

Company: Lamont Doherty
Well: Expedition 318 Site U1361A
Field: Wilkes Land
Rig: JOIDES Resolution Country: Antarctica

Rig: JOIDES Resolution Field: Wilkes Land Location: Latitude: S 64.4095 Deg Well: Expedition 318 Site U1361A Company: Lamont Doherty	
Dipole Sonic Dipole Shear/P&S Compressional Natural Gamma Spectroscopy	
Latitude: S 64.4095 Deg Longitude: E 143.0033 Deg	Elev.: K.B. 11.00 m G.L. 3454.00 m D.F. 11.00 m
Permanent Datum: _____ Mean Sea Level _____ Log Measured From: _____ Drill Floor _____ Drilling Measured From: _____ Drill Floor _____	Elev.: 0.00 m _____ 11.00 m above Perm. Datum
API Serial No. _____	

Logging Date	1-Mar-2010	
Run Number	1	
Depth Driller	3853.5 m	
Schlumberger Depth	3861 m	
Bottom Log Interval	3845 m	
Top Log Interval	3467 m	
Casing Driller Size @ Depth	0.000 in @ 3568.7 m	
Casing Schlumberger	3572 m	
Bit Size	11.438 in	
Type Fluid In Hole	Sepiolite Sea Water Gel + Barite	
Density	1.22 g/cm3	
Fluid Loss	PH	
Source Of Sample		
RM @ Measured Temperature	@ @	
RMF @ Measured Temperature	@ @	
RMC @ Measured Temperature	@ @	
Source RMF	RMC	
RM @ MRT	RMF @ MRT @ @	
Maximum Recorded Temperatures	9 degC @ @	
Circulation Stopped	1-Mar-2010 Time 5:00	
Logger On Bottom	1-Mar-2010 Time 21:00	
Unit Number	625003 Webster	
Recorded By	K. Swain	
Witnessed By	T. Williams, A. Fehr	

Logging Date	1-Mar-2010		Run 1	Run 2	Run 3
Run Number	1				
Depth Driller	3853.5 m				
Schlumberger Depth	3861 m				
Bottom Log Interval	3845 m				
Top Log Interval	3467 m				
Casing Driller Size @ Depth	0.000 in @ 3568.7 m				
Casing Schlumberger	3572 m				
Bit Size	11.438 in				
Type Fluid In Hole	Sepiolite Sea Water Gel + Barite				
Density	1.22 g/cm3				
Fluid Loss	PH				
Source Of Sample					
RM @ Measured Temperature	@ @				
RMF @ Measured Temperature	@ @				
RMC @ Measured Temperature	@ @				
Source RMF	RMC				
RM @ MRT	RMF @ MRT @ @				
Maximum Recorded Temperatures	9 degC @ @				
Circulation Stopped	1-Mar-2010 Time 5:00				
Logger On Bottom	1-Mar-2010 Time 21:00				
Unit Number	625003 Webster				
Recorded By	K. Swain				
Witnessed By	T. Williams, A. Fehr				

DISCLAIMER

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

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

REMARKS: RUN NUMBER 1
 Depths referenced from rig floor in meters below rig floor (MBRF)
 2 centralizer tools (MCD-G thru wired) located above and below DSI
 Tools run slick without stand offs as per normal operation to fit inside pipe.
 Logging is performed through drill pipe for open hole logging.
 SAM 2 upper dipole shear mode at standard frequency.
 SAM 4 P&S mode run for compressional Dt at standard frequency.
 Uplogs 18 and 19 reprocessed to Play 23 and Play 24 to provide estimate of compressional DT to fill in gaps where SAM4 P&S could not be labeled well.
 The dipole source creates both a flexural wave for shear and an associated compressional which can be used as an estimate for compressional if the P&S compressional is absent.
 Processing in Geoframe Best DT is preferred for all DSI data sets.
 Dipole shear reaches slowness limits of 775 us/ft.

REMARKS: RUN NUMBER 2

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

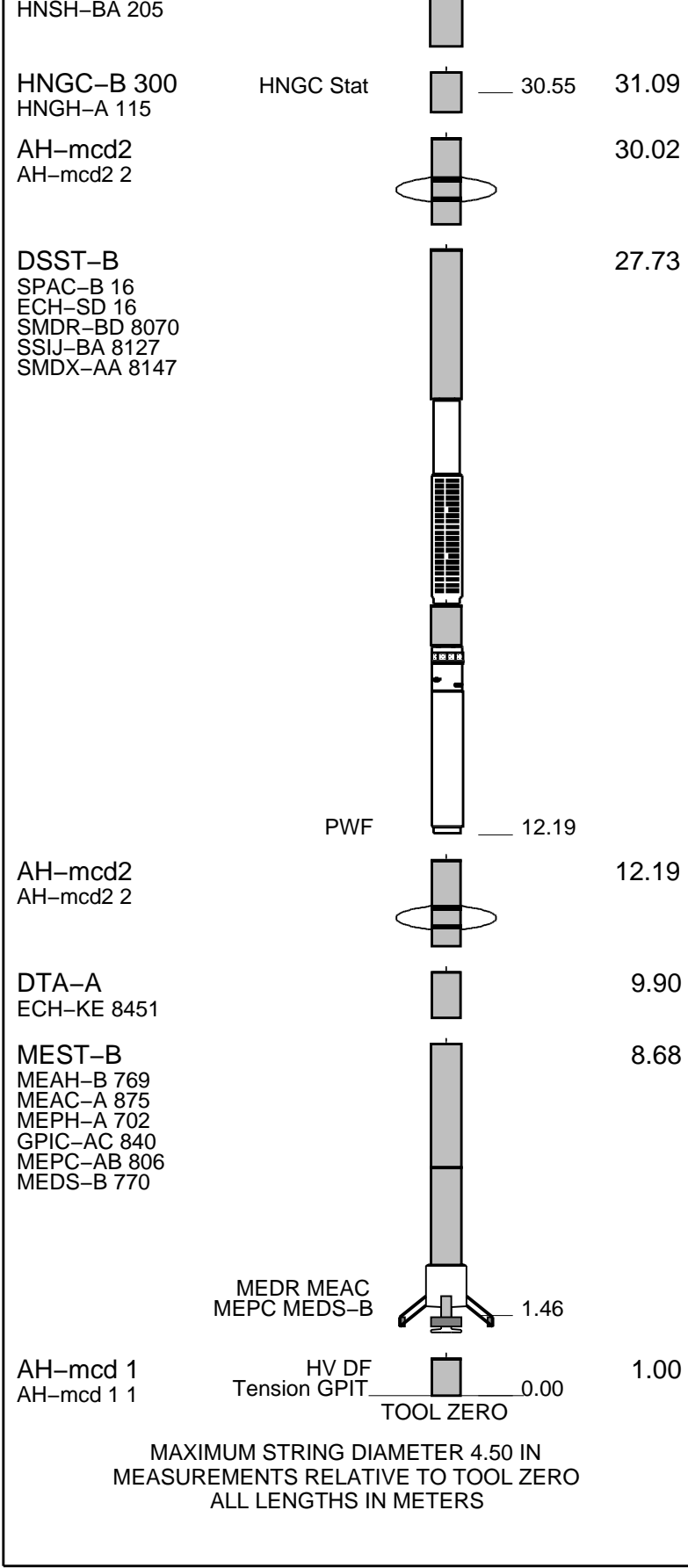
SURFACE EQUIPMENT

GSR-U 616008
 WITM (DTS)-A

DOWNHOLE EQUIPMENT

LEH-QT				35.39
LEH-QT 1750				
DTC-H	CTEM		34.22	
ECH-KC 9842	TelStatus		34.50	
	ToolStatu		33.59	
HNGS-BA 194	Upper_1		32.89	33.59
HNGS-BA 194	Lower_2		32.67	

RUN 2



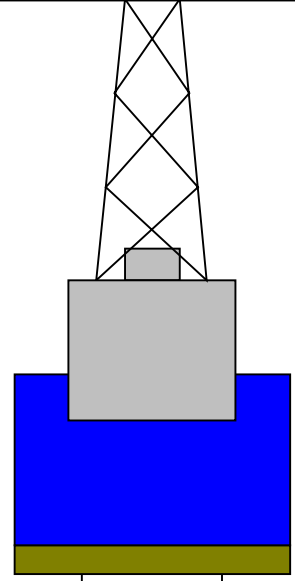
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

11.0
11.0

Mean Sea Level

0.0



3465.5.20

Sea Floor



3465.5 3.80

Borehole Segment

3568.7 11.4375

Open Hole

3853.5

Input DLIS Files

DEFAULT	FMS_DSI_NGS_019LUP	FN:27	PRODUCER	01-Mar-2010 21:36	3863.3 M	3433.6 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_024PUP	FN:32	PRODUCER	04-Mar-2010 16:54	3863.3 M	3433.6 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

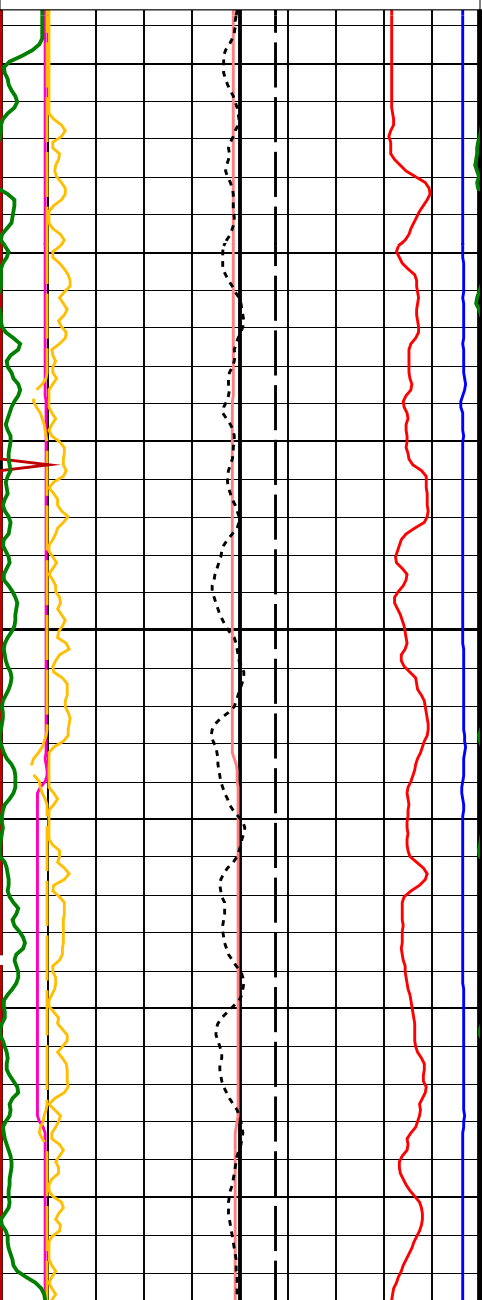
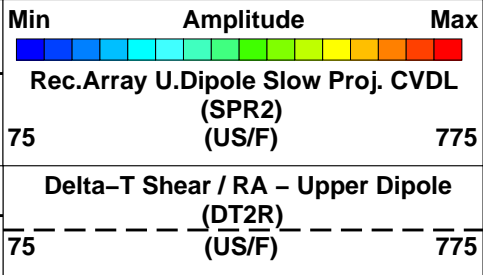
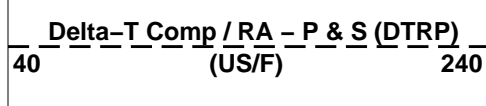
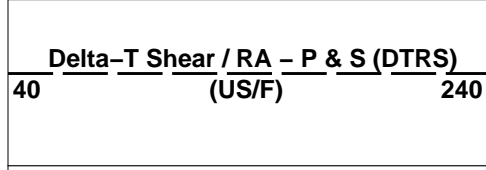
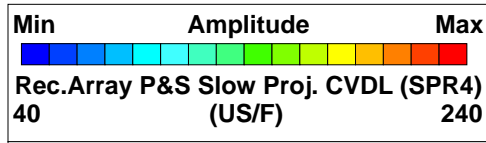
Time Mark Every 60 S

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

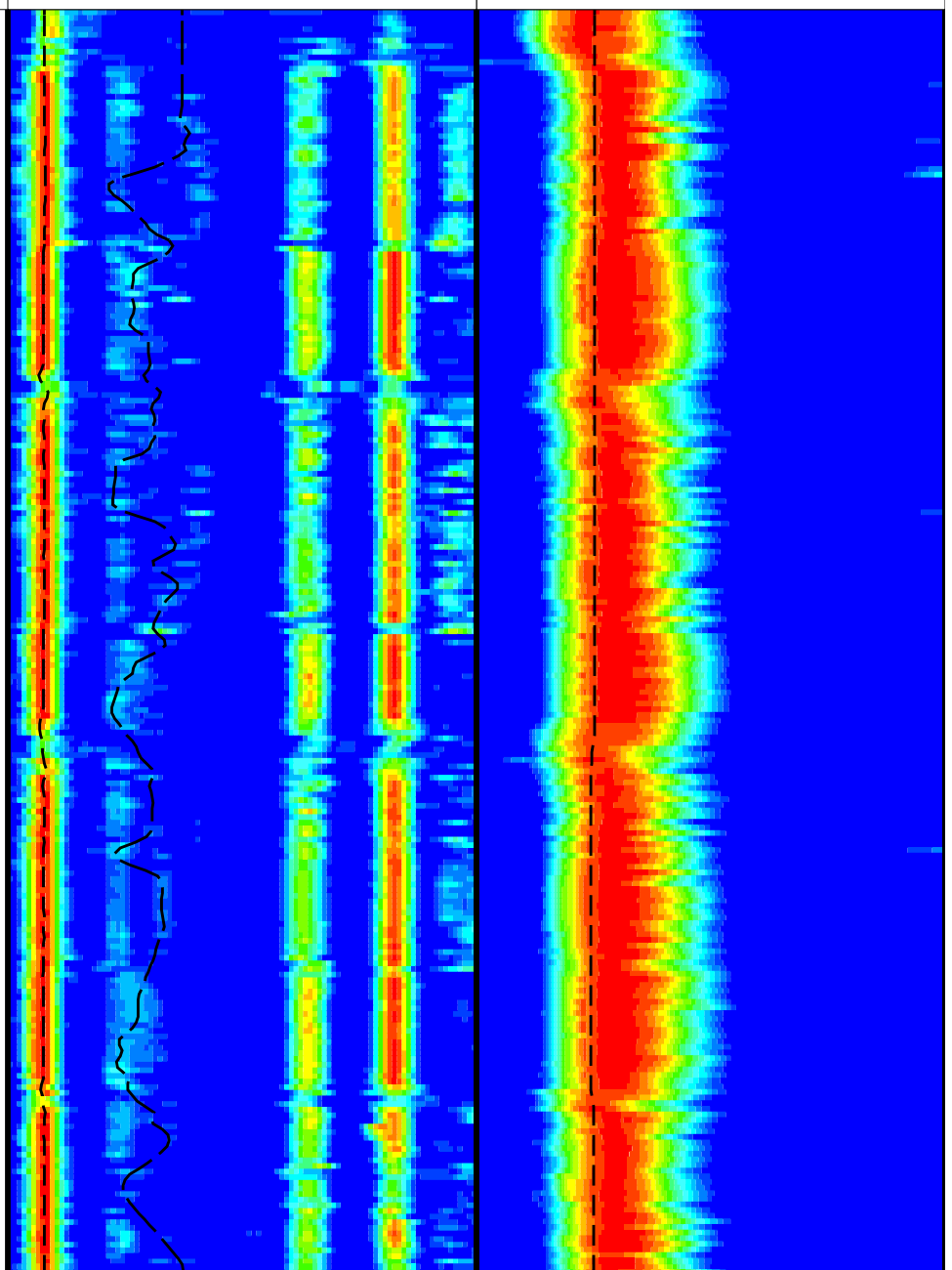
Playback of Uplog #2 File 19

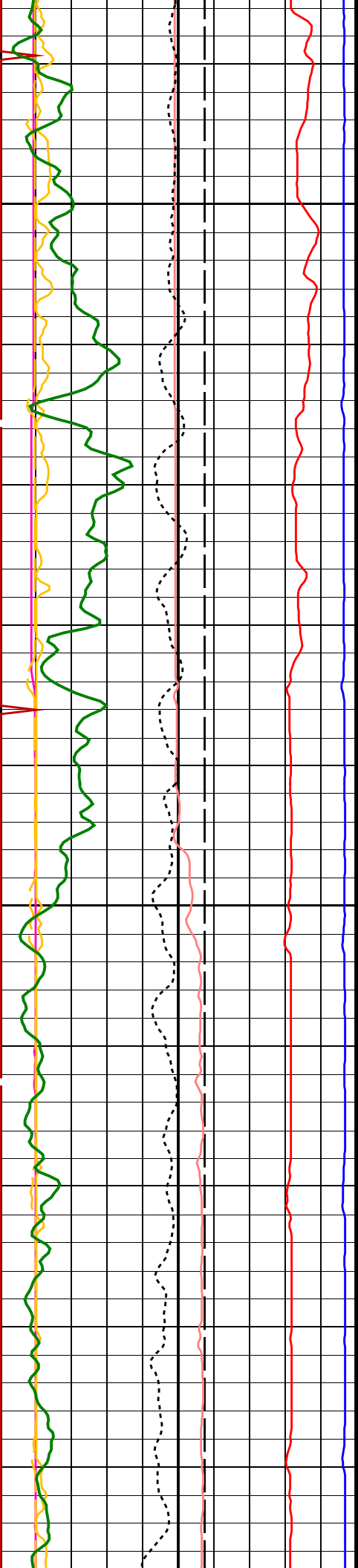
Reprocessing Dipole Shear to Estimate Compressional

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



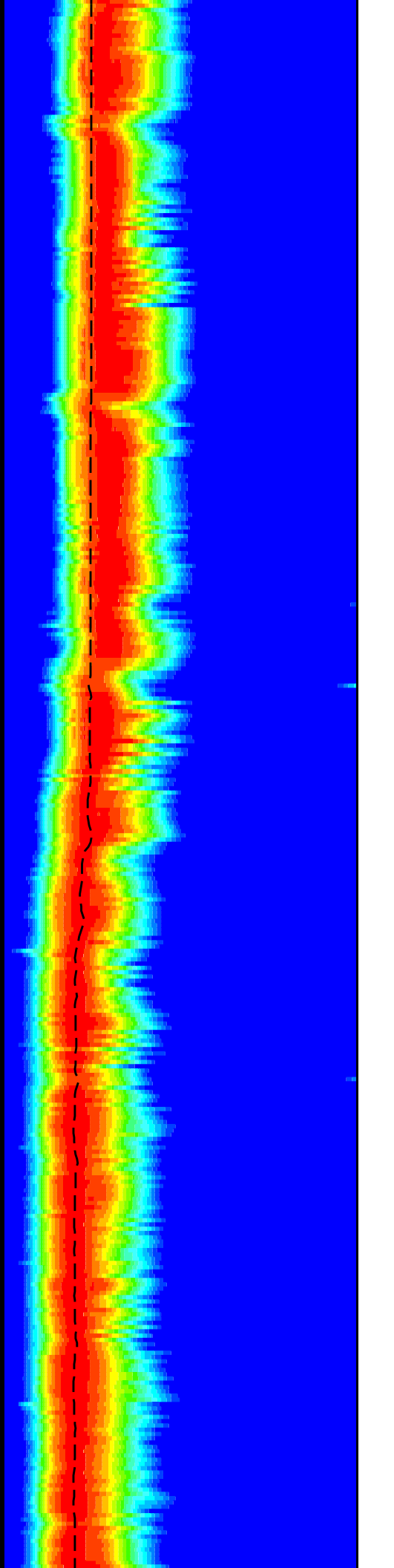
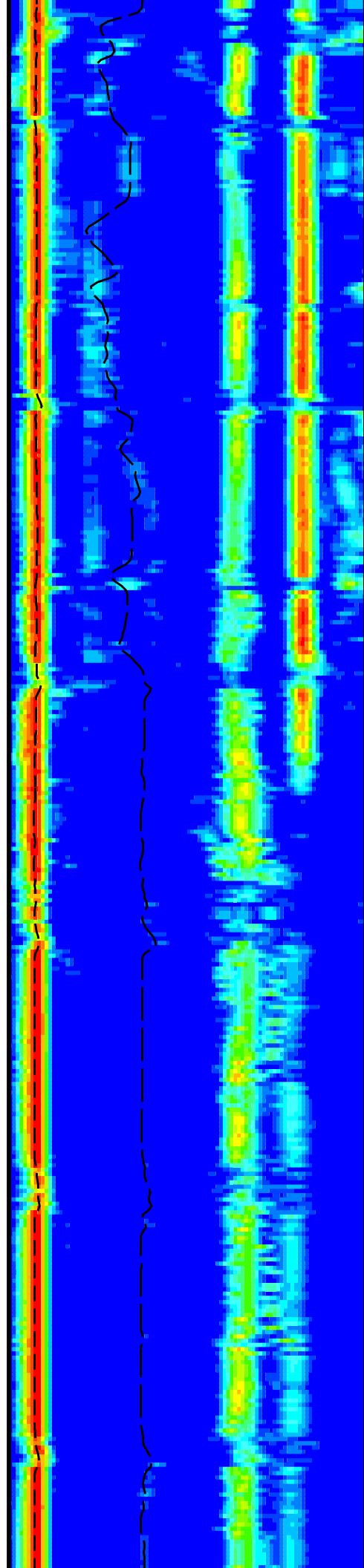
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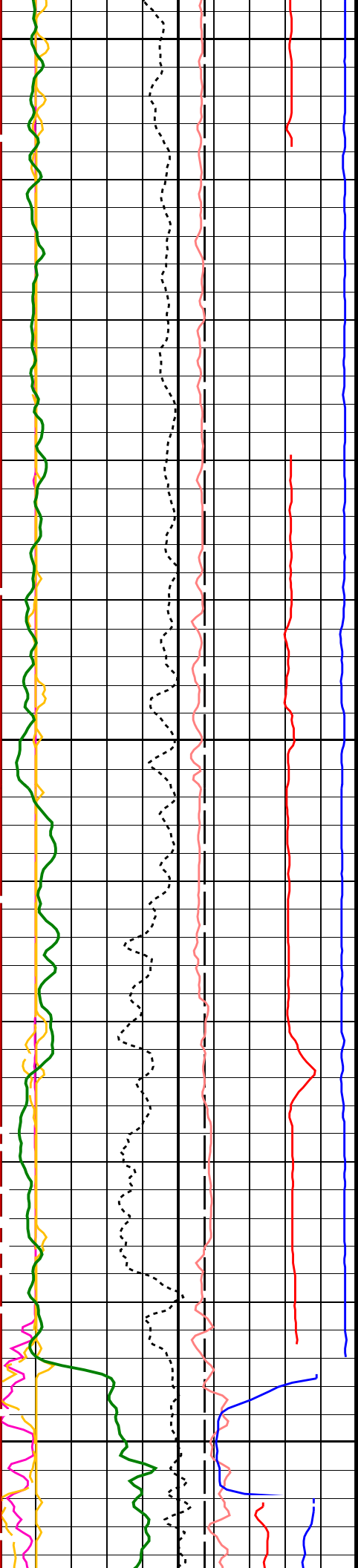




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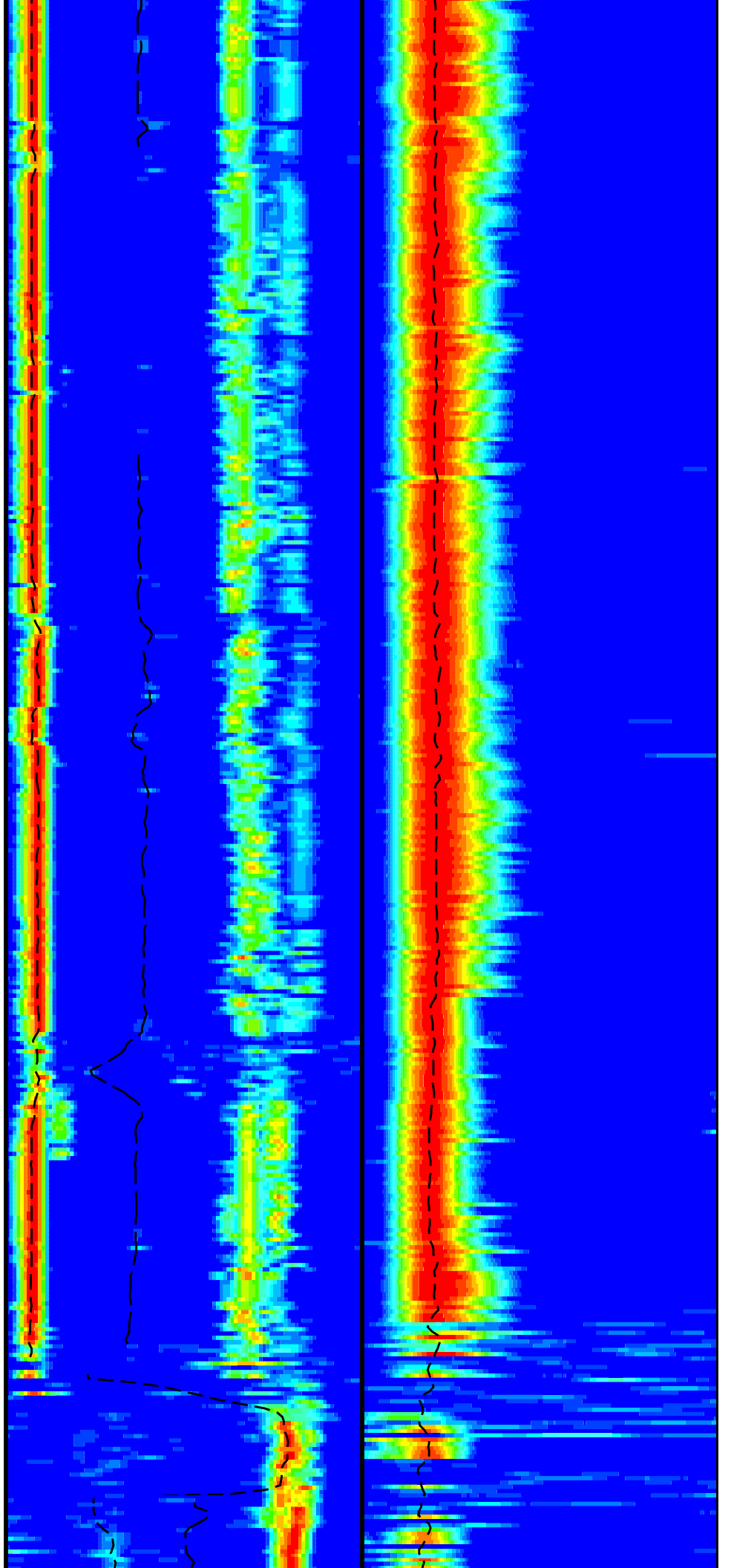


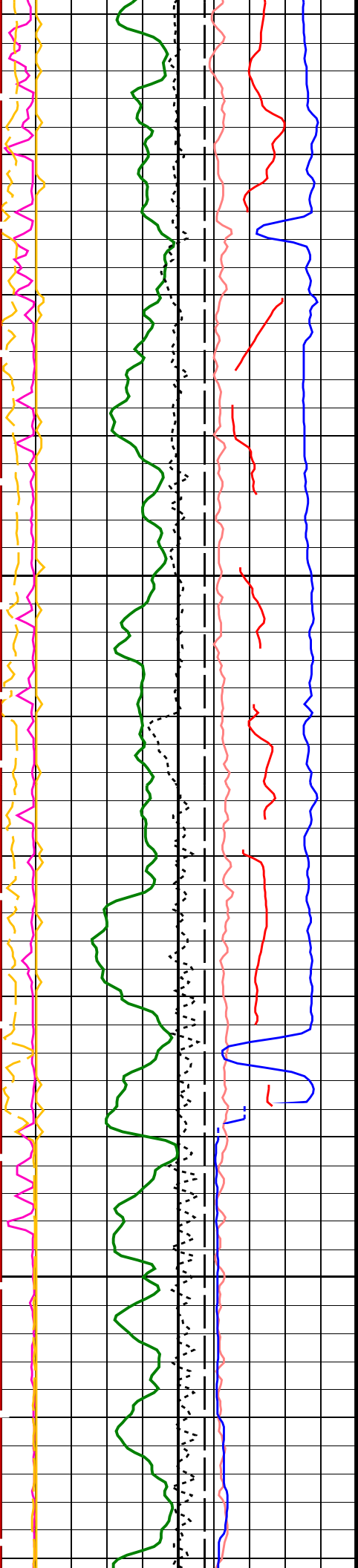


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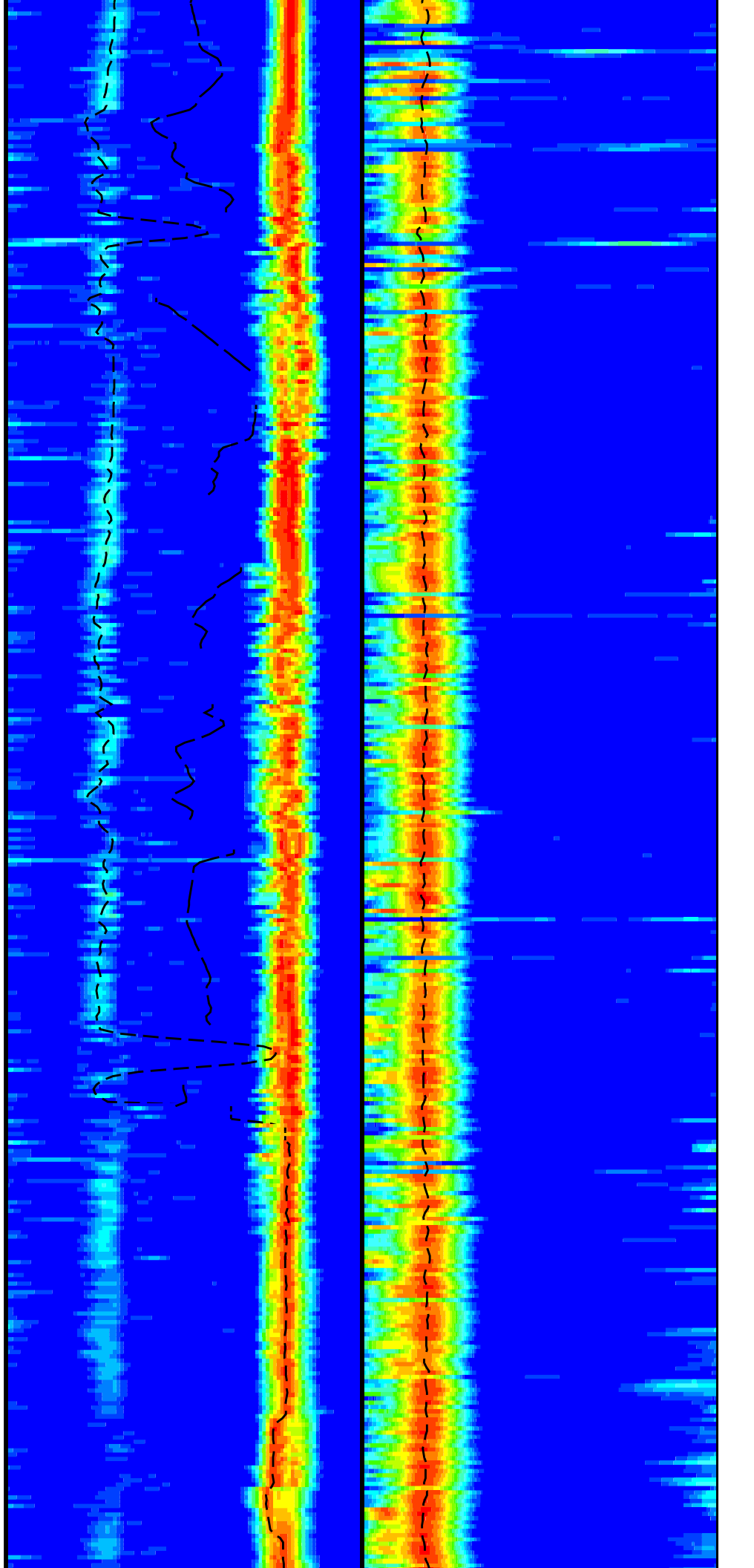
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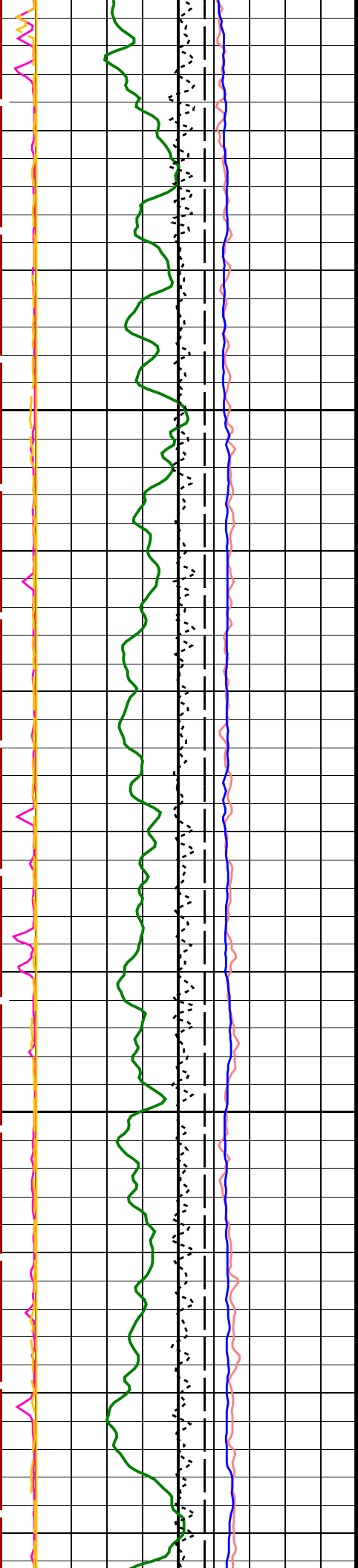




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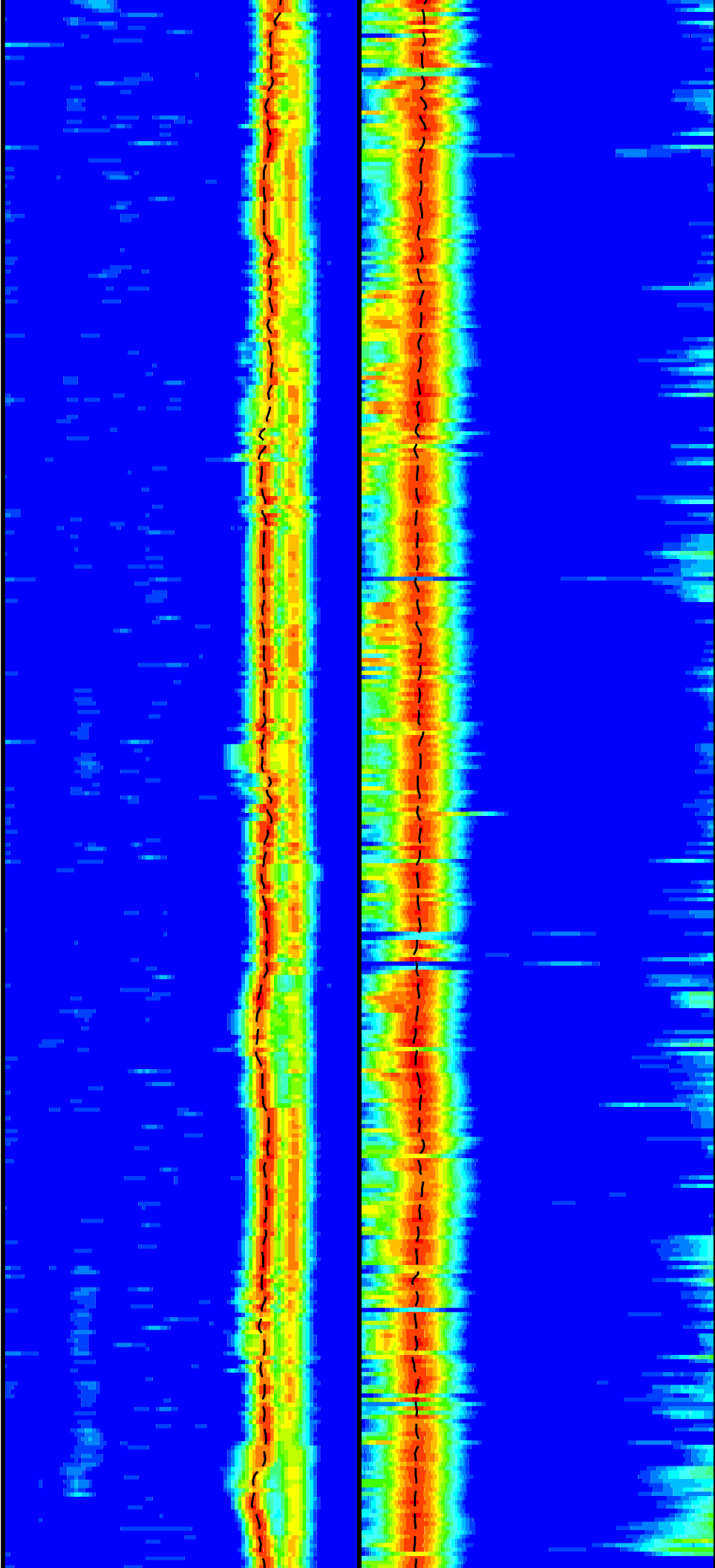
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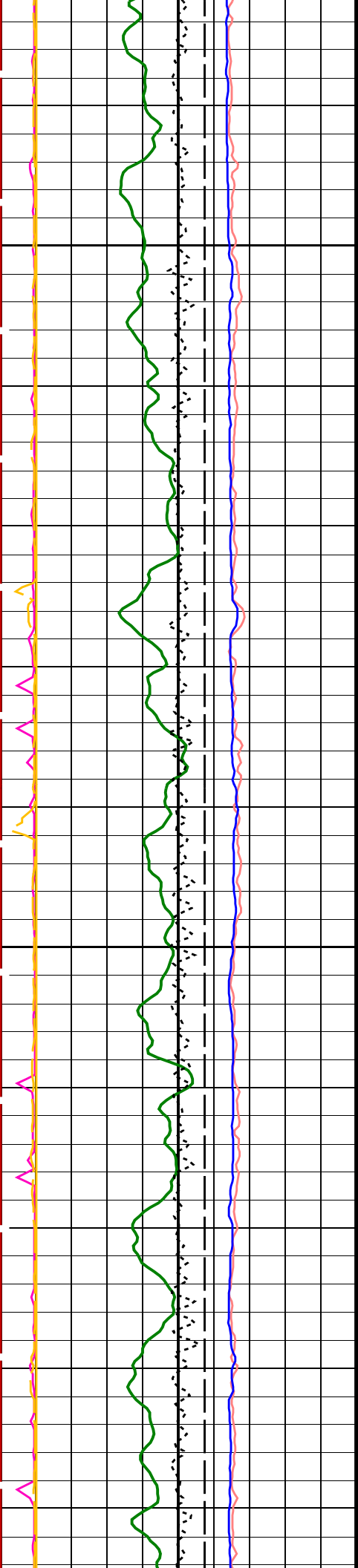




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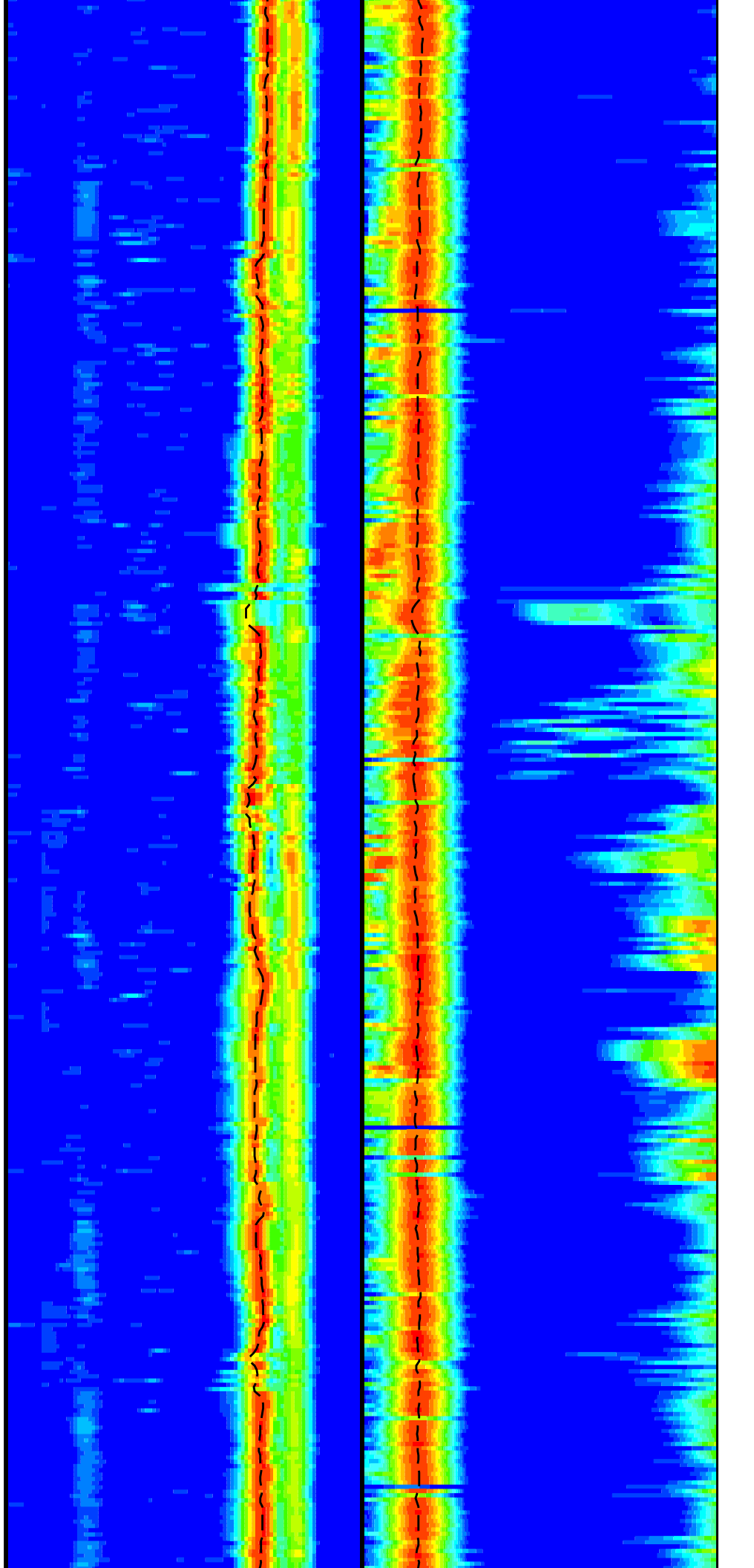
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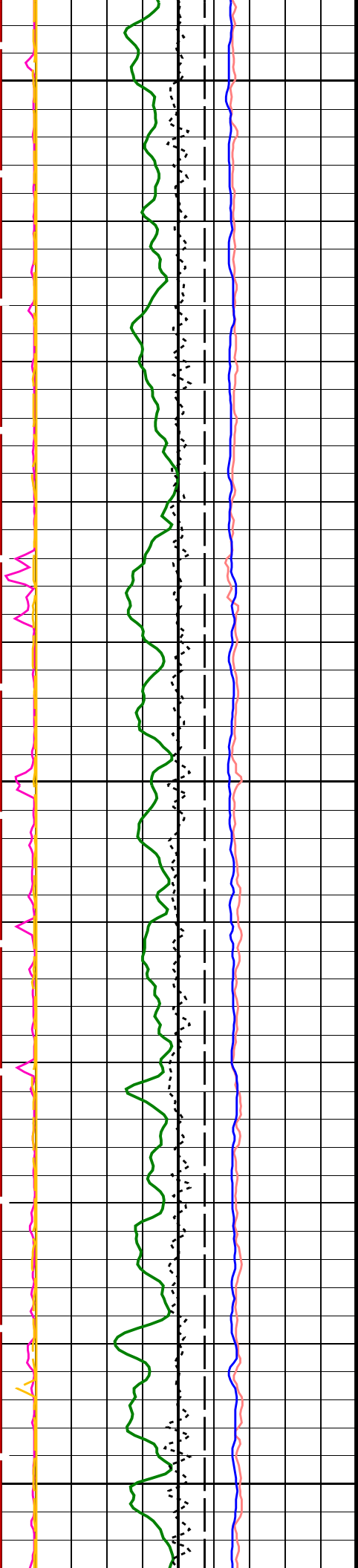




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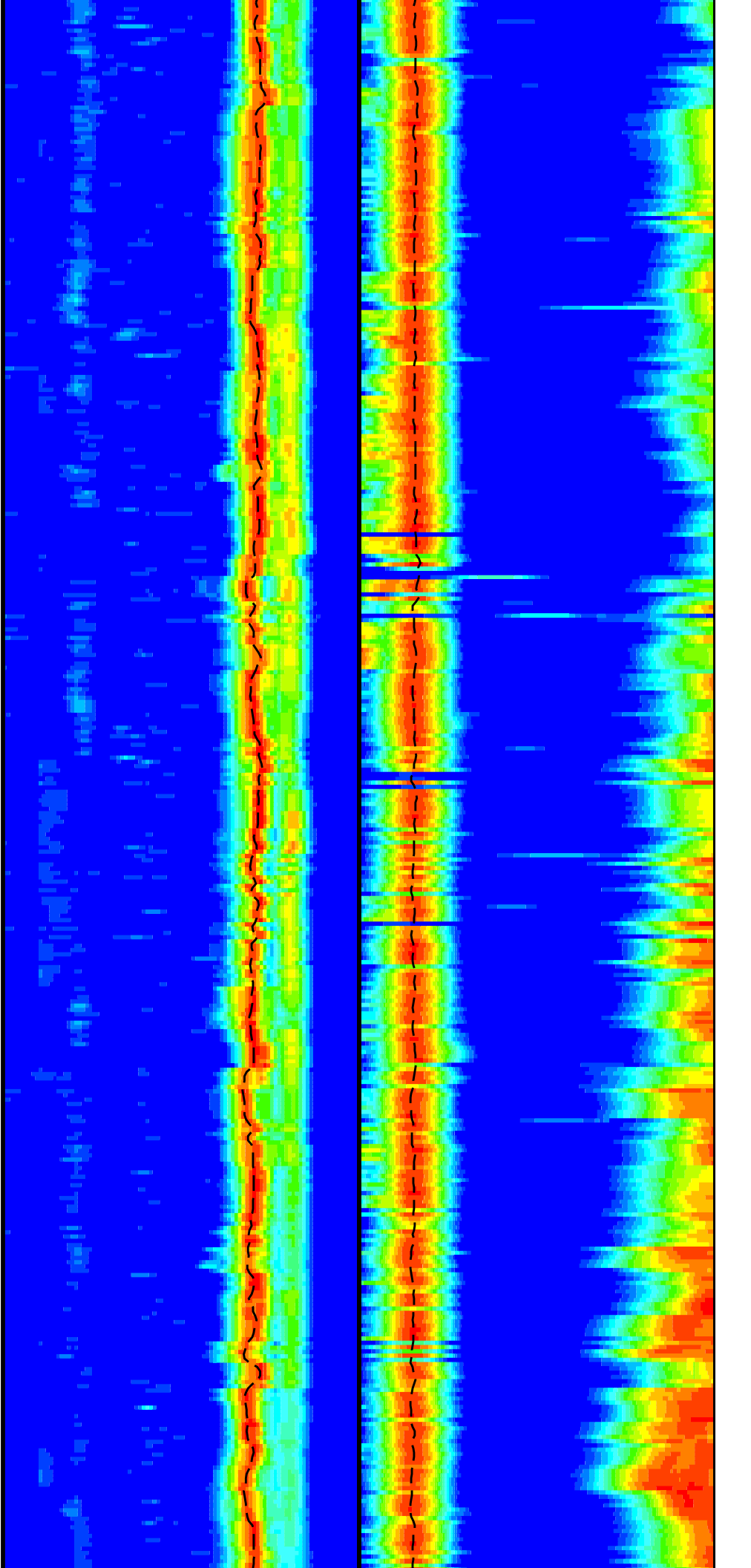


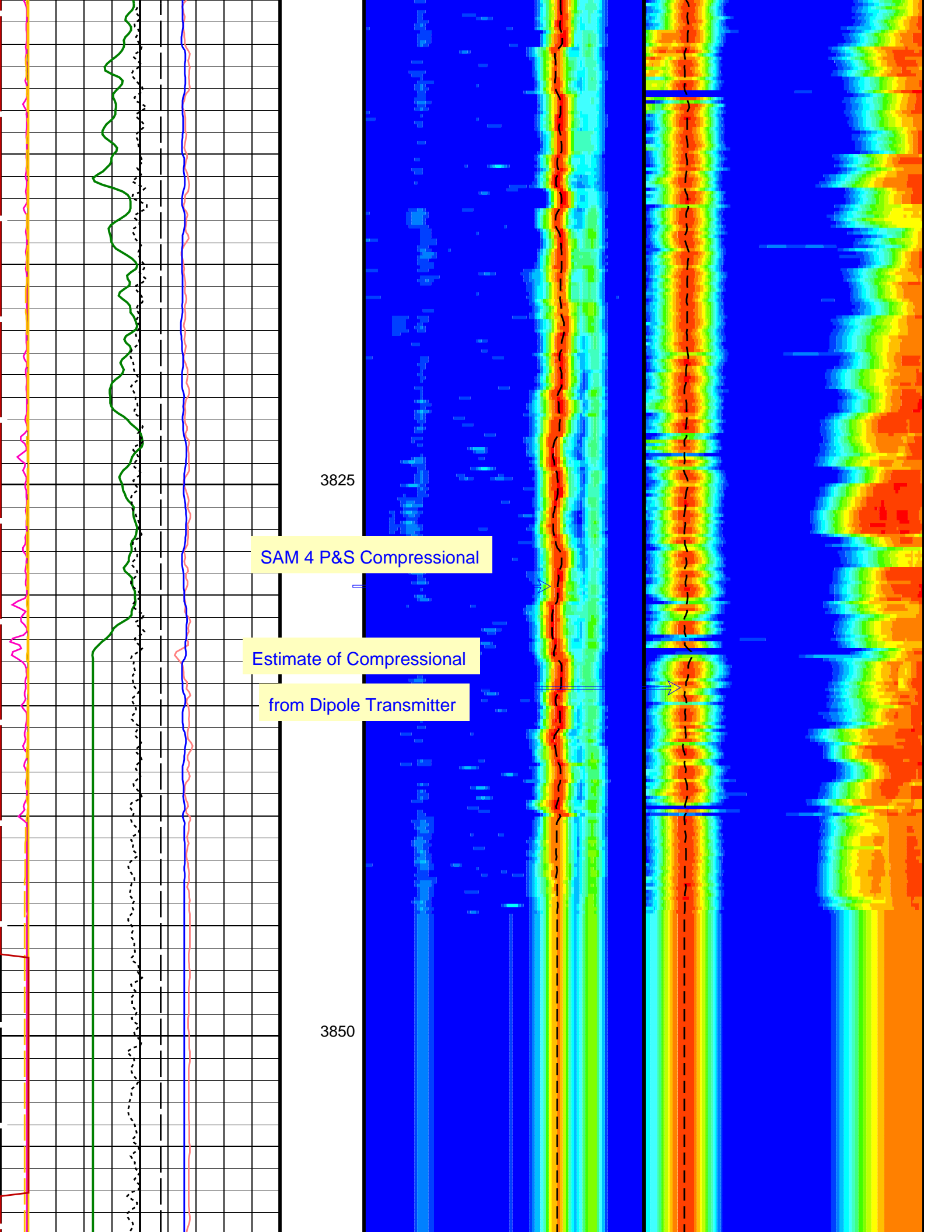


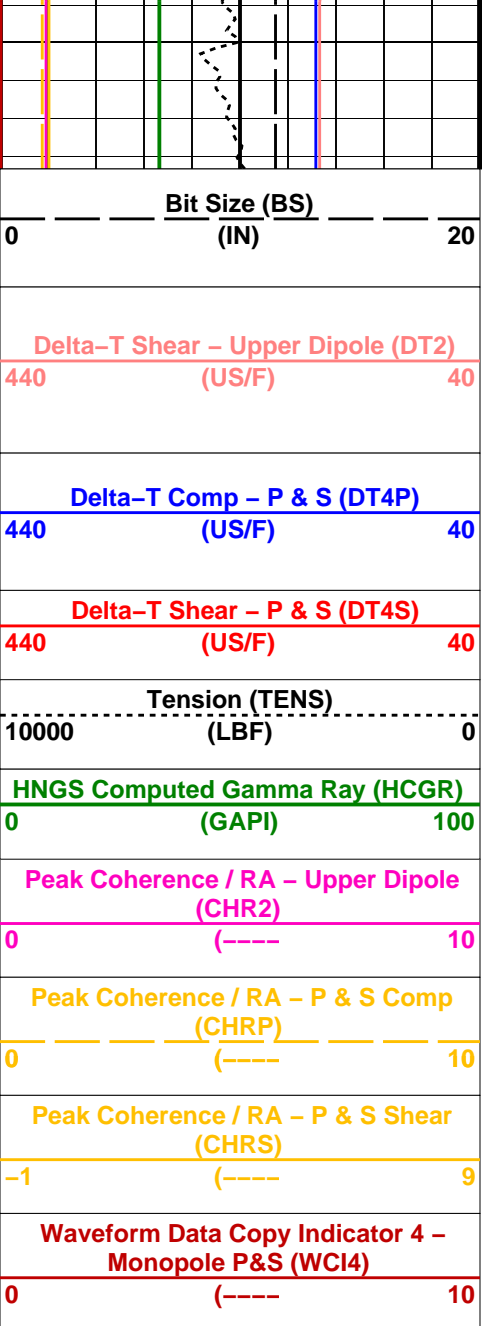
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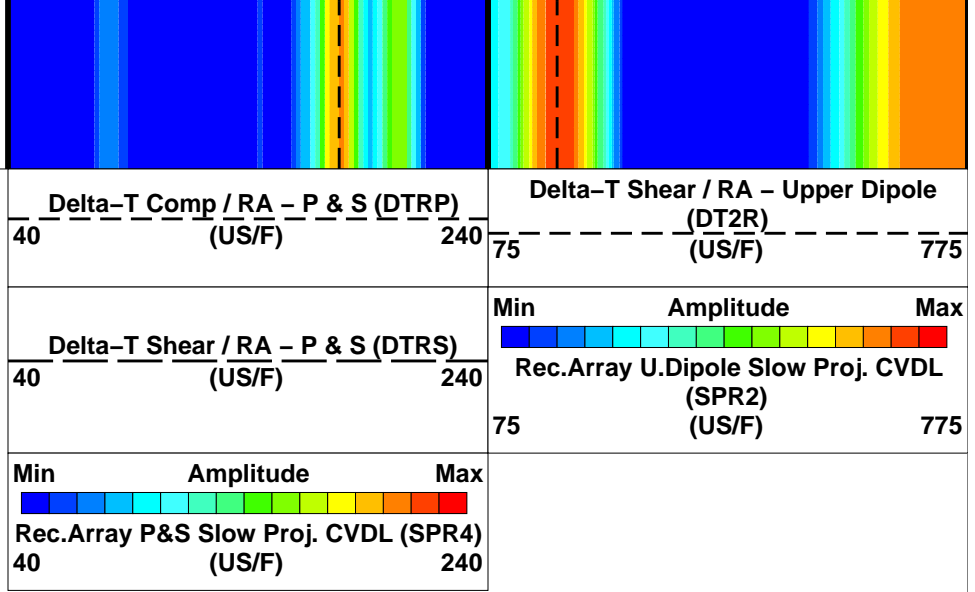
3800







-TD-



Playback of Uplog #2 File 19

Reprocessing Dipole Shear to Estimate 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	40 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 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

MCS	Mean Casing Slowness	37	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
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM4	Waveform Mode 4	W1	
HNCS–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	-0.00326979	
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	0.967773	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.962066	

System and Miscellaneous

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:27	PRODUCER	01-Mar-2010 21:36	3863.3 M	3433.6 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_024PUP	FN:32	PRODUCER	04-Mar-2010 16:54
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Input DLIS Files

DEFAULT	FMS_DSI_NGS_018LUP	FN:26	PRODUCER	01-Mar-2010 20:56	3863.3 M	3613.6 M
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Output DLIS Files

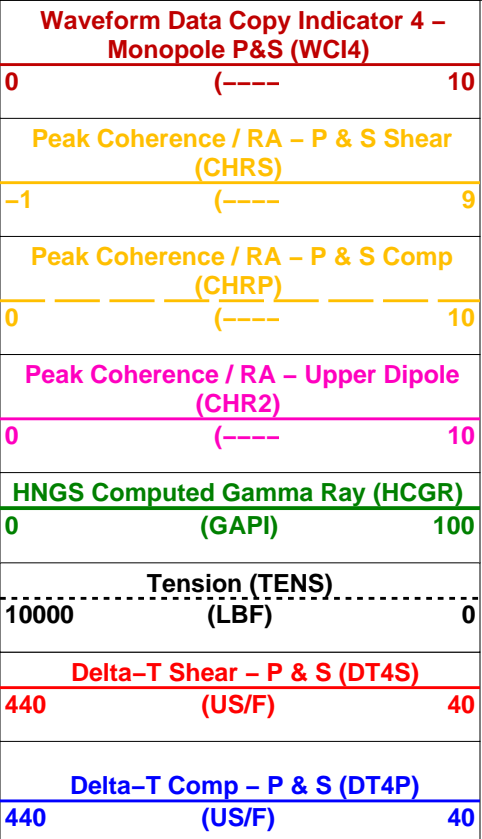
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OP System Version: 17C0-154

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

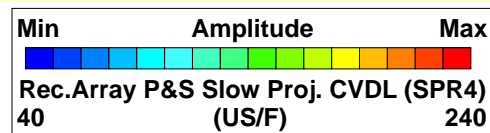
PIP SUMMARY

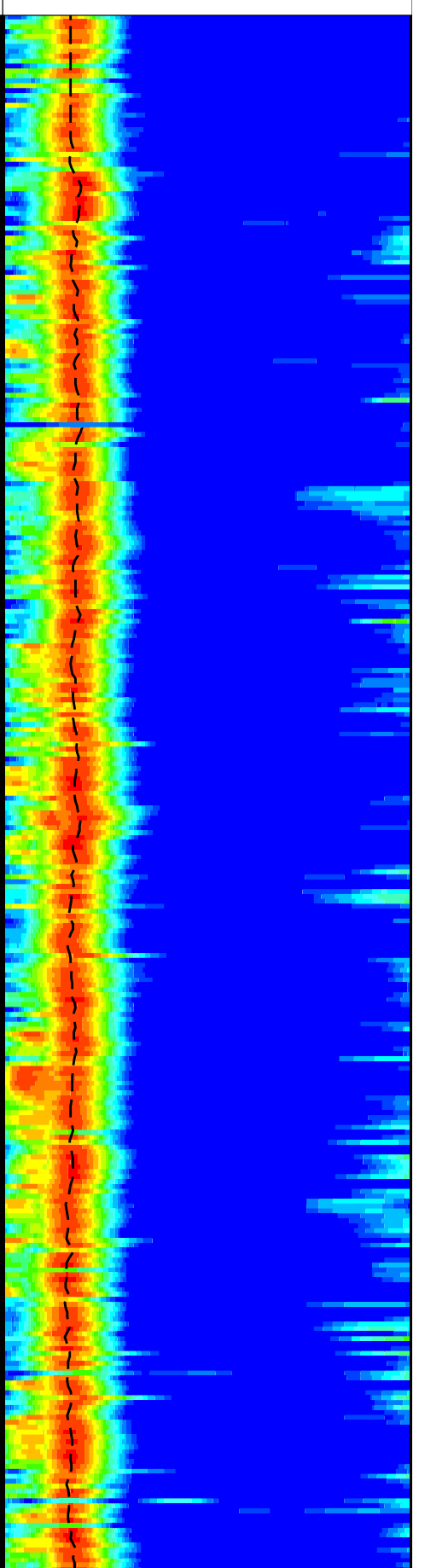
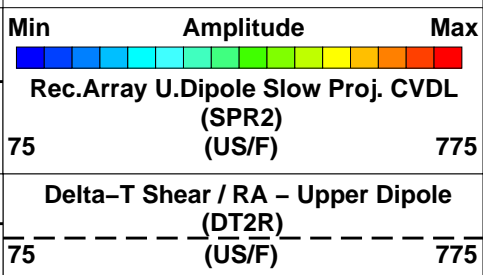
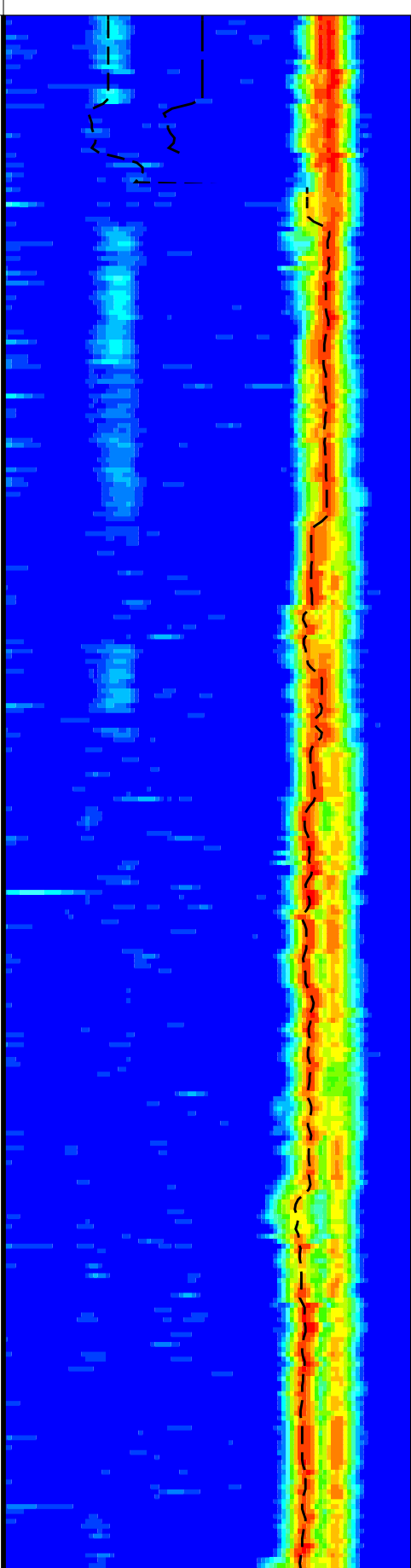
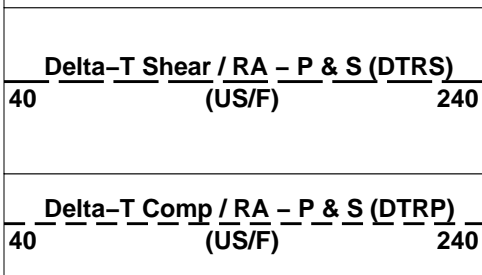
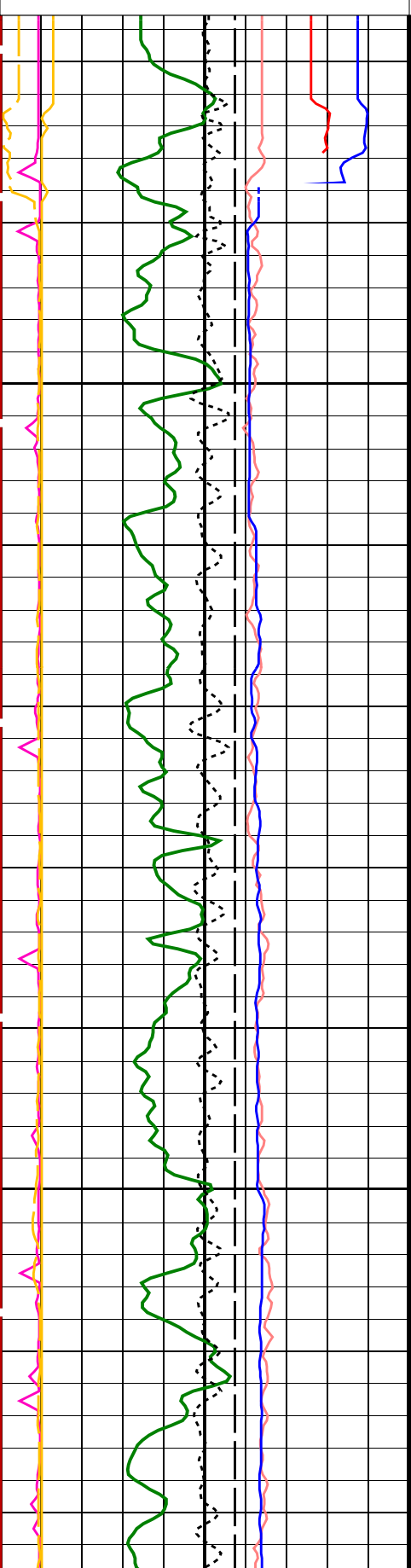
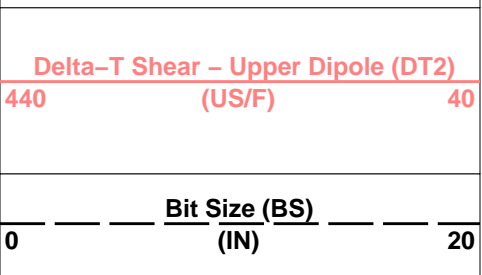
Time Mark Every 60 S

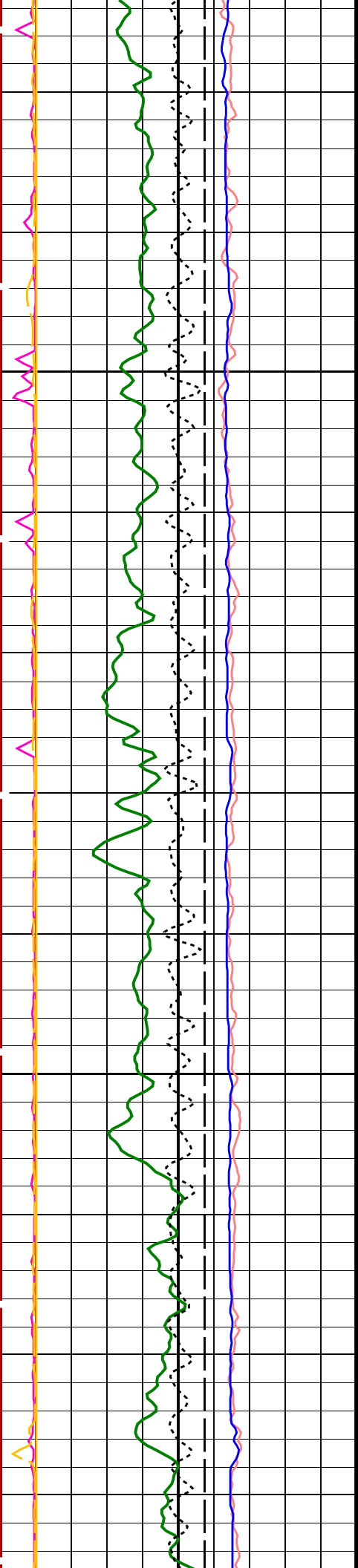


Playback of Uplog #1 File 18

Reprocessing DT Shear Upper dipole to approximate Compressional

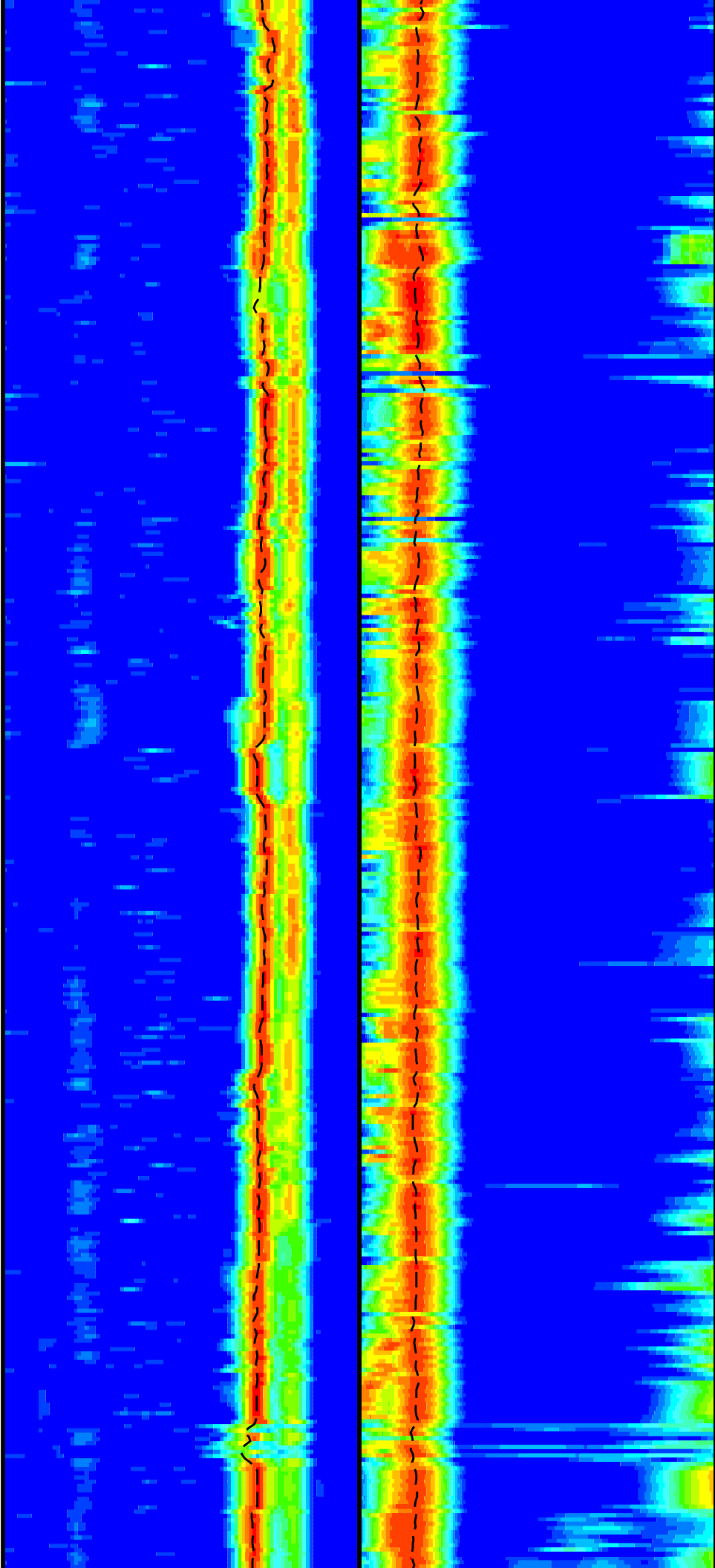


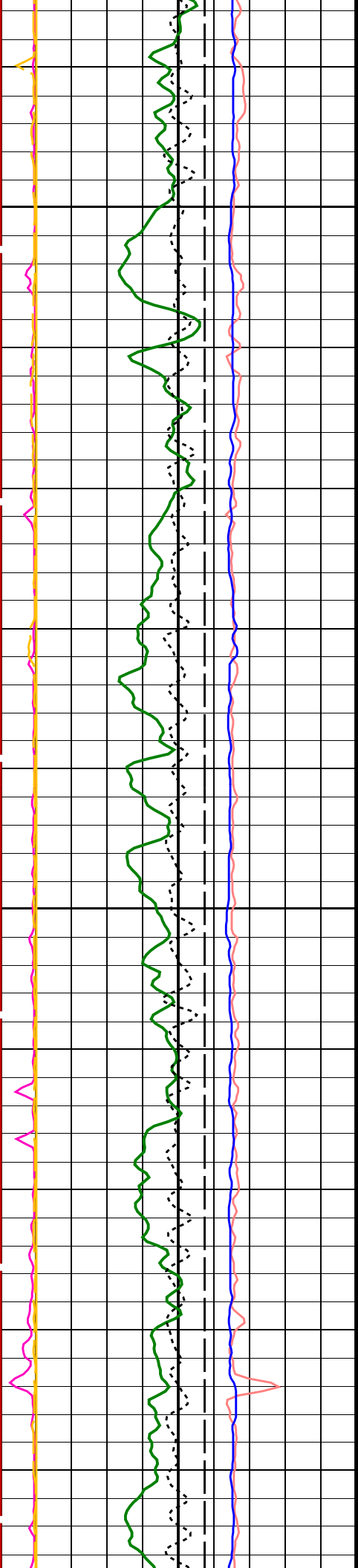




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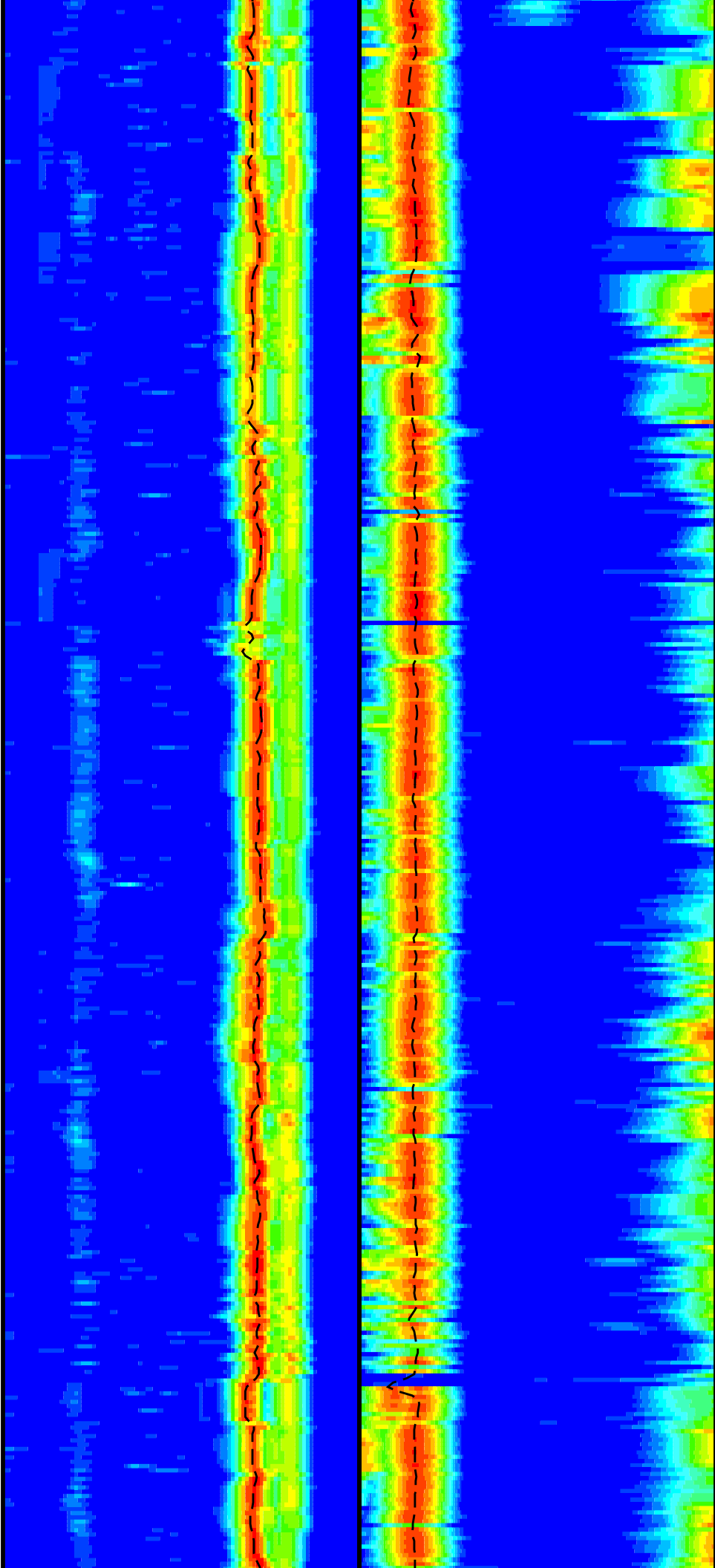
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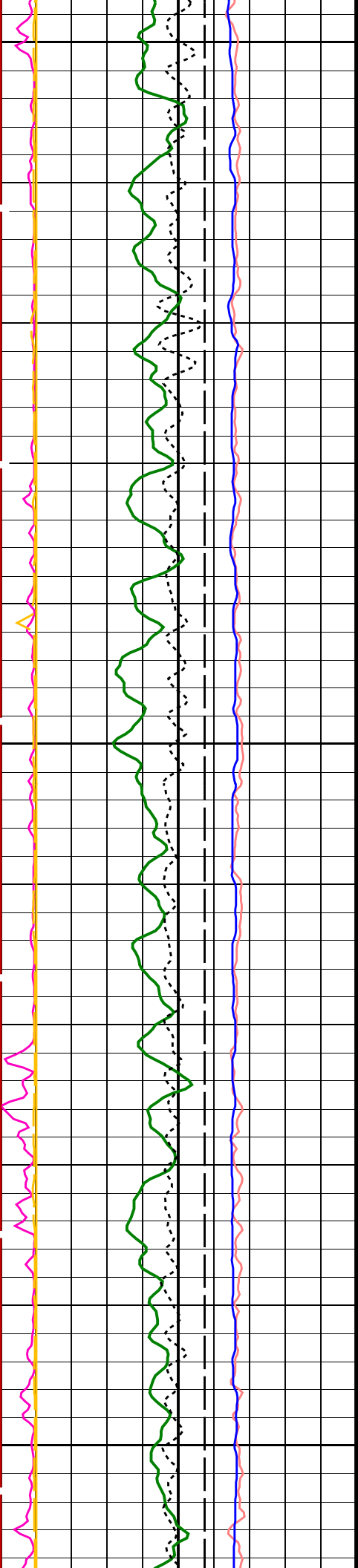




3725

3750

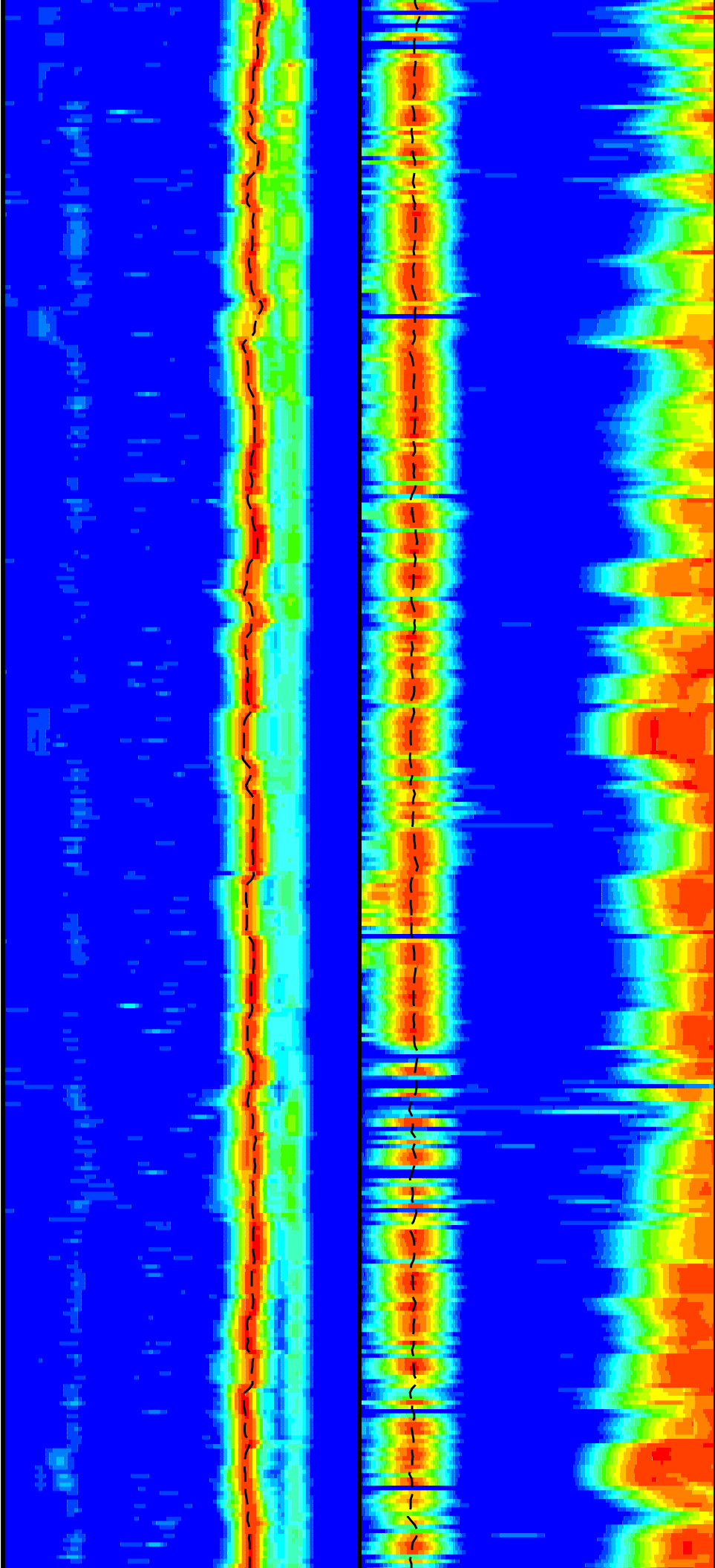


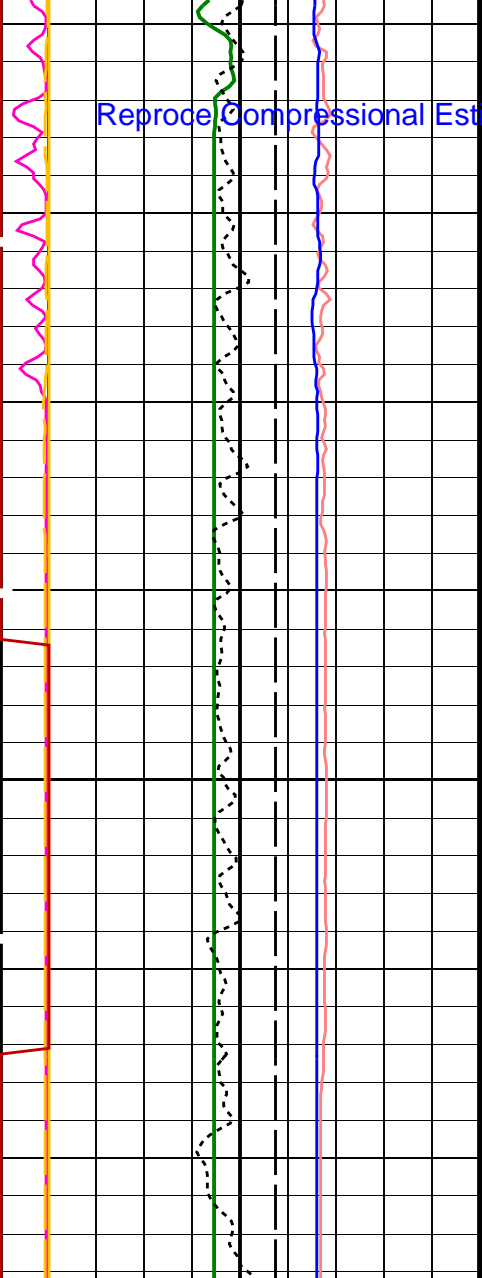


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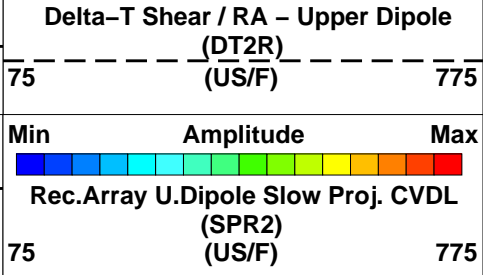
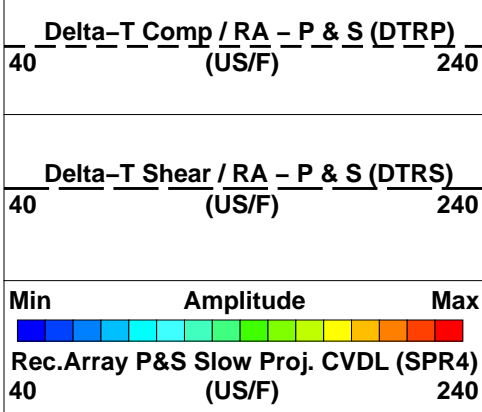
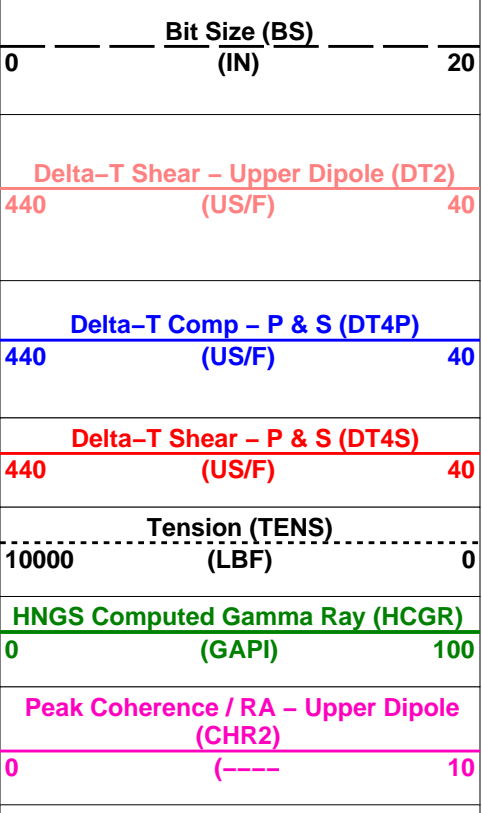
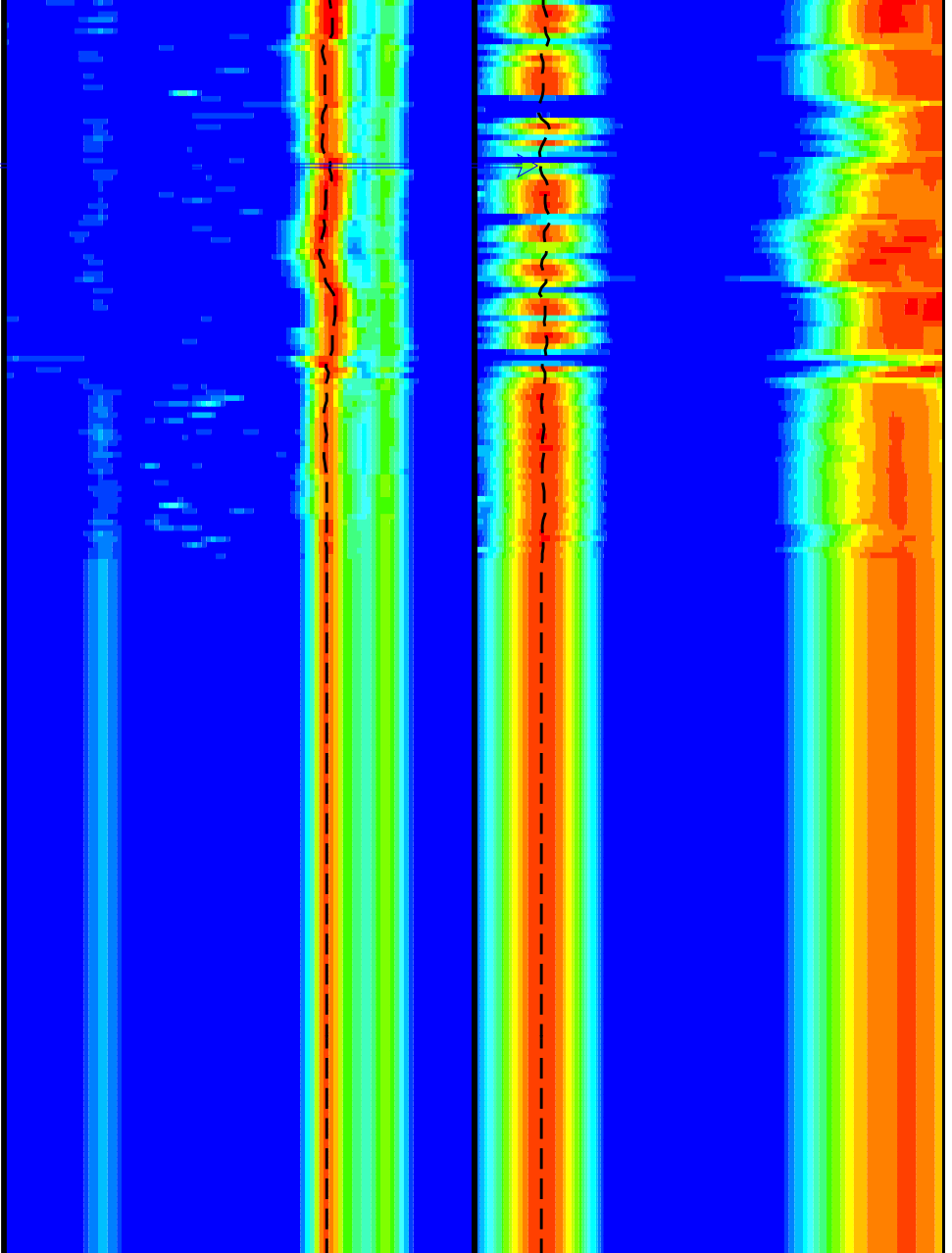
3800

3825





3850



Playback of Ulog #1 File 18

Reprocessing DT Shear Upper dipole to approximate Compressional

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

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	40 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	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

STUL	Label Slowness Upper Limit - Monopole Stonerley	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	0.000333756	
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	0.969578	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.961988	
System and Miscellaneous			
BS	Bit Size	11.438	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: 04-Mar-2010 16:51

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_018LUP	FN:26	PRODUCER	01-Mar-2010 20:56	3863.3 M	3613.6 M
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Output DLIS Files

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Company: Lamont Doherty Well: Expedition 318 Site U1361A

Output DLIS Files

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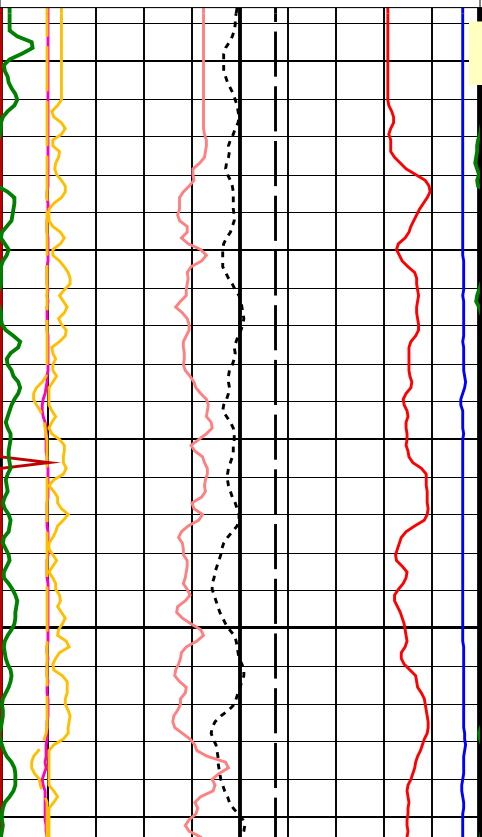
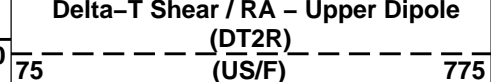
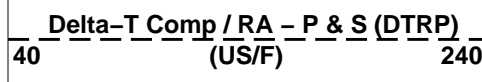
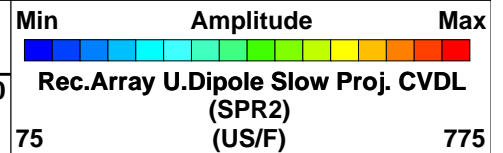
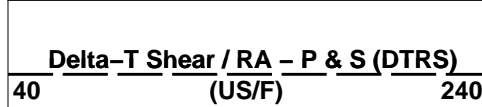
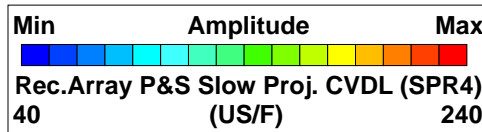
OP System Version: 17C0-154

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

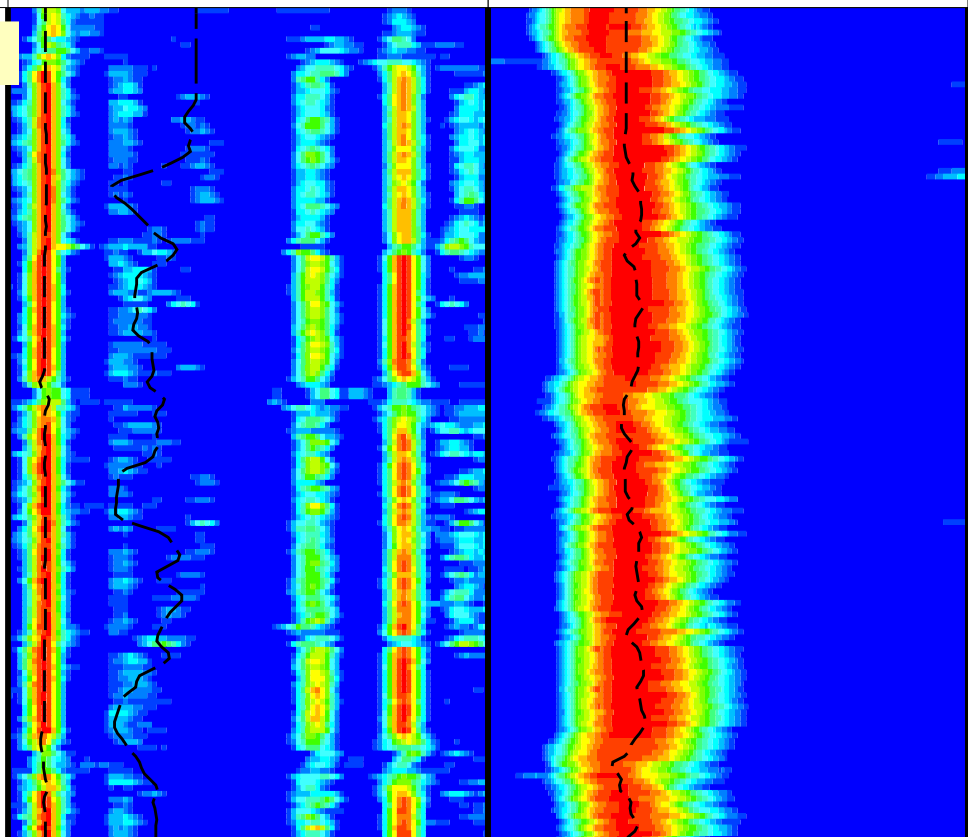
PIP SUMMARY

Time Mark Every 60 S

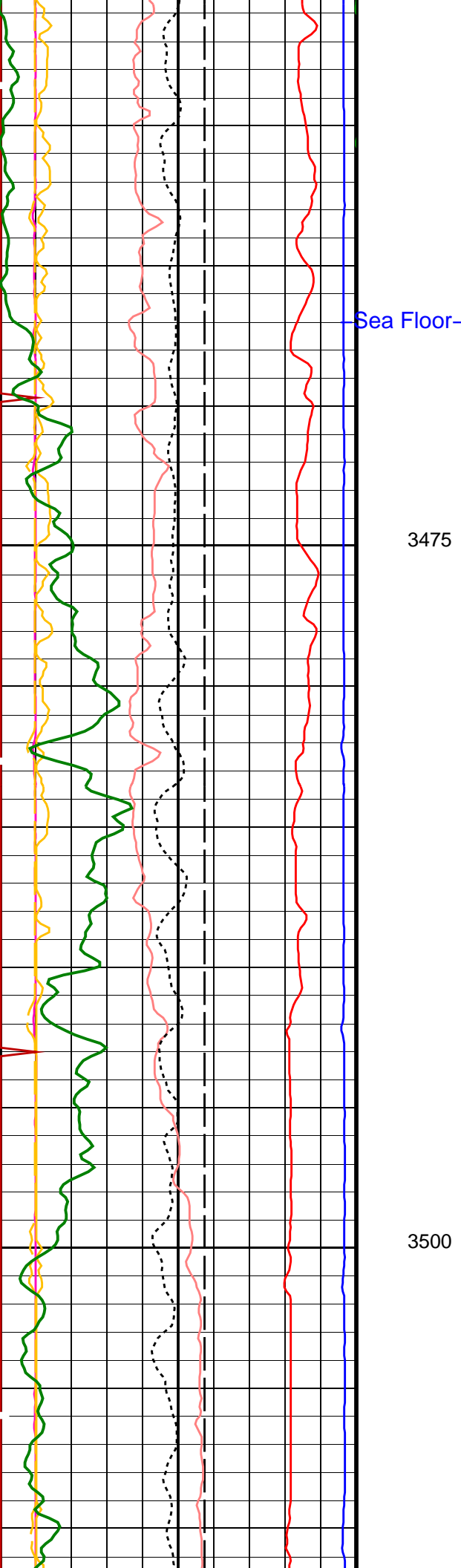
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0	(----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / RA – P & S Comp (CHRP)		
0	(----)	10
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(----)	10
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	100
Tension (TENS)		
10000	(LBF)	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



Uplog #2

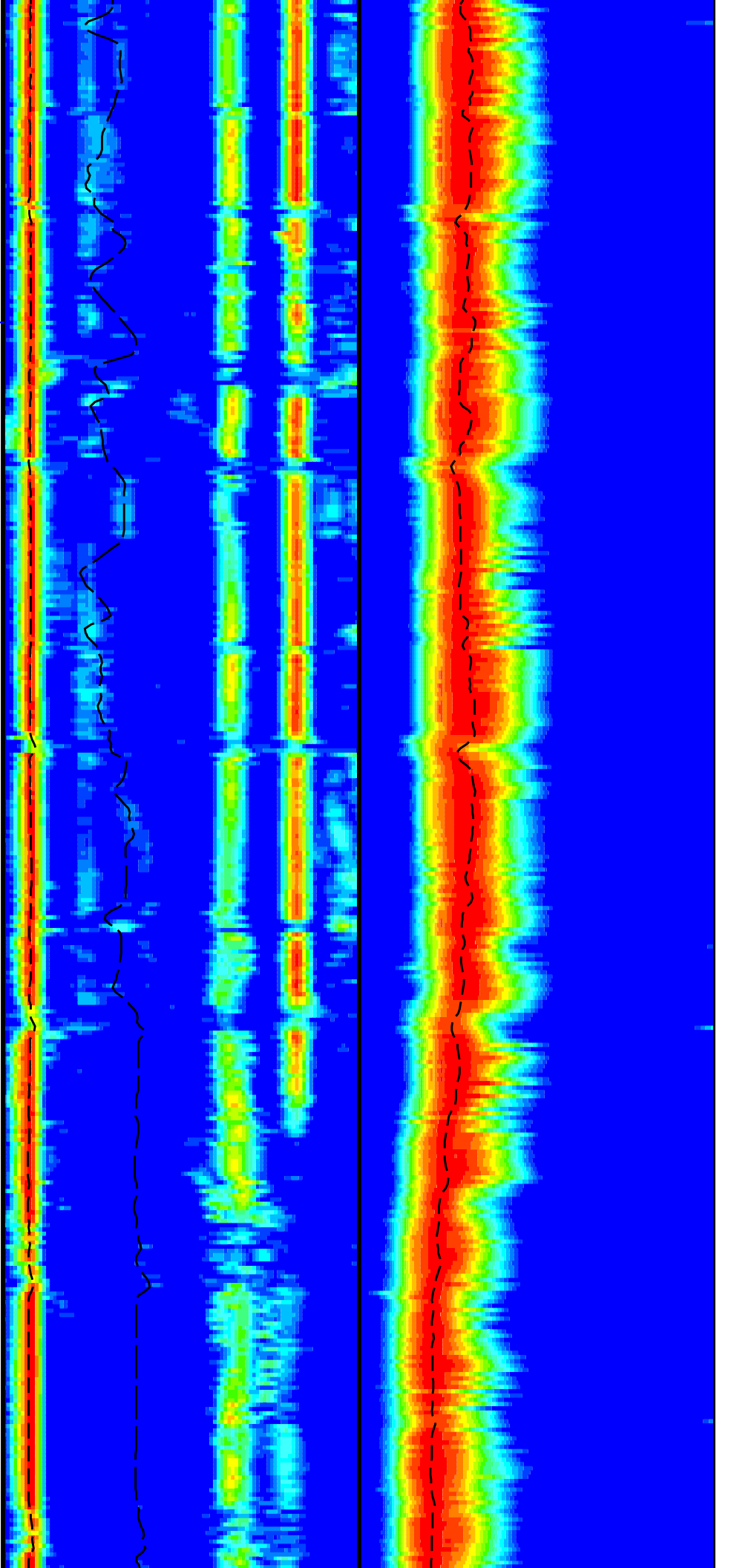


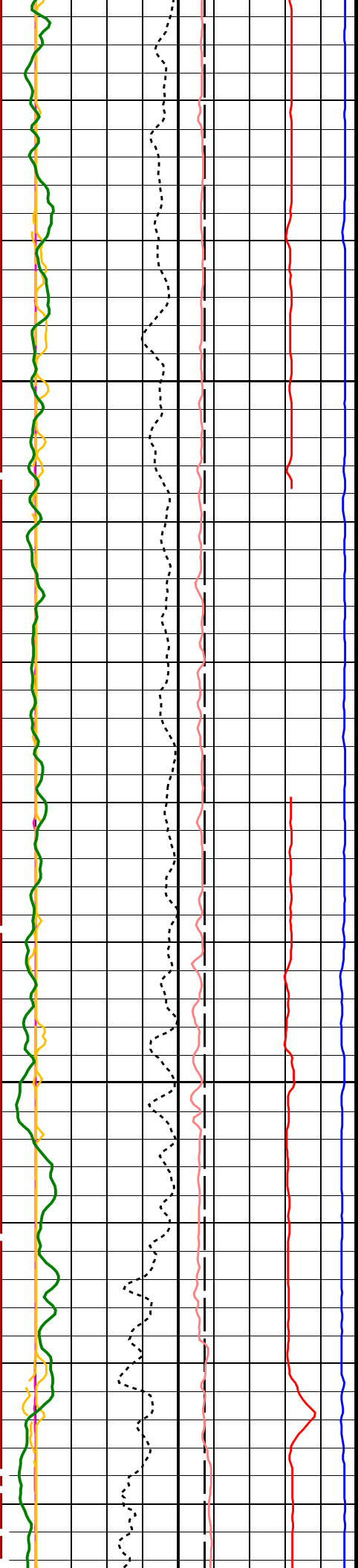
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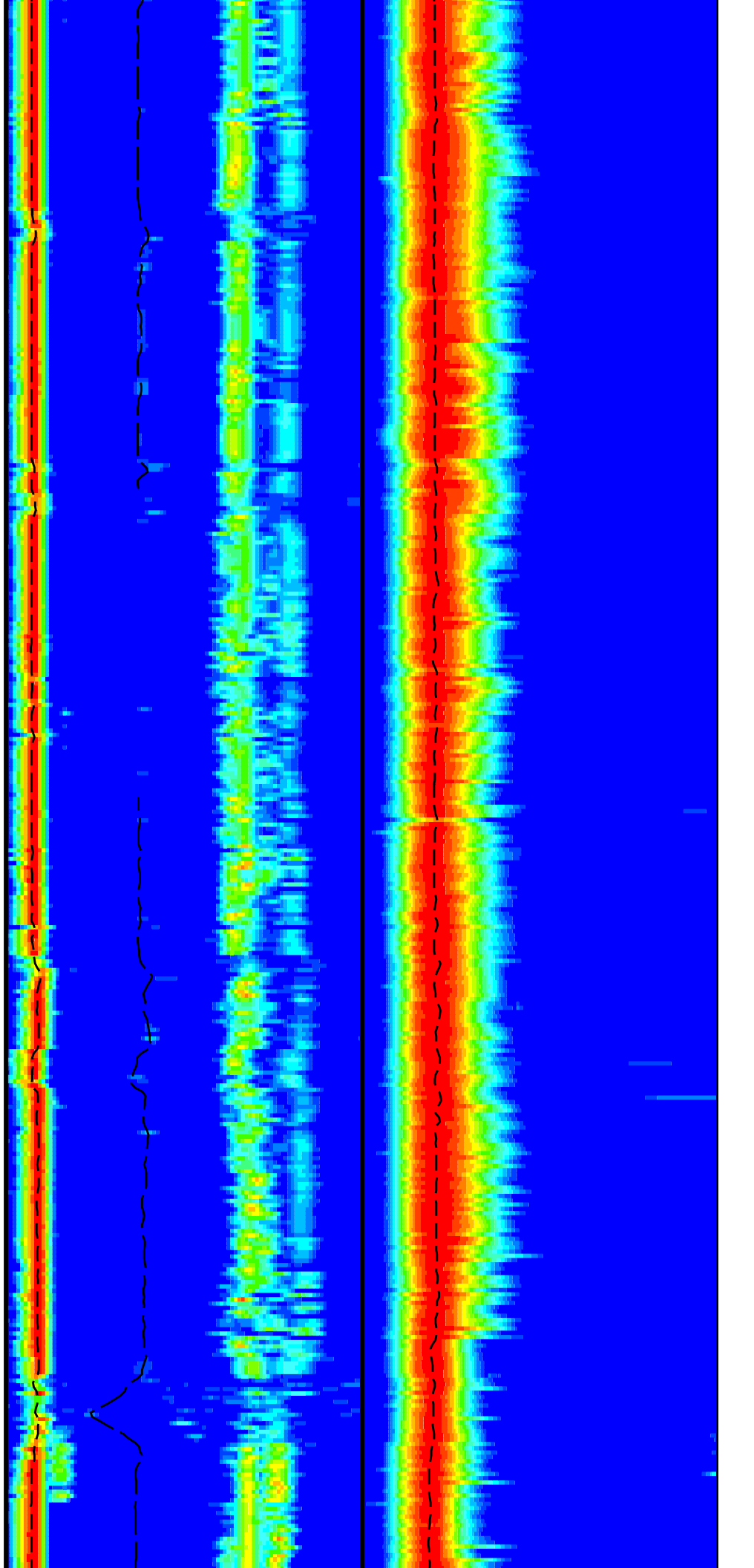
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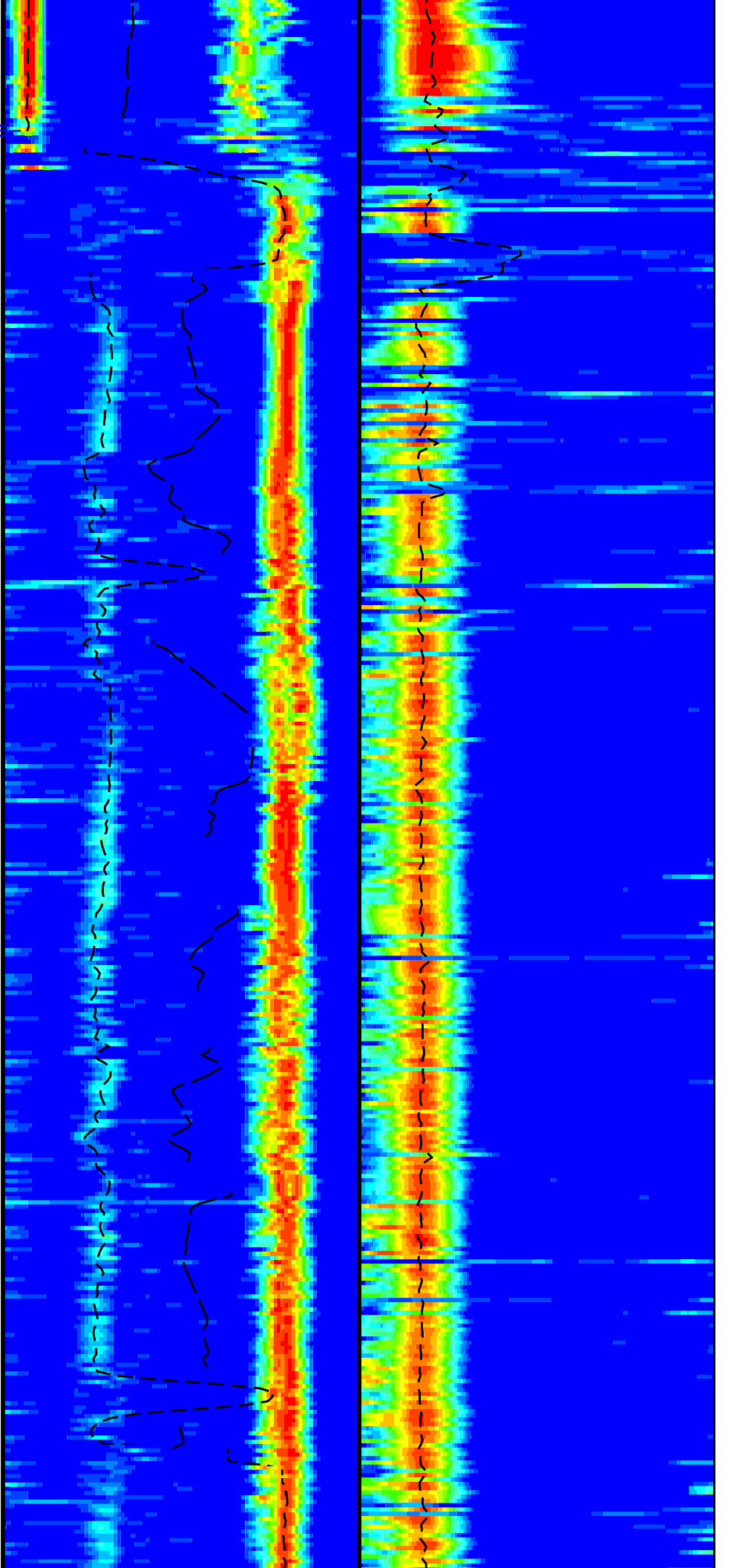
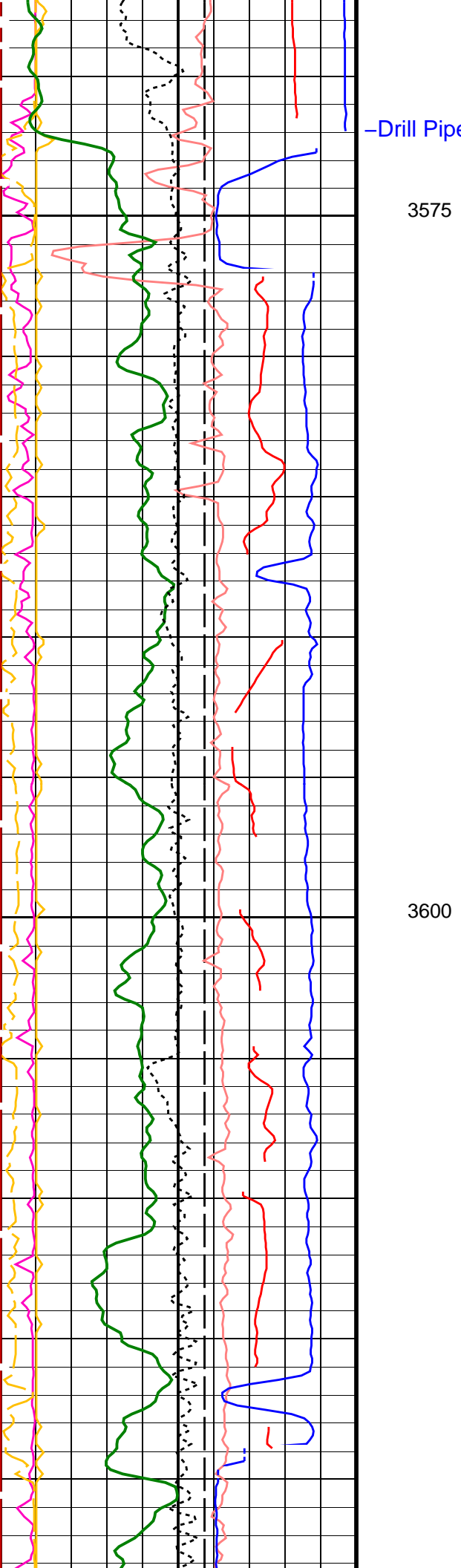


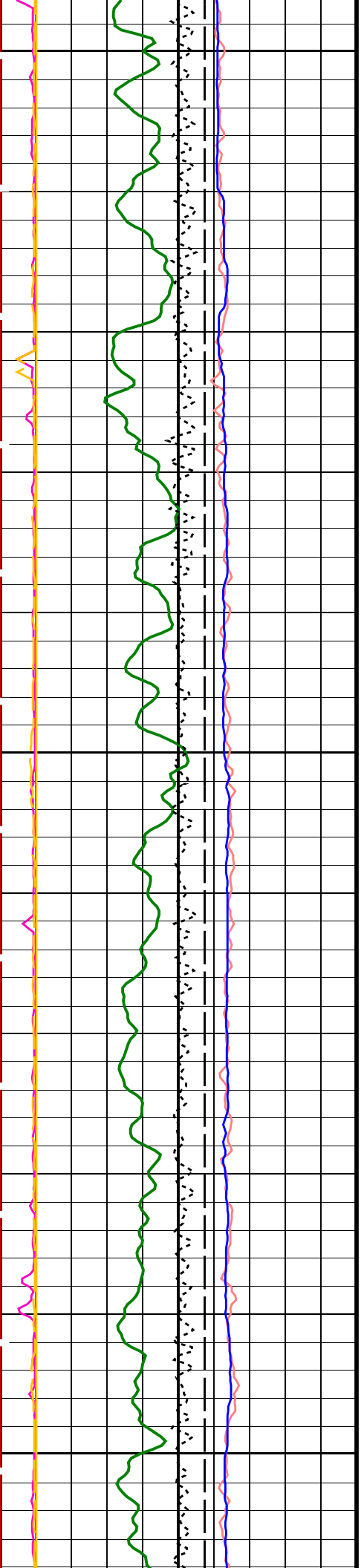


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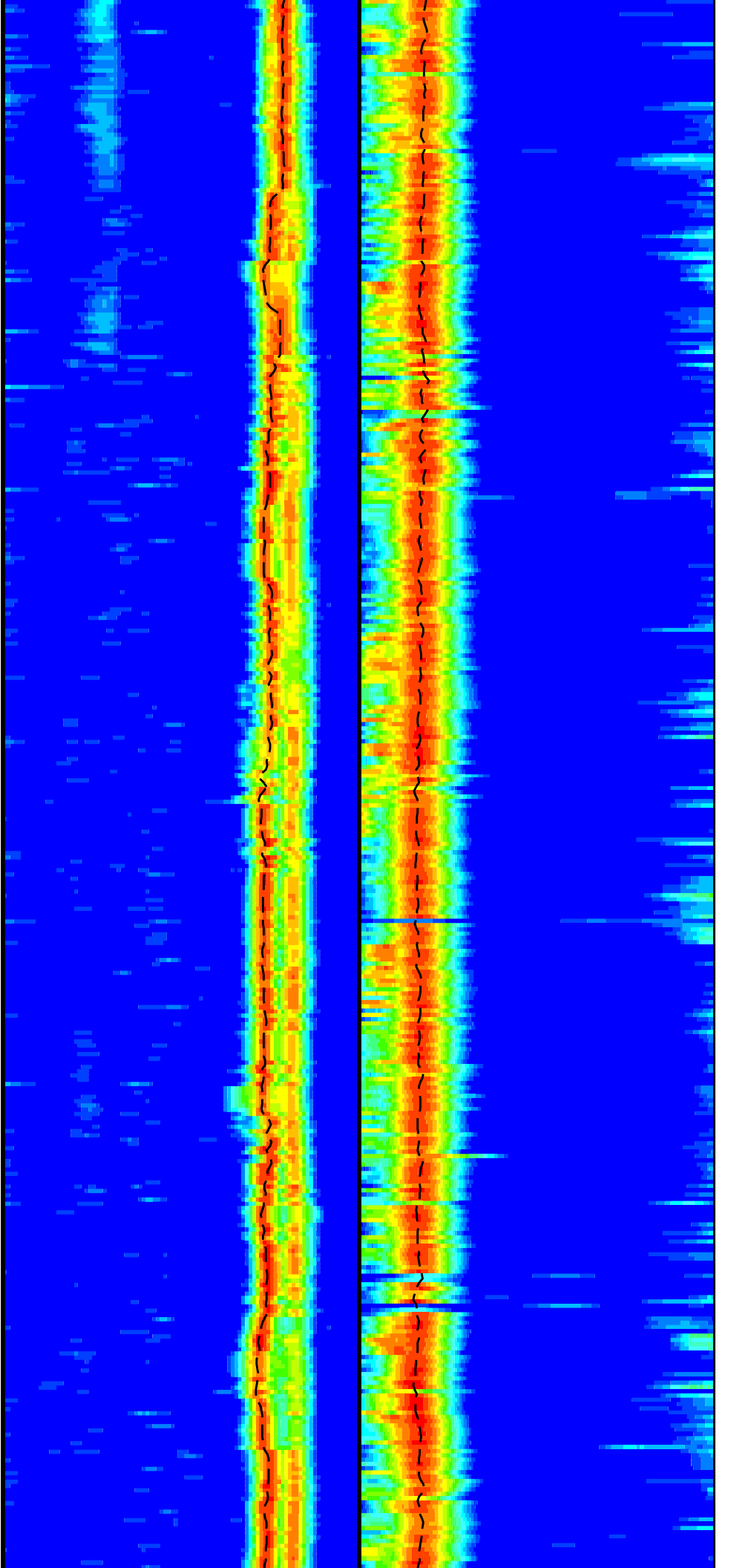


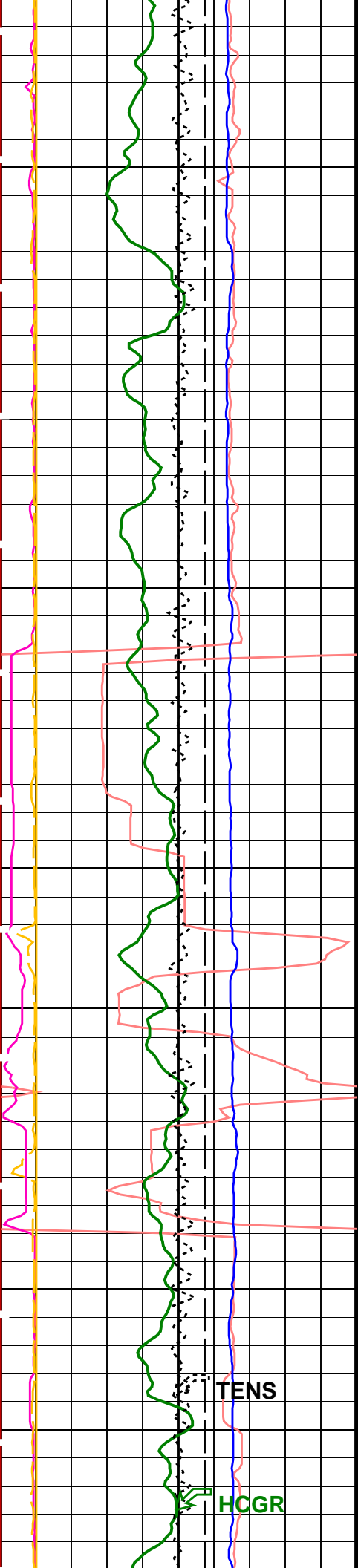


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3650

3675



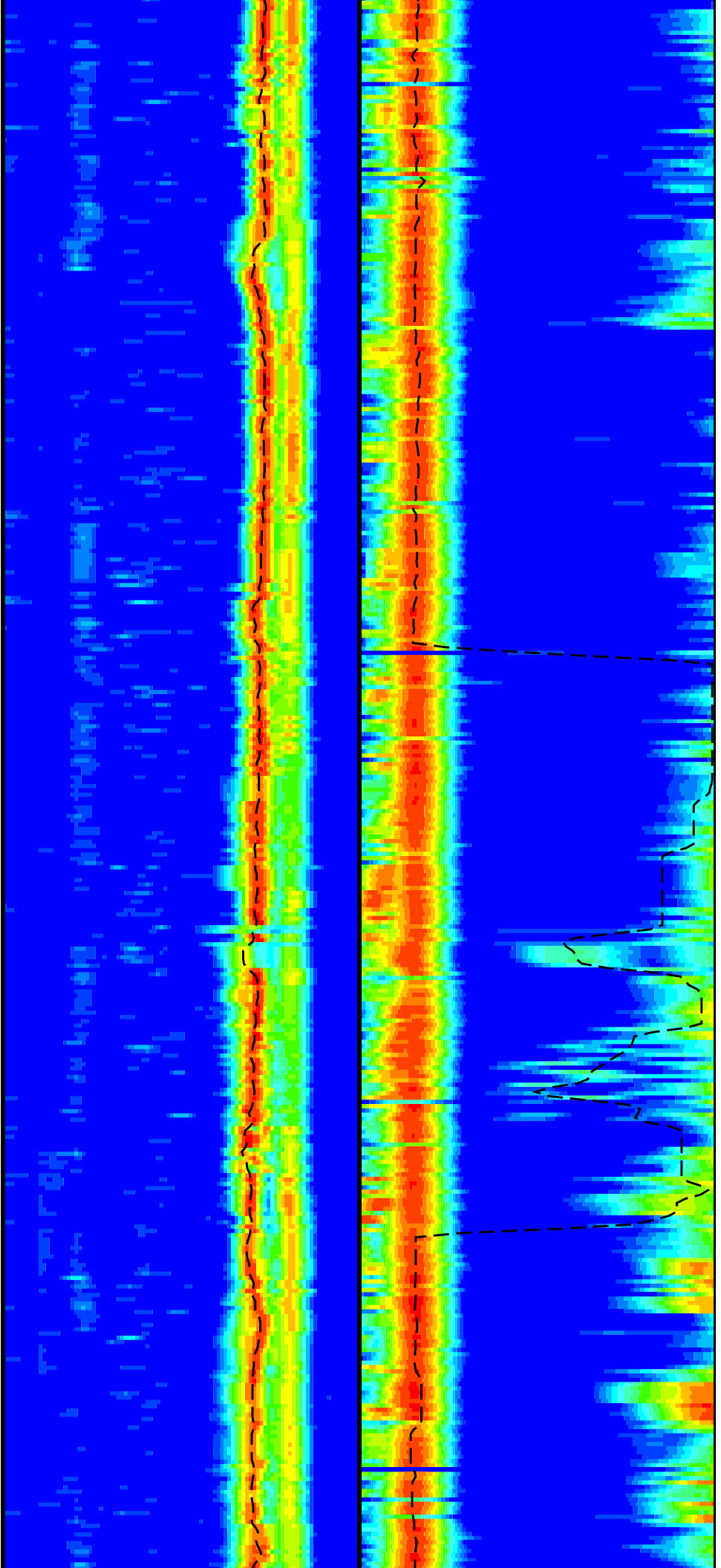


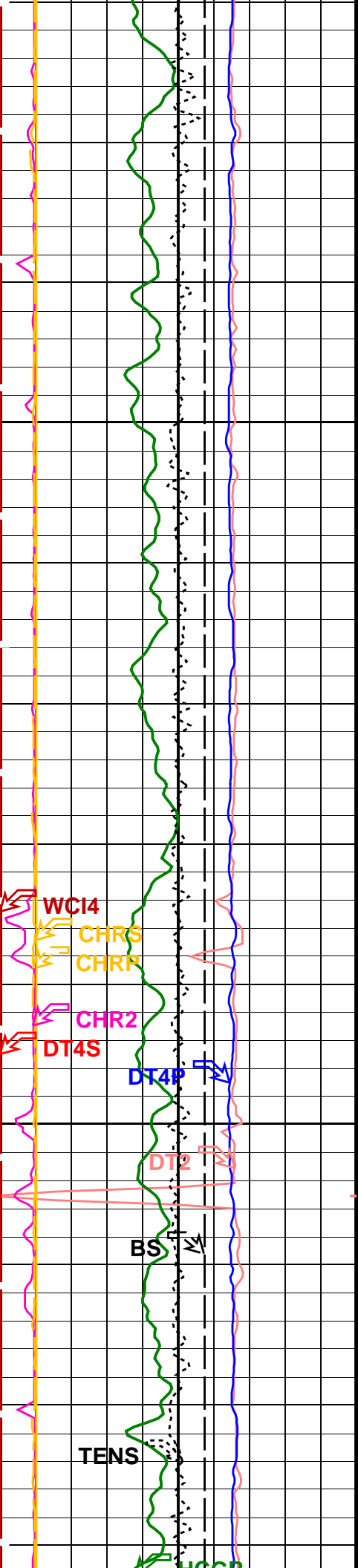
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3725

TENS

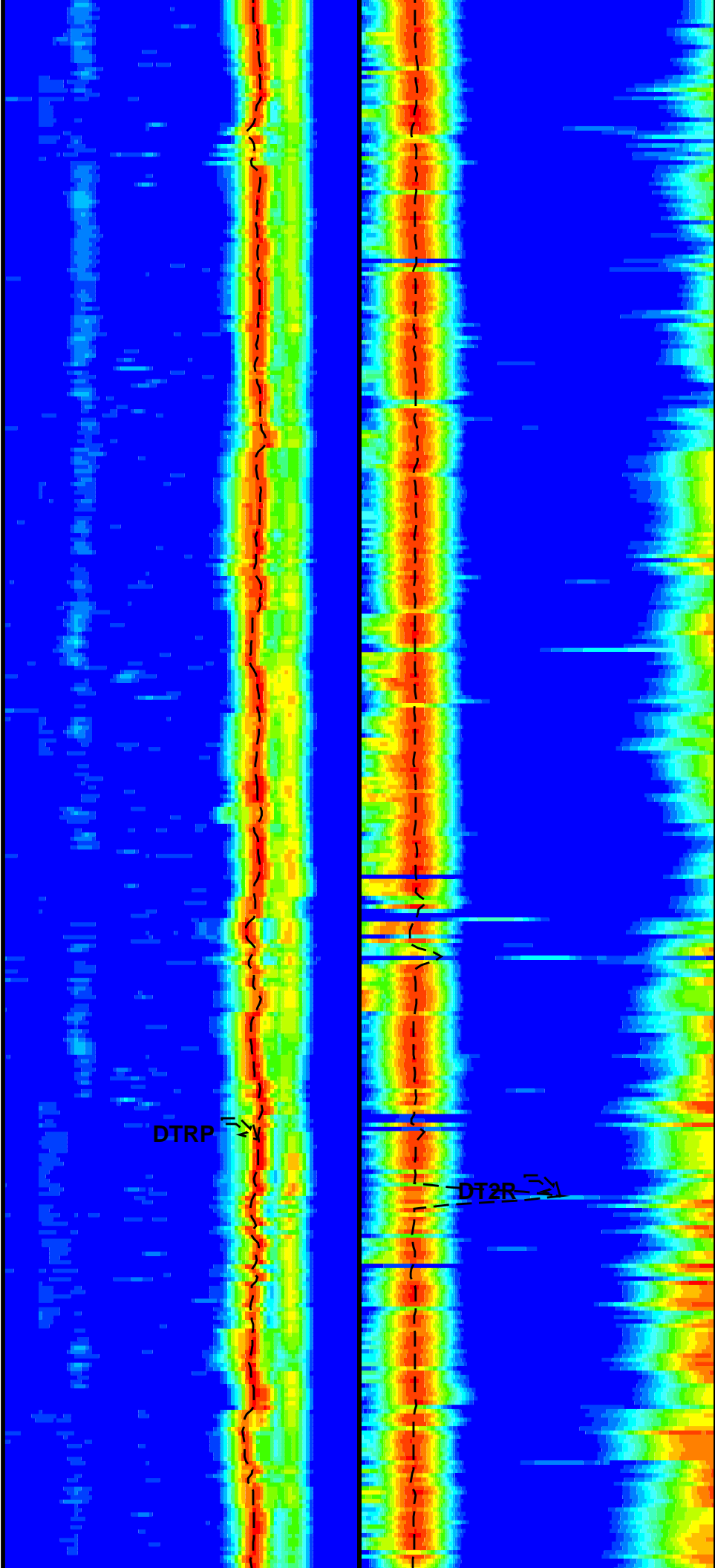
HCGR





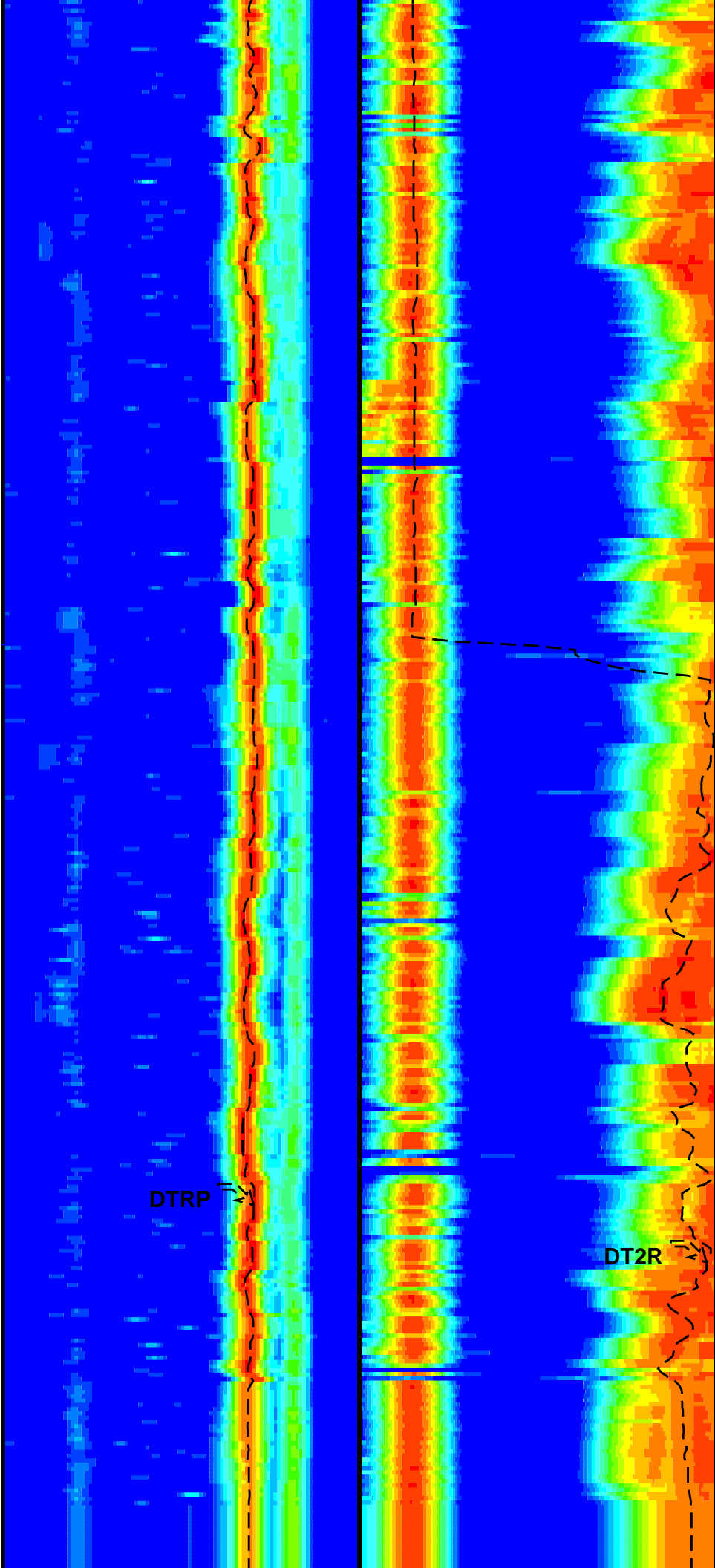
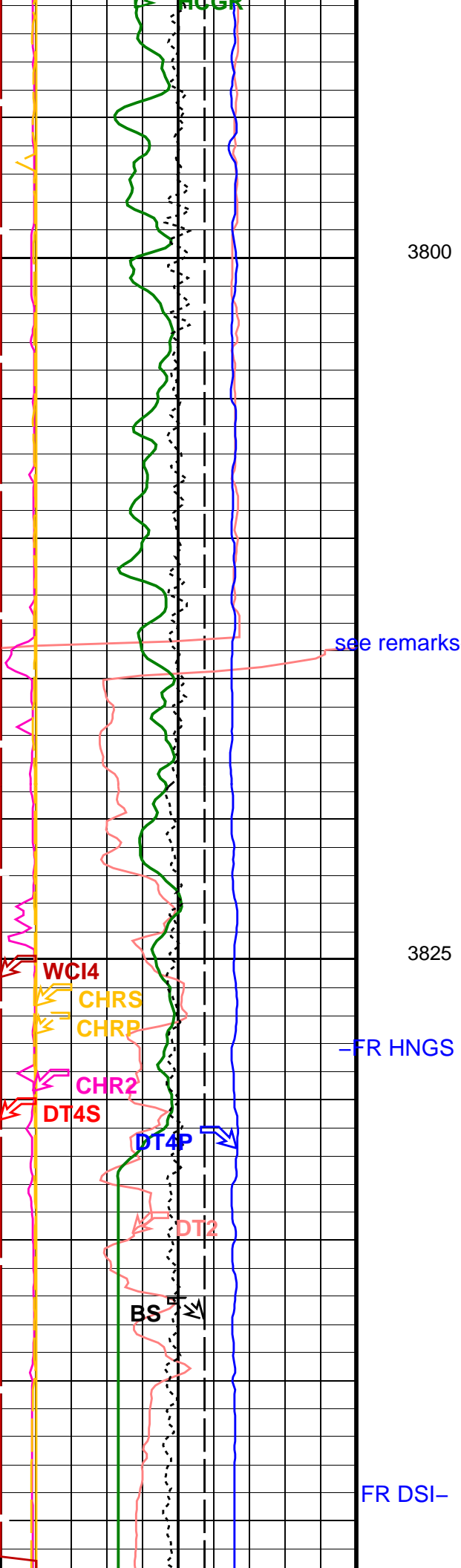
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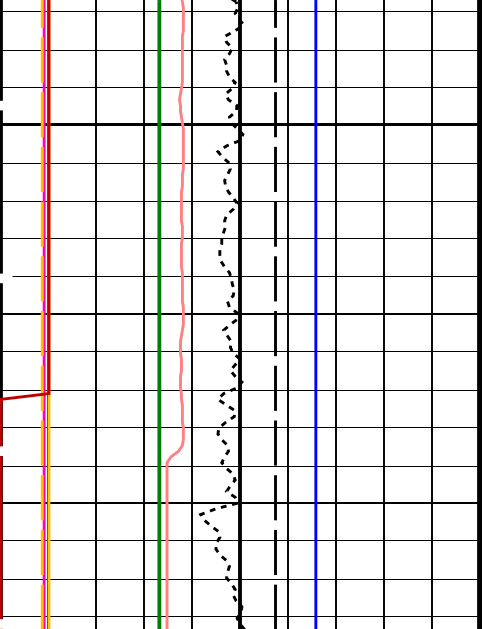
DTRP

DT2R



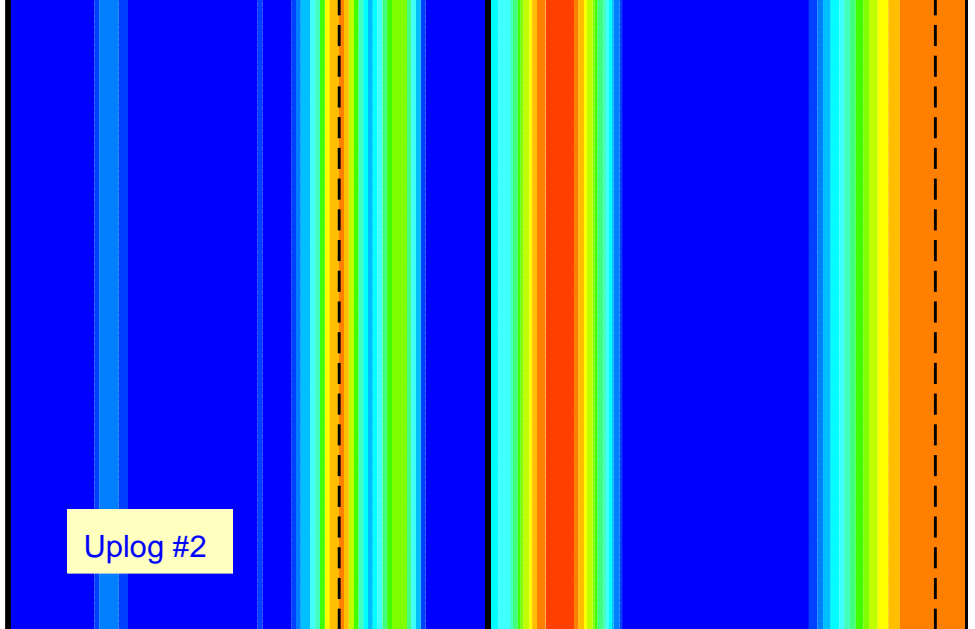
-FR HNGS

FR DSI-



3850

-TD-



Bit Size (BS)		
0	(IN)	20
Delta-T Shear - Upper Dipole (DT2)		
440	(US/F)	40
Delta-T Comp - P & S (DT4P)		
440	(US/F)	40
Delta-T Shear - P & S (DT4S)		
440	(US/F)	40
Tension (TENS)		
10000	(LBF)	0
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	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)		
40	(US/F)	240
Delta-T Shear / RA - P & S (DTRS)		
40	(US/F)	240
Min Amplitude Max		
Rec.Array P&S Slow Proj. CVDL (SPR4)		
40	(US/F)	240

Delta-T Shear / RA - Upper Dipole (DT2R)		
75	(US/F)	775
Min Amplitude Max		
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)		
75	(US/F)	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	40 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	75	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	775	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	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	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
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	Cutter Casing Outer Diameter	0	IN
CSW2	Inner 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	-0.00326979	
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	0.967773	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.962066	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.22	G/C3

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 01-Mar-2010 21:36

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			
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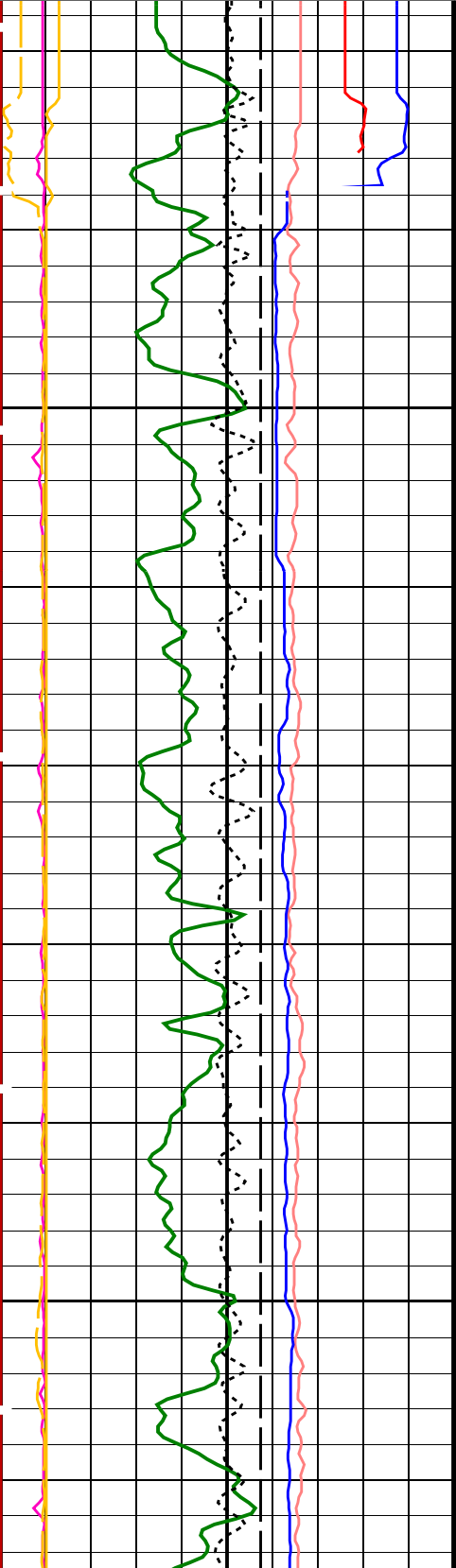
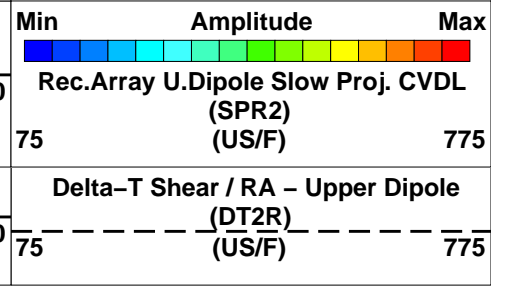
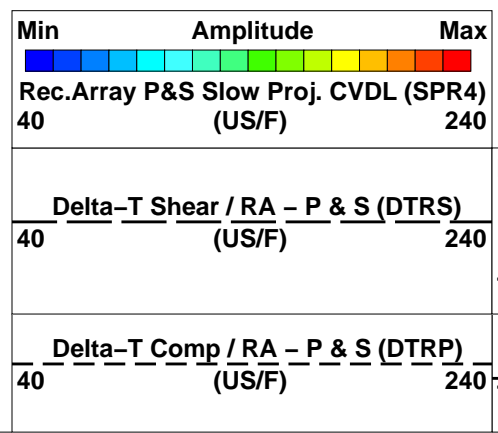
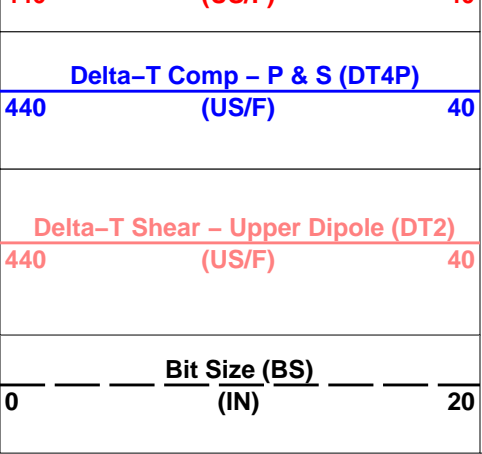
Company: Lamont Doherty Well: Expedition 318 Site U1361A

Output DLIS Files			
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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

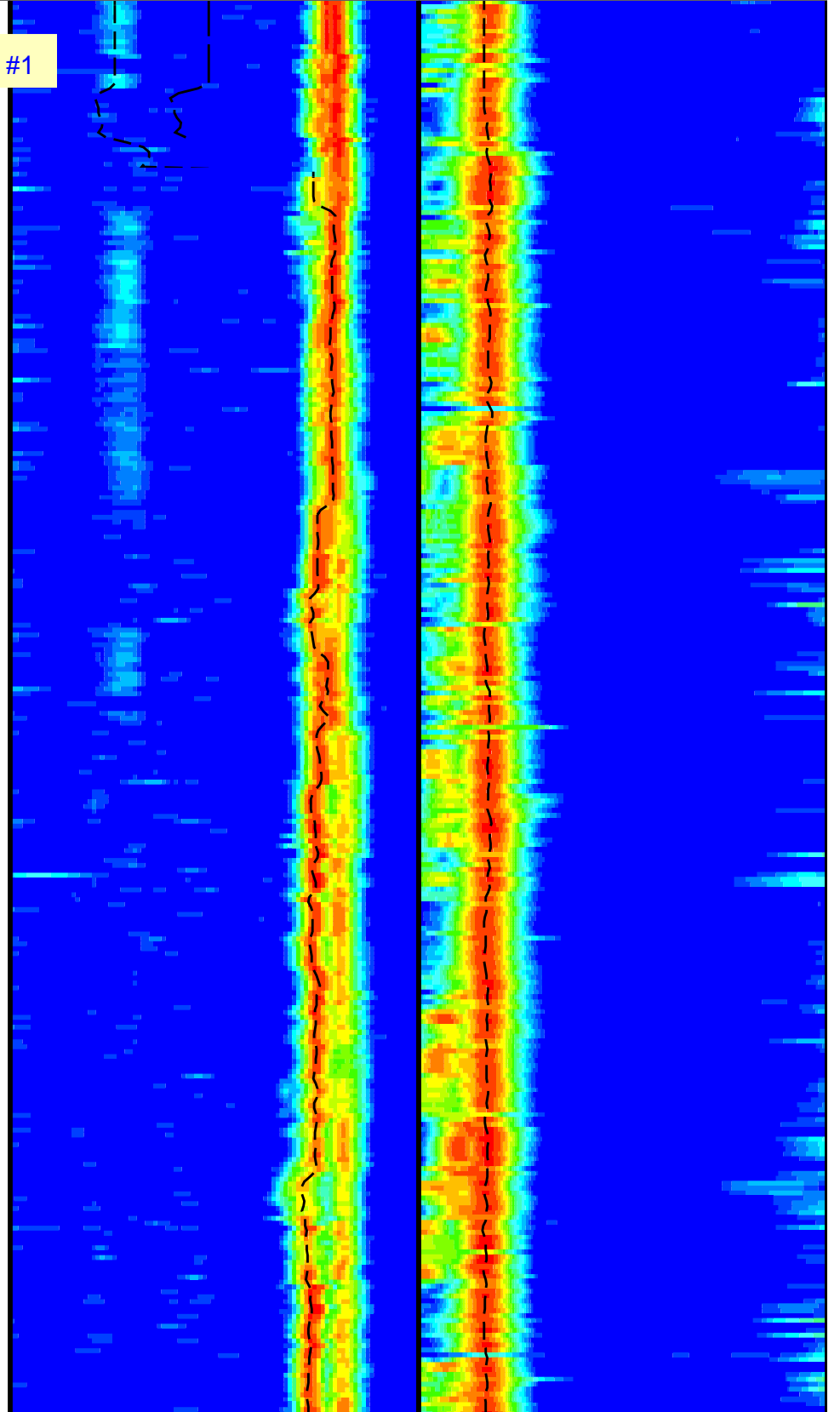
<input type="checkbox"/> Time Mark Every 60 S		
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(-----)	10
<hr/>		
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(-----)	9
<hr/>		
Peak Coherence / RA - P & S Comp (CHRP)		
0	(-----)	10
<hr/>		
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(-----)	10
<hr/>		
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	100
<hr/>		
Tension (TENS)		
10000	(LBF)	0
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Delta-T Shear - P & S (DT4S)		
440	(US/F)	40

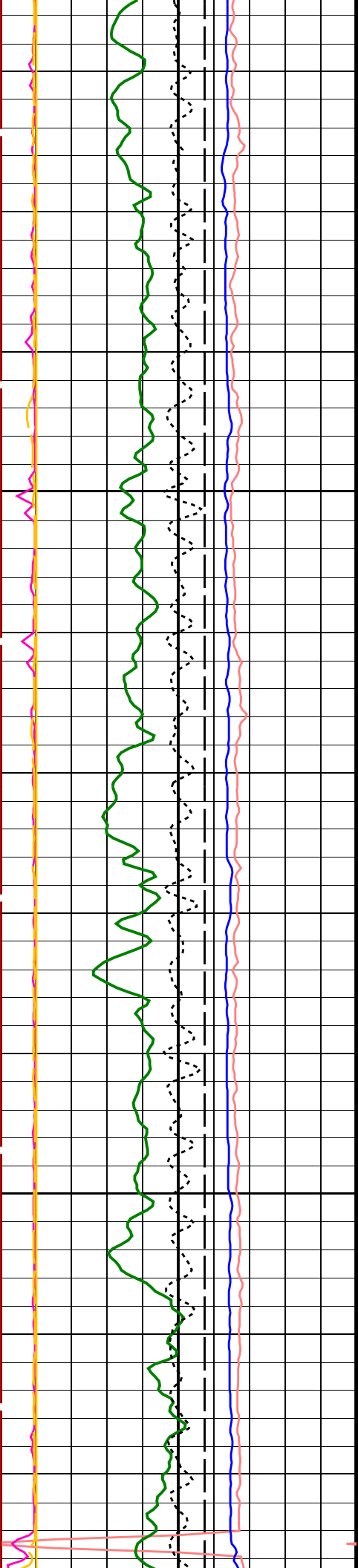


Uplog #1

3625

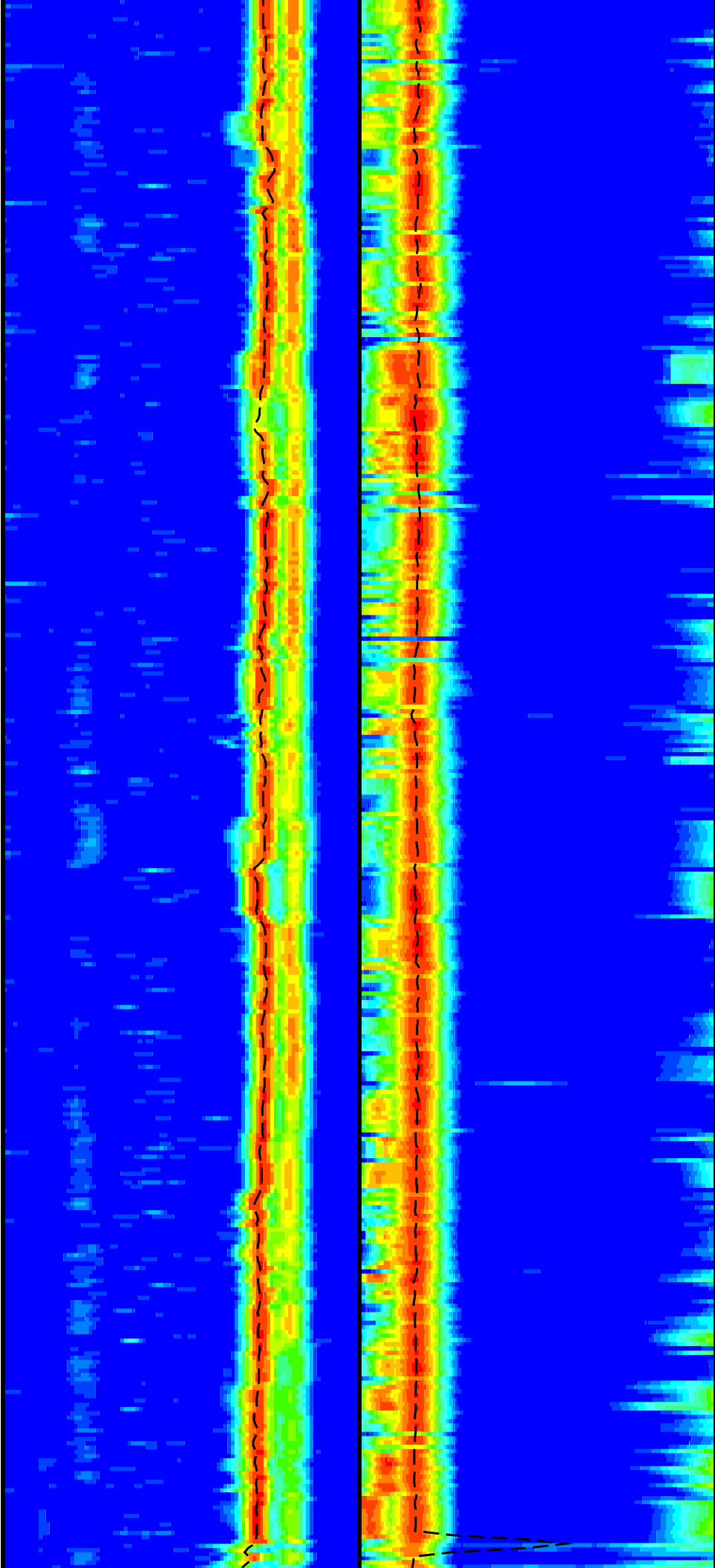
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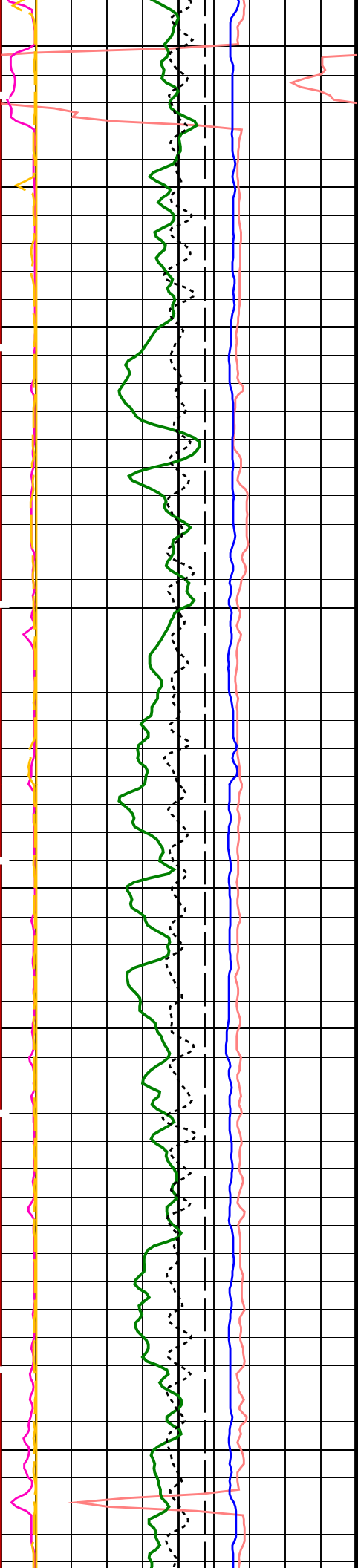




3675

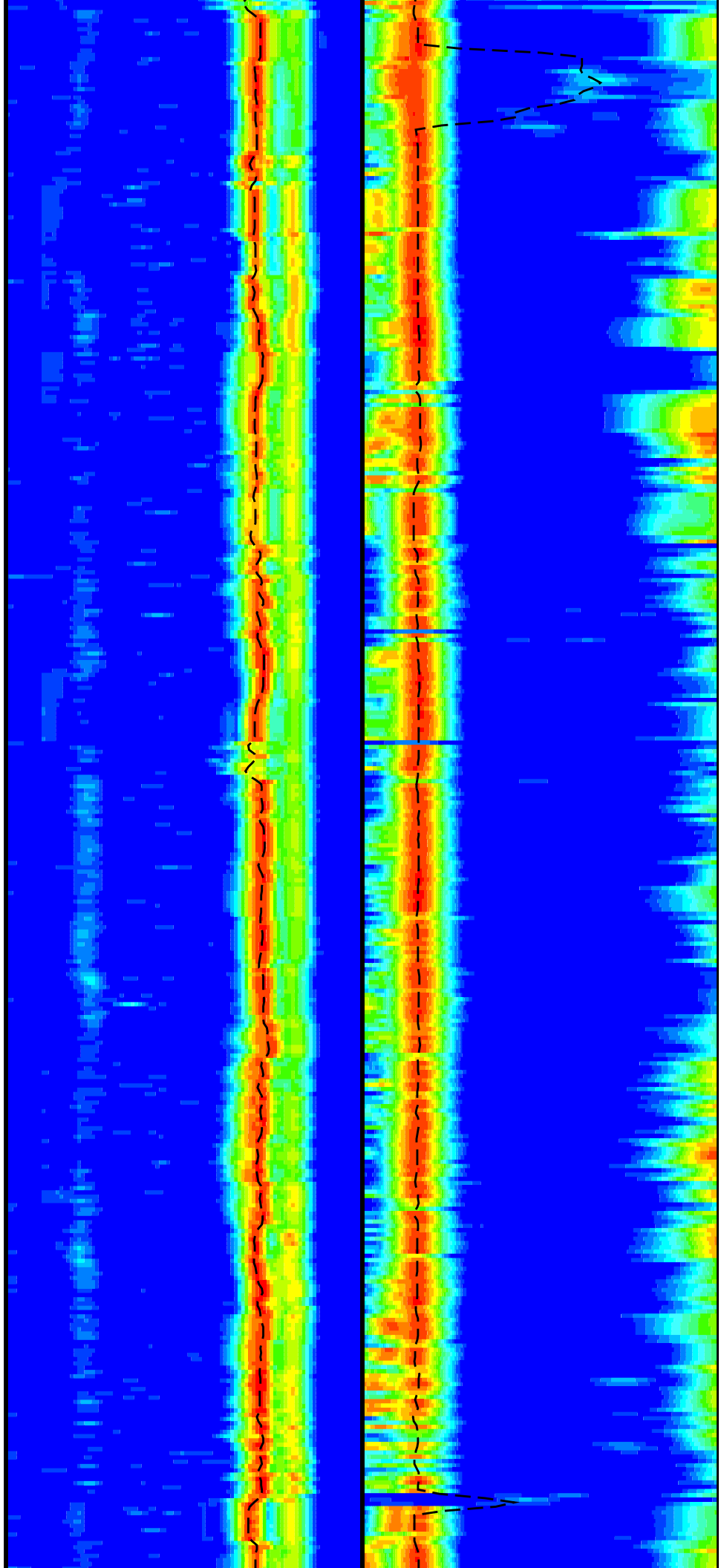
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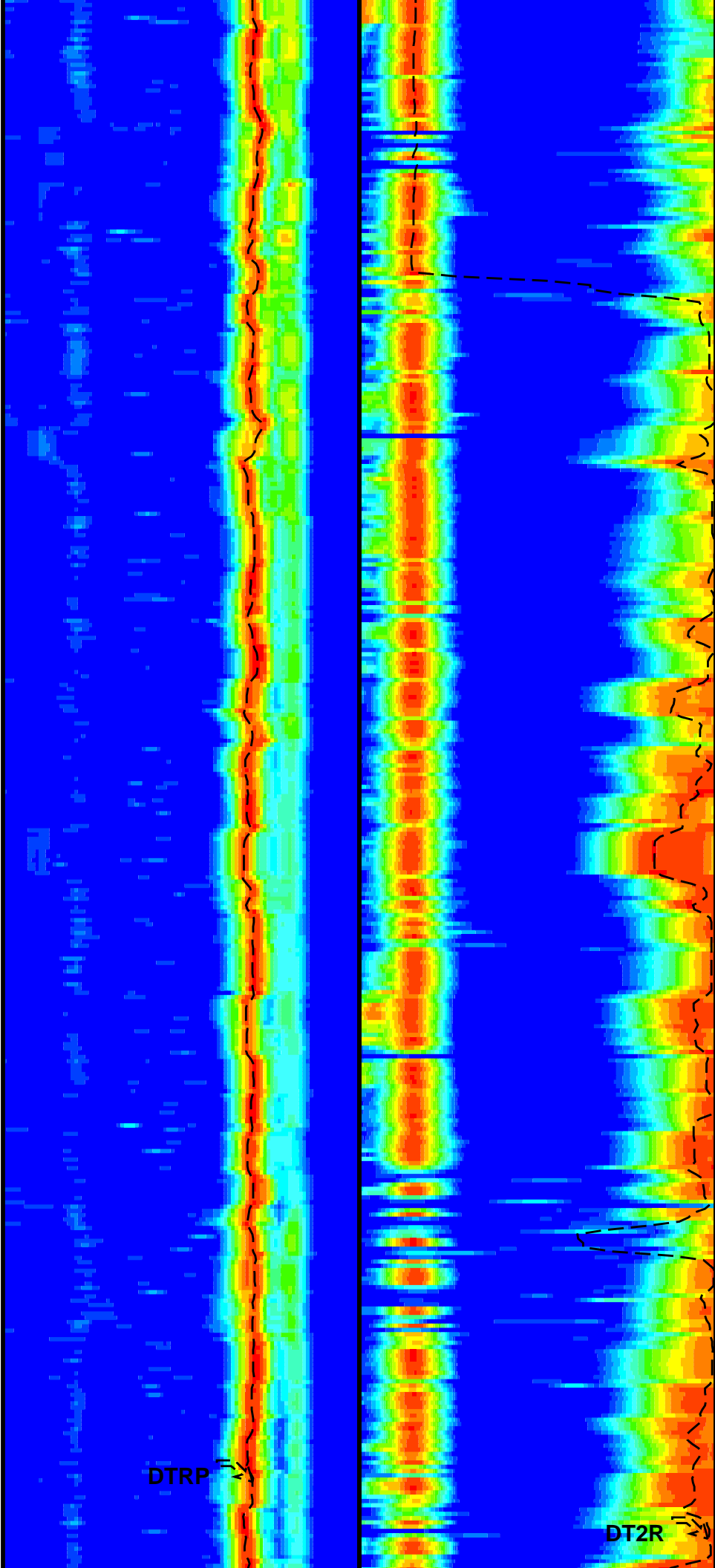
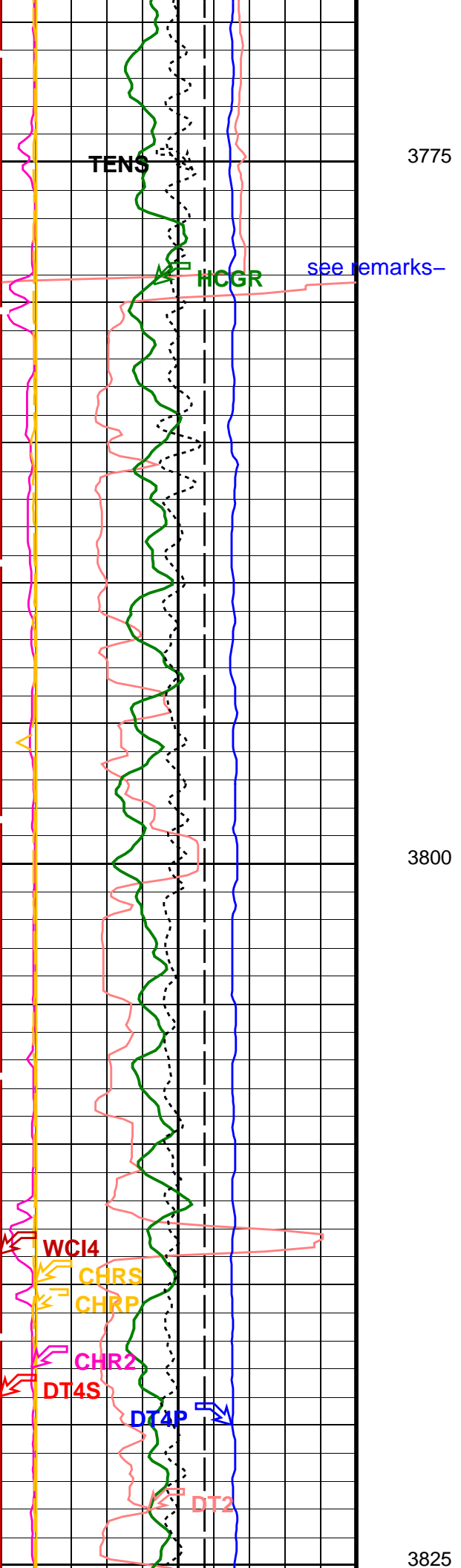


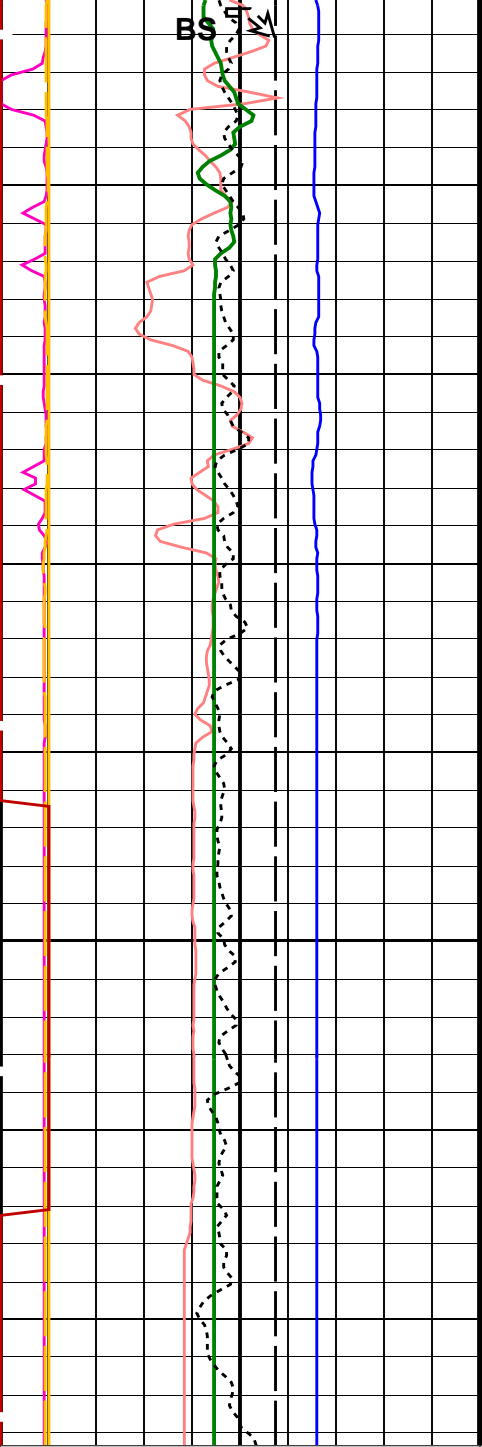


3725

3750





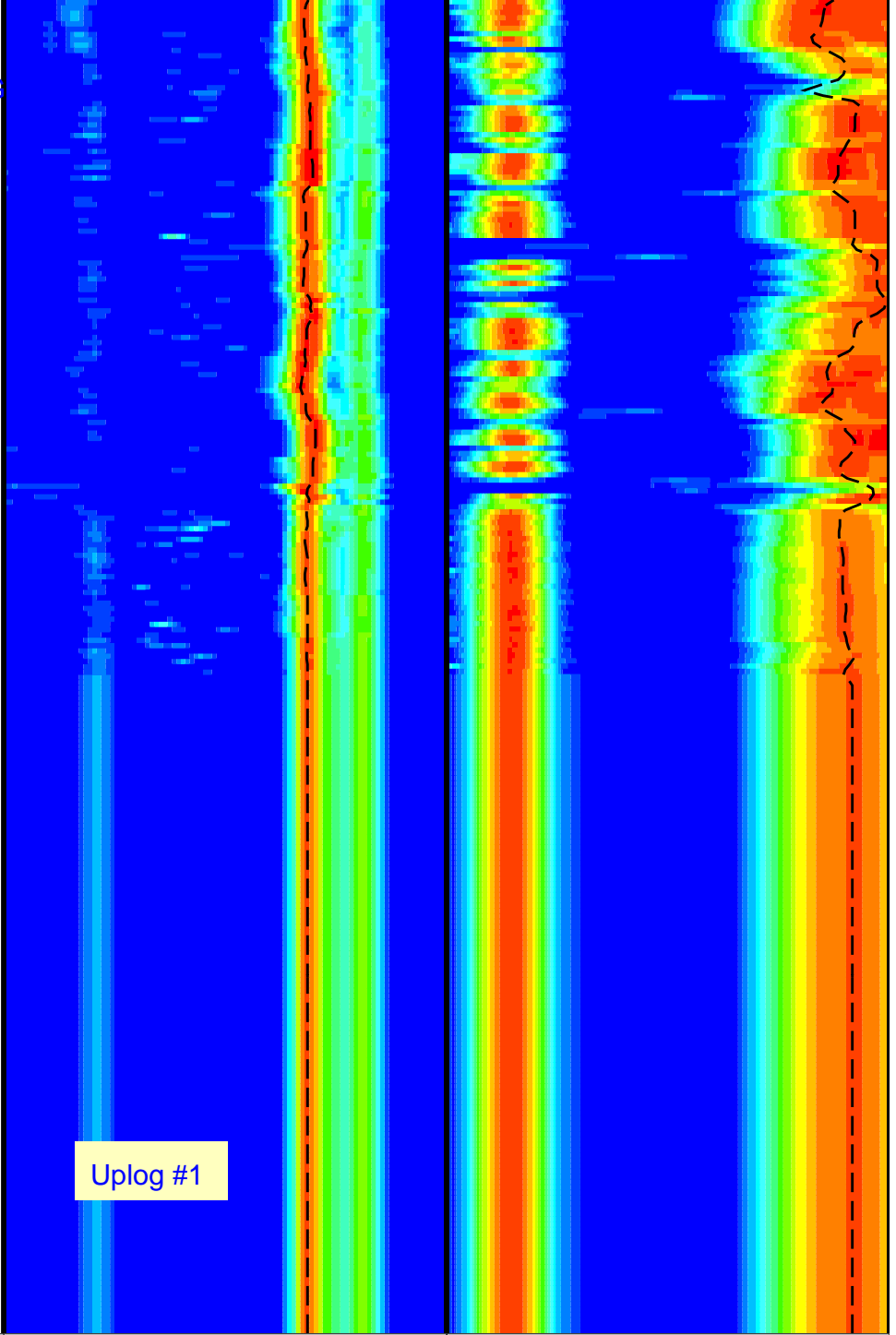


-FR HNG

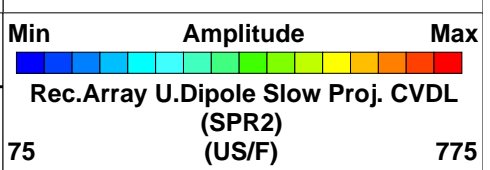
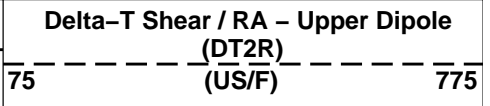
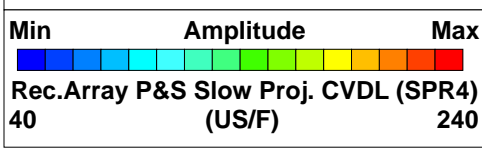
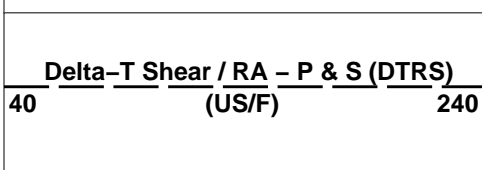
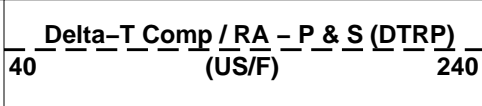
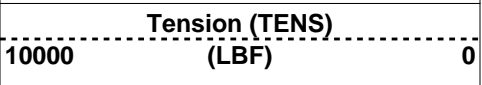
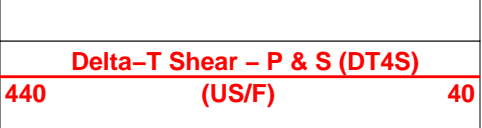
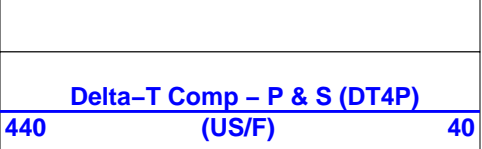
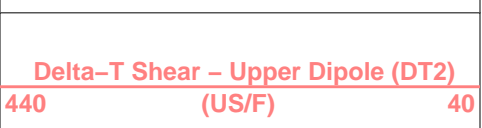
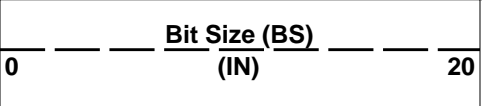
FR DSI-

3850

-TD-



Uplog #1



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

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	40	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	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 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	B1-3K	
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	170	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	0.000333756	
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	0.969578	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.961988	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.22	G/C3

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 01-Mar-2010 20:56

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_018LUP	FN:26	PRODUCER	01-Mar-2010 20:56
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Company: **Lamont Doherty**

Schlumberger

Well: **Expedition 318 Site U1361A**

Field: **Wilkes Land**

Rig: **JOIDES Resolution**

Country: **Antarctica**

Dipole Sonic

Dipole Shear/D&S Compressional

