

Company: Lamont Doherty
Well: Expedition 318 Site U1359D
Field: Wilkes Land
Rig: JOIDES Resolution **Country: Antarctica**

Rig: JOIDES Resolution
Field: Wilkes Land
Location: Latitude: S 64.904 Deg
Well: Expedition 318 Site U1359D
Company: Lamont Doherty

Diopole Shear Sonic (DSI) Natural Gamma Ray Spectroscopy (HNGB)		Latitude: S 64.904 Deg Longitude: E 143.9593 Deg	Elev.: K.B. 11.00 m G.L. -3012.00 m D.F. 11.00 m
Permanent Datum: _____ Log Measured From: _____ Drilling Measured From: _____	Mean Sea Level _____ Drill Floor _____ Drill Floor _____	Elev.: 0.00 m _____ 11.00 m above Perm. Datum	
API Serial No. _____			

Logging Date	23-Feb-2010	
Run Number	1	
Depth Driller	3625.2 m	
Schlumberger Depth	3626 m	
Bottom Log Interval	3608 m	
Top Log Interval	3010 m	
Casing Driller Size @ Depth	0.000 in @	3119.9 m @
Casing Schlumberger	3122 m	
Bit Size	9.875 in	
Type Fluid In Hole	Sepiolite Sea Water Gel + Barite	
Density	1.22 g/cm3	
Fluid Loss		
Source Of Sample		
RM @ Measured Temperature	@	@
RMF @ Measured Temperature	@	@
RMC @ Measured Temperature	@	@
Source RMF	RMC	
RM @ MRT	RMF @ MRT	
	@ 12	@ 12
Maximum Recorded Temperatures	12 degC	
Circulation Stopped	Time	
Logger On Bottom	23-Feb-2010	12:40
Unit Number	625003	Webster
Recorded By	K. Swain	
Witnessed By	T. Williams, A. Fehr	

Logging Date				Run 1	Run 2	Run
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						
Fluid Loss						
Source Of Sample						
RM @ Measured Temperature		@				
RMF @ Measured Temperature		@				
RMC @ Measured Temperature		@				
Source RMF		RMC				
RM @ MRT		RMF @ MRT				
		@	@			
Maximum Recorded Temperatures						
Circulation Stopped		Time				
Logger On Bottom		Time				
Unit Number		Location				
Recorded By						
Witnessed By						

DISCLAIMER
 THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1
 OS1: APS/HLDS/DITE
 OS2: FMS
 OS3: VSI
 OS4:
 OS5:

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

REMARKS: RUN NUMBER 1
 Depths referenced from rig floor in mbrf.

REMARKS: RUN NUMBER 2

Tools run slick without stand offs as per normal operation to fit inside pipe.
 Logging is performed through drill pipe for open hole logging.

MCD-G centralizer tools run above and below Dipole Sonic to provide centralization for Sonic tool.

DSI reprocessed on MAXIS to attempt to provide compressional estimate below:

Uplog 1: File 16 playback to file 31 using DLCS=dont use, DSHL=100, DSHU=250

Uplog 2: File 17 playback to file 30 using "

Uplog 3: File 19 playback to file 29 using "

The DT2R curve was reprocessed with above params to estimate compressional and provided to science staff for a more continuous compressional DT in areas where compressional DT was not labeled correctly or where compressional was attenuated and only mud wave DT was recorded.

Geoframe Best DT recommended for final processing of compressional and dipole shear as labeling is not continuous throughout log.

RUN 2

SERVICE ORDER #:
 PROGRAM VERSION:
 FLUID LEVEL:

RUN 1		
SERVICE ORDER #:		
PROGRAM VERSION:	17C0-154	
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

RUN 2		
SERVICE ORDER #:		
PROGRAM VERSION:		
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION




RUN 1

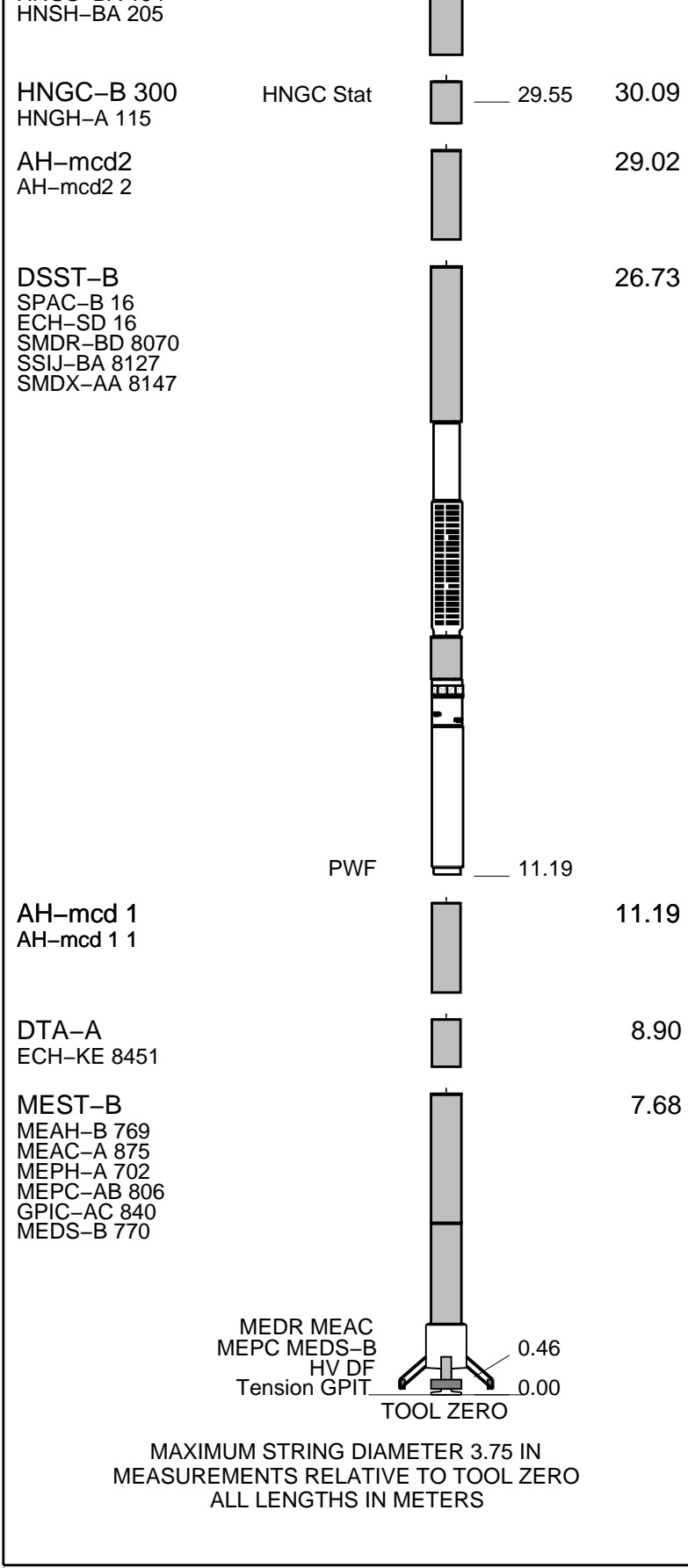
SURFACE EQUIPMENT

GSR-U 616008
 WITM (DTS)-A

RUN 2

DOWNHOLE EQUIPMENT

LEH-QT			34.39
LEH-QT 1750			
DTC-H	CTEM		33.22
ECH-KC 9842	TelStatus		
	ToolStatu		32.59
HNGS-BA 194	Upper_1		31.89
HNGS-BA 194	Lower_2		31.67



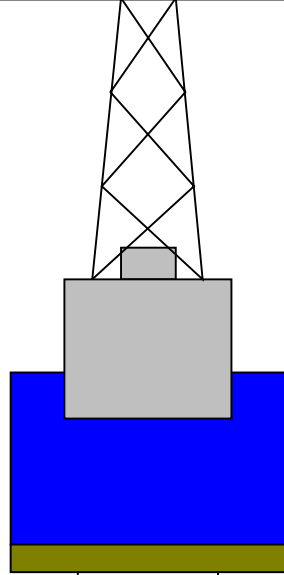
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

11.0
11.0

0.0



3023 4.20

Sea Floor



3023 9.875

3119.9 3.80

Borehole Segment

Open Hole

3625.2

Company: Lamont Doherty

Well: Expedition 318 Site U1359D

Input DLIS Files

DEFAULT	FMS_DSI_NGS_019LUP	FN:30	PRODUCER	23-Feb-2010 15:43	3625.6 M	3007.6 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:42	PRODUCER	28-Feb-2010 16:48	3625.6 M	3007.6 M
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OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

PIP SUMMARY

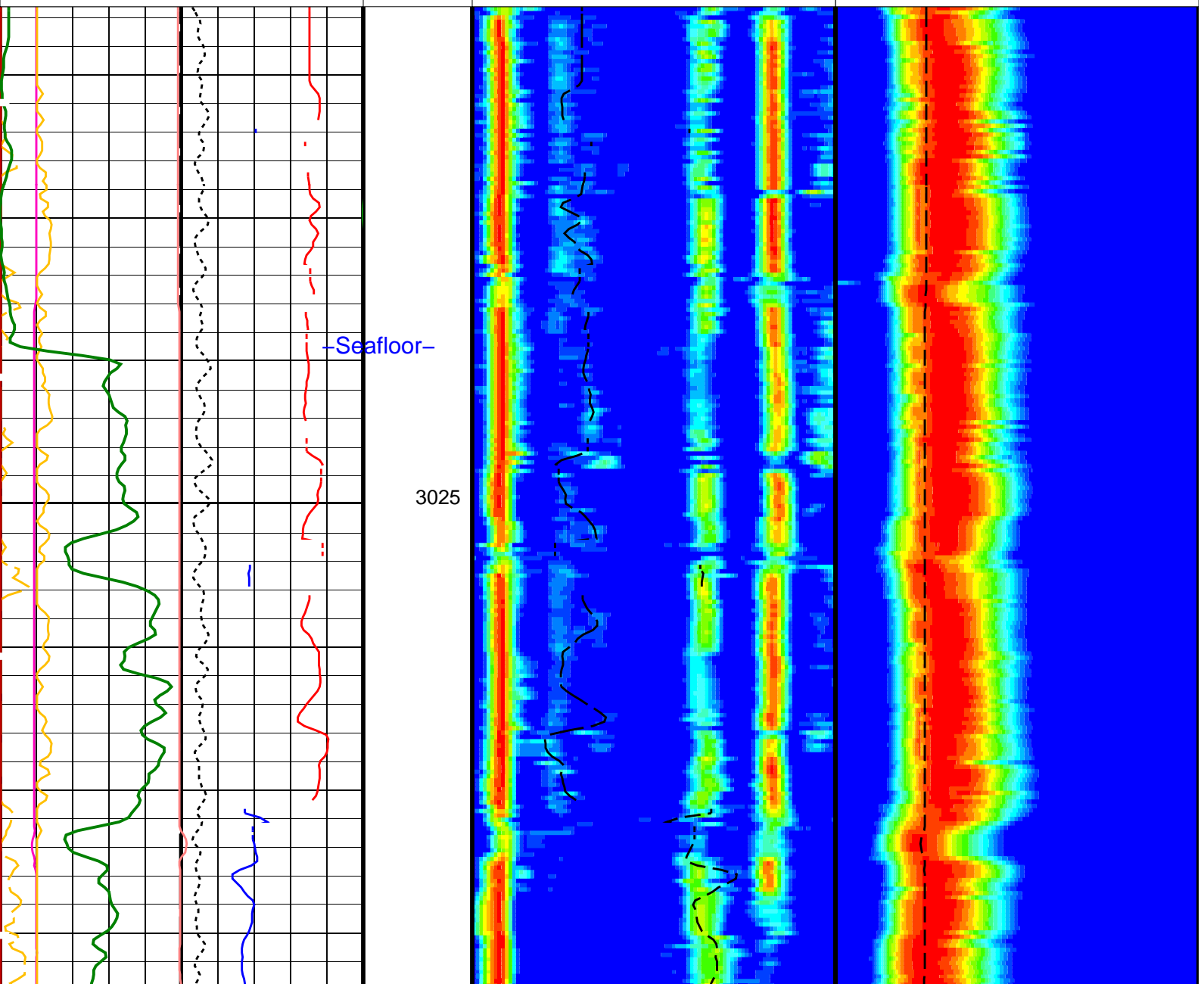
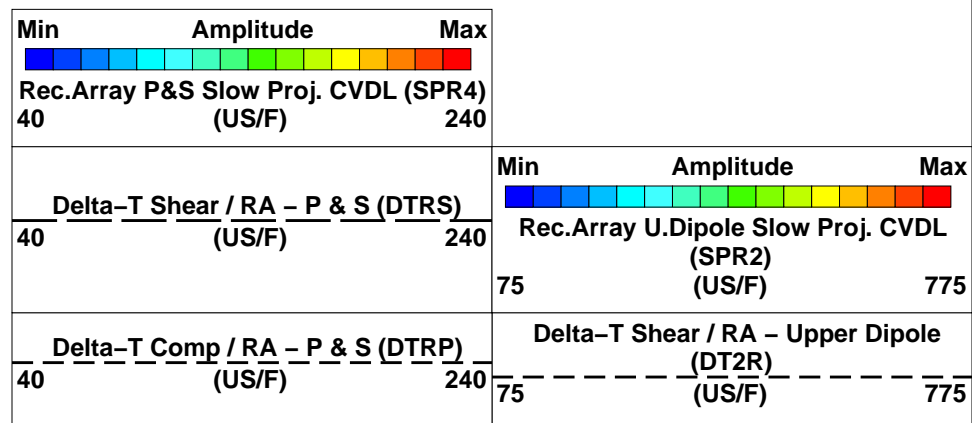
Time Mark Every 60 S

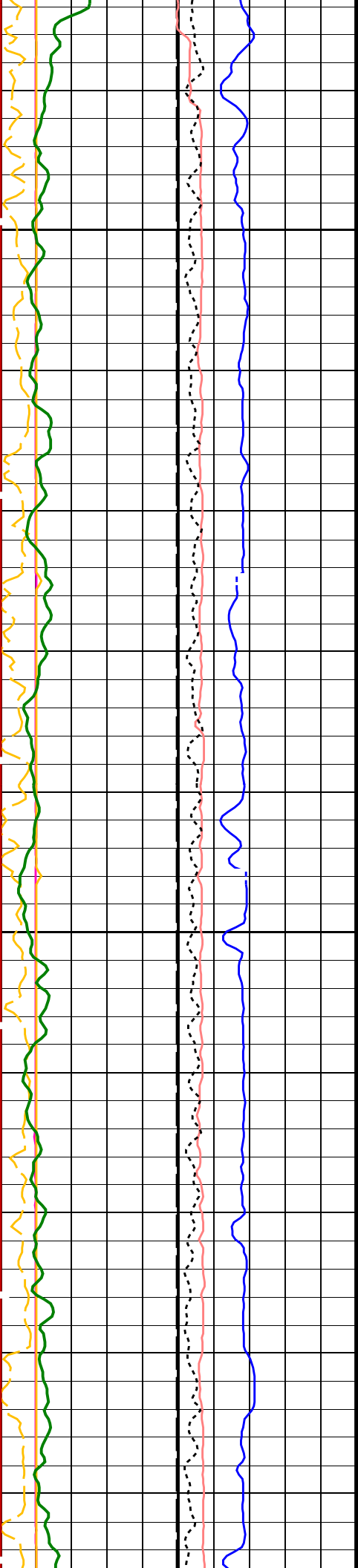
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(-----)	10
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(-----)	9
Peak Coherence / RA - P & S Comp (CHRP)		
0	(-----)	10

Peak Coherence / RA – Upper Dipole (CHR2)	0	10
HNGS Computed Gamma Ray (HCGR) (GAPI)	0	100
Tension (TENS) (LBF)	10000	0
Delta-T Shear – P & S (DT4S) (US/F)	440	40
Delta-T Comp – P & S (DT4P) (US/F)	440	40
Delta-T Shear – Upper Dipole (DT2) (US/F)	440	40
Bit Size (BS) (IN)	0	20

Uplong #3

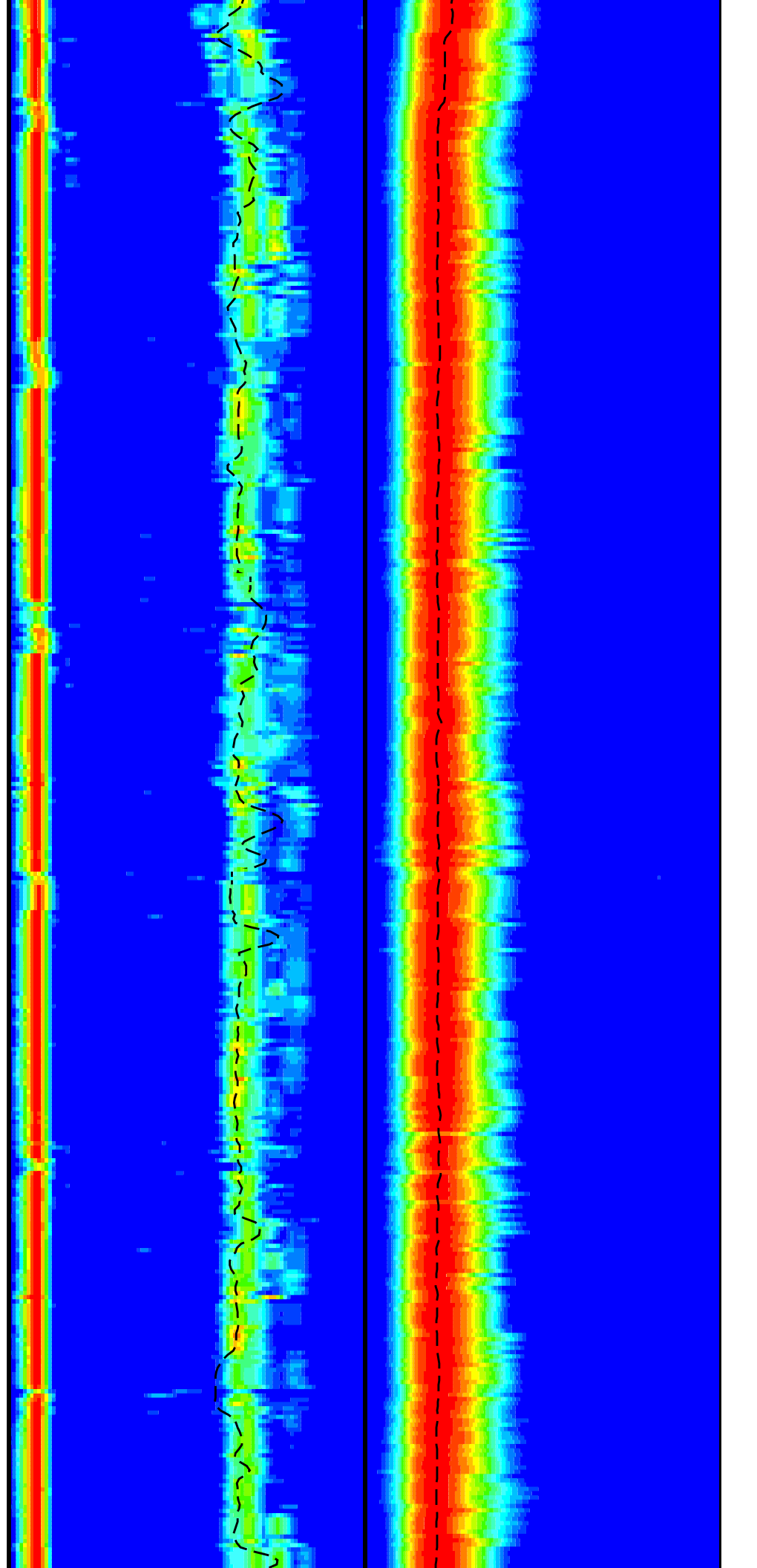
Reprocessed File 19 to File 29, Dipole to compressional

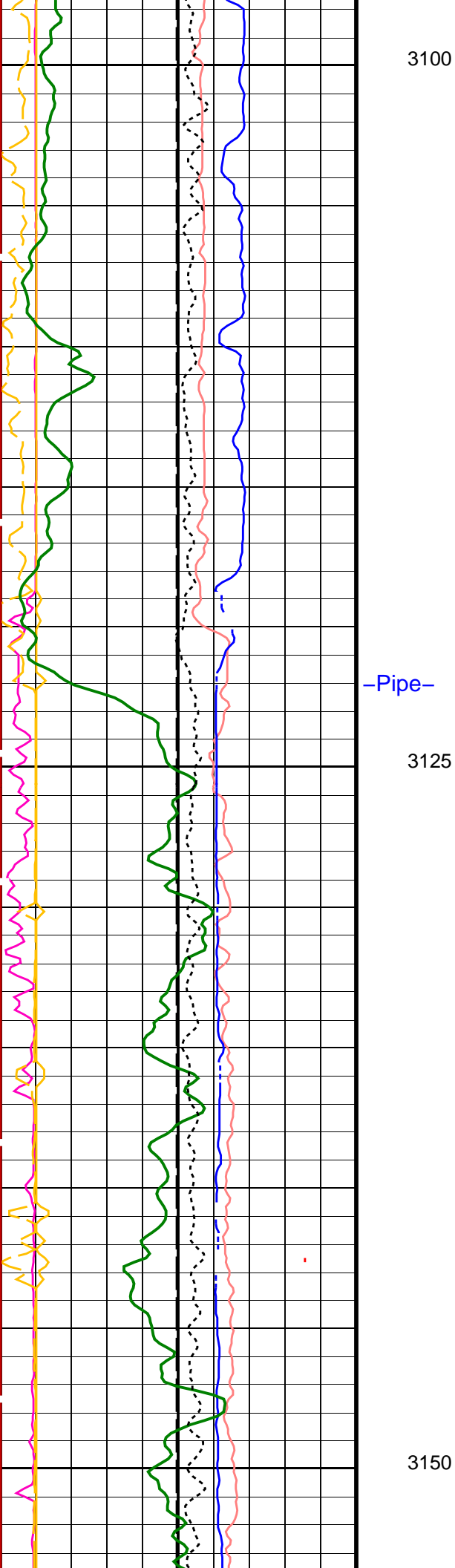




3050

3075



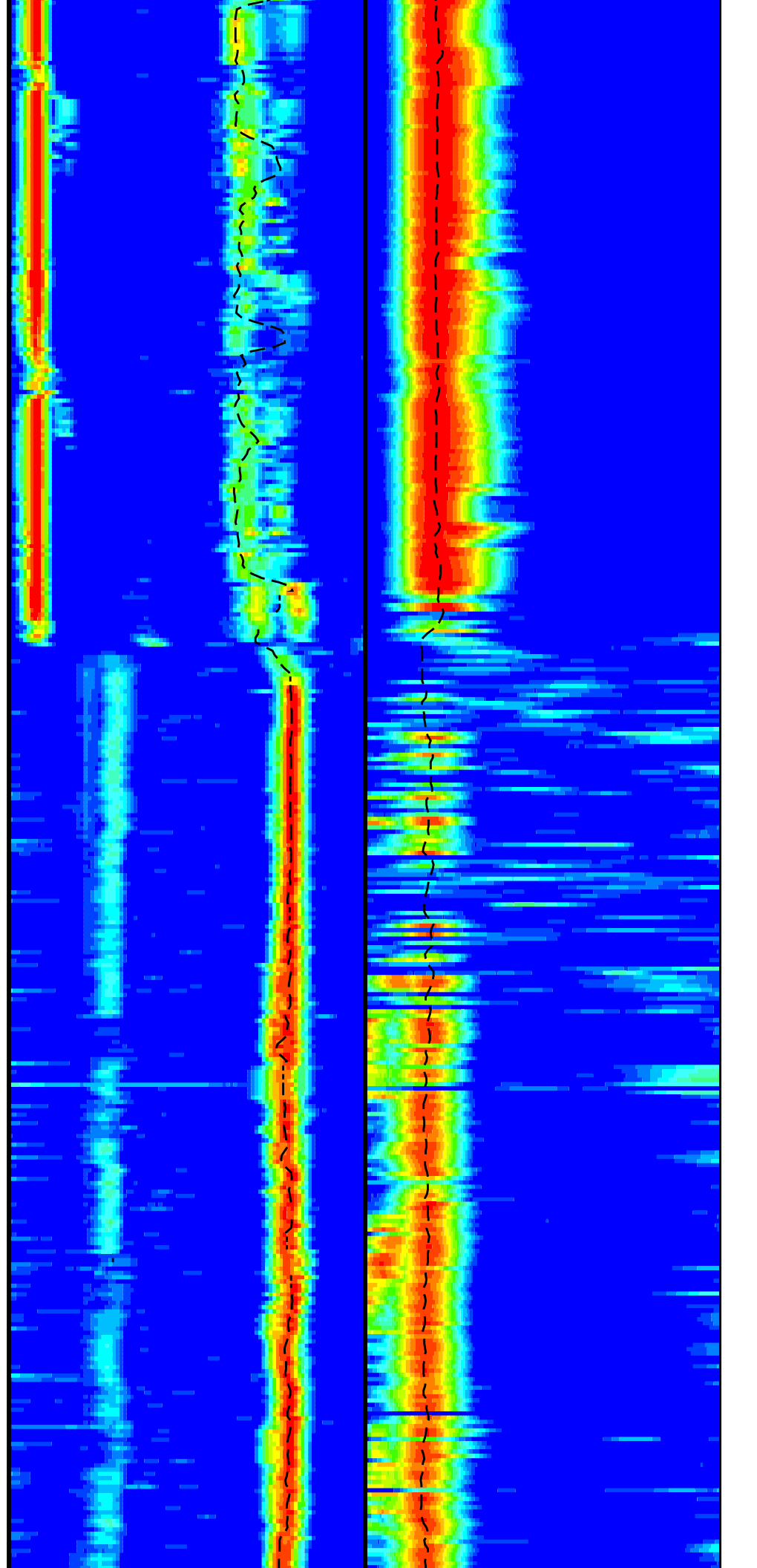


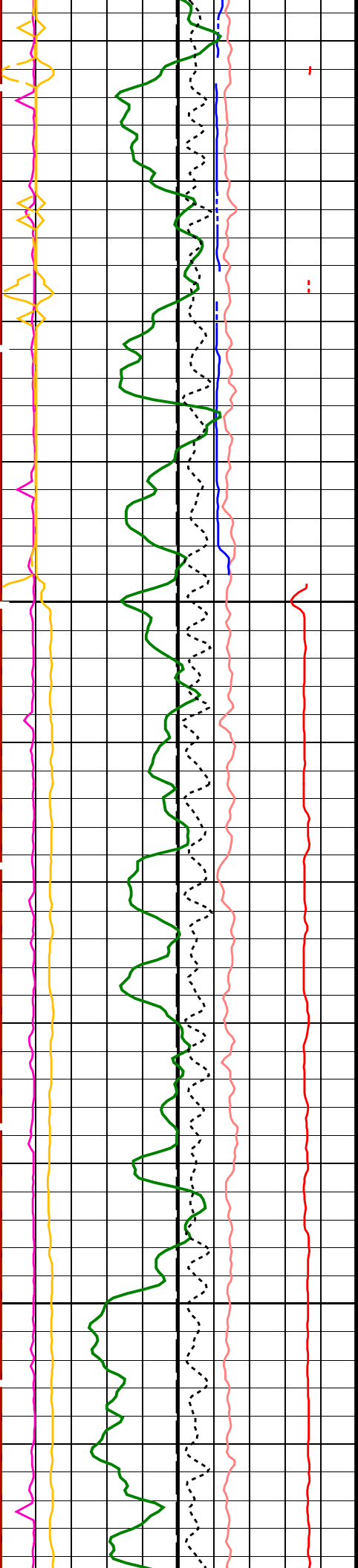
3100

-Pipe-

3125

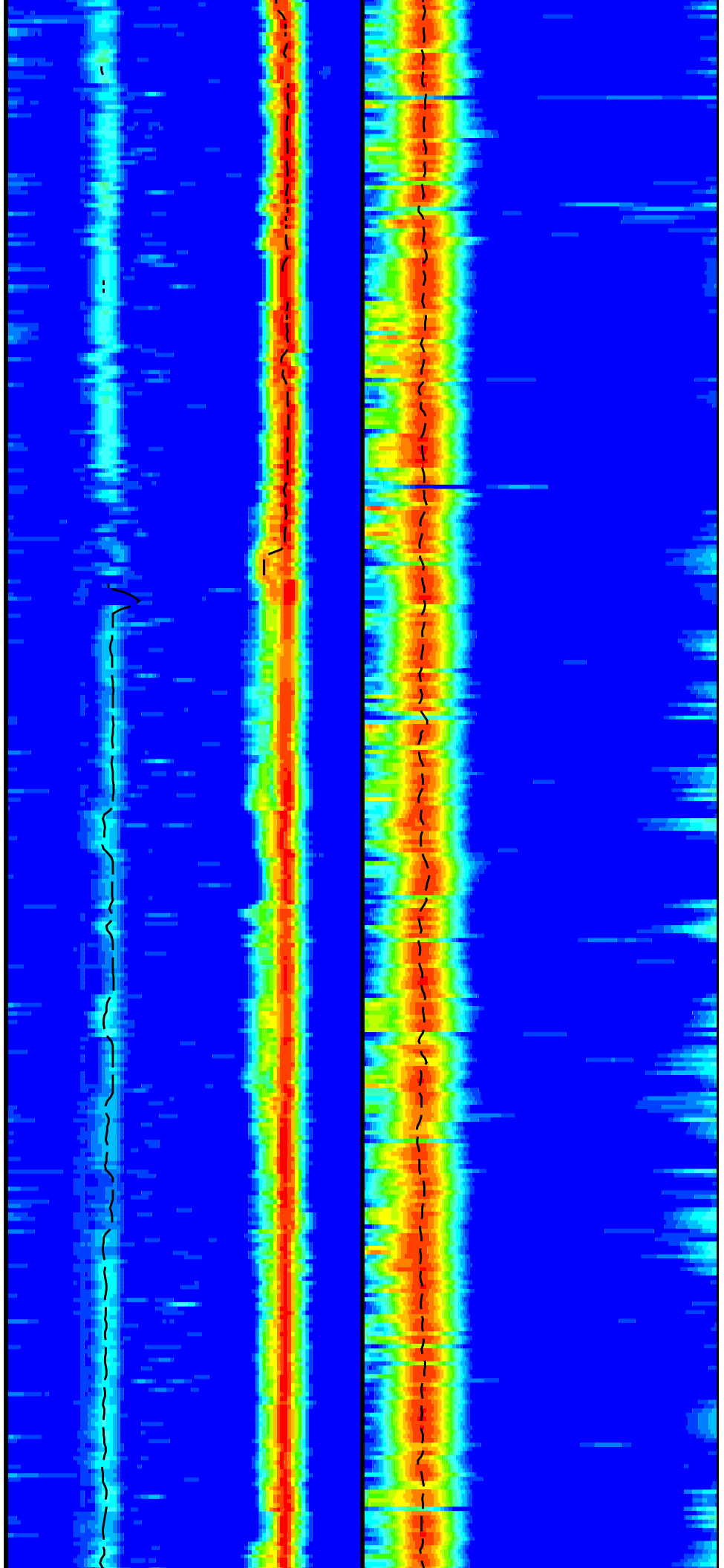
3150

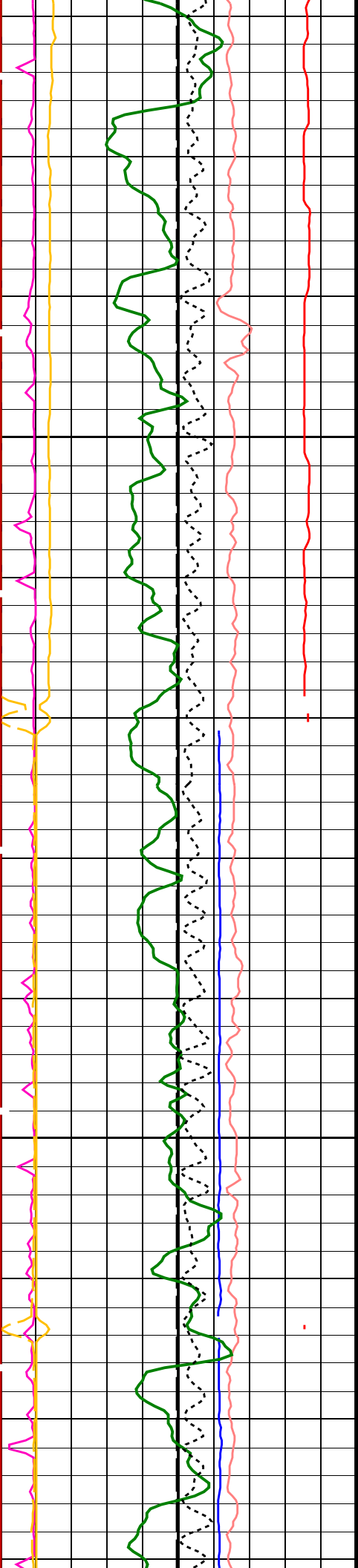




3175

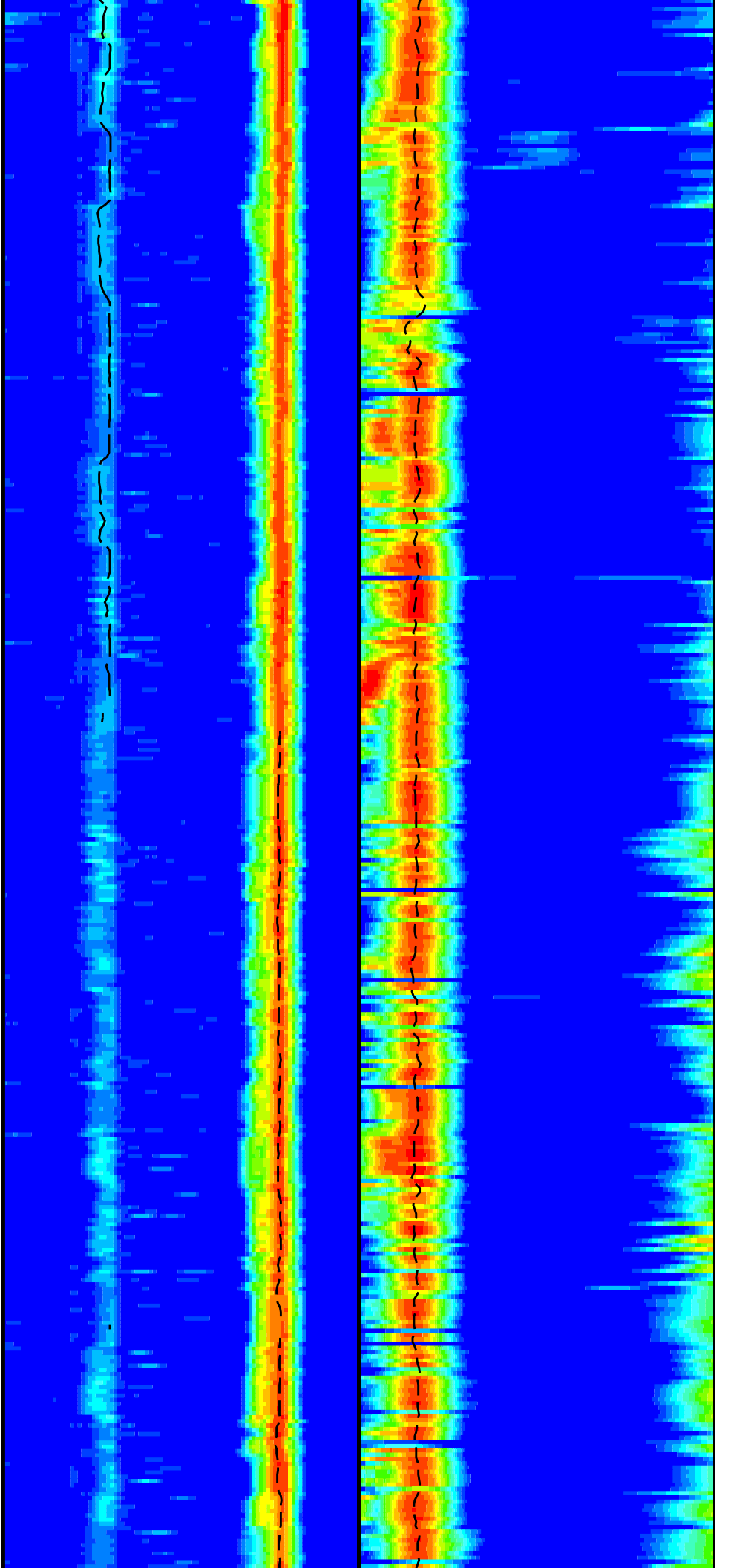
3200

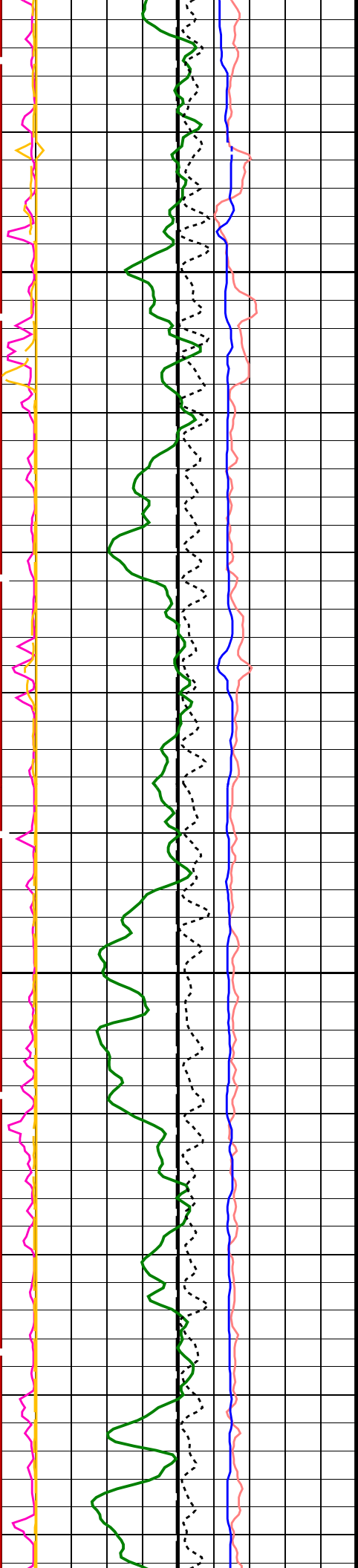




3225

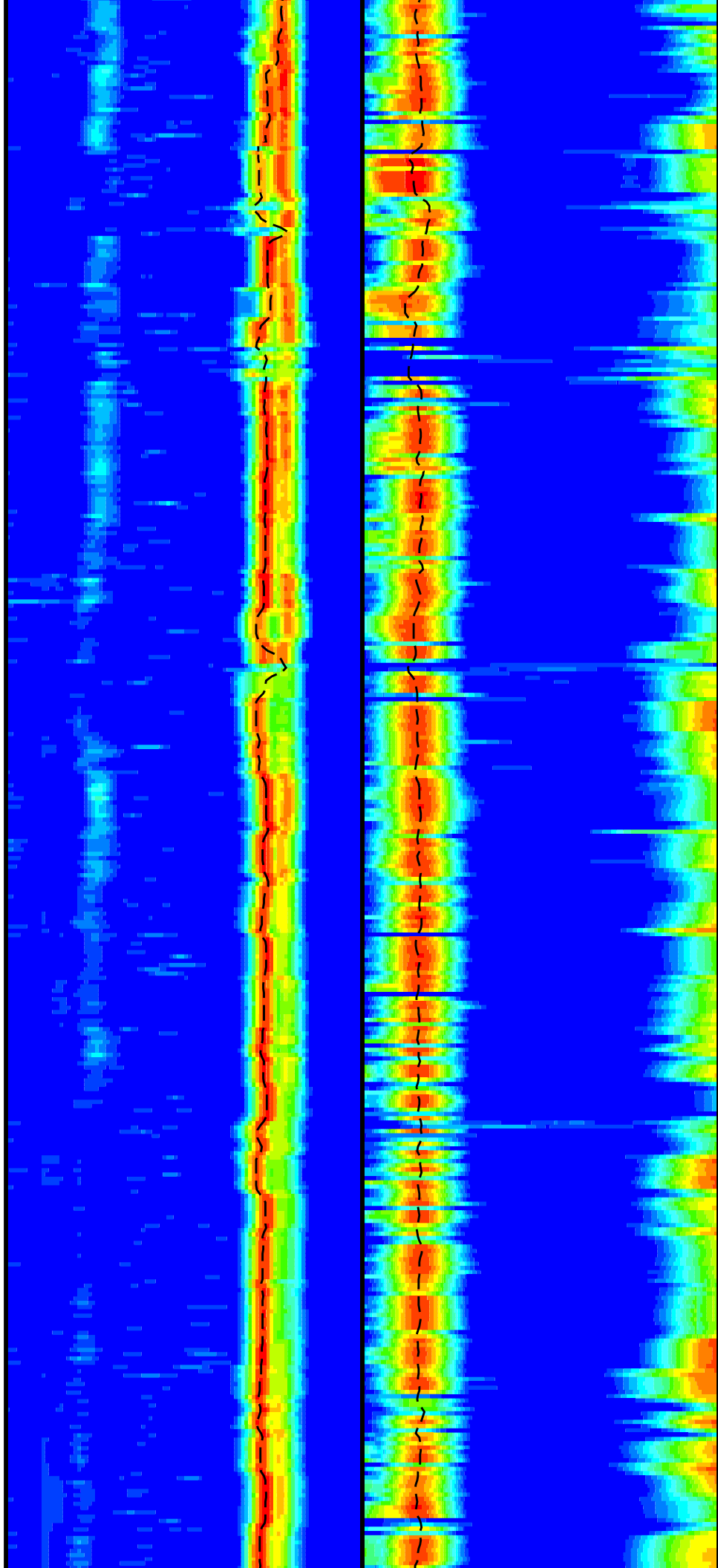
3250

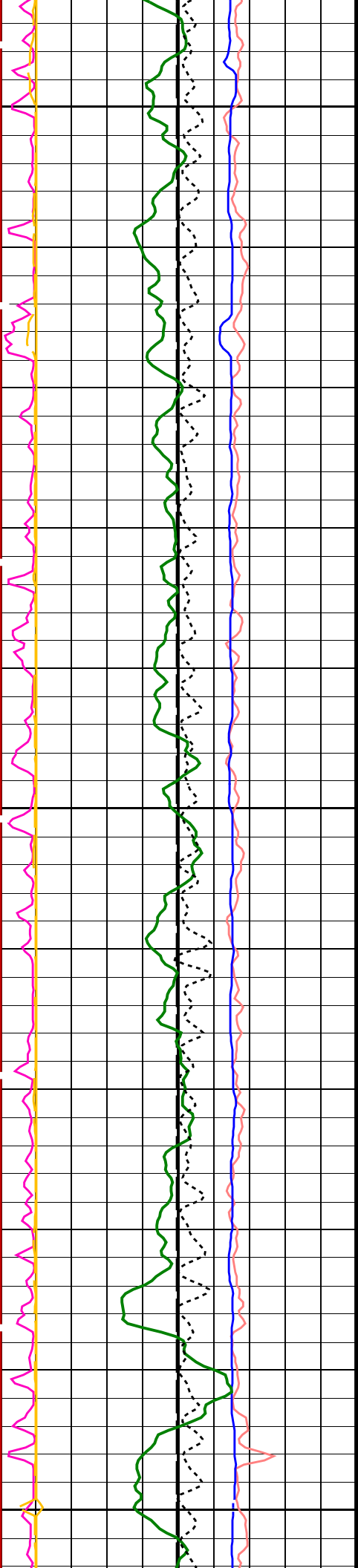




3275

3300

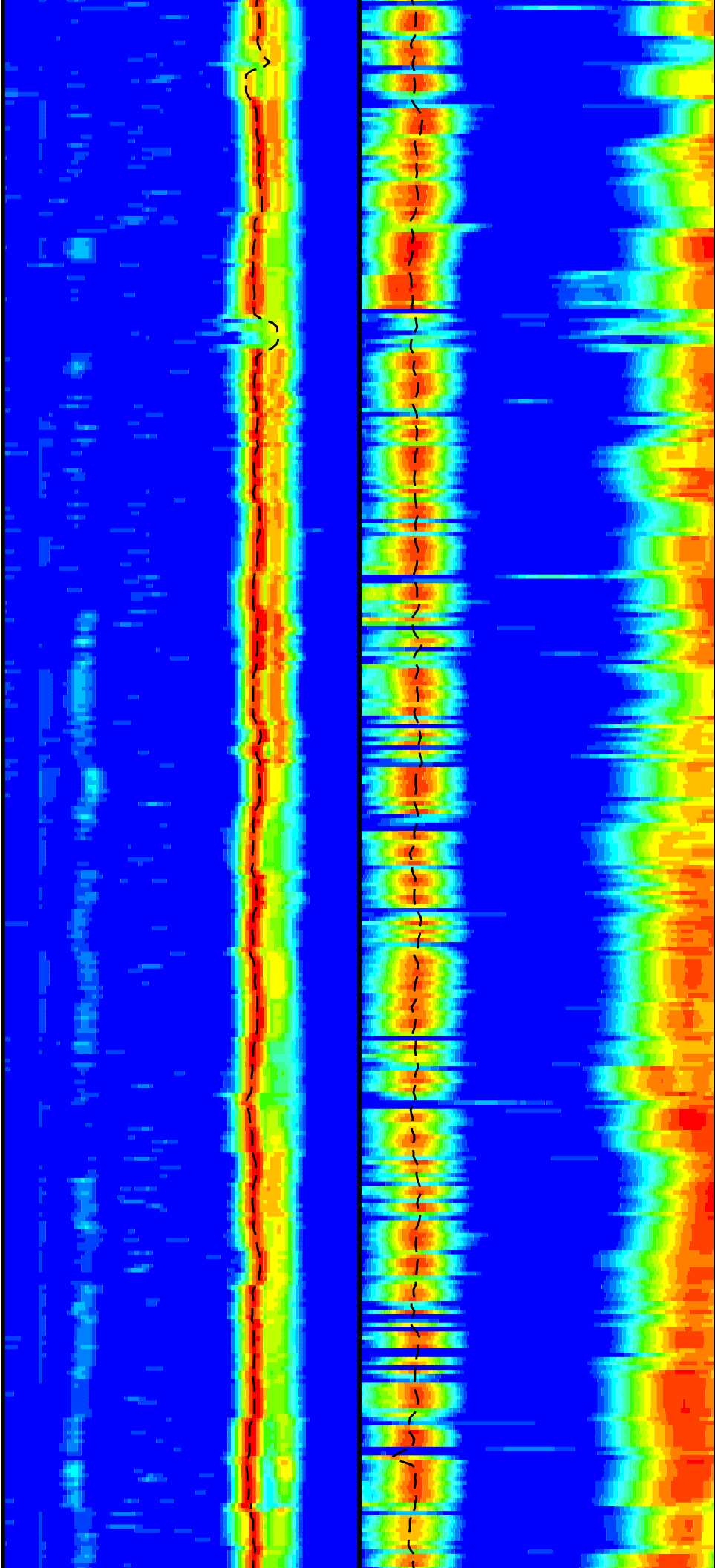


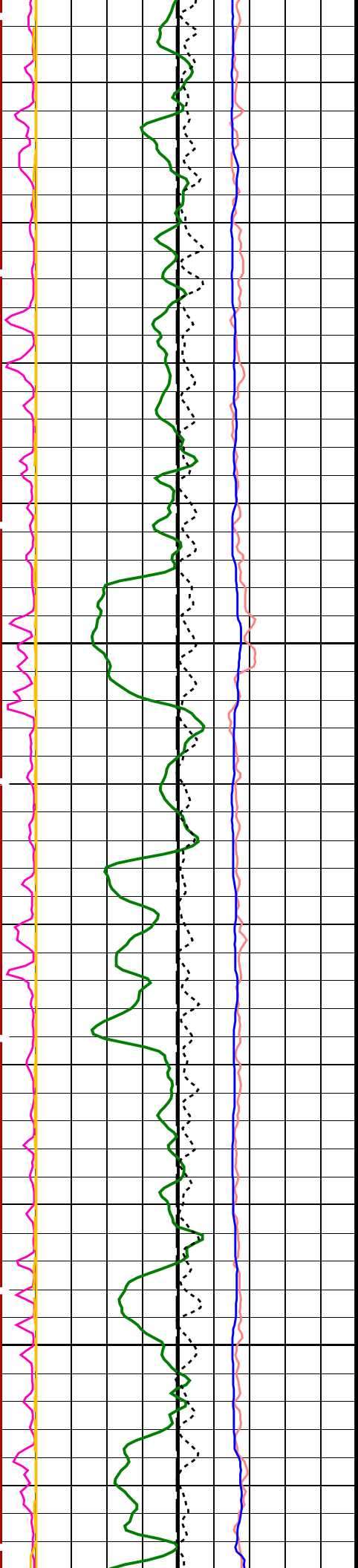


3325

3350

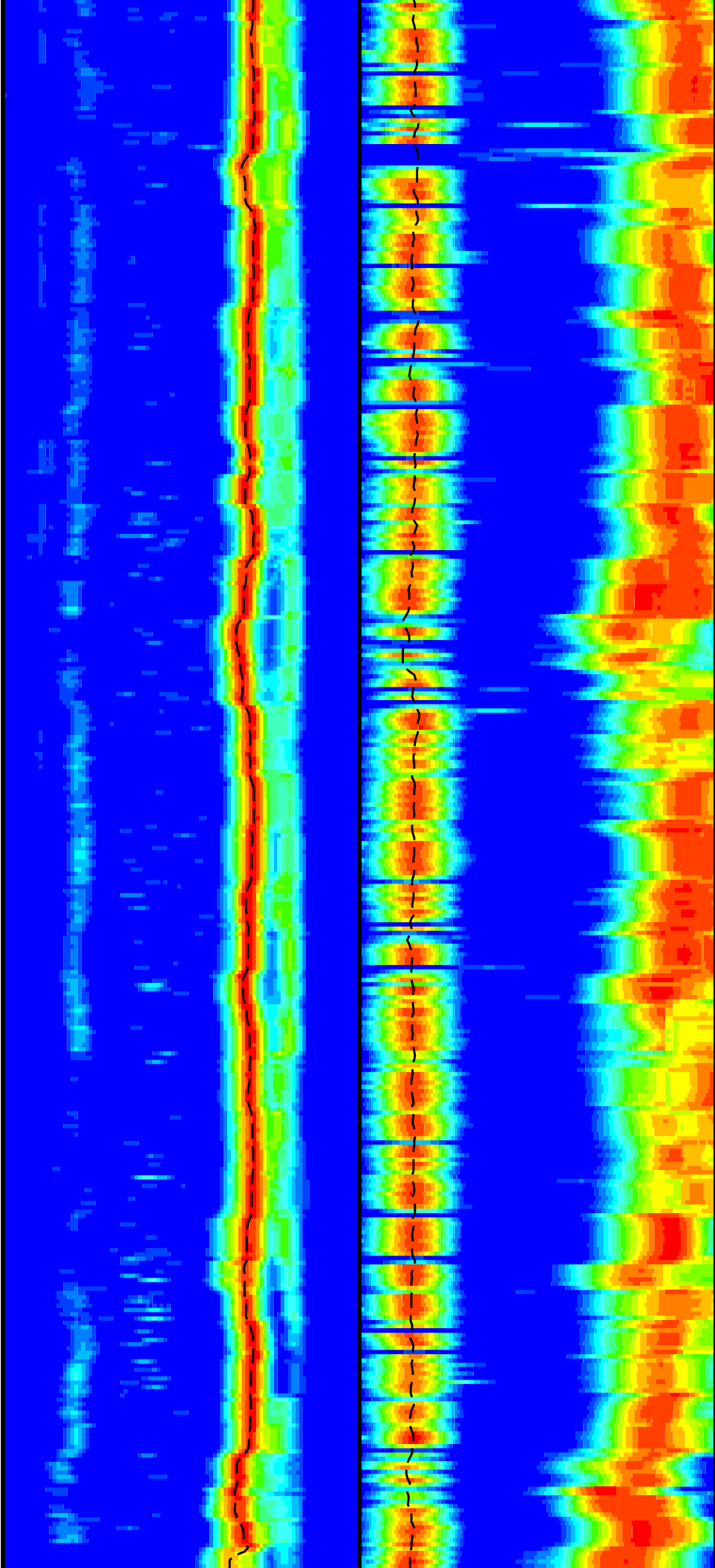
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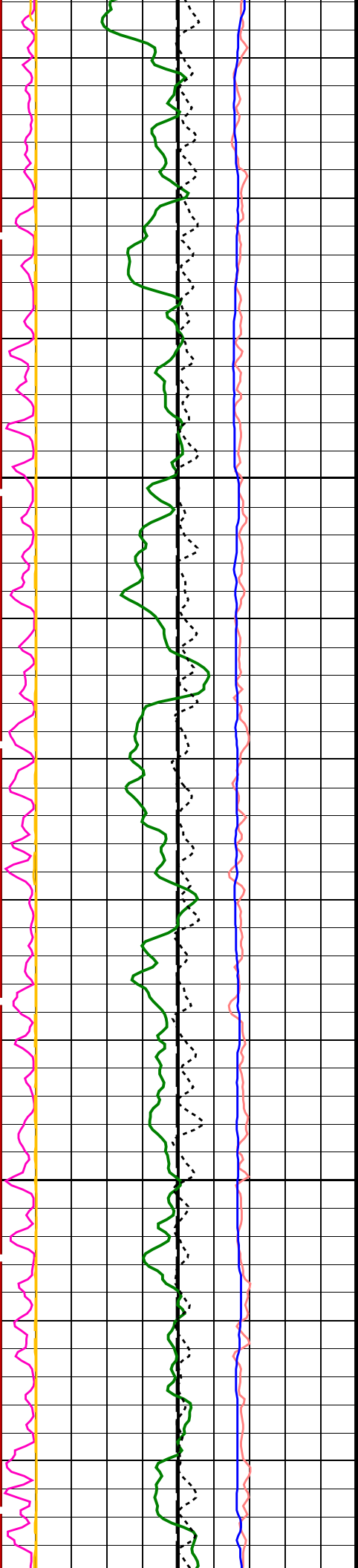




3400

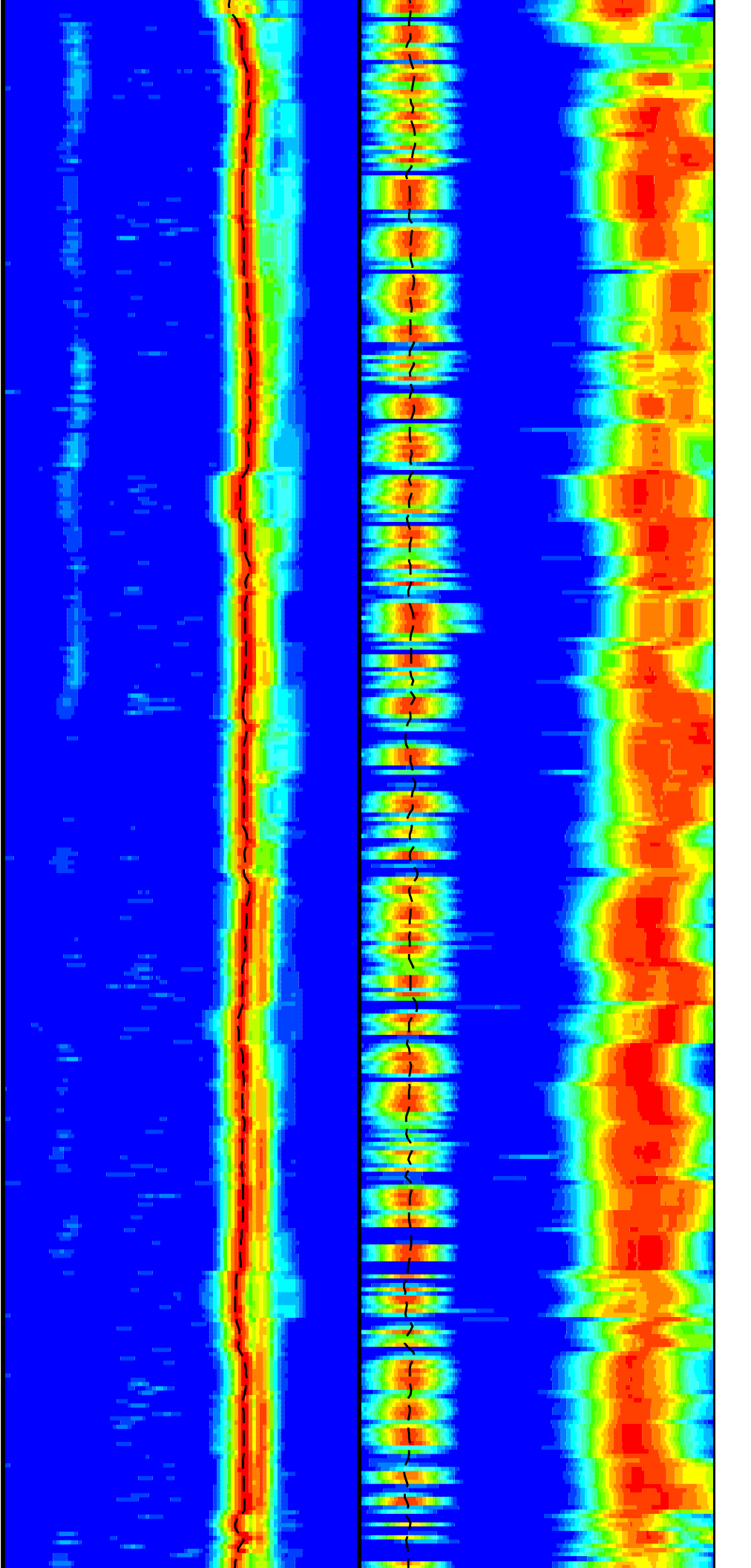
3425

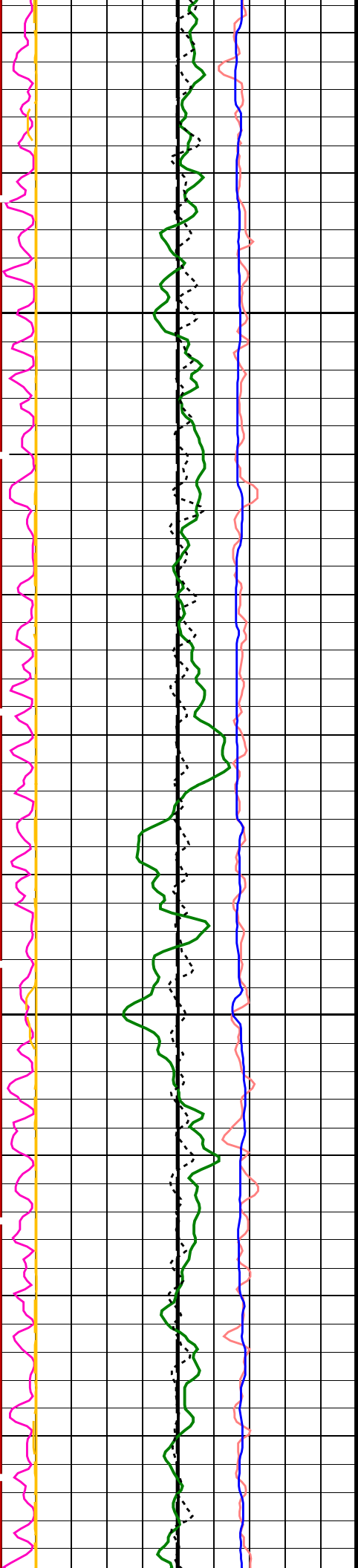




3450

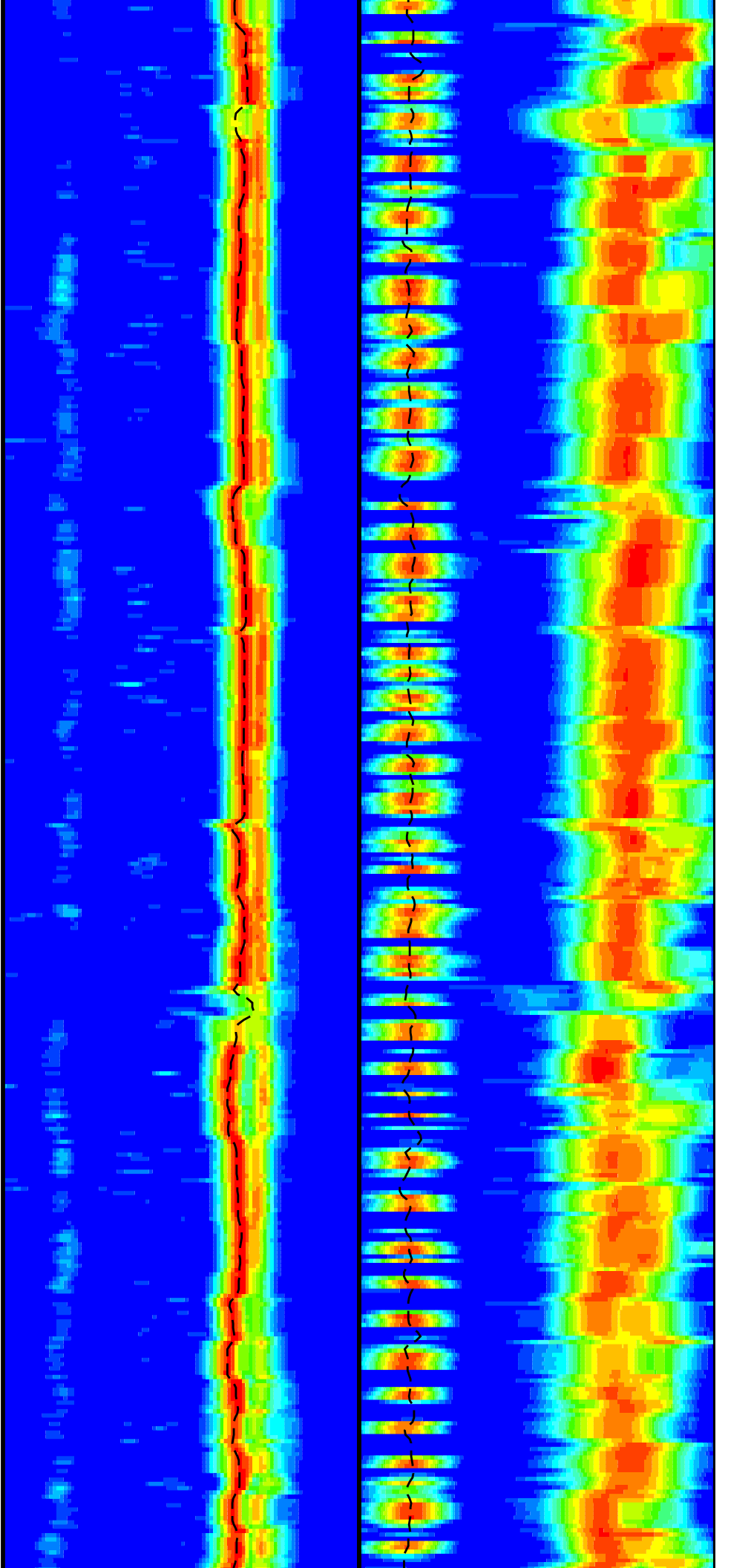
3475

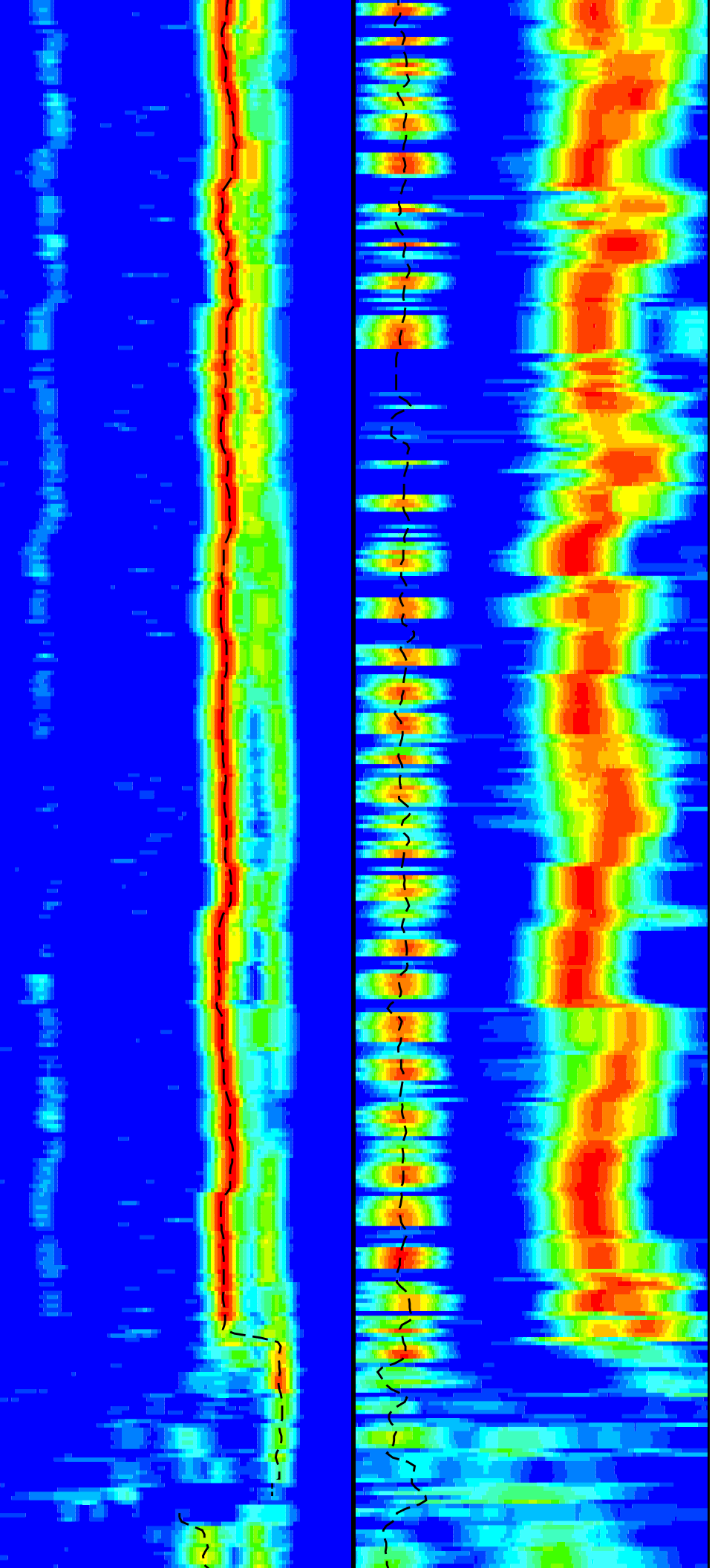
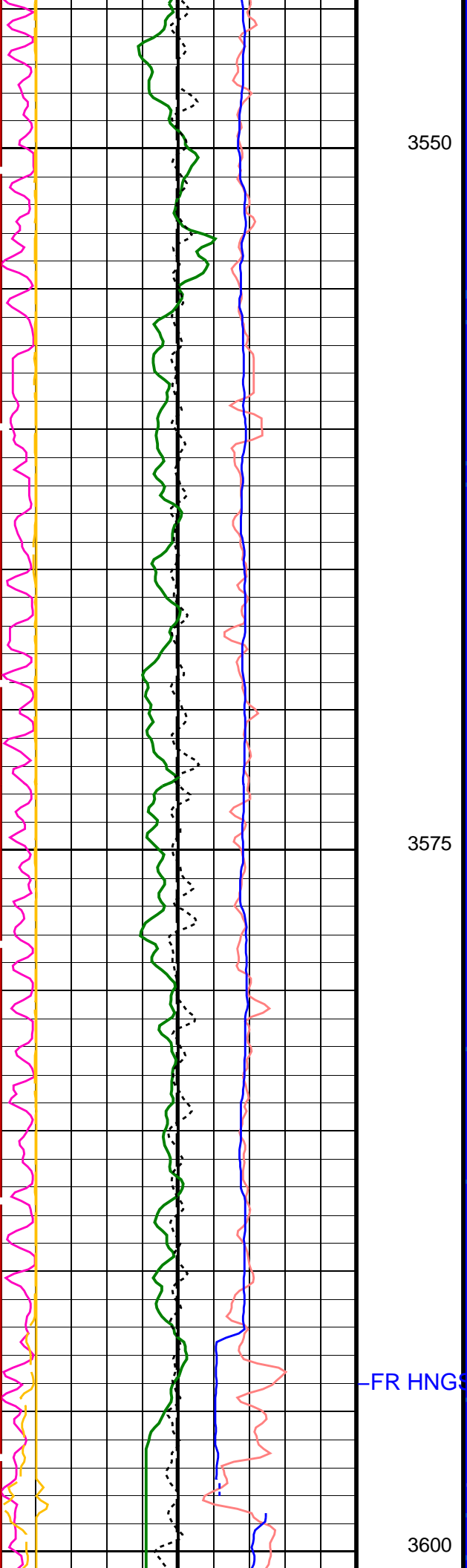


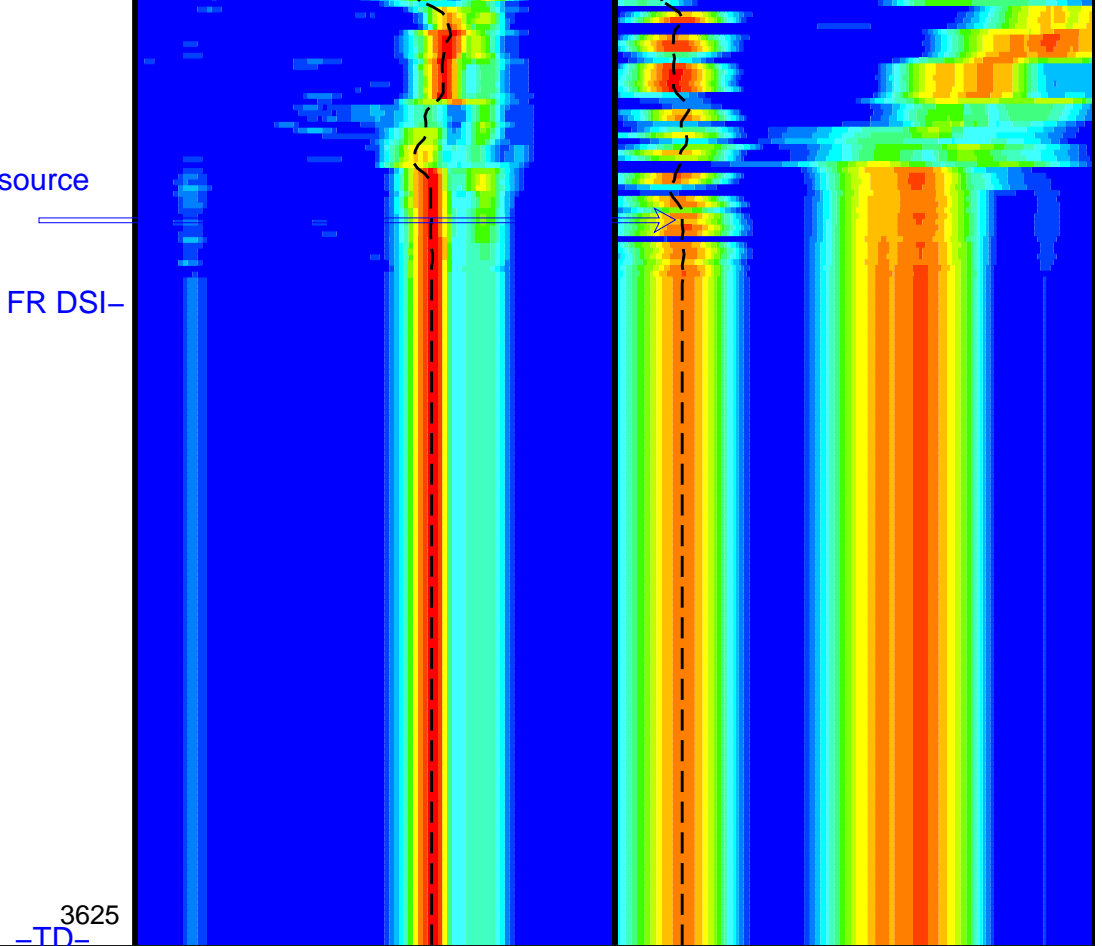
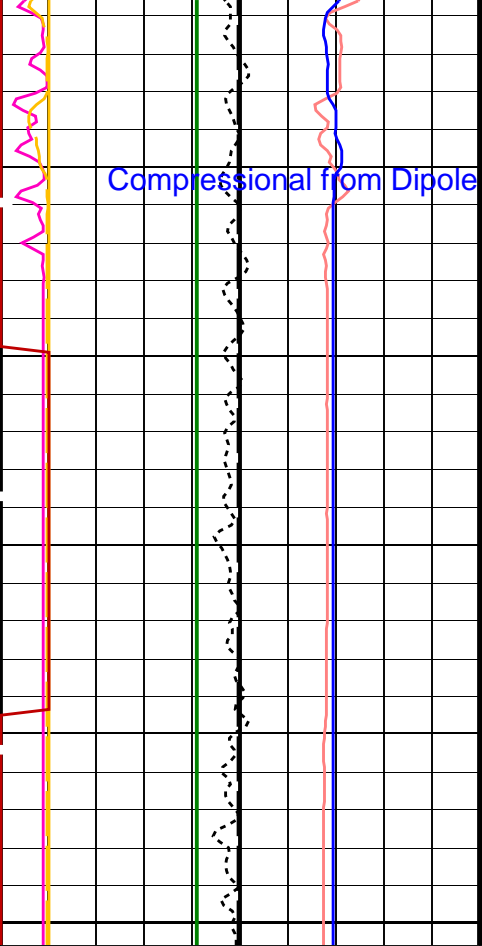


3500

3525







0	Bit Size (BS) (IN)	20
440	Delta-T Shear - Upper Dipole (DT2) (US/F)	40
440	Delta-T Comp - P & S (DT4P) (US/F)	40
440	Delta-T Shear - P & S (DT4S) (US/F)	40
10000	Tension (TENS) (LBF)	0
0	HNGS Computed Gamma Ray (HCGR) (GAPI)	100
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	Min	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	Min	775
75	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	775

Uplong #3

Reprocessed File 19 to File 29, Dipole to compressional

3625
-TD-

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	200 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	DONT_USE
DSHL	Label Slowness Lower Limit - Dipole Shear	100 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	250 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	204.5 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
GCSE	Generalized Caliper Selection	BS
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 - High Frequency 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	800 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	75 US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	120 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	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00266655	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.982942	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.971771	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.22	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Feb-2010 16:48

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT	FMS_DSI_NGS_019LUP	FN:30	PRODUCER	23-Feb-2010 15:43	3625.6 M	3007.6 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:42	PRODUCER	28-Feb-2010 16:48
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Company: Lamont Doherty

Well: Expedition 318 Site U1359D

Input DLIS Files

DEFAULT	FMS_DSI_NGS_017LUP	FN:26	PRODUCER	23-Feb-2010 14:02	3625.6 M	3125.7 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:43	PRODUCER	28-Feb-2010 18:26	3625.6 M	3125.7 M
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OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

PIP SUMMARY

Time Mark Every 60 S

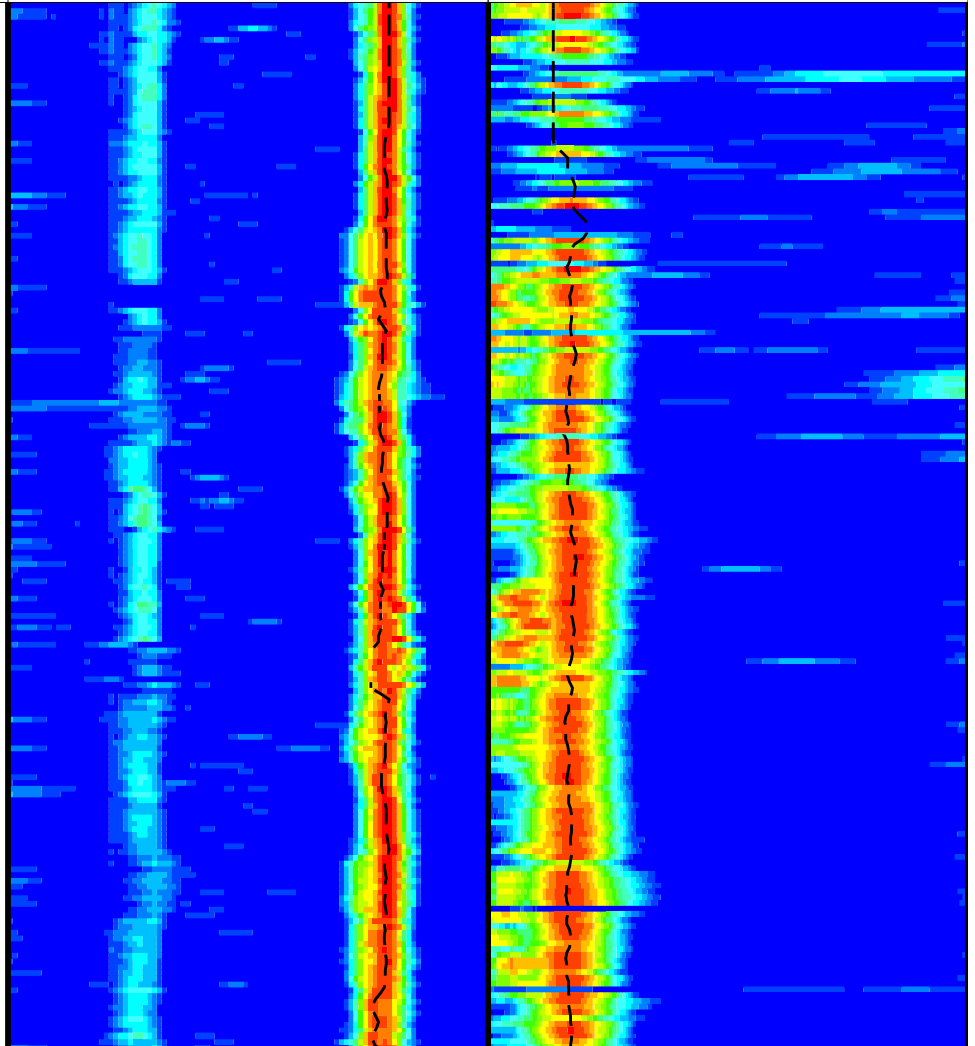
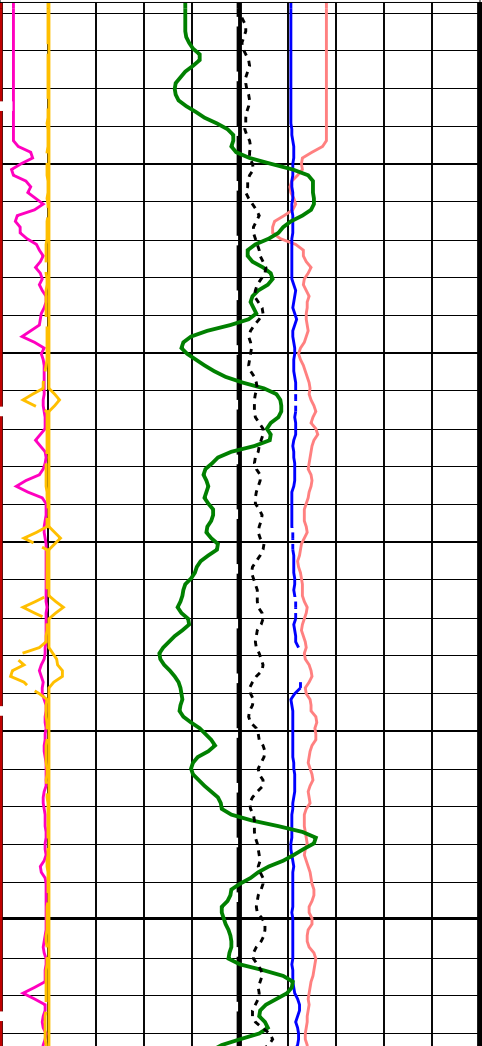
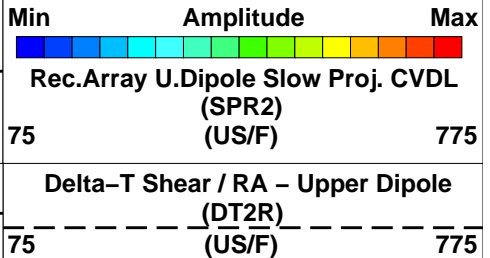
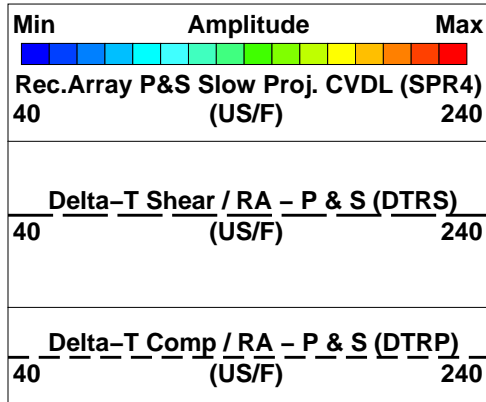
Waveform Data Copy Indicator 4 -
Monopole P&S (WCI4)

0 (----) 10

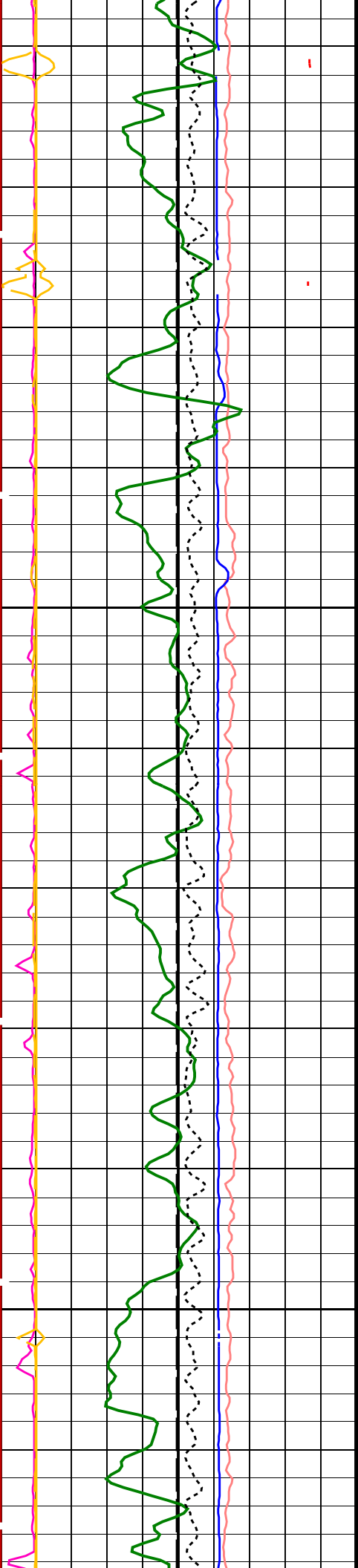
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(-----)	9
Peak Coherence / RA - P & S Comp (CHRP)		
0	(-----)	10
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(-----)	10
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	100
Tension (TENS)		
10000	(LBF)	0
Delta-T Shear - P & S (DT4S)		
440	(US/F)	40
Delta-T Comp - P & S (DT4P)		
440	(US/F)	40
Delta-T Shear - Upper Dipole (DT2)		
440	(US/F)	40
Bit Size (BS)		
0	(IN)	20

Uplong #2

Playback of File 17 to File 30 to Reprocess Dipole to compressional
 Reprocessed compressional from dipole source

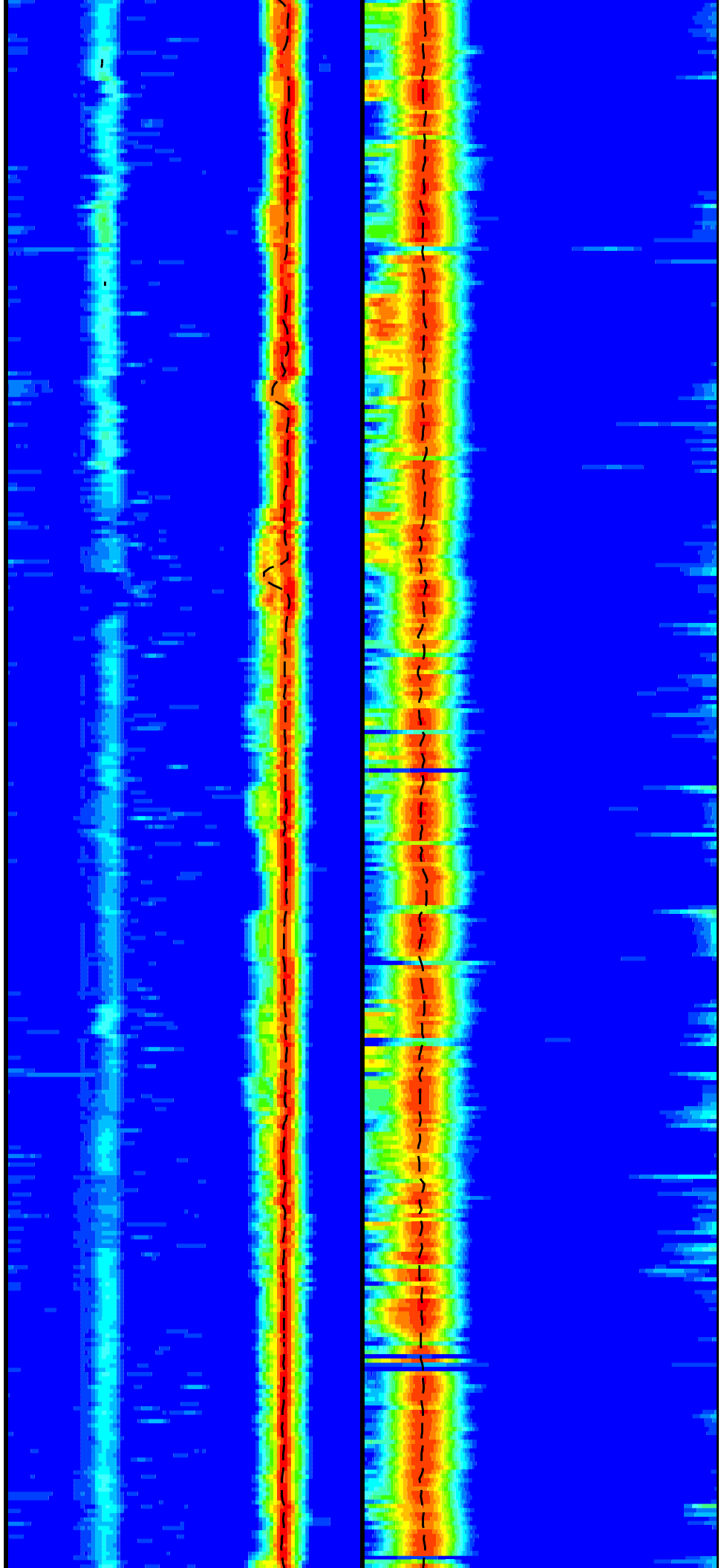


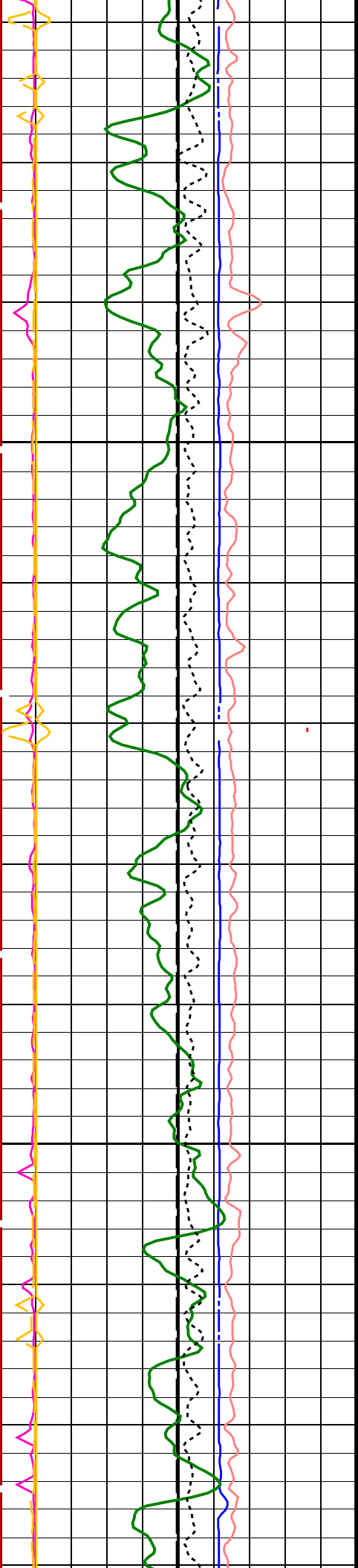
3150



3175

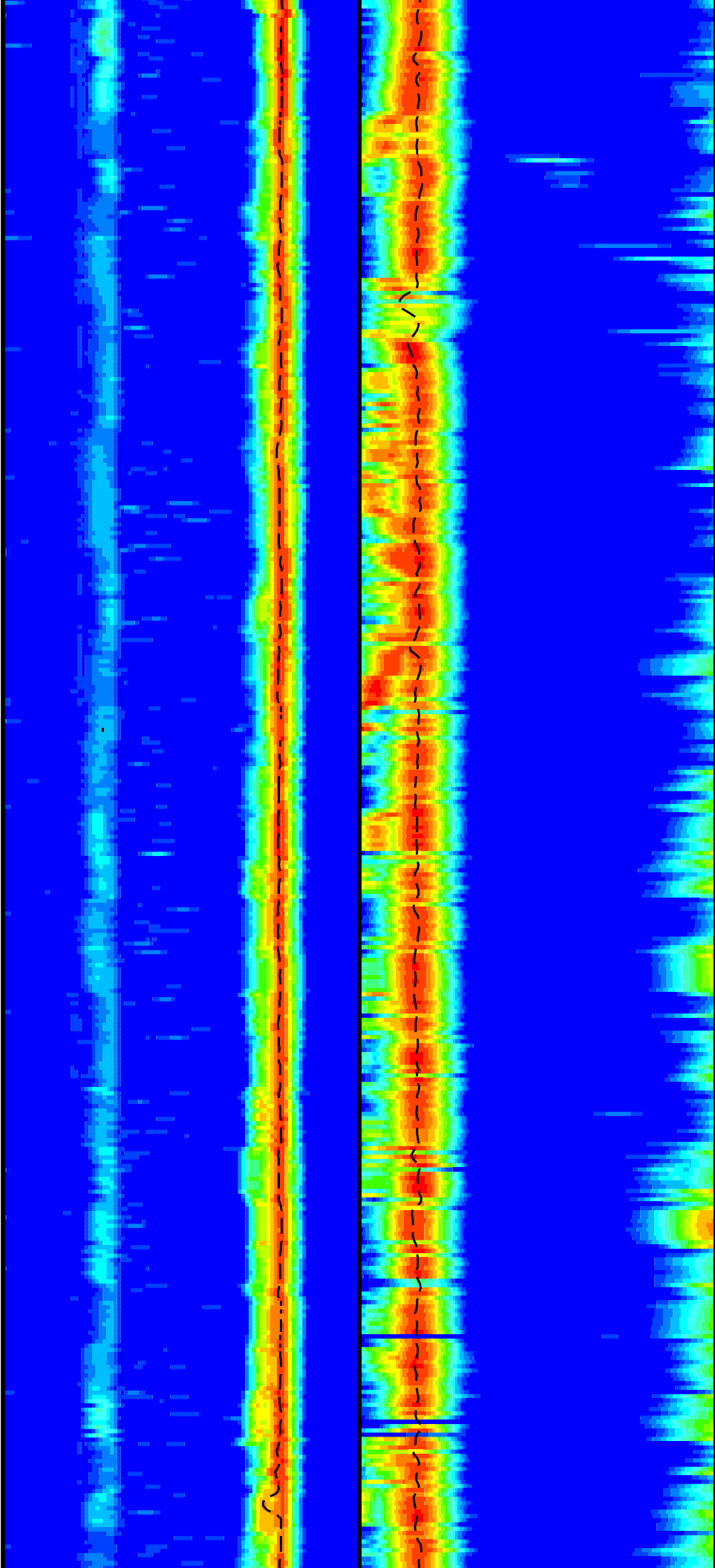
3200

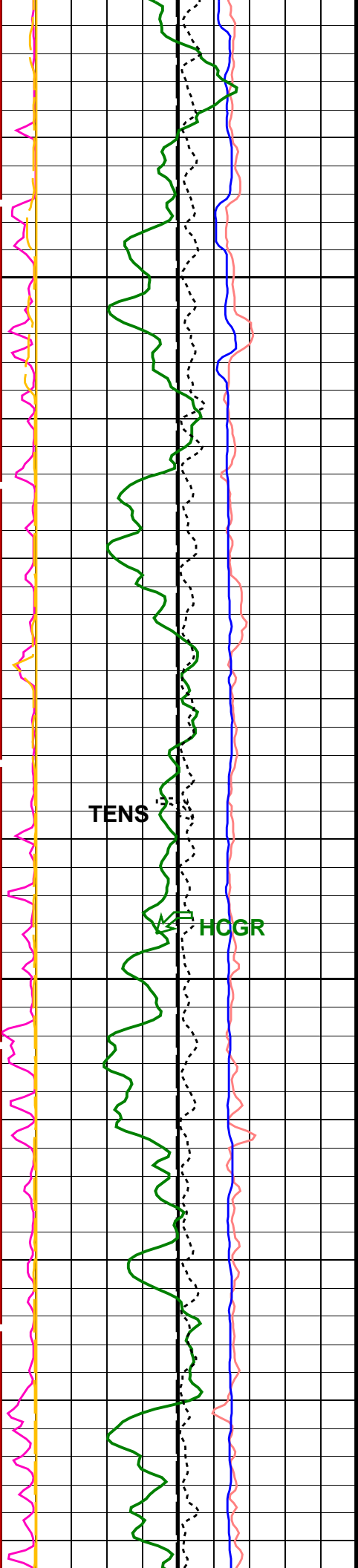




3225

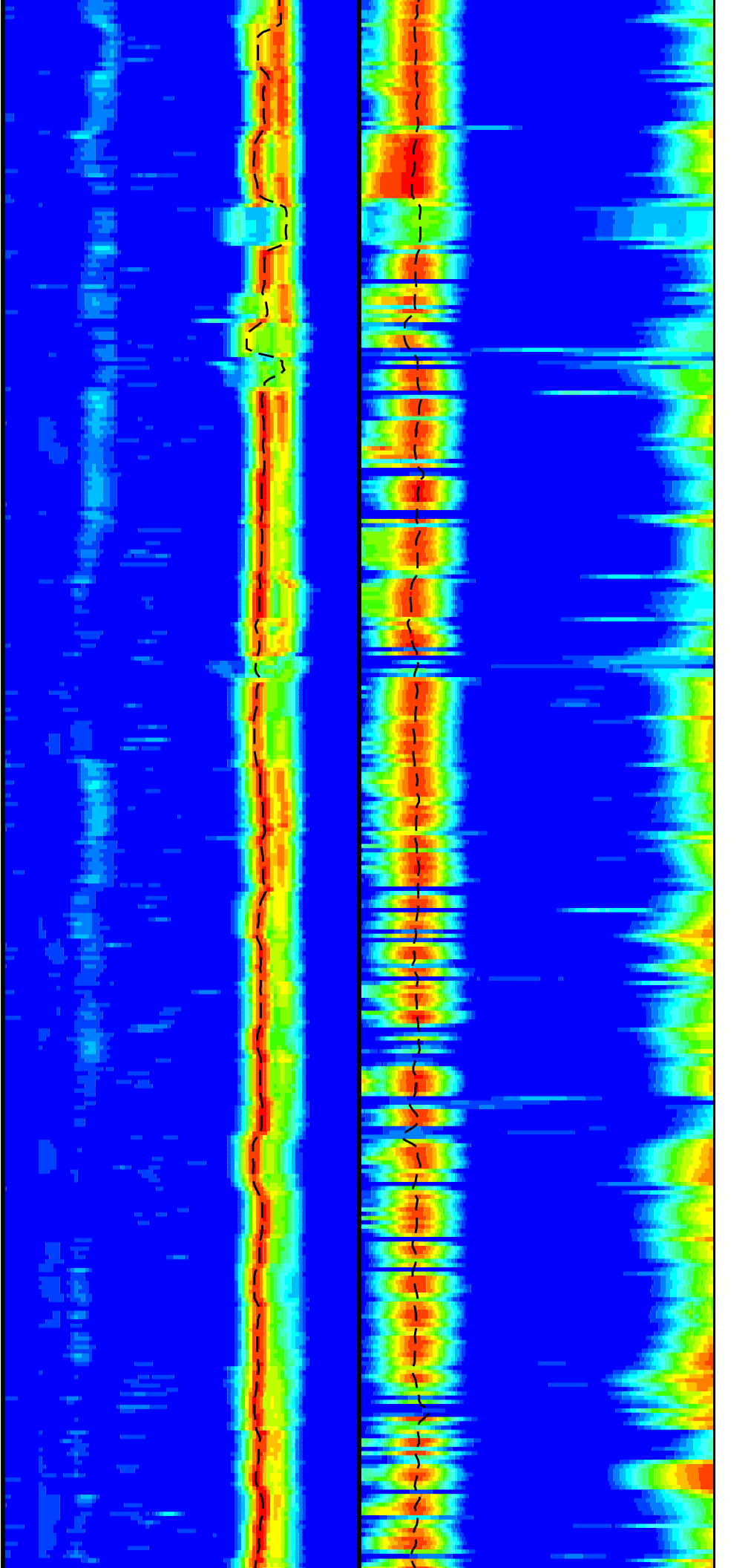
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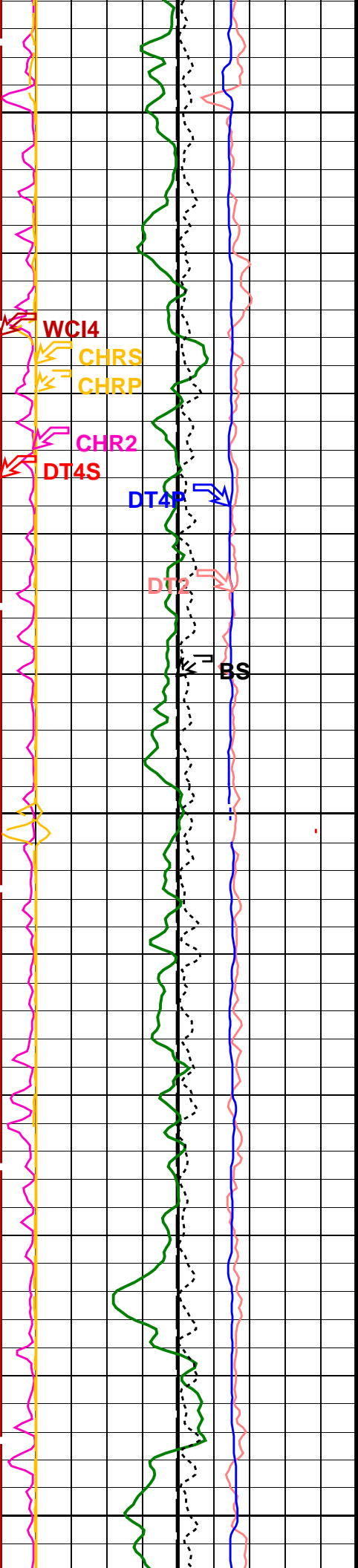




3275

3300

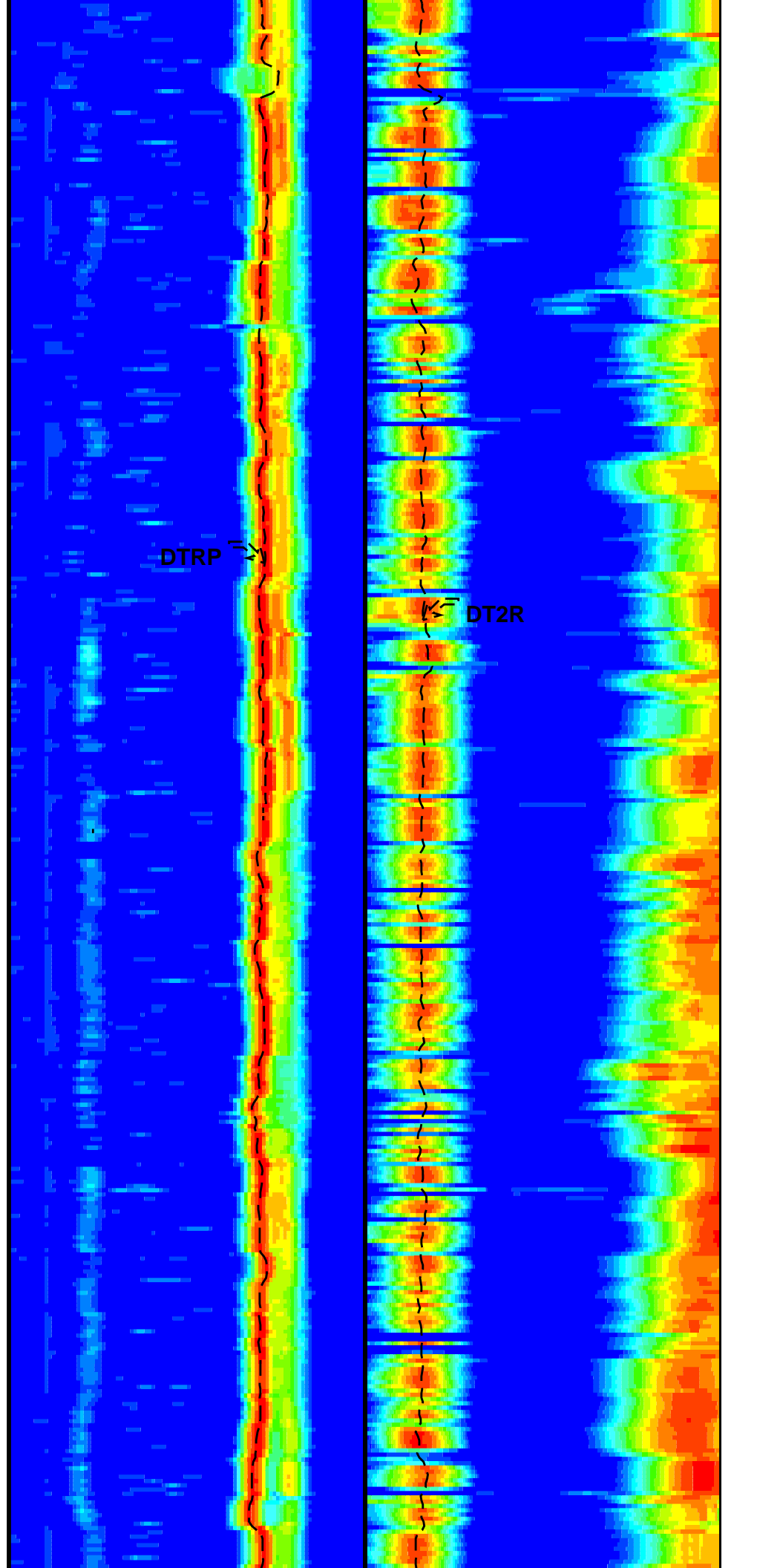


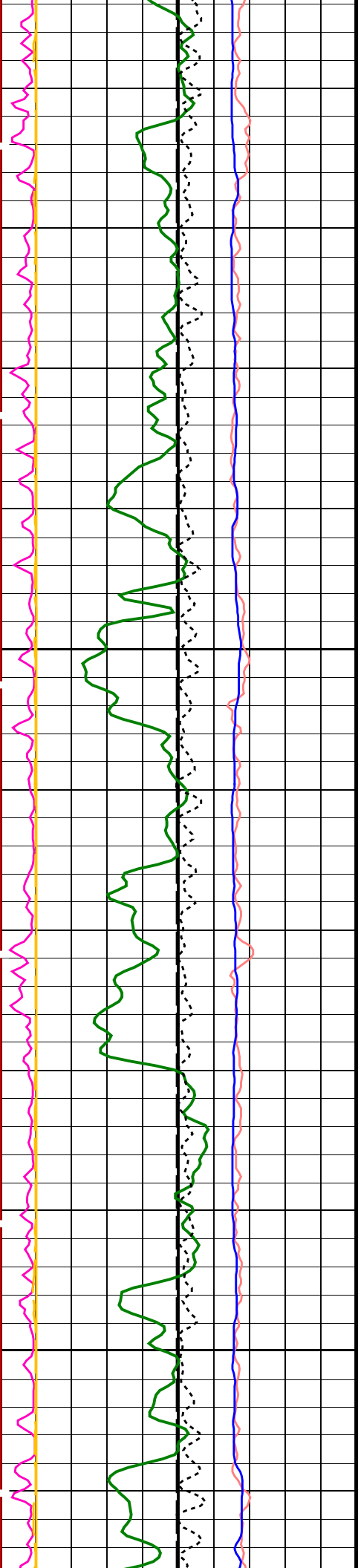


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3350

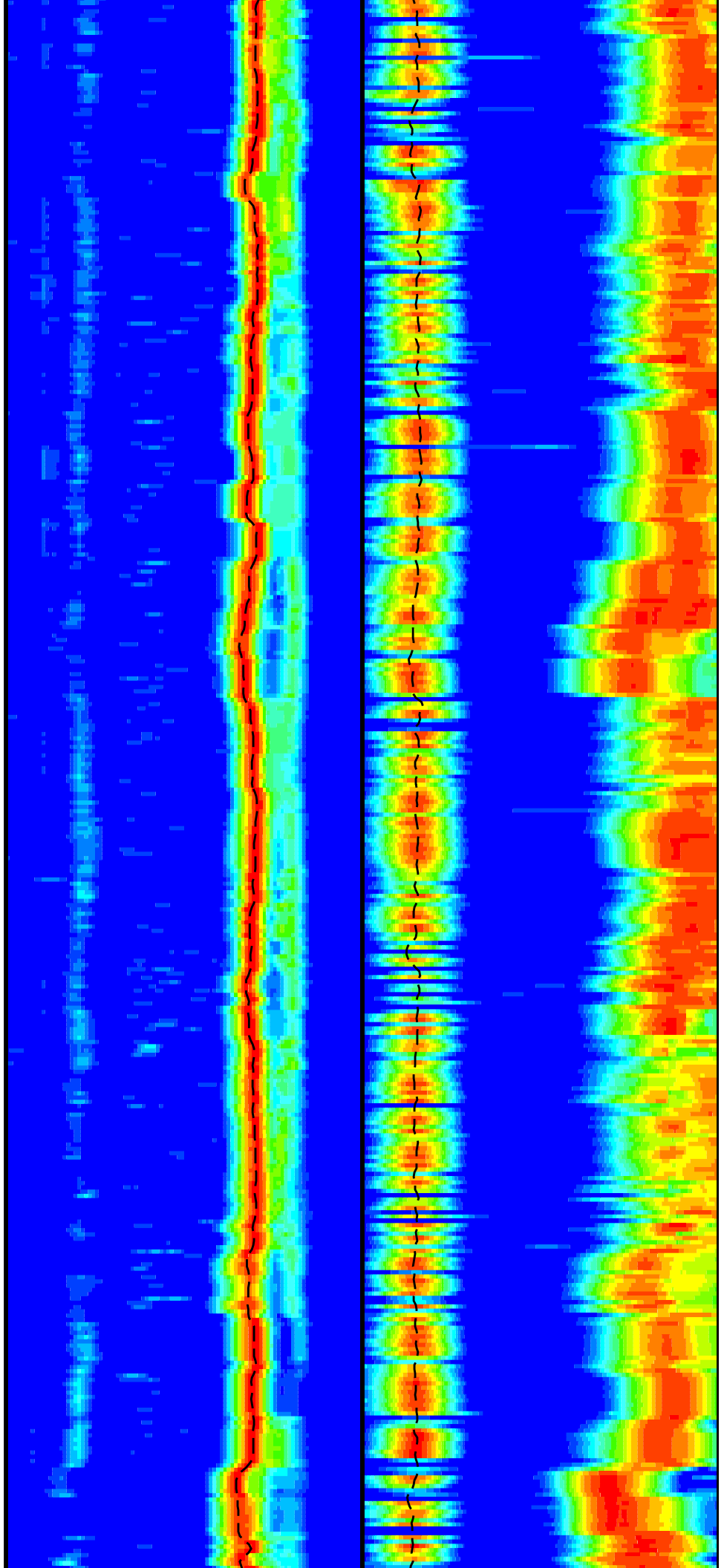
3375

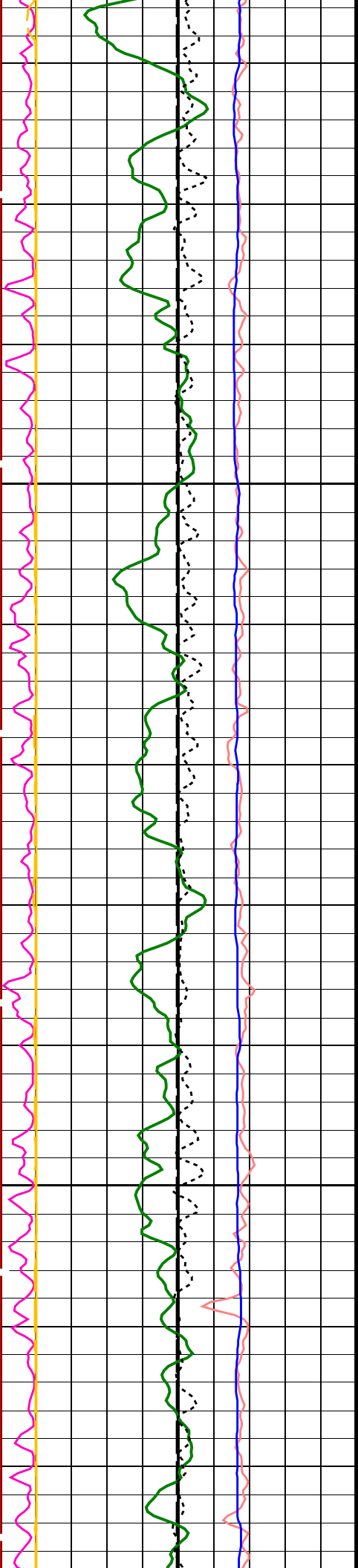




3400

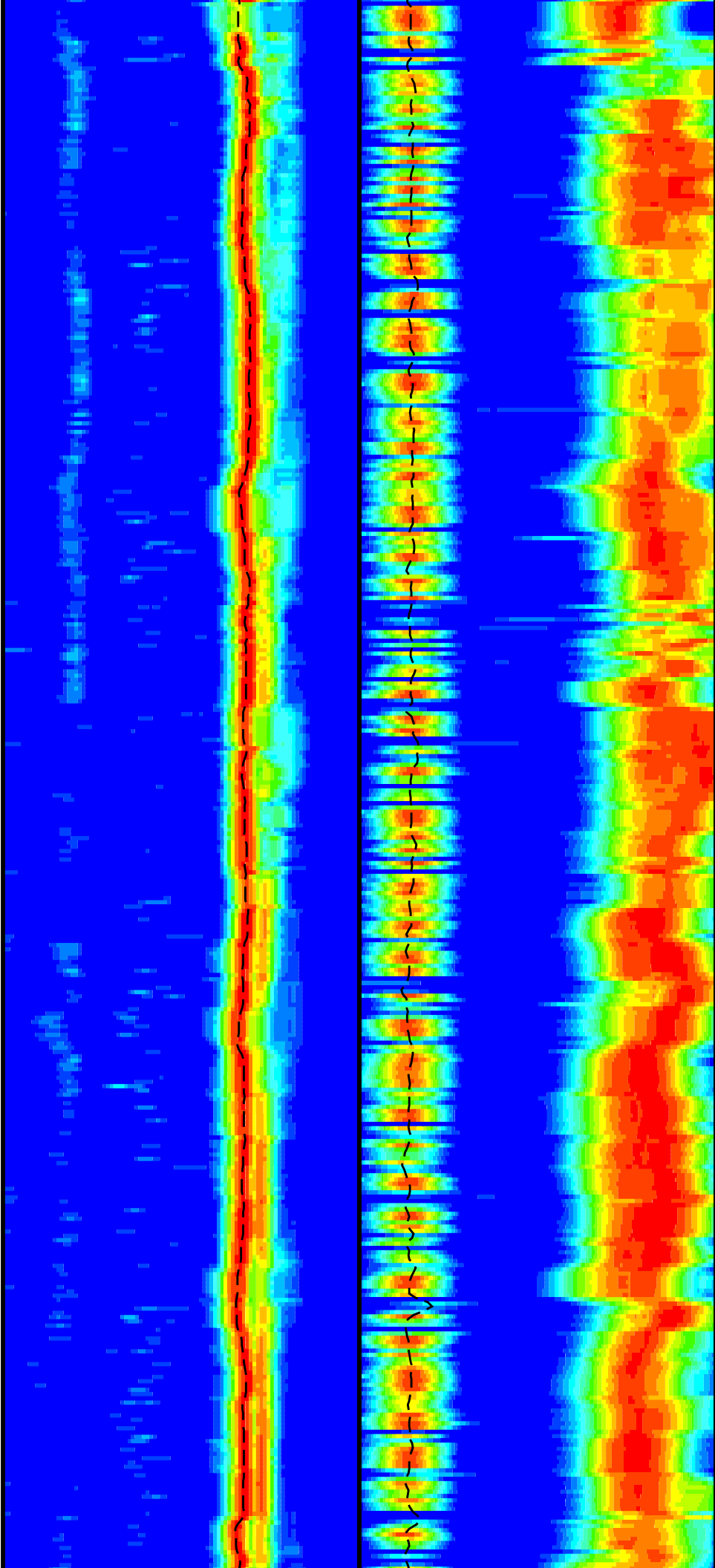
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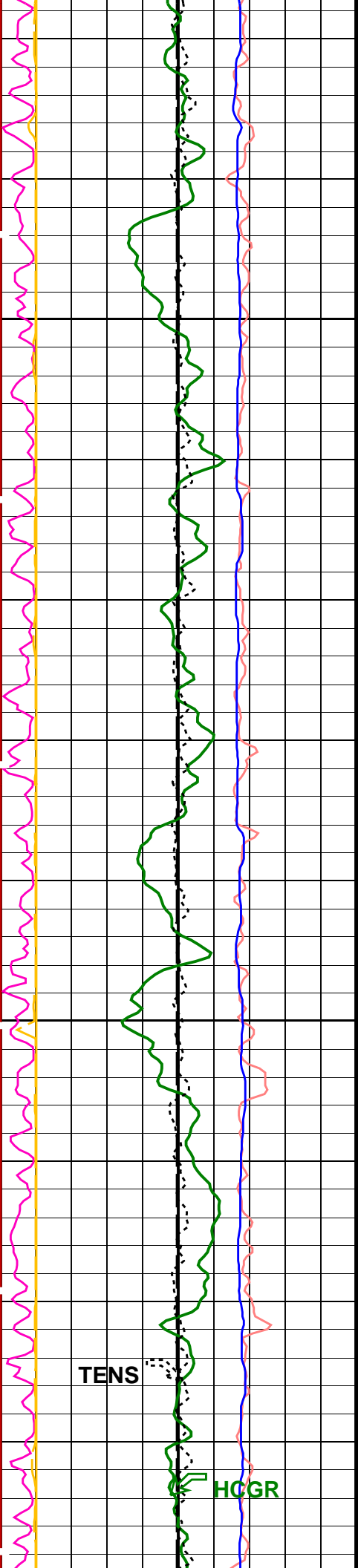




3450

3475



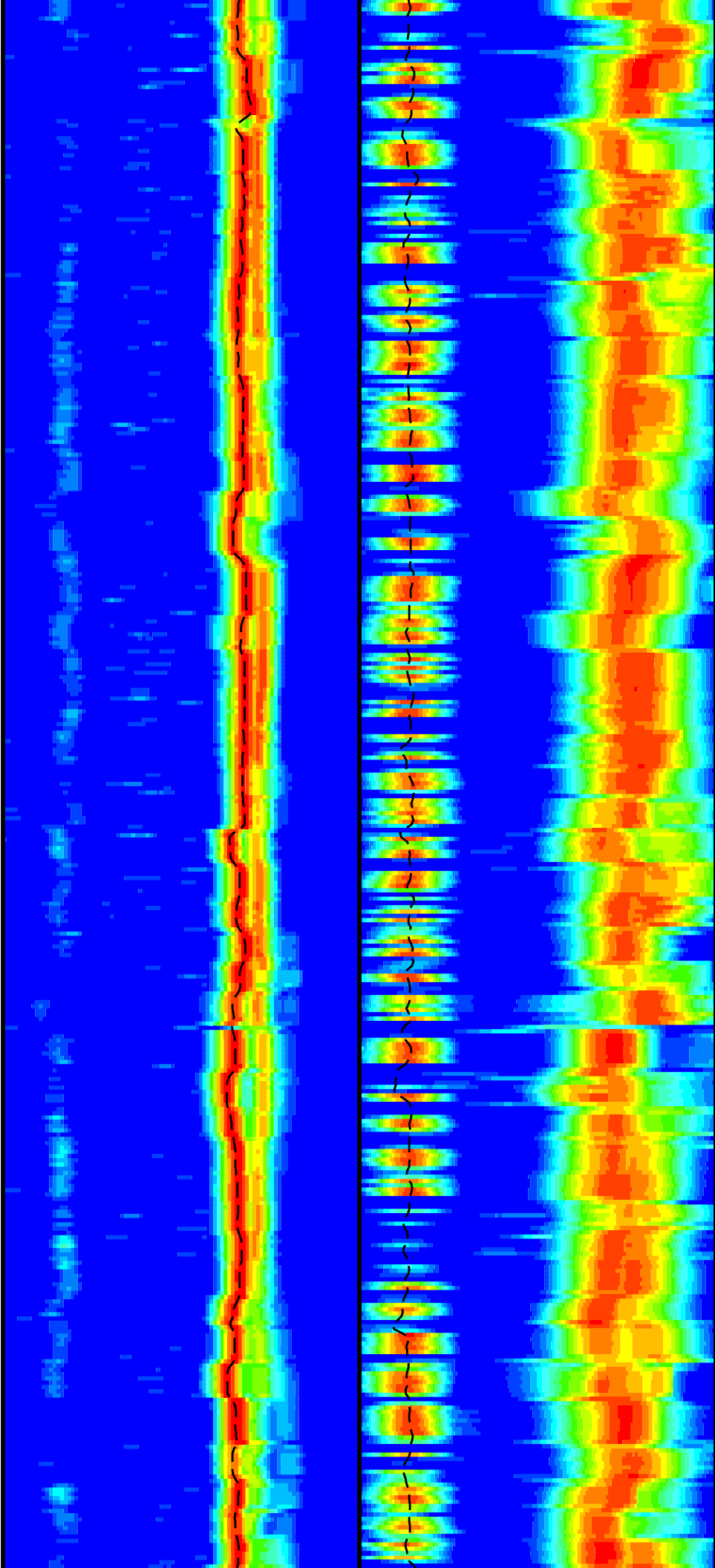


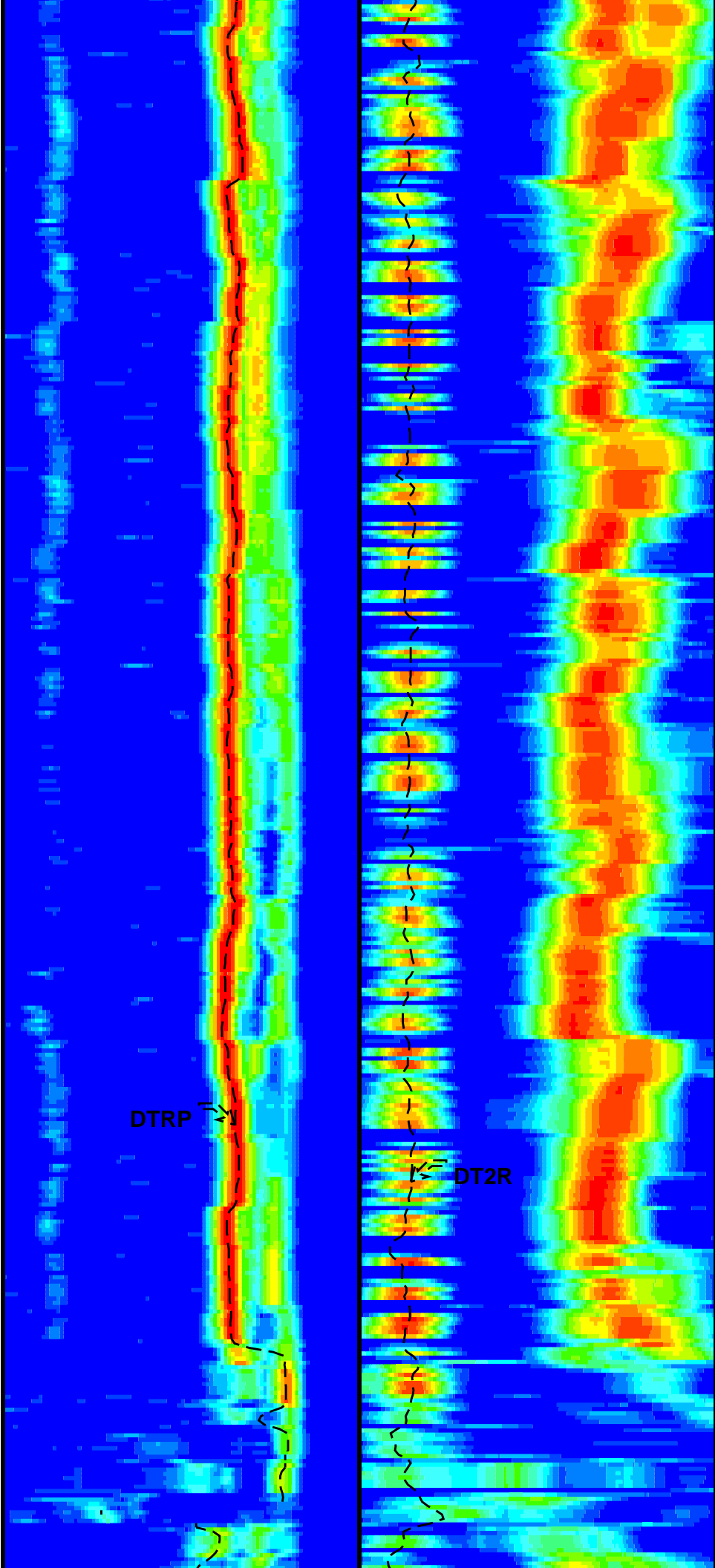
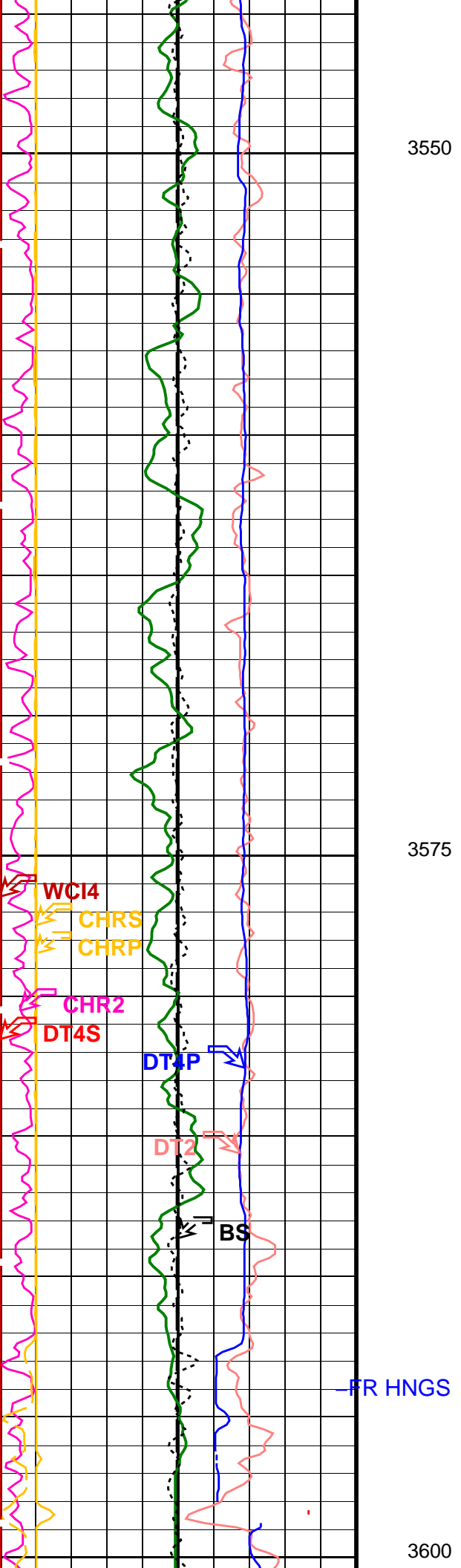
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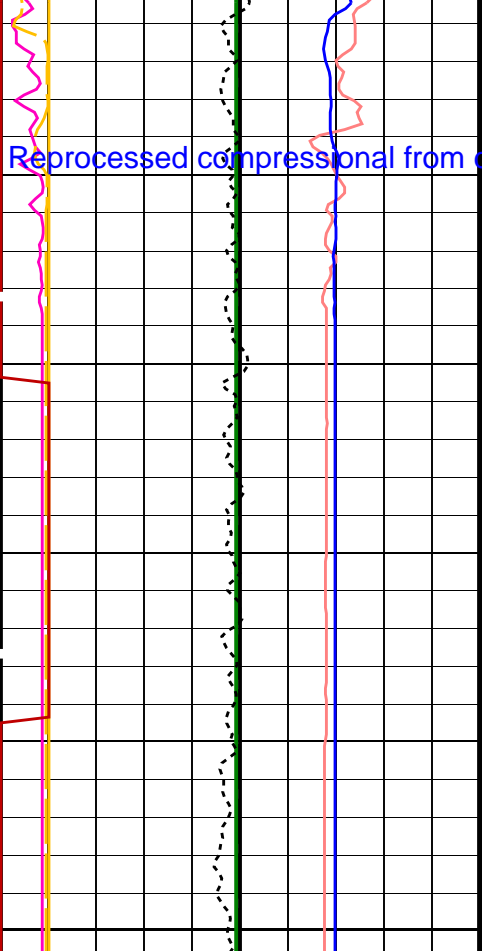
3525

TENS

HCGR







Bit Size (BS)
(IN) 0 20

Delta-T Shear - Upper Dipole (DT2)
(US/F) 440 40

Delta-T Comp - P & S (DT4P)
(US/F) 440 40

Delta-T Shear - P & S (DT4S)
(US/F) 440 40

Tension (TENS)
(LBF) 10000 0

HNGS Computed Gamma Ray (HCGR)
(GAPI) 0 100

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

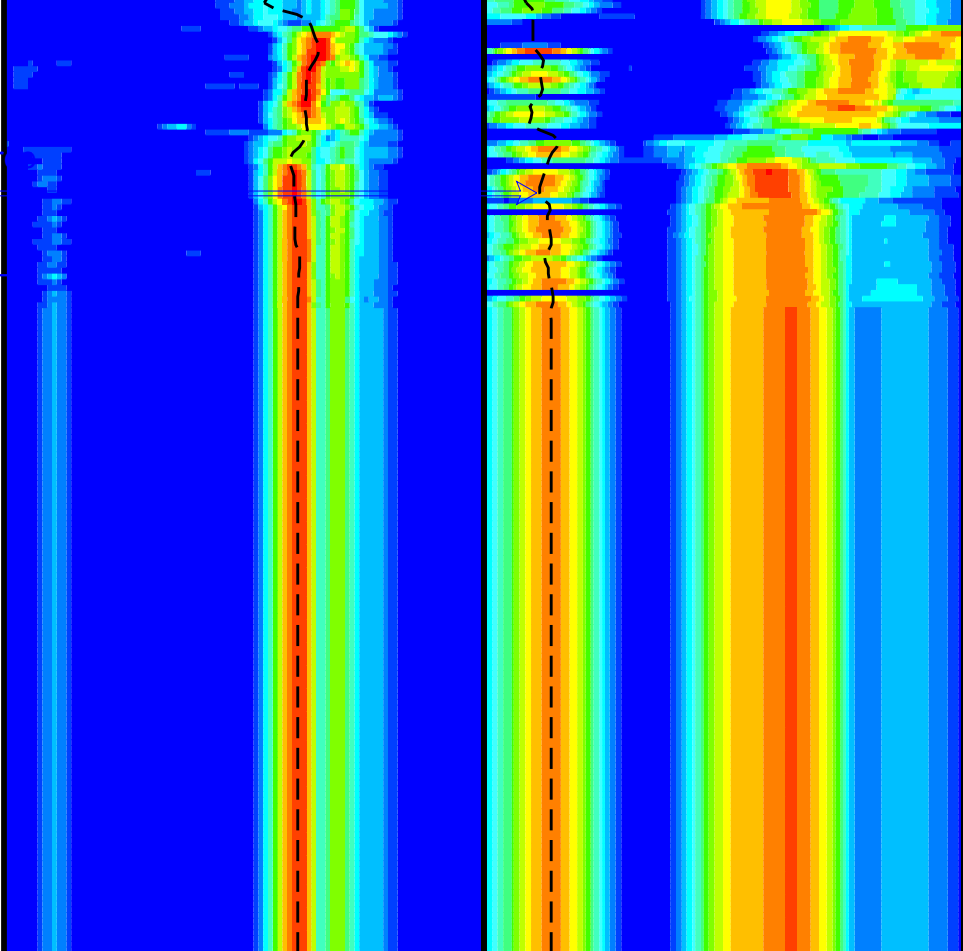
Peak Coherence / RA - P & S Comp (CHRP)
(----) 0 10

Peak Coherence / RA - P & S Shear (CHRS)
(----) -1 9

Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)
(----) 0 10

FR DSI

3625 TD



Delta-T Comp / RA - P & S (DTRP)
(US/F) 40 240

Delta-T Shear / RA - Upper Dipole (DT2R)
(US/F) 75 775

Delta-T Shear / RA - P & S (DTRS)
(US/F) 40 240

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

Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
(US/F) 40 240

Uplong #2

Playback of File 17 to File 30 to Reprocess Dipole to compressional

Reprocessed compressional from dipole source

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	200	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	DONT_USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	100	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	250	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	204.5	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	
GCSE	Generalized Caliper Selection	BS	
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 - High Frequency 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	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	120	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 - Inner Dipole	2000	US

TWD4	STC Time Width - Upper Dipole	2800	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	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00199812	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990409	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.98694	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.22	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Feb-2010 18:26

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT	FMS_DSI_NGS_017LUP	FN:26	PRODUCER	23-Feb-2010 14:02	3625.6 M	3125.7 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:43	PRODUCER	28-Feb-2010 18:26
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Company: Lamont Doherty

Well: Expedition 318 Site U1359D

Input DLIS Files

DEFAULT	FMS_DSI_NGS_016LUP	FN:24	PRODUCER	23-Feb-2010 12:38	3627.9 M	3125.4 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:44	PRODUCER	28-Feb-2010 18:46	3627.9 M	3125.4 M
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OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

PIP SUMMARY

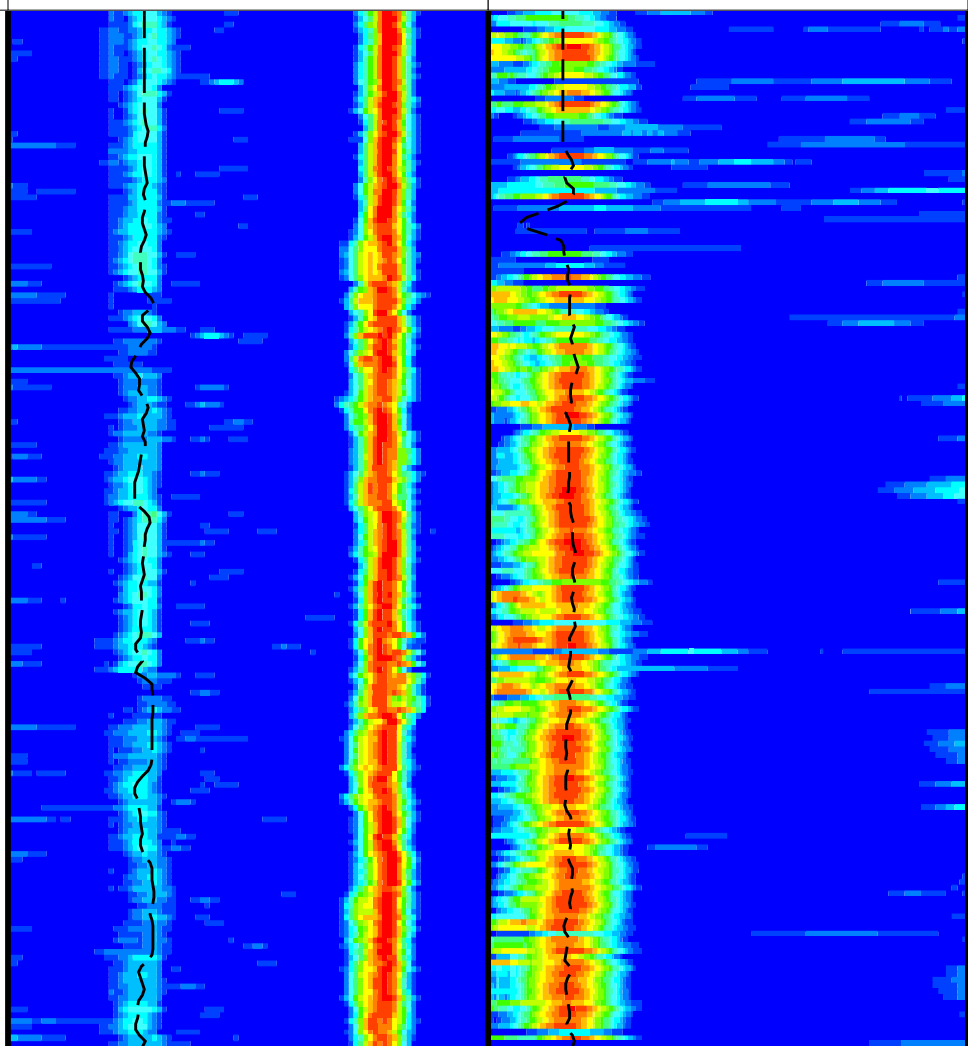
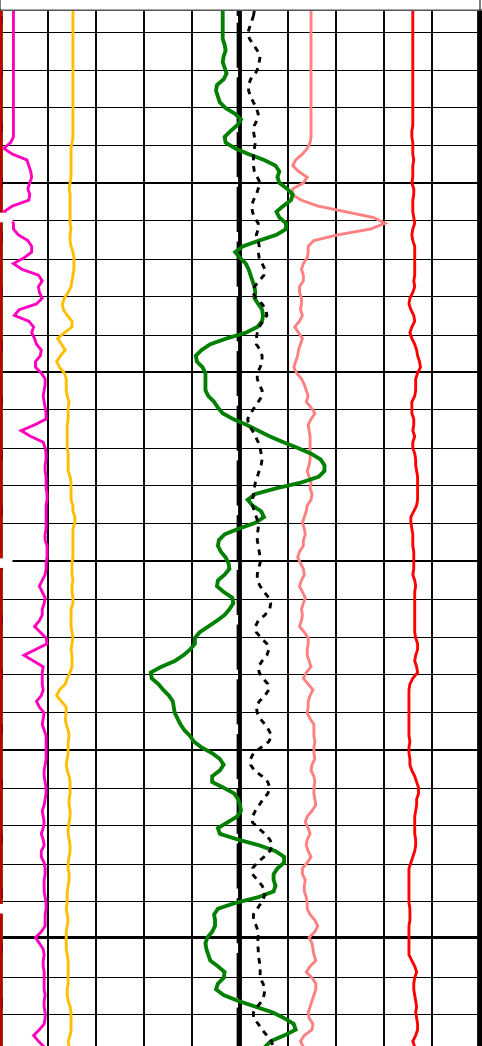
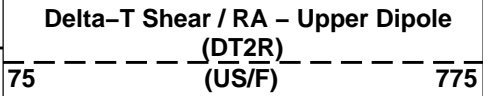
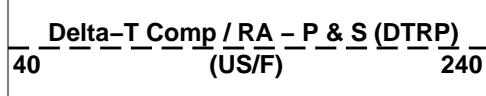
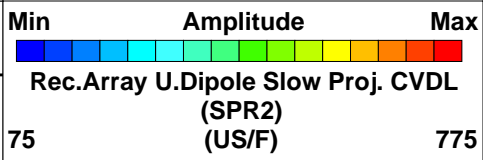
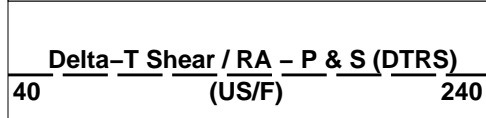
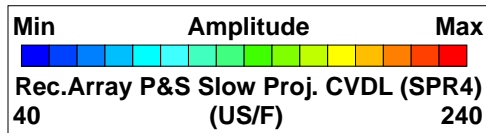
Time Mark Every 60 S

Waveform Data Copy Indicator 4 -
Monopole P&S (WCI4)

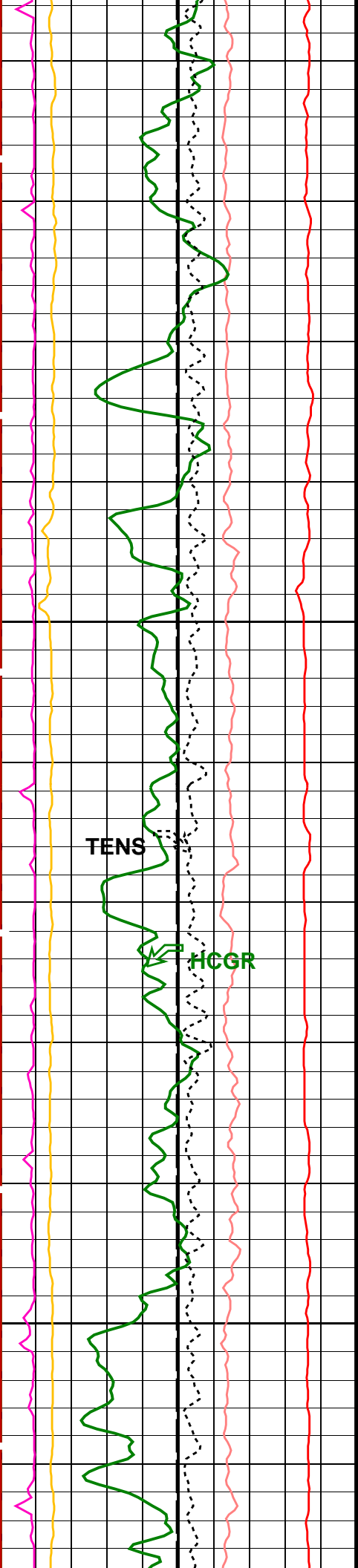
0 (----) 10

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
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	100
Tension (TENS)		
10000	(LBF)	0
Delta-T Shear - P & S (DT4S)		
440	(US/F)	40
Delta-T Comp - P & S (DT4P)		
440	(US/F)	40
Delta-T Shear - Upper Dipole (DT2)		
440	(US/F)	40
Bit Size (BS)		
0	(IN)	20

Uplong #1 Playback Reprocessing for Dipole to Compressional

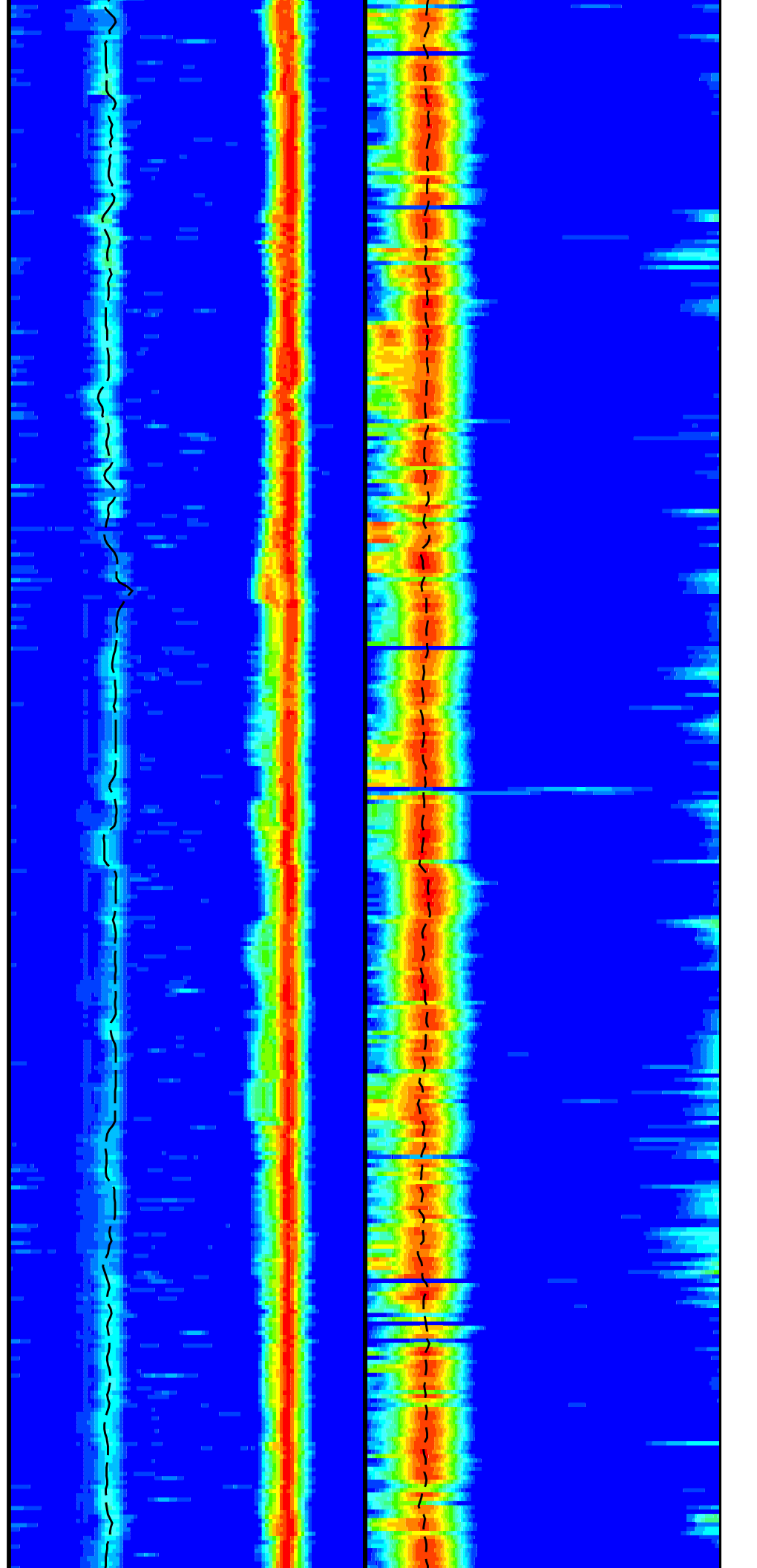


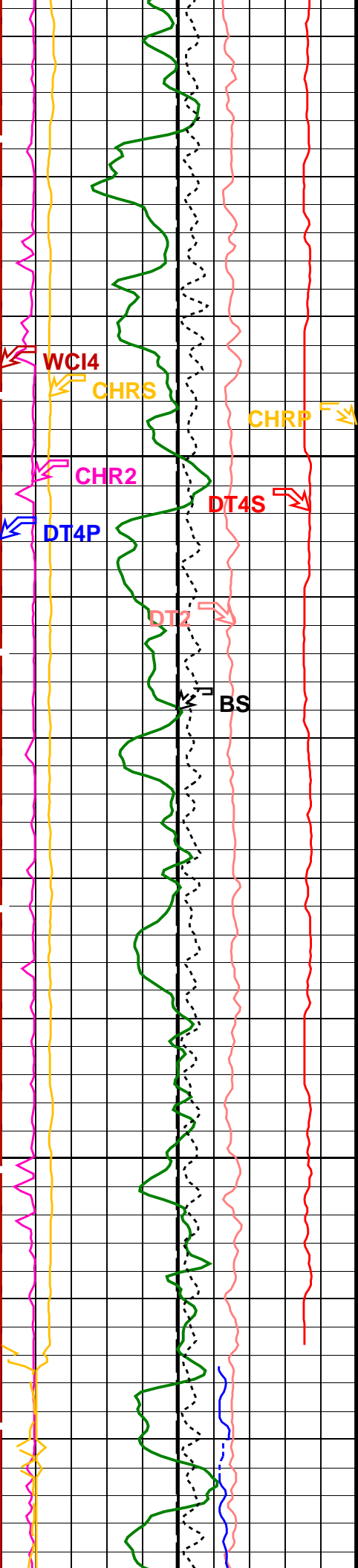
3150



3175

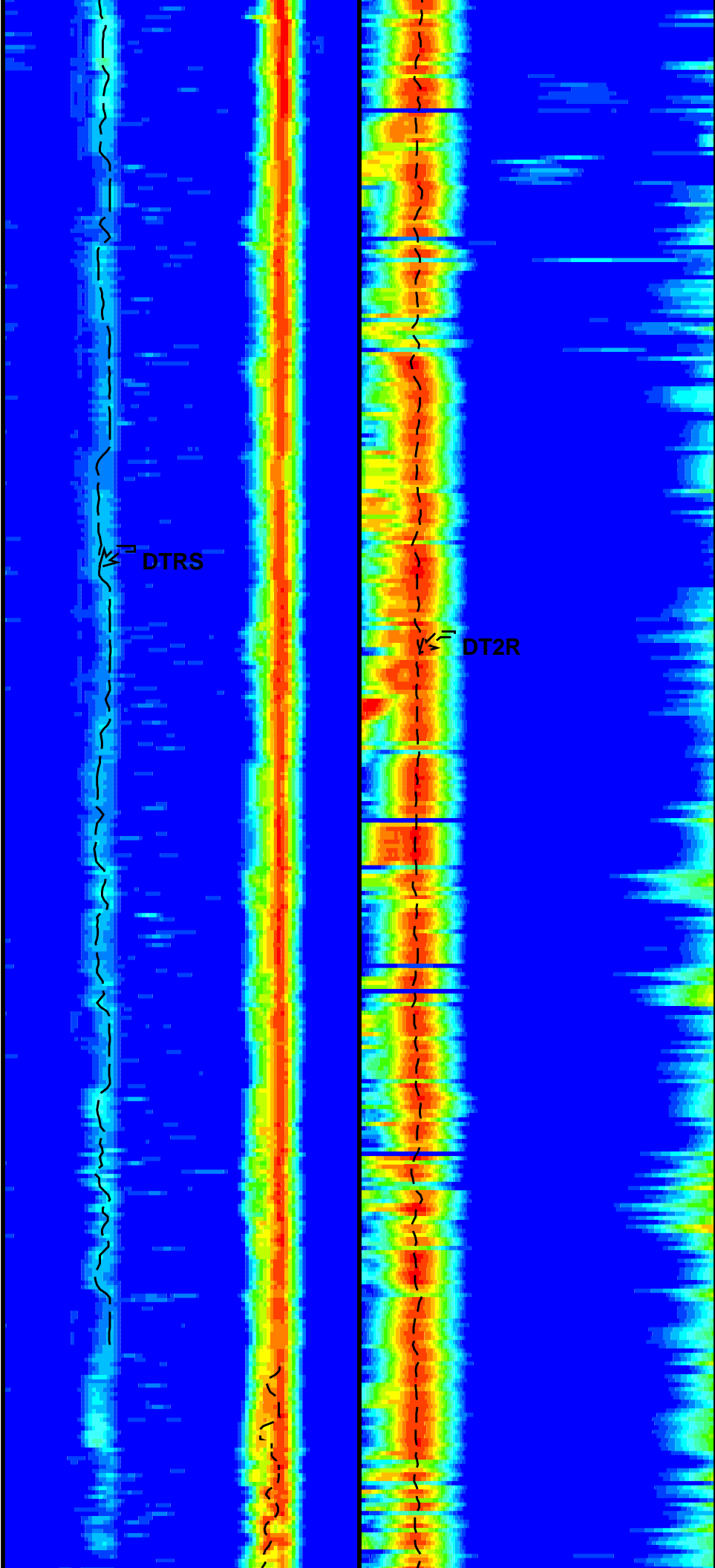
3200





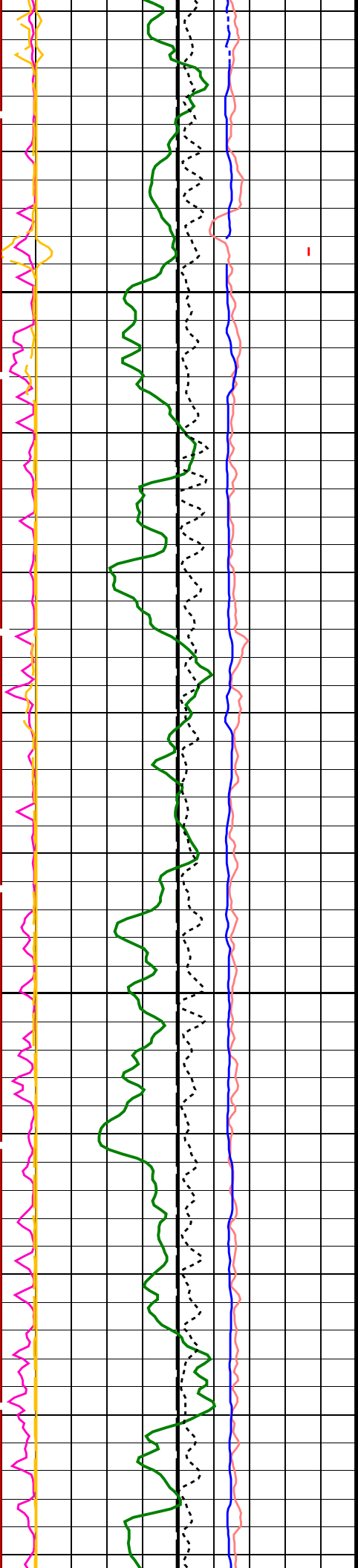
3225

3250



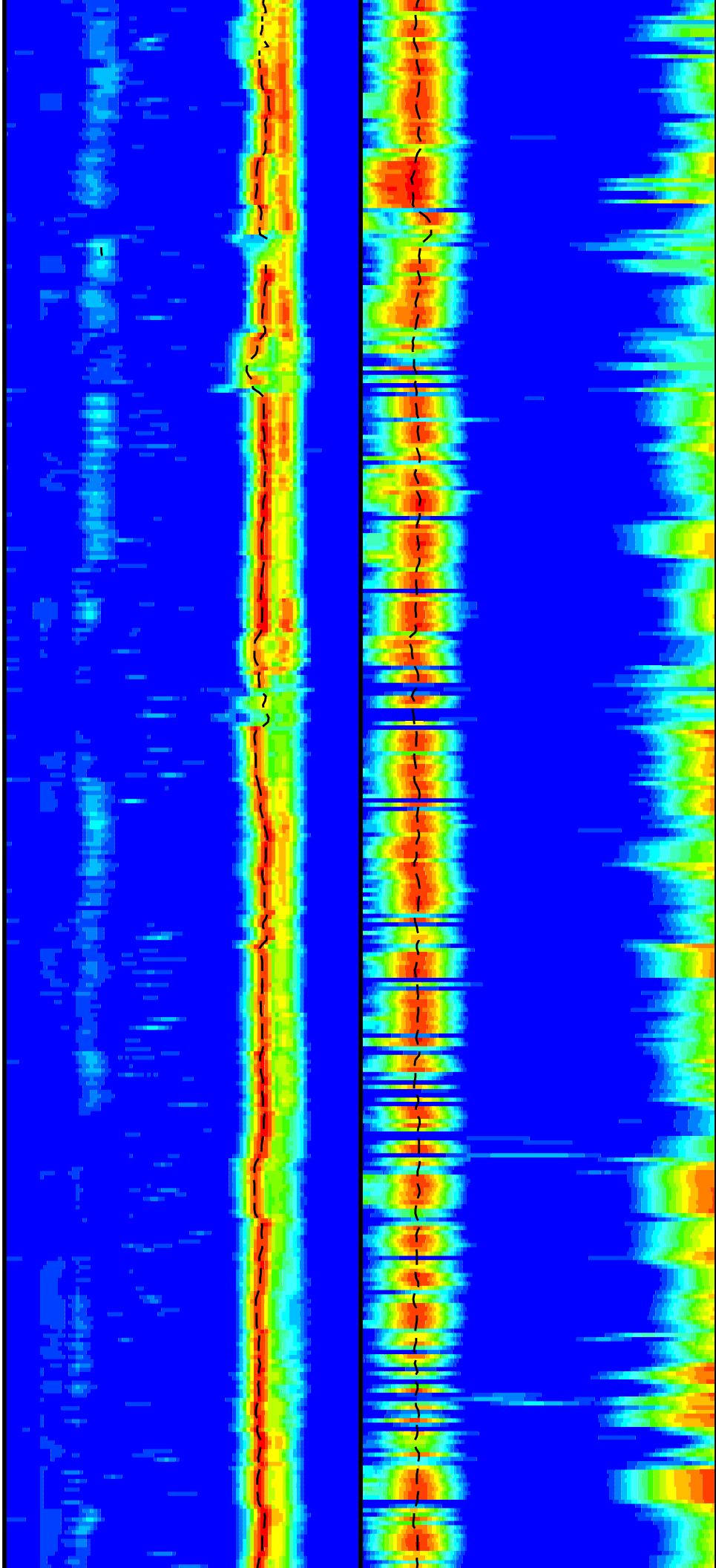
DTRS

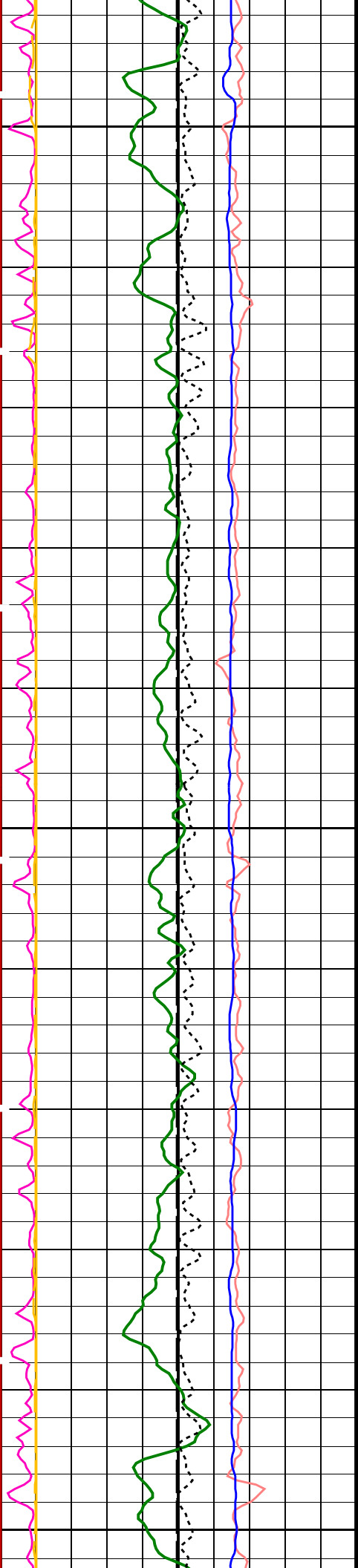
DT2R



3275

3300

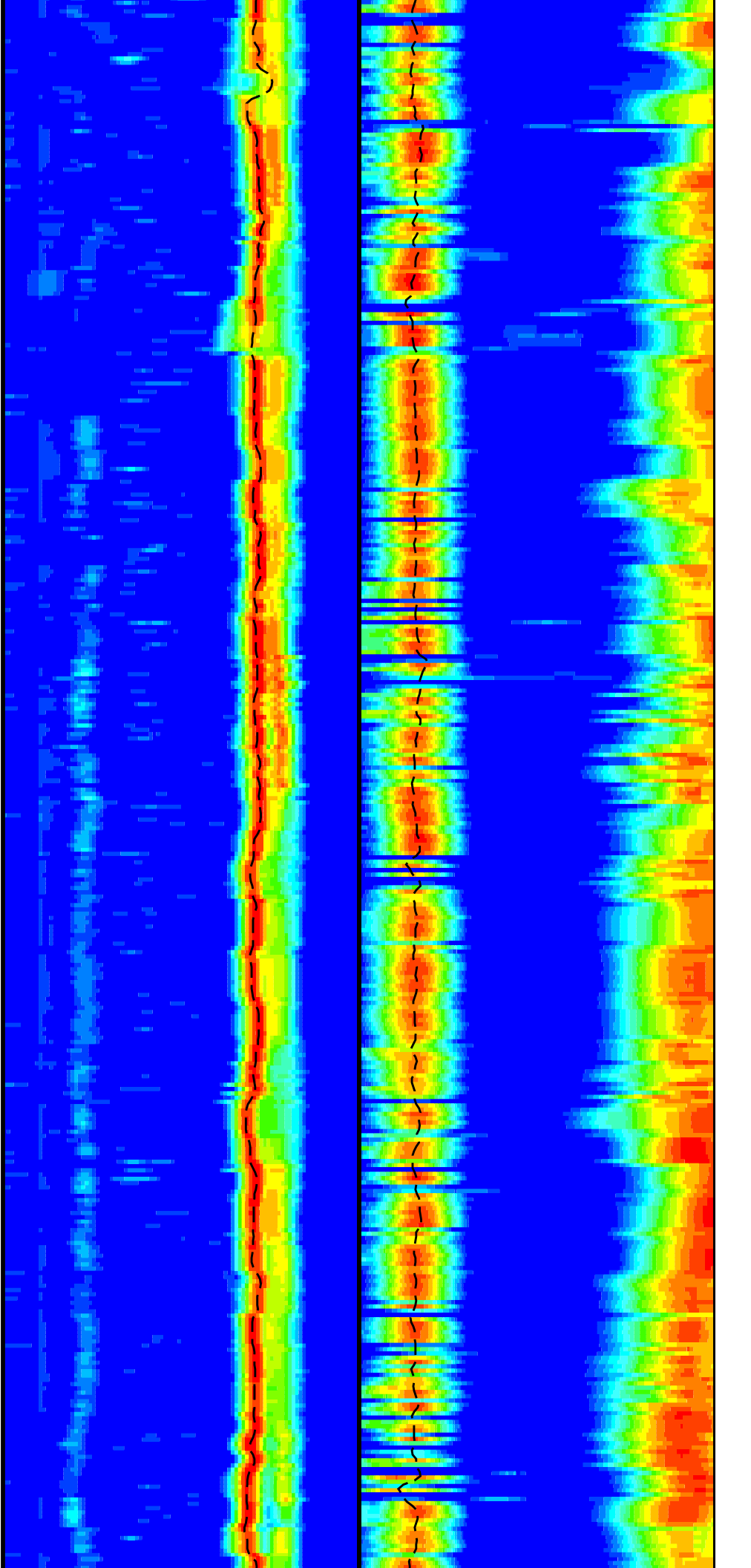


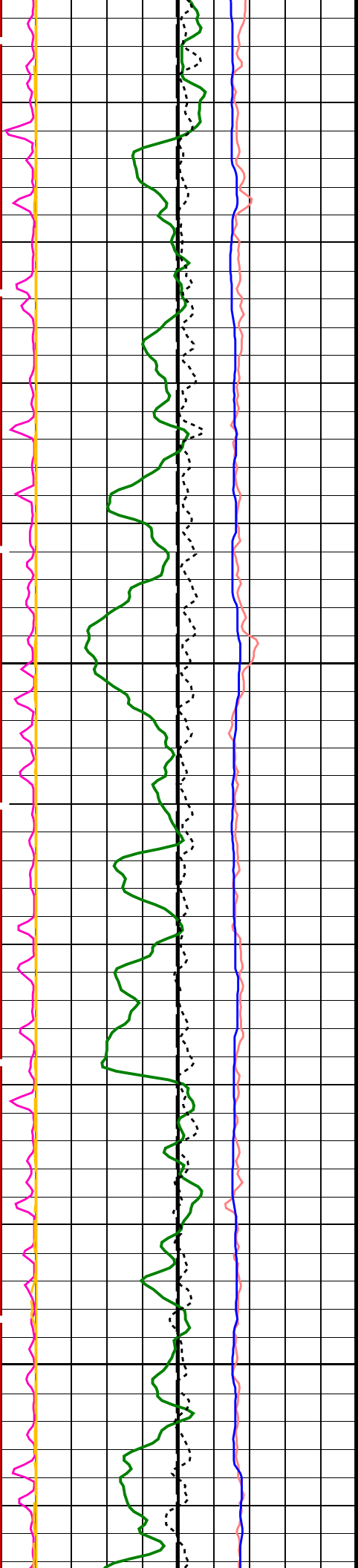


3325

3350

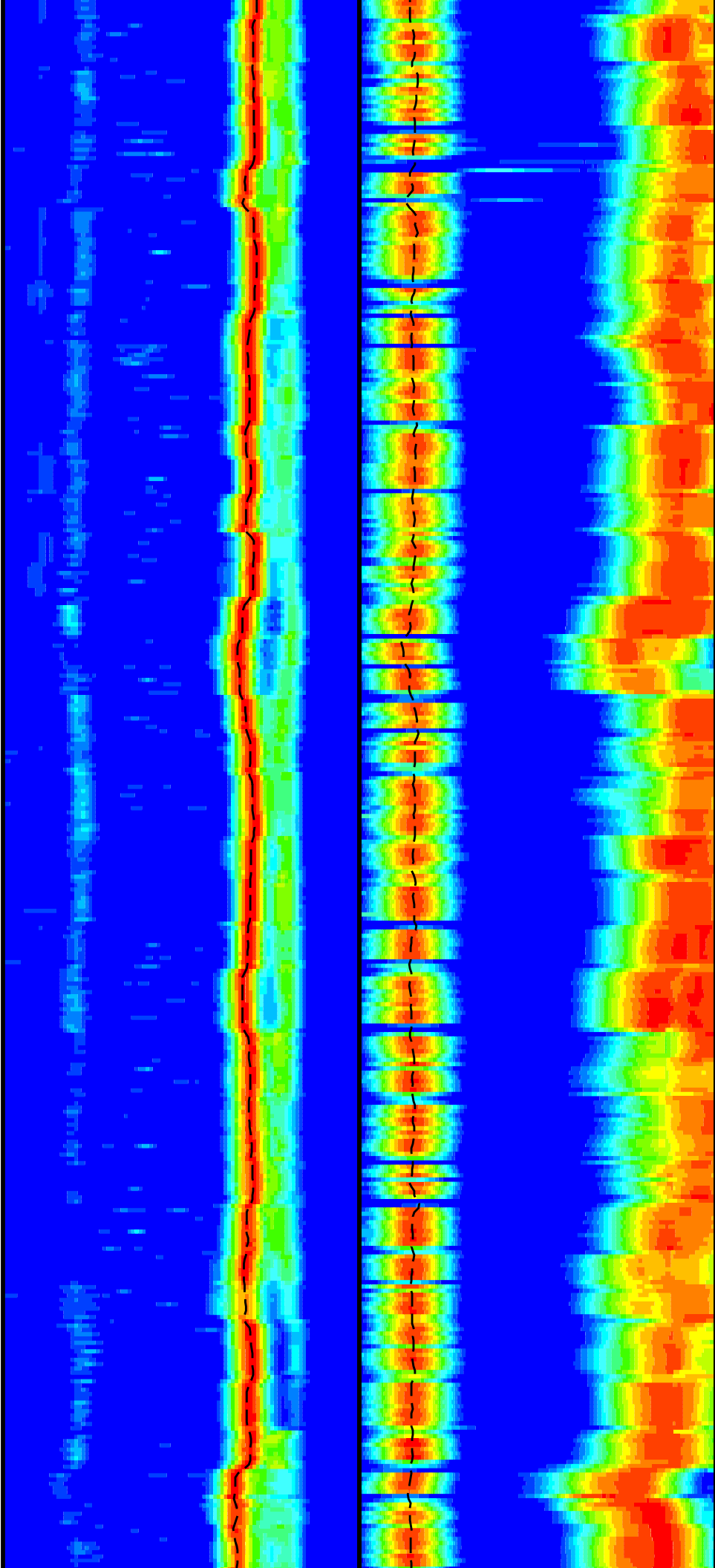
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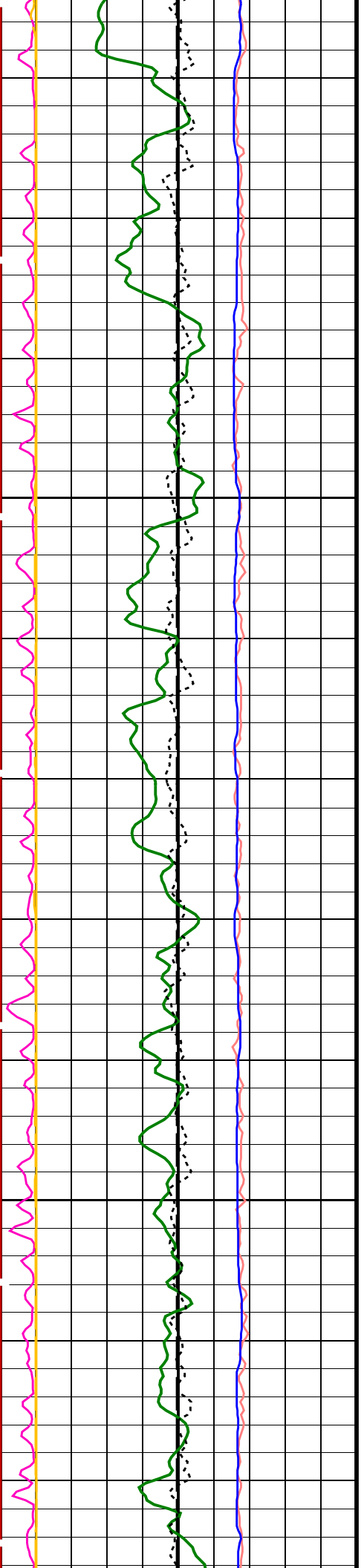




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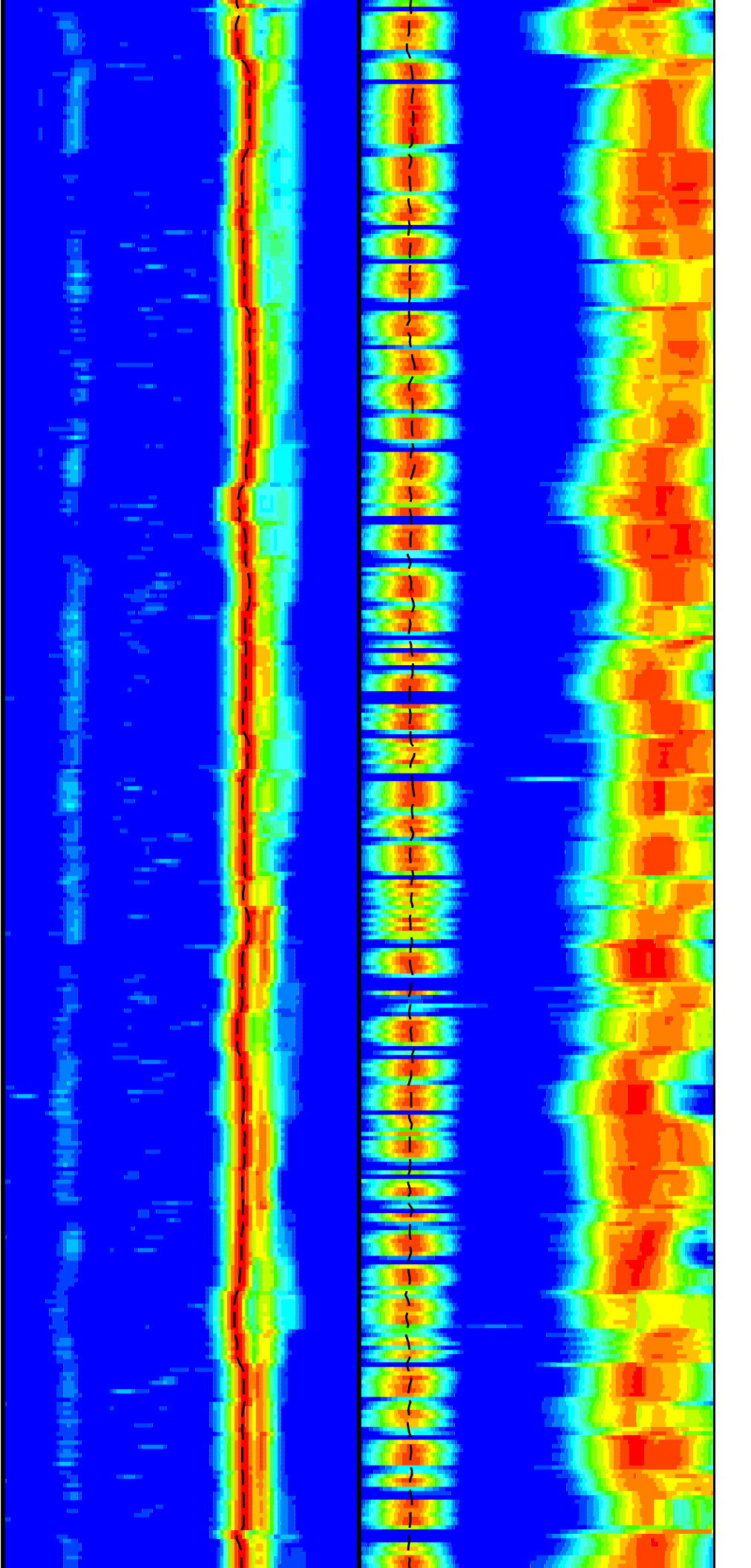
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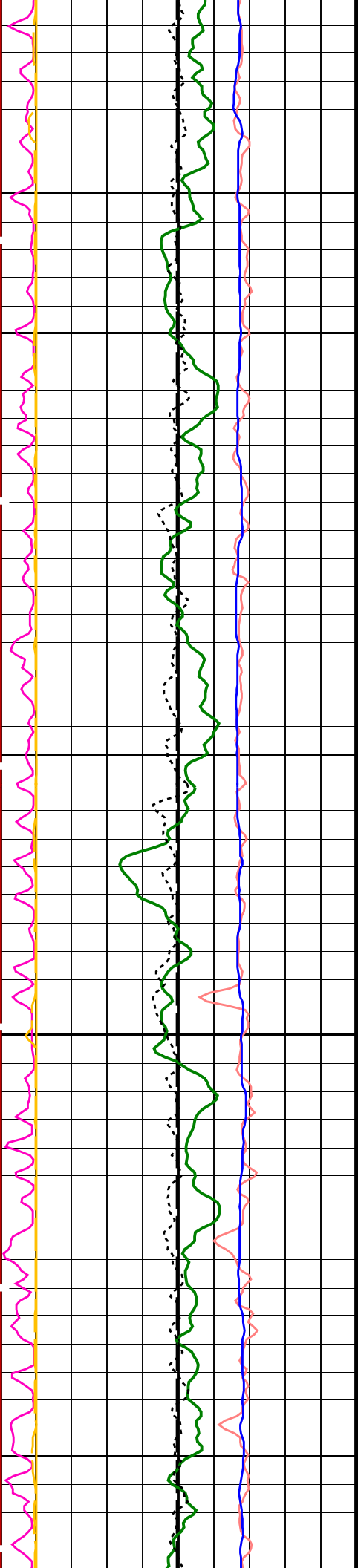




3450

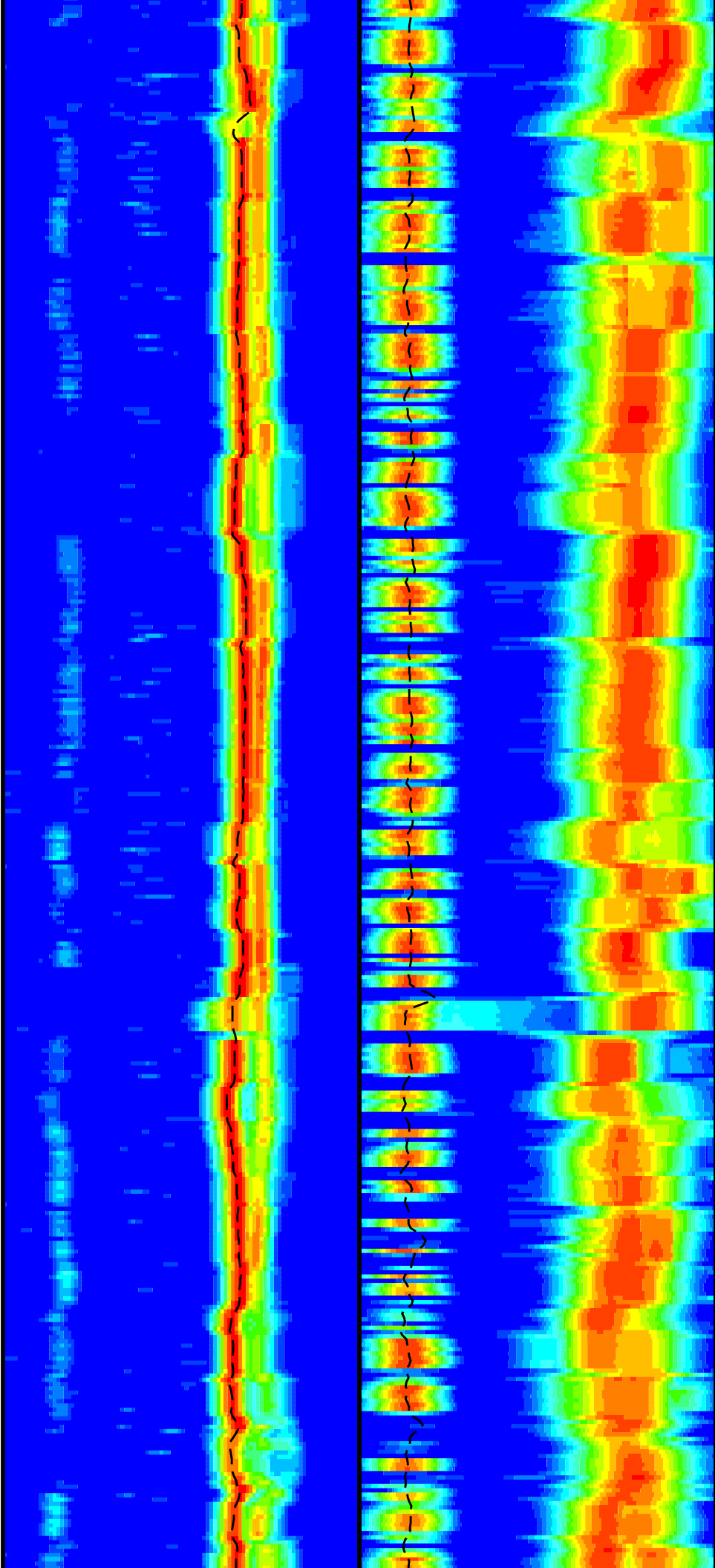
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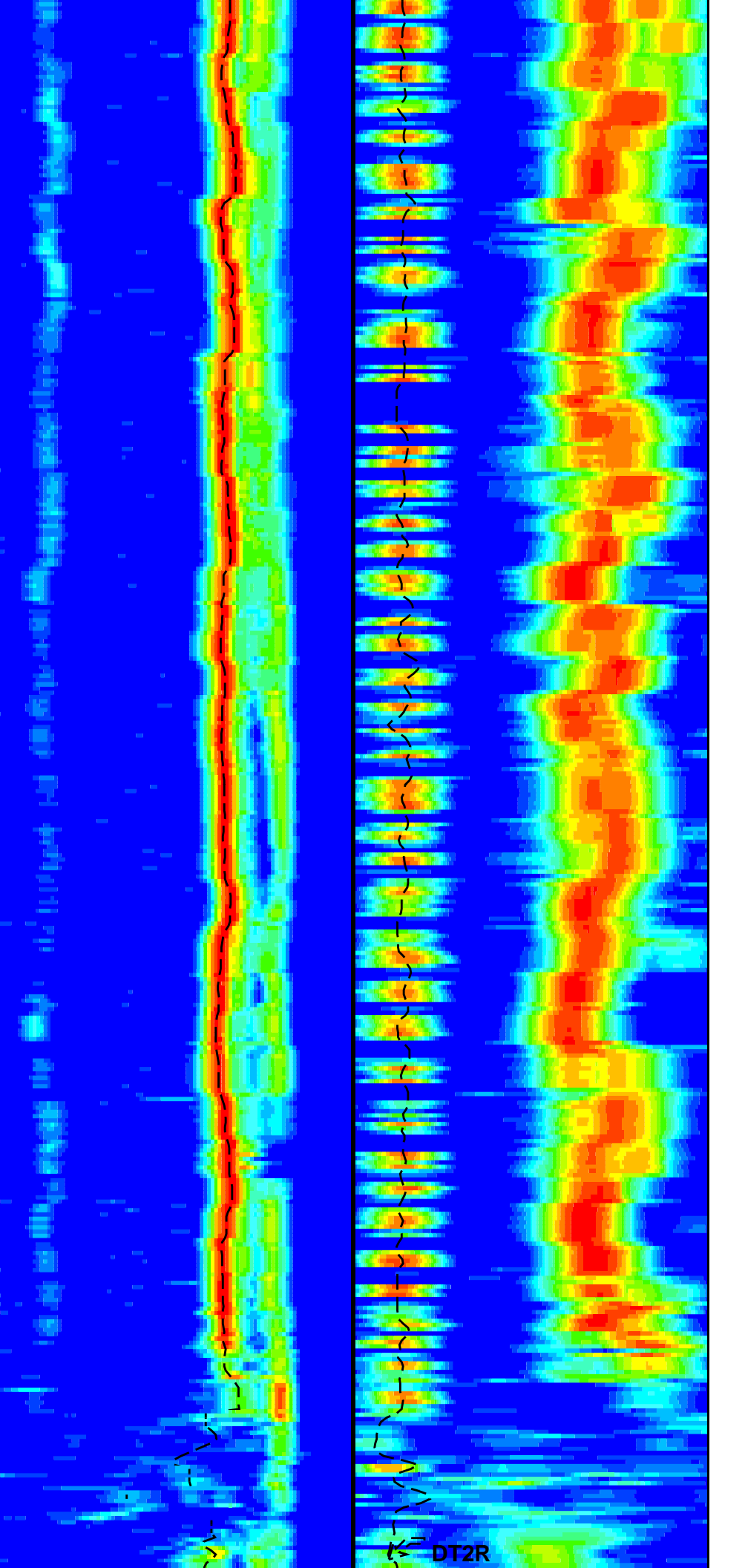
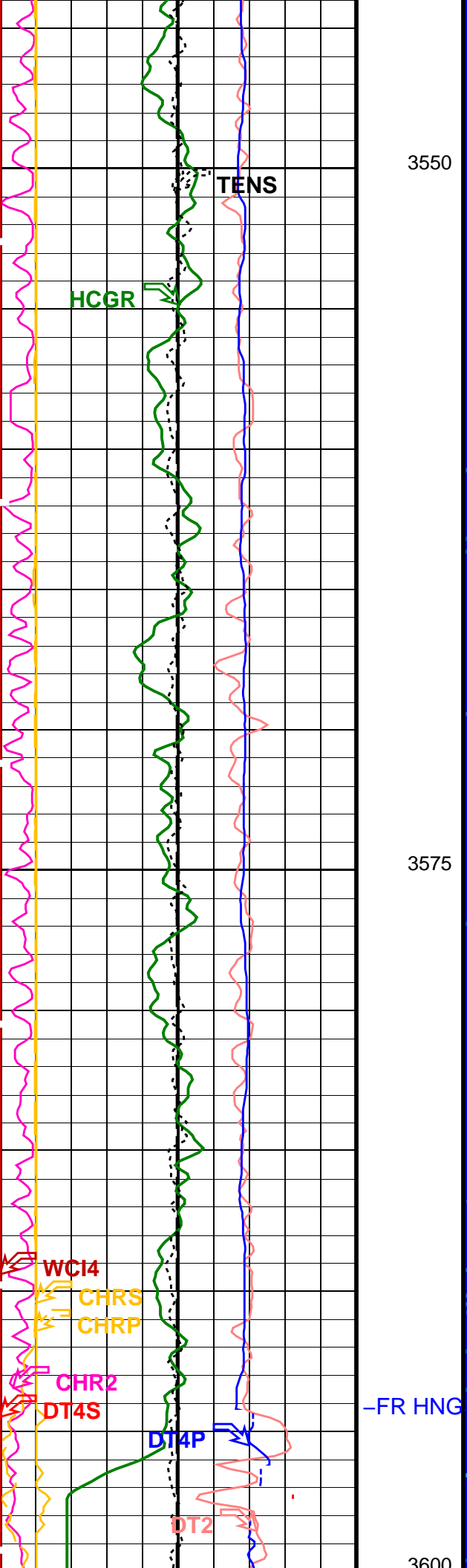


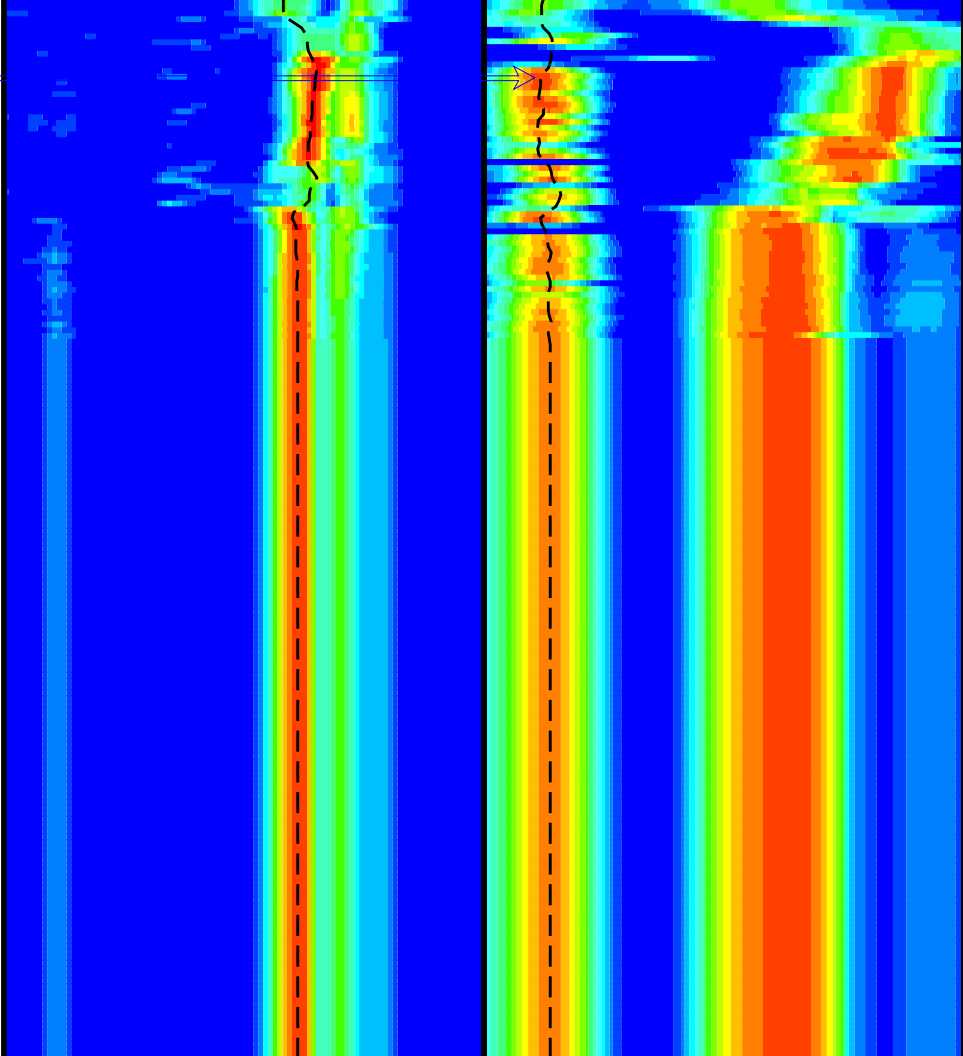
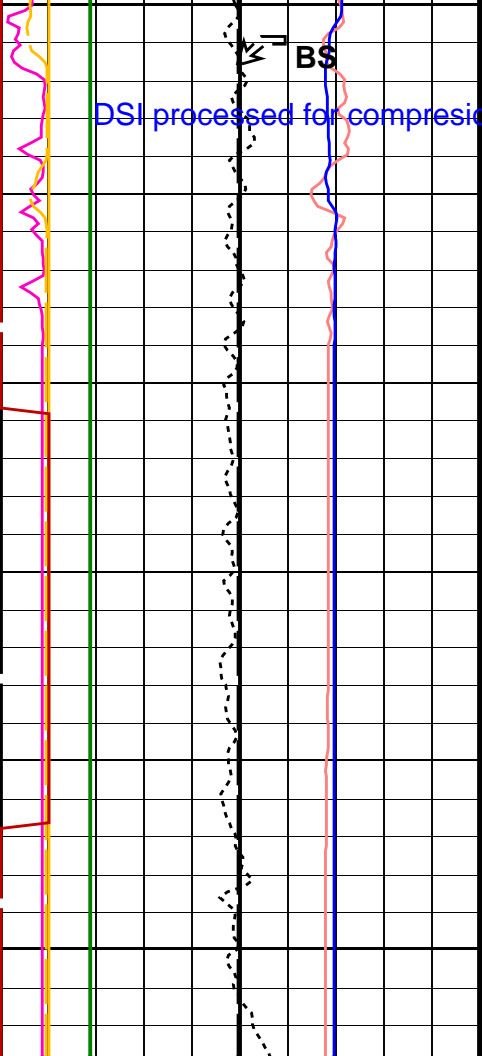


3500

3525







Bit Size (BS) (IN)	0	20
Delta-T Shear - Upper Dipole (DT2) (US/F)	440	40
Delta-T Comp - P & S (DT4P) (US/F)	440	40
Delta-T Shear - P & S (DT4S) (US/F)	440	40
Tension (TENS) (LBF)	10000	0
HNGS Computed Gamma Ray (HCGR) (GAPI)	0	100
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

Delta-T Comp / RA - P & S (DTRP) (US/F)	40	240
Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	75	775
Delta-T Shear / RA - P & S (DTRS) (US/F)	40	240
Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	75	775
Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	40	240

Uplong #1 Playback Reprocessing for Dipole to Compressional

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	195	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	DONT_USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	100	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	250	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	204.5	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	
GCSE	Generalized Caliper Selection	BS	
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 - High Frequency 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	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180	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

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	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00353927	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.951237	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.958169	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.22	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Feb-2010 18:46

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Input DLIS Files

DEFAULT	FMS_DSI_NGS_016LUP	FN:24	PRODUCER	23-Feb-2010 12:38	3627.9 M	3125.4 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:44	PRODUCER	28-Feb-2010 18:46		
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Company: Lamont Doherty Well: Expedition 318 Site U1359D

Output DLIS Files

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BACKUP	FMS_DSI_NGS_019LUP	FN:31	PRODUCER	23-Feb-2010 17:43	3625.6 M	3007.6 M

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

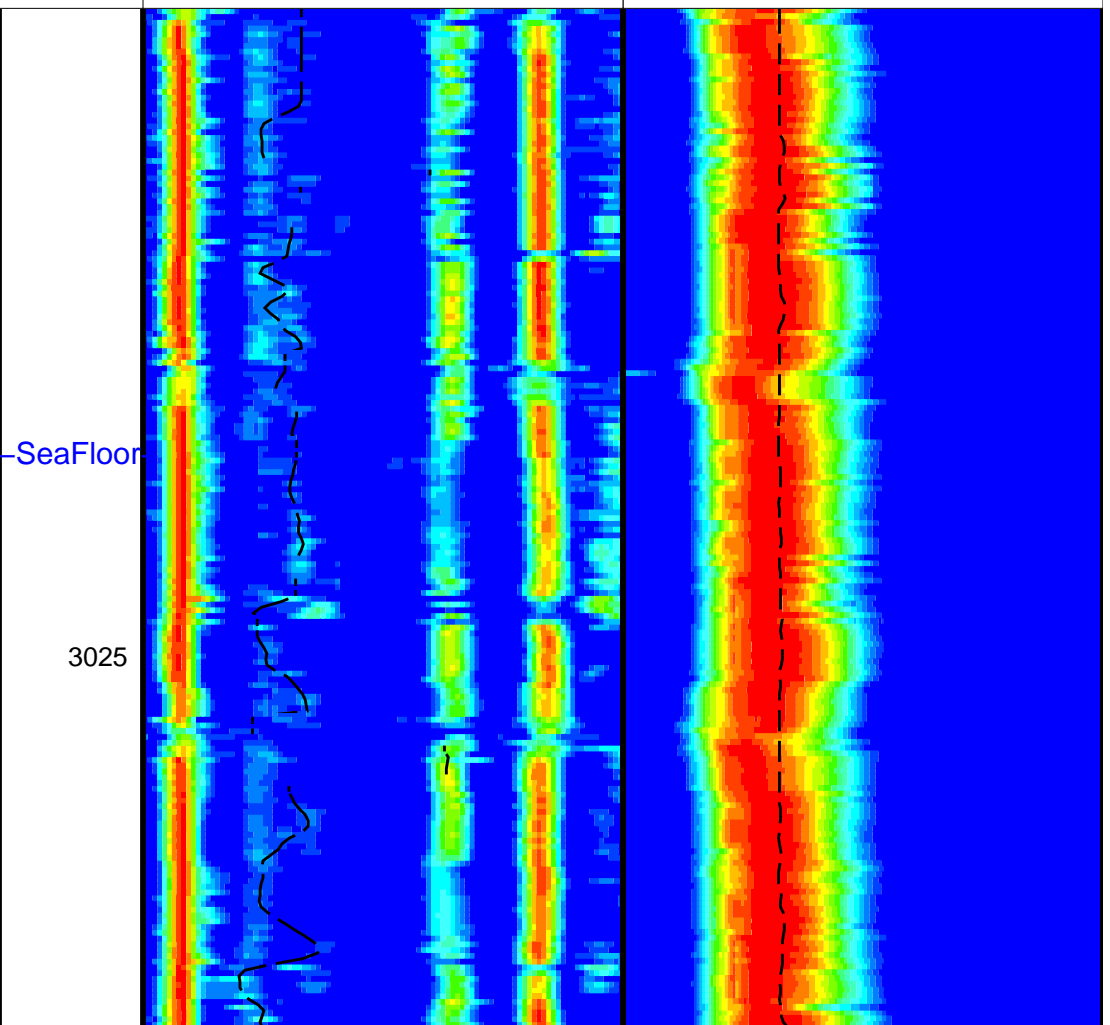
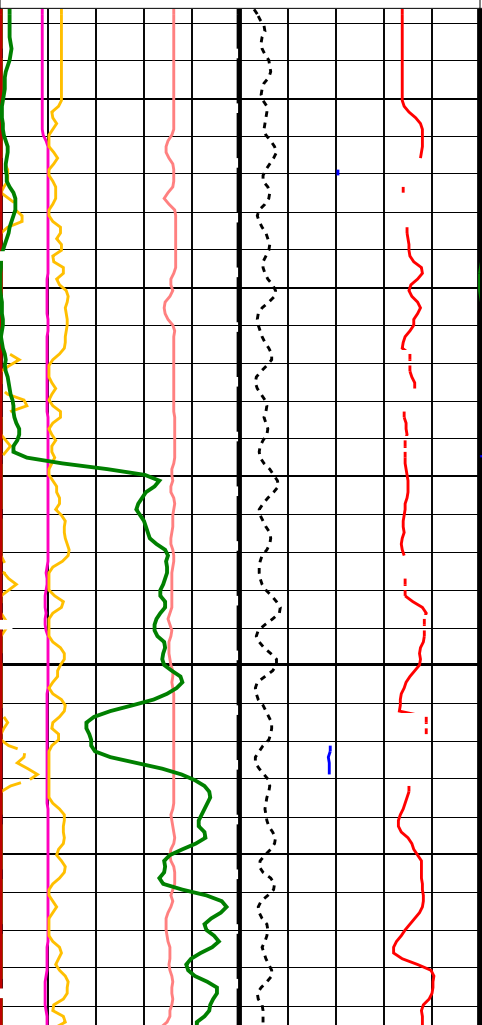
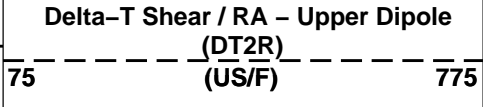
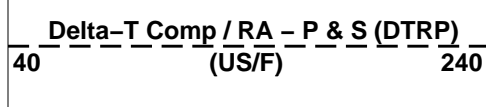
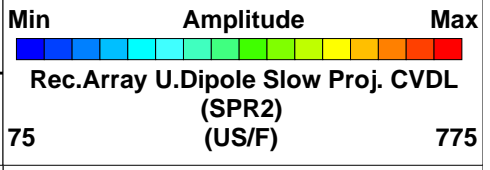
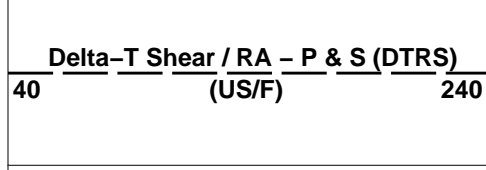
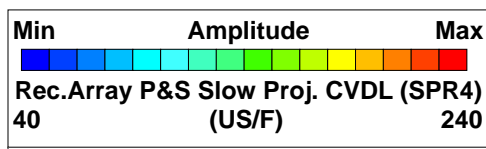
PIP SUMMARY

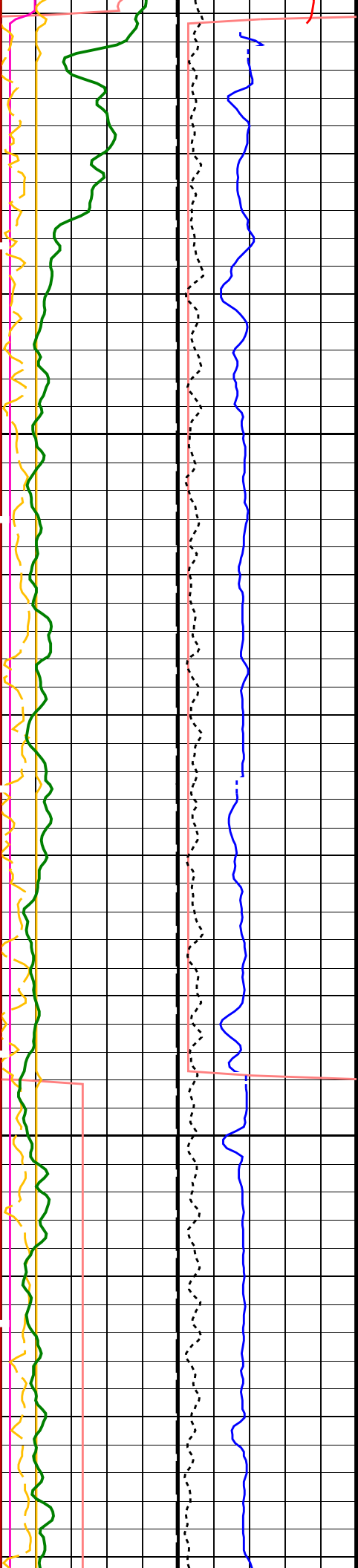
Time Mark Every 60 S

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
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	100
Tension (TENS)		
10000	(LBF)	0
Delta-T Shear – P & S (DT4S)		
440	(US/F)	40
Delta-T Comp – P & S (DT4P)		
440	(US/F)	40
Delta-T Shear – Upper Dipole (DT2)		
440	(US/F)	40
Bit Size (BS)		
0	(IN)	20

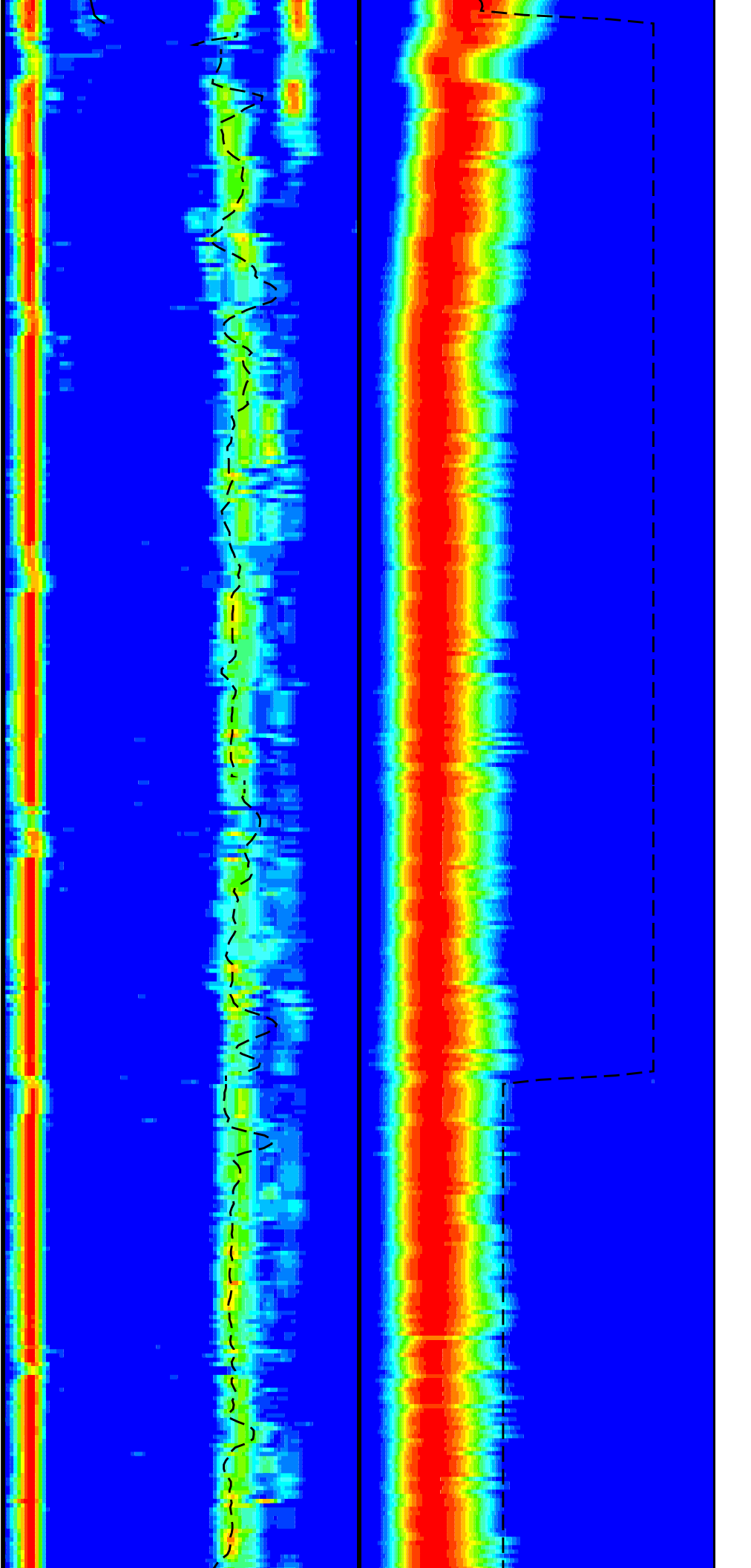
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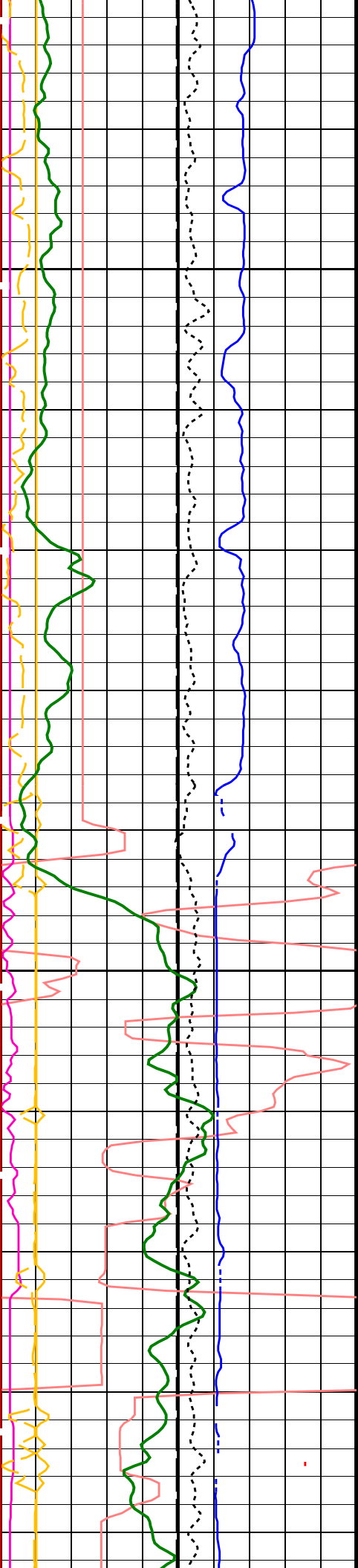




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3075

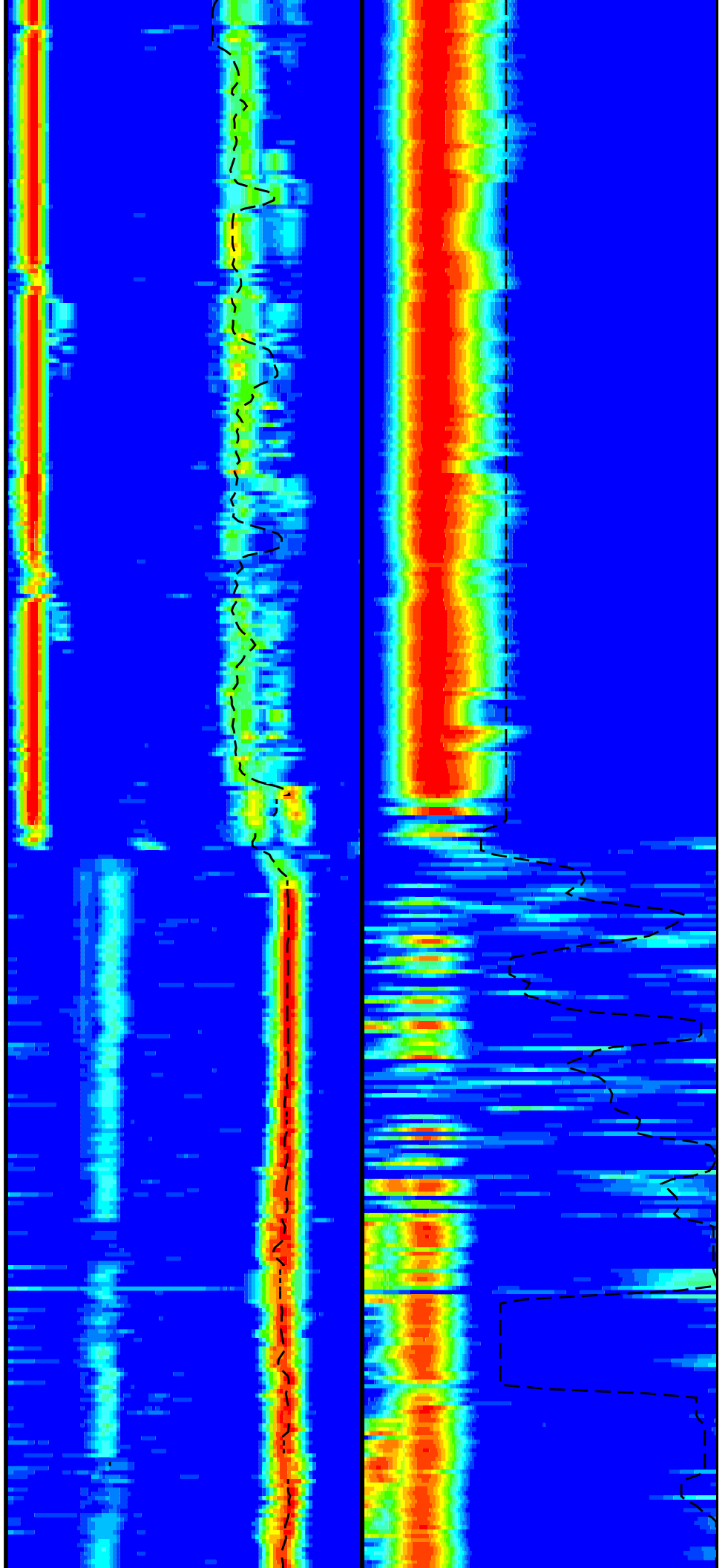


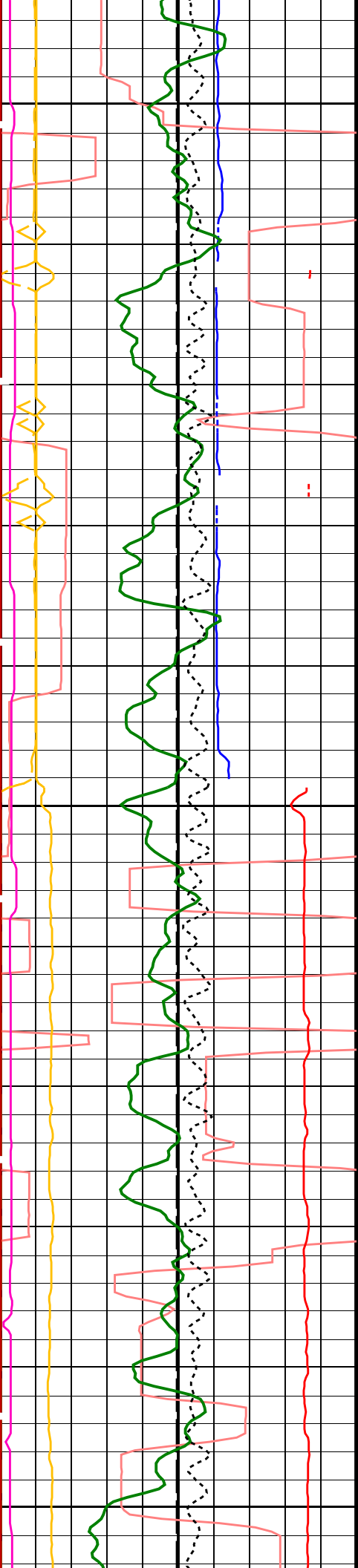


3100

-Pipe-

3125

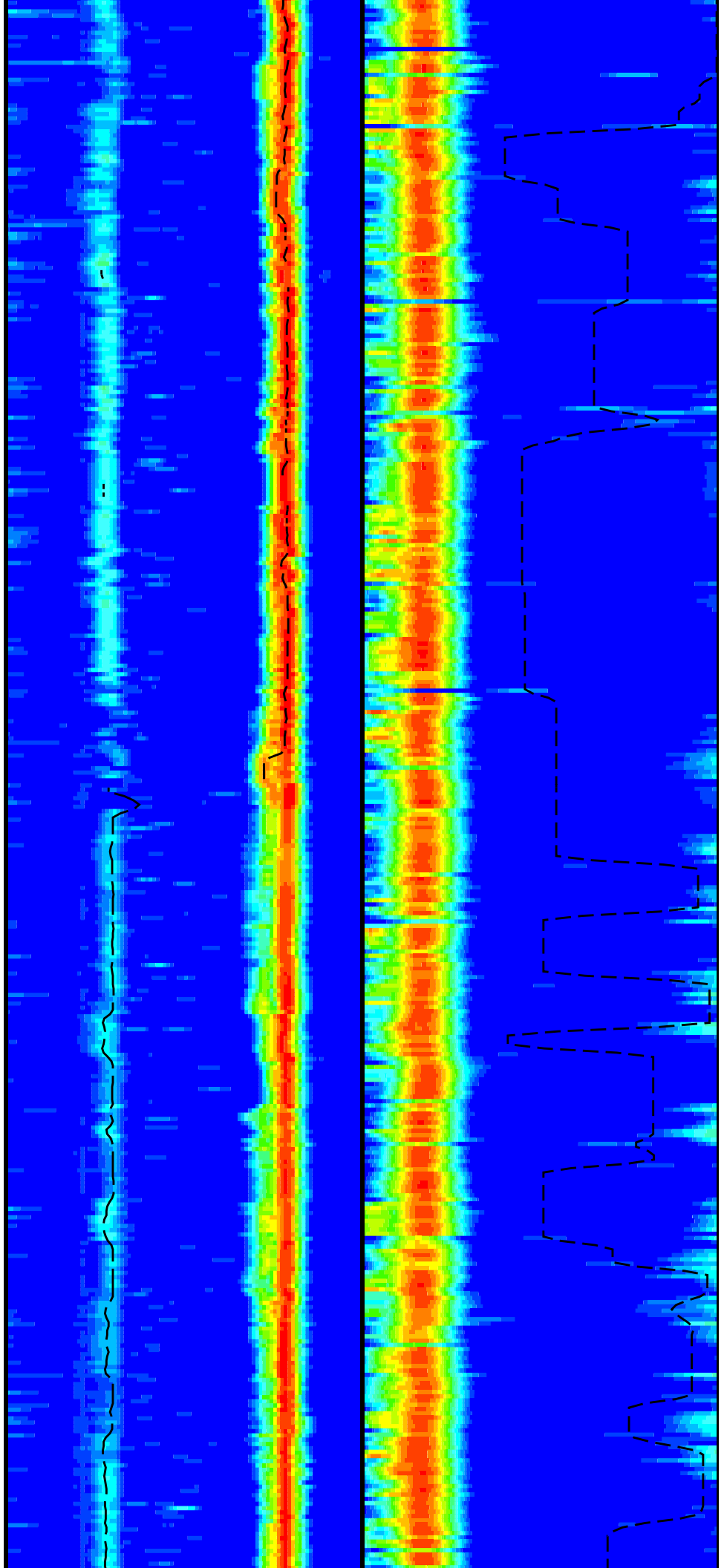


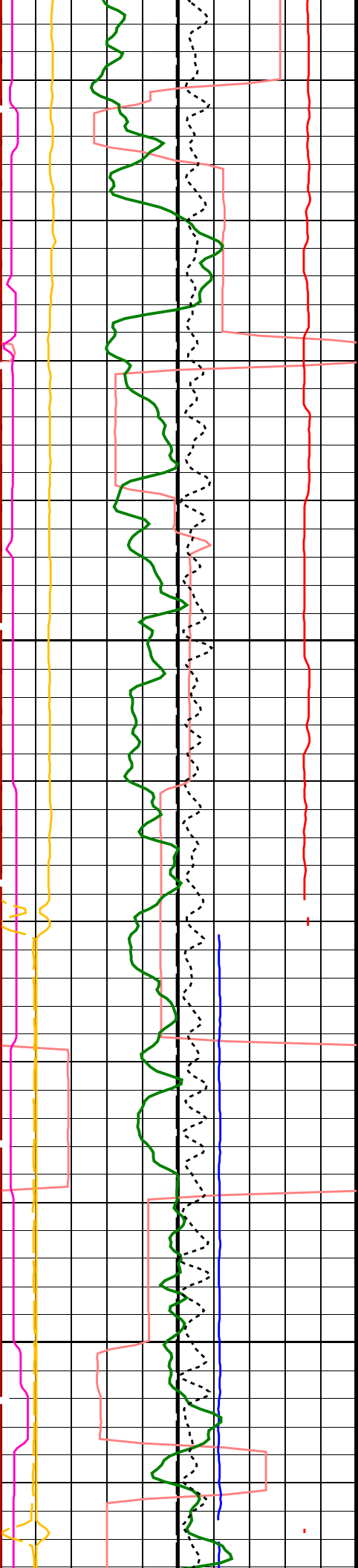


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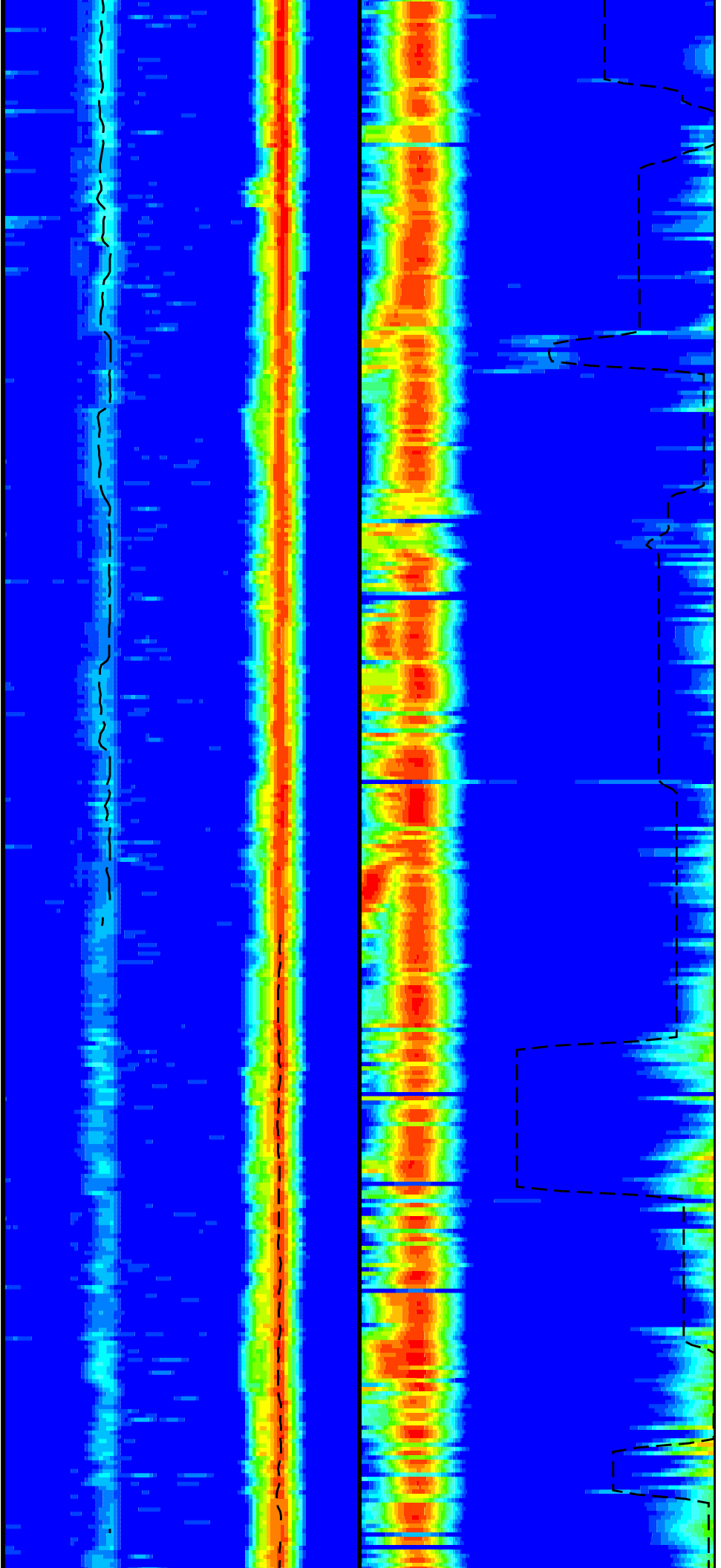
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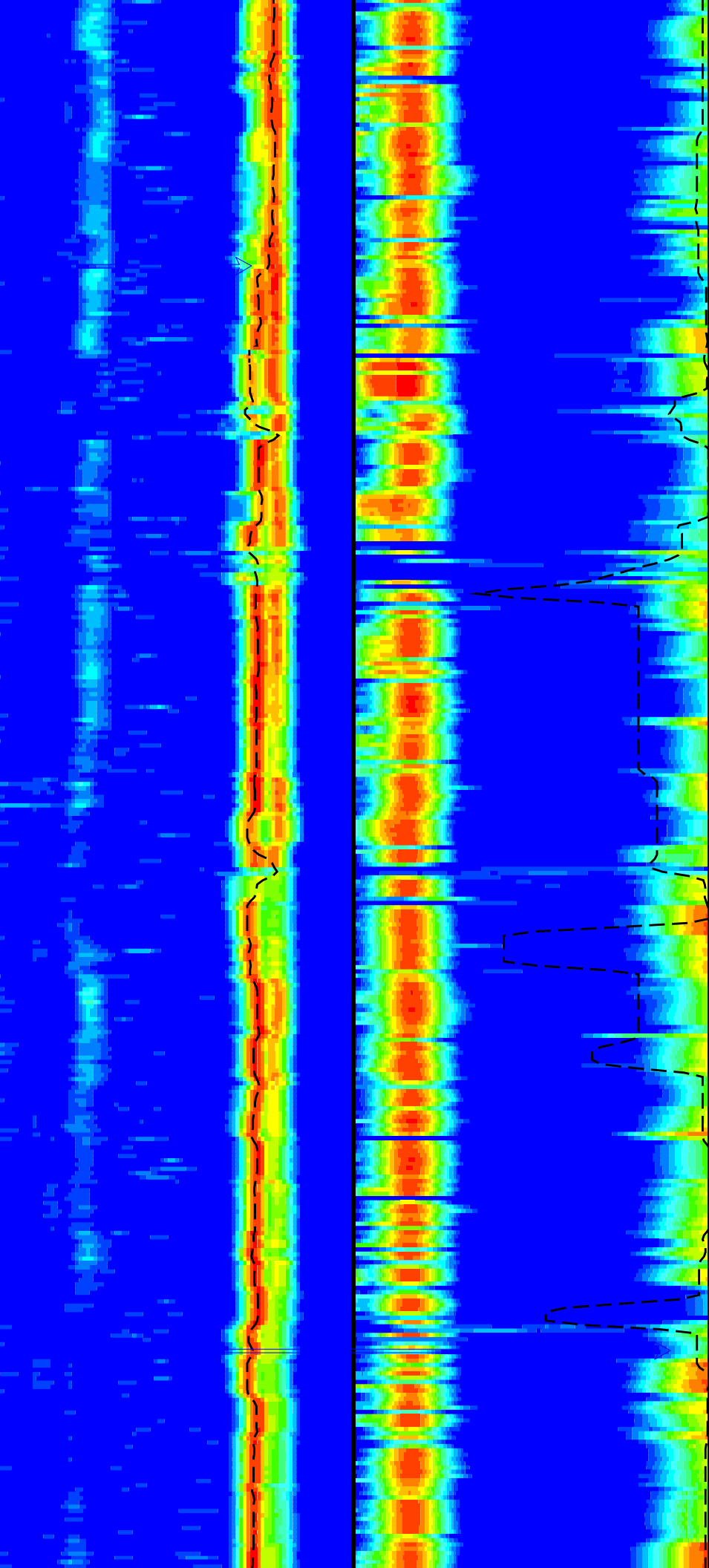
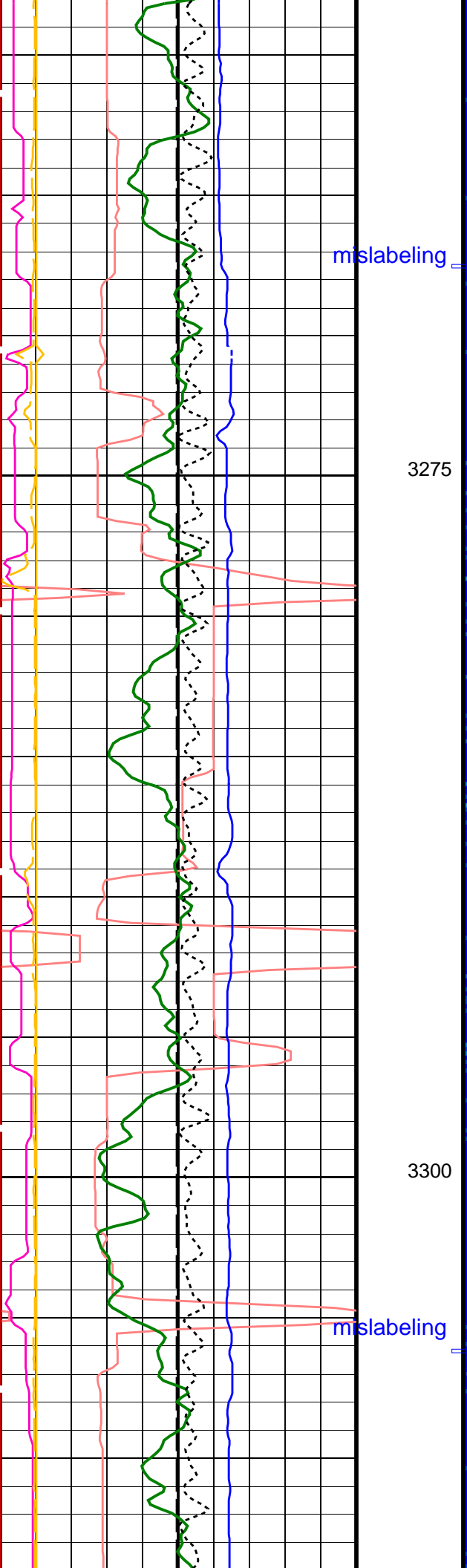


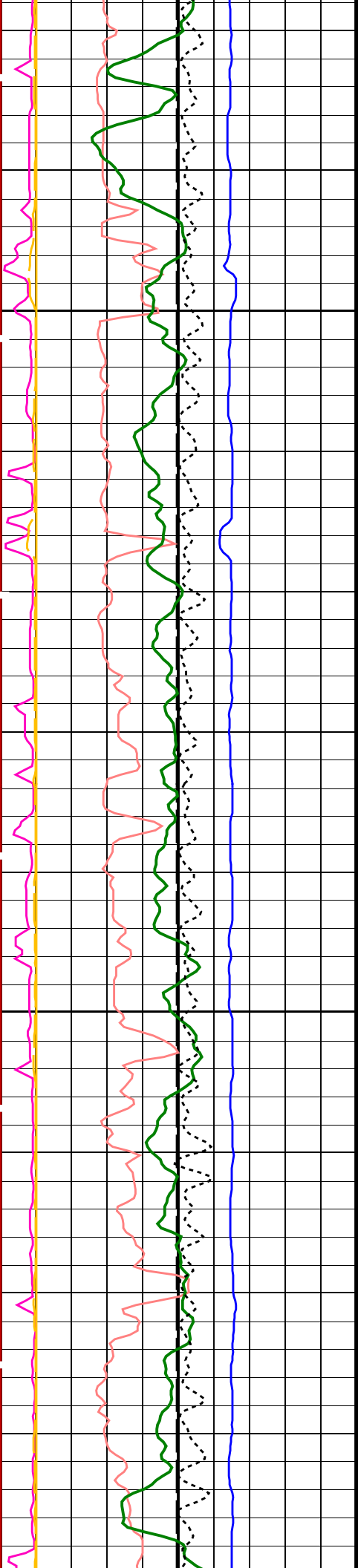


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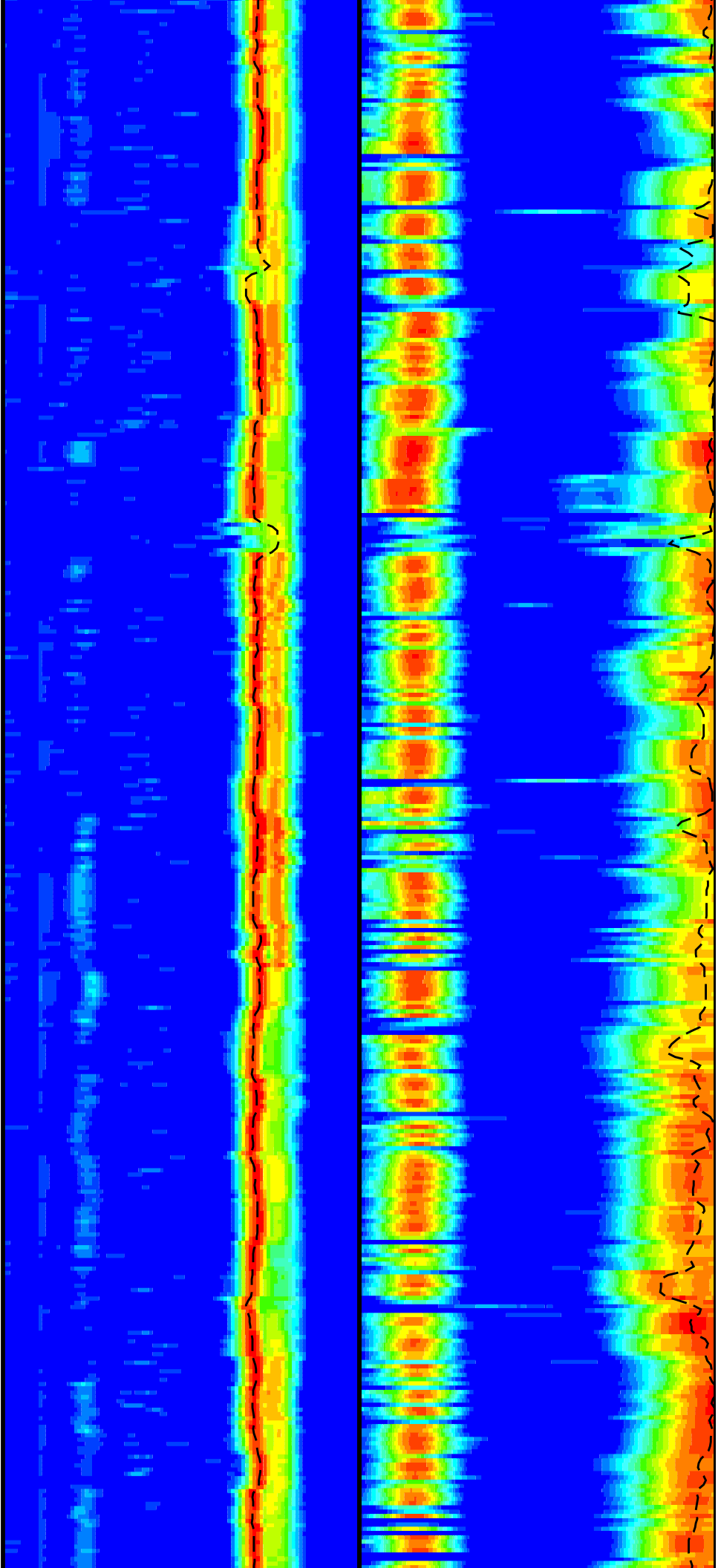


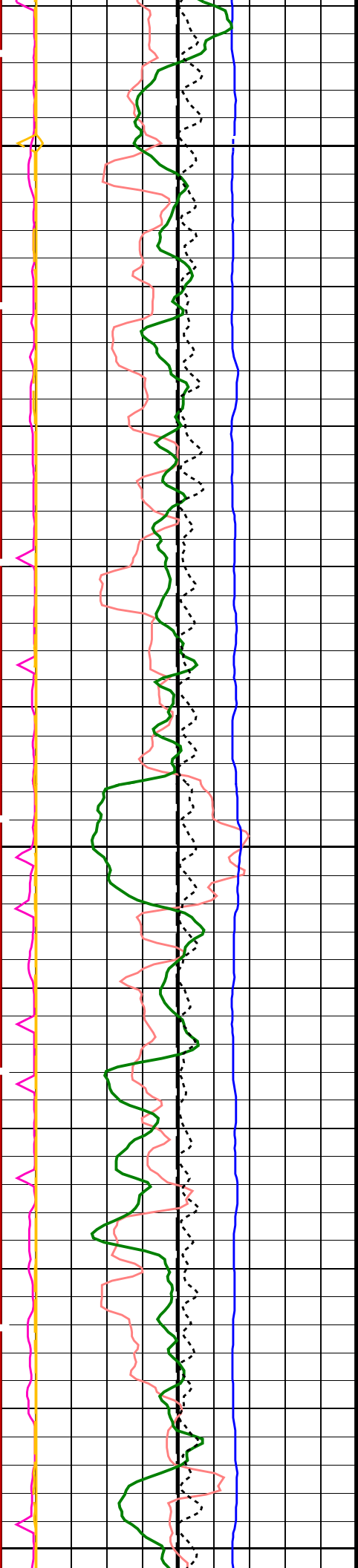




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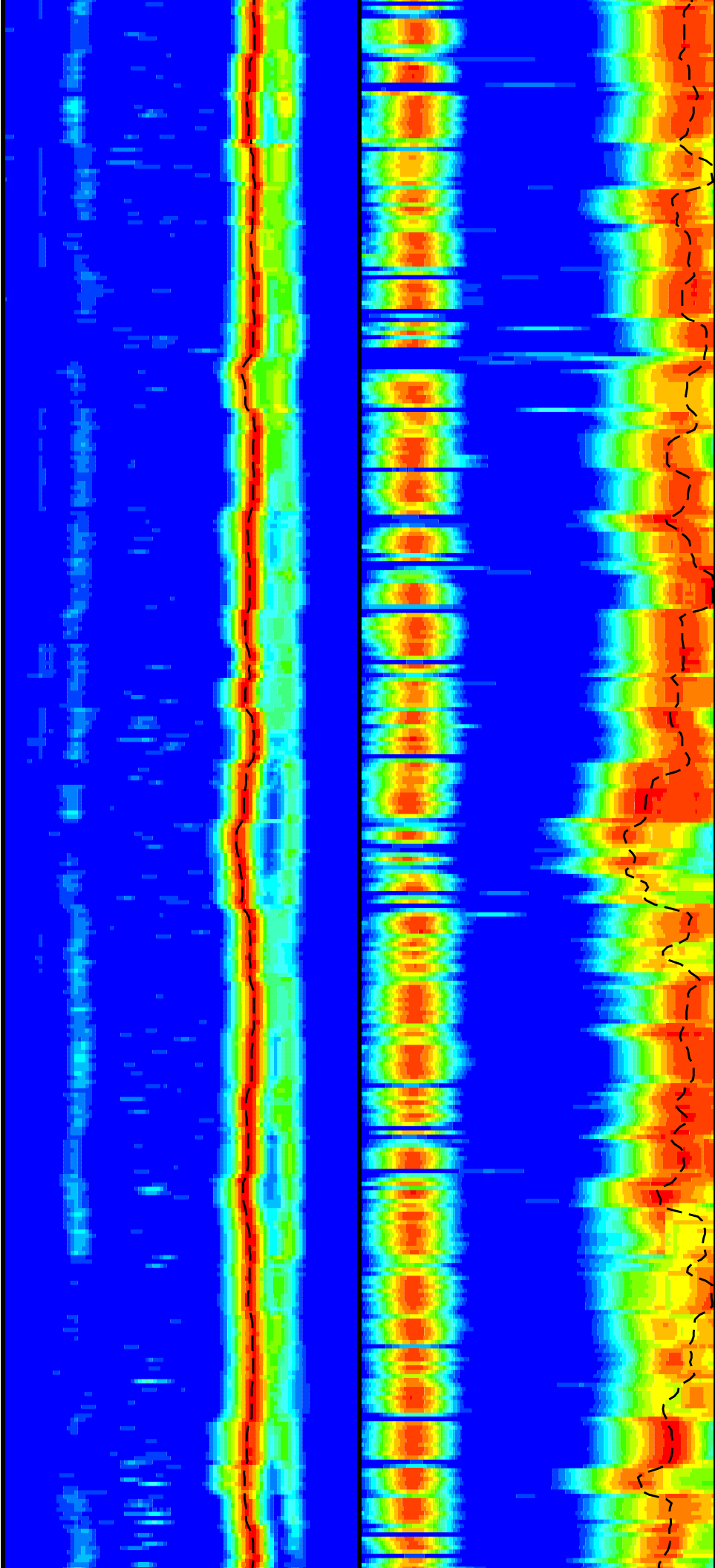


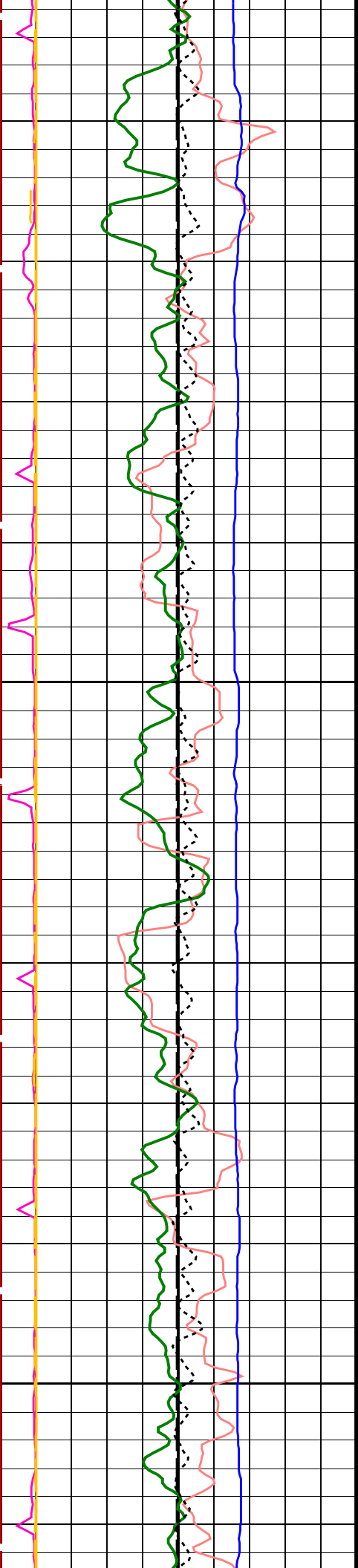


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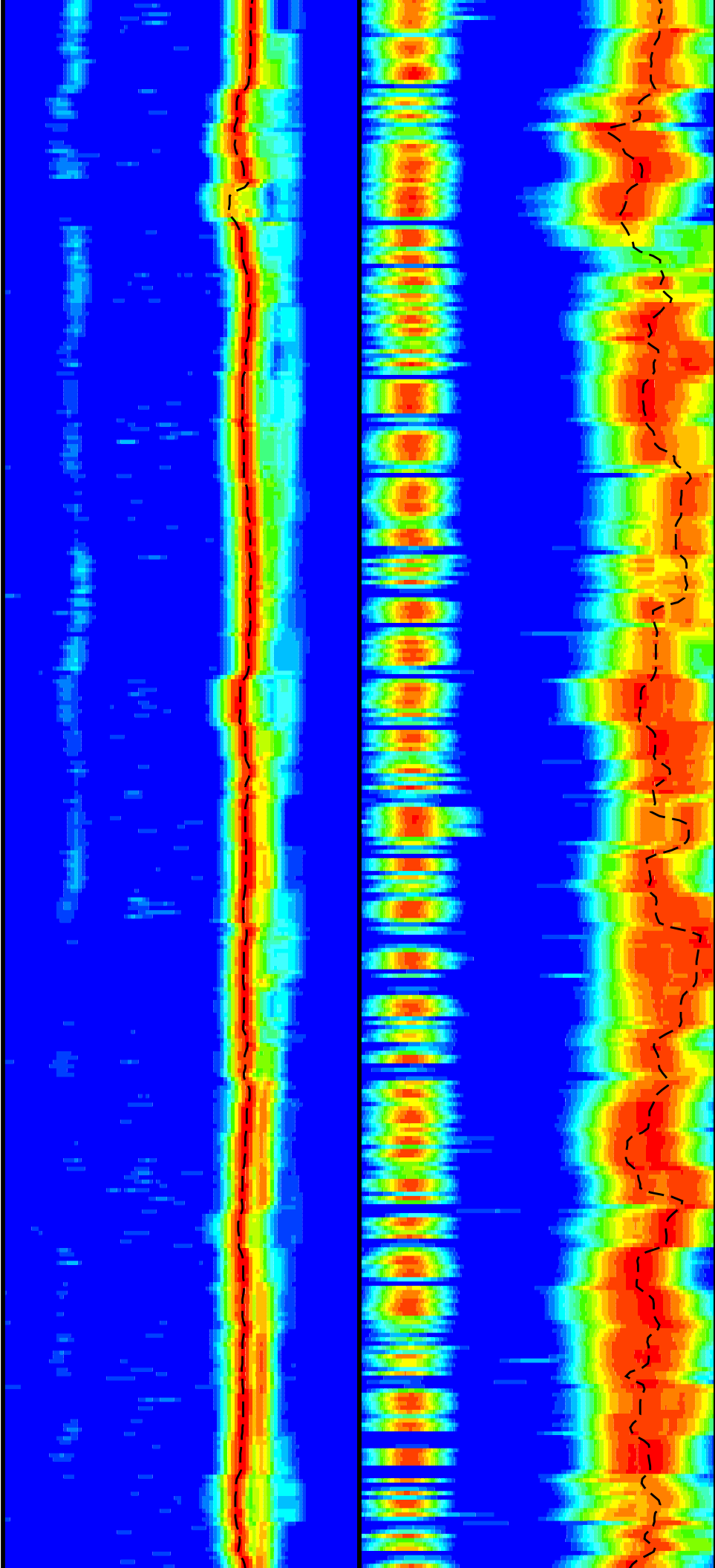
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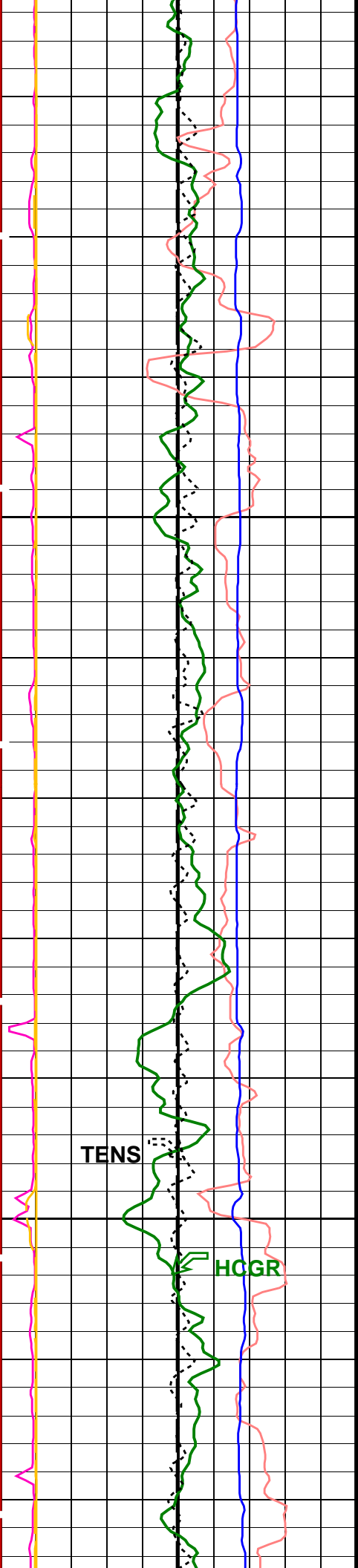




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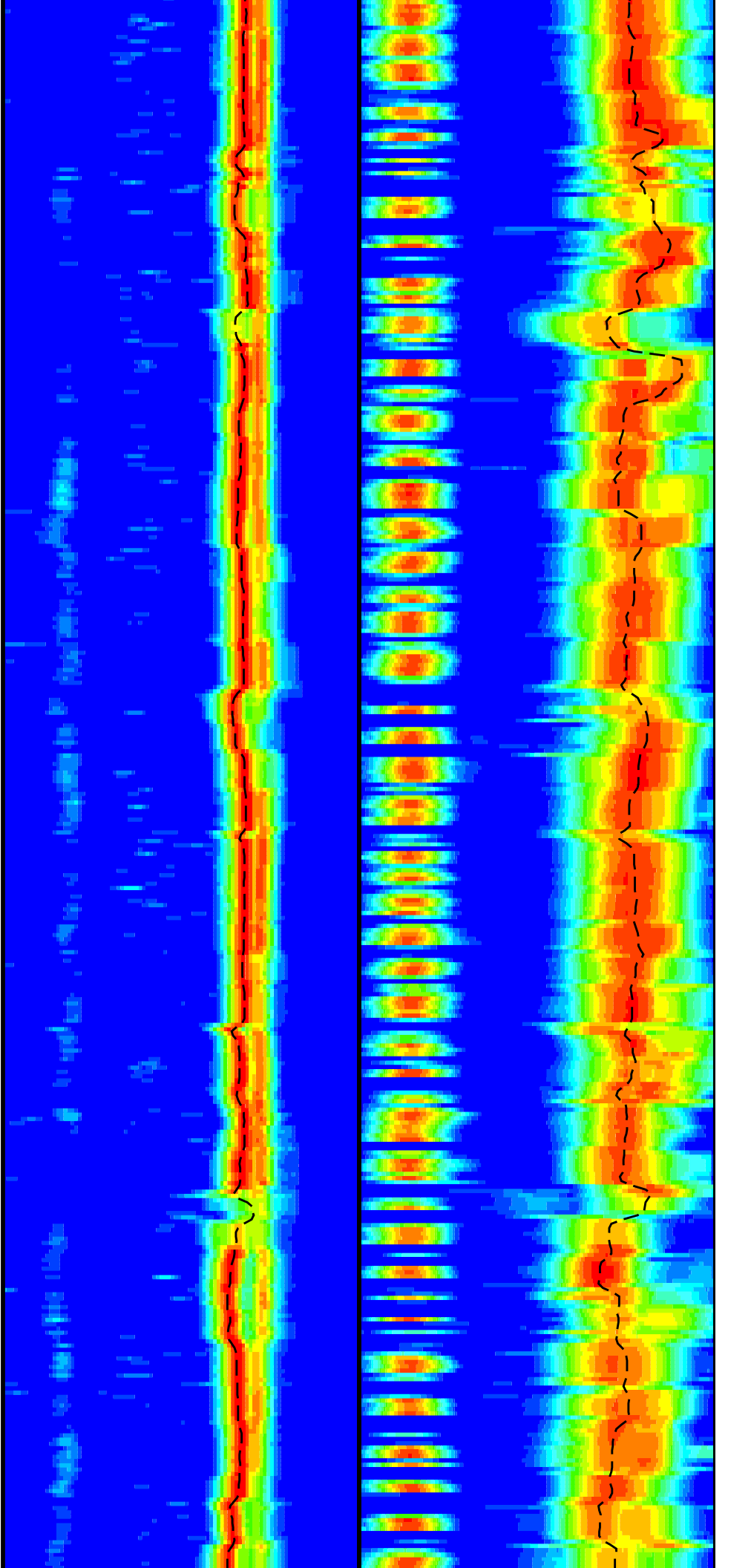
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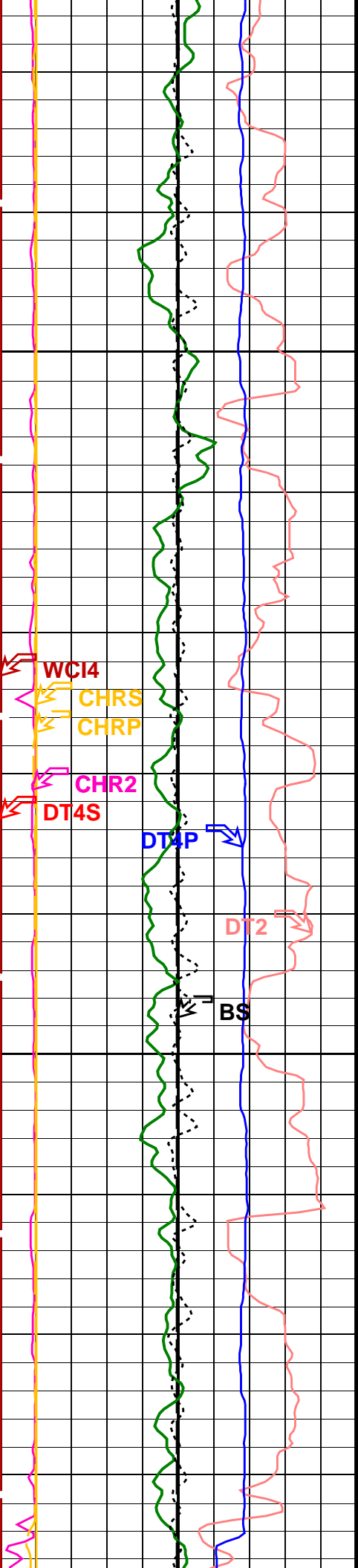




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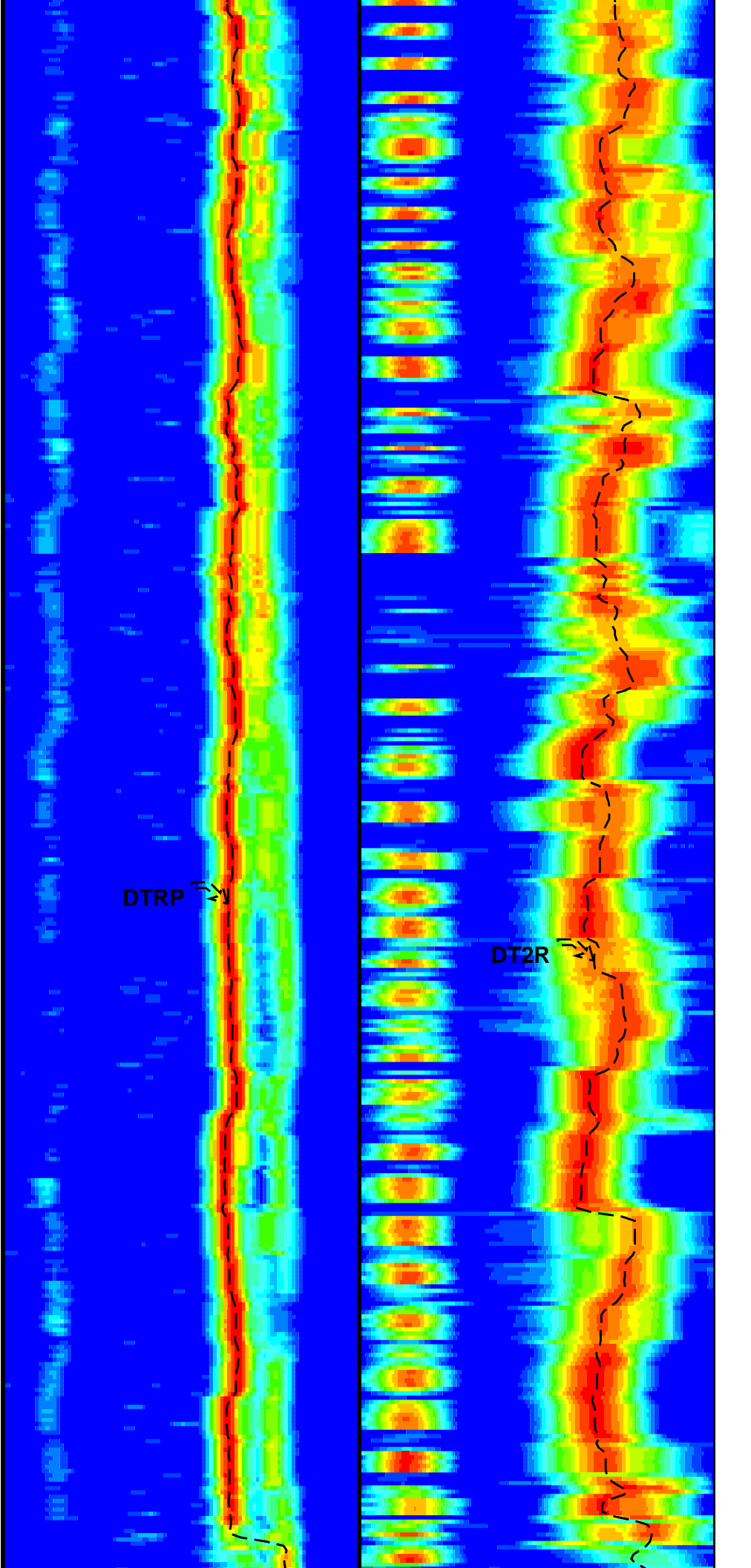
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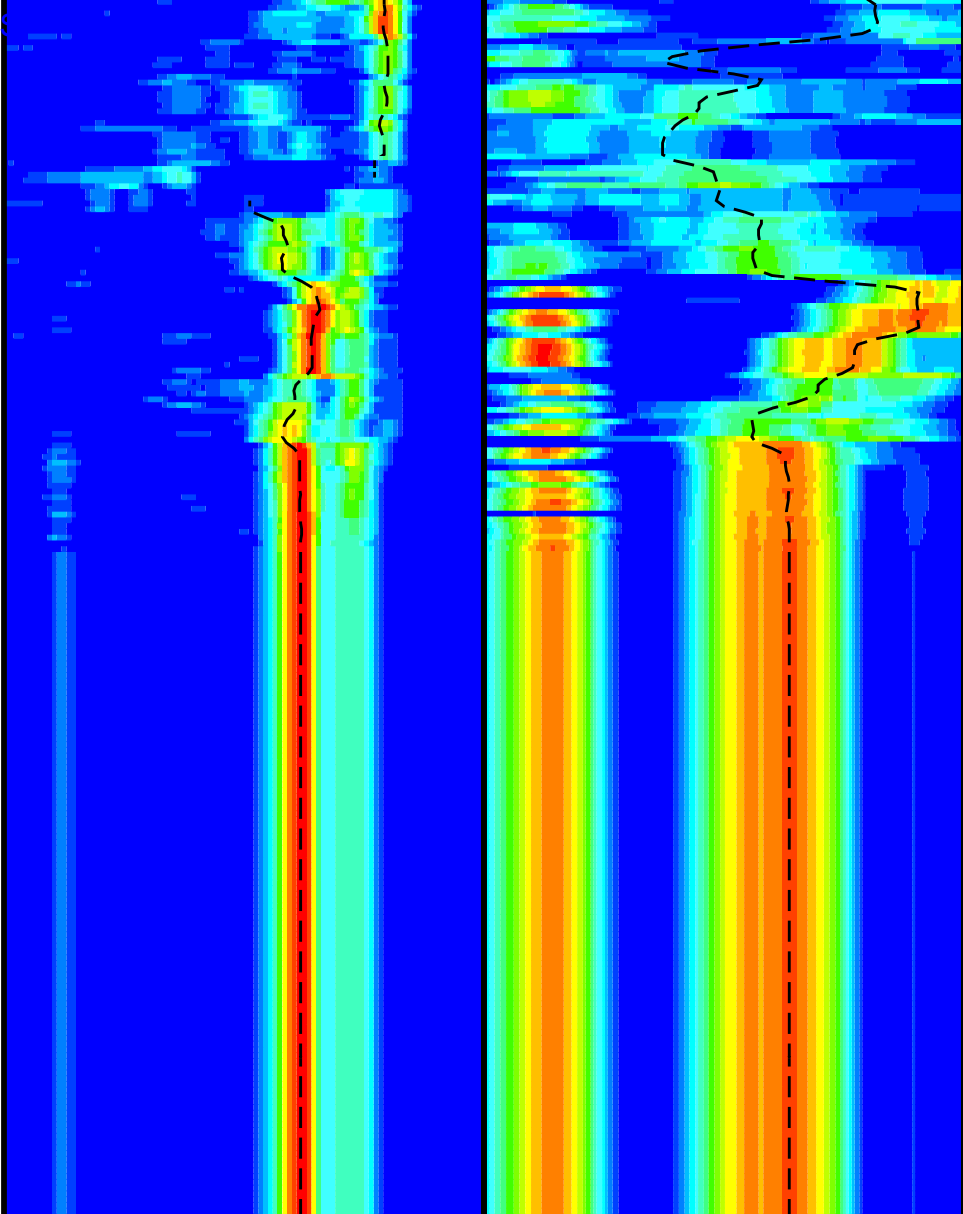
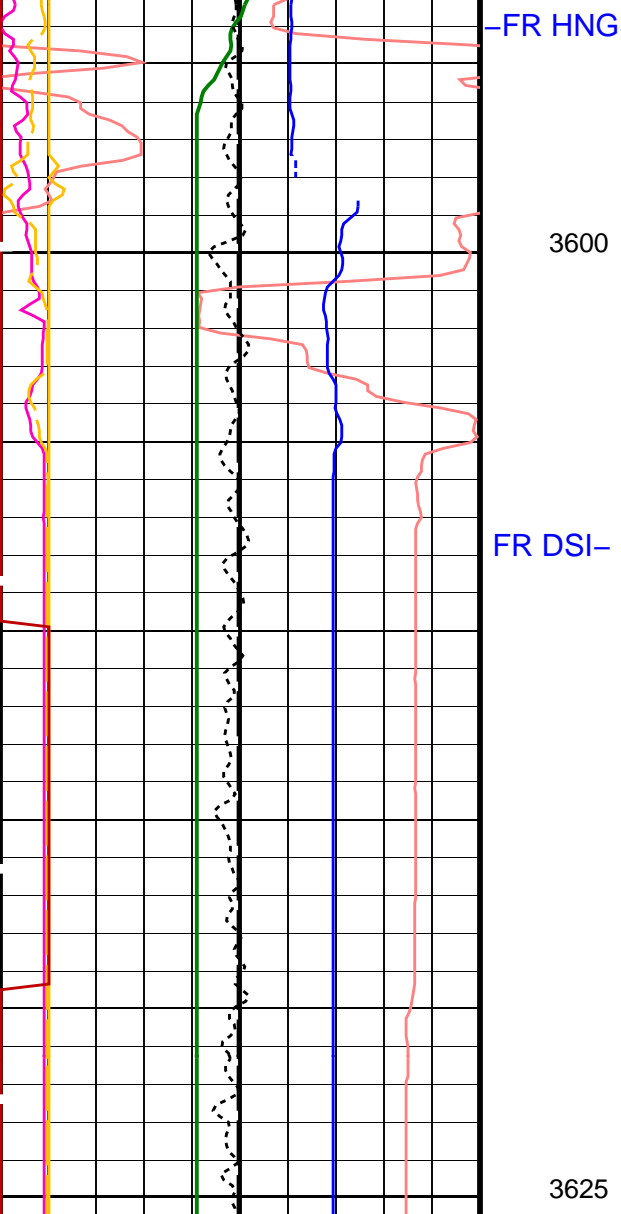
3550

3575



DTRP

DT2R



0	Bit Size (BS) (IN)	20
440	Delta-T Shear - Upper Dipole (DT2) (US/F)	40
440	Delta-T Comp - P & S (DT4P) (US/F)	40
440	Delta-T Shear - P & S (DT4S) (US/F)	40
10000	Tension (TENS) (LBF)	0
0	HNGS Computed Gamma Ray (HCGR) (GAPI)	100
0	Peak Coherence / RA - Upper Dipole (CHR2) (----)	10
0	Peak Coherence / RA - P & S Comp (CHRP) (----)	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

Min Amplitude Max

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

Uplong #3

Peak Coherence / RA – P & S Shear (CHRS)	(-----)	10
-1	(-----)	9
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)	(-----)	10
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	200	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	300	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	204.5	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	
GCSE	Generalized Caliper Selection	BS	
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 – High Frequency 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	75	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	120	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	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00199812	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990409	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.98694	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.22	G/C3

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2010 15:44

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Output DLIS Files

DEFAULT	FMS_DSI_NGS_019LUP	FN:30	PRODUCER	23-Feb-2010 15:43
BACKUP	FMS_DSI_NGS_019LUP	FN:31	PRODUCER	23-Feb-2010 17:43

Company: Lamont Doherty Well: Expedition 318 Site U1359D

Output DLIS Files

DEFAULT	FMS_DSI_NGS_017LUP	FN:26	PRODUCER	23-Feb-2010 14:02	3625.6 M	3125.7 M
BACKUP	FMS_DSI_NGS_017LUP	FN:27	PRODUCER	23-Feb-2010 16:02	3625.6 M	3125.7 M

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

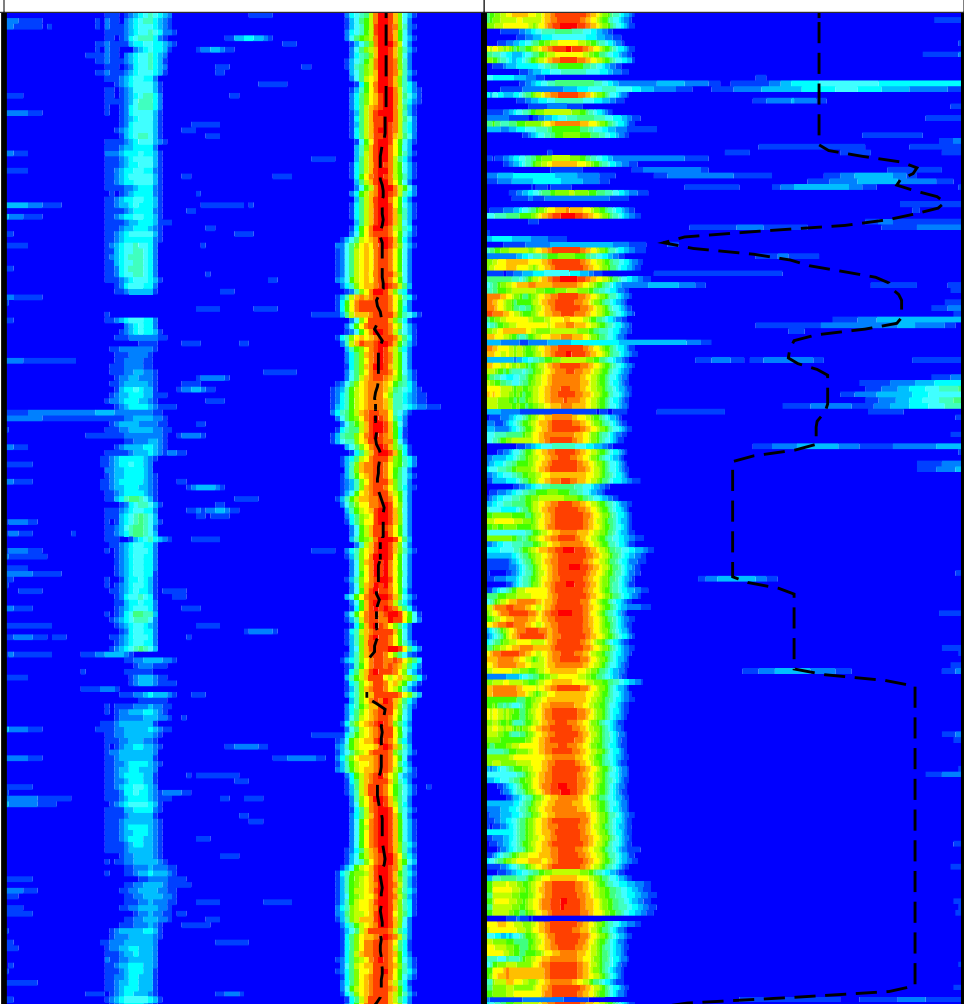
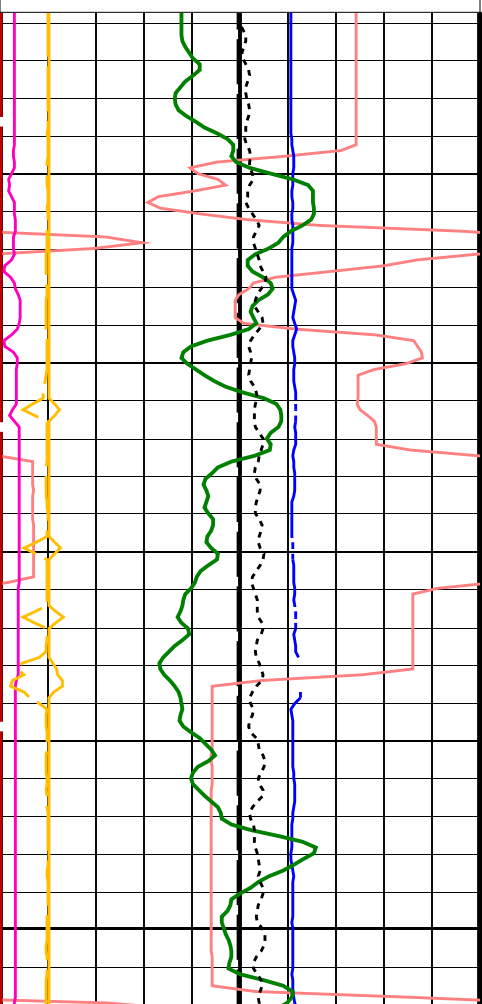
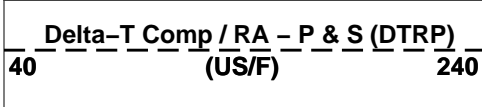
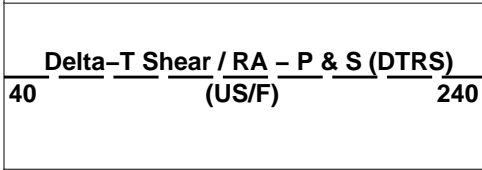
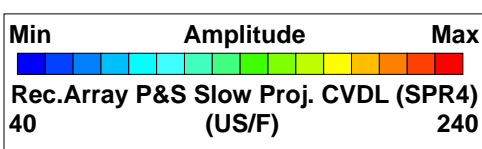
PIP SUMMARY

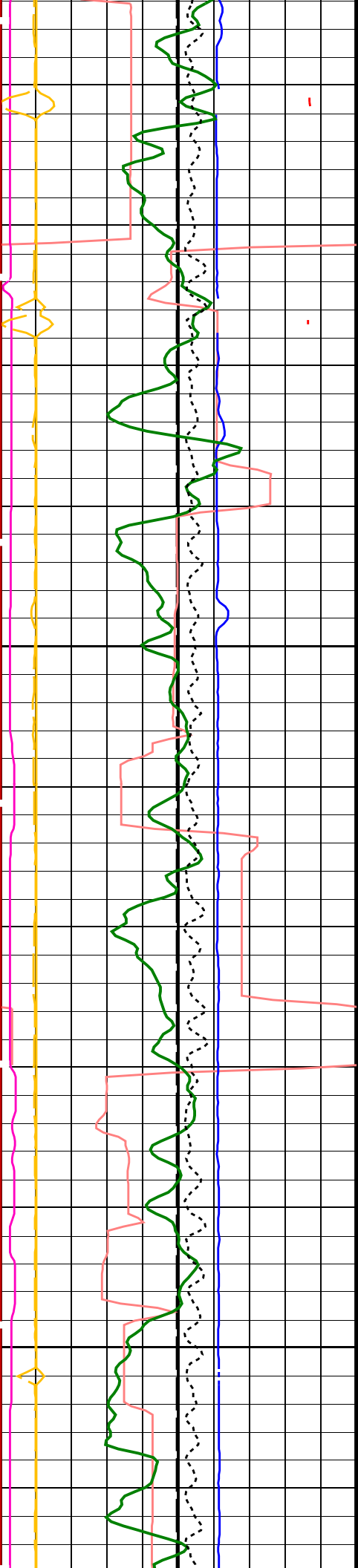
Time Mark Every 60 S

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
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	100
Tension (TENS)		
10000	(LBF)	0
Delta-T Shear - P & S (DT4S)		
440	(US/F)	40
Delta-T Comp - P & S (DT4P)		
440	(US/F)	40
Delta-T Shear - Upper Dipole (DT2)		
440	(US/F)	40
Bit Size (BS)		
0	(IN)	20

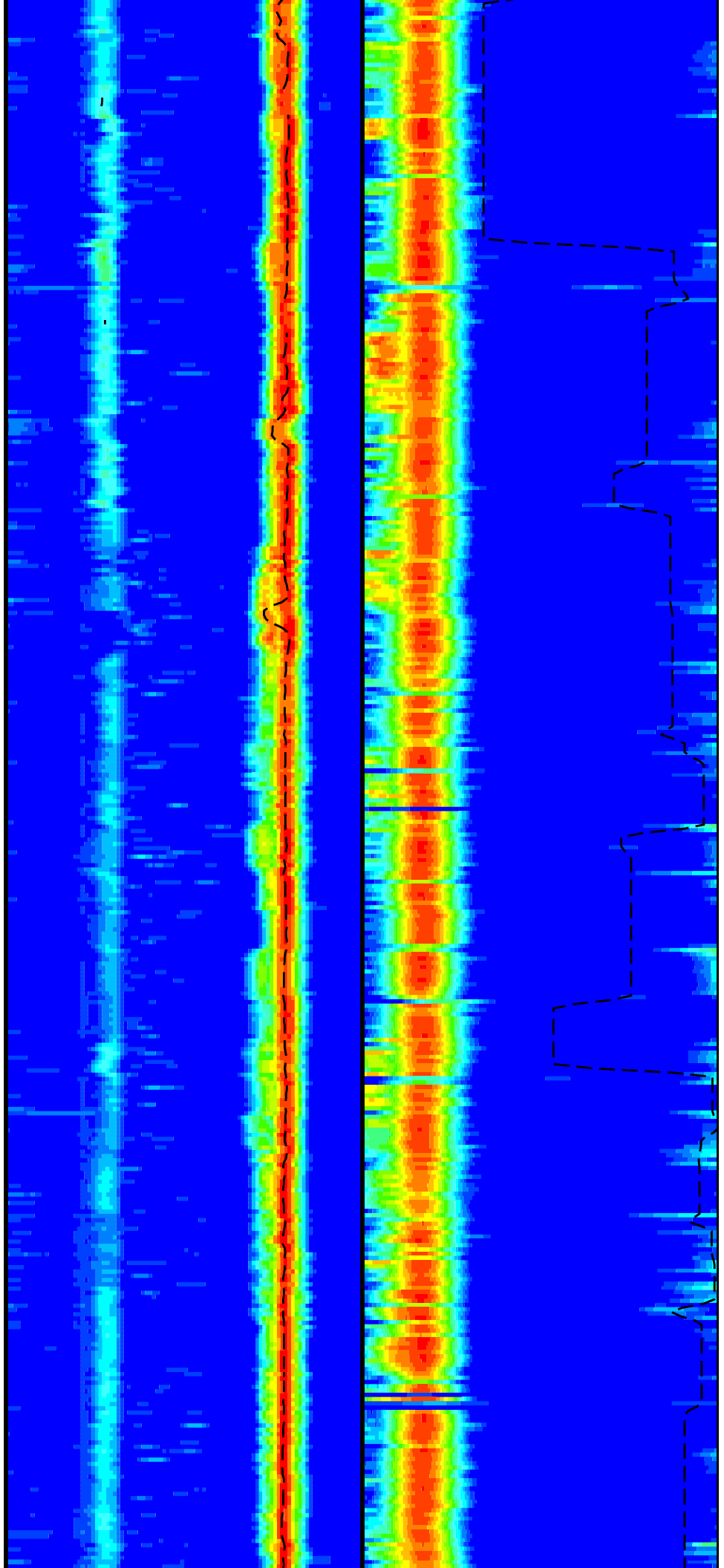
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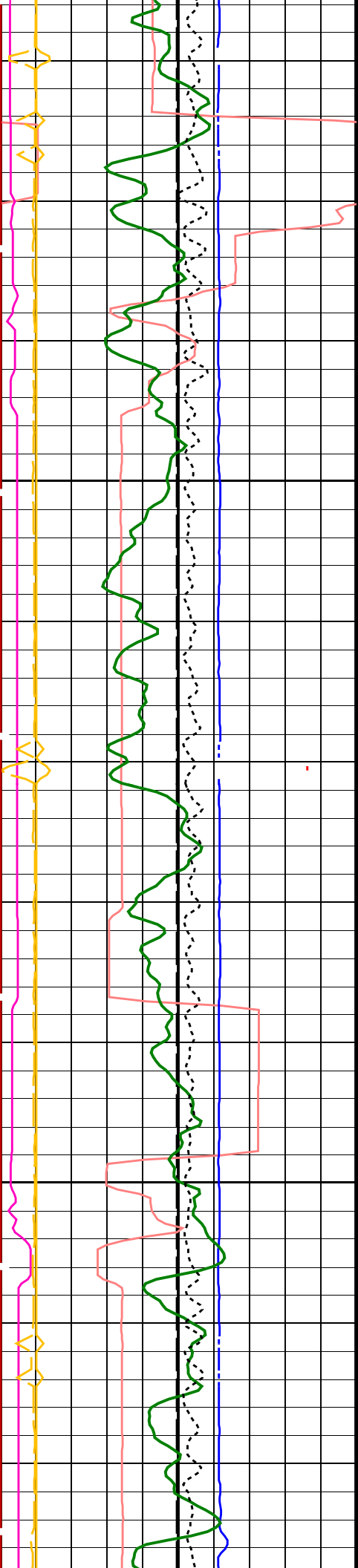




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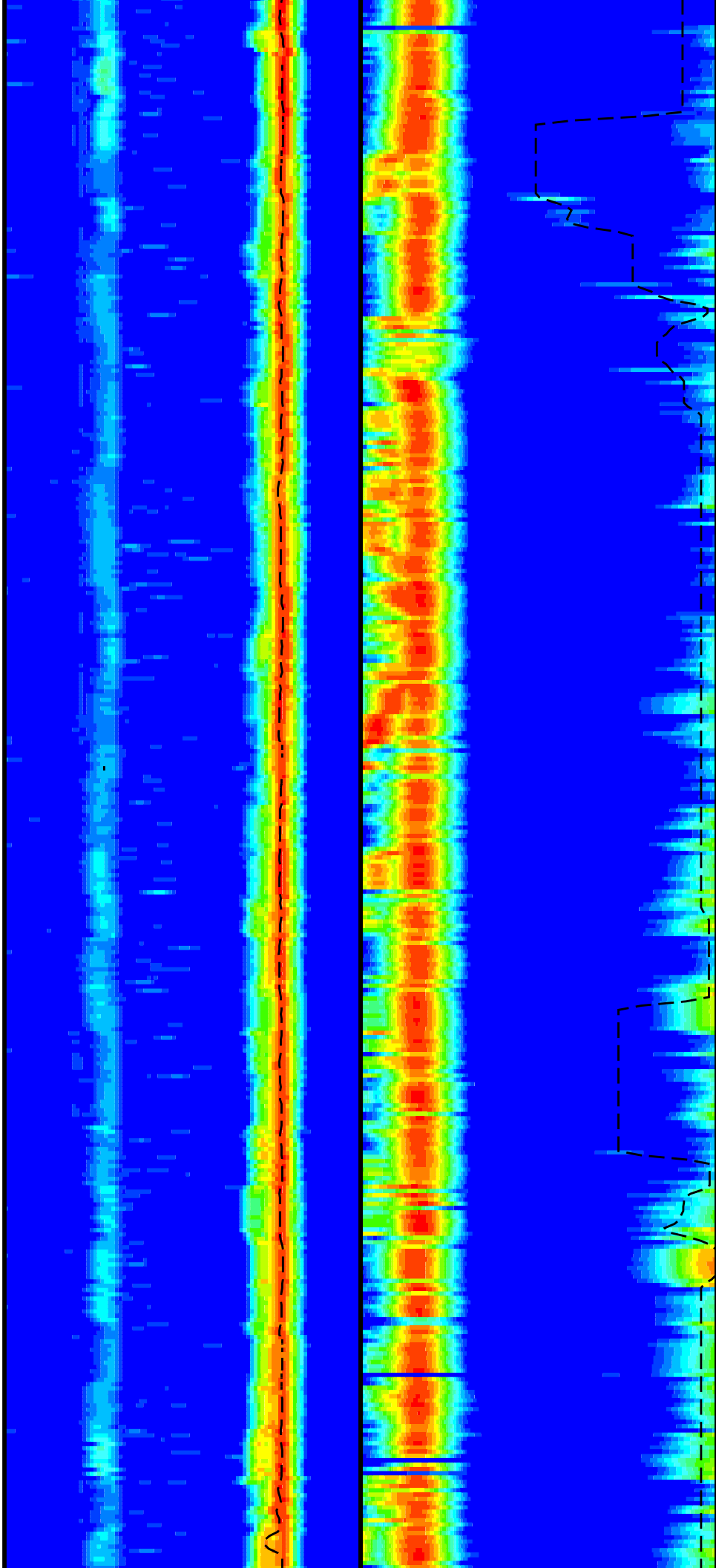
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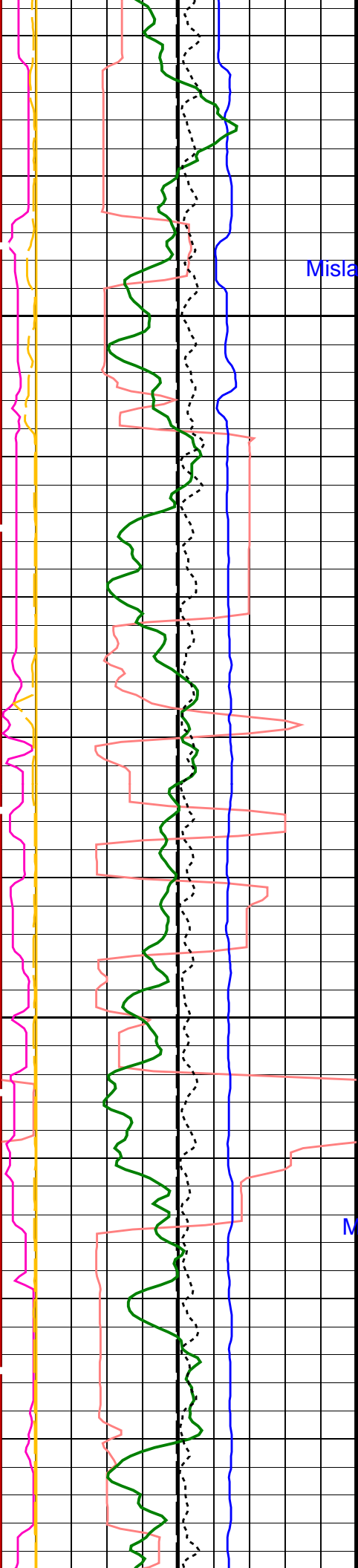




3225

3250



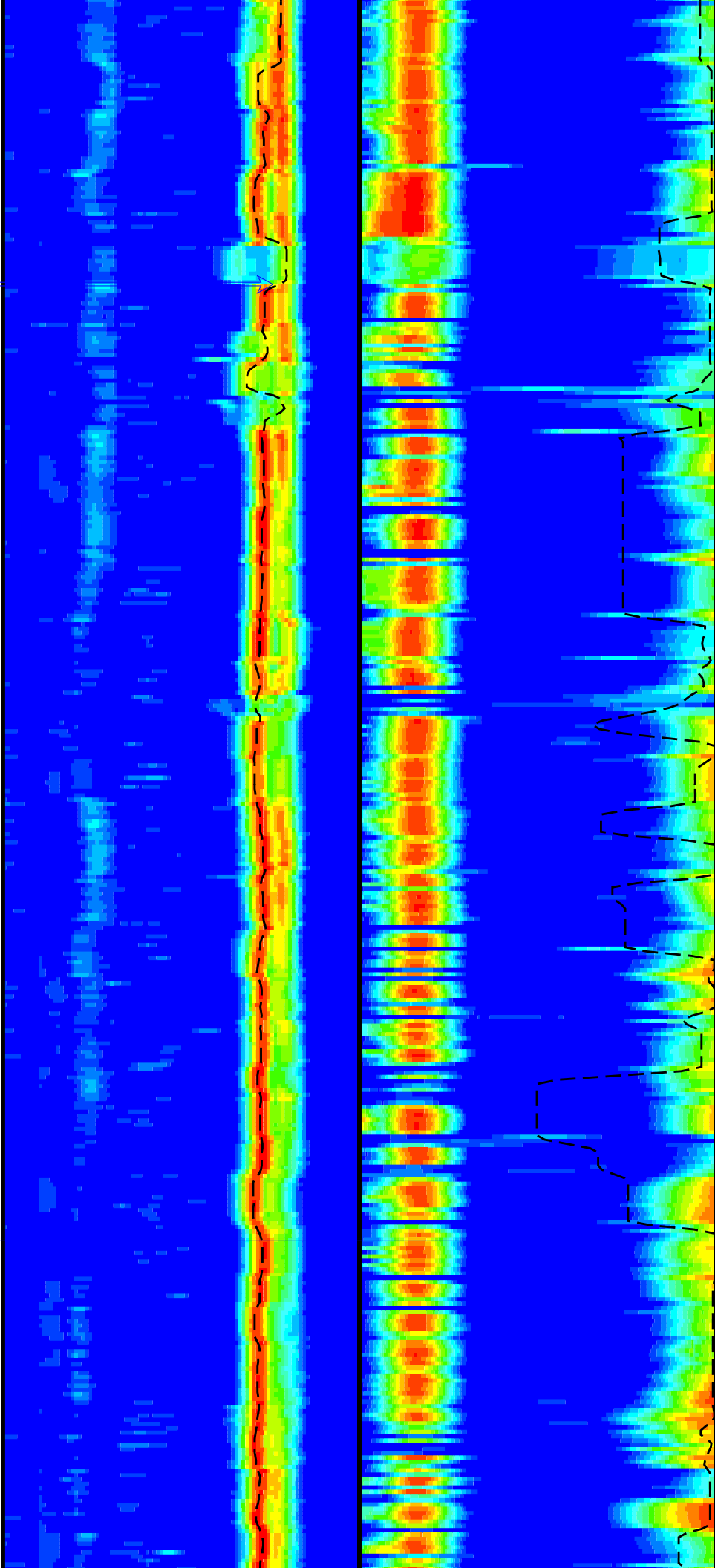


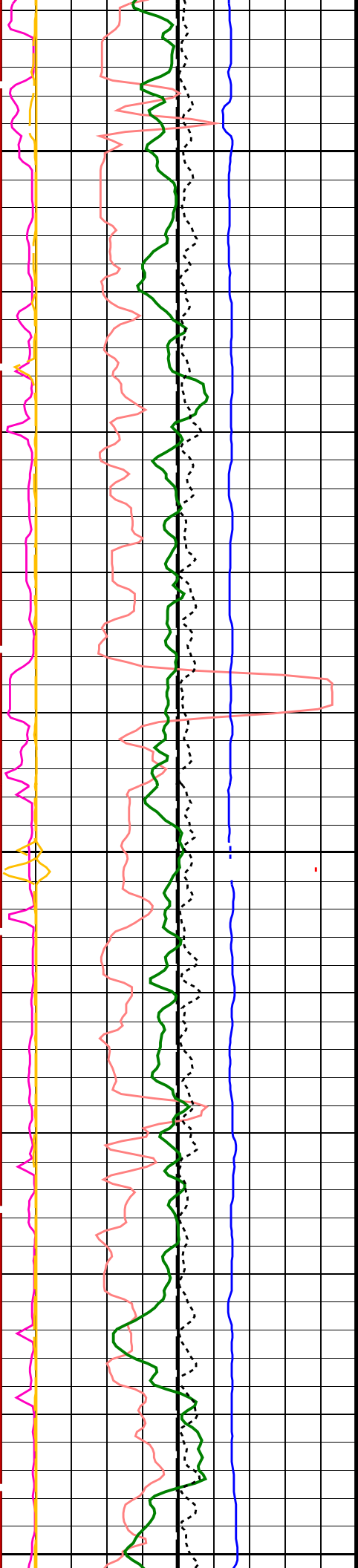
Mislabeling

3275

3300

Mislabeling

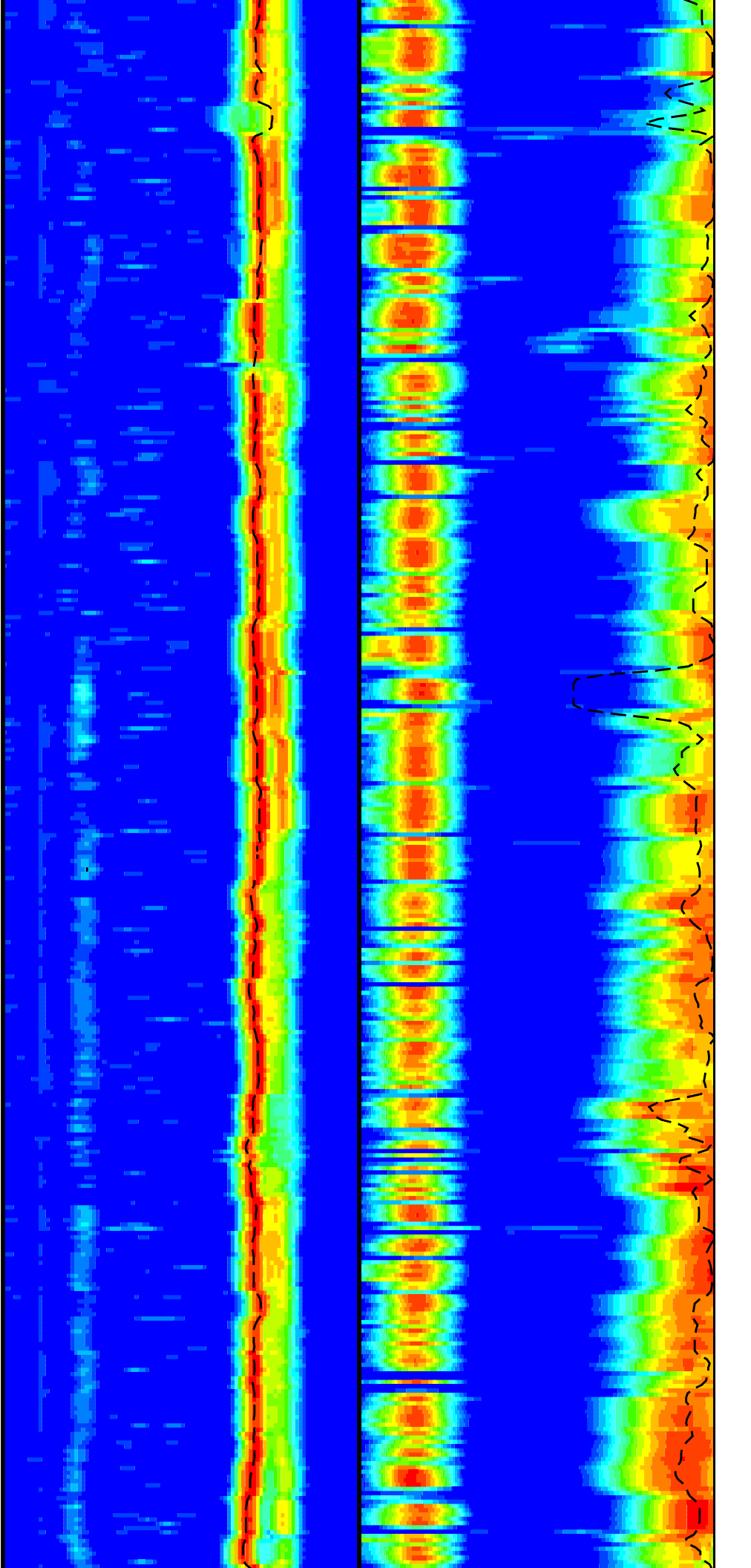


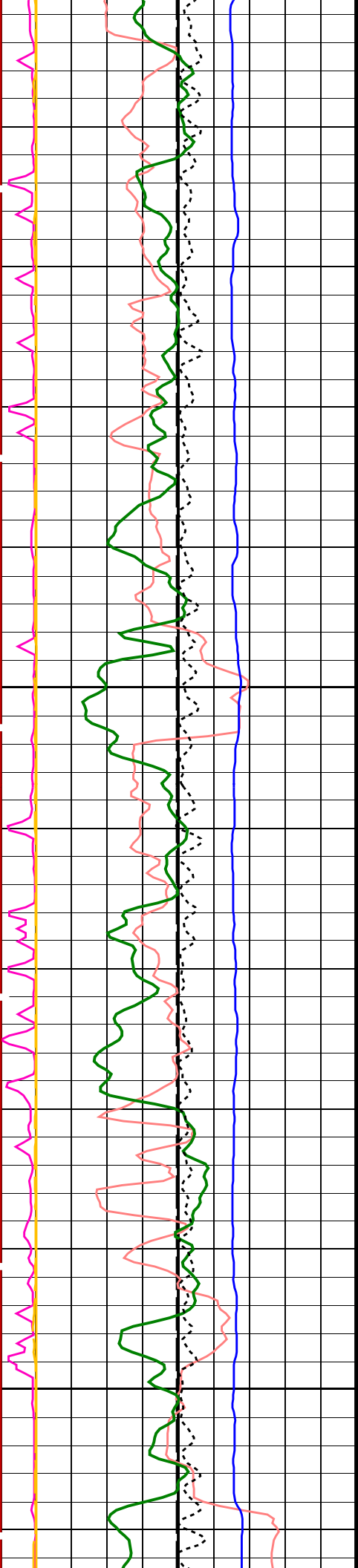


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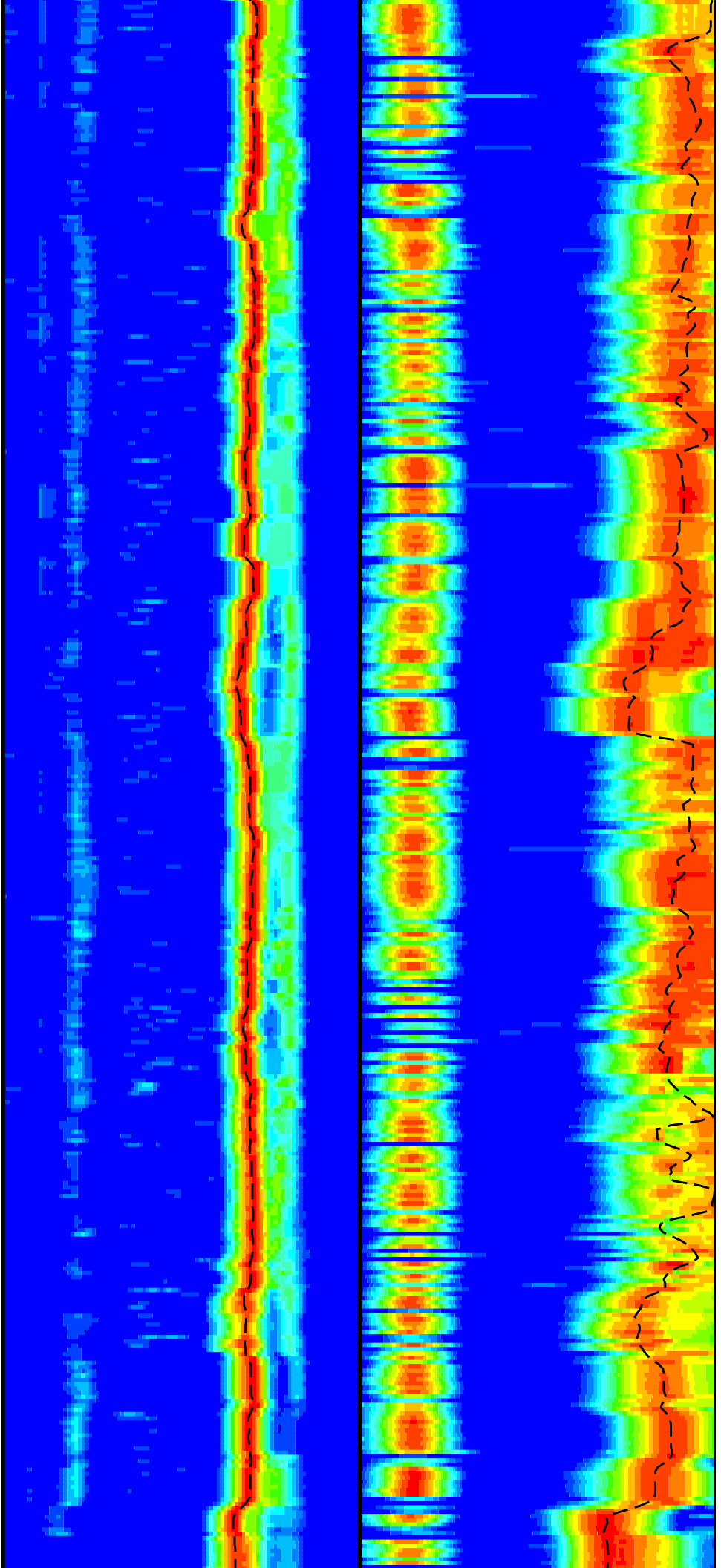
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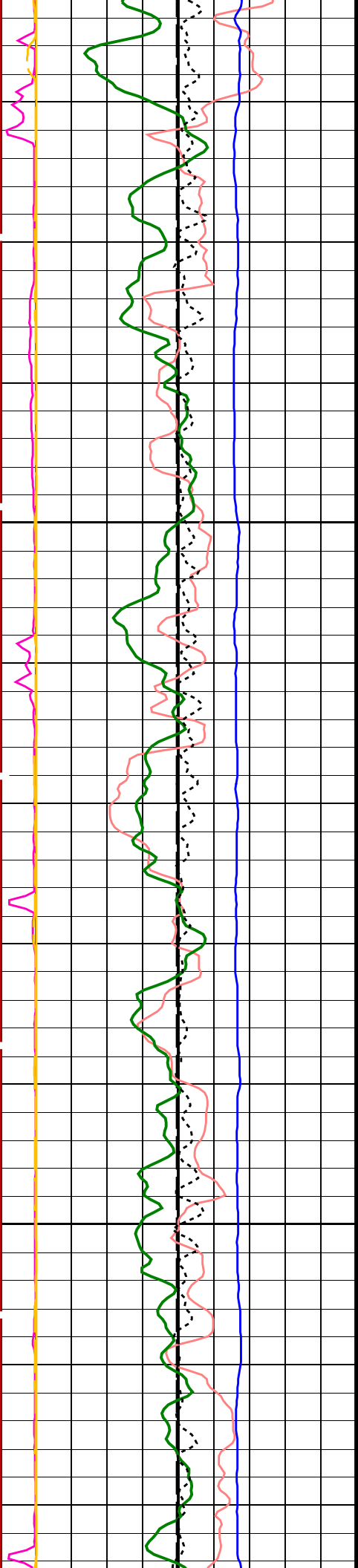




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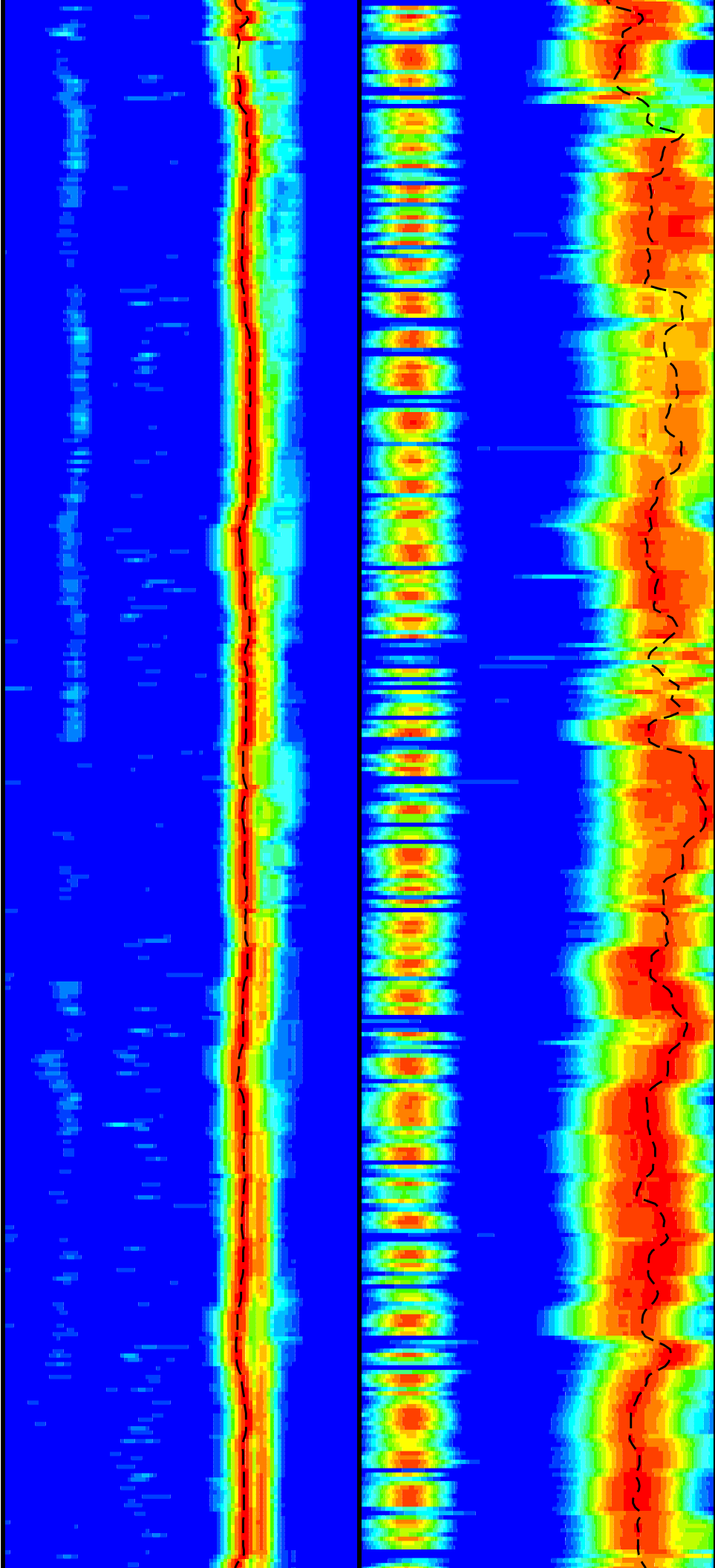
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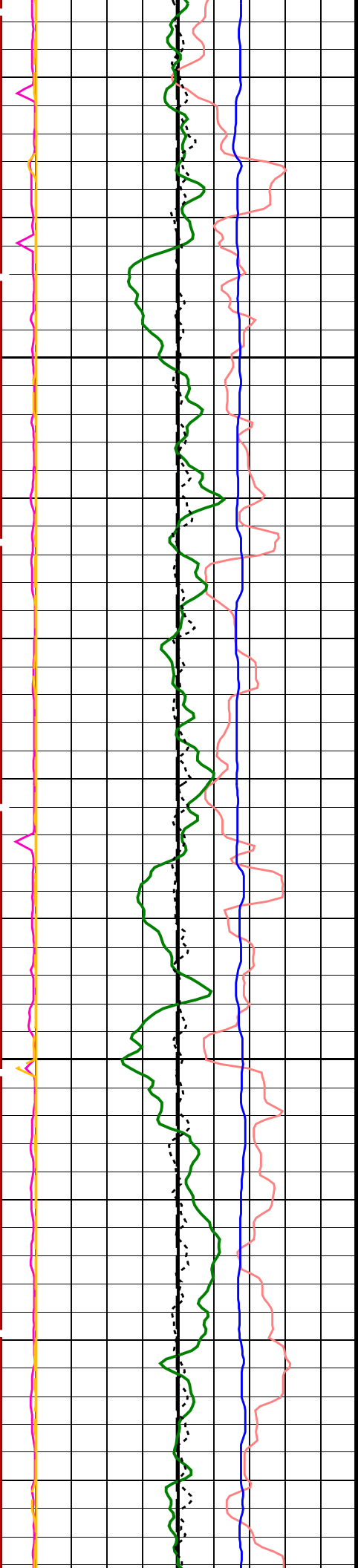




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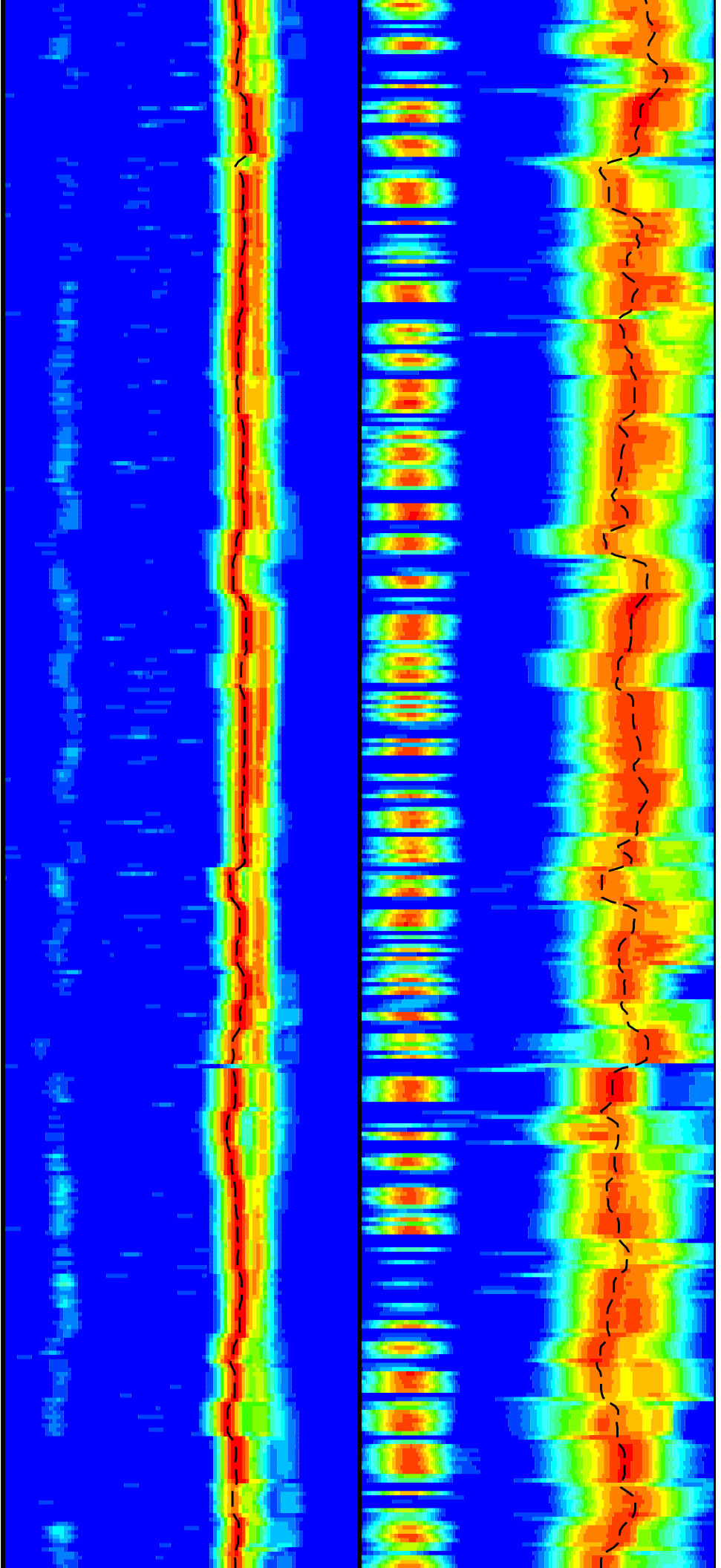
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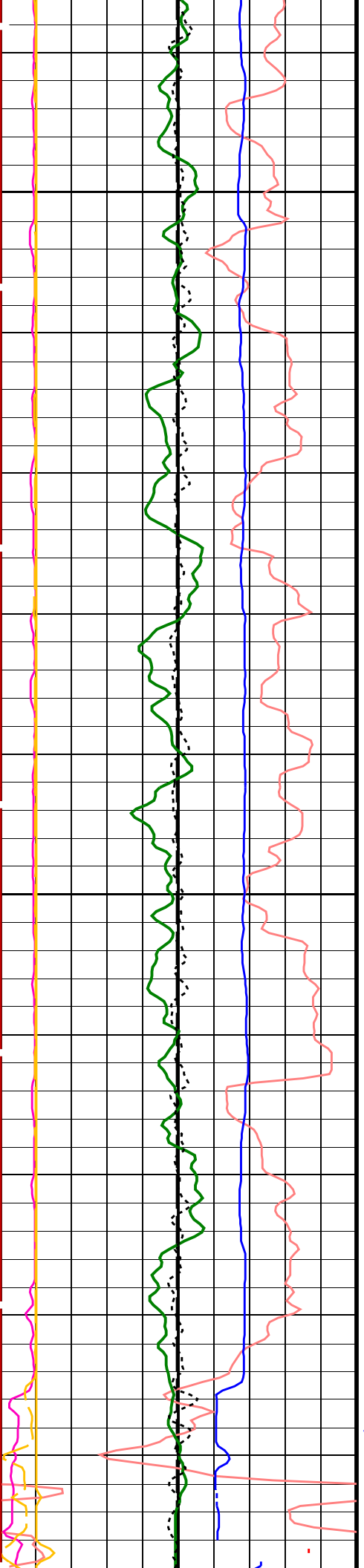




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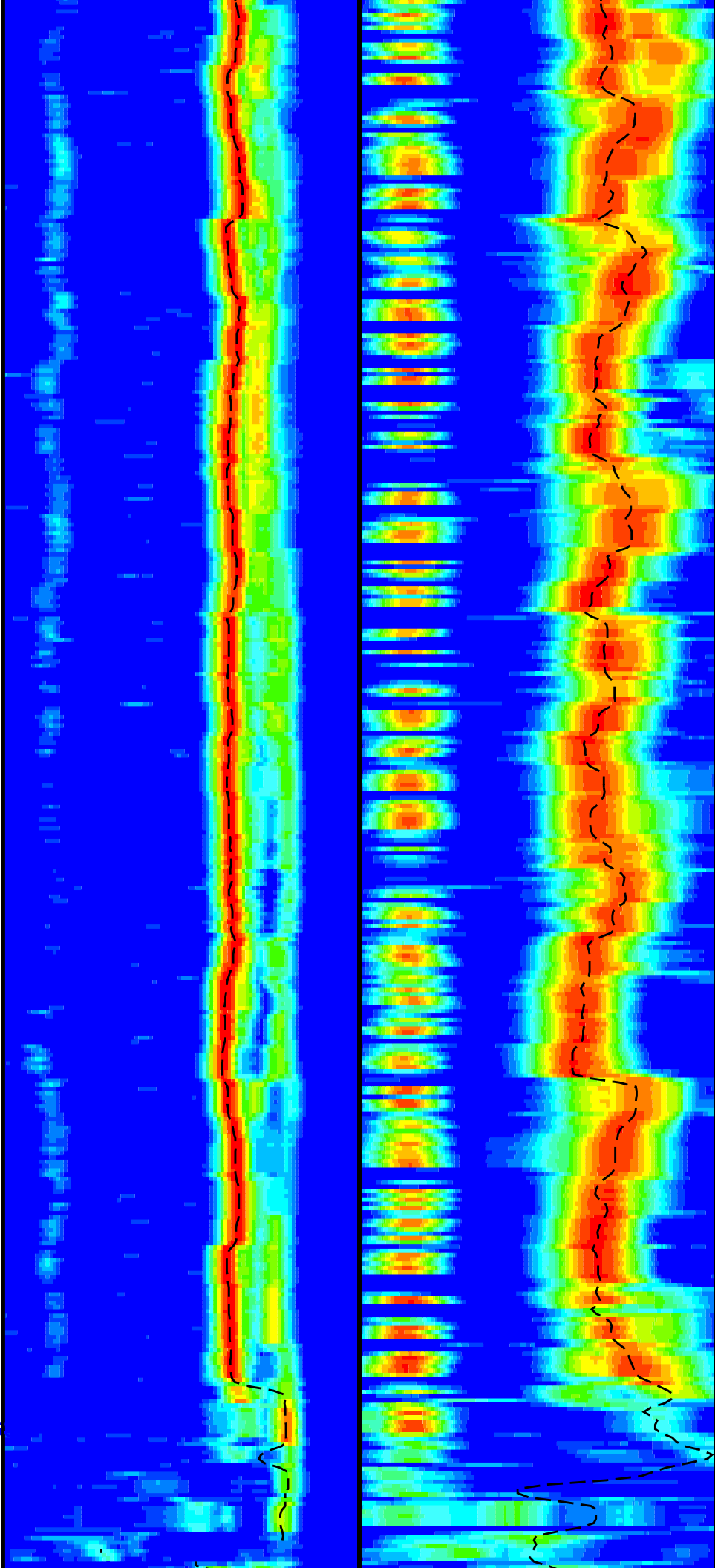


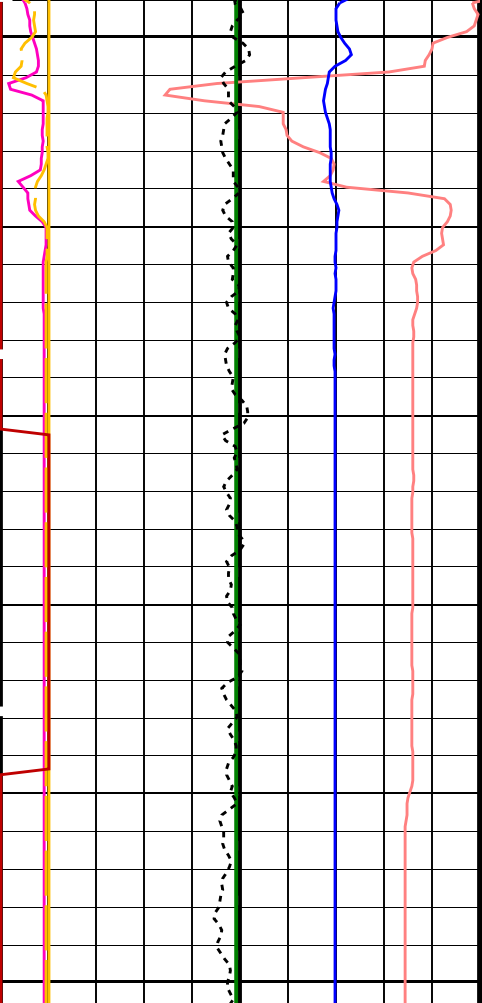


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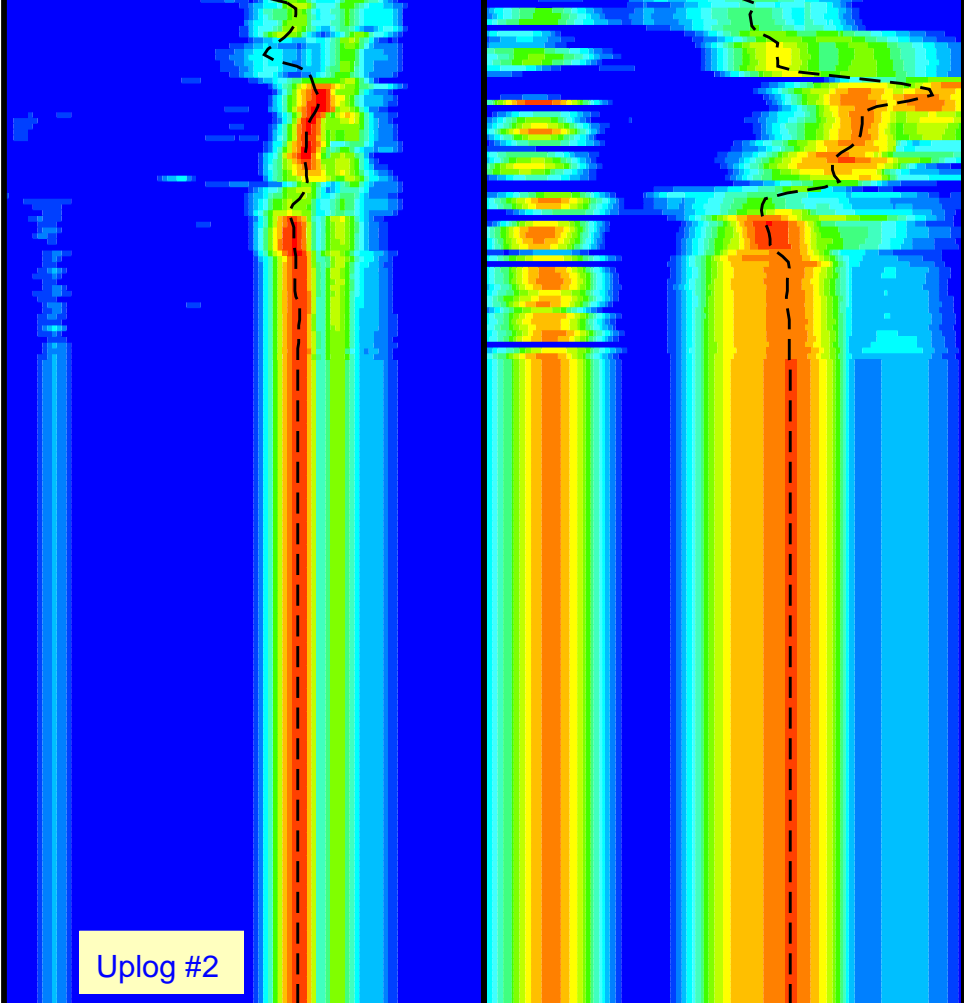
-FR HNG





FR DSI-

3625
-TD-



Bit Size (BS)
(IN) 0 20

Delta-T Shear - Upper Dipole (DT2)
(US/F) 440 40

Delta-T Comp - P & S (DT4P)
(US/F) 440 40

Delta-T Shear - P & S (DT4S)
(US/F) 440 40

Tension (TENS)
(LBF) 10000 0

HNGS Computed Gamma Ray (HCGR)
(GAPI) 0 100

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)

Delta-T Comp / RA - P & S (DTRP)
(US/F) 40 240

Delta-T Shear / RA - P & S (DTRS)
(US/F) 40 240

Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
(US/F) 40 240

Delta-T Shear / RA - Upper Dipole
(DT2R)
(US/F) 75 775

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

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	200 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	300 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 DTCS Channel	PS_COMP
DTF	Delta-T Fluid	204.5 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
GCSE	Generalized Caliper Selection	BS
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 - High Frequency 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	75 US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	120 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

TUL2	STC Time Upper Limit - Upper Dipole	13325	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	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00199812	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990409	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.98694	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.22	G/C3

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2010 14:02

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Output DLIS Files

DEFAULT	FMS_DSI_NGS_017LUP	FN:26	PRODUCER	23-Feb-2010 14:02
BACKUP	FMS_DSI_NGS_017LUP	FN:27	PRODUCER	23-Feb-2010 16:02

Company: Lamont Doherty Well: Expedition 318 Site U1359D

Output DLIS Files

DEFAULT	FMS_DSI_NGS_016LUP	FN:24	PRODUCER	23-Feb-2010 12:38	3627.9 M	3125.4 M
BACKUP	FMS_DSI_NGS_016LUP	FN:25	PRODUCER	23-Feb-2010 14:38	3627.9 M	3125.4 M

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

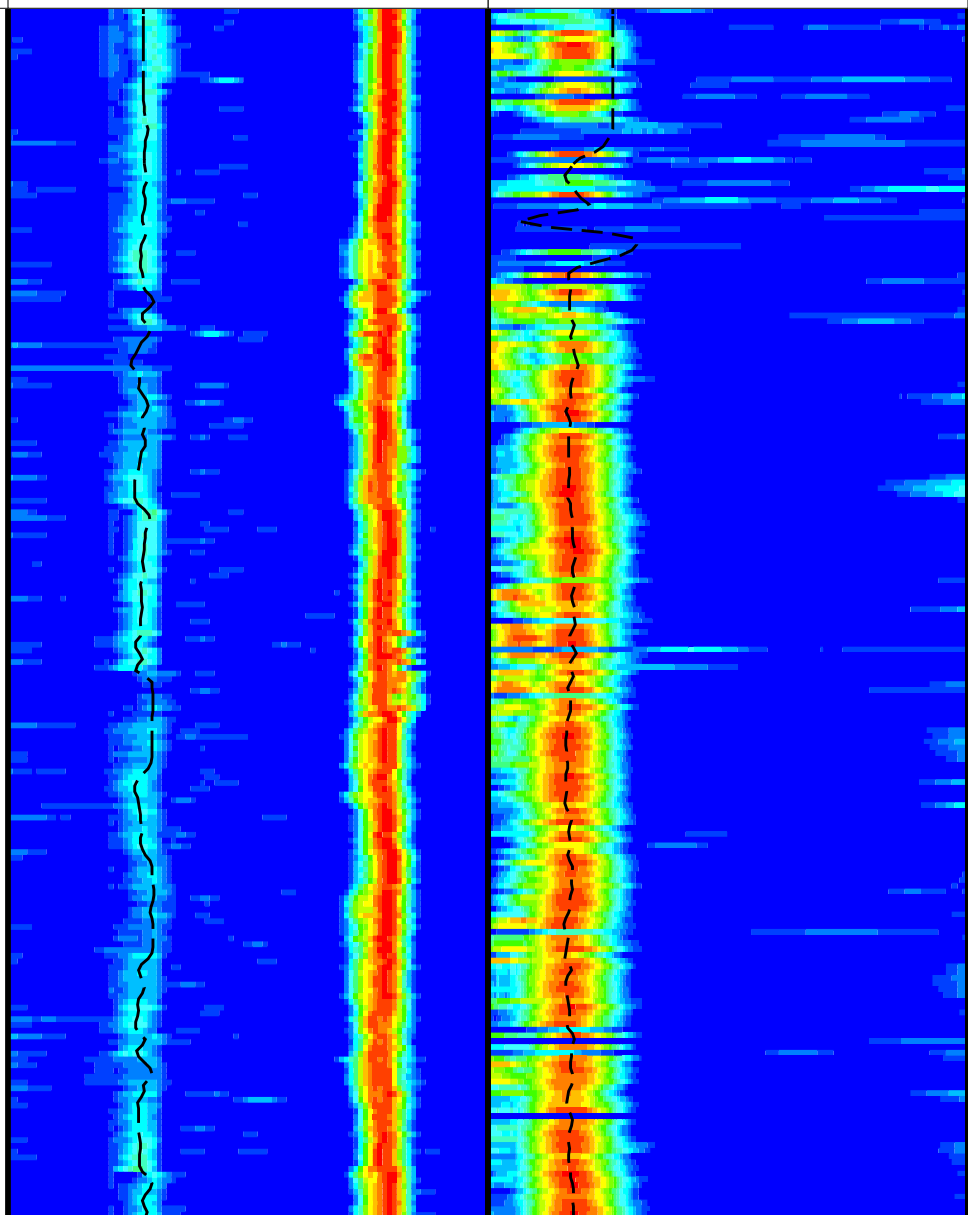
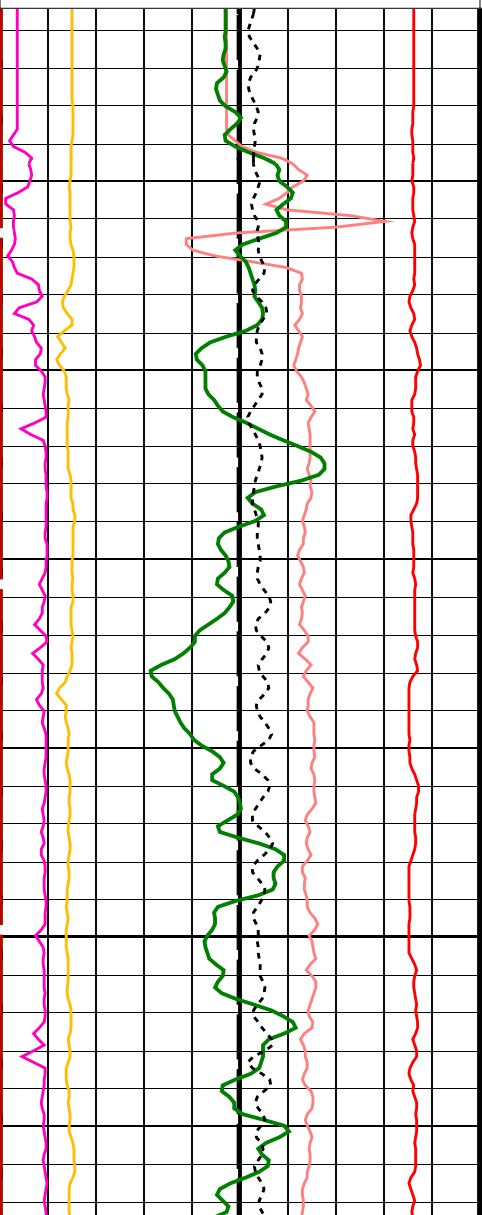
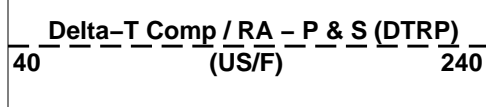
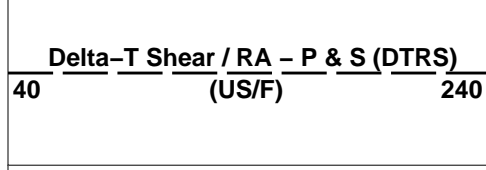
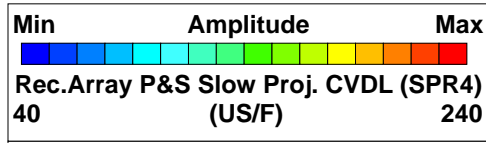
PIP SUMMARY

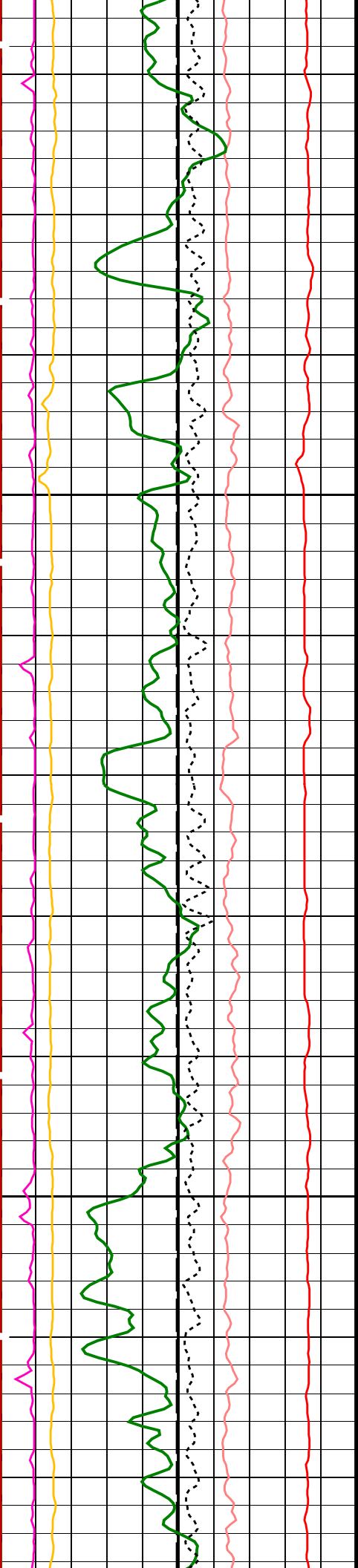
Time Mark Every 60 S

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		

0	Peak Coherence / RA - P & S Comp (CHRP)	10
0	Peak Coherence / RA - Upper Dipole (CHR2)	10
0	HNGS Computed Gamma Ray (HCGR) (GAPI)	100
10000	Tension (TENS) (LBF)	0
440	Delta-T Shear - P & S (DT4S) (US/F)	40
440	Delta-T Comp - P & S (DT4P) (US/F)	40
440	Delta-T Shear - Upper Dipole (DT2) (US/F)	40
0	Bit Size (BS) (IN)	20

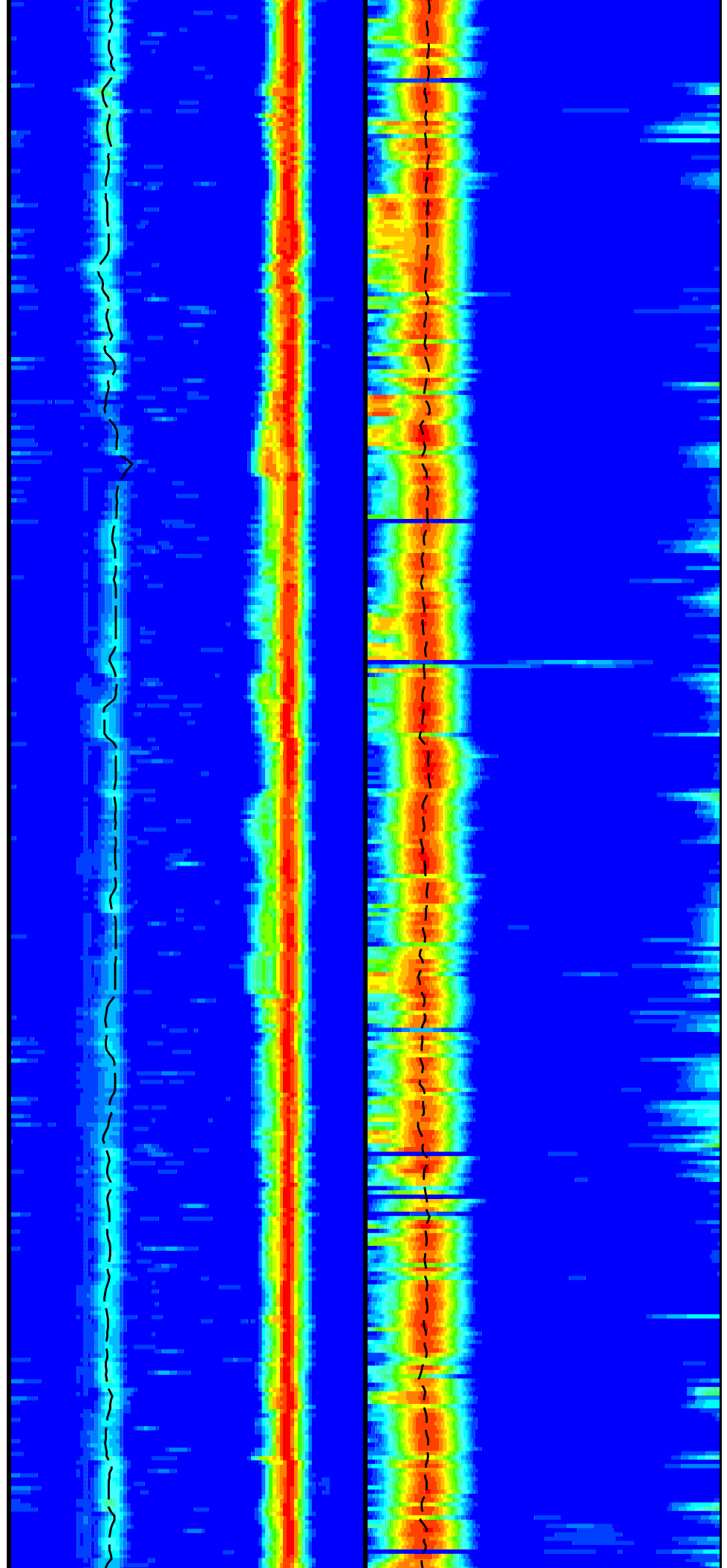
Uplog #1

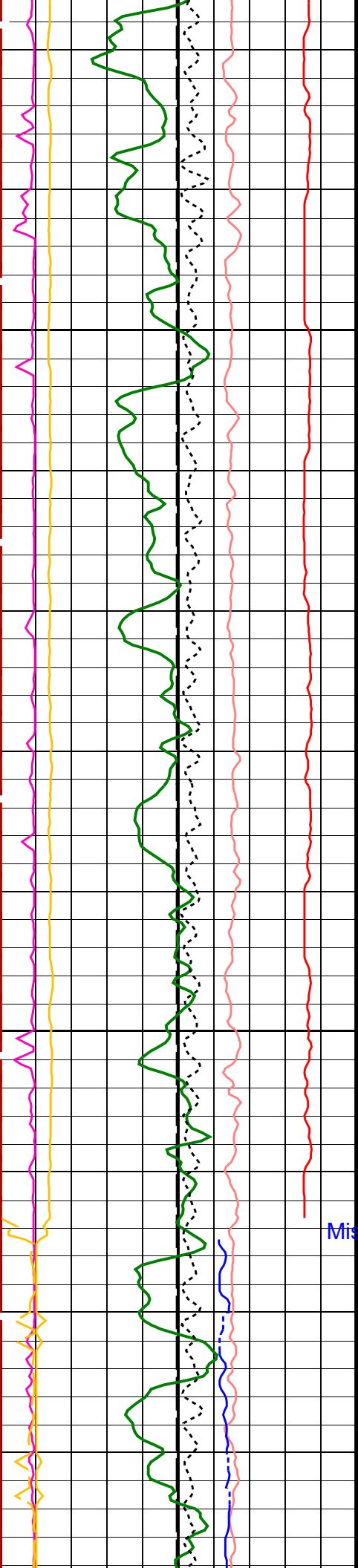




3175

3200

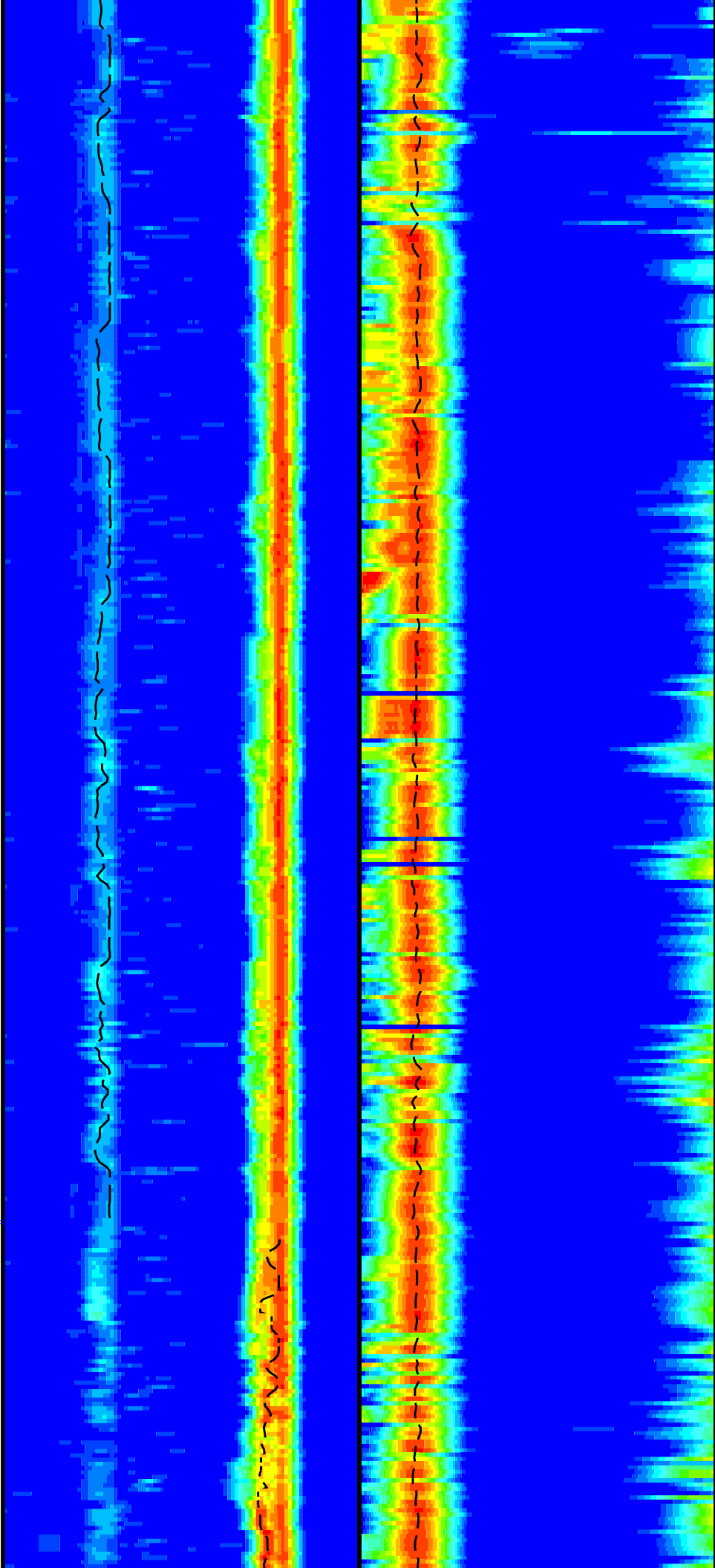


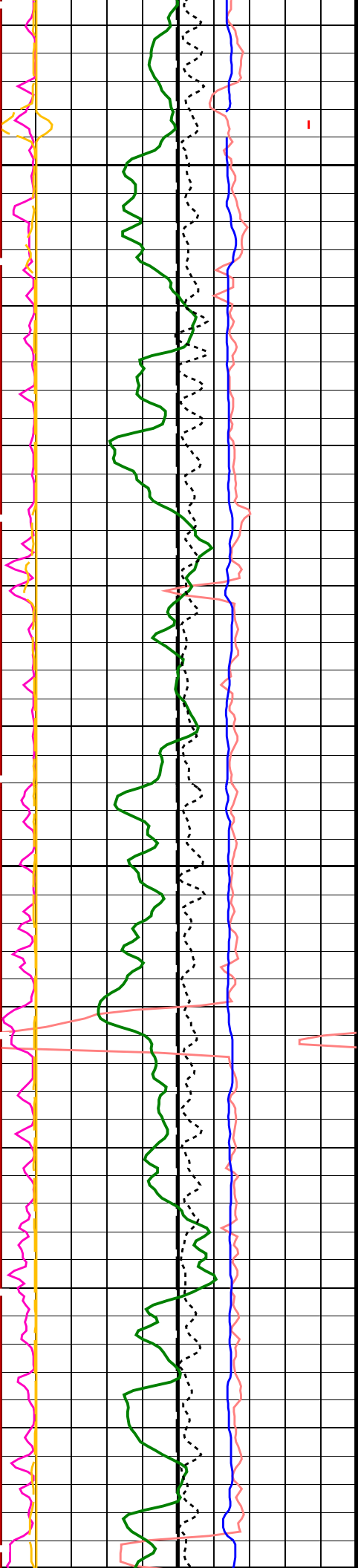


3225

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Mislabeling

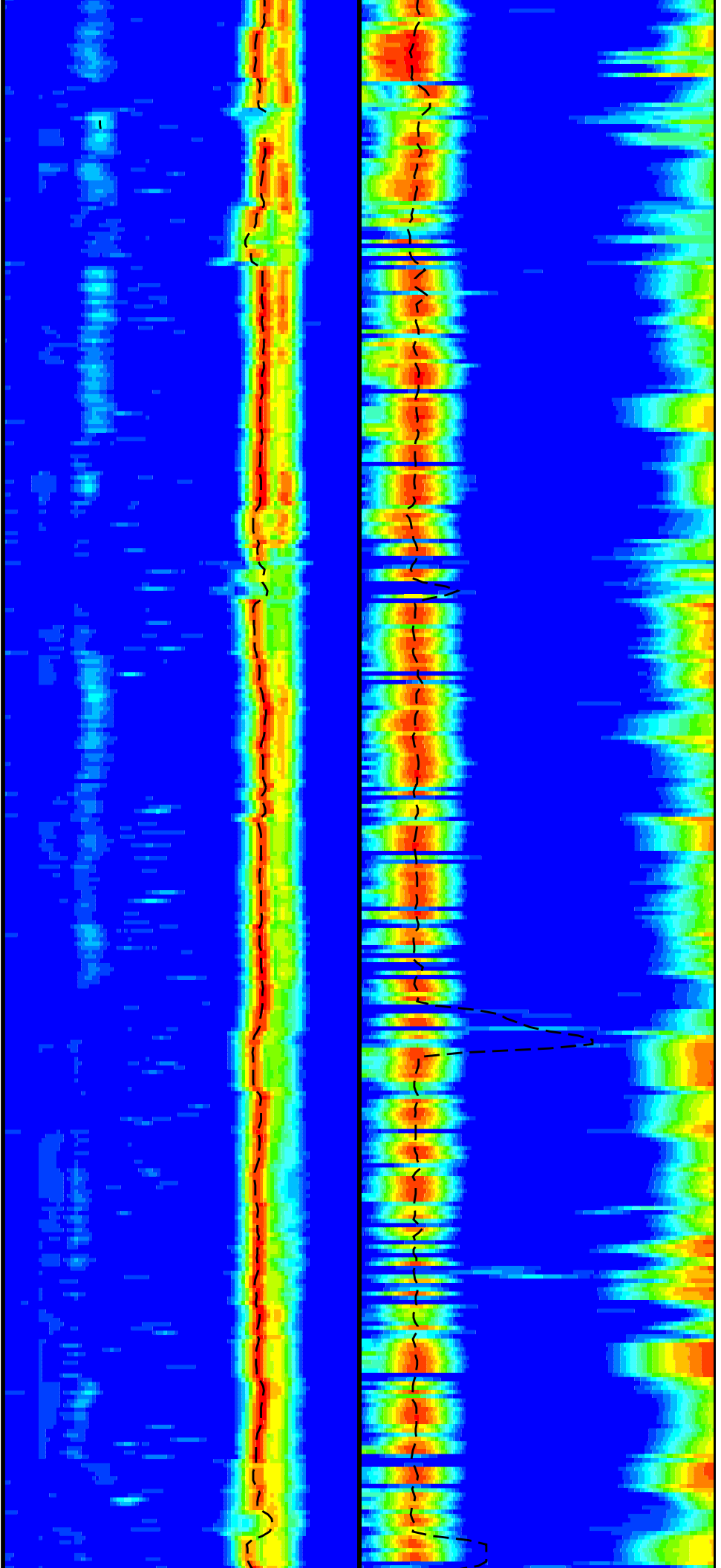


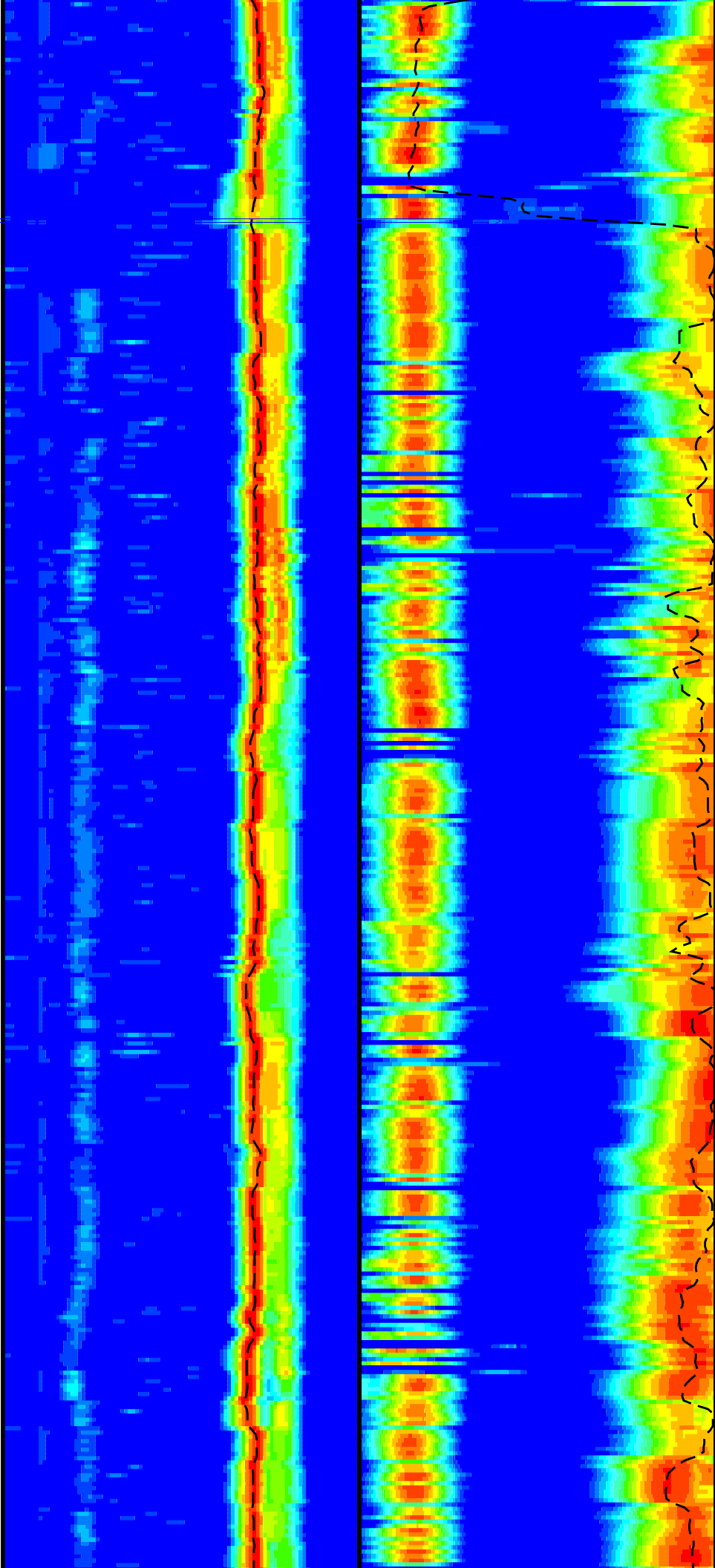
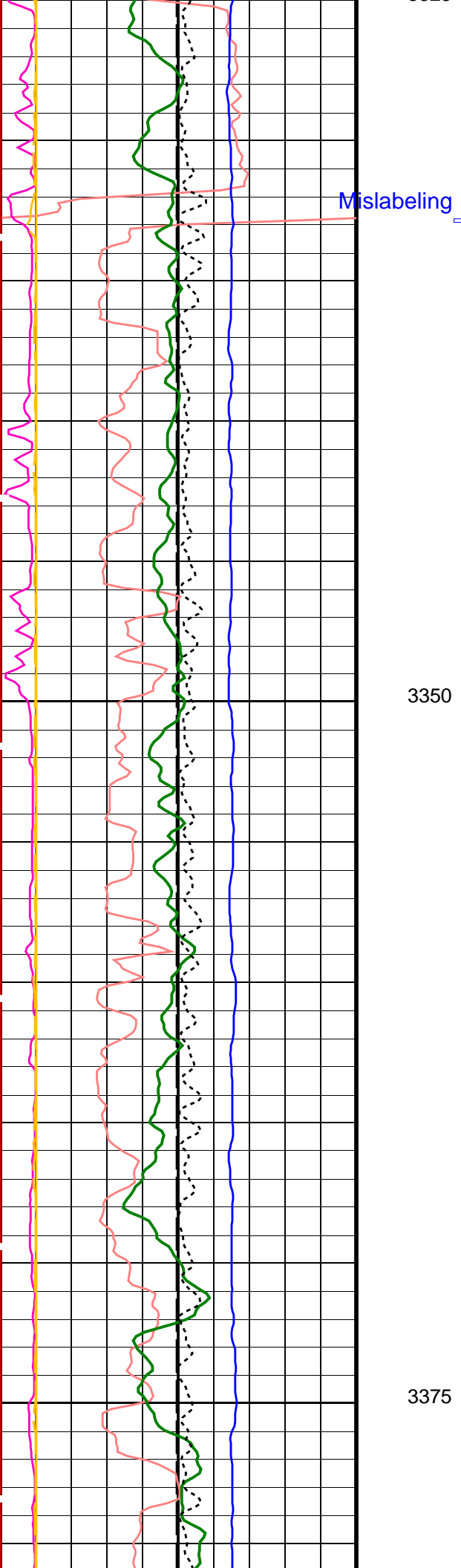


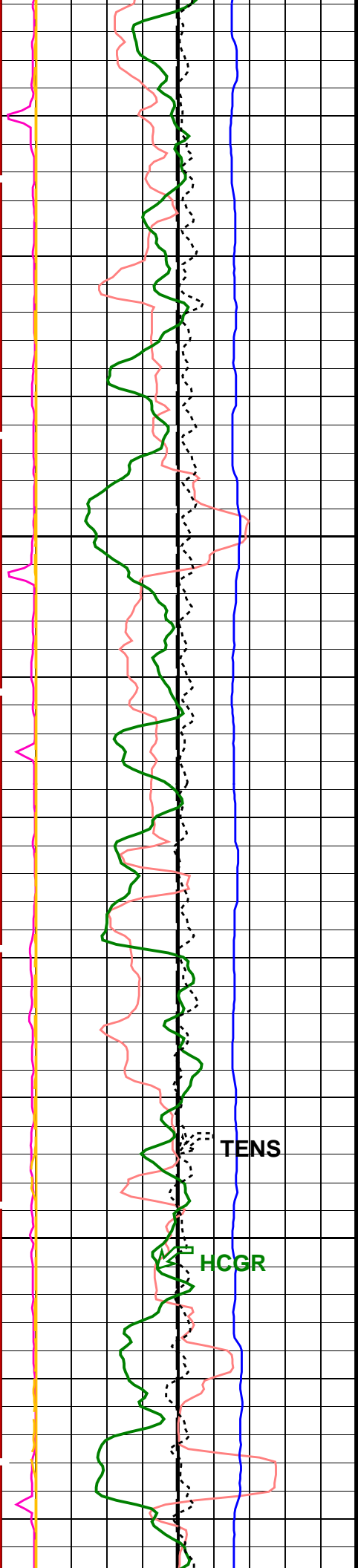
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3325

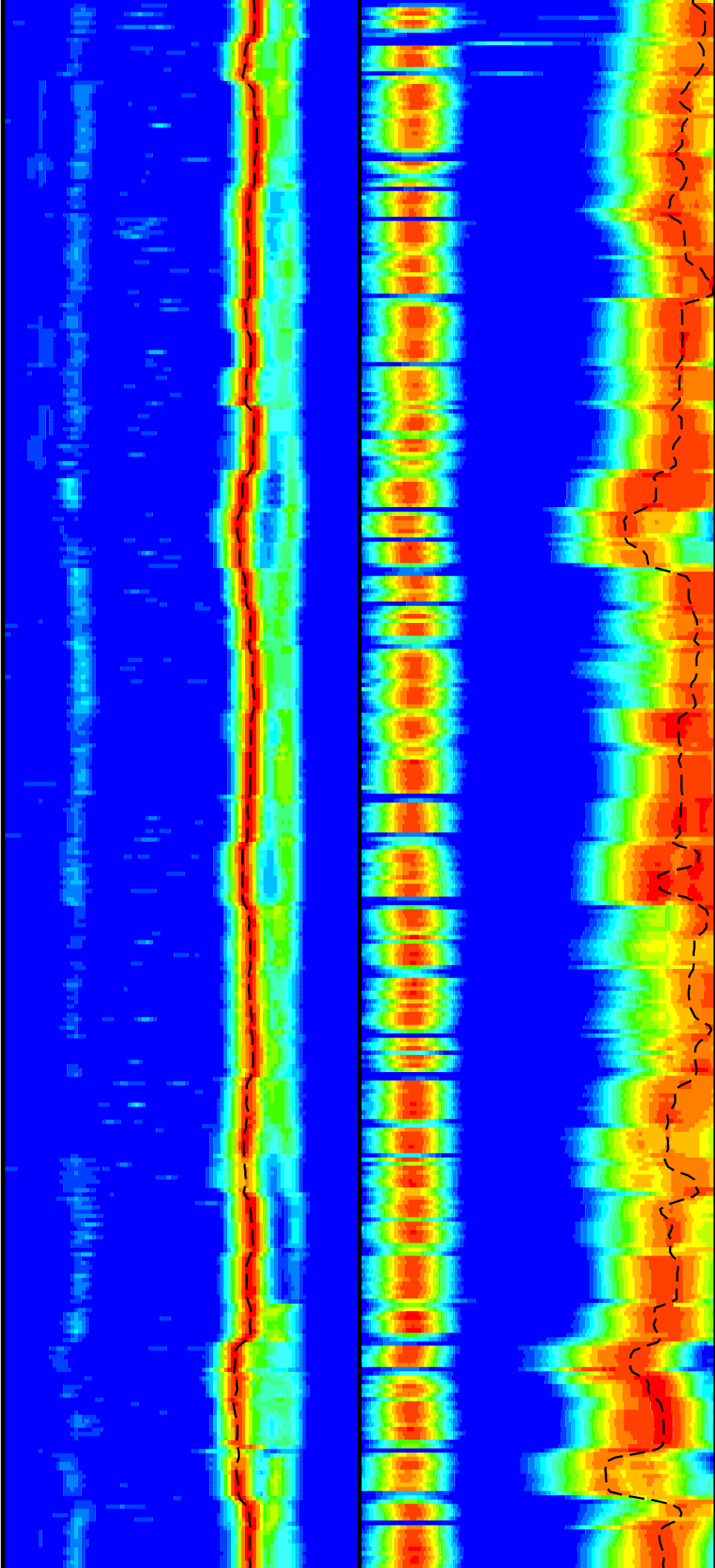


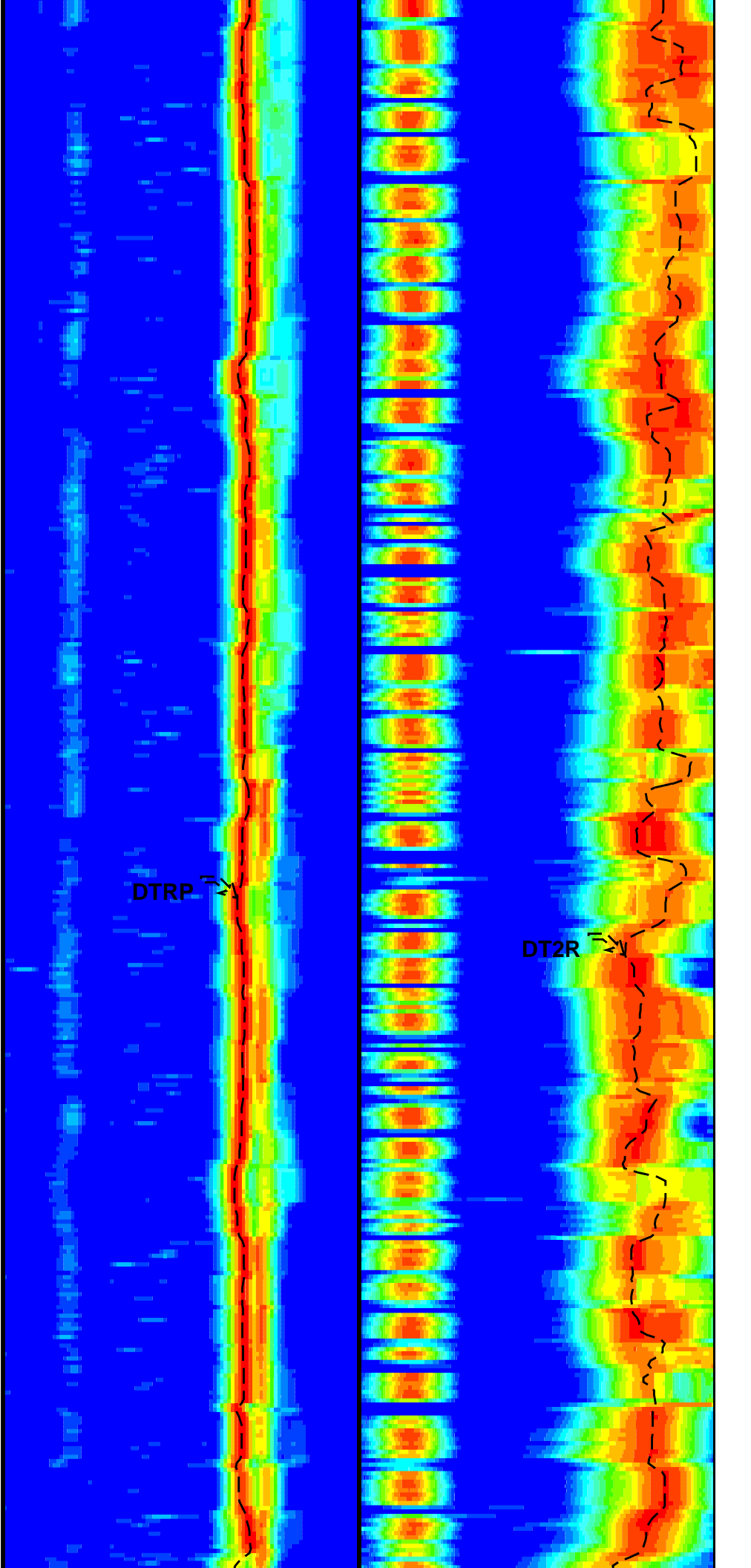
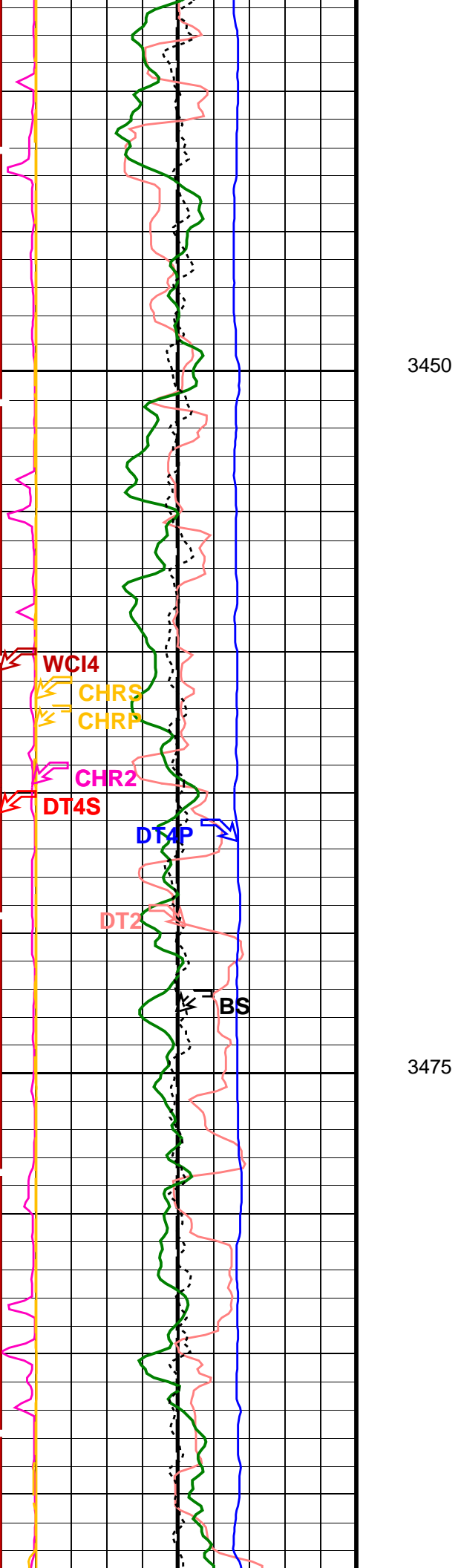


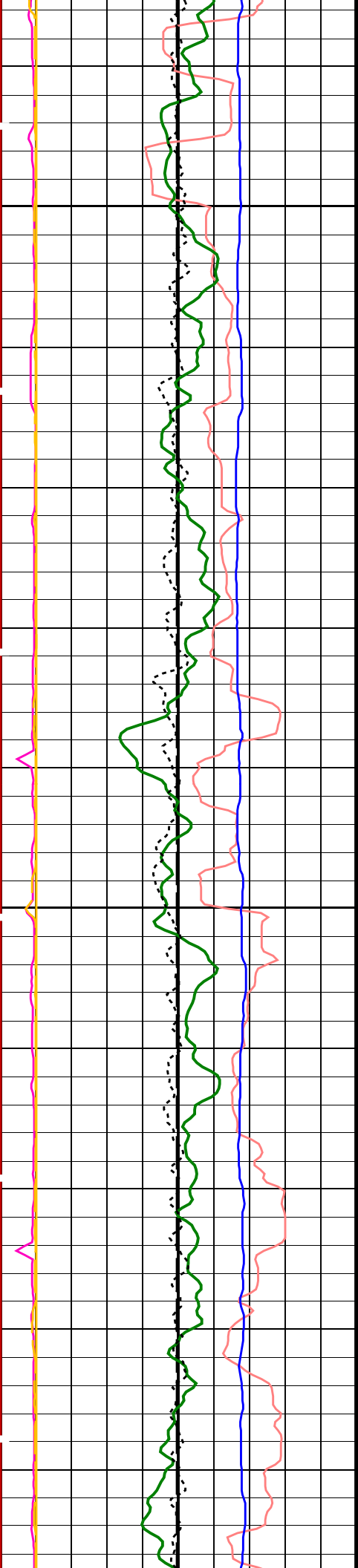


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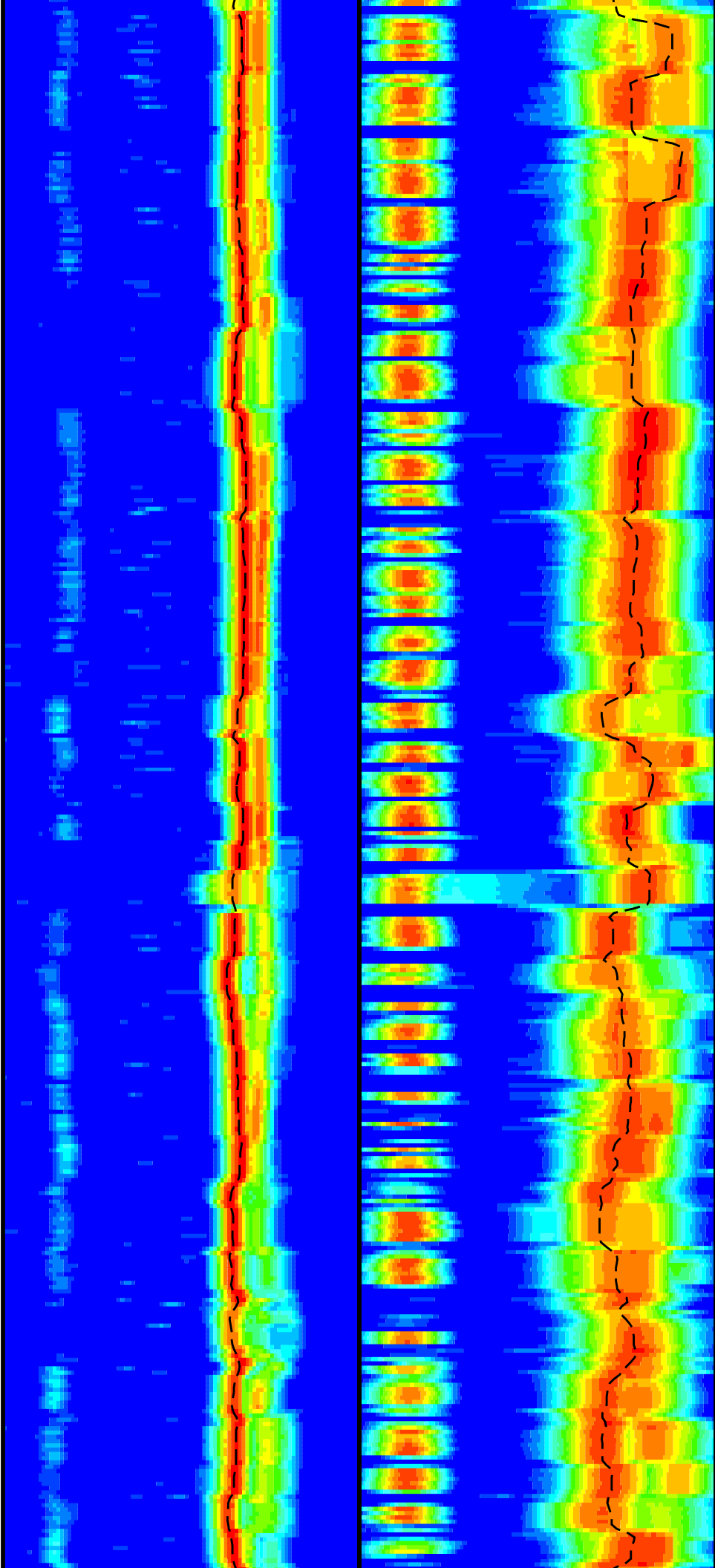


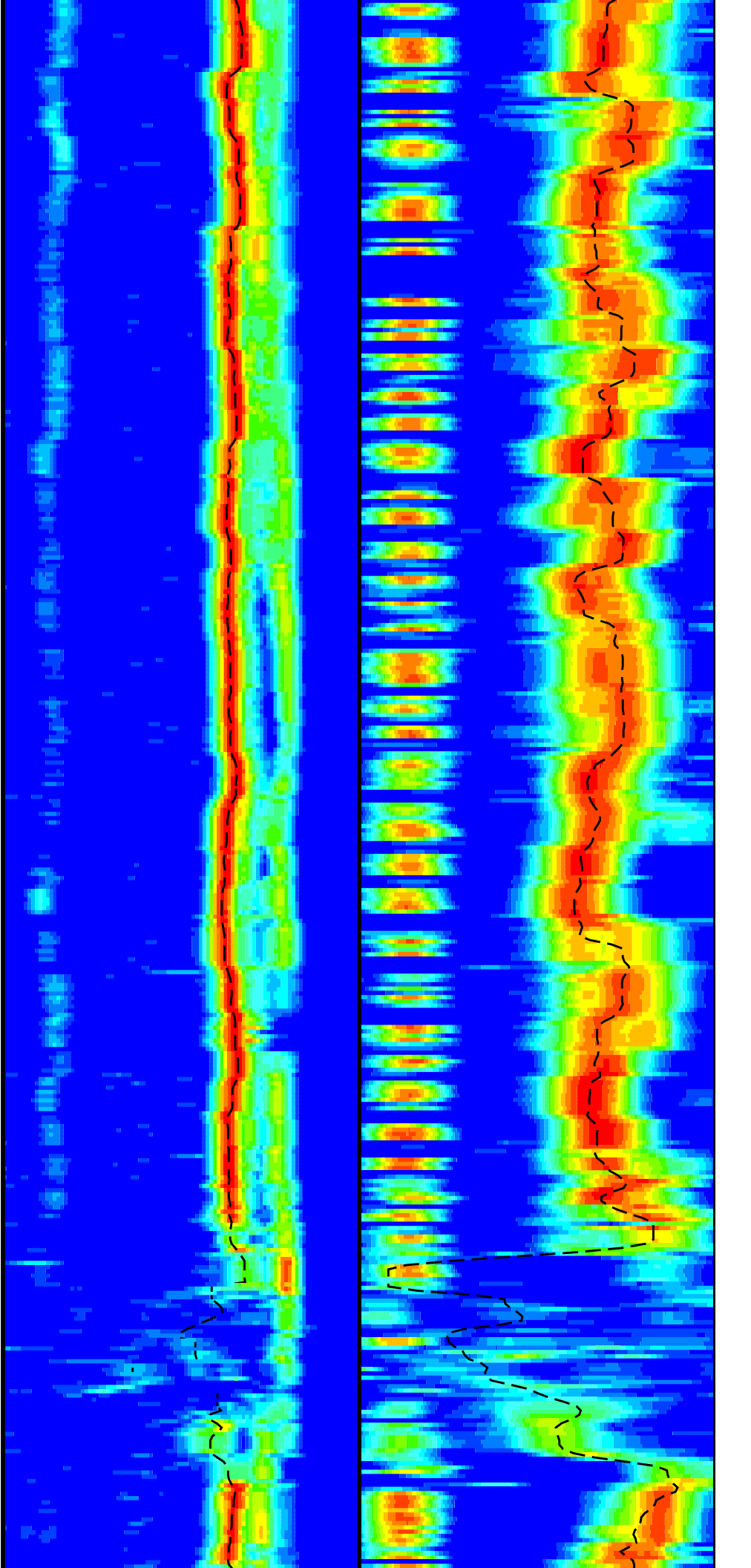
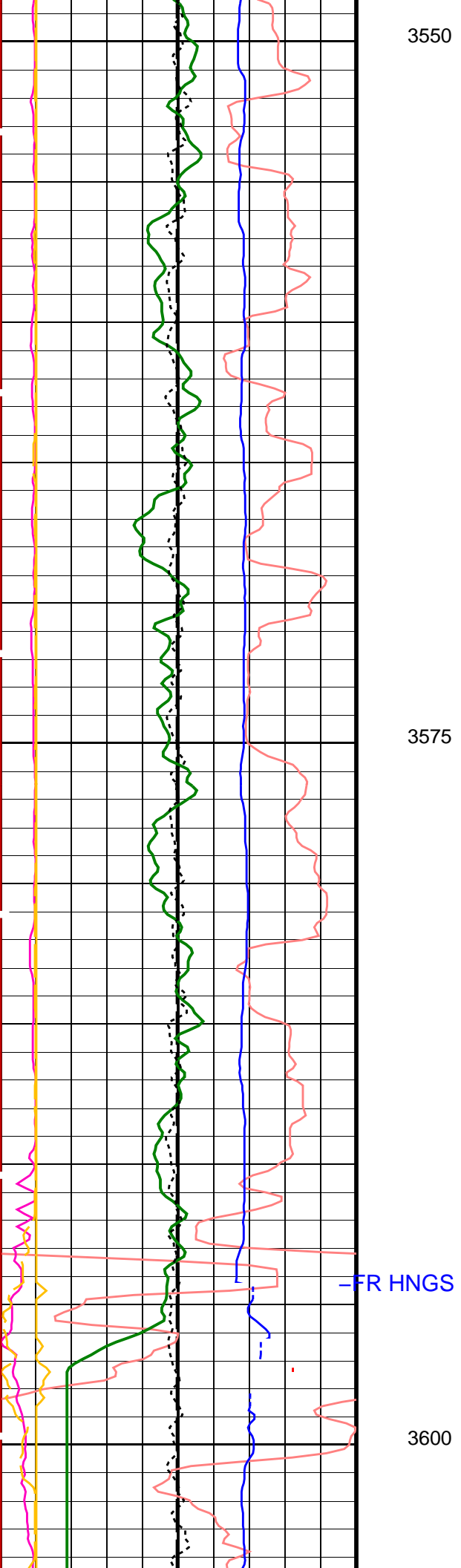


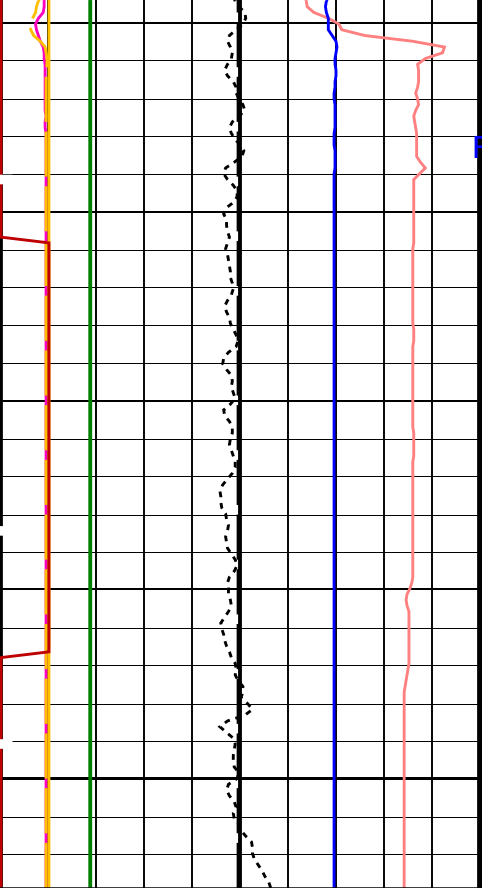


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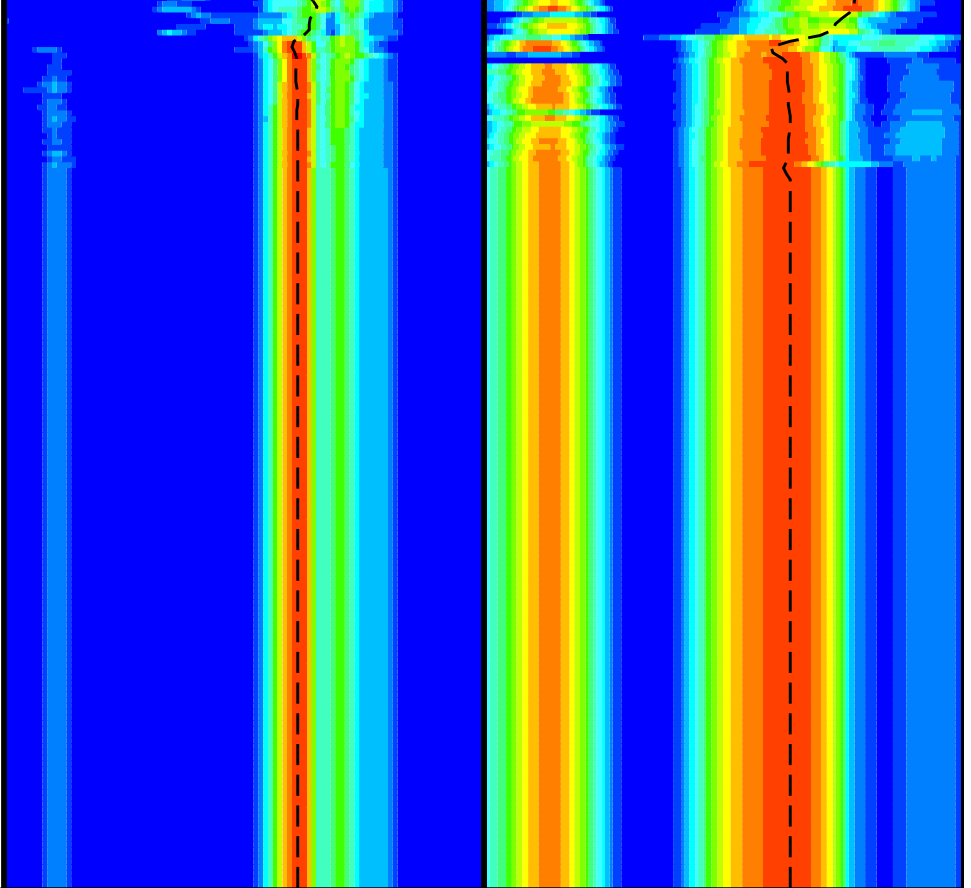




FR DSI-

3625

-TD-



Bit Size (BS)
(IN) 0 20

Delta-T Shear - Upper Dipole (DT2)
(US/F) 440 40

Delta-T Comp - P & S (DT4P)
(US/F) 440 40

Delta-T Shear - P & S (DT4S)
(US/F) 440 40

Tension (TENS)
(LBF) 10000 0

HNGS Computed Gamma Ray (HCGR)
(GAPI) 0 100

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 Comp / RA - P & S (DTRP)
(US/F) 40 240

Delta-T Shear / RA - P & S (DTRS)
(US/F) 40 240

Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
(US/F) 40 240

Delta-T Shear / RA - Upper Dipole
(DT2R)
(US/F) 75 775

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

Uplong #1

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	195	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	
DWF	Delta-T Fluid	204.5	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	
GCSE	Generalized Caliper Selection	BS	
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 - High Frequency 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	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180	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

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	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00353927	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.951237	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.958169	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.22	G/C3

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2010 12:38

OP System Version: 17C0-154

MEST-B	SRPC-3870_Q3_2009_OP17_V3_b	DTA-A	17C0-154
DSST-B	17C0-154	HNGC-B	17C0-154
HNGS-BA	17C0-154	DTC-H	17C0-154

Output DLIS Files

DEFAULT	FMS_DSI_NGS_016LUP	FN:24	PRODUCER	23-Feb-2010 12:38
BACKUP	FMS_DSI_NGS_016LUP	FN:25	PRODUCER	23-Feb-2010 14:38

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 17-Jan-2010 19:12							
Caliper 1 Zero Measurement	12.00	N/A	12.69	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.42	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.94	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.71	N/A	N/A	N/A	IN
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 23-Feb-2010 10:14							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 23-Feb-2010 10:14							
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check							
Master: 1-Jan-2010 19:23 Before: 16-Jan-2010 20:44							
Na 511 Peak Loc	40.00	39.63	39.63	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.18	14.78	N/A	N/A	2.000	%
High Voltage	1150	1161	1177	N/A	N/A	N/A	V

Na 1785 Peak Loc	142.6	142.1	142.4	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.816	10.01	N/A	N/A	2.000	%
Temperature	15.50	22.69	14.92	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	33.90	33.64	N/A	N/A	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: 1–Jan–2010 19:23 Before: 16–Jan–2010 20:44

Na 511 Peak Loc	40.00	39.69	39.65	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.48	14.73	N/A	N/A	2.000	%
High Voltage	1150	1095	1081	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	142.2	141.8	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.546	8.949	N/A	N/A	2.000	%
Temperature	15.50	23.40	15.62	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	33.69	33.51	N/A	N/A	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2

Master: 1–Jan–2010 19:23 Before: 16–Jan–2010 20:44

Coincidence Count Rate Ratio	1.000	1.006	1.005	N/A	N/A	0.05000	
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Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration

Master: 1–Jan–2010 19:02

Na 511 Peak Set Point	40.00	41.00	---	---	---	---	
Th Peak Loc	209.6	210.4	---	---	---	---	
Th Peak Res	7.000	6.564	---	---	---	---	%
Background Count Rate	142.5	18.85	---	---	---	---	CPS
Gain Ratio	1.000	1.010	---	---	---	---	

Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration

Master: 1–Jan–2010 19:02

Na 511 Peak Set Point	40.00	41.00	---	---	---	---	
Th Peak Loc	209.6	209.1	---	---	---	---	
Th Peak Res	7.000	6.559	---	---	---	---	%
Background Count Rate	142.5	18.64	---	---	---	---	CPS
Gain Ratio	1.000	1.002	---	---	---	---	

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	770
GPIT Cartridge – AC	GPIC – AC	840
MEST Preamplifier Cartridge – AB	MEPC – AB	806
MEST Acquisition Cartridge – A	MEAC – A	875

Auxiliary Equipment:

MEST–B Preamplifier Cartridge Housing	MEPH – A	702
MEST Acquisition Cartridge Housing (Slim)	MEAH – B	769

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:

HNGC Cartridge	HNGC – B	300
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Auxiliary Equipment:

HNGC Housing	HNGH – A	115
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Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

HNGS Sonde	HNGS – BA	194
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Auxiliary Equipment:

HNGS Sonde Housing	HNSH – BA	205
Gamma Source Radioactive	GSR – U	616008

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.63	Master		15.18	Master		1161

Before	37.50 (Minimum)	40.00 (Nominal)	43.50 (Maximum)	39.63	Before	12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)	14.78	Before	900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)	1177
Phase	Na 1785 Peak Loc			Value	Phase	Na 1785 Peak Res %			Value	Phase	Temperature DEGC			Value
Master				142.1	Master				8.816	Master				22.69
Before				142.4	Before				10.01	Before				14.92
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)			7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)			-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)	
Phase	Na Count Rate CPS			Value										
Master				33.90										
Before				33.64										
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)											
Master: 1-Jan-2010 19:23					Before: 16-Jan-2010 20:44									

Hostile Natural Gamma Ray Sonde Wellsite Calibration														
Detector 2 Check														
Phase	Na 511 Peak Loc			Value	Phase	Na 511 Peak Res %			Value	Phase	High Voltage V			Value
Master				39.69	Master				15.48	Master				1095
Before				39.65	Before				14.73	Before				1081
	37.50 (Minimum)	40.00 (Nominal)	43.50 (Maximum)			12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)			900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)	
Phase	Na 1785 Peak Loc			Value	Phase	Na 1785 Peak Res %			Value	Phase	Temperature DEGC			Value
Master				142.2	Master				8.546	Master				23.40
Before				141.8	Before				8.949	Before				15.62
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)			7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)			-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)	
Phase	Na Count Rate CPS			Value										
Master				33.69										
Before				33.51										
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)											
Master: 1-Jan-2010 19:23					Before: 16-Jan-2010 20:44									

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		1.006
Before		1.005
	0.9500 (Minimum)	1.000 (Nominal)
		1.050 (Maximum)
Master: 1-Jan-2010 19:23		
Before: 16-Jan-2010 20:44		

Hostile Natural Gamma Ray Sonde Master Calibration														
Detector 1 Calibration														
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value	Phase	Th Peak Res %			Value
Master				41.00	Master				210.4	Master				6.564
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)			201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)			5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)	
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value					
Master				18.85	Master				1.010					
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)			0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)						
Master: 1-Jan-2010 19:02														

Hostile Natural Gamma Ray Sonde Master Calibration														
Detector 2 Calibration														
Phase	Na 511 Peak Set Point			Value	Phase	Th Peak Loc			Value	Phase	Th Peak Res %			Value
Master				41.00	Master				209.1	Master				6.559
	38.00 (Minimum)	40.00 (Nominal)	43.00 (Maximum)			201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)			5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)	
Phase	Background Count Rate CPS			Value	Phase	Gain Ratio			Value					
Master					Master									

Master		18.64	Master		1.002
10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)

Master: 1-Jan-2010 19:02

DTS Telemetry Tool / Equipment Identification

Primary Equipment:

DTC-H Auxiliary Cartridge	DTCH - A	8799
DTC-H Telemetry Cartridge	DTCH - A	8799

Auxiliary Equipment:

DTCH Telemetry Cartridge Housing	ECH - KC	9842
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Company: **Lamont Doherty**

Schlumberger

Well: **Expedition 318 Site U1359D**

Field: **Wilkes Land**

Rig: **JOIDES Resolution**

Country: **Antarctica**

Diopole Shear Sonic (DSI)
 Natural Gamma Ray
 Spectroscopy (HNCS)