



**DISCLAIMER**

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**OTHER SERVICES1**

- OS1: HRLA
- OS2: HLDS / APS
- OS3: MSS
- OS4: HNGS
- OS5: FMS

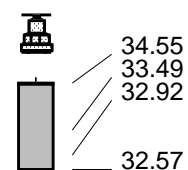
**REMARKS: RUN NUMBER 1**

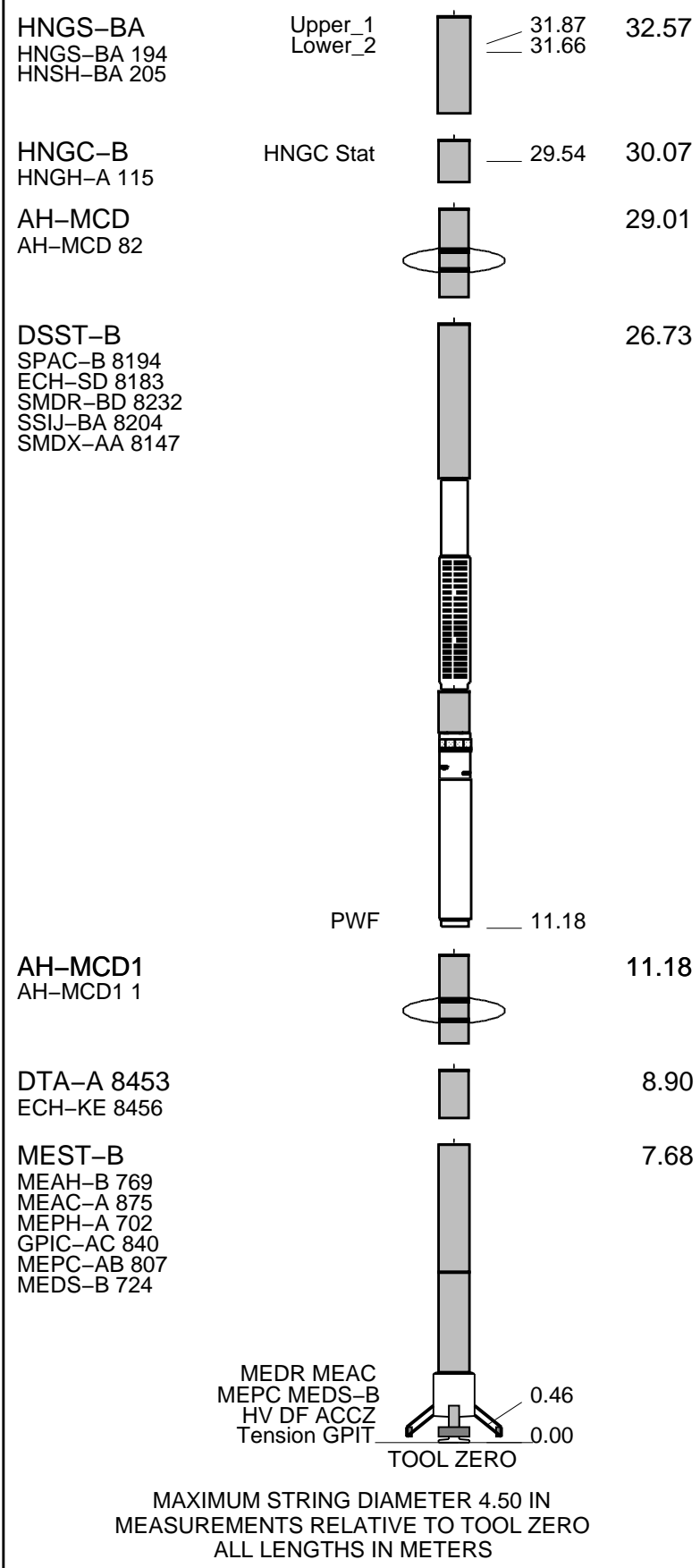
Hole drilled with RCB coring bit and bottom hole assembly (BHA). 9 7/8 " BS  
 Coring concluded approximately 24 hours prior to logging.  
 Drill pipe set at a depth of 92.3mbsf with a logging bit installed to facilitate wireline logging.  
 Downlog run with corrections computed using bit size; uplogs corrected for actual hole size using caliper.  
 FMS Calipers closed for downlog; calipers open for uplog with EMEX set to Auto mode.  
 DSI run with P&S=Std, Stoneley=Std, Upper Dipole = Std, and Lower Dipole = Low Freq. modes for all passes.  
 Tool string run centered using modified MCD inline centralizers, as per toolsketch.  
 Fluid type was sea water, as used to drill, so no barite corrections were required.  
 Depth originally recorded from drill floor; played back with sea floor as reference zero.  
 All logs presented in measured depth below sea floor (MDBSF).  
 Logs played back to correct Slowness labelling, apply GPIT corrections, and apply computed FMS contrast map.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 19C0-187			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

**EQUIPMENT DESCRIPTION**

RUN 1	RUN 2
<b>SURFACE EQUIPMENT</b>	
GSR-U 616008 WITM (EDTS)-A	

RUN 1	RUN 2
<b>DOWNHOLE EQUIPMENT</b>	
LEH-QT LEH-QT 1701 EDTC-B EDTH-B 8303 EDTC-B 8317 EDTG-A/B 8305	 MDSB_EDTC Mud Tempe CTEM Gamma Ray EFTB DIAG TelStatus EDTCB Ele
	34.55 35.44 33.49 32.92 34.55 32.57



Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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Kelly Bushing Elevation

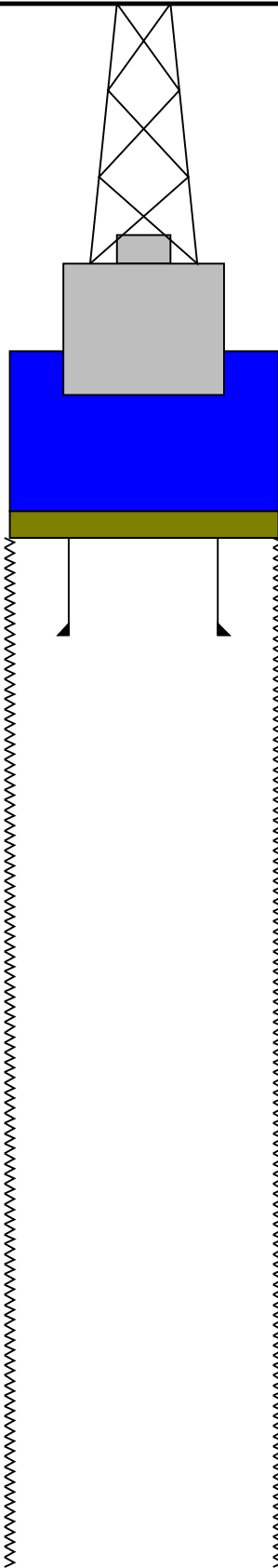
Derrick Floor Elevation

Mean Sea Level

-2127.3

-2127.3

-2117.3



0.0

92.3

5.500

980.4

9.875

Sea Floor

Bit Depth

Total Depth - Driller

**Schlumberger**

**Downlog  
1:200 Scale**

MAXIS Field Log

**Input DLIS Files**

DEFAULT	Flip_FMS_DSI_NGS_044LUP	PRODUCER	25-Apr-2014 03:46	3075.9 M	2098.5 M
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**Output DLIS Files**

DEFAULT	FMS_DSI_NGS_047PUP	FN:57	PRODUCER	25-Apr-2014 04:25	952.3 M	-25.0 M
CLIENT	FMS_DSI_NGS_047PUC	FN:58	CUSTOMER	25-Apr-2014 04:25	952.3 M	-25.0 M

**OP System Version: 19C0-187**

MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

# Changed Parameter Summary

**DLIS Name**

**New Value**

**Previous Value**

**Depth & Time**

DSHL


75 US/F  
220 US/F  
75 US/F

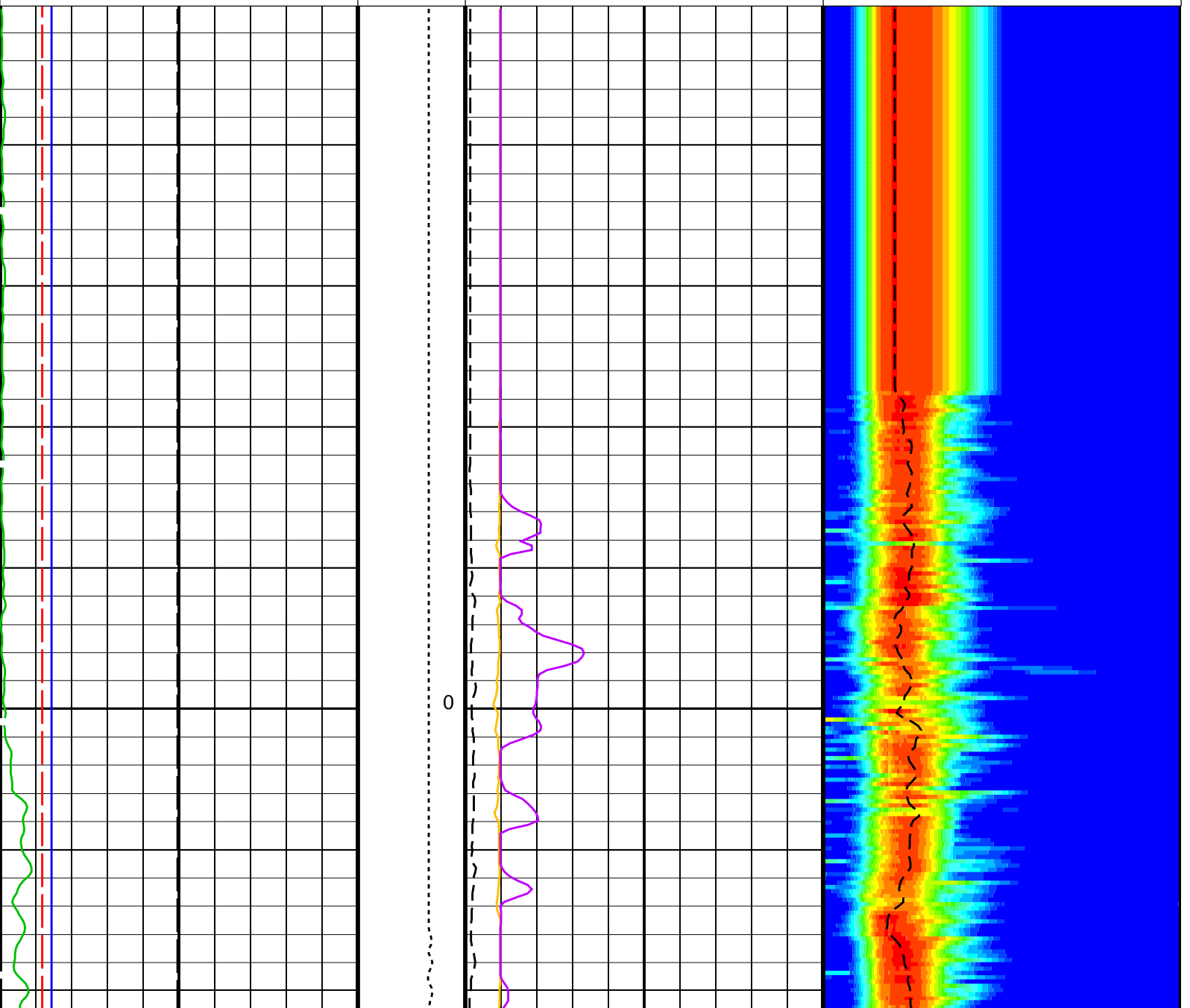
75 US/F  
75 US/F  
220 US/F

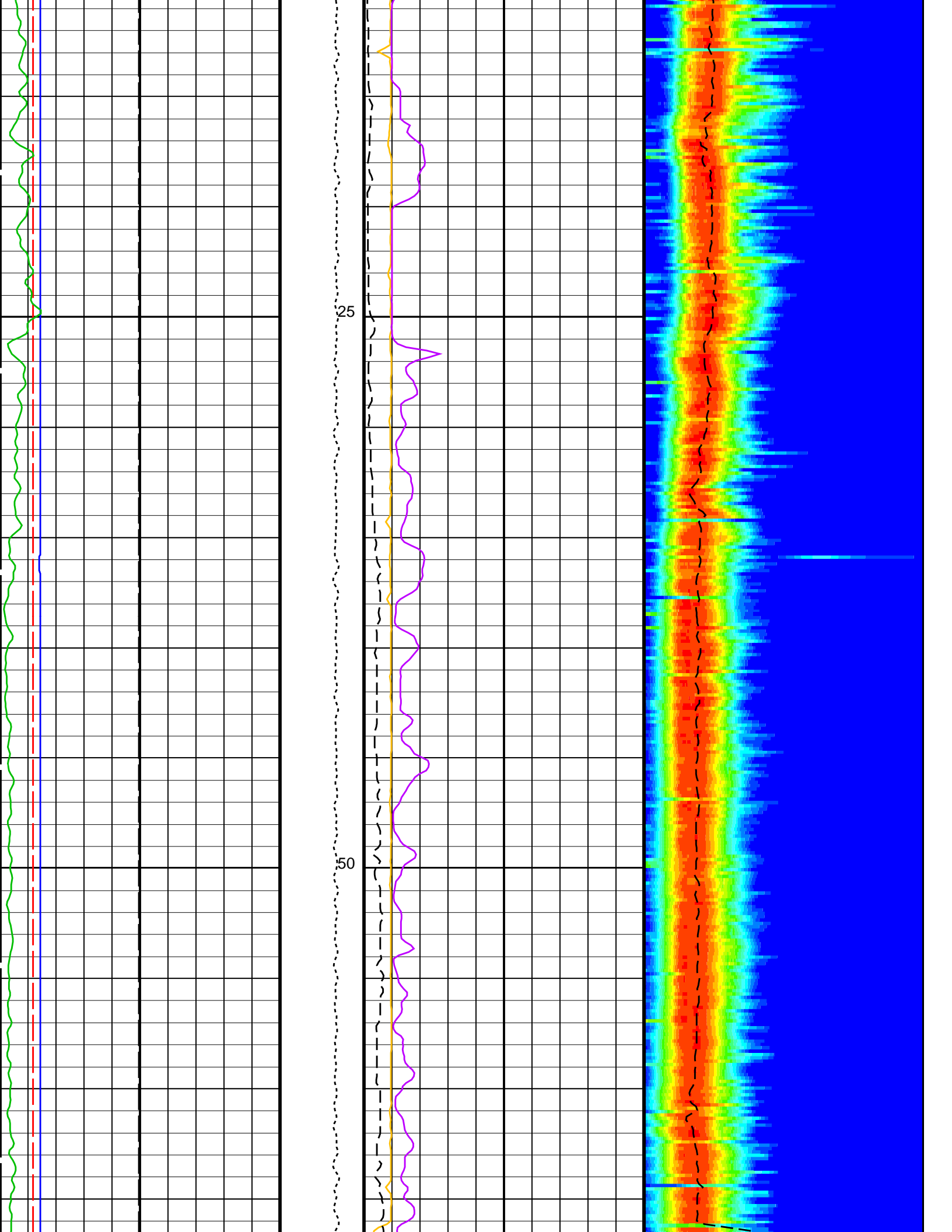
952.3 04:25:42  
219.9 04:27:29  
91.4 04:27:48

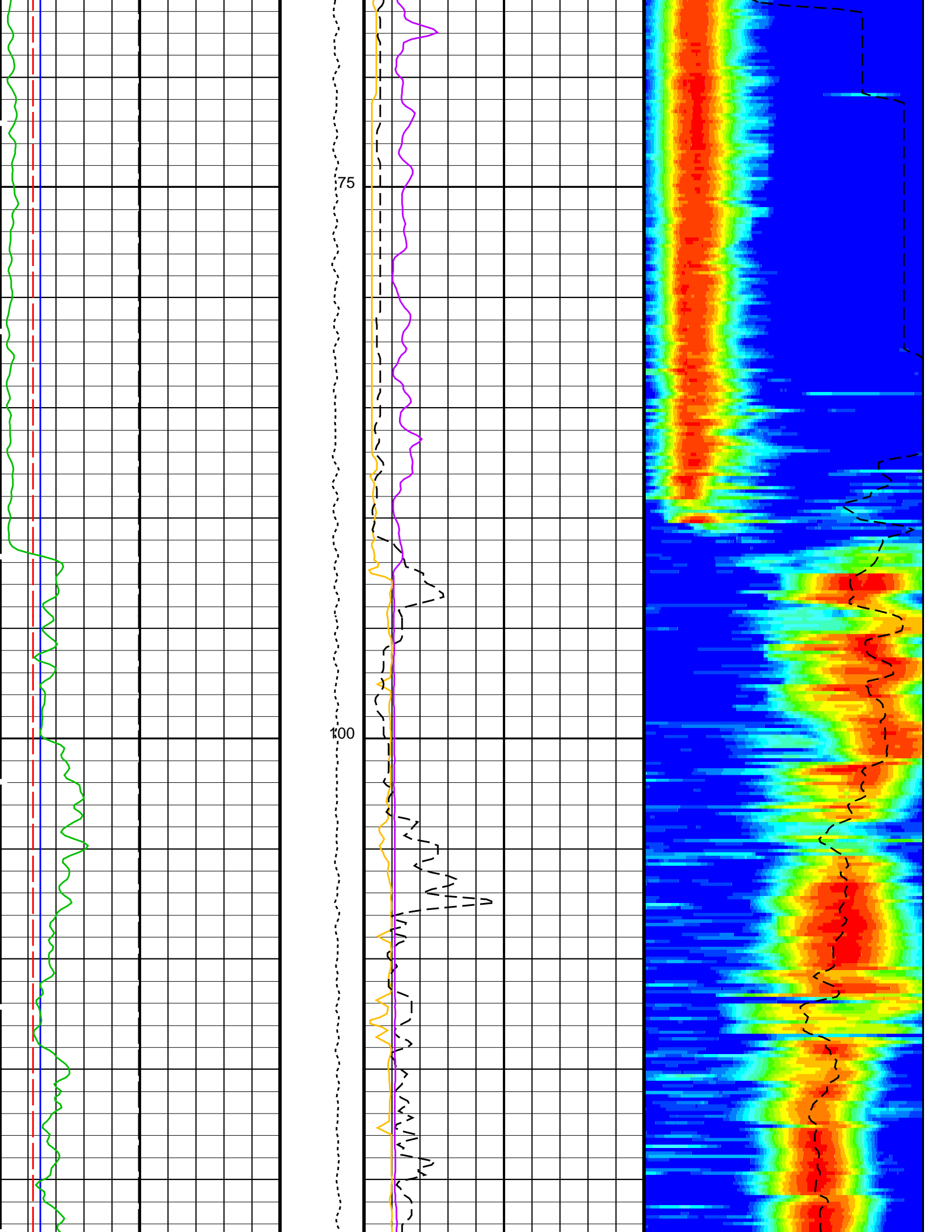
## PIP SUMMARY

Time Mark Every 60 S

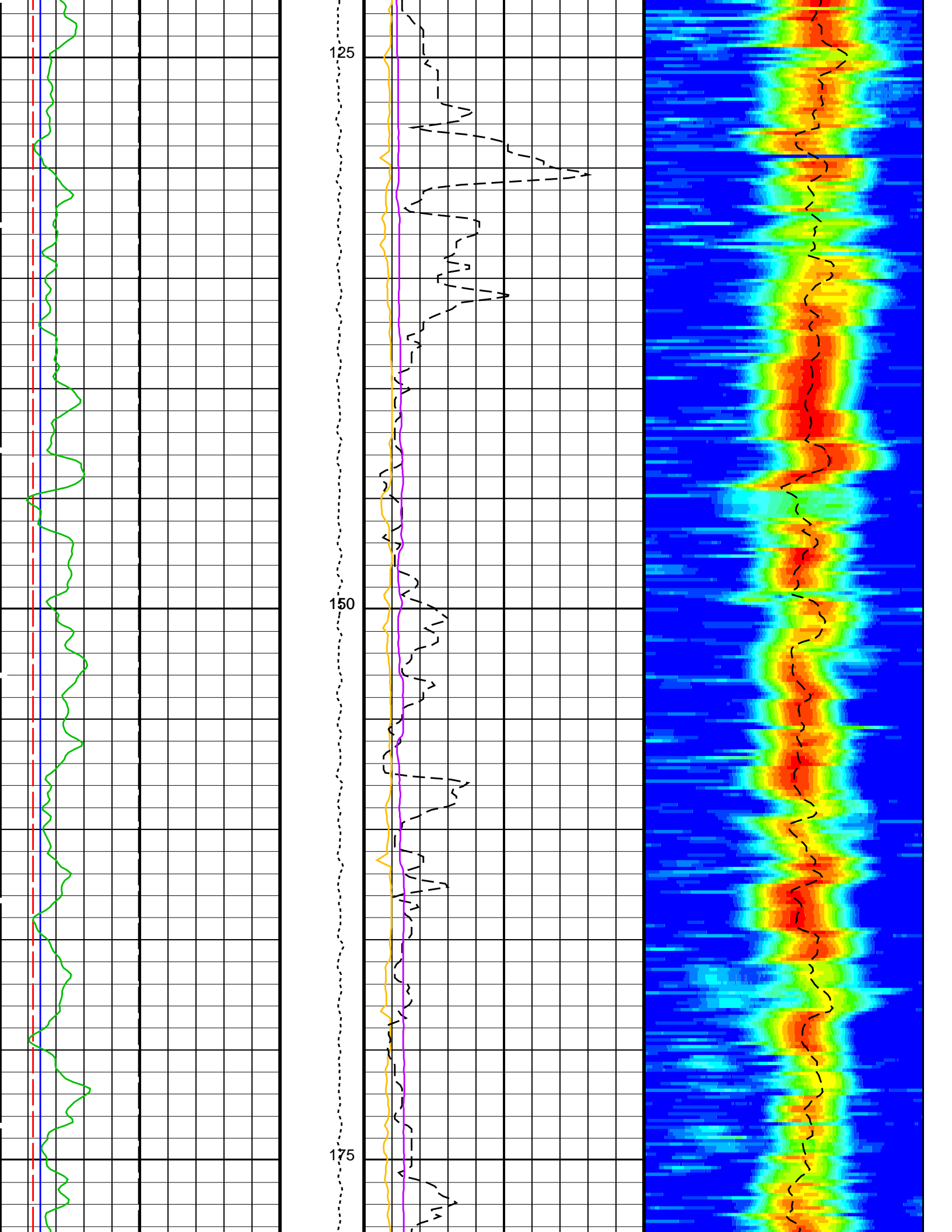
<p style="color: green; text-align: center;"><b>Gamma Ray (GR_EDTC)</b> (GAPI)</p> <p style="text-align: center;">0 <span style="float: right;">150</span></p>	<p style="color: red; text-align: center;"><b>Caliper 1 (C1)</b> (IN)</p> <p style="text-align: center;">0 <span style="float: right;">20</span></p>	<p style="color: purple; text-align: center;"><b>Sonic Velocity (SVEL)</b> (M/S)</p> <p style="text-align: center;">1000 <span style="float: right;">6000</span></p>	<p style="text-align: center;">Min <span style="float: right;">Amplitude</span> <span style="float: right;">Max</span></p>  <p style="text-align: center;">Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)</p> <p style="text-align: center;">75 <span style="float: right;">1200</span></p>
<p style="color: blue; text-align: center;"><b>Caliper 2 (C2)</b> (IN)</p> <p style="text-align: center;">0 <span style="float: right;">20</span></p>	<p style="color: black; text-align: center;"><b>SAM1 Waveform Gain (WFG1)</b> (-----)</p> <p style="text-align: center;">0 <span style="float: right;">1000</span></p>	<p style="color: black; text-align: center;"><b>Delta-T Shear / RA - Lower Dipole</b> (DT1R) (US/F)</p> <p style="text-align: center;">75 <span style="float: right;">1200</span></p>	
<p style="color: black; text-align: center;"><b>Bit Size (BS)</b> (IN)</p> <p style="text-align: center;">0 <span style="float: right;">20</span></p>	<p style="color: orange; text-align: center;"><b>Peak Coherence / RA - Lower Dipole</b> (CHR1) (-----)</p> <p style="text-align: center;">0 <span style="float: right;">10</span></p>	<p style="color: black; text-align: center;"><b>Tension (TENS)</b> (LBF)</p> <p style="text-align: center;">0 <span style="float: right;">5000</span></p>	

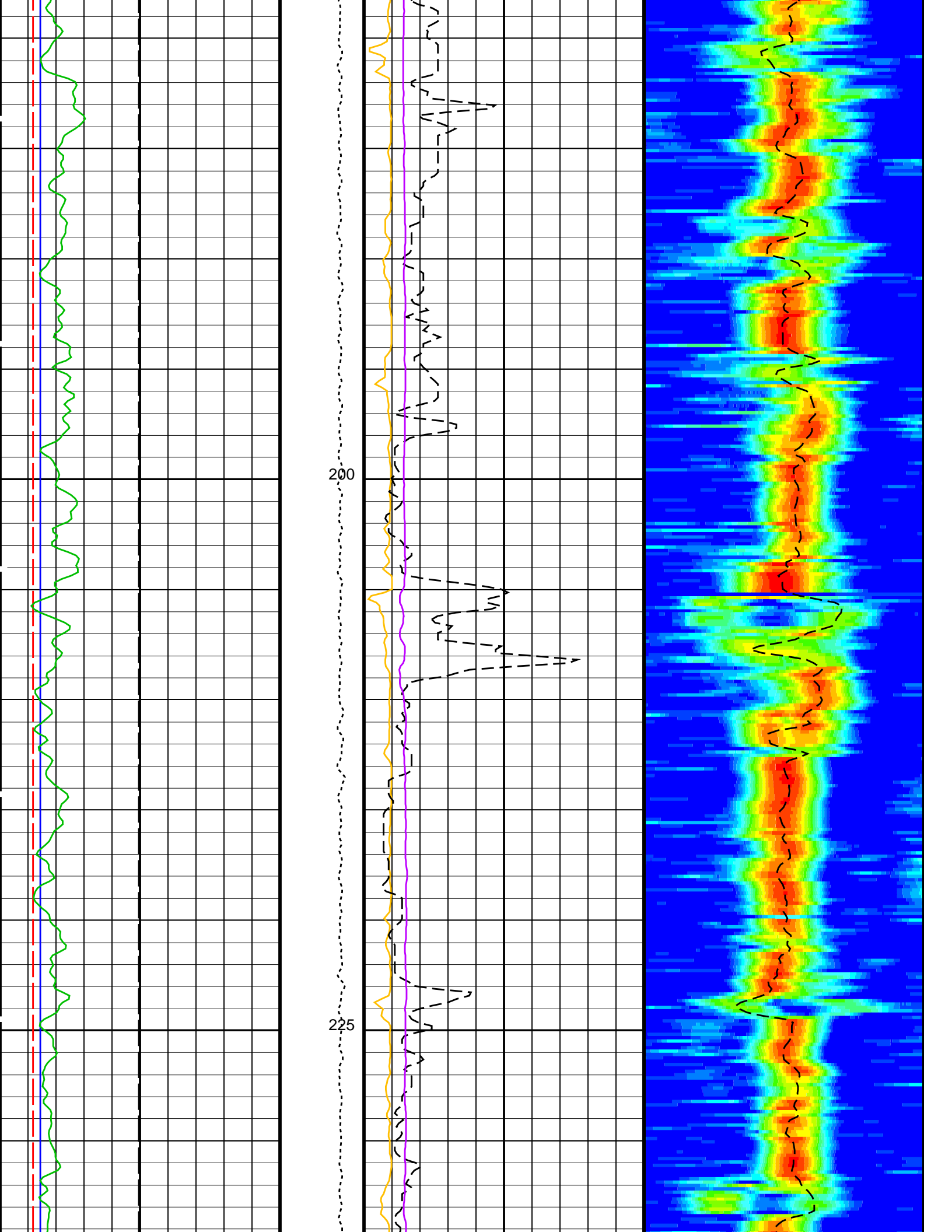


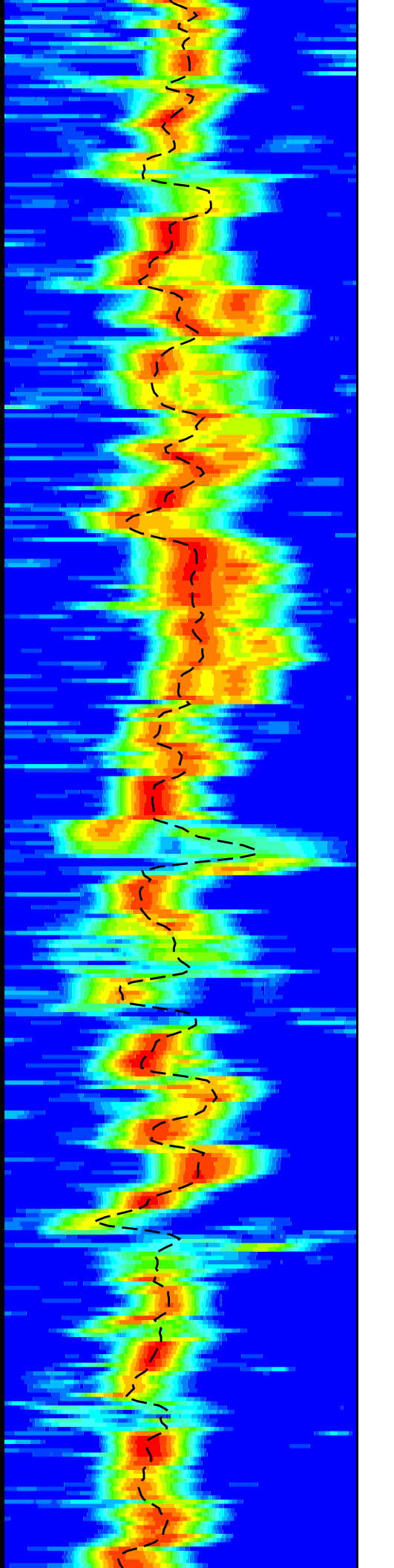
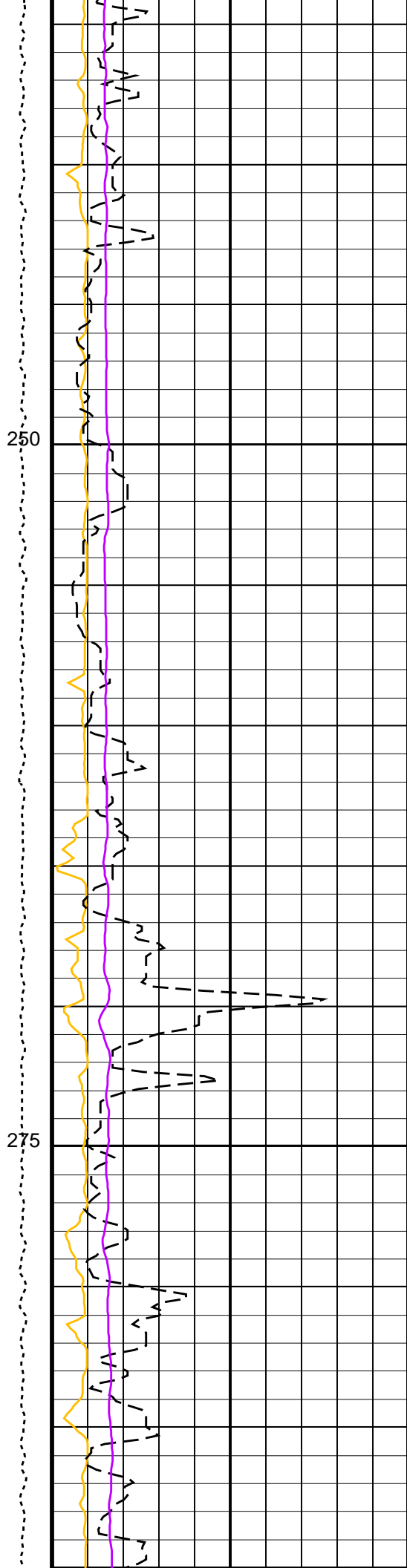
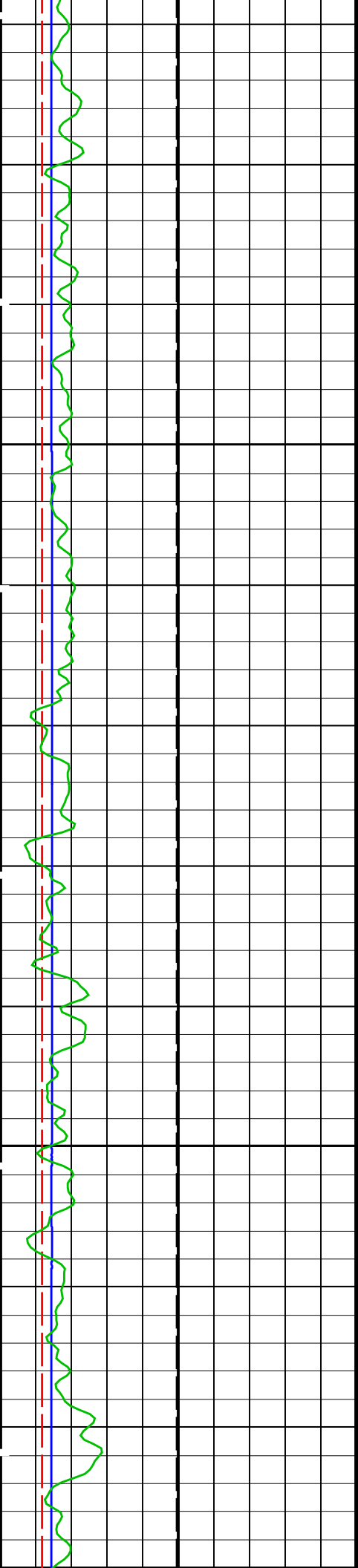


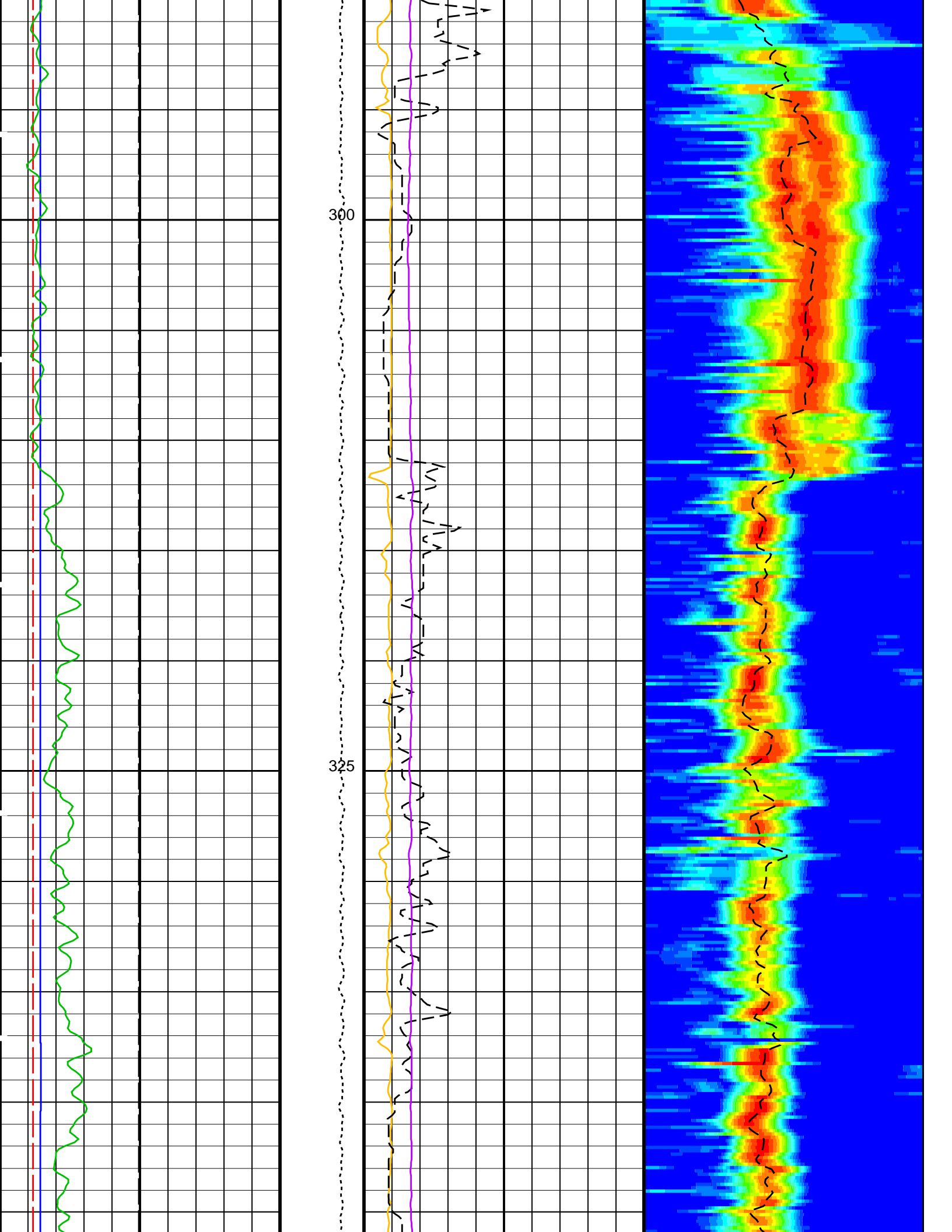


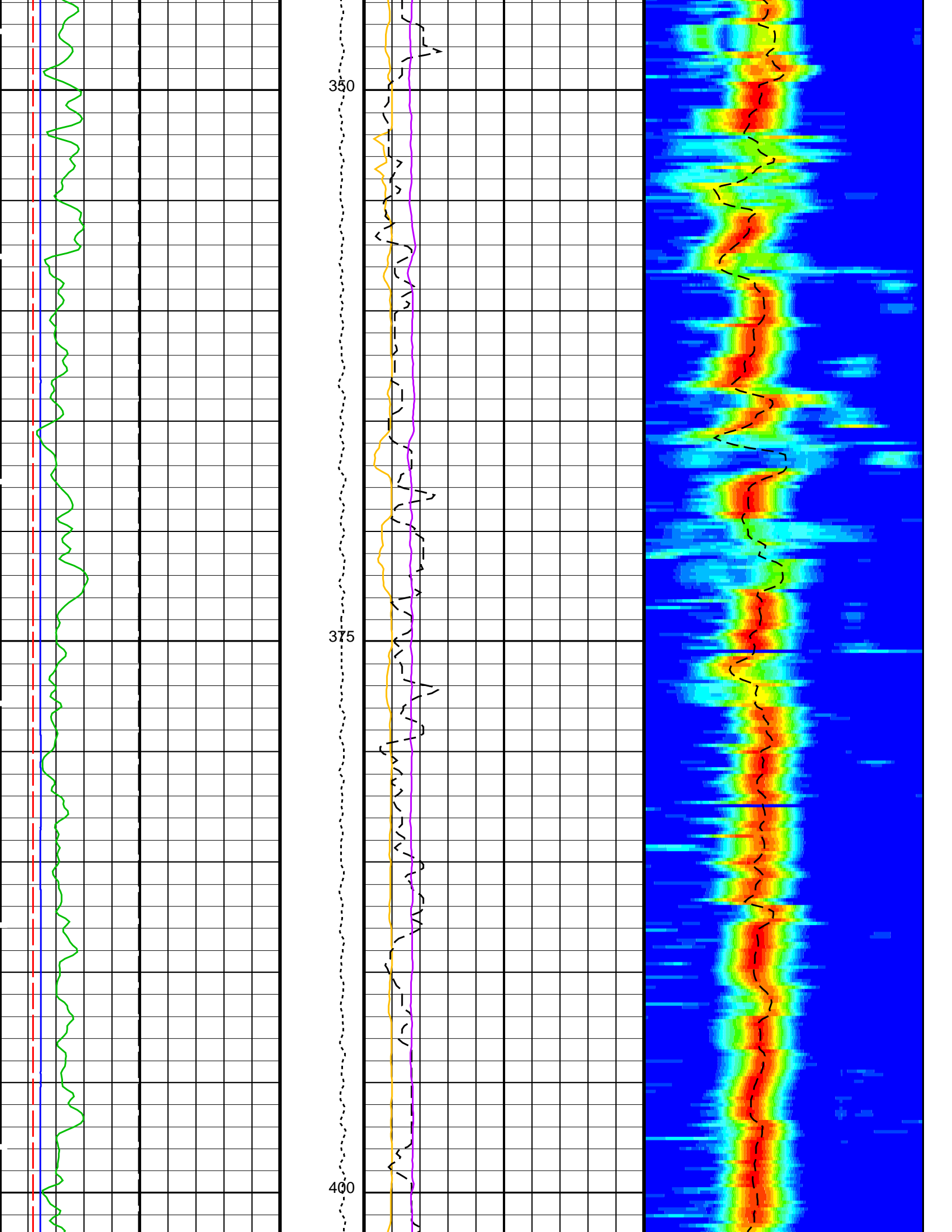


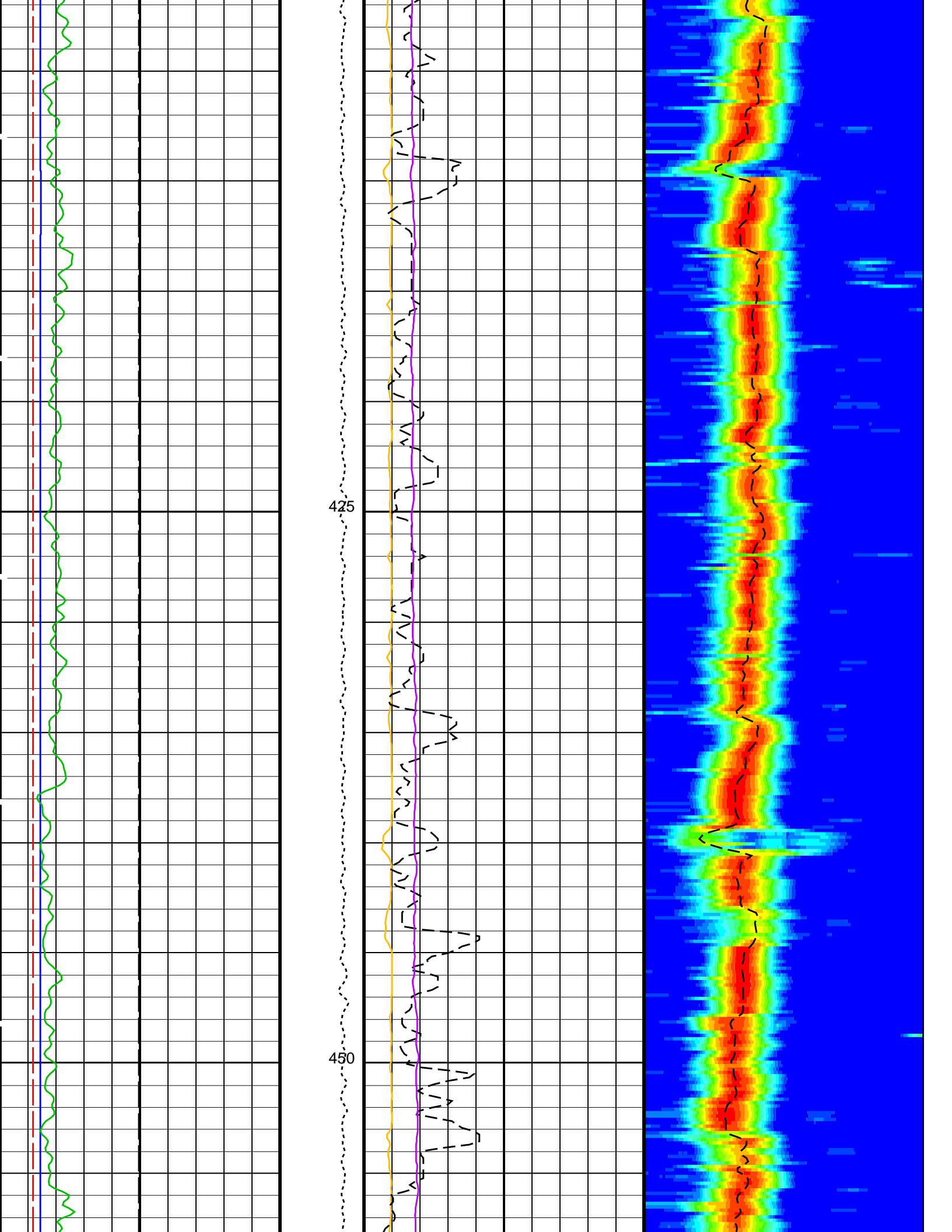


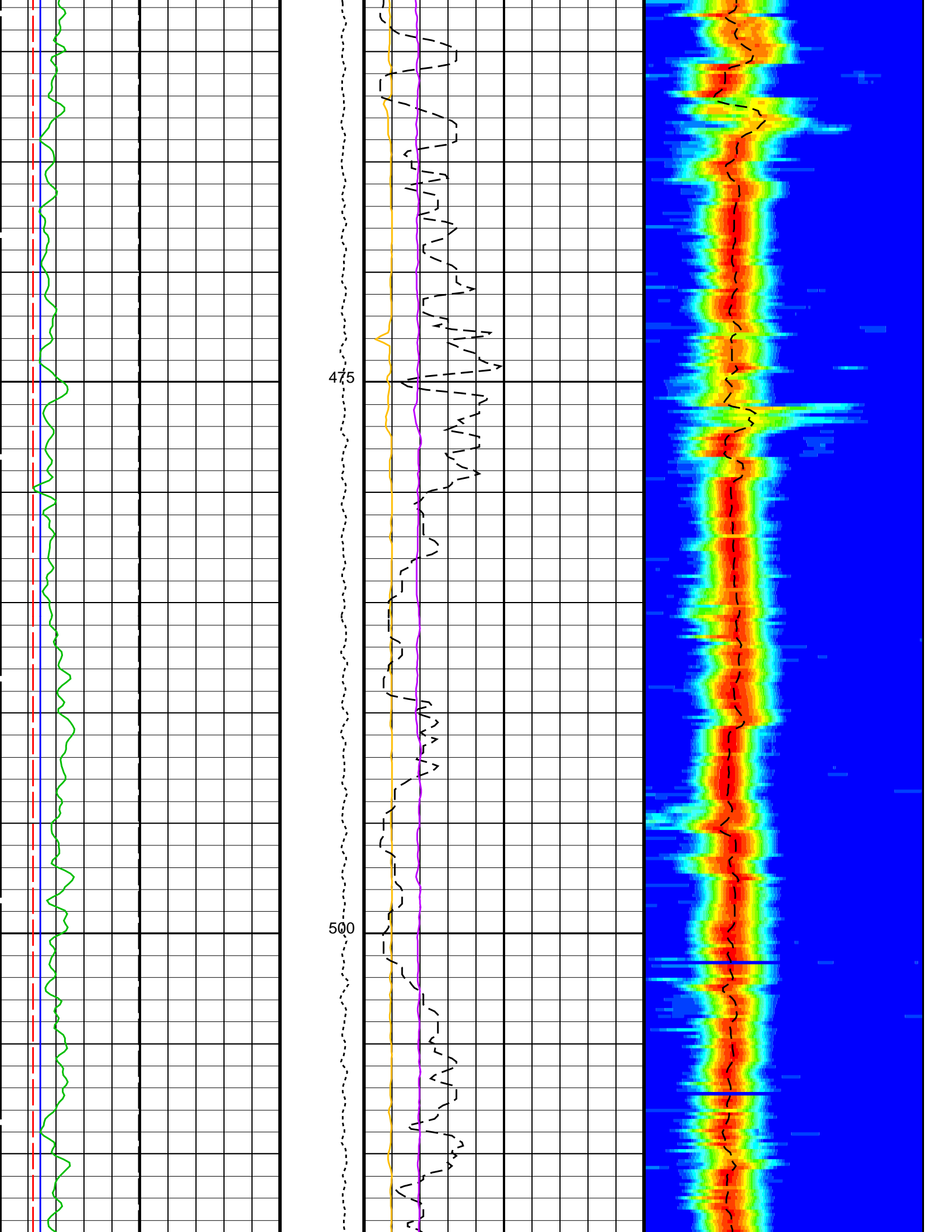


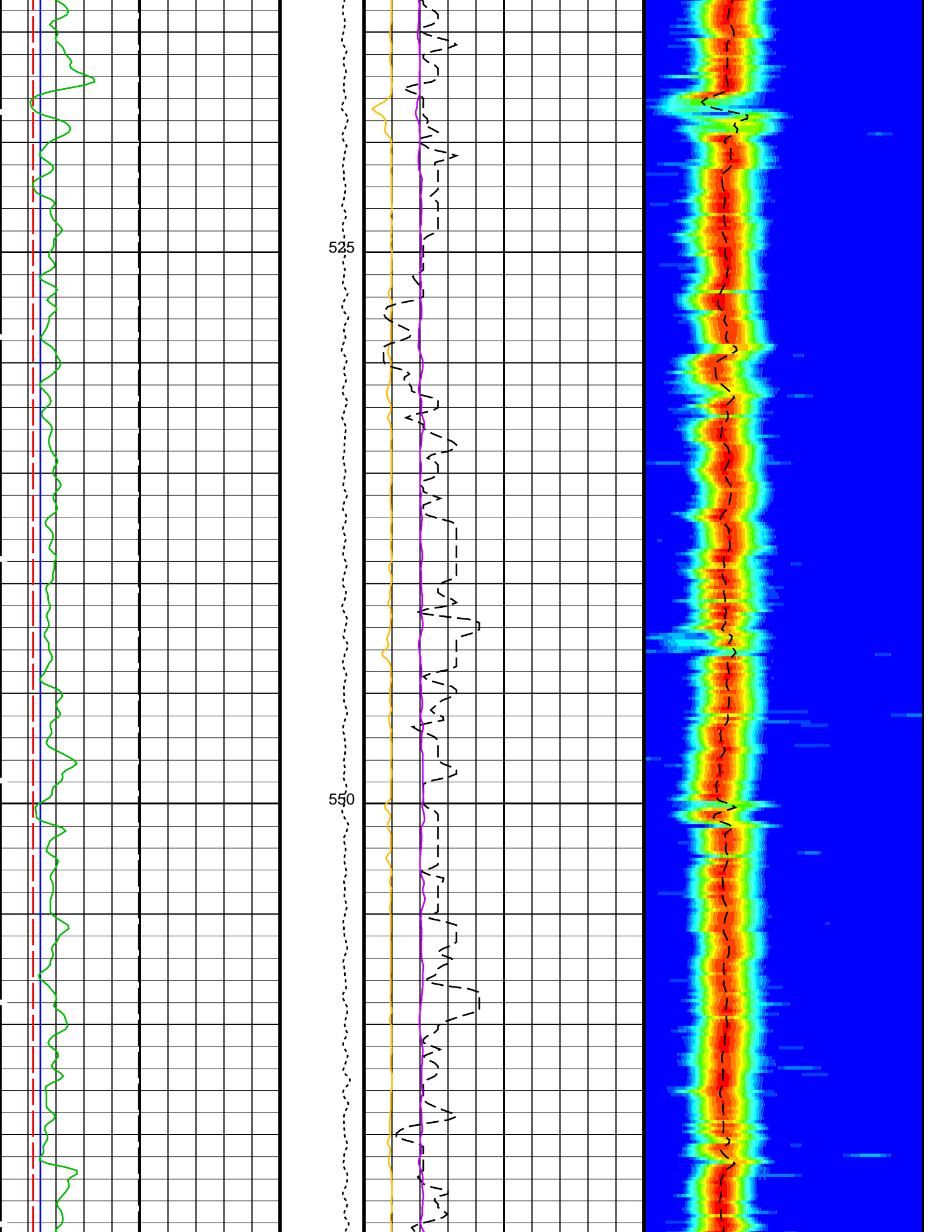




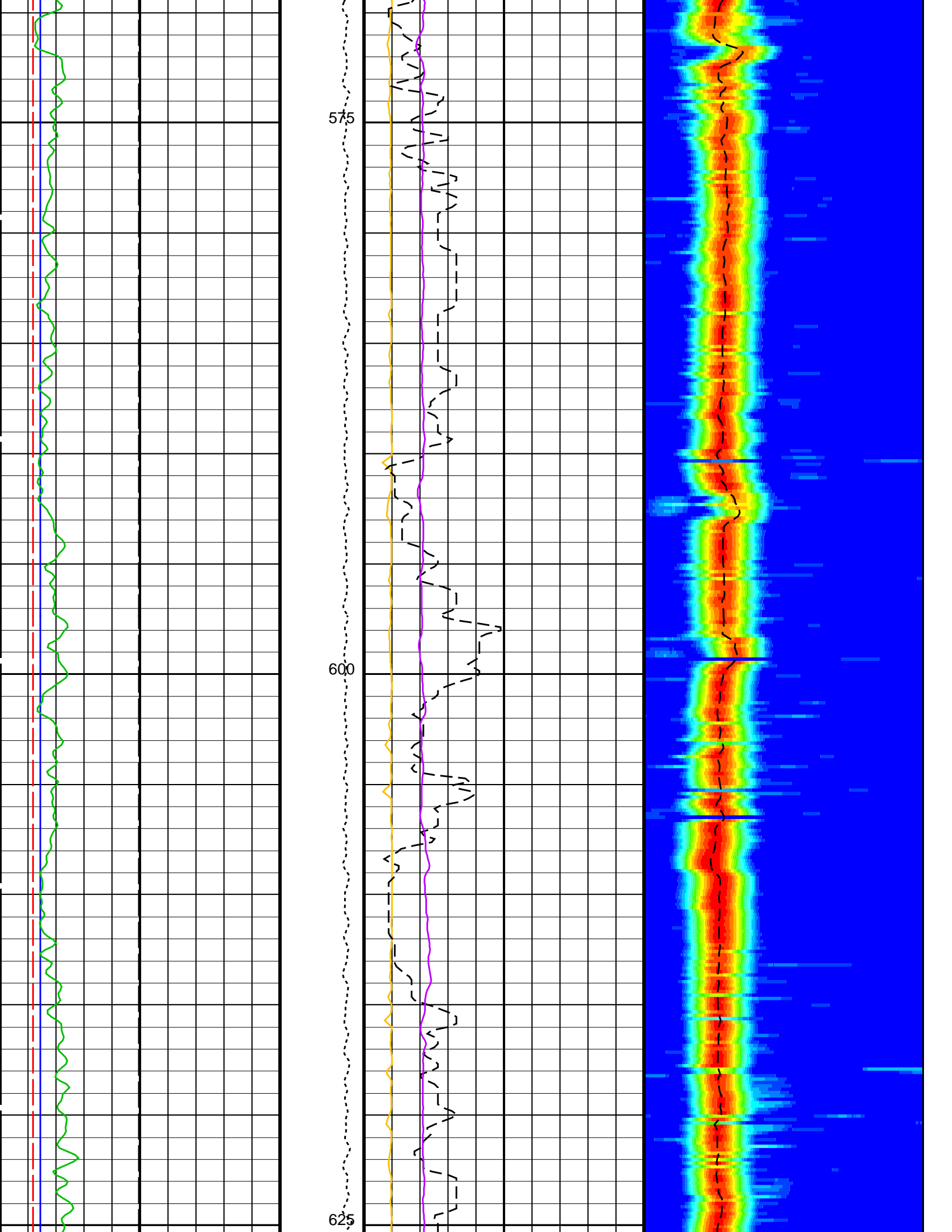


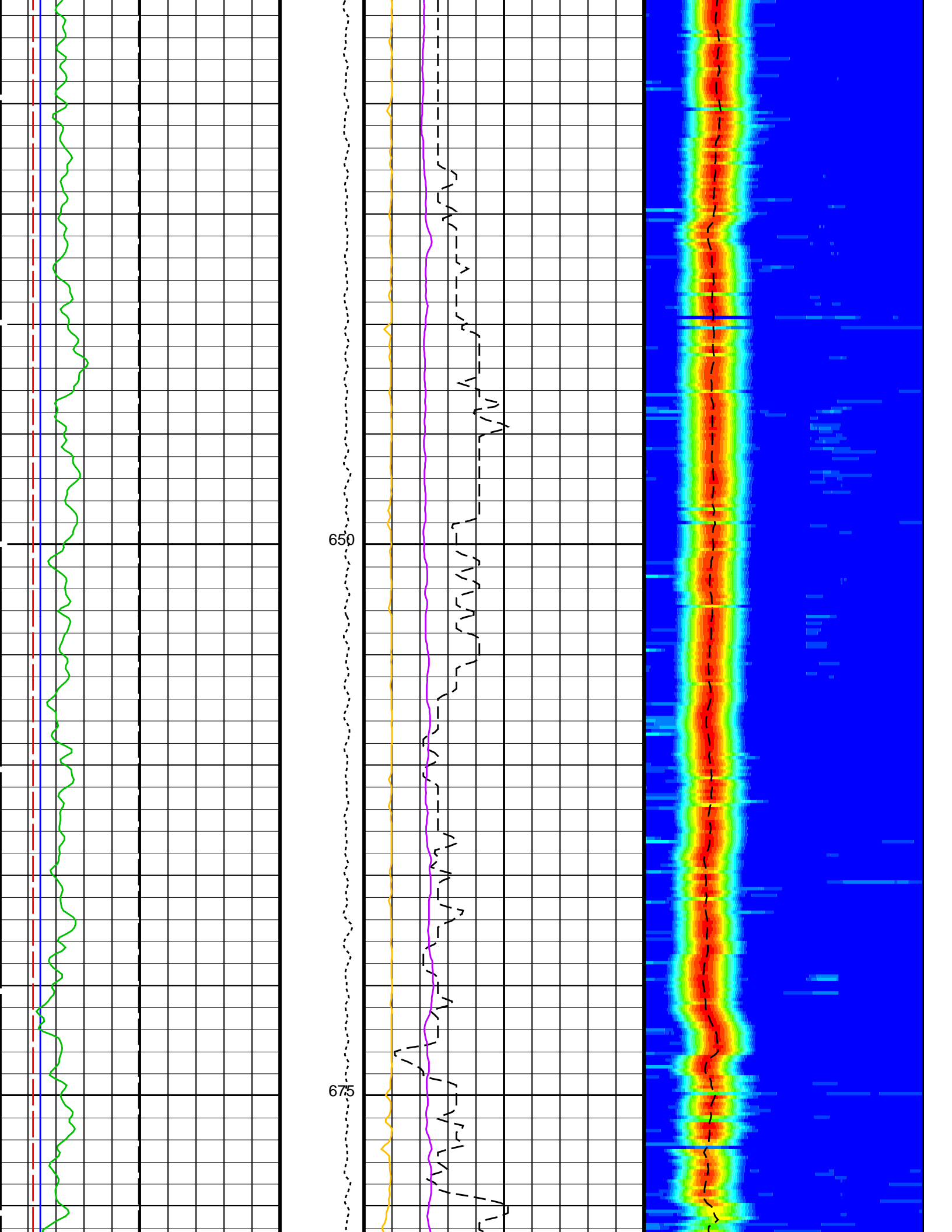


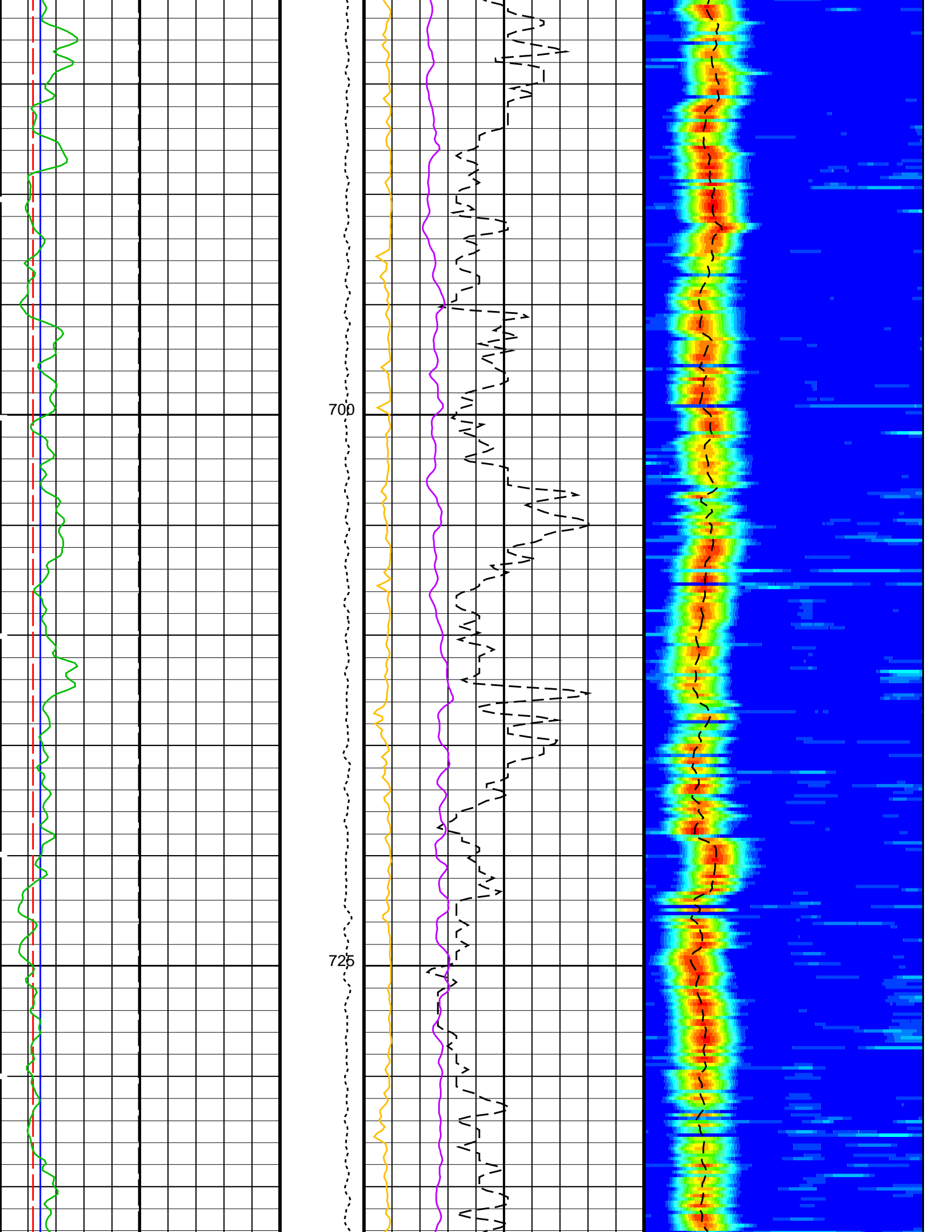


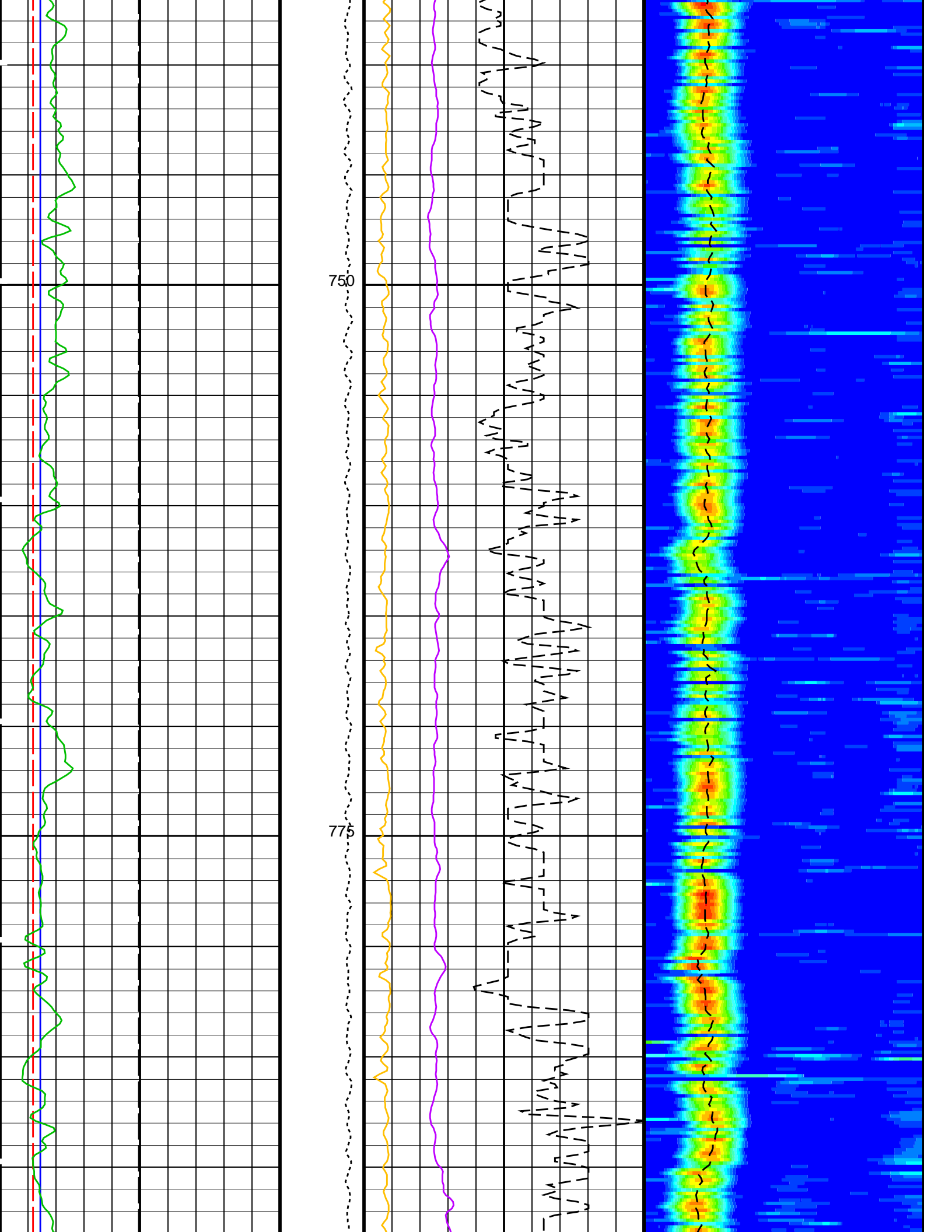


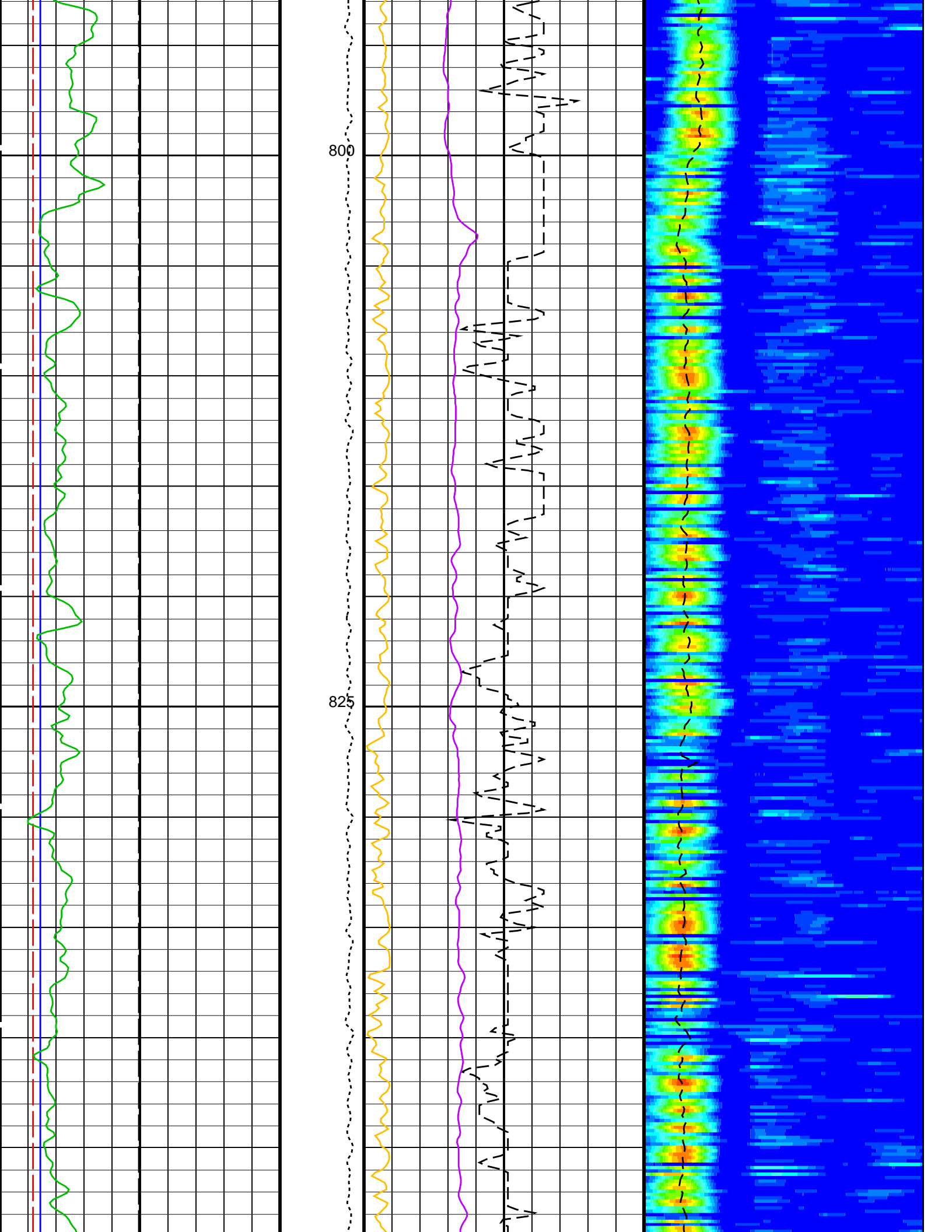


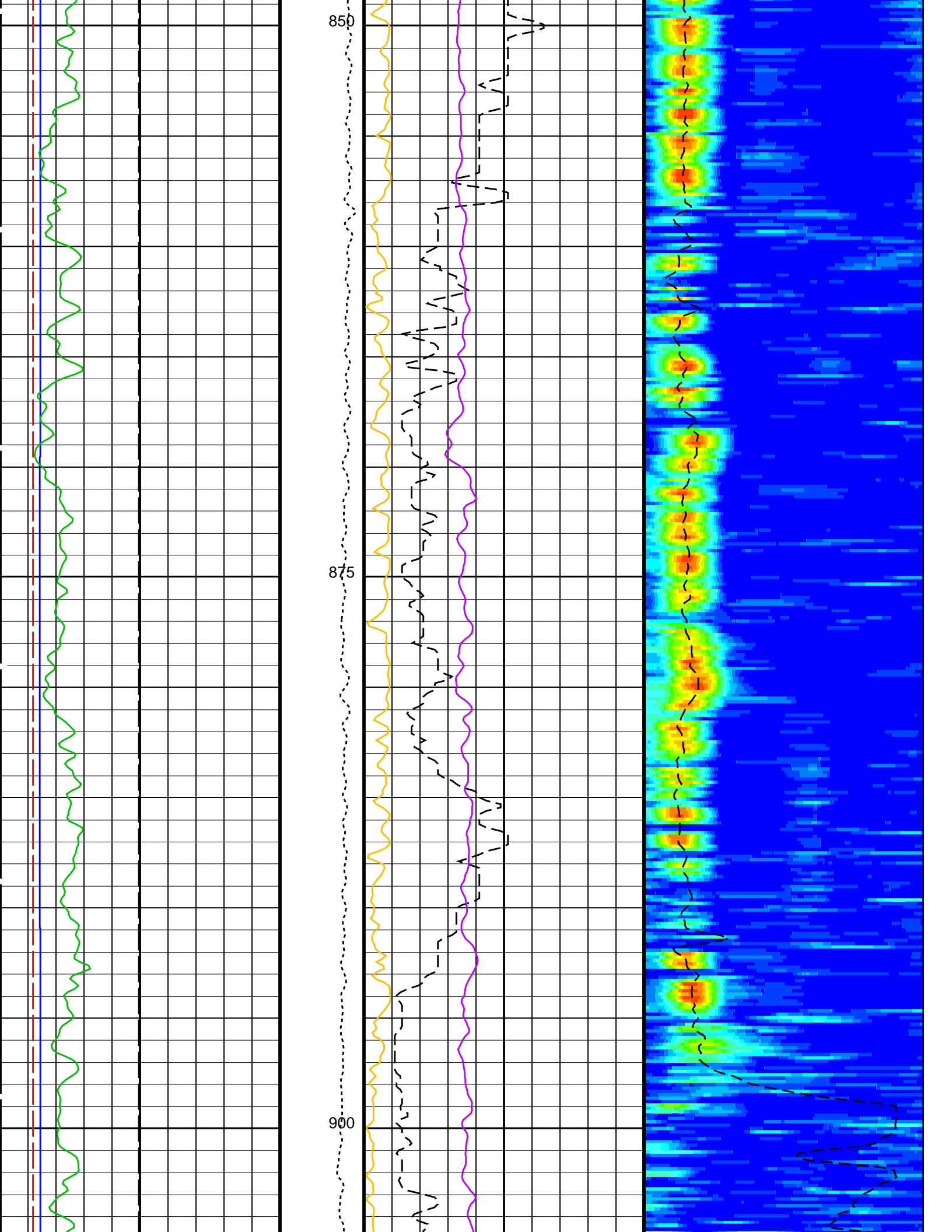


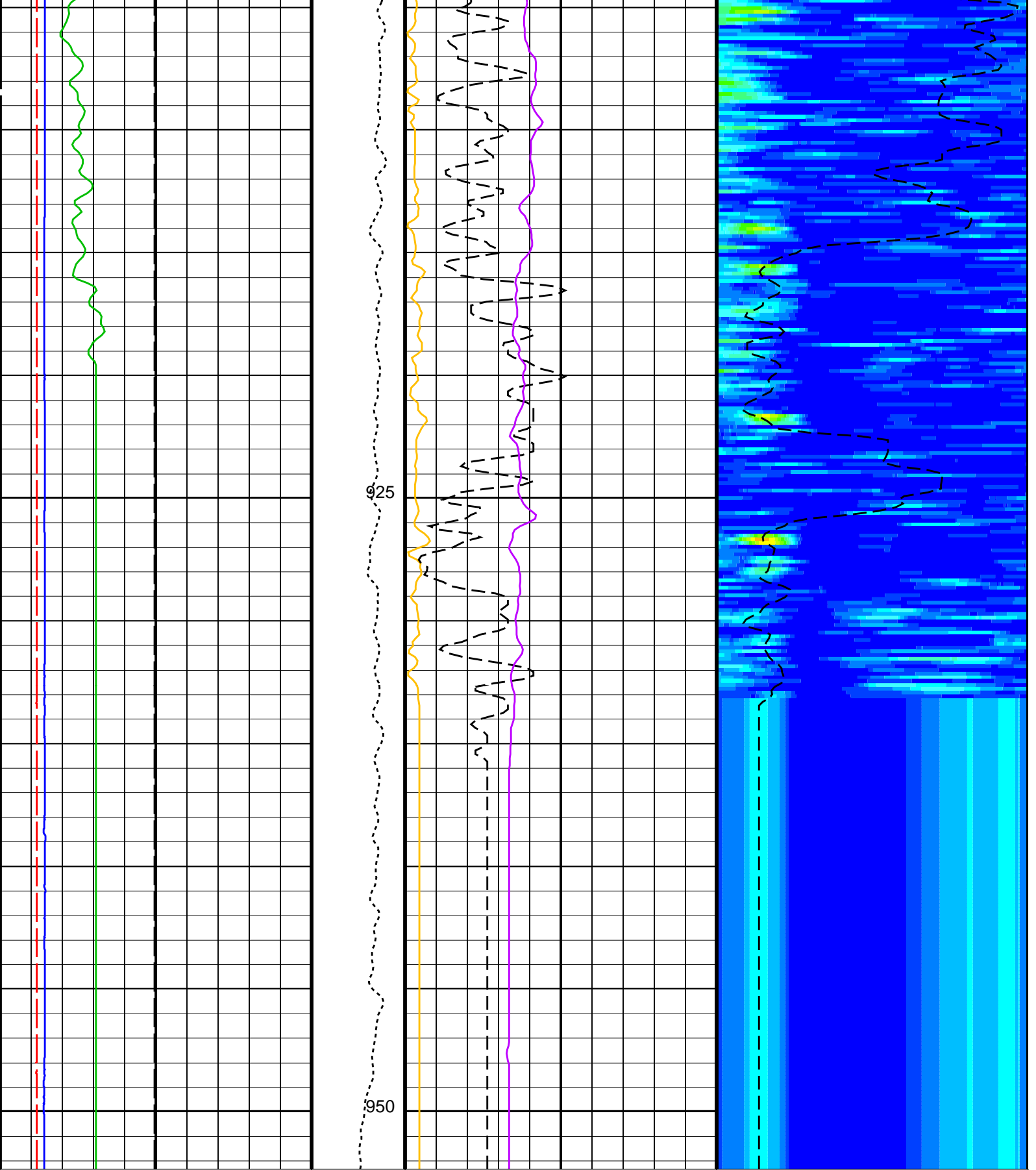












0 ——— Bit Size (BS) (IN) ——— 20

0 ——— Caliper 2 (C2) (IN) ——— 20

Tension (TENS) (LBF) 0 5000

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

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

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

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

<b>Caliper 1 (C1)</b>	
0	20
<b>Gamma Ray (GR_EDTC)</b>	
0	150
<b>(GAPI)</b>	

<b>Sonic Velocity (SVEL)</b>	
1000	6000
<b>(M/S)</b>	

**PIP SUMMARY**

Time Mark Every 60 S

**Parameters**

<b>DLIS Name</b>	<b>Description</b>	<b>Value</b>	
<b>DSST-B: Dipole Shear Imager - B</b>			
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NW11	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SLL1	STC Slowness Lower Limit - Lower Dipole	75	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit - Lower Dipole	1200	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	20440	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
<b>System and Miscellaneous</b>			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	-2123.5	M
PP	Playback Processing	RECOMPUTE	

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 25-Apr-2014 04:25

**OP System Version: 19C0-187**

MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

**Input DLIS Files**

DEFAULT	Flip_FMS_DSI_NGS_044LUP	PRODUCER	25-Apr-2014 03:46	3075.9 M	2098.5 M
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**Output DLIS Files**

DEFAULT	FMS_DSI_NGS_047PUP	FN:57	PRODUCER	25-Apr-2014 04:25
CLIENT	FMS_DSI_NGS_047PUC	FN:58	CUSTOMER	25-Apr-2014 04:25



**Input DLIS Files**

DEFAULT	FMS_DSI_NGS_025LUP	FN:28	PRODUCER	22-Apr-2014 20:12	3074.7 M	2750.5 M
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**Output DLIS Files**

DEFAULT	FMS_DSI_NGS_052PUP	FN:67	PRODUCER	25-Apr-2014 04:57	951.0 M	627.6 M
CLIENT	FMS_DSI_NGS_052PUC	FN:68	CUSTOMER	25-Apr-2014 04:57	951.0 M	627.6 M

**OP System Version: 19C0-187**

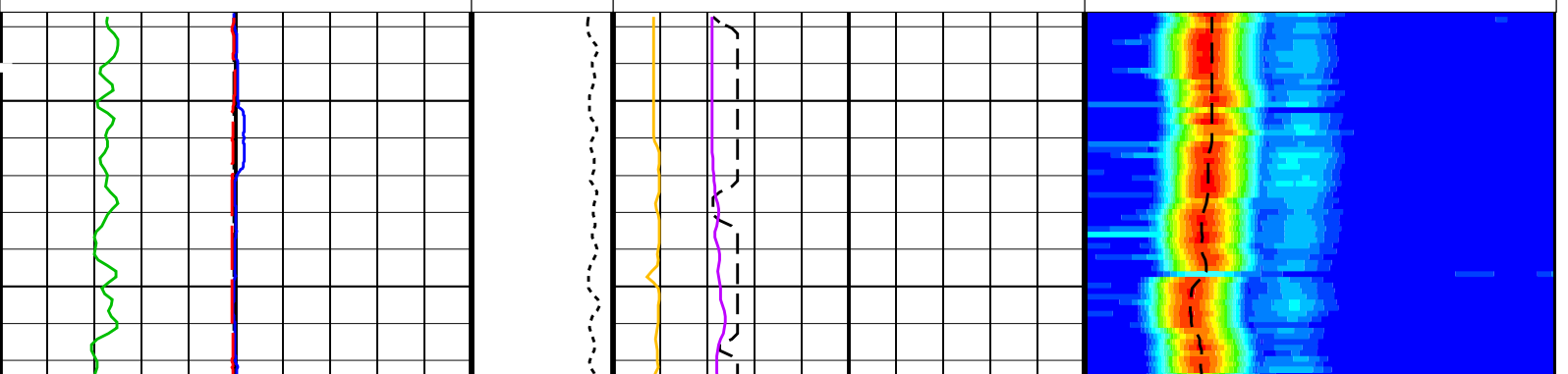
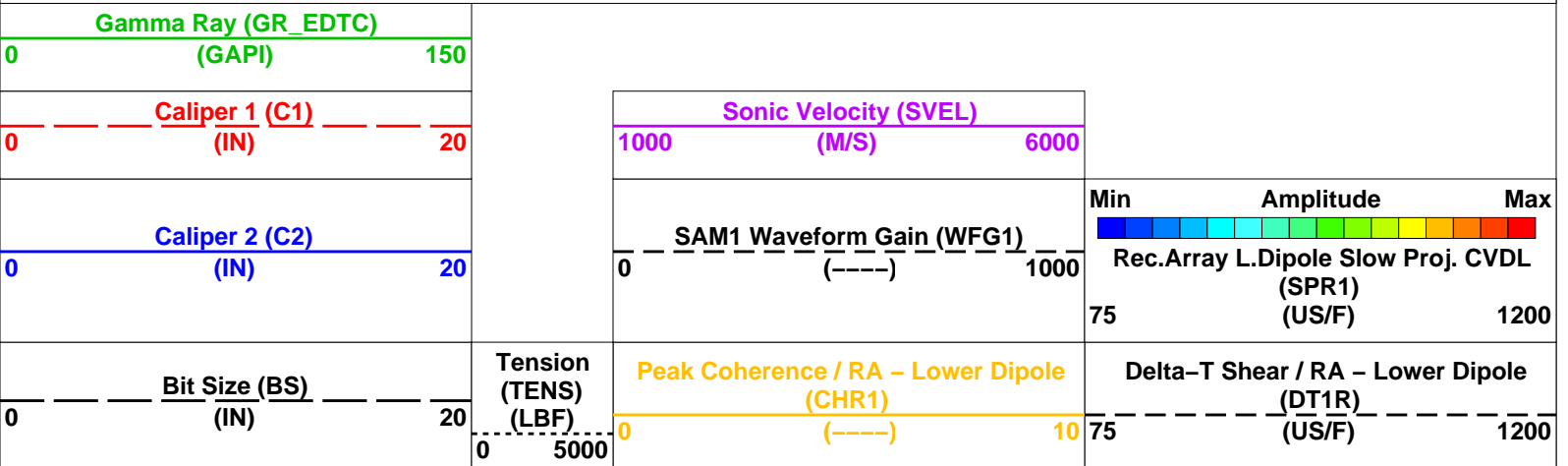
MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

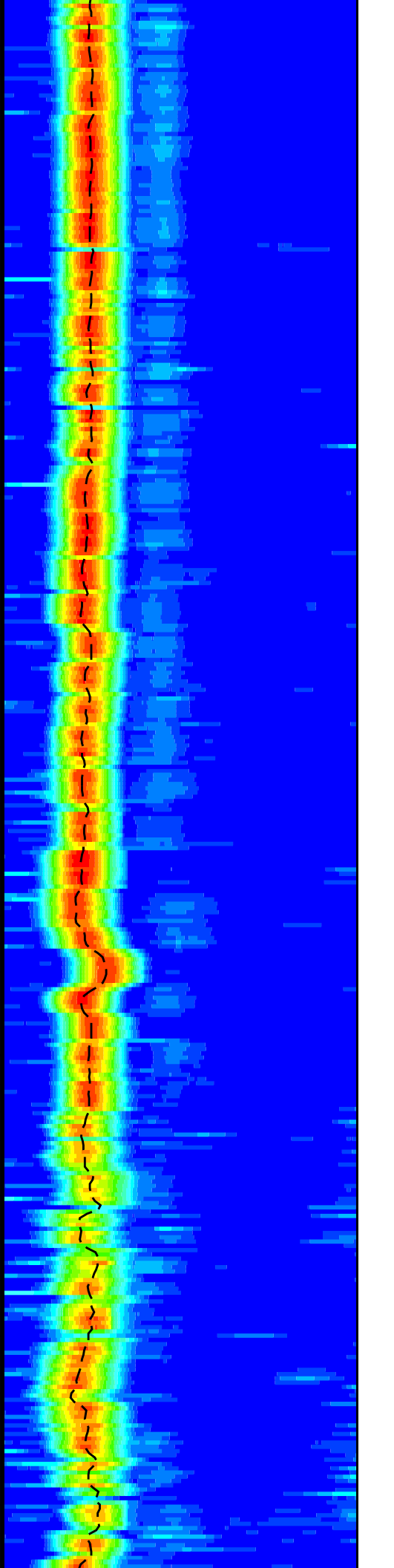
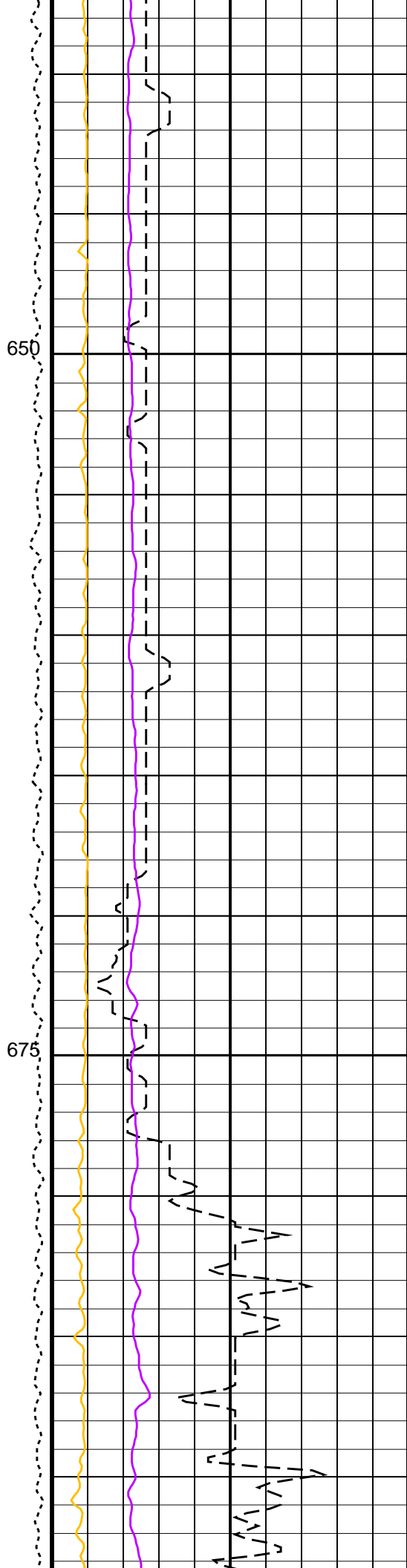
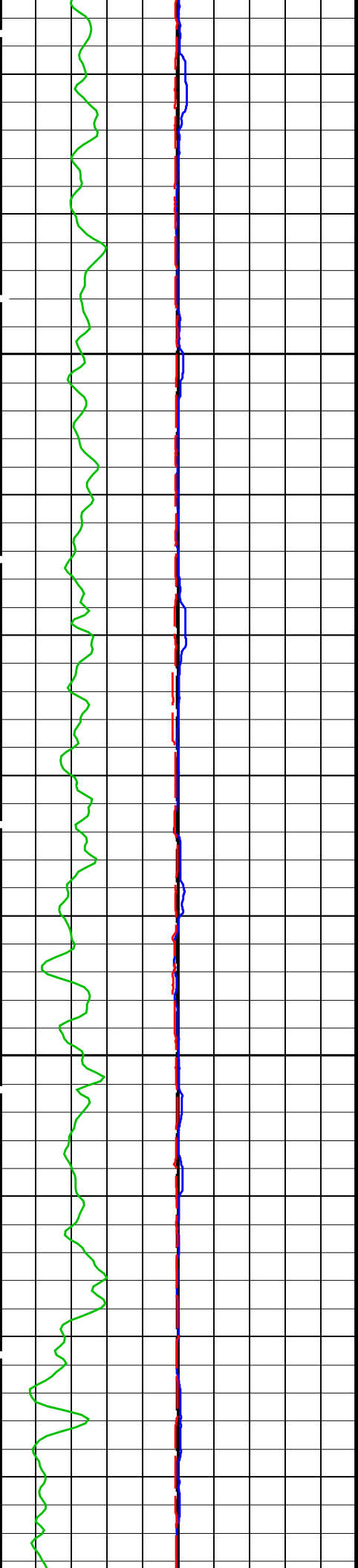
**Changed Parameter Summary**

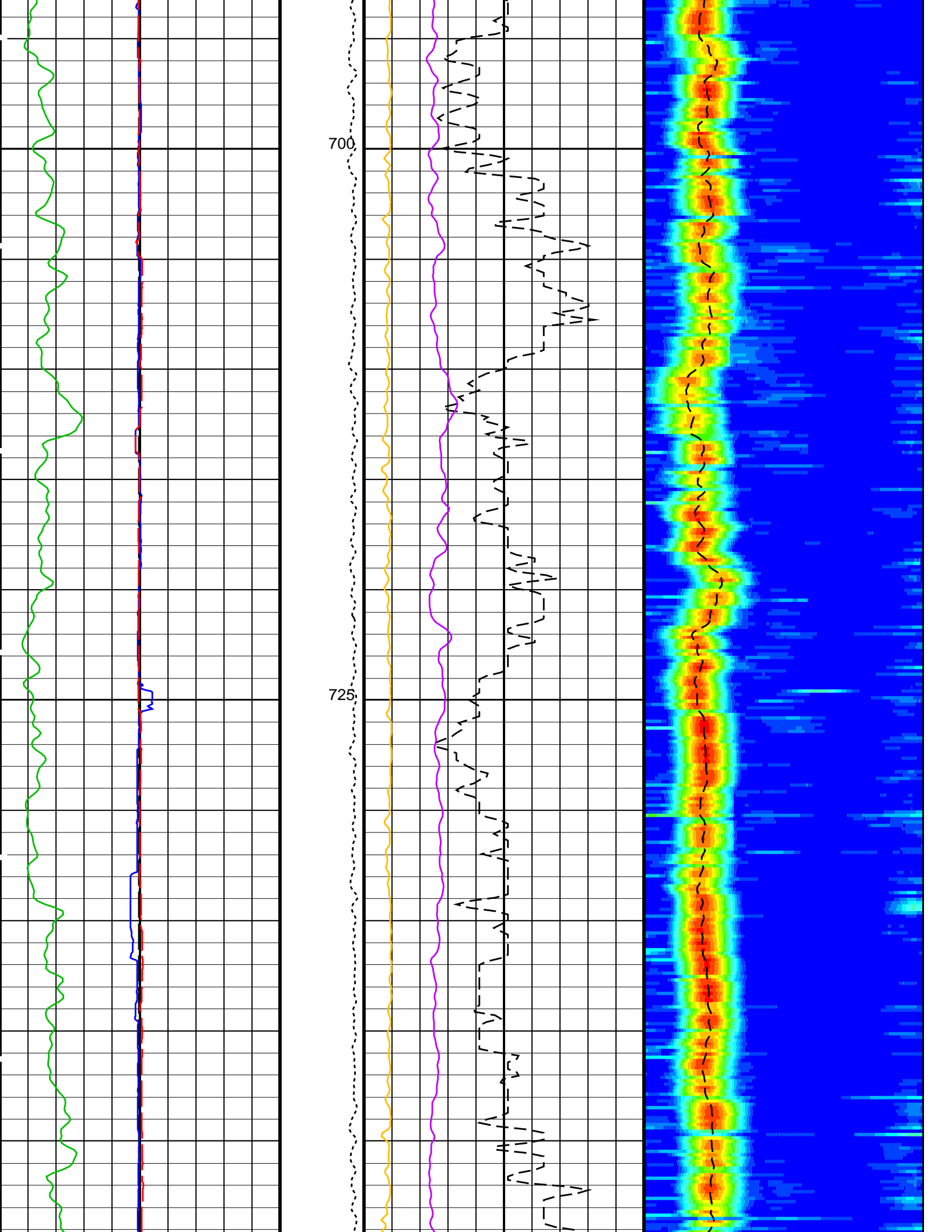
DLIS Name	New Value	Previous Value	Depth & Time
DSHL	75 US/F	75 US/F	951.0 04:57:05
	75 US/F	75 US/F	799.9 04:57:25
DSHU	400 US/F	1200 US/F	951.0 04:57:05
	1200 US/F	400 US/F	799.9 04:57:25

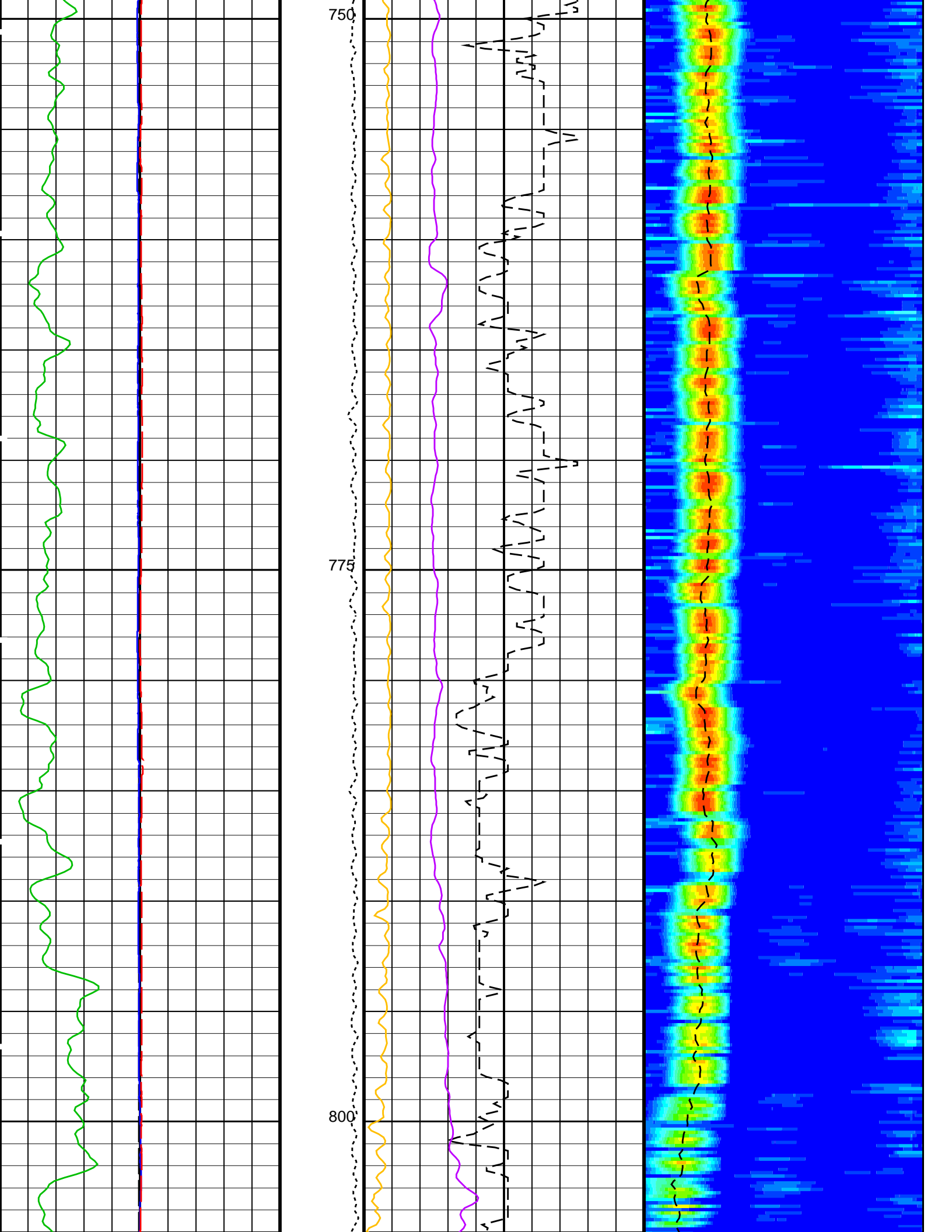
**PIP SUMMARY**

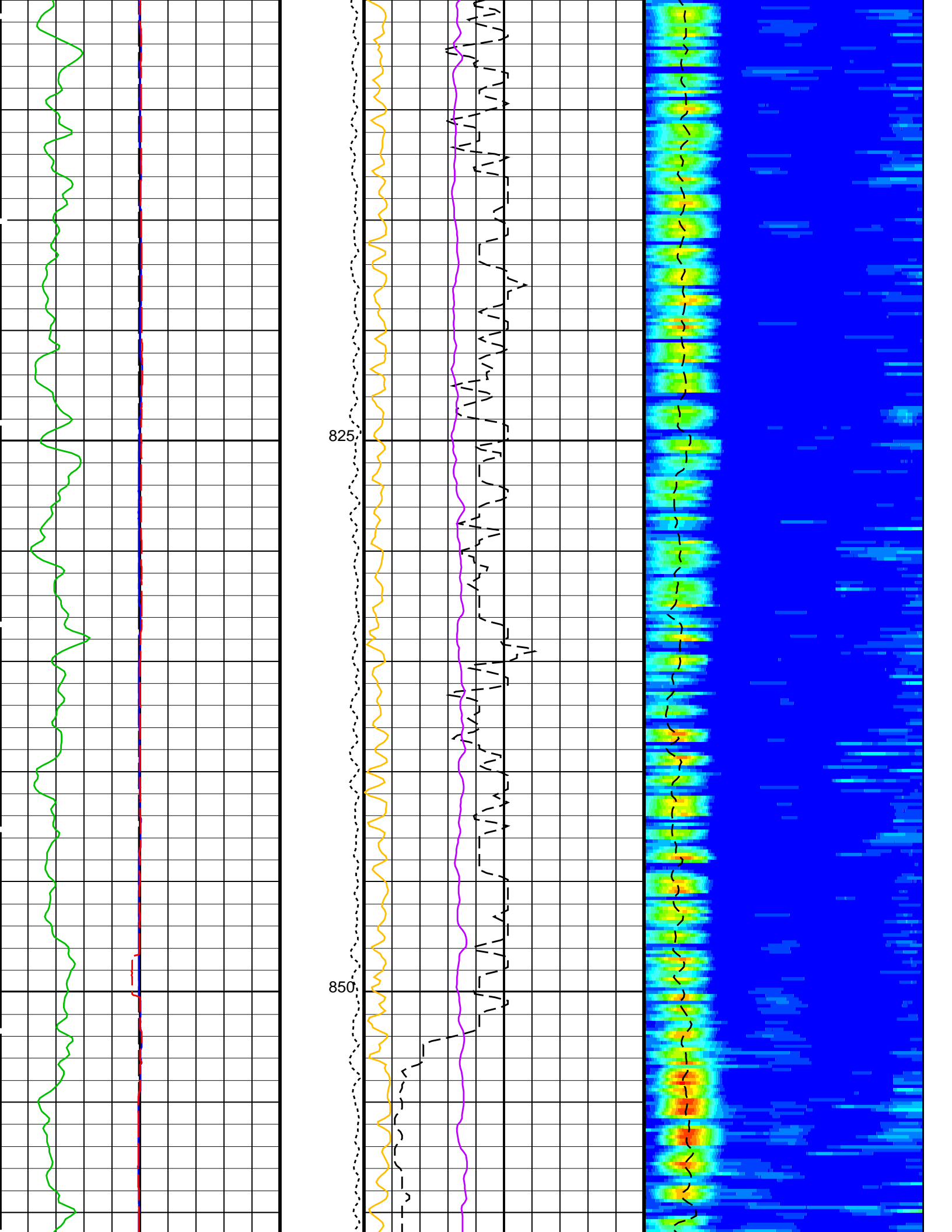
Time Mark Every 60 S

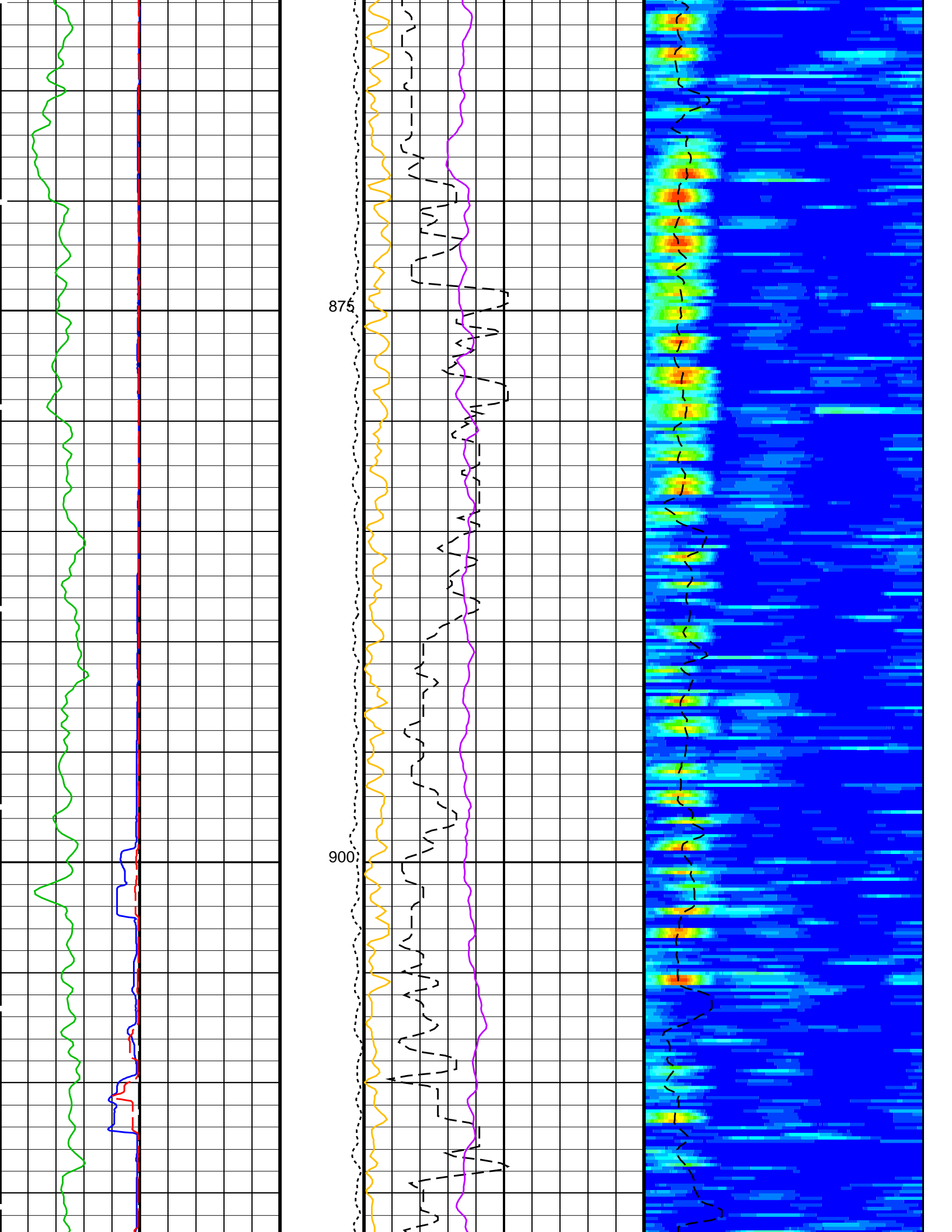


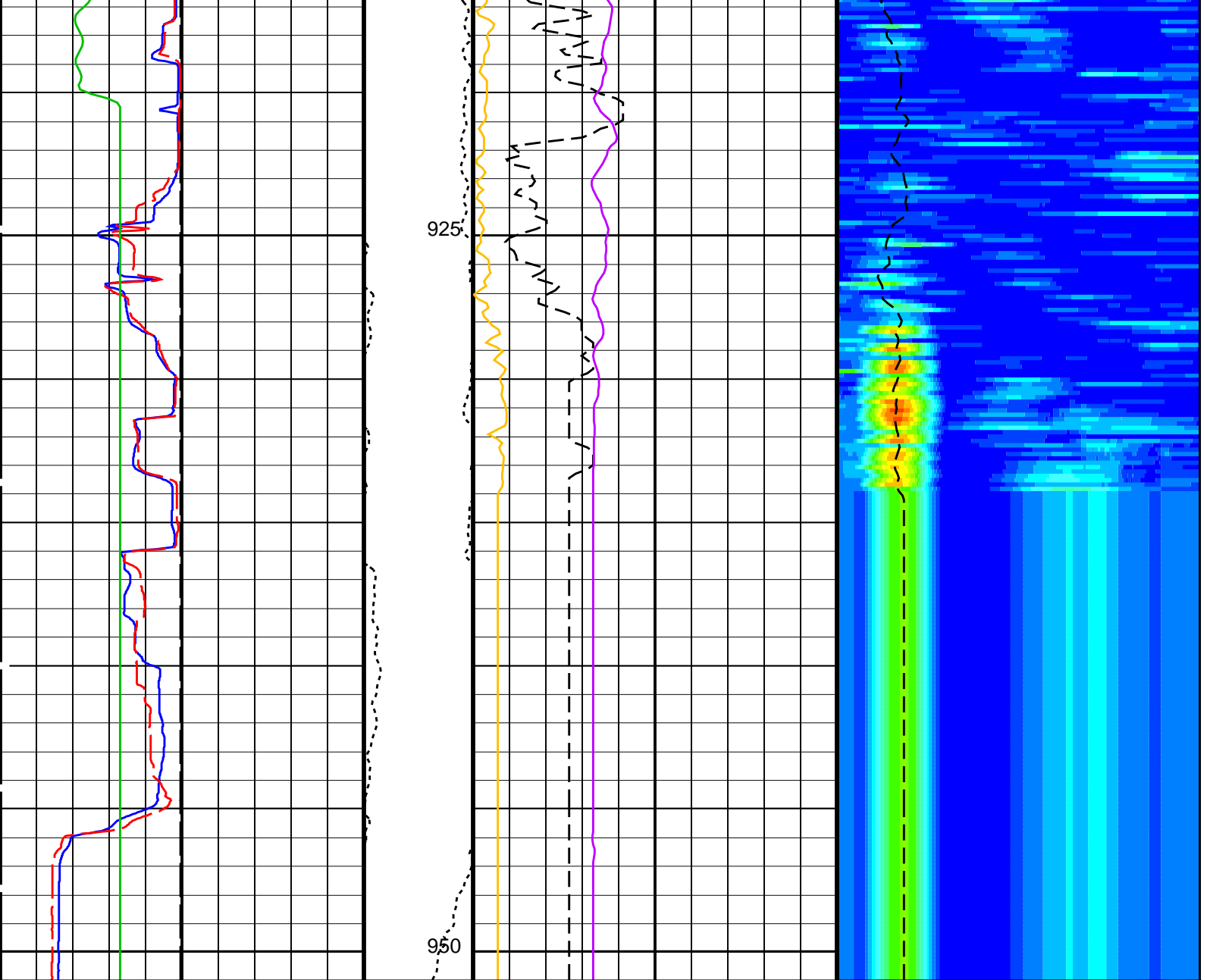












<p><b>Bit Size (BS)</b> (IN) 0 20</p>	<p><b>Tension (TENS)</b> (LBF) 0 5000</p>	<p><b>Peak Coherence / RA - Lower Dipole (CHR1)</b> (----) 0 10</p>	<p><b>Delta-T Shear / RA - Lower Dipole (DT1R)</b> (US/F) 75 1200</p>
<p><b>Caliper 2 (C2)</b> (IN) 0 20</p>		<p><b>SAM1 Waveform Gain (WFG1)</b> (----) 0 1000</p>	<p>Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F) 75 1200</p>
<p><b>Caliper 1 (C1)</b> (IN) 0 20</p>		<p><b>Sonic Velocity (SVEL)</b> (M/S) 1000 6000</p>	
<p><b>Gamma Ray (GR_EDTC)</b> (GAPI) 0 150</p>			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B:	Dipole Shear Imager - B	
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F

DSHU	Label Slowness Upper Limit - Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SLL1	STC Slowness Lower Limit - Lower Dipole	75	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit - Lower Dipole	1200	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	20440	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
<b>System and Miscellaneous</b>			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	-2122.9	M
PP	Playback Processing	RECOMPUTE	

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 25-Apr-2014 04:57

### OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

### Input DLIS Files

DEFAULT	FMS_DSI_NGS_025LUP	FN:28	PRODUCER	22-Apr-2014 20:12	3074.7 M	2750.5 M
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### Output DLIS Files

DEFAULT	FMS_DSI_NGS_052PUP	FN:67	PRODUCER	25-Apr-2014 04:57
CLIENT	FMS_DSI_NGS_052PUC	FN:68	CUSTOMER	25-Apr-2014 04:57



**Main Pass**  
**1:200 Scale**

MAXIS Field Log

### Input DLIS Files



### Output DLIS Files

DEFAULT	FMS_DSI_NGS_050PUP	FN:63	PRODUCER	25-Apr-2014 04:51	946.4 M	137.5 M
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### OP System Version: 19C0-187

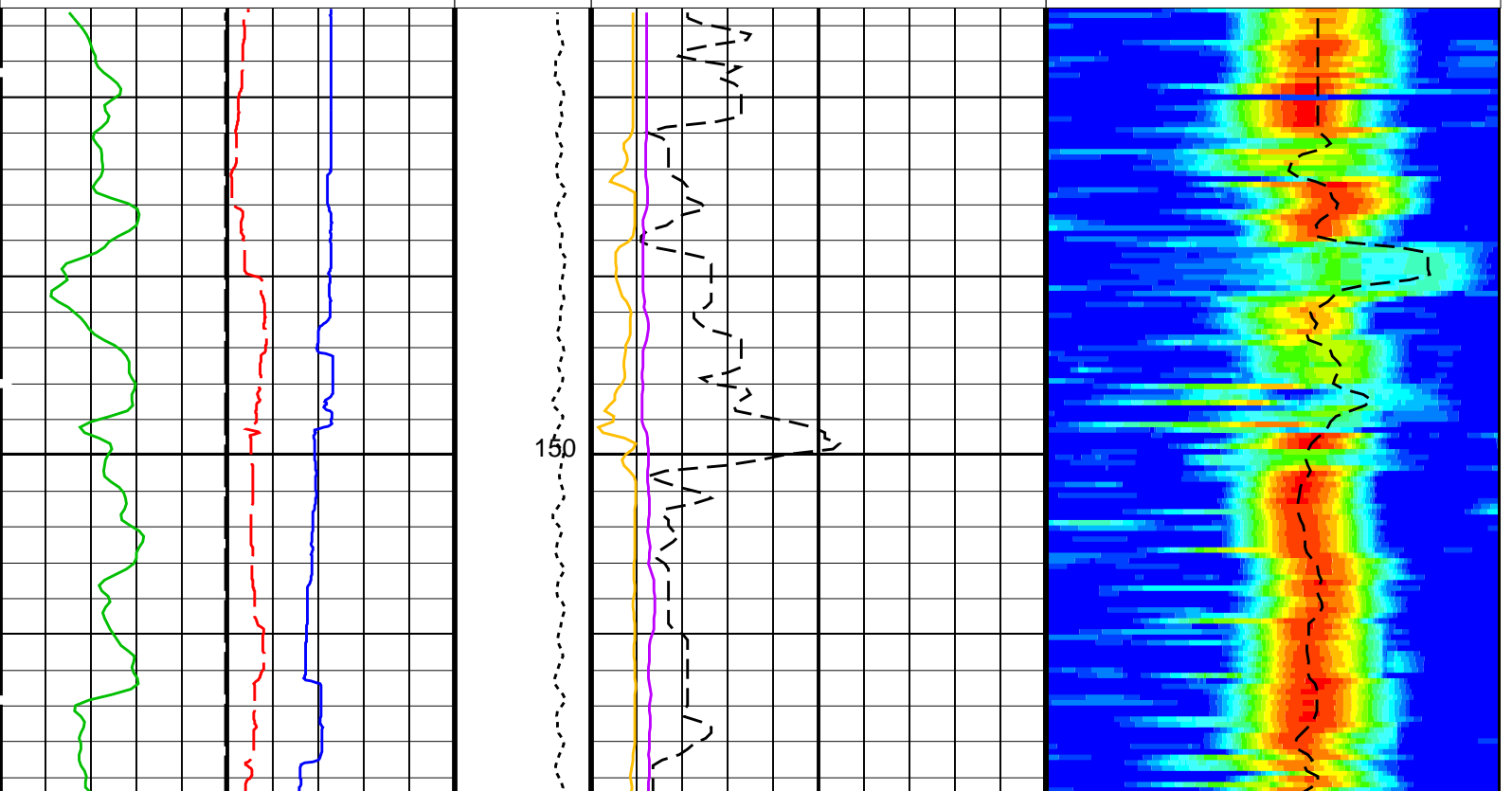
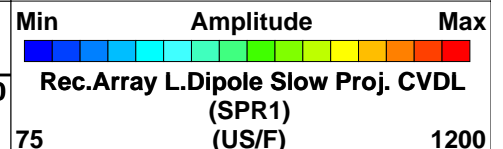
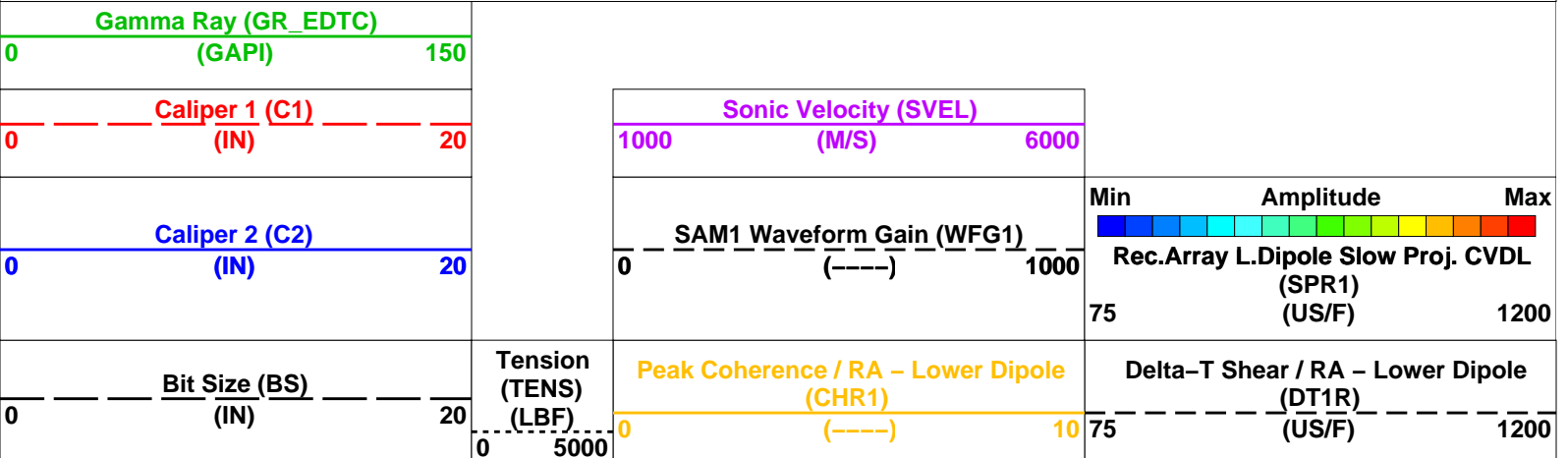
MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

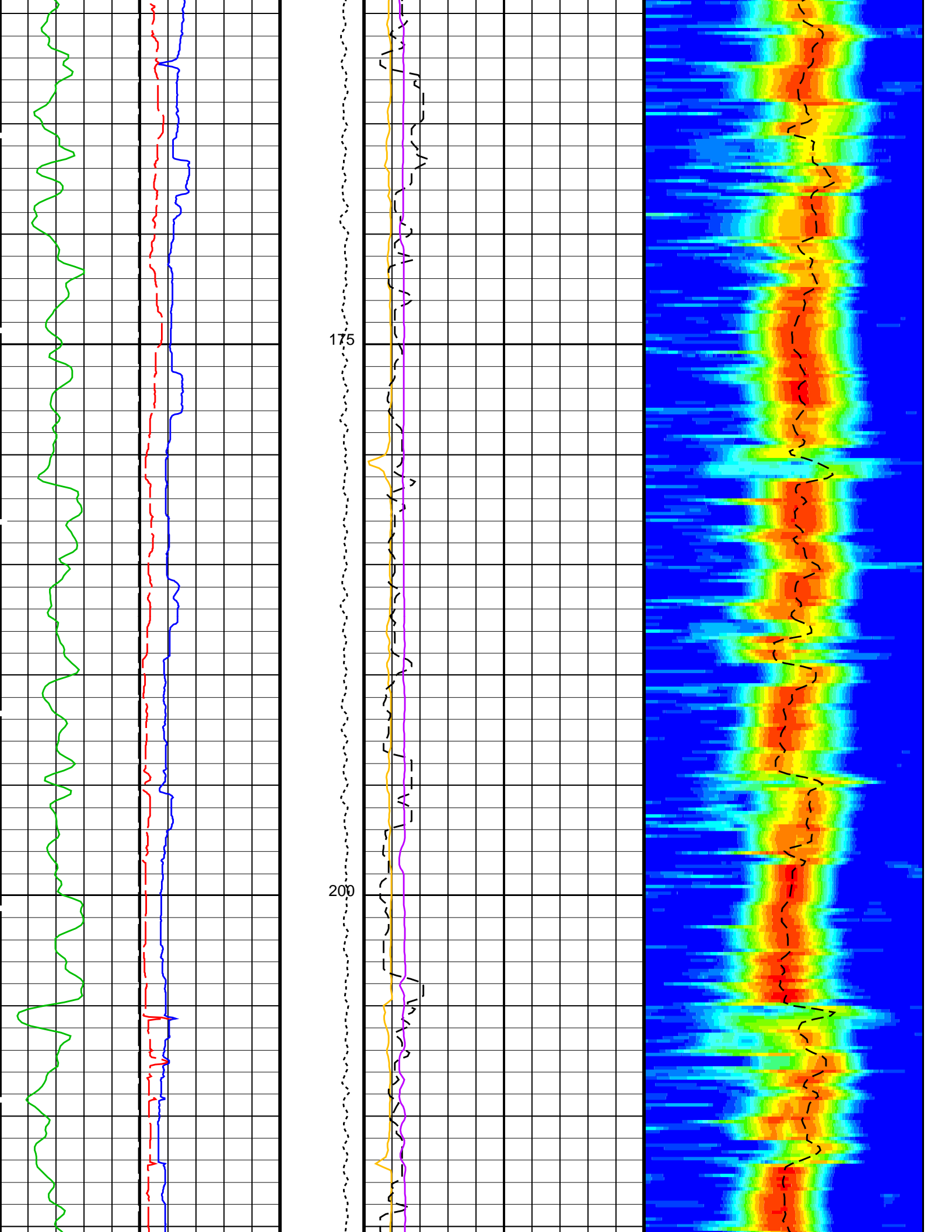
### Changed Parameter Summary

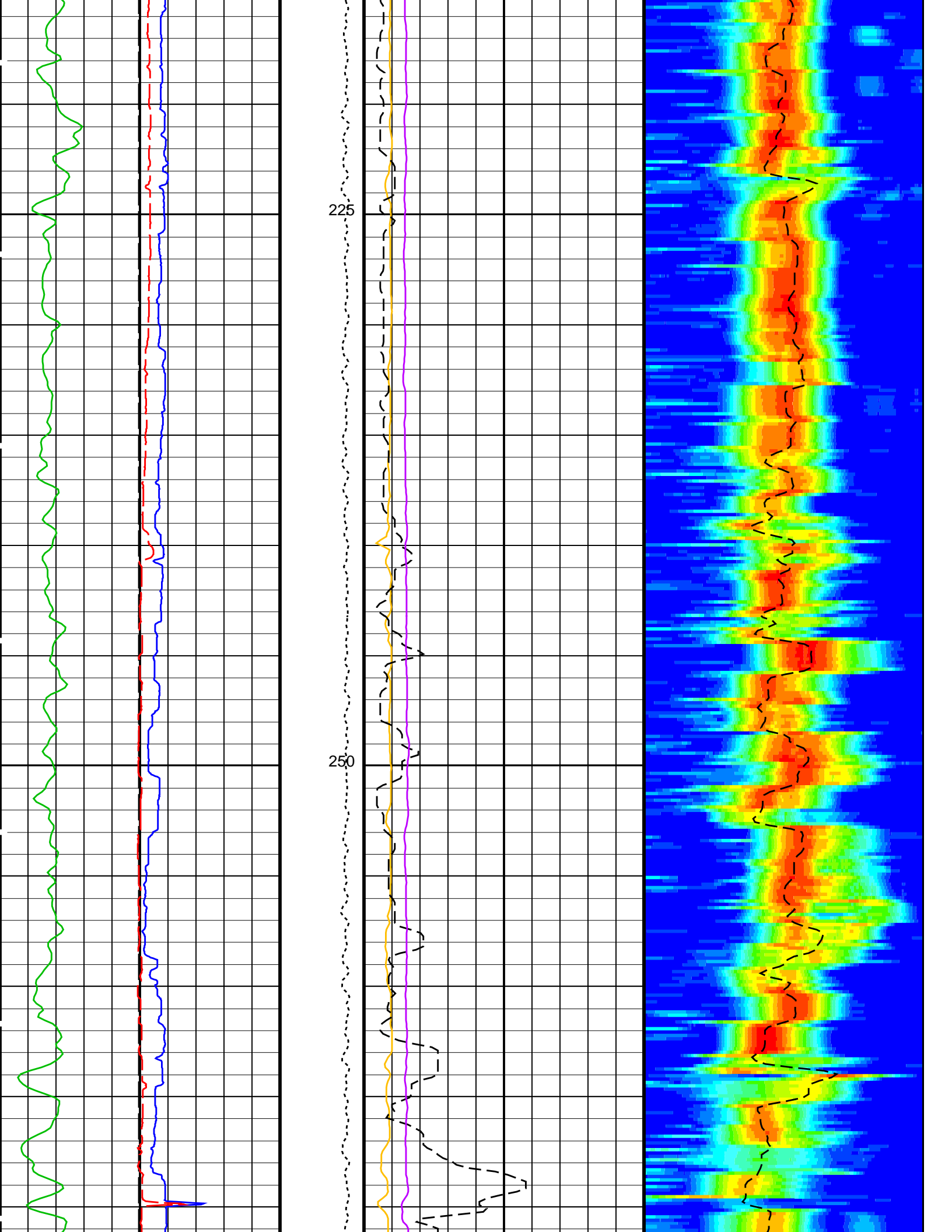
DLIS Name	New Value	Previous Value	Depth & Time
DSHL	75 US/F	220 US/F	946.4 04:51:04
	75 US/F	75 US/F	799.9 04:51:22
DSHU	220 US/F	75 US/F	219.9 04:52:37
	400 US/F	1200 US/F	946.4 04:51:04
	1200 US/F	400 US/F	799.9 04:51:22
	1200 US/F	1200 US/F	219.9 04:52:37

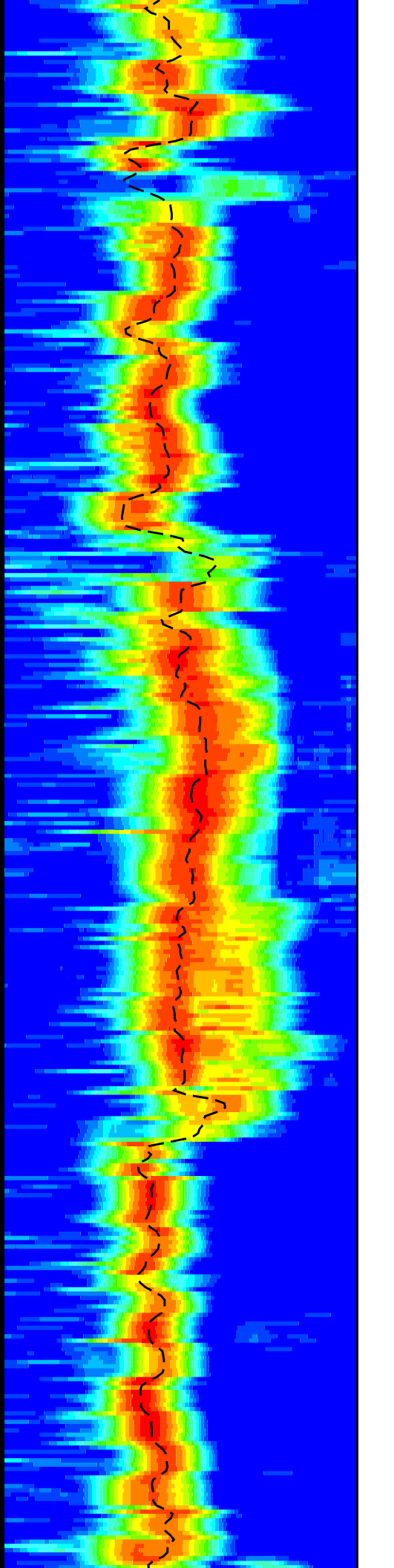
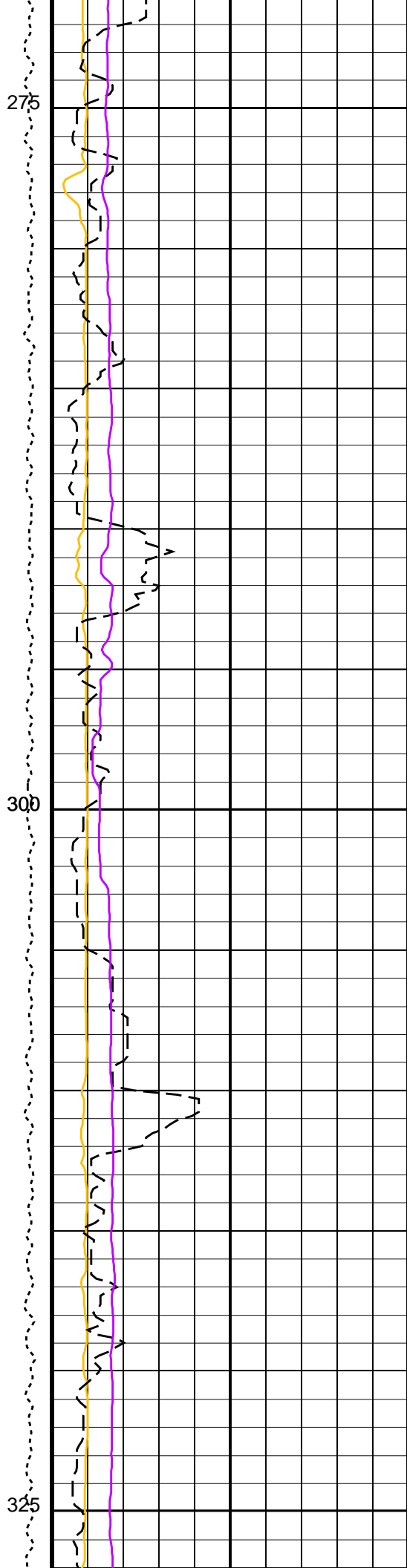
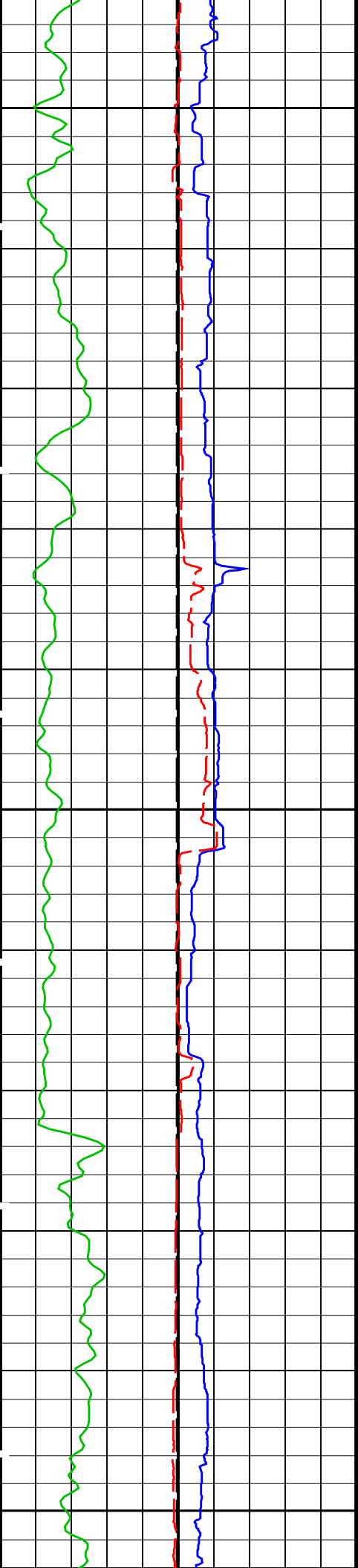
### PIP SUMMARY

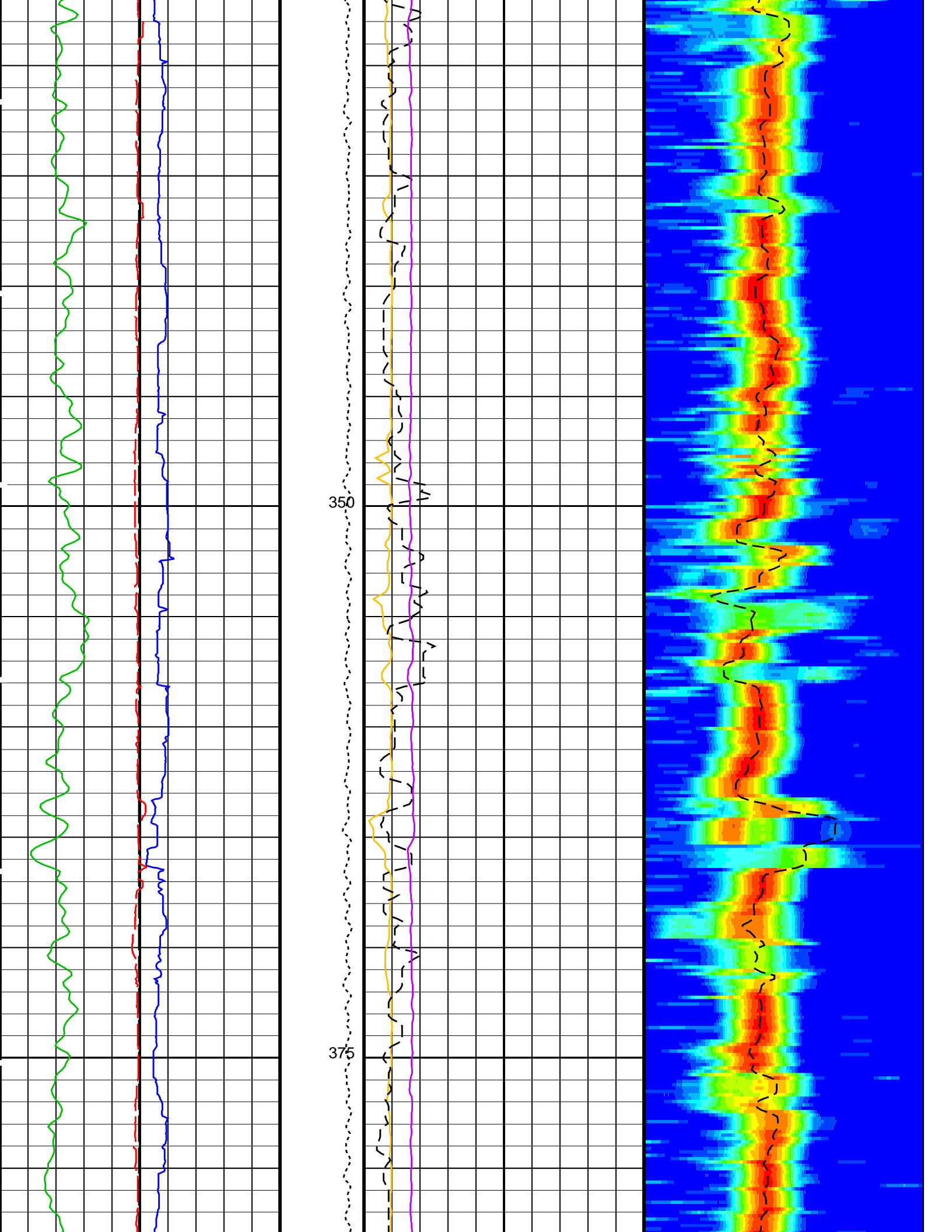
Time Mark Every 60 S

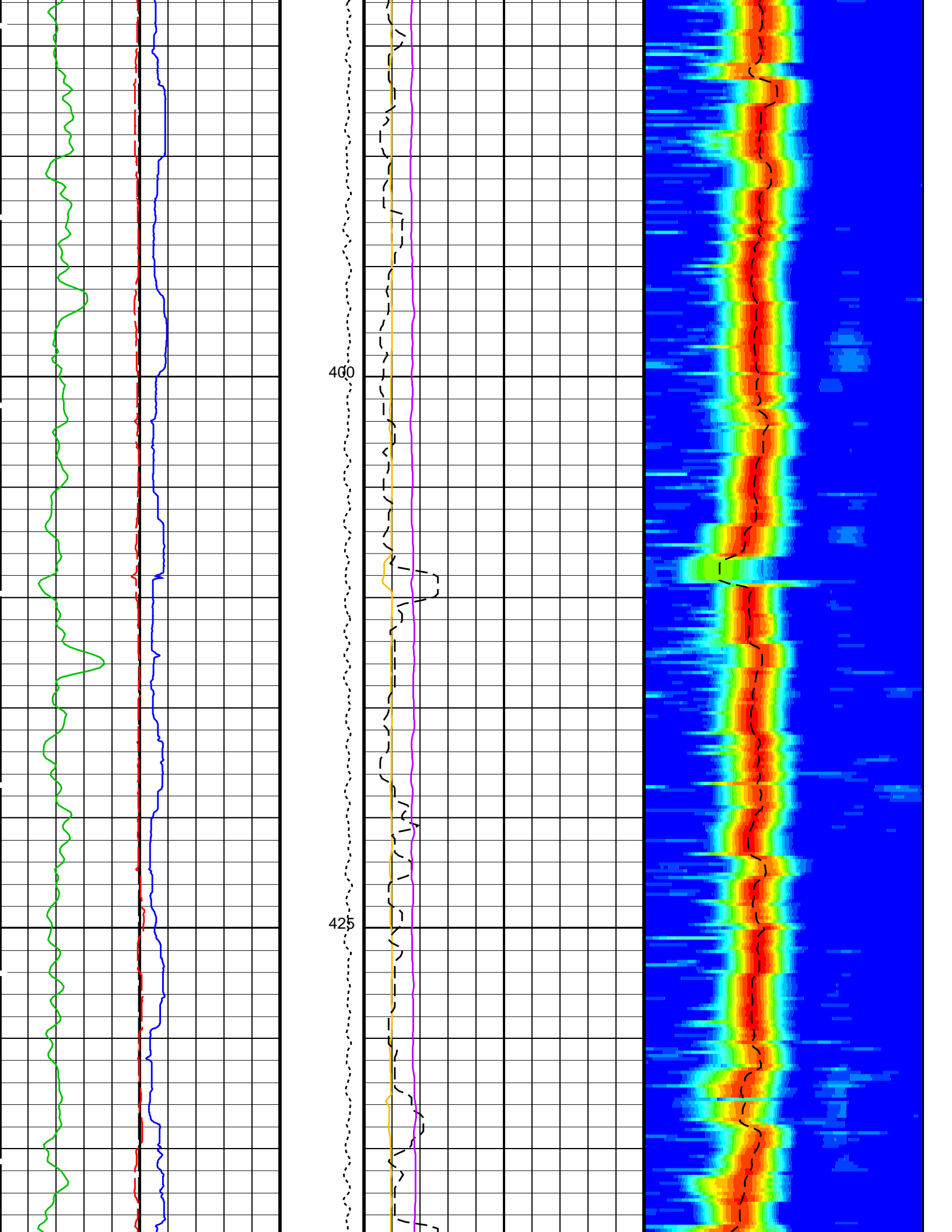


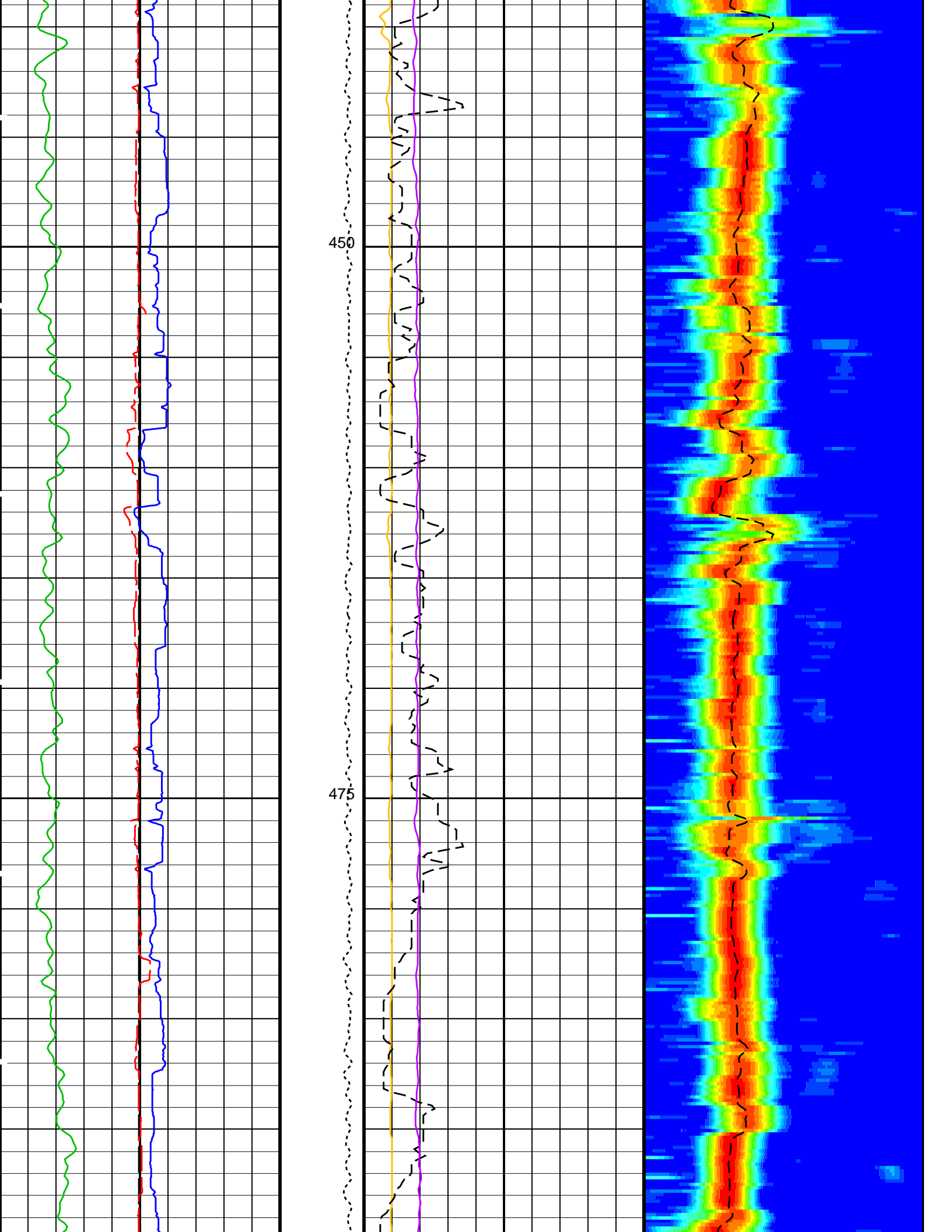


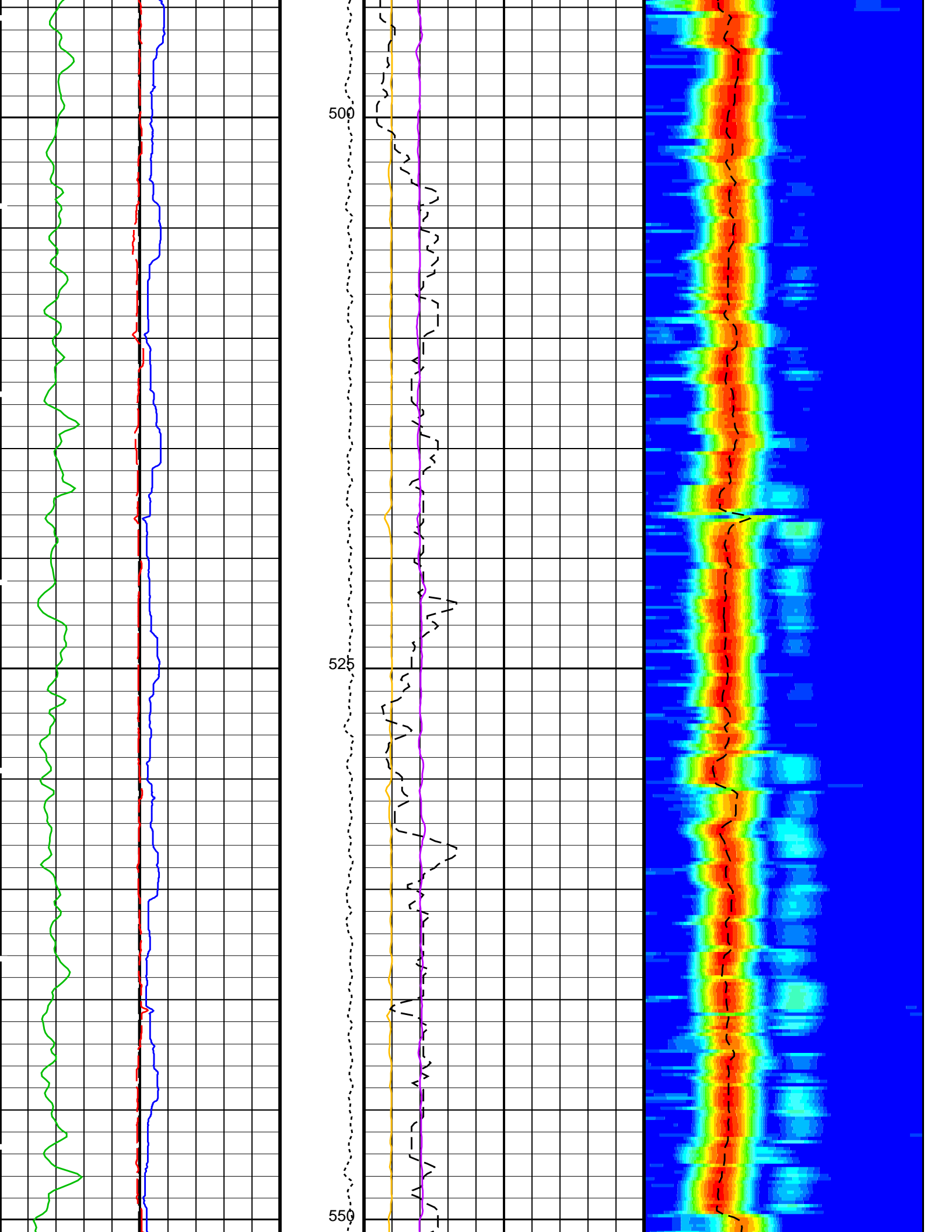




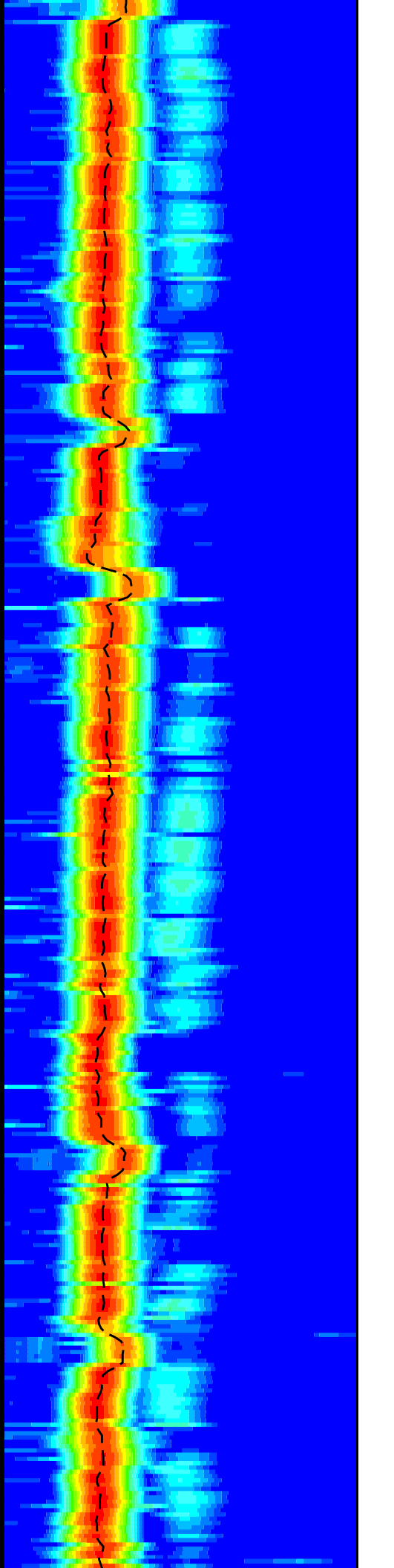
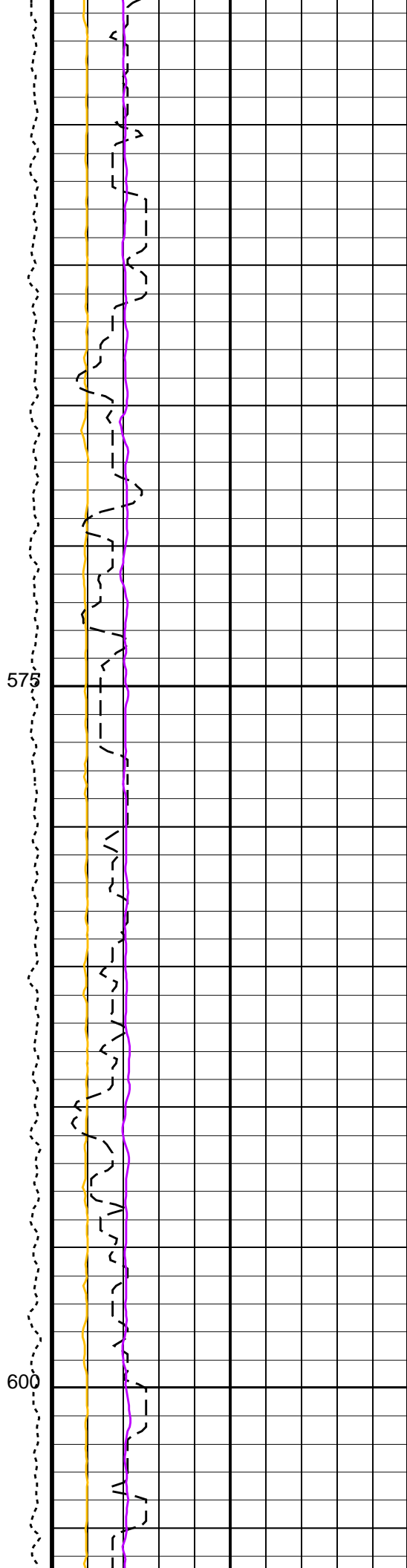
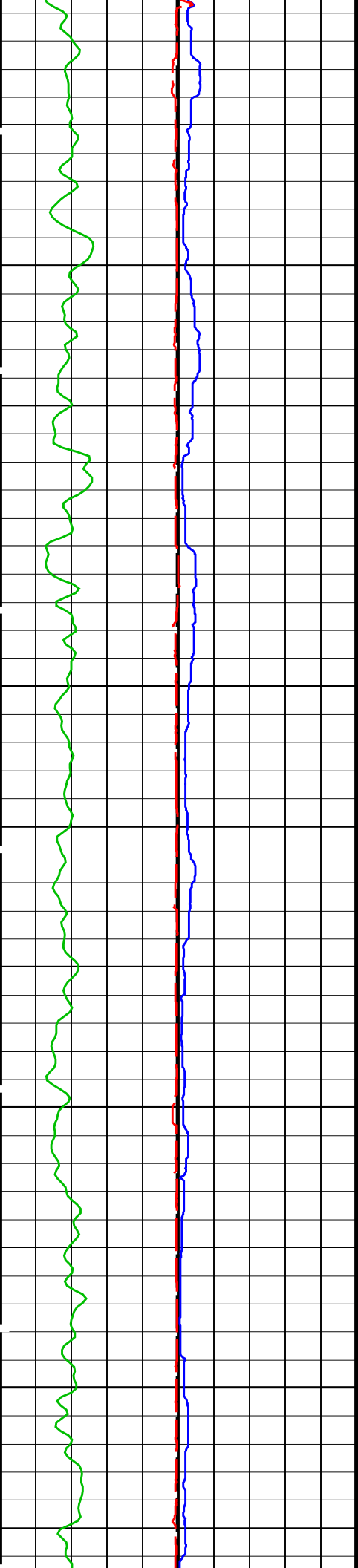


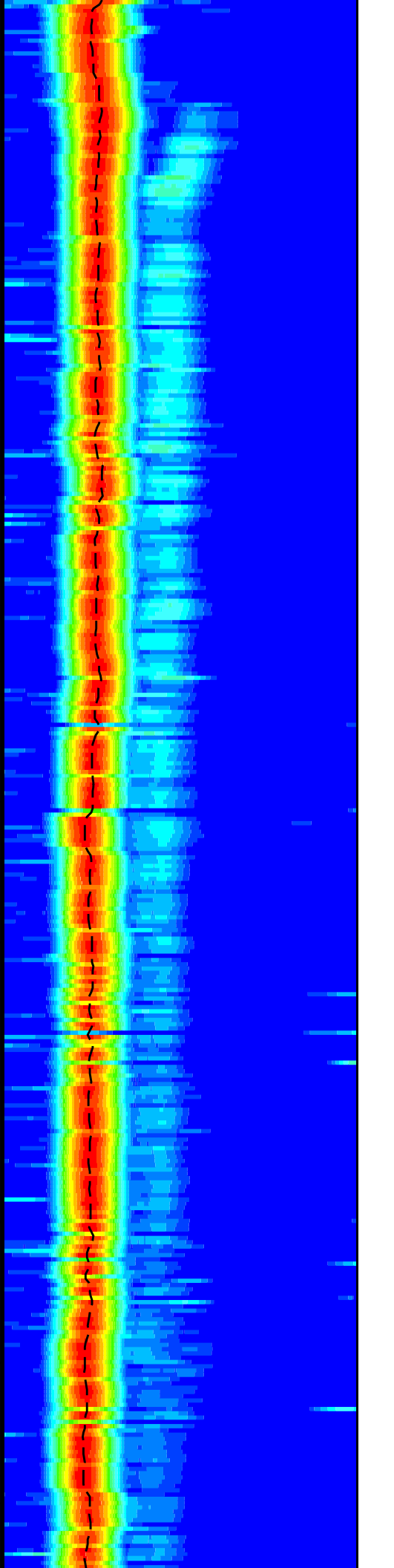
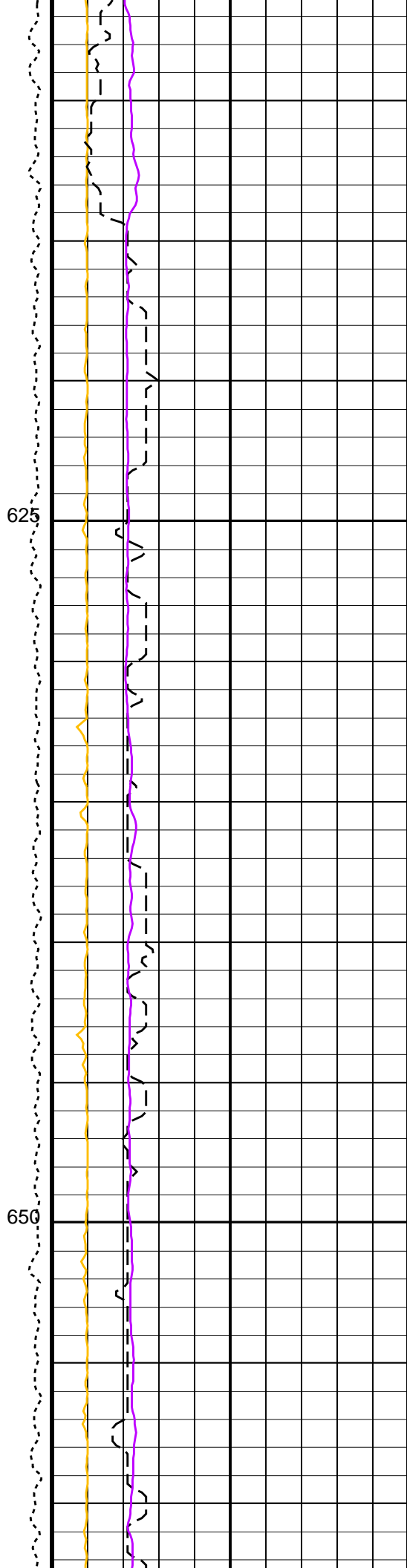
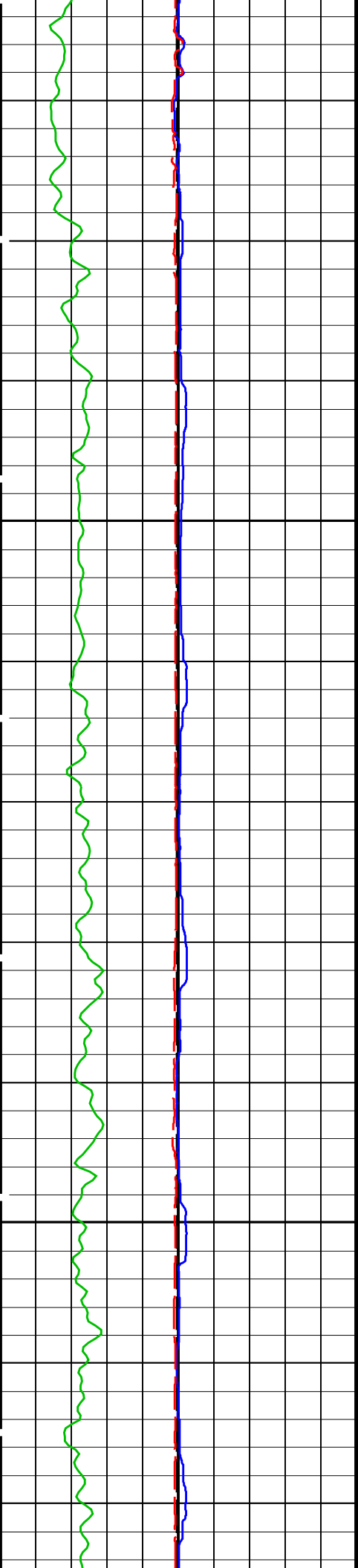


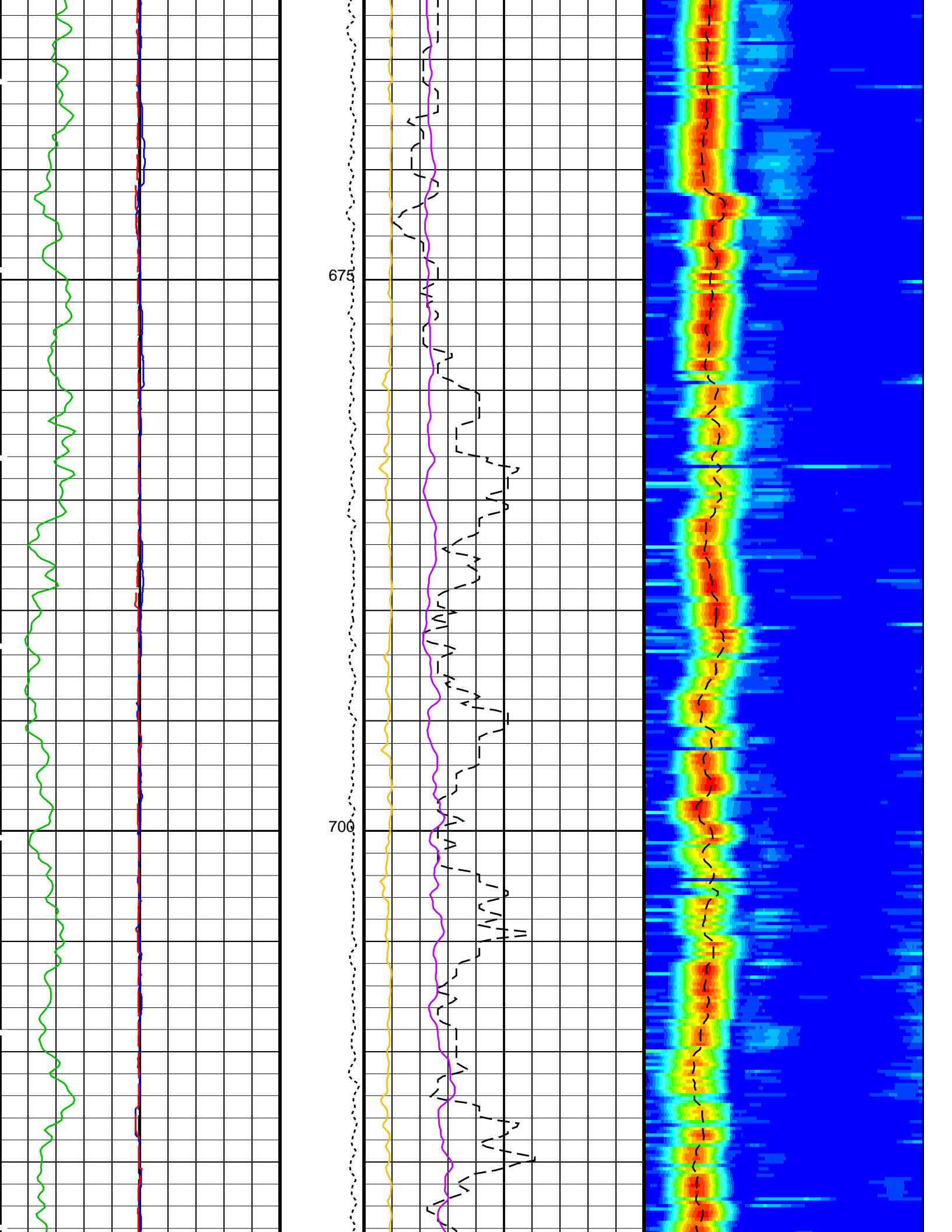


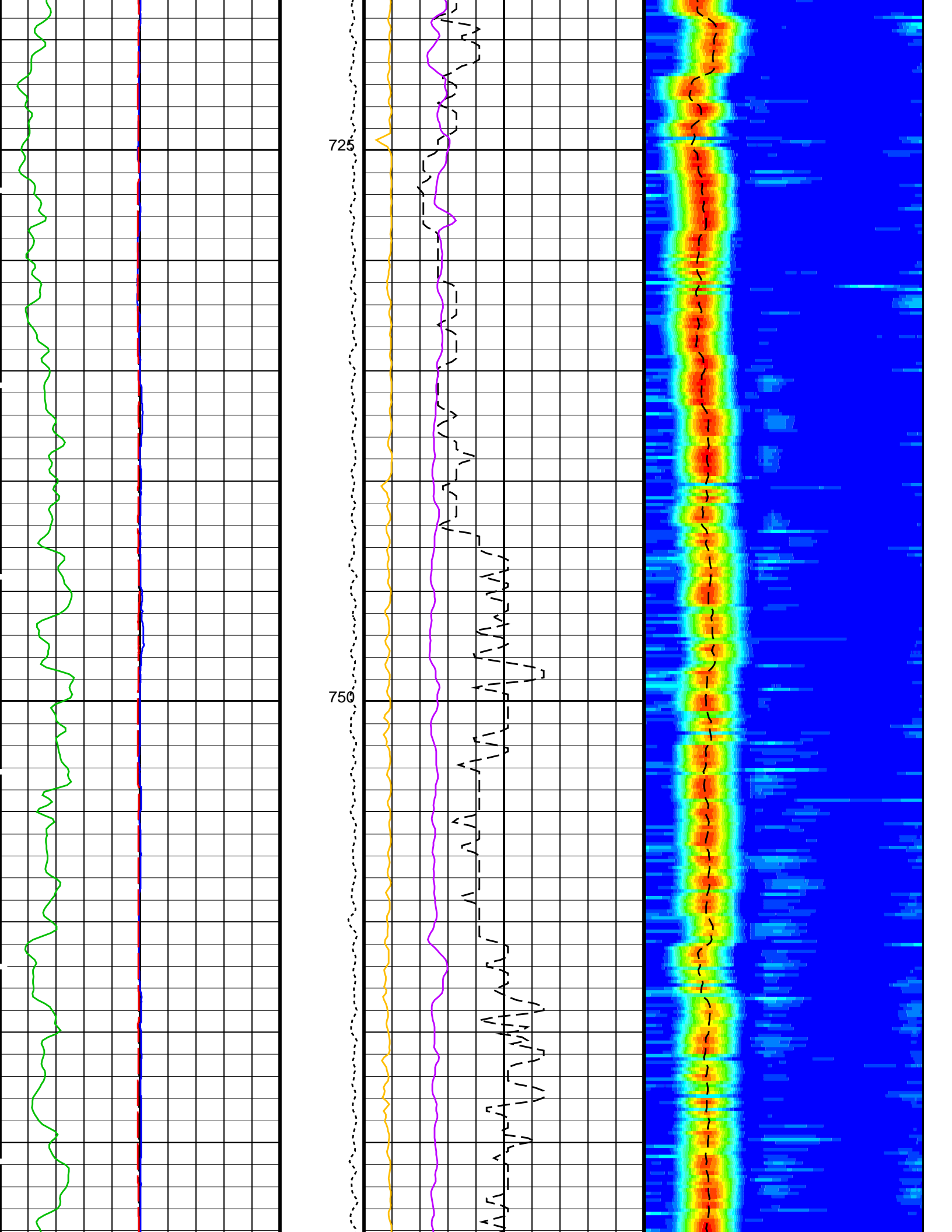


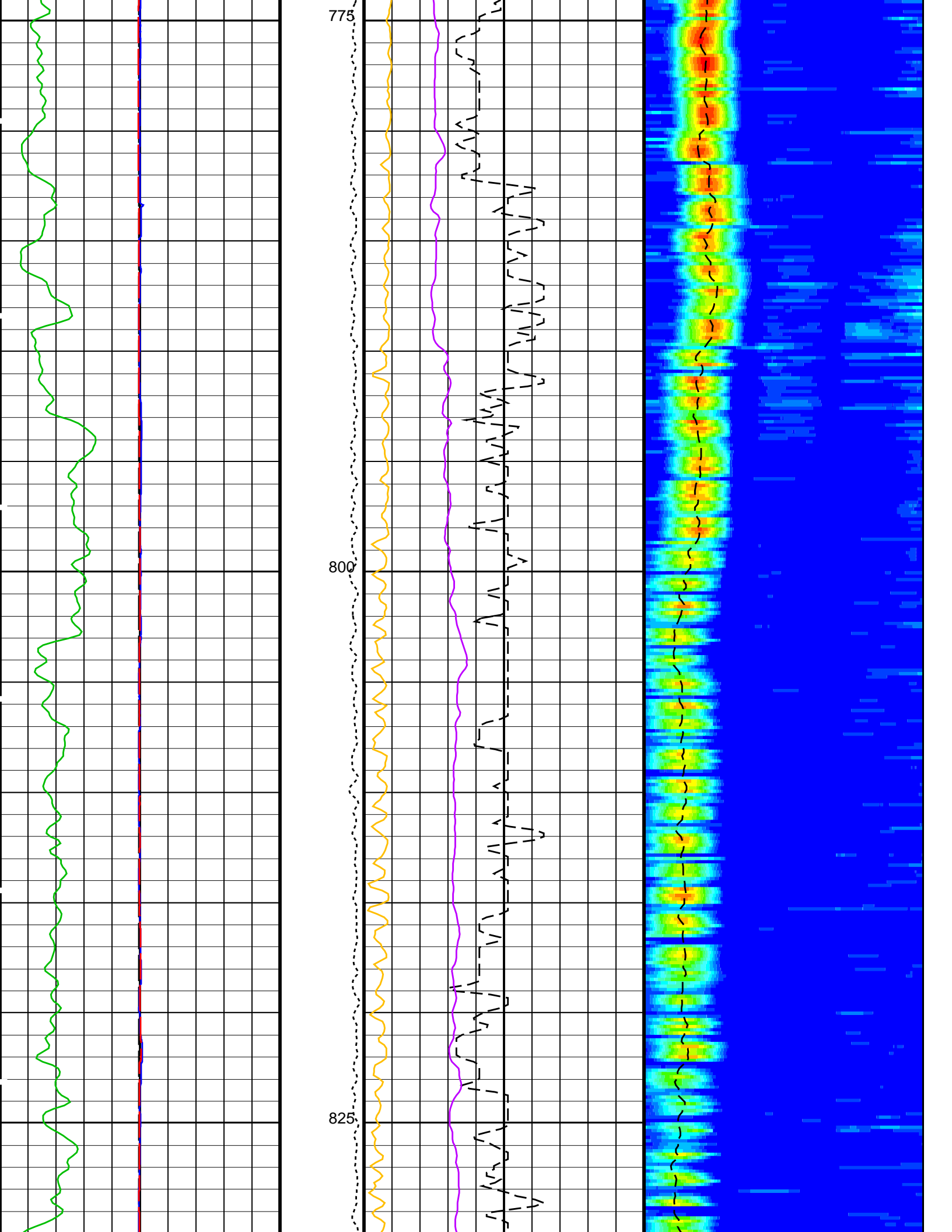


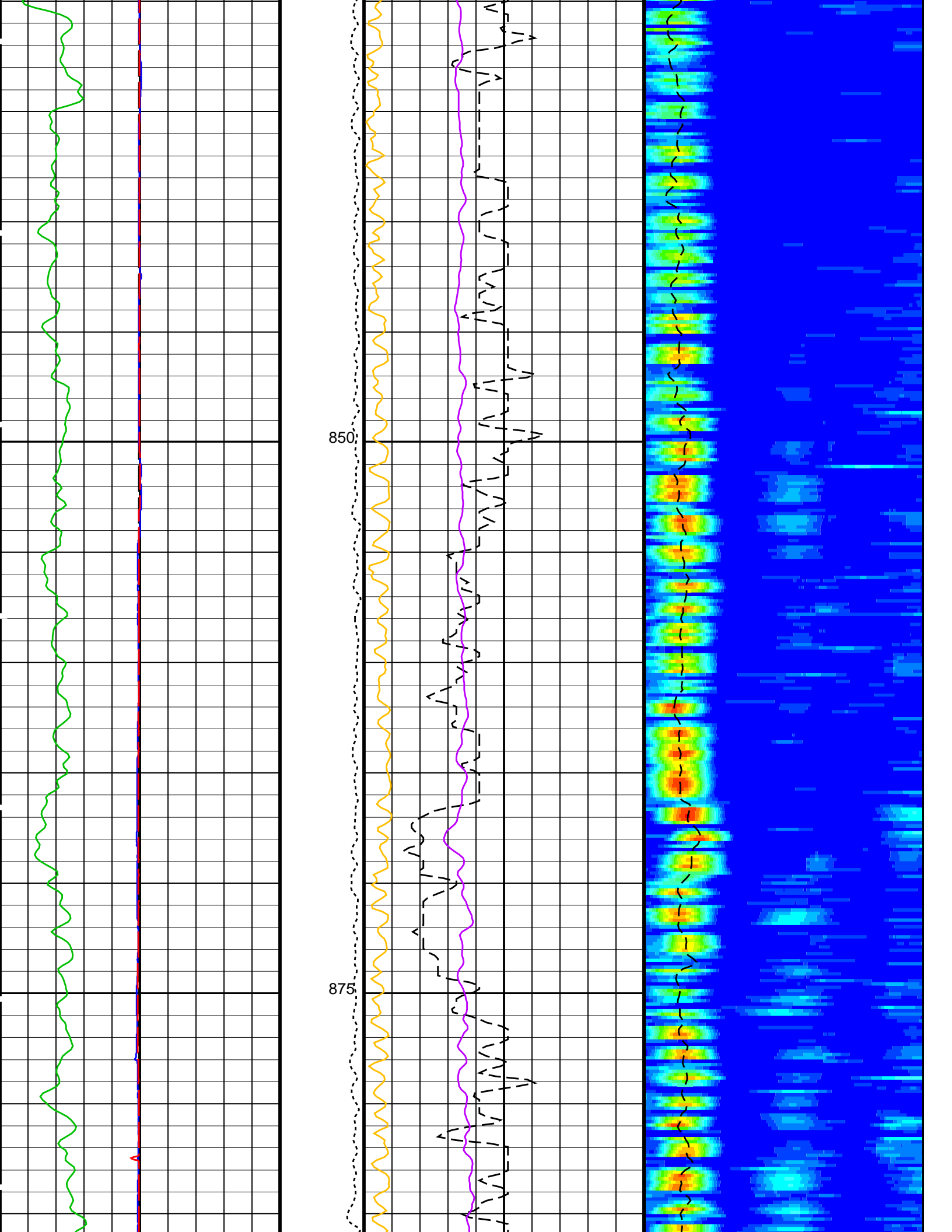


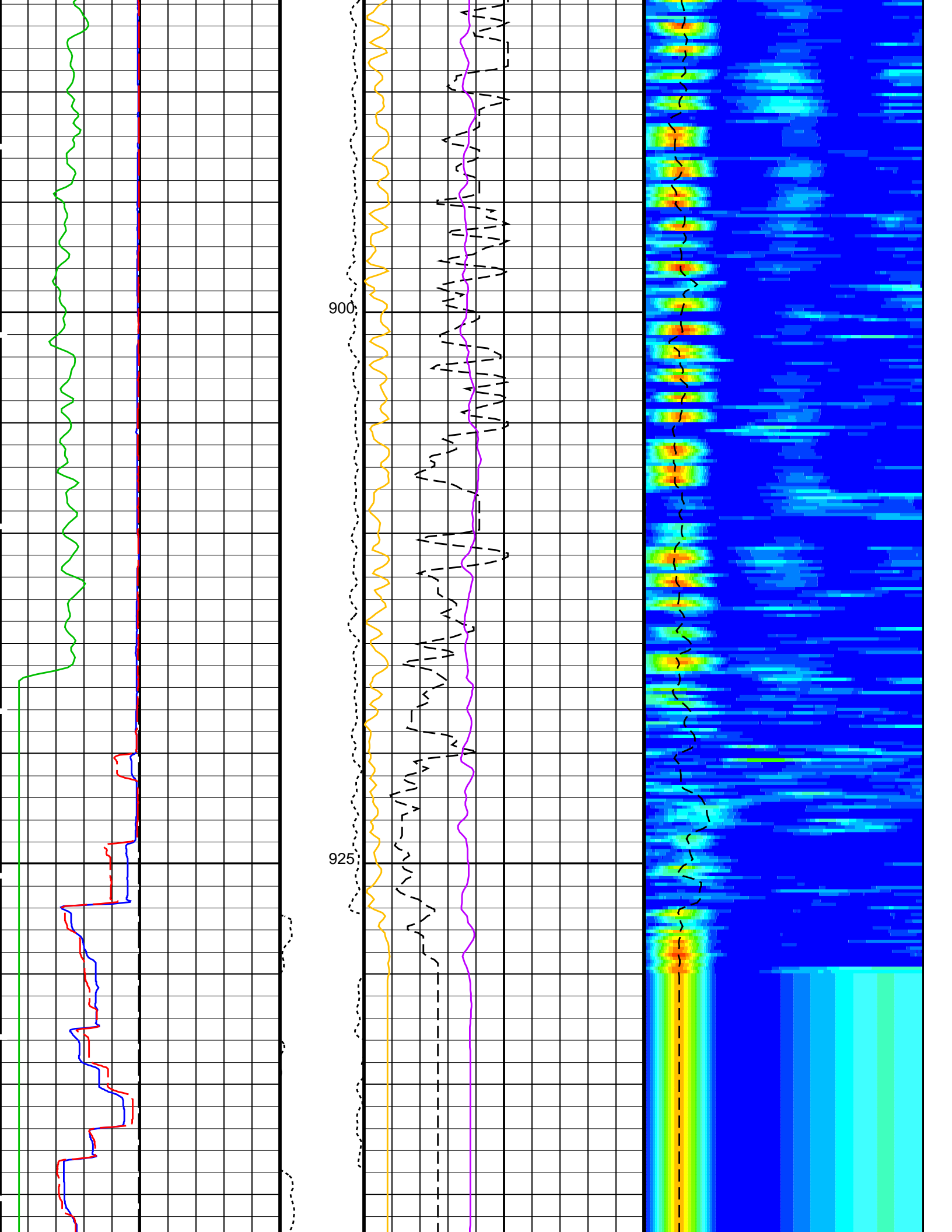


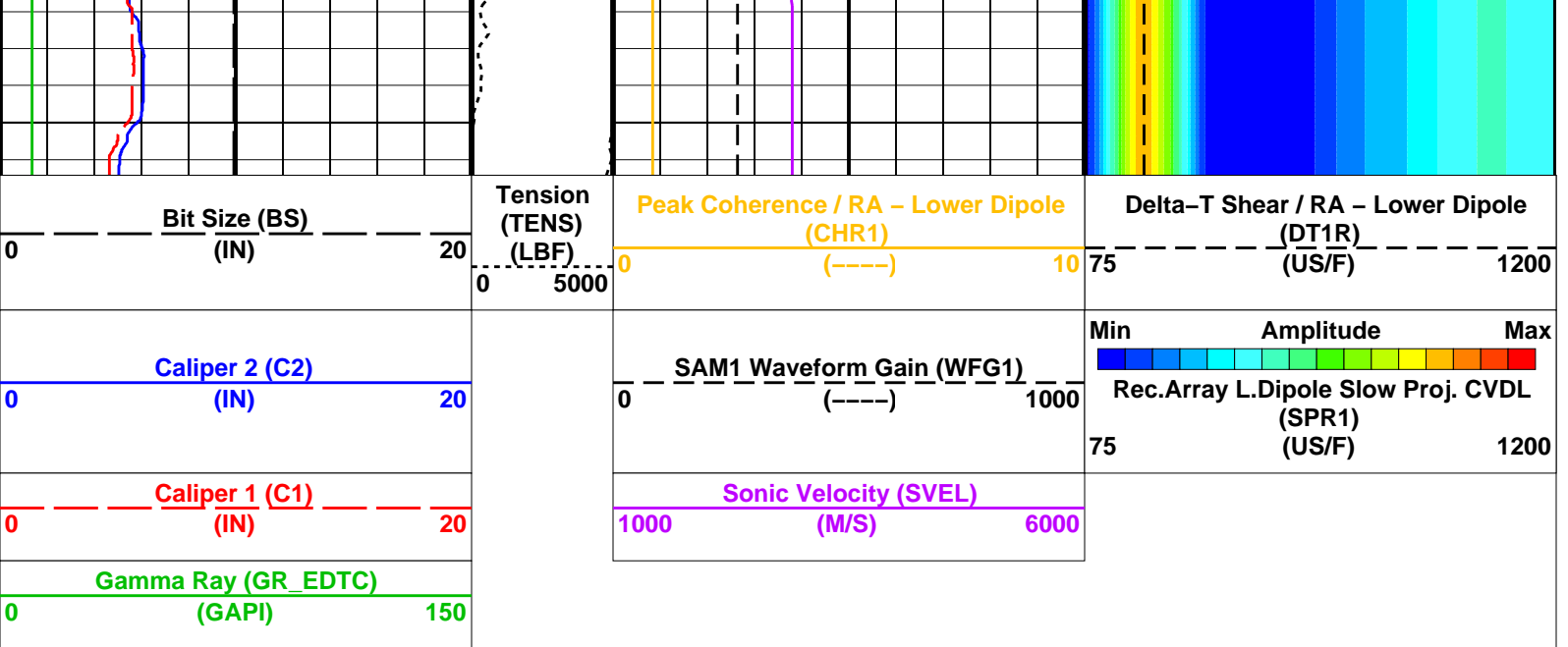












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	220 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
LTXG	Lower Dipole Transmitter Geometry	156 IN
NW11	Number Waveform Items 1	8
NW1X	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS1	STC Sonic Array Status - Lower Dipole	255
SBO1	STC Search Band Offset - Lower Dipole	3000 US
SBW1	STC Search Bandwidth - Lower Dipole	8000 US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE
SFM1	STC Filter - Lower Dipole	B.3-1.5K
SLL1	STC Slowness Lower Limit - Lower Dipole	75 US/F
SST1	STC Slowness Step - Lower Dipole	4 US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1
SUL1	STC Slowness Upper Limit - Lower Dipole	1200 US/F
SWD1	STC Slowness Width - Lower Dipole	40 US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0 US
TLL1	STC Time Lower Limit - Lower Dipole	600 US
TST1	STC Time Step - Lower Dipole	200 US
TUL1	STC Time Upper Limit - Lower Dipole	20440 US
TWD1	STC Time Width - Lower Dipole	2000 US
TWI1	STC Integration Time Window - Lower Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
WFM1	Waveform Mode 1	W1
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	-2122.7 M
PP	Playback Processing	RECOMPUTE



# OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

## Input DLIS Files

DEFAULT	FMS_DSI_NGS_026LUP	FN:30	PRODUCER	22-Apr-2014 21:11	3070.1 M	2260.1 M
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## Output DLIS Files

DEFAULT	FMS_DSI_NGS_050PUP	FN:63	PRODUCER	25-Apr-2014 04:51		
CLIENT	FMS_DSI_NGS_050PUC	FN:64	CUSTOMER	25-Apr-2014 04:51		



## Calibrations

### MAXIS Field Log

#### Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
<b>Micro Electrical Scanner – B (Slim) Wellsite Calibration – Caliper Calibration</b>							
Before: Calibration out of date 4-Feb-2014 3:22							
Caliper 1 Zero Measurement	12.00	N/A	11.98	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.05	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.18	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.38	N/A	N/A	N/A	IN
<b>Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER</b>							
Before: 22-Apr-2014 17:16							
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	
<b>Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET MAGNETOMETER</b>							
Before: 22-Apr-2014 17:16							
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	
<b>Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check</b>							
Master: 4-Feb-2014 21:51 Before: 4-Feb-2014 22:02 After: 4-Feb-2014 22:07							
Na 511 Peak Loc	40.00	39.52	39.48	39.57	0.09216	1.000	
Na 511 Peak Res	15.50	15.96	16.77	17.05	0.2800	2.000	%
High Voltage	1150	1194	1193	1193	0.08801	N/A	V
Na 1785 Peak Loc	142.6	142.1	141.8	142.0	0.2398	7.000	
Na 1785 Peak Res	8.500	9.703	8.709	9.174	0.4646	2.000	%
Temperature	15.50	35.74	35.71	35.75	0.03577	N/A	DEGC
Na Count Rate	45.00	11.77	12.16	12.19	0.02500	8.000	CPS
<b>Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check</b>							
Master: 4-Feb-2014 21:51 Before: 4-Feb-2014 22:02 After: 4-Feb-2014 22:07							
Na 511 Peak Loc	40.00	39.56	39.51	40.01	0.4946	1.000	
Na 511 Peak Res	15.50	16.07	16.56	16.11	-0.4463	2.000	%
High Voltage	1150	1126	1128	1128	0.1504	N/A	V
Na 1785 Peak Loc	142.6	142.3	143.1	142.2	-0.8427	7.000	
Na 1785 Peak Res	8.500	8.959	9.953	8.887	-1.065	2.000	%

Temperature	15.50	36.60	36.88	36.96	0.08454	N/A	DEGC
Na Count Rate	45.00	12.28	12.68	12.52	-0.1613	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 4-Feb-2014 21:51 Before: 4-Feb-2014 22:02 After: 4-Feb-2014 22:07							
Coincidence Count Rate Ratio	1.000	0.9624	0.9606	0.9690	0.008355	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 22-Apr-2014 8:07							
EDTC Z-Axis Acceleration	9.810	N/A	9.752	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 22-Apr-2014 8:17 After: 22-Apr-2014 15:50							
Gamma Ray (Jig – Bkg)	156.4	N/A	156.4	158.2	1.813	14.22	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	166.9	1.913	15.00	GAPI

Micro Electrical Scanner – B (Slim) / Equipment Identification			
Primary Equipment:			
MEST Sonde – B		MEDS – B	724
MEST Preamplifier Cartridge – AB		MEPC – AB	807
GPIT Cartridge – AC		GPIC – AC	840
MEST Acquisition Cartridge – A		MEAC – A	875
Auxiliary Equipment:			
MEST-B Preamplifier Cartridge Housing		MEPH – A	702
MEST Acquisition Cartridge Housing (Slim)		MEAH – B	769

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification			
Primary Equipment:			
HNGC Cartridge		HNGC – B	300
Auxiliary Equipment:			
HNGC Housing		HNGH – A	115

Hostile Natural Gamma Ray Sonde / Equipment Identification			
Primary Equipment:			
HNGS Sonde		HNGS – BA	194
Auxiliary Equipment:			
HNGS Sonde Housing		HNSH – BA	205
Gamma Source Radioactive		GSR – U	616008

Hostile Natural Gamma Ray Sonde Wellsite Calibration									
Detector 1 Check									
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value	
Master		39.52	Master		15.96	Master		1194	
Before		39.48	Before		16.77	Before		1193	
After		39.57	After		17.05	After		1193	
	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		142.1	Master		9.703	Master		35.74	
Before		141.8	Before		8.709	Before		35.71	
After		142.0	After		9.174	After		35.75	
	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		11.77							
Before		12.16							



Alter	0	30.00	120.0	Alter	142.2	156.4	Alter	150.0	165.0	180.0
	(Minimum)	(Nominal)	(Maximum)		(Minimum)	(Nominal)		(Minimum)	(Nominal)	(Maximum)
Before: 22-Apr-2014 8:17			After: 22-Apr-2014 15:50							

Company: **Lamont Doherty Earth Observatory**

**Schlumberger**

Well: **Expedition 350, Site U1437D**

Field: **IBM-1 (Rear Arc)**

Rig: **JOIDES Resolution**

Country:

DSI Sonic  
Lower Dipole