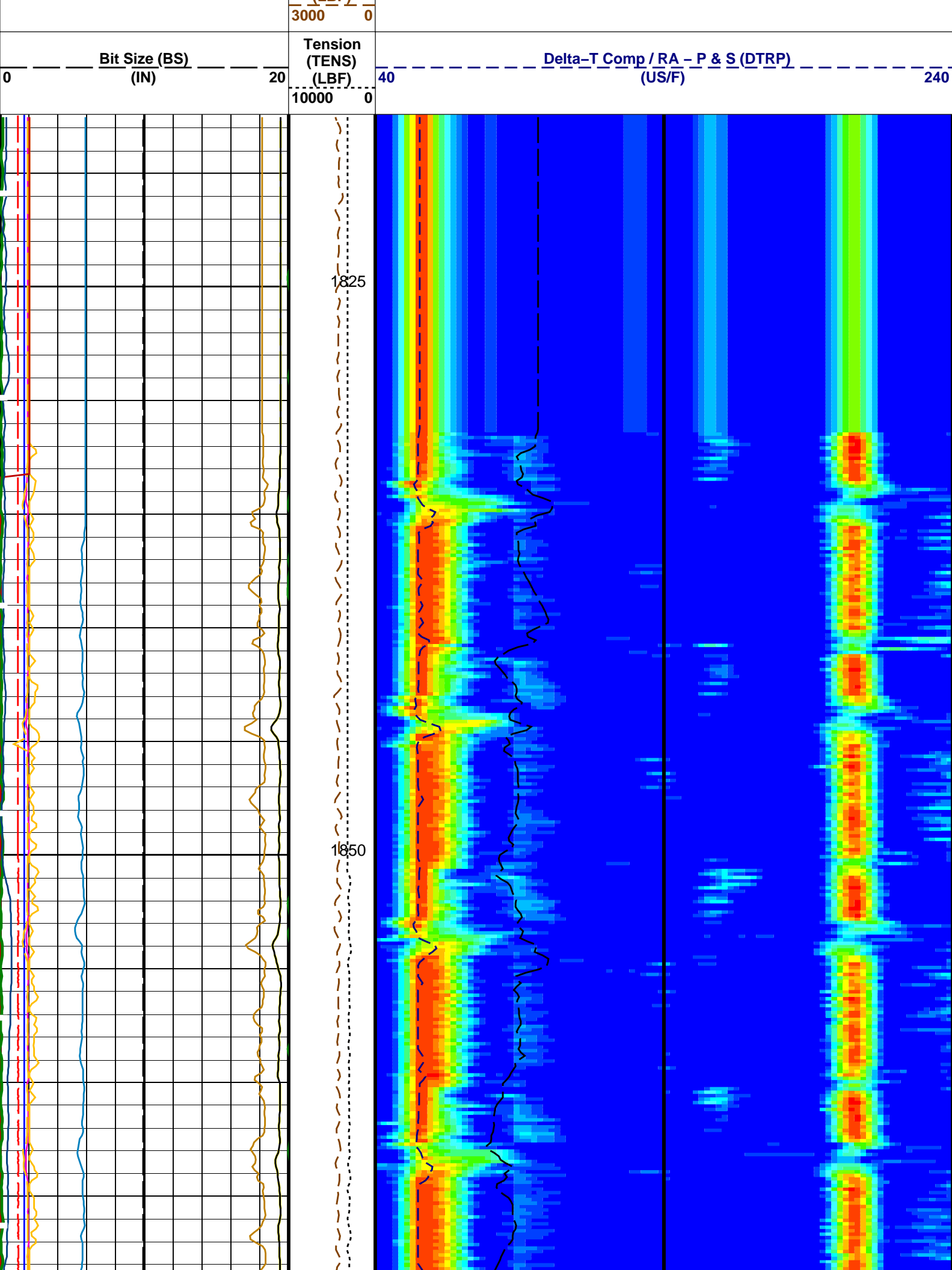
Calibrated Downhole Force (CDF) (LBF)

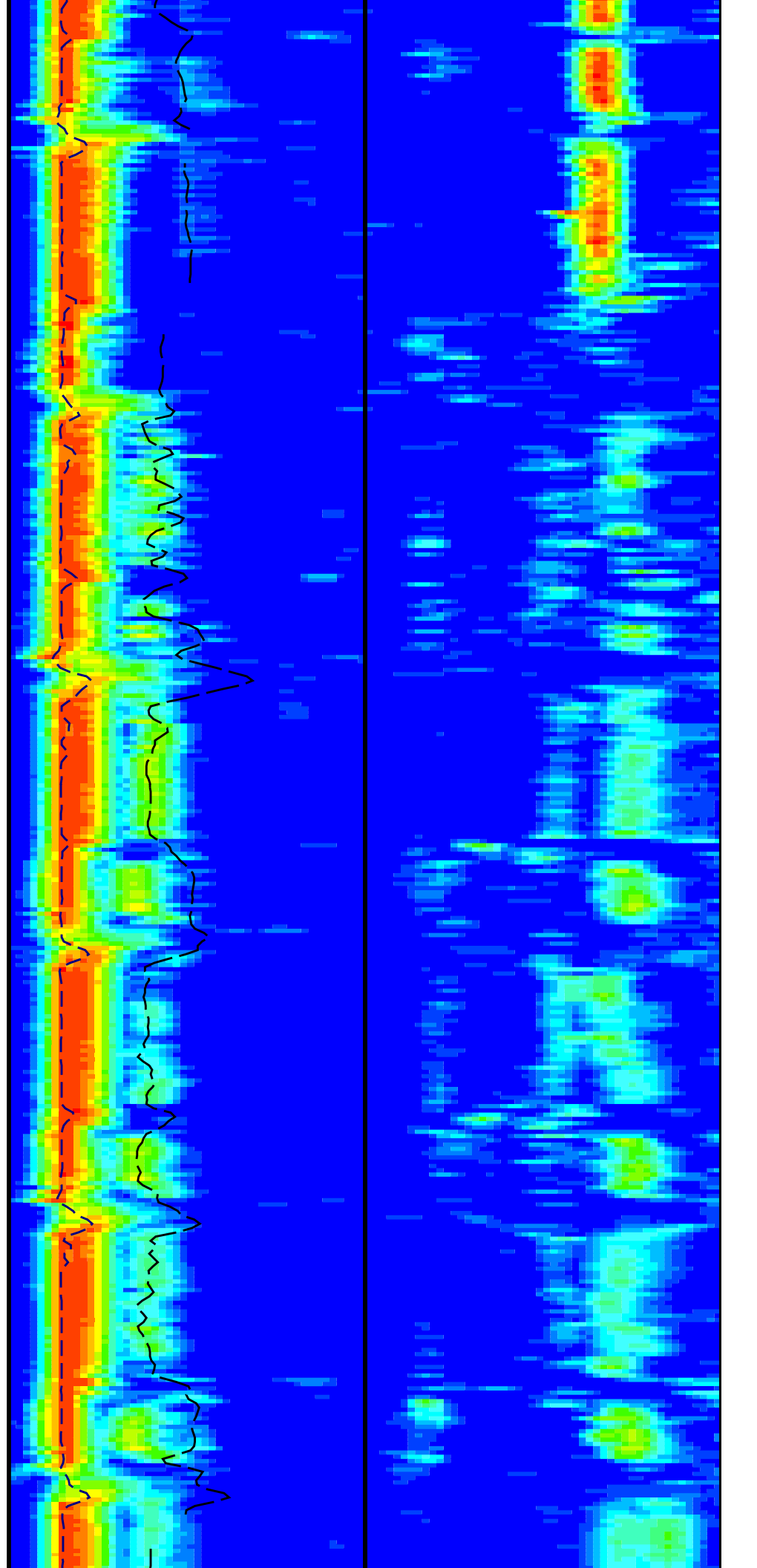
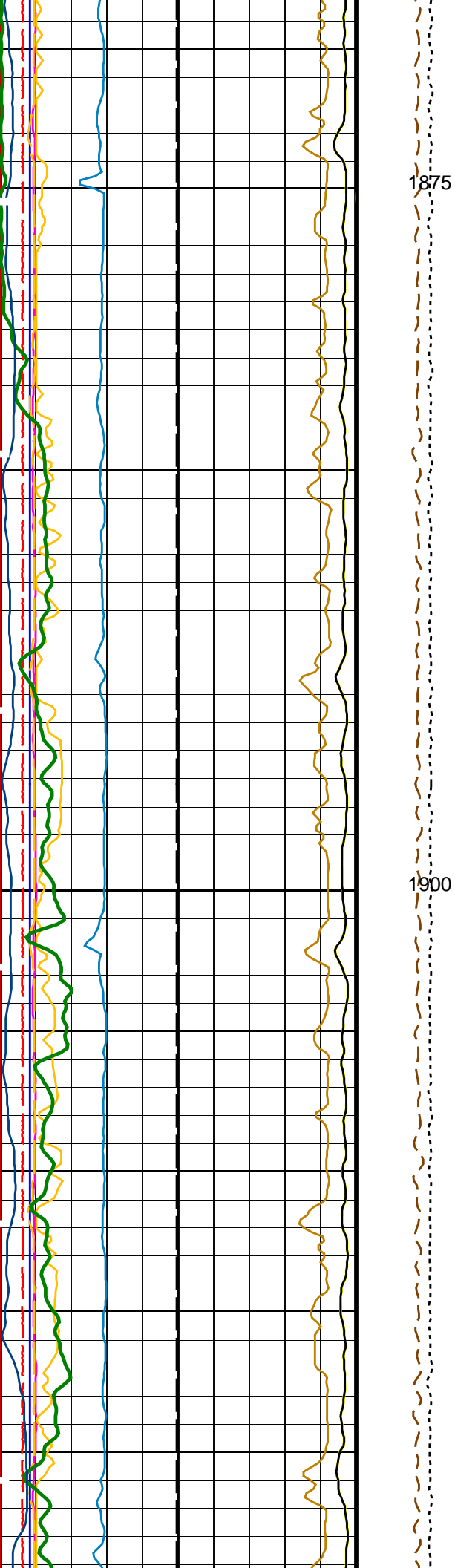
Delta-T Shear / RA – P & S (DTRS)

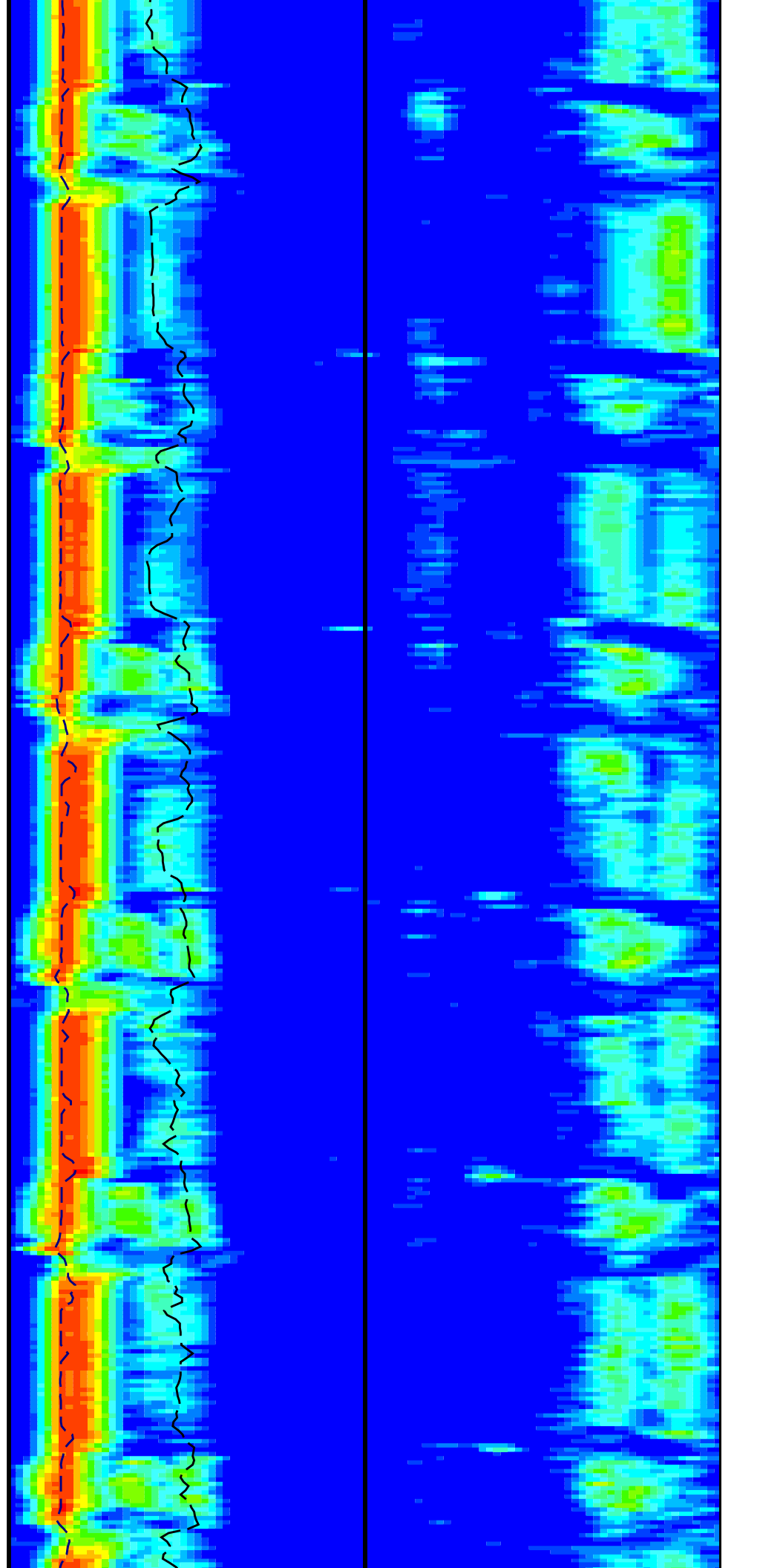
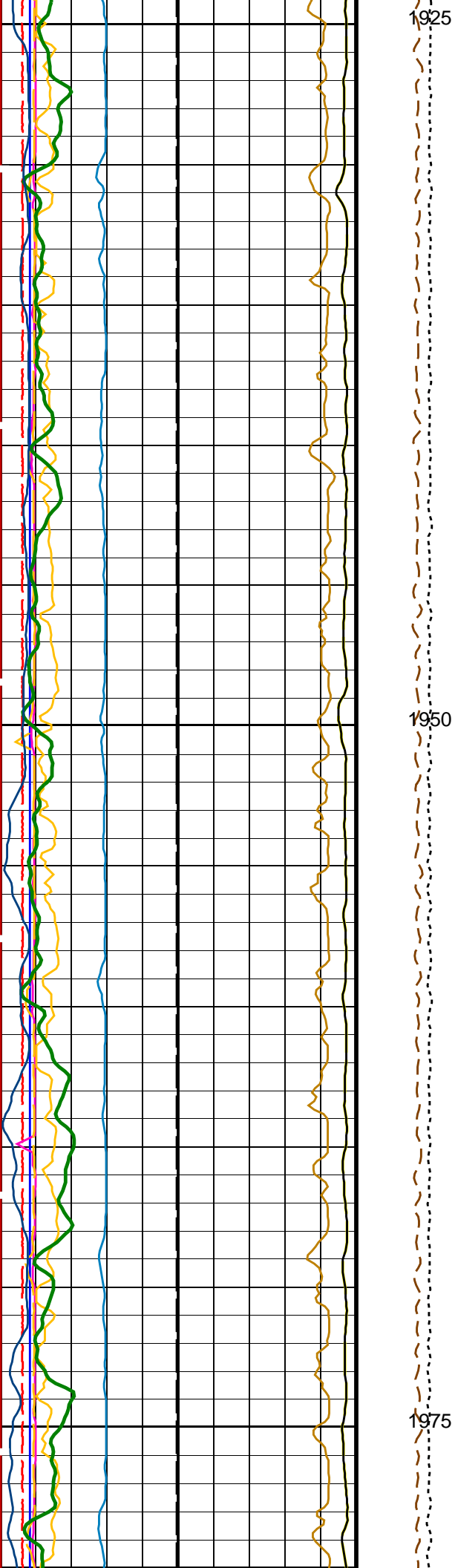
(US/F)

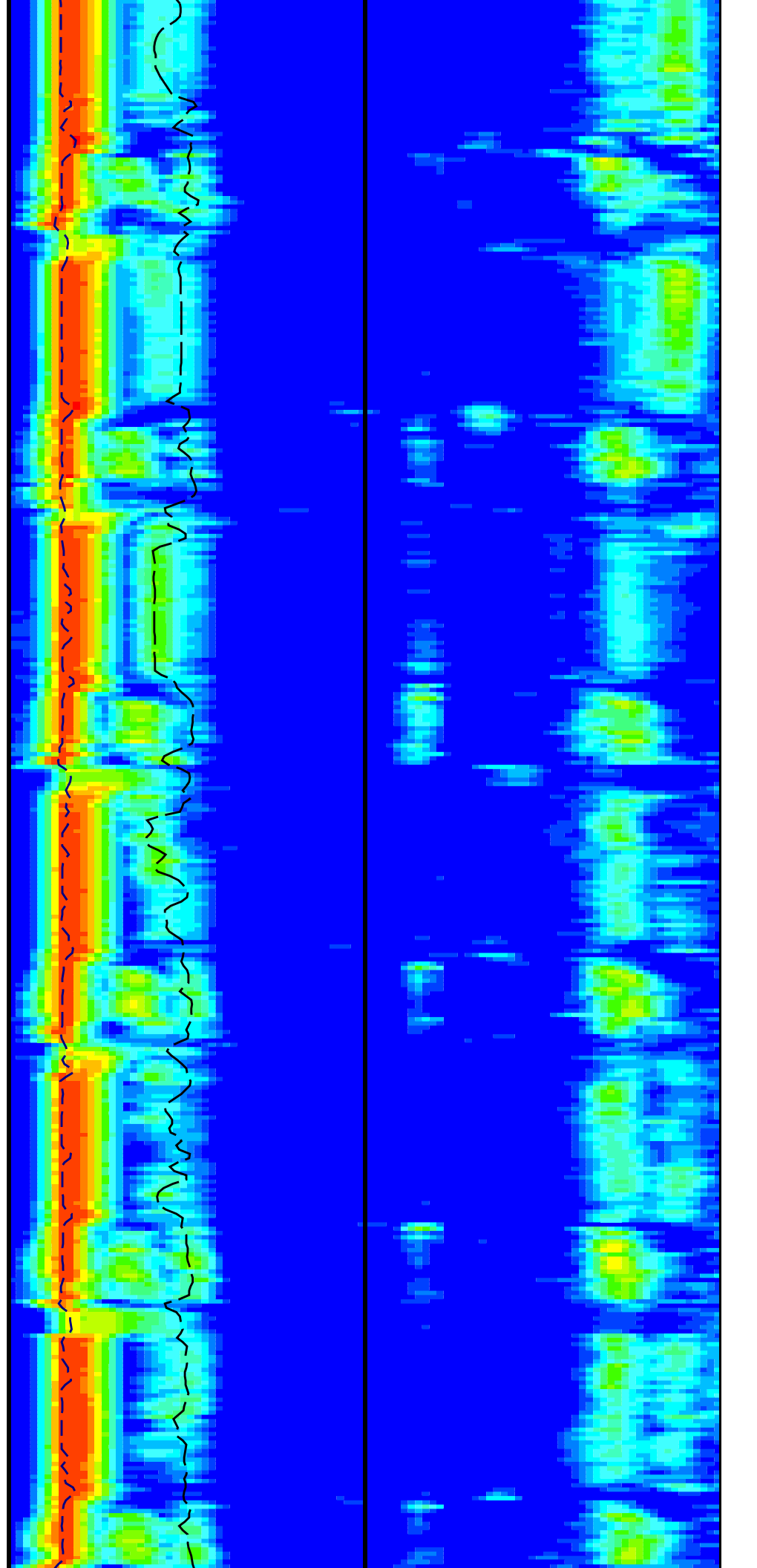
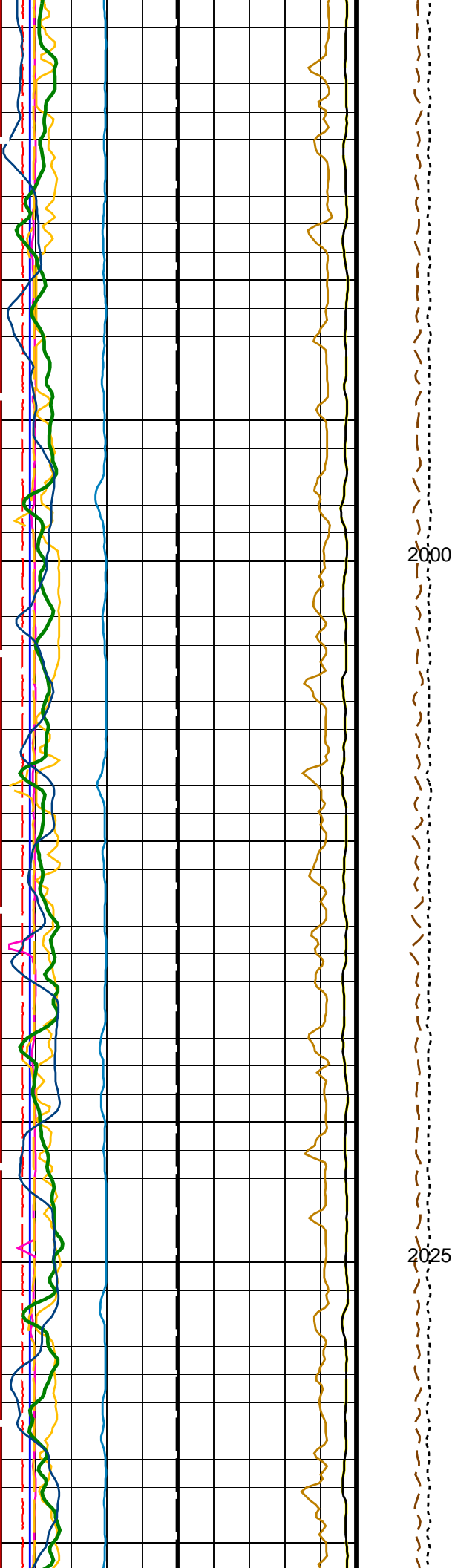
40

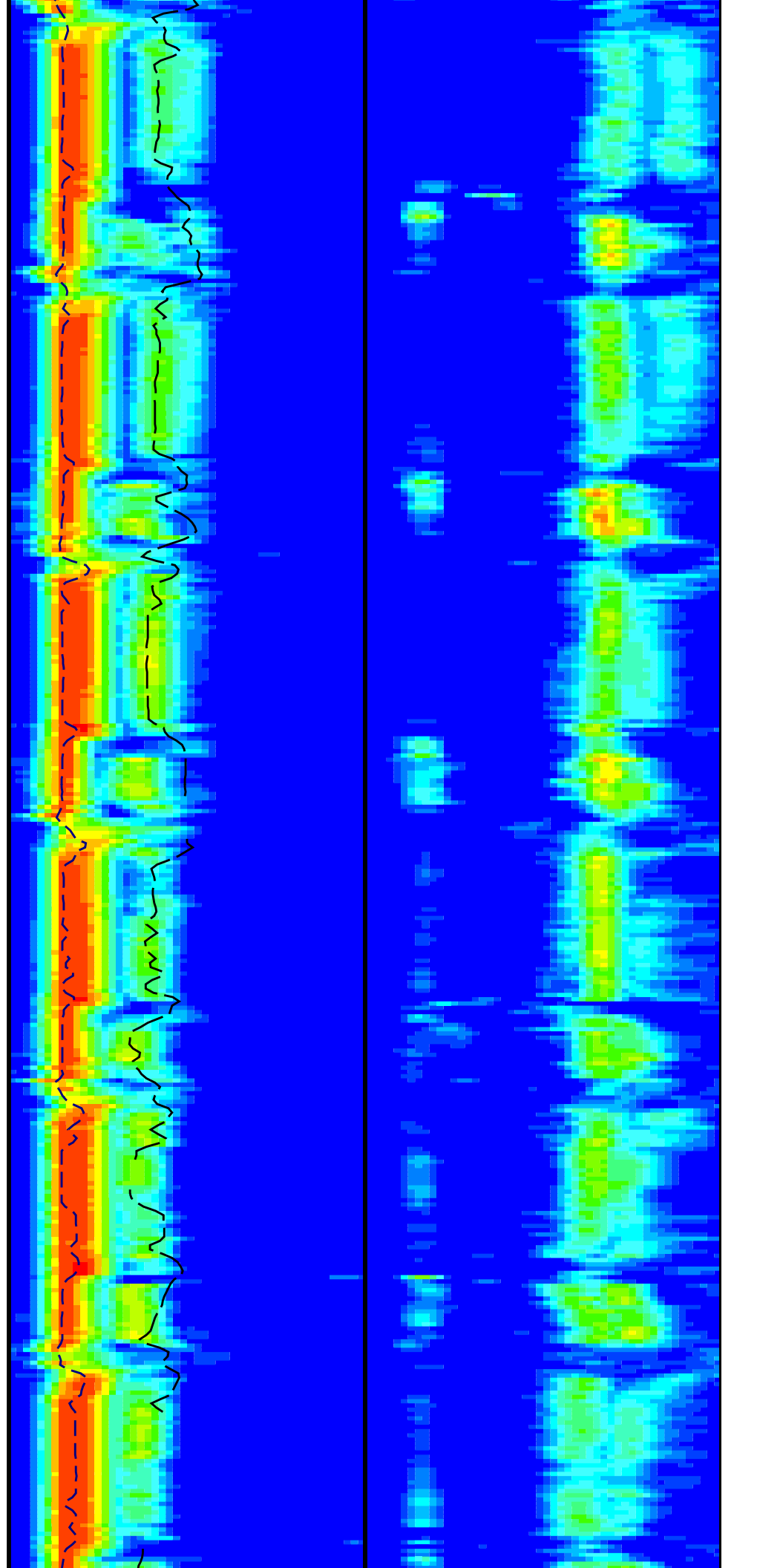
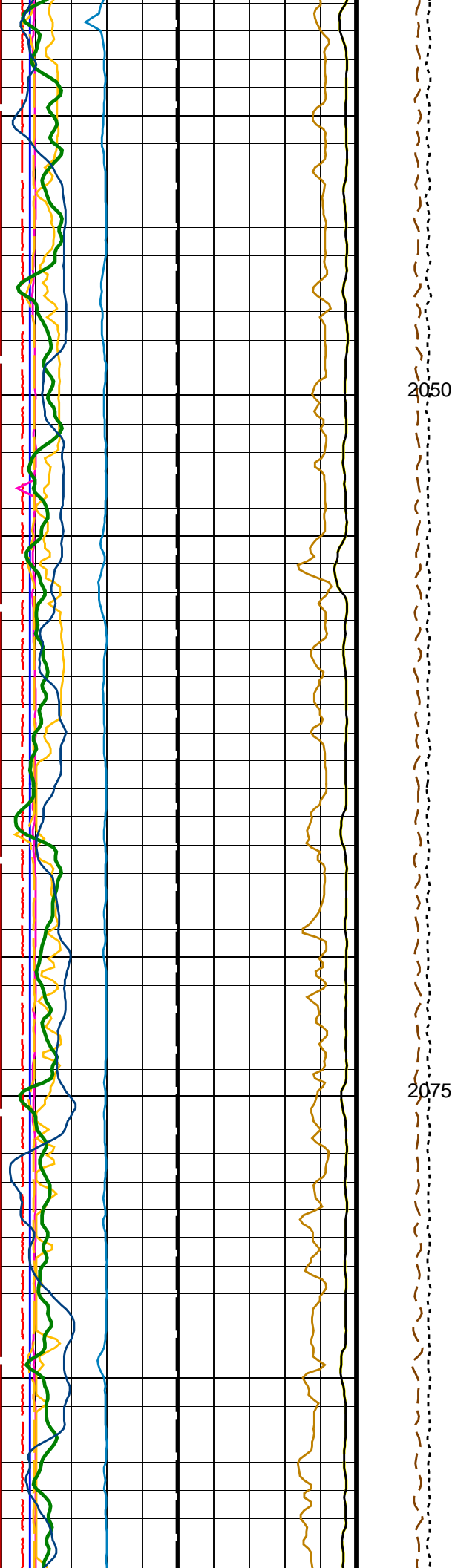
240

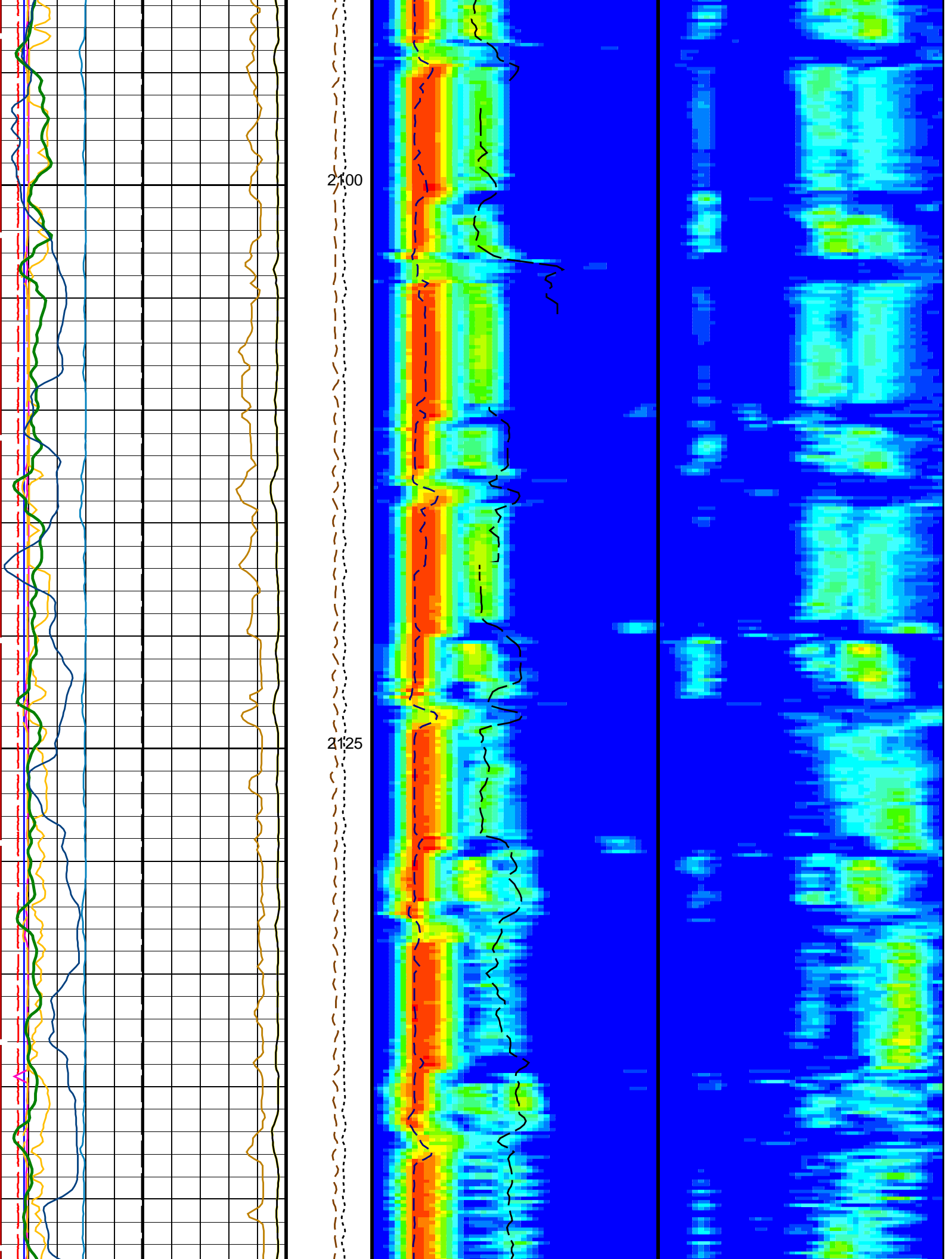


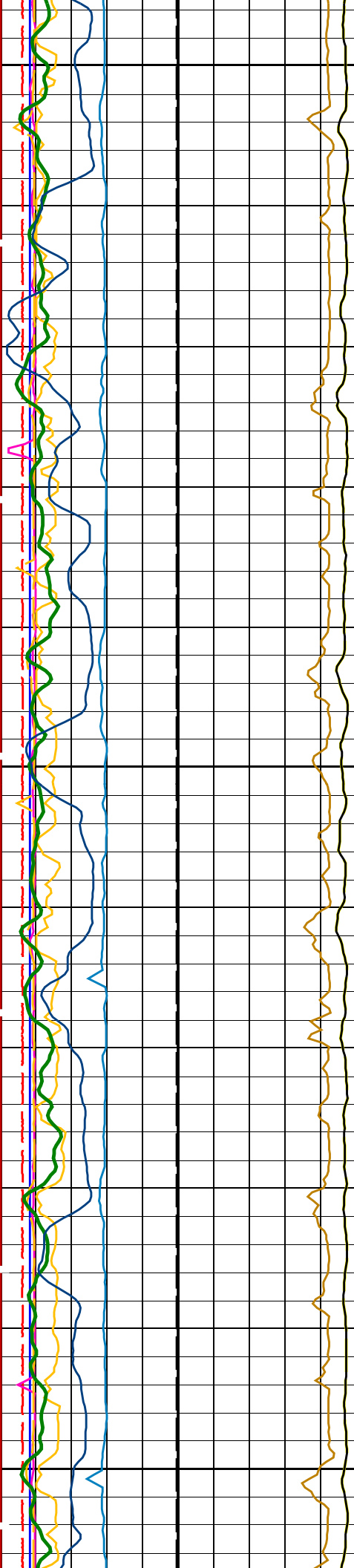








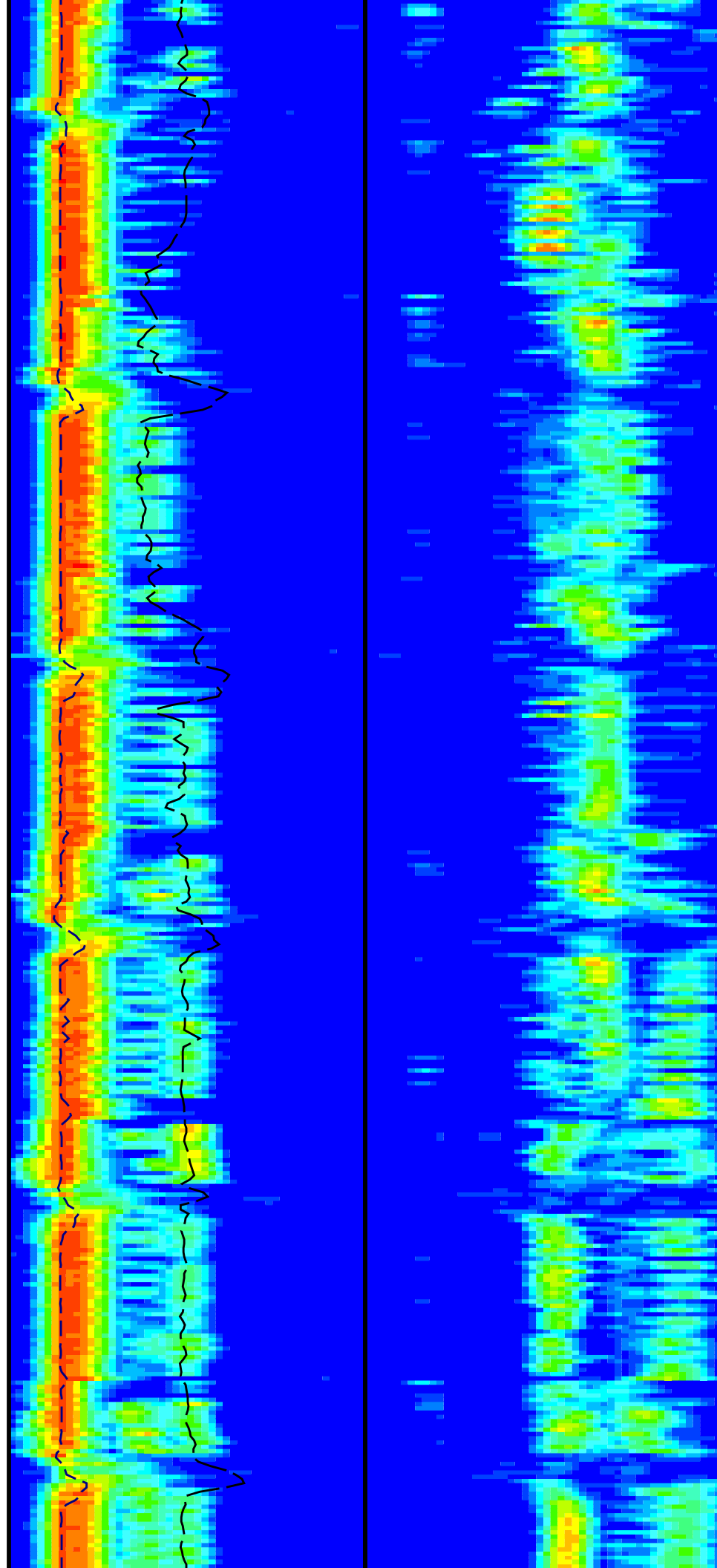


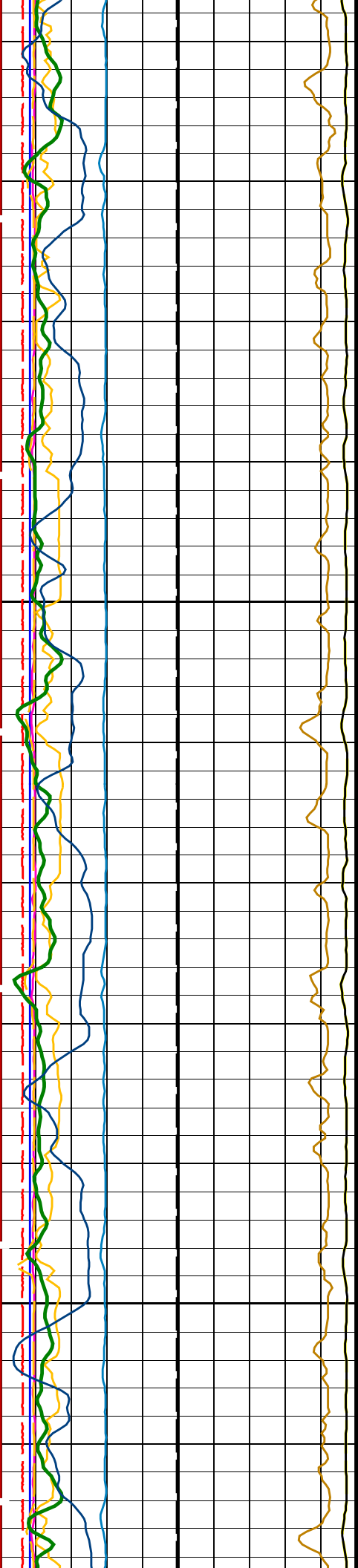


2150

2175

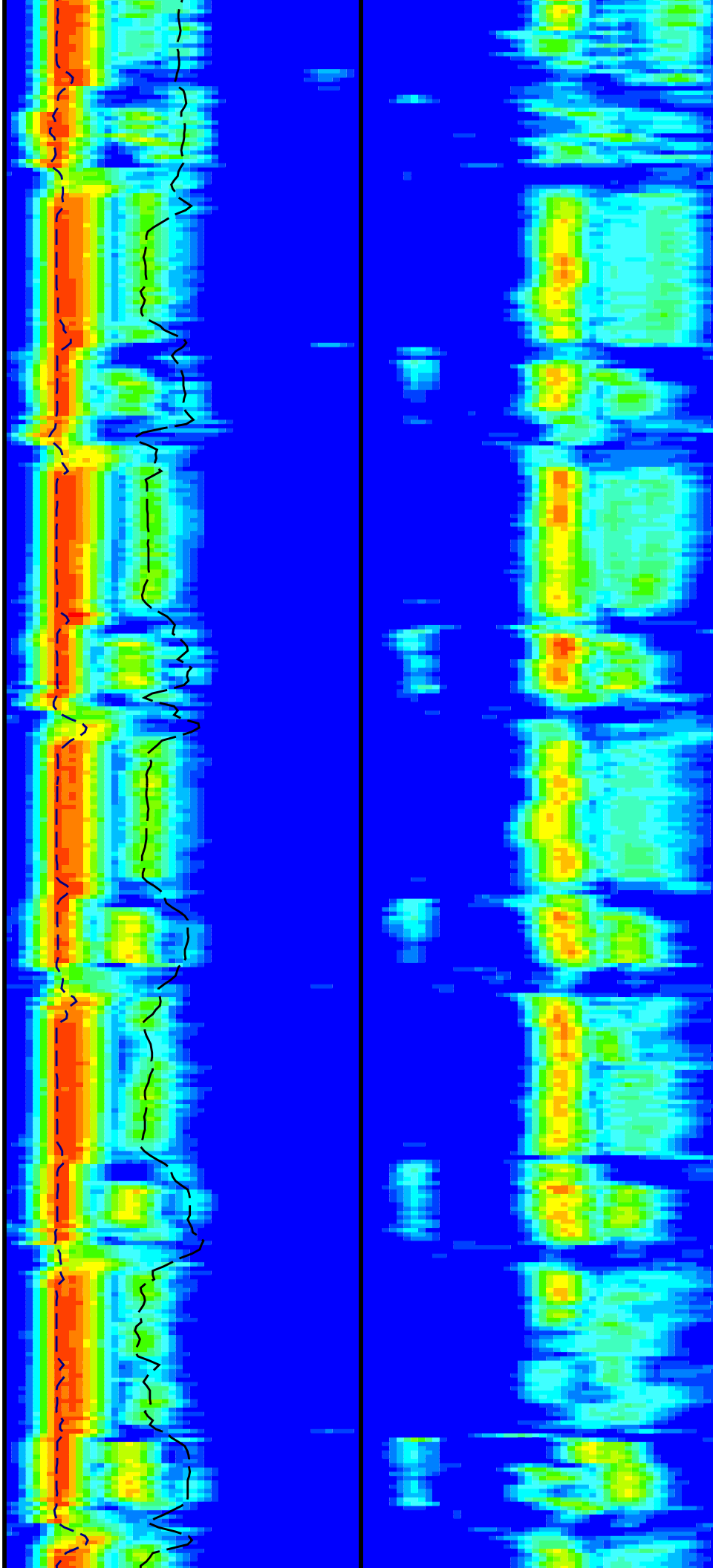
2200

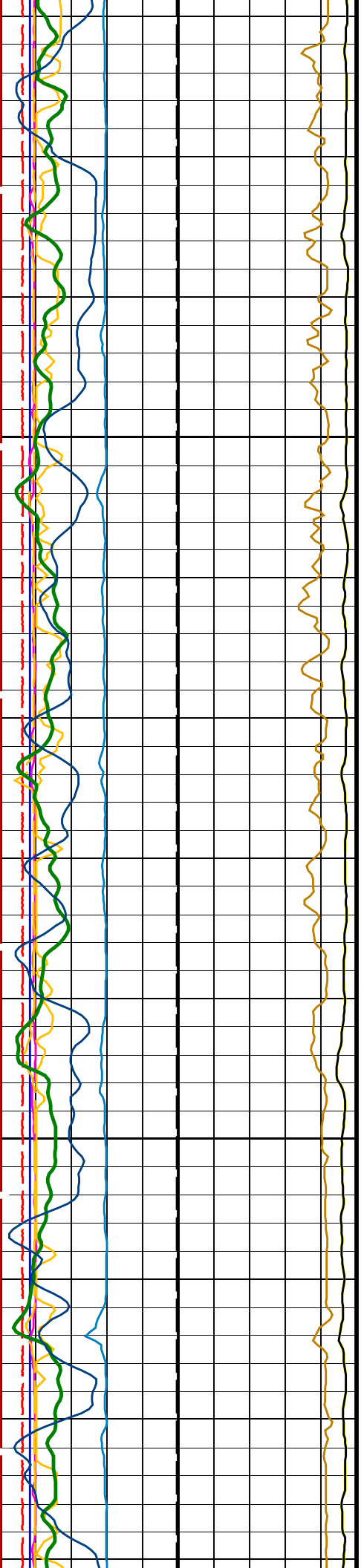




2225

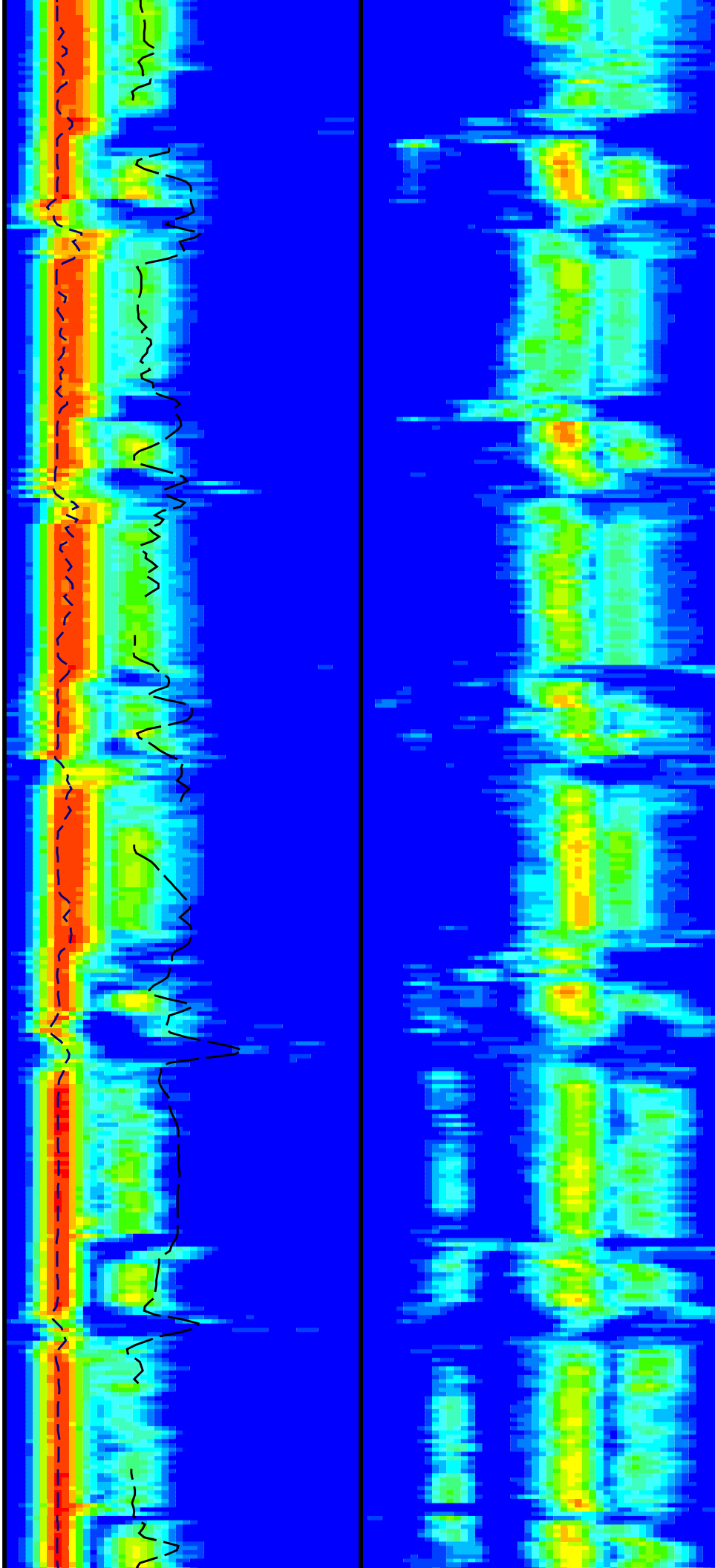
2250

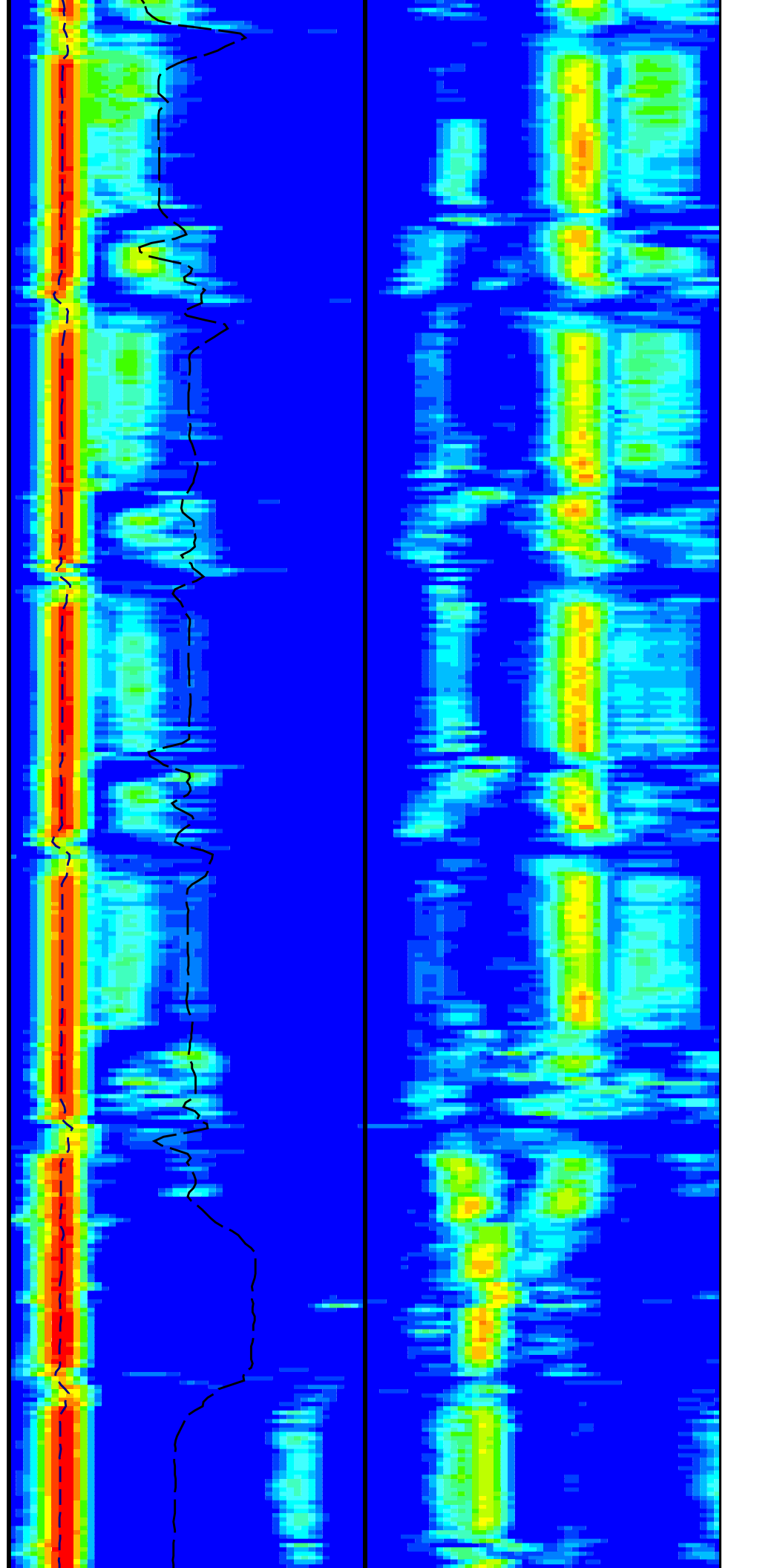
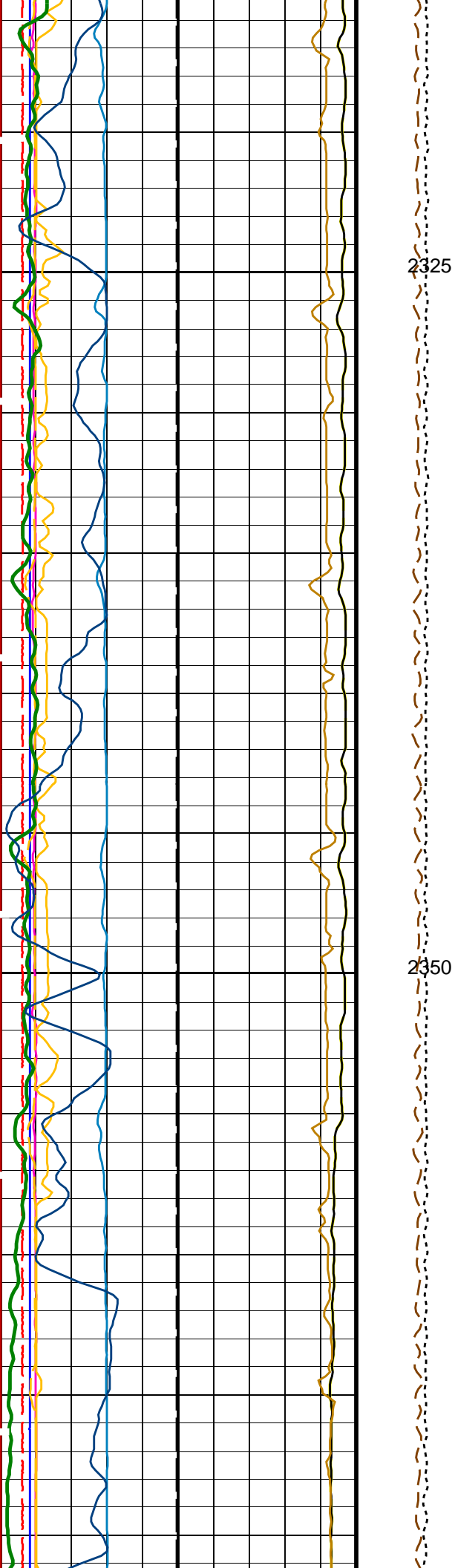


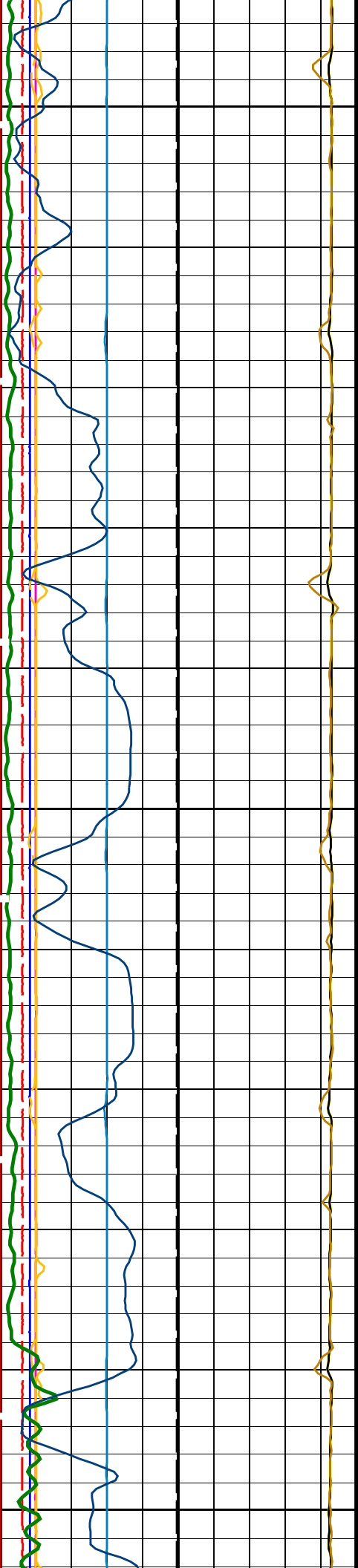


2275

2300



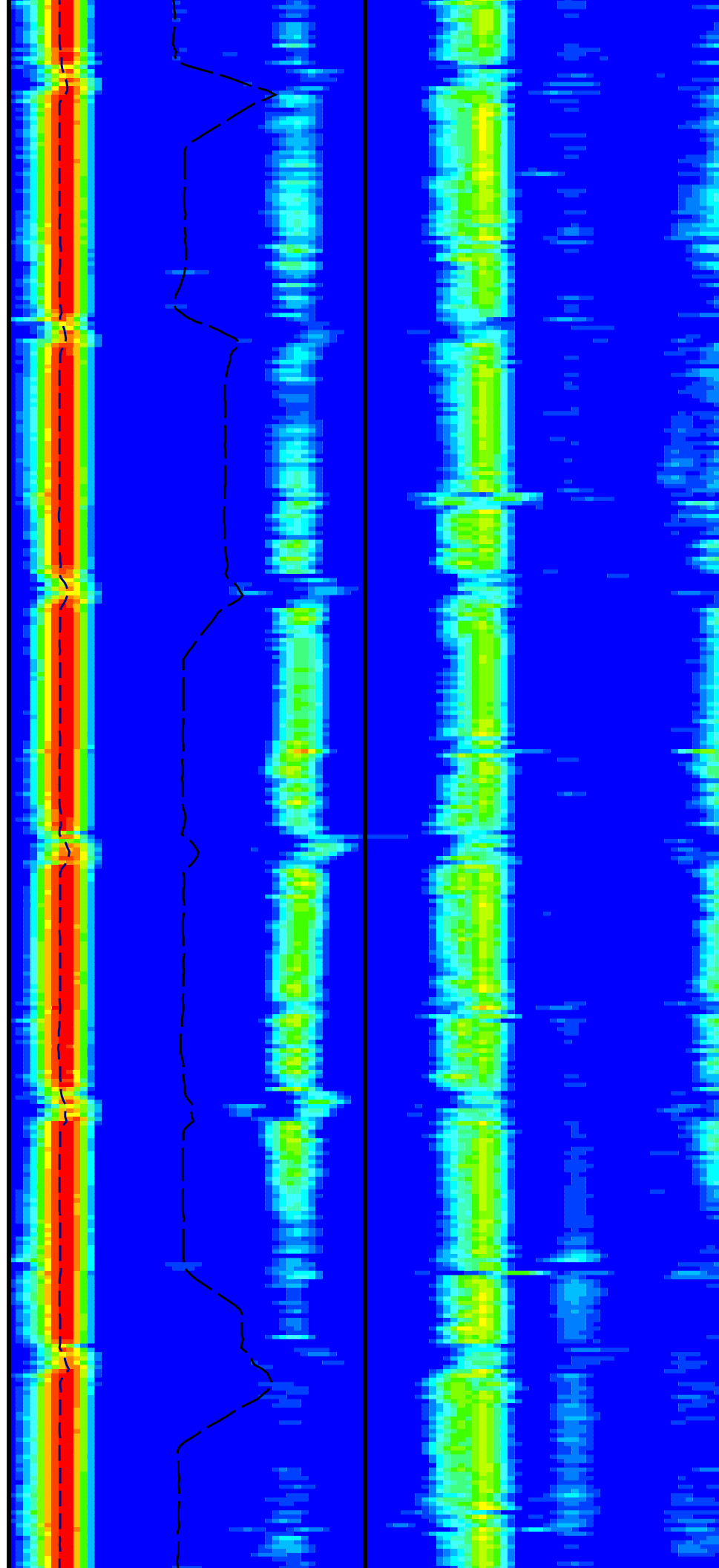


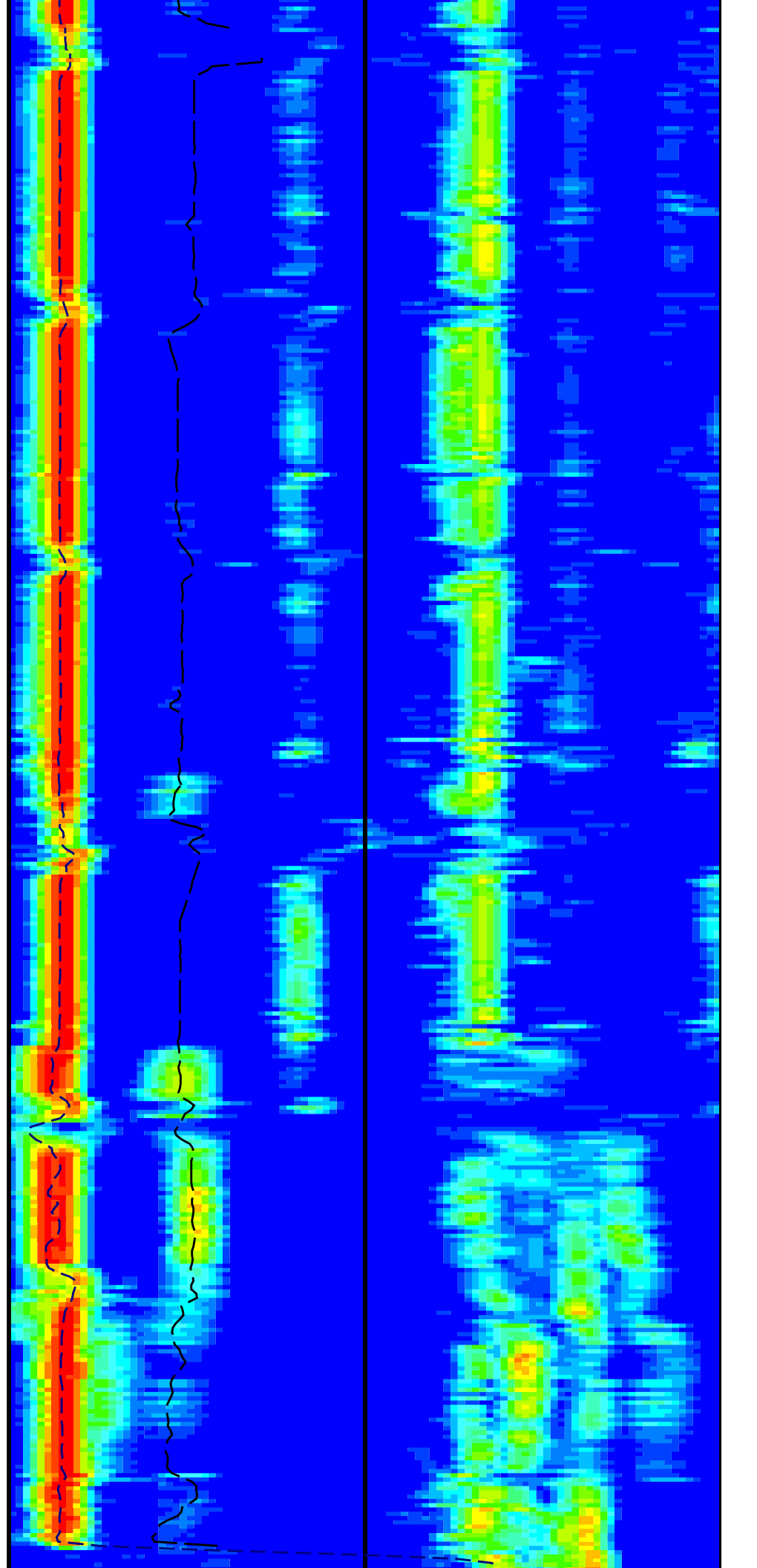
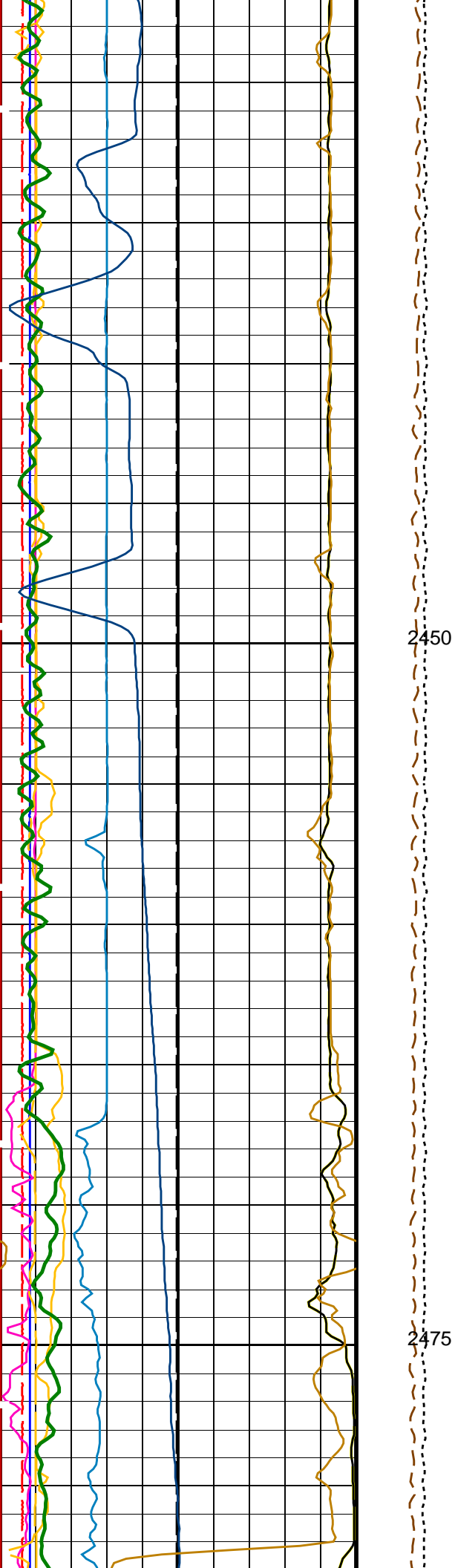


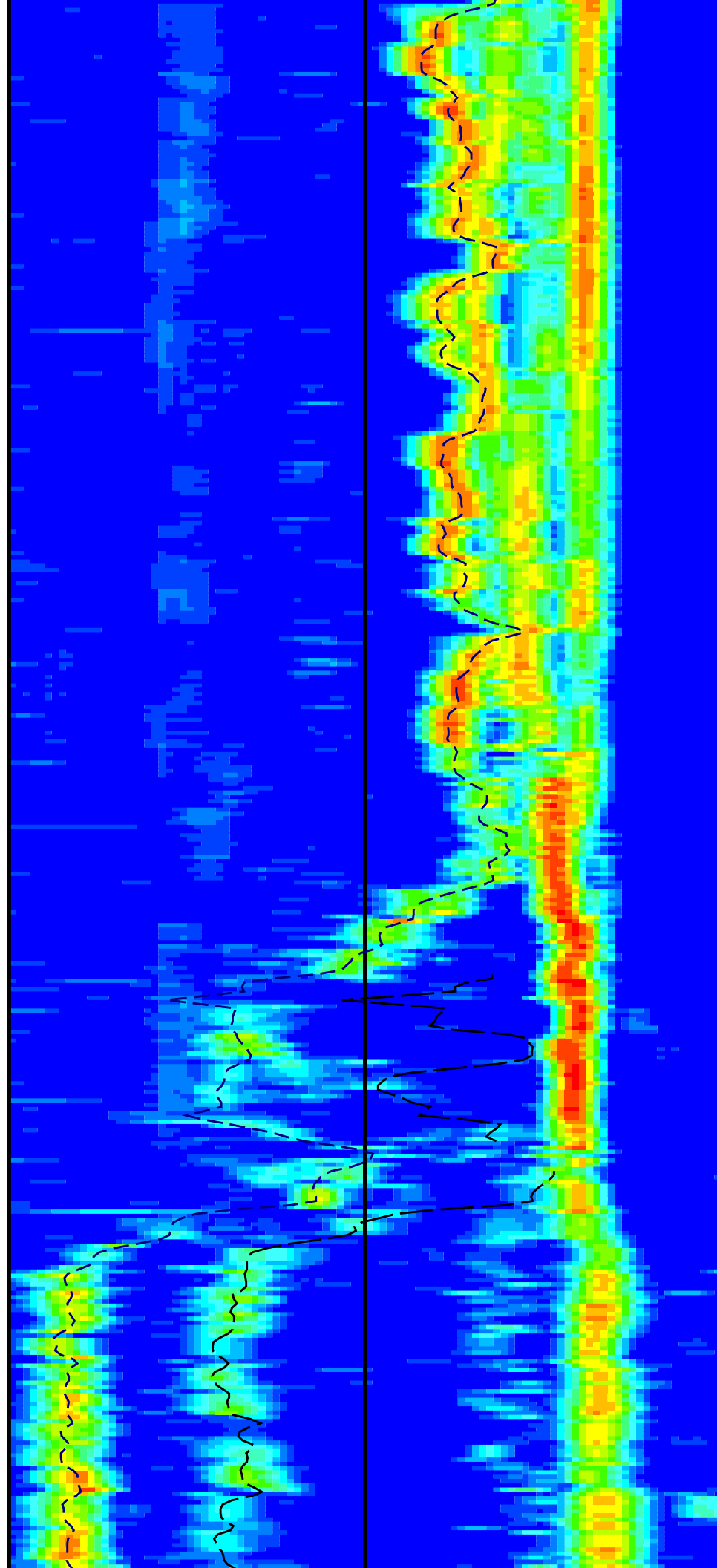
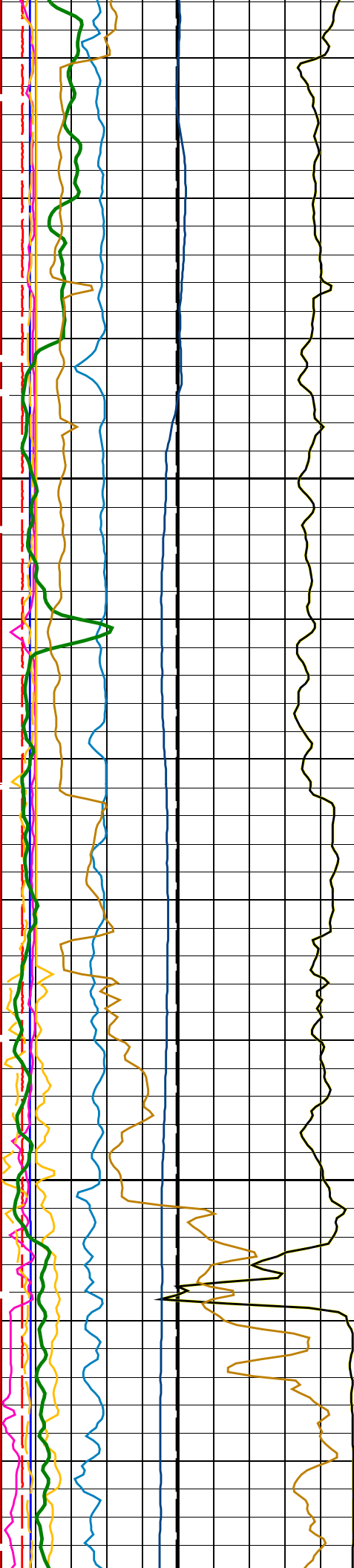
2375

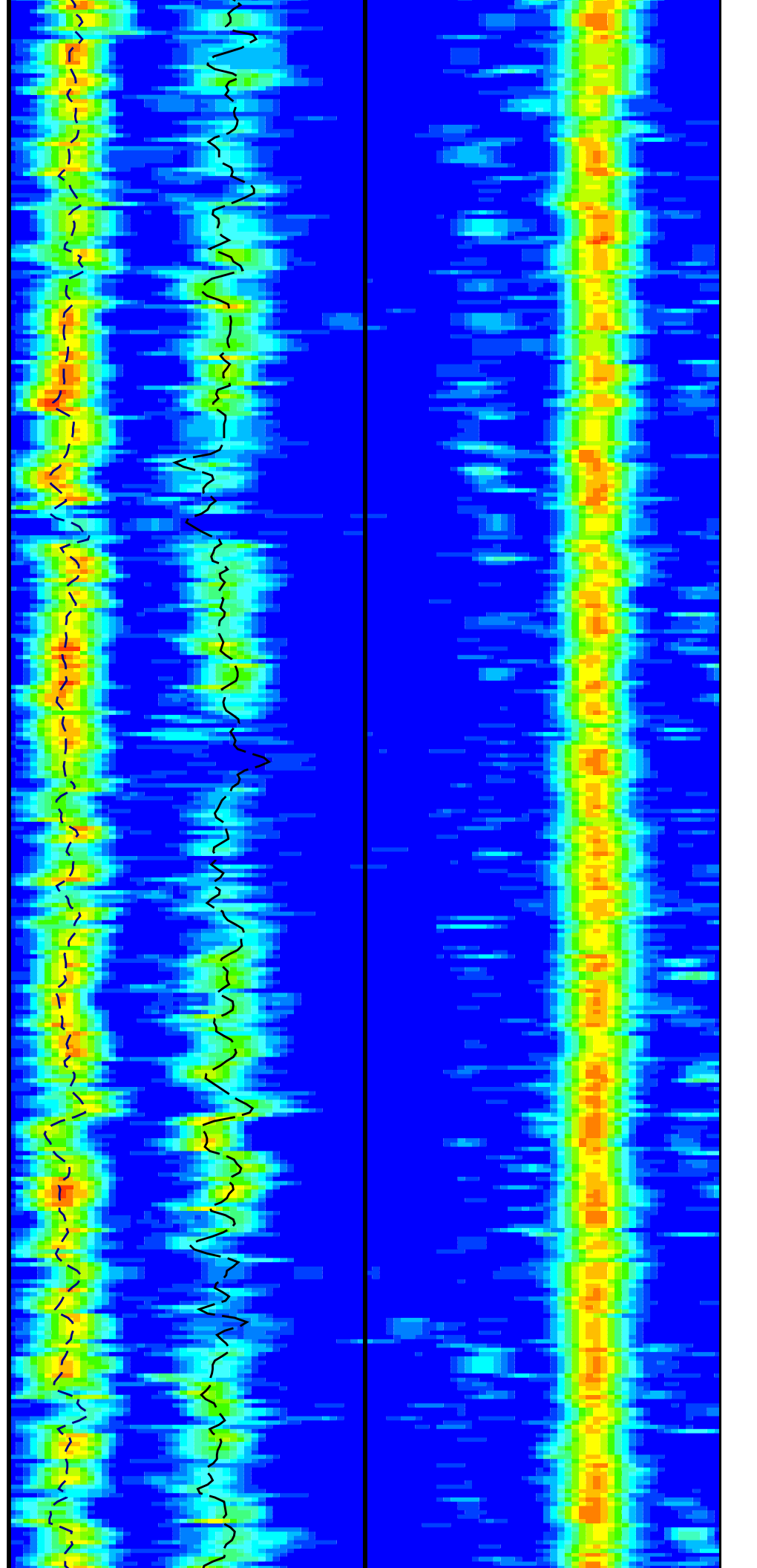
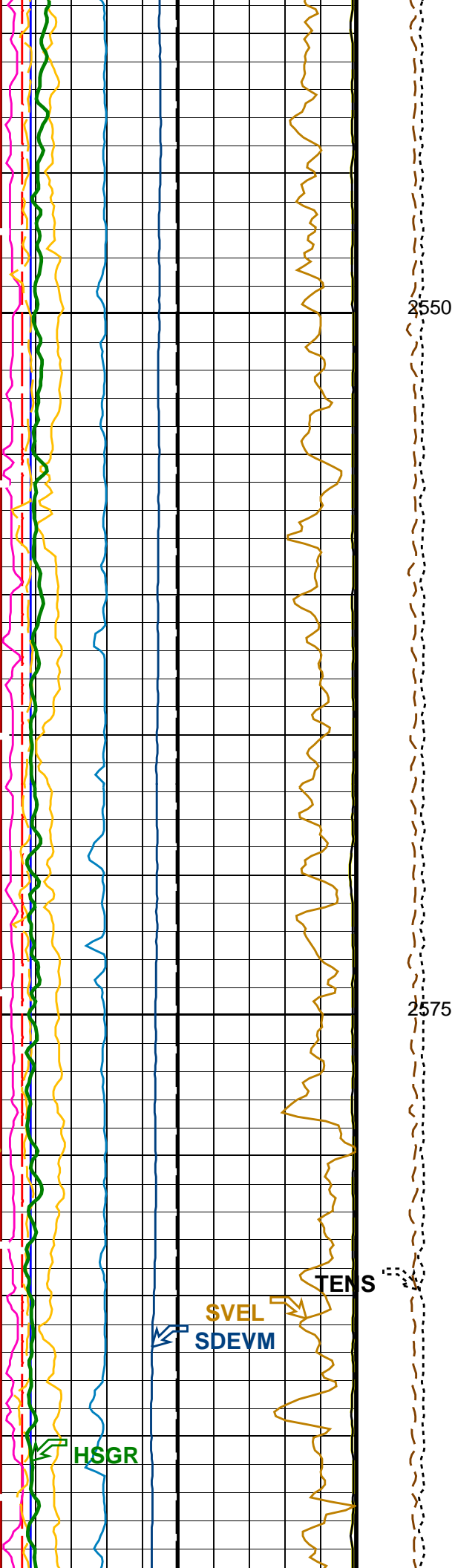
2400

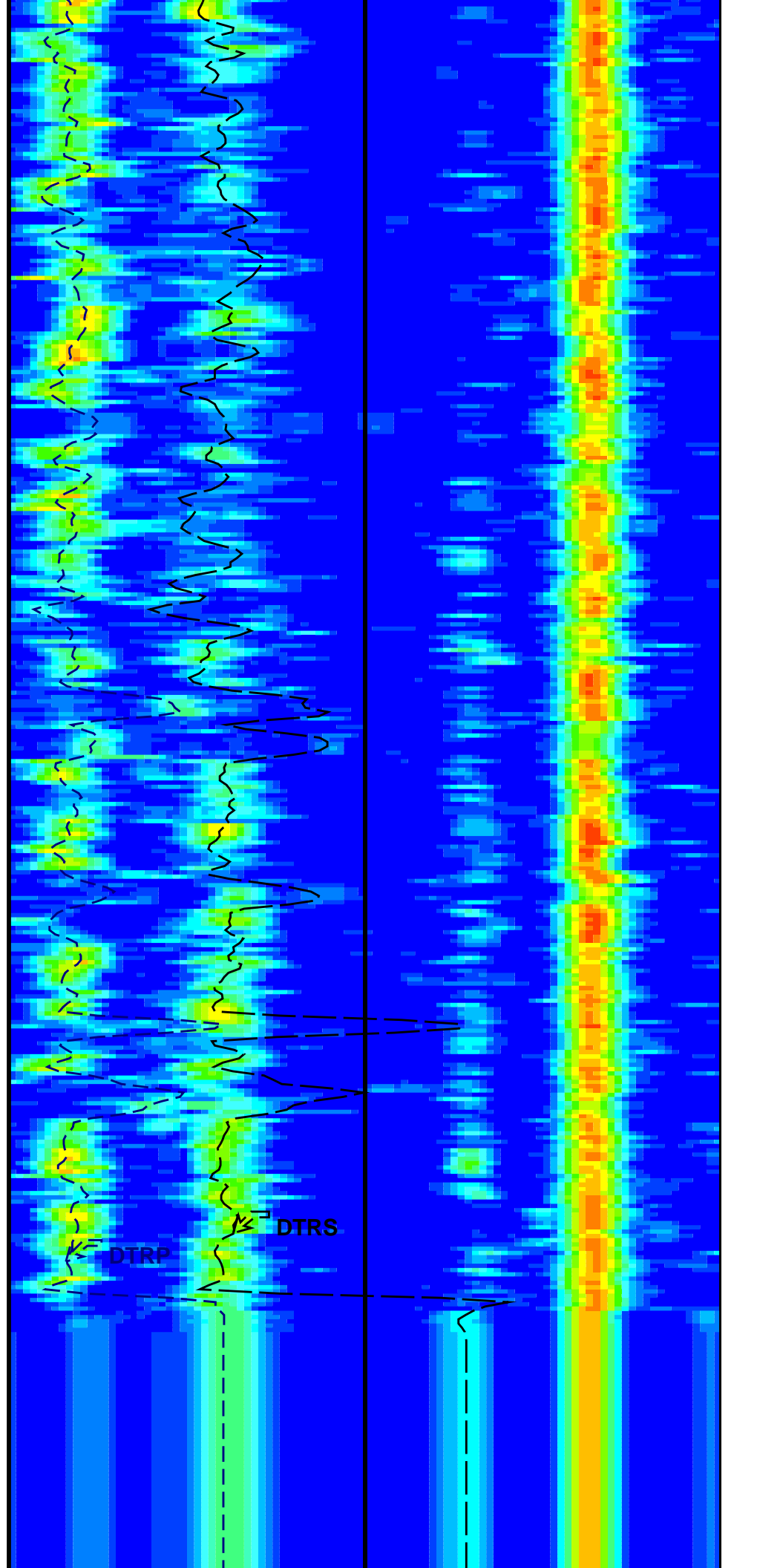
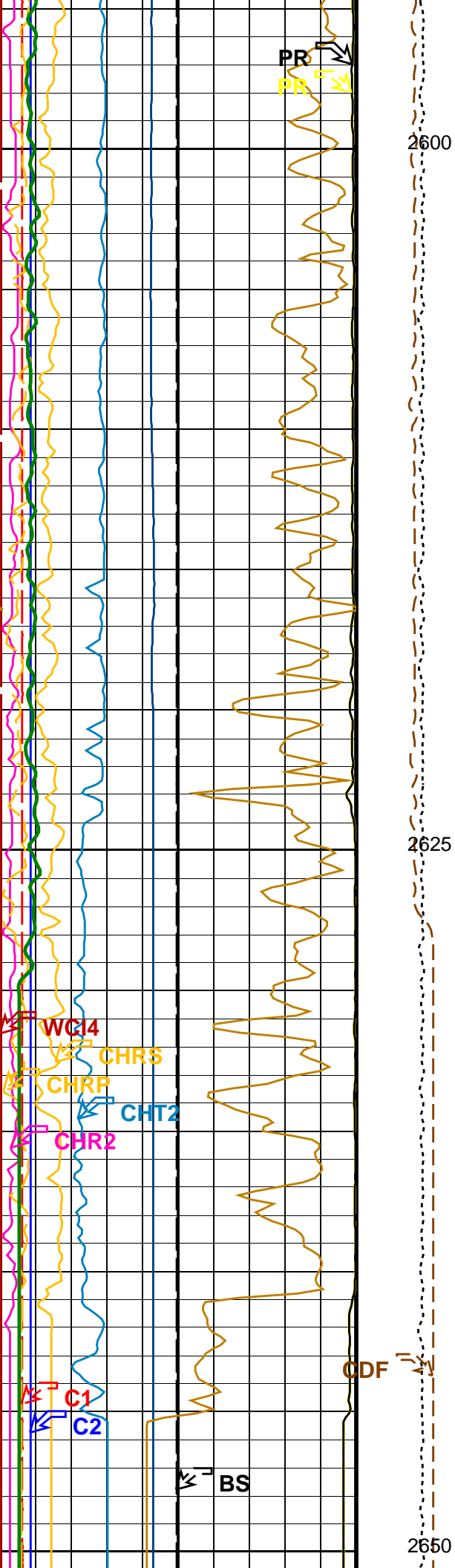
2425

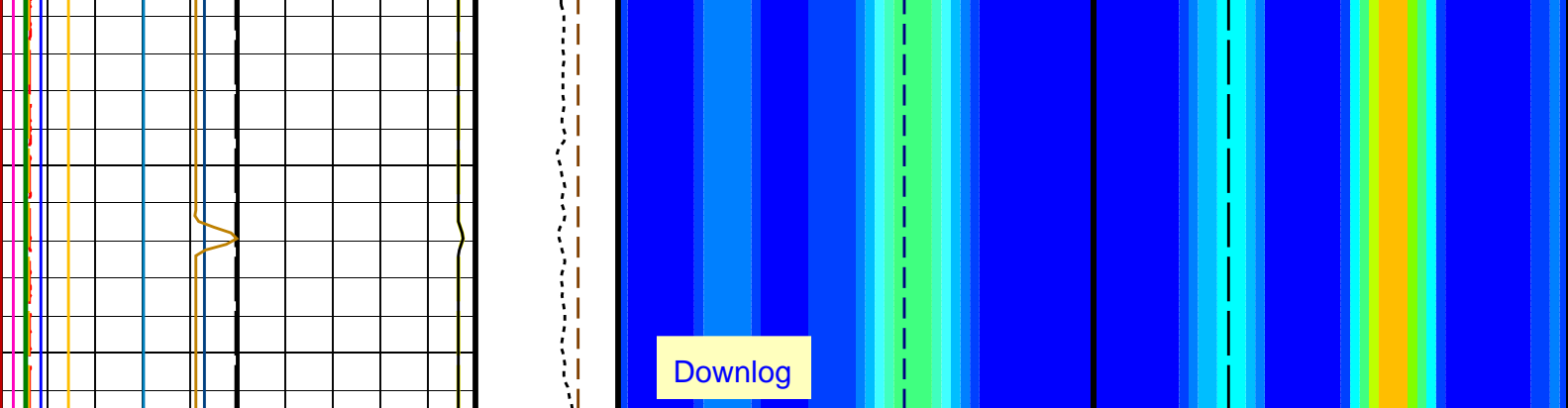












<div>Bit Size (BS) (IN)</div> <div>020</div>	<div>Tension (TENS) (LBF)</div> <div>100000</div>	<div>Delta-T Comp / RA – P & S (DTRP) (US/F)</div> <div>40240</div>
<div>Caliper 2 (C2) (IN)</div> <div>020</div>	<div>Calibrated Downhole Force (CDF) (LBF)</div> <div>30000</div>	<div>Delta-T Shear / RA – P & S (DTRS) (US/F)</div> <div>40240</div>
<div>Caliper 1 (C1) (IN)</div> <div>020</div>		<div>MinAmplitudeMax</div> <div>Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)</div> <div>40240</div>
<div>Poisson's Ratio (PR) (----</div> <div>00.5</div>		
<div>Sonde Deviation (SDEVM) (DEG)</div> <div>010</div>		
<div>Sonic Velocity (SVEL) (M/S)</div> <div>10006000</div>		
<div>Poisson's Ratio (PR) (-----)</div> <div>00.5</div>		
<div>Peak Coherence / RA – Upper Dipole (CHR2) (-----)</div> <div>010</div>		
<div>Peak Coherence / TA – Upper Dipole (CHT2) (-----)</div> <div>-28</div>		
<div>Peak Coherence / RA – P & S Comp (CHRP) (-----)</div> <div>010</div>		
<div>Peak Coherence / RA – P & S Shear (CHRS) (-----)</div> <div>-19</div>		
<div>Waveform Data Copy Indicator 4 – Monopole P&S (WCI4) (-----)</div> <div>010</div>		
<div>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)</div> <div>0100</div>		

Time Mark Every 60 S

PIP SUMMARY

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	-13.1567	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	40	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 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
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	70	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	195	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-B: 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	
H2PX	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	

HABK	HNGS Borehole Potassium Running Average	-0.0026764	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958559	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01896	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	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: 09-Jul-2021 03:14

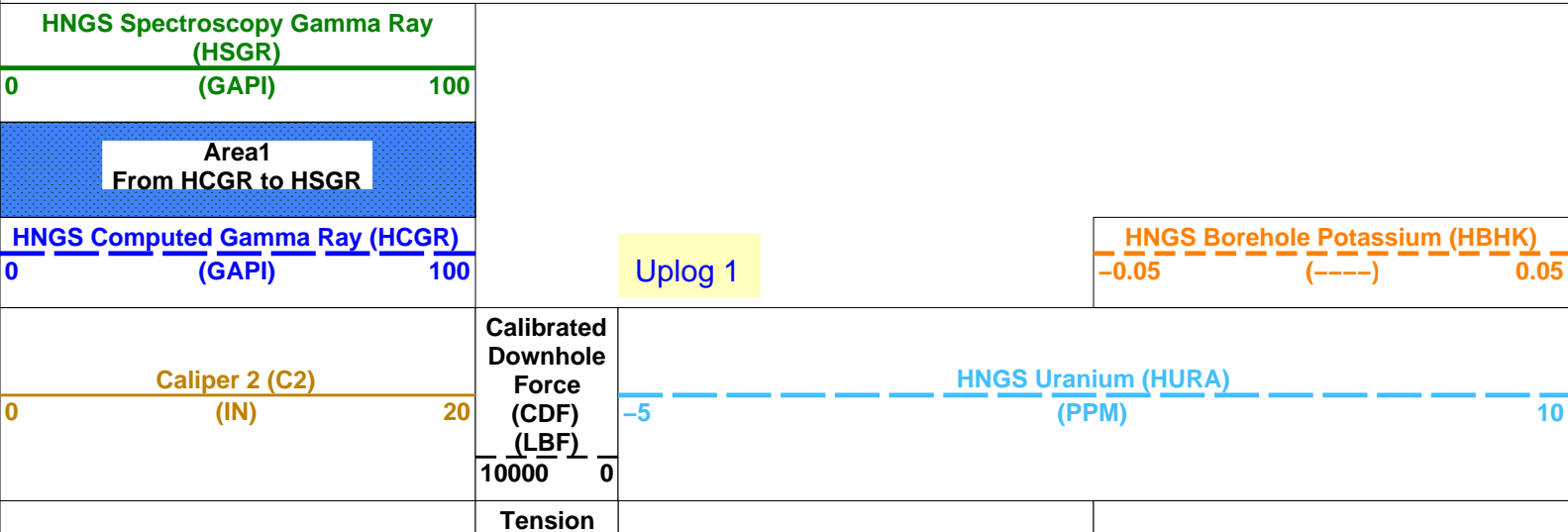
OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

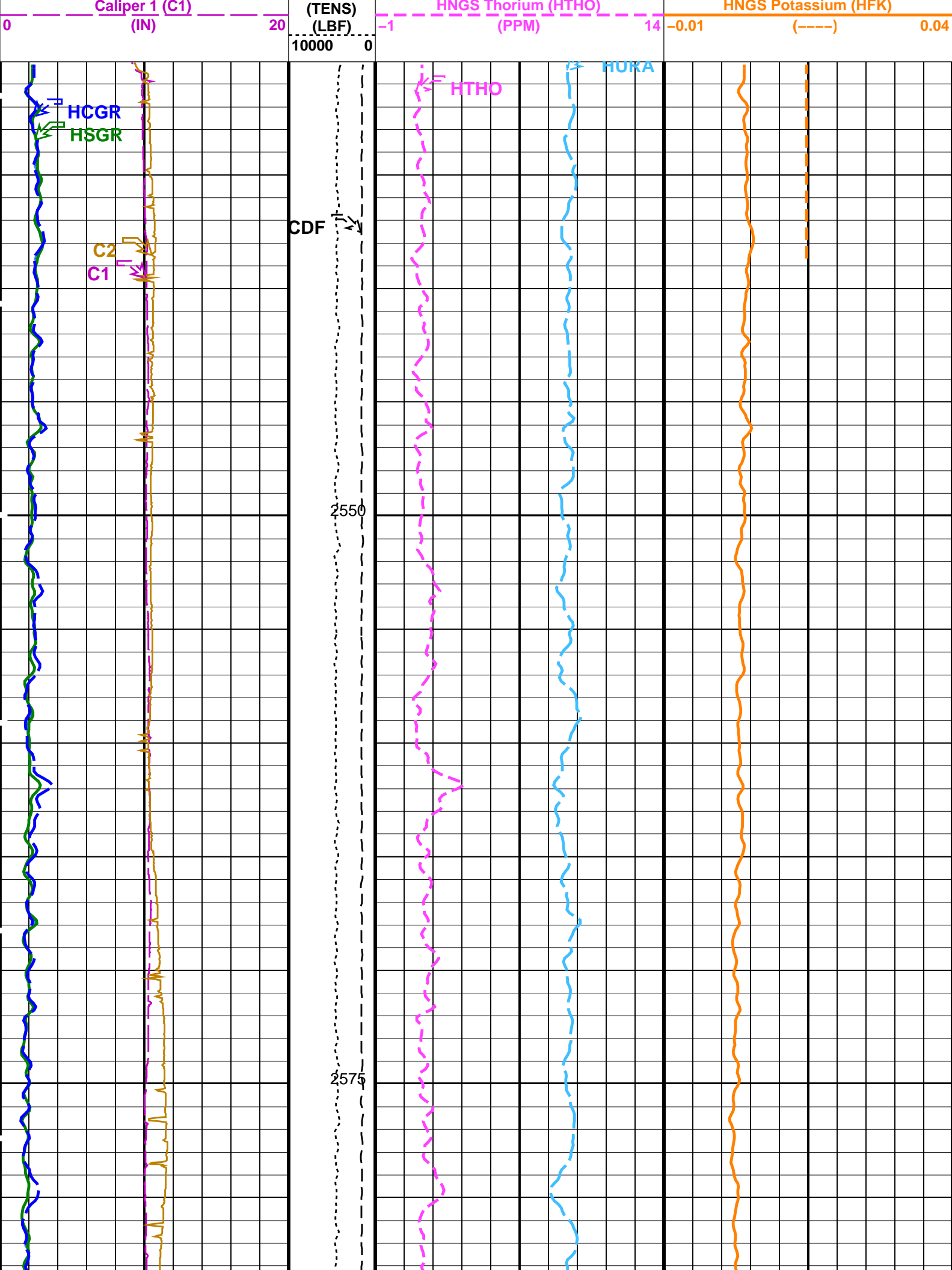
Input DLIS Files					
DEFAULT	Flip_FMS_DSI_NGS_025LUP	PRODUCER	09-Jul-2021 03:00	2661.5 M	1817.4 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_029PUP	FN:45	PRODUCER	09-Jul-2021 03:14	
BACKUP	FMS_DSI_NGS_029PUP	FN:46	PRODUCER	09-Jul-2021 03:14	

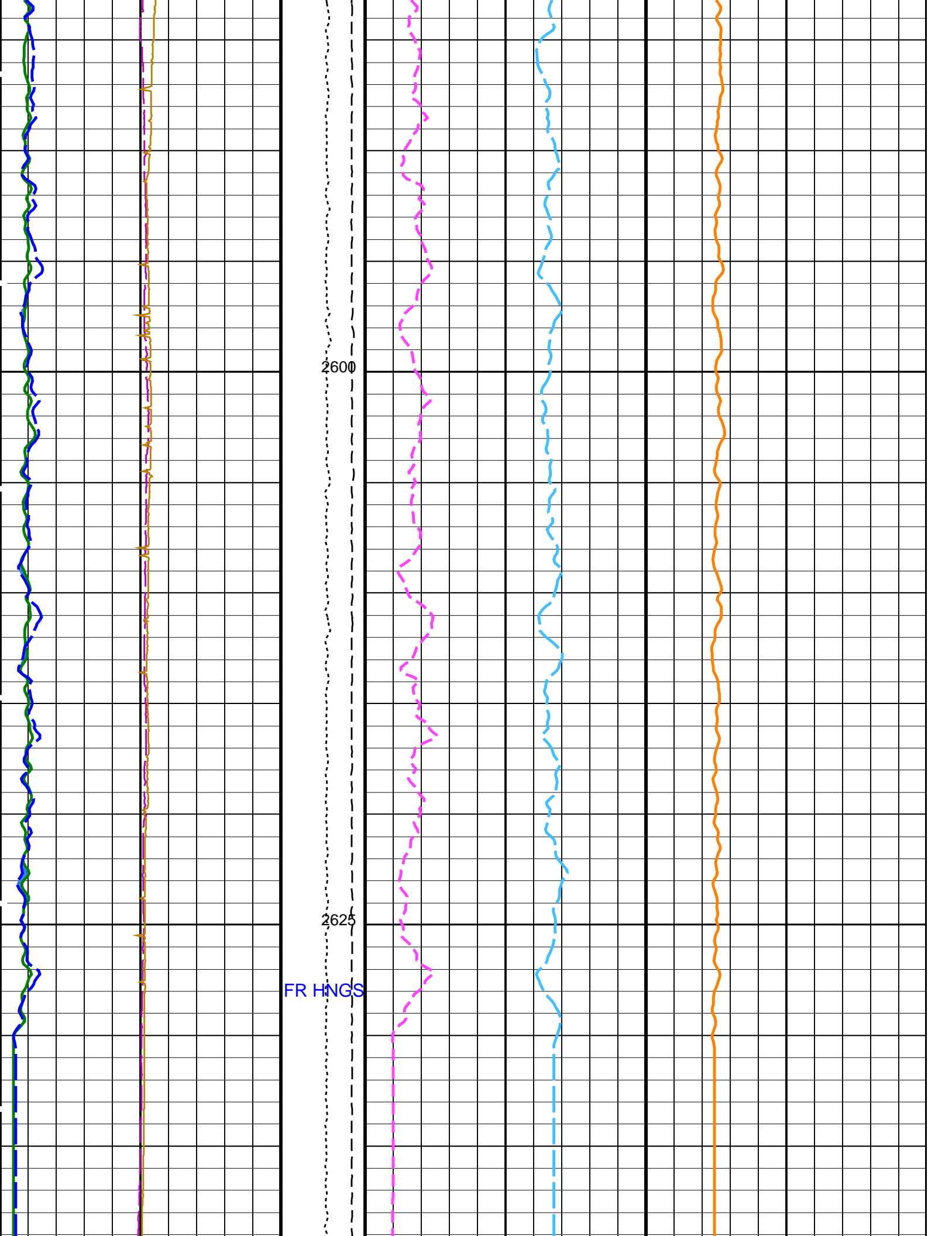
Input DLIS Files					
DEFAULT	FMS_DSI_NGS_023LUP	FN:35	PRODUCER	09-Jul-2021 00:57	2660.9 M 2530.6 M
Output DLIS Files					
DEFAULT	FMS_DSI_NGS_030PUP	FN:47	PRODUCER	09-Jul-2021 03:18	2660.9 M 2530.0 M
BACKUP	FMS_DSI_NGS_030PUP	FN:48	PRODUCER	09-Jul-2021 03:18	2660.9 M 2530.0 M

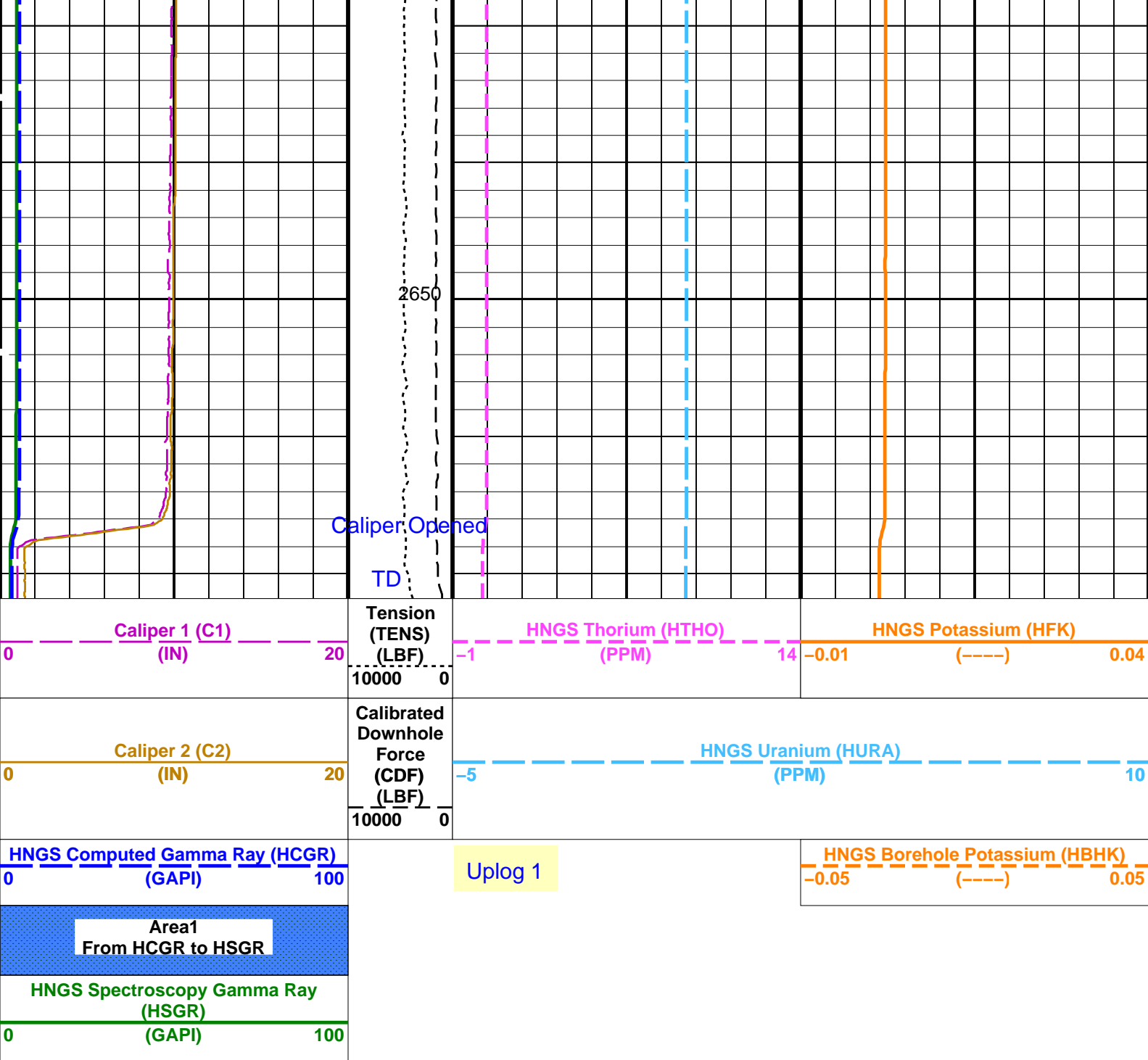
OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

PIP SUMMARY	
Time Mark Every 60 S	









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	-0.00267641

HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958559	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01896	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 09-Jul-2021 03:18

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

DEFAULT	FMS_DSI_NGS_023LUP	FN:35	PRODUCER	09-Jul-2021 00:57	2660.9 M	2530.6 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:47	PRODUCER	09-Jul-2021 03:18		
BACKUP	FMS_DSI_NGS_030PUP	FN:48	PRODUCER	09-Jul-2021 03:18		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:35	PRODUCER	09-Jul-2021 00:57	2660.9 M	2530.6 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:47	PRODUCER	09-Jul-2021 03:18	2660.9 M	2530.0 M
BACKUP	FMS_DSI_NGS_030PUP	FN:48	PRODUCER	09-Jul-2021 03:18	2660.9 M	2530.0 M

OP System Version: 19C0-187

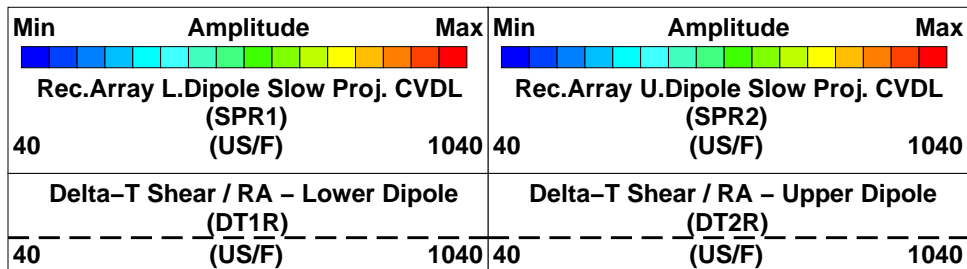
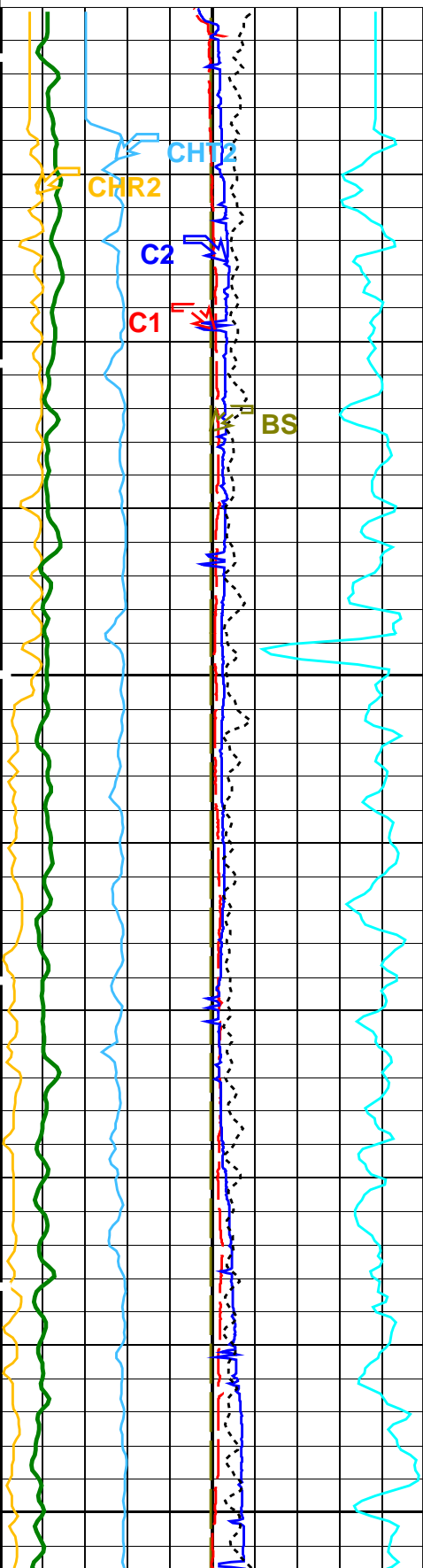
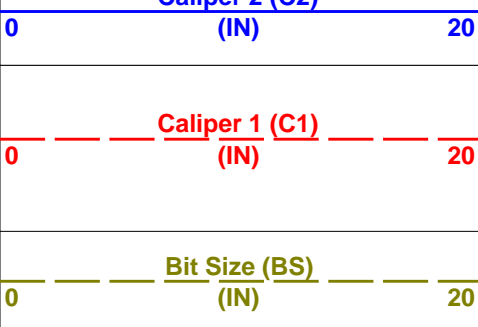
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

PIP SUMMARY

☒ Time Mark Every 60 S

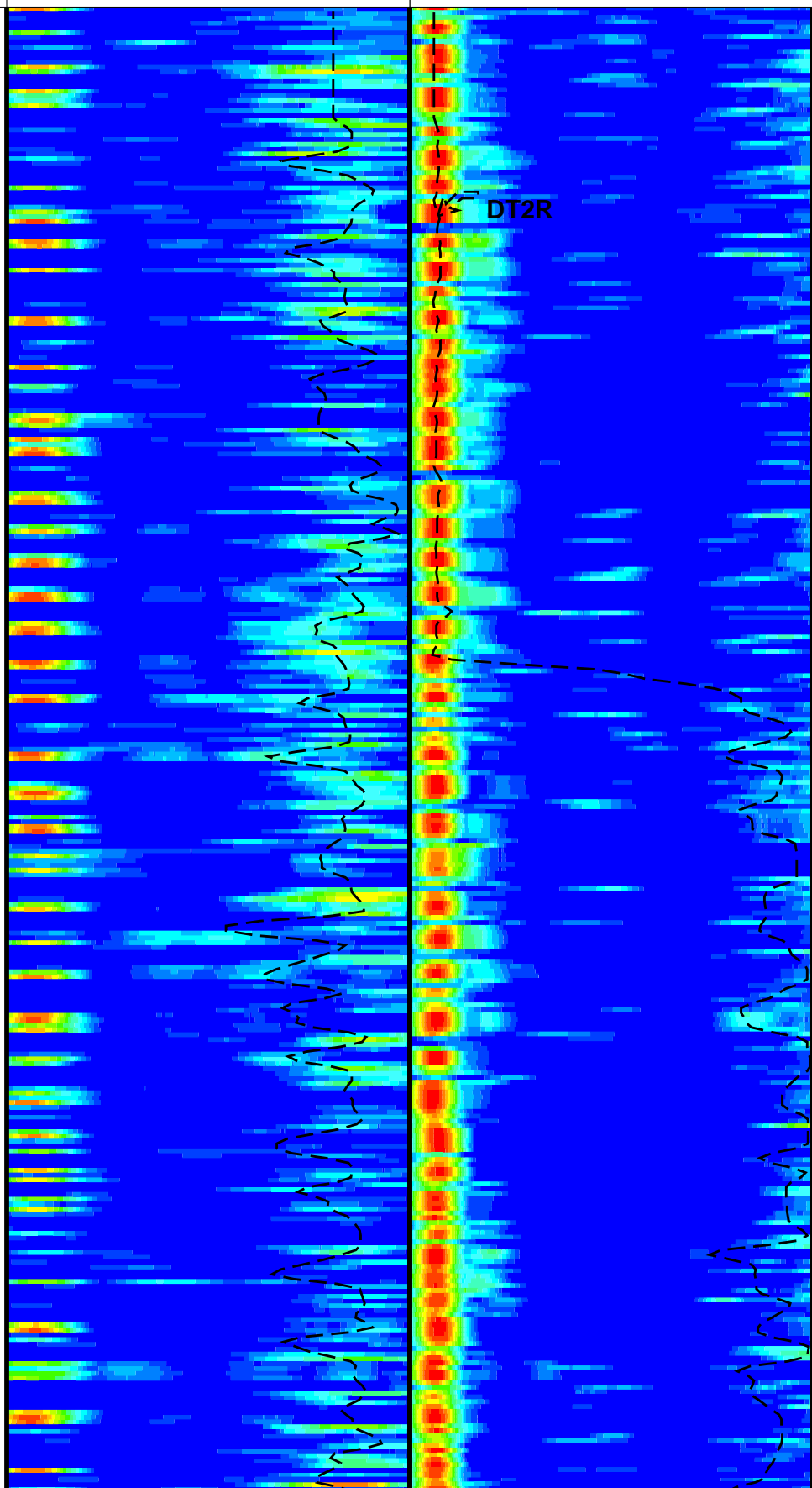
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Tension (TENS) -----		
10000	(LBF)	0
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Caliper 2 (C2)		

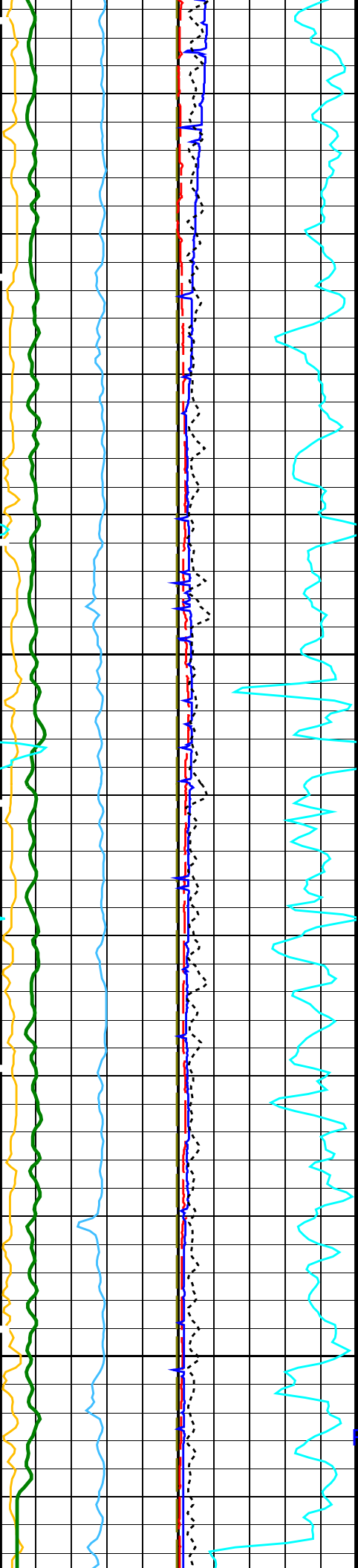
Unlog 1



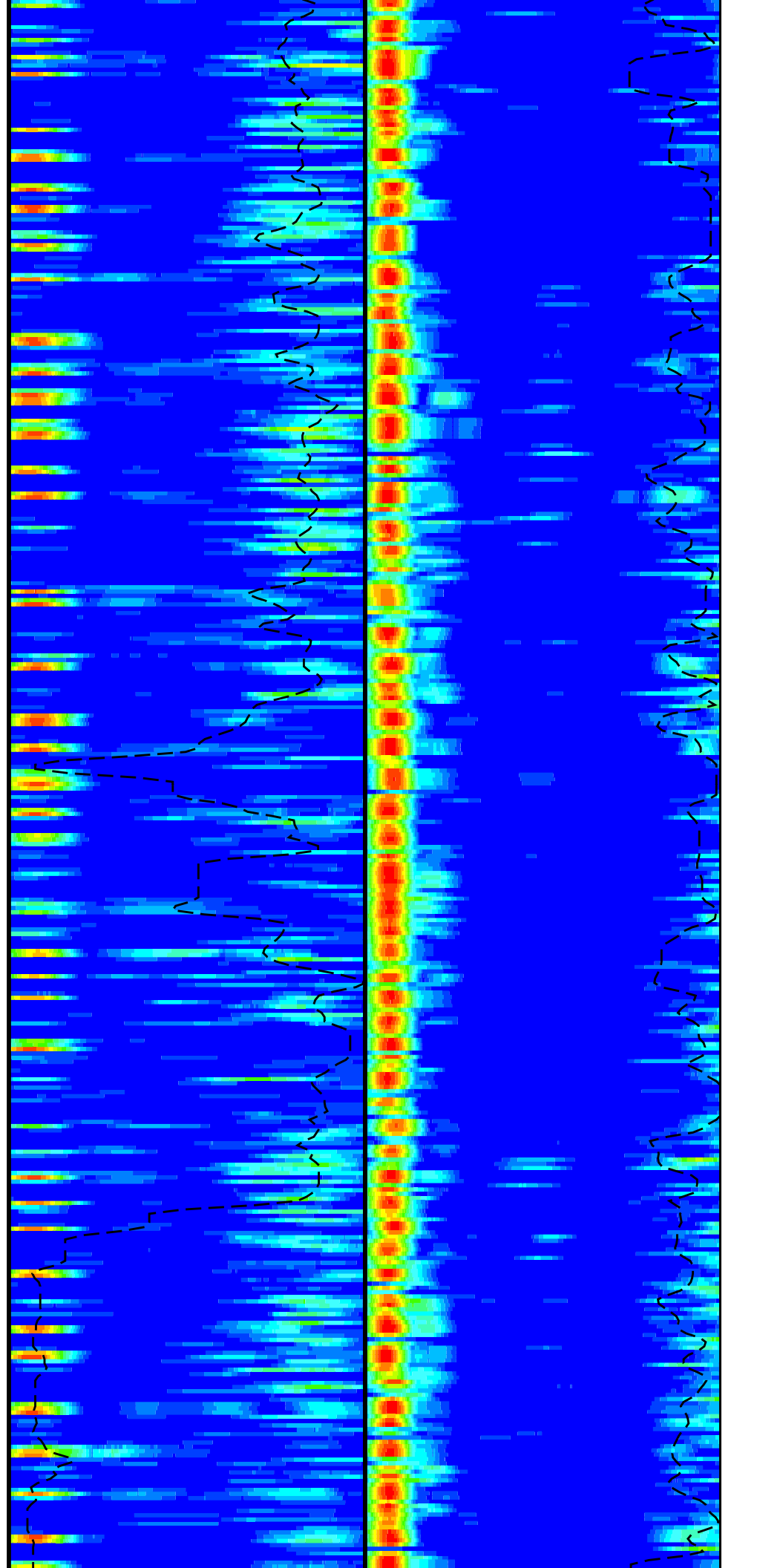
2550

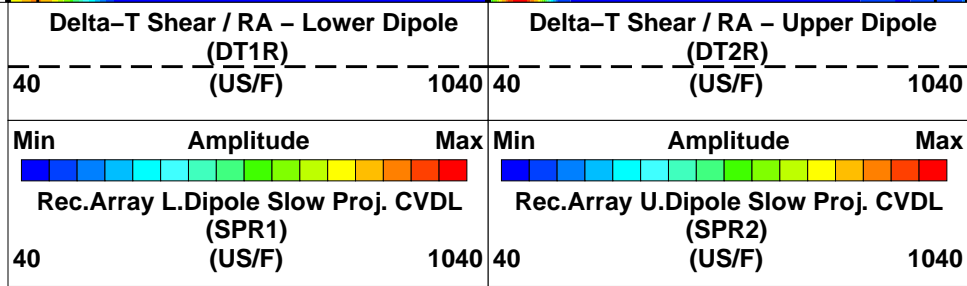
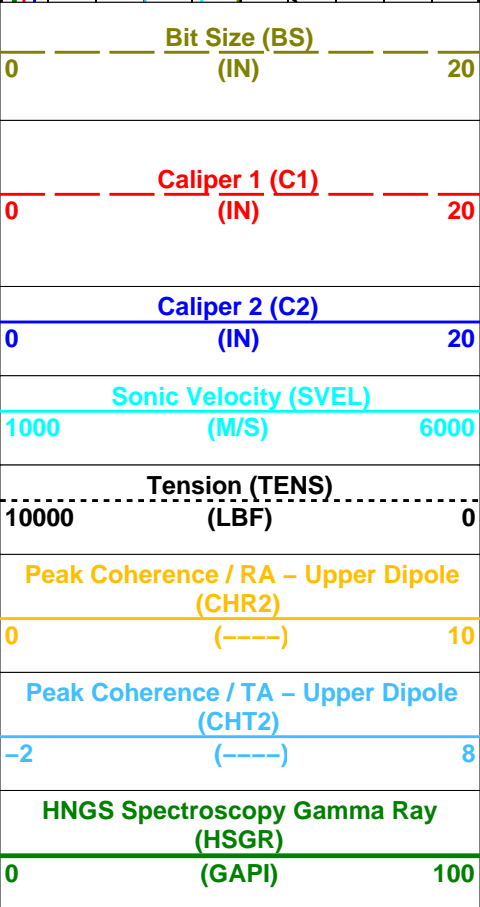
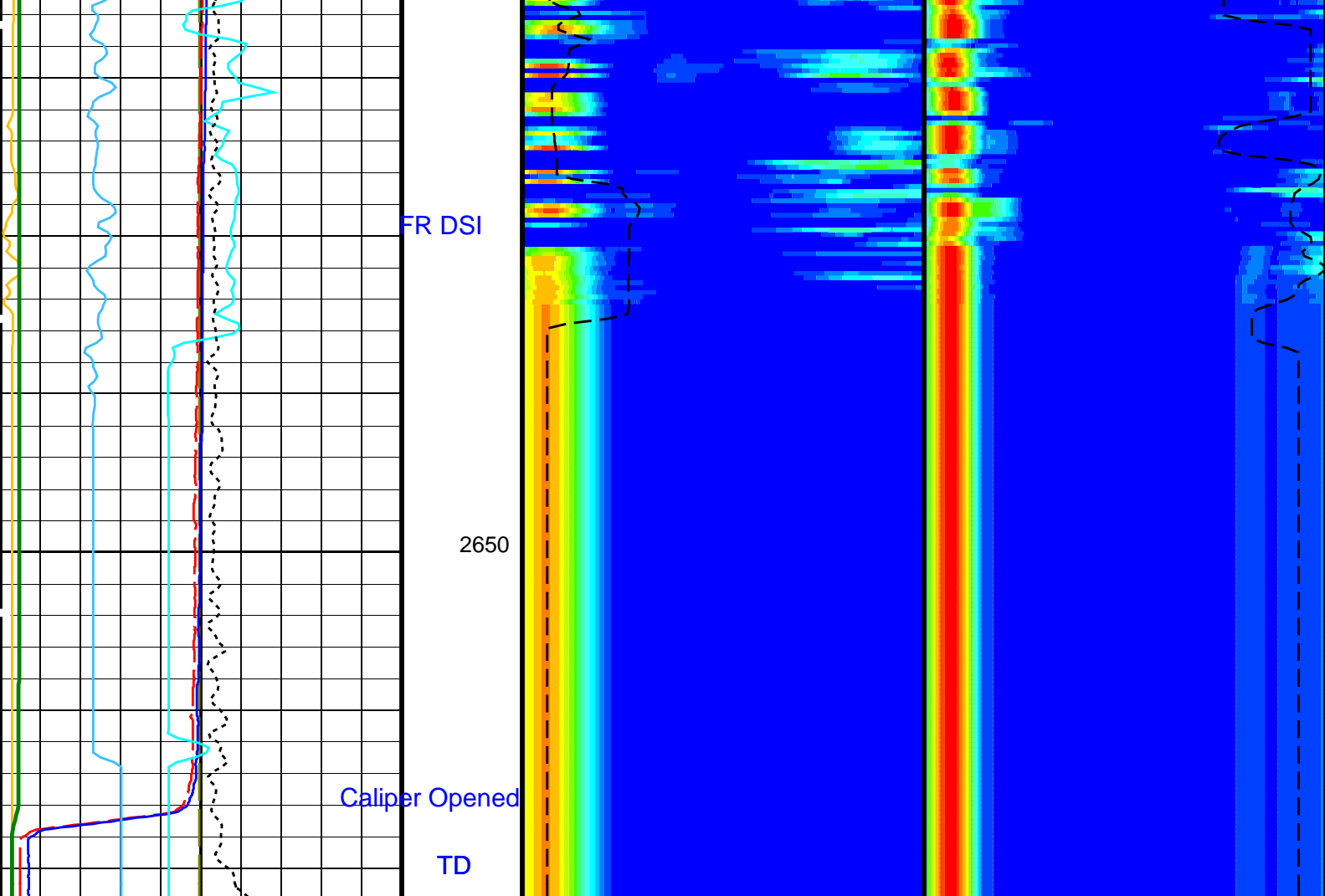
2575





FR HNGS





Uplong 1

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	-0.00267641	
HALF	HNGS Alpha Filter Length	60	IN

HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958559	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01896	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	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: 09-Jul-2021 03:18

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

DEFAULT	FMS_DSI_NGS_023LUP	FN:35	PRODUCER	09-Jul-2021 00:57	2660.9 M	2530.6 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:47	PRODUCER	09-Jul-2021 03:18
BACKUP	FMS_DSI_NGS_030PUP	FN:48	PRODUCER	09-Jul-2021 03:18

Company: International Ocean Discovery Program Well: Expedition 395C, Site U1554F

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:35	PRODUCER	09-Jul-2021 00:57	2660.9 M	2530.6 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:47	PRODUCER	09-Jul-2021 03:18	2660.9 M	2530.0 M
BACKUP	FMS_DSI_NGS_030PUP	FN:48	PRODUCER	09-Jul-2021 03:18	2660.9 M	2530.0 M

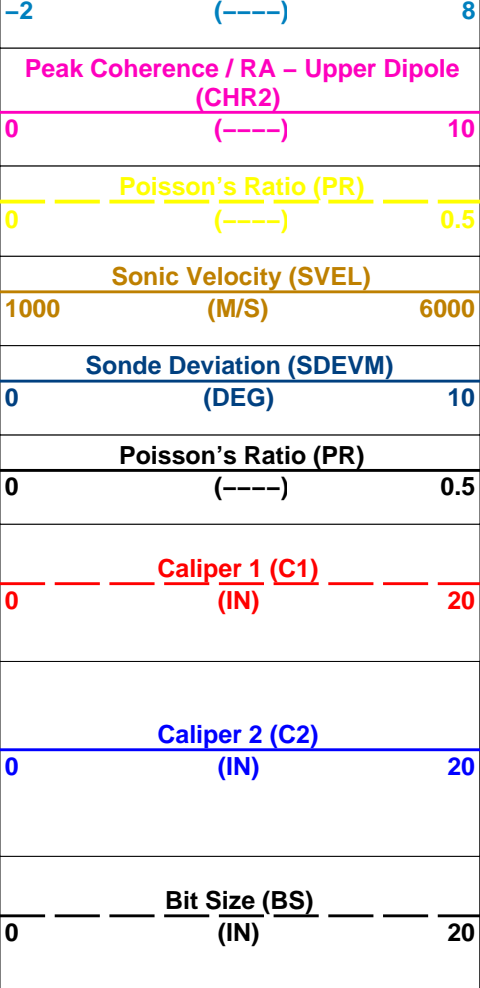
OP System Version: 19C0-187

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

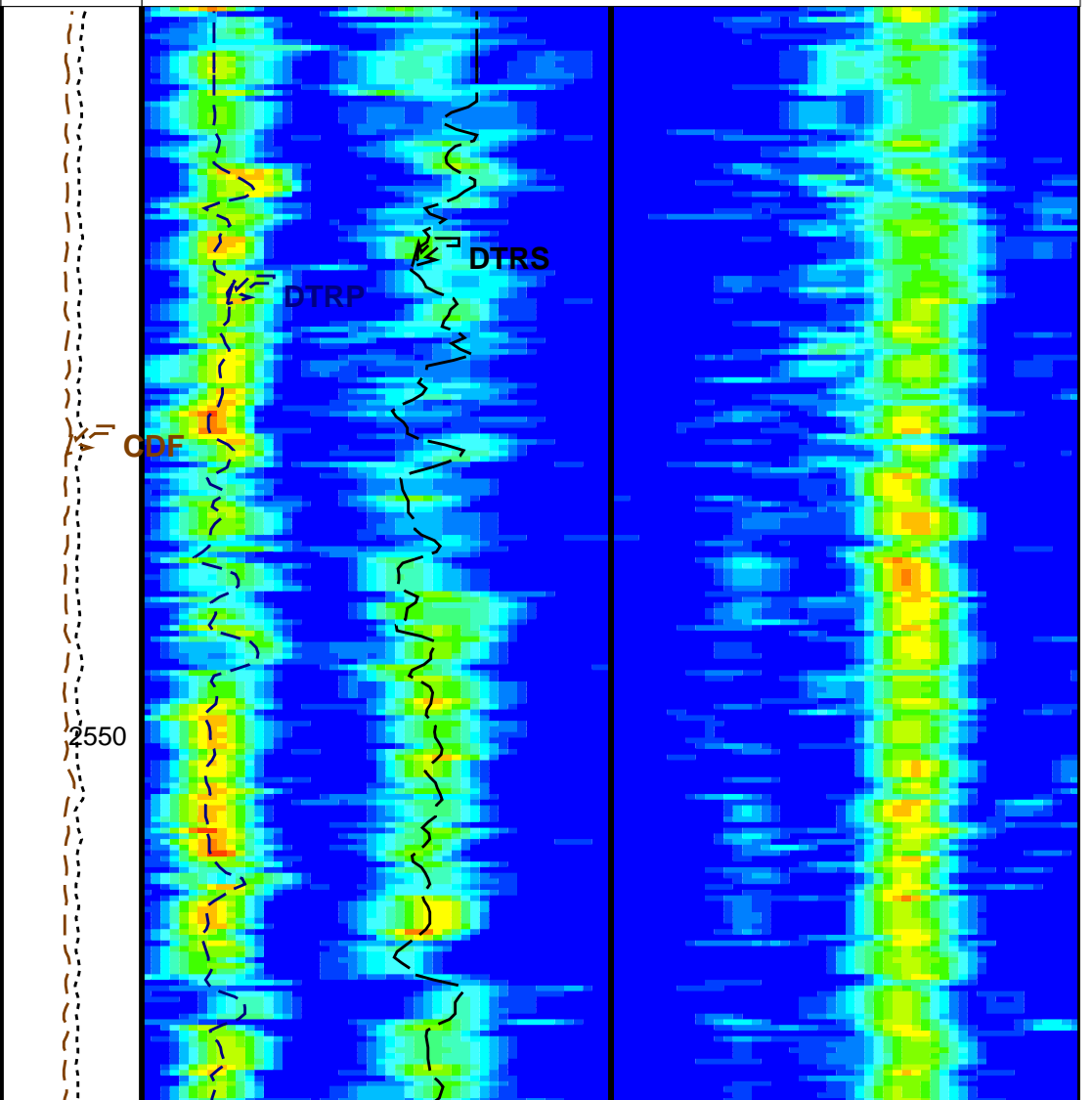
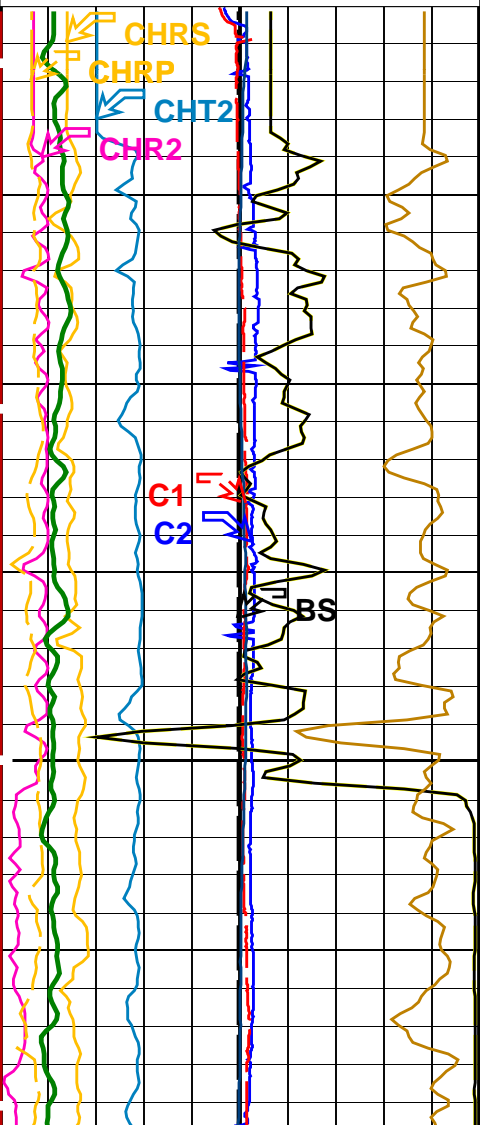
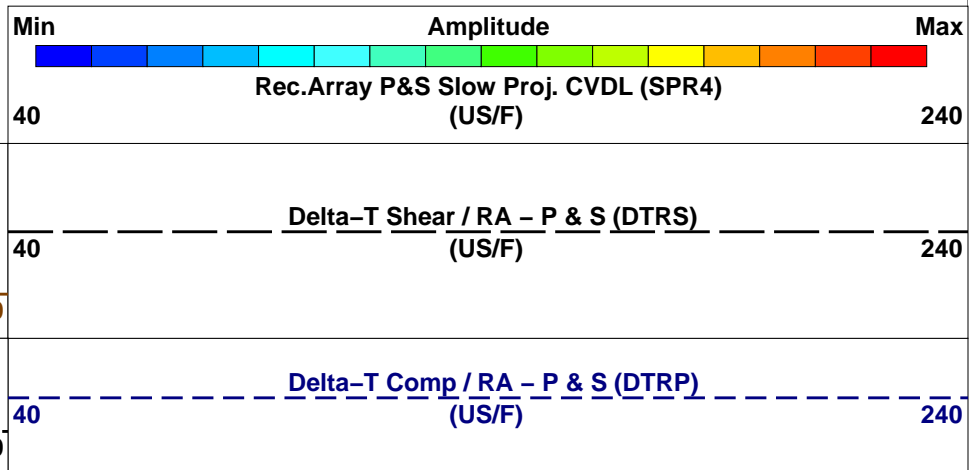
PIP SUMMARY

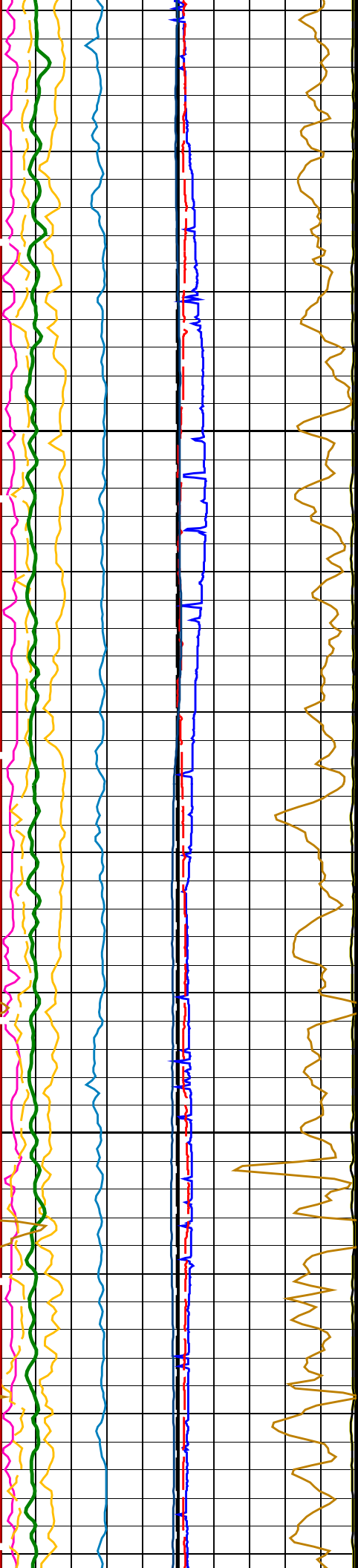
☒ Time Mark Every 60 S

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



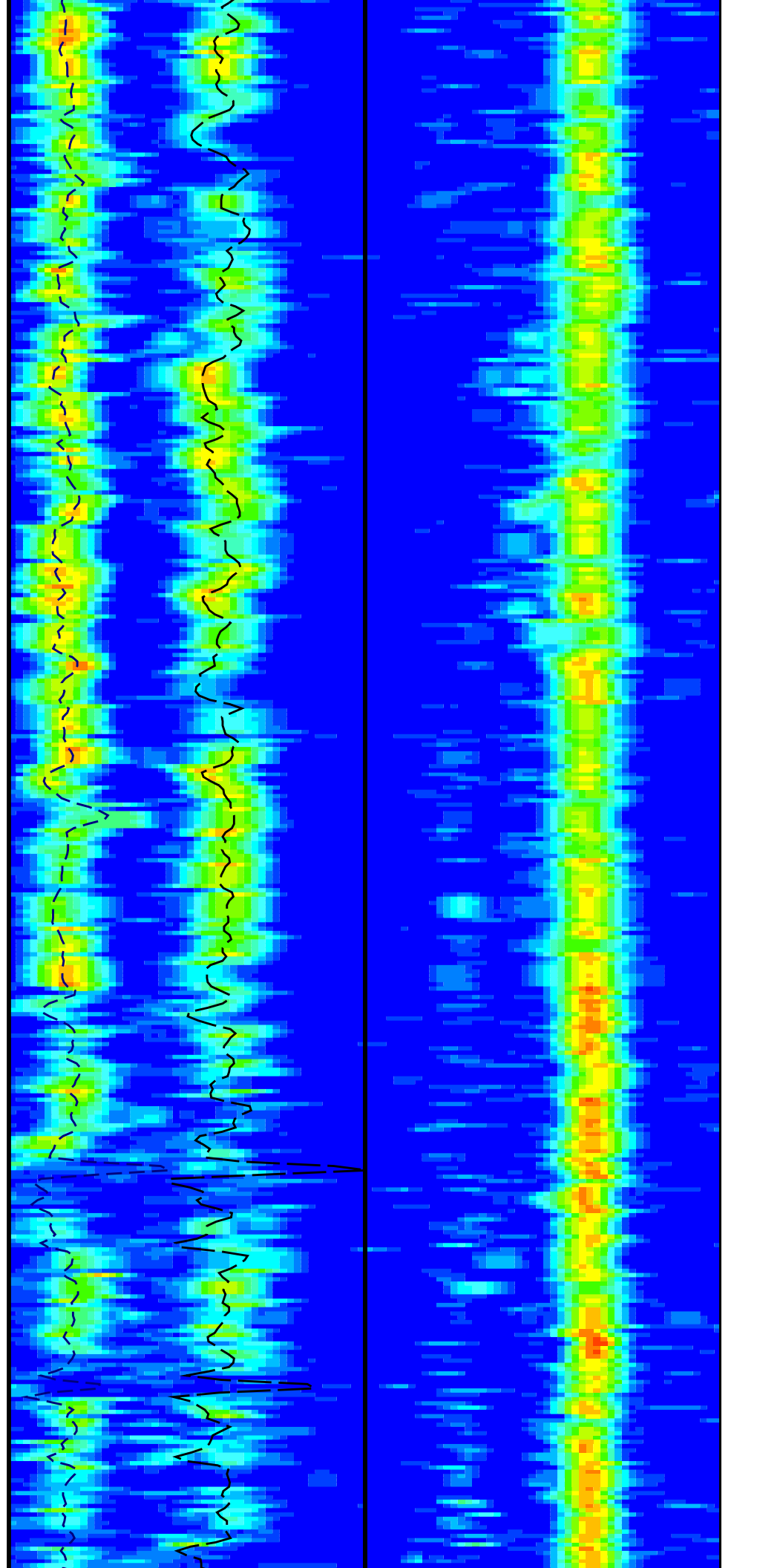
Uplong 1

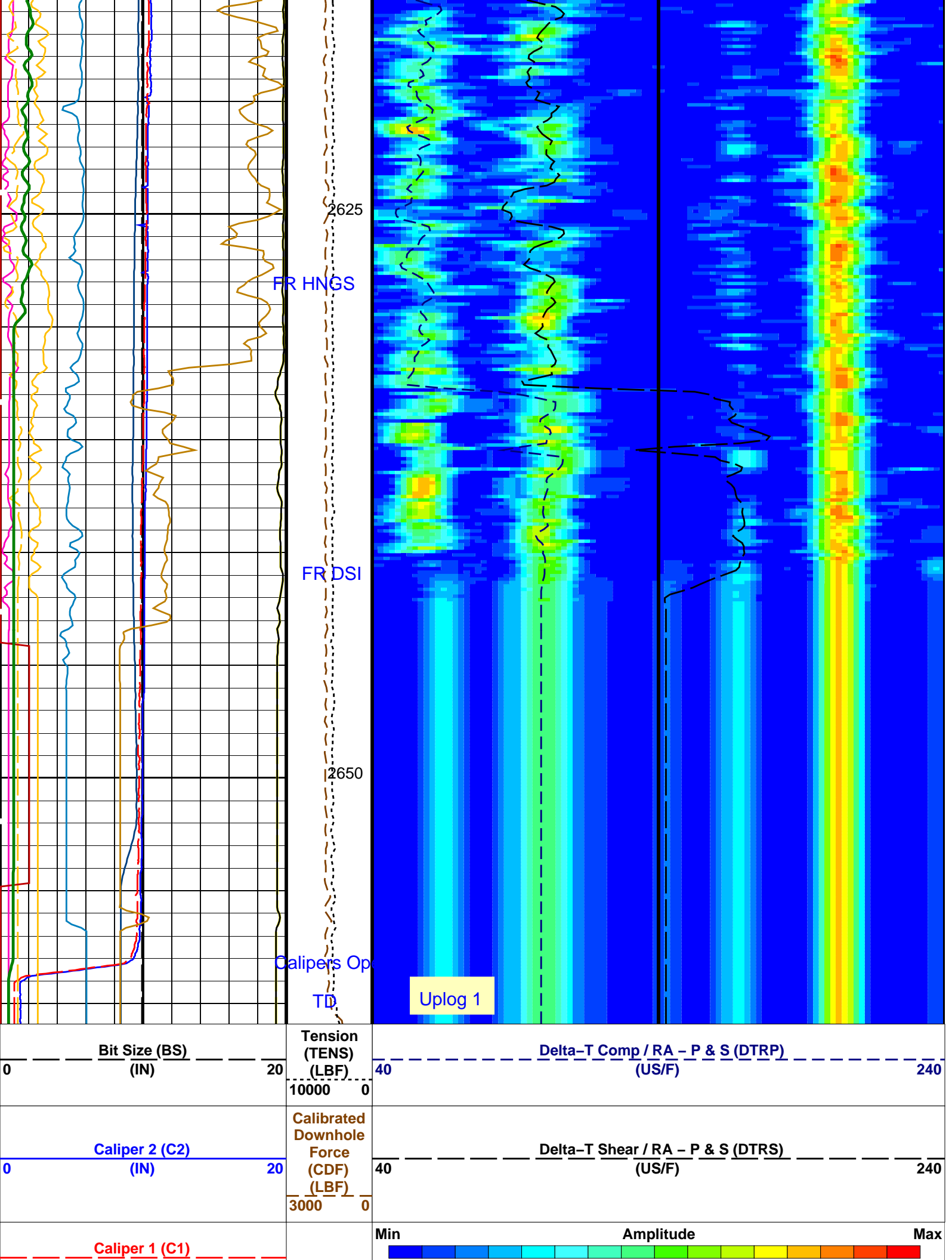




2575

2600





0	(IN)	20	40	Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	240
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			

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	-13.1567		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	40		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 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	70	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	195	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	
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	–0.00267641	
HALF	HNGBS Alpha Filter Length	60	IN
HCRB	HNGBS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
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	0.958559	
VBA2	HNGBS Detector 2 Variable Barite Factor Running Average	1.01896	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	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: 09–Jul–2021 03:18

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

DEFAULT FMS_DSI_NGS_023LUP FN:35 PRODUCER 09–Jul–2021 00:57 2660.9 M 2530.6 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:47	PRODUCER	09-Jul-2021 03:18
BACKUP	FMS_DSI_NGS_030PUP	FN:48	PRODUCER	09-Jul-2021 03:18

Company: International Ocean Discovery Program	Well: Expedition 395C, Site U1554F
--	------------------------------------

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:35	PRODUCER	09-Jul-2021 00:57	2660.9 M	2530.6 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:47	PRODUCER	09-Jul-2021 03:18	2660.9 M	2530.0 M
BACKUP	FMS_DSI_NGS_030PUP	FN:48	PRODUCER	09-Jul-2021 03:18	2660.9 M	2530.0 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)		Uplog 1	Data Button 8 – Varies with RBS (U-MEST_RB8)		<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>
------------------------------------	--	---------	--	--	---

2550

2600

G2
C1

BS

EI
EV
DEVIM

-10

90

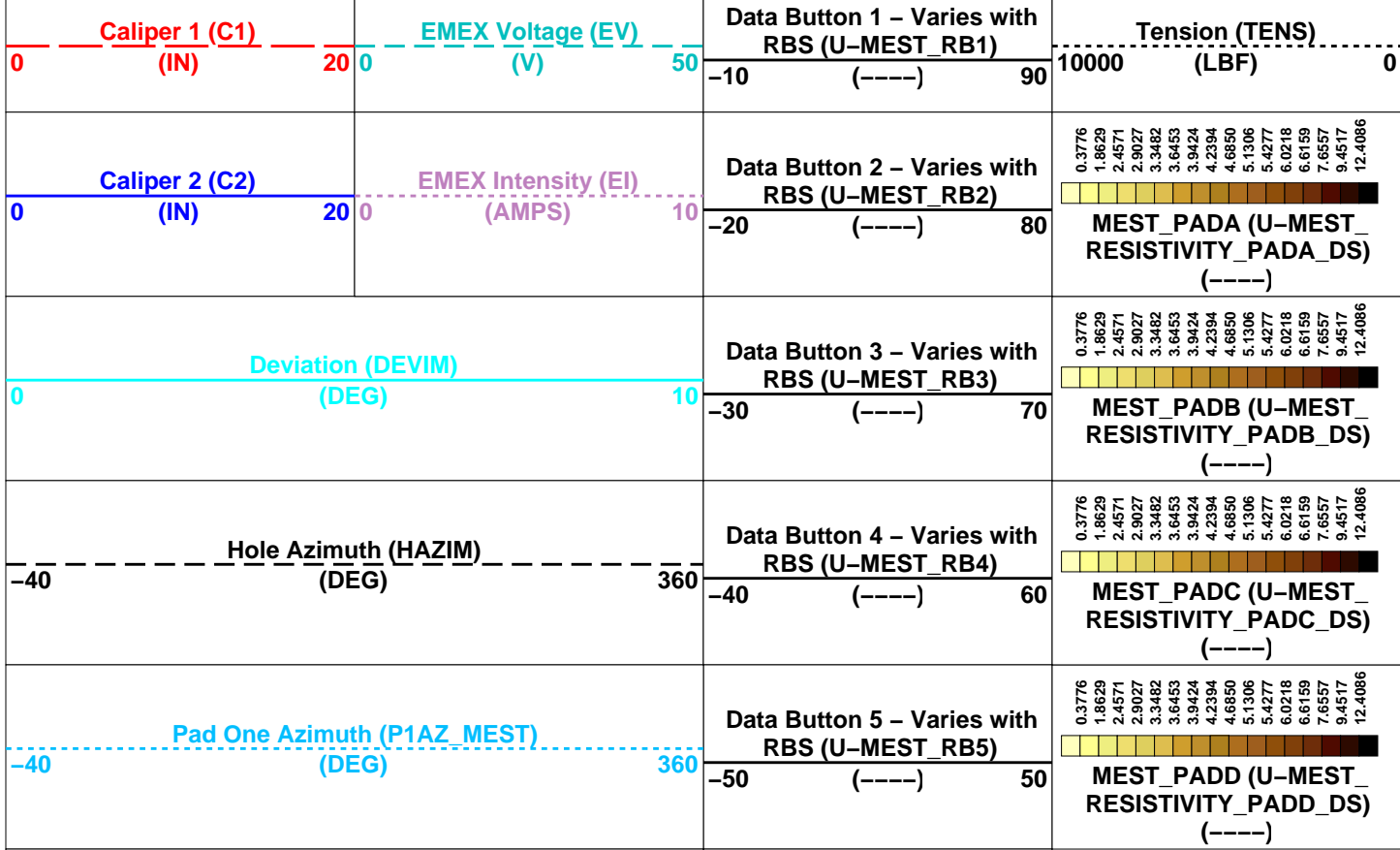
(LST)

FR HNGS

2650

TD

Calipers Opened Uplog 1



<div> <div>Relative Bearing (RB_MEST)</div> <div> <div>-40</div> <div>(DEG)</div> <div>360</div> </div> </div>		<div> <div>Data Button 6 – Varies with RBS (U-MEST_RB6)</div> <div> <div>-60</div> <div>(-----)</div> <div>40</div> </div> </div>
<div> <div>Bit Size (BS)</div> <div> <div>0</div> <div>(IN)</div> <div>20</div> </div> </div>		<div> <div>Data Button 7 – Varies with RBS (U-MEST_RB7)</div> <div> <div>-70</div> <div>(-----)</div> <div>30</div> </div> </div>
<div> <div>HNGS Computed Gamma Ray (HCGR)</div> <div> <div>0</div> <div>(GAPI)</div> <div>100</div> </div> </div>		<div> <div>Data Button 8 – Varies with RBS (U-MEST_RB8)</div> <div> <div>-80</div> <div>(-----)</div> <div>20</div> </div> </div>
<div> <div>HNGS Spectroscopy Gamma Ray (HSGR)</div> <div> <div>0</div> <div>(GAPI)</div> <div>100</div> </div> </div>		

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	-13.1567	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	-0.00267641	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958559	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.01896	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	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: 09-Jul-2021 03:18

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					
DEFAULT	FMS_DSI_NGS_023LUP	FN:35	PRODUCER	09-Jul-2021 00:57	2660.9 M 2530.6 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:47	PRODUCER	09-Jul-2021 03:18
BACKUP	FMS_DSI_NGS_030PUP	FN:48	PRODUCER	09-Jul-2021 03:18

Input DLIS Files

DEFAULT	FMS_DSI_NGS_024LUP	FN:37	PRODUCER	09-Jul-2021 01:29	2660.9 M	1871.9 M
---------	--------------------	-------	----------	-------------------	----------	----------

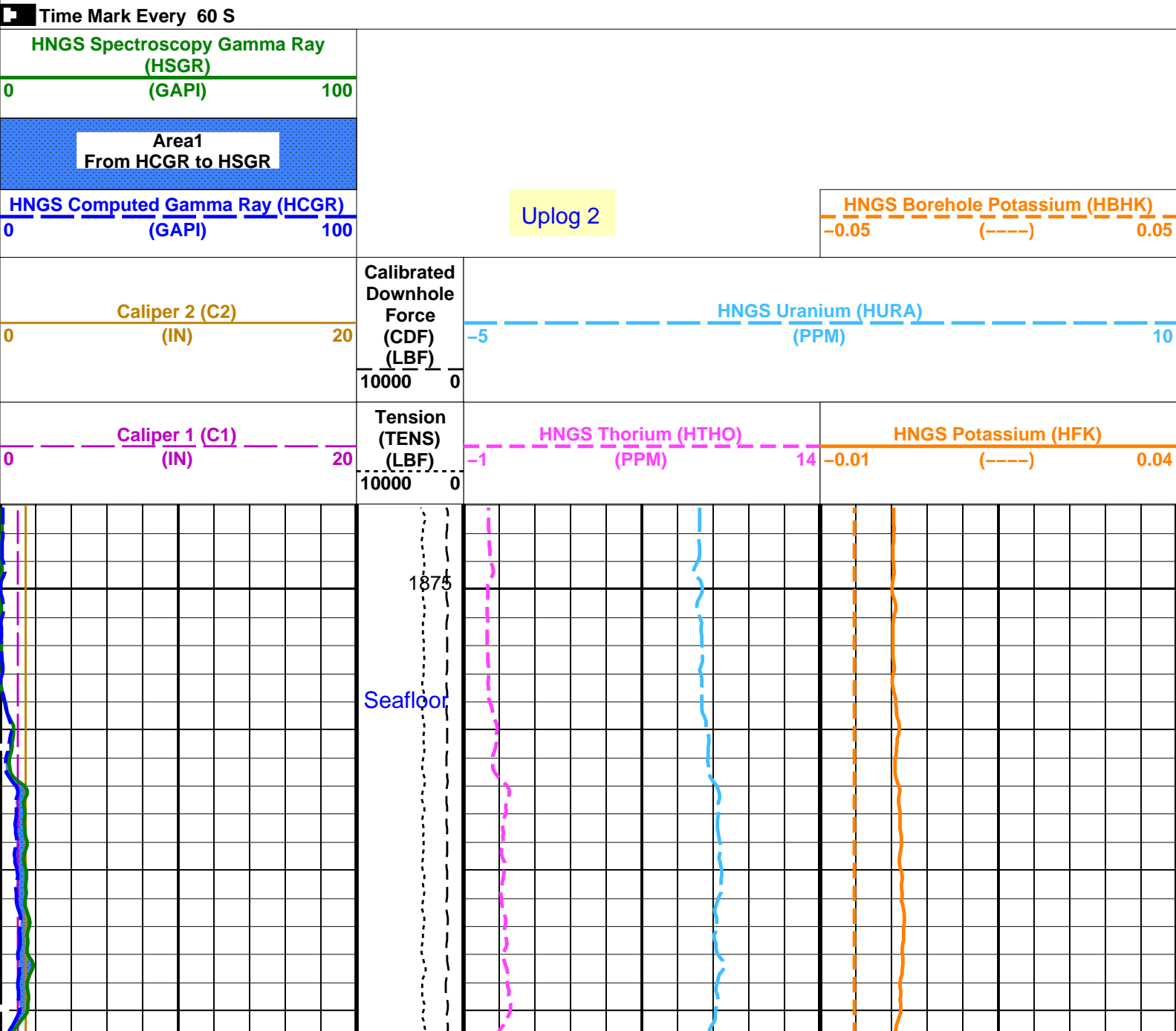
Output DLIS Files

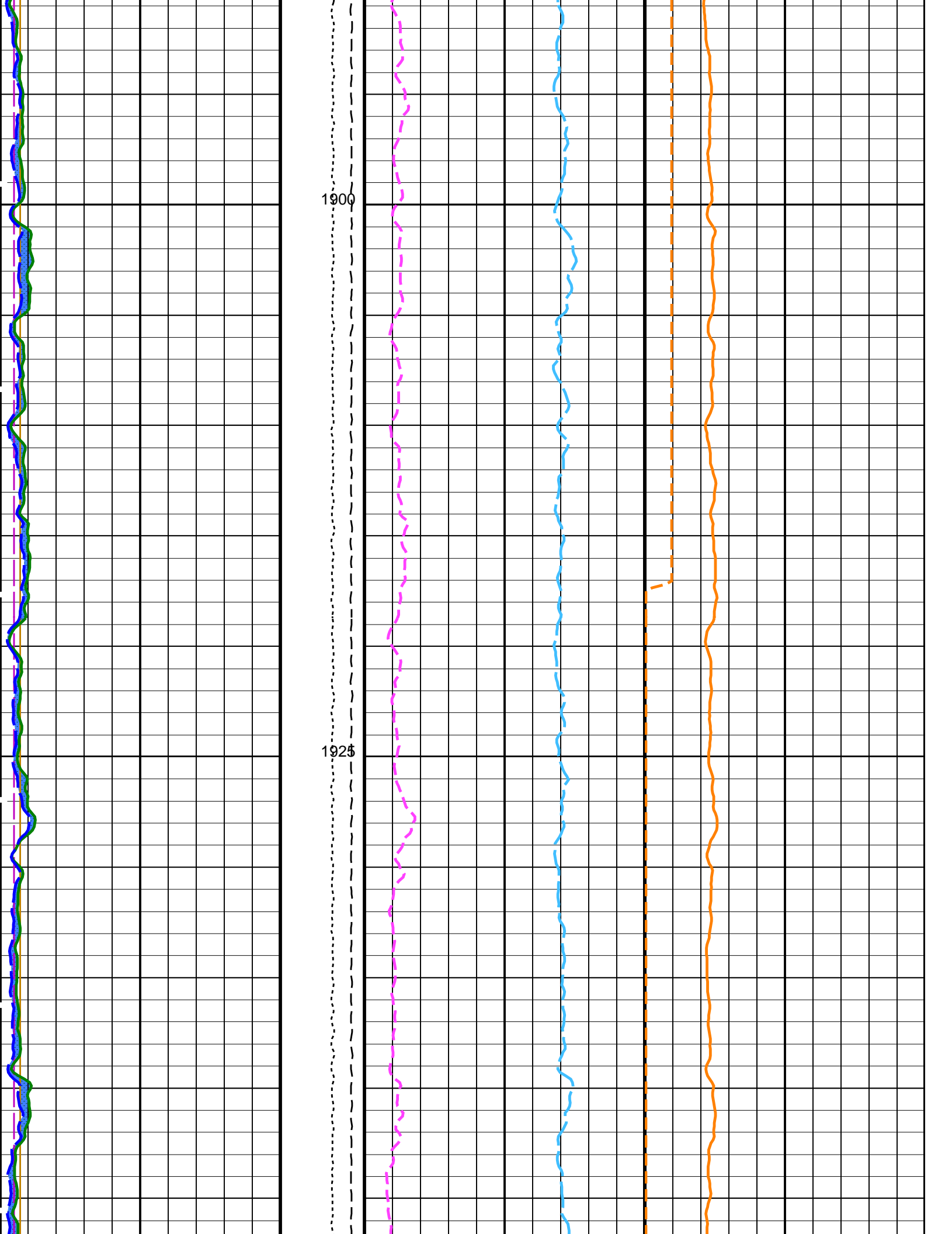
DEFAULT	FMS_DSI_NGS_031PUP	FN:49	PRODUCER	09-Jul-2021 03:19	2660.9 M	1871.9 M
BACKUP	FMS_DSI_NGS_031PUP	FN:50	PRODUCER	09-Jul-2021 03:19	2660.9 M	1871.9 M

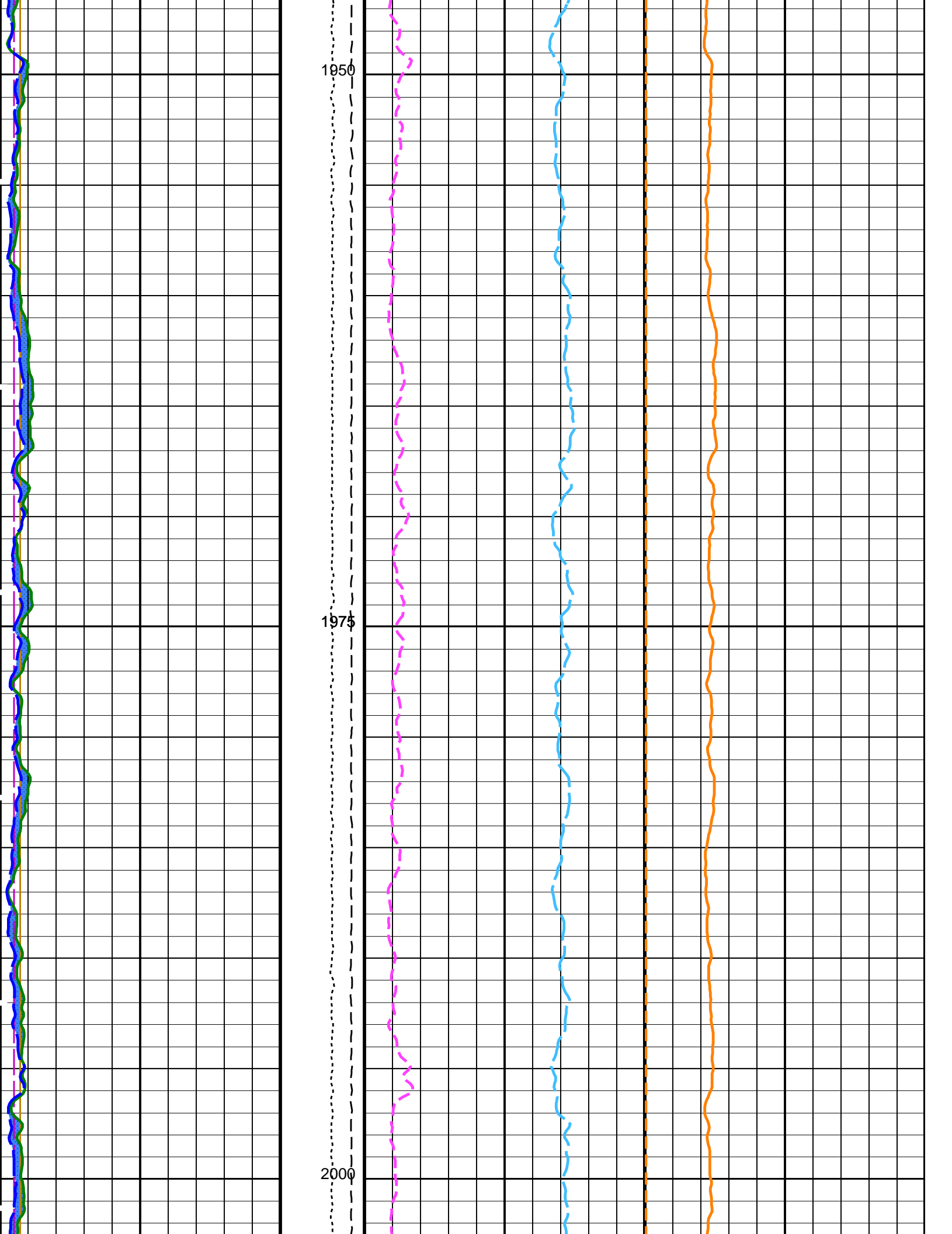
OP System Version: 19C0-187

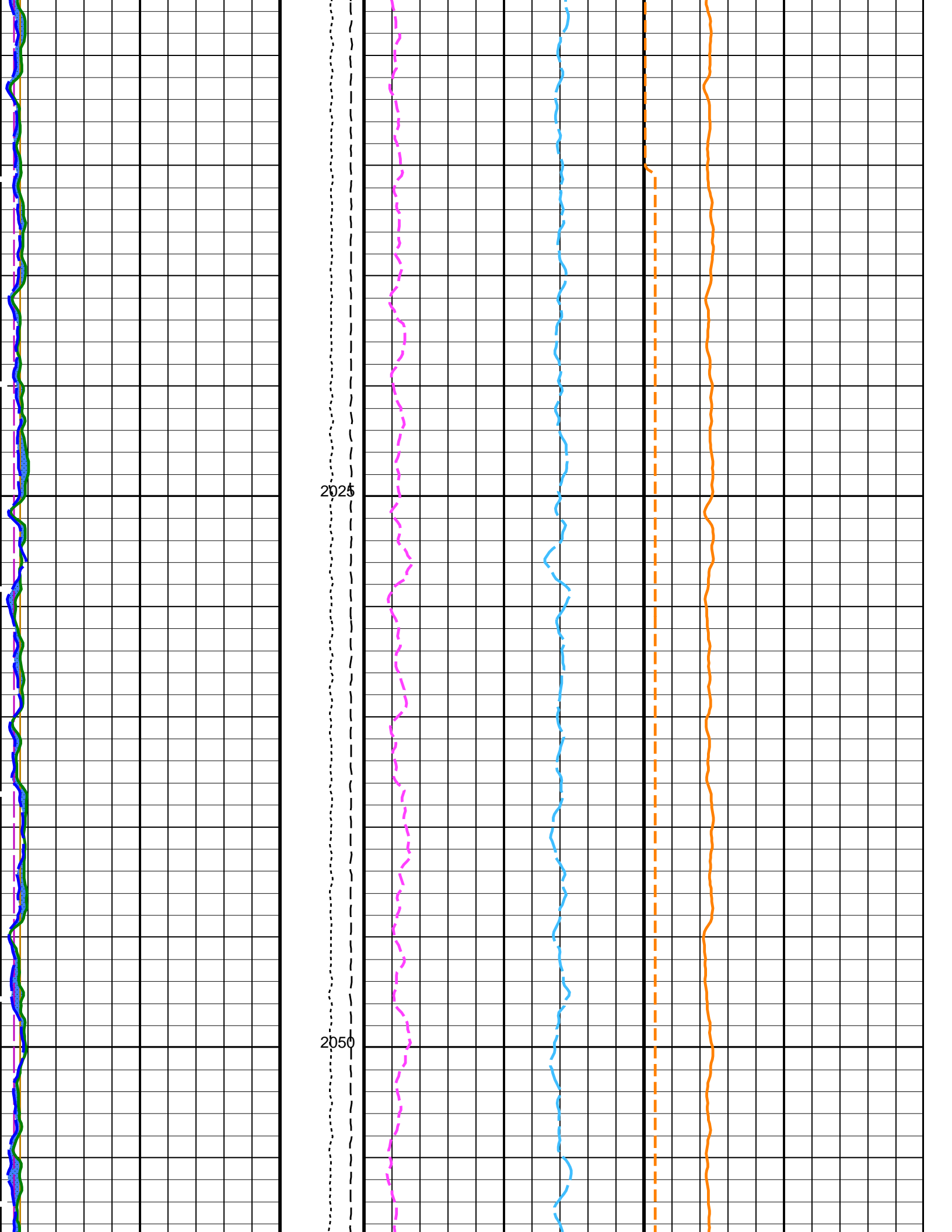
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

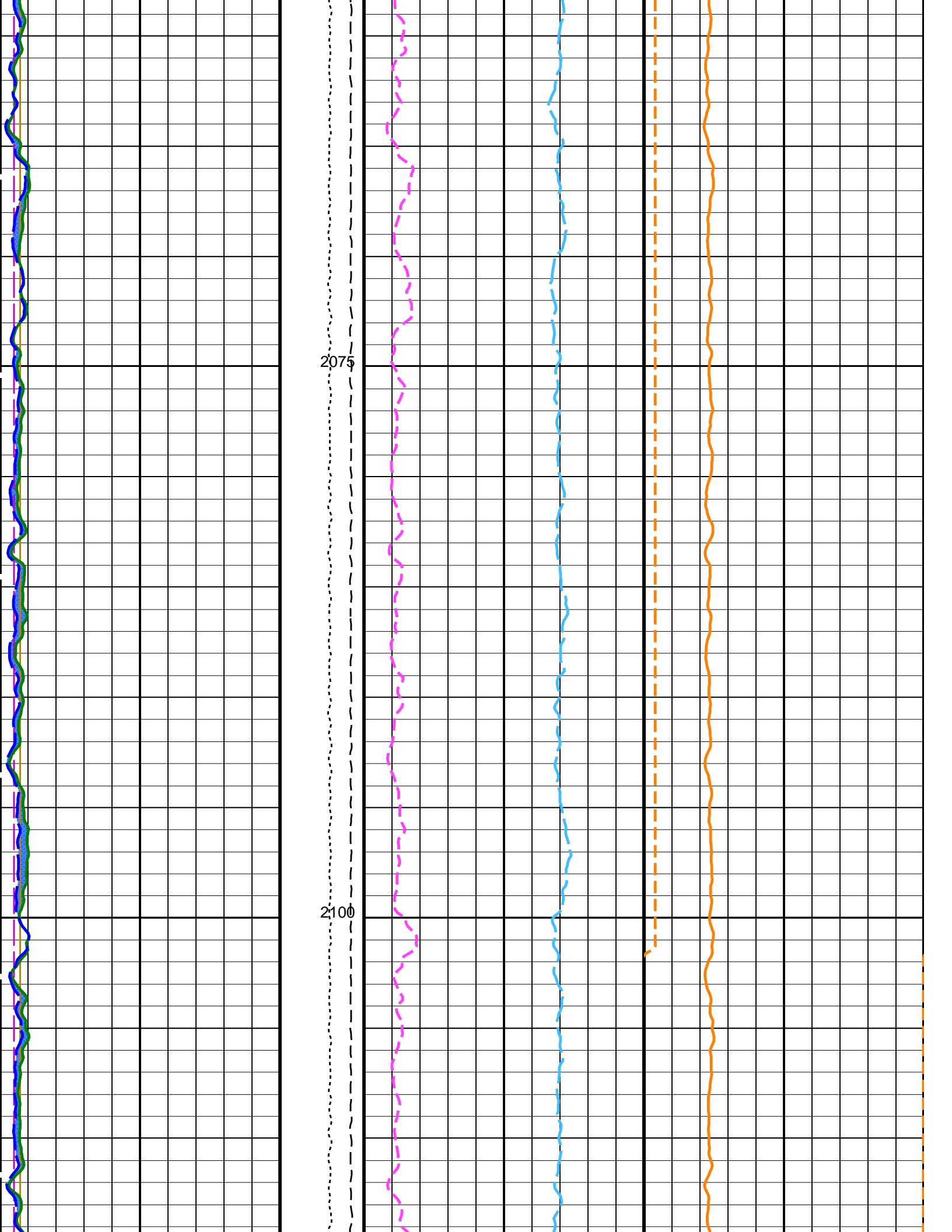
PIP SUMMARY

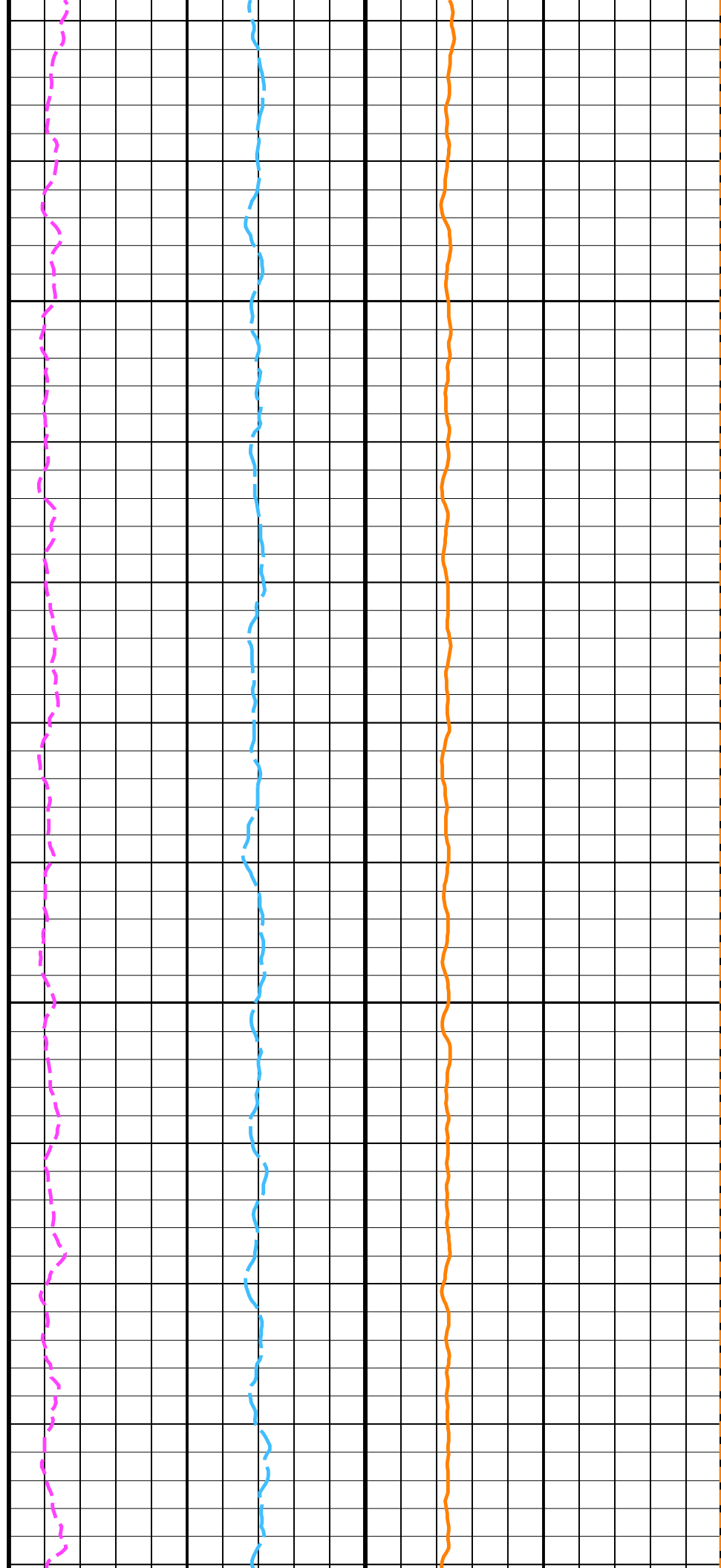
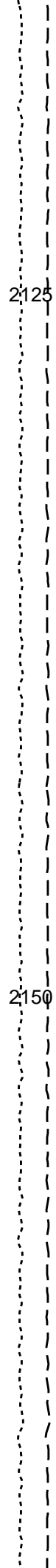
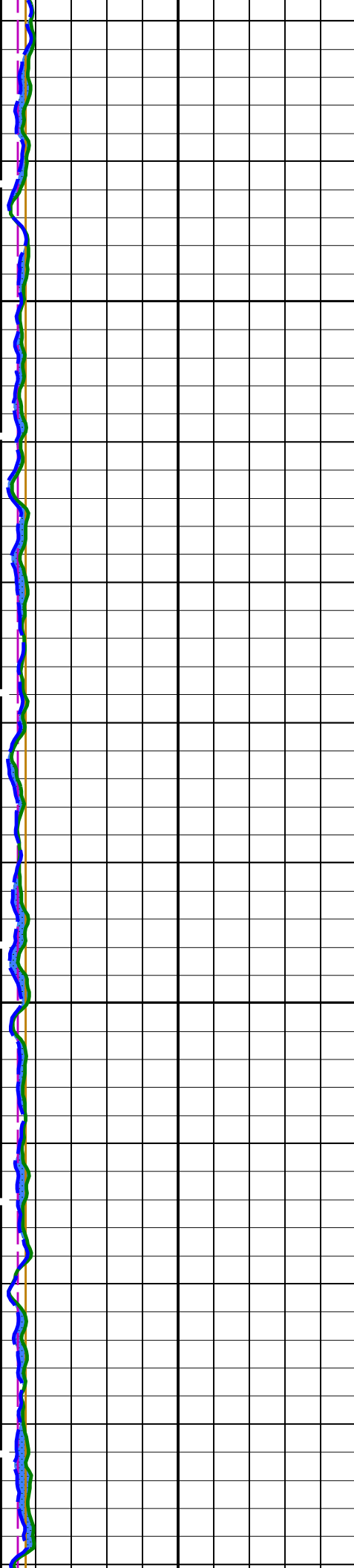


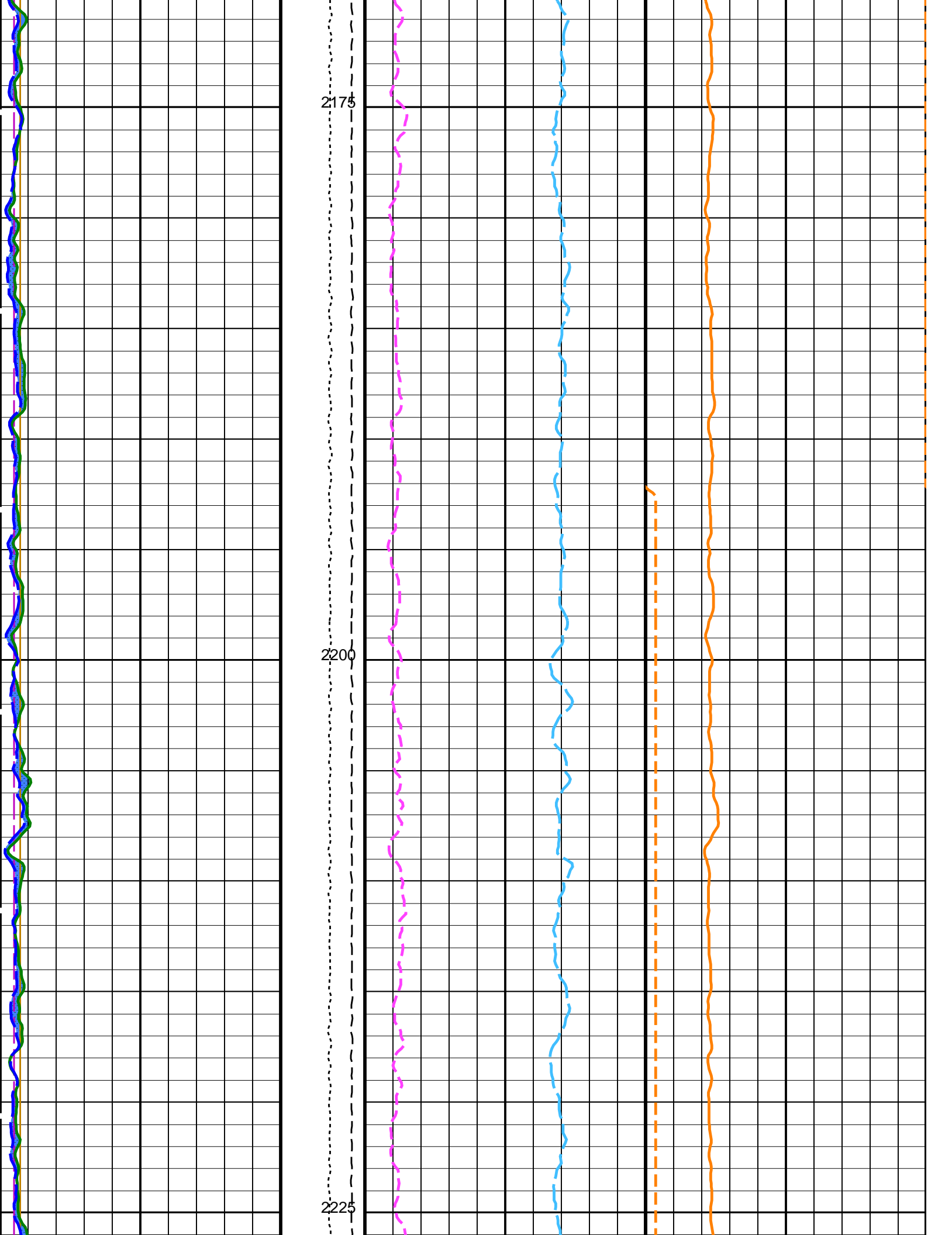


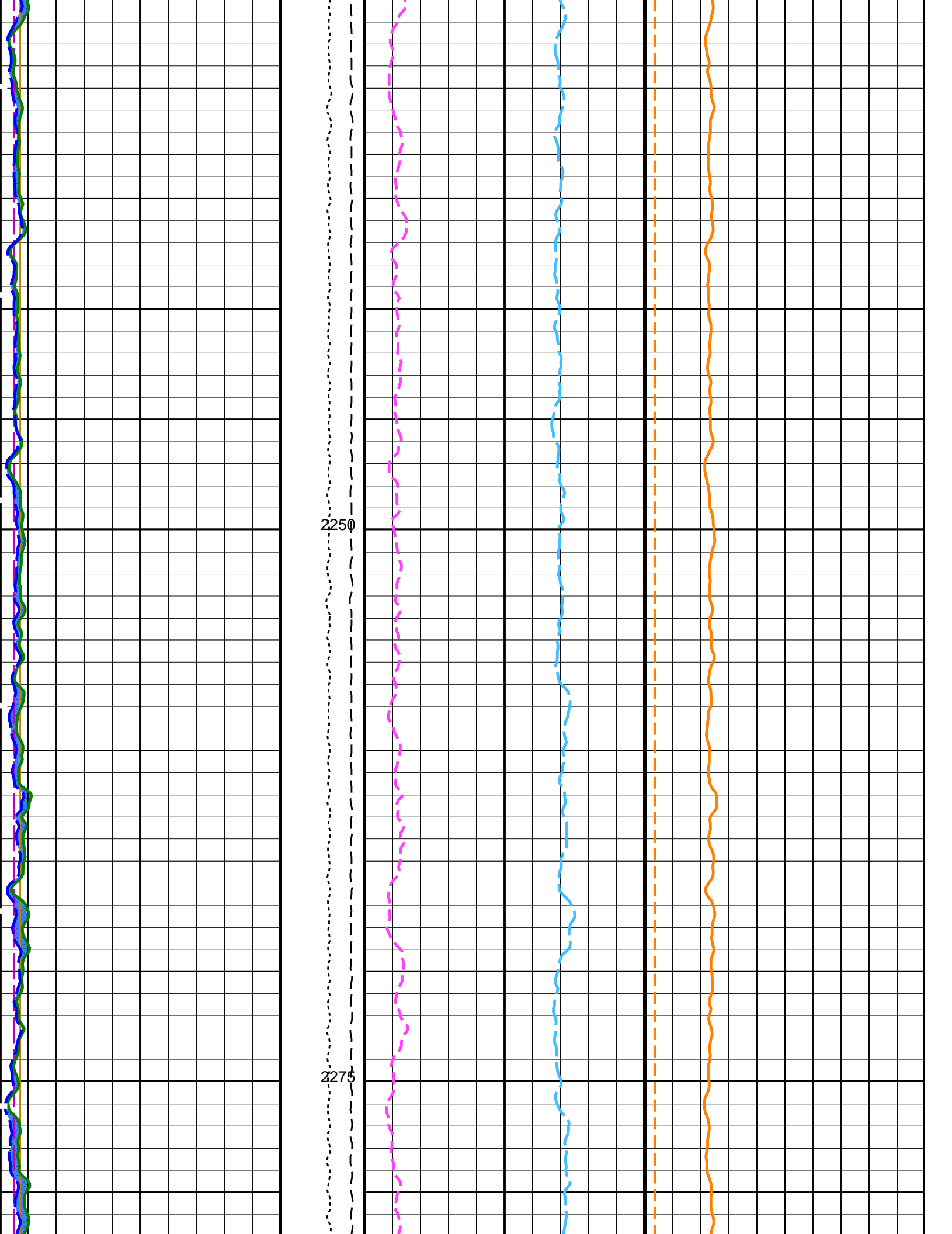


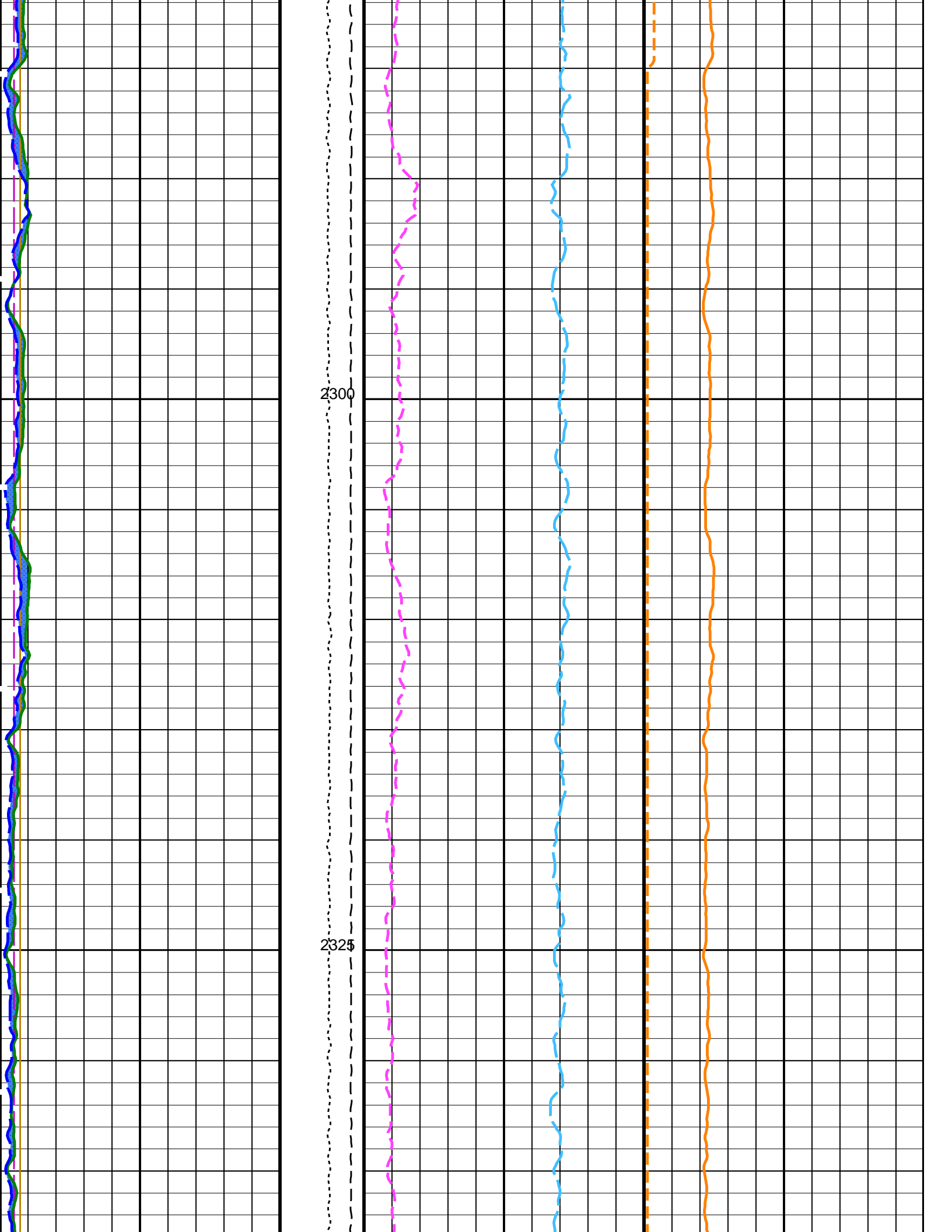


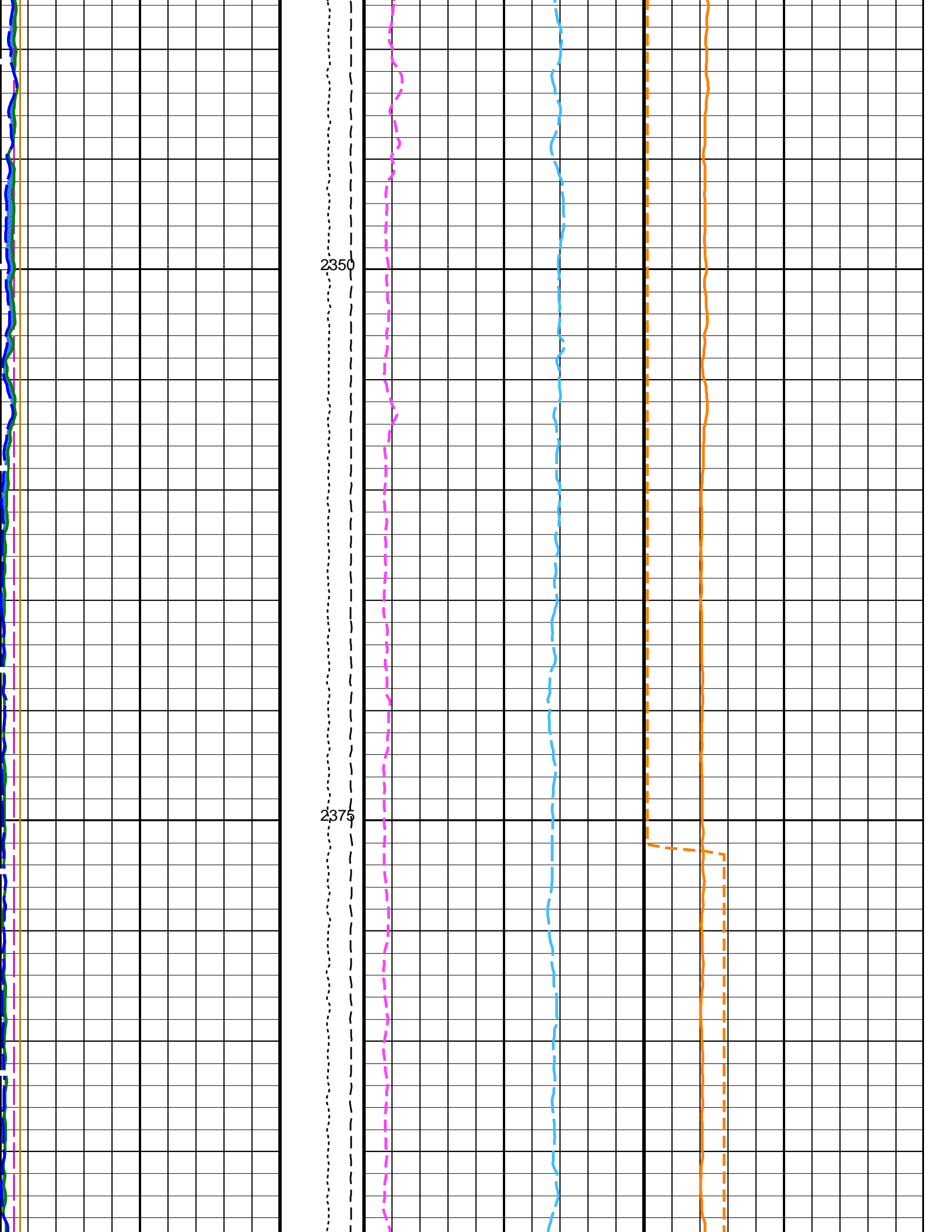


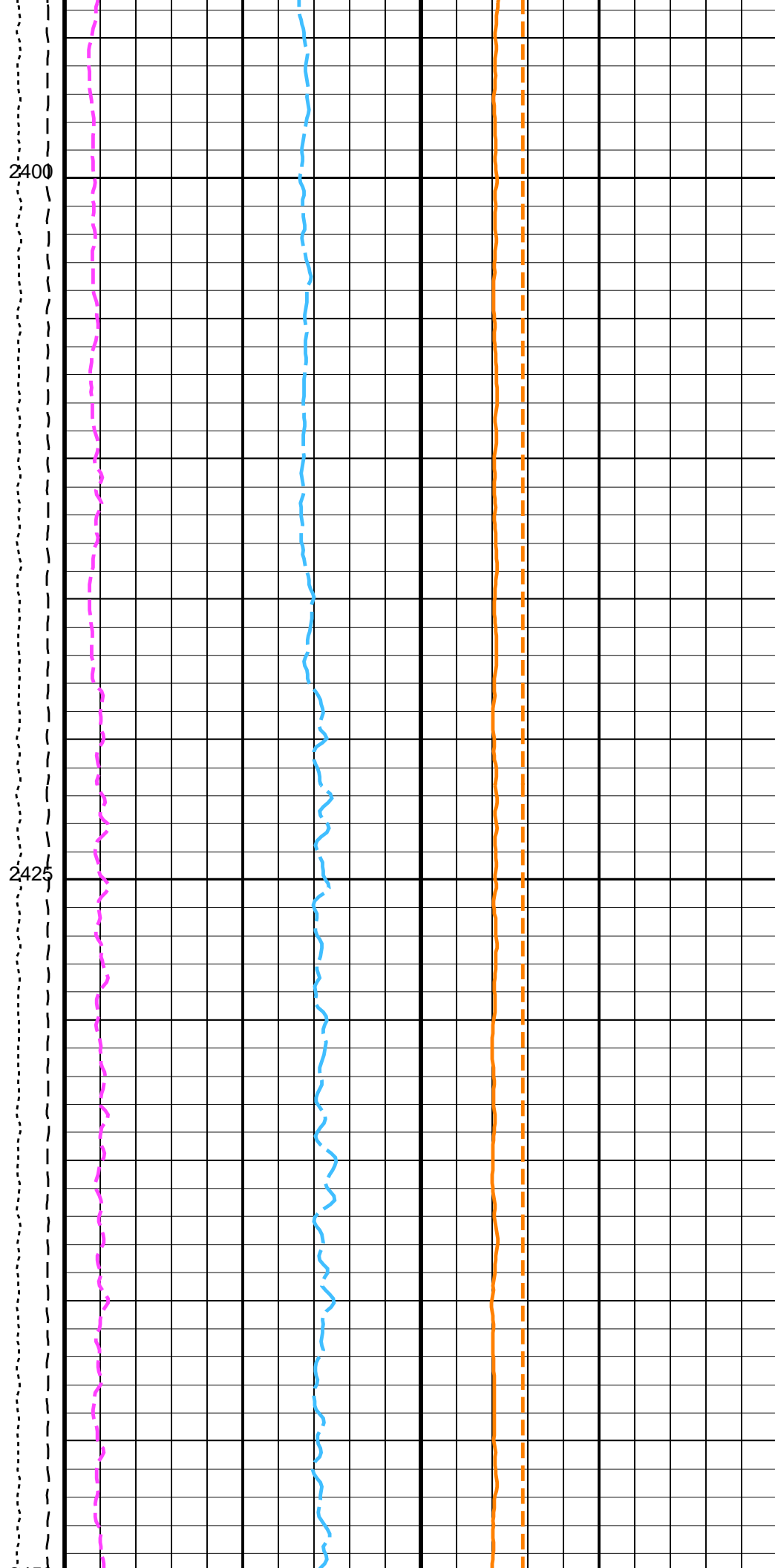
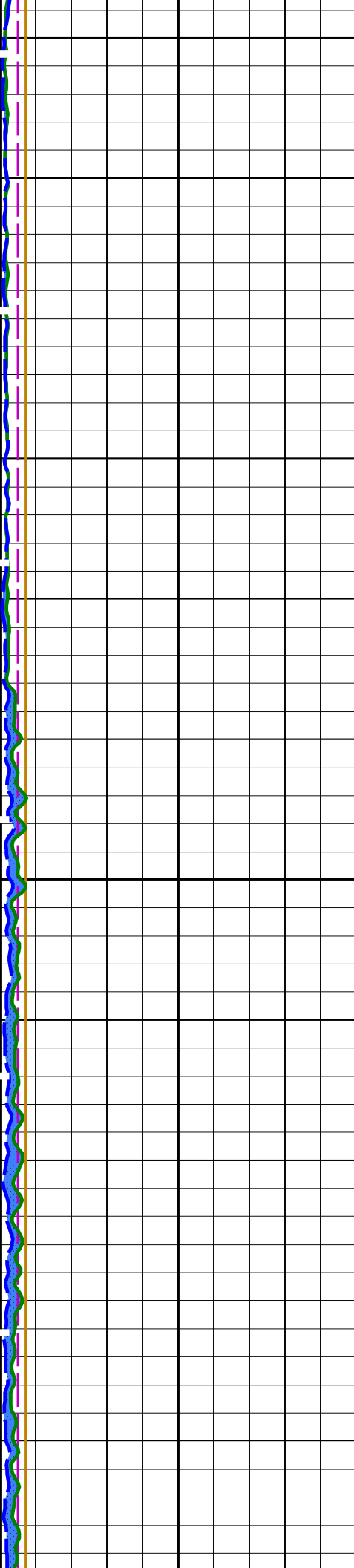


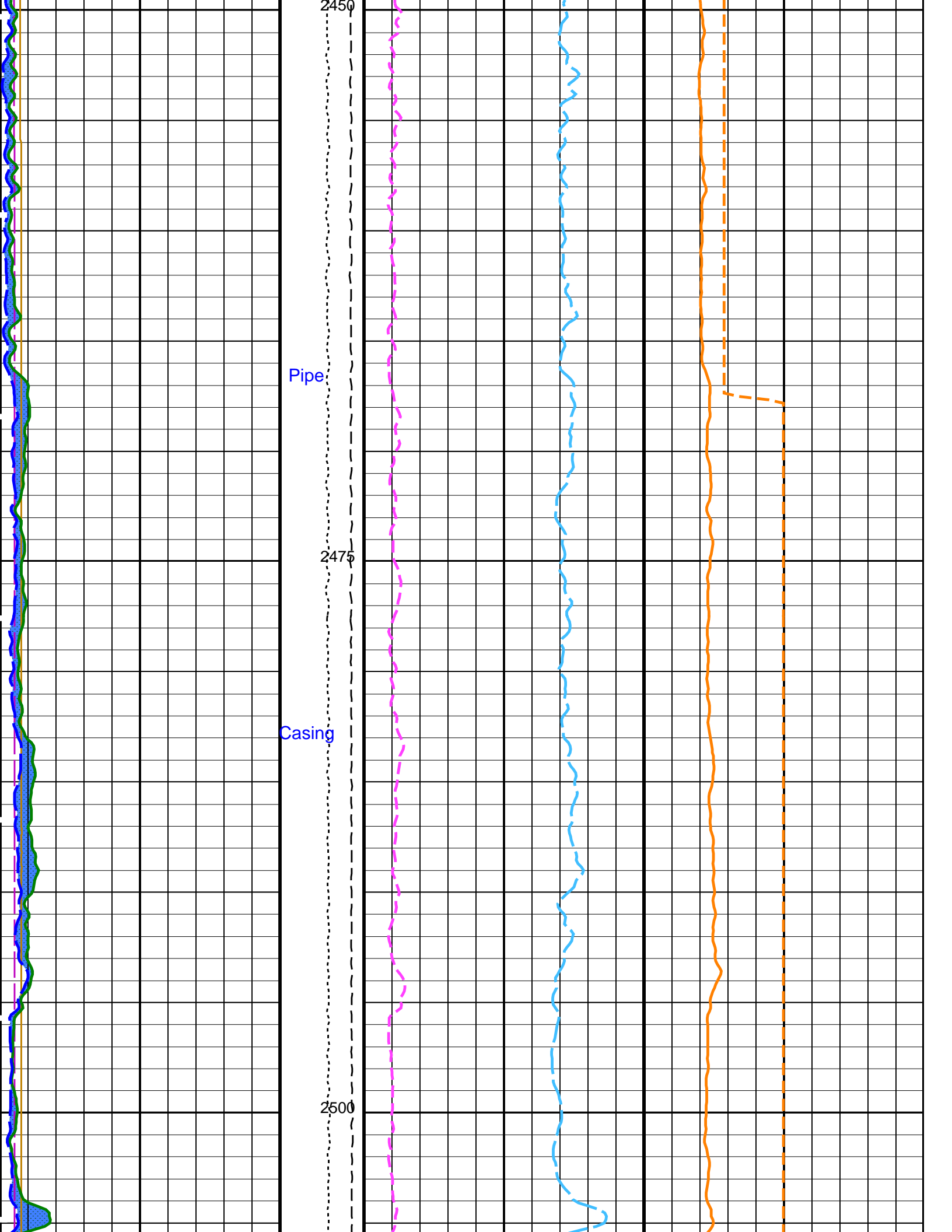


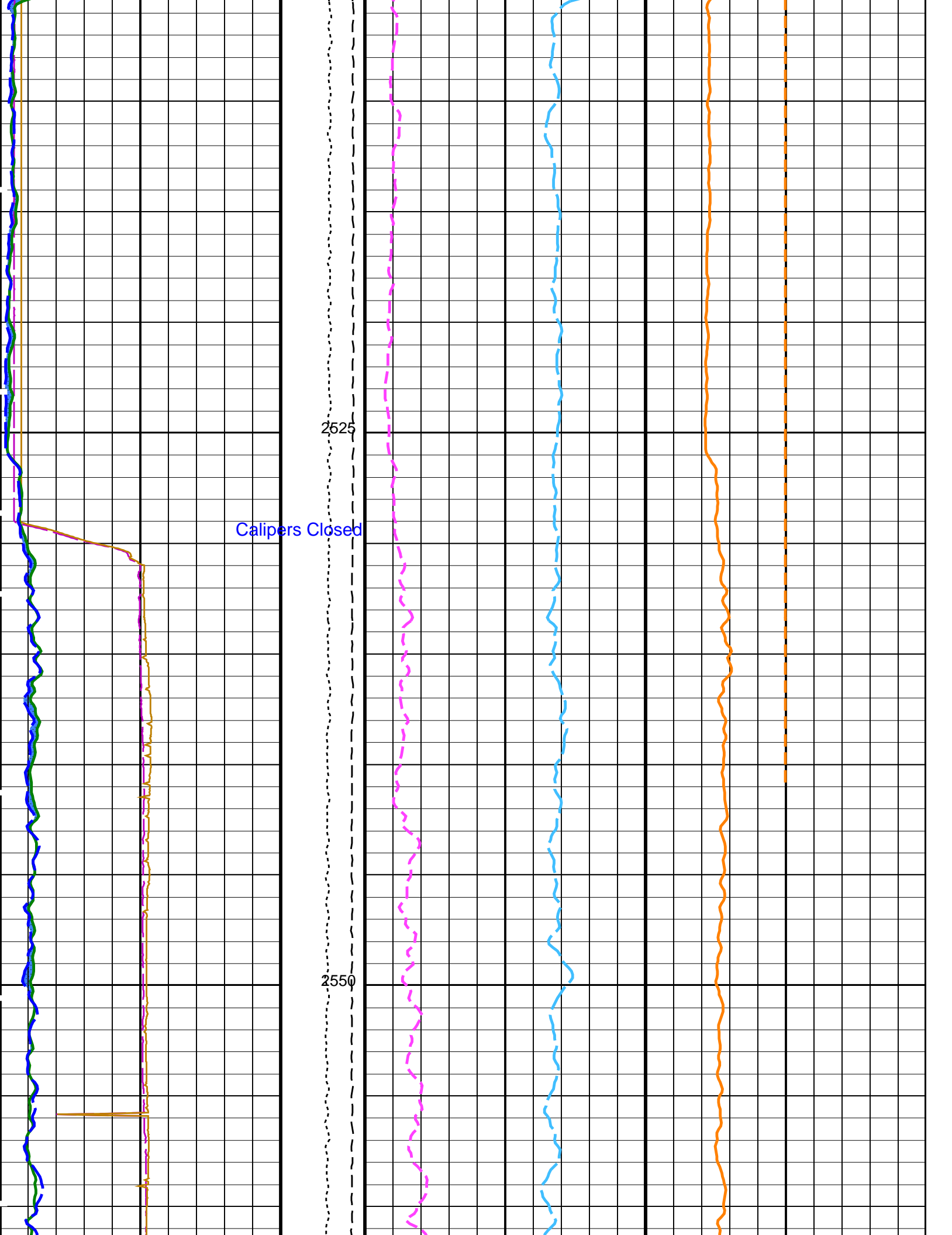


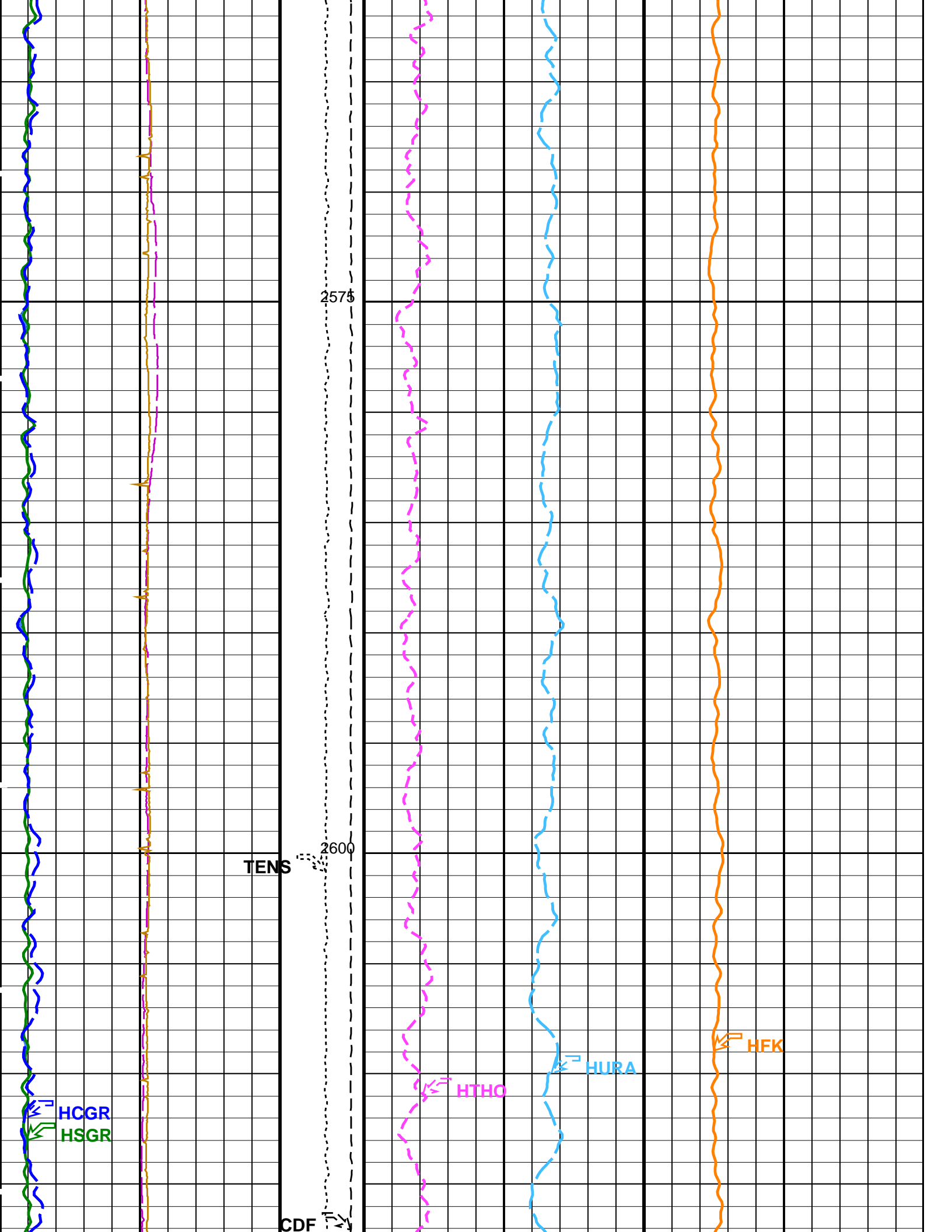


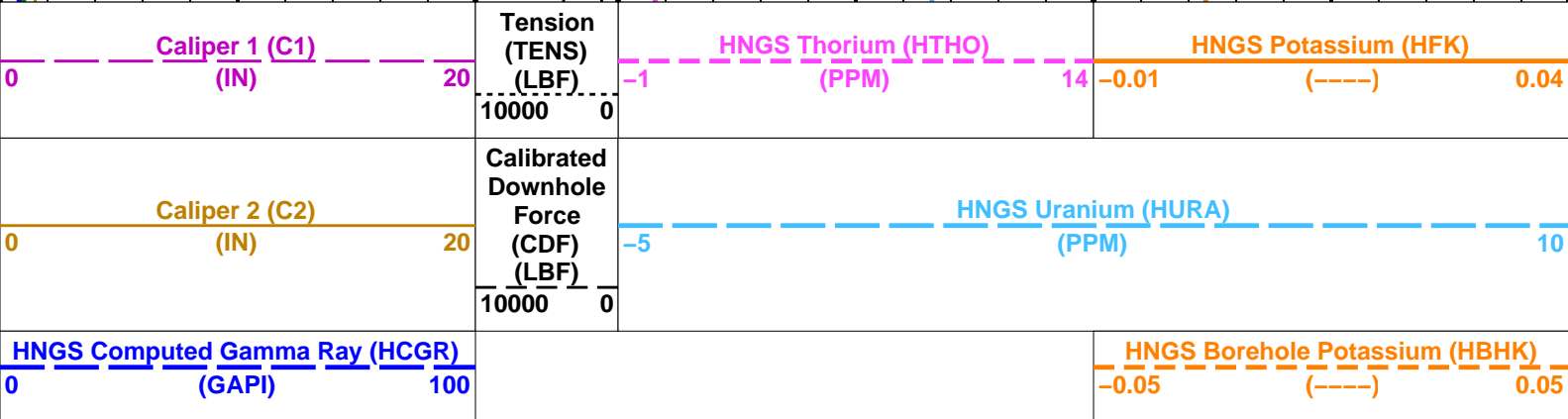
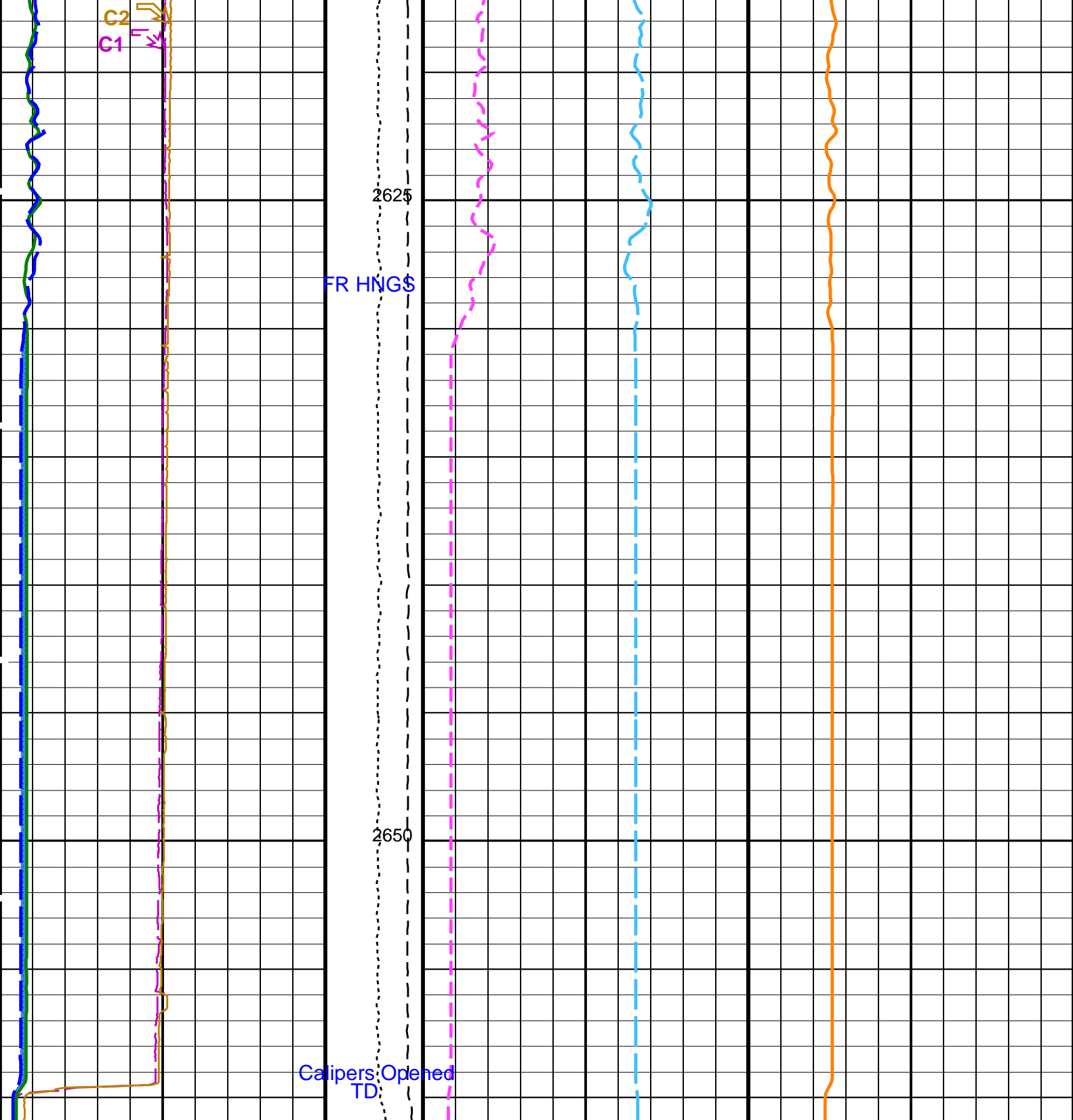












From HCGR to HSGR	
HNGS Spectroscopy Gamma Ray (HSGR)	
0 (GAPI)	100

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	–0.000830234	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958872	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.97138	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 09–Jul–2021 03:19
--------------------	-----------------------	--

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						
DEFAULT	FMS_DSI_NGS_024LUP	FN:37	PRODUCER	09–Jul–2021 01:29	2660.9 M	1871.9 M
Output DLIS Files						
DEFAULT	FMS_DSI_NGS_031PUP	FN:49	PRODUCER	09–Jul–2021 03:19		
BACKUP	FMS_DSI_NGS_031PUP	FN:50	PRODUCER	09–Jul–2021 03:19		

Input DLIS Files						
DEFAULT	FMS_DSI_NGS_024LUP	FN:37	PRODUCER	09–Jul–2021 01:29	2660.9 M	1871.9 M
Output DLIS Files						
DEFAULT	FMS_DSI_NGS_031PUP	FN:49	PRODUCER	09–Jul–2021 03:19	2660.9 M	1871.9 M
BACKUP	FMS_DSI_NGS_031PUP	FN:50	PRODUCER	09–Jul–2021 03:19	2660.9 M	1871.9 M

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

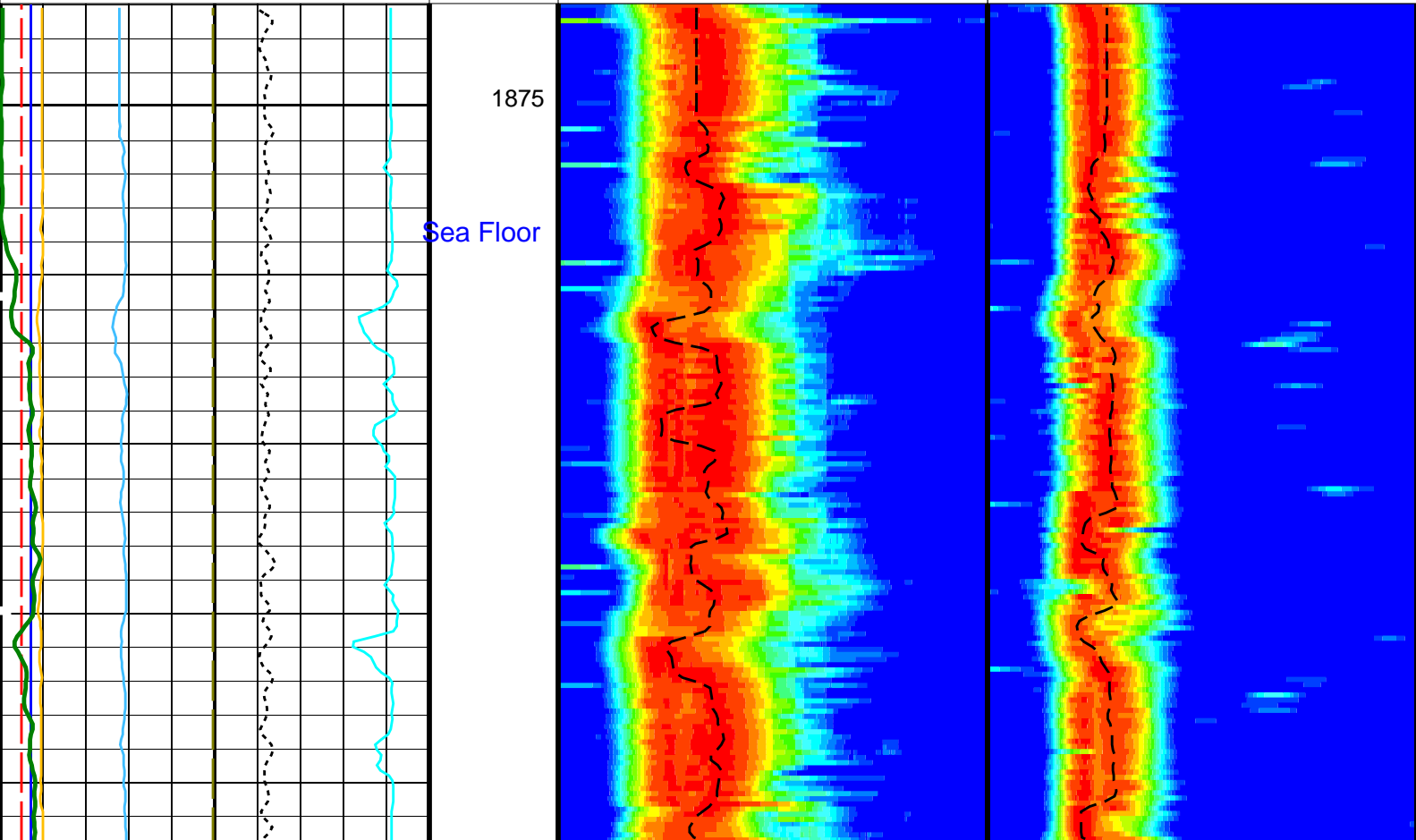
PIP SUMMARY

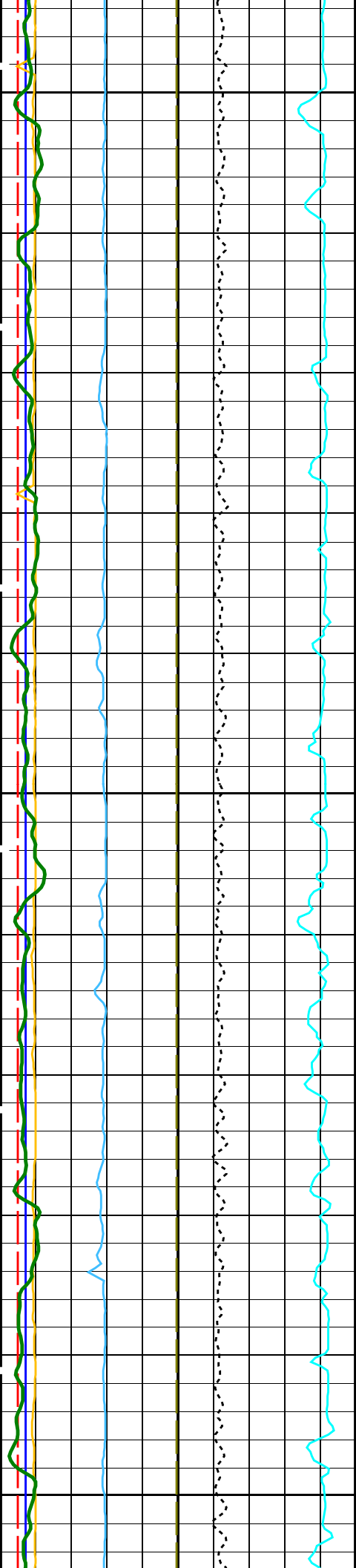
Time Mark Every 60 S

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) (M/S)		
1000		6000
Caliper 2 (C2) (IN)		
0		20
Caliper 1 (C1) (IN)		
0		20
Bit Size (BS) (IN)		
0		20

Uplog 2

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
Delta-T Shear / RA – Lower Dipole (DT1R) (US/F)			Delta-T Shear / RA – Upper Dipole (DT2R) (US/F)		
40		1040	40		1040

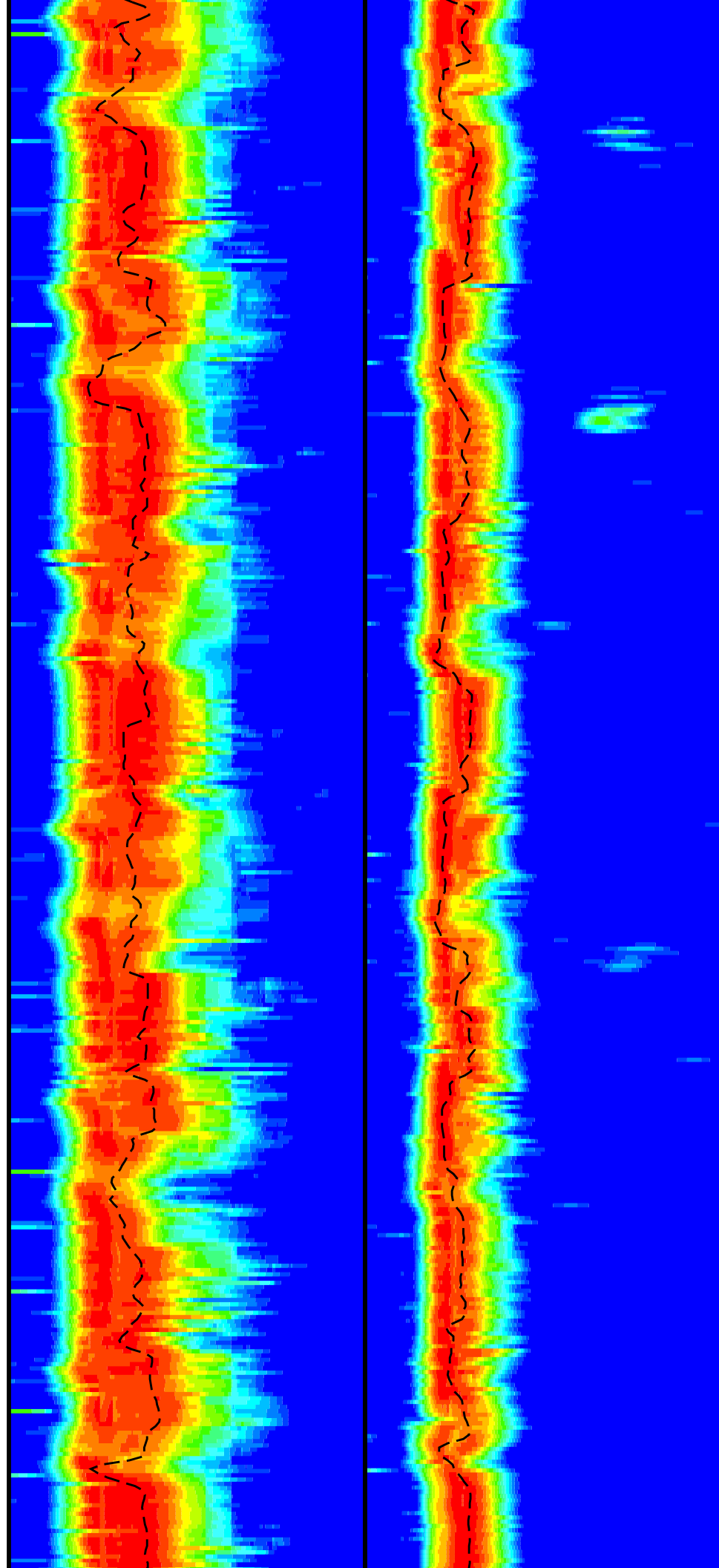


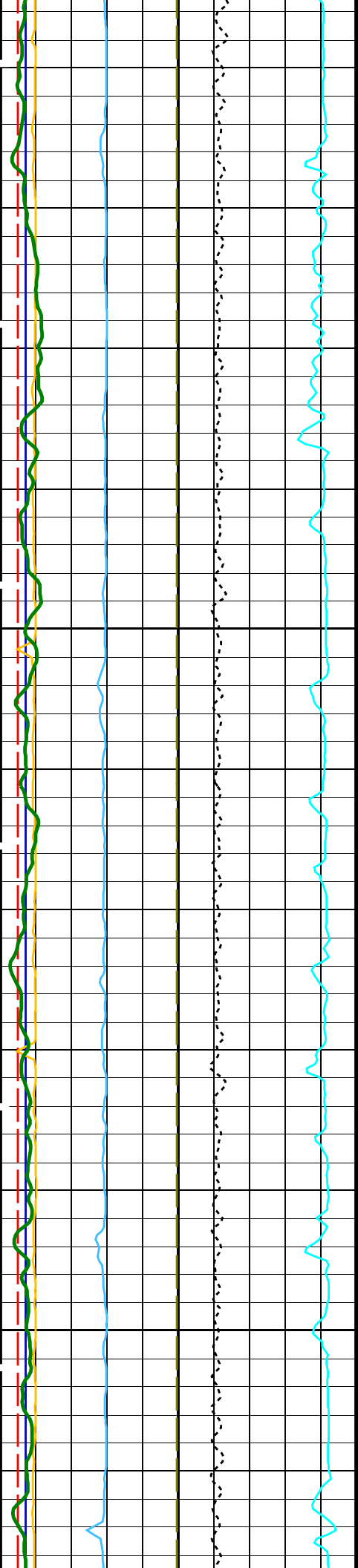


1900

1925

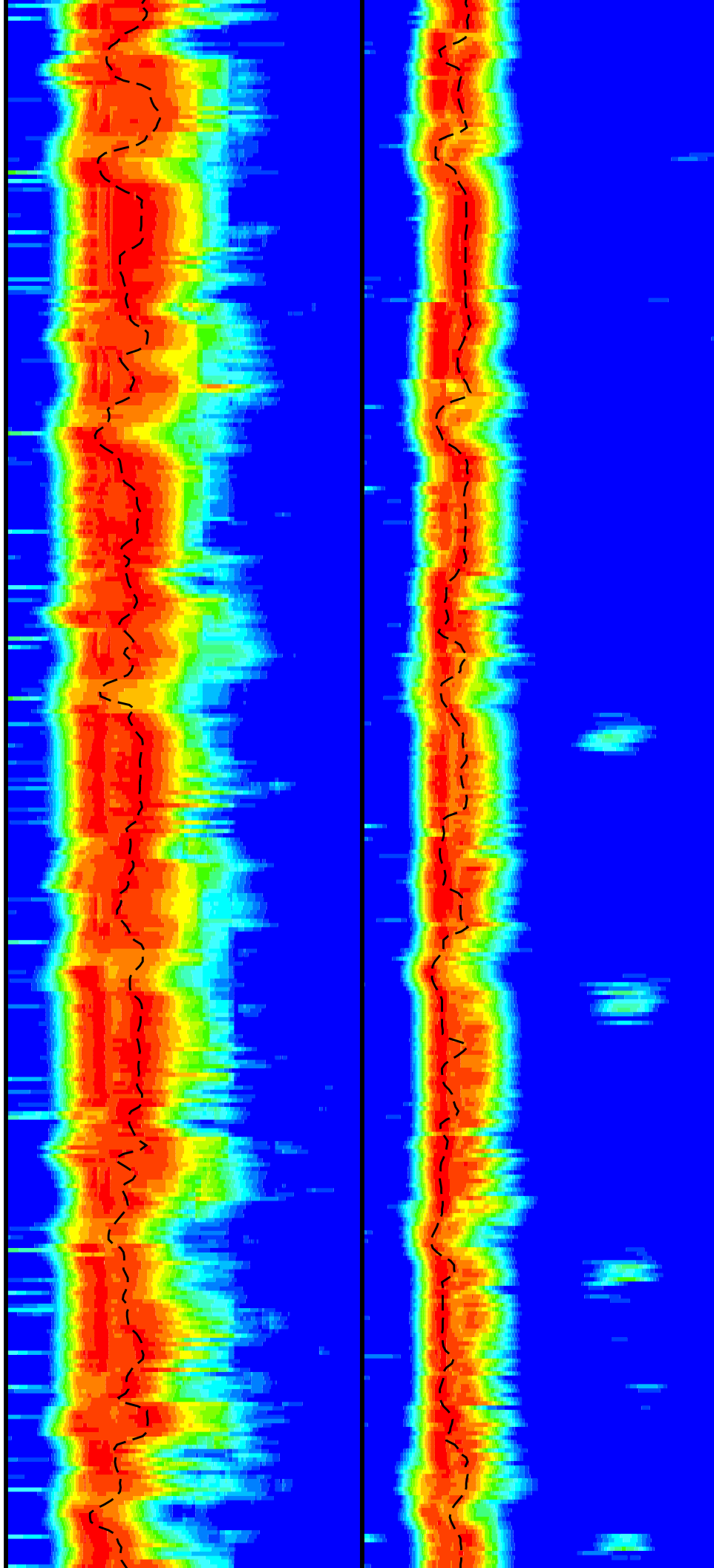
1950

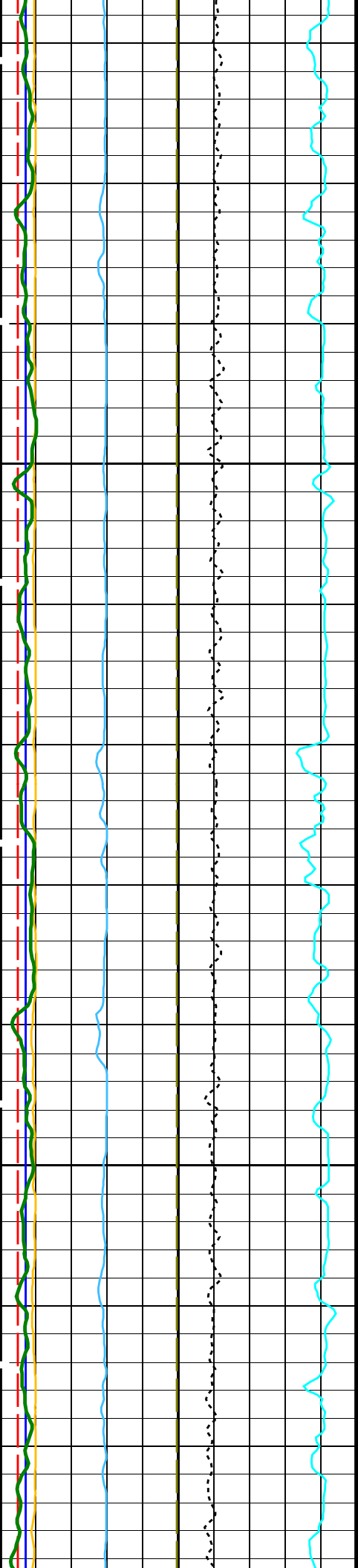




1975

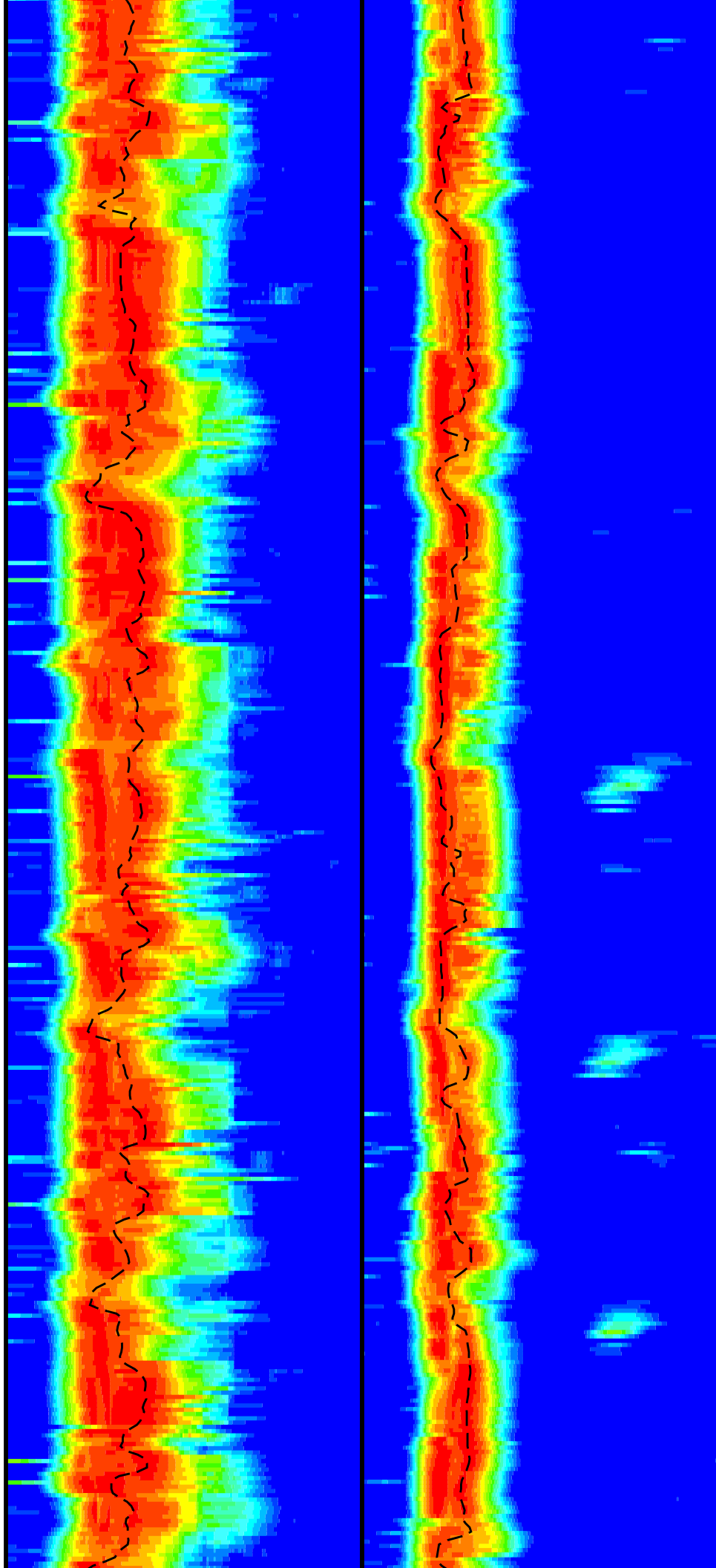
2000

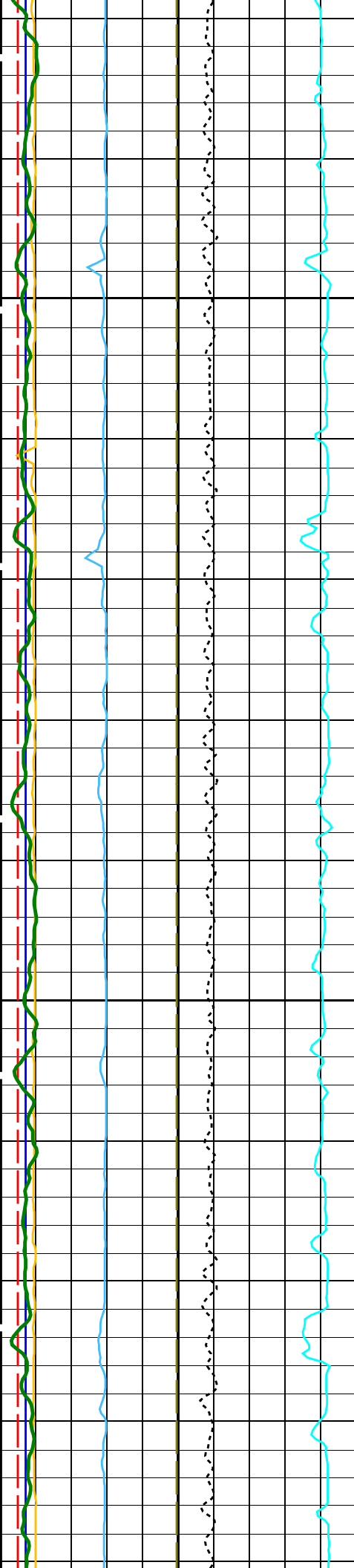




2025

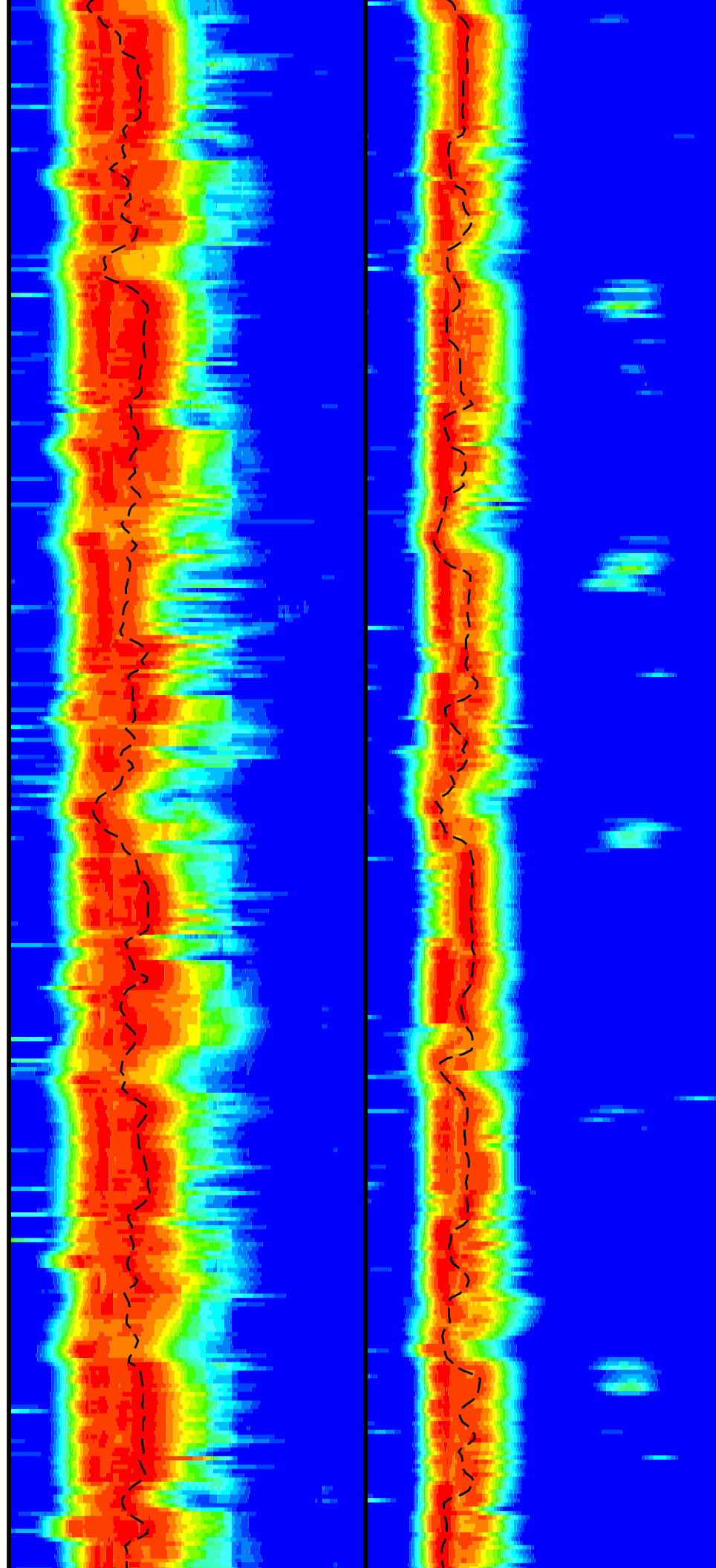
2050

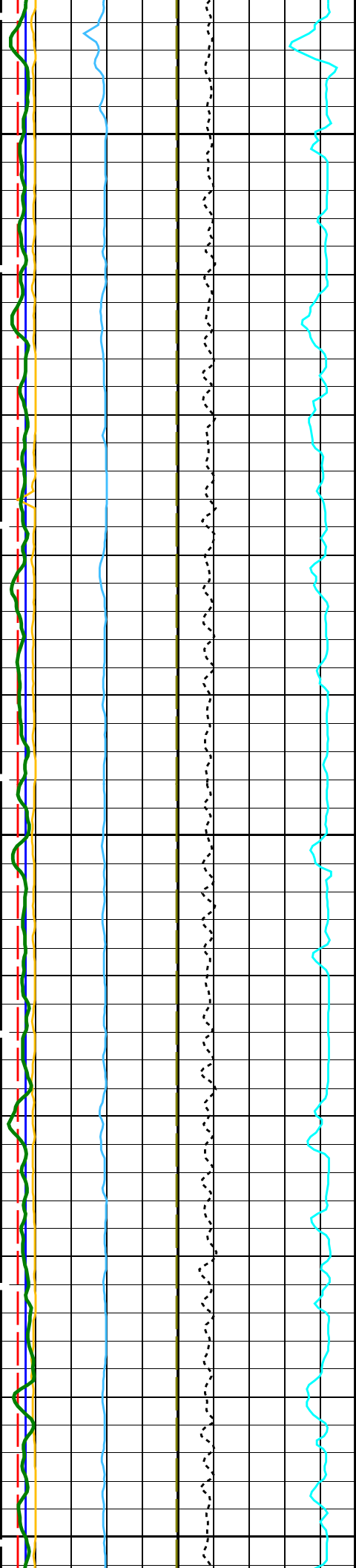




2075

2100

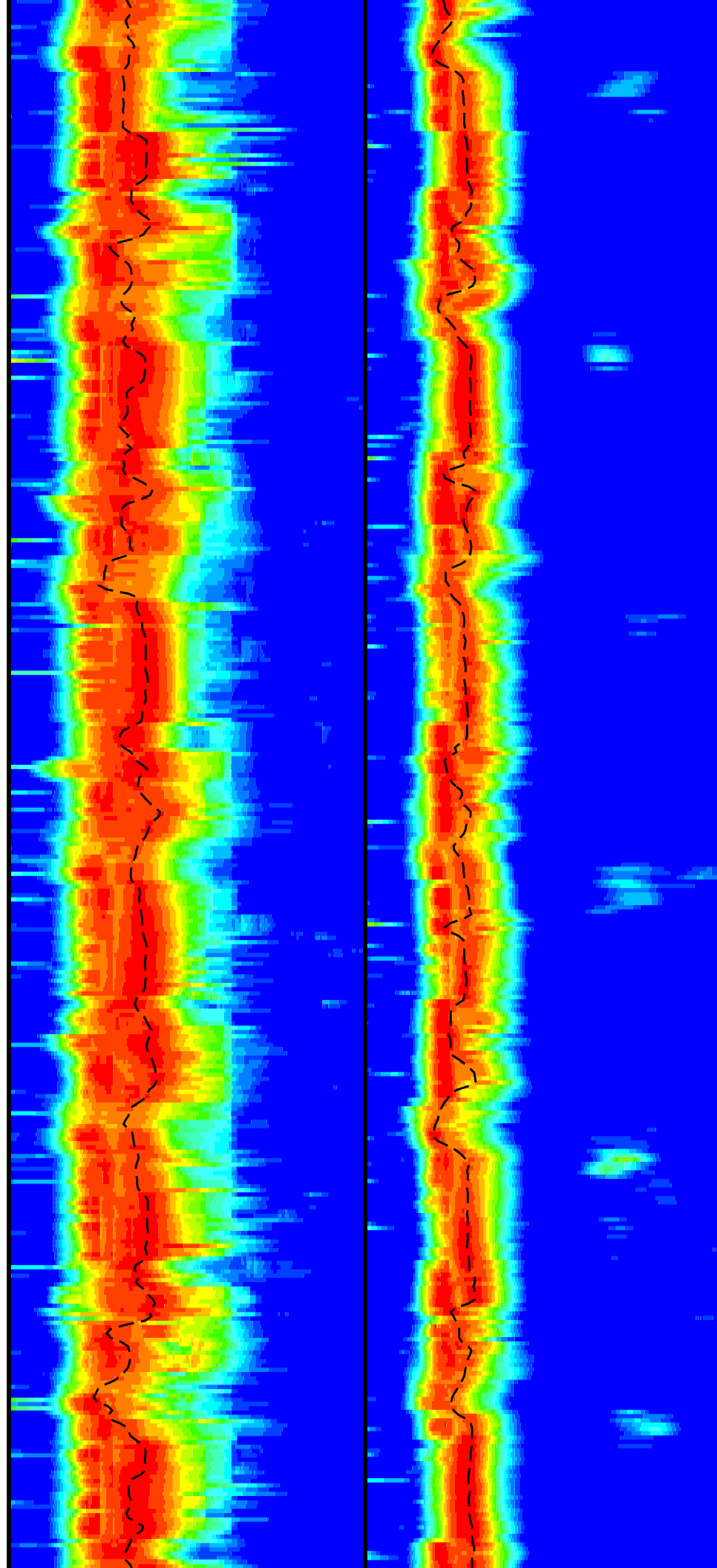


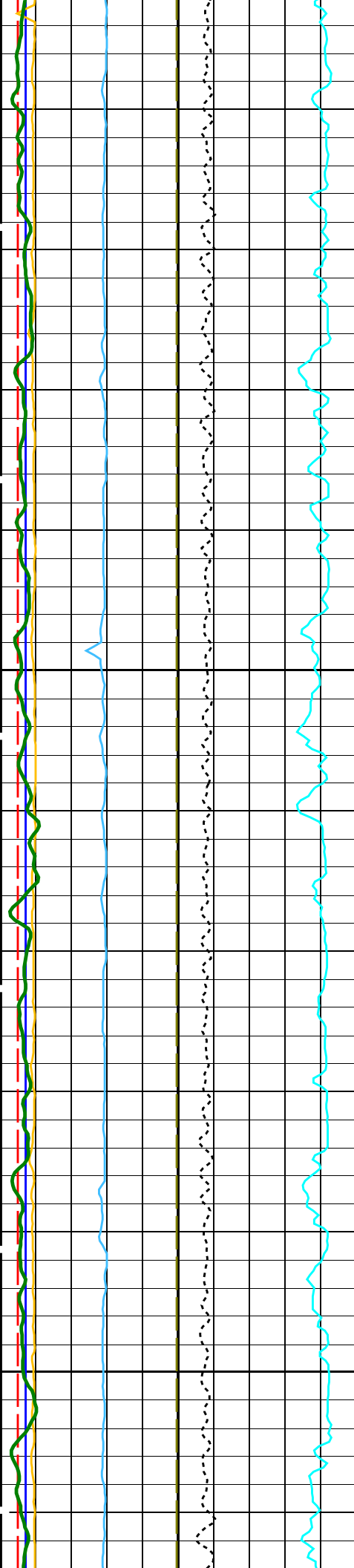


2125

2150

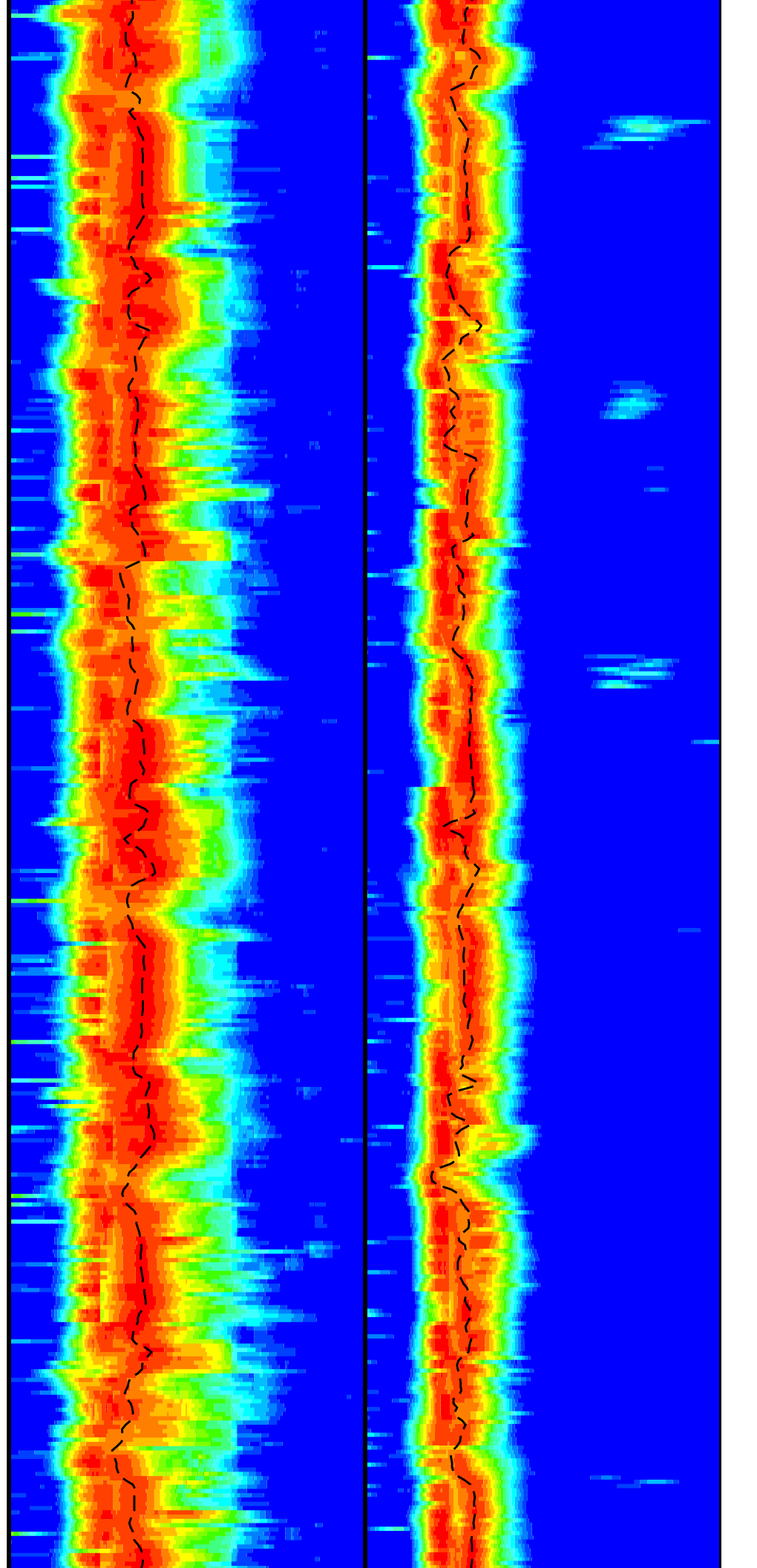
2175

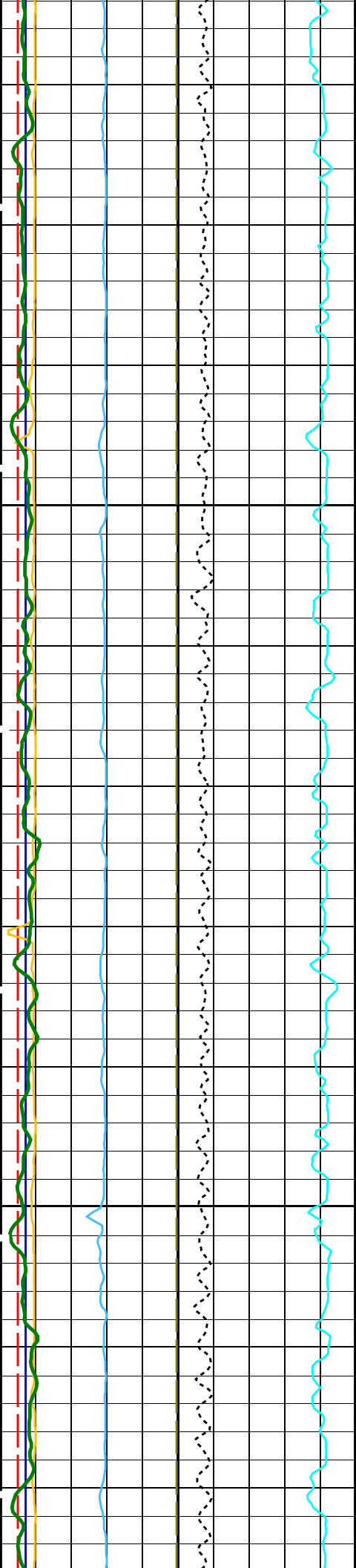




2200

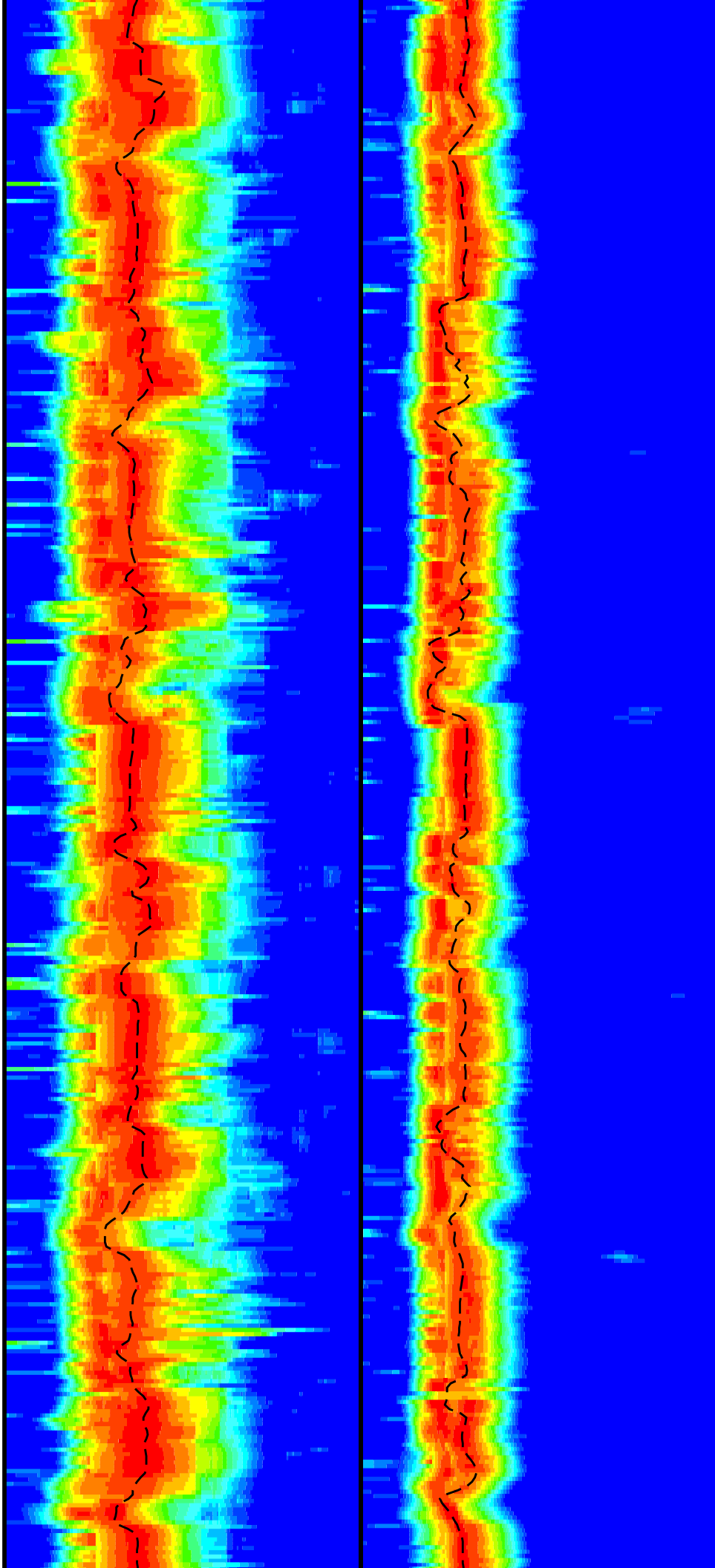
2225

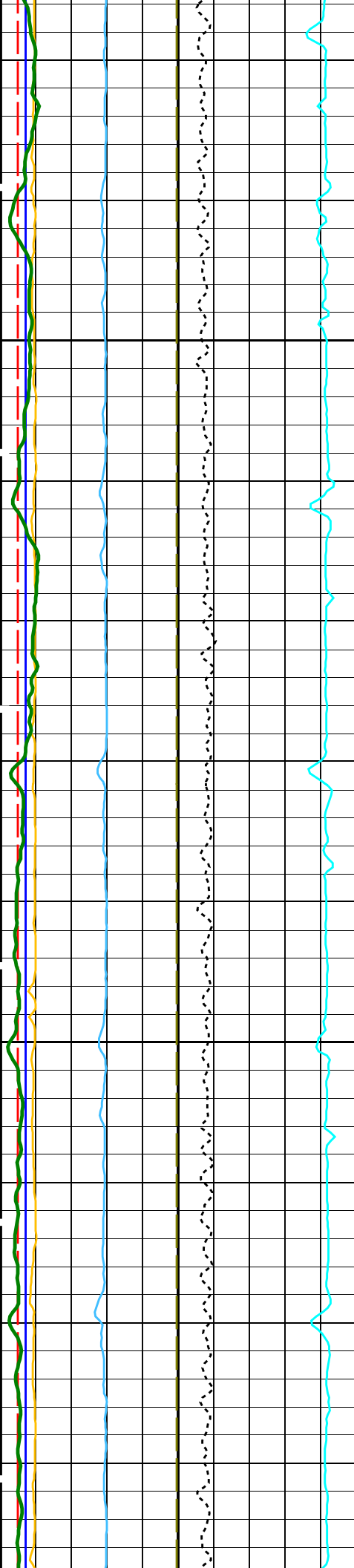




2250

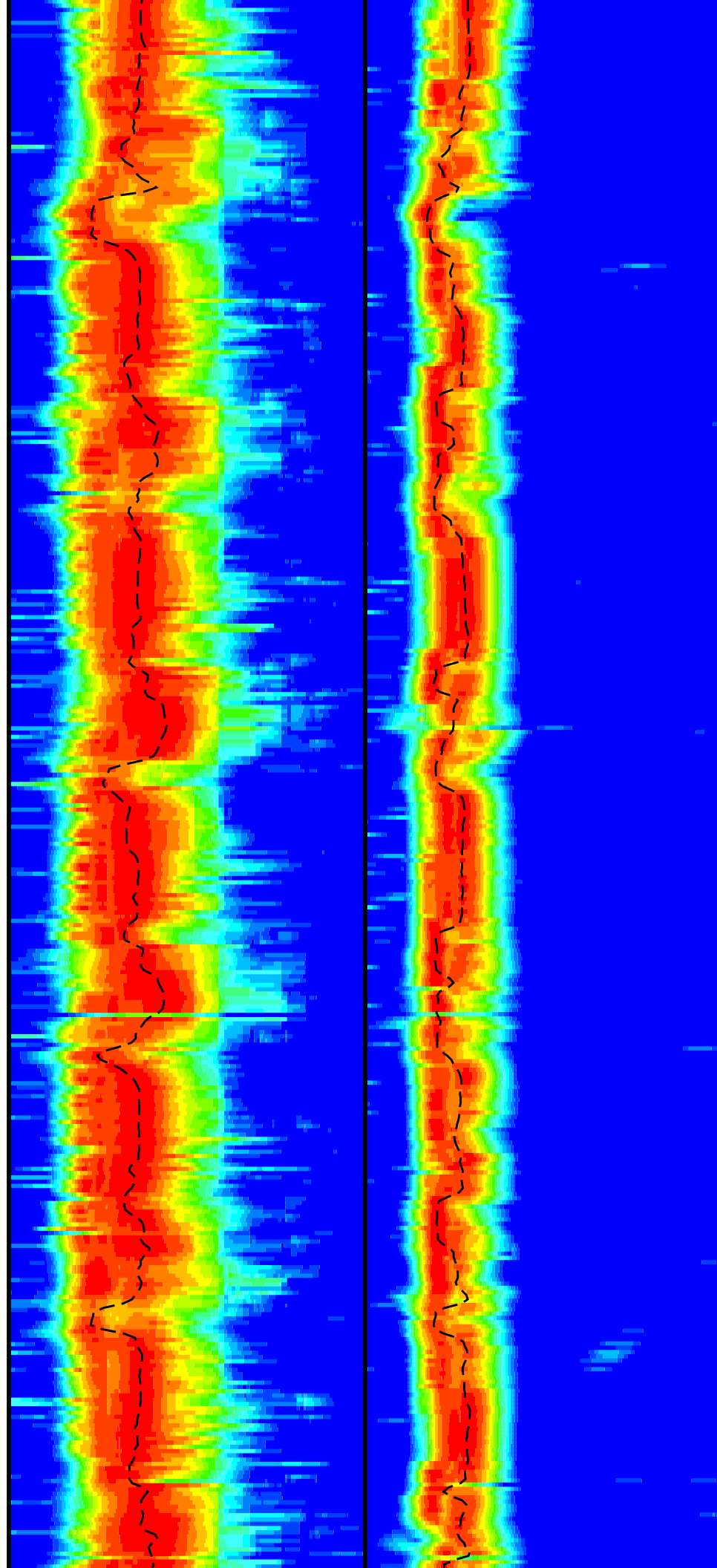
2275

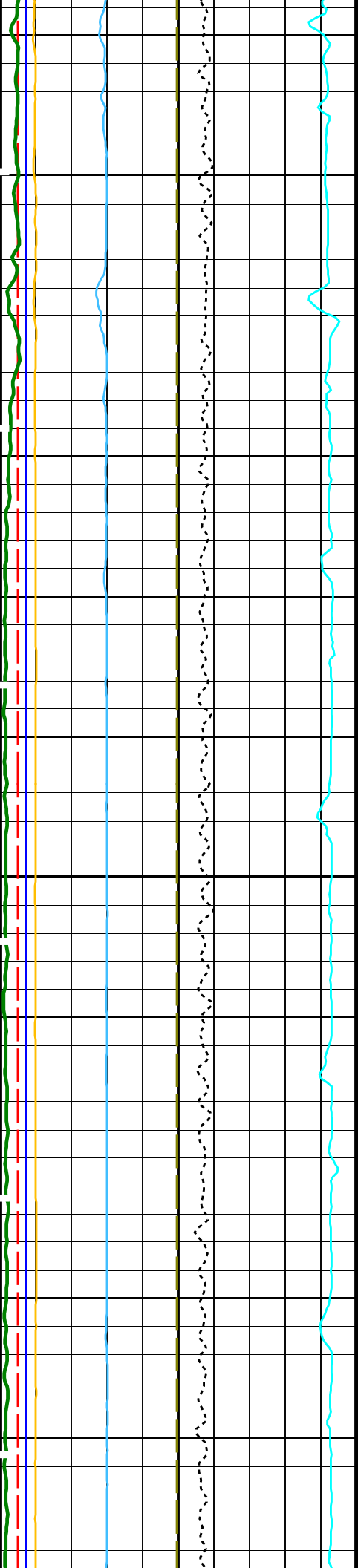




2300

2325

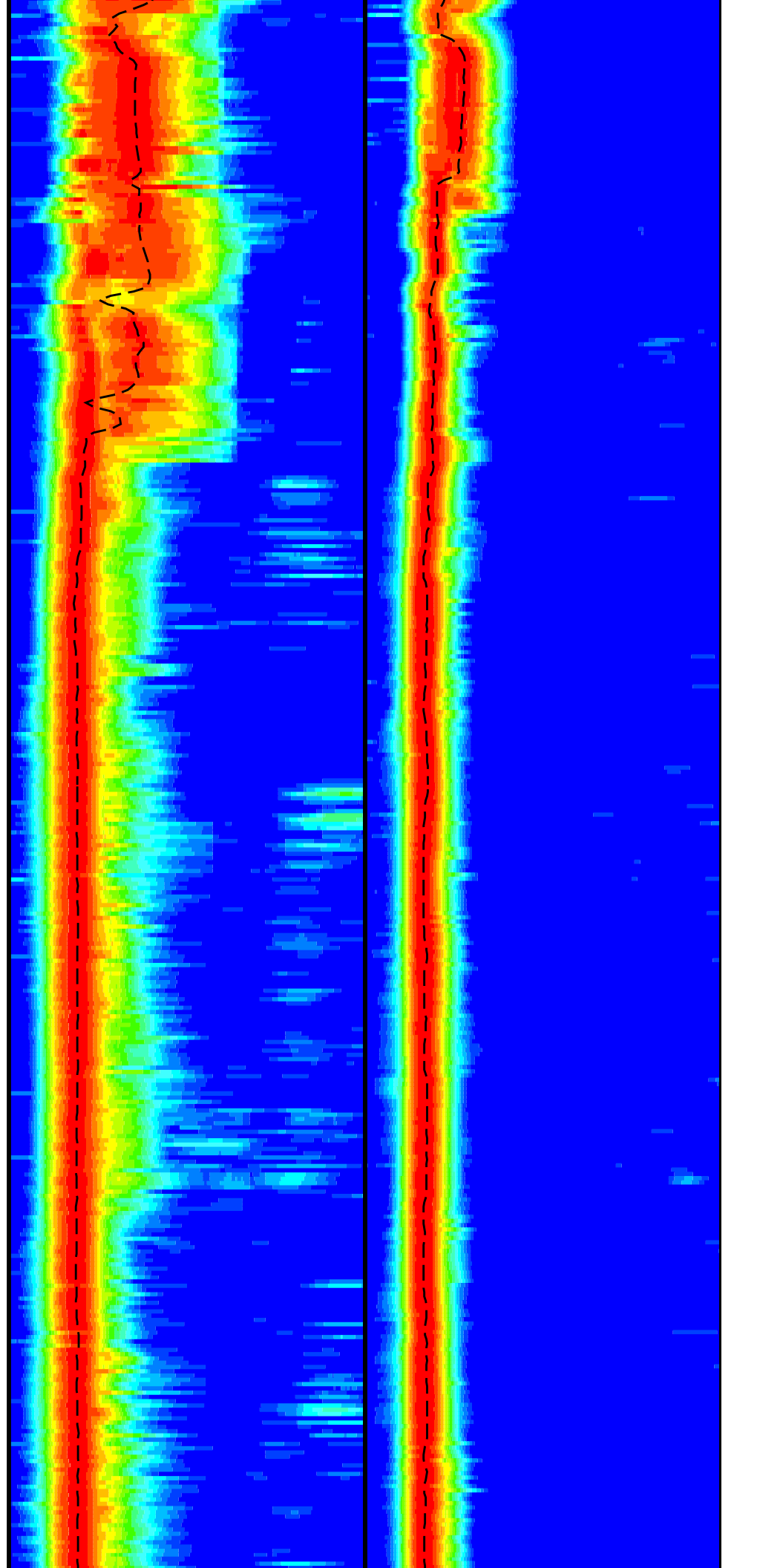


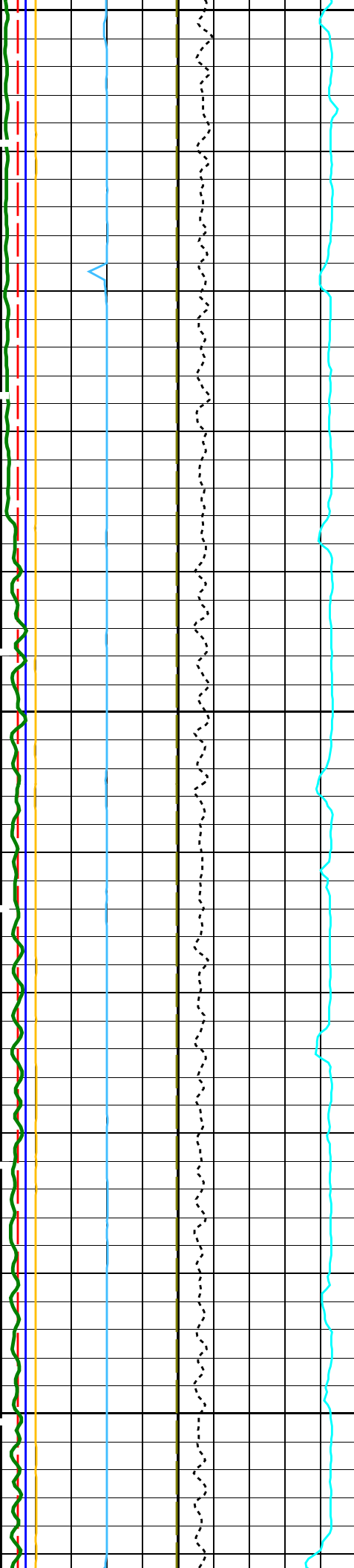


2350

2375

2400

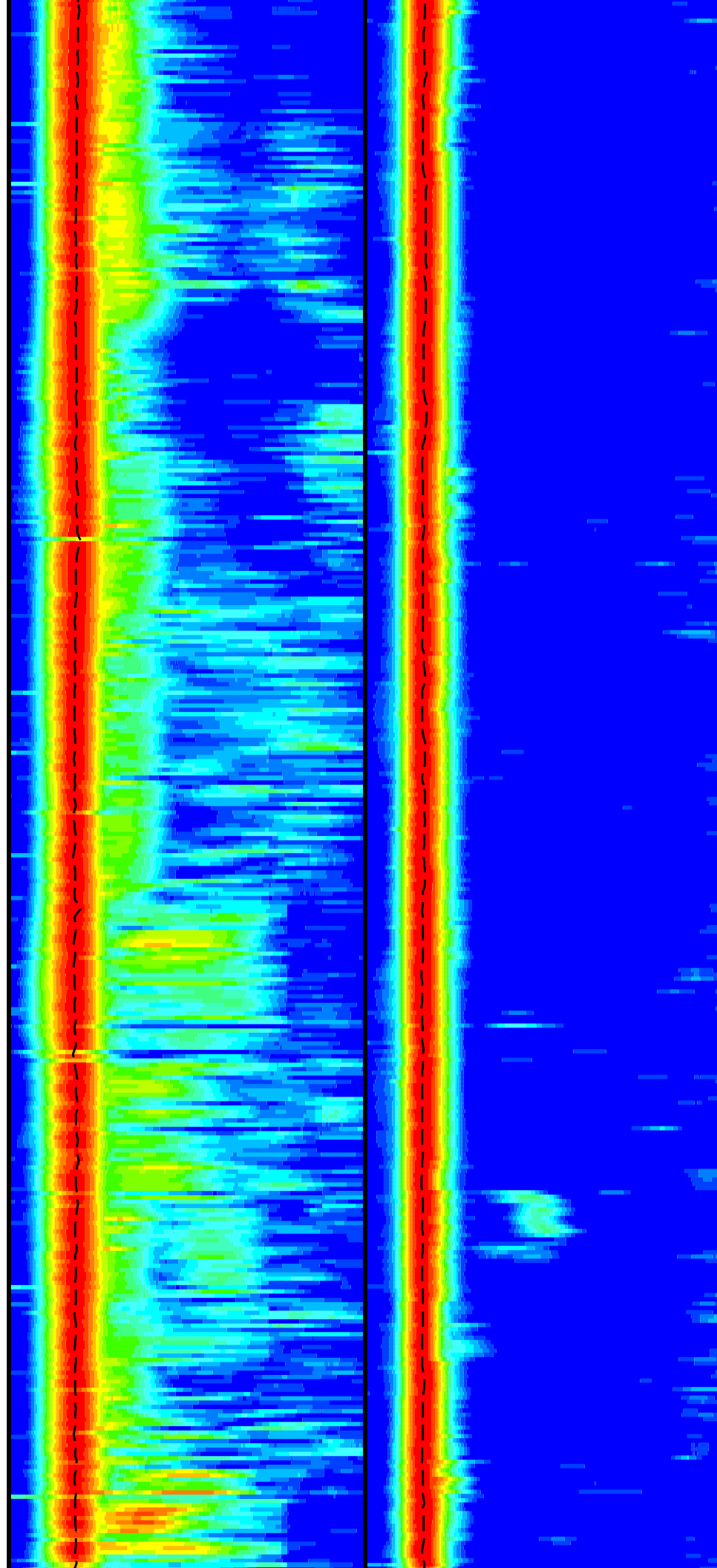


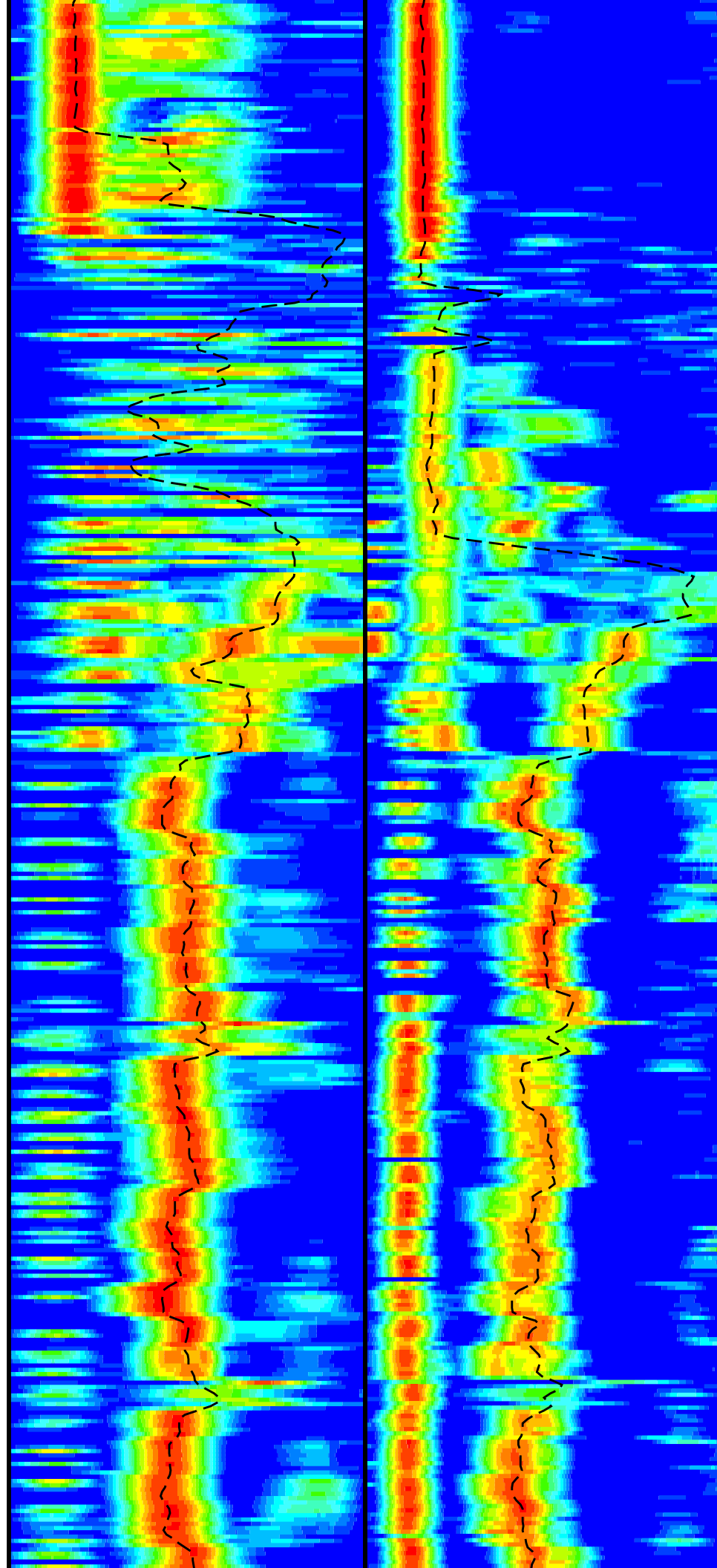
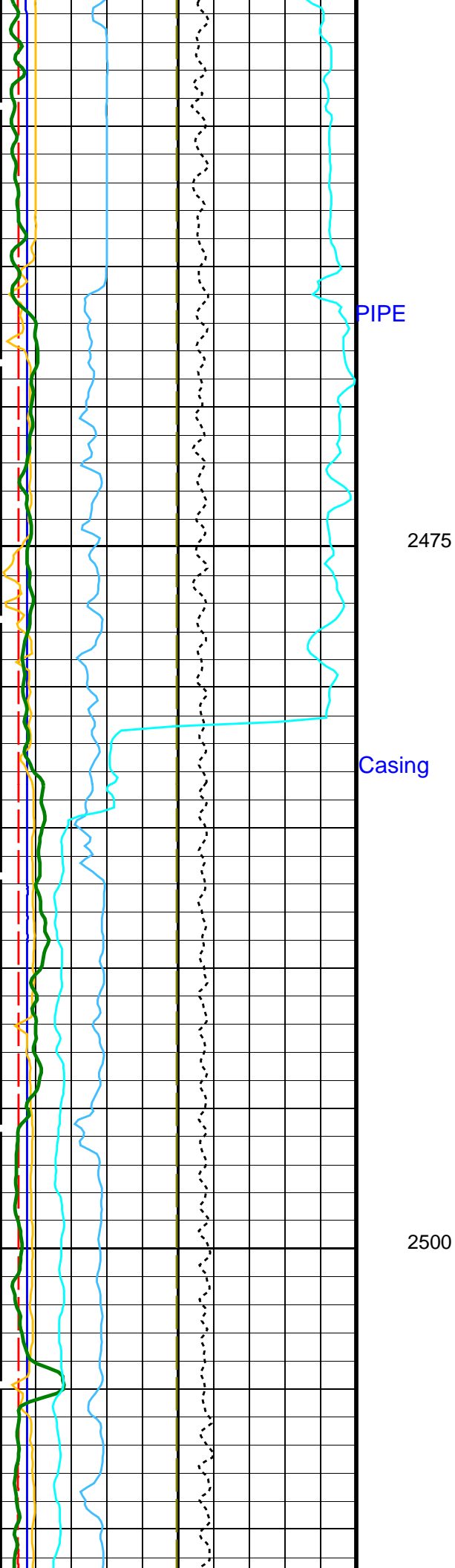


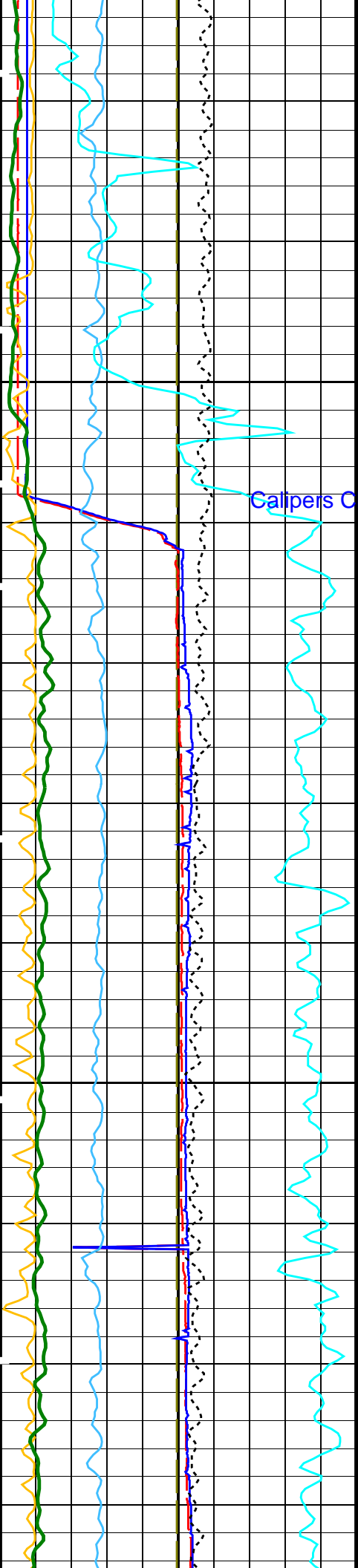
2400

2425

2450

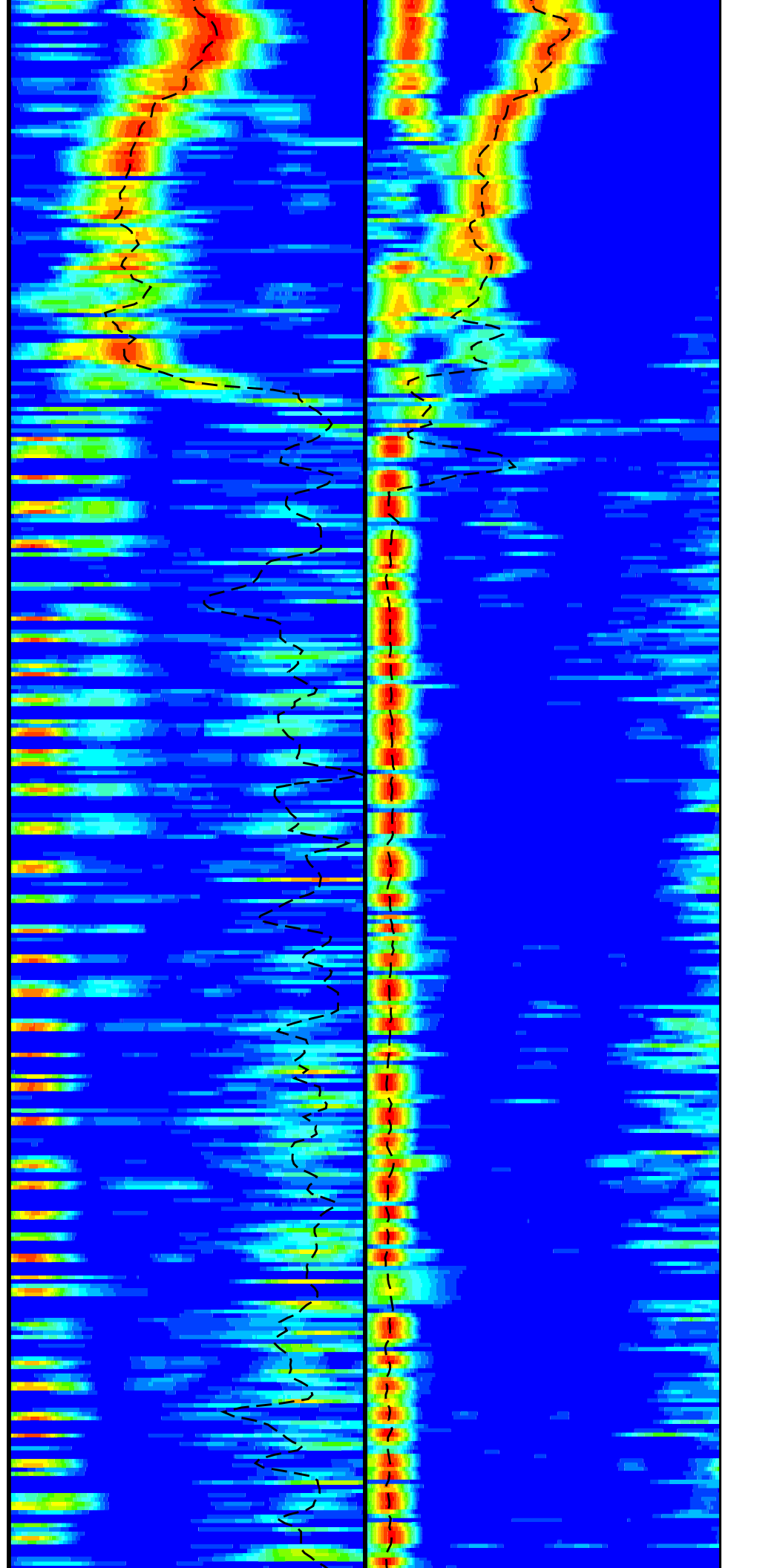


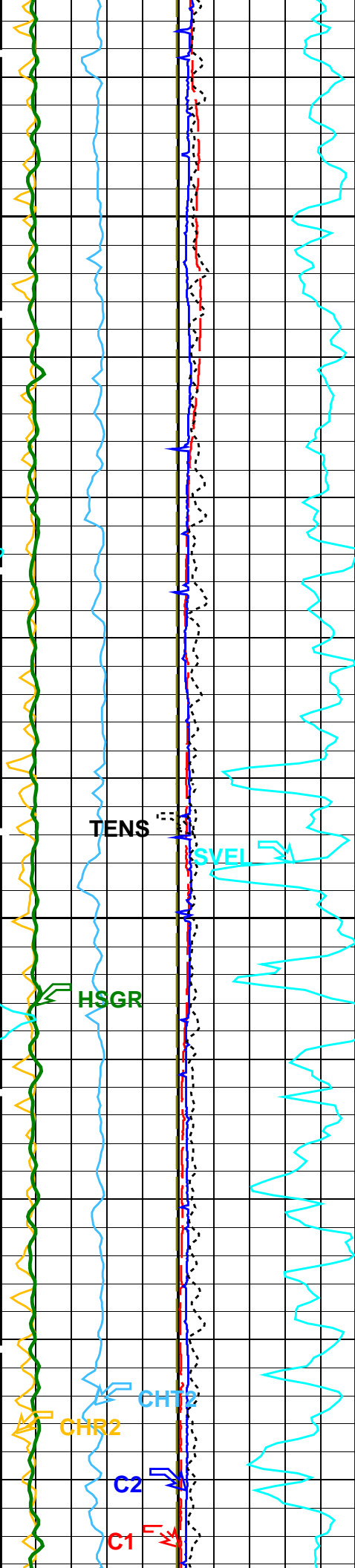




2525

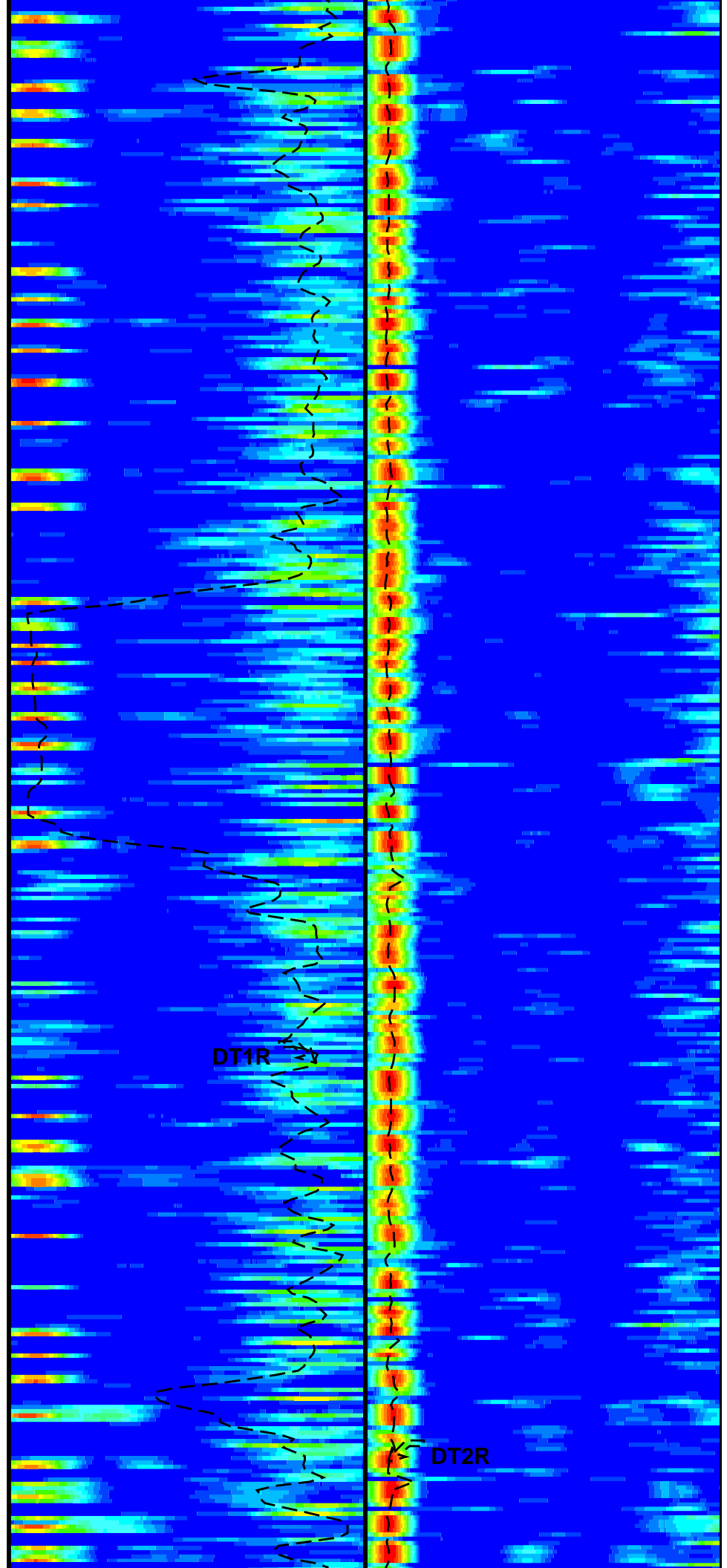
2550

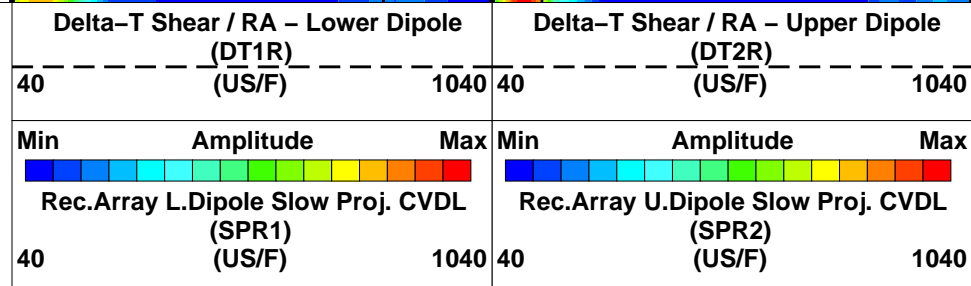
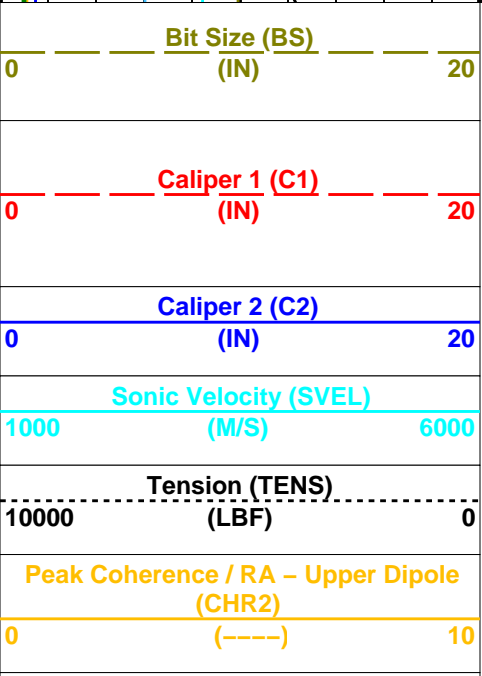
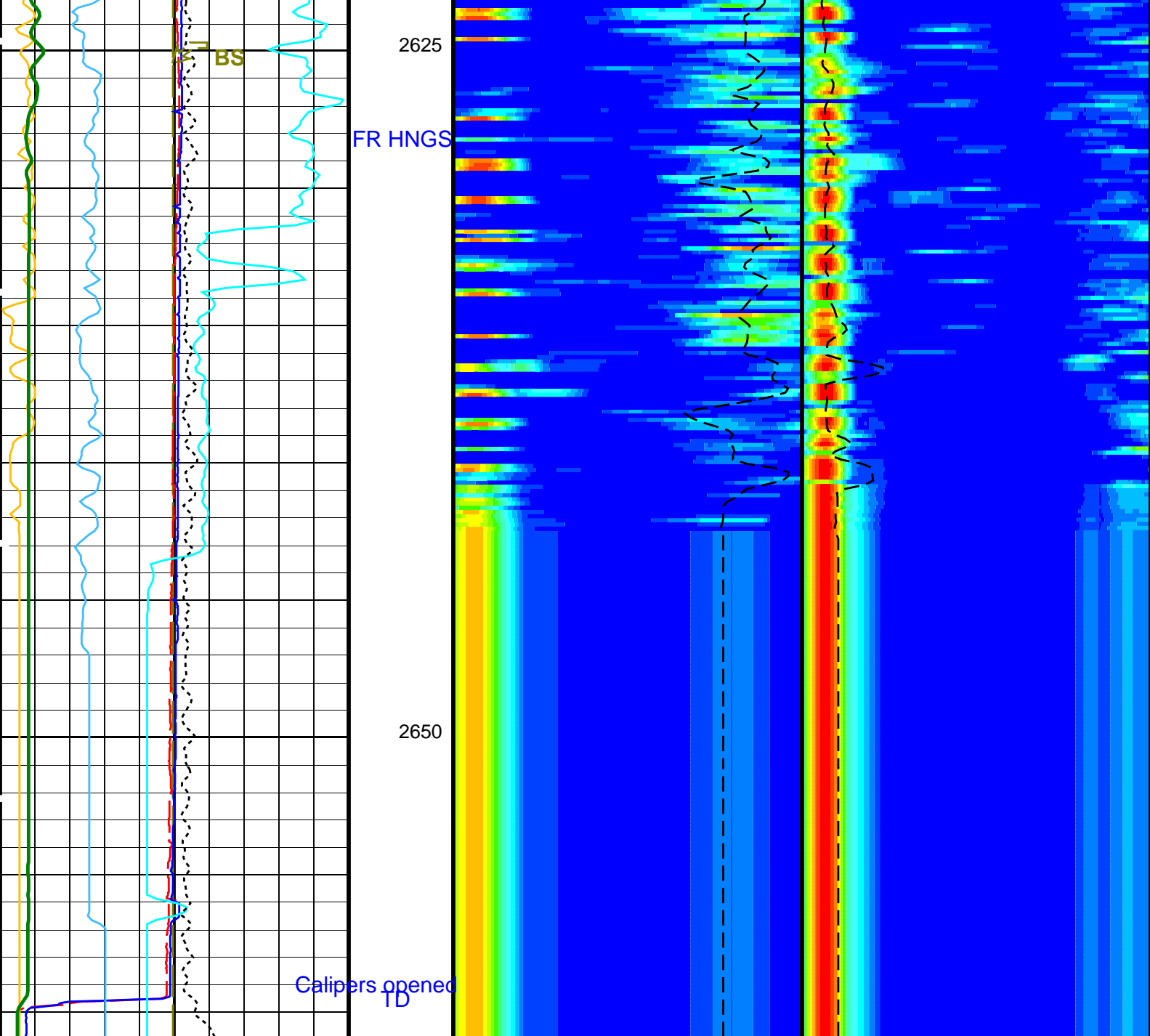




2575

2600





Uplog 2

Peak Coherence / 1A - Upper Dipole (CHT2)	
-2 (-----)	8
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
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	-0.000830234	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958872	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.97138	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	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: 09-Jul-2021 03:19

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

DEFAULT	FMS_DSI_NGS_024LUP	FN:37	PRODUCER	09-Jul-2021 01:29	2660.9 M	1871.9 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:49	PRODUCER	09-Jul-2021 03:19
BACKUP	FMS_DSI_NGS_031PUP	FN:50	PRODUCER	09-Jul-2021 03:19

Company: International Ocean Discovery Program Well: Expedition 395C, Site U1554F

Input DLIS Files

DEFAULT	FMS_DSI_NGS_024LUP	FN:37	PRODUCER	09-Jul-2021 01:29	2660.9 M	1871.9 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:49	PRODUCER	09-Jul-2021 03:19	2660.9 M	1871.9 M
BACKUP	FMS_DSI_NGS_031PUP	FN:50	PRODUCER	09-Jul-2021 03:19	2660.9 M	1871.9 M

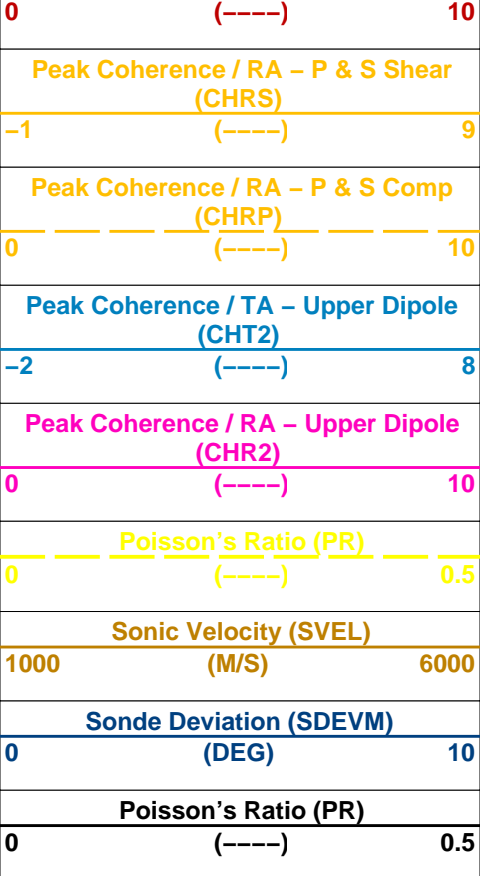
OP System Version: 19C0-187

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

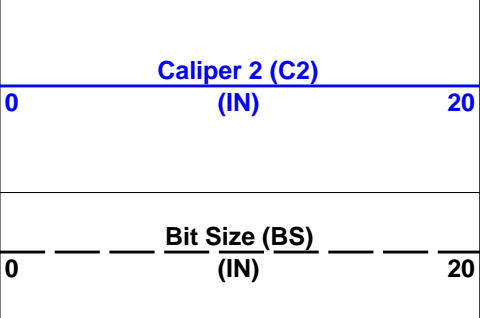
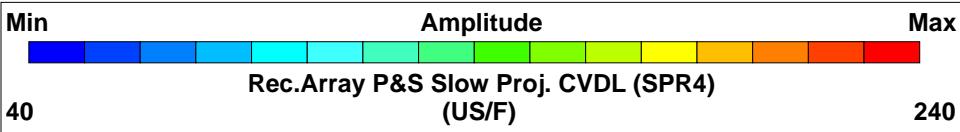
PIP SUMMARY

 Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		

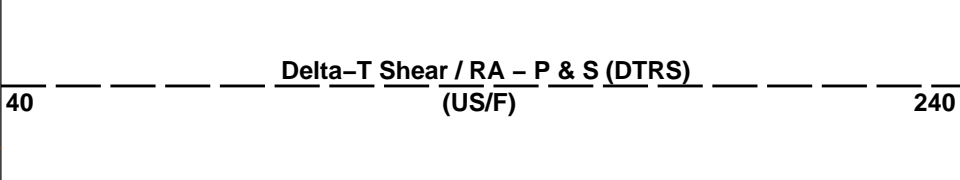


Uplog 2



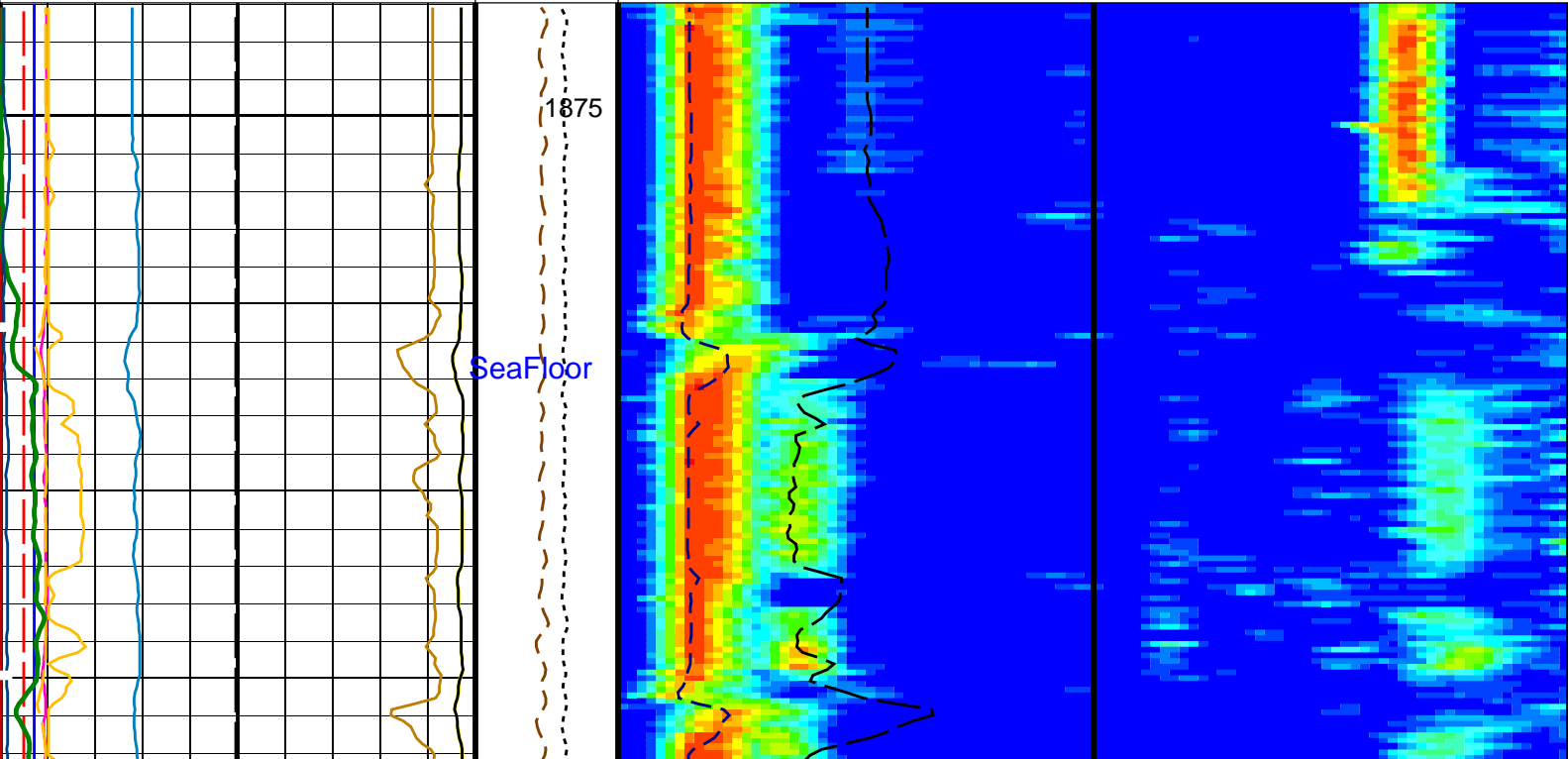
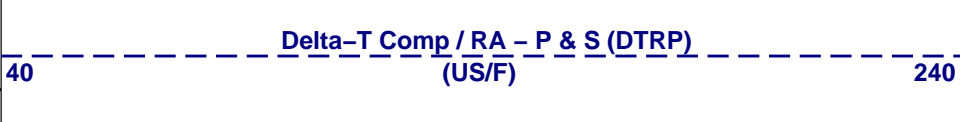
Calibrated
Downhole
Force
(CDF)
(LBF)

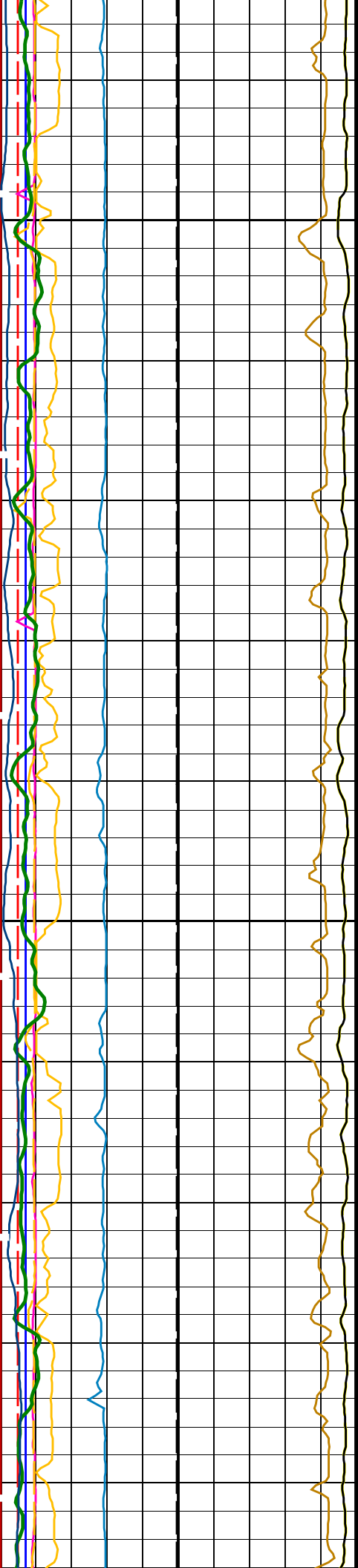
3000 0



Tension
(TENS)
(LBF)

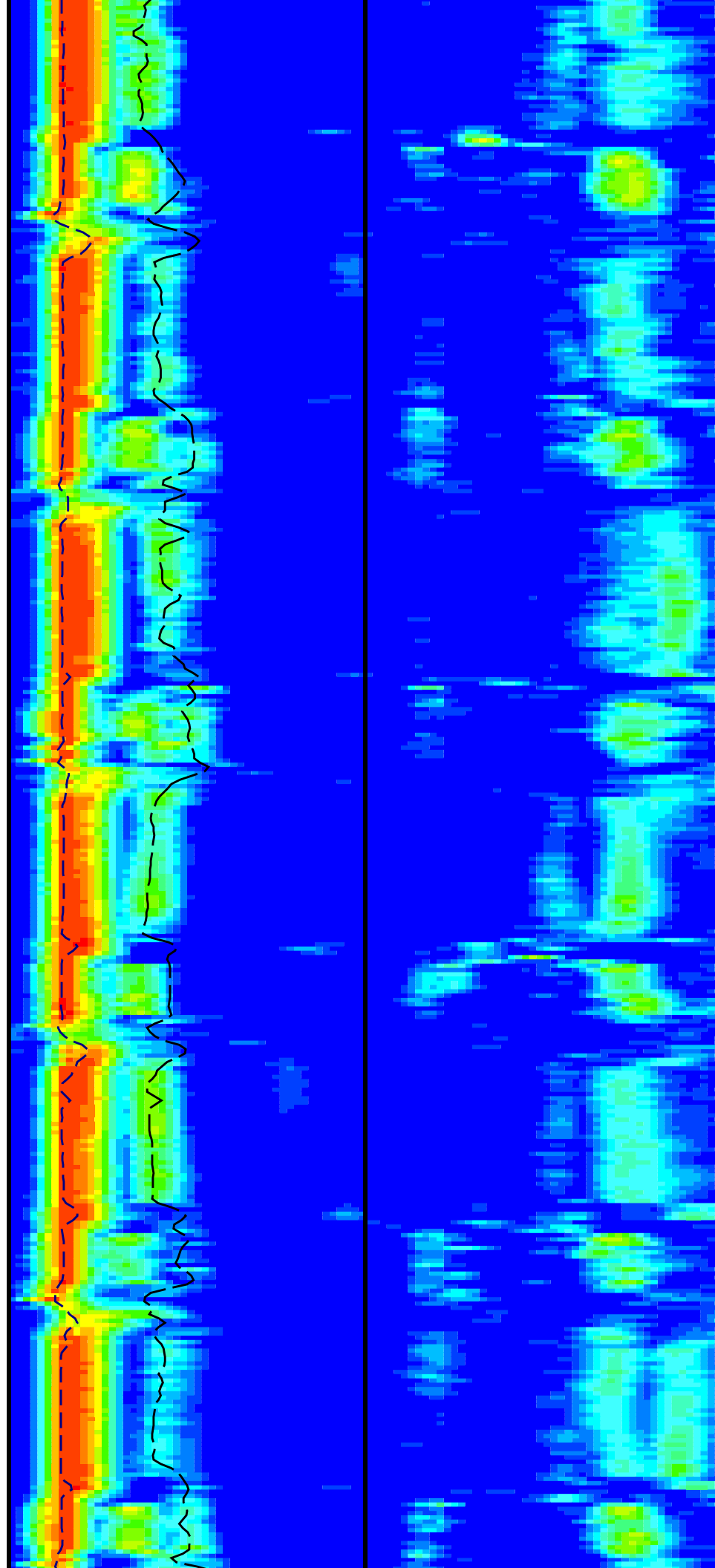
10000 0

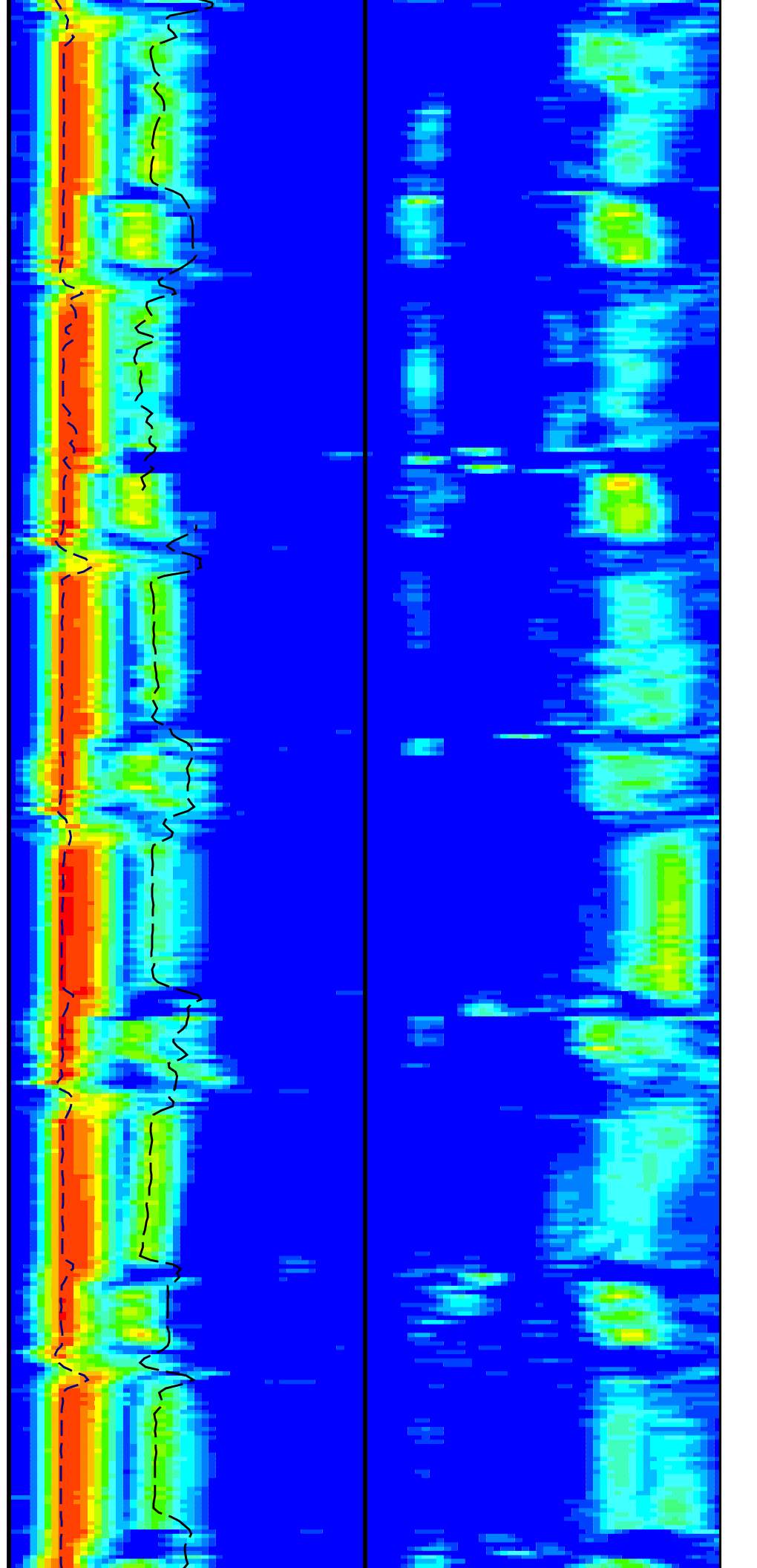
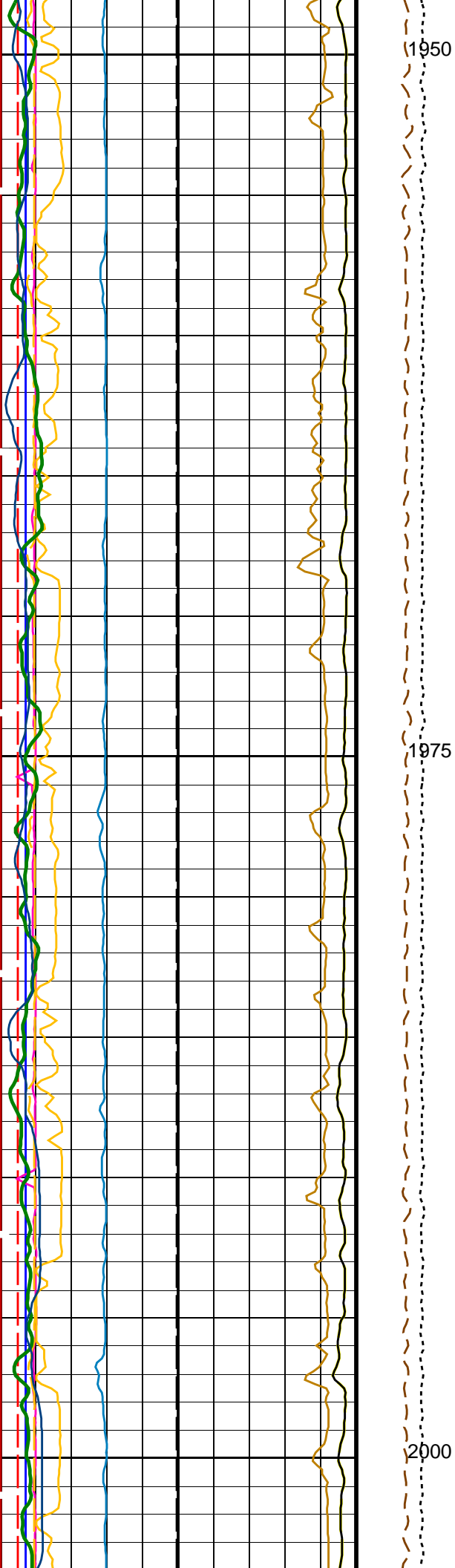


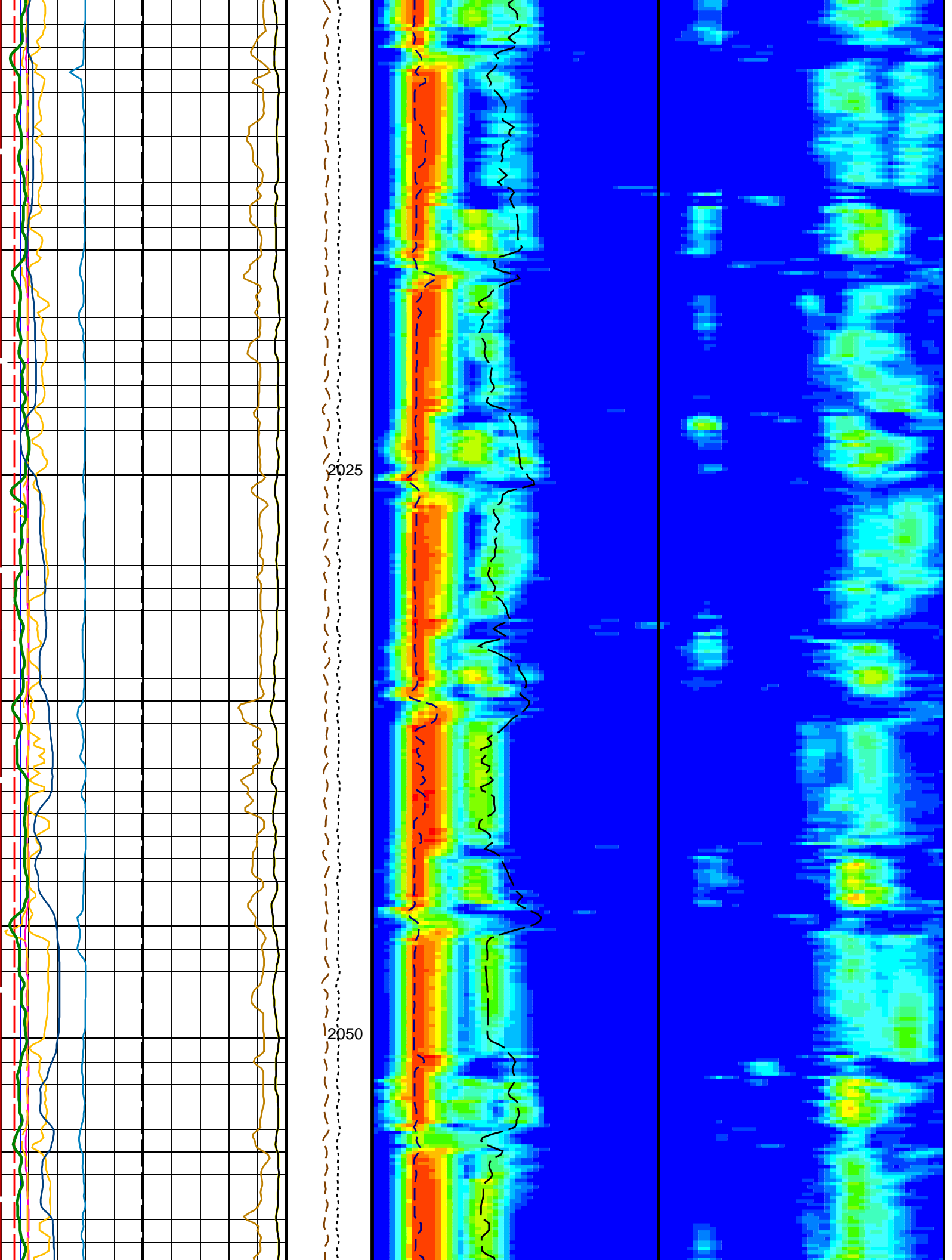


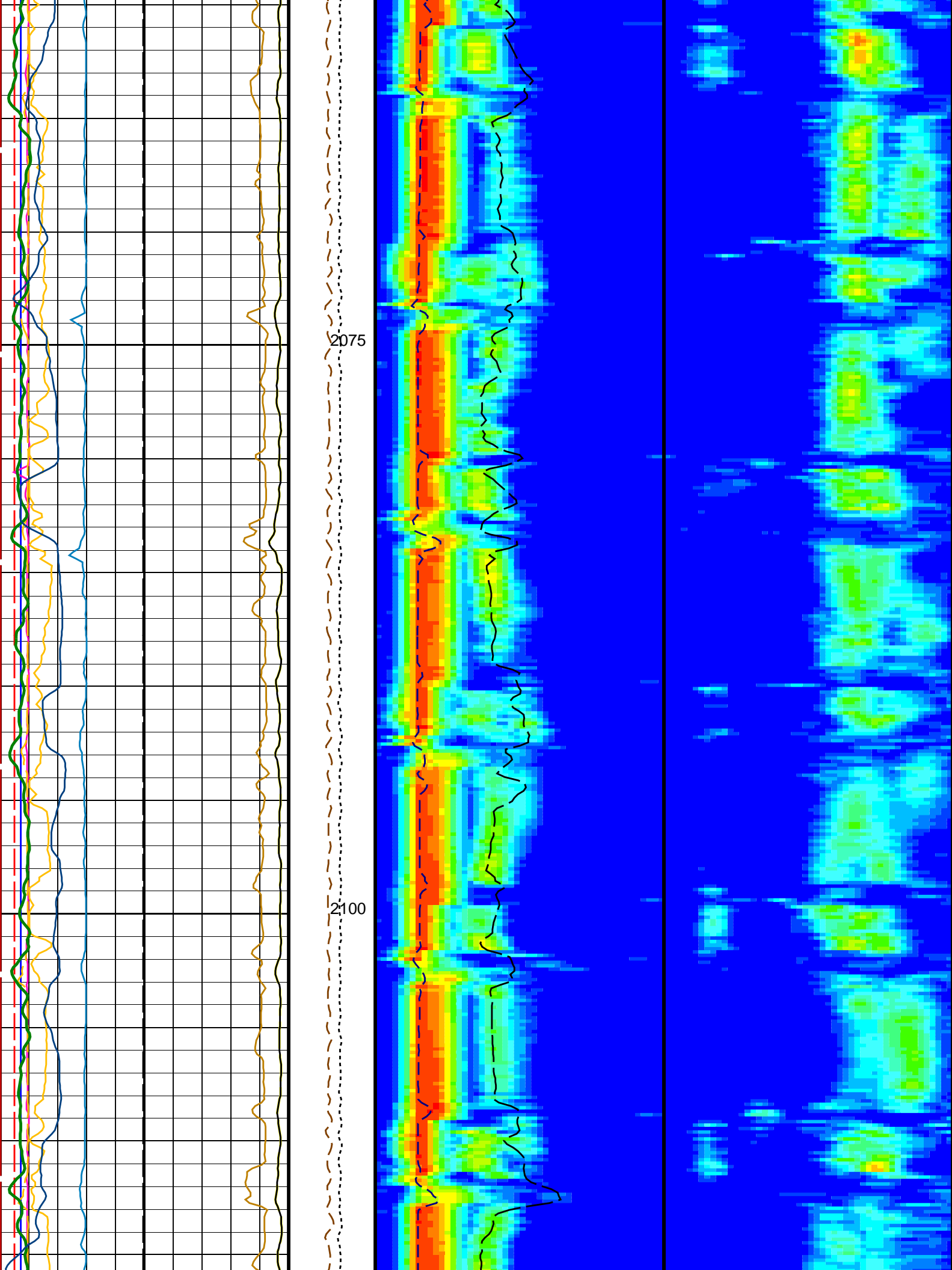
1900

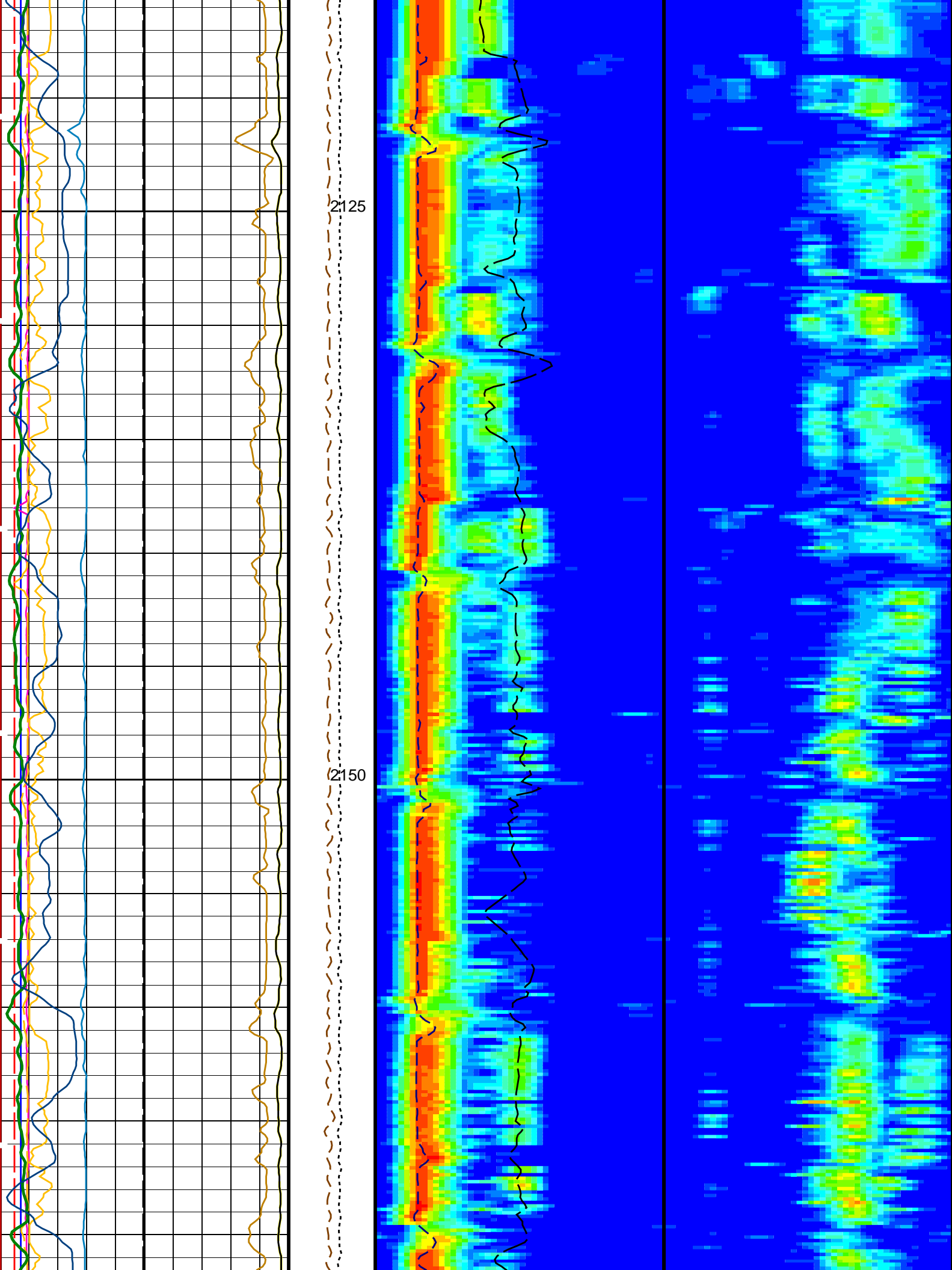
1925

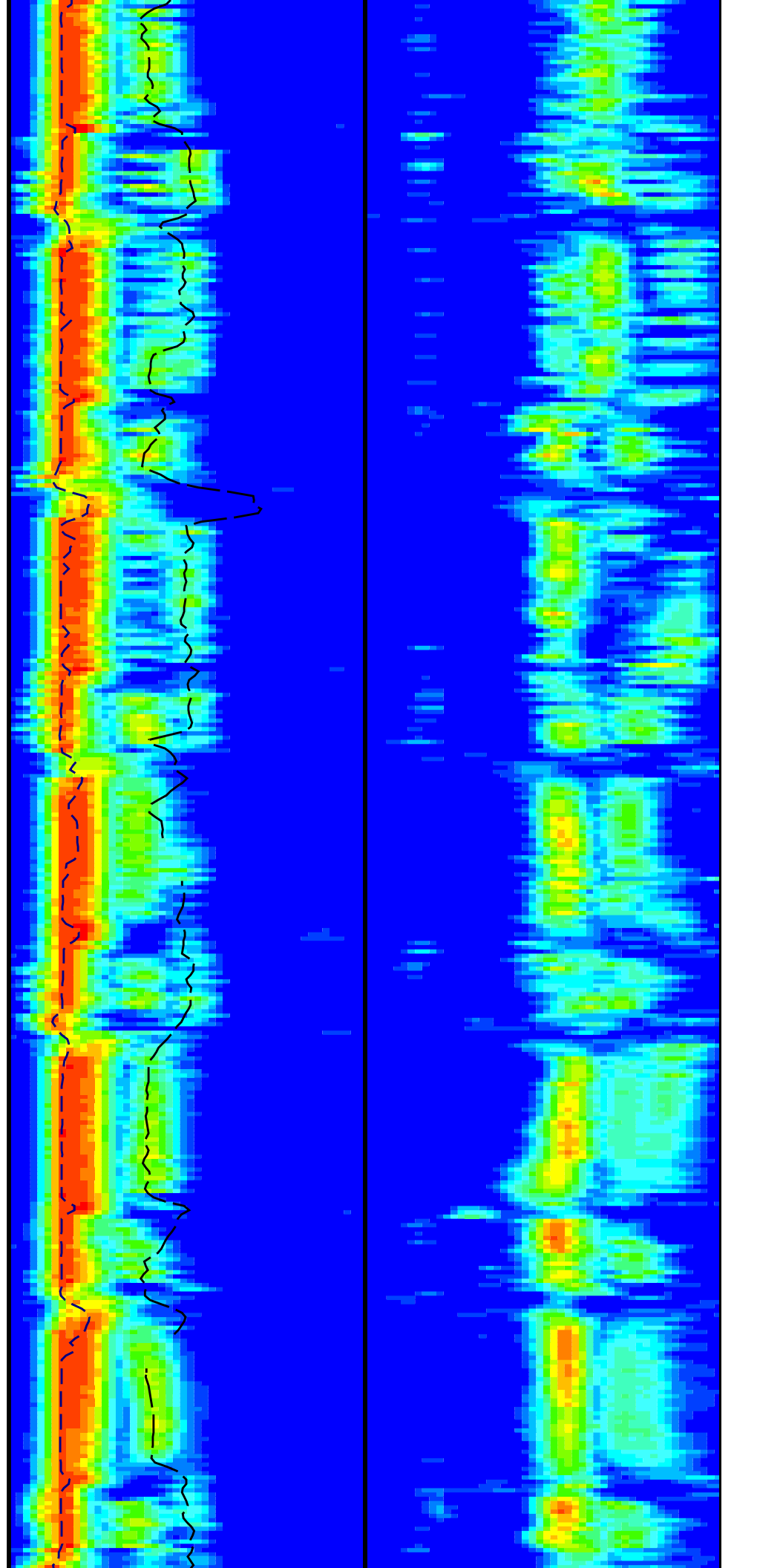
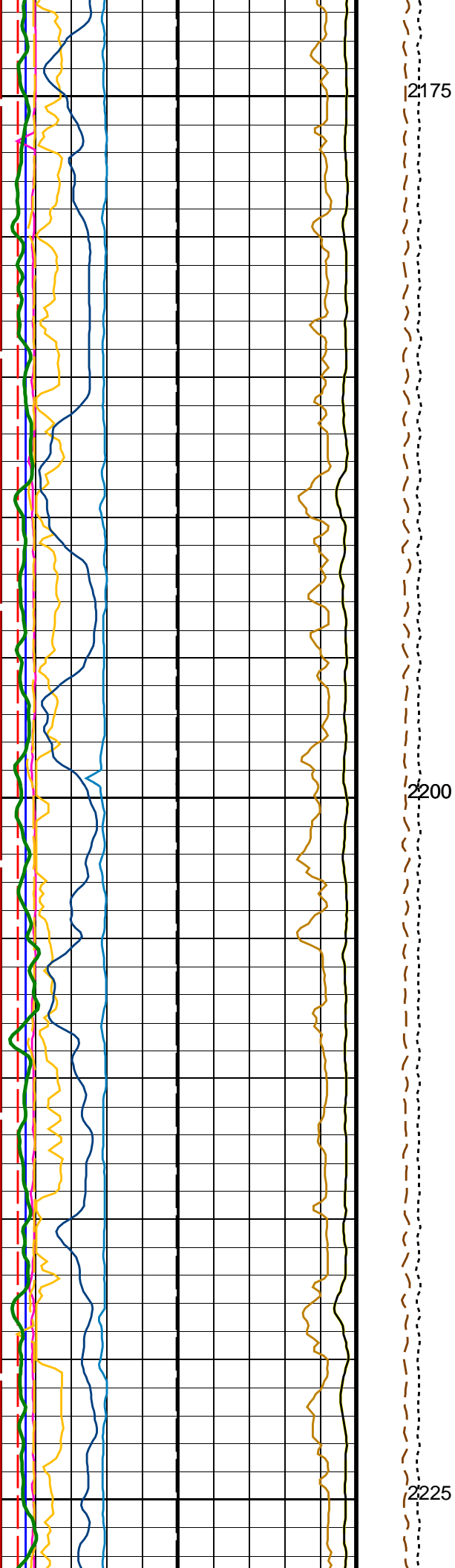


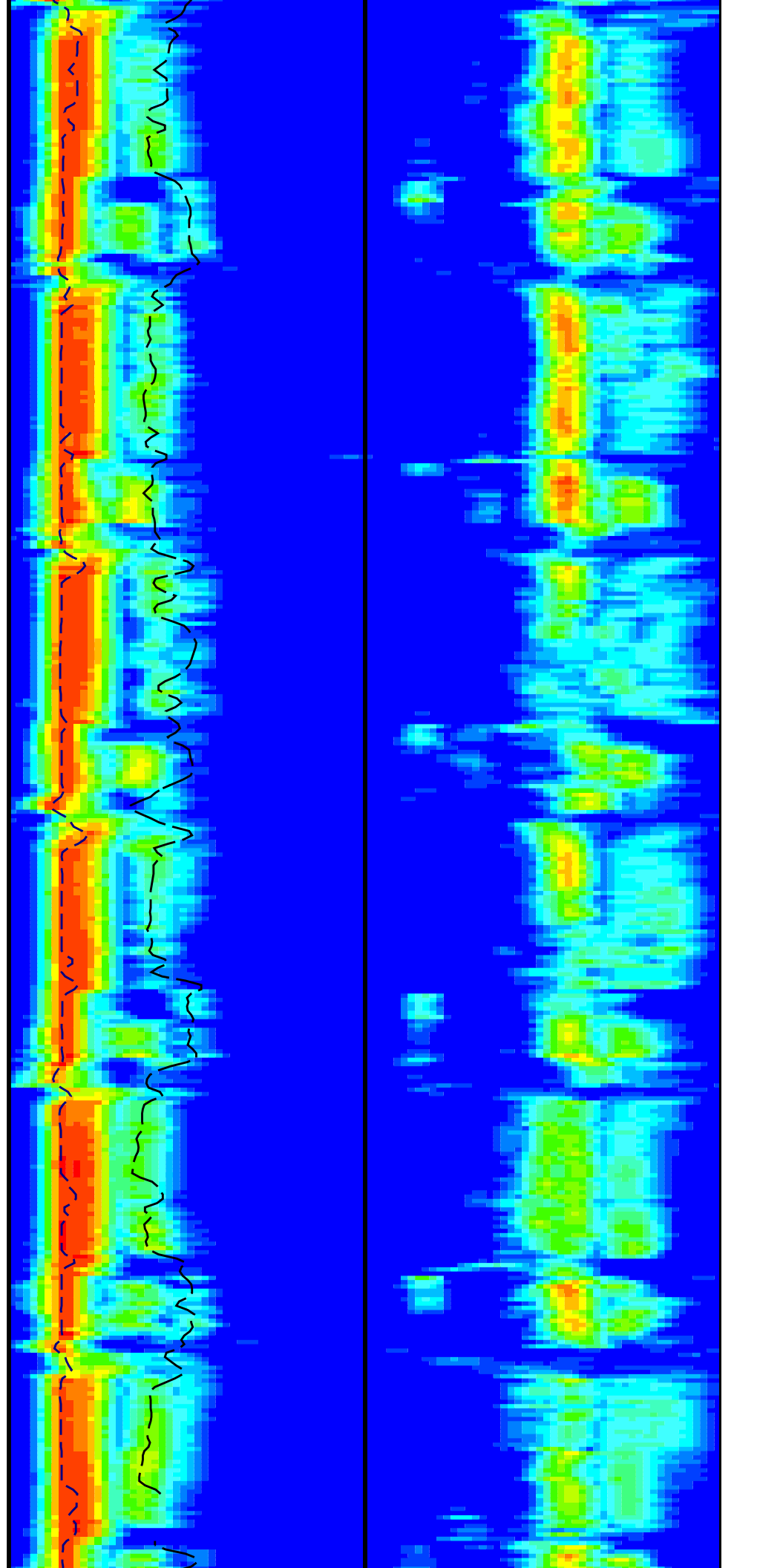
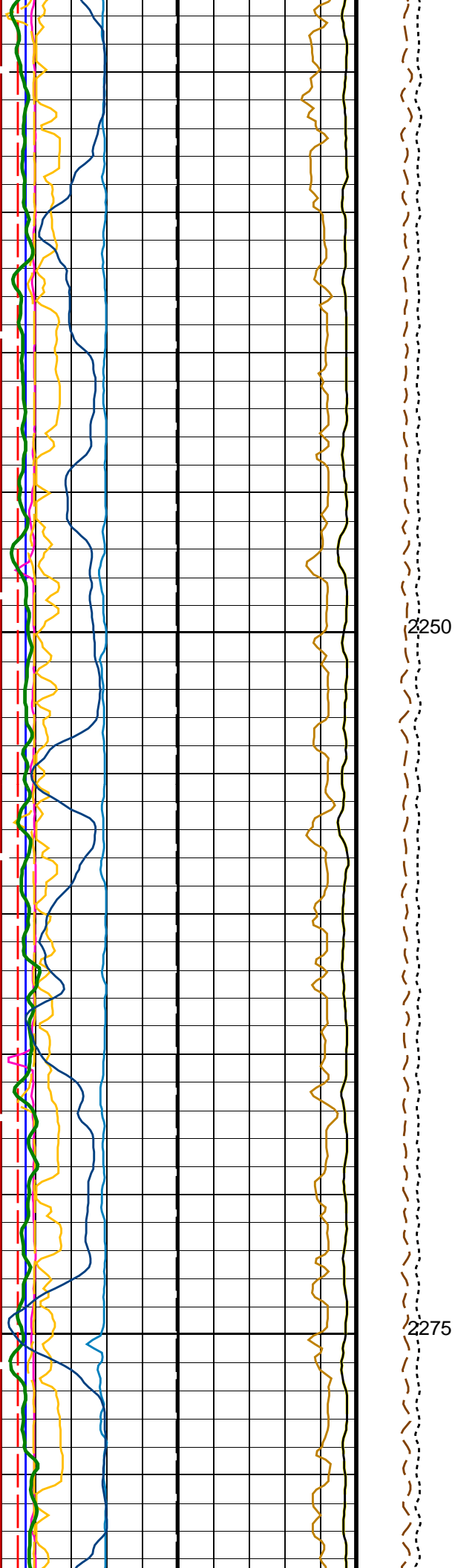


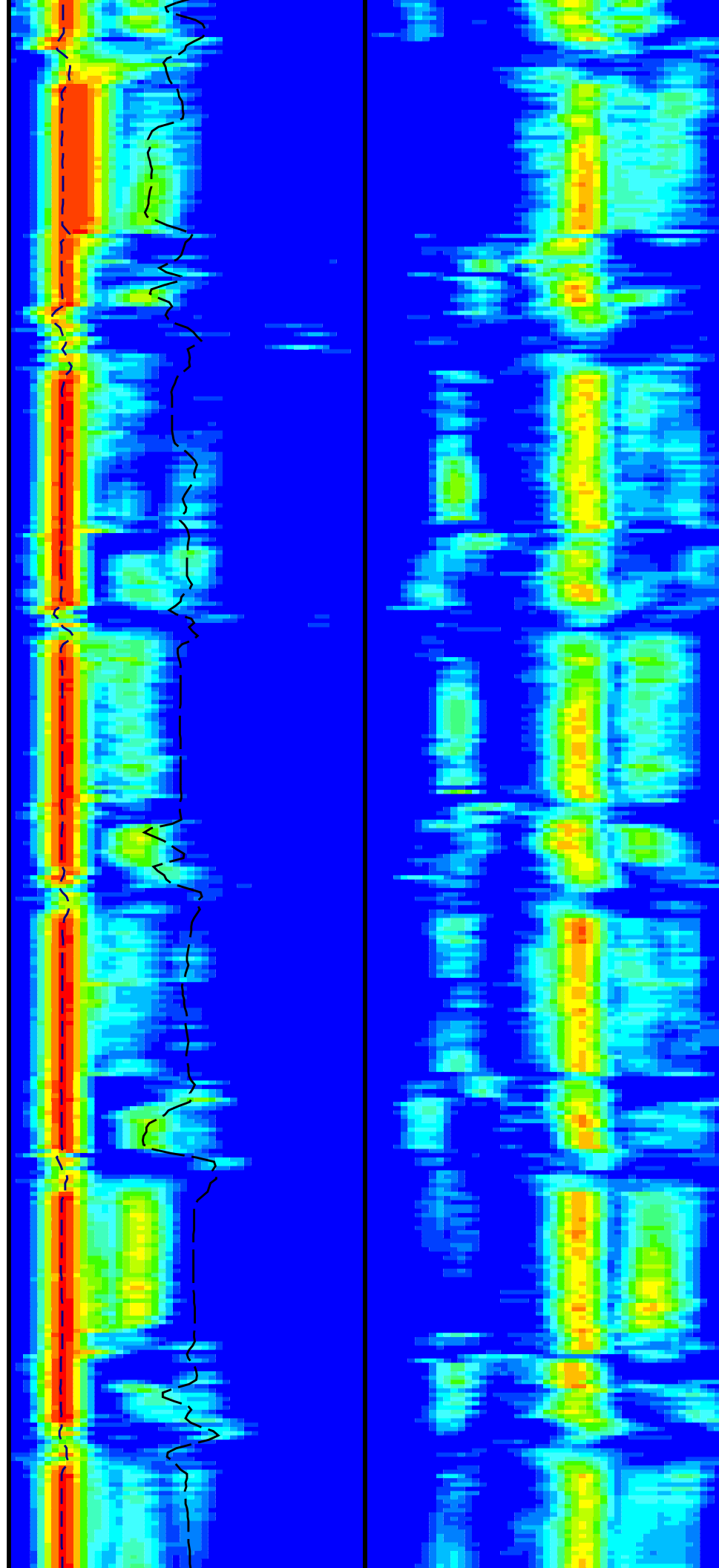
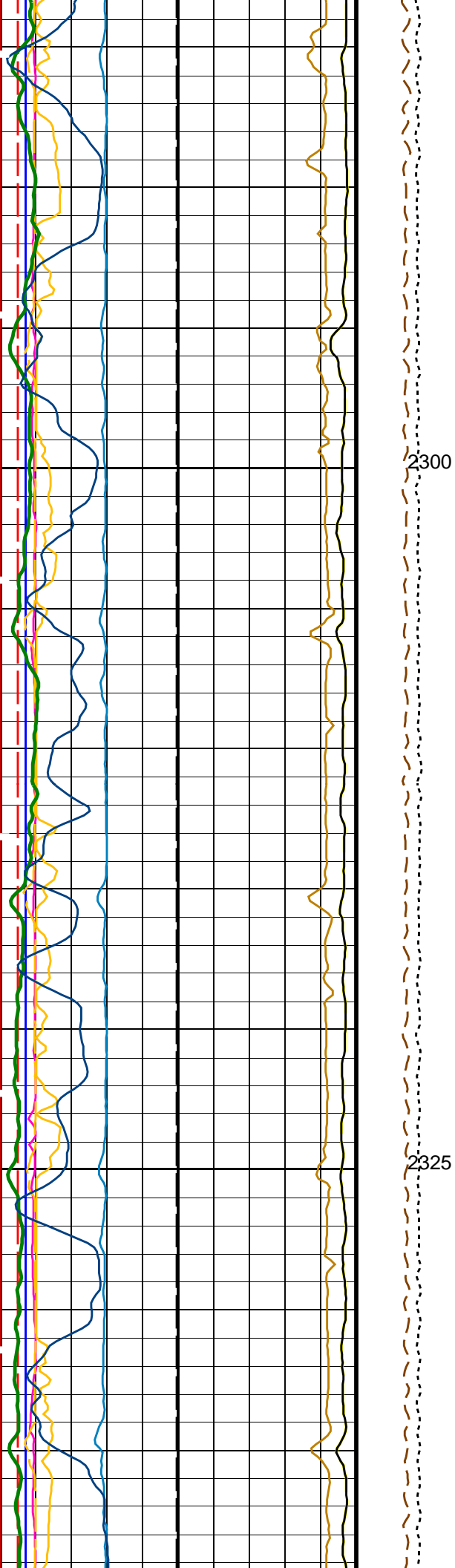


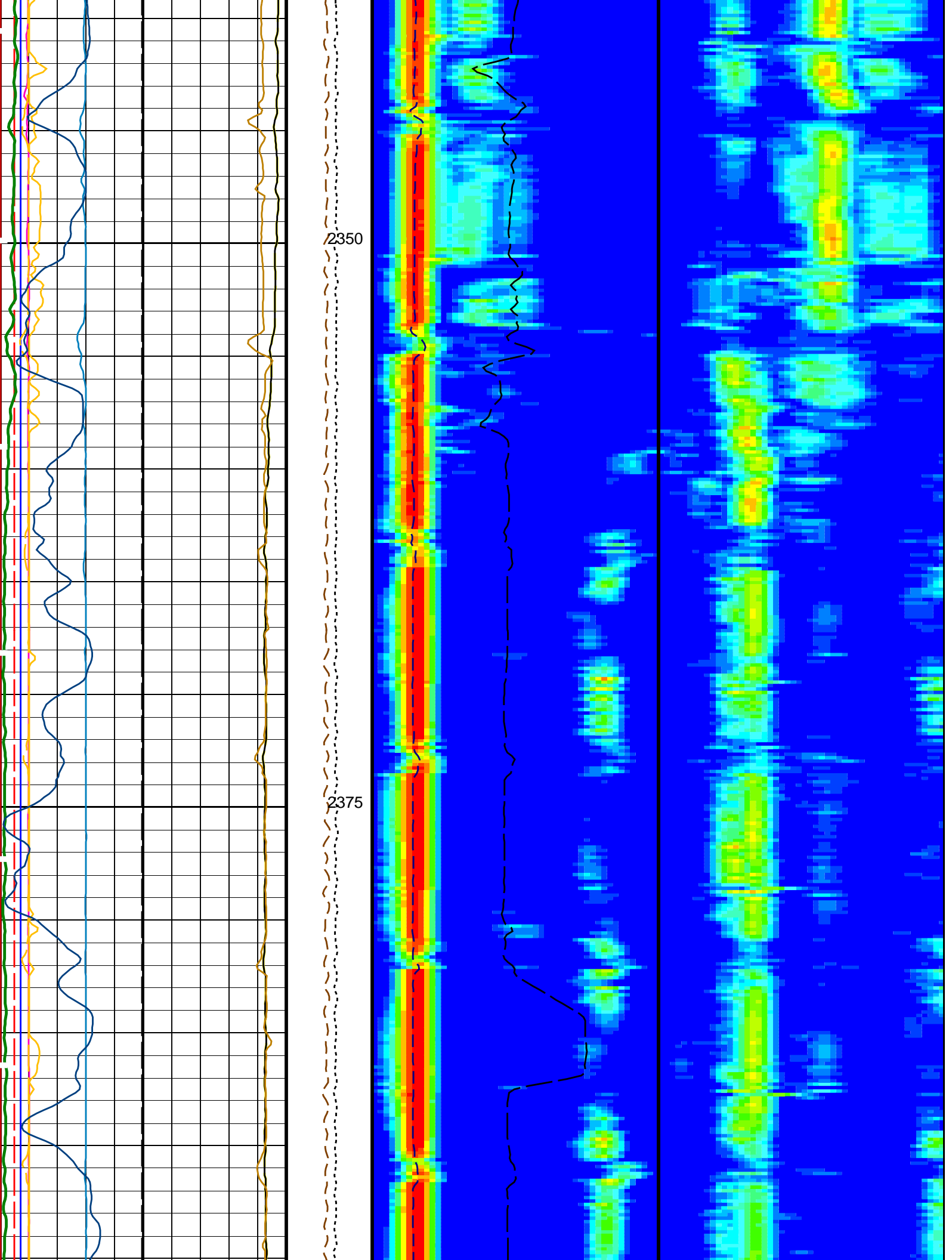


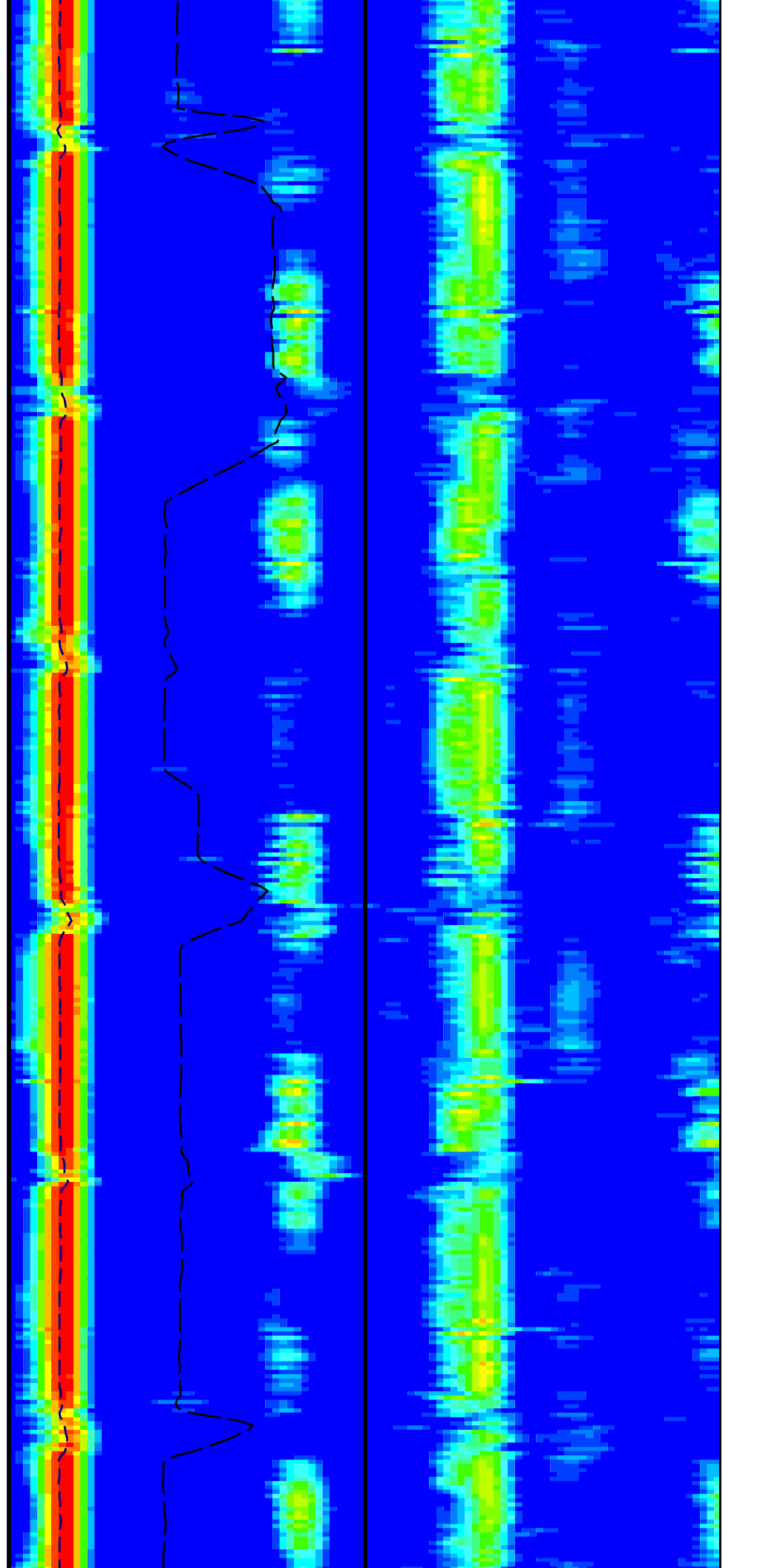
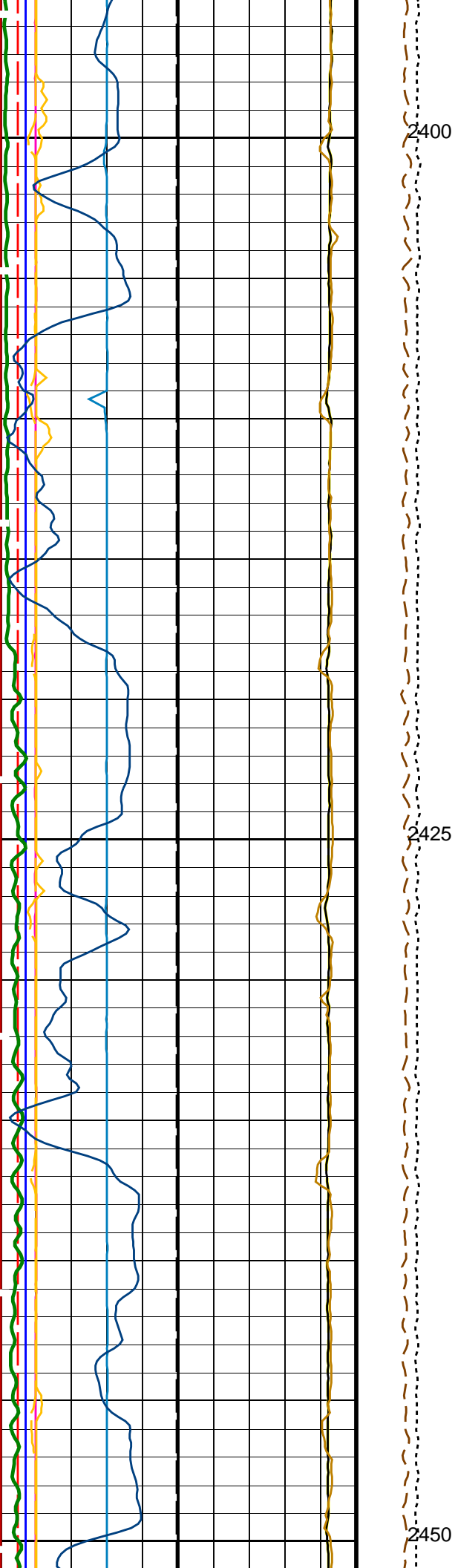


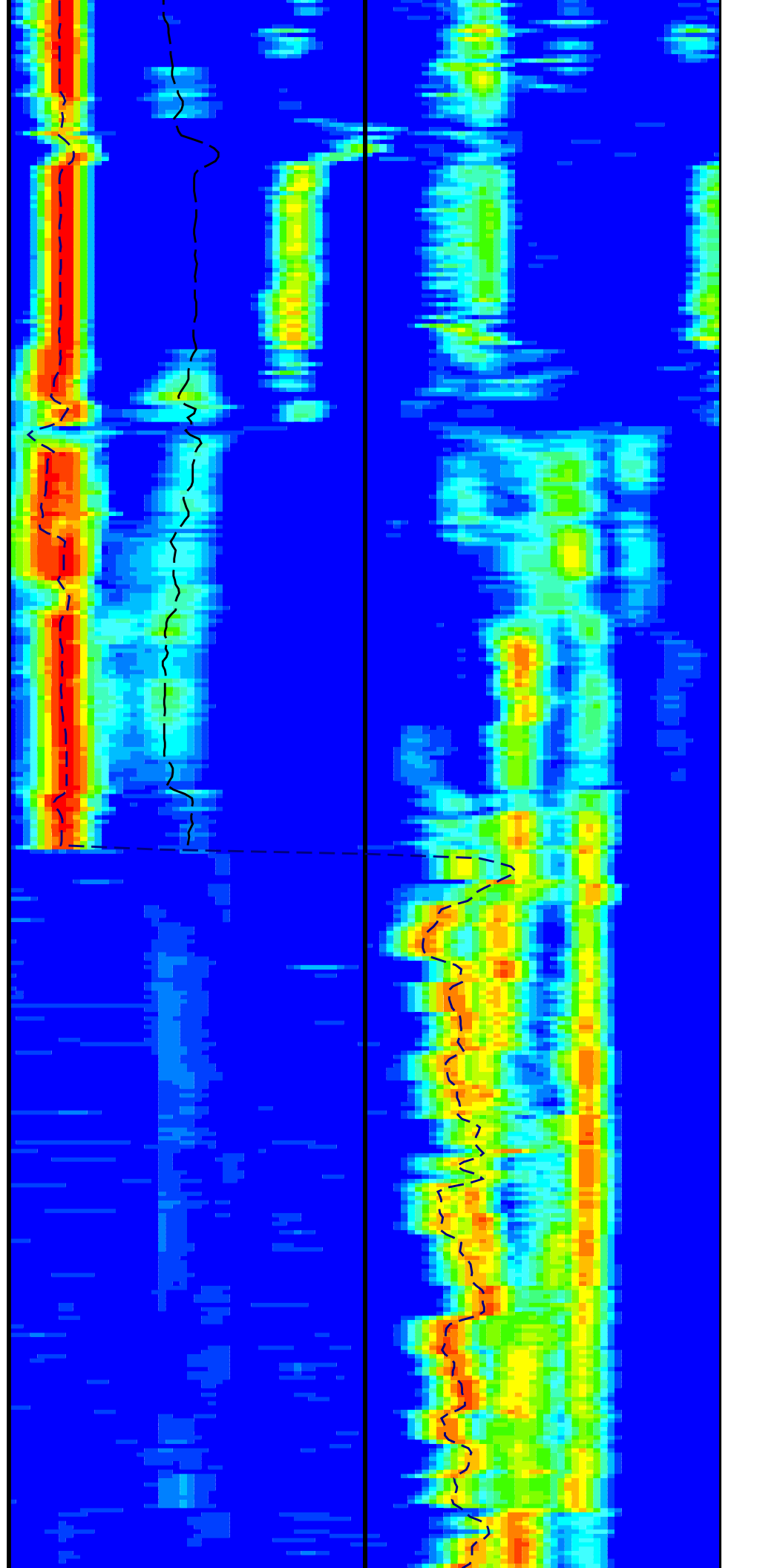
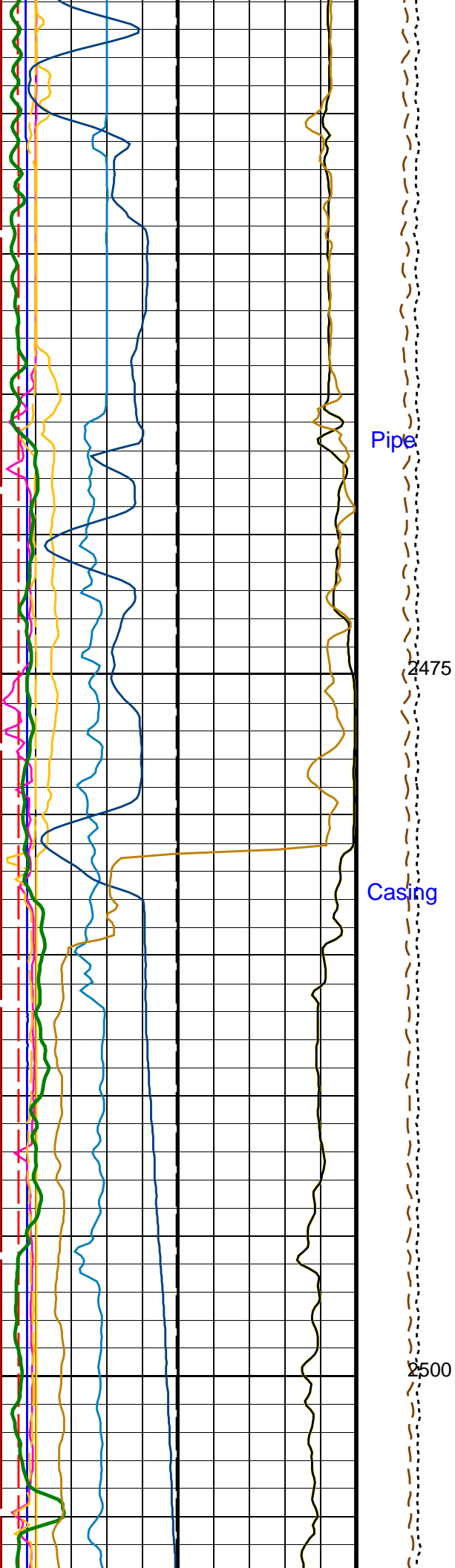


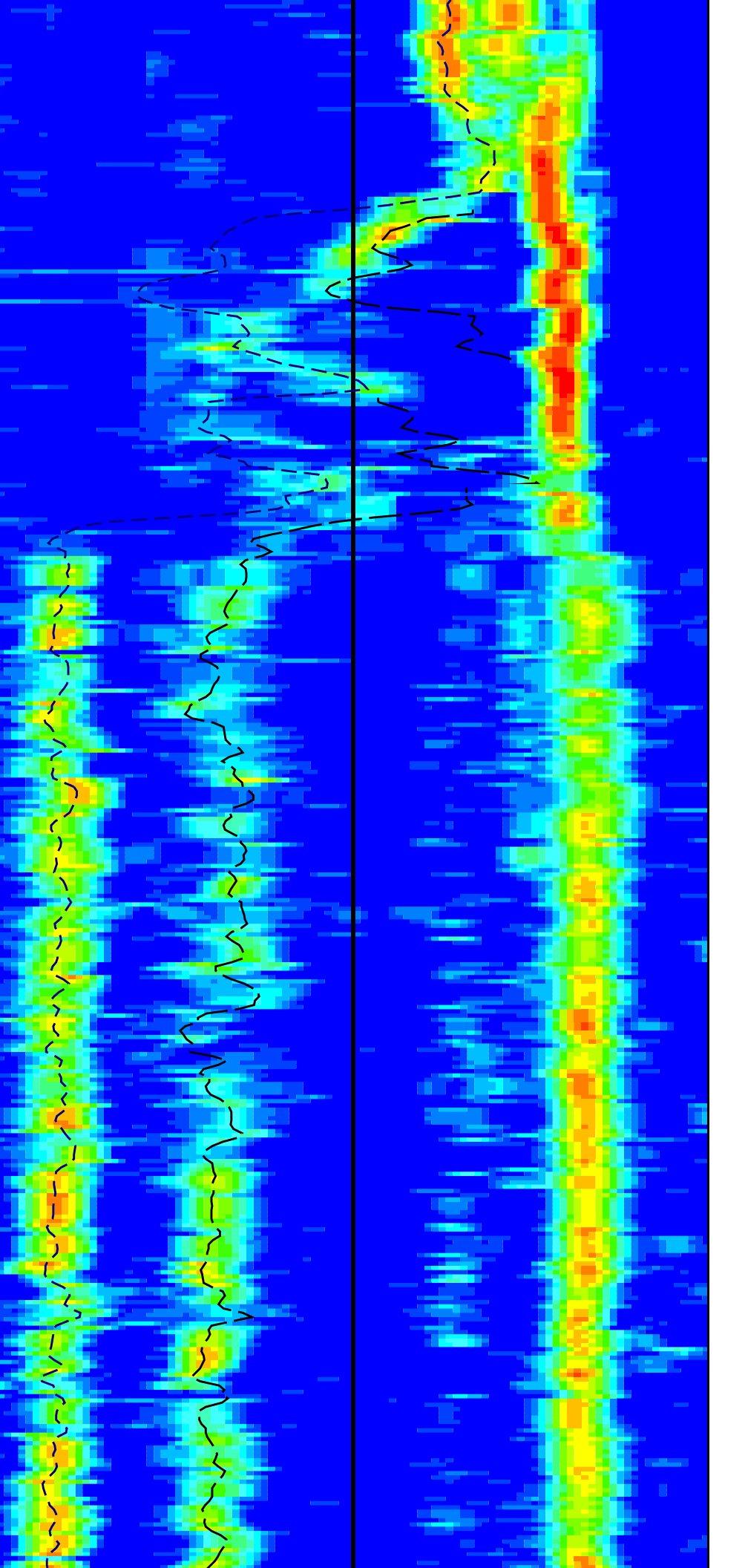


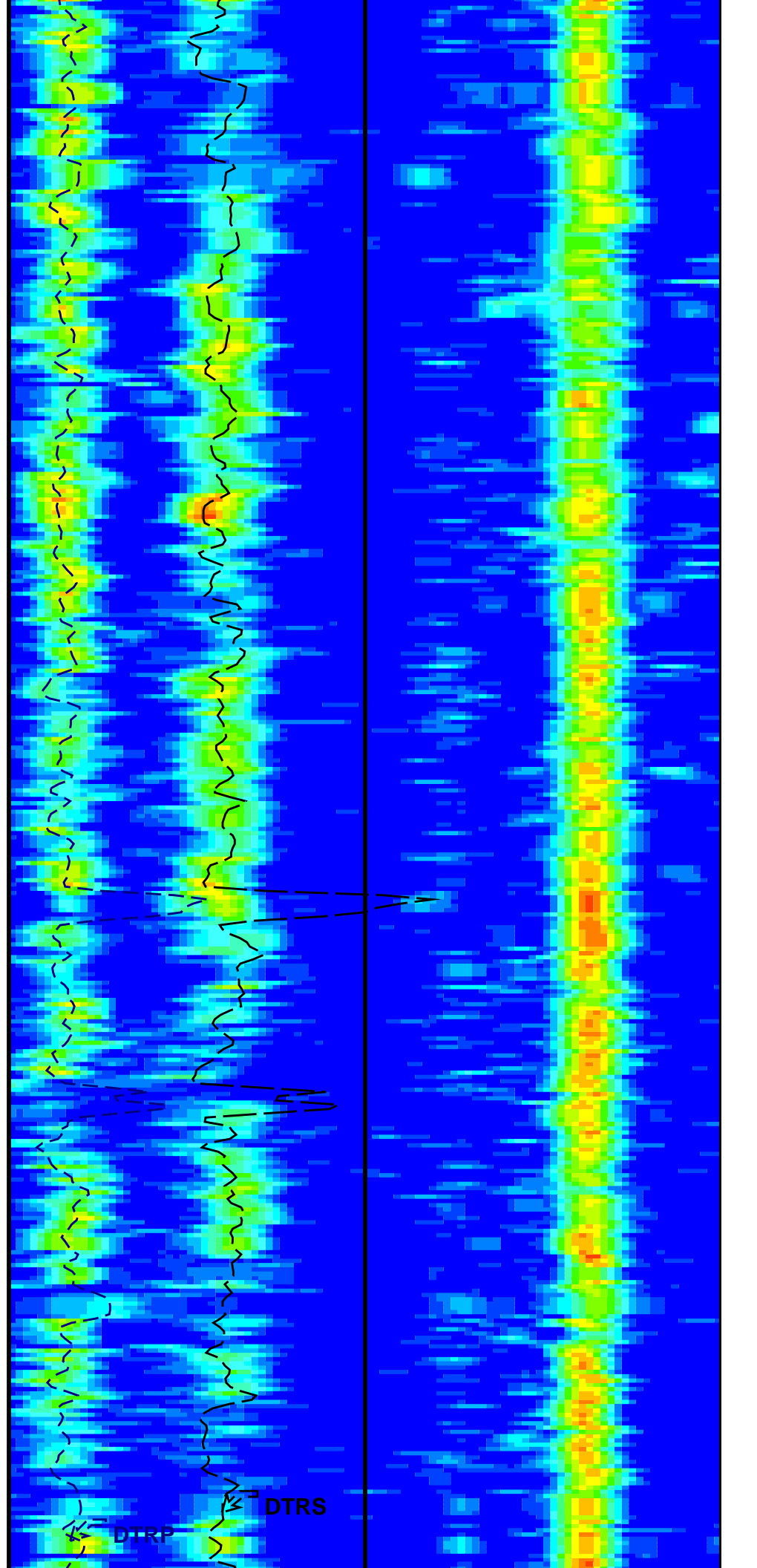
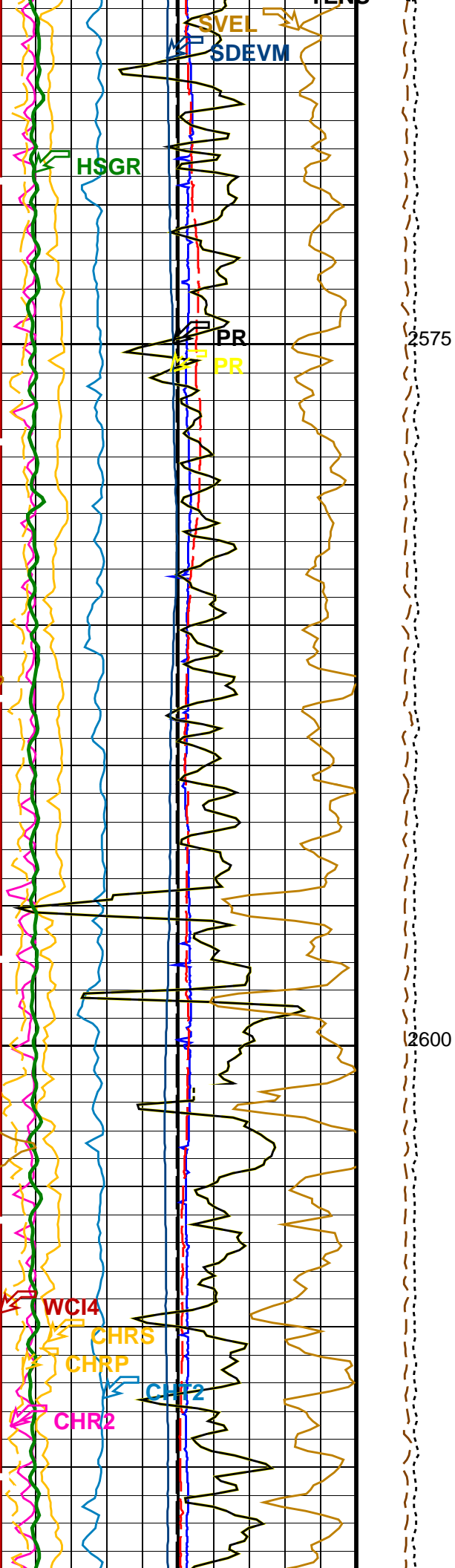


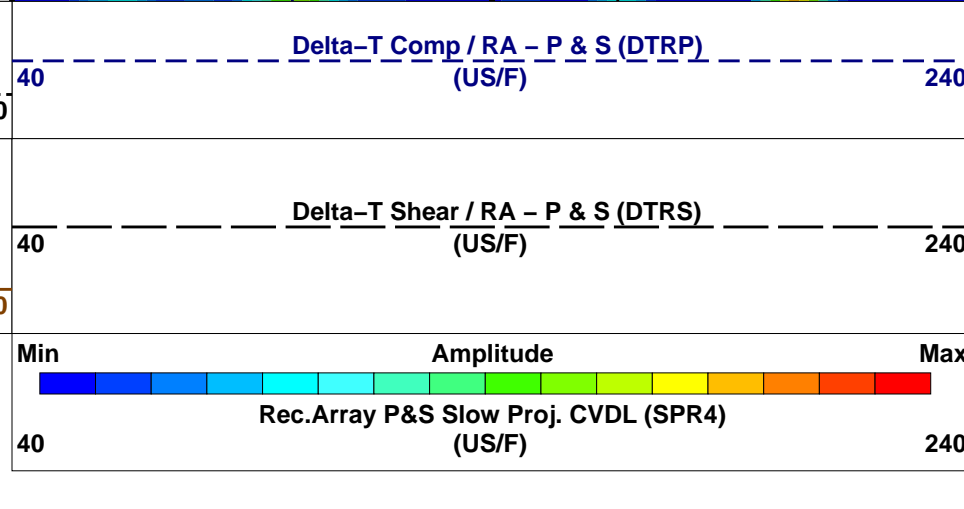
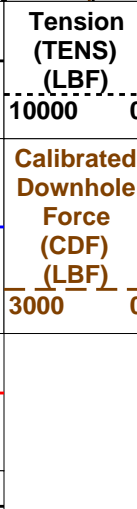
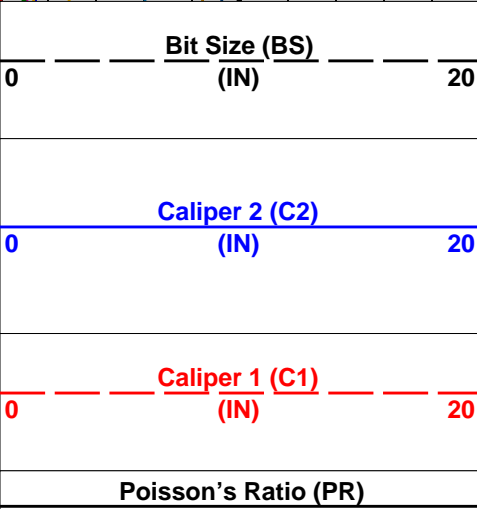
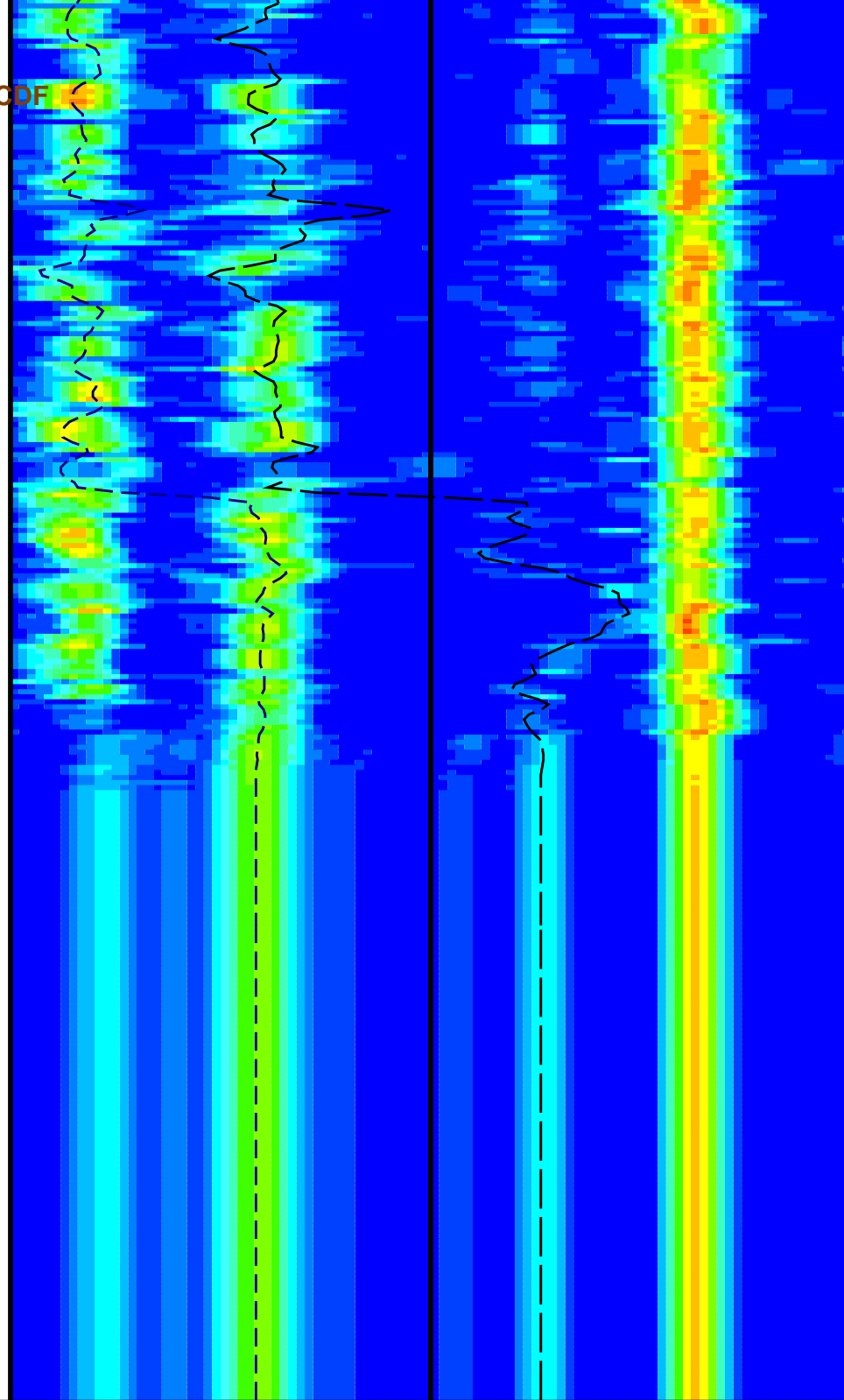
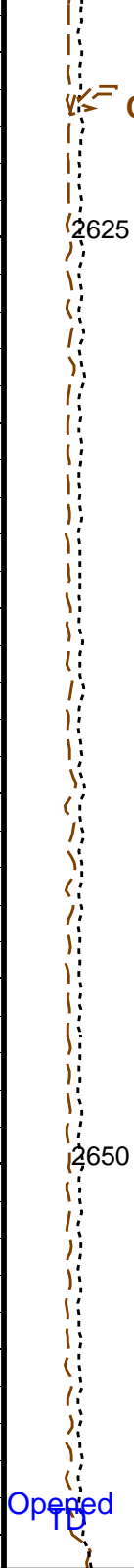
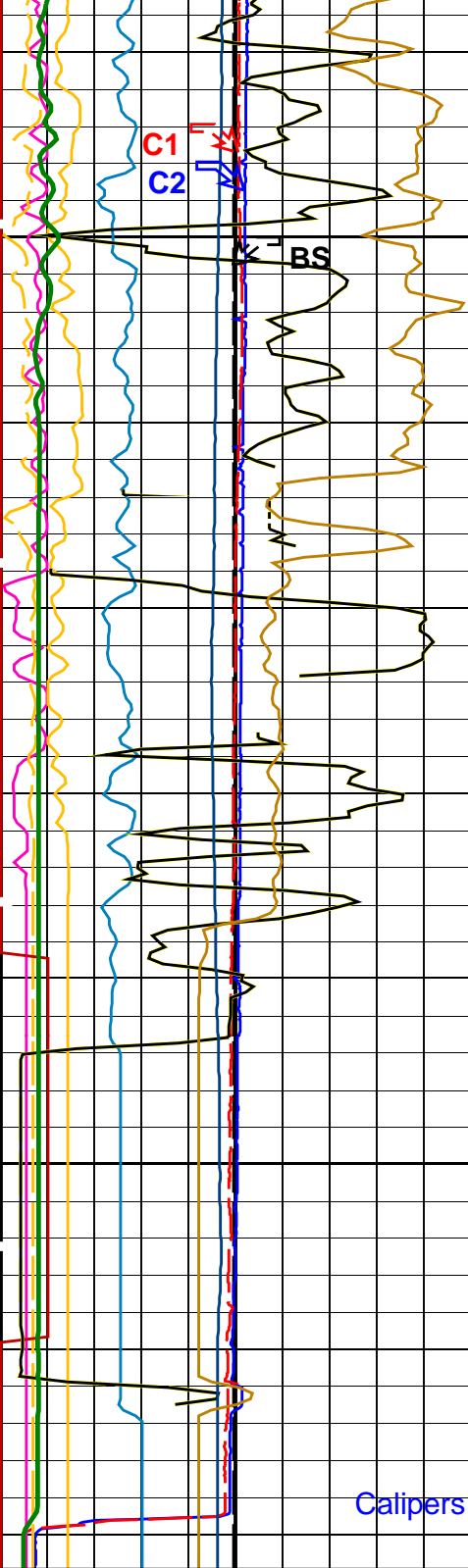












(-----)	0.5
Sonde Deviation (SDEVM)	
0	10
(DEG)	
Sonic Velocity (SVEL)	
1000	6000
(M/S)	
Poisson's Ratio (PR)	
0	0.5
(-----)	
Peak Coherence / RA – Upper Dipole (CHR2)	
0	10
(-----)	
Peak Coherence / TA – Upper Dipole (CHT2)	
-2	8
(-----)	
Peak Coherence / RA – P & S Comp (CHRP)	
0	10
(-----)	
Peak Coherence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

Uplog 2

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	-13.1567	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	40	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	
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	70	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	195	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	
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	–0.000830234	
HALF	HNGBS Alpha Filter Length	60	IN
HCRB	HNGBS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
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	0.958872	
VBA2	HNGBS Detector 2 Variable Barite Factor Running Average	0.97138	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	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: 09–Jul–2021 03:19

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

DEFAULT	FMS_DSI_NGS_024LUP	FN:37	PRODUCER	09–Jul–2021 01:29	2660.9 M	1871.9 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:49	PRODUCER	09–Jul–2021 03:19
BACKUP	FMS_DSI_NGS_031PUP	FN:50	PRODUCER	09–Jul–2021 03:19

Input DLIS Files

DEFAULT

FMS_DSI_NGS_024LUP

FN:37

PRODUCER

09-Jul-2021 01:29

2660.9 M

1871.9 M

Output DLIS Files

DEFAULT

FMS_DSI_NGS_031PUP

FN:49

PRODUCER

09-Jul-2021 03:19

2660.9 M

1871.9 M

BACKUP

FMS_DSI_NGS_031PUP

FN:50

PRODUCER

09-Jul-2021 03:19

2660.9 M

1871.9 M

OP System Version: 19C0-187

MEST-B

19C0-187

DTA-A

19C0-187

DSST-B

19C0-187

HNGC-B

19C0-187

HNGS-BA

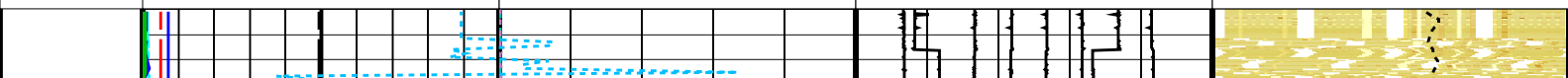
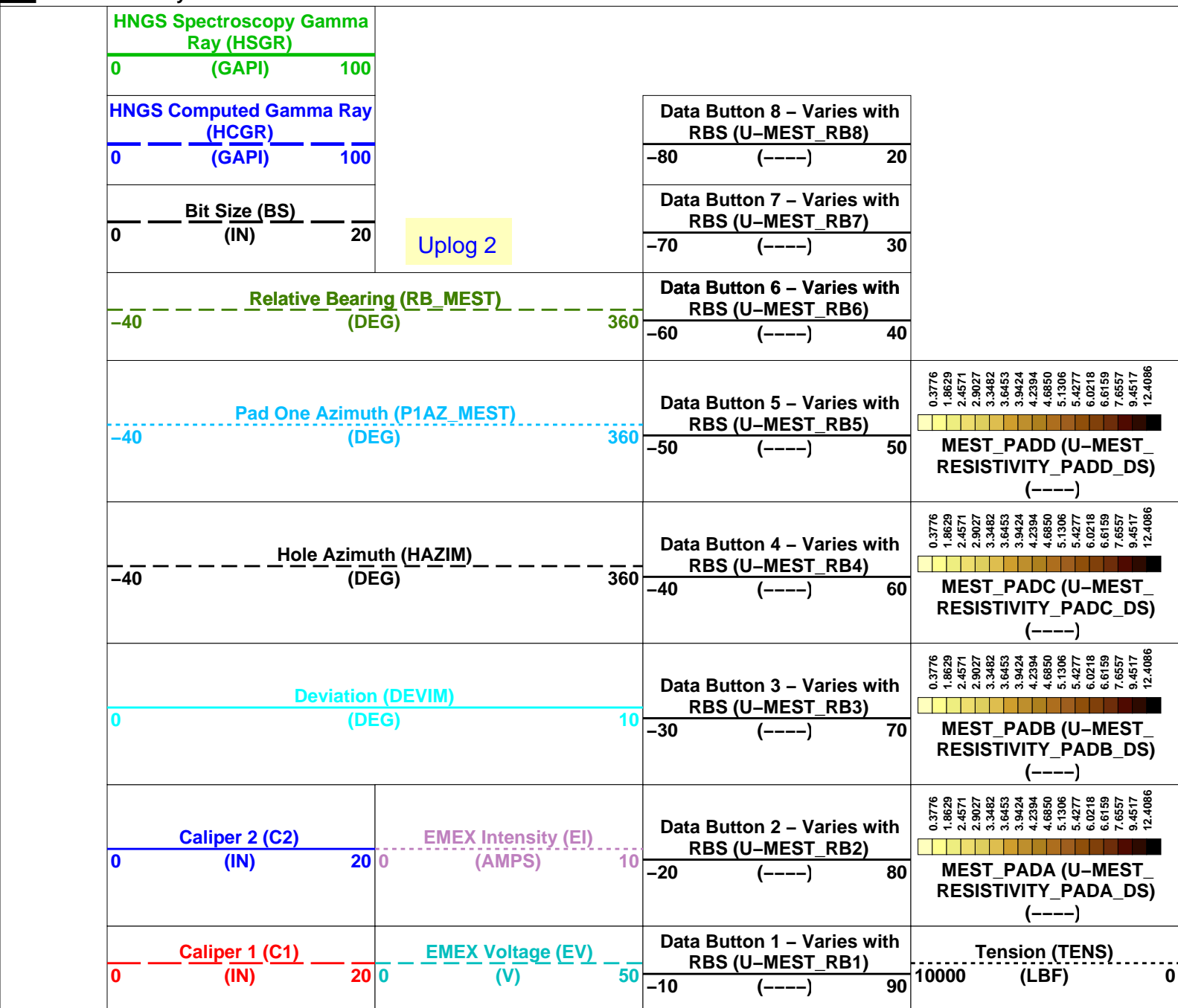
19C0-187

DTC-H

19C0-187

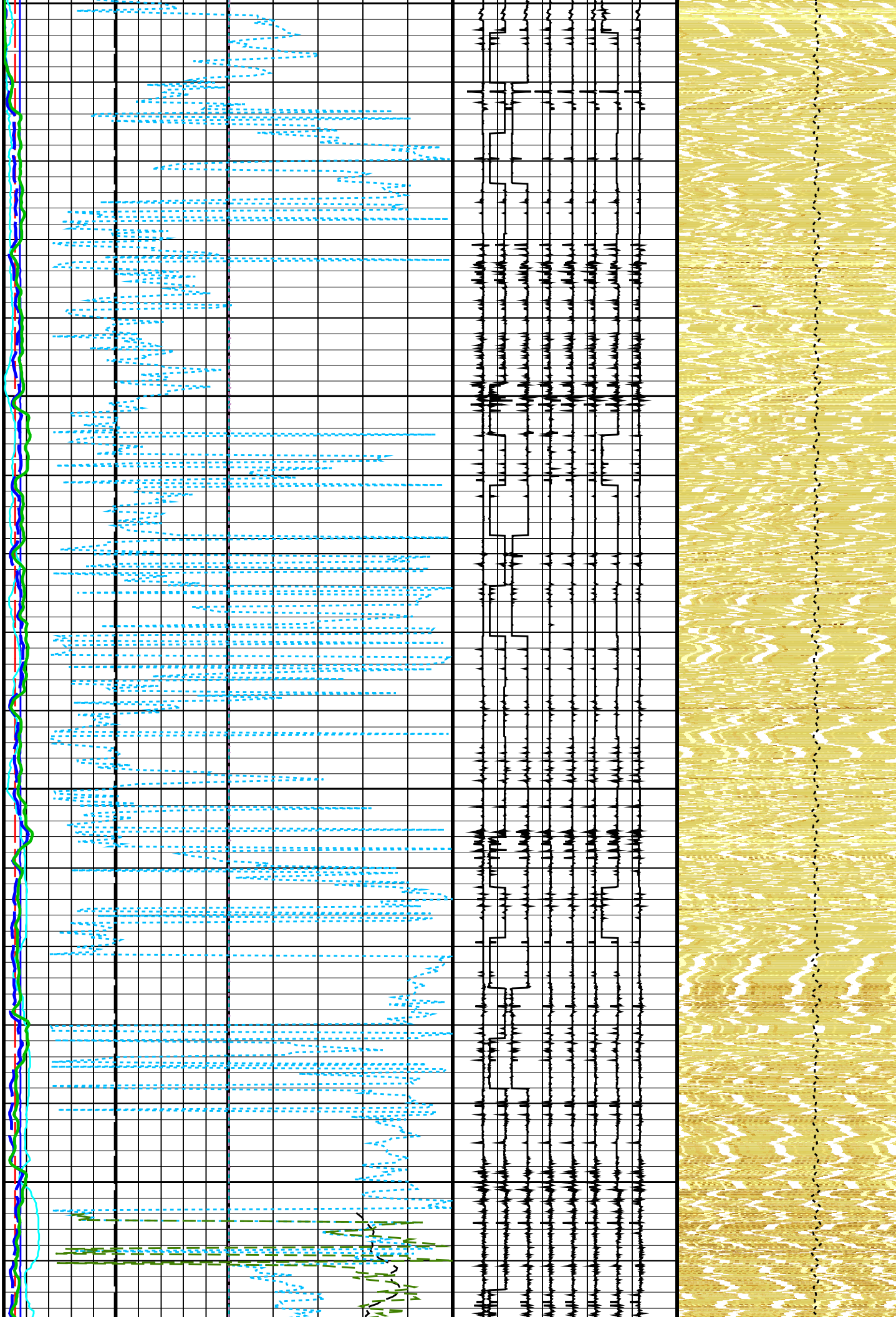
PIP SUMMARY

Time Mark Every 60 S

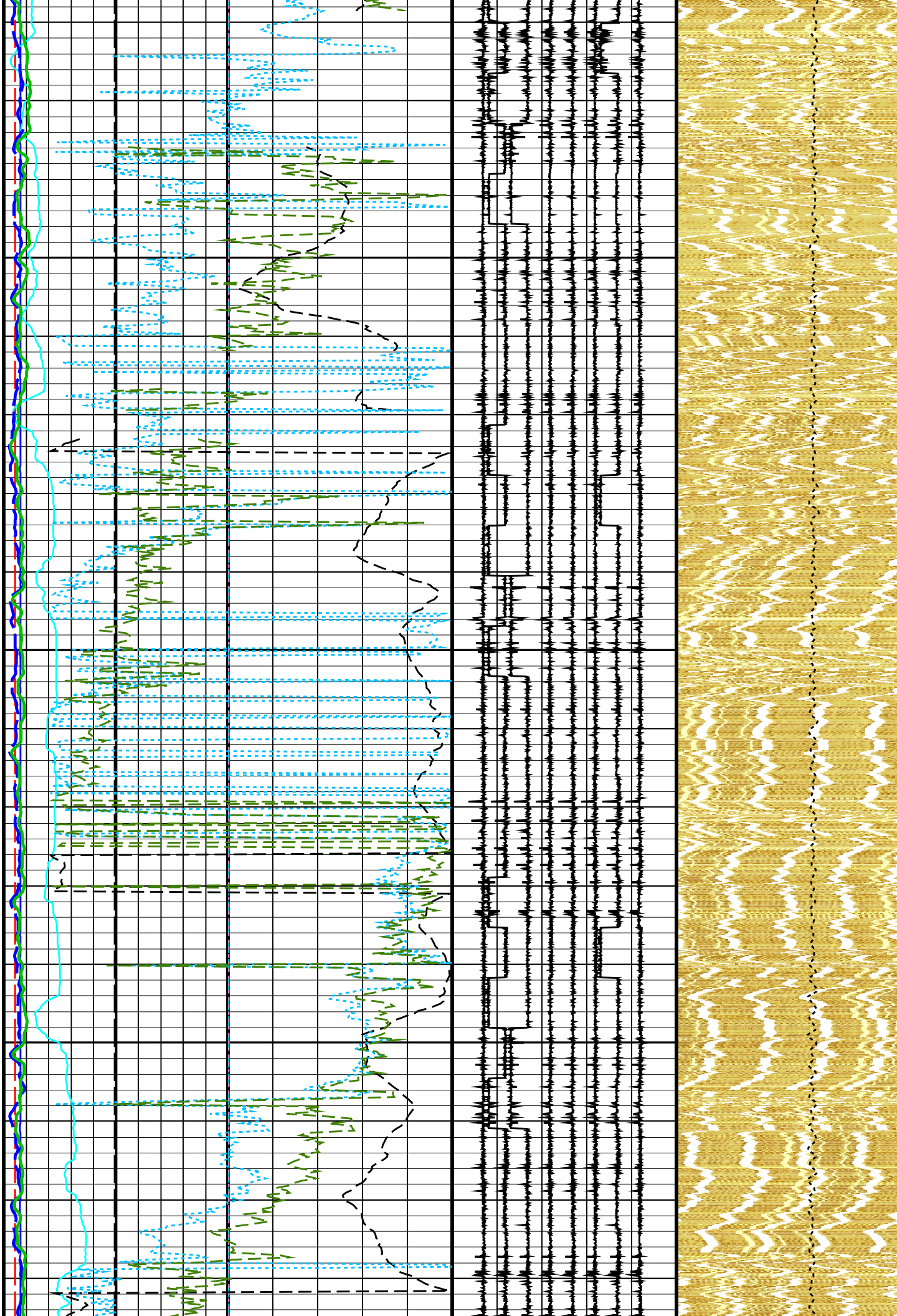


1900

1950

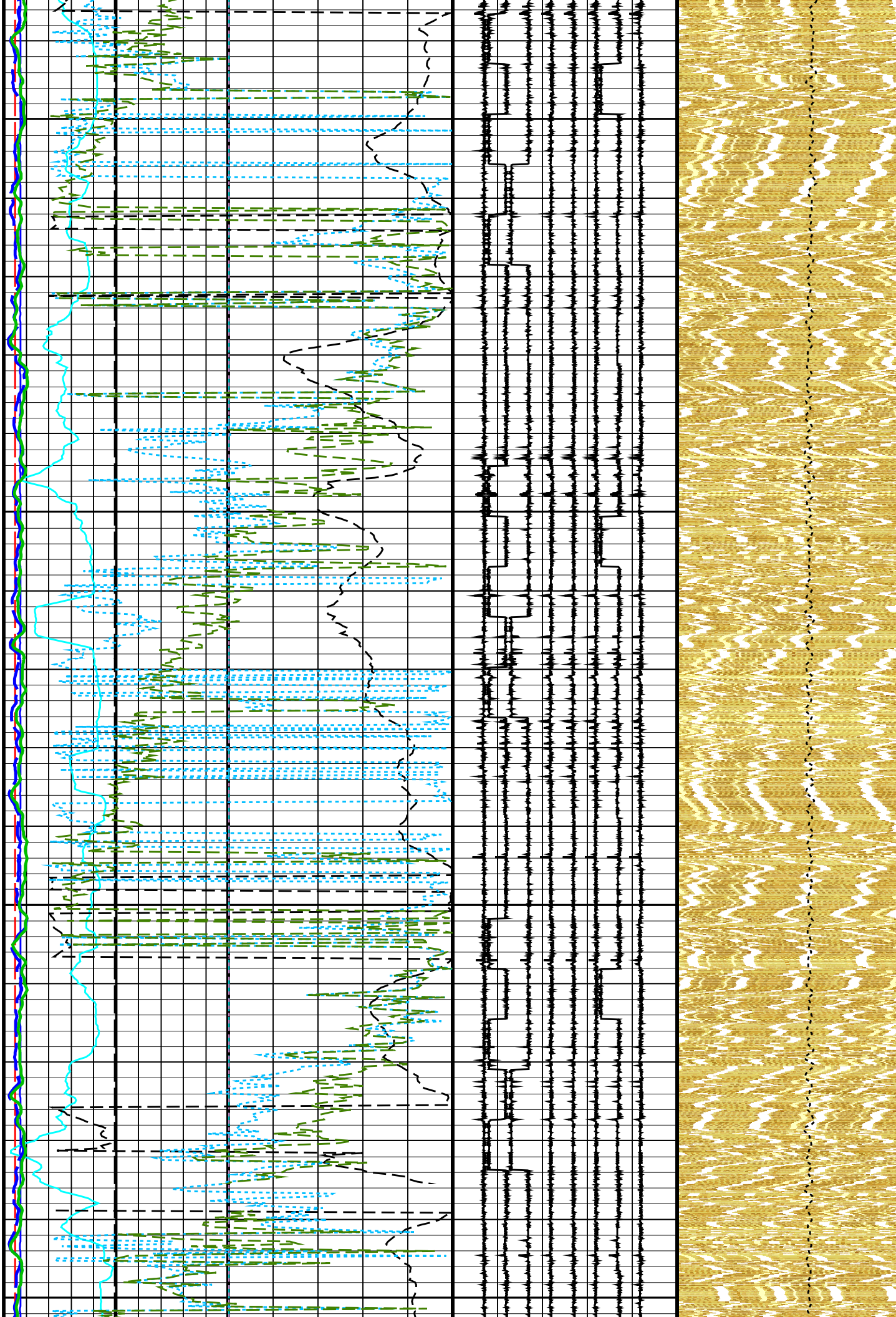


2000



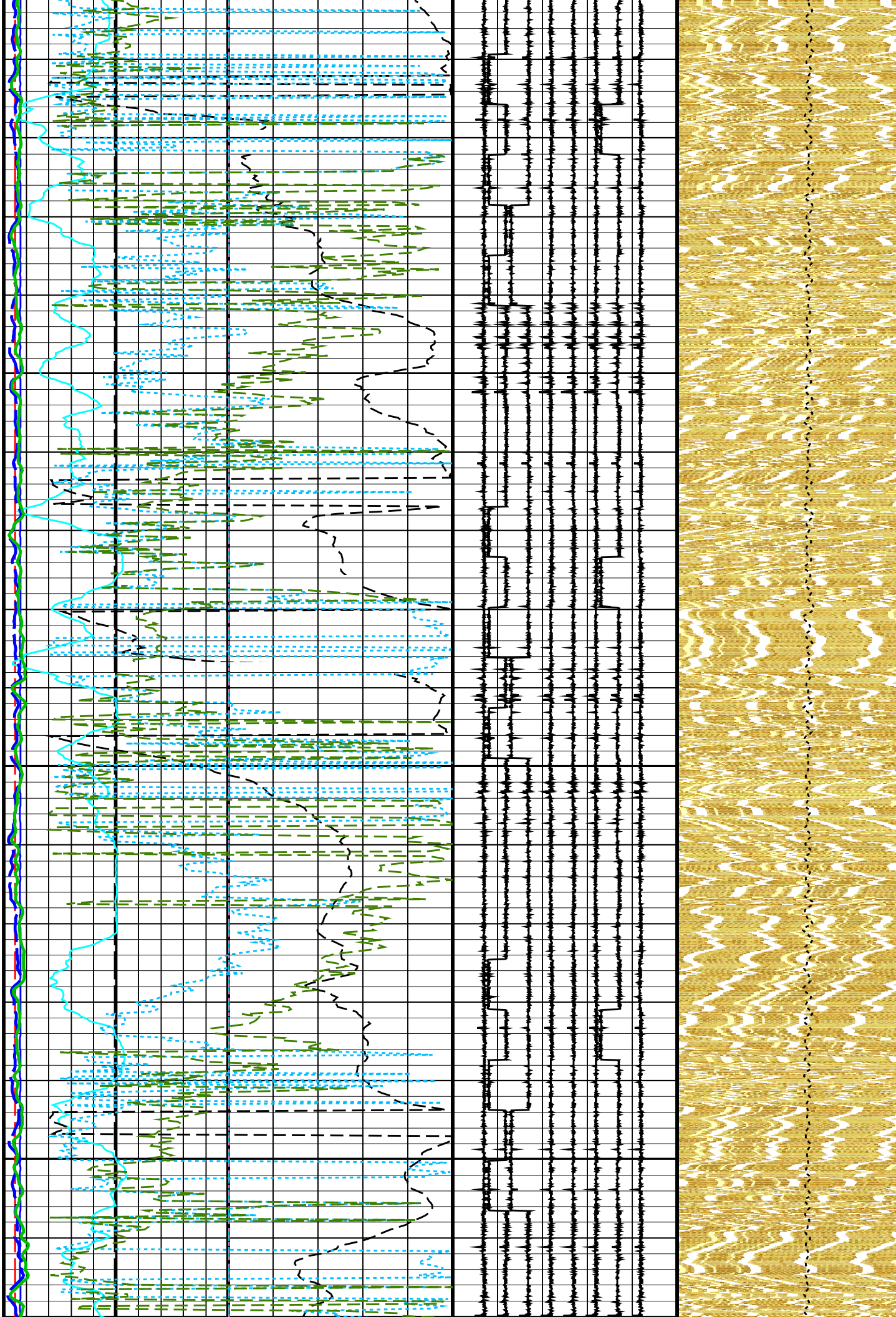
2050

2100

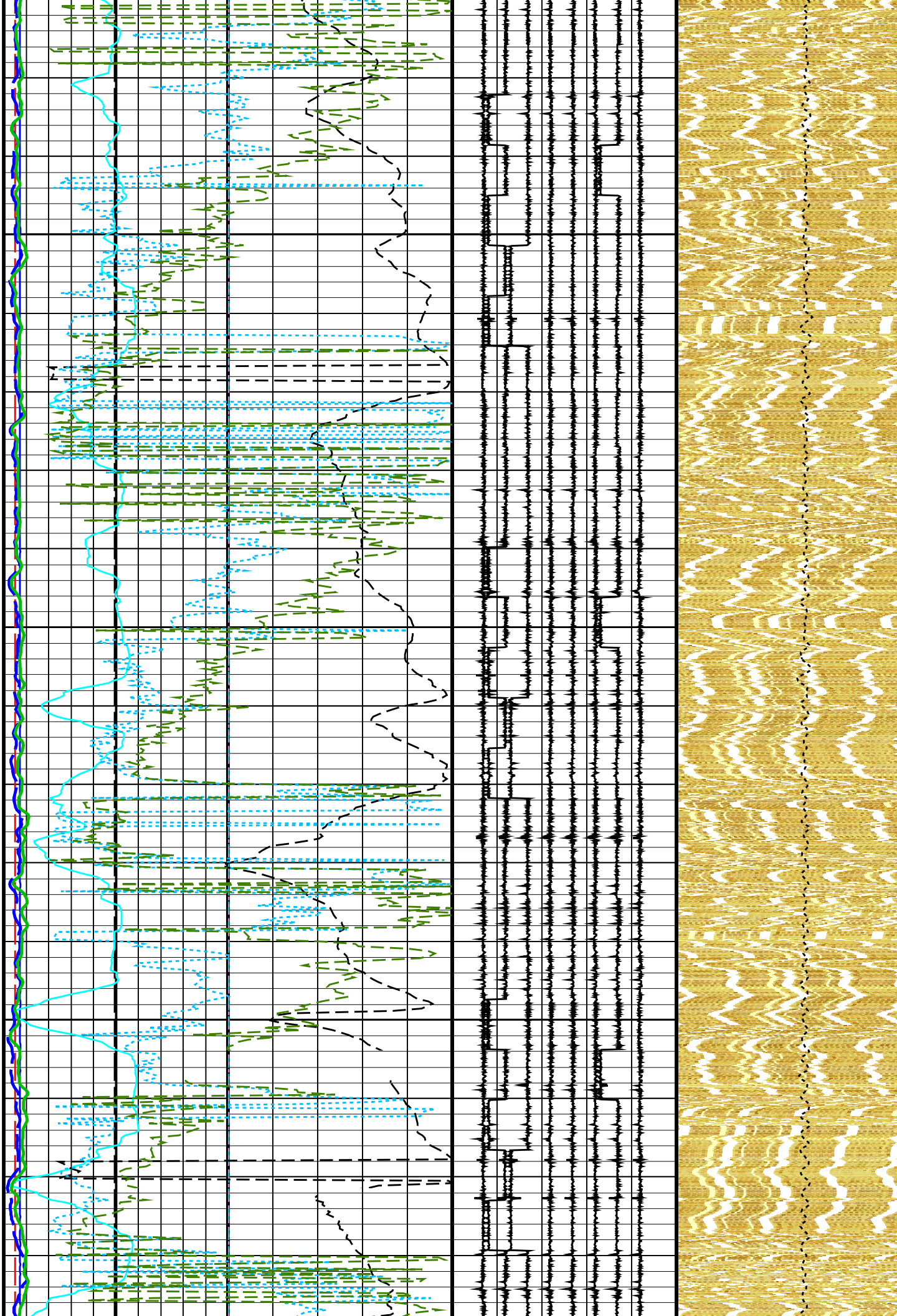


2150

2200

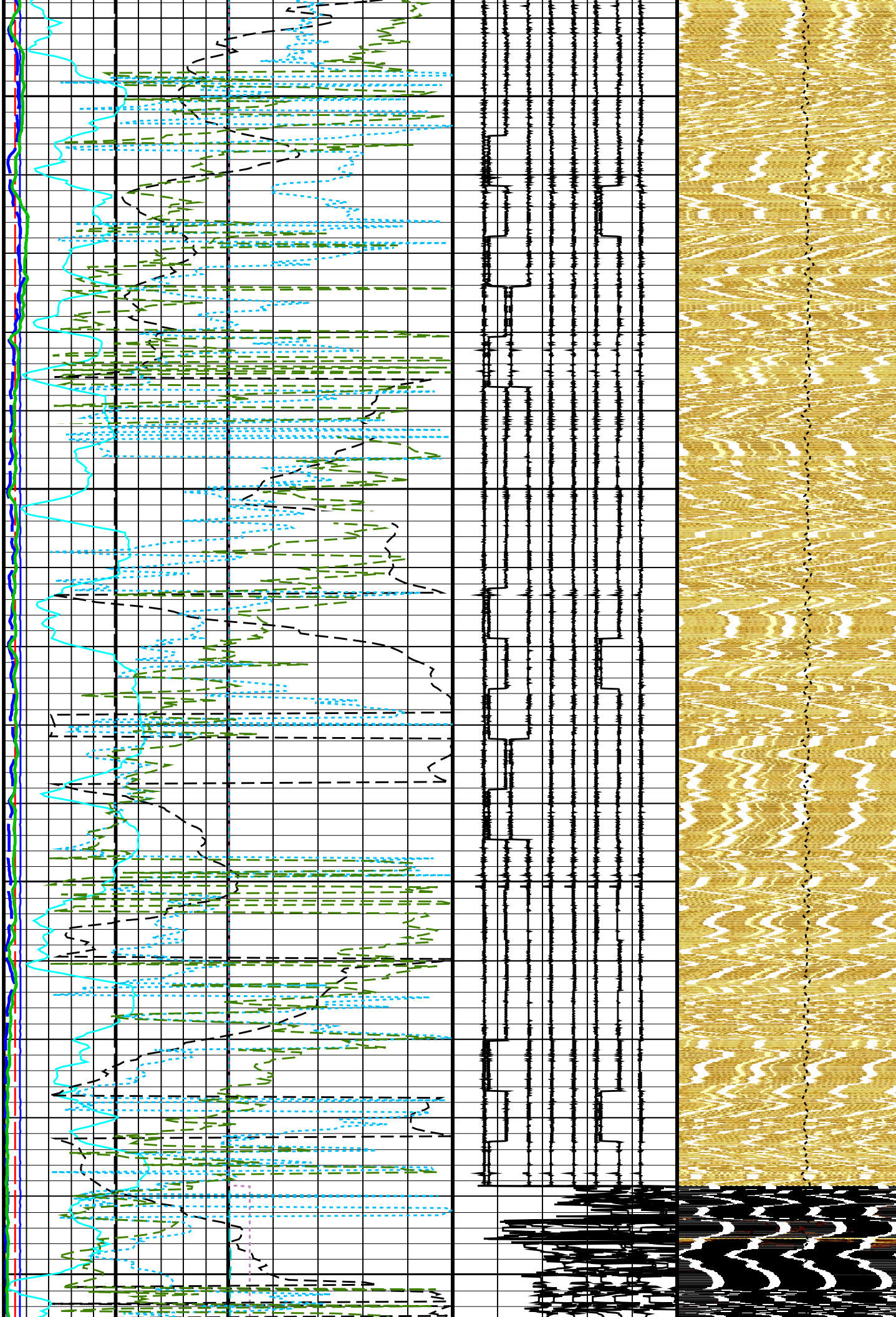


2250



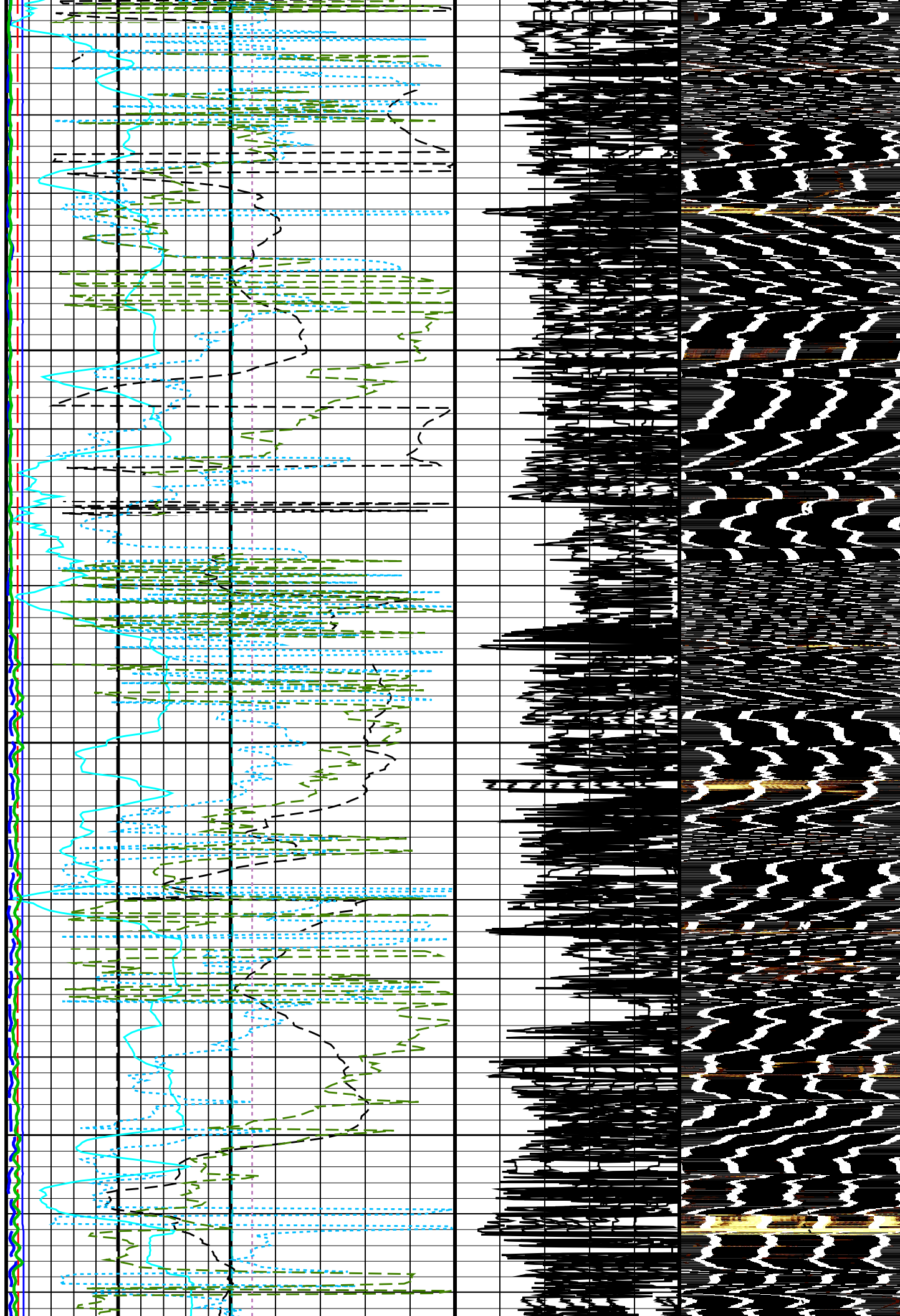
2300

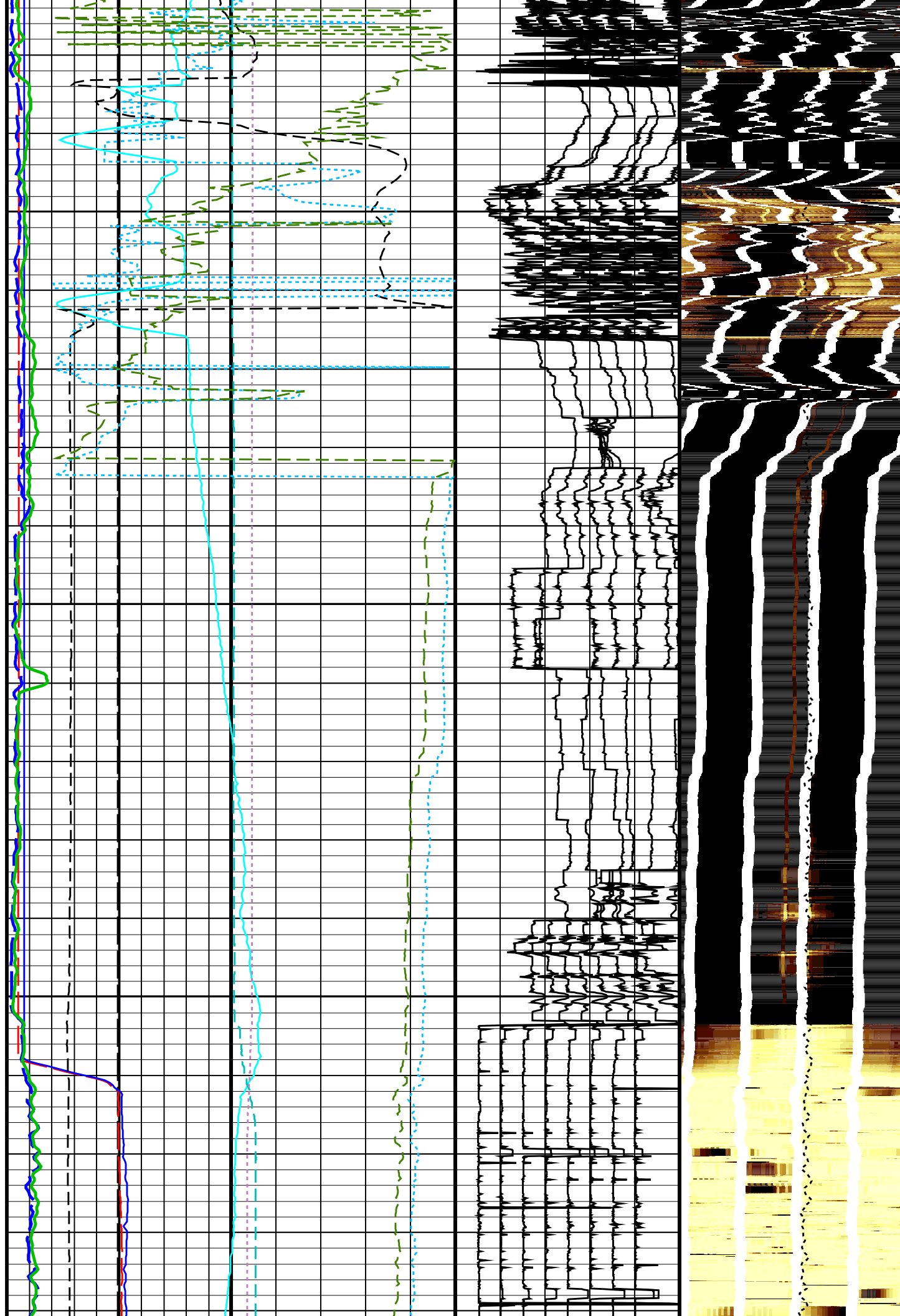
2350



2400

2450

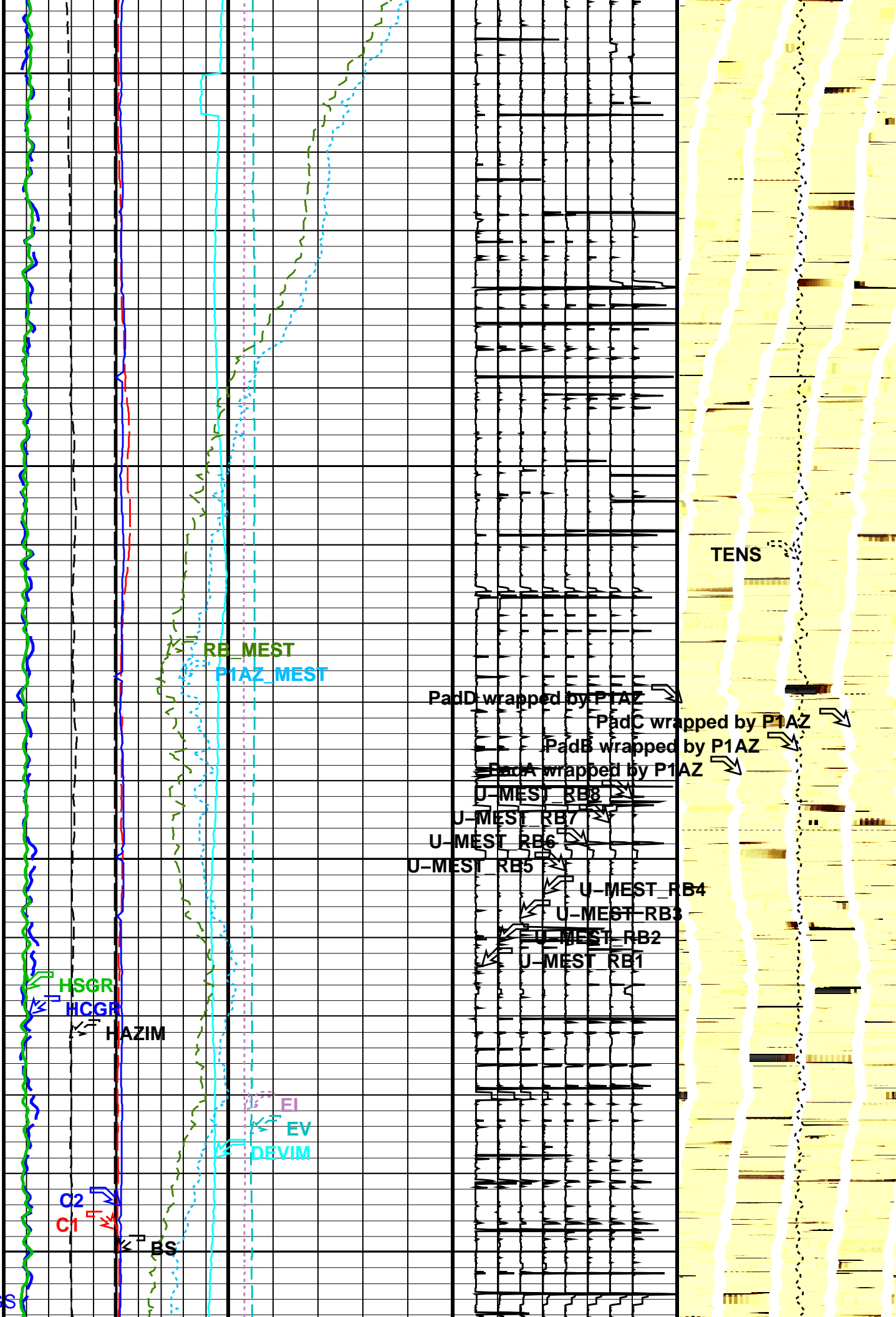


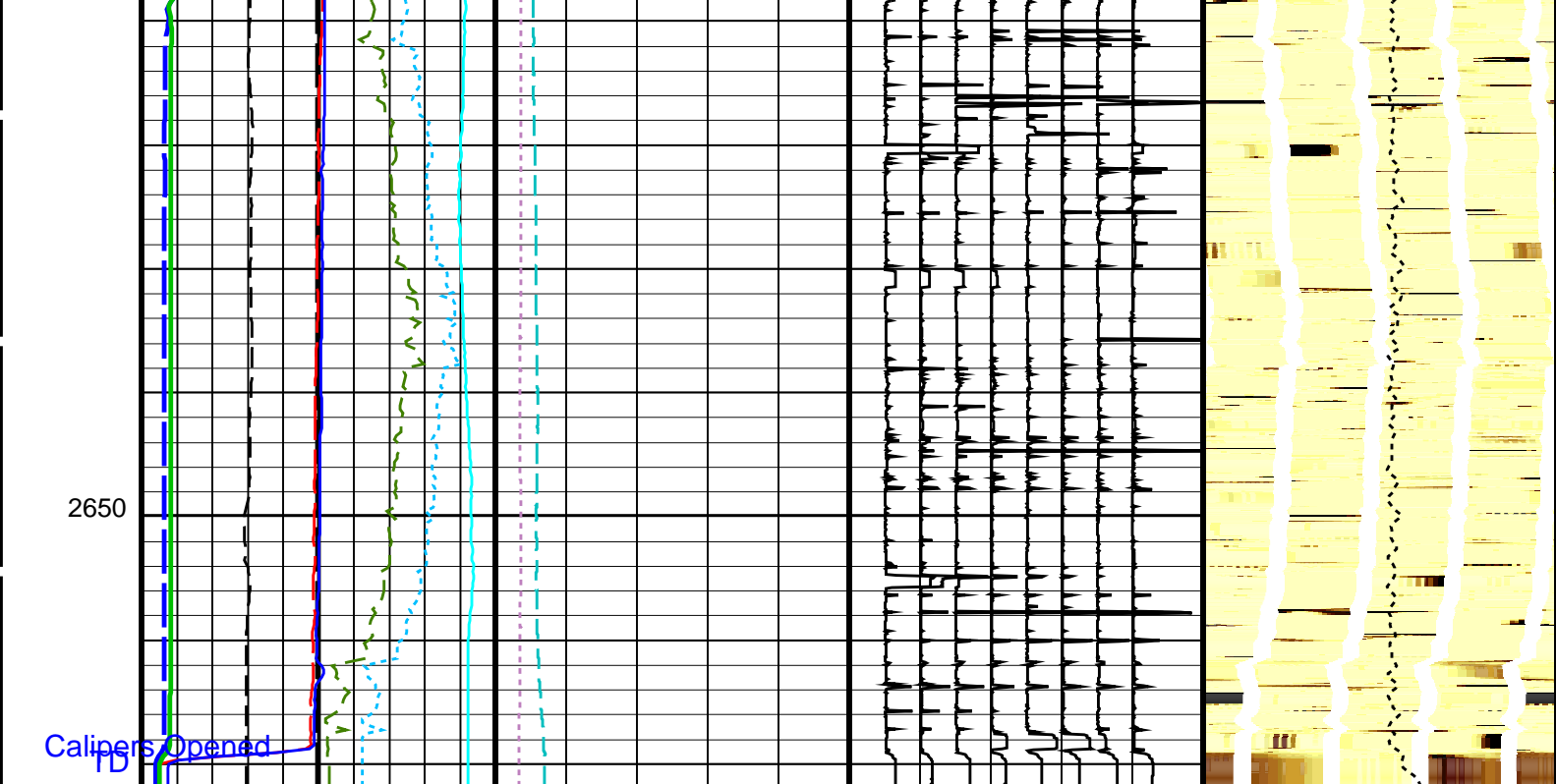


2550

2600

FR HNGS





<div>Caliper 1 (C1) (IN)</div> <div>020</div>		<div>EMEX Voltage (EV) (V)</div> <div>050</div>	<div>Data Button 1 – Varies with RBS (U-MEST_RB1)</div> <div>-1090</div>	<div>Tension (TENS) (LBF)</div> <div>100000</div>
<div>Caliper 2 (C2) (IN)</div> <div>020</div>		<div>EMEX Intensity (EI) (AMPS)</div> <div>010</div>	<div>Data Button 2 – Varies with RBS (U-MEST_RB2)</div> <div>-2080</div>	<div>MEST_PADA (U-MEST_RESISTIVITY_PADA_DS) (-----)</div> <div>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>Deviation (DEVIM) (DEG)</div> <div>010</div>			<div>Data Button 3 – Varies with RBS (U-MEST_RB3)</div> <div>-3070</div>	<div>MEST_PADB (U-MEST_RESISTIVITY_PADB_DS) (-----)</div> <div>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>Hole Azimuth (HAZIM) (DEG)</div> <div>-40360</div>			<div>Data Button 4 – Varies with RBS (U-MEST_RB4)</div> <div>-4060</div>	<div>MEST_PADC (U-MEST_RESISTIVITY_PADC_DS) (-----)</div> <div>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>Pad One Azimuth (P1AZ_MEST) (DEG)</div> <div>-40360</div>			<div>Data Button 5 – Varies with RBS (U-MEST_RB5)</div> <div>-5050</div>	<div>MEST_PADD (U-MEST_RESISTIVITY_PADD_DS) (-----)</div> <div>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>Relative Bearing (RB_MEST) (DEG)</div> <div>-40360</div>			<div>Data Button 6 – Varies with RBS (U-MEST_RB6)</div> <div>-6040</div>	
<div>Bit Size (BS) (IN)</div> <div>020</div>	<div>Uplog 2</div>		<div>Data Button 7 – Varies with RBS (U-MEST_RB7)</div> <div>-7030</div>	
<div>HNGS Computed Gamma Ray (HCGR) (GAPI)</div> <div>0100</div>			<div>Data Button 8 – Varies with RBS (U-MEST_RB8)</div> <div>-8020</div>	
<div>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)</div> <div>0100</div>				

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	-13.1567	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	-0.000830234	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958872	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.97138	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	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: 09-Jul-2021 03:19

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

DEFAULT	FMS DSI NGS 024LUP	FN:37	PRODUCER	09-Jul-2021 01:29	2660.9 M	1871.9 M
---------	--------------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:49	PRODUCER	09-Jul-2021 03:19
BACKUP	FMS_DSI_NGS_031PUP	FN:50	PRODUCER	09-Jul-2021 03:19

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
-------------	---------	--------	--------	-------	--------	-------	-------

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: 8-Jul-2021 22:13

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: 8-Jul-2021 22:13

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 After: 2-May-2021 10:16

Na 511 Peak Loc	40.00	39.25	39.64	39.73	0.09286	1.000	
Na 511 Peak Res	15.50	16.53	14.84	15.11	0.2734	2.000	%
High Voltage	1150	1197	1168	1198	30.38	N/A	V
Na 1785 Peak Loc	142.6	141.8	143.3	141.2	-2.089	7.000	
Na 1785 Peak Res	8.500	8.905	7.709	9.136	1.427	2.000	%
Temperature	15.50	26.59	11.69	26.63	14.94	N/A	DEGC
Na Count Rate	45.00	12.01	12.89	12.67	-0.2204	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 After: 2-May-2021 10:16

Na 511 Peak Loc	40.00	39.88	39.51	39.79	0.2834	1.000	
Na 511 Peak Res	15.50	15.29	15.27	15.32	0.05639	2.000	%
High Voltage	1150	1122	1090	1121	30.63	N/A	V
Na 1785 Peak Loc	142.6	142.6	140.8	142.5	1.645	7.000	
Na 1785 Peak Res	8.500	8.040	9.507	10.27	0.7659	2.000	%
Temperature	15.50	27.21	12.30	27.24	14.94	N/A	DEGC
Na Count Rate	45.00	12.32	13.60	12.95	-0.6521	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 After: 2-May-2021 10:16

Coincidence Count Rate Ratio	1.000	0.9728	0.9527	0.9769	0.02428	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
----------------	----------	-----

Auxiliary Equipment:
HNGC Housing

HNGH – A

3

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:
HNGS Sonde

HNGS – BA

99

Auxiliary Equipment:
HNGS Sonde Housing
Gamma Source Radioactive

HNSH – BA
GSR – U

102
6098

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

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		
After			39.73	After			15.11	After			1198		
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)					
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		
After			141.2	After			9.136	After			26.63		
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										
After			12.67										
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)													

Master: 2-May-2021 10:04

Before: 13-Jun-2021 9:44

After: 2-May-2021 10:16

Hostile Natural Gamma Ray Sonde Wellsite Calibration




Detector 2 Check

Phase	Na 511 Peak Loc		Value	Phase	Na 511 Peak Res %		Value	Phase	High Voltage V		Value
Master			39.88	Master			15.29	Master			1122
Before			39.51	Before			15.27	Before			1090
After			39.79	After			15.32	After			1121
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
After			142.5	After			10.27	After			27.24
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			12.32								
Before			13.60								
After			12.95								
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)											

Master: 2-May-2021 10:04

Before: 13-Jun-2021 9:44


After: 2-May-2021 10:16

Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9728
Before		0.9527
After		0.9769
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 2–May–2021 10:04		
Before: 13–Jun–2021 9:44		
After: 2–May–2021 10:16		

Hostile Natural Gamma Ray Sonde Master Calibration																		
Detector 1 Calibration																		
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value	Phase	Th Peak Res %			Value				
Master	<div><div></div></div>			41.00	Master	<div><div></div></div>			209.6	Master	<div><div></div></div>			6.625				
38.00 (Minimum)				40.00 (Nominal)	43.00 (Maximum)				201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)				5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)	
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value									
Master	<div><div></div></div>			17.82	Master	<div><div></div></div>			1.015									
10.00 (Minimum)				142.5 (Nominal)	265.0 (Maximum)				0.9400 (Minimum)						1.000 (Nominal)	1.060 (Maximum)		
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		
38.00 (Minimum)				40.00 (Nominal)	43.00 (Maximum)	201.0 (Minimum)				209.6 (Nominal)	218.3 (Maximum)	5.000 (Minimum)			7.000 (Nominal)	9.000 (Maximum)
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value							
Master	<div><div></div></div>			16.78	Master	<div><div></div></div>			0.9961							
10.00 (Minimum)				142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)									1.000 (Nominal)	1.060 (Maximum)
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

Company:	International Ocean Discovery Program	
Well:	Expedition 395C, Site U1554F	
Field:	North Atlantic Mantle Convection&Climate	
Rig:	JOIDES Resolution	
Ocean:	Atlantic	
Formation Micro Scanner (FMS) Dipole Shear Sonic (DSI)		

