

Company: **International Ocean Discovery Program**

Well: **Expedition 359, Site U1471E**

Field: **Maldives Monsoon & Sea Level**

Rig: **JOIDES Resolution** Country:

Dipole Shear Sonic Imager (DSI)

LOCATION

Latitude: N 4° 45.98'
Longitude: E 73° 08.09'

Elev.: K.B. 0.00 m
G.L. 430.30 m
D.F. 0.00 m

Permanent Datum: Sea Floor Elev.: 430.30 m
Log Measured From: Rig Floor -430.30 m above Perm. Datum
Drilling Measured From: Rig Floor

Ocean: Indian Max. Well Deviation 0 deg Longitude E 73.1348 Latitude N 4.7663

Rig: JOIDES Resolution

Field: Maldives Monsoon & Sea Level

Location: Latitude: N 4° 45.98'

Well: Expedition 359, Site U1471E

Company: International Ocean Discovery Program

Logging Date 26-Nov-2015
Run Number 3
Depth Driller 1434 m
Schlumberger Depth 884 m
Bottom Log Interval 874 m
Top Log Interval 430.3 m
Casing Driller Size @ Depth 5.500 in @ 530.7 m
Casing Schlumberger 530.7 m
Bit Size 9.875 in
Type Fluid In Hole Seawater

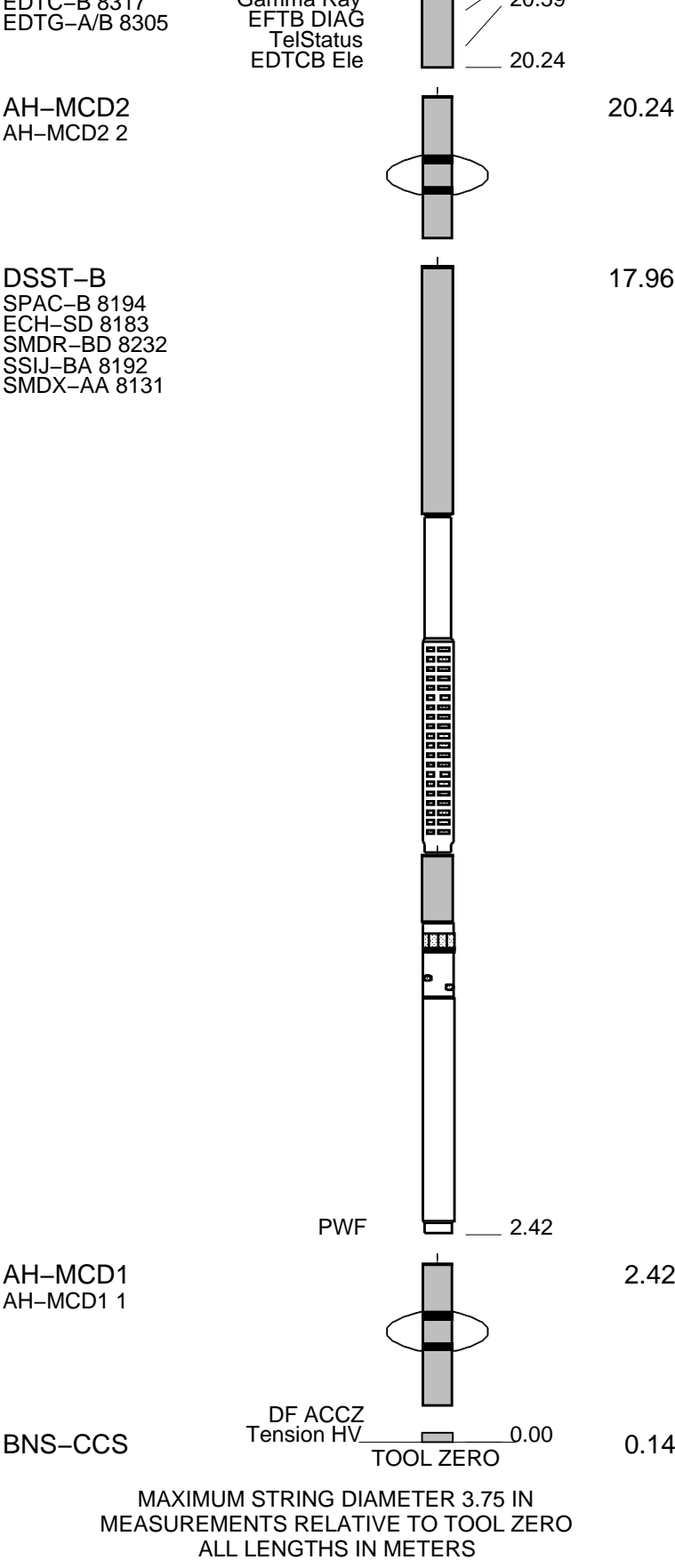
MUD Density Viscosity 1.05 g/cm3
Fluid Loss PH 8.07
Source Of Sample Mudpit
RM @ Measured Temperature 0.220 ohm.m @ 23 degC
RMF @ Measured Temperature @
RMC @ Measured Temperature @
Source RMF RMC N/A N/A
RM @ MRT RMF @ MRT 0.078 @ 104 @ 104 @
Maximum Recorded Temperatures 104 degC
Circulation Stopped Time 26-Nov-2015 21:30
Logger On Bottom Time 25-Nov-2015 20:00
Unit Number Location 627314 Houma, LA
Recorded By C. Furman
Witnessed By A. Slagle, T. Ludmann

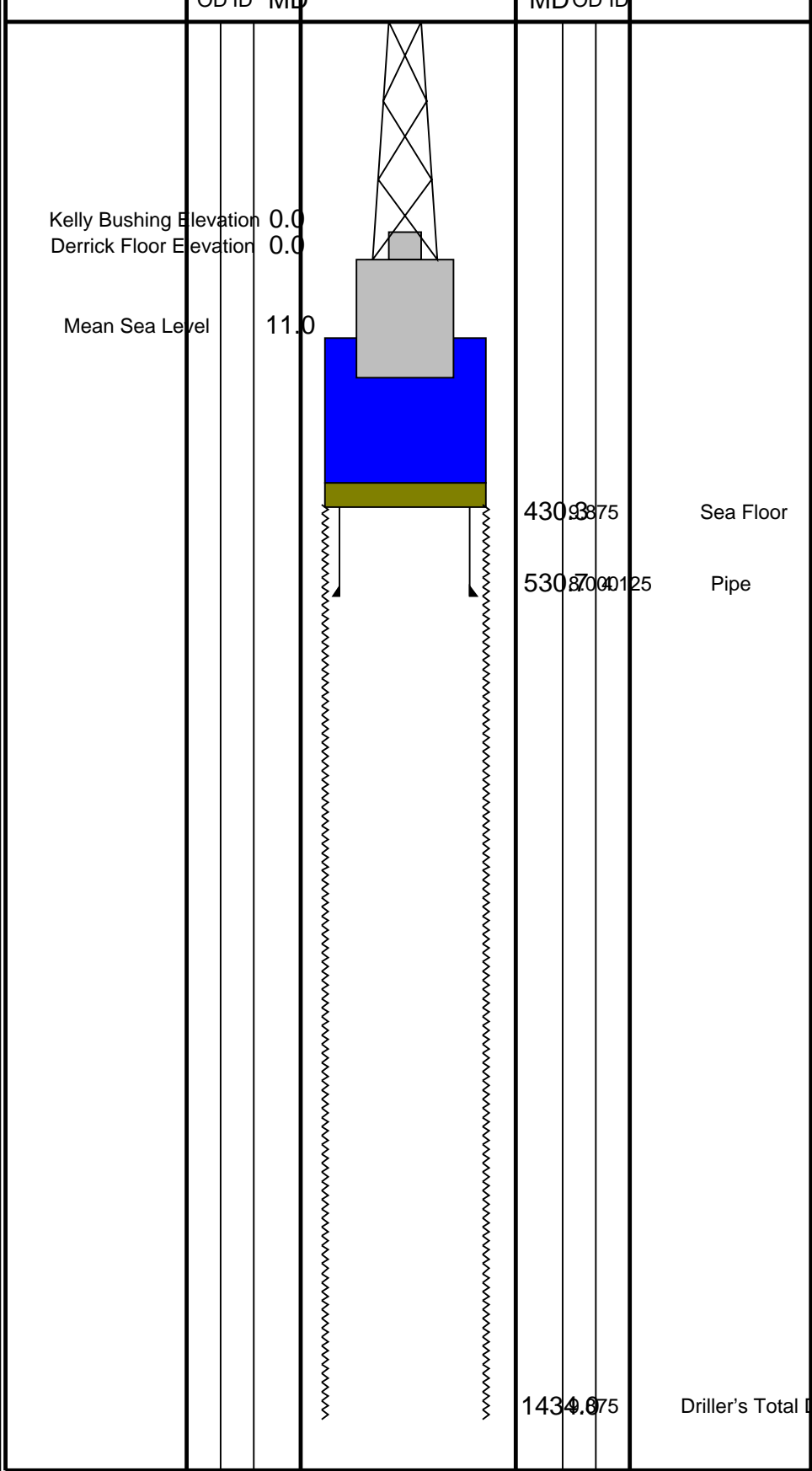
Logging Date
Run Number
Depth Driller
Schlumberger Depth
Bottom Log Interval
Top Log Interval
Casing Driller Size @ Depth @
Casing Schlumberger
Bit Size
Type Fluid In Hole

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

Run 1

Run 2



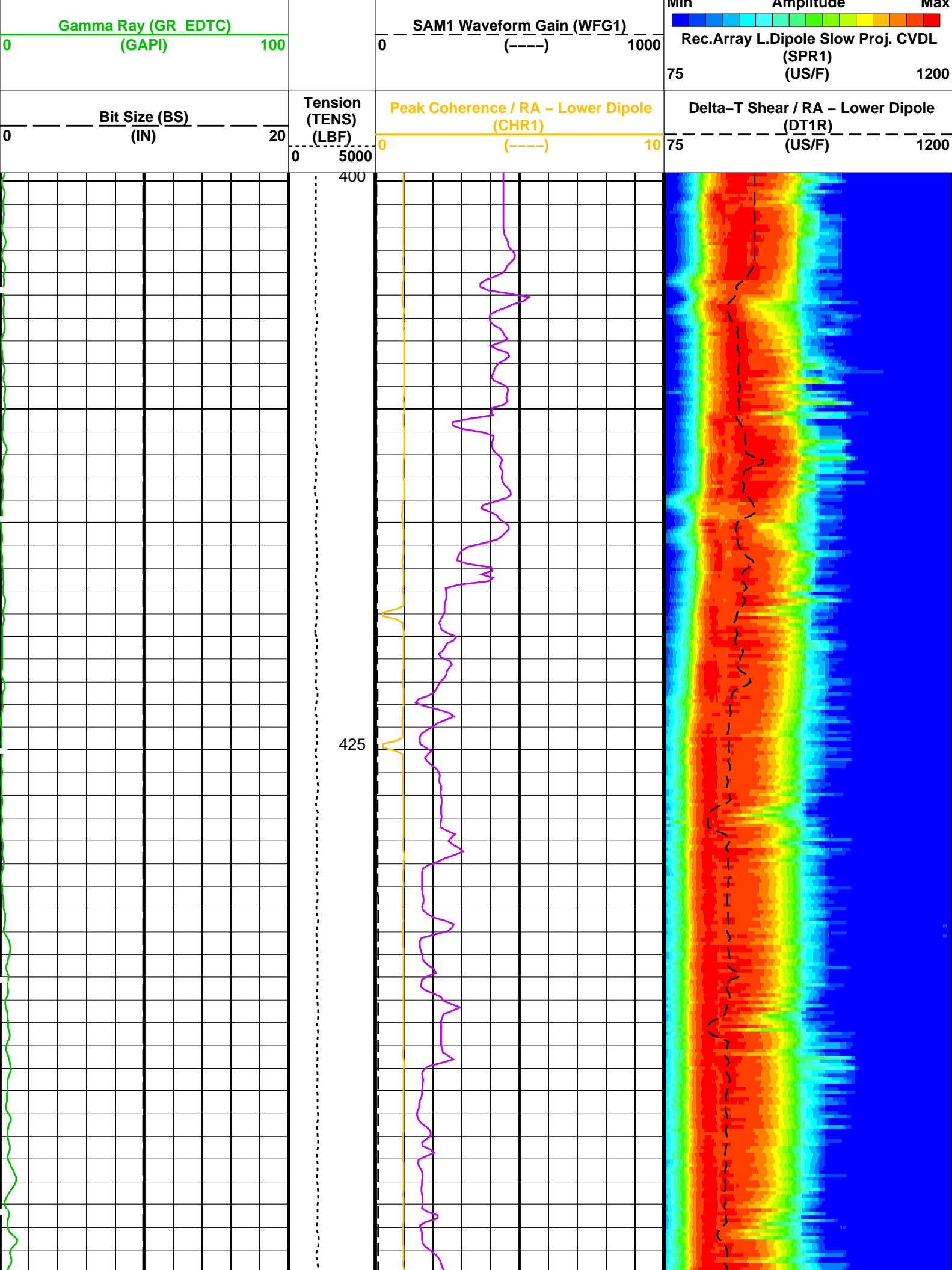


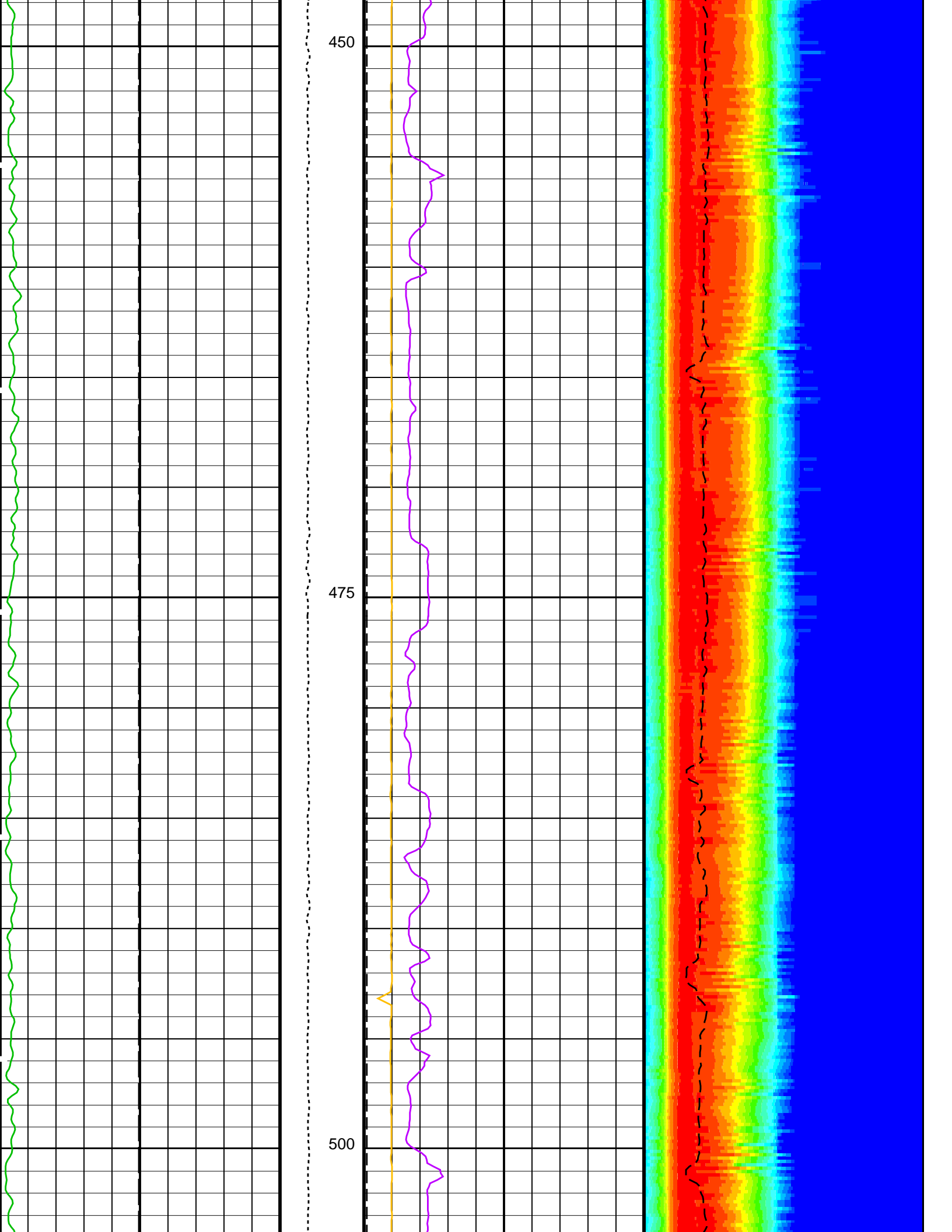


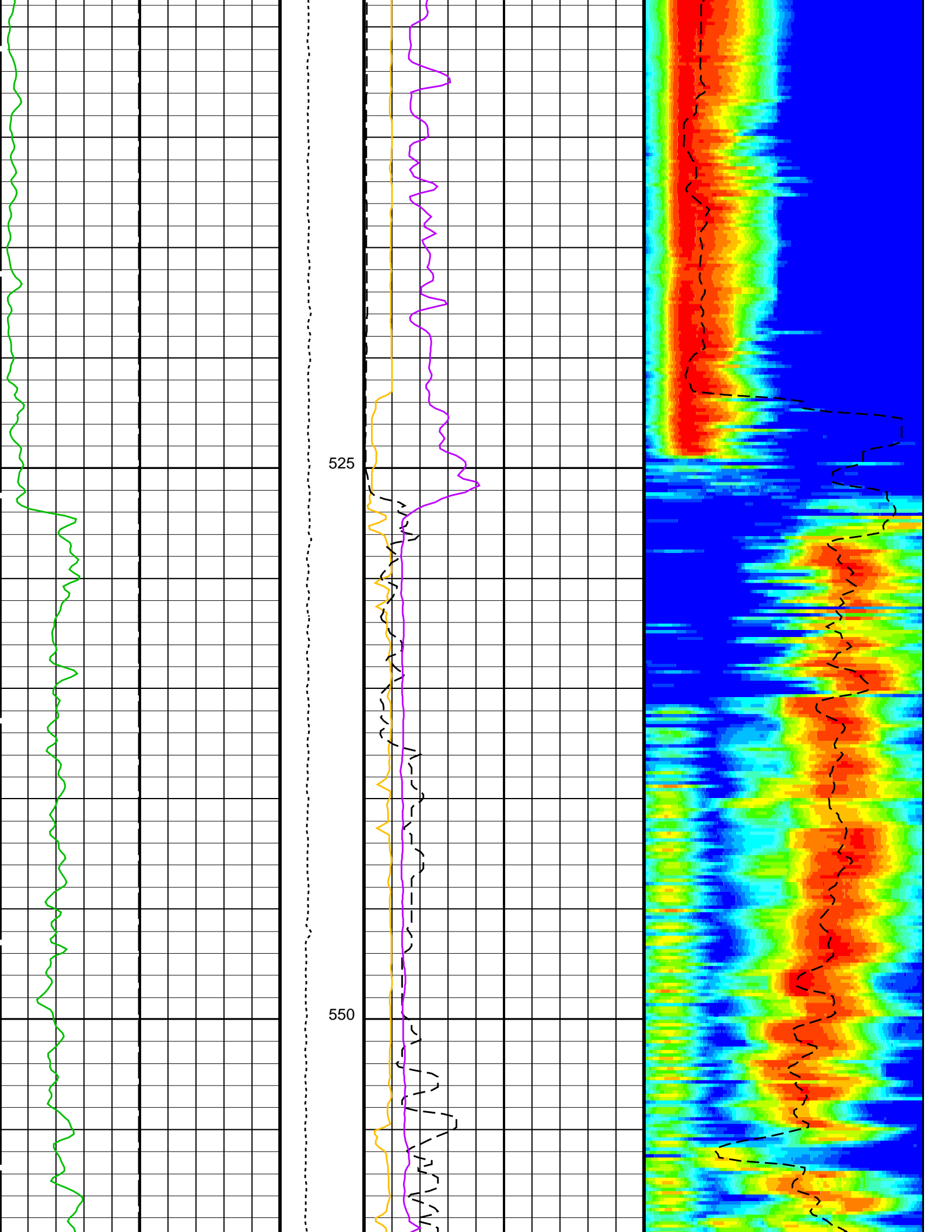
Uplog

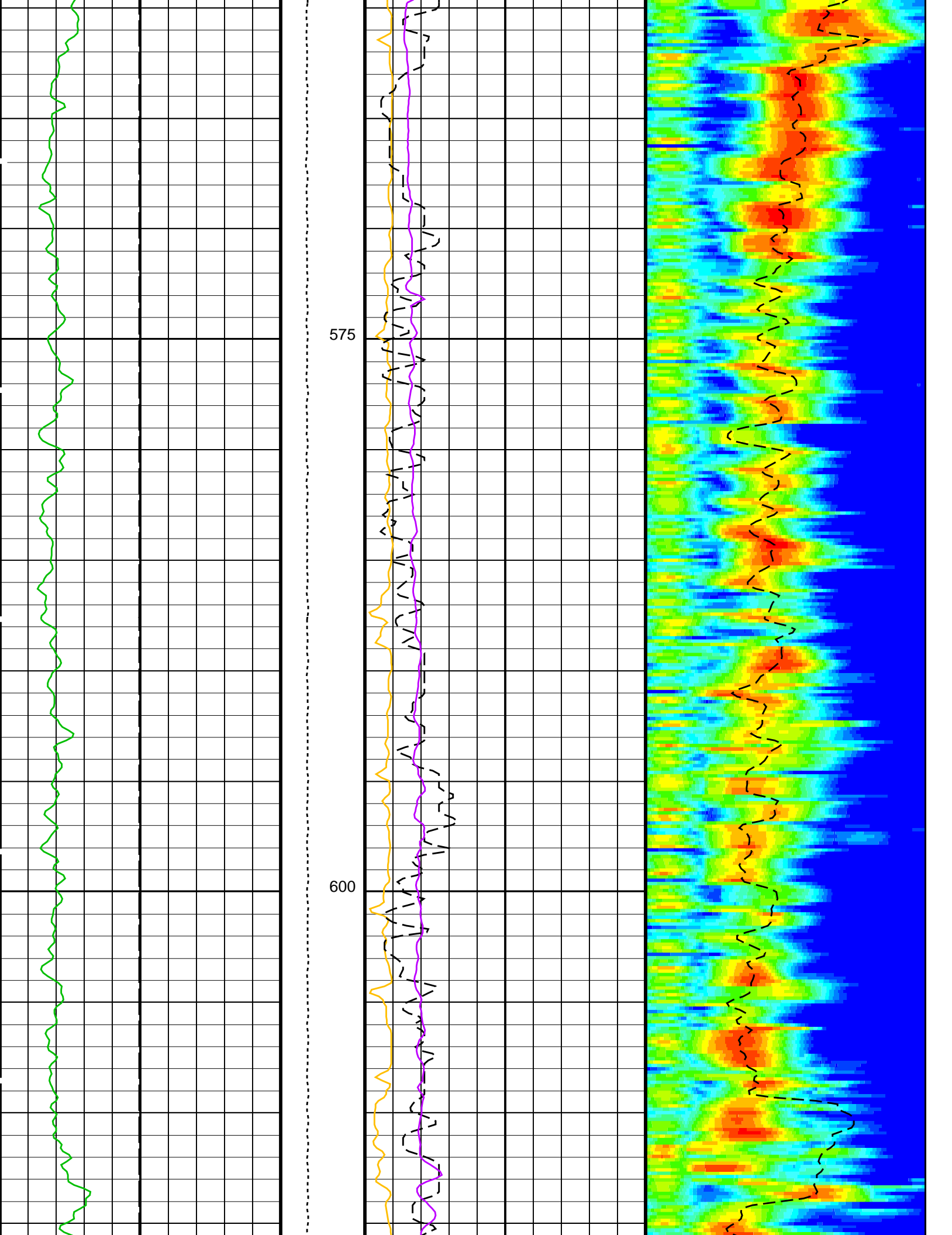
MAXIS Field Log

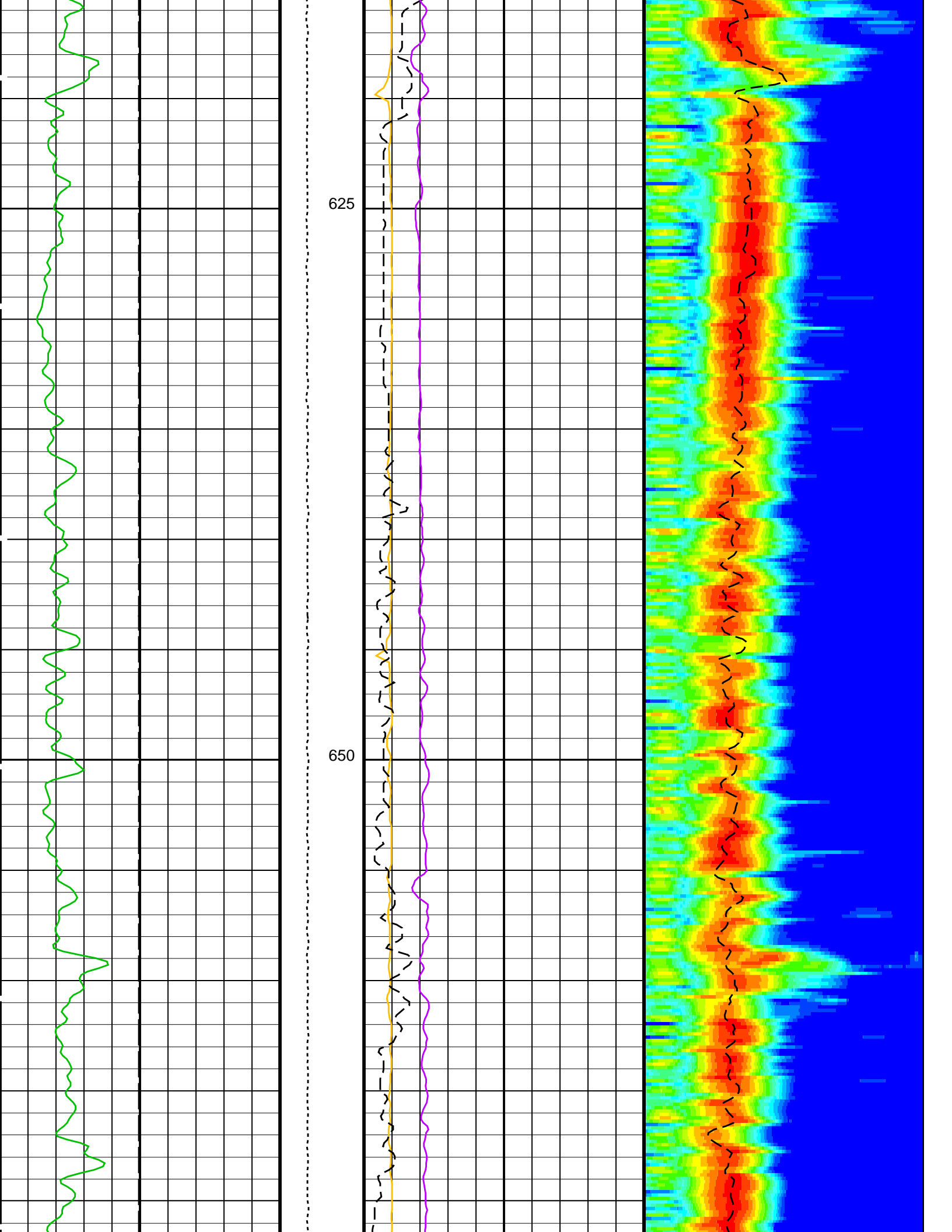
Output DLIS Files				
DEFAULT	DSI_018LUP	FN:23	PRODUCER	26-Nov-2015 12:30
RTB	DSI_018LUP	FN:24	PRODUCER	26-Nov-2015 12:30
OP System Version: 19C0-187				
DSST-B	19C0-187	EDTC-B	SKK-5169-EDTCB	
PIP SUMMARY				
<div><div></div>Time Mark Every 60 S</div>				
		Sonic Velocity (SVEL)		
		1000	(M/S)	6000

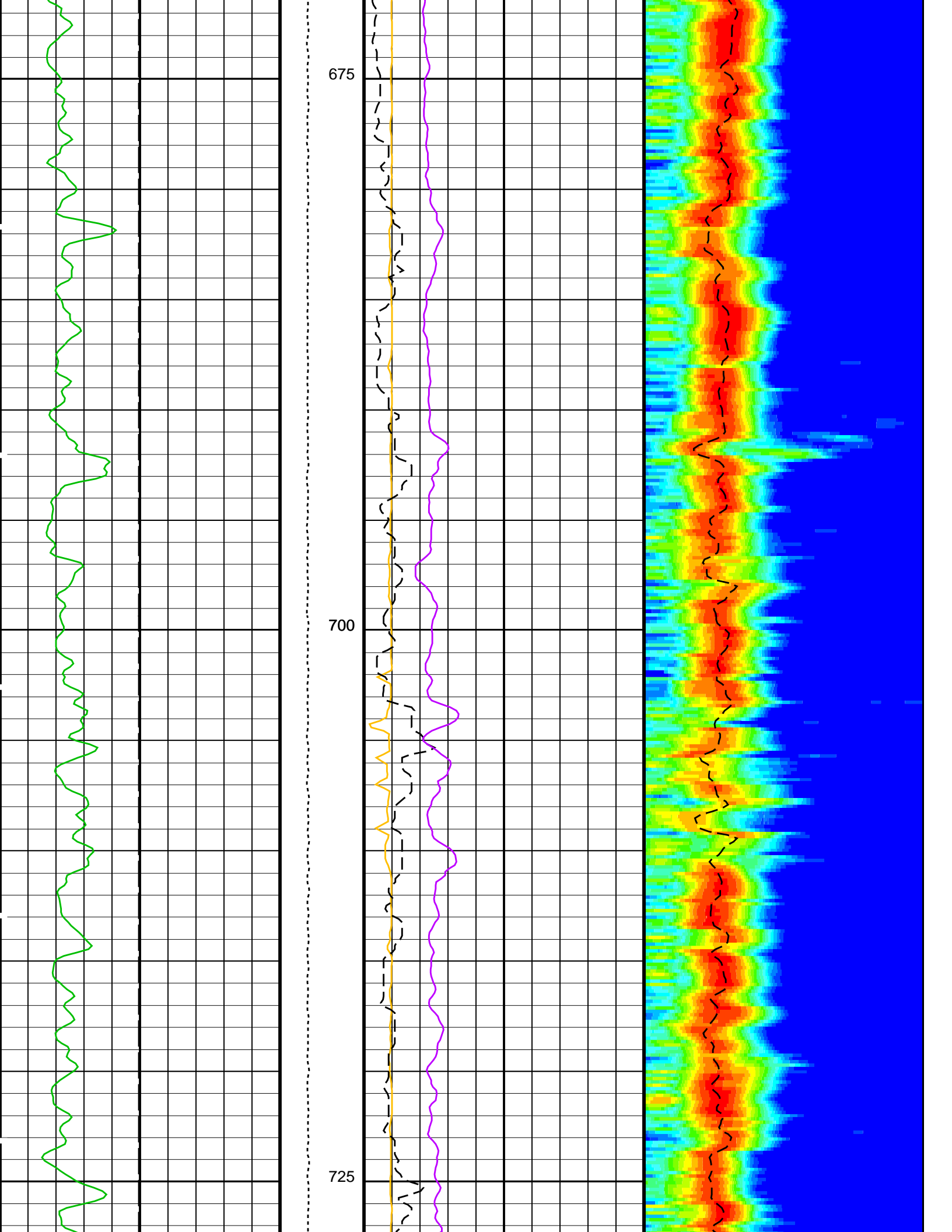


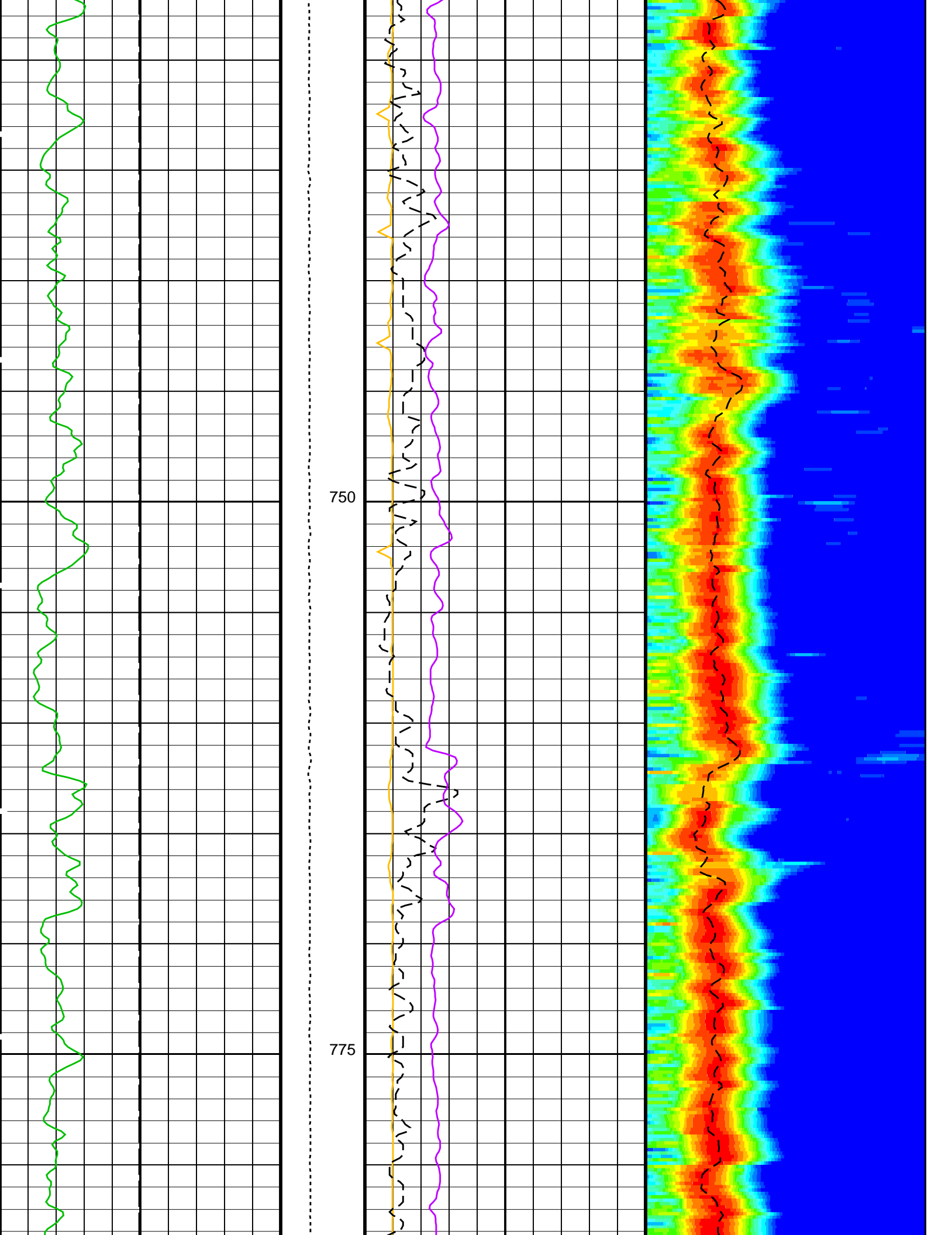


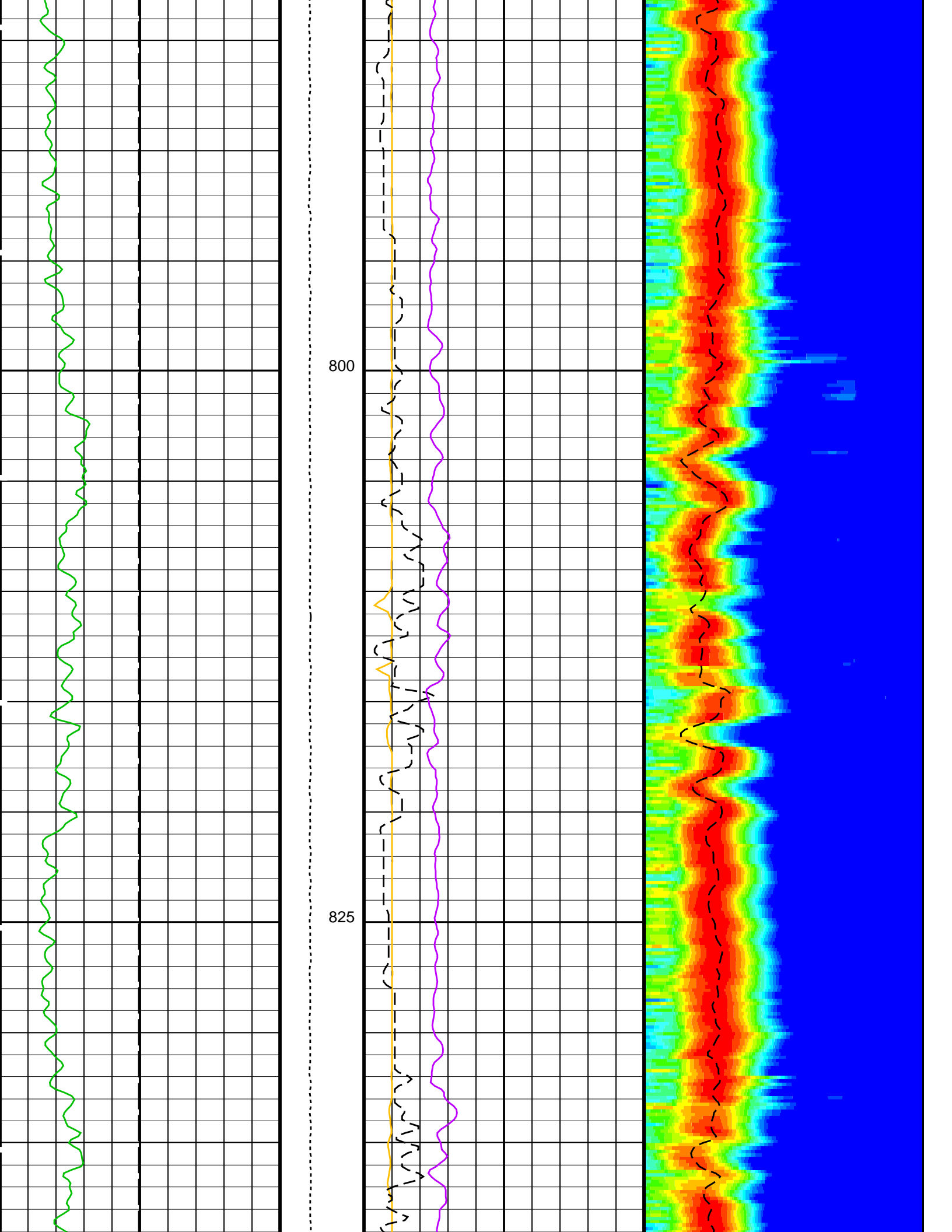


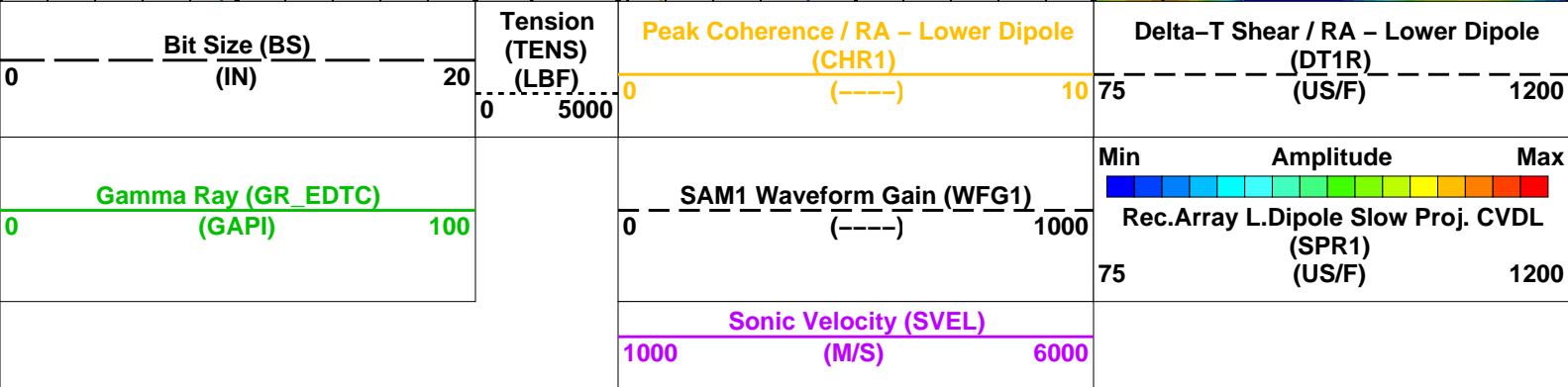
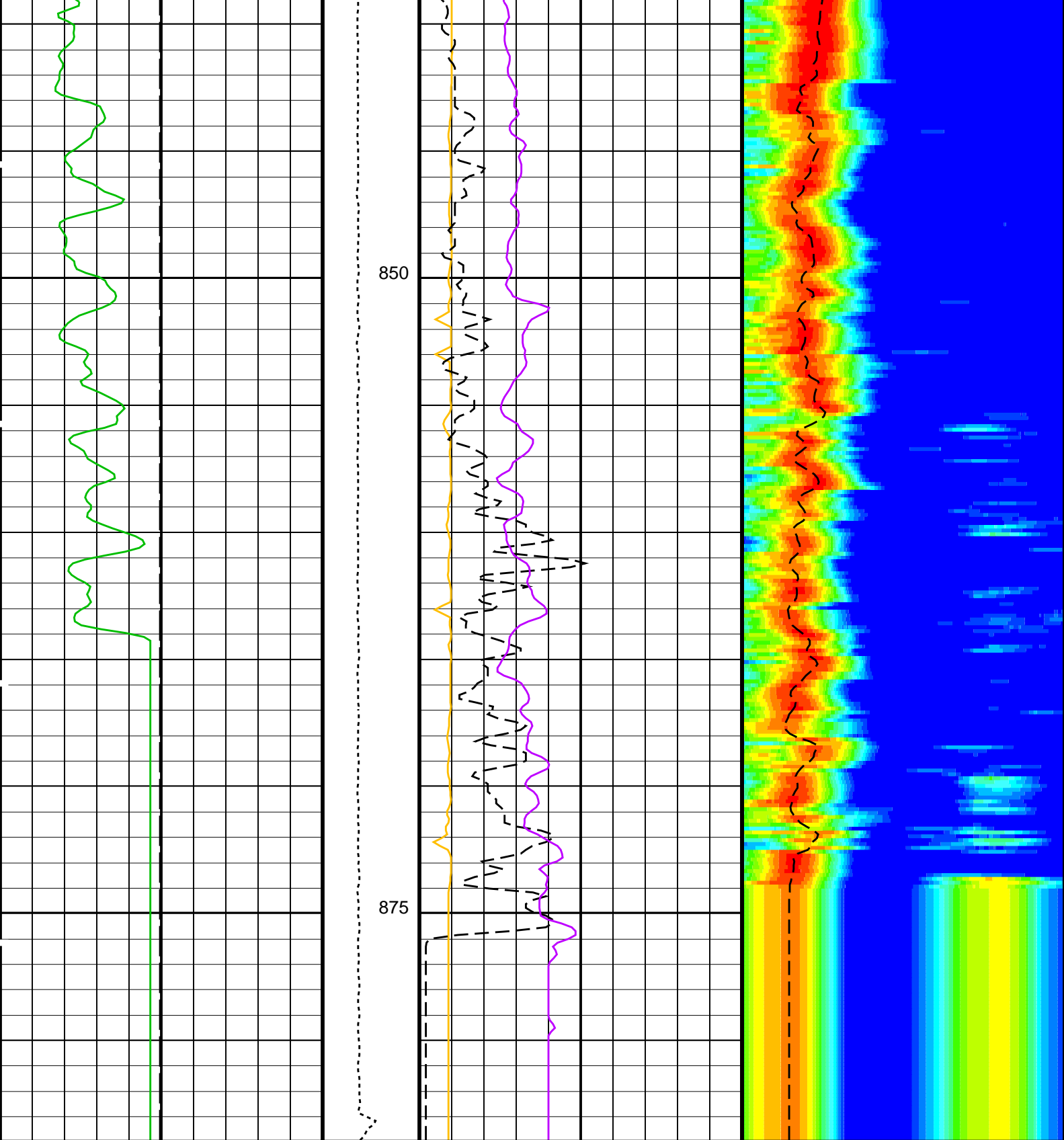












Time Mark Every 60 S

PIP SUMMARY

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	
SB01	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

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26–Nov–2015 12:30

OP System Version: 19C0–187

DSST-B	19C0–187	EDTC-B	SKK-5169-EDTCB
--------	----------	--------	----------------

Output DLIS Files

DEFAULT	DSI_018LUP	FN:23	PRODUCER	26–Nov–2015 12:30
RTB	DSI_018LUP	FN:24	PRODUCER	26–Nov–2015 12:30

Output DLIS Files

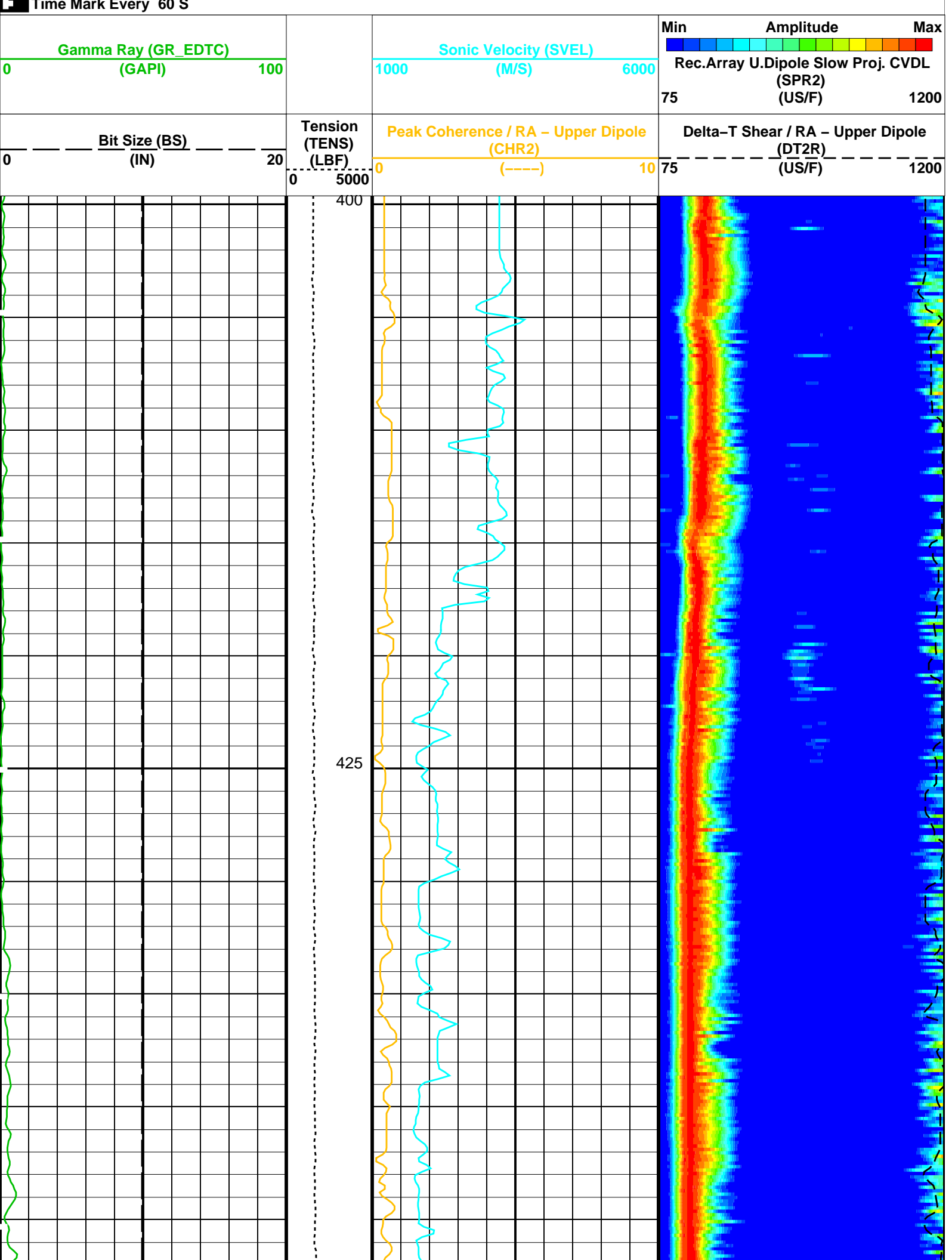
DEFAULT	DSI_018LUP	FN:23	PRODUCER	26–Nov–2015 12:30
RTB	DSI_018LUP	FN:24	PRODUCER	26–Nov–2015 12:30

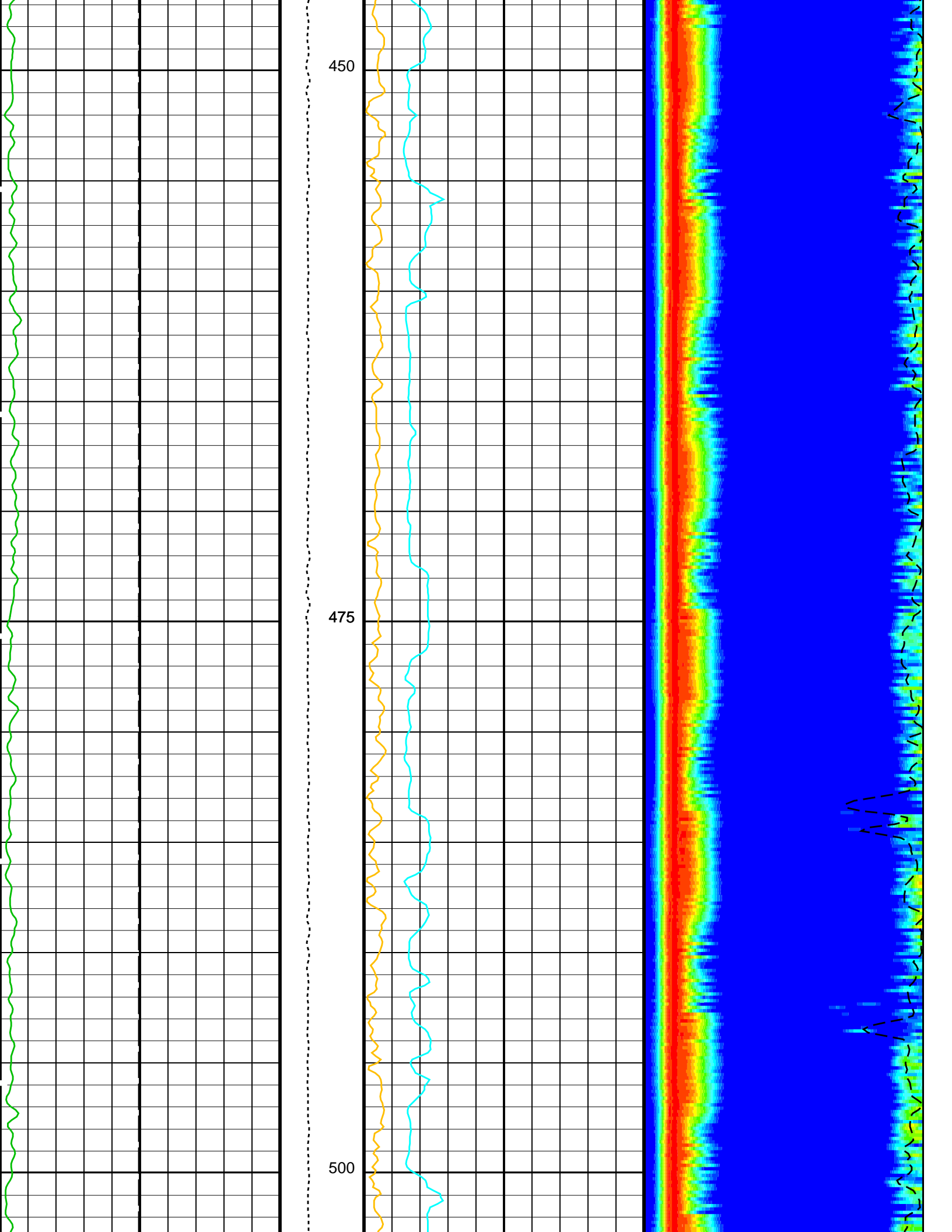
OP System Version: 19C0–187

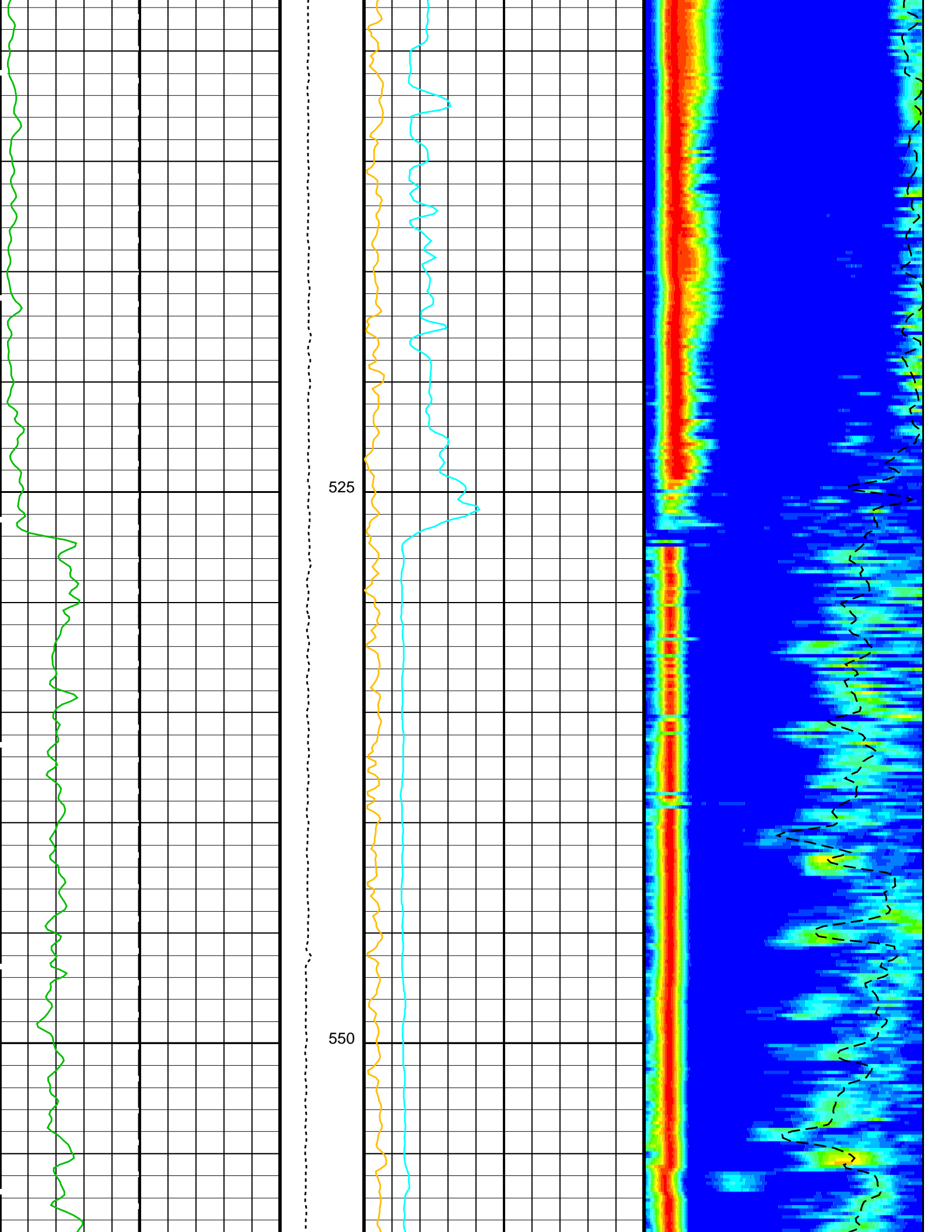
DSST-B	19C0–187	EDTC-B	SKK-5169-EDTCB
--------	----------	--------	----------------

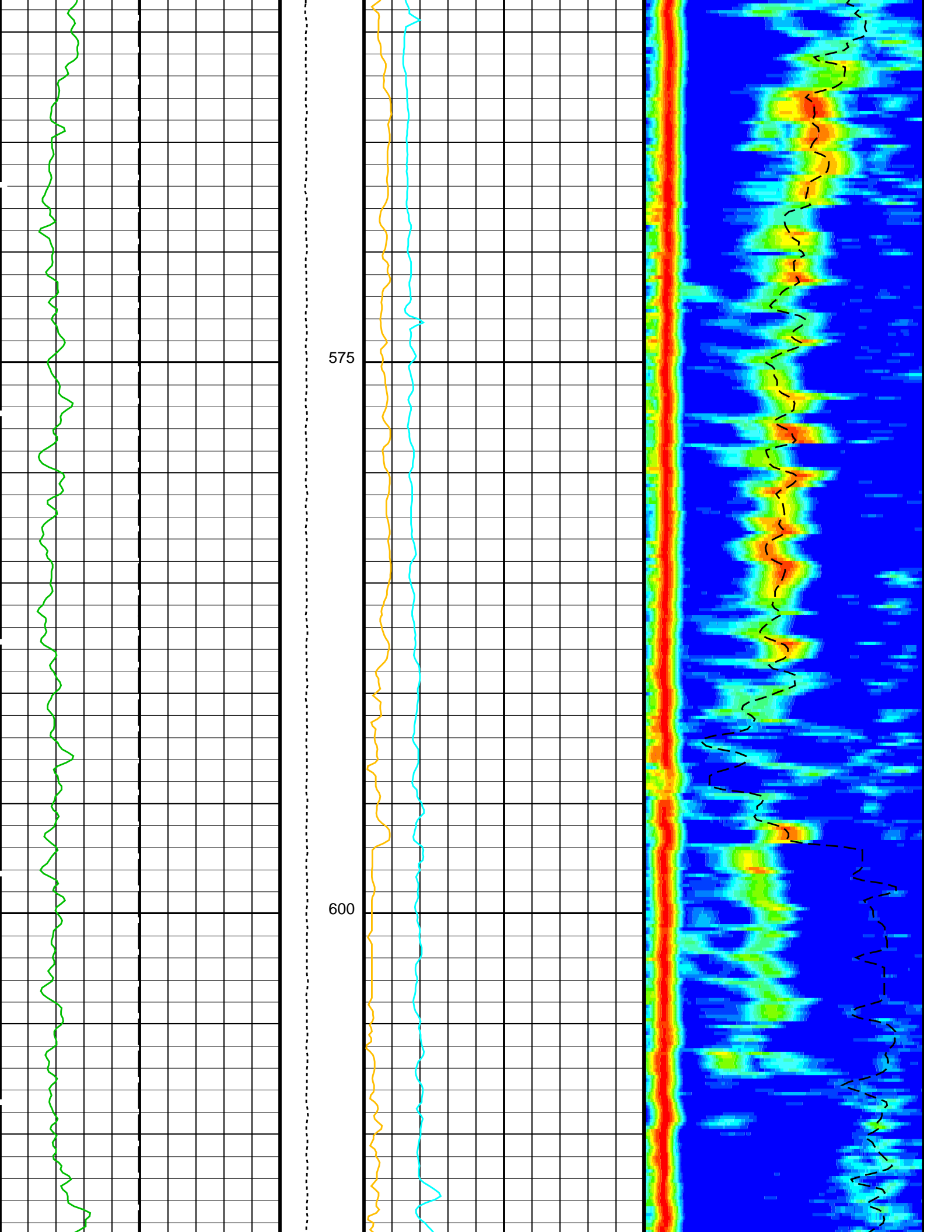
PIP SUMMARY

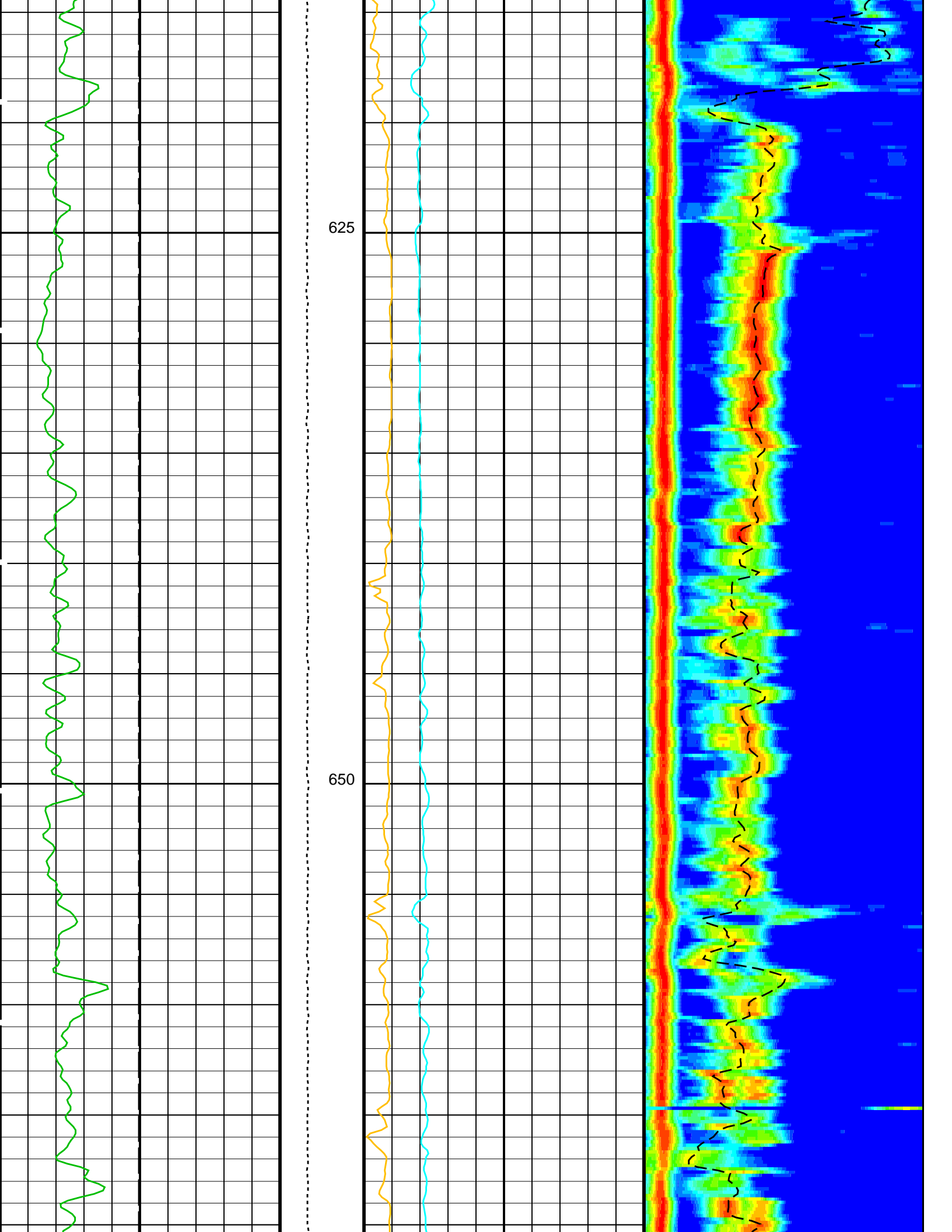
Time Mark Every 60 S

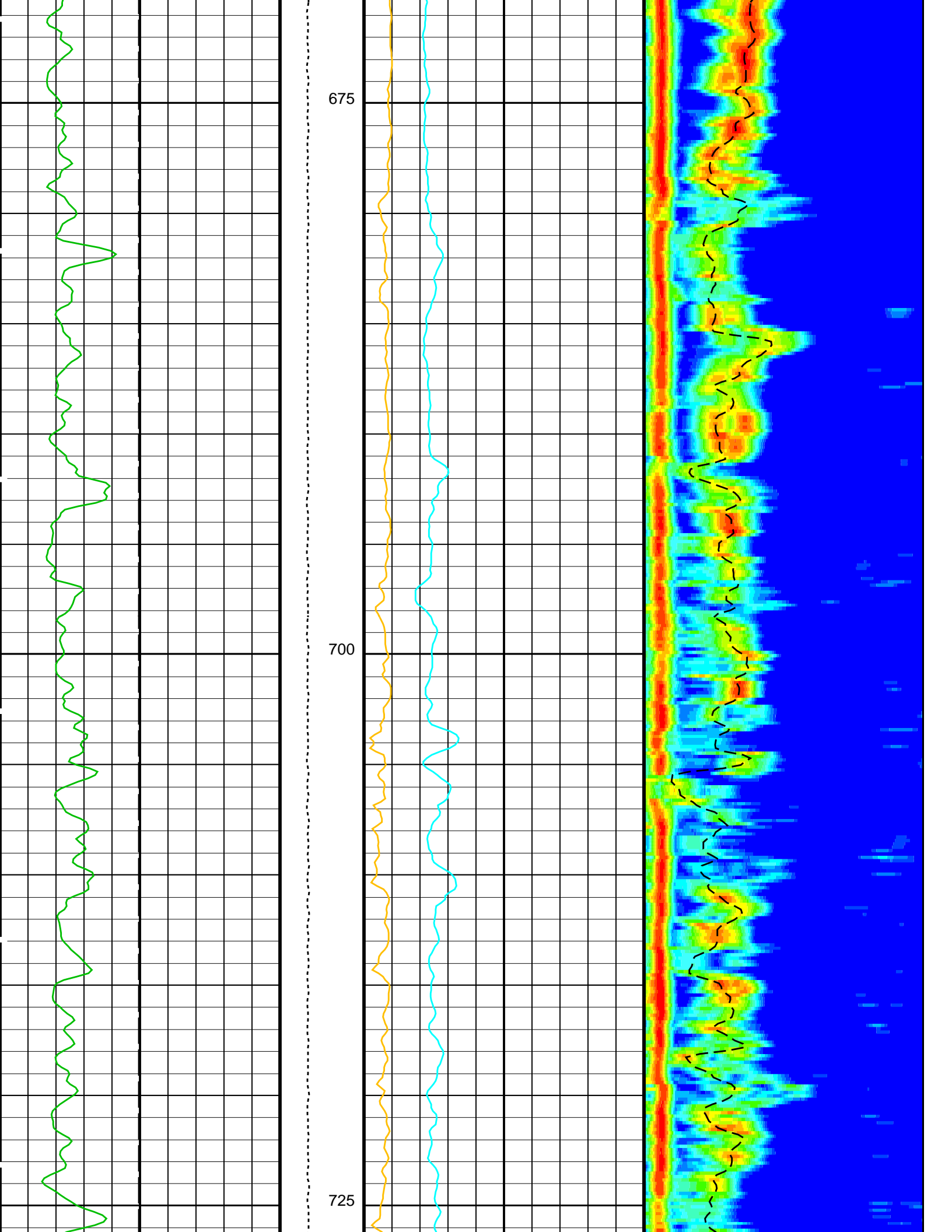


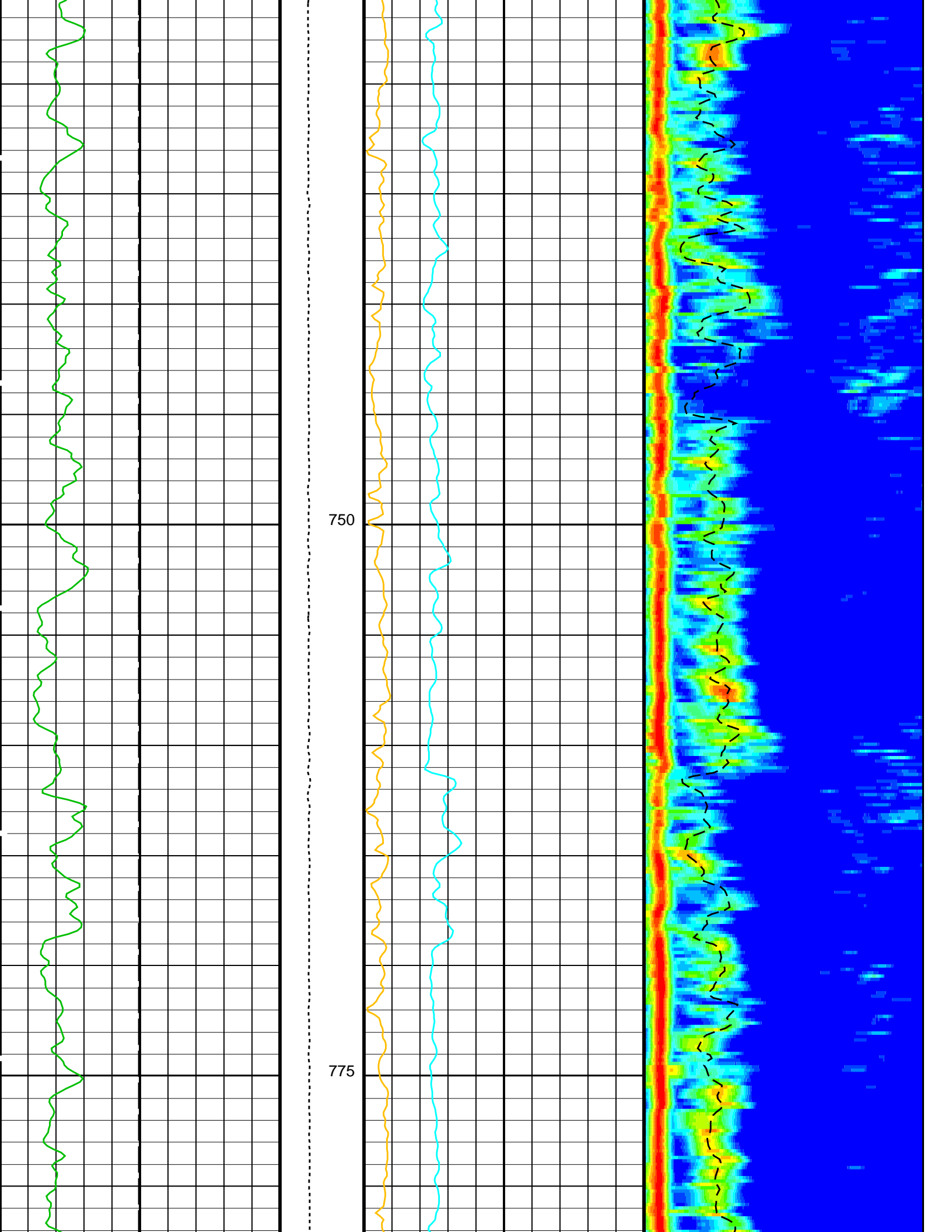


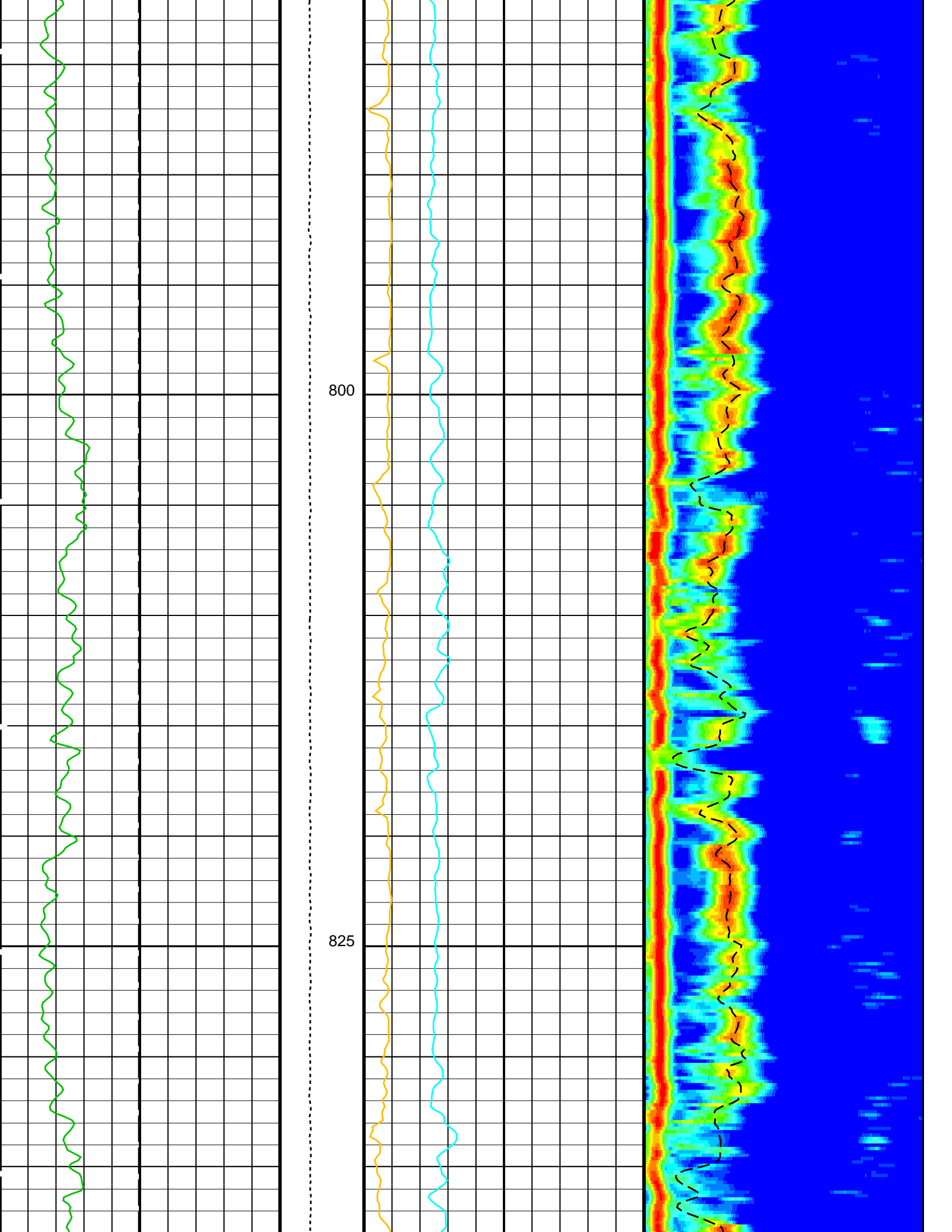


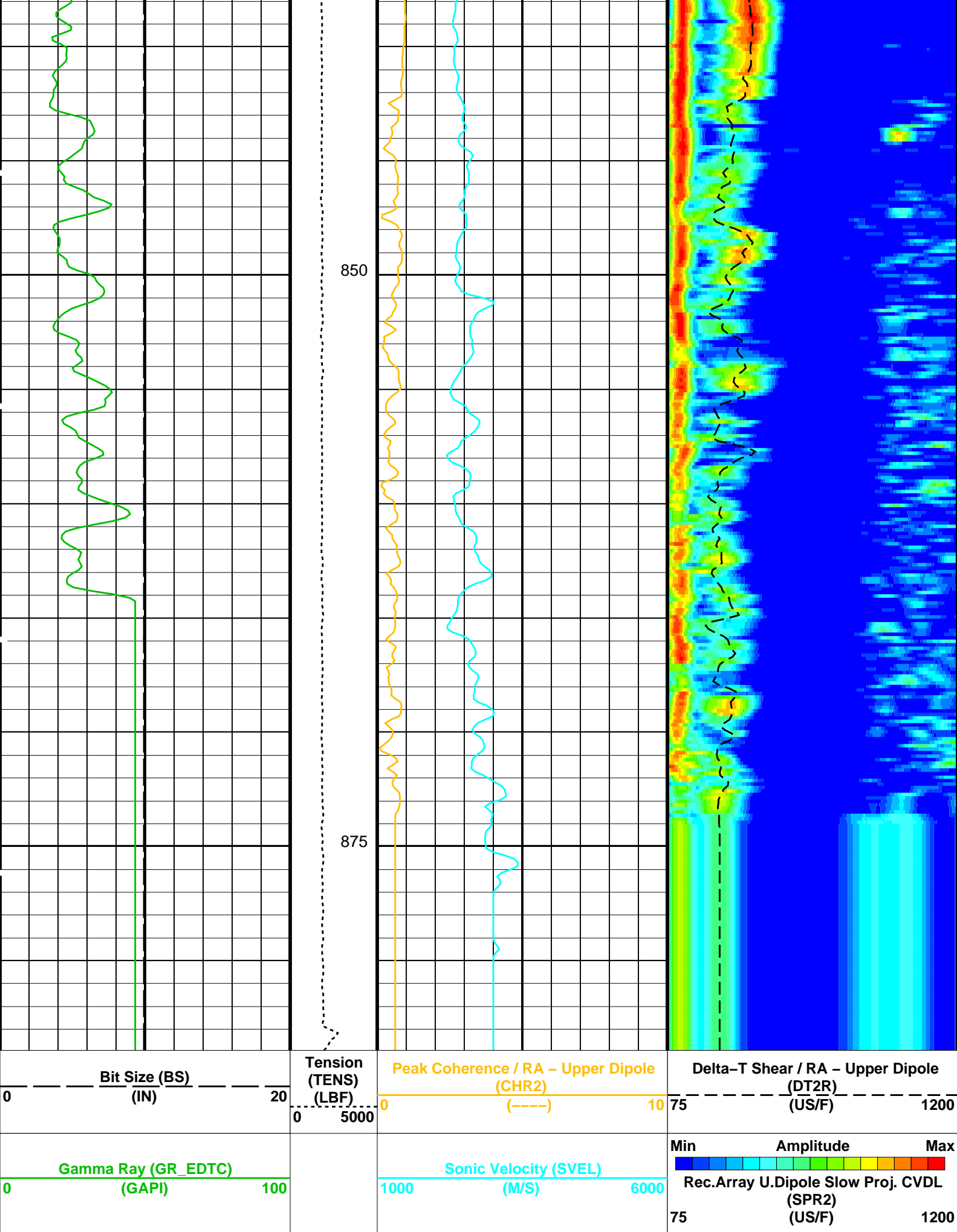












PIP SUMMARY

Parameters

DLIS Name	Description	Value
-----------	-------------	-------

DSST-B: Dipole Shear Imager – B

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	75 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1200 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC2	Digitizer Word Count 2	512
DWCX	Digitizer Word Count X	512
NWI2	Number Waveform Items 2	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS2	STC Sonic Array Status – Upper Dipole	255
SBO2	STC Search Band Offset – Upper Dipole	3000 US
SBW2	STC Search Bandwidth – Upper Dipole	8000 US
SFC2	STC Formation Character – Upper Dipole	SELECTABLE
SFM2	STC Filter – Upper Dipole	B1–3K
SLL2	STC Slowness Lower Limit – Upper Dipole	75 US/F
SST2	STC Slowness Step – Upper Dipole	4 US/F
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2
SUL2	STC Slowness Upper Limit – Upper Dipole	1200 US/F
SWD2	STC Slowness Width – Upper Dipole	40 US/F
TBF2	STC Time for Baseline Fill – Upper Dipole	0 US
TLL2	STC Time Lower Limit – Upper Dipole	600 US
TST2	STC Time Step – Upper Dipole	200 US
TUL2	STC Time Upper Limit – Upper Dipole	20200 US
TWD2	STC Time Width – Upper Dipole	2000 US
TWI2	STC Integration Time Window – Upper Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
UTXG	Upper Dipole Transmitter Geometry	162 IN

System and Miscellaneous

BS	Bit Size	9.875 IN
----	----------	----------

Format: DSST_UPPER_DIPOLE_VDL_COLOR	Vertical Scale: 1:200	Graphics File Created: 26-Nov-2015 12:30
-------------------------------------	-----------------------	--

OP System Version: 19C0–187

DSST-B	19C0–187	EDTC-B	SKK-5169-EDTCB
--------	----------	--------	----------------

Output DLIS Files

DEFAULT	DSI_018LUP	FN:23	PRODUCER	26-Nov-2015 12:30
RTB	DSI_018LUP	FN:24	PRODUCER	26-Nov-2015 12:30

Company: International Ocean Discovery Program	Well: Expedition 359, Site U1471E
--	-----------------------------------

Output DLIS Files

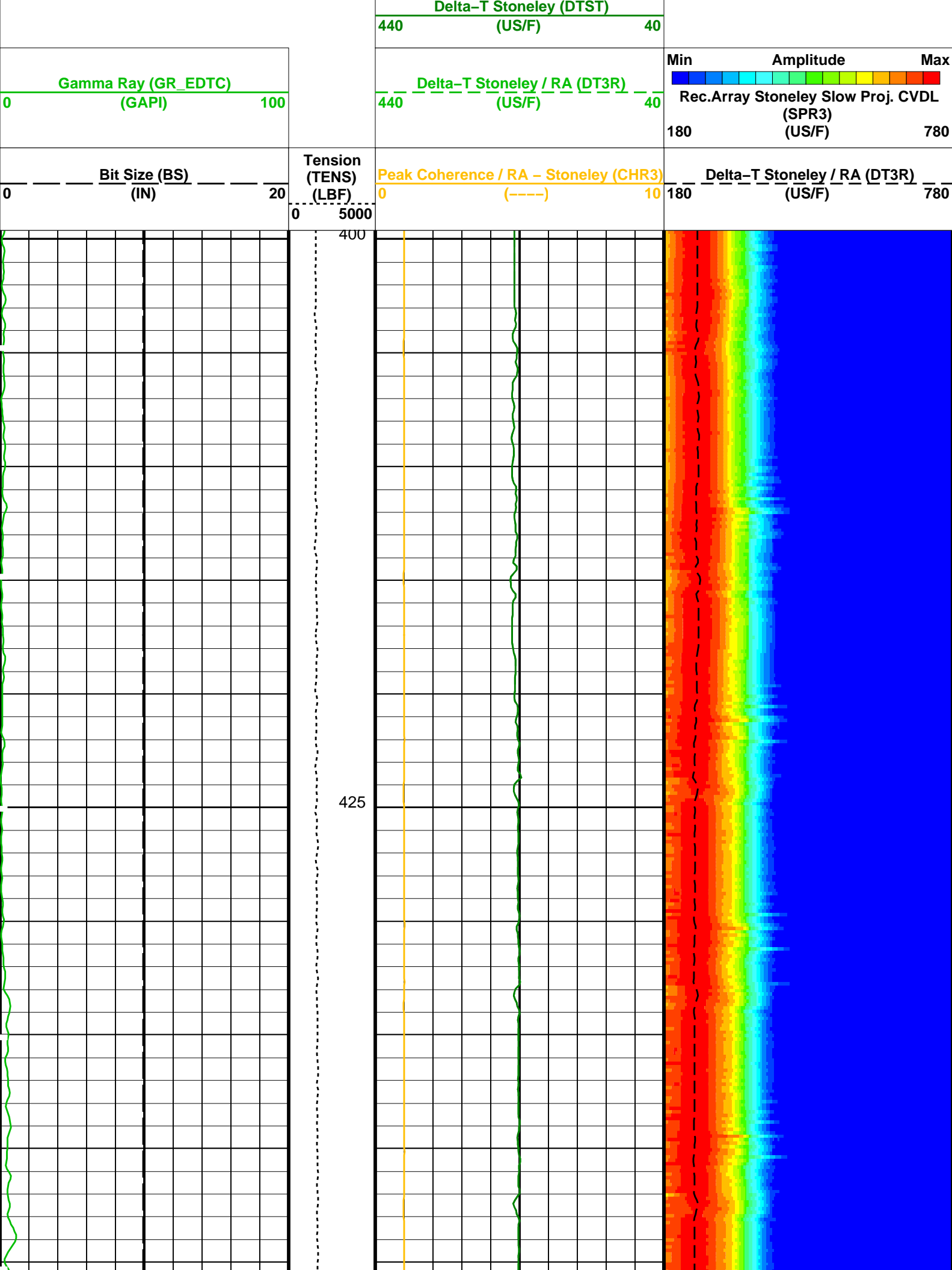
DEFAULT	DSI_018LUP	FN:23	PRODUCER	26-Nov-2015 12:30
RTB	DSI_018LUP	FN:24	PRODUCER	26-Nov-2015 12:30

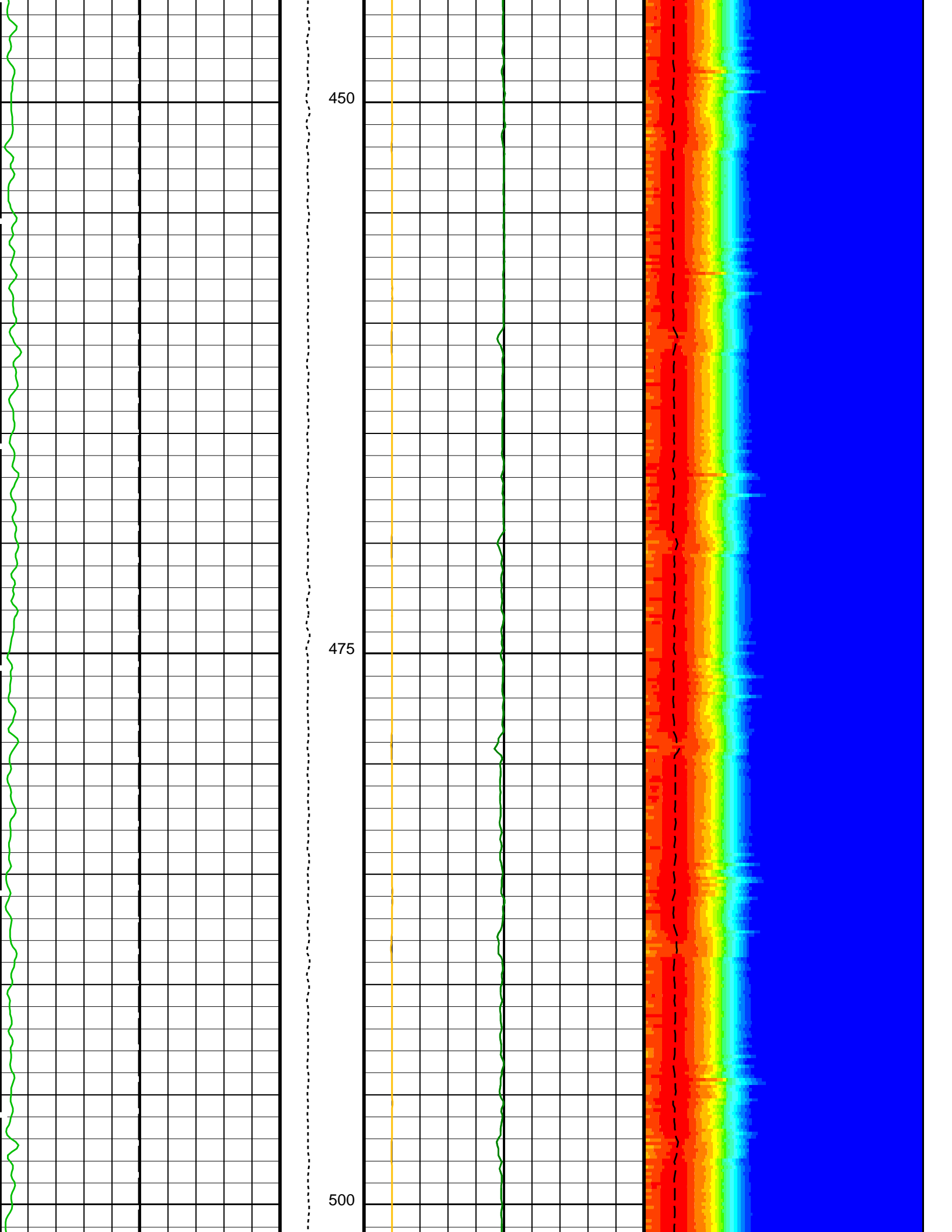
OP System Version: 19C0–187

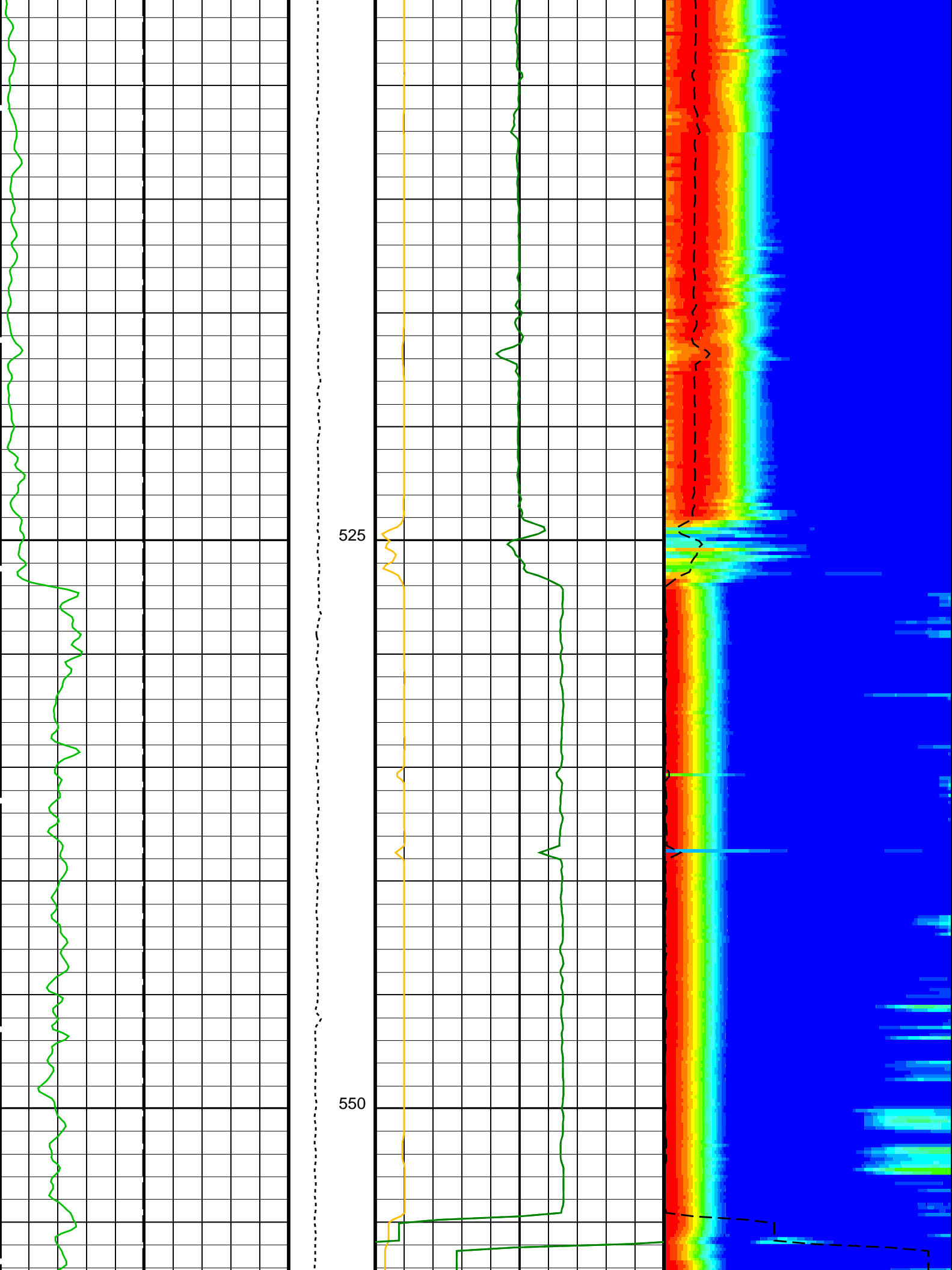
DSST-B	19C0–187	EDTC-B	SKK-5169-EDTCB
--------	----------	--------	----------------

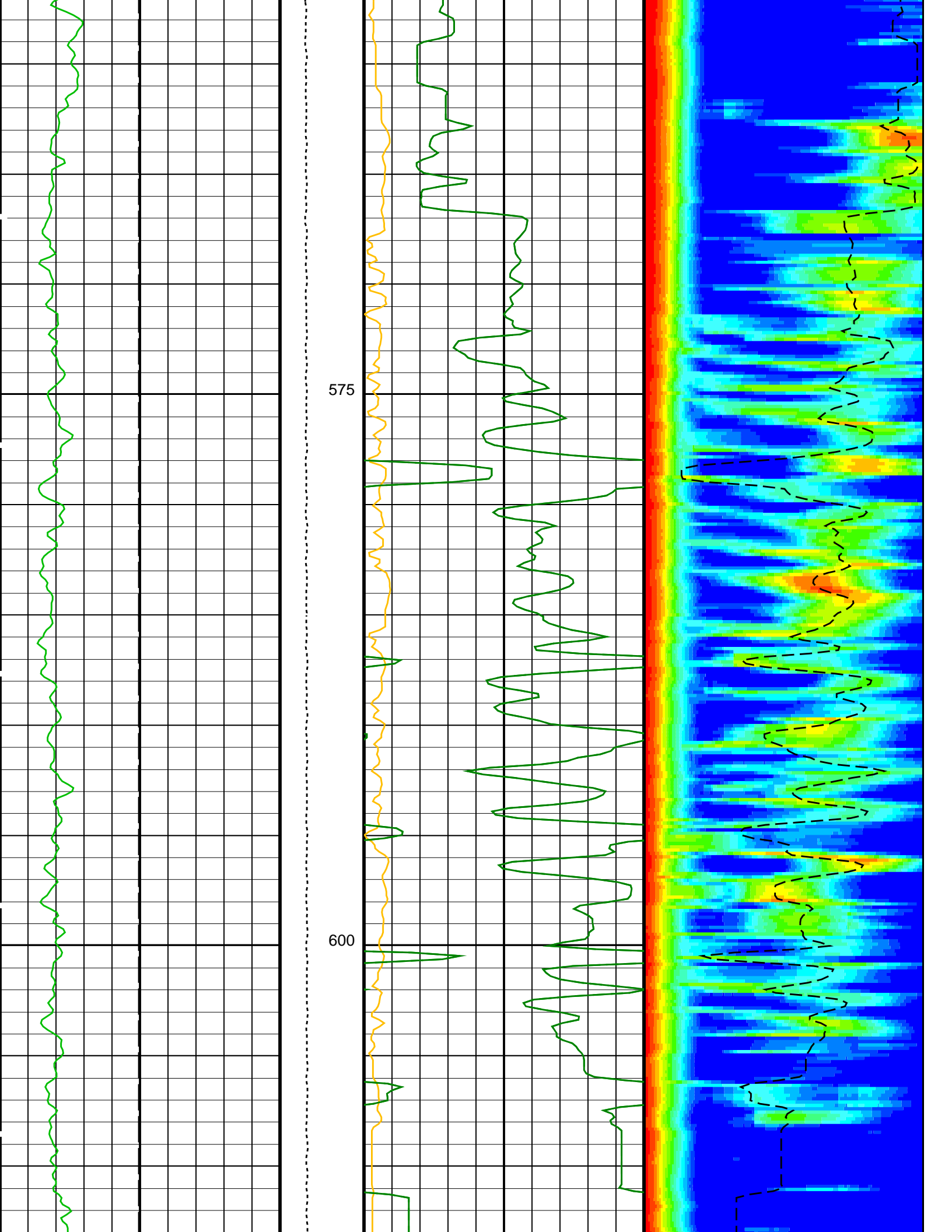
PIP SUMMARY

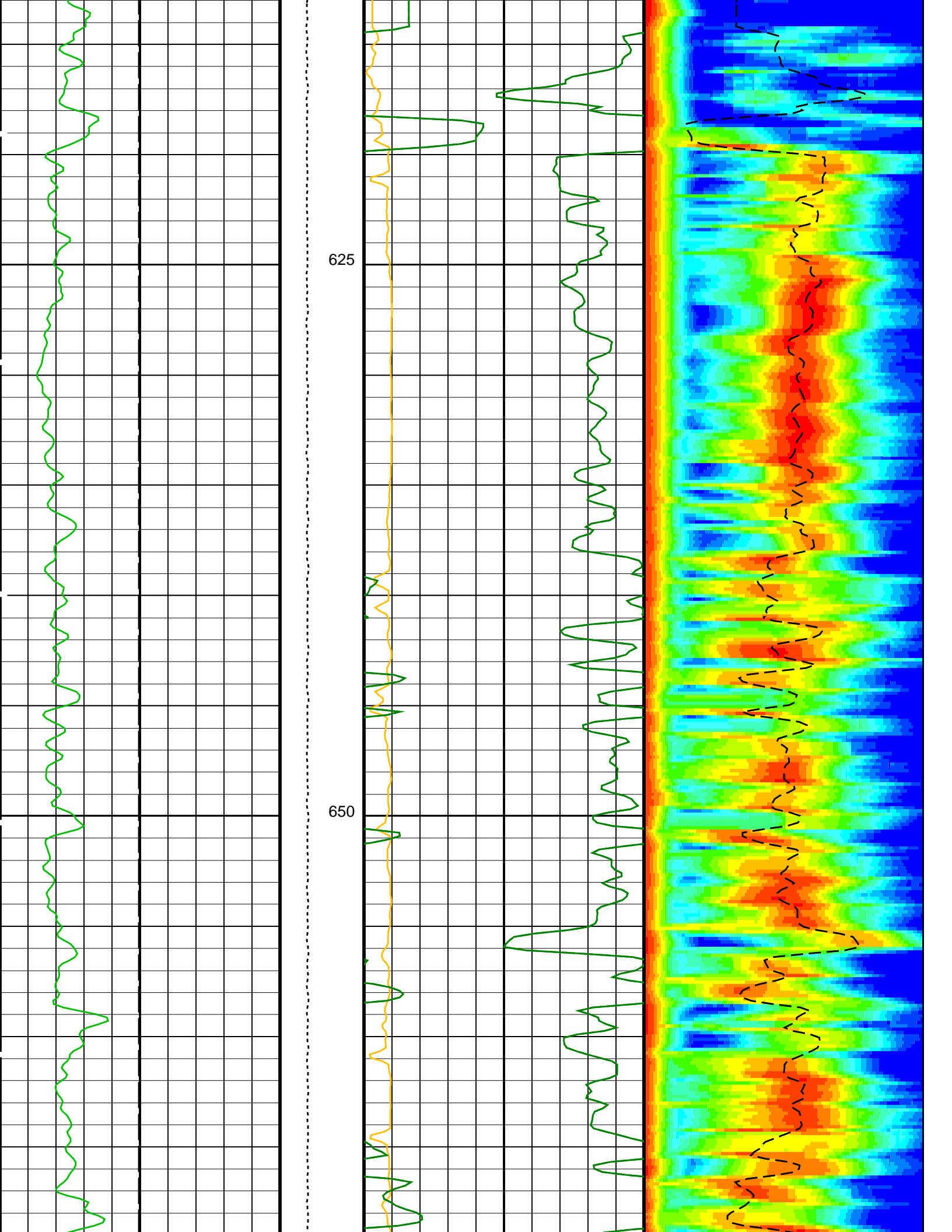
Time Mark Every 60 S

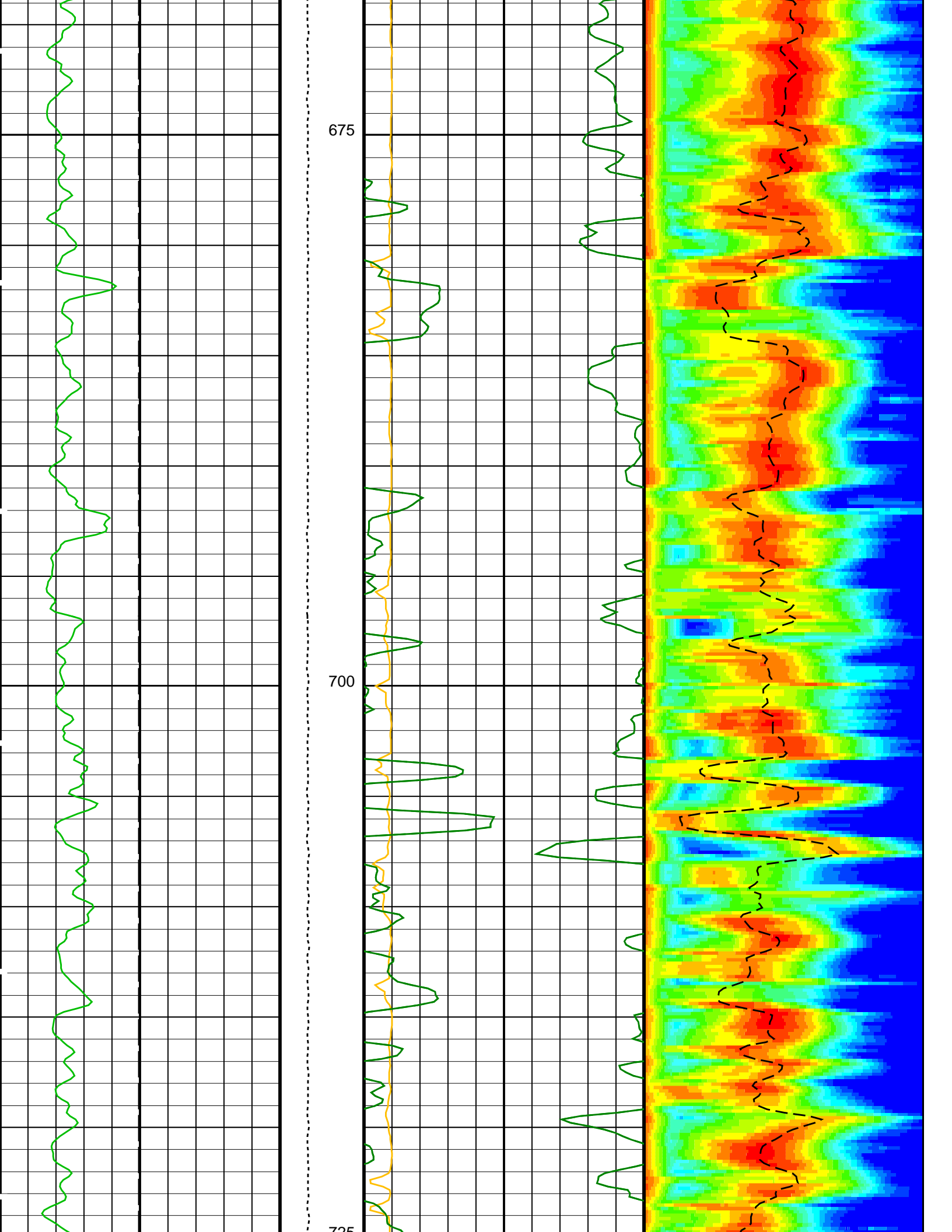


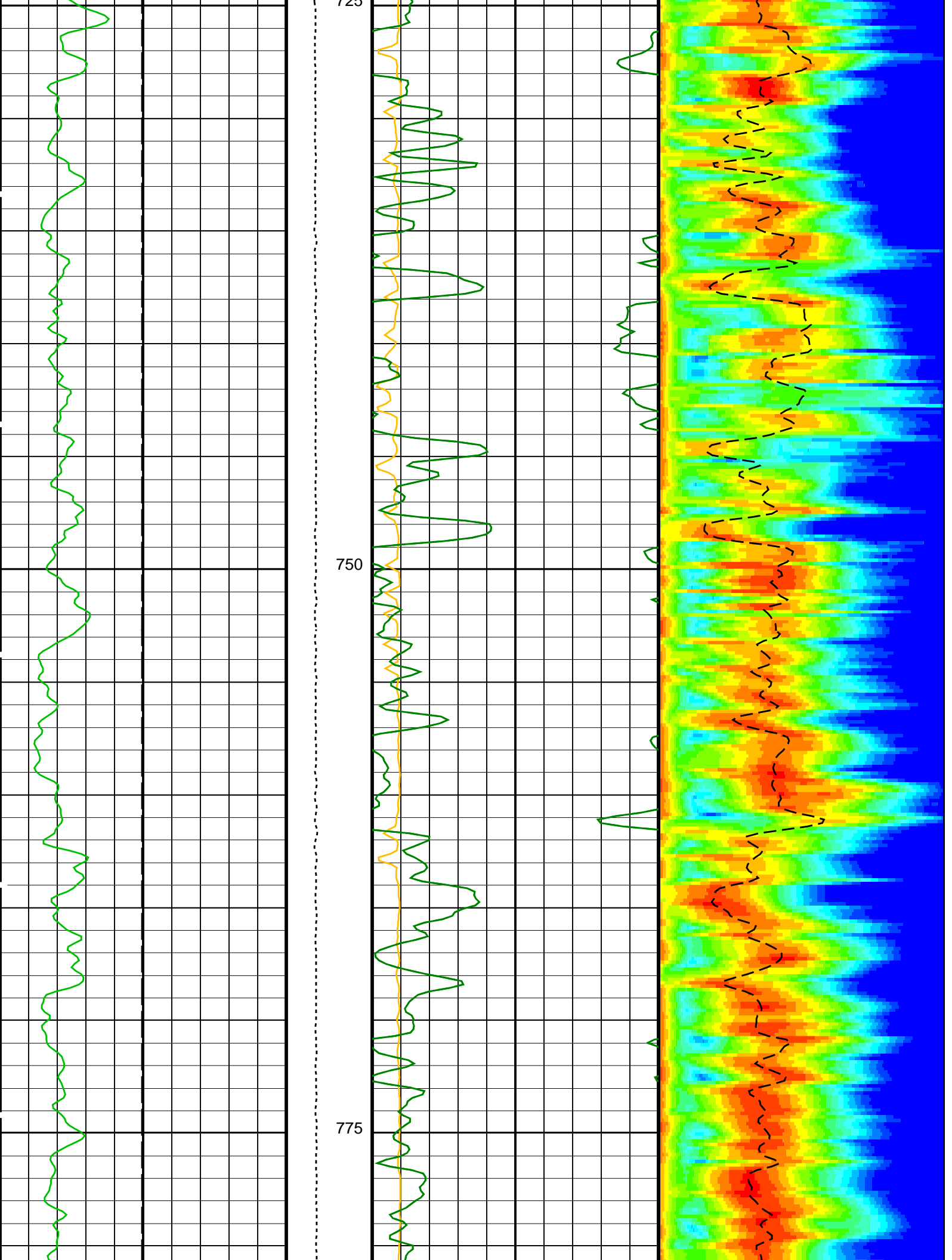


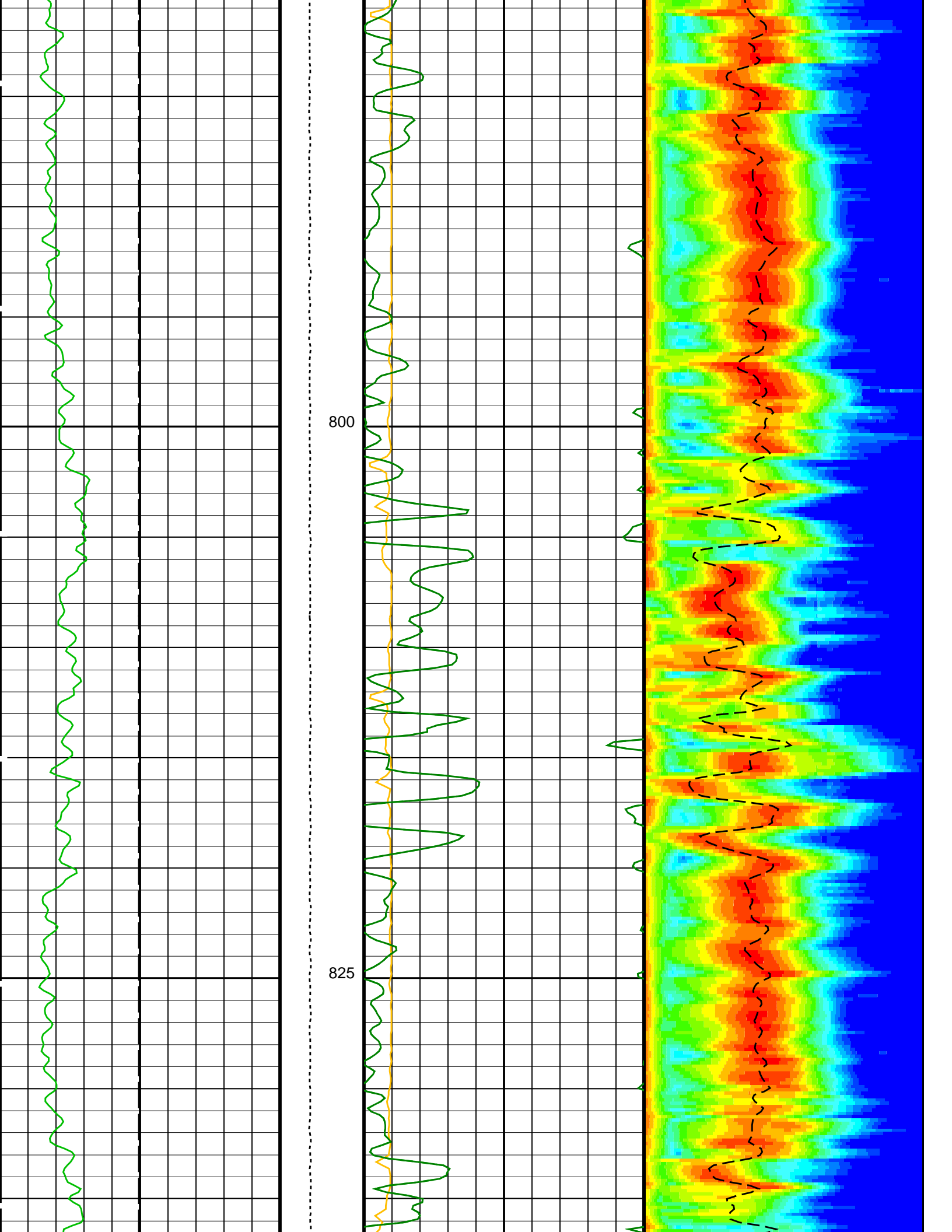


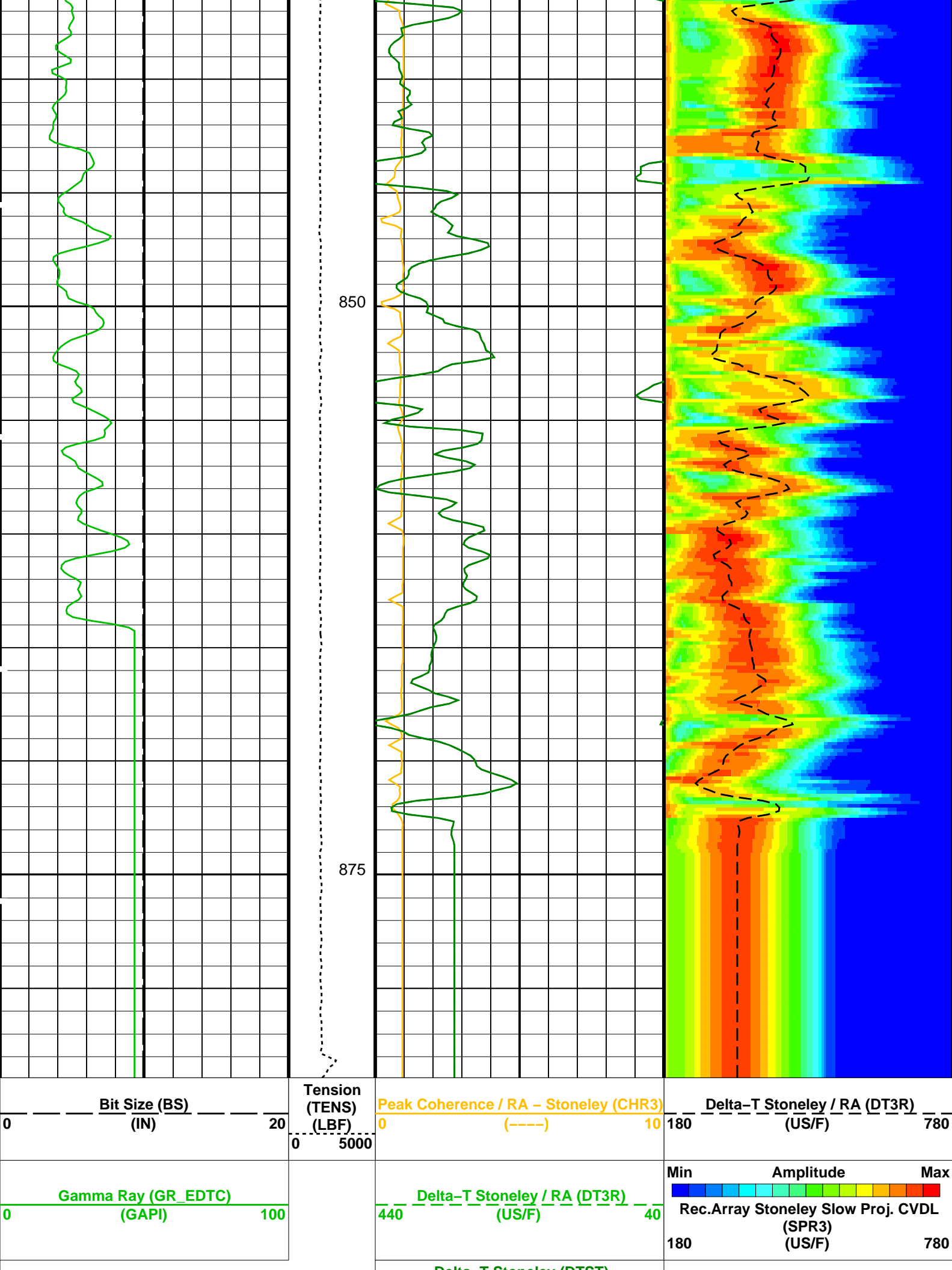












	Delta-T Stoneley (DTST)	440	(US/F)	40
--	-------------------------	-----	--------	----

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
DDE3	Digitizing Delay 3	0 US
DDEX	Digitizing Delay X	0 US
DSI3	Digitizer Sample Interval 3	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC3	Digitizer Word Count 3	512
DWCX	Digitizer Word Count X	512
MTXG	Monopole Transmitter Geometry	186 IN
NWI3	Number Waveform Items 3	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
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	ODD
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS3	STC Sonic Array Status – Monopole Stoneley	255
SBO3	STC Search Band Offset – Monopole Stoneley	2000 US
SBW3	STC Search Bandwidth – Monopole Stoneley	6000 US
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K
SLL3	STC Slowness Lower Limit – Monopole Stoneley	180 US/F
SST3	STC Slowness Step – Monopole Stoneley	4 US/F
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3
STLL	Label Slowness Lower Limit – Monopole Stoneley	180 US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780 US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780 US/F
SWD3	STC Slowness Width – Monopole Stoneley	40 US/F
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0 US
TLL3	STC Time Lower Limit – Monopole Stoneley	620 US
TST3	STC Time Step – Monopole Stoneley	200 US
TUL3	STC Time Upper Limit – Monopole Stoneley	12020 US
TWD3	STC Time Width – Monopole Stoneley	2000 US
TWI3	STC Integration Time Window – Monopole Stoneley	1600 US
TWSX	Transmitter Waveform Select X	0
System and Miscellaneous		
BS	Bit Size	9.875 IN

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26–Nov–2015 12:30

OP System Version: 19C0–187

DSST–B 19C0–187 EDTC–B SKK–5169–EDTCB

Output DLIS Files

DEFAULT	DSI_018LUP	FN:23	PRODUCER	26–Nov–2015 12:30
RTB	DSI_018LUP	FN:24	PRODUCER	26–Nov–2015 12:30

Company: International Ocean Discovery Program Well: Expedition 359, Site U1471E

Output DLIS Files

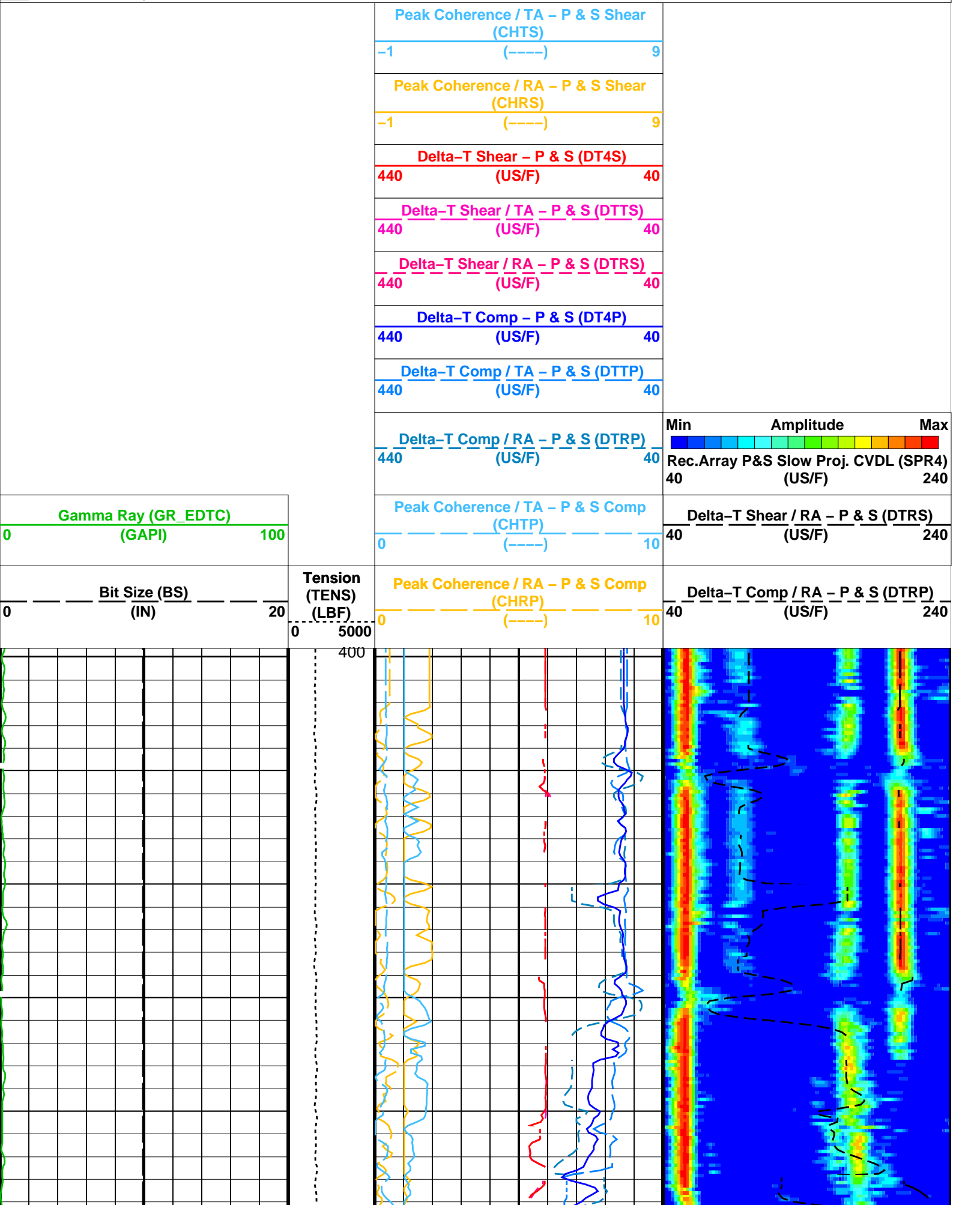
DEFAULT	DSI_018LUP	FN:23	PRODUCER	26–Nov–2015 12:30
RTB	DSI_018LUP	FN:24	PRODUCER	26–Nov–2015 12:30

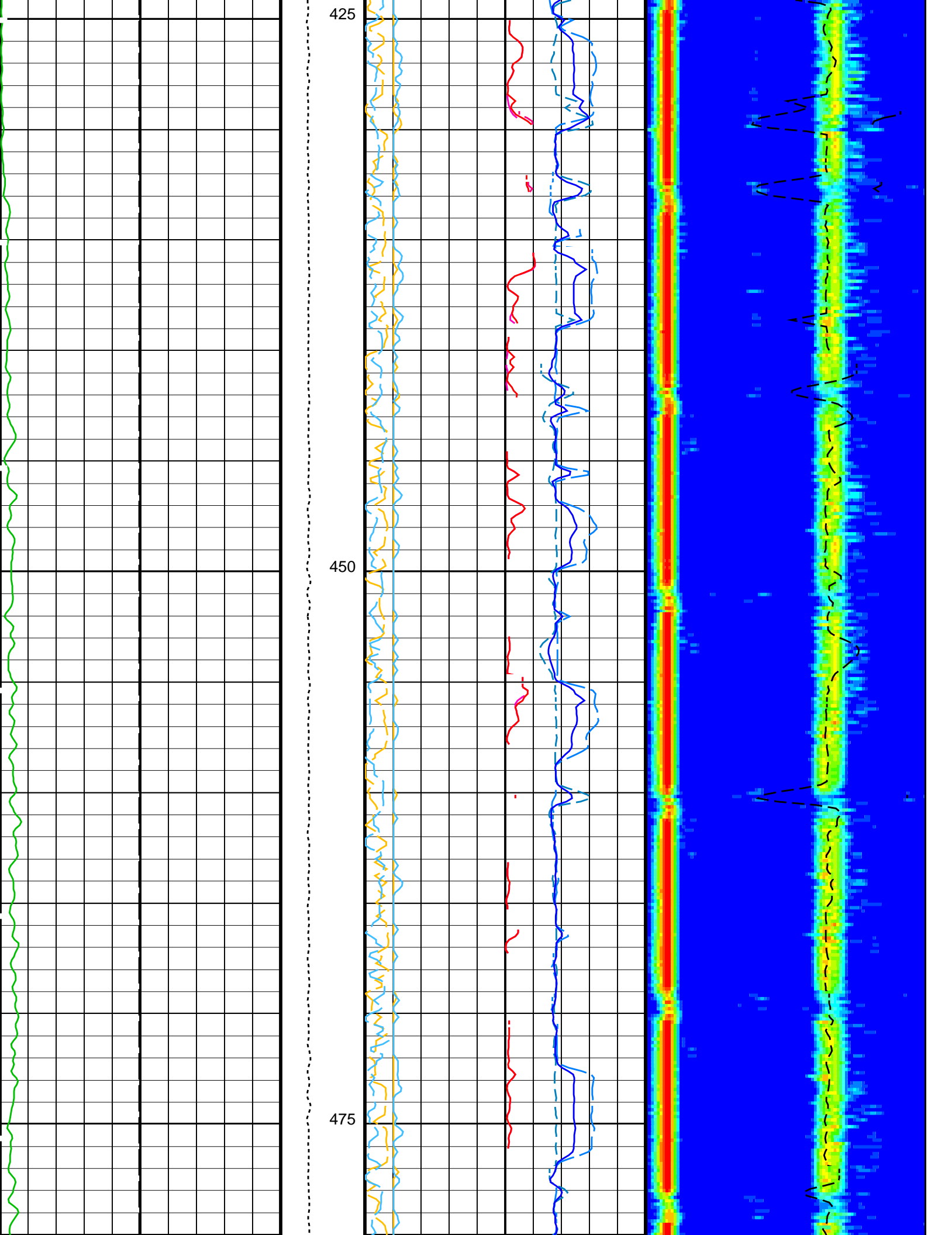
OP System Version: 19C0–187

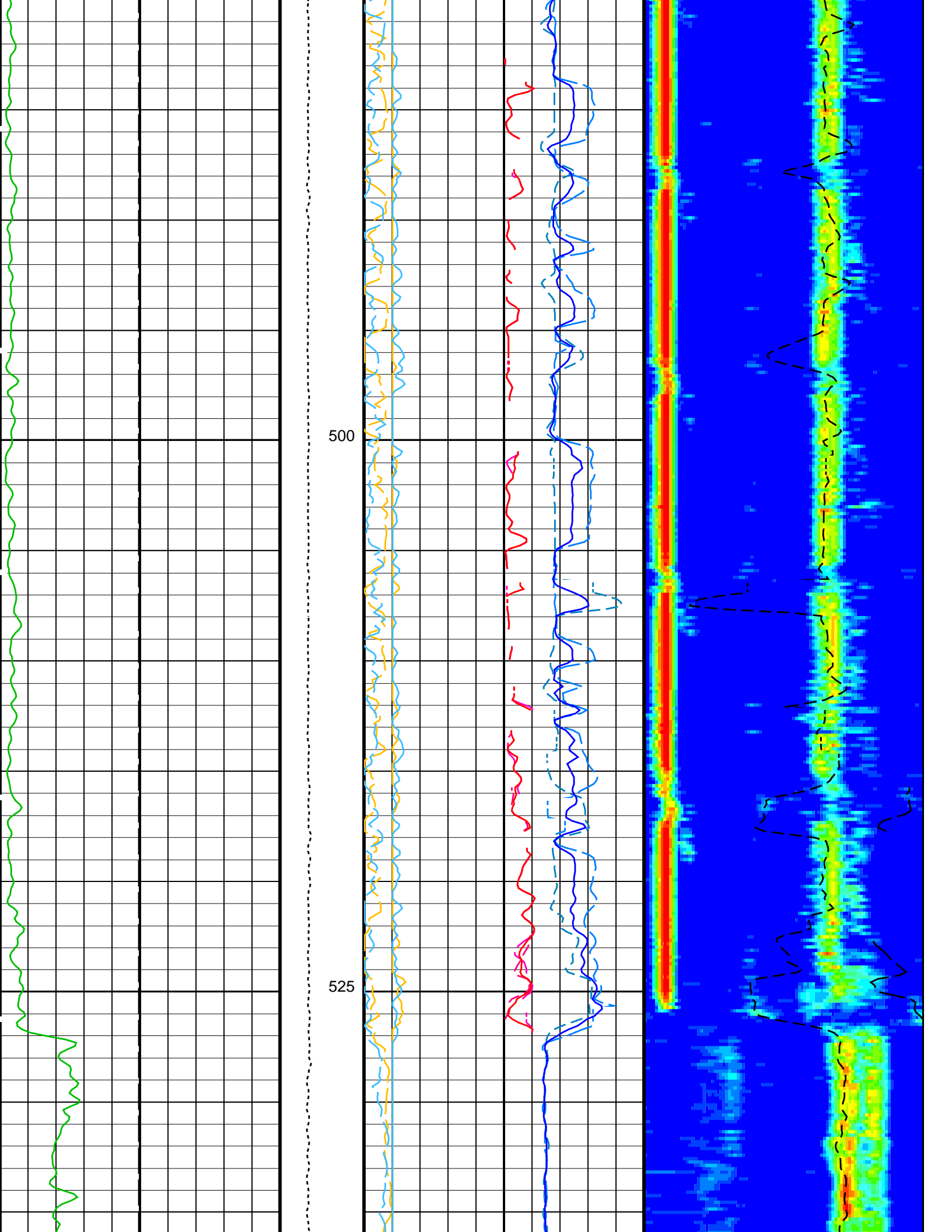
DSST–B 19C0–187 EDTC–B SKK–5169–EDTCB

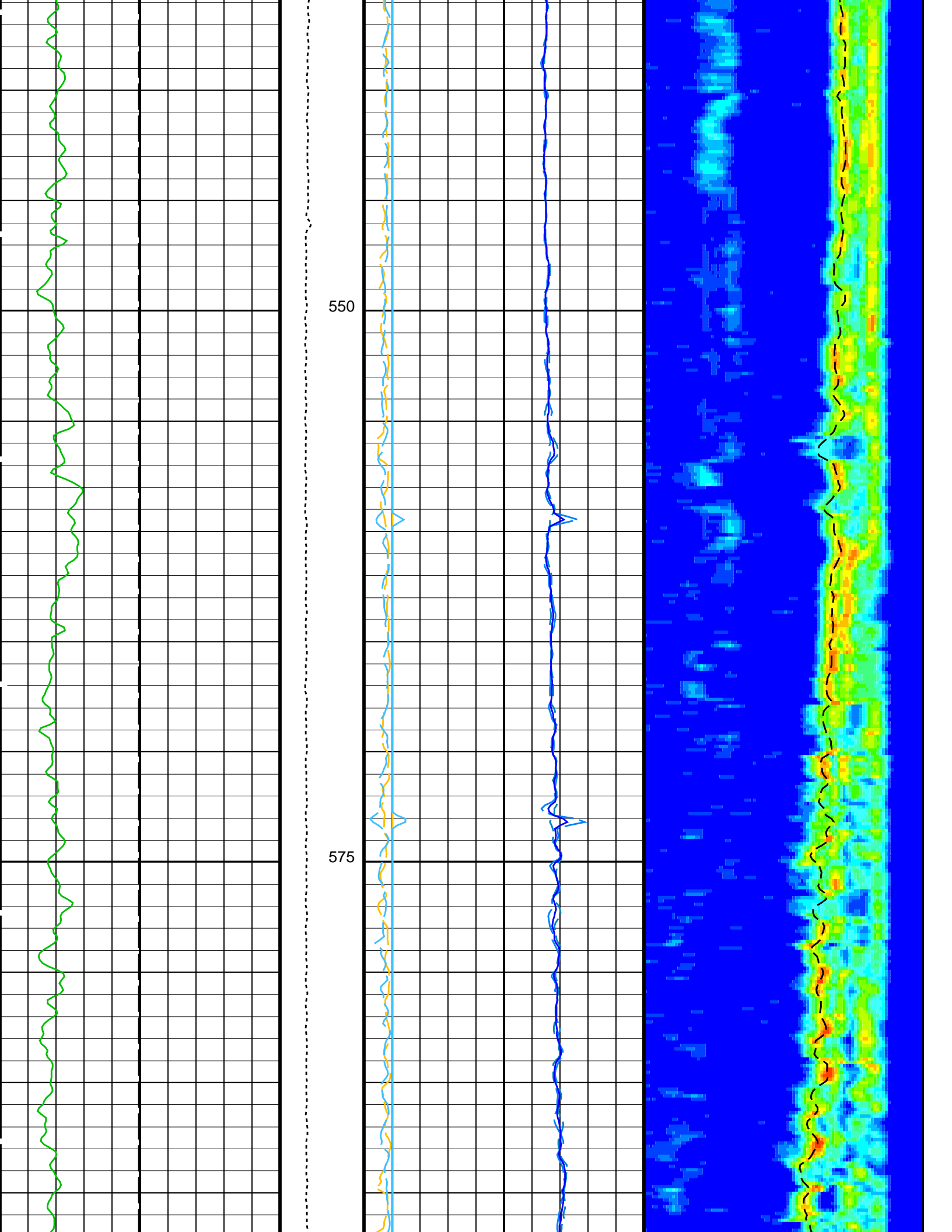
PIP SUMMARY

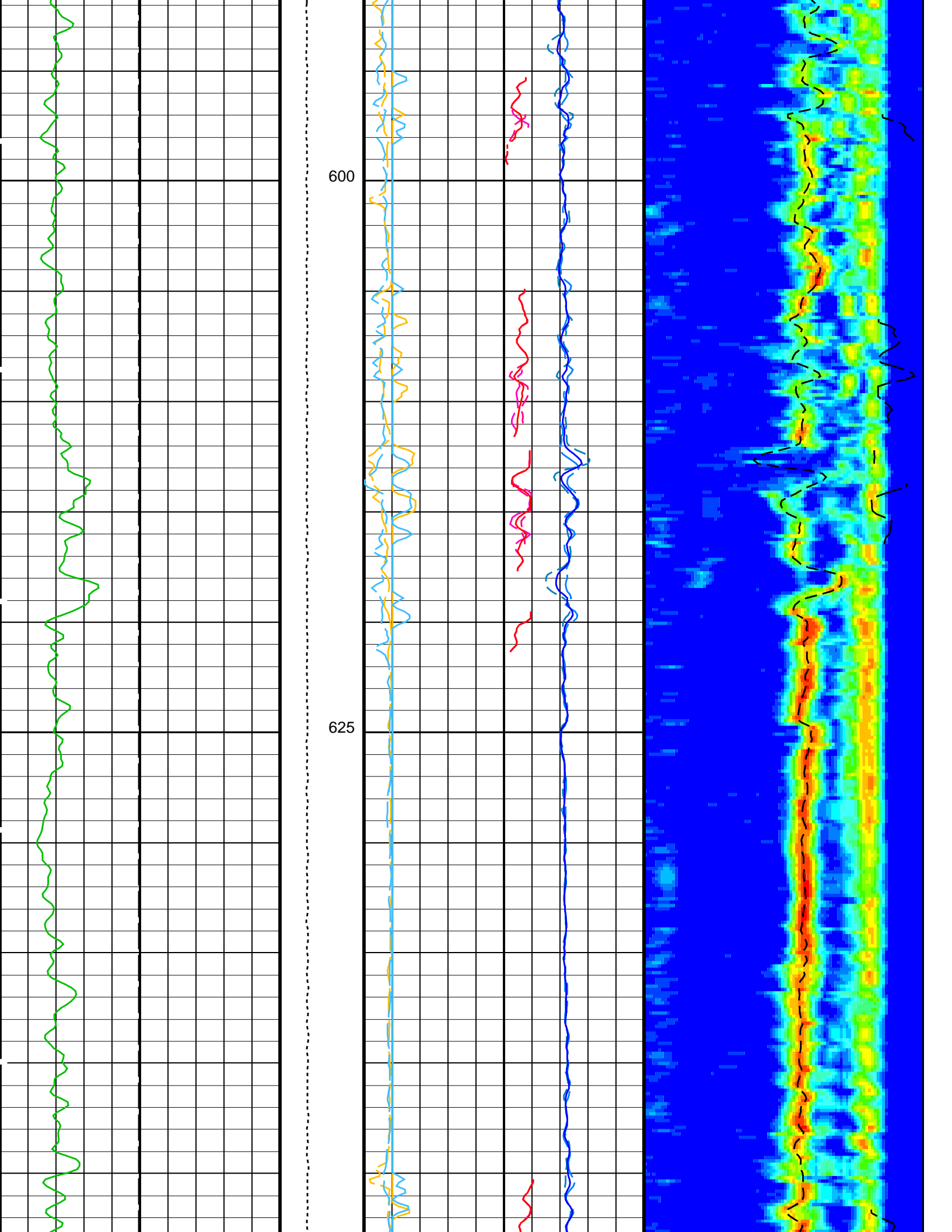
Time Mark Every 60 S

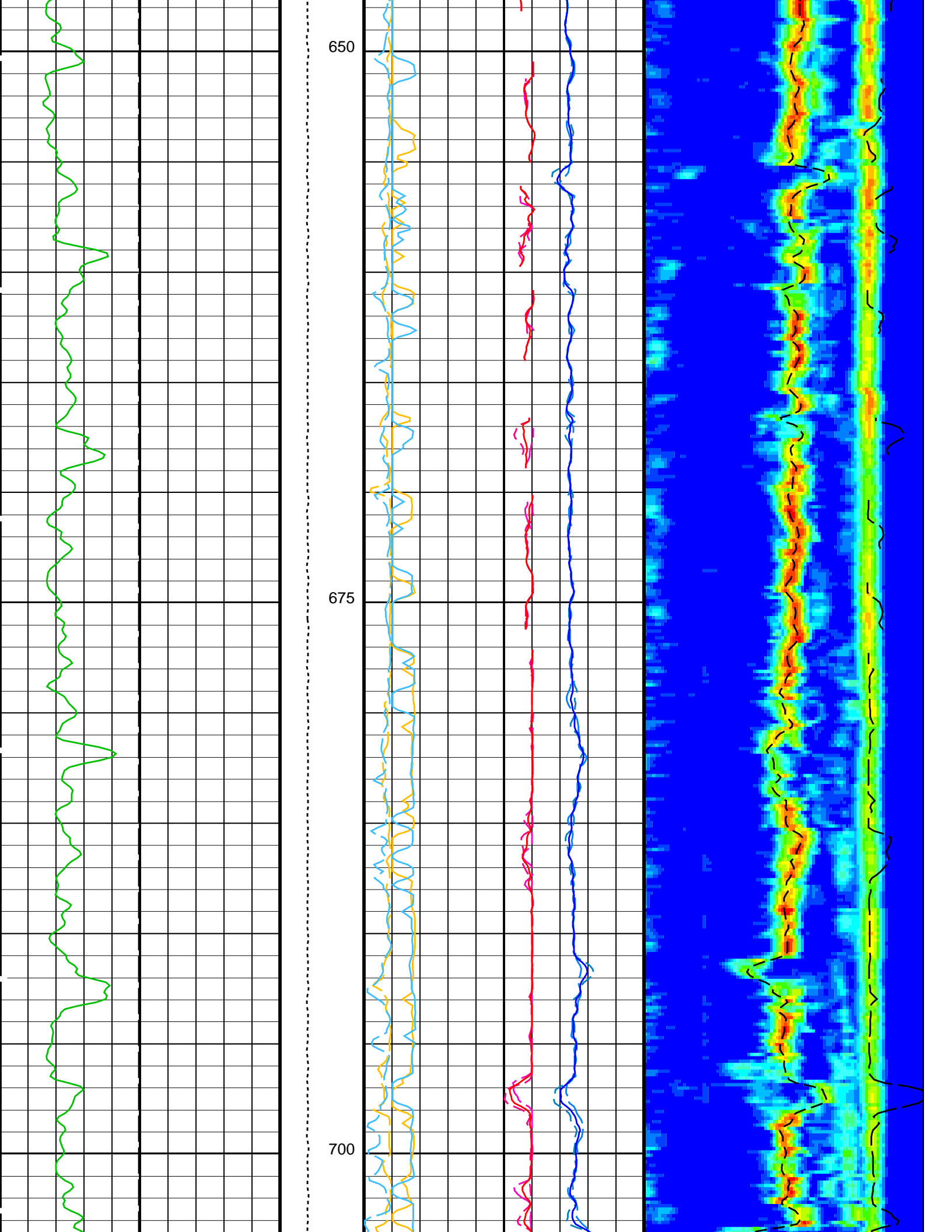


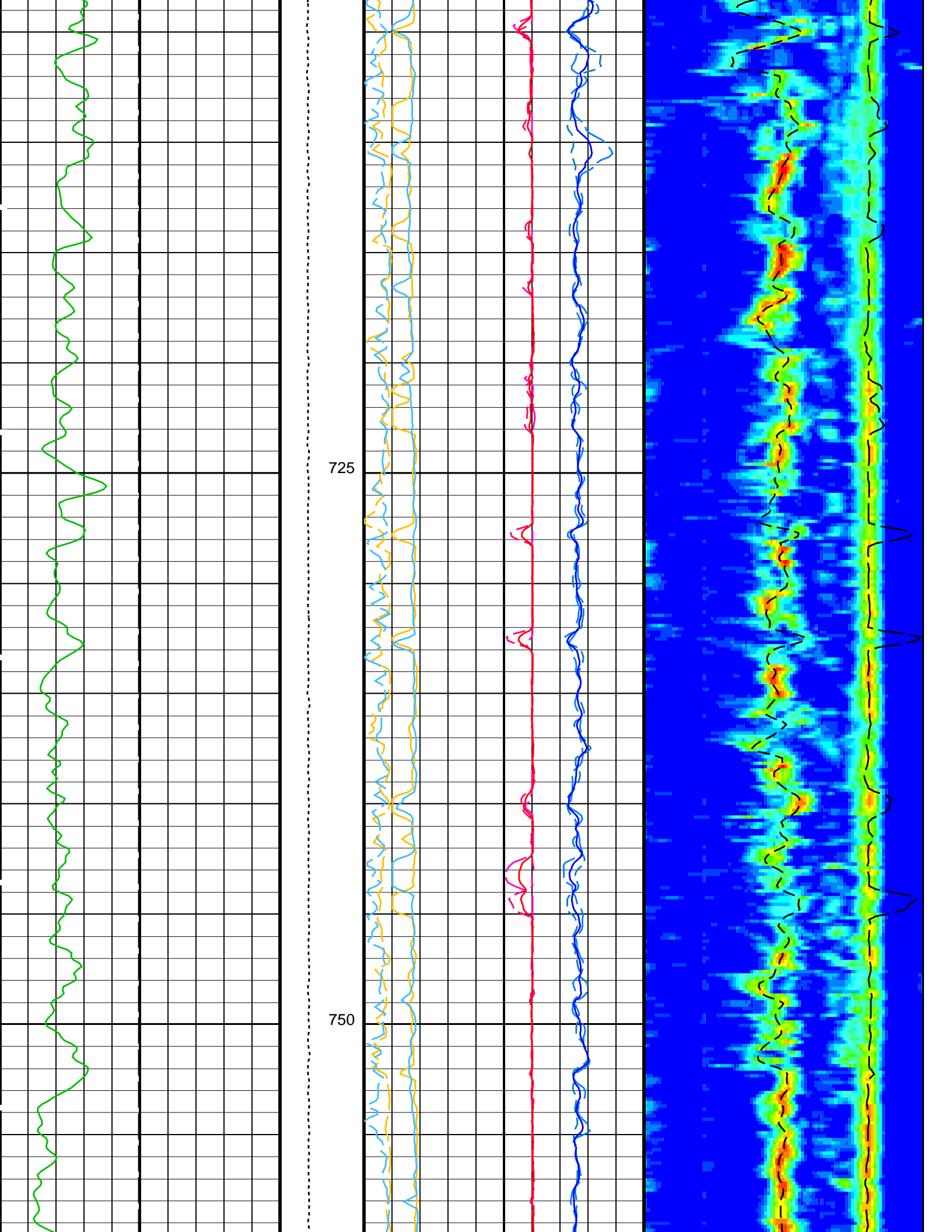


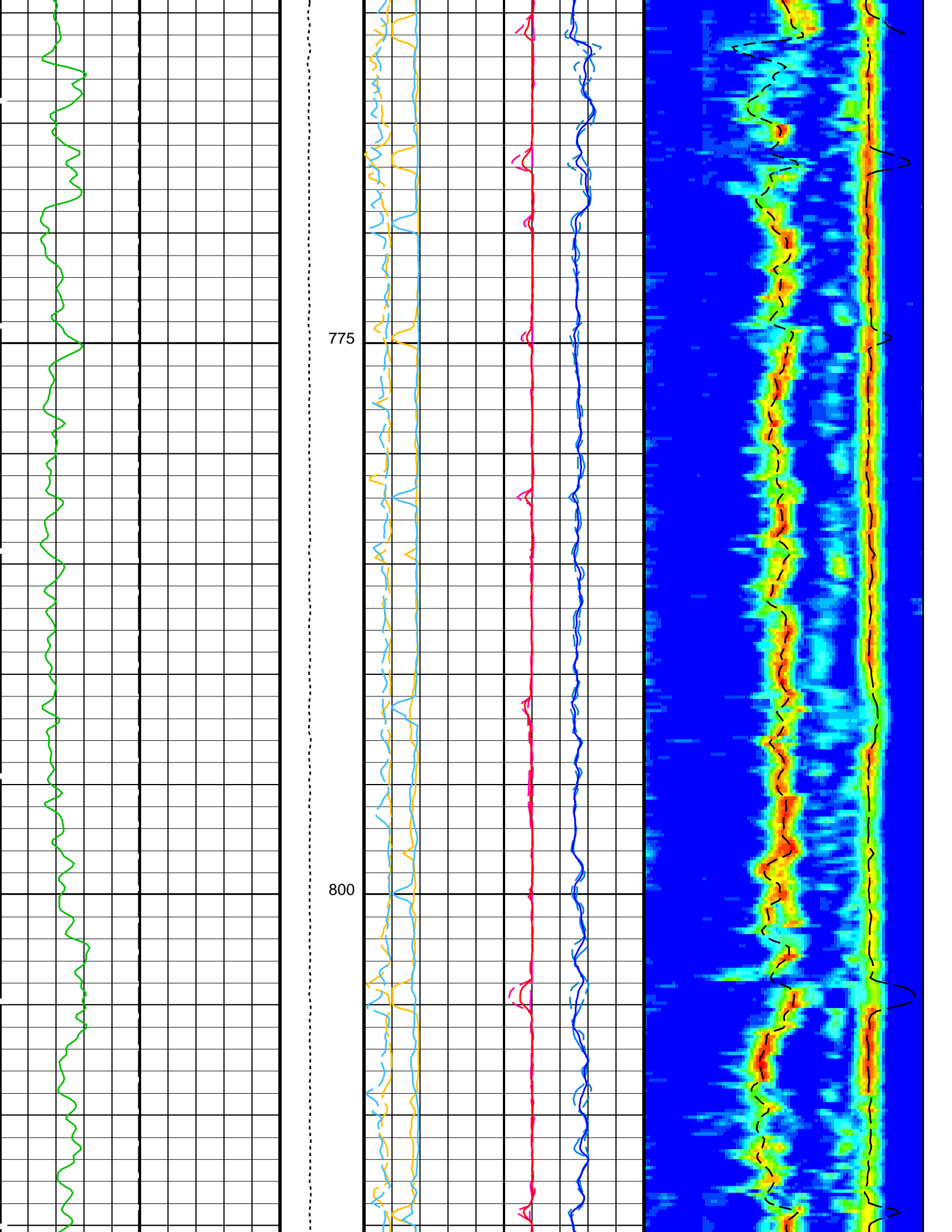


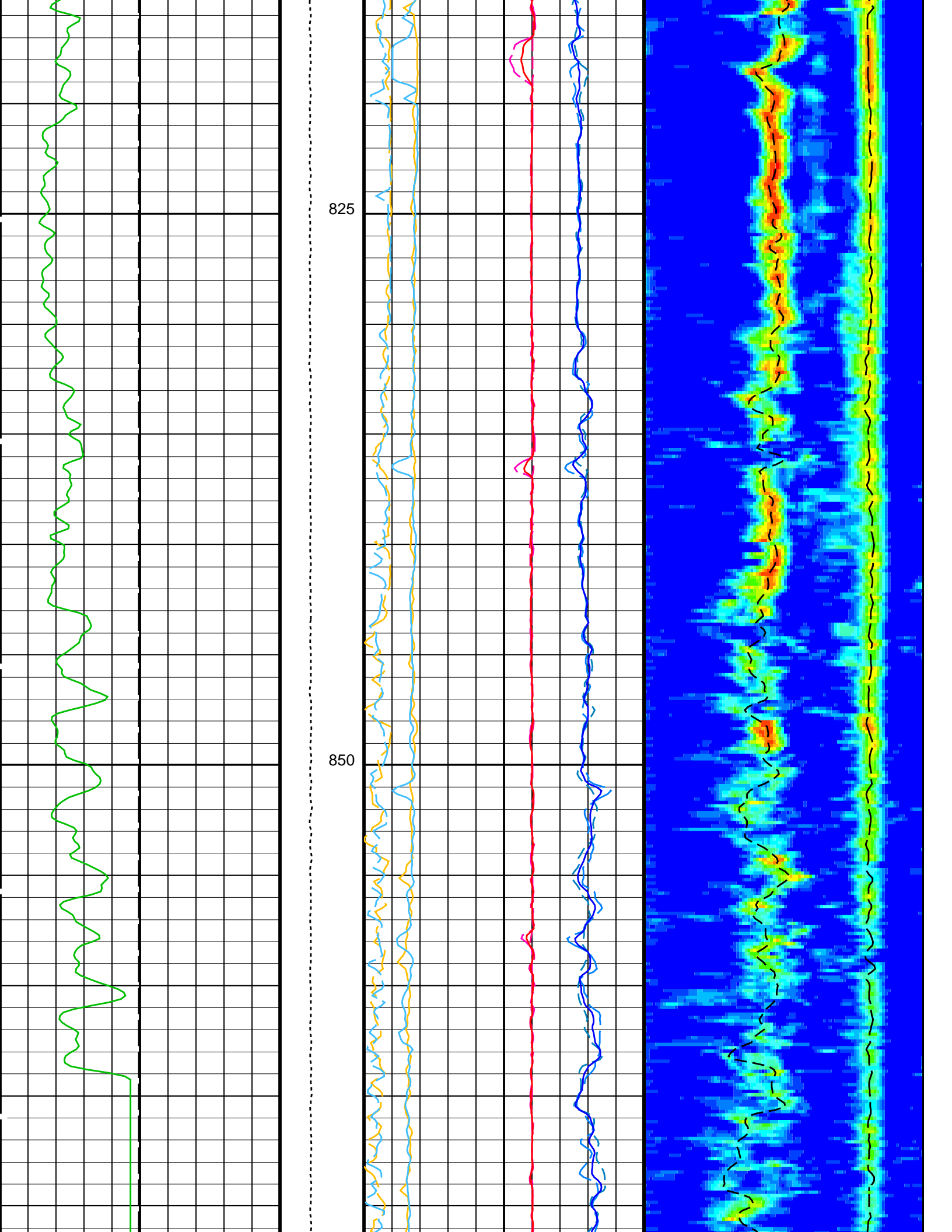


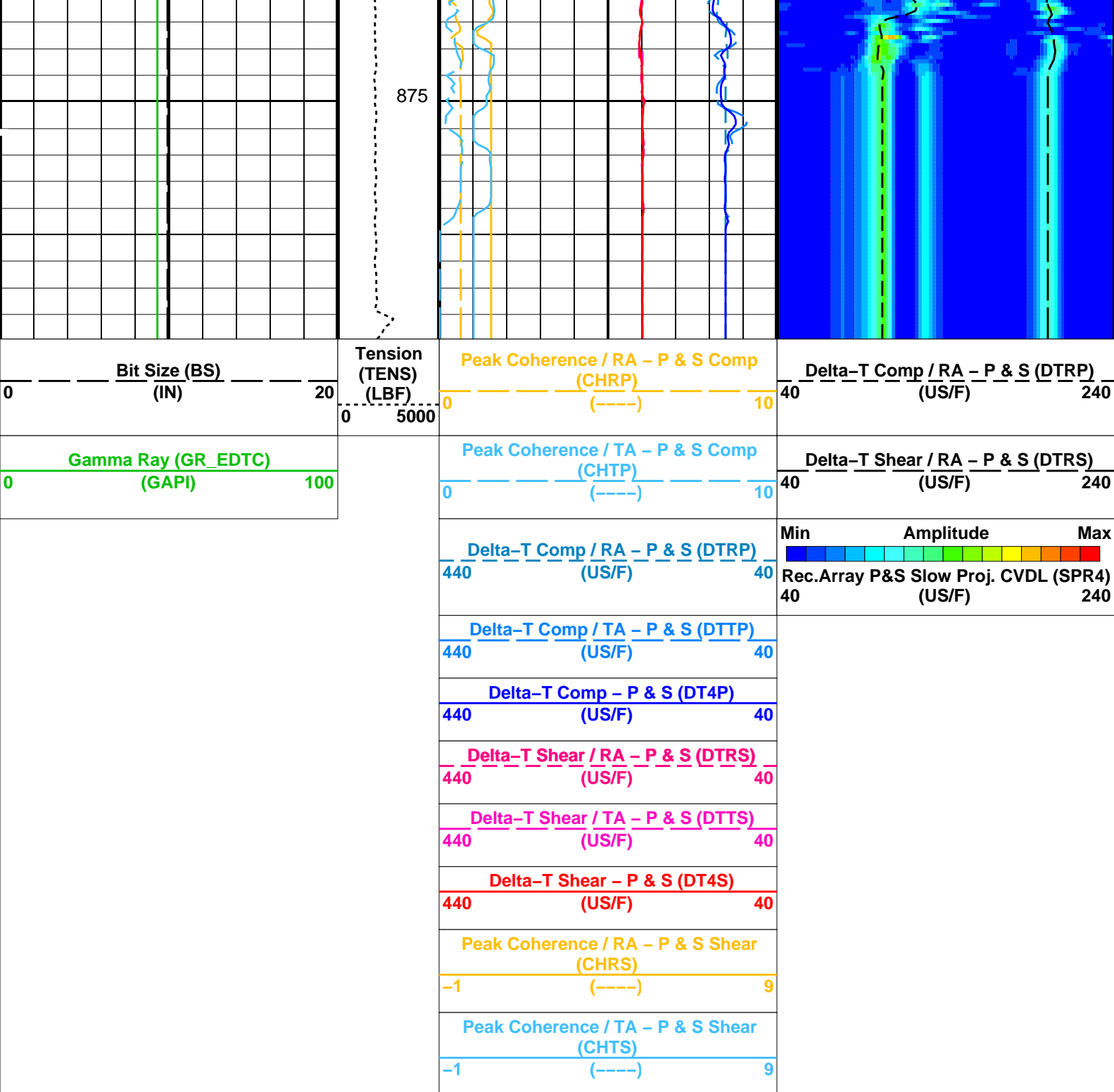












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
CASF	Label Casing Function - Monopole P&S	50
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	65 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	195 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	195 US/F
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
LEG	Label Formation Character - Monopole P&S	DYNAMIC

LPC	Label Formation Character – Monopole P&S	DYNAMIC	57	US/F
MCS	Mean Casing Slowness		186	IN
MTXG	Monopole Transmitter Geometry		8	
NWI4	Number Waveform Items 4		0	
NWIX	Number Waveform Items X		1.4	
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S		2.12	
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S		294	IN
RX1G	Receiver 1 Geometry		300	IN
RX2G	Receiver 2 Geometry		306	IN
RX3G	Receiver 3 Geometry		312	IN
RX4G	Receiver 4 Geometry		318	IN
RX5G	Receiver 5 Geometry		324	IN
RX6G	Receiver 6 Geometry		330	IN
RX7G	Receiver 7 Geometry		336	IN
RX8G	Receiver 8 Geometry		EVEN	
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S		OFF	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert		255	
SAS4	STC Sonic Array Status – Monopole P&S		500	US
SBO4	STC Search Band Offset – Monopole P&S		ON	
SBR4	STC Baseline Removal – Monopole P&S		2000	US
SBW4	STC Search Bandwidth – Monopole P&S		SELECTABLE	
SFC4	STC Formation Character – Monopole P&S		B3–20K	
SFM4	STC Filter – Monopole P&S		195	US/F
SHLL	Label Slowness Lower Limit – Monopole P&S Shear		240	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear		40	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S		2	US/F
SST4	STC Slowness Step – Monopole P&S		WF_SAM4	
SSW4	STC Source Waveform – Monopole P&S		180	US/F
STLL	Label Slowness Lower Limit – Monopole Stoneley		780	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley		240	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S		10	US/F
SWD4	STC Slowness Width – Monopole P&S		300	US
TBF4	STC Time for Baseline Fill – Monopole P&S		150	US
TLL4	STC Time Lower Limit – Monopole P&S		50	US
TST4	STC Time Step – Monopole P&S		3660	US
TUL4	STC Time Upper Limit – Monopole P&S		1000	US
TWD4	STC Time Width – Monopole P&S		500	US
TWI4	STC Integration Time Window – Monopole P&S		0	
TWSX	Transmitter Waveform Select X			
BHS	EDTC–B: Enhanced DTS Cartridge		OPEN	
BS	Borehole Status			
	System and Miscellaneous			
	Bit Size		9.875	IN

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26–Nov–2015 12:30

OP System Version: 19C0–187

DSST–B 19C0–187 EDTC–B SKK–5169–EDTCB

Output DLIS Files

DEFAULT	DSI_018LUP	FN:23	PRODUCER	26–Nov–2015 12:30
RTB	DSI_018LUP	FN:24	PRODUCER	26–Nov–2015 12:30

Schlumberger

Downlog

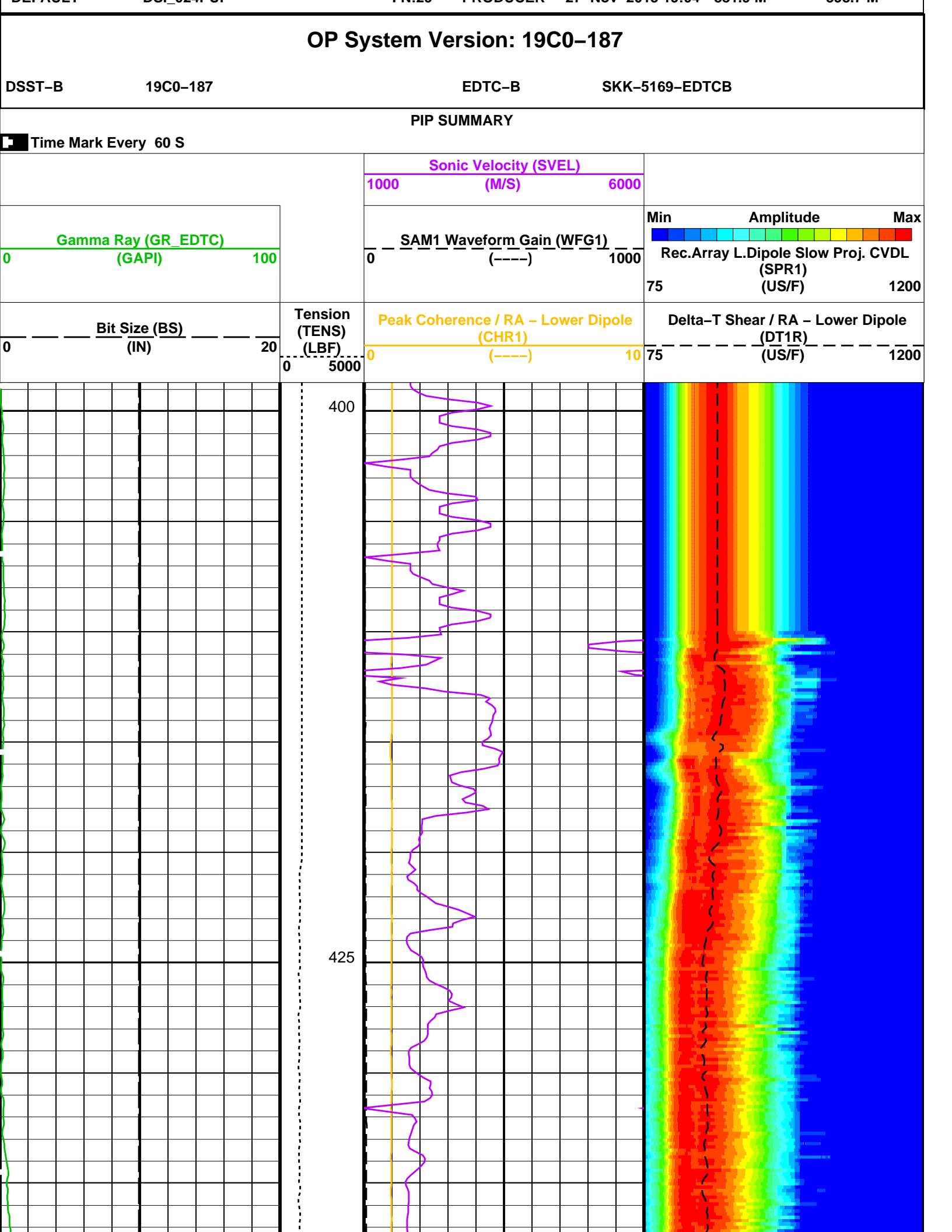
MAXIS Field Log

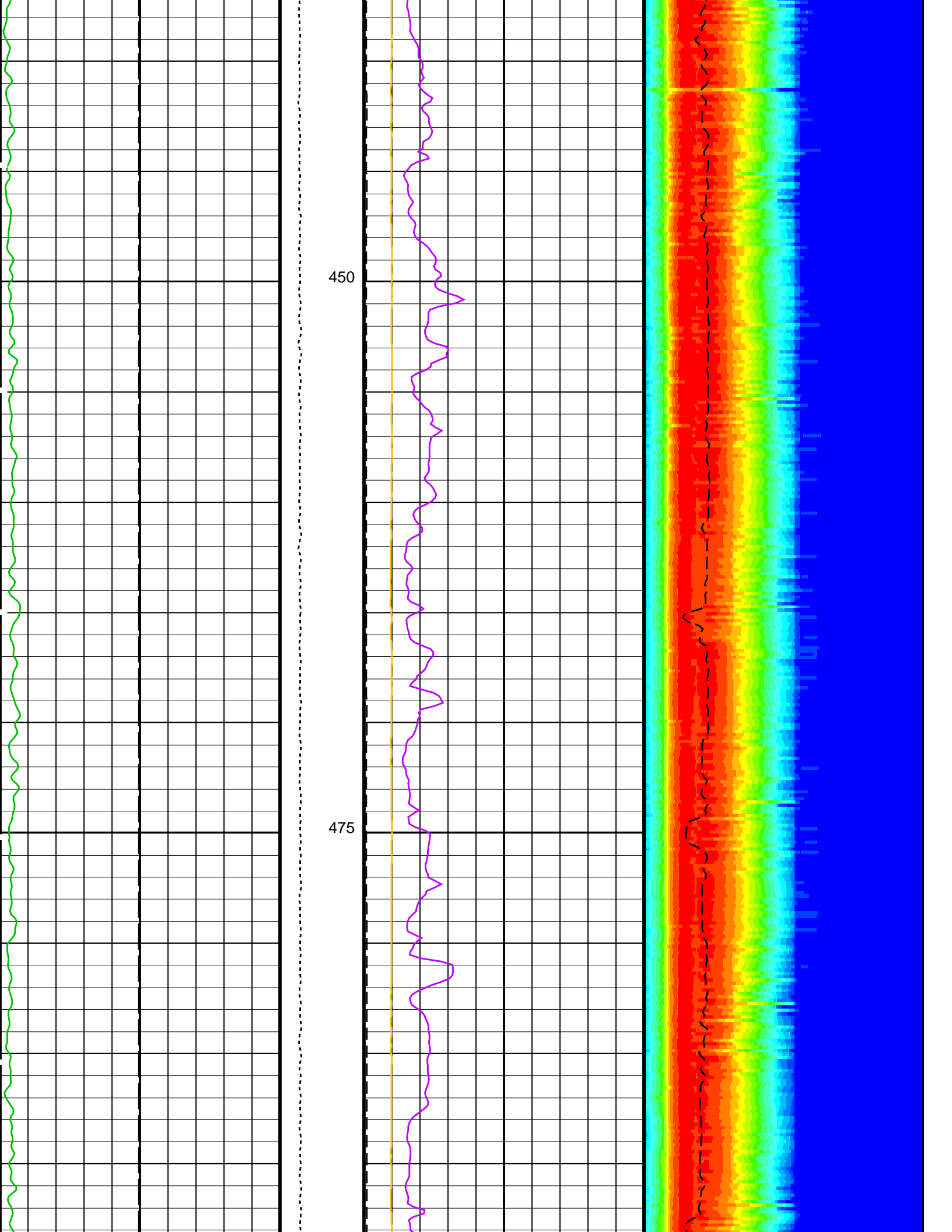
Input DLIS Files

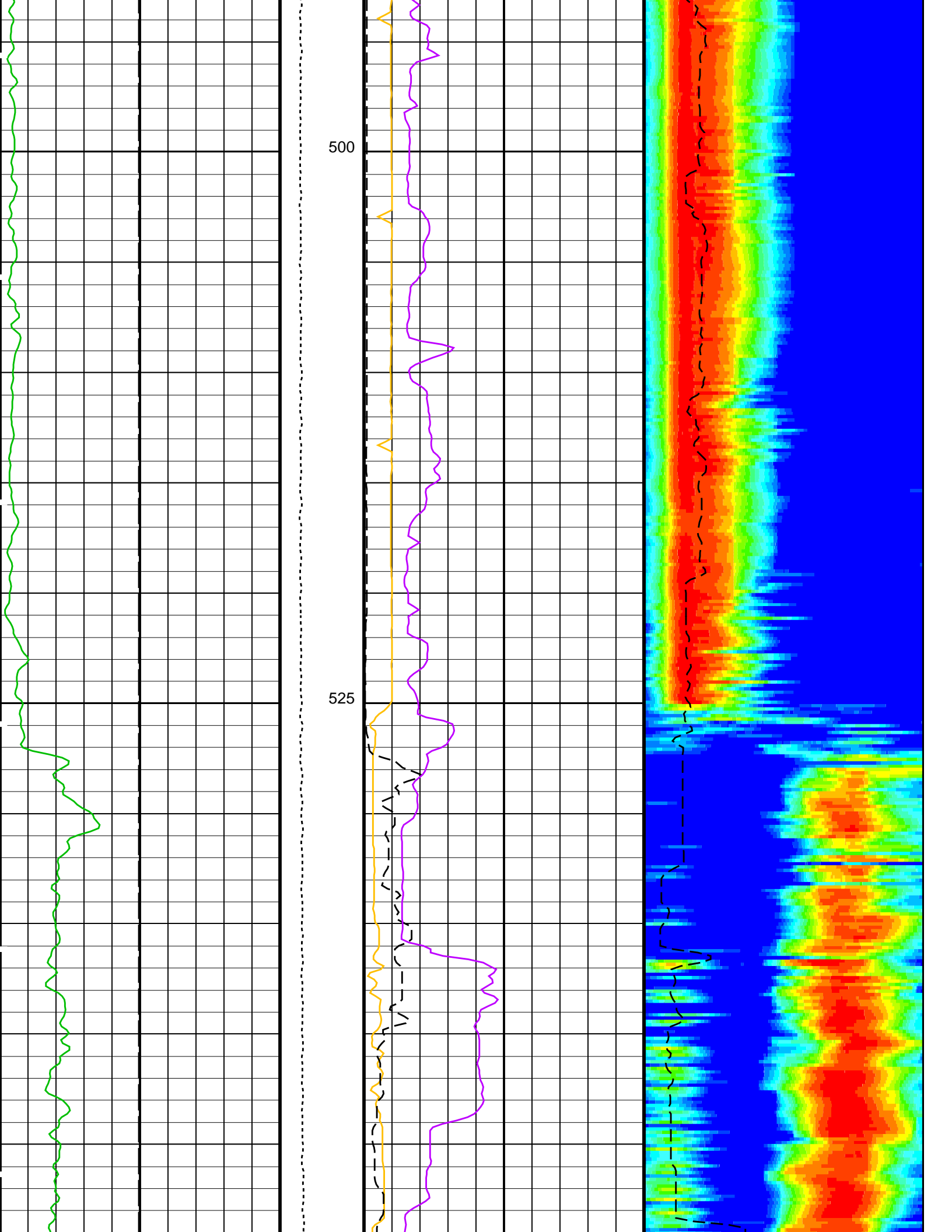
DEFAULT	Flip_DSI_023LUP	PRODUCER	27–Nov–2015 19:03	881.9 M	398.7 M
---------	-----------------	----------	-------------------	---------	---------

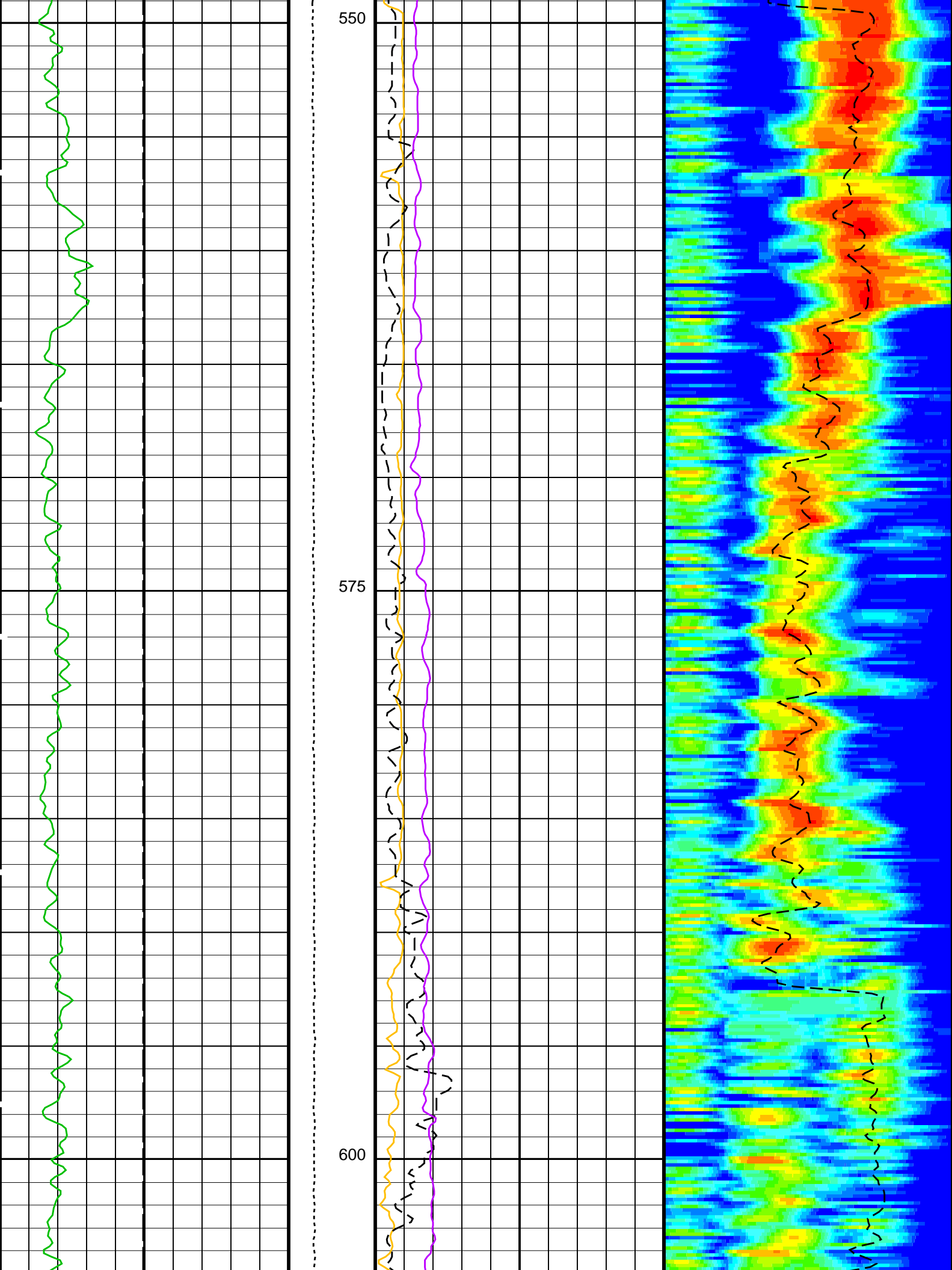
Output DLIS Files

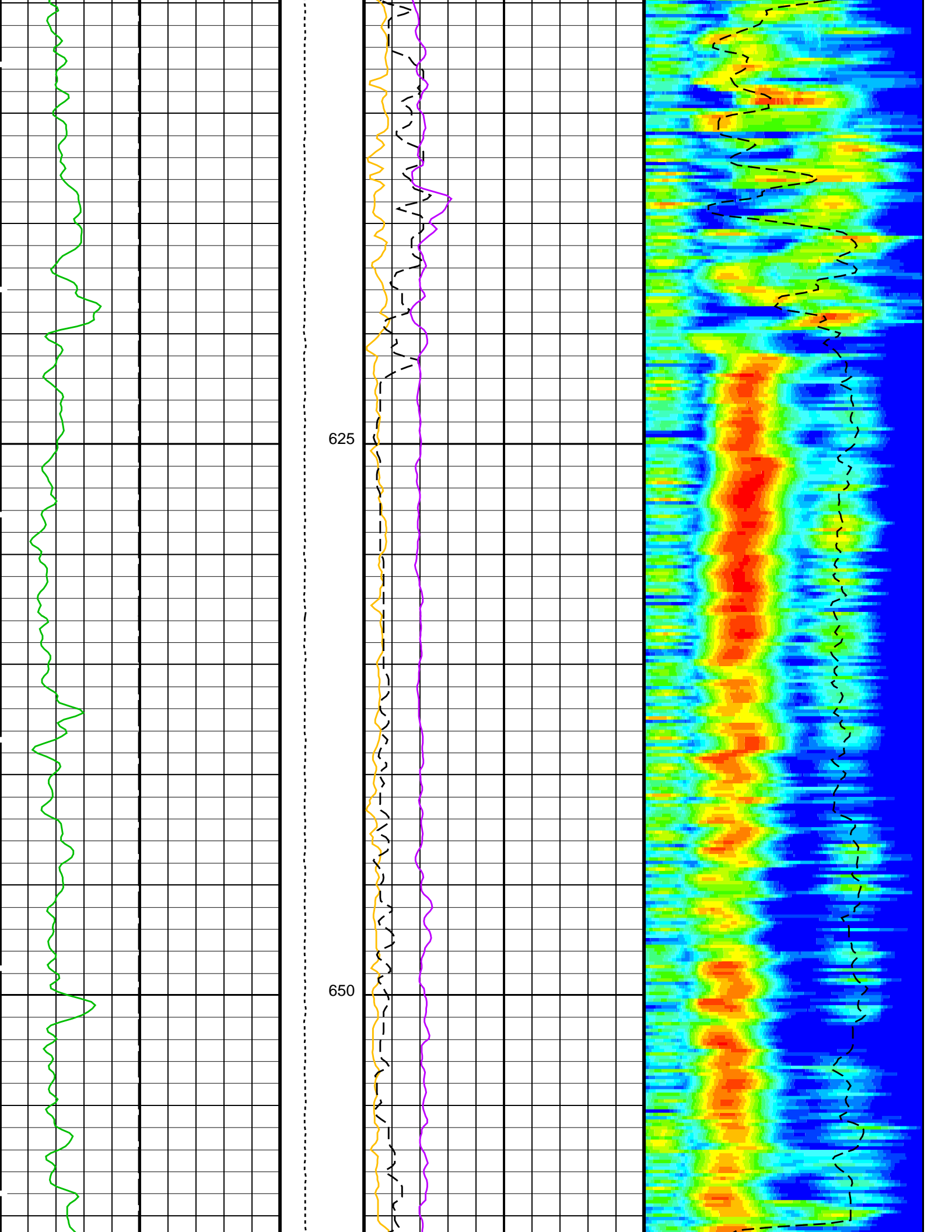
DEFAULT	DSI_024LUP	FN:29	PRODUCER	27–Nov–2015 19:04	881.9 M	398.7 M
---------	------------	-------	----------	-------------------	---------	---------

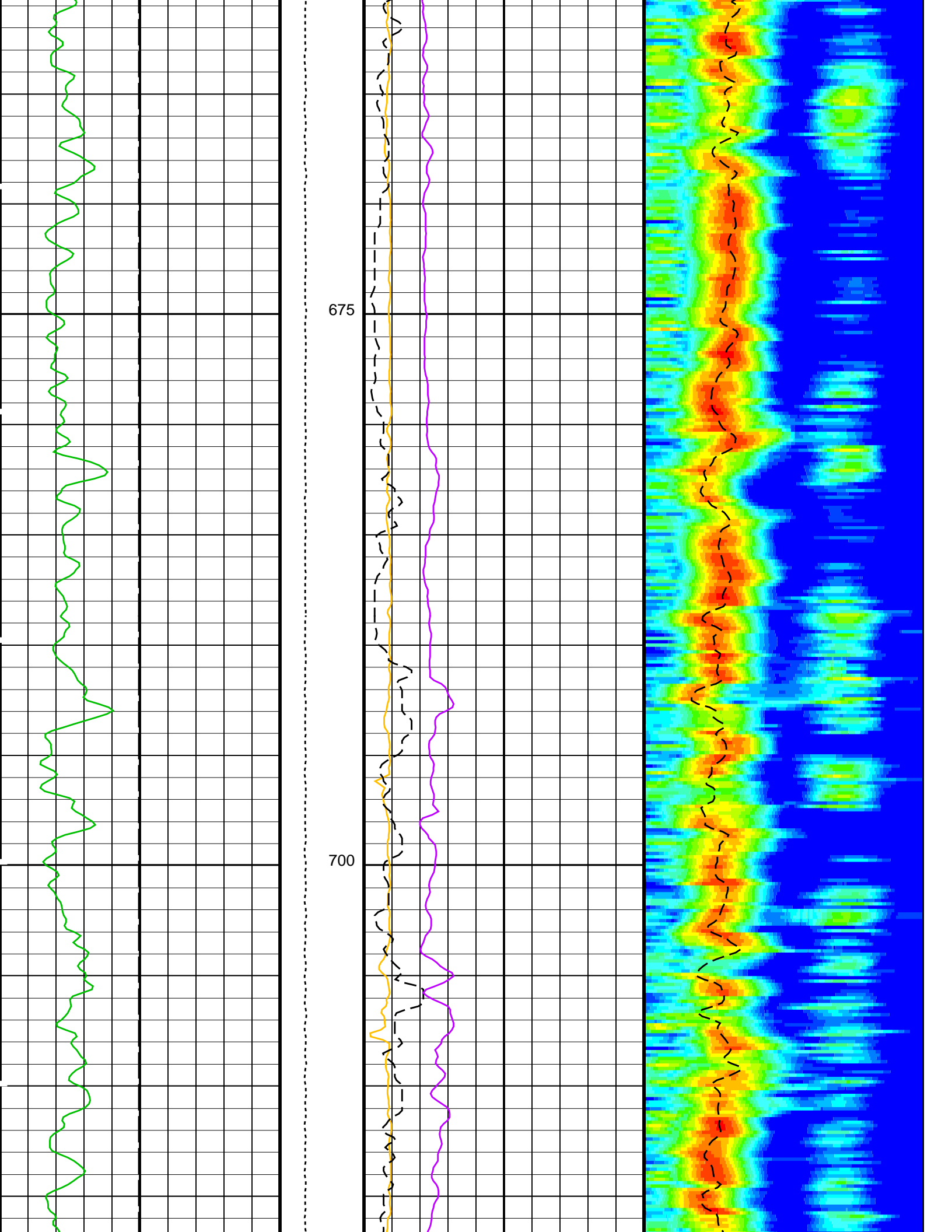


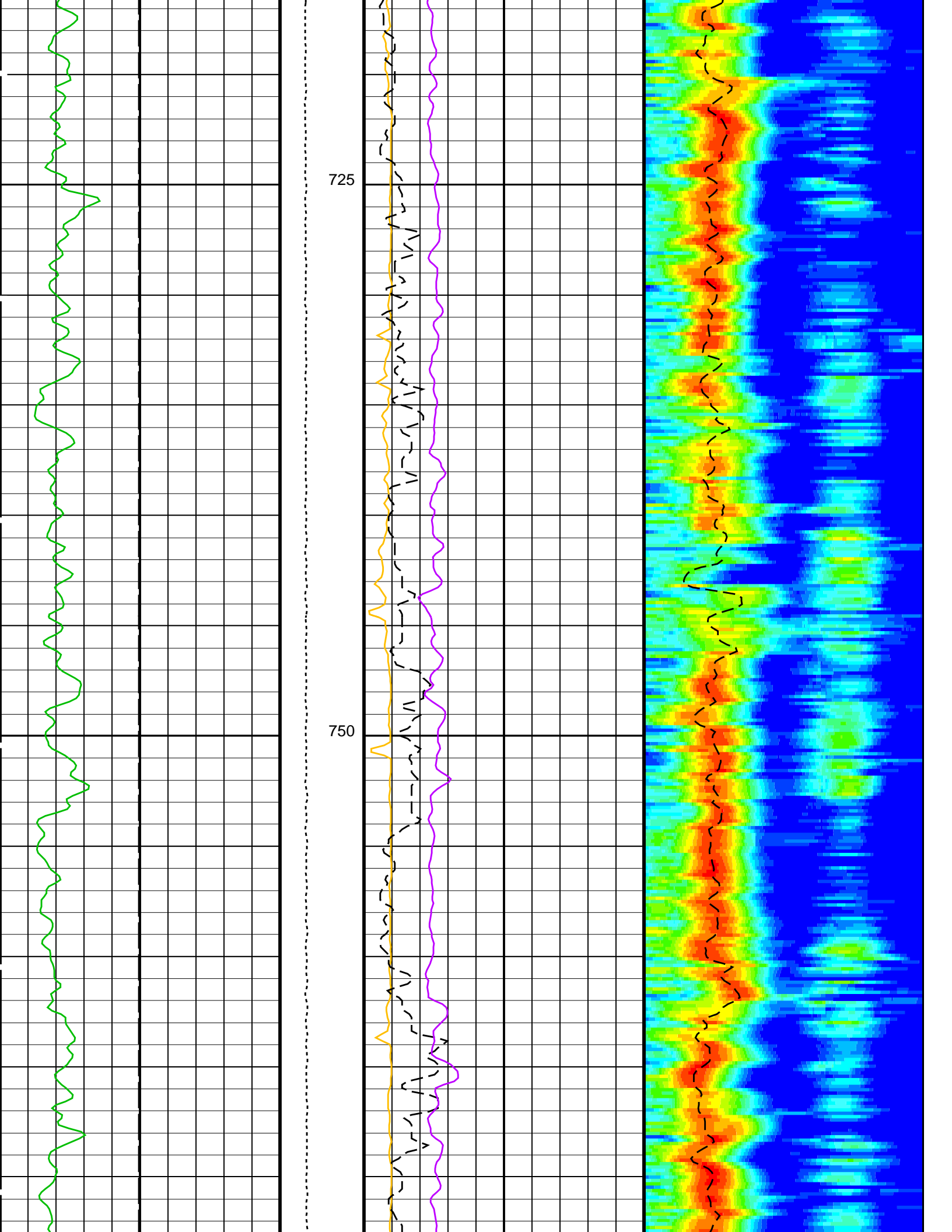


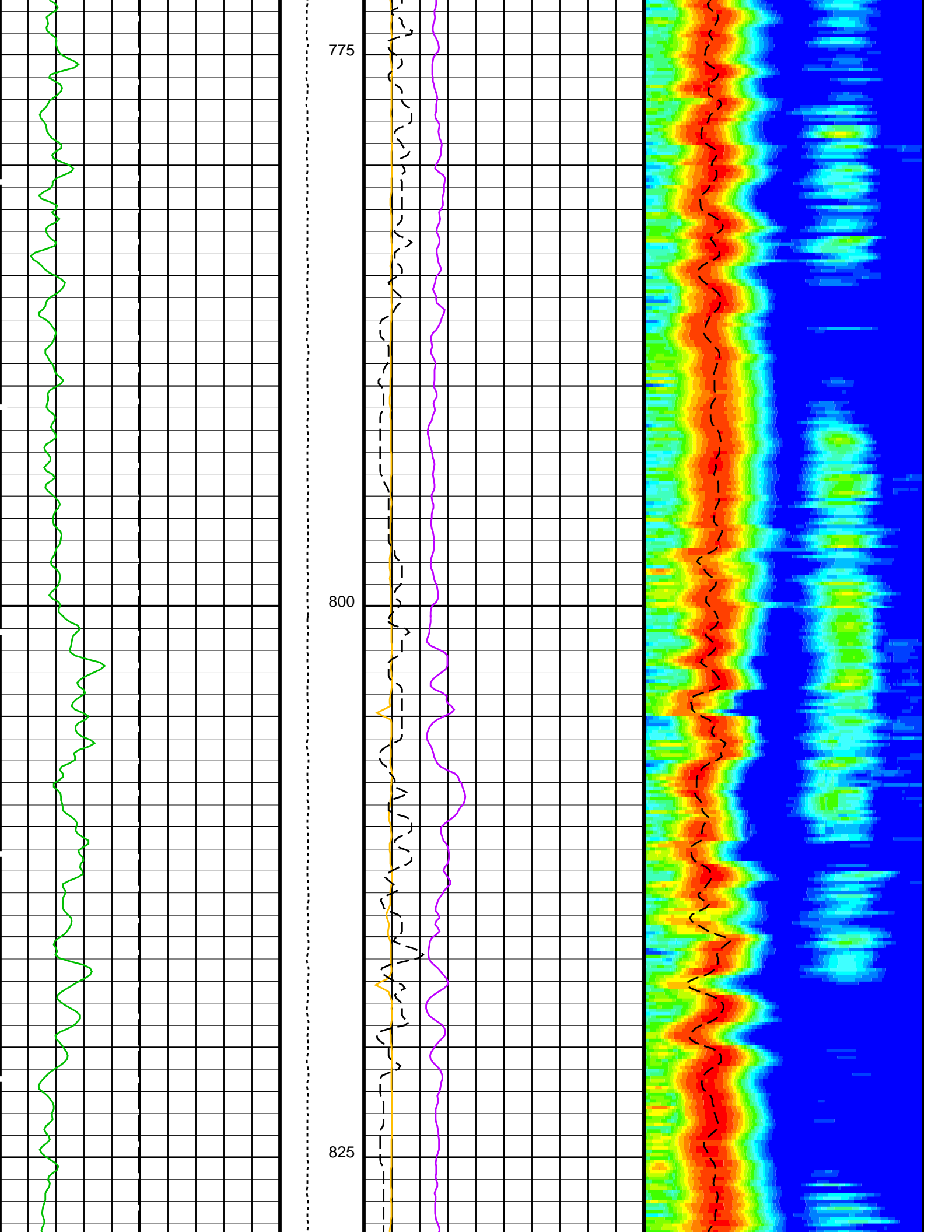


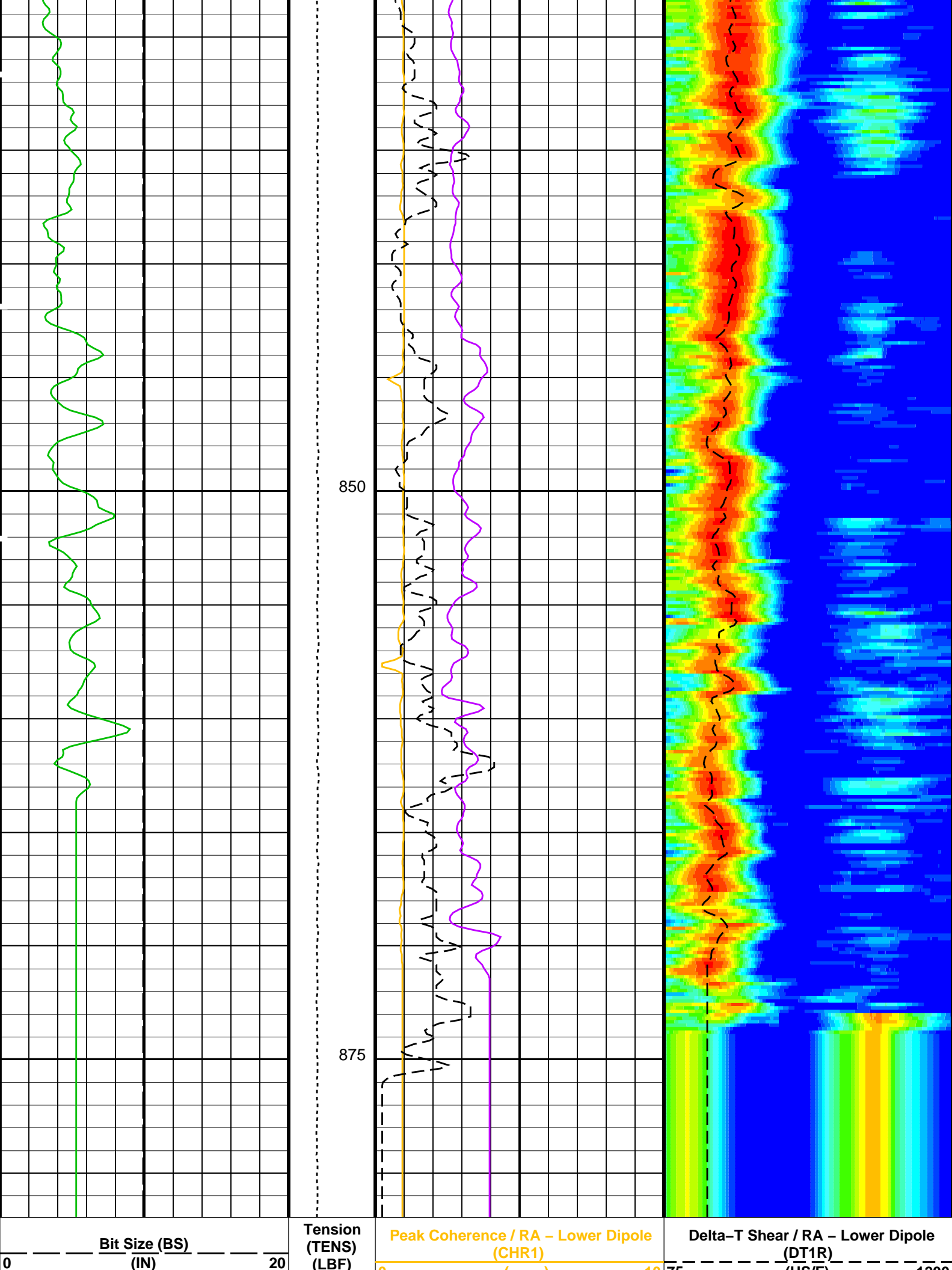




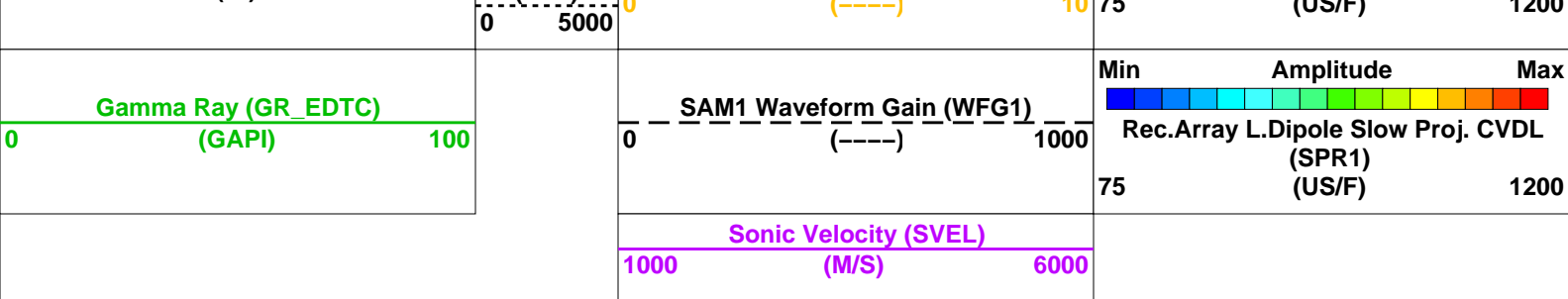








Bit Size (BS) (IN)	Tension (TENS) (LBF)	Peak Coherence / RA - Lower Dipole (CHR1)	Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)
0			75
20			1200



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
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 27–Nov–2015 19:04

OP System Version: 19C0–187

DSST-B 19C0–187 EDTC-B SKK-5169-EDTCB

Input DLIS Files

DEFAULT Flip_DSI_023LUP PRODUCER 27–Nov–2015 19:03 881.9 M 398.7 M

Output DLIS Files

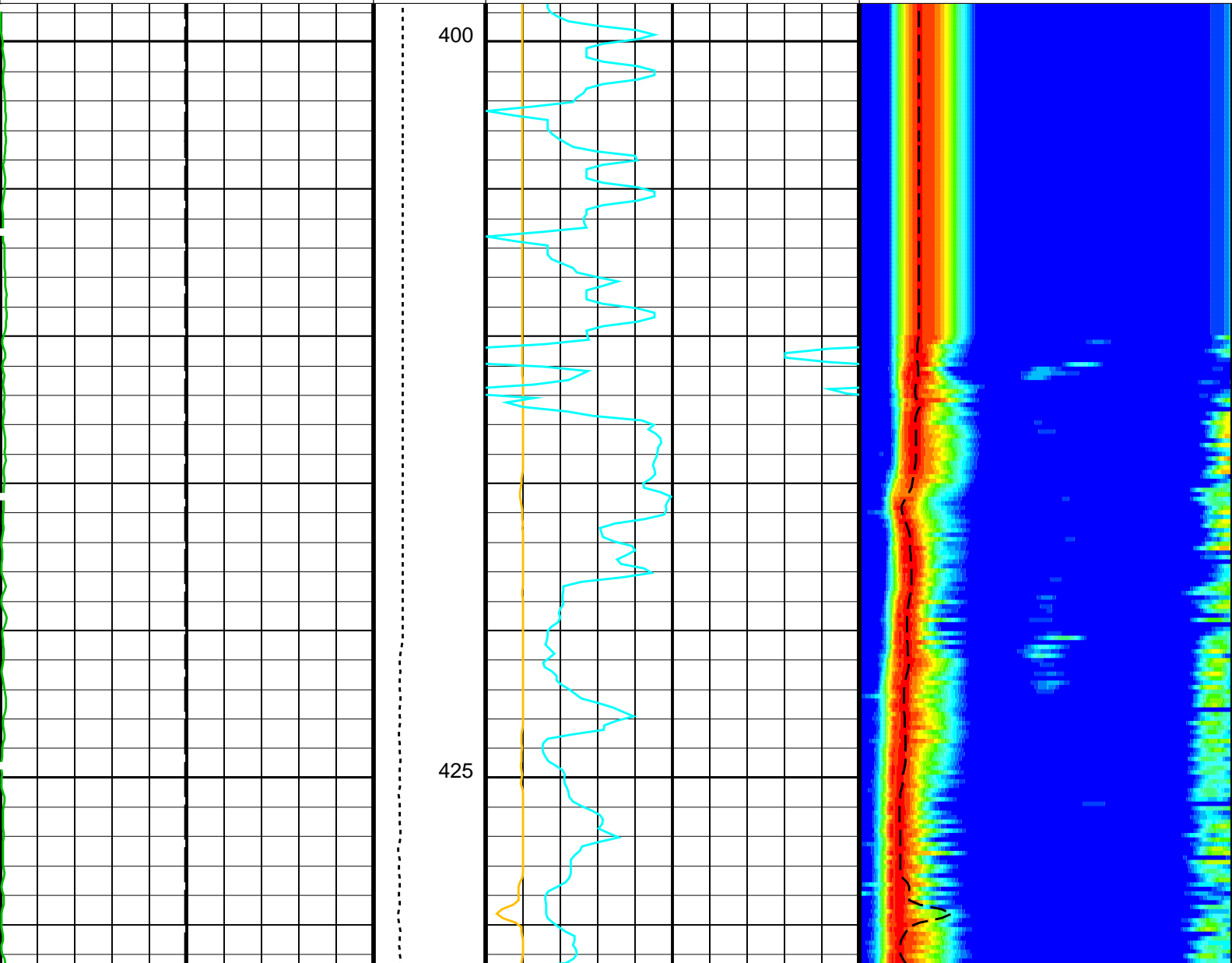
Input DLIS Files					
DEFAULT	Flip_DSI_023LUP	PRODUCER	27-Nov-2015 19:03	881.9 M	398.7 M
Output DLIS Files					
DEFAULT	DSI_024PUP	FN:29	PRODUCER	27-Nov-2015 19:04	881.9 M 398.7 M

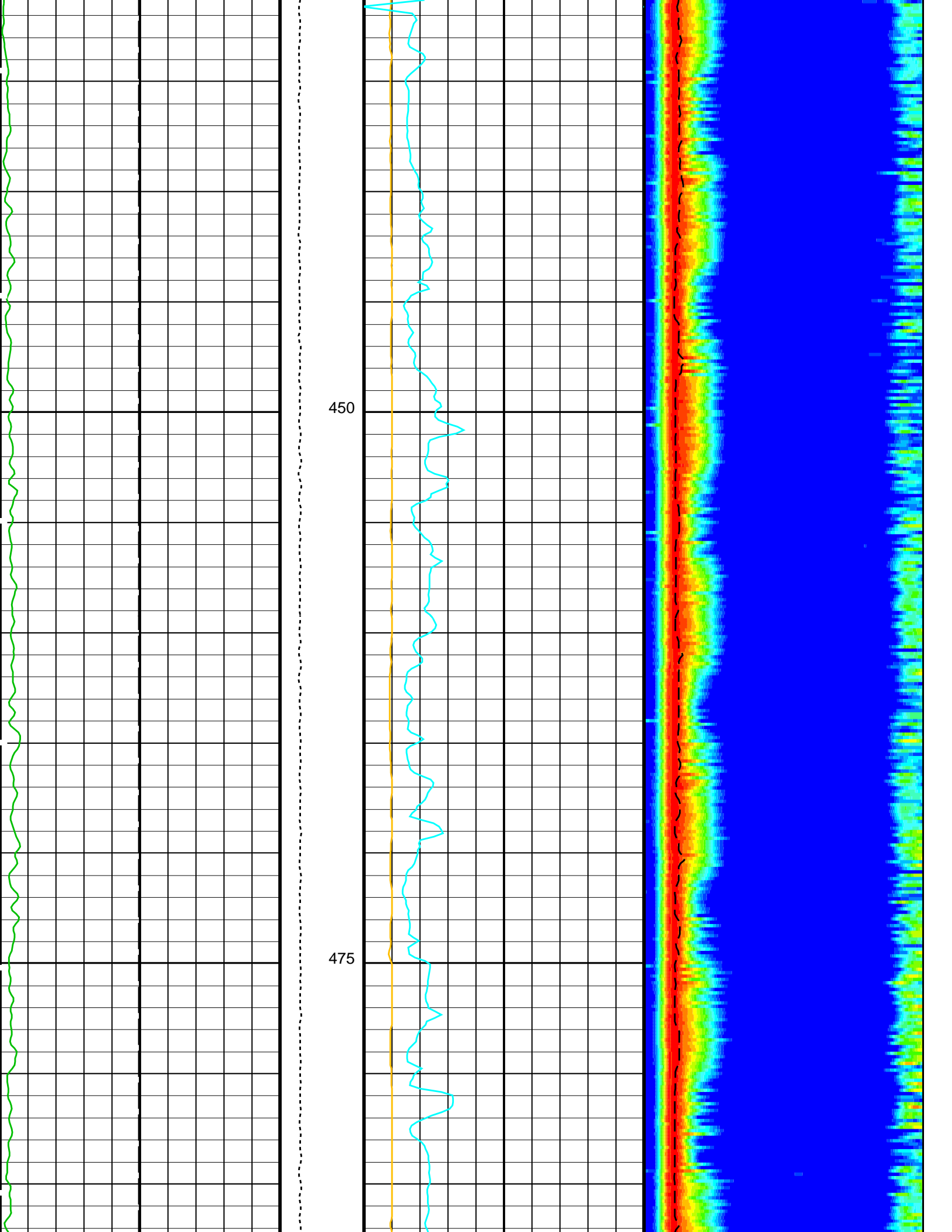
OP System Version: 19C0-187					
DSST-B	19C0-187	EDTC-B	SKK-5169-EDTCB		

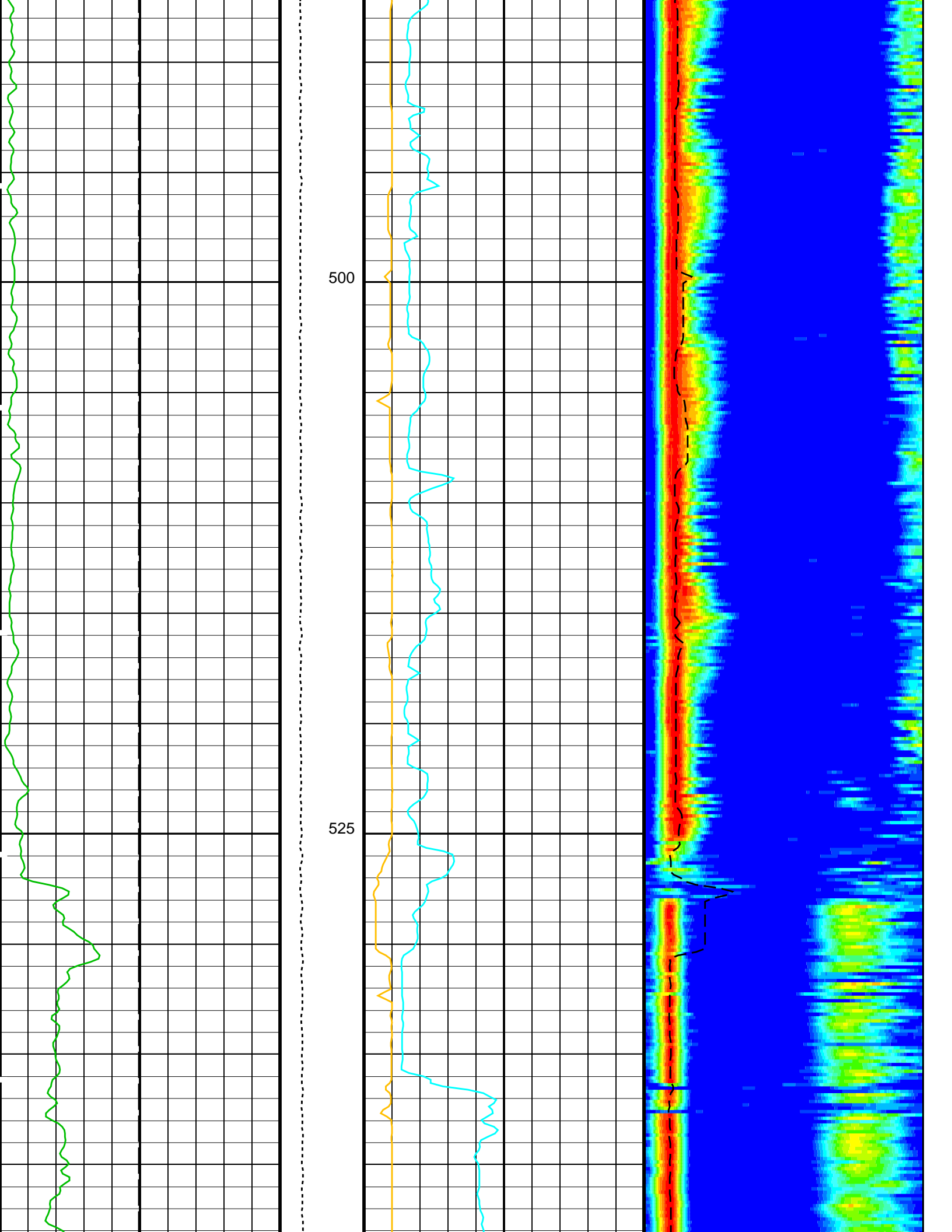
PIP SUMMARY

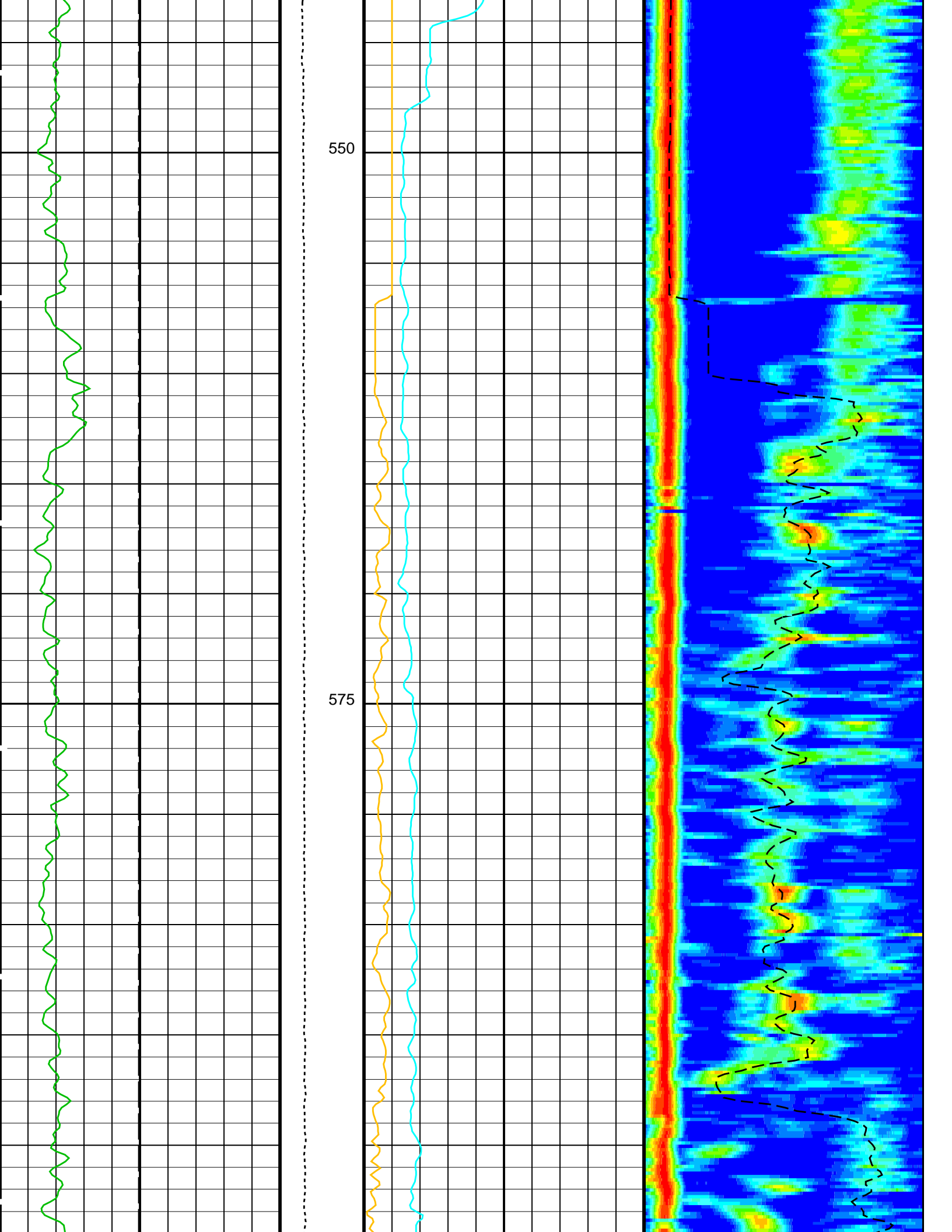
 Time Mark Every 60 S

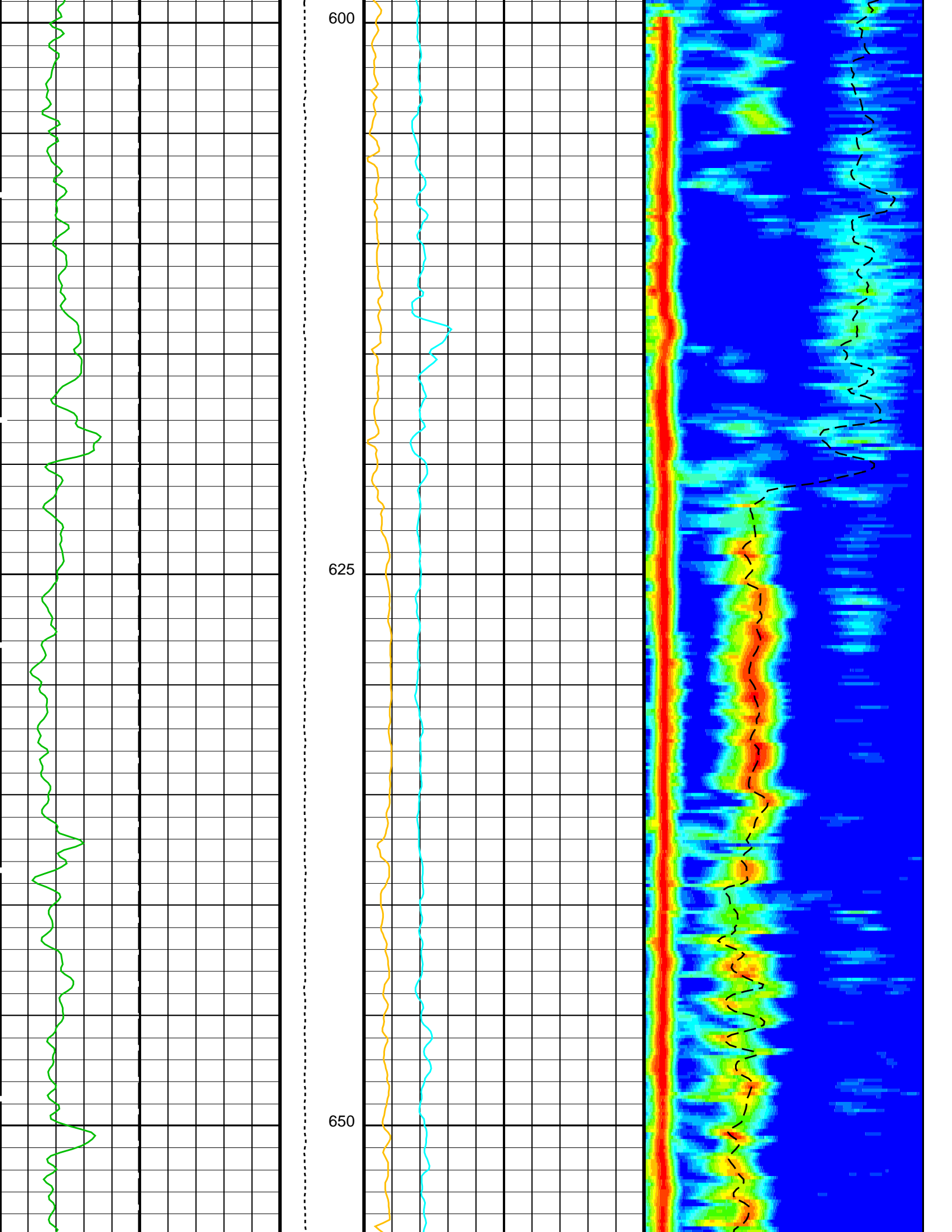
Gamma Ray (GR_EDTC) (GAPI)		Sonic Velocity (SVEL) (M/S)		Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	
0	100	1000	6000	75	1200
Bit Size (BS) (IN)		Tension (TENS) (LBF)	Peak Coherence / RA - Upper Dipole (CHR2) (-----)	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	
0	20	0 5000	0 10	75	1200

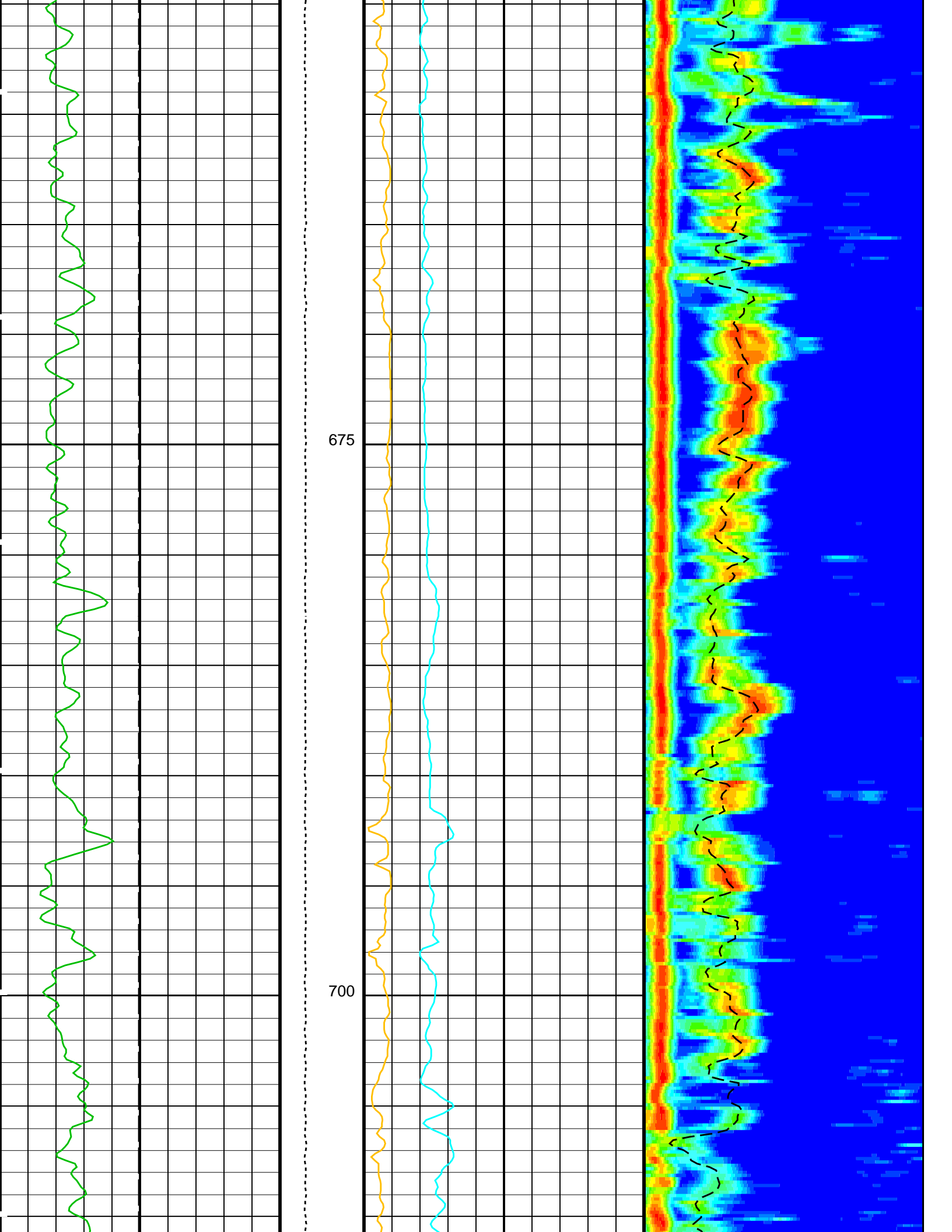


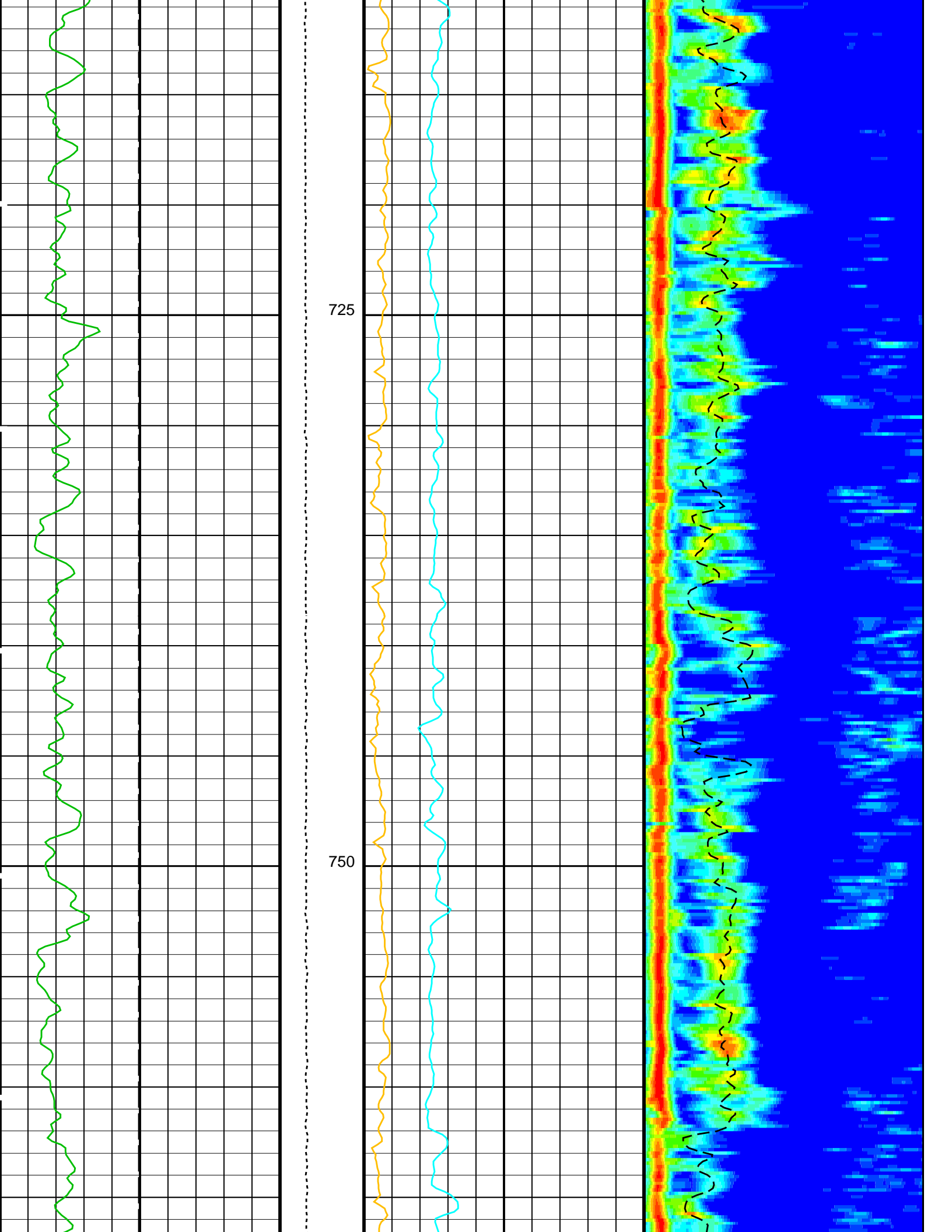


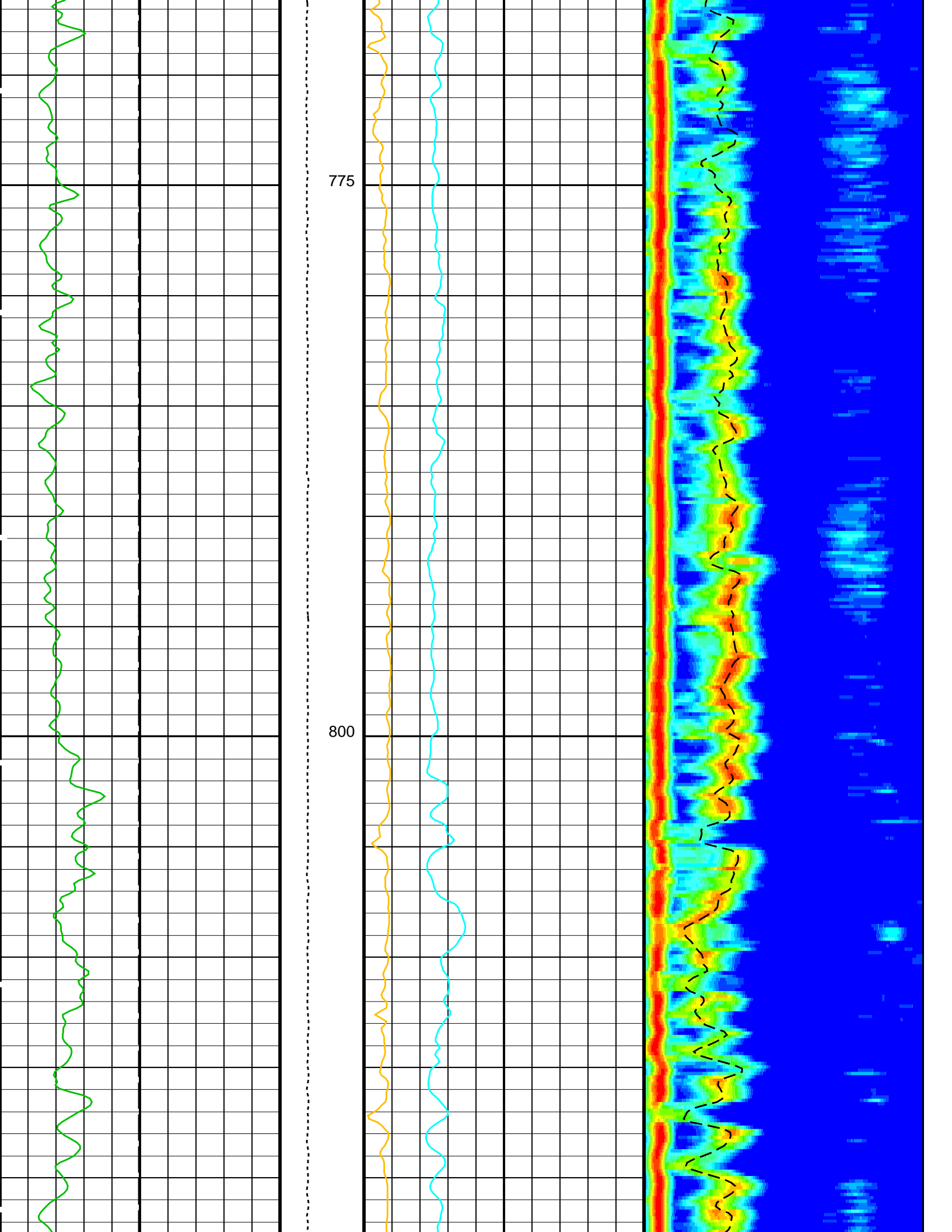


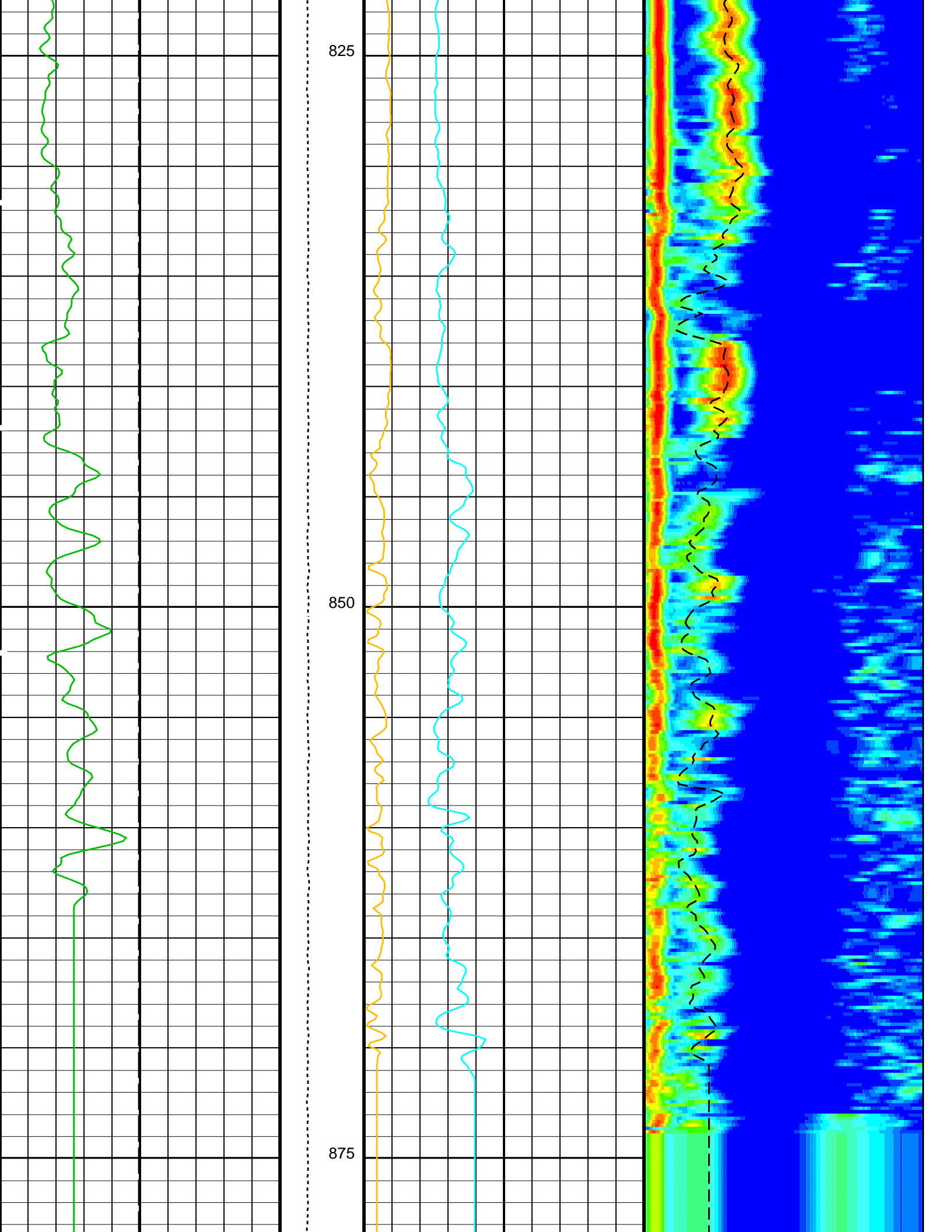


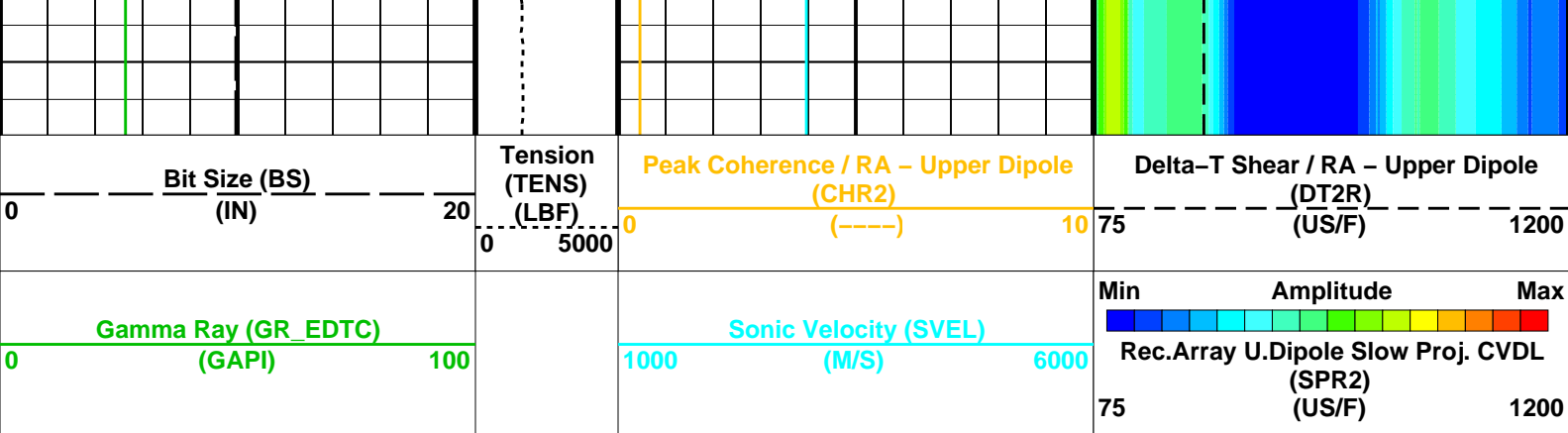












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
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	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC2	Digitizer Word Count 2	512
DWCX	Digitizer Word Count X	512
NWI2	Number Waveform Items 2	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS2	STC Sonic Array Status - Upper Dipole	255
SBO2	STC Search Band Offset - Upper Dipole	3000 US
SBW2	STC Search Bandwidth - Upper Dipole	8000 US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE
SFM2	STC Filter - Upper Dipole	B1-3K
SLL2	STC Slowness Lower Limit - Upper Dipole	75 US/F
SST2	STC Slowness Step - Upper Dipole	4 US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2
SUL2	STC Slowness Upper Limit - Upper Dipole	1200 US/F
SWD2	STC Slowness Width - Upper Dipole	40 US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0 US
TLL2	STC Time Lower Limit - Upper Dipole	600 US
TST2	STC Time Step - Upper Dipole	200 US
TUL2	STC Time Upper Limit - Upper Dipole	20200 US
TWD2	STC Time Width - Upper Dipole	2000 US
TWI2	STC Integration Time Window - Upper Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
UTXG	Upper Dipole Transmitter Geometry	162 IN
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 27-Nov-2015 19:04

OP System Version: 19C0-187

DSST-B 19C0-187 EDTC-B SKK-5169-EDTCB

Input DLIS Files

DEFAULT Elin DSI 023LIP PRODUCER 27-Nov-2015 19:03 881.9 M 398.7 M

Company: International Ocean Discovery Program

Well: Expedition 359, Site U1471E

Input DLIS Files

DEFAULT

Flip_DSI_023LUP

PRODUCER

27-Nov-2015 19:03

881.9 M

398.7 M

Output DLIS Files

DEFAULT

DSI_024PUP

FN:29

PRODUCER

27-Nov-2015 19:04

881.9 M

398.7 M

OP System Version: 19C0-187

DSST-B

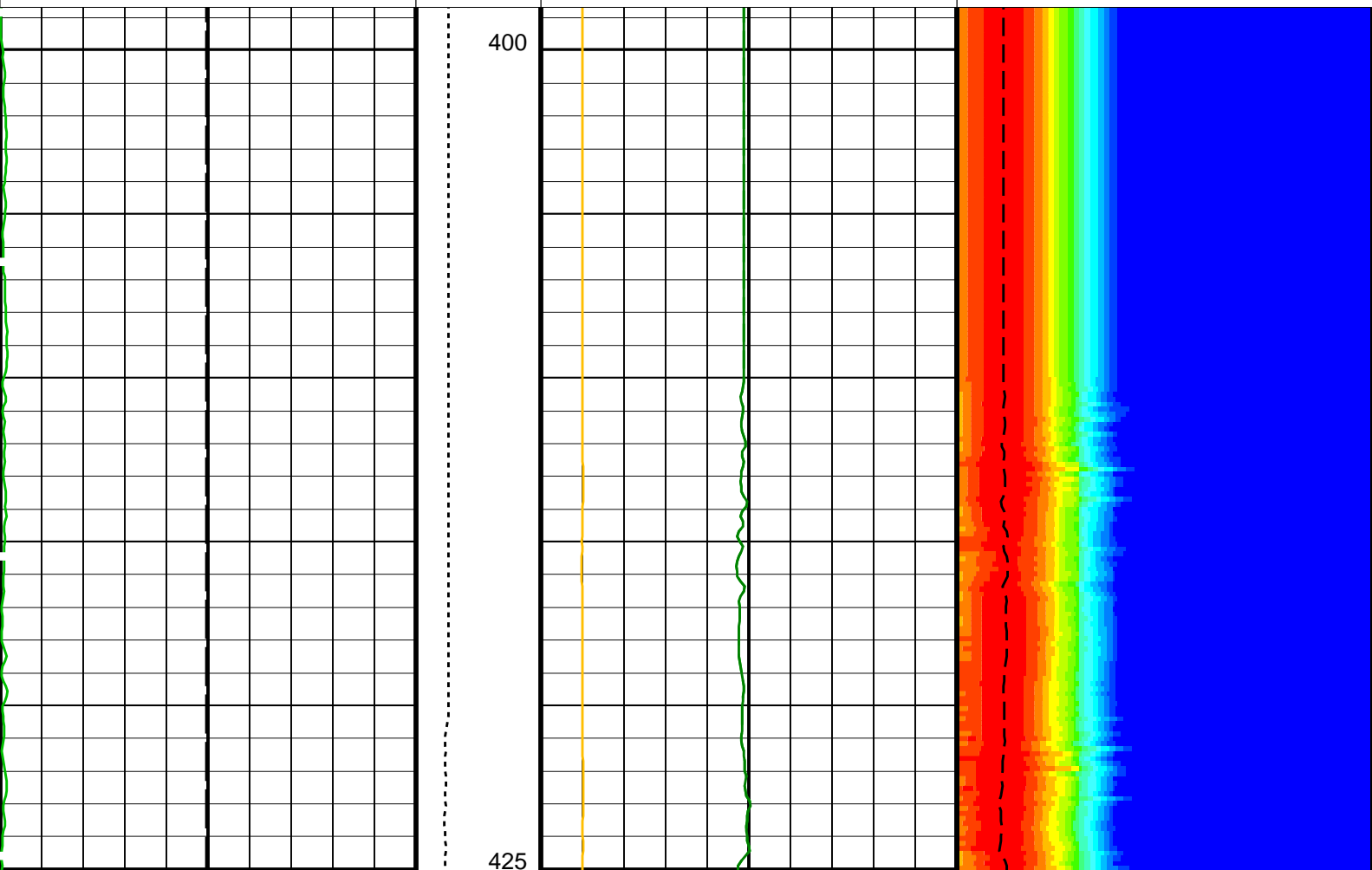
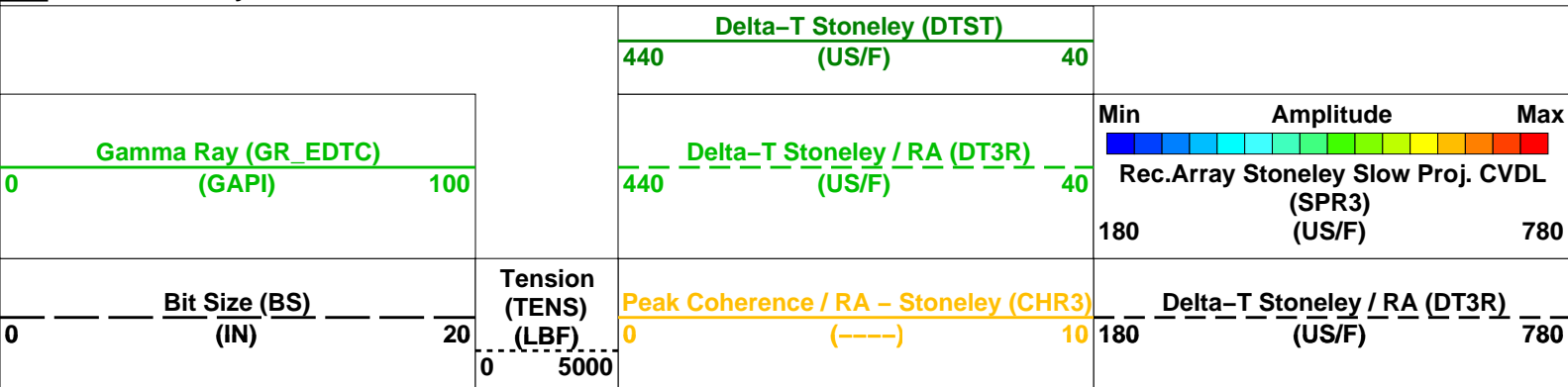
19C0-187

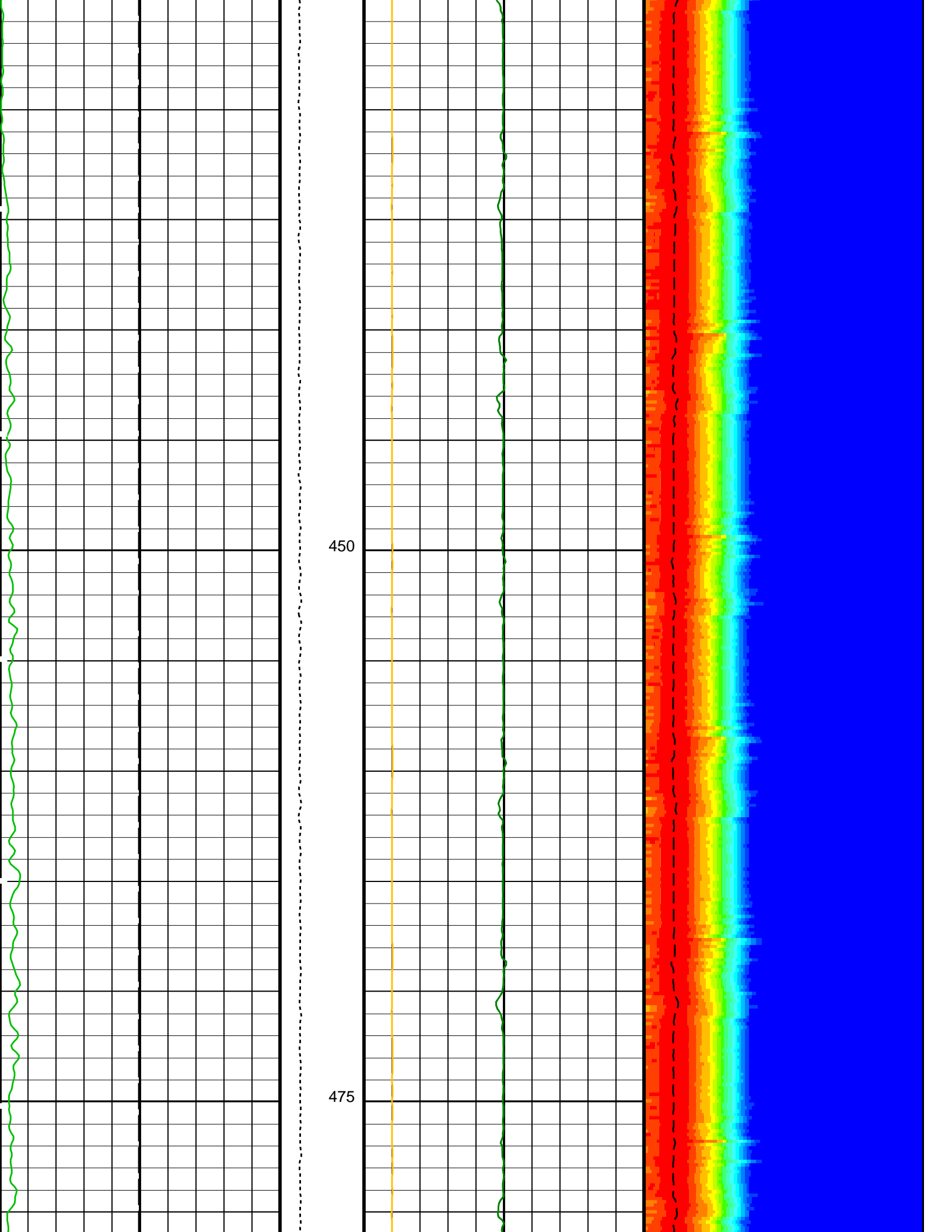
EDTC-B

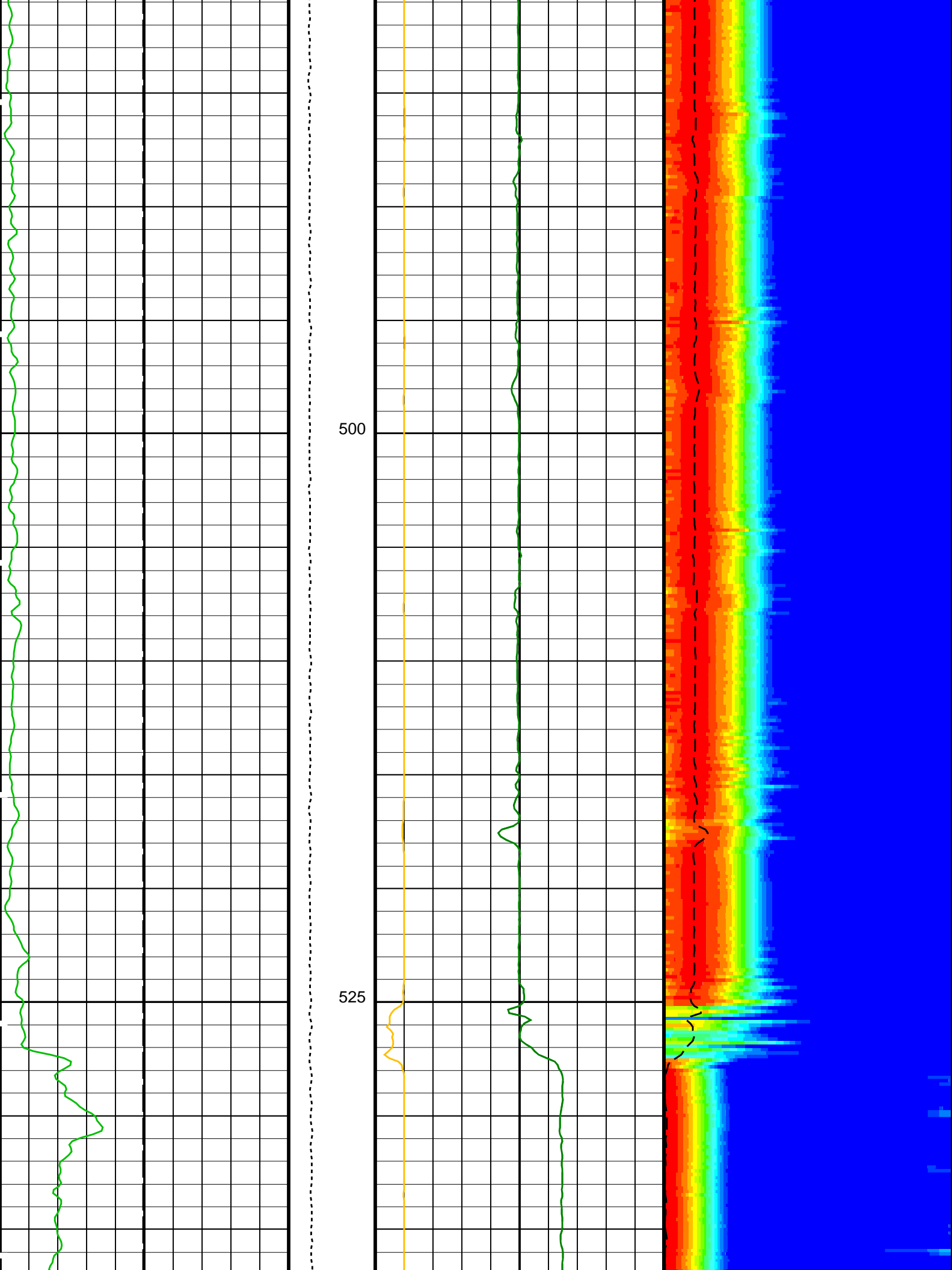
SKK-5169-EDTCB

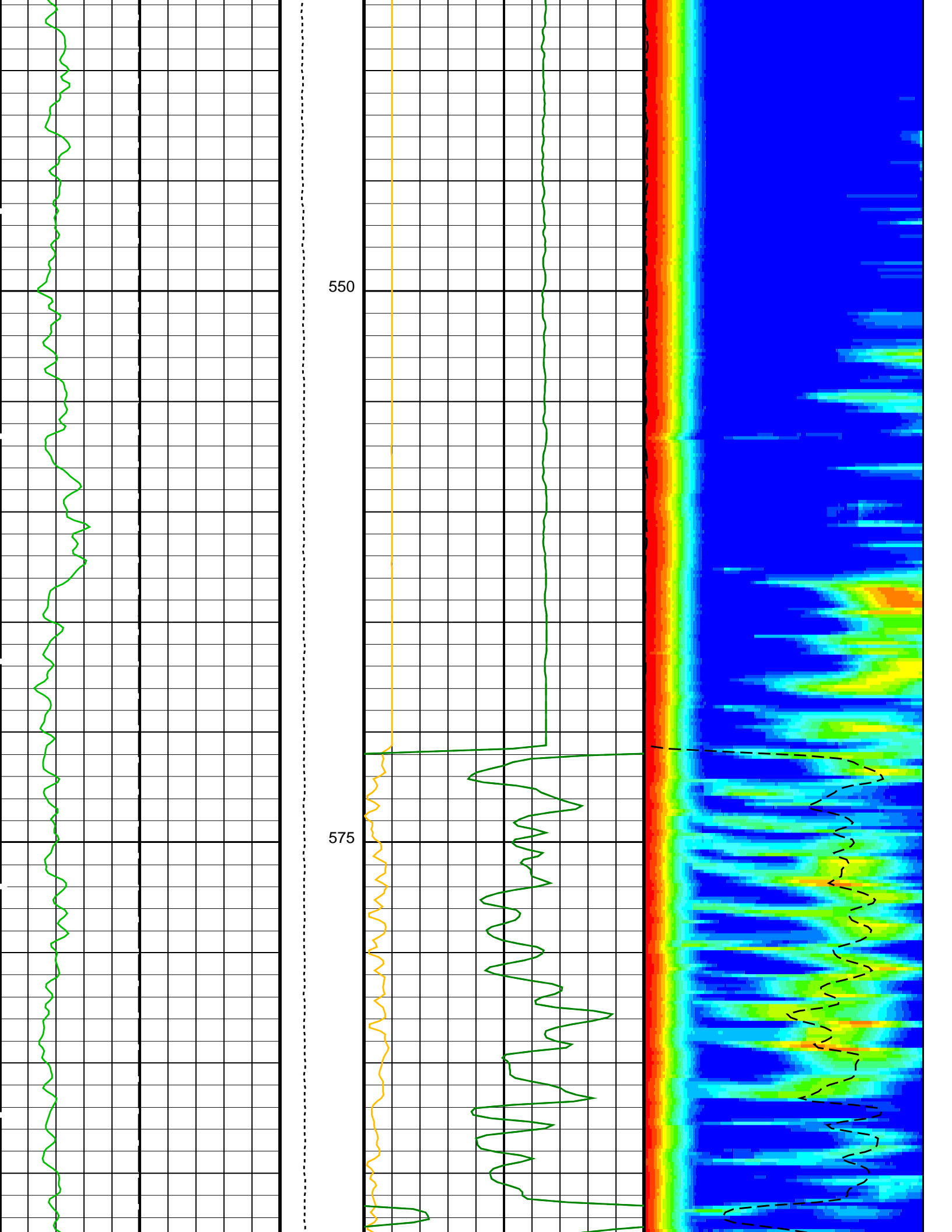
PIP SUMMARY

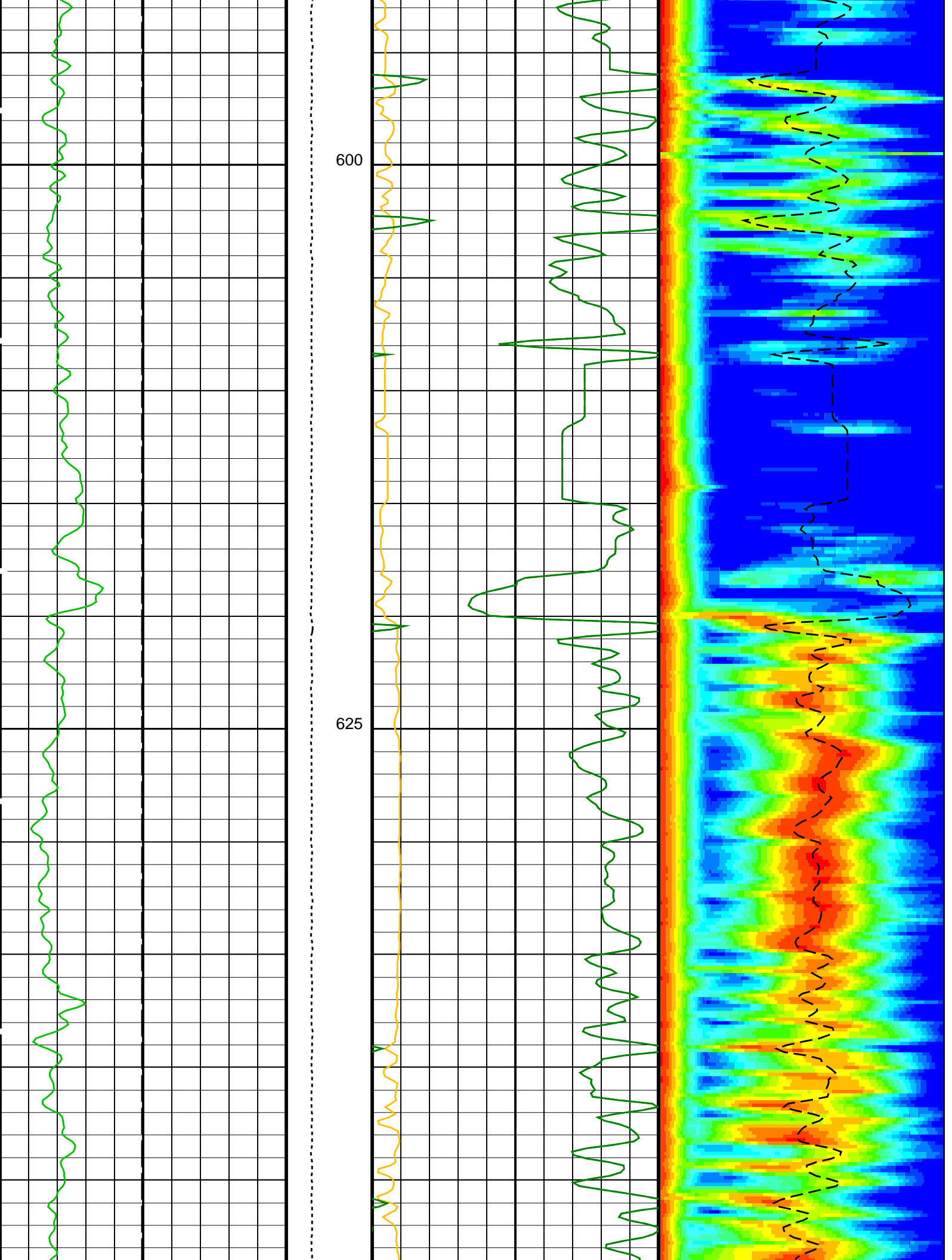
Time Mark Every 60 S

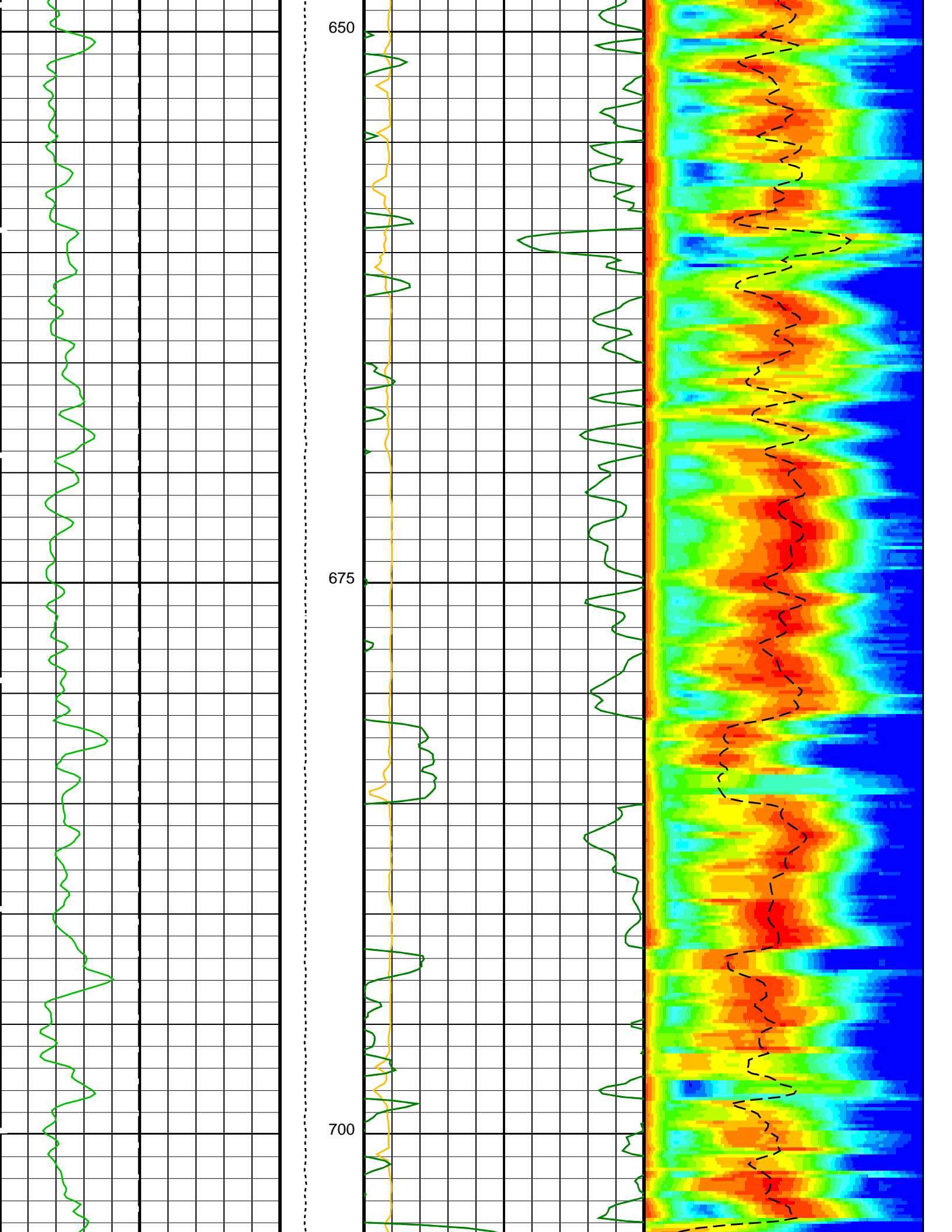


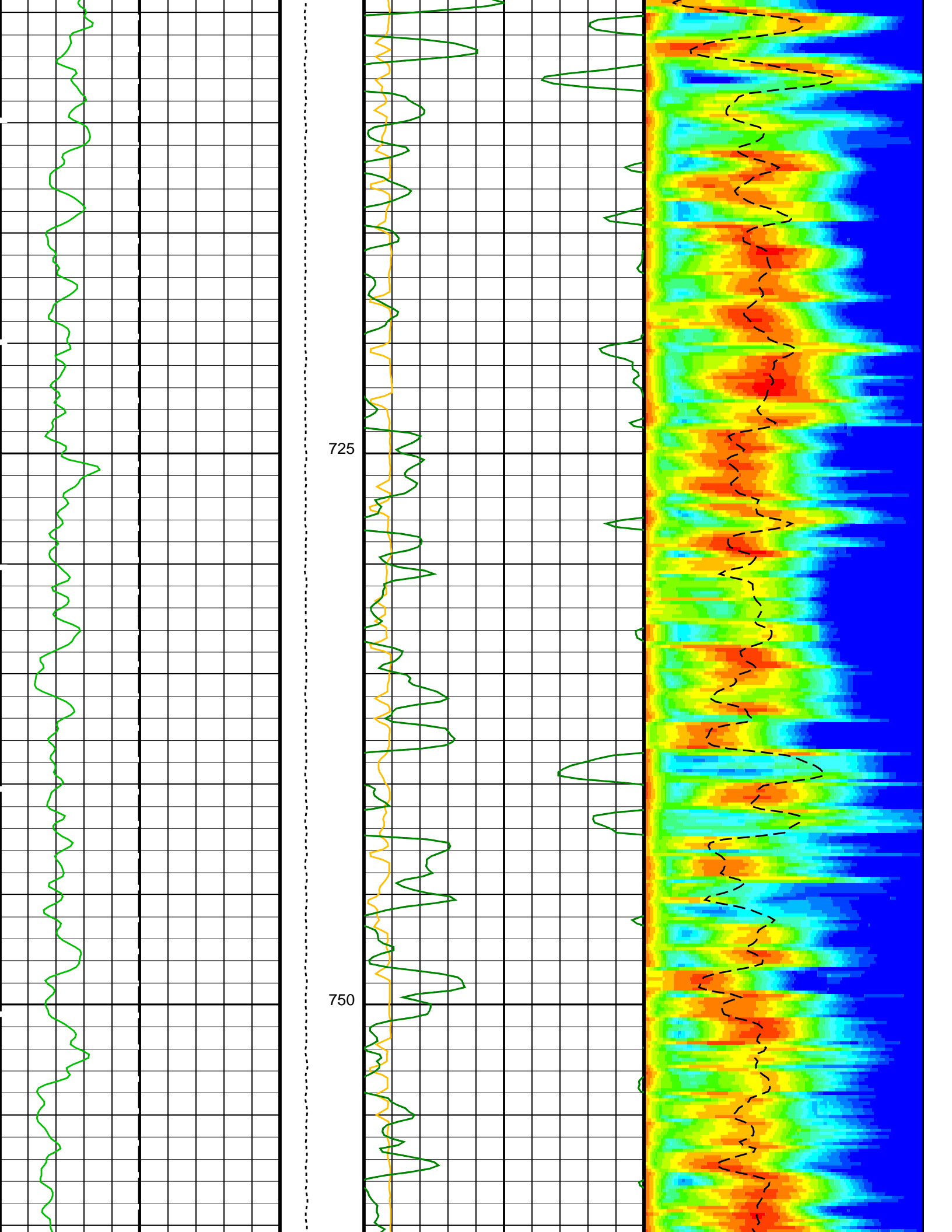


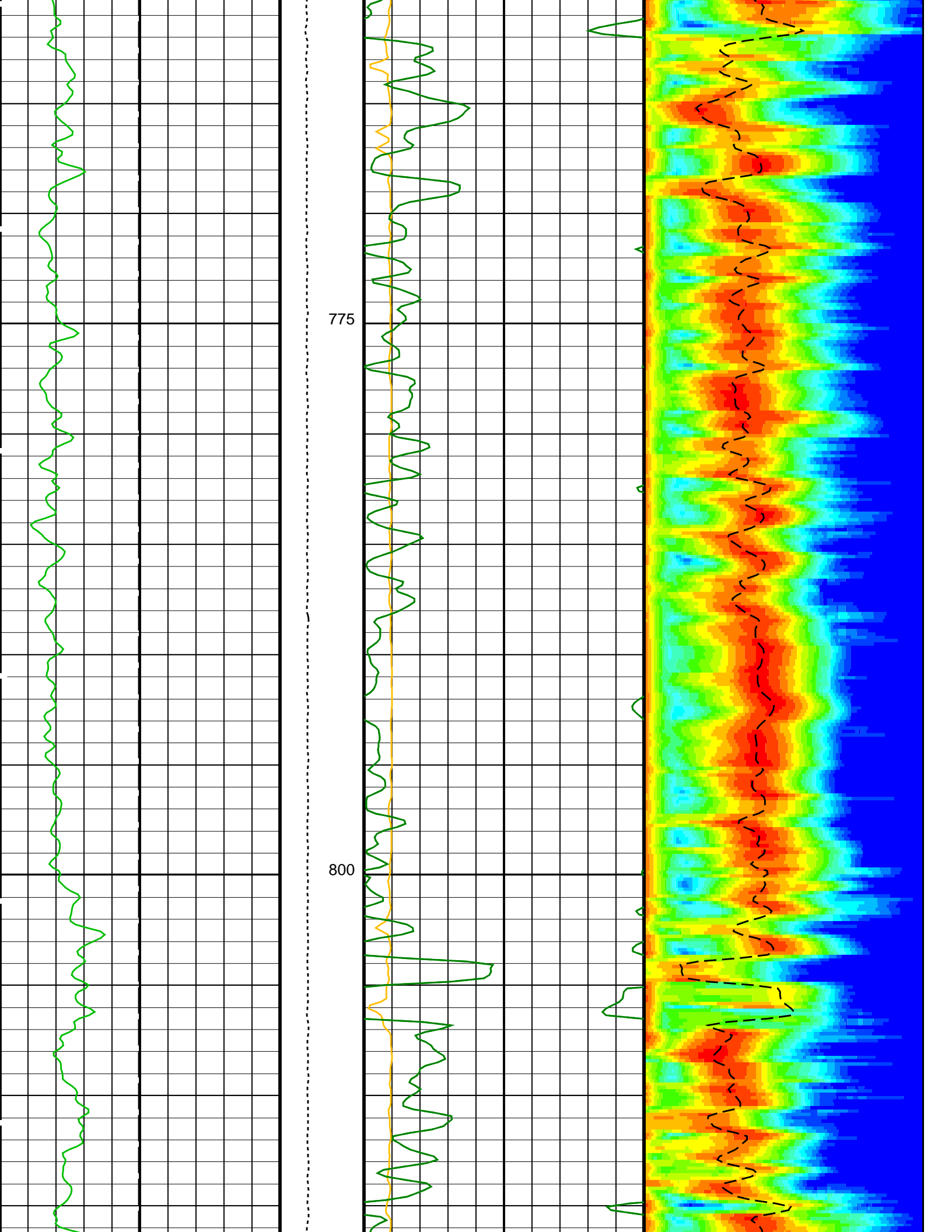


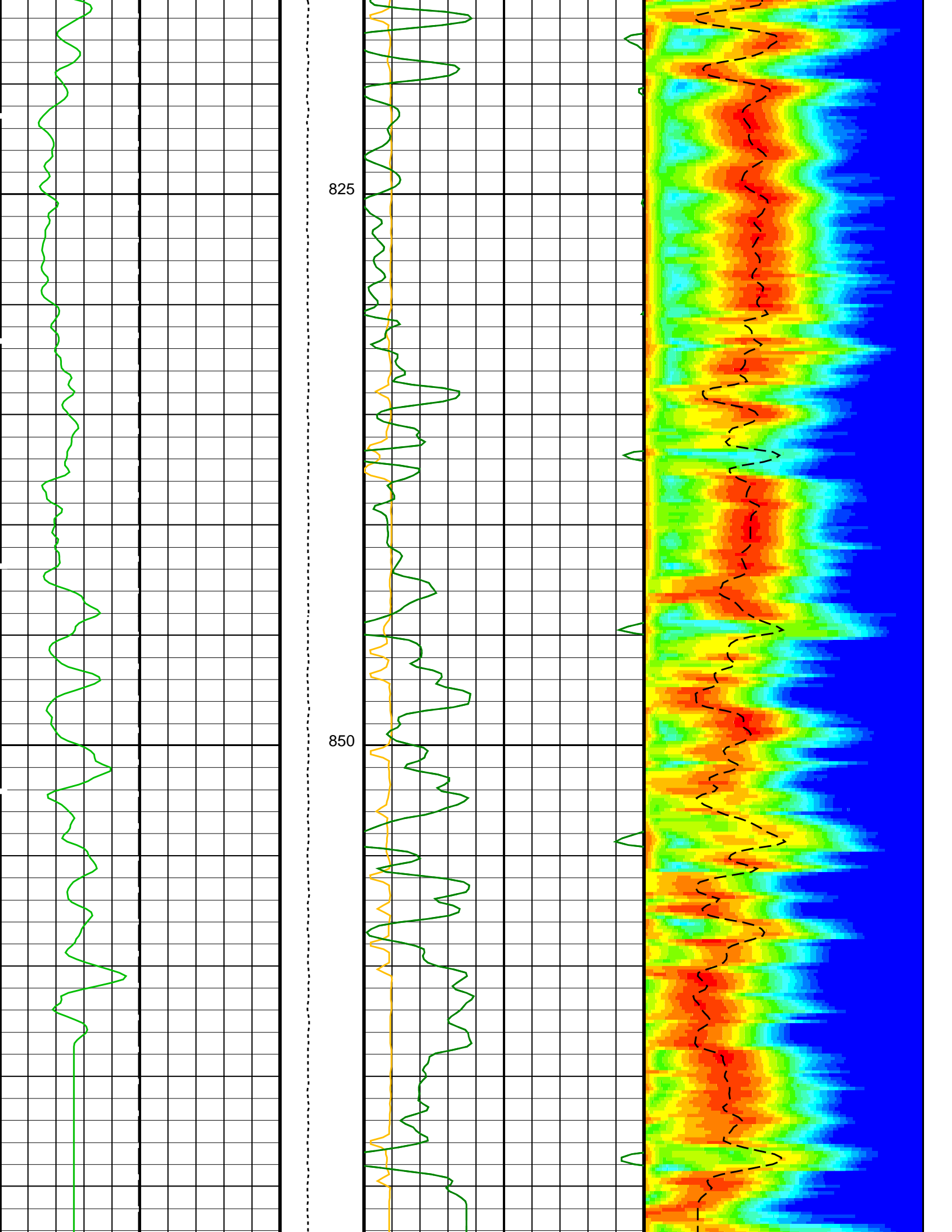


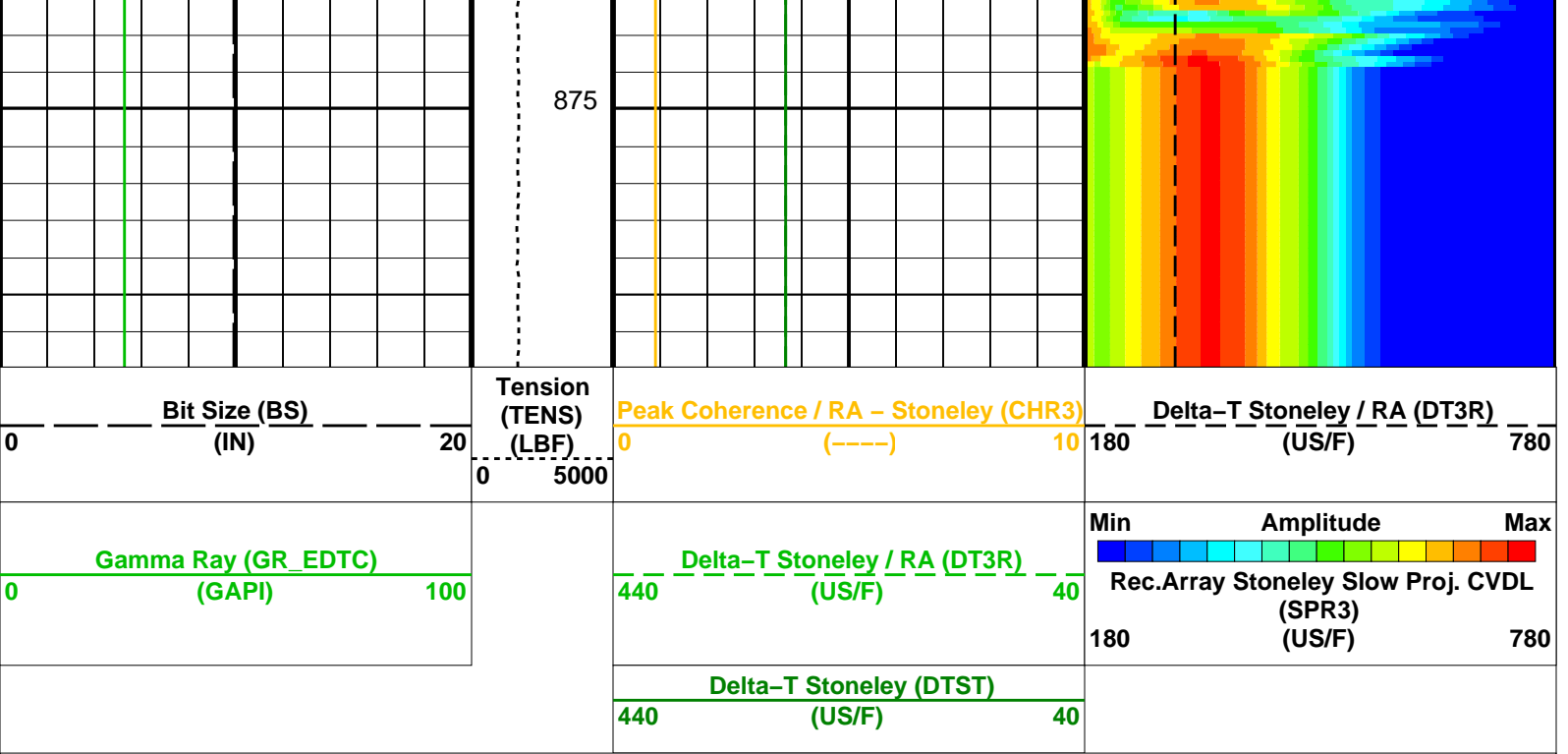












PIP SUMMARY

Time Mark Every 60 S

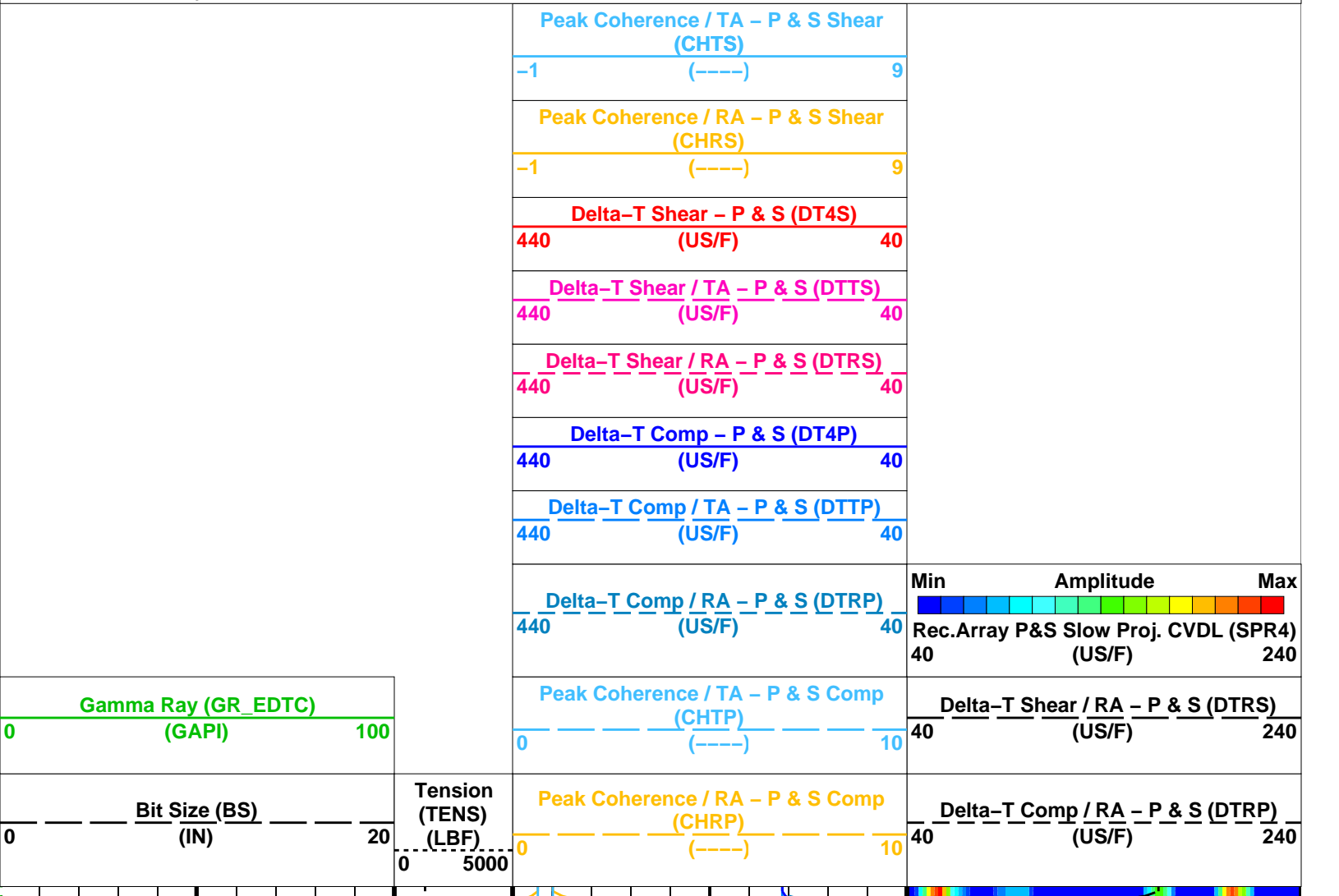
Parameters

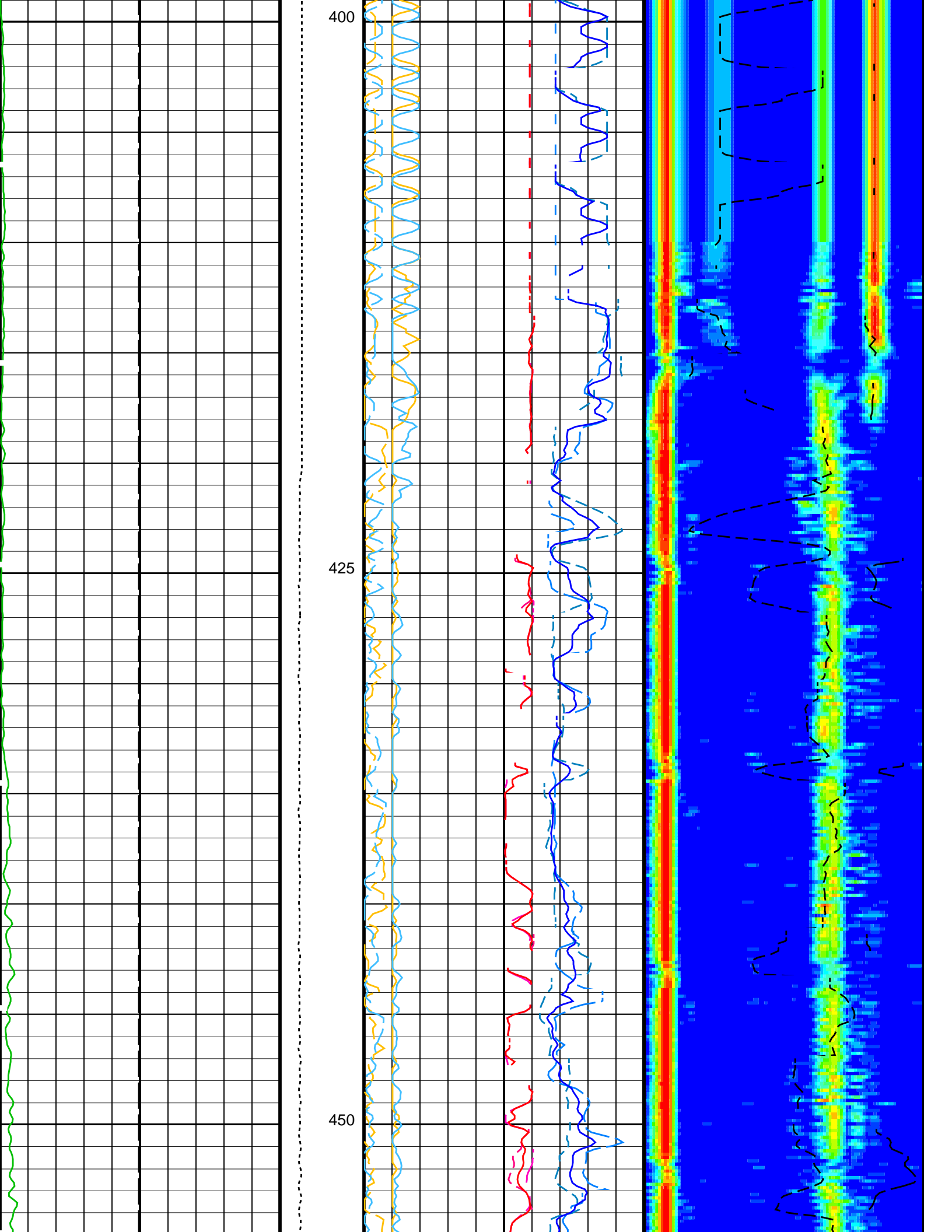
DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE3	Digitizing Delay 3	0	US
DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	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
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SBO3	STC Search Band Offset – Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth – Monopole Stoneley	6000	US
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TLL3	STC Time Lower Limit – Monopole Stoneley	620	US
TST3	STC Time Step – Monopole Stoneley	200	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12020	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWI3	STC Integration Time Window – Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

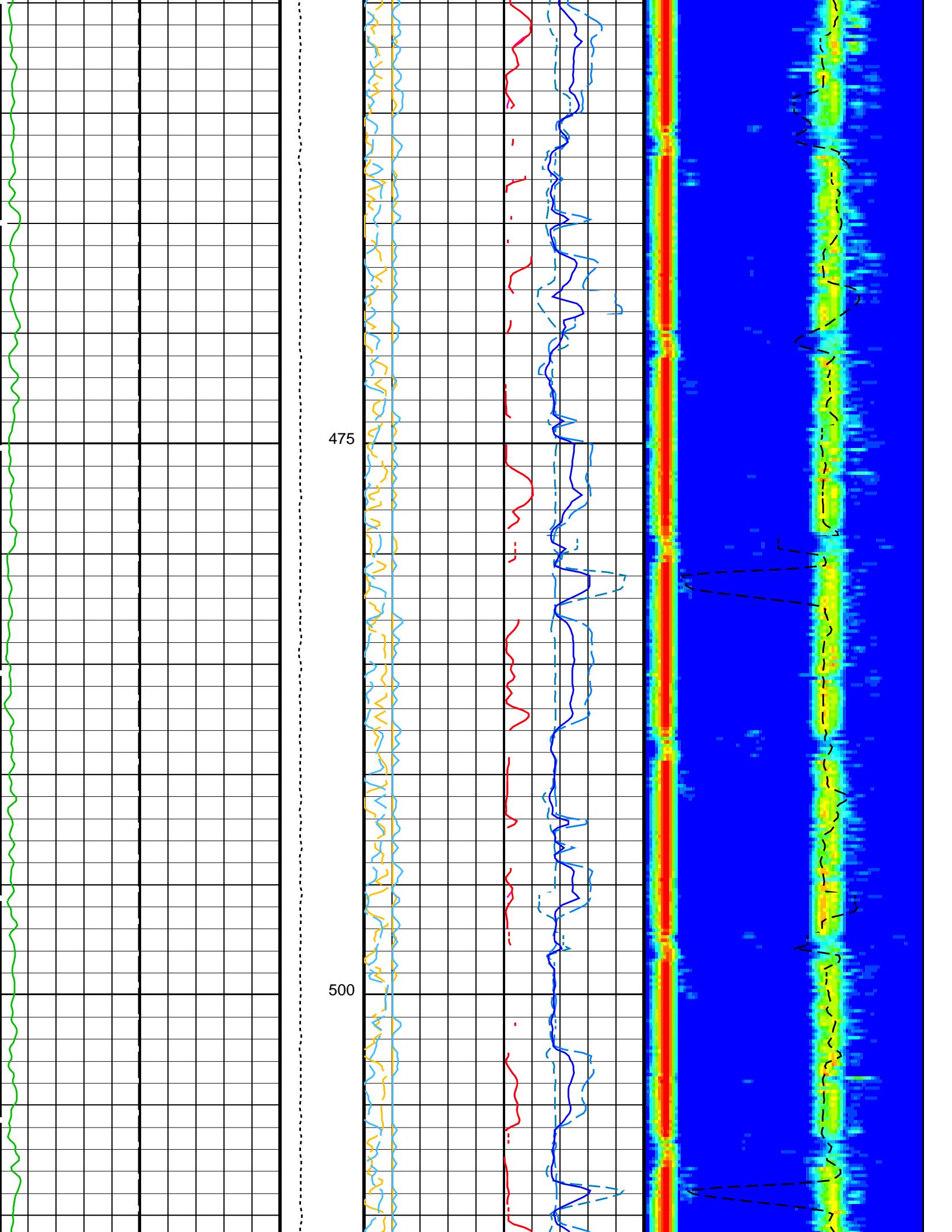
OP System Version: 19C0–187						
DSST–B	19C0–187	EDTC–B	SKK–5169–EDTCB			
Input DLIS Files						
DEFAULT	Flip_DSI_023LUP	PRODUCER	27–Nov–2015 19:03	881.9 M	398.7 M	
Output DLIS Files						
DEFAULT	DSI_024PUP	FN:29	PRODUCER	27–Nov–2015 19:04		

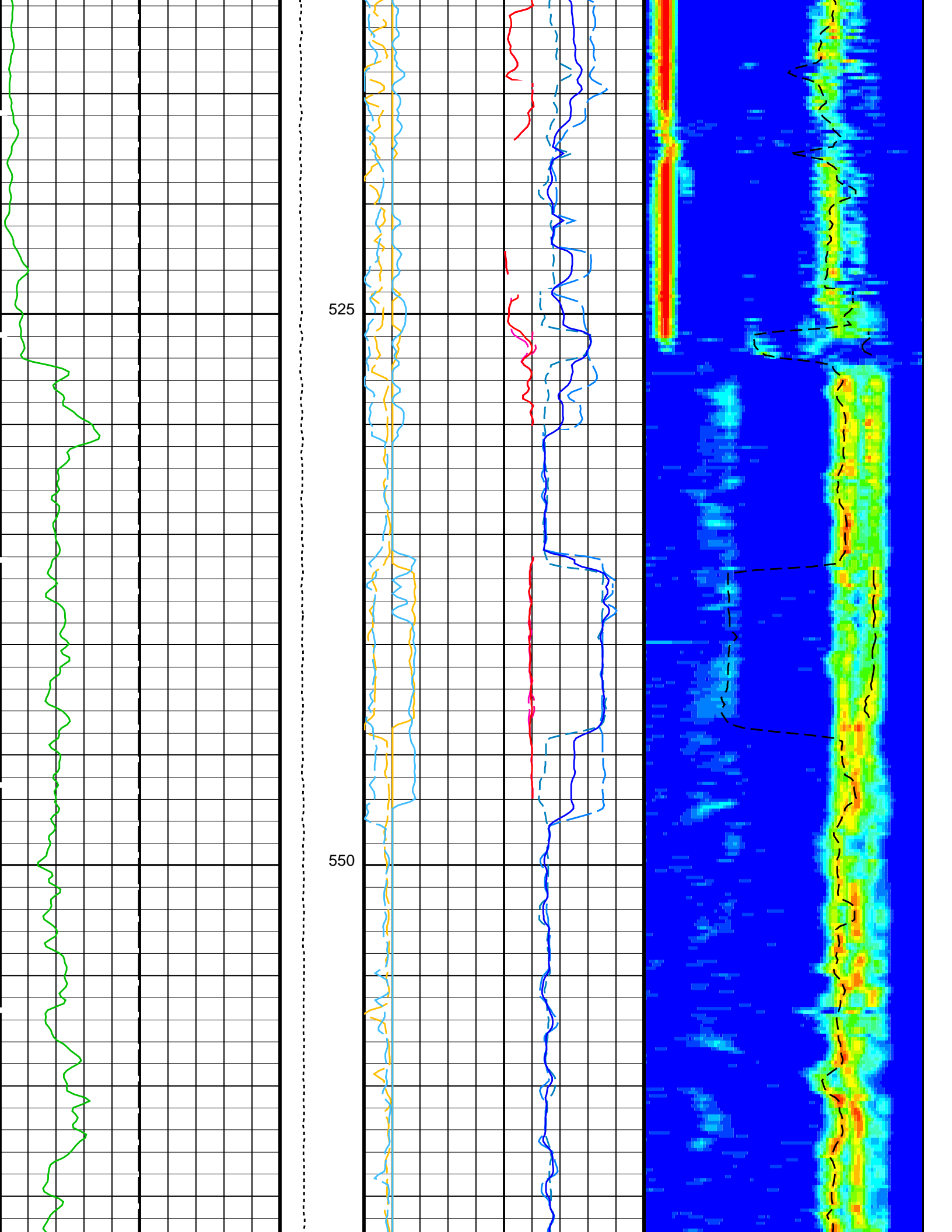
Company: International Ocean Discovery Program			Well: Expedition 359, Site U1471E		
Input DLIS Files					
DEFAULT	Flip_DSI_023LUP	PRODUCER	27-Nov-2015 19:03	881.9 M	398.7 M
Output DLIS Files					
DEFAULT	DSI_024PUP	FN:29	PRODUCER	27-Nov-2015 19:04	881.9 M
OP System Version: 19C0-187					
DSST-B	19C0-187	EDTC-B	SKK-5169-EDTCB		

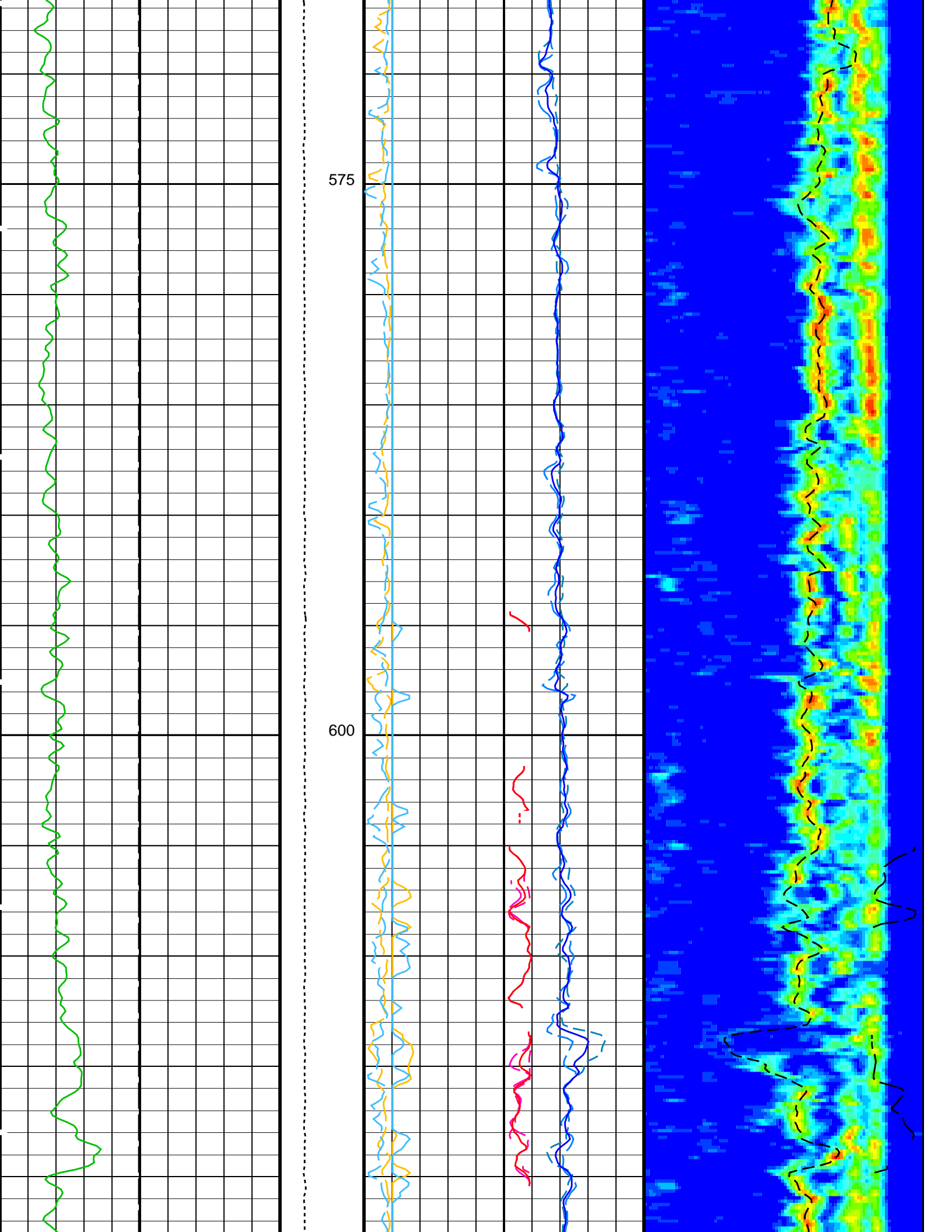
PIP SUMMARY					
Time Mark Every 60 S					

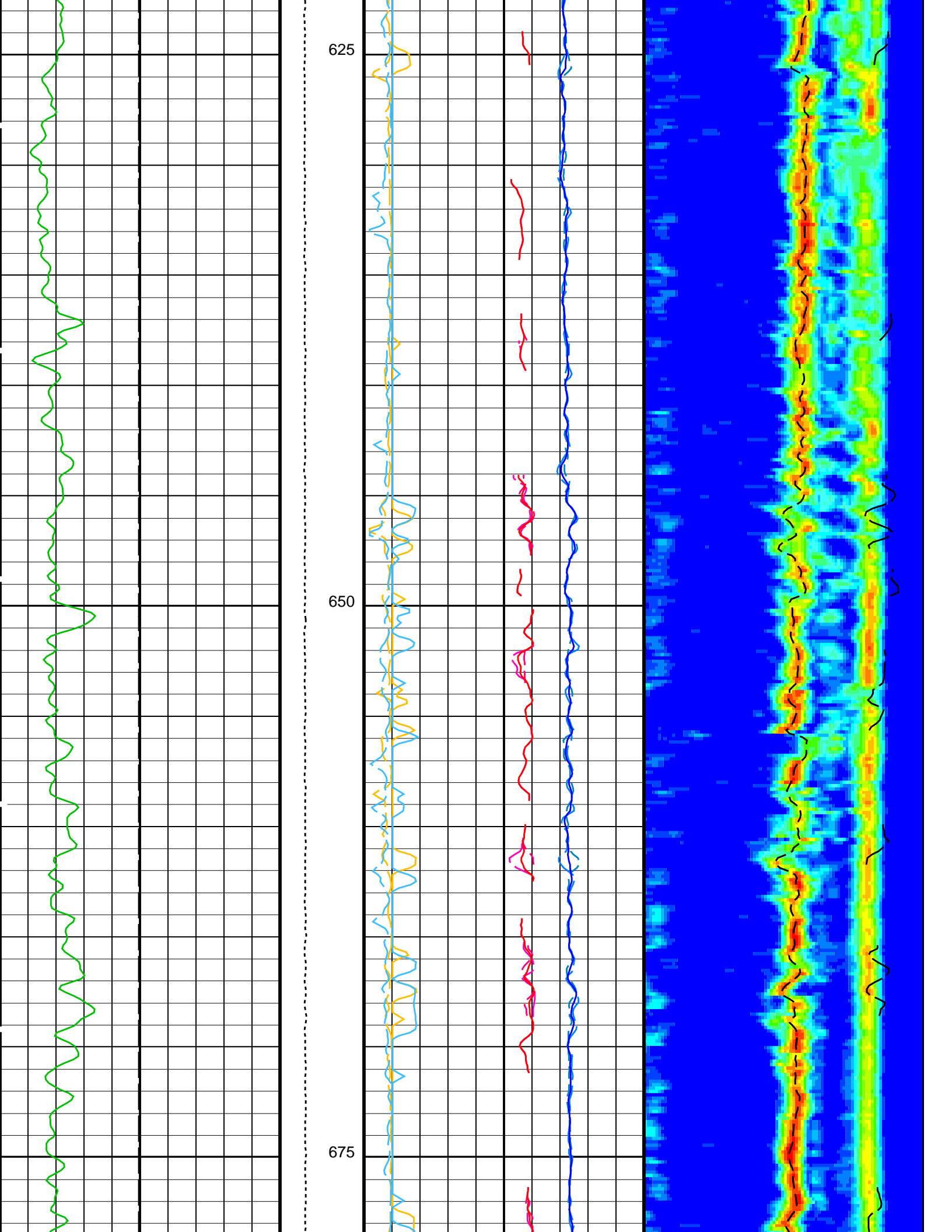


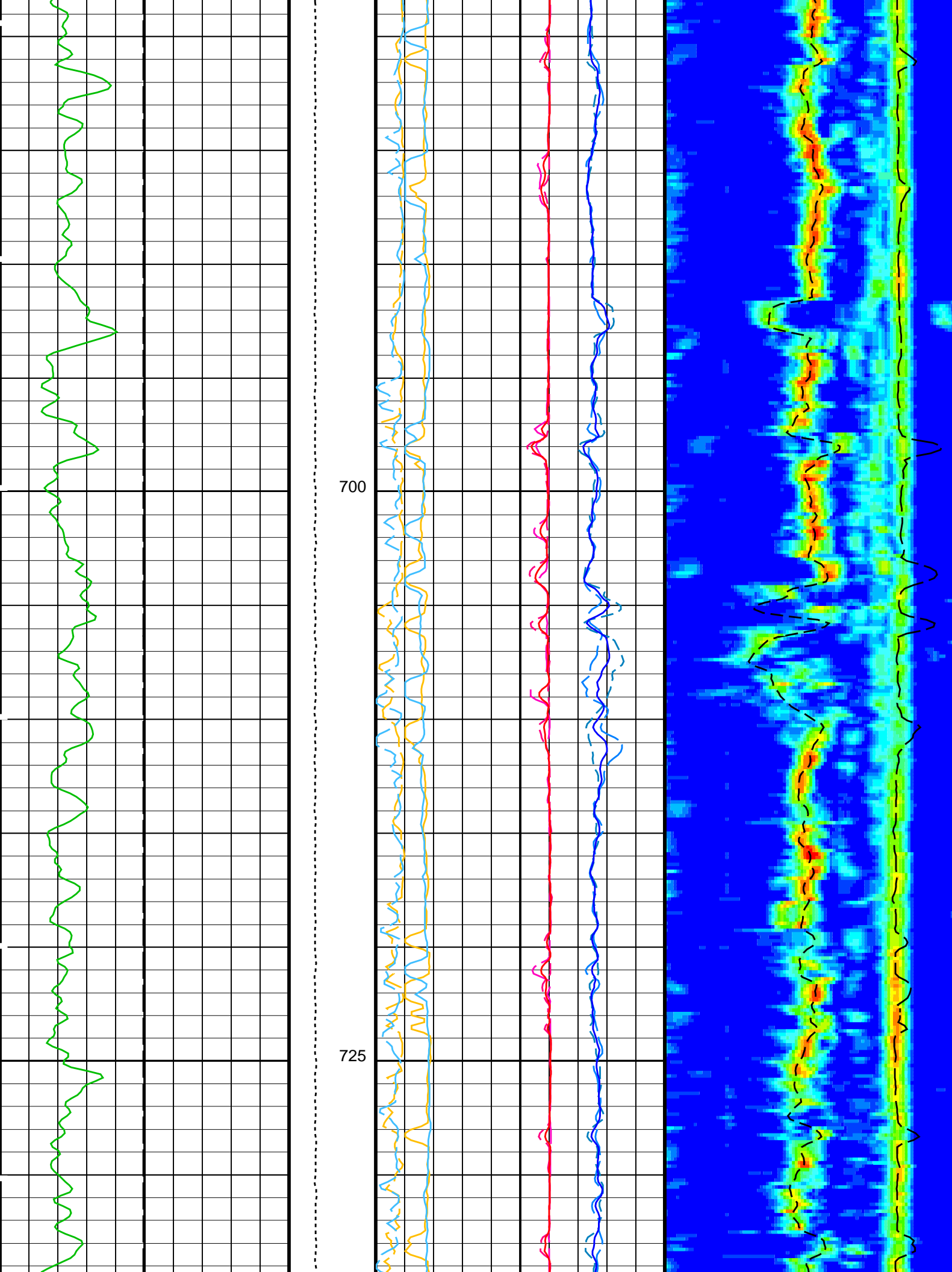


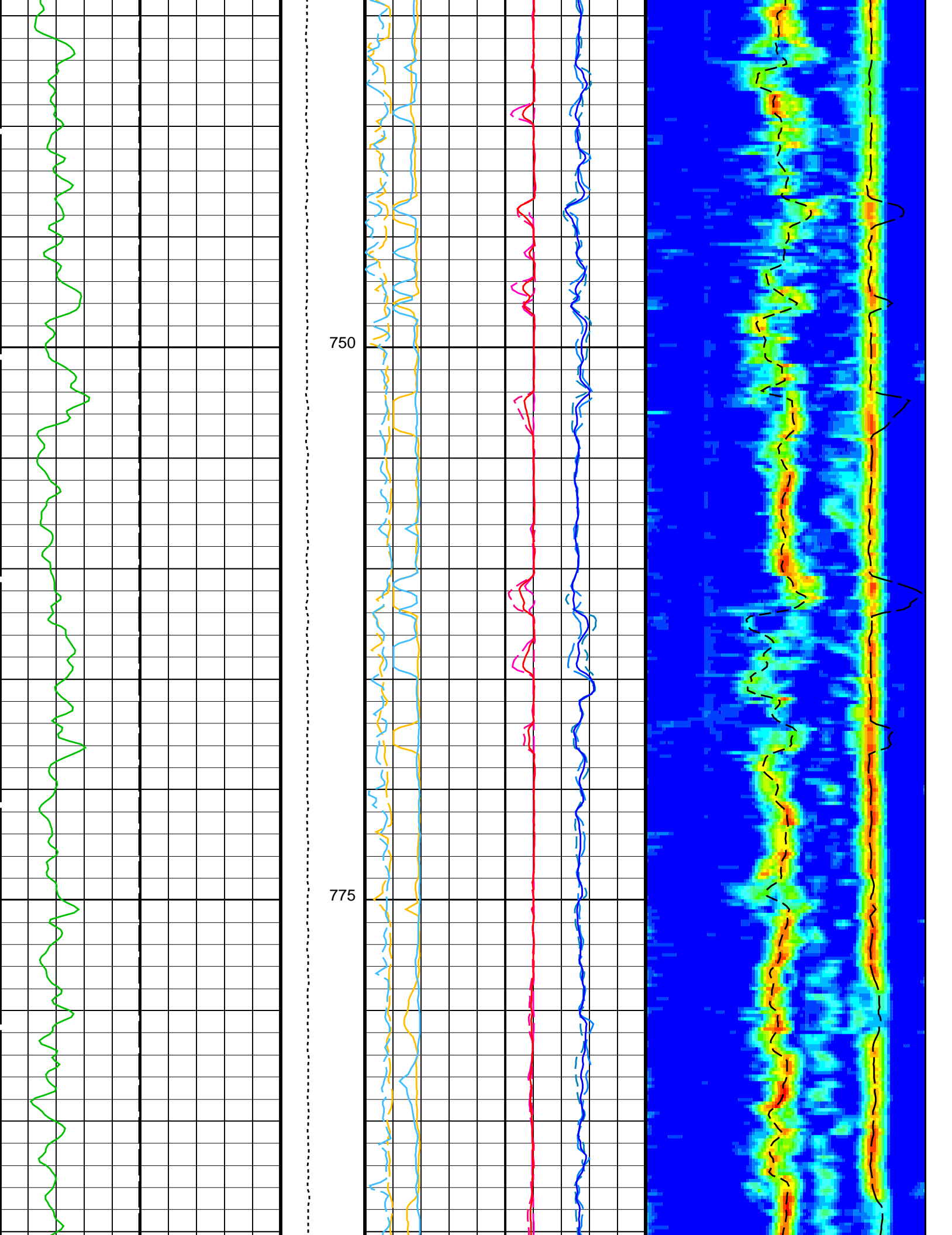


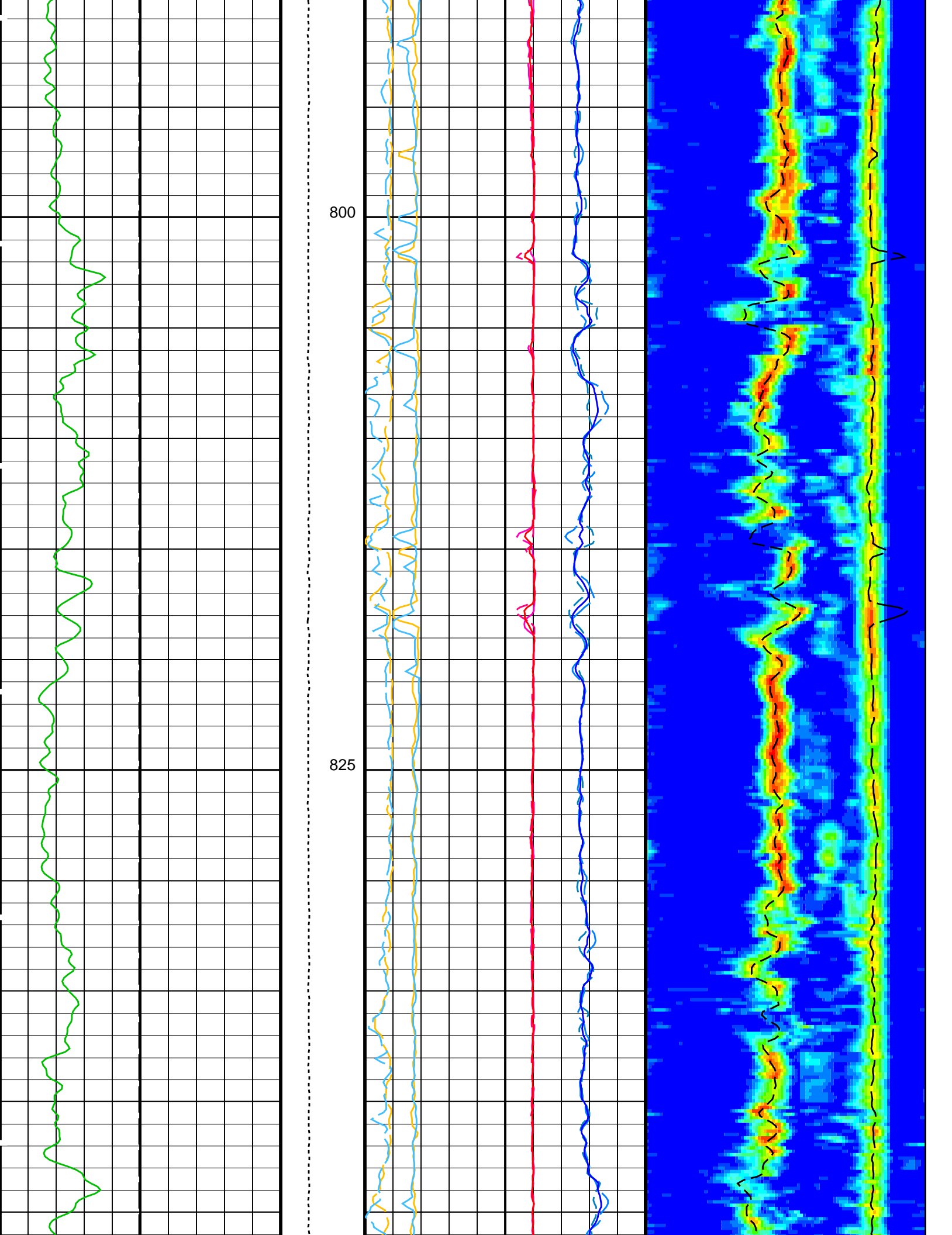


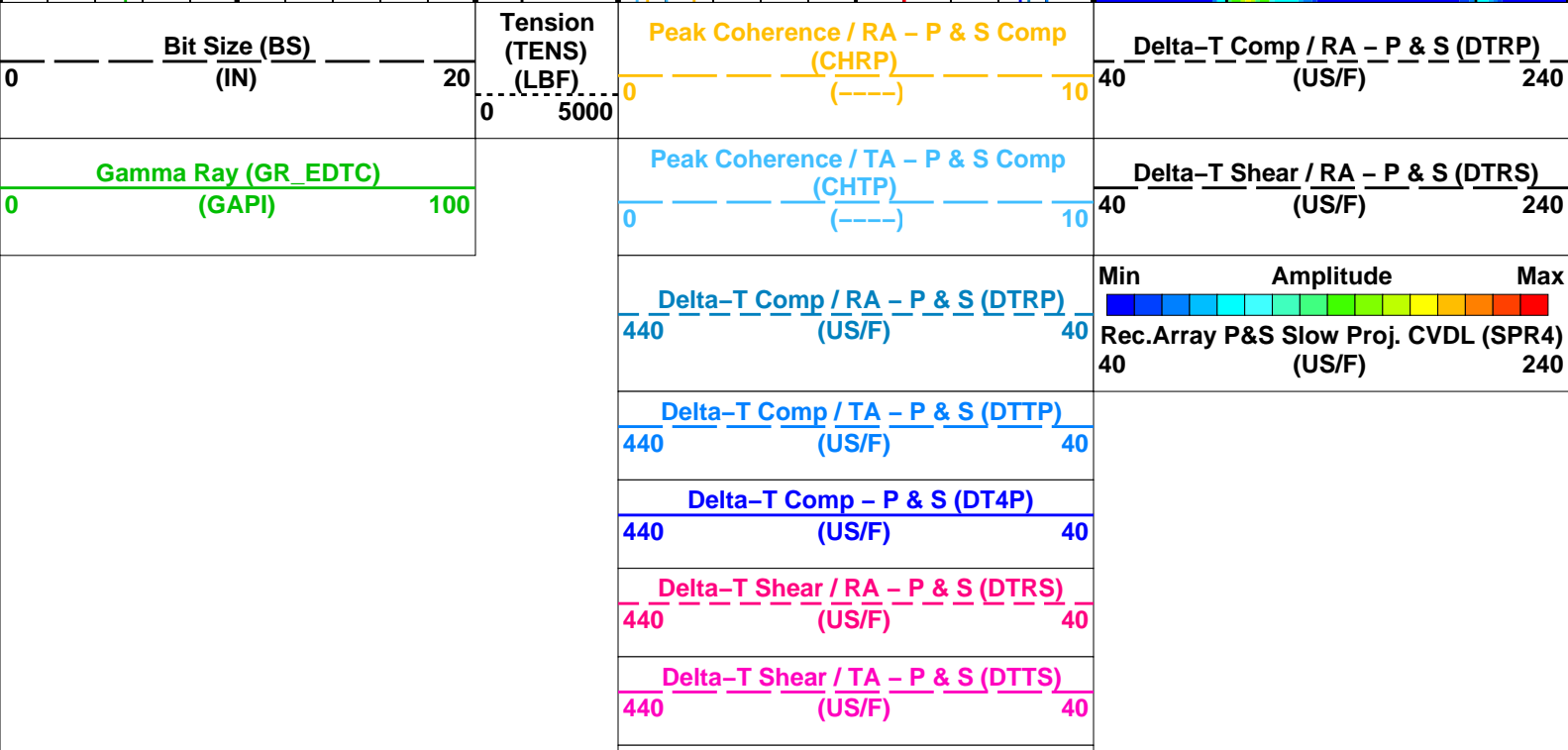
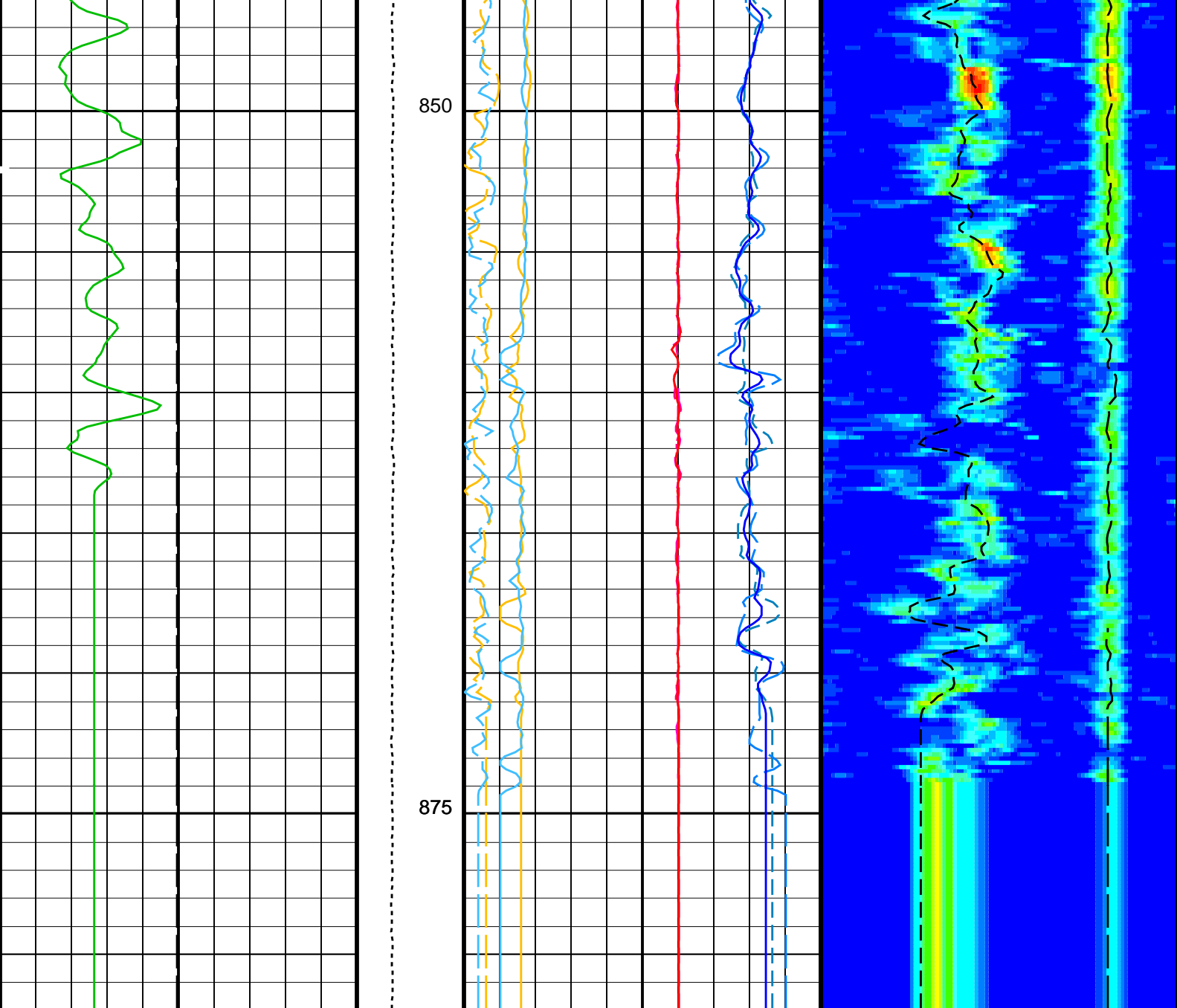












Delta-T Shear - P & S (DT4S)	
440	(US/F) 40
Peak Coherence / RA - P & S Shear (CHRS)	
-1	(----) 9
Peak Coherence / TA - P & S Shear (CHTS)	
-1	(----) 9

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
CASF	Label Casing Function – Monopole P&S	50	
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	65	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	195	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta-T Fluid	195	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	0	
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	195	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200

Graphics File Created: 27-Nov-2015 19:04

Input DLIS Files						
DEFAULT	Flip_DSI_023LUP	PRODUCER	27-Nov-2015 19:03	881.9 M	398.7 M	
Output DLIS Files						
DEFAULT	DSI_024PUP	FN:29	PRODUCER	27-Nov-2015 19:04		

DEFAULT	DSI_024PUP	FN:29	PRODUCER	27-Nov-2015 19:04
---------	------------	-------	----------	-------------------









MAXIS Field Log

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 26–Nov–2015 0:24							
EDTC Z–Axis Acceleration	9.810	N/A	9.824	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 26–Nov–2015 0:26 After: 26–Nov–2015 6:25							
Gamma Ray (Jig – Bkg)	163.8	N/A	163.8	162.7	–1.099	14.89	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	163.9	–1.107	15.00	GAPI

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

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.824
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	

Before: 26-Nov-2015 0:24

Enhanced DTS Cartridge Wellsite Calibration														
Detector Calibration														
Phase	Gamma Ray Background		GAPI	Value	Phase	Gamma Ray (Jig – Bkg)		GAPI	Value	Phase	Gamma Ray (Calibrated)		GAPI	Value
Before				1.234	Before				163.8	Before				165.0
After				1.200	After				162.7	After				163.9
0 30.00 120.0					148.9 163.8 178.7					150.0 165.0 180.0				
(Minimum) (Nominal) (Maximum)					(Minimum) (Nominal) (Maximum)					(Minimum) (Nominal) (Maximum)				
Before: 26–Nov–2015 0:26					After: 26–Nov–2015 6:25									

Company: International Ocean Discovery Program

Schlumberger

Well: Expedition 359, Site U1471E

Field: Maldives Monsoon & Sea Level

Rig: JOIDES Resolution

Country:

Dipole Shear Sonic Imager (DSI)