

Company: Lamont Doherty

Well: Expedition 339, Site U1389 GC-11A Hole E
Field: Mediterranean Outflow (Portugal)
Rig: JOIDES Resolution Ocean: Atlantic

Dipole Shear Sonic Imager
 P&S Compressional, Dipole Shear
 Gamma Ray

Rig: JOIDES Resolution
Field: Mediterranean Outflow (Portugal)
Location: Latitude: N 36° 25.517'
Well: Expedition 339, Site U1389 GC-11A
Company: Lamont Doherty

LOCATION			
Latitude: N 36° 25.517'	Elev.:	K.B.	11.00 m
Longitude: W 7° 16.688'		G.L.	-644.00 m
		D.F.	11.00 m
Permanent Datum: _____	Mean Sea Level _____	Elev.:	0.00 m _____
Log Measured From: _____	Drill Floor _____		11.00 m above Perm. Datum
Drilling Measured From: _____	Drill Floor _____		
API Serial No. _____	Max. Hole Devi. _____	Longitude	Latitude
	0 deg	W 7.2781*	N 36.42528*

Logging Date	2-Jan-2012		
Run Number	1		
Depth Driller	990 m		
Schlumberger Depth	557 m		
Bottom Log Interval	557 m		
Top Log Interval	0 m		
Casing Driller Size @ Depth	10.750 in	@	102 m
Casing Schlumberger	102 m		
Bit Size	9.875 in		
Type Fluid In Hole	Seawater Gel		
Density	Viscosity		
Fluid Loss	PH		
Source Of Sample	N/A		
RM @ Measured Temperature		@	@
RMF @ Measured Temperature		@	@
RMC @ Measured Temperature		@	@
Source RMF	RMC	N/A	N/A
RM @ MRT	RMF @ MRT	@ 21	@ 21
Maximum Recorded Temperatures	21 degC		
Circulation Stopped	Time	1-Jan-2012	21:00
Logger On Bottom	Time	2-Jan-2012	2:30
Unit Number	Location	625003	Houston
Recorded By	K. Swain		
Witnessed By	T. Williams, J. Lofi		

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			
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

R

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.

OTHER SERVICES1
OS1: FMS
OS2: APS/HNGS
OS3: HLDS
OS4: HRLA
OS5:

OTHER SERVICES2
OS1:
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 1

REMARKS: RUN NUMBER 2

Hole GC-11A Hole E was drilled with a 9 7/8" RCB bit to TDD of 990 mbsf.
This log originally acquired in measured depth from rig floor but played back for sea floor reference.

A playback was produced and listed on the log for caliper input for hole size. The original logs were acquired with bit size as the hole size assumption. Barite mud ID was used in the playback and not on the original log. All logs recorded via wireline thru 5-5.5" drillpipe and RCB coring BHA consisting of a bit release sub, Kinley sub, drill collars. The bit was released prior to logging.

DSI using SAM1, SAM2 standard frequency for dipole shear transmitters.
DSI using SAM4 standard frequency for monopole P&S compressional.

RUN 1
SERVICE ORDER #: 19C0-187
PROGRAM VERSION:
FLUID LEVEL:

RUN 2
SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP



LOGGED INTERVAL	START	STOP

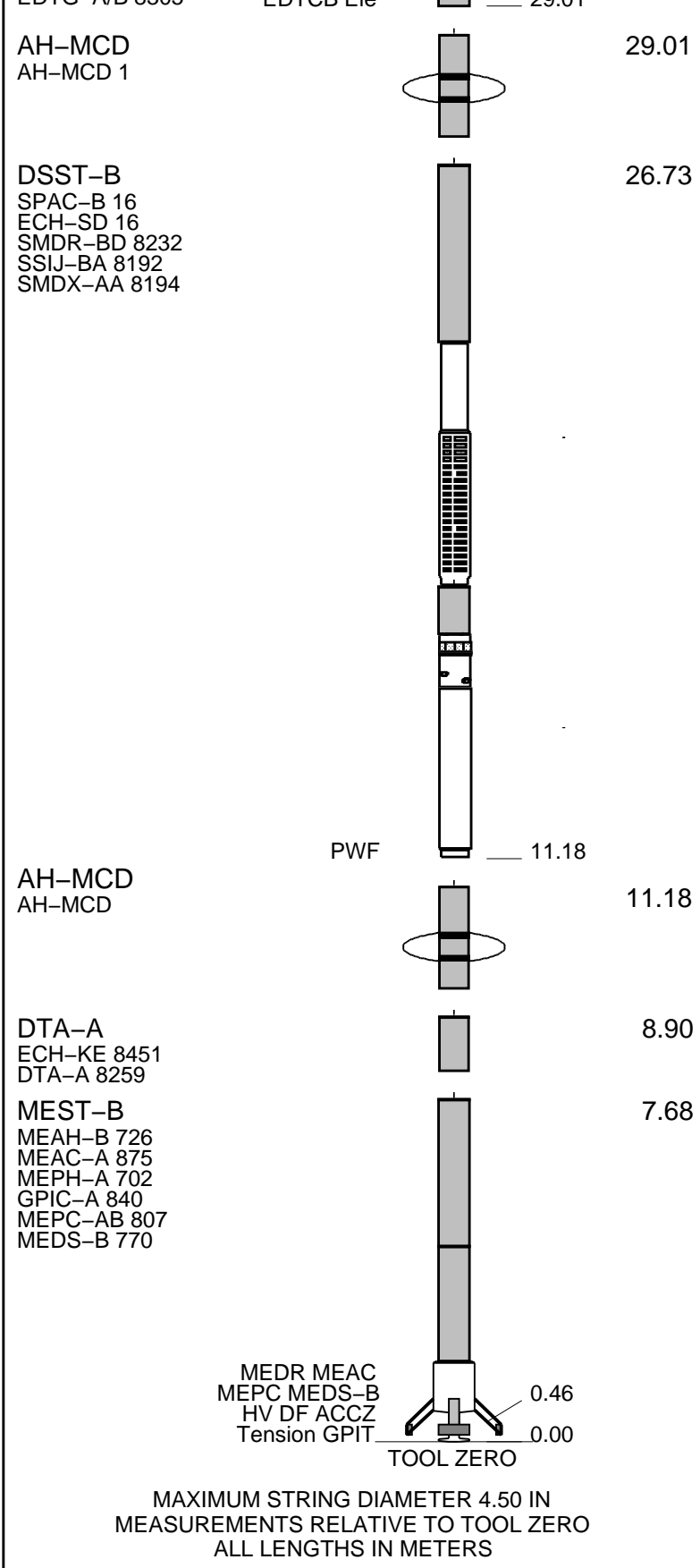
EQUIPMENT DESCRIPTION

RUN 1
SURFACE EQUIPMENT
WITM (EDTS)-A

RUN 2

DOWNHOLE EQUIPMENT

LEH-QT	MDSB_EDTC		31.88
LEH-QT 301	Mud Tempe		30.99
	CTEM		29.92
EDTC-B	Gamma Ray		30.99
EDTH-B 8303	EFTB DIAG		29.35
EDTC-B 8317	TelStatus		
EDTG-A/B 8305	EDTCB Fla		29.01



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

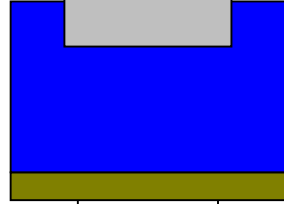
Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

-655

-655

-645



4.1



0

3.80

102.2

9.875

Sea Floor

Open Hole

990

Total Depth

Input DLIS Files

DEFAULT	FMS_DSI_037LUP	FN:38	PRODUCER	02-Jan-2012 12:51	1180.2 M	643.9 M
---------	----------------	-------	----------	-------------------	----------	---------

Output DLIS Files

DEFAULT	FMS_DSI_039PUP	FN:42	PRODUCER	02-Jan-2012 14:15	527.2 M	-9.1 M
BACKUPDLIS	FMS_DSI_039PUP	FN:43	PRODUCER	02-Jan-2012 14:15	527.2 M	-9.1 M

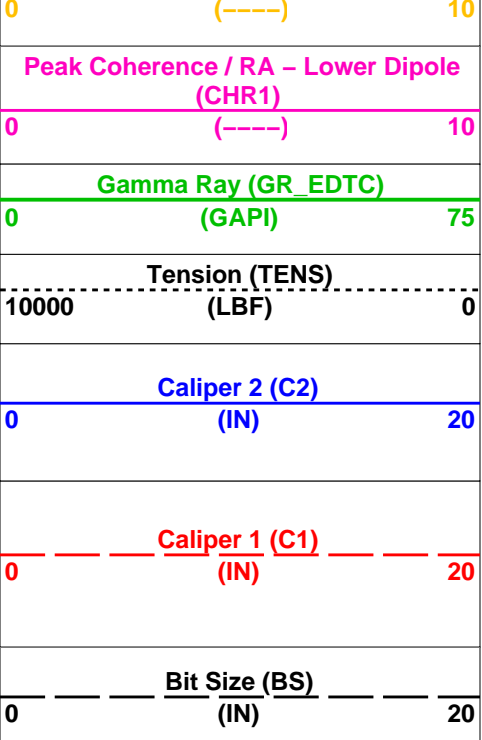
OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	EDTC-B	19C0-187

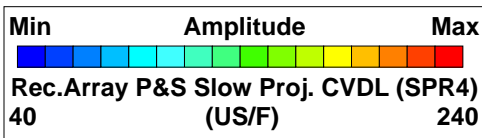
PIP SUMMARY

Time Mark Every 60 S

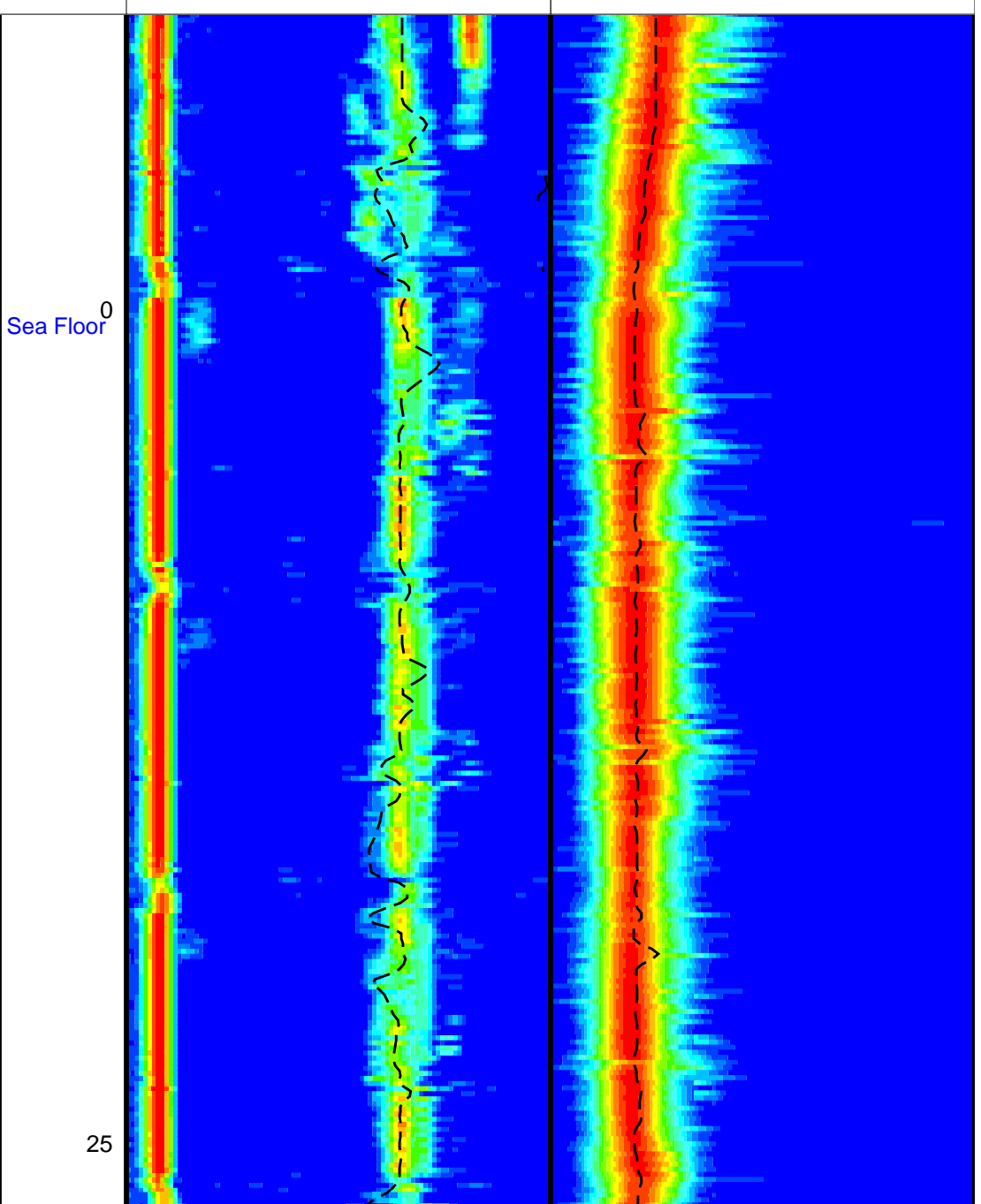
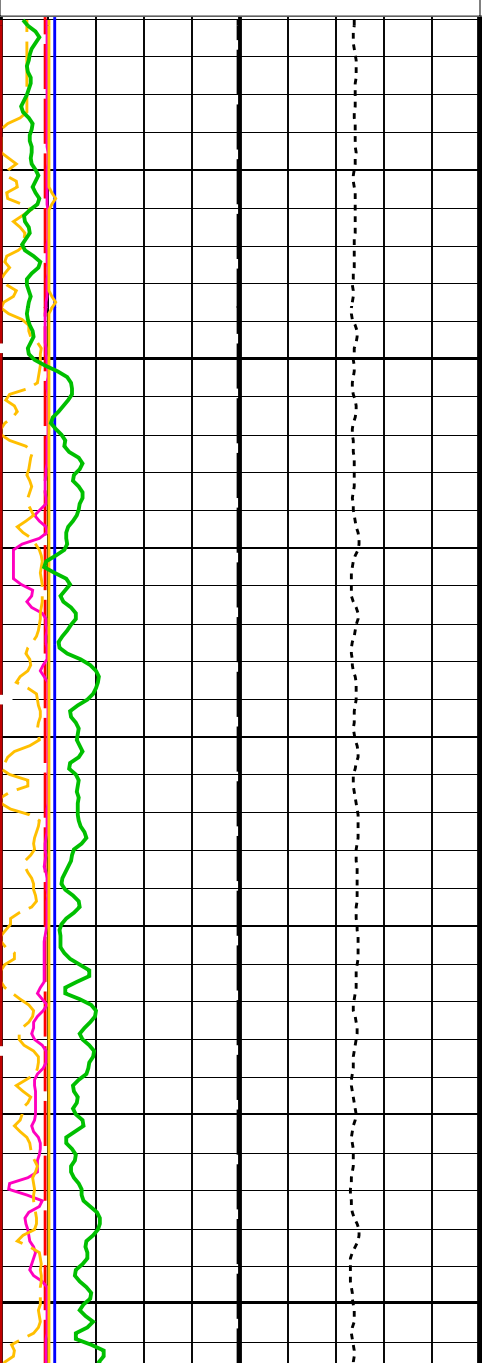
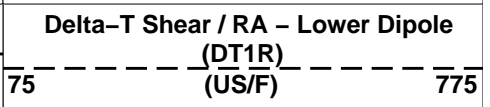
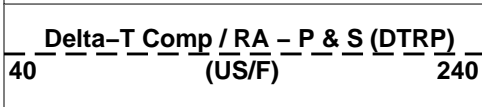
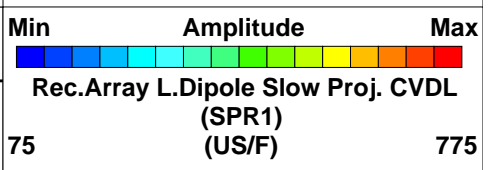
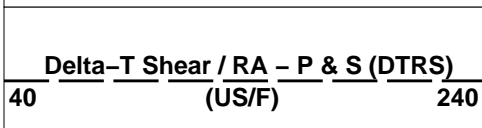
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----)	10
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / RA - P & S Comp (CHRP)		

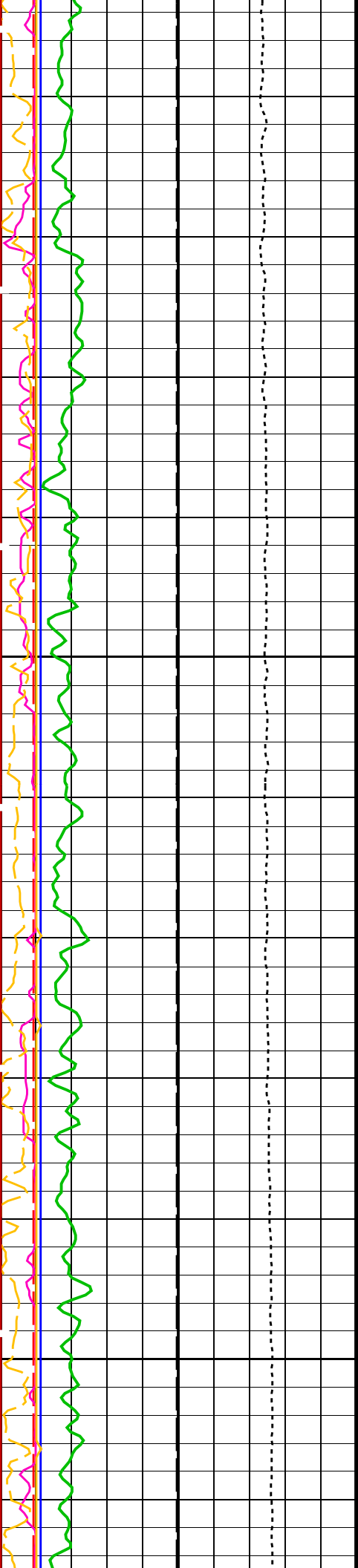


2nd Pass, Sea Floor Depth Reference



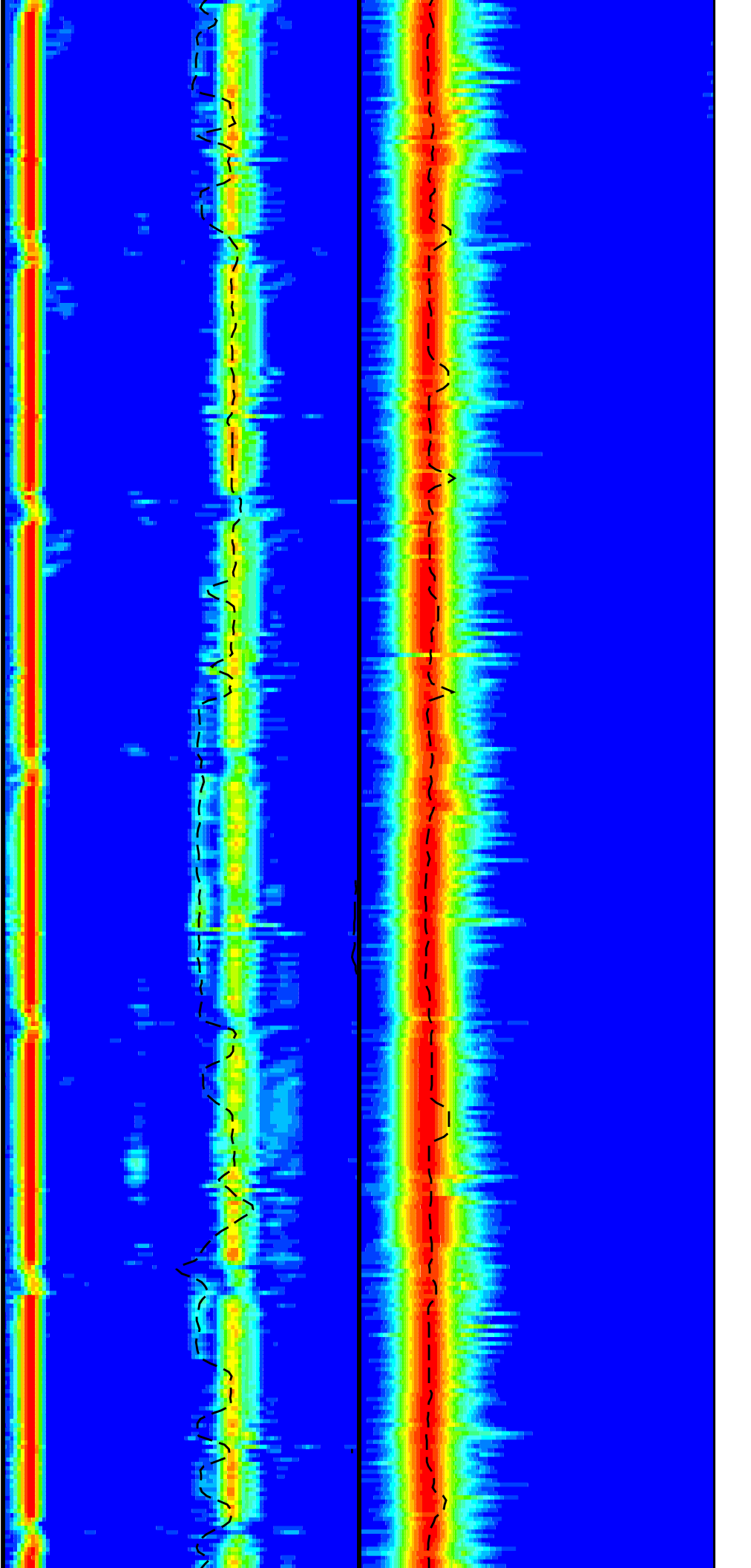
Standard frequency lower dipole

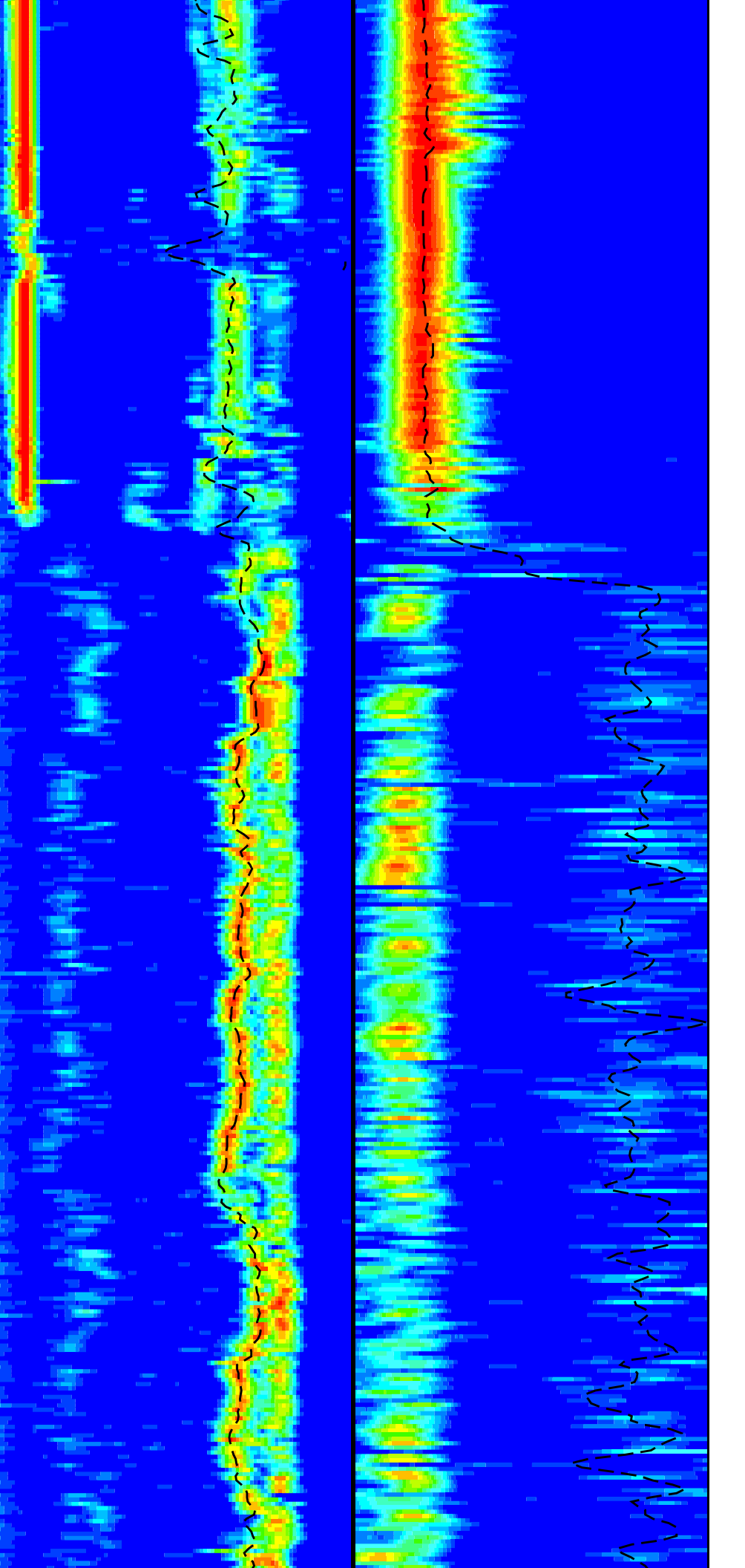
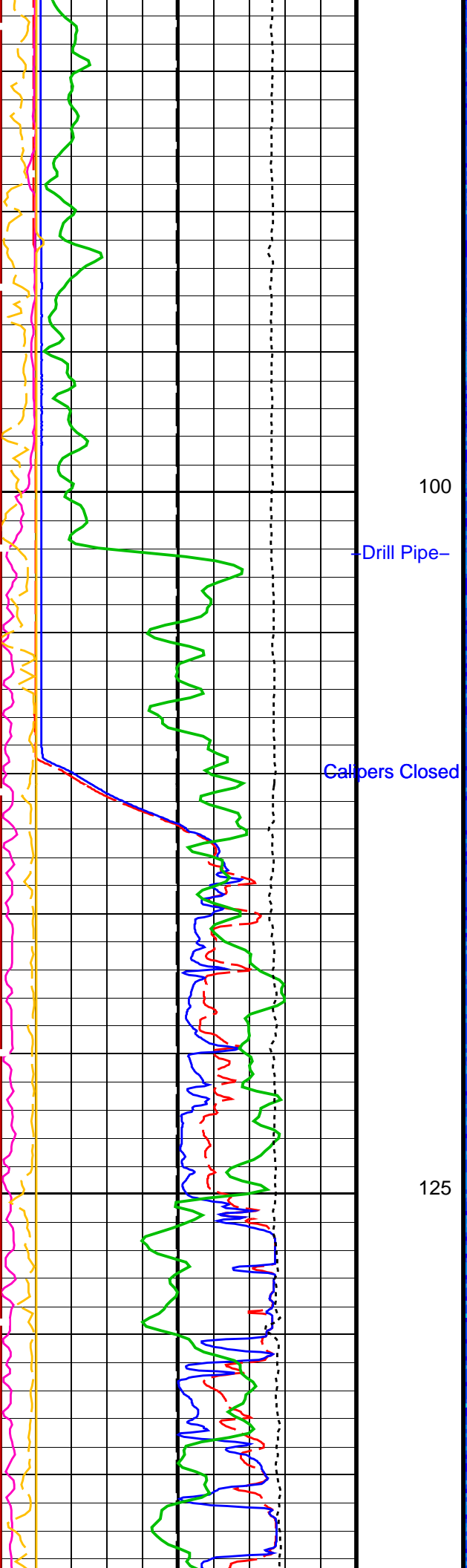


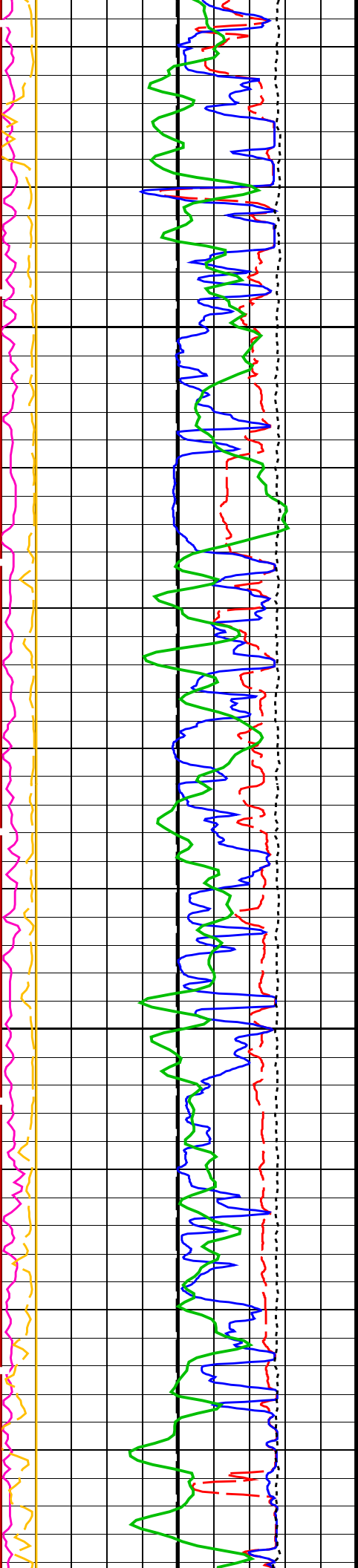


50

75

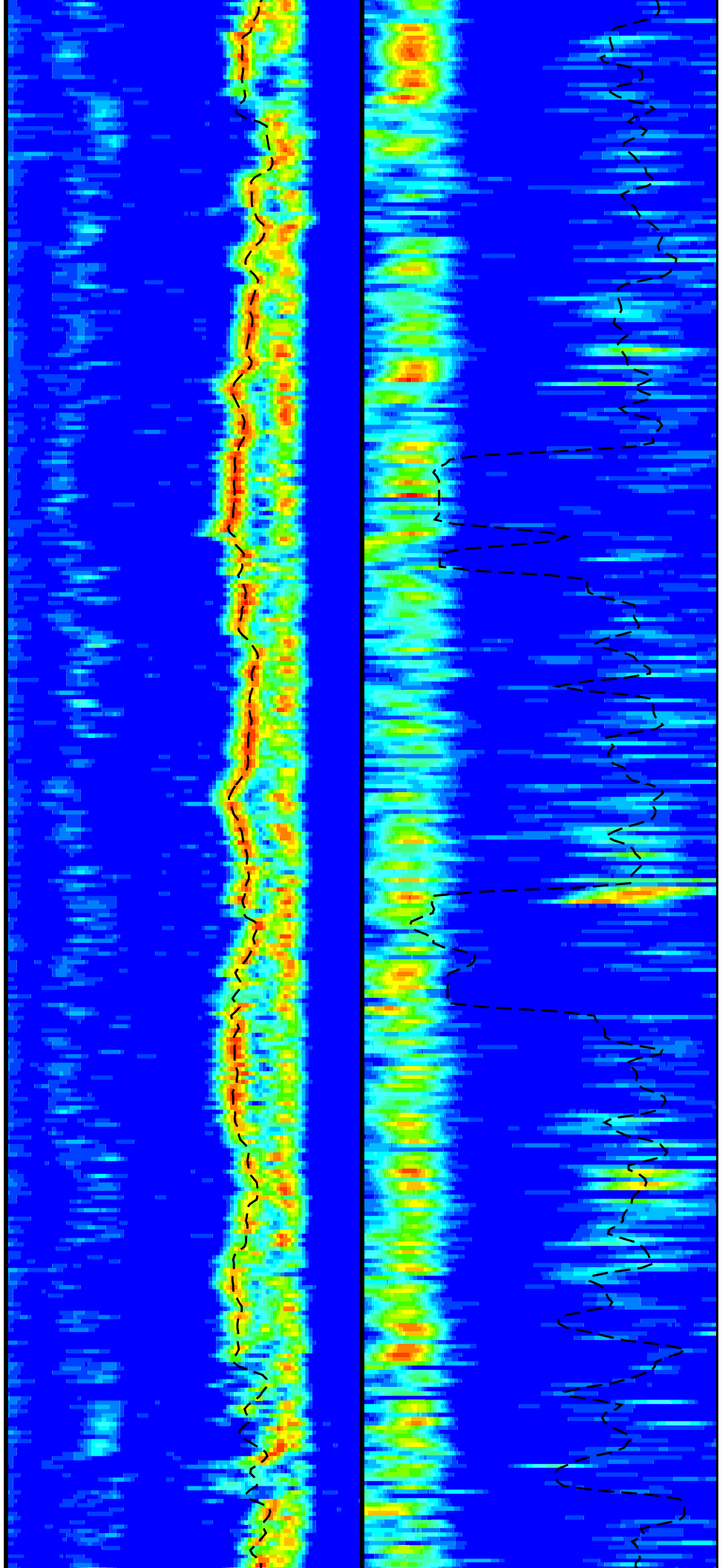


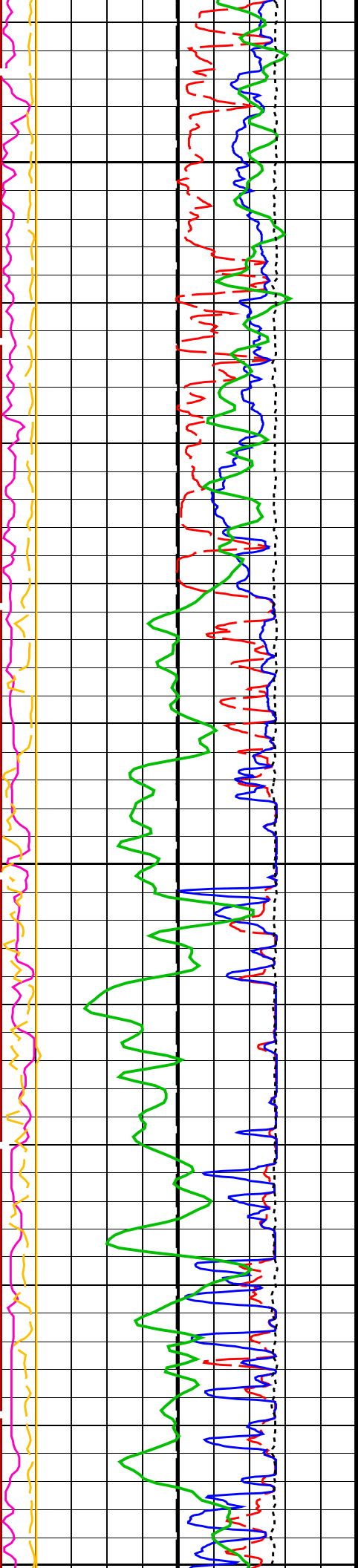




150

175

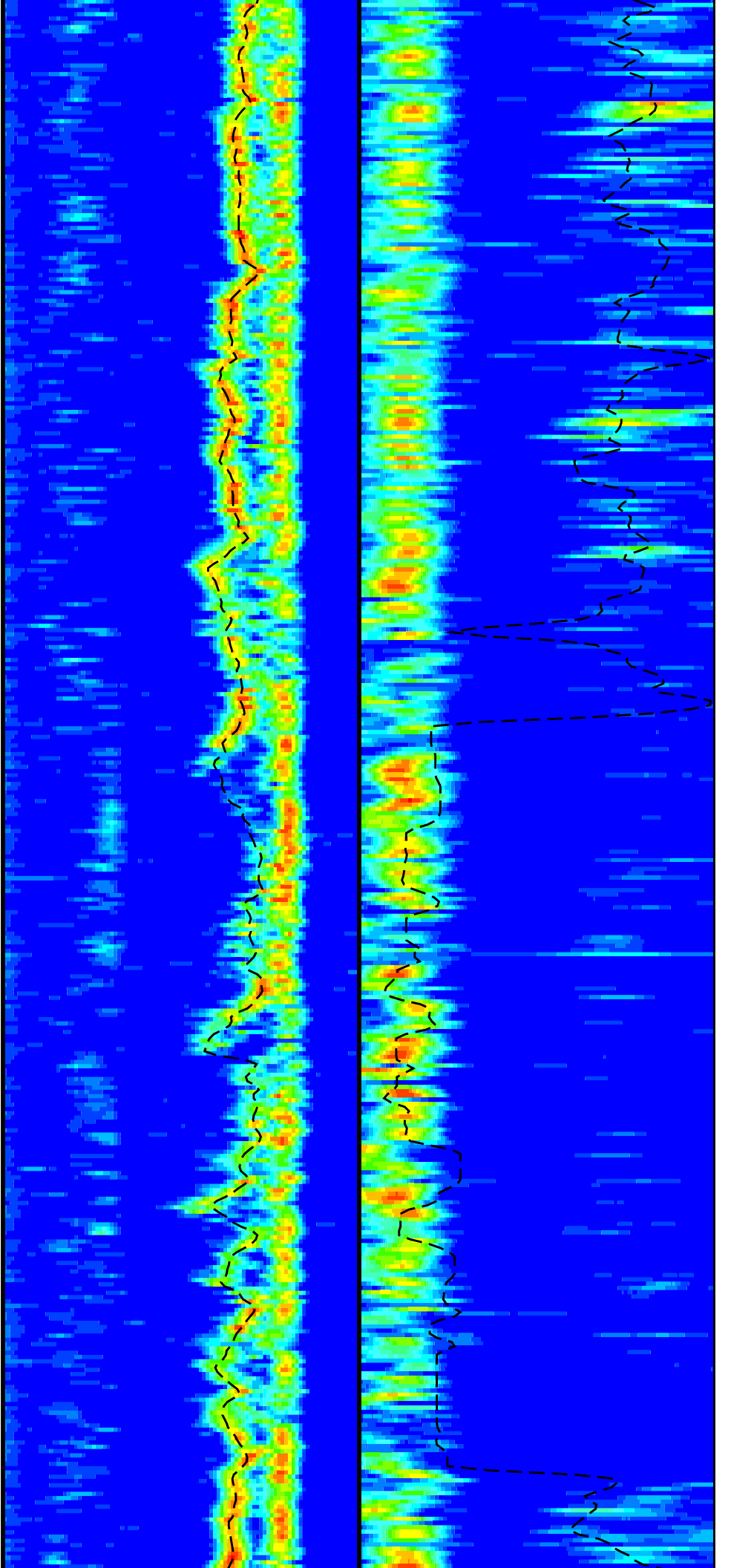


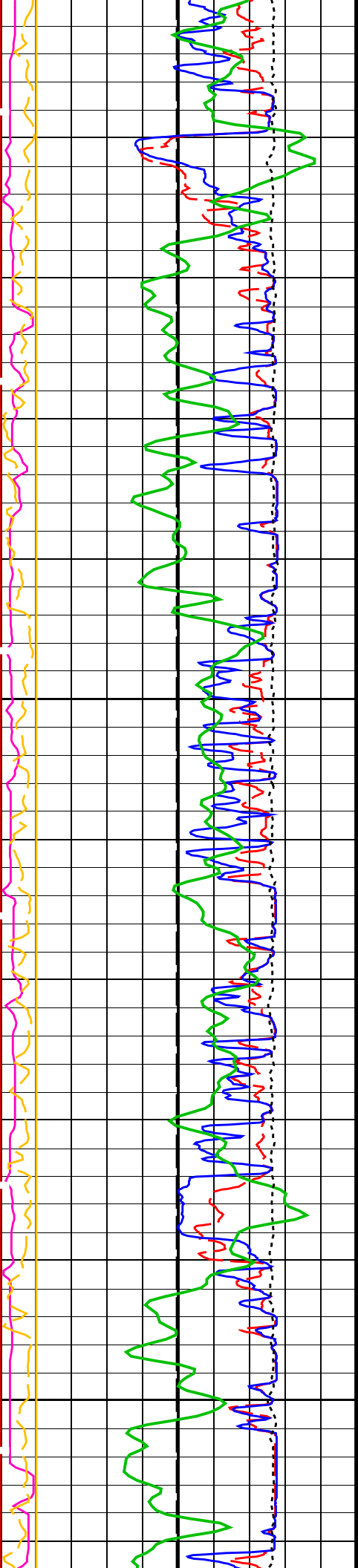


200

225

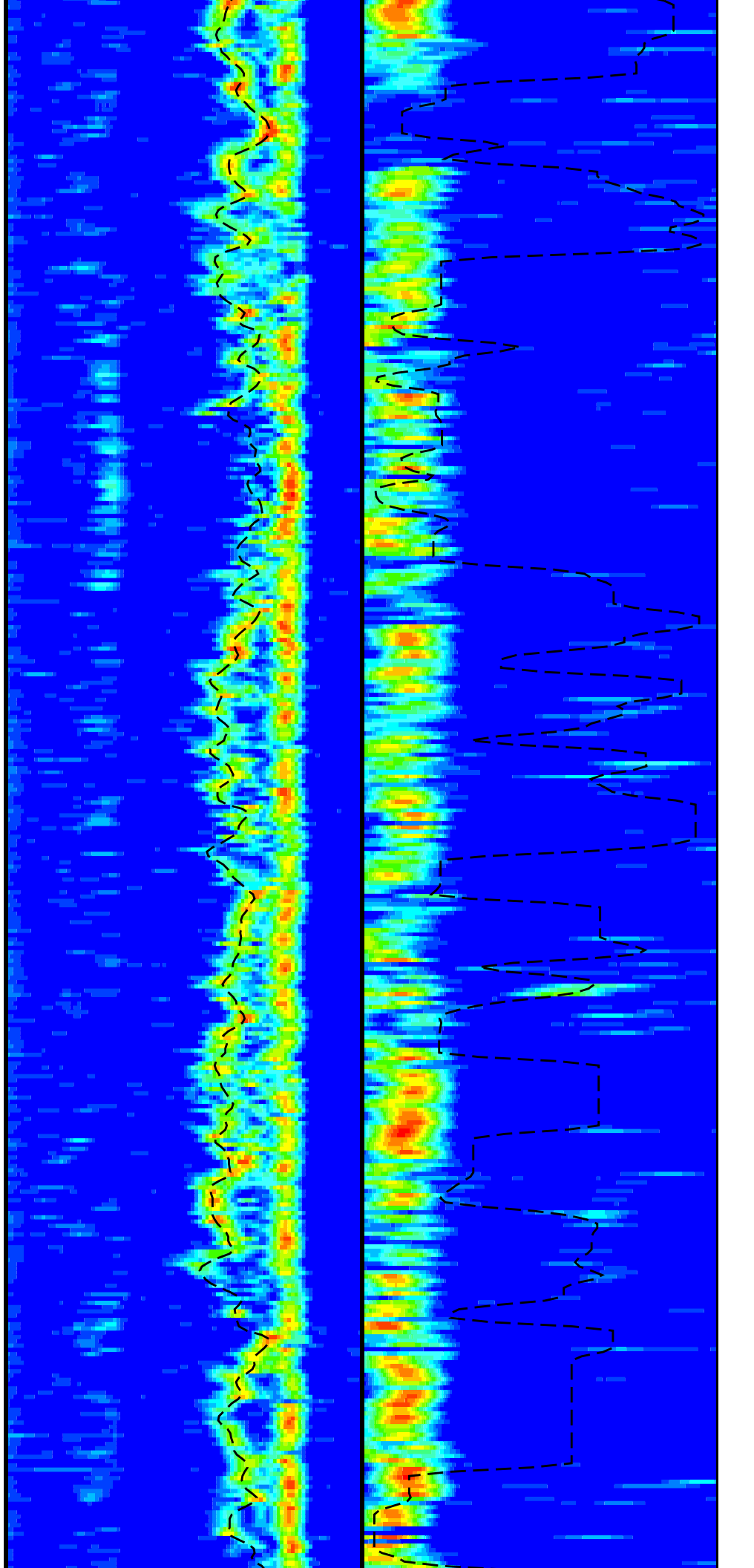
250

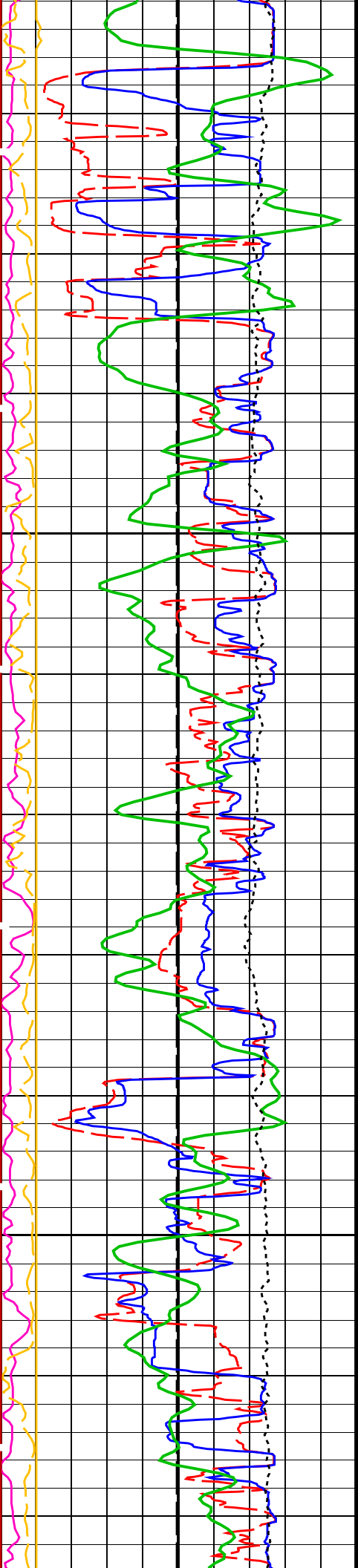




275

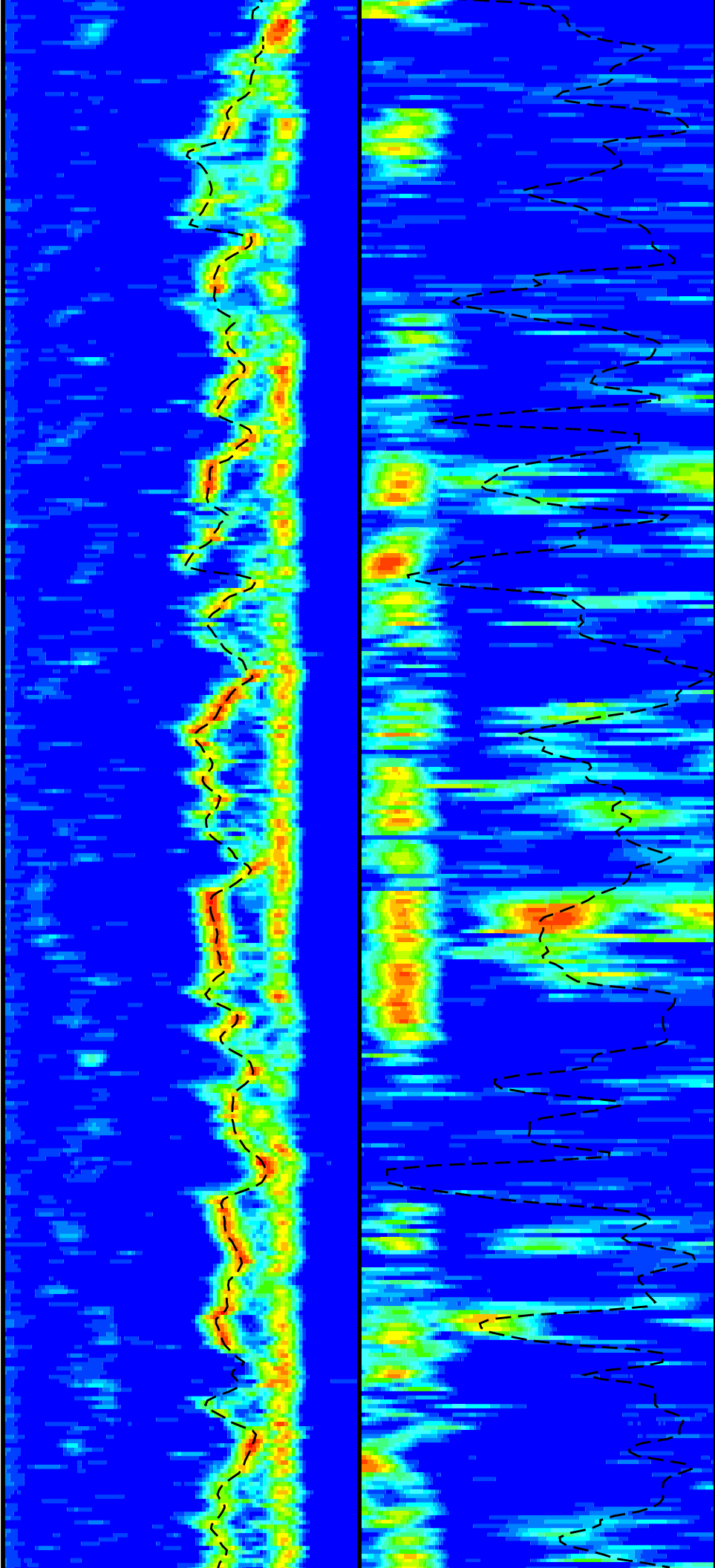
300

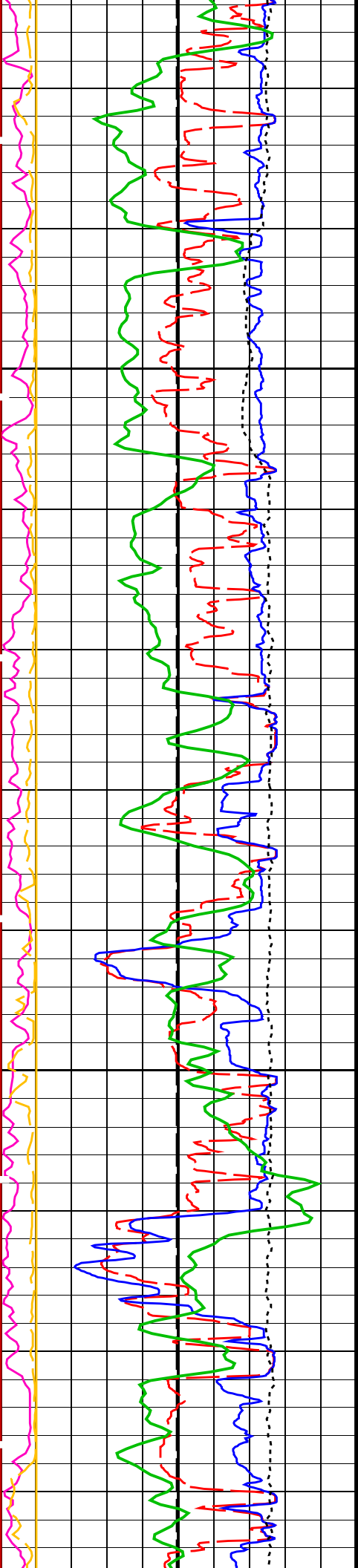




325

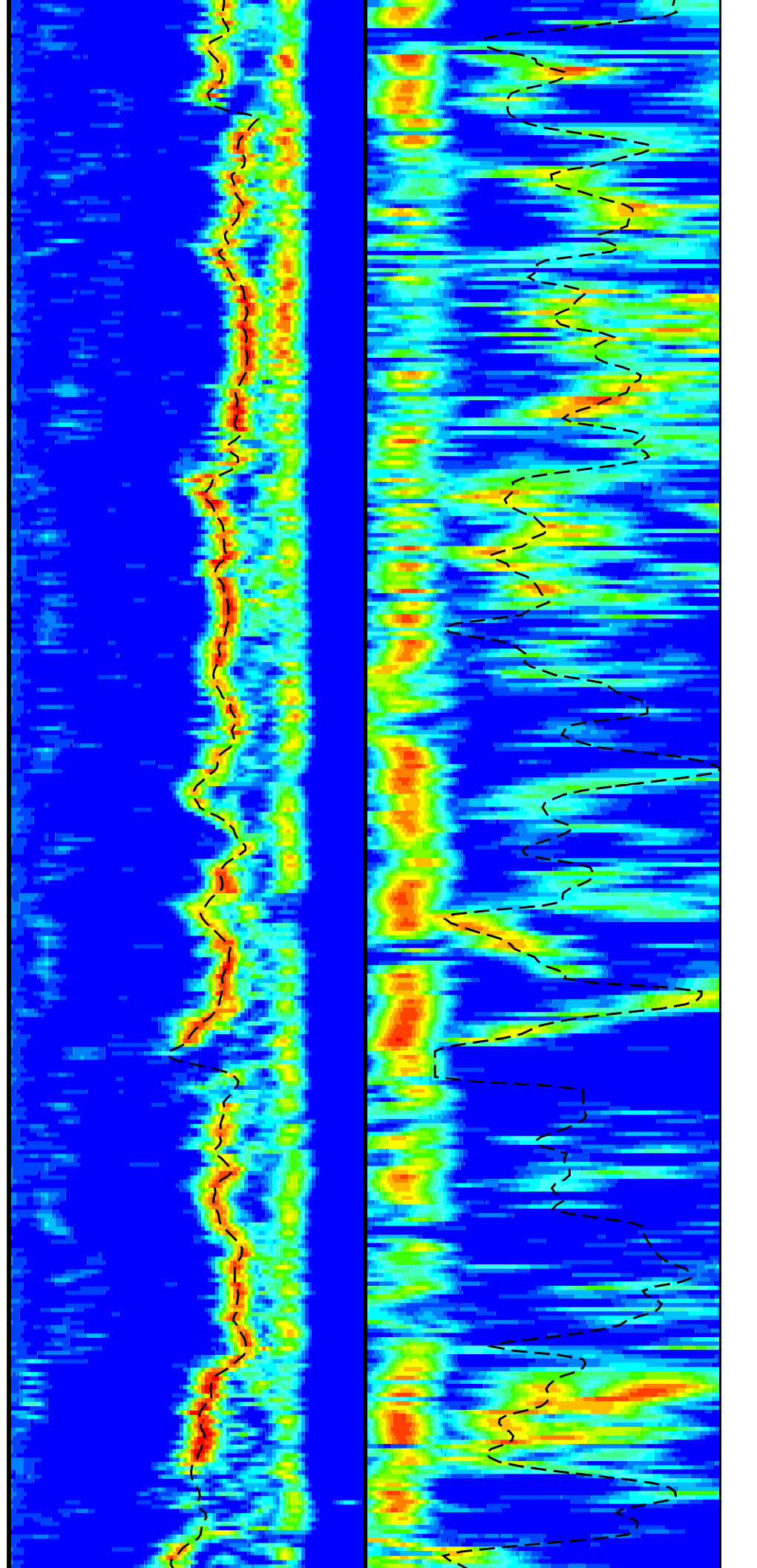
350

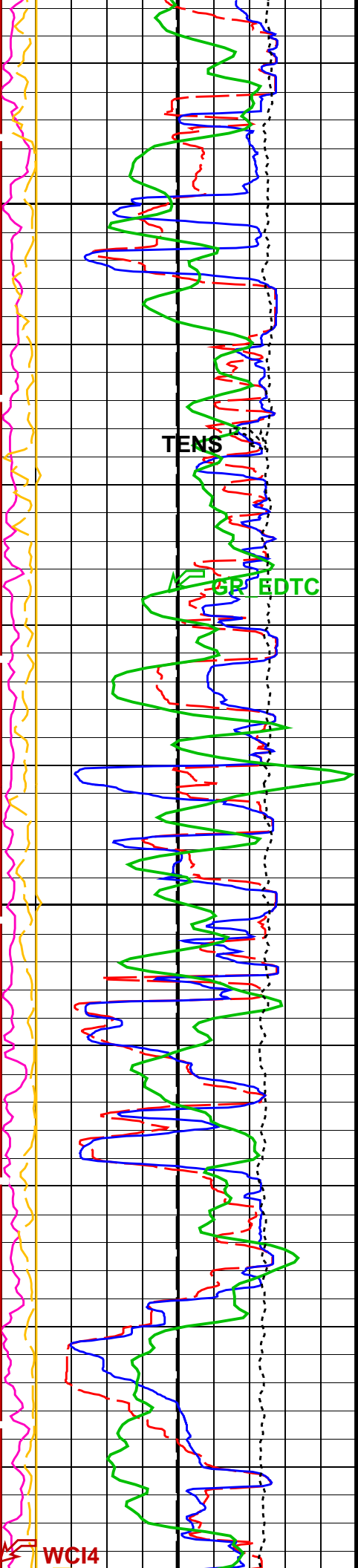




375

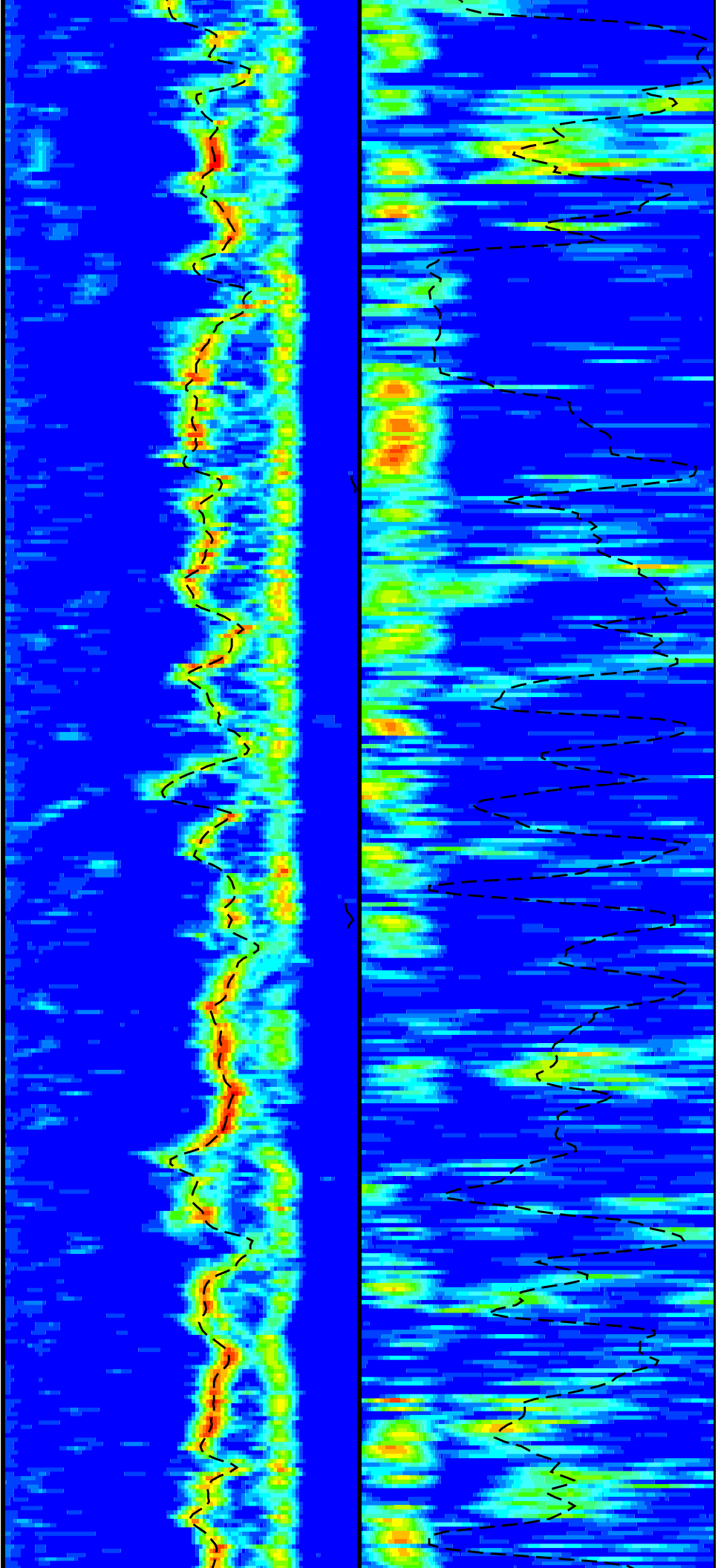
400

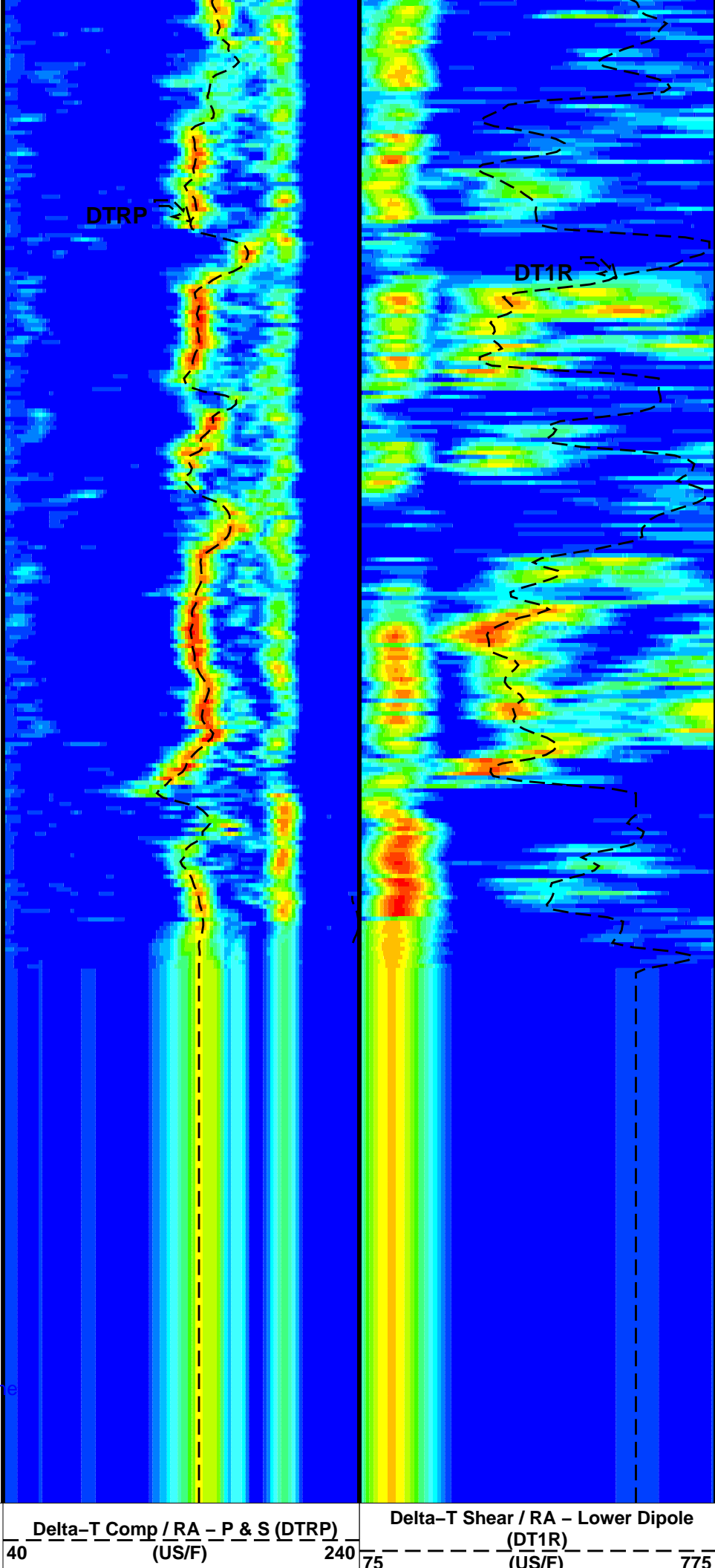
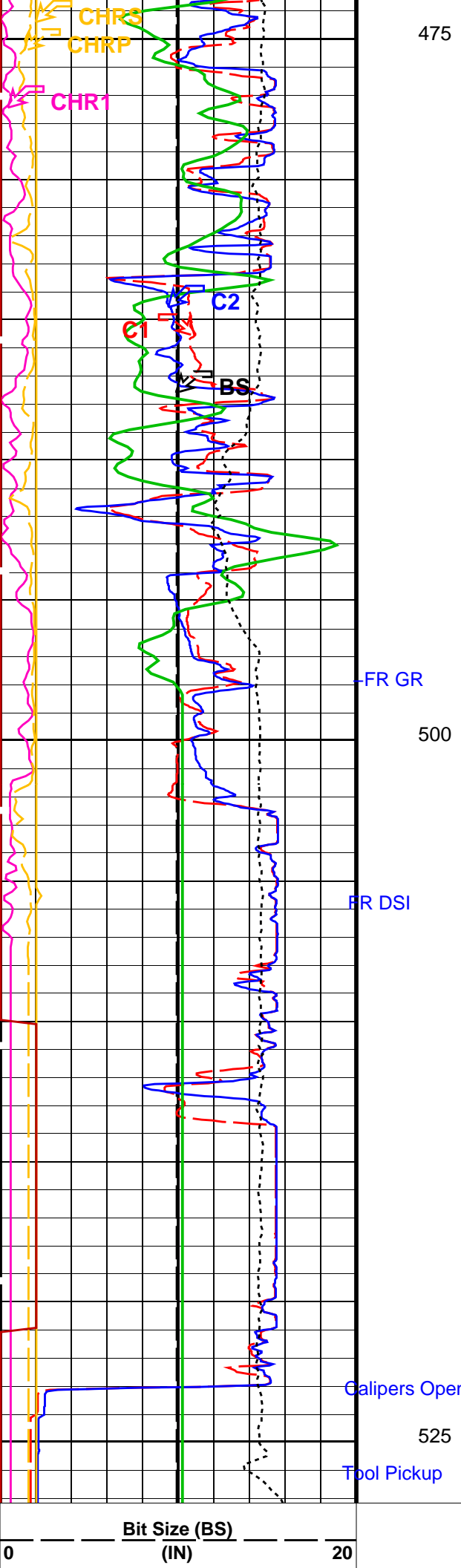




425

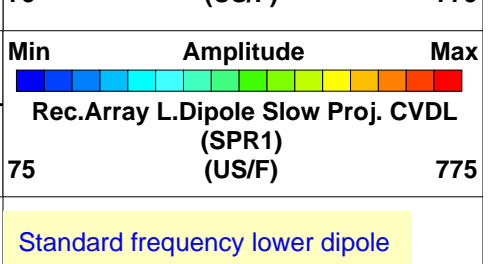
450





Caliper 1 (C1)		
0	(IN)	20
Caliper 2 (C2)		
0	(IN)	20
Tension (TENS)		
10000	(LBF)	0
Gamma Ray (GR_EDTC)		
0	(GAPI)	75
Peak Coherence / RA – Lower Dipole (CHR1)		
0	(----)	10
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

Delta-T Shear / RA – P & S (DTRS)		
40	(US/F)	240
Min Amplitude Max		
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)		
75	(US/F)	775
Min Amplitude Max		
Rec.Array P&S Slow Proj. CVDL (SPR4)		
40	(US/F)	240



2nd Pass, Sea Floor Depth Reference

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	120 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	190 US/F
DDE1	Digitizing Delay 1	0 US
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	75 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	775 US/F
DSI1	Digitizer Sample Interval 1	40 US
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	189 US/F
DWC1	Digitizer Word Count 1	512
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
LTXG	Lower Dipole Transmitter Geometry	156 IN
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI1	Number Waveform Items 1	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

RX8G	Receiver & Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	EVEN	
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	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW1	STC Search Bandwidth – Lower Dipole	800	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B1–2K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	230	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
LLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F
LLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
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
SUL1	STC Slowness Upper Limit – Lower Dipole	775	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST1	STC Time Step – Lower Dipole	200	US
TST4	STC Time Step – Monopole P&S	50	US
TUL1	STC Time Upper Limit – Lower Dipole	15912.5	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
BHS	EDTC–B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	–653.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 02–Jan–2012 14:15

OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	EDTC–B	19C0–187

Input DLIS Files

DEFAULT	FMS_DSI_037LUP	FN:38	PRODUCER	02–Jan–2012 12:51	1180.2 M	643.9 M
---------	----------------	-------	----------	-------------------	----------	---------

Output DLIS Files

DEFAULT	FMS_DSI_039PUP	FN:42	PRODUCER	02–Jan–2012 14:15		
BACKUPDLIS	FMS_DSI_039PUP	FN:43	PRODUCER	02–Jan–2012 14:15		

Company: Lamont Doherty Well: Expedition 339, Site U1389 GC–11A Hole E

Input DLIS Files

DEFAULT	FMS_DSI_037LUP	FN:38	PRODUCER	02–Jan–2012 12:51	1180.2 M	643.9 M
---------	----------------	-------	----------	-------------------	----------	---------

Output DLIS Files

DEFAULT	FMS_DSI_039PUP	FN:42	PRODUCER	02–Jan–2012 14:15	527.2 M	–9.1 M
BACKUPDLIS	FMS_DSI_039PUP	FN:43	PRODUCER	02–Jan–2012 14:15	527.2 M	–9.1 M

OP System Version: 19C0-187

MEST-B 19C0-187
 DSST-B 19C0-187

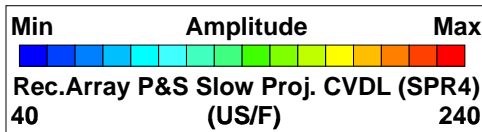
DTA-A 19C0-187
 EDTC-B 19C0-187

PIP SUMMARY

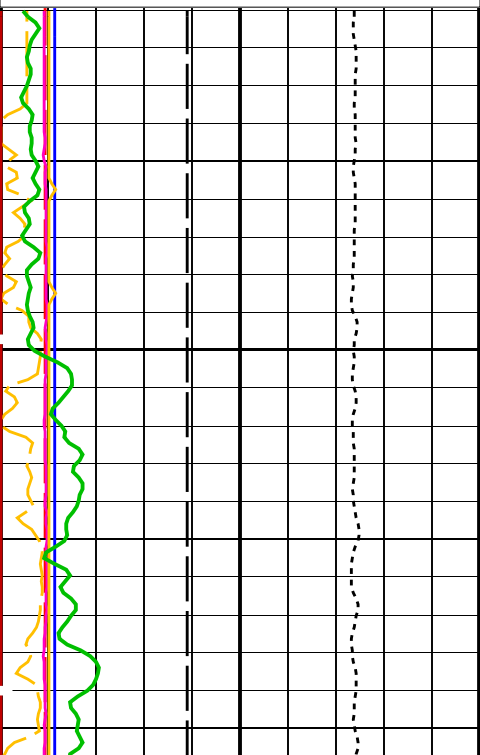
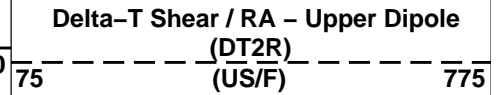
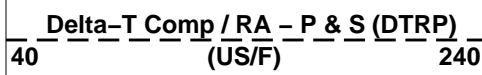
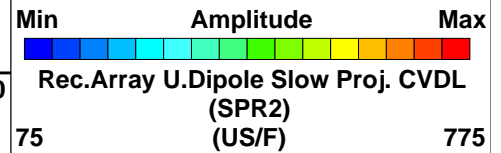
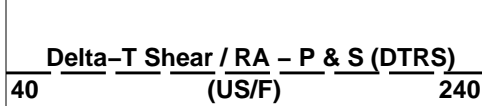
Time Mark Every 60 S

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 / RA – Upper Dipole (CHR2)		
0	(----)	10
Gamma Ray (GR_EDTC)		
0	(GAPI)	75
Tension (TENS)		
10000	(LBF)	0
Caliper 1 (C1)		
0	(IN)	20
Caliper 2 (C2)		
0	(IN)	20
Bit Size (BS)		
6	(IN)	16

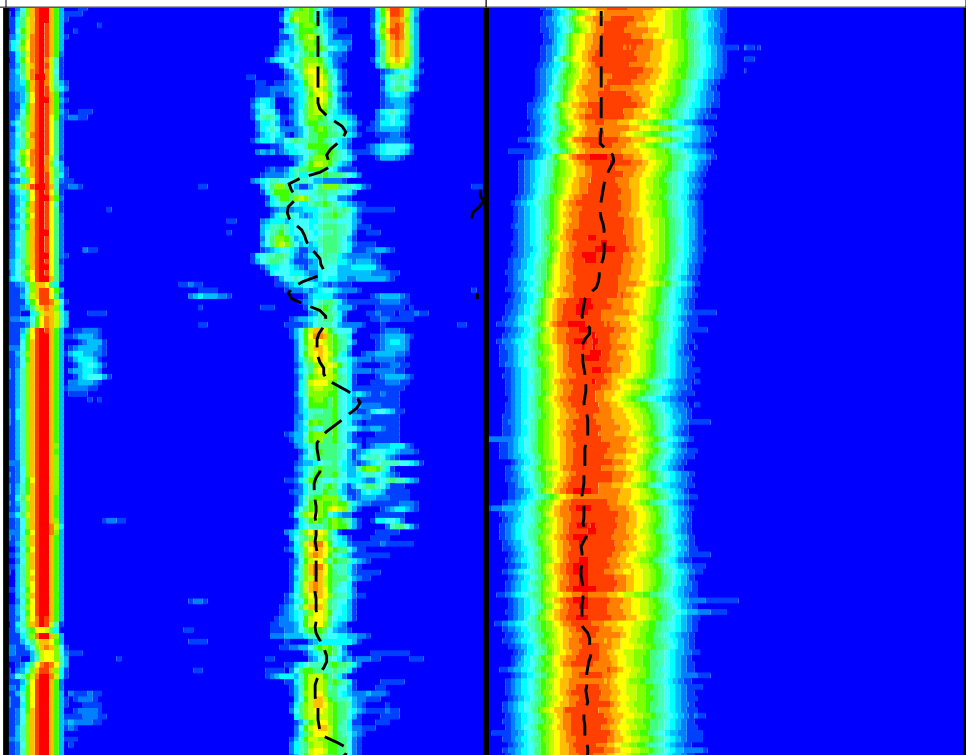
2nd Pass, Sea Floor Depth Reference

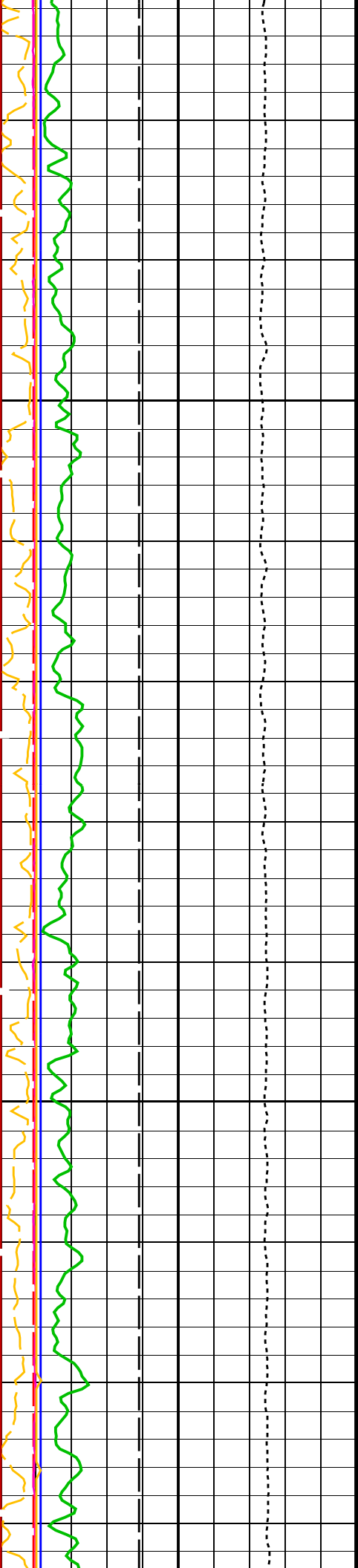


Standard frequency upper dipole



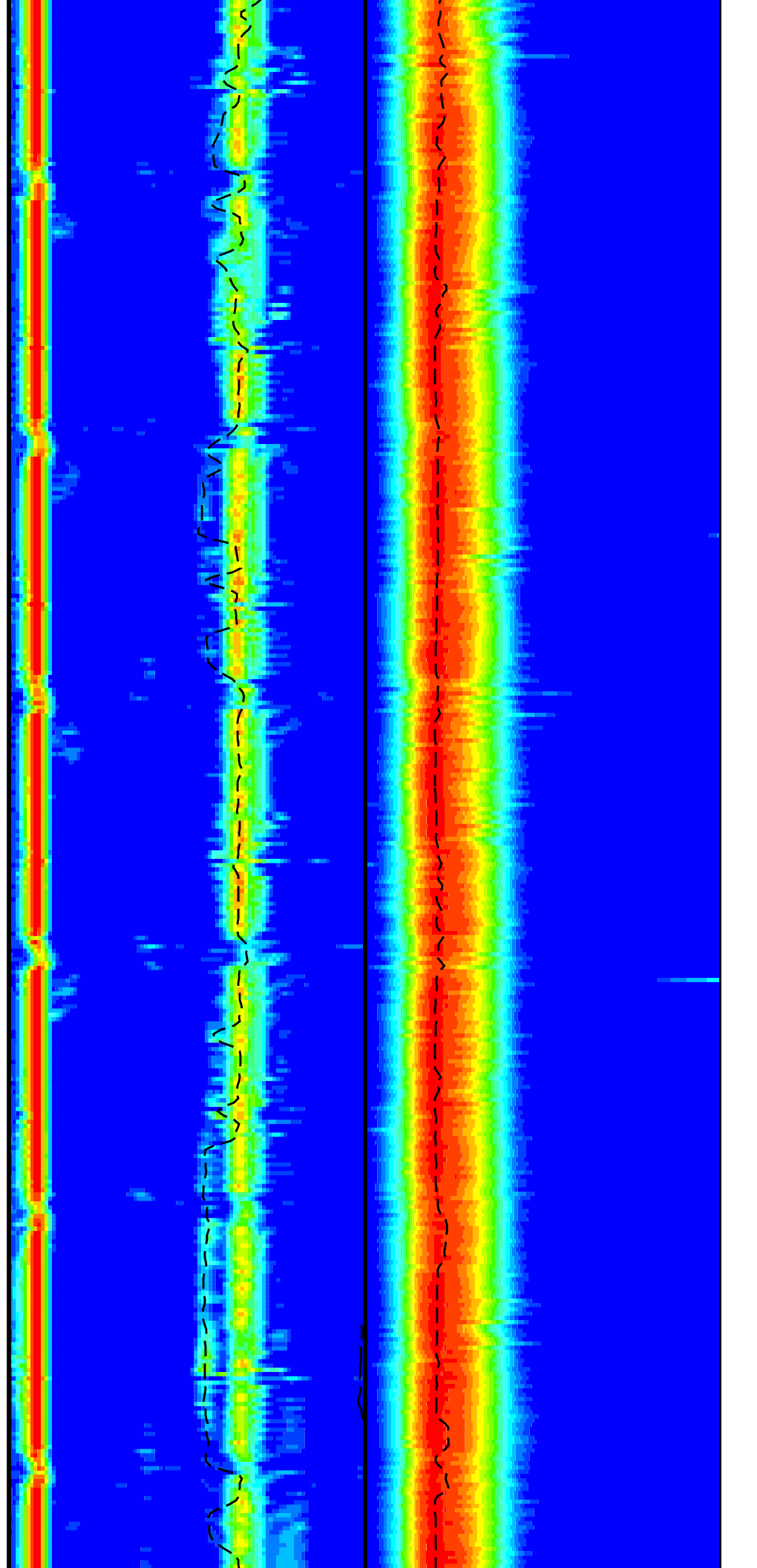
Sea Floor

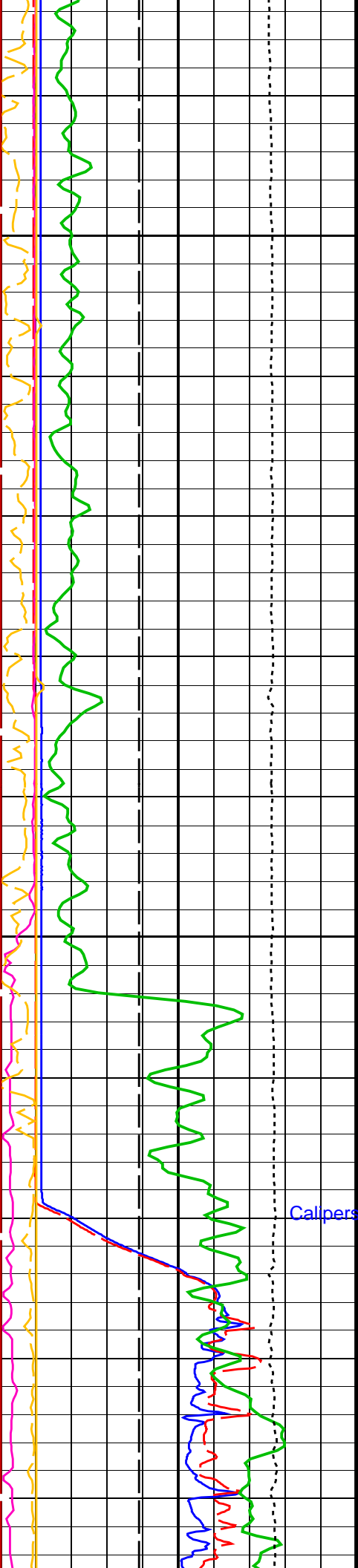




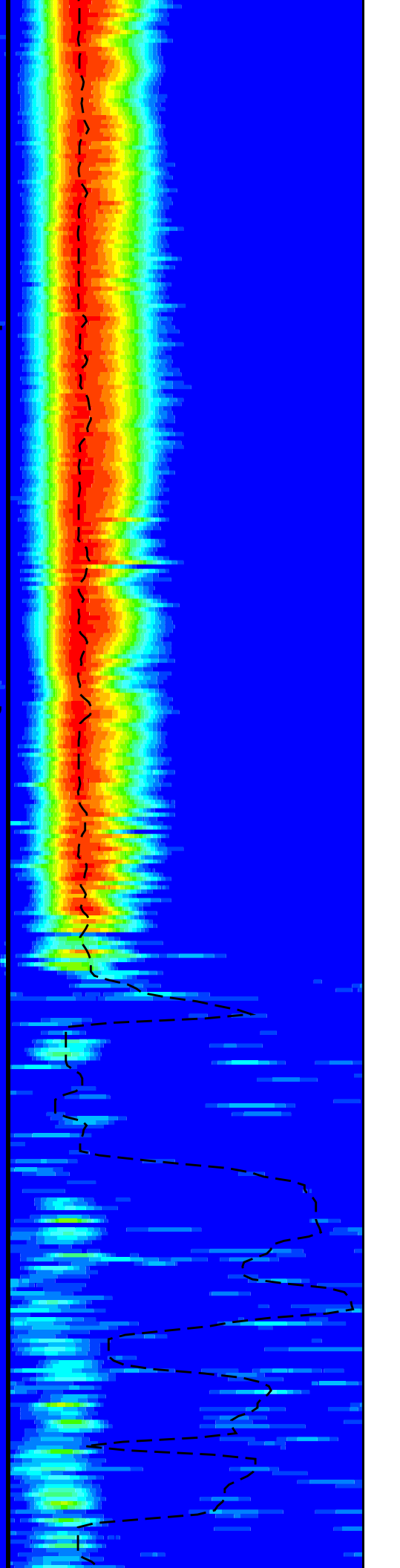
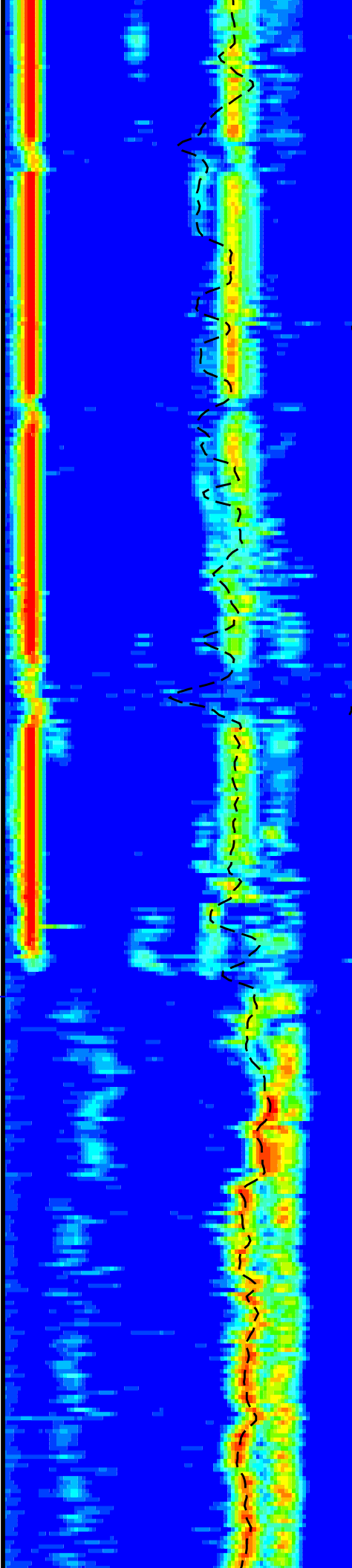
25

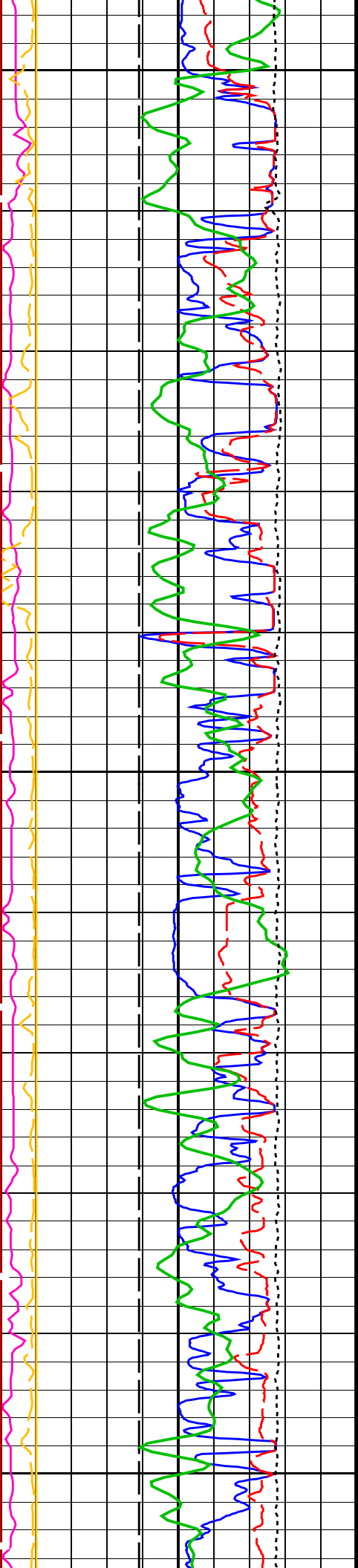
50





75
100
-Drill Pipe
Calipers Closed

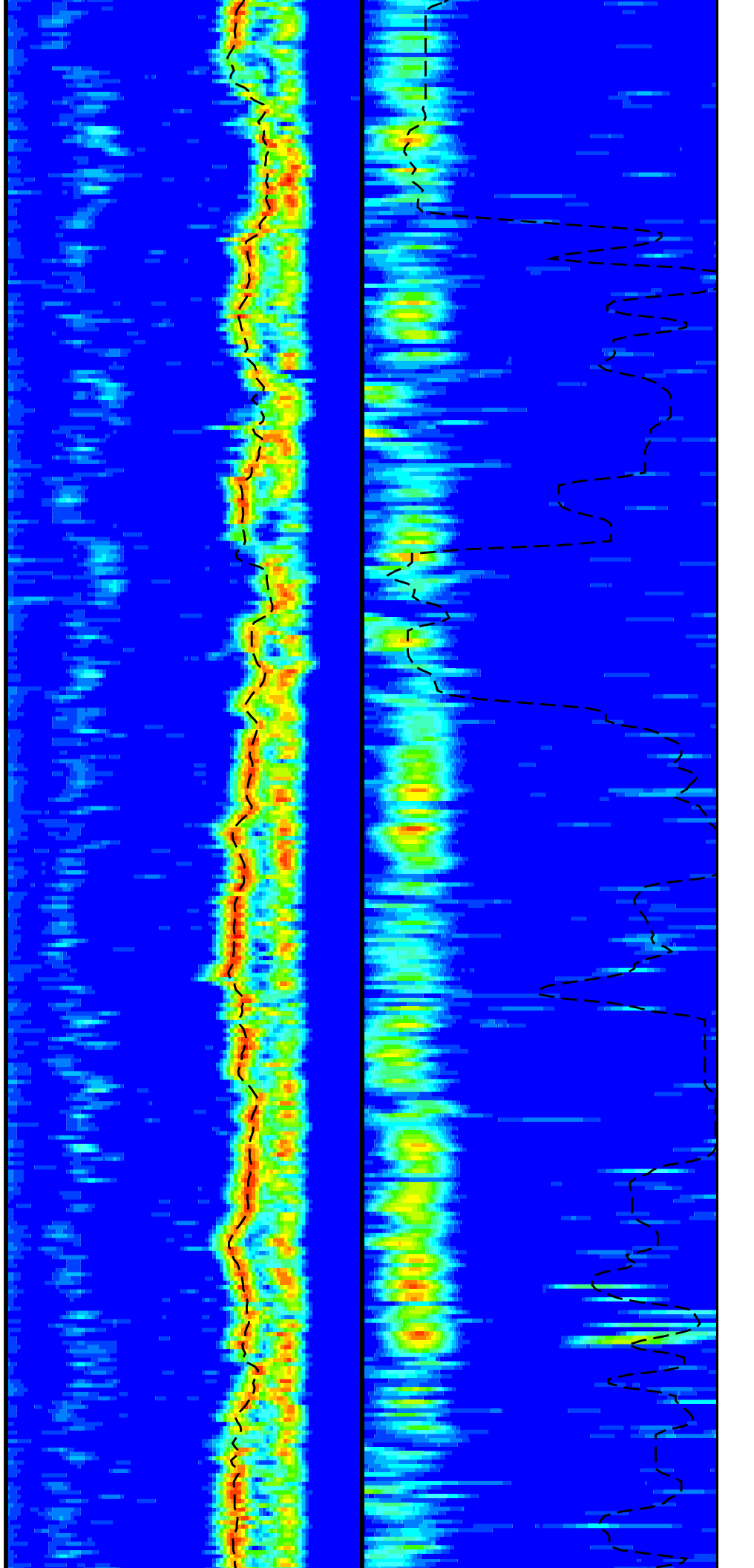


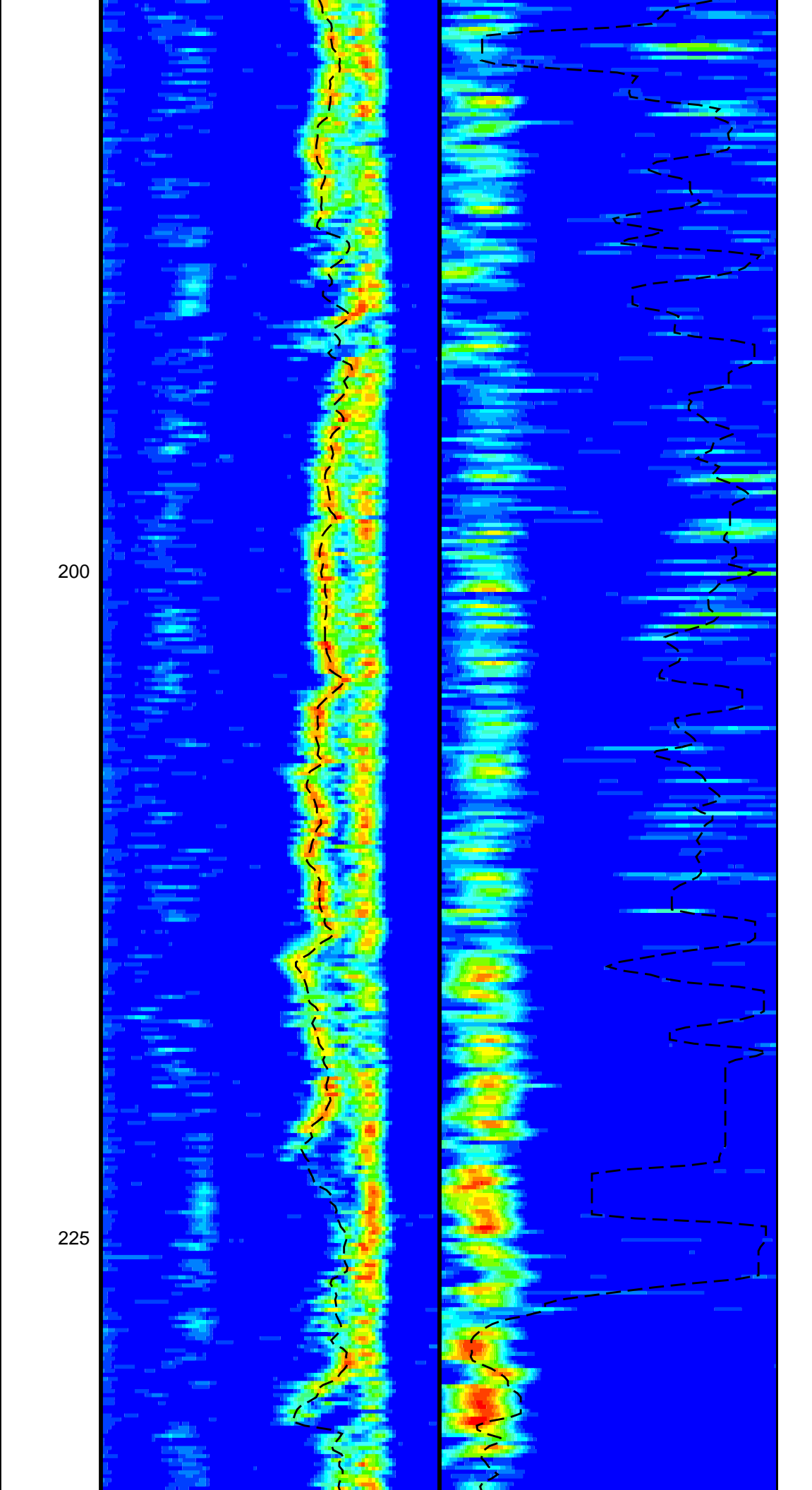
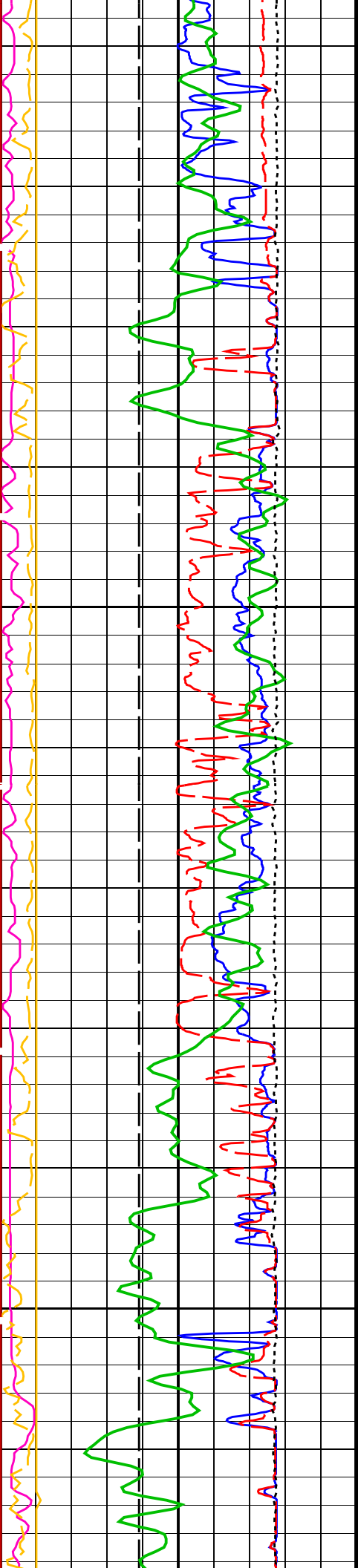


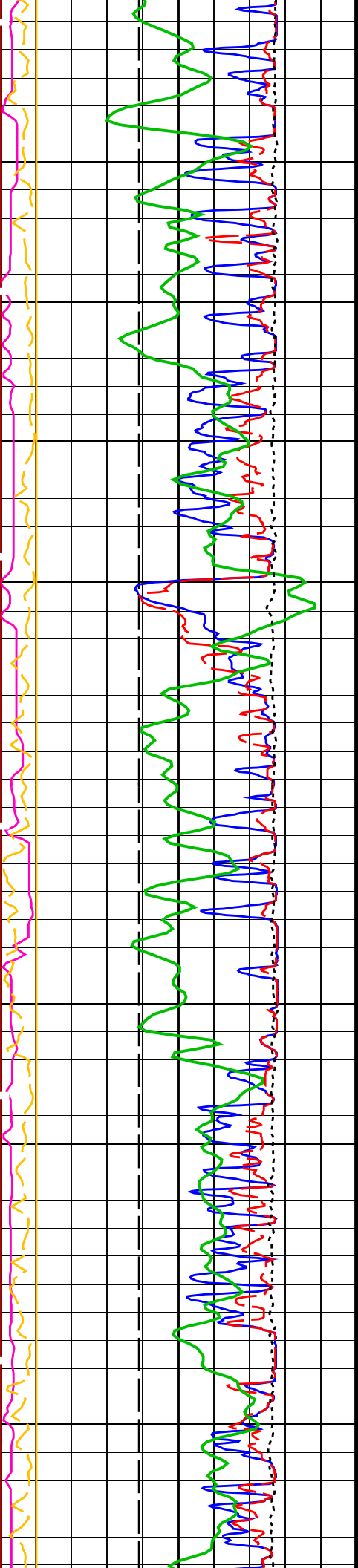
125

150

175

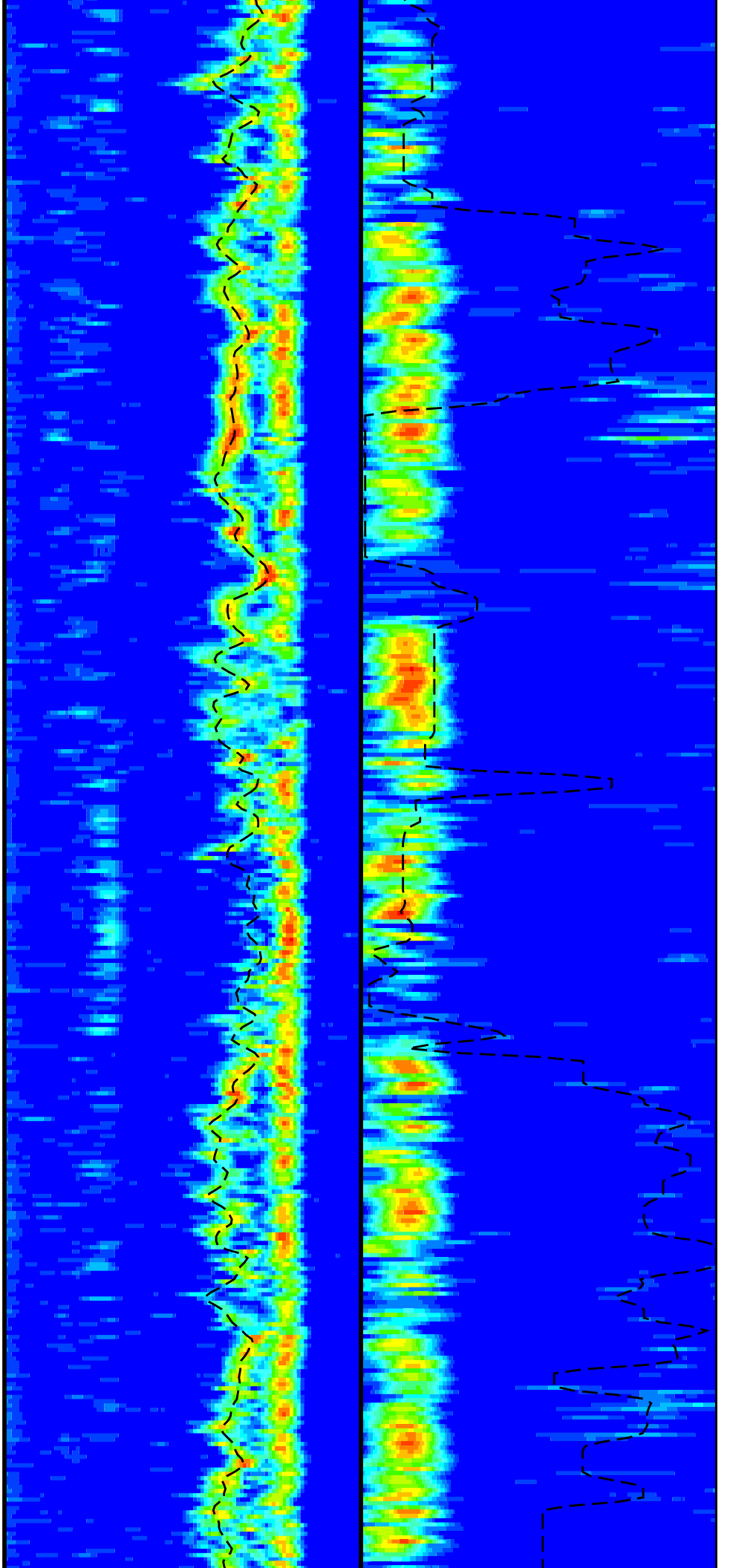


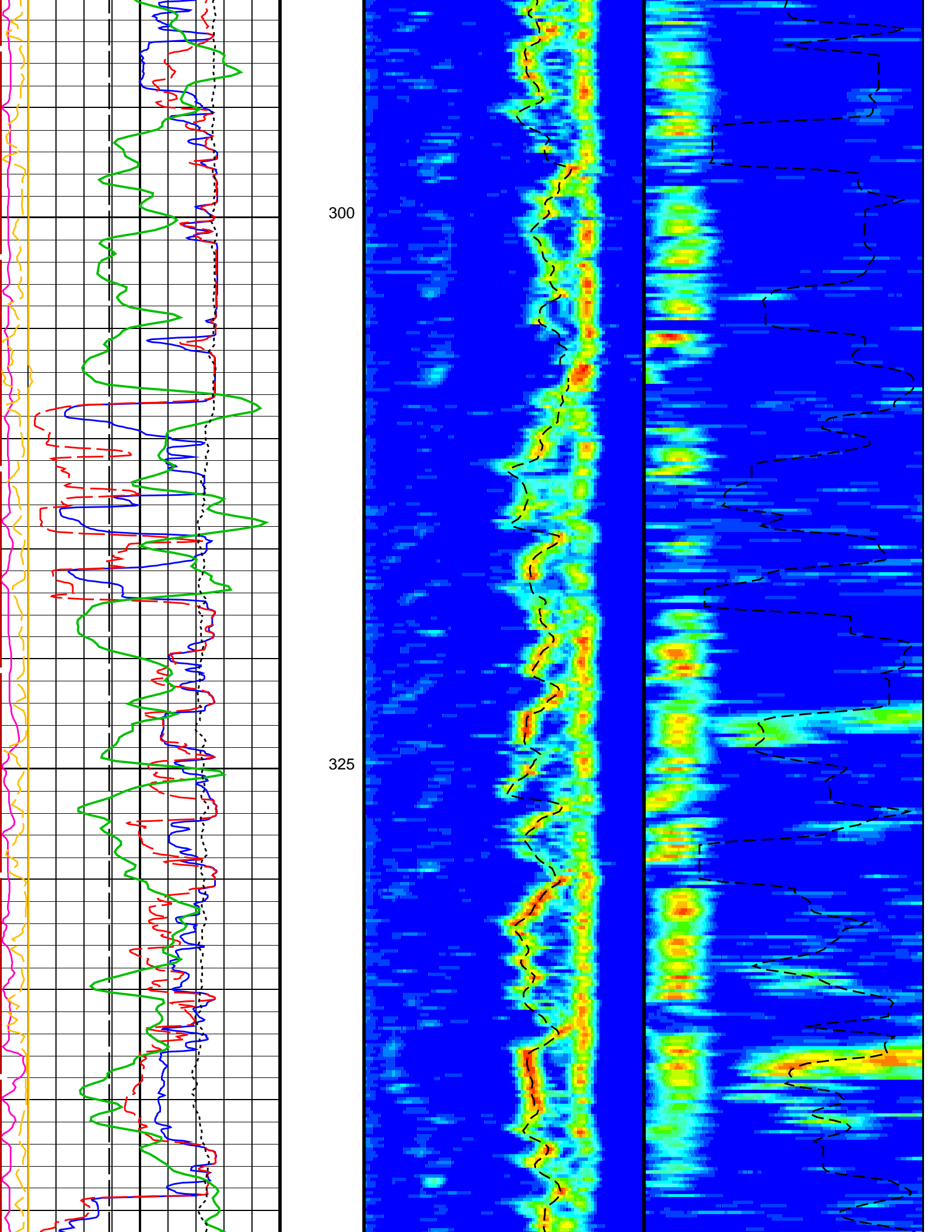


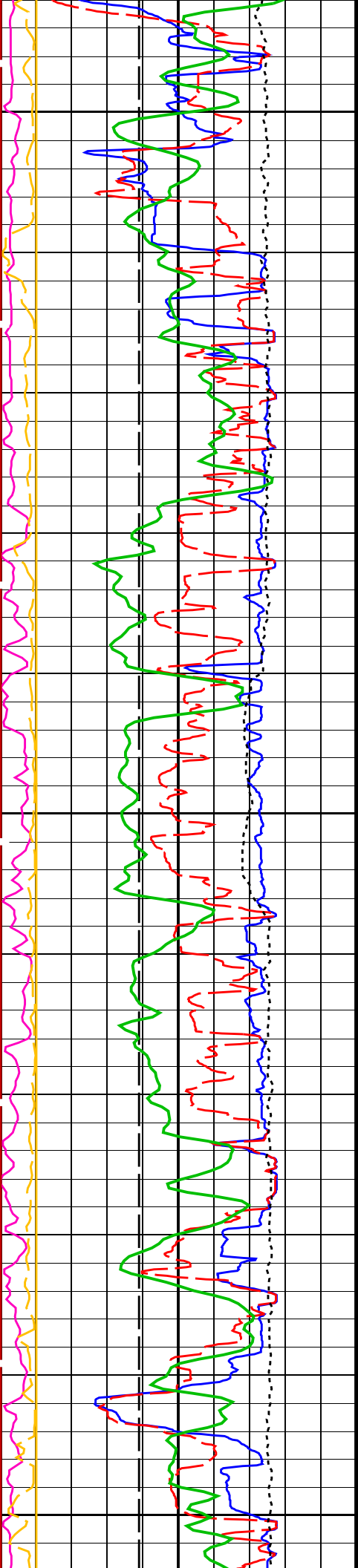


250

275



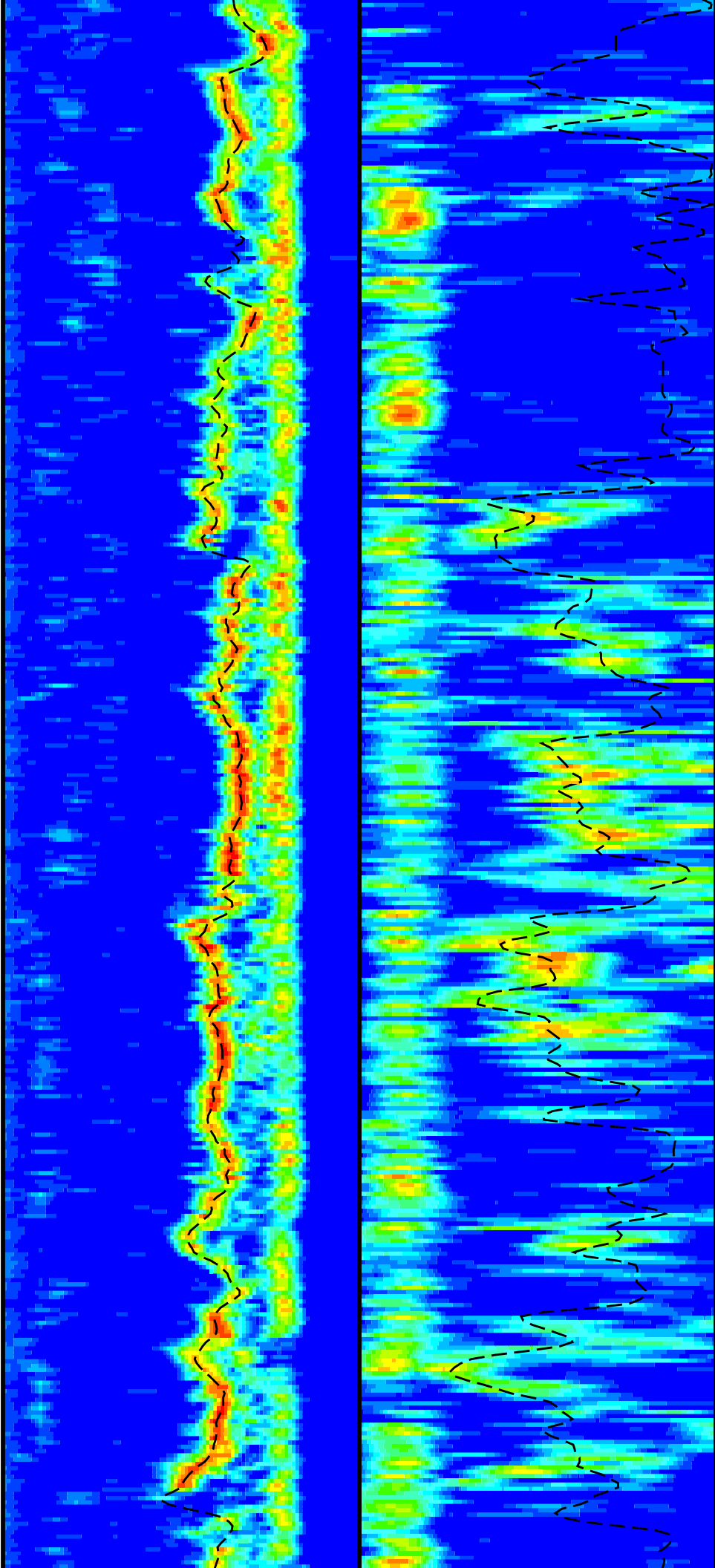


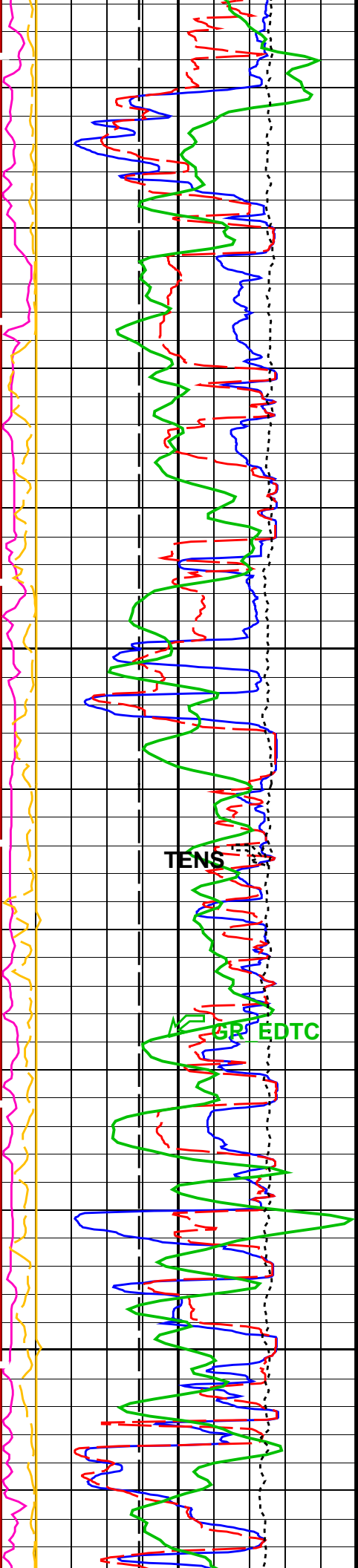


350

375

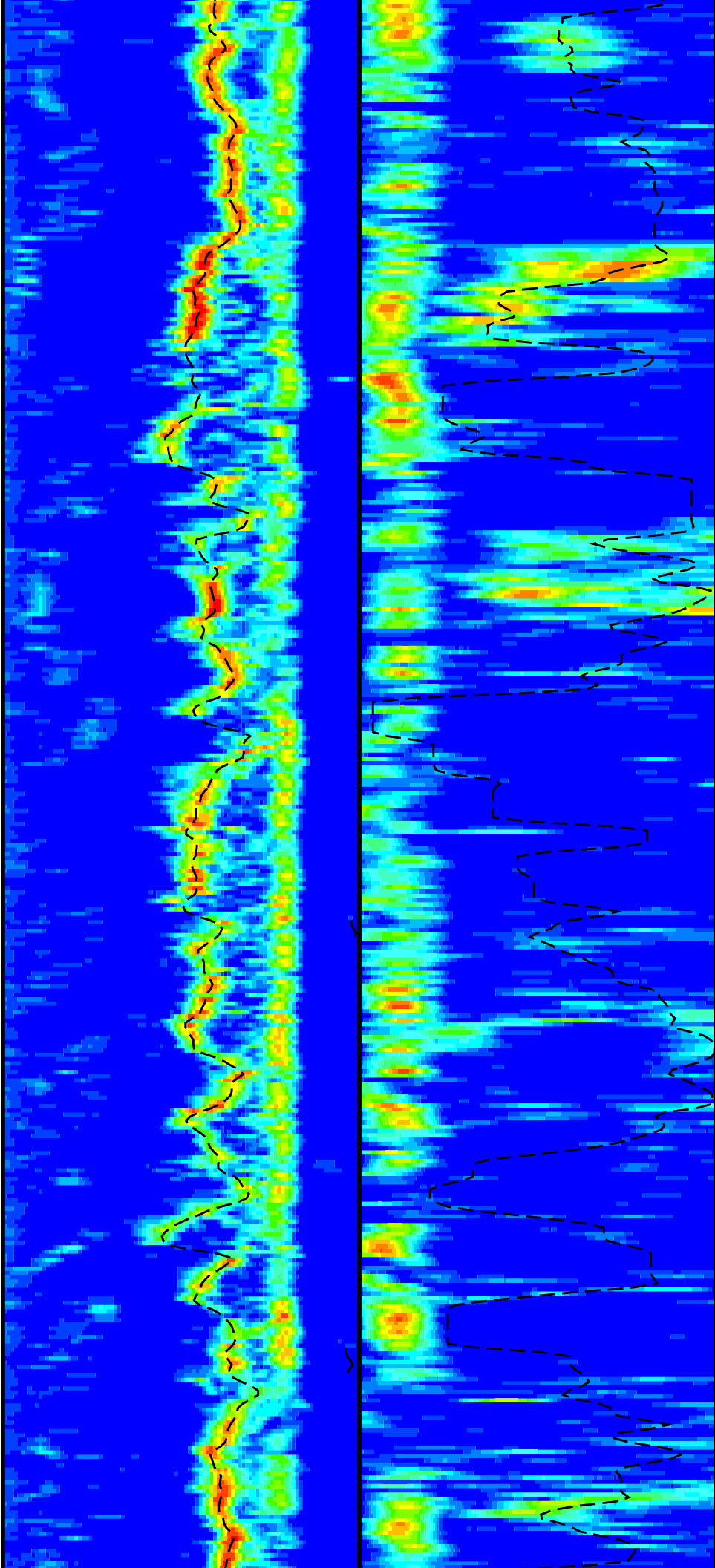
400

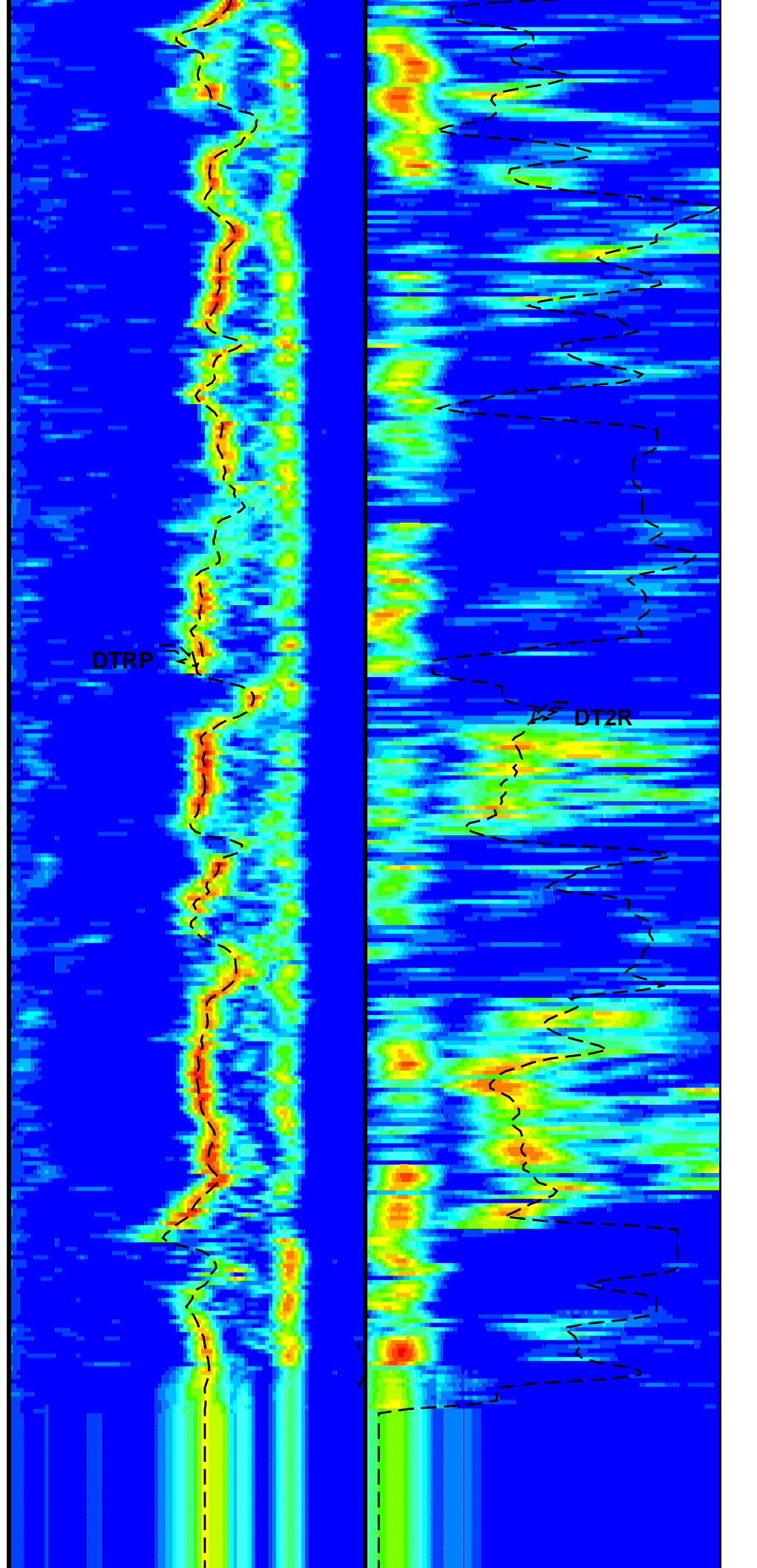




425

450





475

500

-FR GR

FR DSI-

WCI14

CHR3

CHRP

CHR2

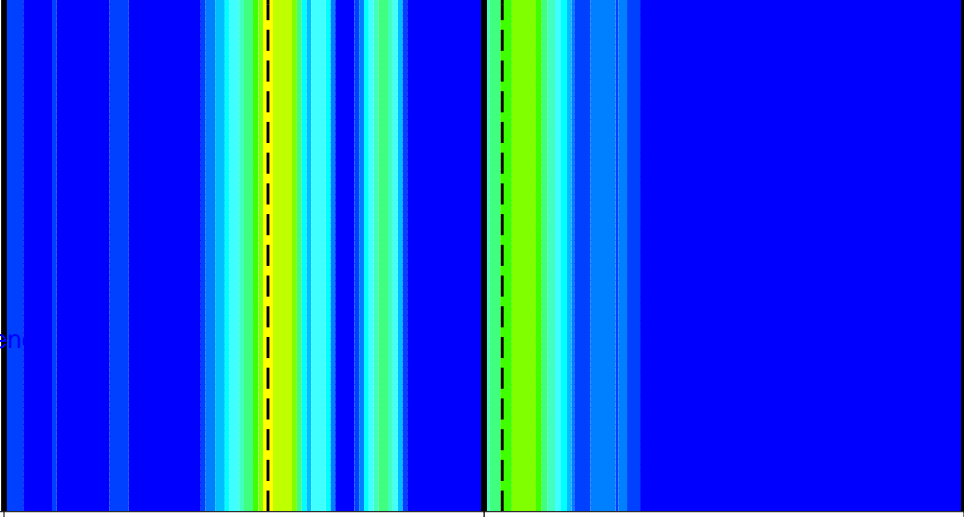
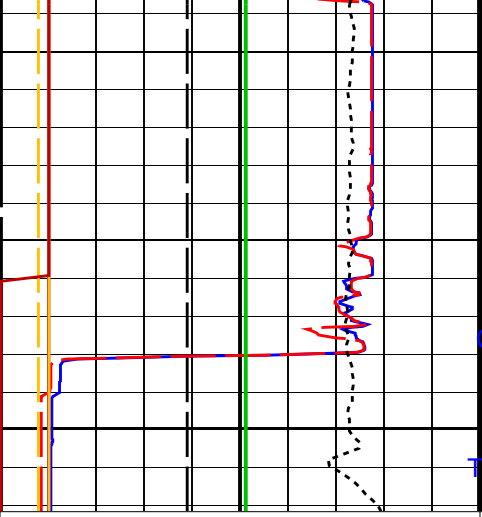
C1

C2

BS

DTRP

DT2R



6	Bit Size (BS) (IN)	16
0	Caliper 2 (C2) (IN)	20
0	Caliper 1 (C1) (IN)	20
10000	Tension (TENS) (LBF)	0
0	Gamma Ray (GR_EDTC) (GAPI)	75
0	Peak Coherence / RA - Upper Dipole (CHR2) (----	10
0	Peak Coherence / RA - P & S Comp (CHRP) (----	10
-1	Peak Coherence / RA - P & S Shear (CHRS) (----	9
0	Waveform Data Copy Indicator 4 - Monopole P&S (WCI4) (----	10

40	Delta-T Comp / RA - P & S (DTRP) (US/F)	240
40	Delta-T Shear / RA - P & S (DTRS) (US/F)	240
40	Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	240

75	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	775
75	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	775

Standard frequency upper dipole

2nd Pass, Sea Floor Depth Reference

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	120 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	190 US/F
DDE2	Digitizing Delay 2	0 US
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	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	775 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSI4	Digitizer Sample Interval 4	10 US

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	189	US/F
DWC2	Digitizer Word Count 2	512	
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
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
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
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	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-2K	
SFM4	STC Filter - Monopole P&S	B3-20K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	230	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F
SLL2	STC Slowness Lower Limit - Upper Dipole	75	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SST2	STC Slowness Step - Upper Dipole	4	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
SUL2	STC Slowness Upper Limit - Upper Dipole	775	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST2	STC Time Step - Upper Dipole	200	US
TST4	STC Time Step - Monopole P&S	50	US
TUL2	STC Time Upper Limit - Upper Dipole	15525	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD2	STC Time Width - Upper Dipole	2000	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	
BHS	EDTC-B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	-653.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 02-Jan-2012 14:15

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	EDTC-B	19C0-187

Input DLIS Files

DEFAULT FMS_DSI_037LUP FN:38 PRODUCER 02-Jan-2012 12:51 1180.2 M 643.9 M

Output DLIS Files

DEFAULT FMS_DSI_039PUP FN:42 PRODUCER 02-Jan-2012 14:15
 BACKUPDLIS FMS_DSI_039PUP FN:43 PRODUCER 02-Jan-2012 14:15

Company: Lamont Doherty Well: Expedition 339, Site U1389 GC-11A Hole E

Input DLIS Files

DEFAULT FMS_DSI_036LUP FN:36 PRODUCER 02-Jan-2012 10:40 1223.2 M 795.1 M

Output DLIS Files

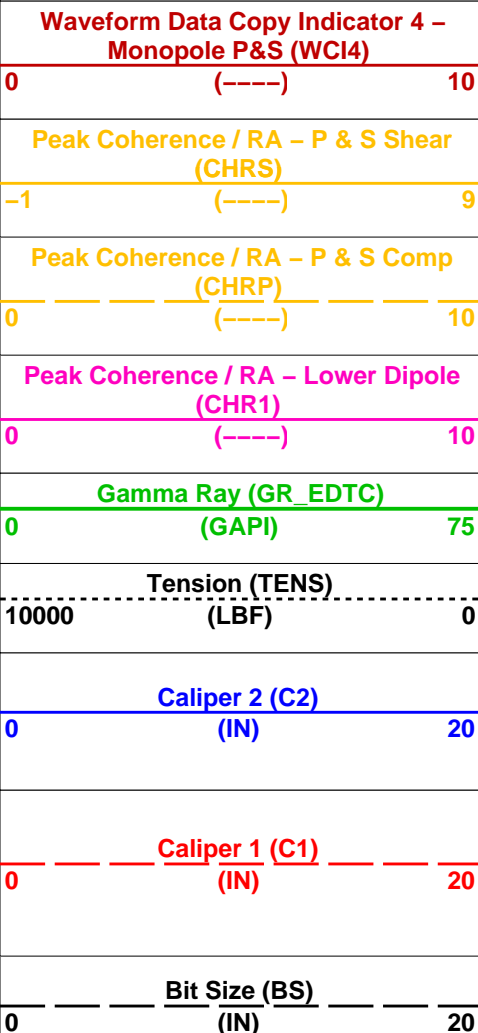
DEFAULT FMS_DSI_038PUP FN:40 PRODUCER 02-Jan-2012 14:08 569.2 M 141.1 M
 BACKUPDLIS FMS_DSI_038PUP FN:41 PRODUCER 02-Jan-2012 14:08 569.2 M 141.1 M

OP System Version: 19C0-187

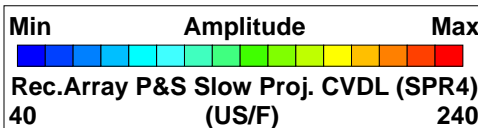
MEST-B 19C0-187 DTA-A 19C0-187
 DSST-B 19C0-187 EDTC-B 19C0-187

PIP SUMMARY

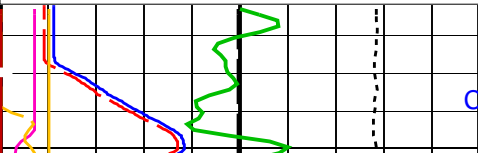
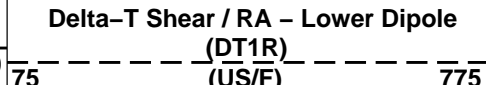
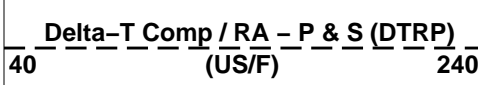
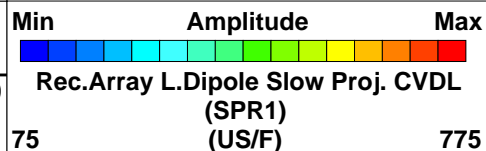
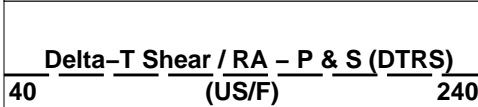
Time Mark Every 60 S



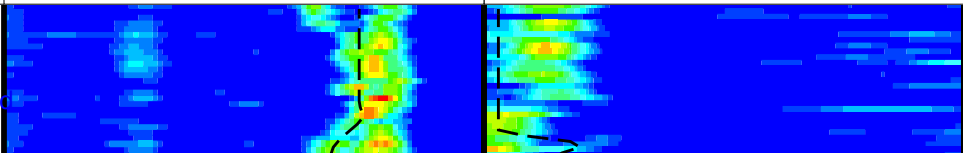
1st Pass, Sea Floor Depth Reference

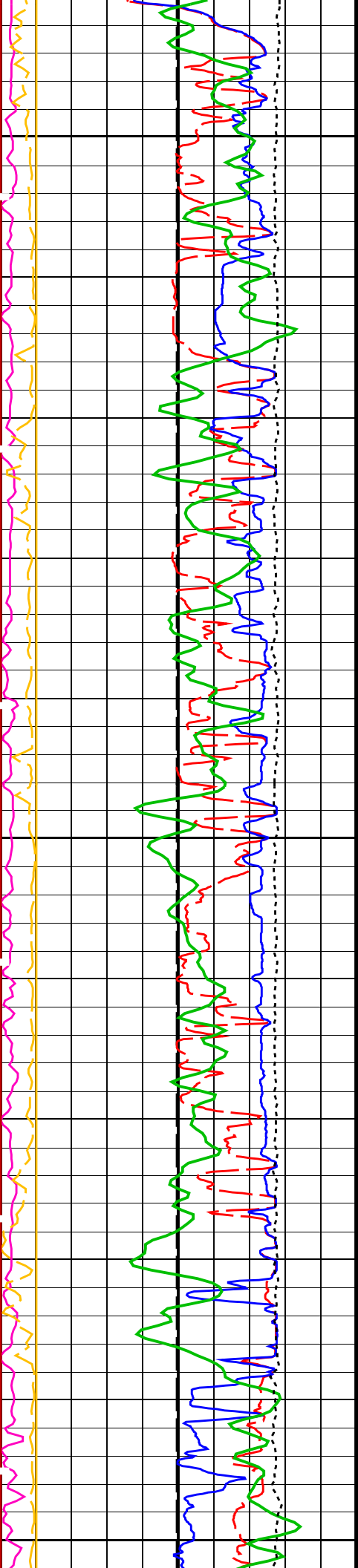


Standard frequency lower dipole



Caliper Closed

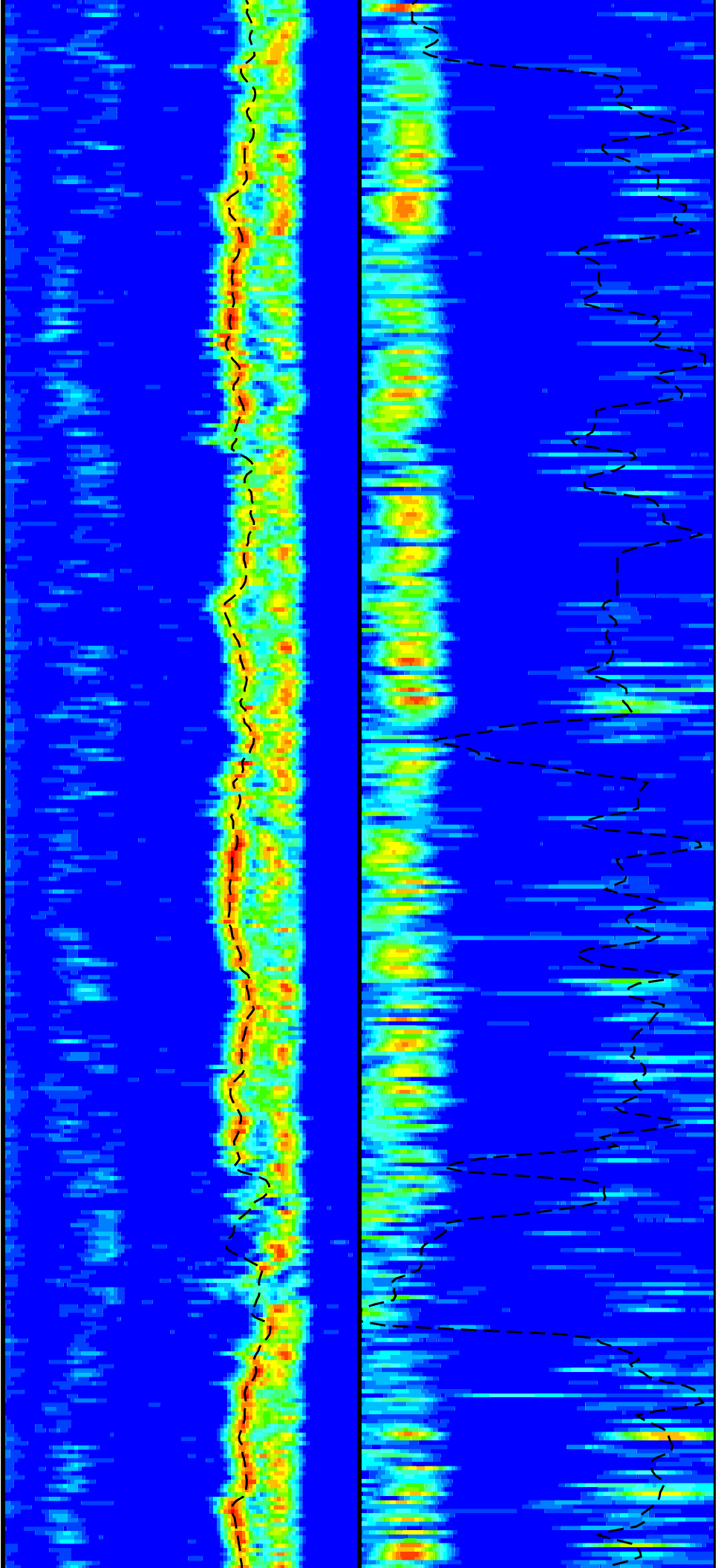


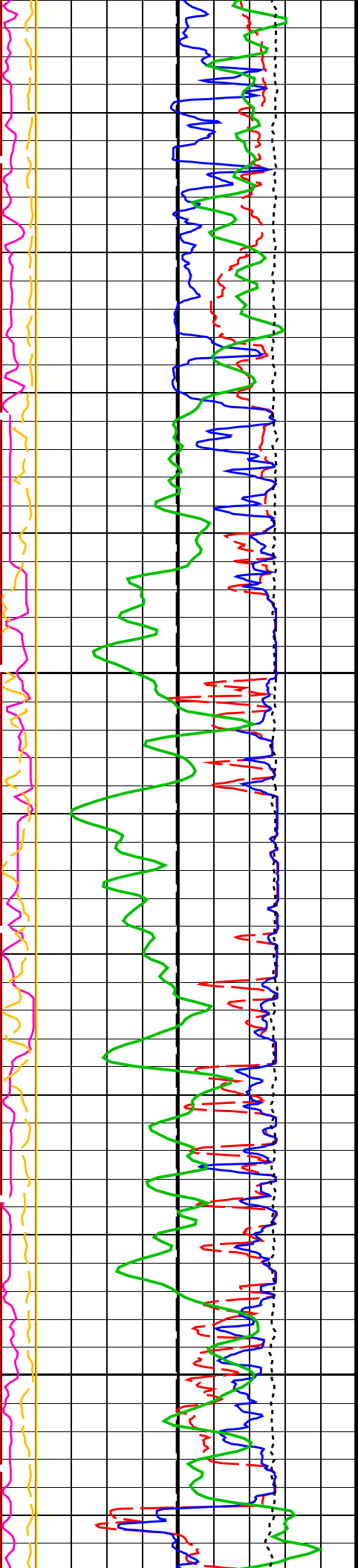


150

175

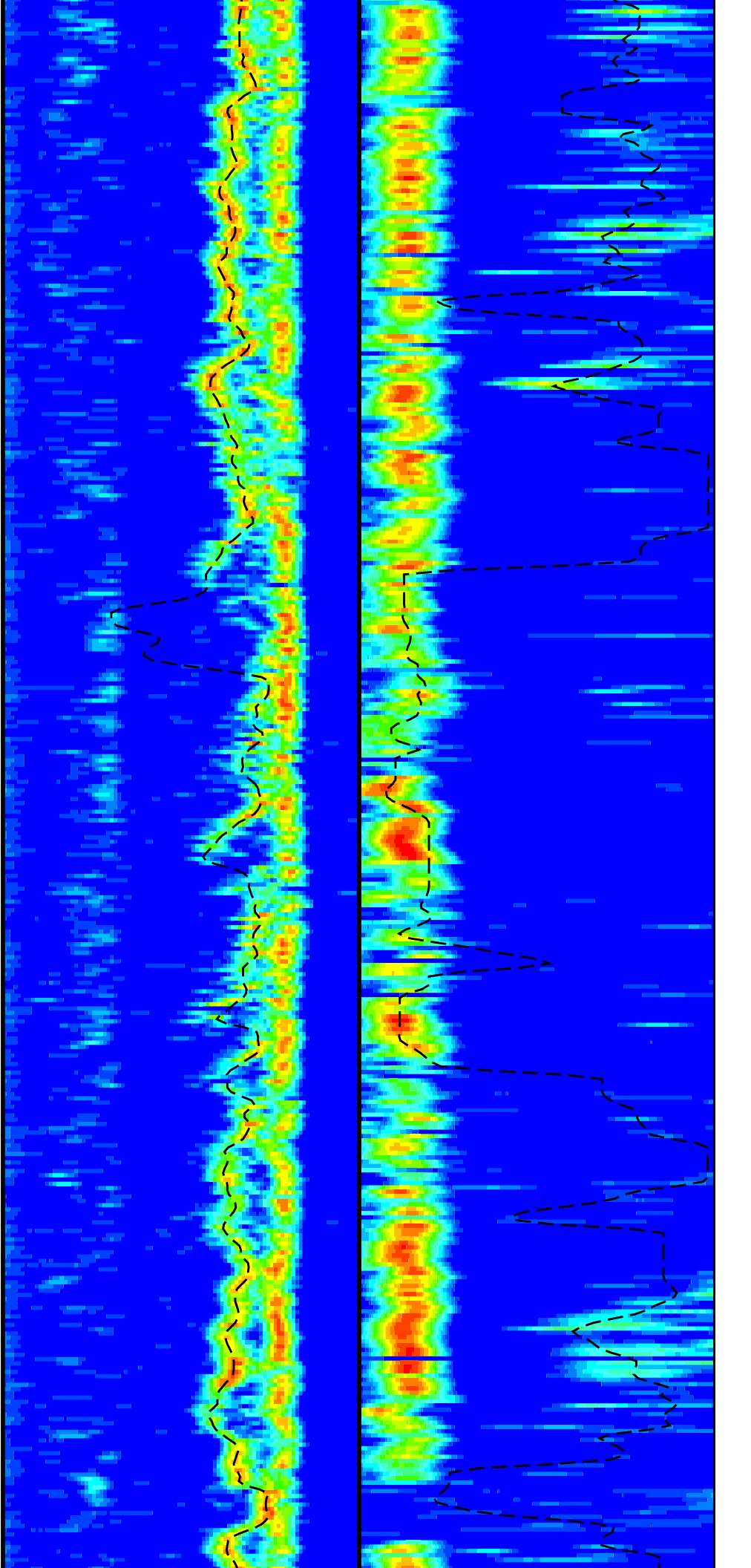
200

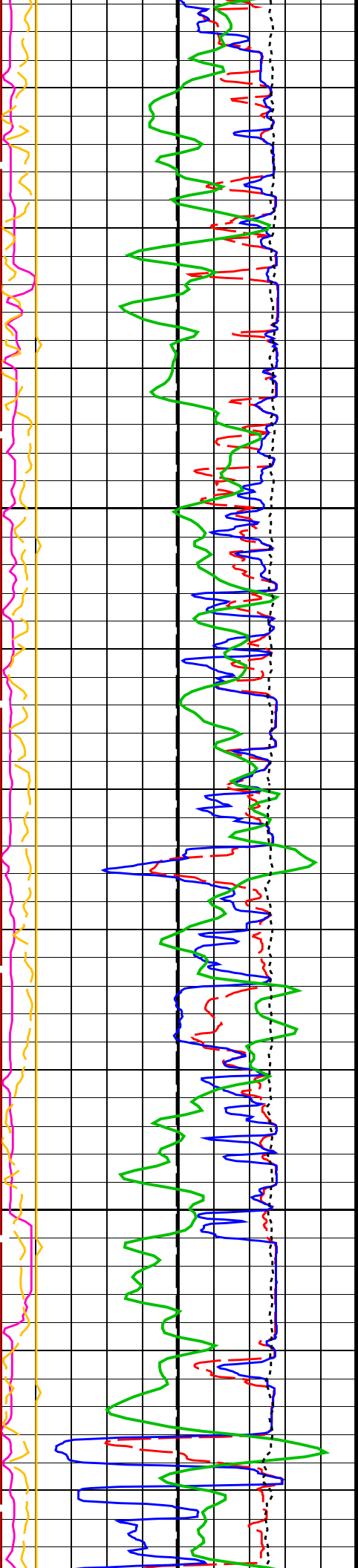




225

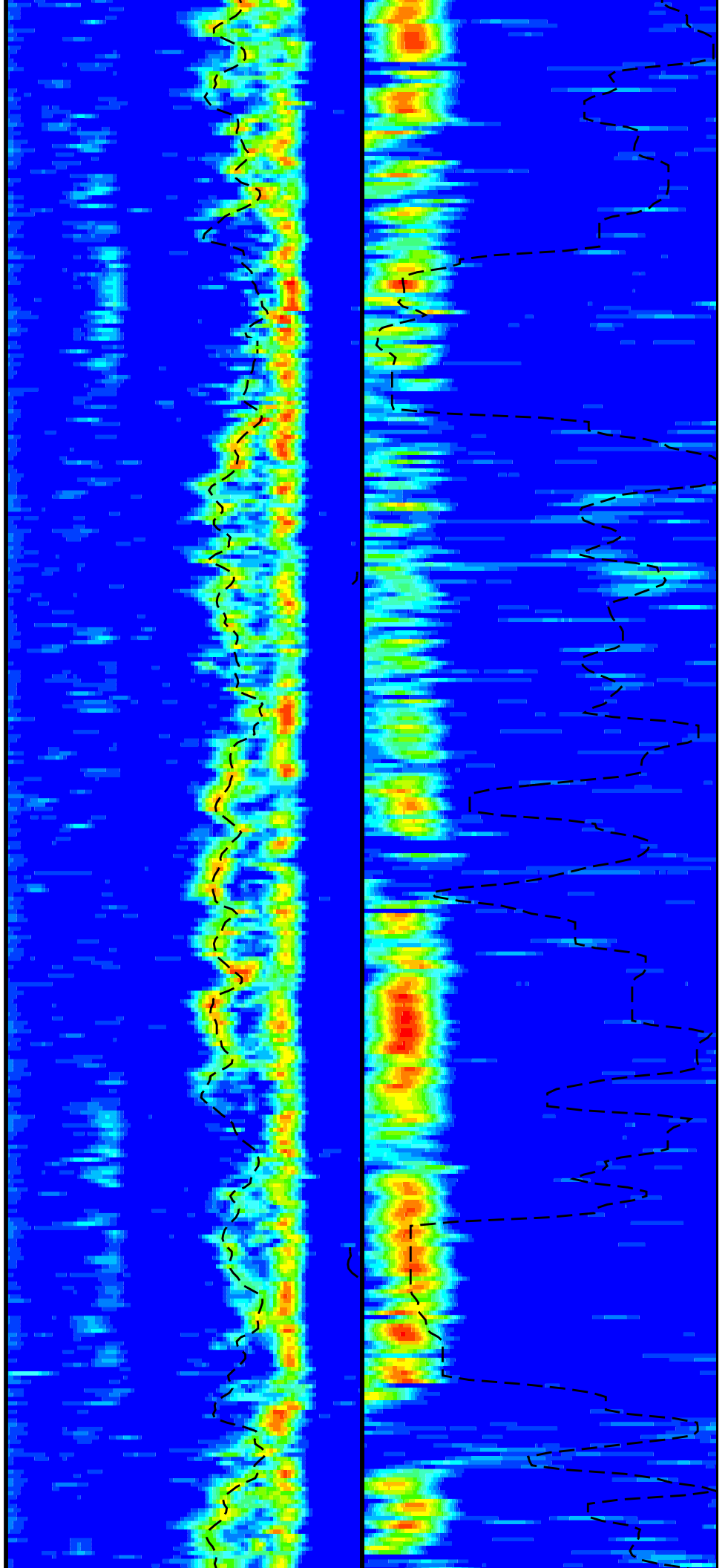
250

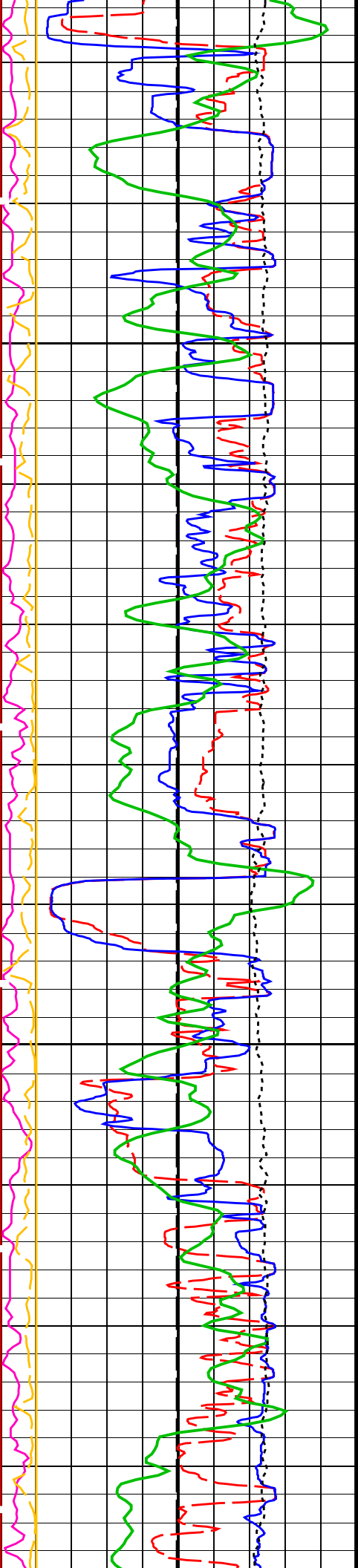




275

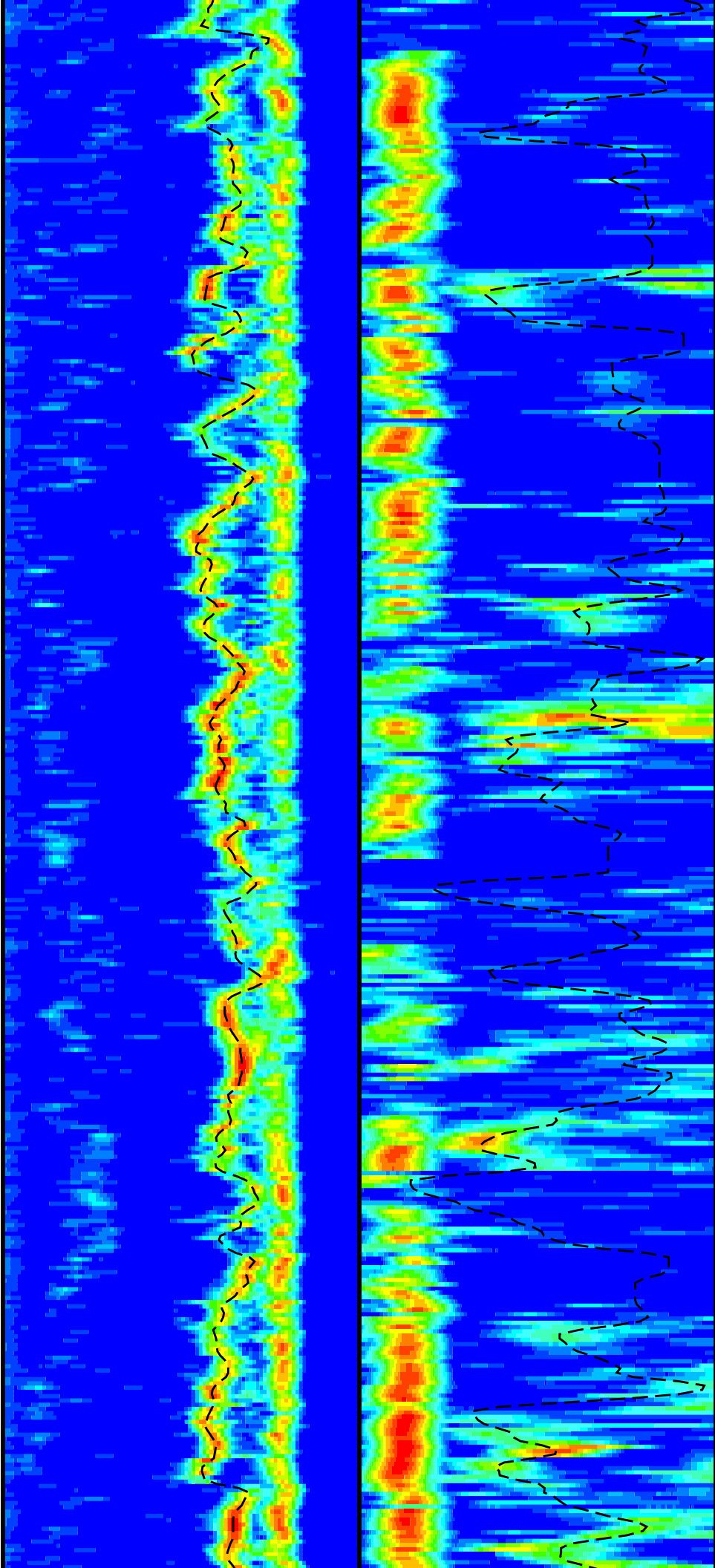
300

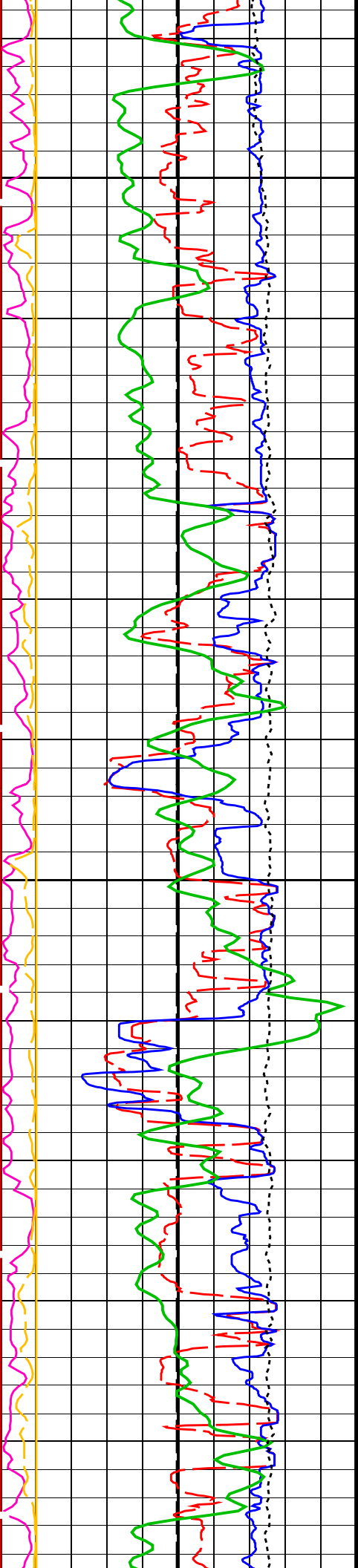




325

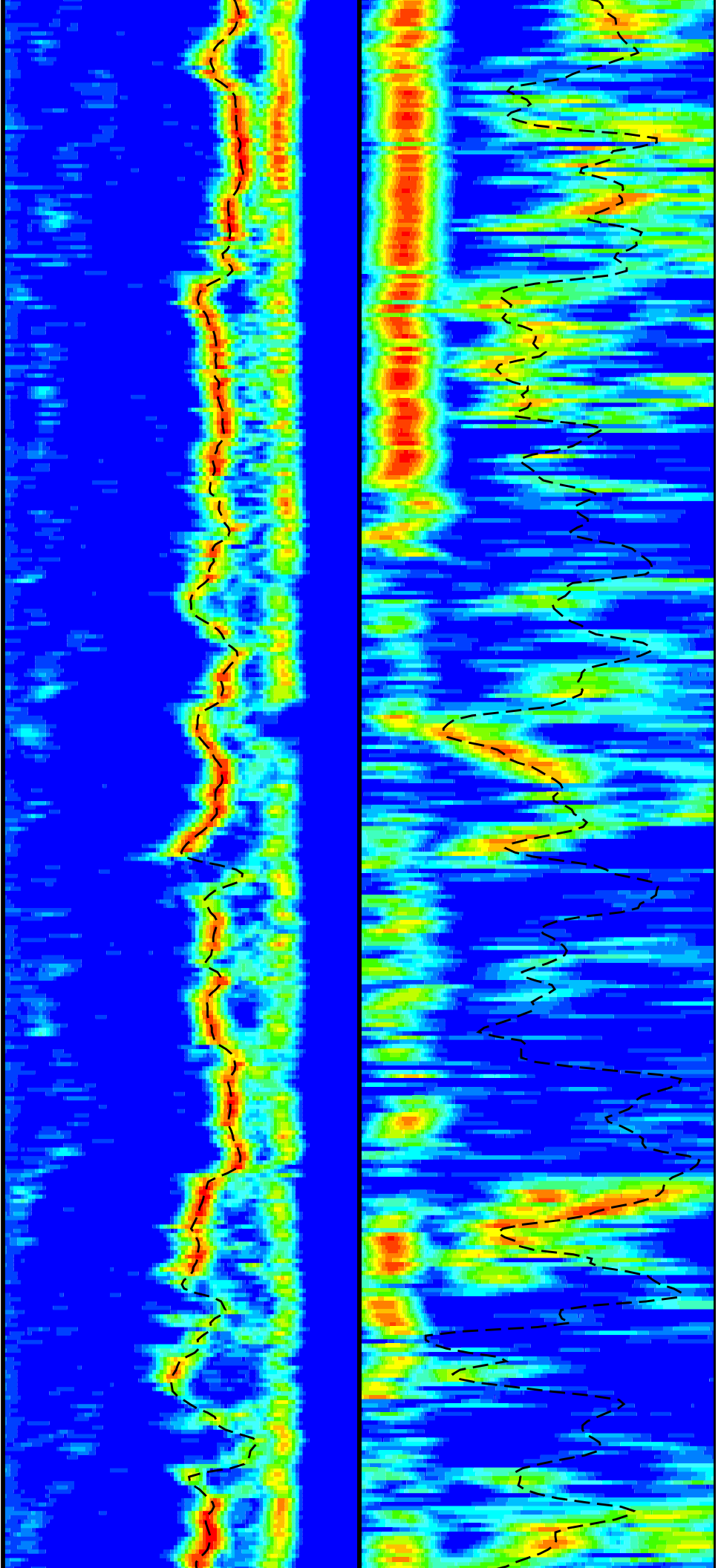
350

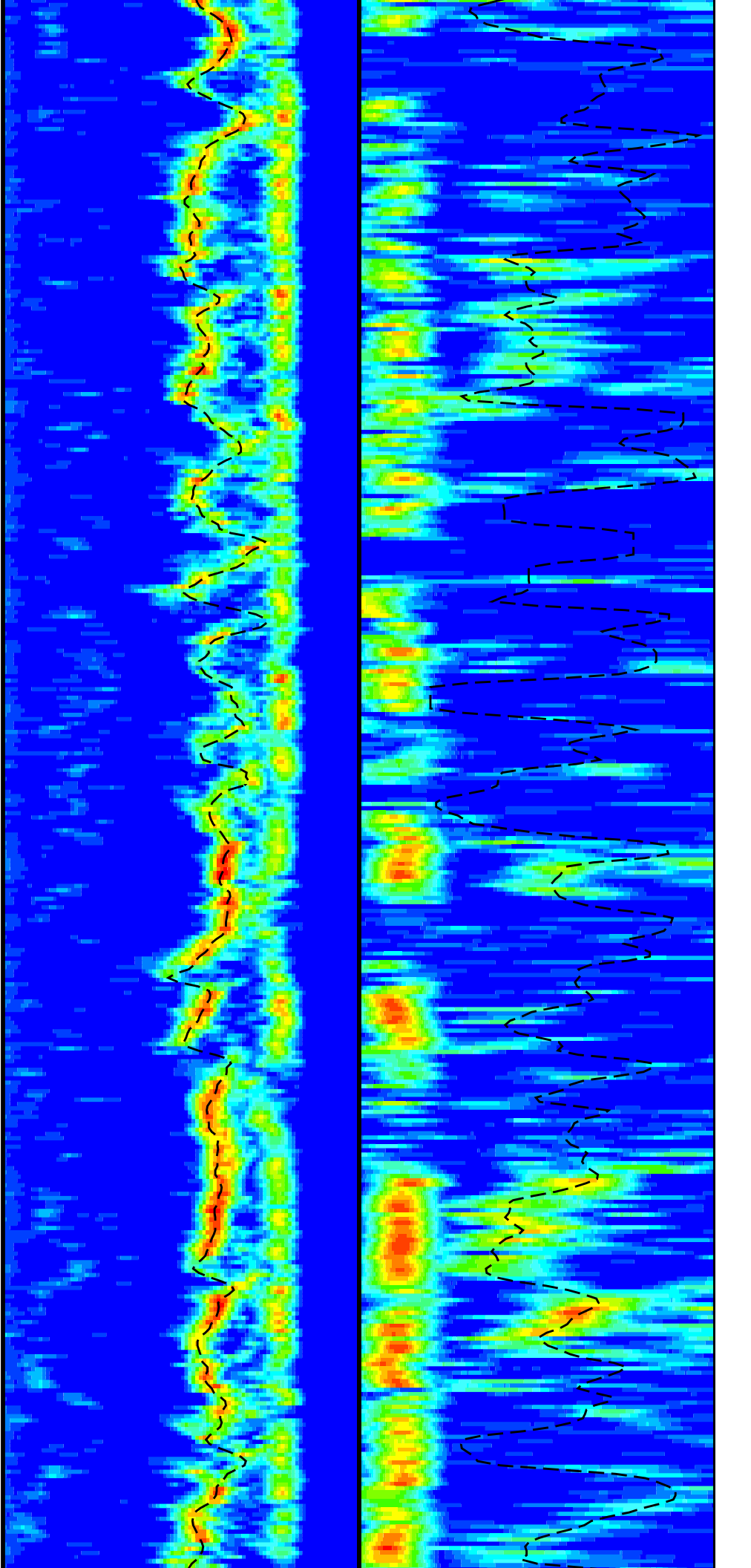
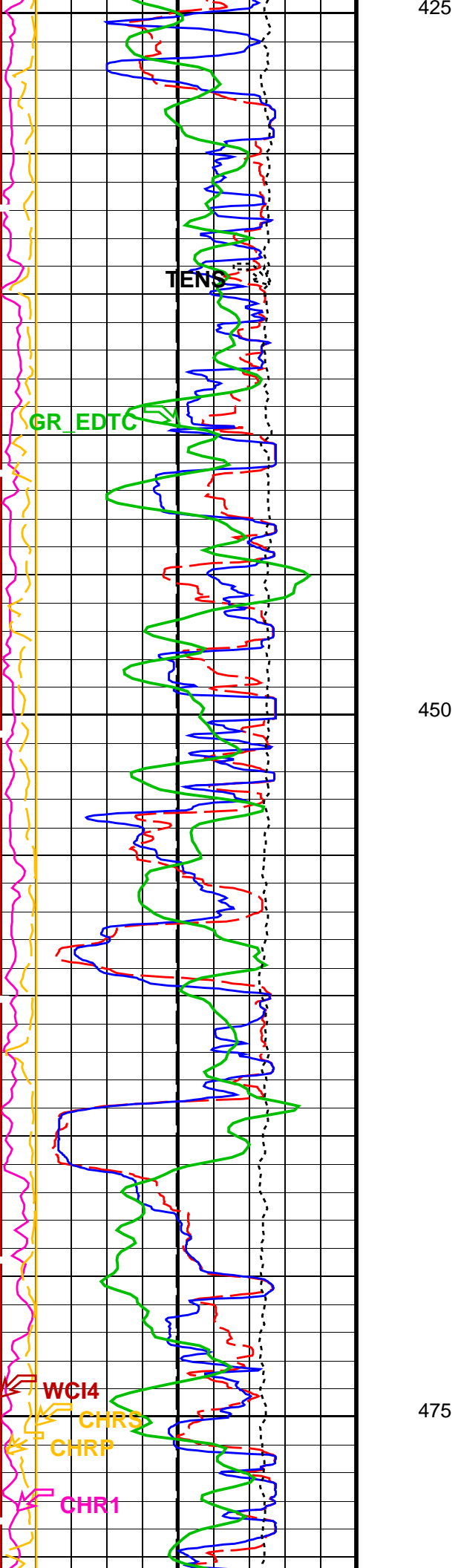


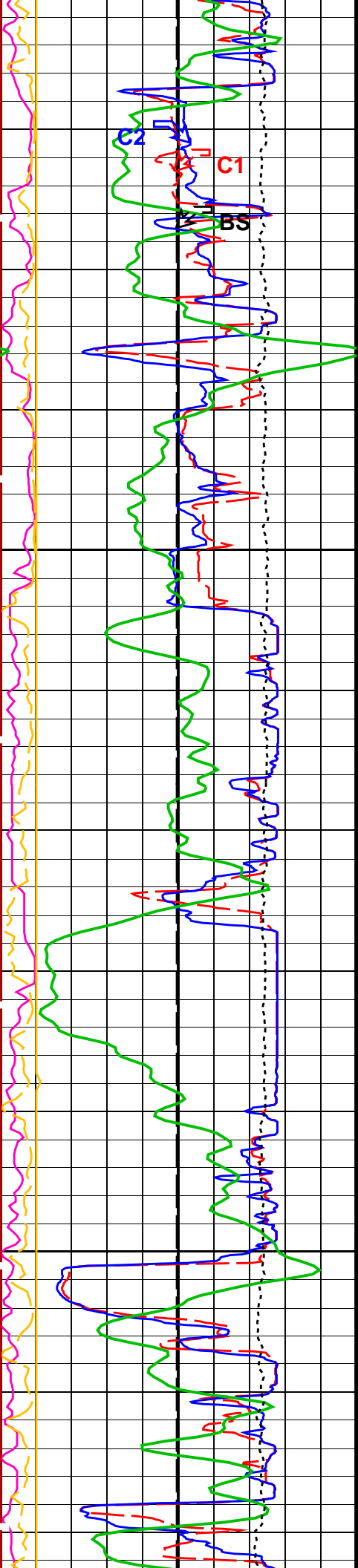


375

400

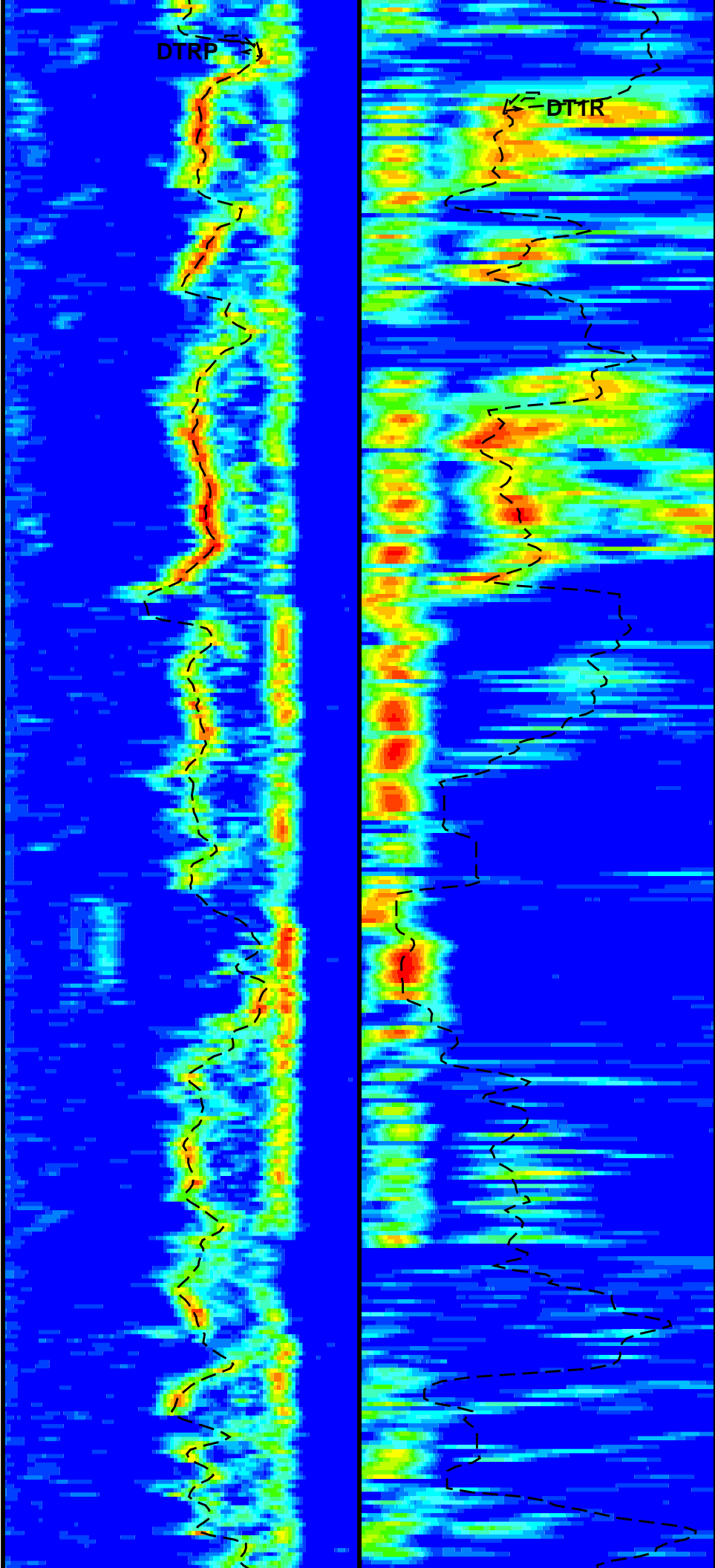






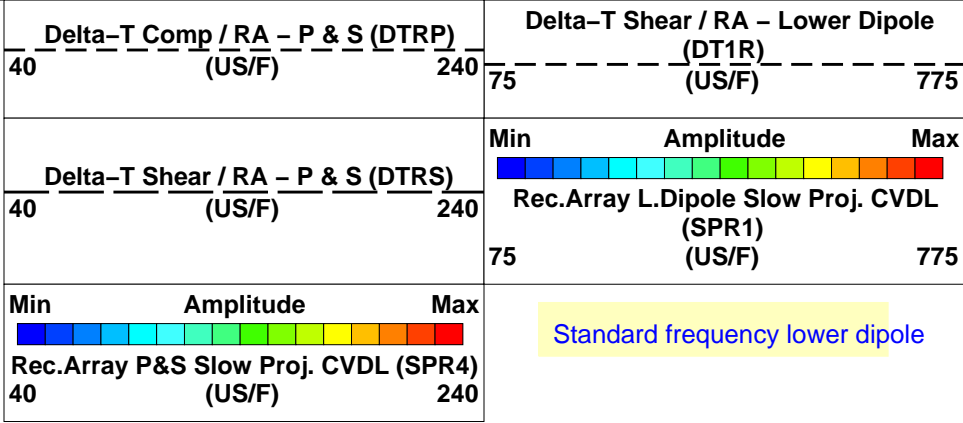
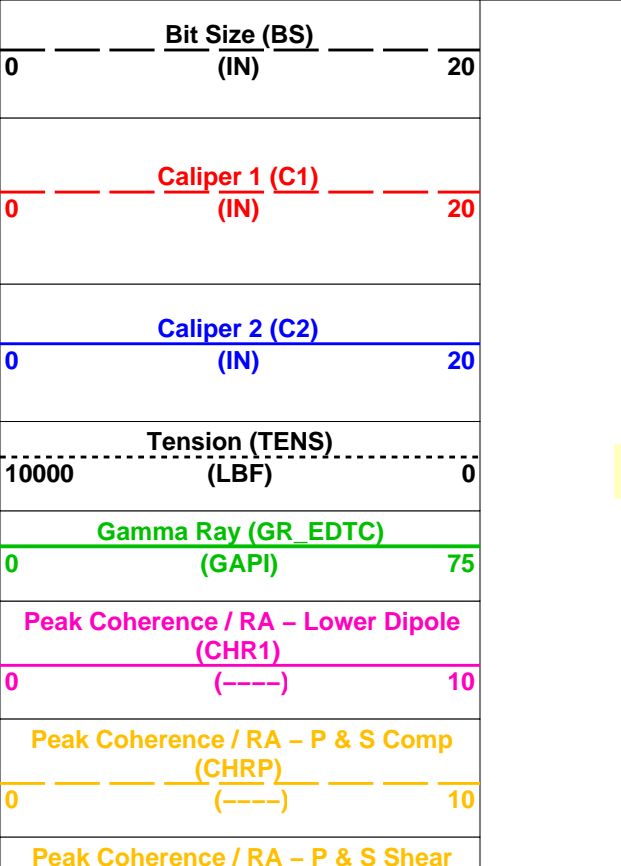
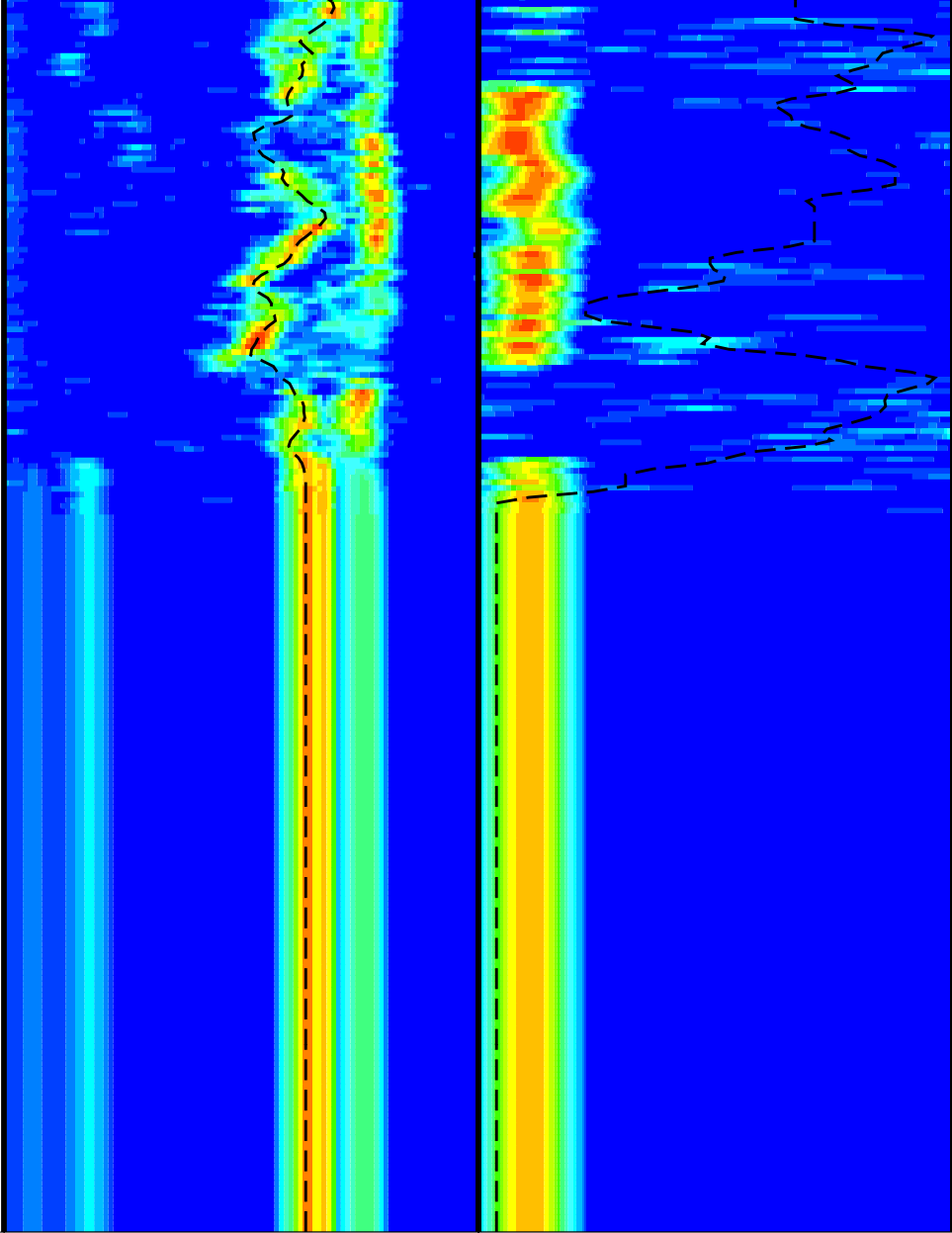
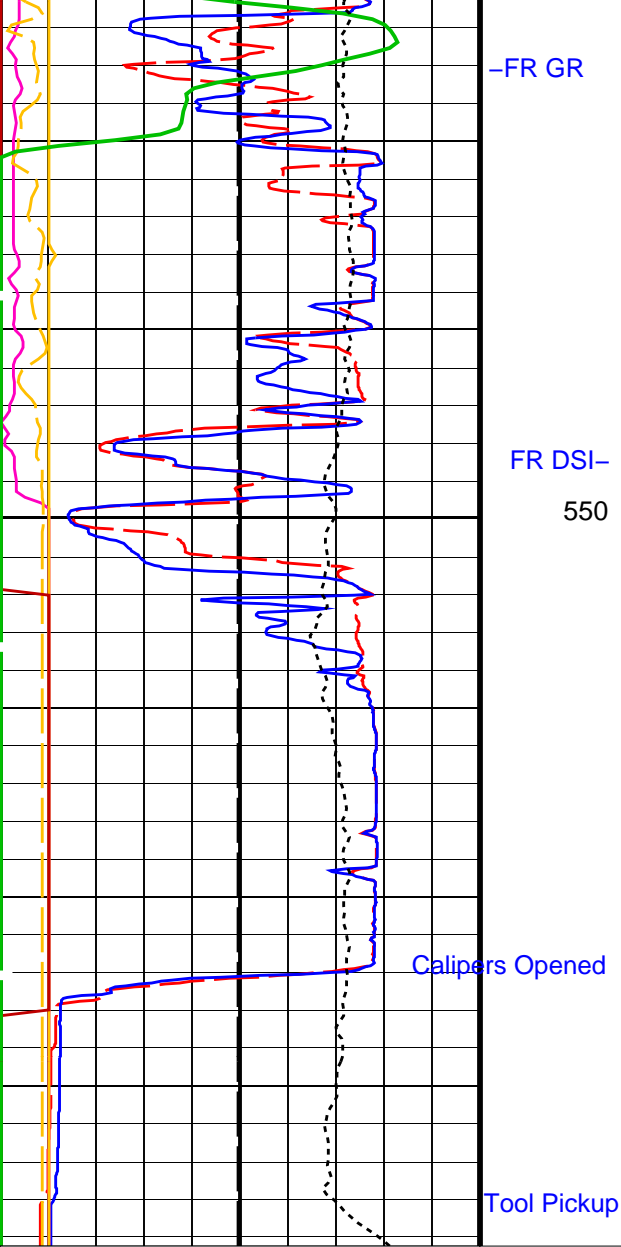
500

525



DTRP

DT1R



1st Pass, Sea Floor Depth Reference

-1	(CHRS)	9
	(-----)	
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(-----)	10

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	120 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	190 US/F
DDE1	Digitizing Delay 1	0 US
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
D LCS	Label Compressional Source – Dipole Shear	USE
DSHL	Label Slowness Lower Limit – Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	775 US/F
DSI1	Digitizer Sample Interval 1	40 US
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	189 US/F
DWC1	Digitizer Word Count 1	512
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
LTXG	Lower Dipole Transmitter Geometry	156 IN
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI1	Number Waveform Items 1	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
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	EVEN
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
SAS1	STC Sonic Array Status – Lower Dipole	255
SAS4	STC Sonic Array Status – Monopole P&S	255
SBO1	STC Search Band Offset – Lower Dipole	3000 US
SBO4	STC Search Band Offset – Monopole P&S	500 US
SBR4	STC Baseline Removal – Monopole P&S	ON
SBW1	STC Search Bandwidth – Lower Dipole	8000 US
SBW4	STC Search Bandwidth – Monopole P&S	2000 US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE
SFC4	STC Formation Character – Monopole P&S	SELECTABLE
SFM1	STC Filter – Lower Dipole	B1-2K
SFM4	STC Filter – Monopole P&S	B3-20K
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	230 US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240 US/F
SLL1	STC Slowness Lower Limit – Lower Dipole	75 US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40 US/F
SST1	STC Slowness Step – Lower Dipole	4 US/F
SST4	STC Slowness Step – Monopole P&S	2 US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1
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
SUL1	STC Slowness Upper Limit – Lower Dipole	775 US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240 US/F
SWD1	STC Slowness Width – Lower Dipole	40 US/F
SWD4	STC Slowness Width – Monopole P&S	10 US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0 US
TBE4	STC Time for Baseline Fill – Monopole P&S	300 US

TBP4	STC Time for Baseline Pn - Monopole P&S	300	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST1	STC Time Step - Lower Dipole	200	US
TST4	STC Time Step - Monopole P&S	50	US
TUL1	STC Time Upper Limit - Lower Dipole	15912.5	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
BHS	EDTC-B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	-654.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 02-Jan-2012 14:08

OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	EDTC-B	19C0-187

Input DLIS Files						
DEFAULT	FMS_DSI_036LUP	FN:36	PRODUCER	02-Jan-2012 10:40	1223.2 M	795.1 M
Output DLIS Files						
DEFAULT	FMS_DSI_038PUP	FN:40	PRODUCER	02-Jan-2012 14:08		
BACKUPDLIS	FMS_DSI_038PUP	FN:41	PRODUCER	02-Jan-2012 14:08		

Company: Lamont Doherty Well: Expedition 339, Site U1389 GC-11A Hole E

Input DLIS Files						
DEFAULT	FMS_DSI_036LUP	FN:36	PRODUCER	02-Jan-2012 10:40	1223.2 M	795.1 M
Output DLIS Files						
DEFAULT	FMS_DSI_038PUP	FN:40	PRODUCER	02-Jan-2012 14:08	569.2 M	141.2 M
BACKUPDLIS	FMS_DSI_038PUP	FN:41	PRODUCER	02-Jan-2012 14:08	569.2 M	141.2 M

OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	EDTC-B	19C0-187

PIP SUMMARY

<input type="checkbox"/> Time Mark Every 60 S		
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----)	10
<hr/>		
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
<hr/>		
Peak Coherence / RA - P & S Comp (CHRP)		
0	(----)	10
<hr/>		
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
<hr/>		
Gamma Ray (GR - EDTG)		

0 (GAPI) 75

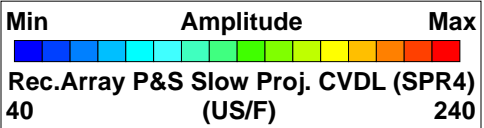
Tension (TENS) (LBF) 10000 0

Caliper 1 (C1) (IN) 0 20

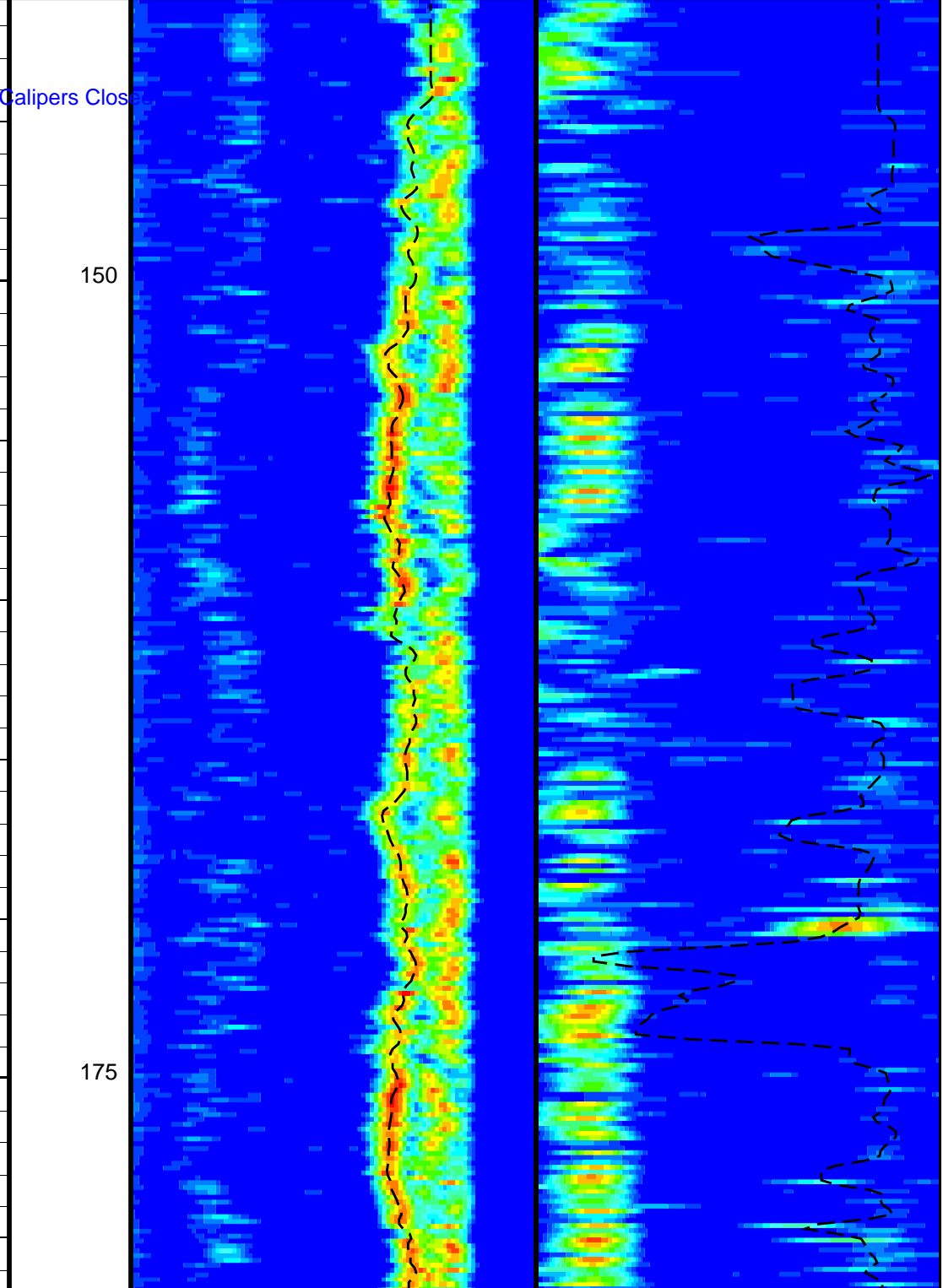
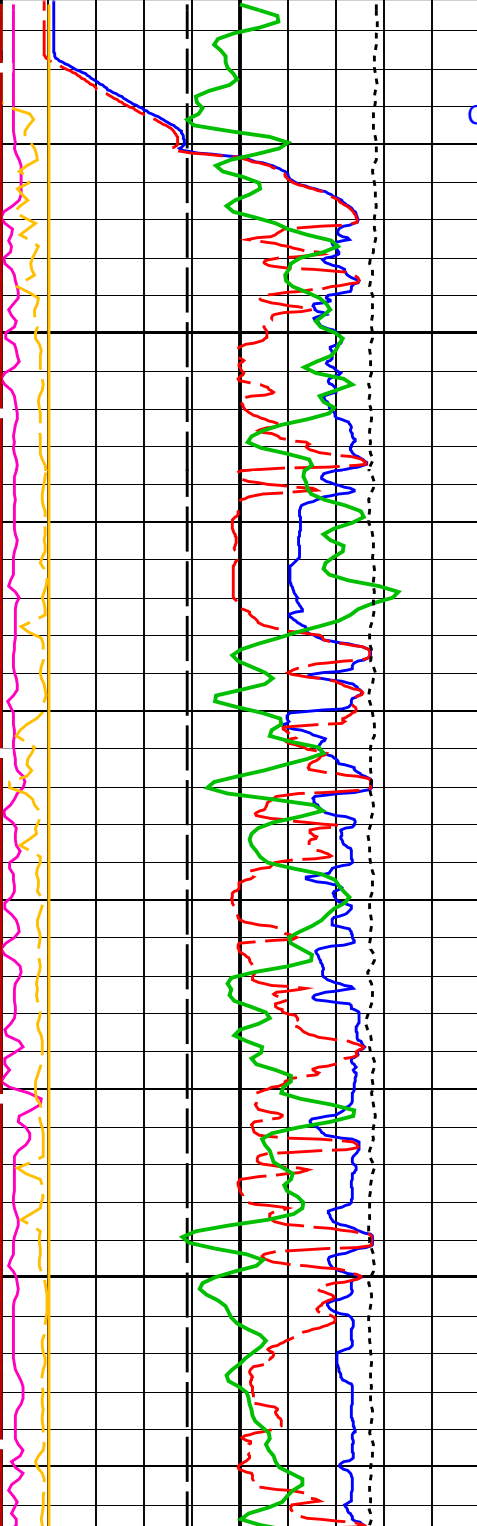
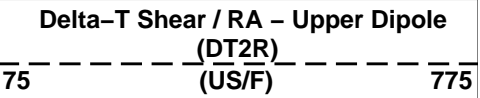
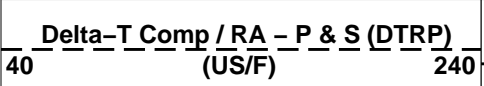
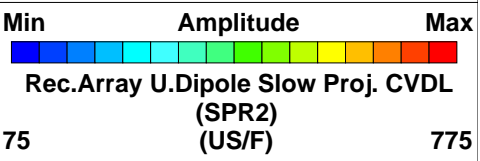
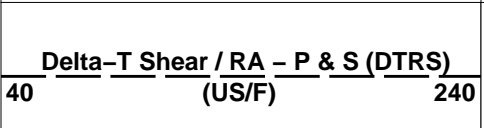
Caliper 2 (C2) (IN) 0 20

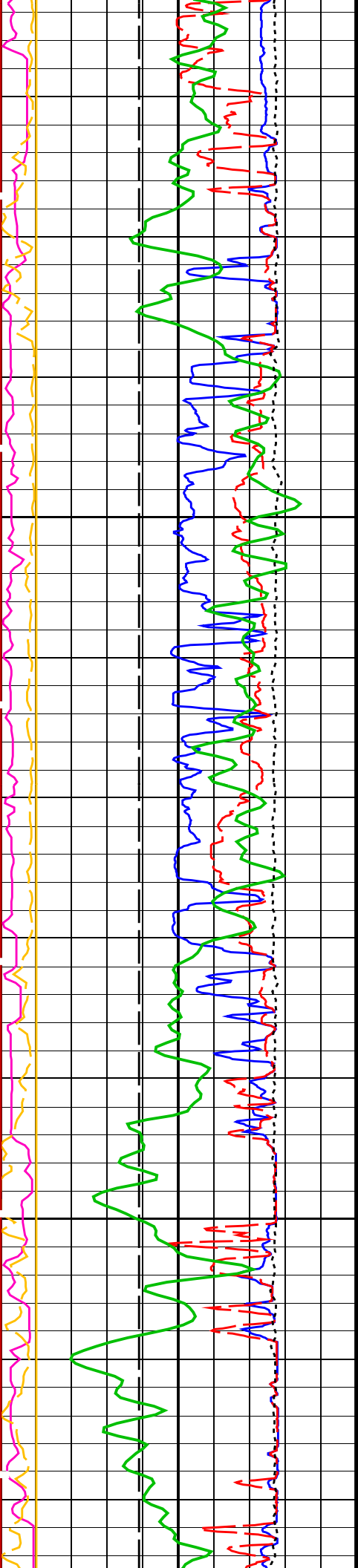
Bit Size (BS) (IN) 6 16

1st Pass, Sea Floor Depth Reference



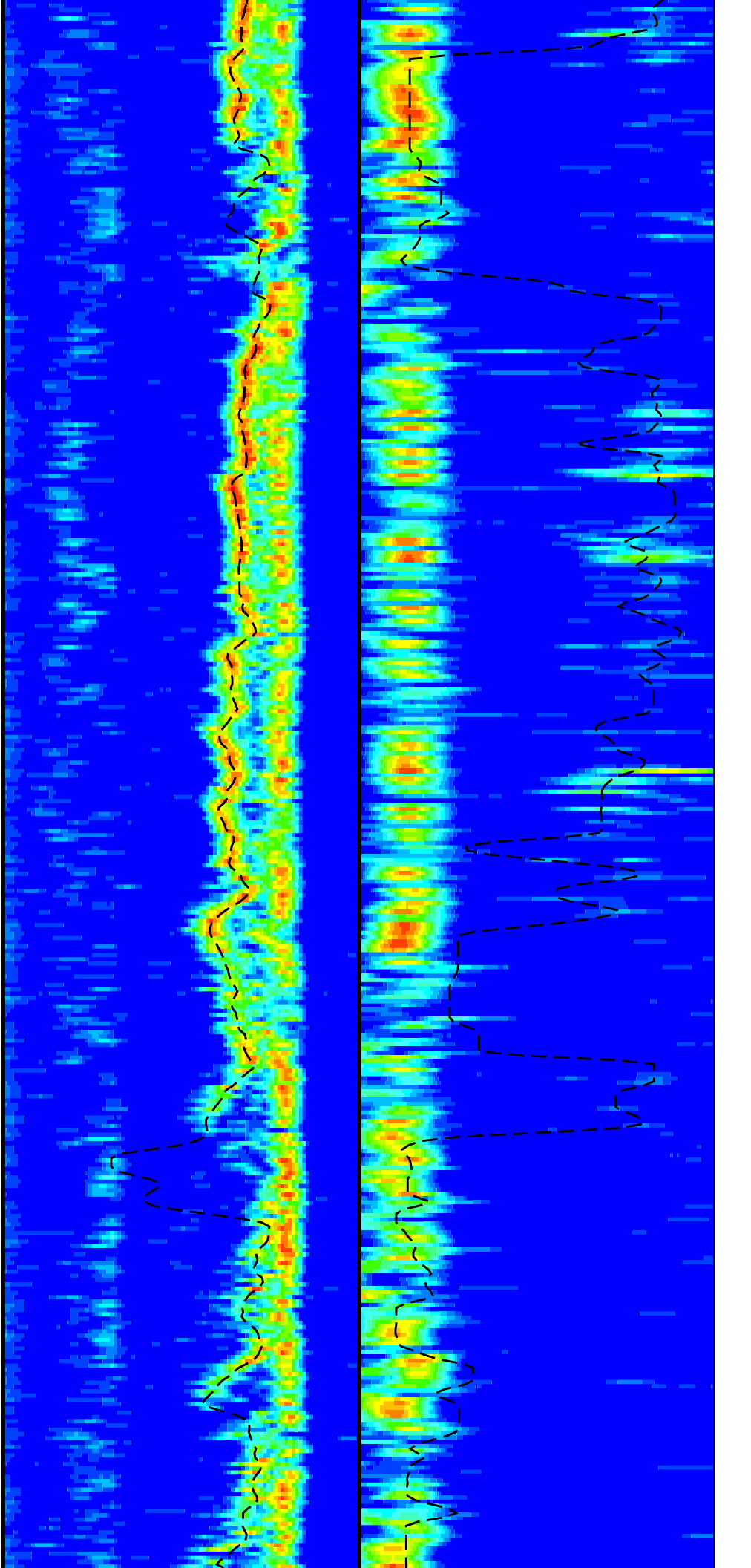
Standard frequency upper dipole

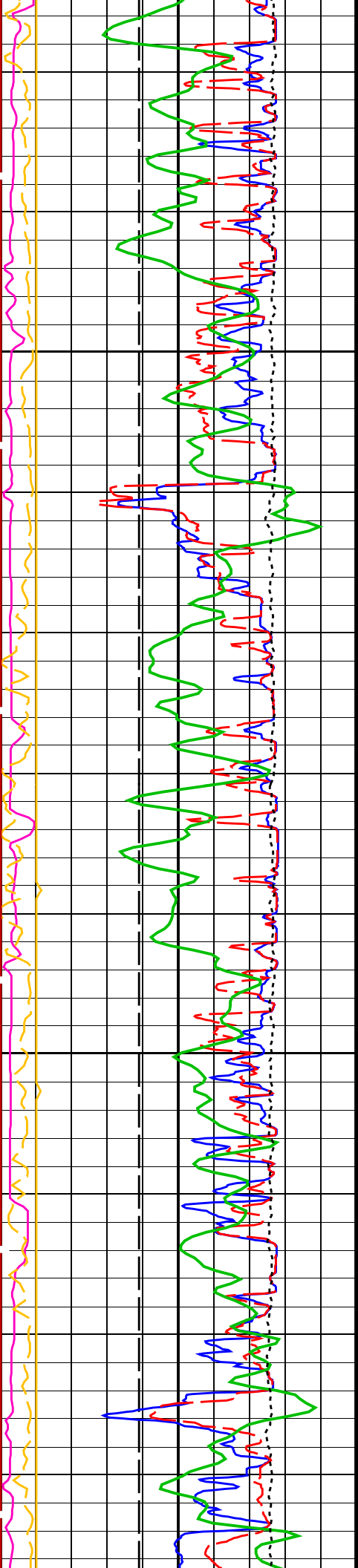




200

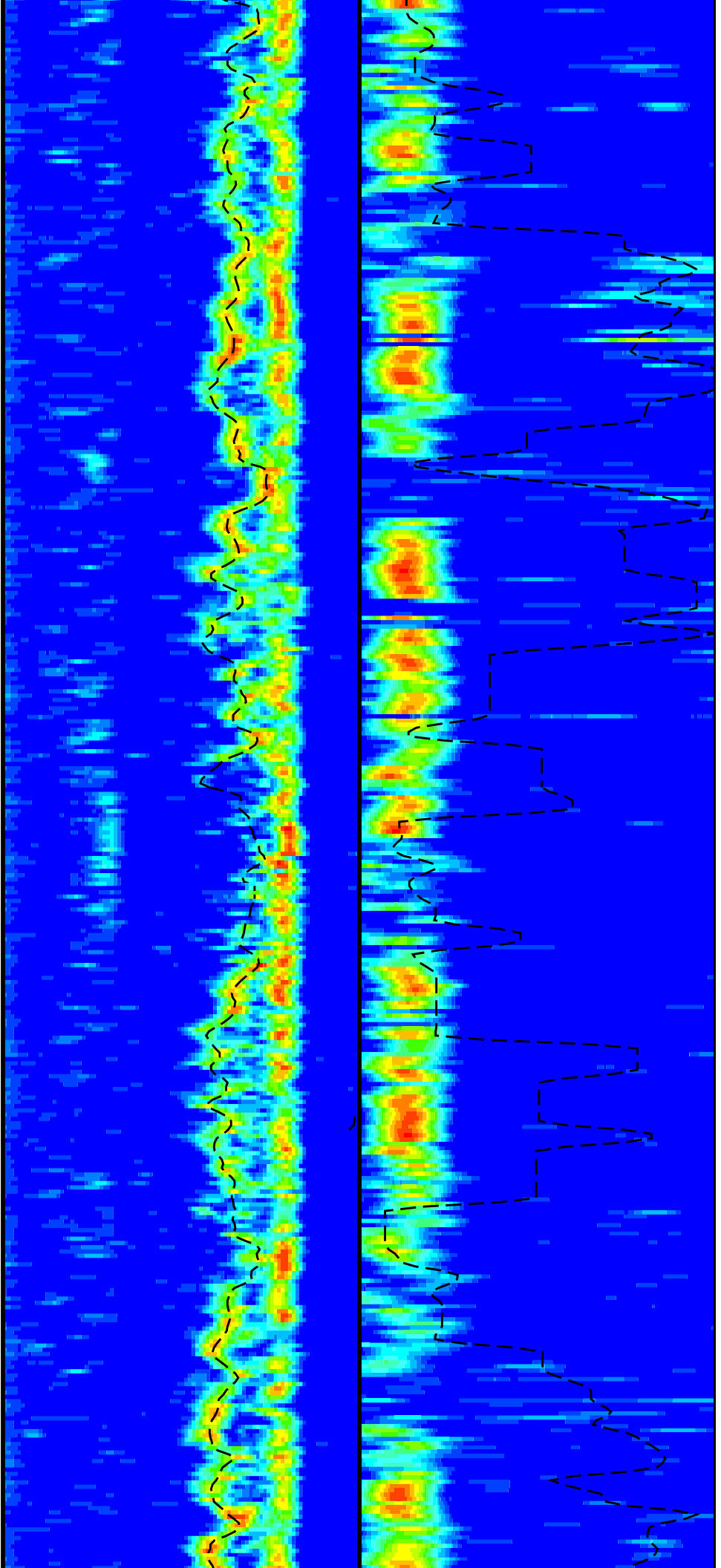
225

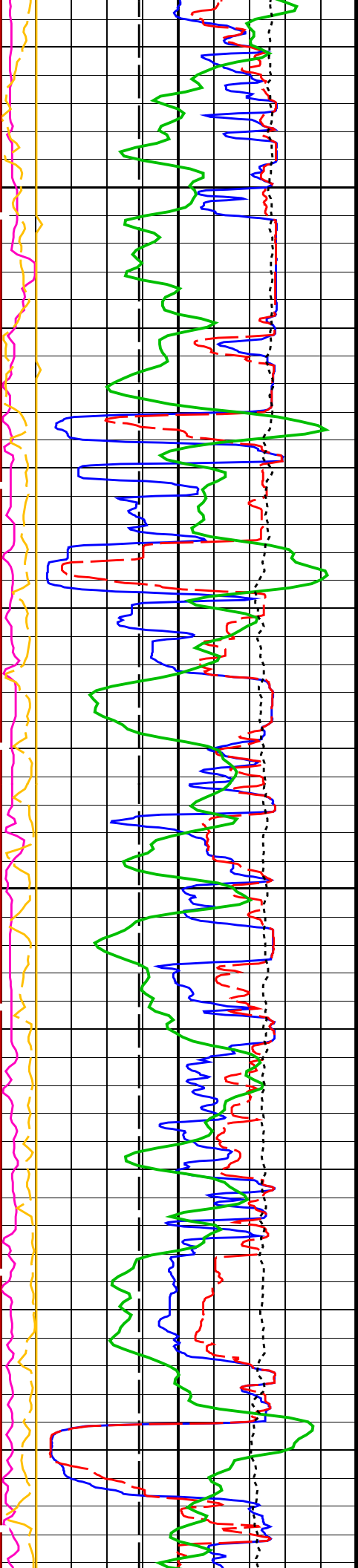




250

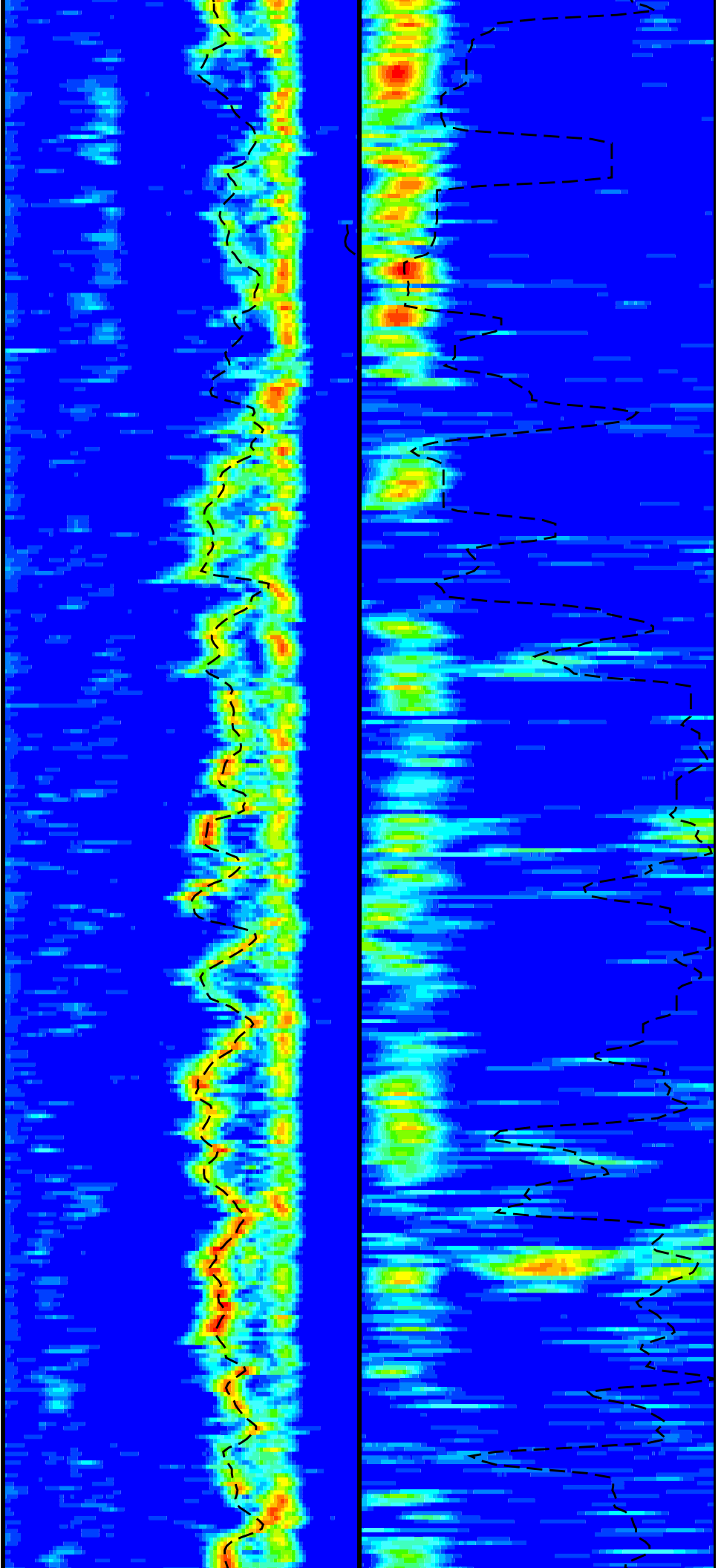
275

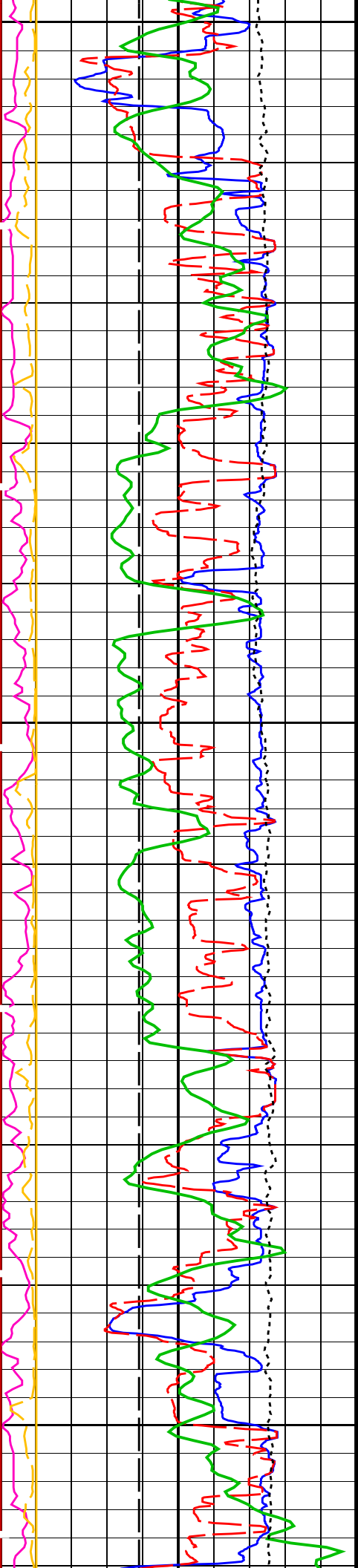




300

325

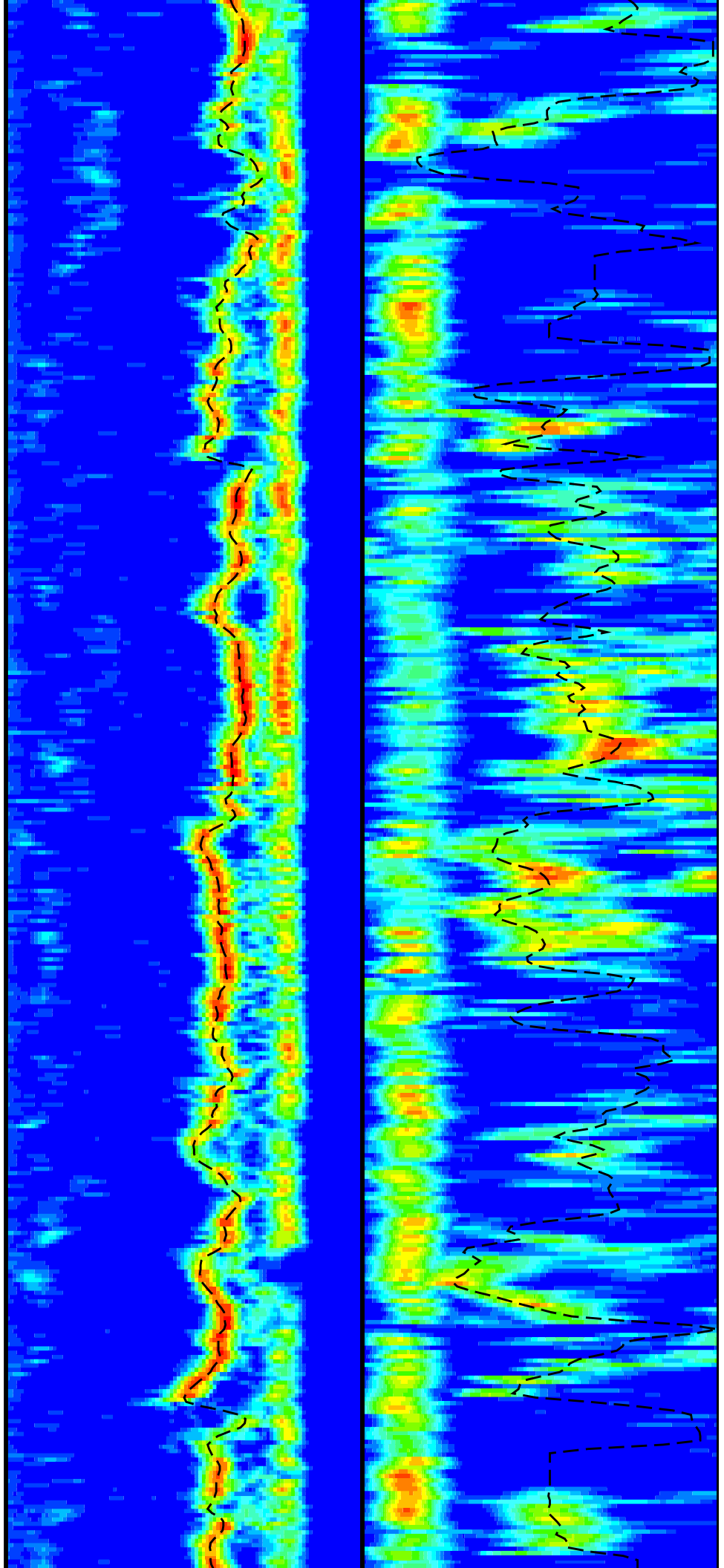


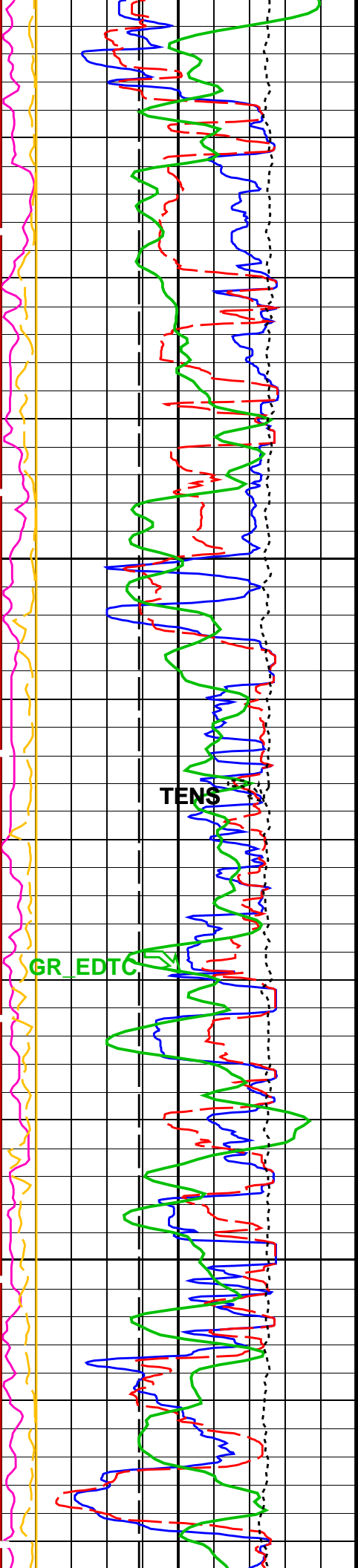


350

375

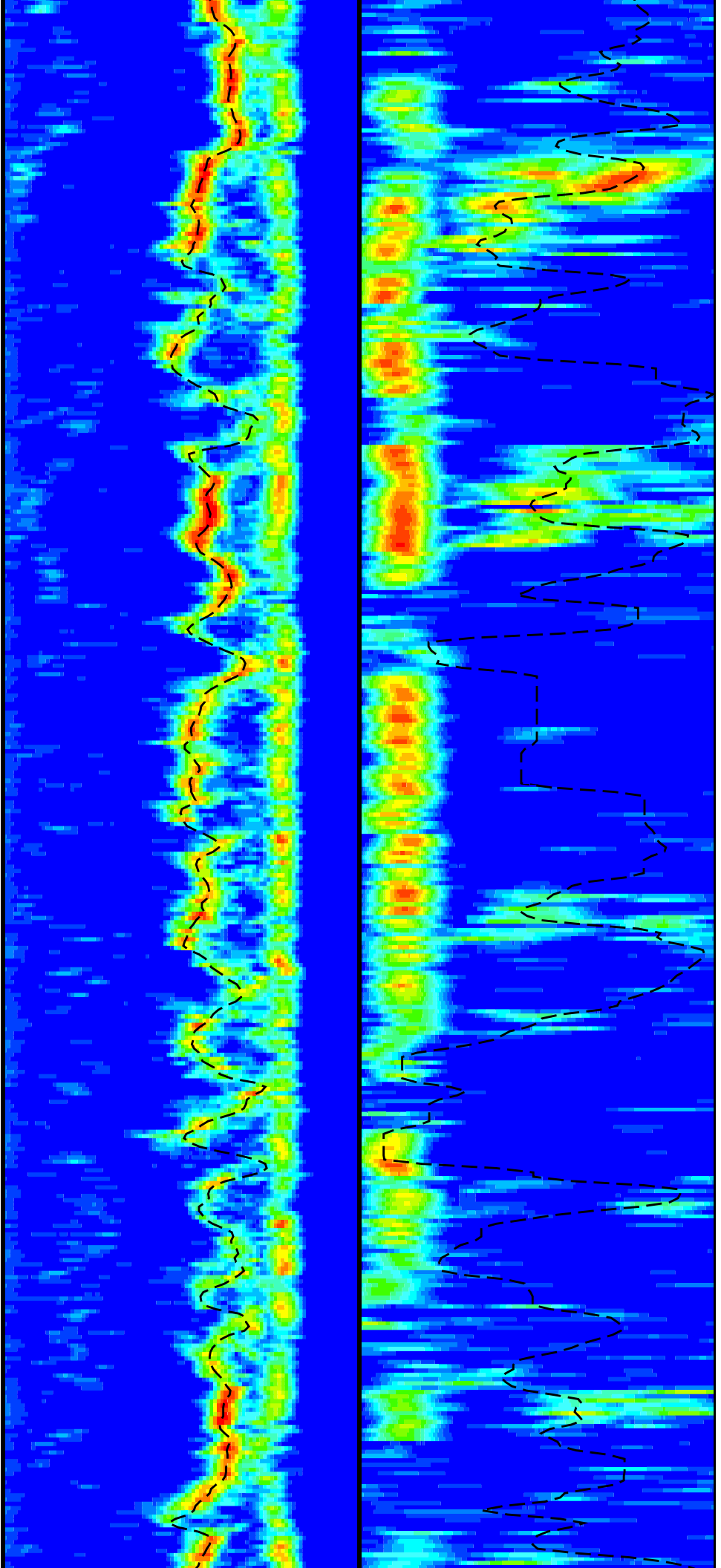
400

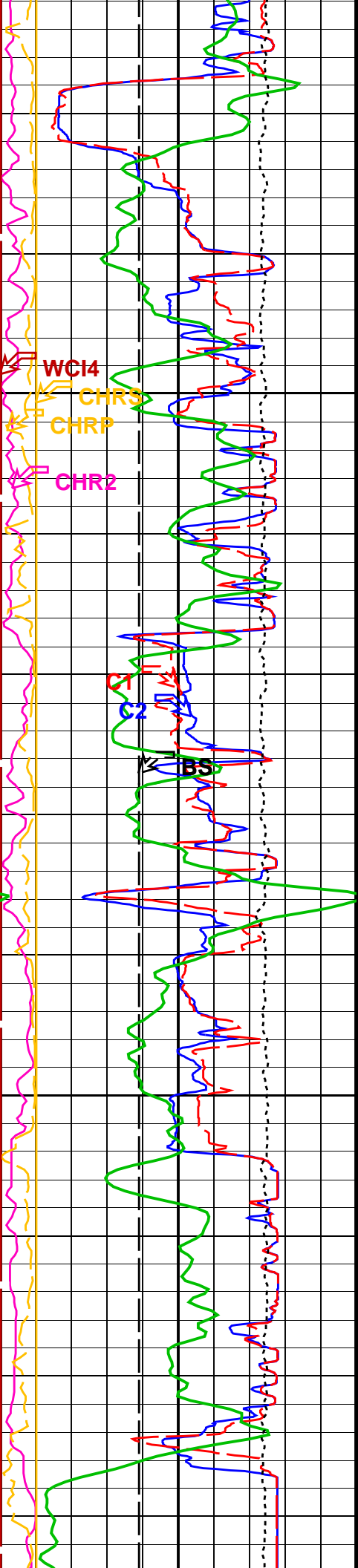




425

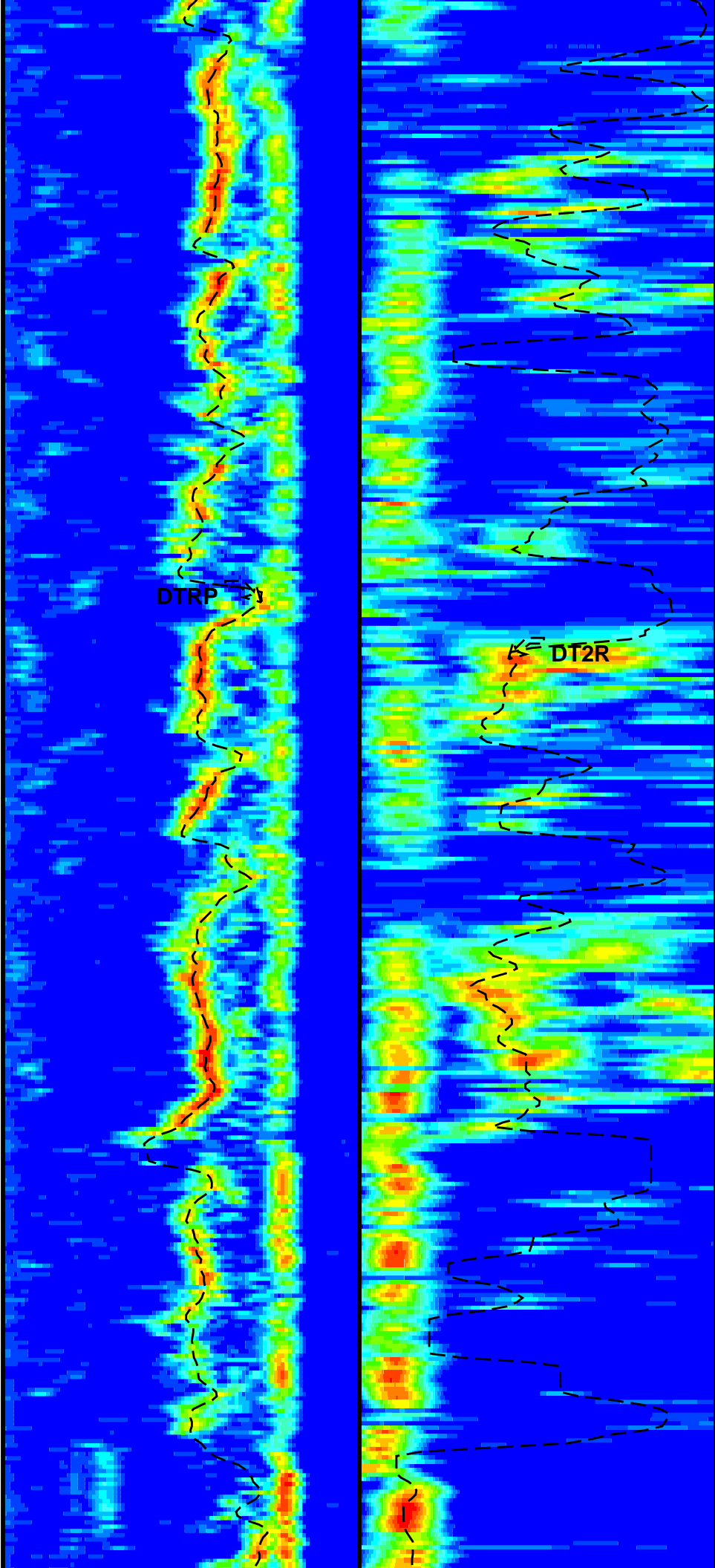
450





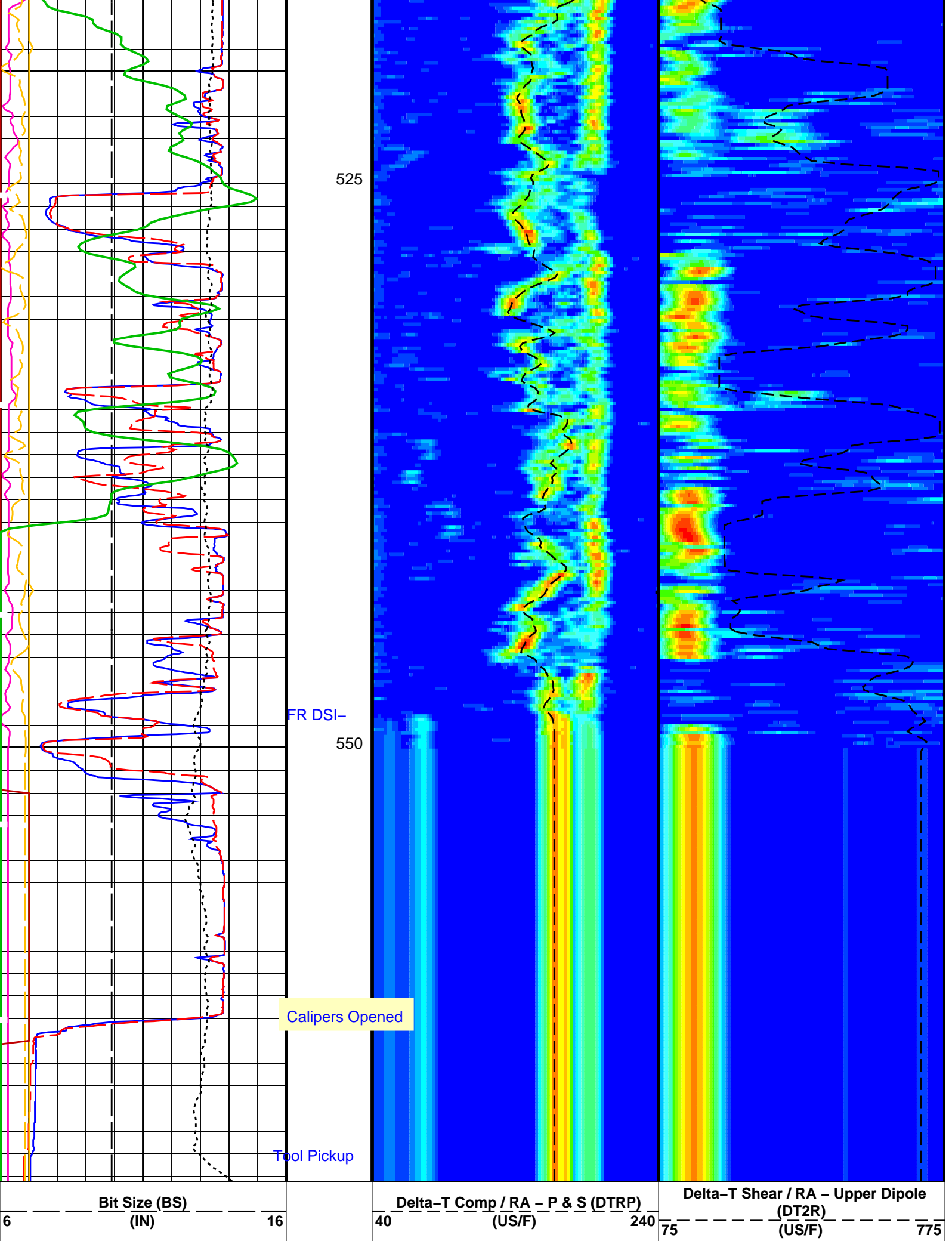
475

500



DTRP

DT2R



Caliper 2 (C2)		
0	(IN)	20
Caliper 1 (C1)		
0	(IN)	20
Tension (TENS)		
10000	(LBF)	0
Gamma Ray (GR_EDTC)		
0	(GAPI)	75
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(----)	10
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

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

Min	Amplitude	Max
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)		
75	(US/F)	775

1st Pass, Sea Floor Depth Reference

Standard frequency upper dipole

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	120 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	190 US/F
DDE2	Digitizing Delay 2	0 US
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	75 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	775 US/F
DSI2	Digitizer Sample Interval 2	40 US
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	189 US/F
DWC2	Digitizer Word Count 2	512
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
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
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN

DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert

SAMX			OFF	
SAS2	STC Sonic Array Status – Upper Dipole		255	
SAS4	STC Sonic Array Status – Monopole P&S		255	
SBO2	STC Search Band Offset – Upper Dipole		3000	US
SBO4	STC Search Band Offset – Monopole P&S		500	US
SBR4	STC Baseline Removal – Monopole P&S		ON	
SBW2	STC Search Bandwidth – Upper Dipole		8000	US
SBW4	STC Search Bandwidth – Monopole P&S		2000	US
SFC2	STC Formation Character – Upper Dipole		SELECTABLE	
SFC4	STC Formation Character – Monopole P&S		SELECTABLE	
SFM2	STC Filter – Upper Dipole		B1–2K	
SFM4	STC Filter – Monopole P&S		B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear		230	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear		240	US/F
SLL2	STC Slowness Lower Limit – Upper Dipole		75	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S		40	US/F
SST2	STC Slowness Step – Upper Dipole		4	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
SUL2	STC Slowness Upper Limit – Upper Dipole		775	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S		240	US/F
SWD2	STC Slowness Width – Upper Dipole		40	US/F
SWD4	STC Slowness Width – Monopole P&S		10	US/F
TBF2	STC Time for Baseline Fill – Upper Dipole		0	US
TBF4	STC Time for Baseline Fill – Monopole P&S		300	US
TLL2	STC Time Lower Limit – Upper Dipole		600	US
TLL4	STC Time Lower Limit – Monopole P&S		150	US
TST2	STC Time Step – Upper Dipole		200	US
TST4	STC Time Step – Monopole P&S		50	US
TUL2	STC Time Upper Limit – Upper Dipole		15525	US
TUL4	STC Time Upper Limit – Monopole P&S		3660	US
TWD2	STC Time Width – Upper Dipole		2000	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	
EDTC–B: Enhanced DTS Cartridge				
BHS	Borehole Status		OPEN	
System and Miscellaneous				
BS	Bit Size		9.875	IN
DO	Depth Offset for Playback		–654.0	M
PP	Playback Processing		NORMAL	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 02–Jan–2012 14:08

OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	EDTC–B	19C0–187

Input DLIS Files

DEFAULT	FMS_DSI_036LUP	FN:36	PRODUCER	02–Jan–2012 10:40	1223.2 M	795.1 M
---------	----------------	-------	----------	-------------------	----------	---------

Output DLIS Files

DEFAULT	FMS_DSI_038PUP	FN:40	PRODUCER	02–Jan–2012 14:08
BACKUPDLIS	FMS_DSI_038PUP	FN:41	PRODUCER	02–Jan–2012 14:08

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner – B (Slim) Wellsite Calibration – Caliper Calibration							
Before: Calibration out of date 27–Nov–2011 1:38							
Caliper 1 Zero Measurement	11.88	N/A	11.99	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	11.88	N/A	12.02	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.16	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.32	N/A	N/A	N/A	IN

Caliper 2 P1 Measurement								15.19	N/A	15.32	N/A	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY															
Before: 2-Jan-2012 9:06															
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY															
Before: 2-Jan-2012 9:06															
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration															
Before: 2-Jan-2012 1:11															
EDTC Z-Axis Acceleration	9.810	N/A	9.755	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration															
Before: 27-Dec-2011 9:12															
Gamma Ray (Jig – Bkg)	160.1	N/A	160.1	N/A	N/A	N/A	14.56	GAPI							
Gamma Ray (Calibrated)	164.0	N/A	164.0	N/A	N/A	N/A	15.00	GAPI							

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	770
MEST Preamplifier Cartridge – AB	MEPC – AB	807
GPIT Cartridge – A	GPIC – A	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	726

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

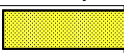


EDTC Accelerometer Calibration

Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.755
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	

Before: 2-Jan-2012 1:11

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		6.619	Before		160.1	Before		164.0
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			145.6 (Minimum) 160.1 (Nominal) 174.7 (Maximum)			149.0 (Minimum) 164.0 (Nominal) 179.0 (Maximum)	

Before: 27-Dec-2011 9:12

Company: **Lamont Doherty**

Schlumberger

Well: **Expedition 339, Site U1389 GC-11A Hole E**

Field: **Mediterranean Outflow (Portugal)**

Rig: **JOIDES Resolution**

Ocean: **Atlantic**

Dipole Shear Sonic Imager
P&S Compressional, Dipole Shear
Gamma Ray