



Company: International Ocean Discovery Program

Well: Expedition 374, Site U1522A
Field: Ross Sea W. Antarctic Ice Sheet History
Rig: JOIDES Resolution Ocean: Southern

Table with 4 columns: RIG, LOCATION, ELEVATION, and COORDINATES. Includes details for JOIDES Resolution, Expedition 374, Site U1522A, and various measurement points like Sea Floor, Rig Floor, and Drilling Measured From.

Table with 4 columns: LOGGING, MUD, TEMPERATURE, and TIME. Contains data for Logging Date (27-Jan-2018), Run Number (1), Depth Driller (1270.3 m), Schlumberger Depth (1217 m), Bottom Log Interval (1217 m), Top Log Interval (568 m), Casing Driller Size @ Depth (5.500 in @ 644.6 m), Bit Size (9.875 in), Type Fluid In Hole (Sepiolite), Density (1.26 g/cm3), Viscosity (8.07), and various temperature and time measurements.

Table with 4 columns: Run 1, Run 2, and Run 3. This table is currently empty, serving as a data entry area for subsequent runs.

DISCLAIMER

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OTHER SERVICES1
 OS1: FMS
 OS2: VSI
 OS3:
 OS4:
 OS5:

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

REMARKS: RUN NUMBER 1
 Hole drilled with RCB bottom hole assembly (BHA) at 9-7/8" BS
 Bit dropped using Mechanical Bit Release (MBR) prior to logging.
 Drilled TD was 1270.3mbrf.
 Drill pipe set at 659.8 and 644.6mbrf.
 Fluid type was Sepeolite mud weighted with Barite to a density of 10.5ppg
 Depth recorded from drill floor; logs presented as-logged without depth corrections or shifts, as per client instructions.
 All logs presented in wireline measured depth below rig floor (MDBRF).
 Caliper opened during upward passes; closed inside pipe.
 Hole size corrections made using caliper measurements for upward passes.
 AHC used from TD then switched off to facilitate pipe entry.
 10.5 lb/gal mud pumped in hole prior to logging.

REMARKS: RUN NUMBER 2

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

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






EQUIPMENT DESCRIPTION

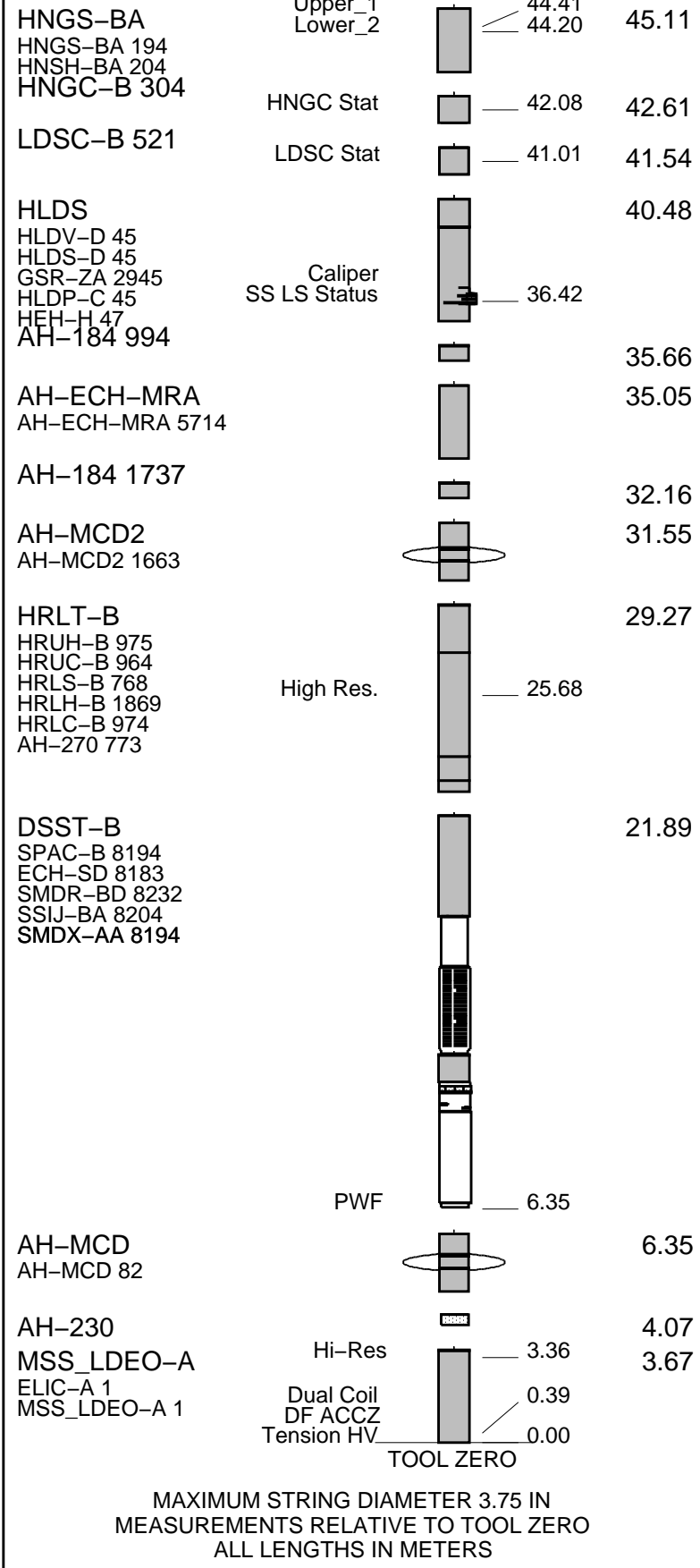
RUN 1

SURFACE EQUIPMENT
 GSR-U 6098
 WITM (EDTS)-A 1

RUN 2

DOWNHOLE EQUIPMENT

LEH-QT 301 MDSB_EDTC  47.09 48.41
 Mud Tempe  46.02
 CTEM  45.45 47.52
 AH-369 Gamma Ray  45.11
 EDTC-B EFTB DIAG  44.44
 EDTH-B 8303 TelStatus 44.44
 EDTCB Ele 44.44
 Uper 1 44.44



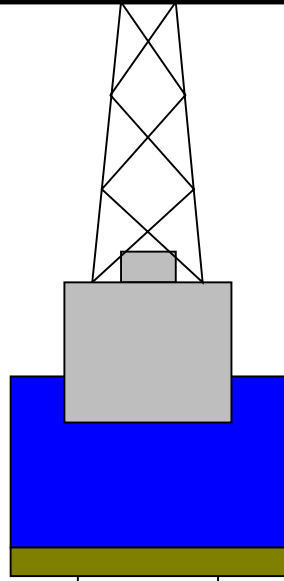
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	OD	

Kelly Bushing Elevation
Derrick Floor Elevation

0
0

Mean Sea Level

11



4.1



568.5

4.1

Sea Floor

644.6

9.875

Open Hole

1270.3

Total Depth

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06	1165.7 M	512.1 M
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OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

Time Mark Every 60 S

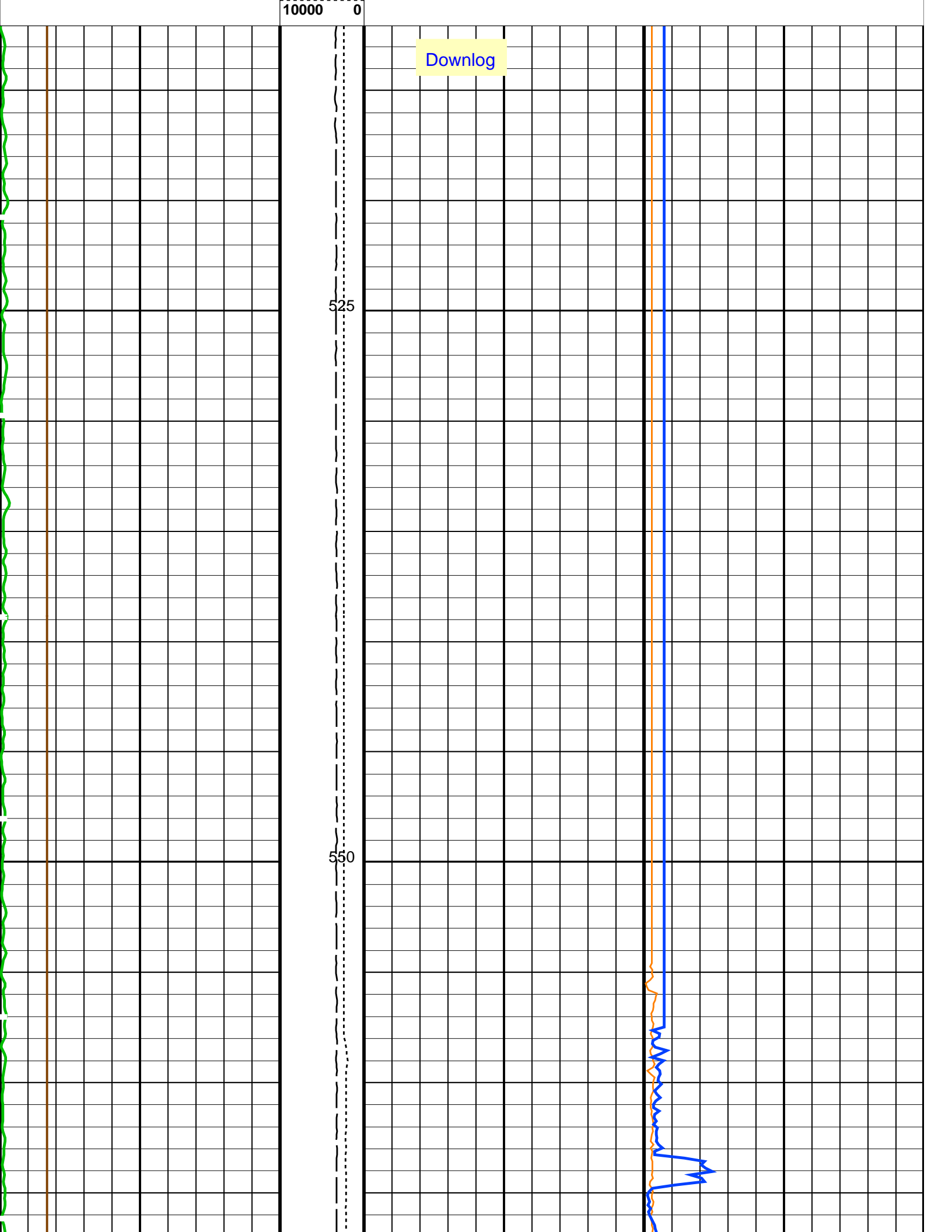
Gamma Ray (GR_EDTC) 0 (GAPI) 100	Calibrated Downhole Force (CDF) (LBF)	Dual-Coil Susceptibility (MSSLUSUS_LDEO) 0 (PPM) 5000
	5000 0	
HLDS Caliper (LCAL) 0 (IN) 20	Tension (TENS) (LBF)	Axial Acceleration (MSSZACC_LDEO) 0 (M/S2) 20

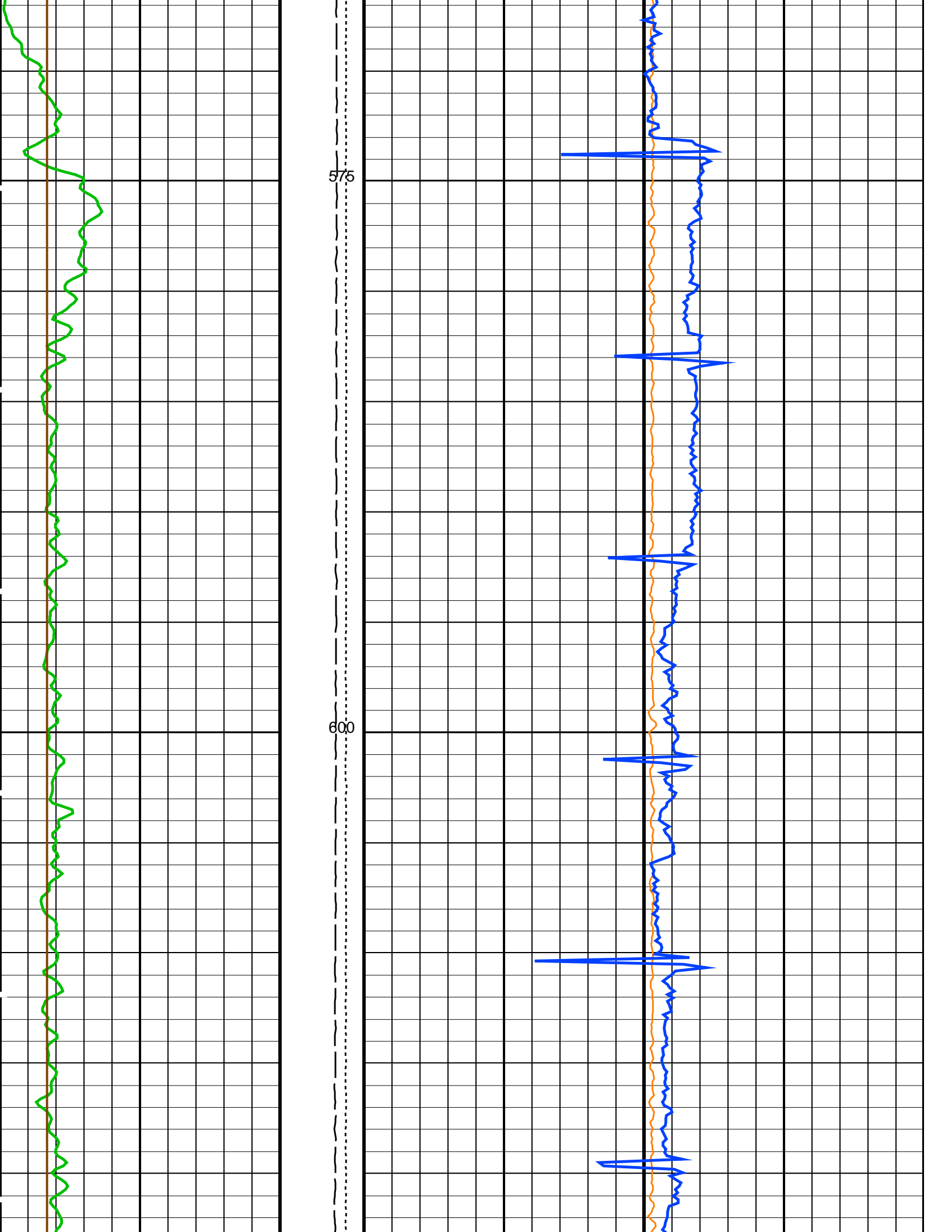
10000 0

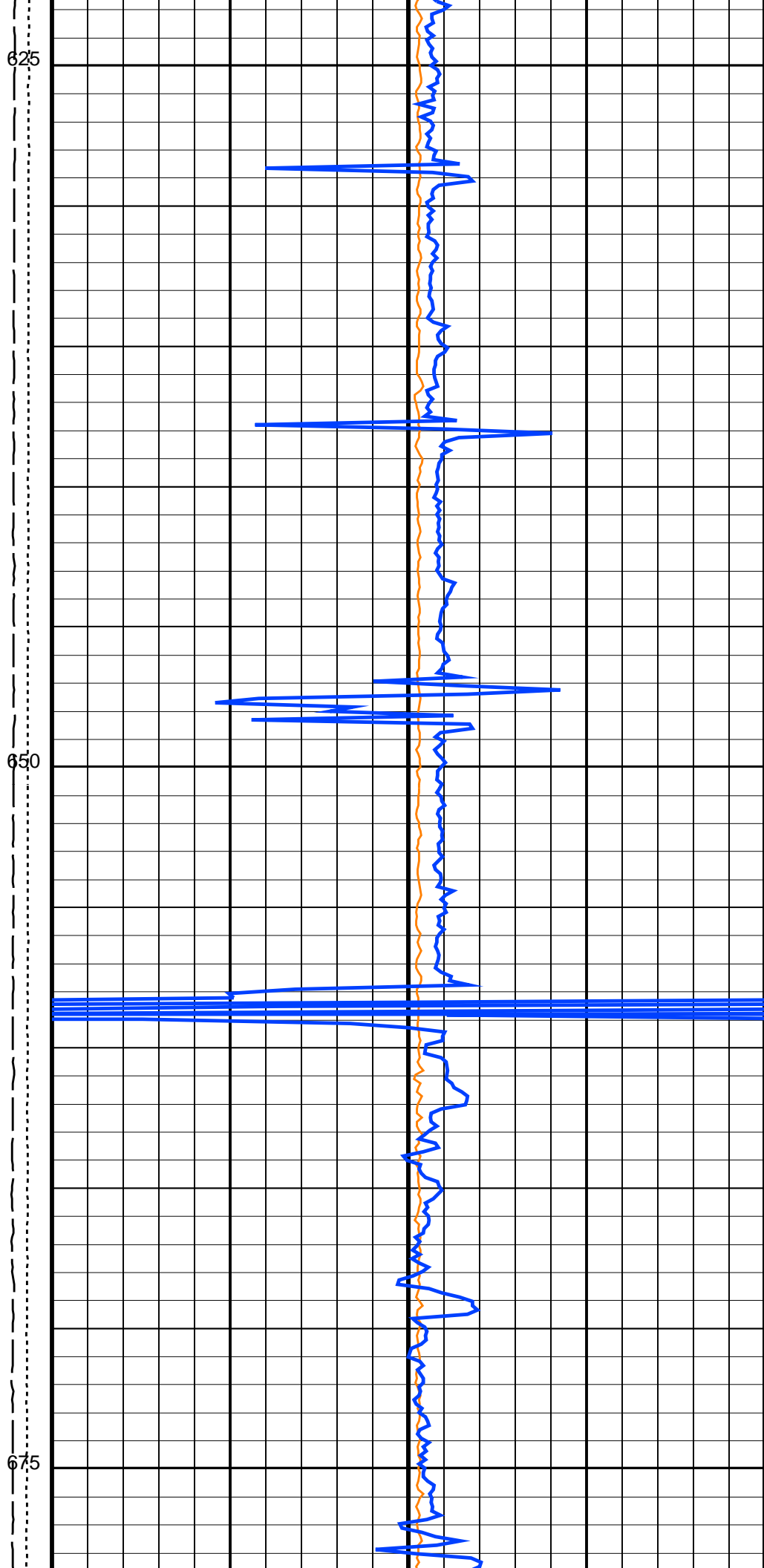
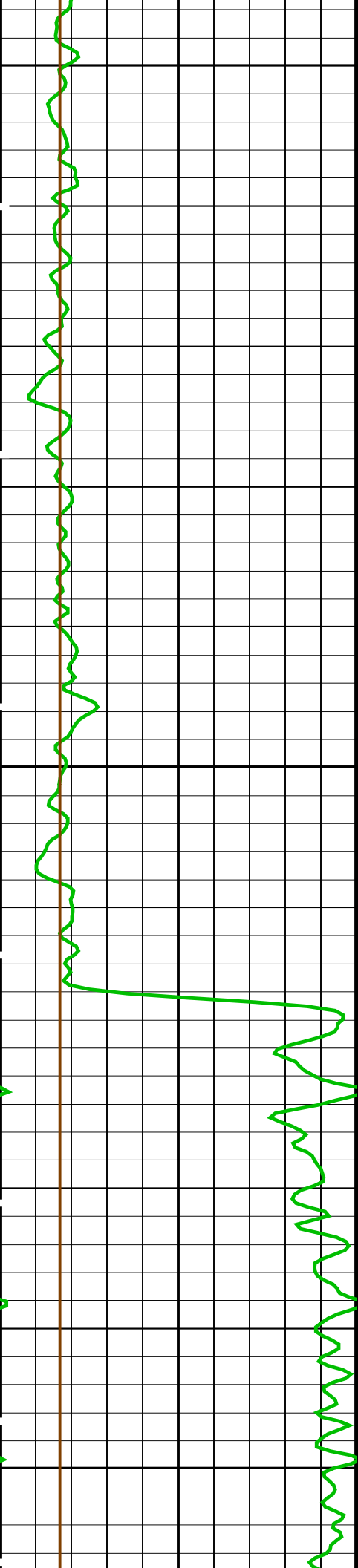
Downlog

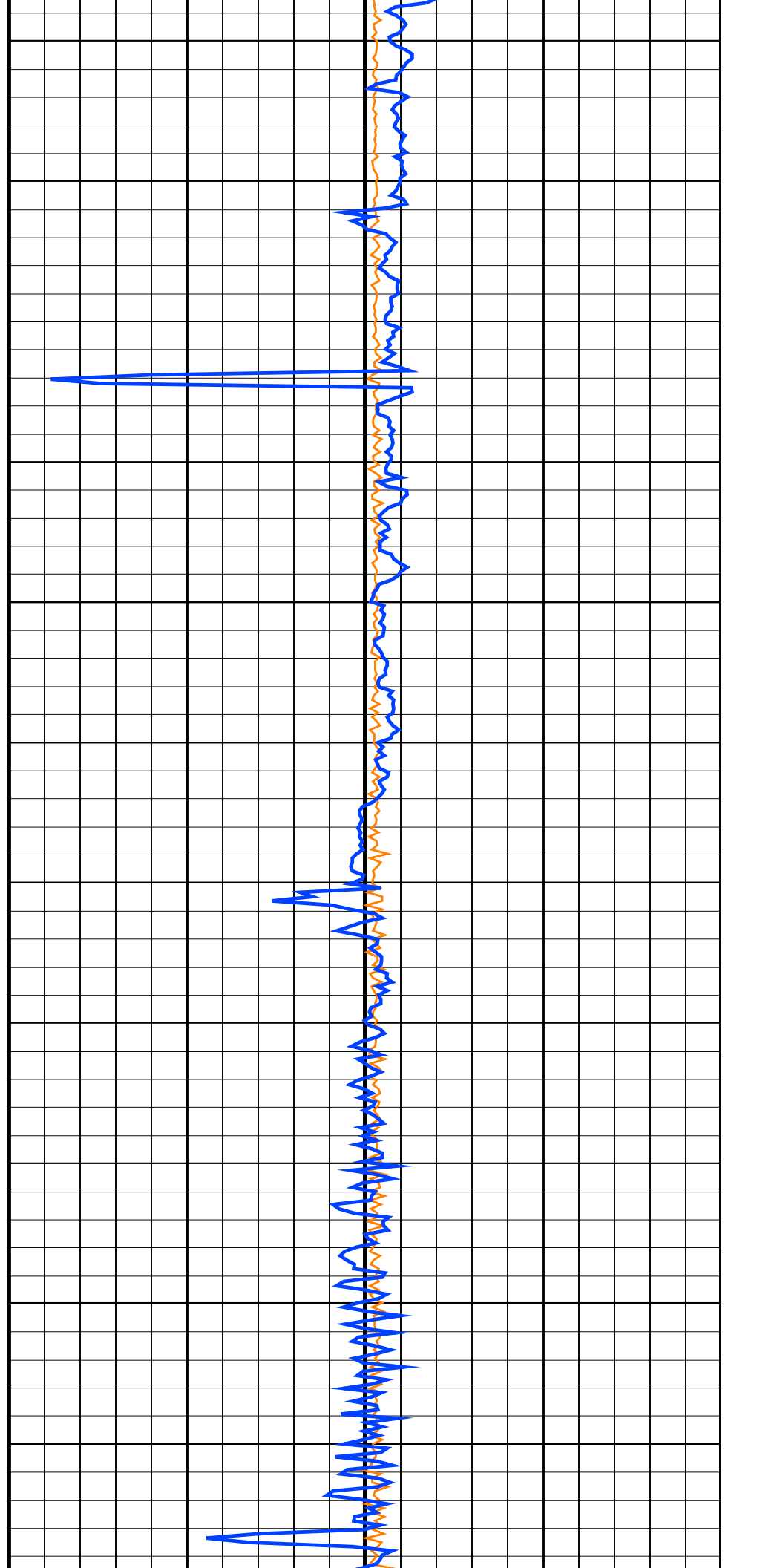
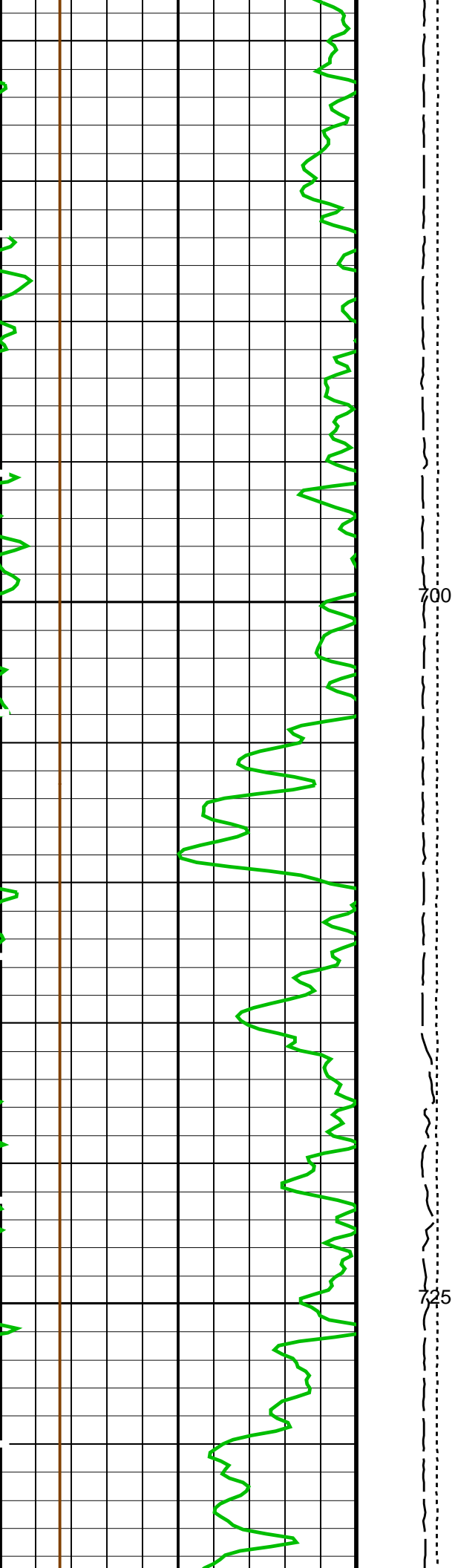
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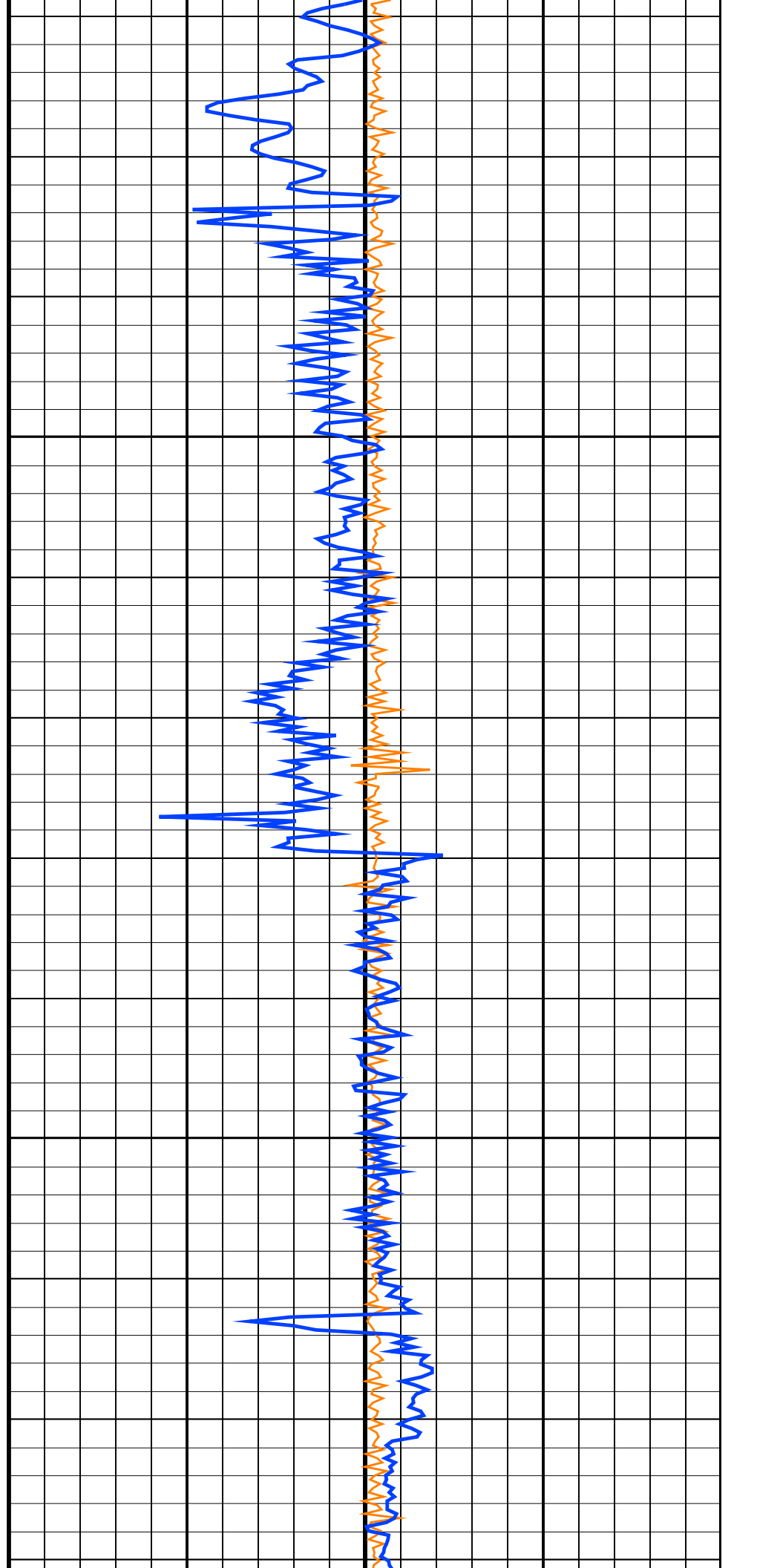
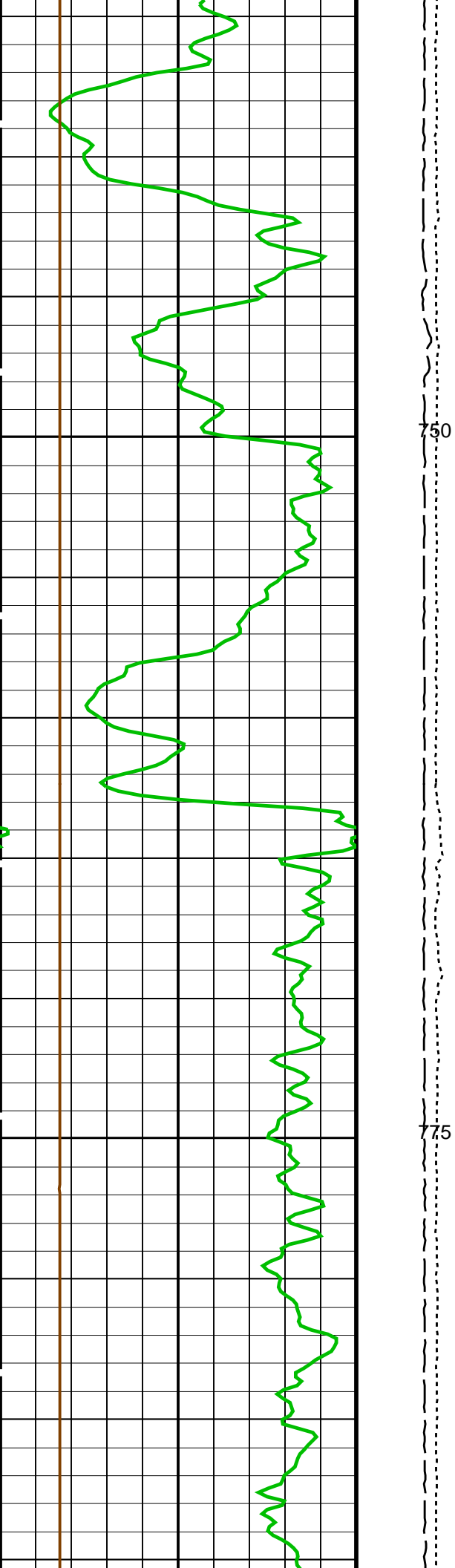
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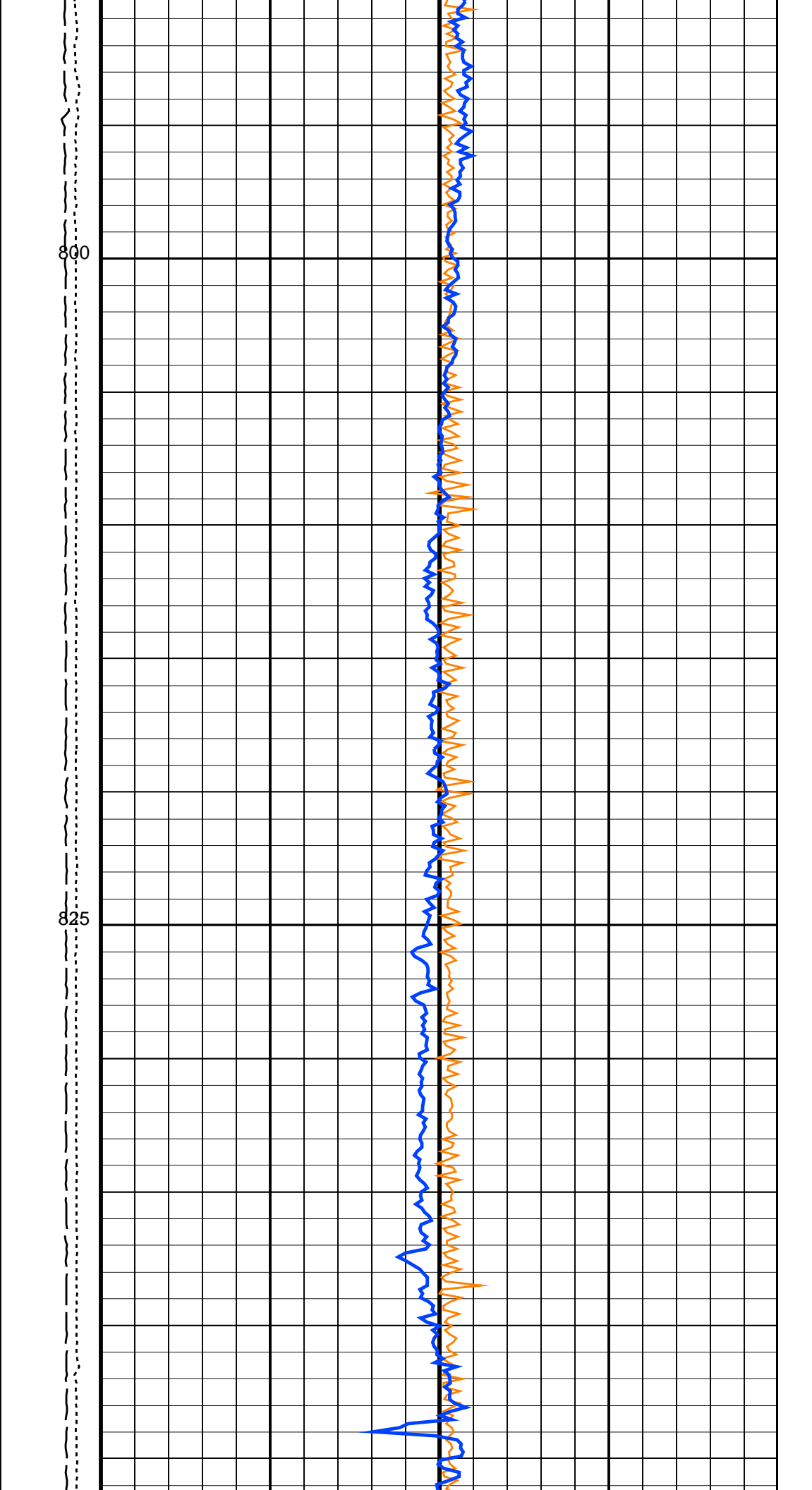
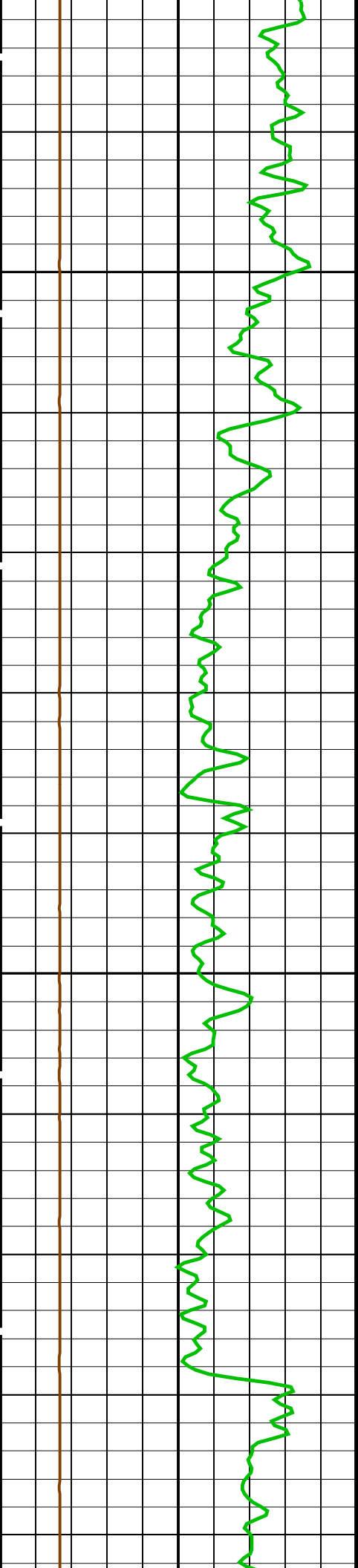


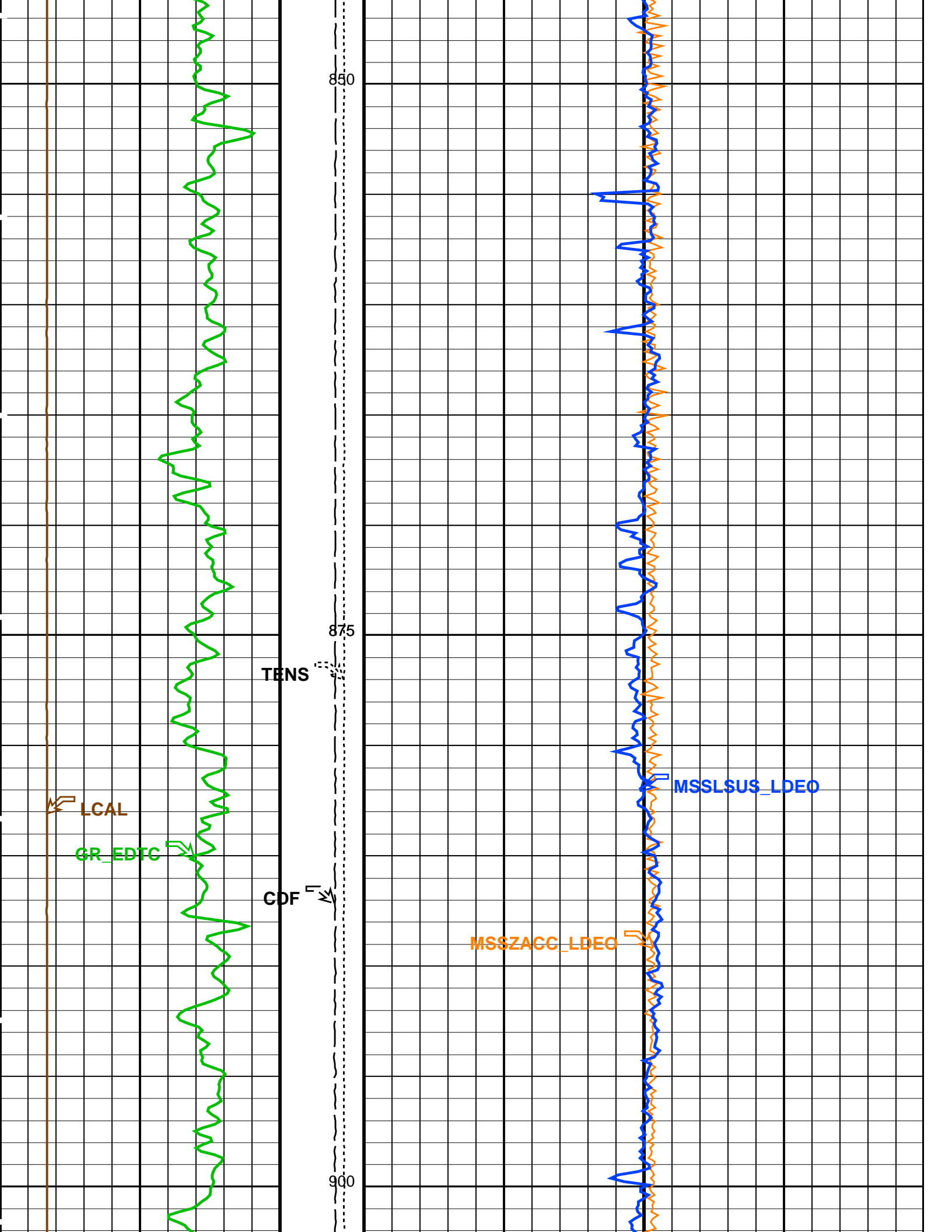


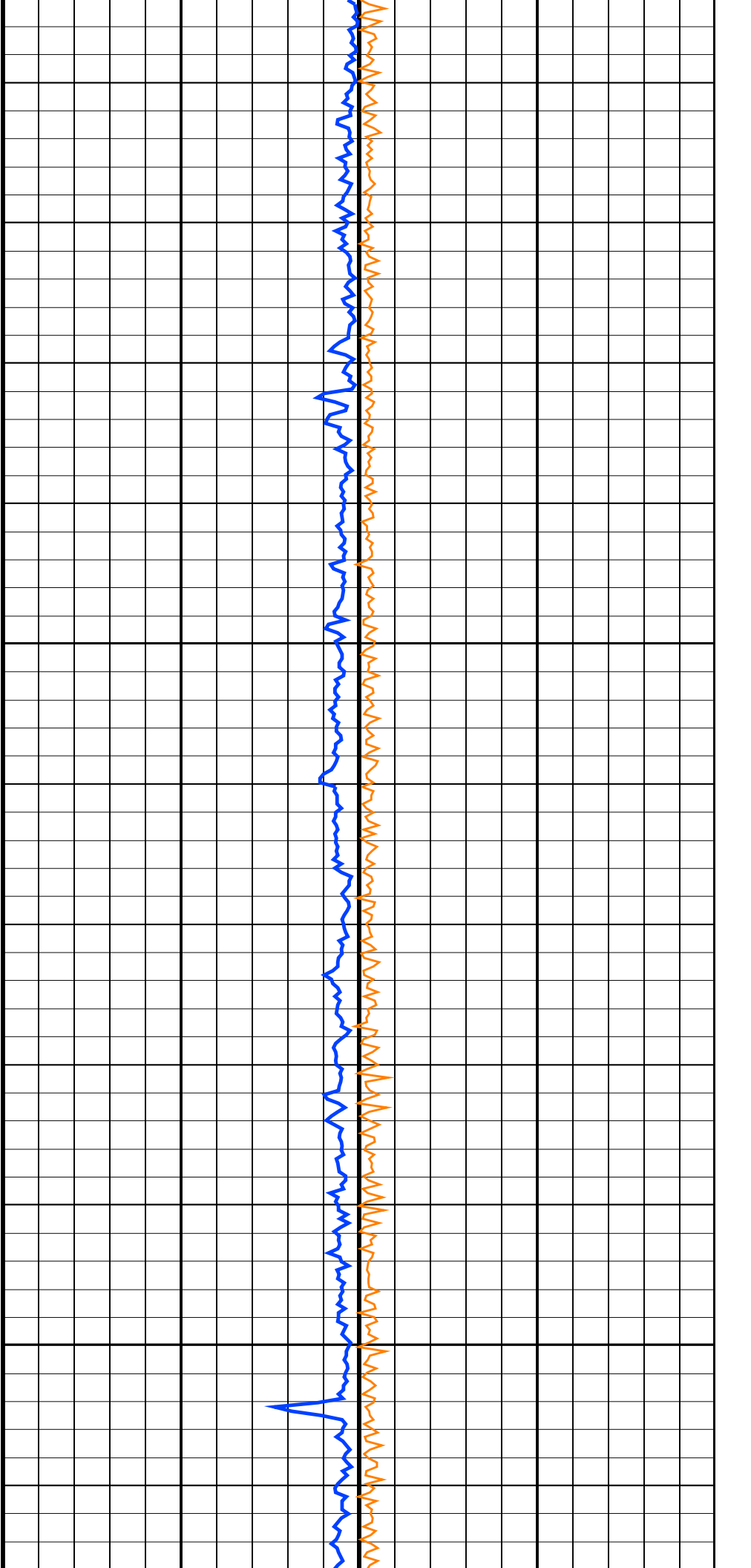
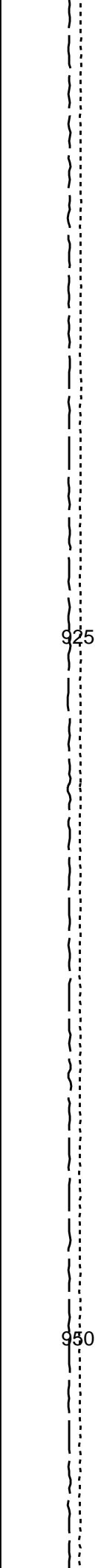
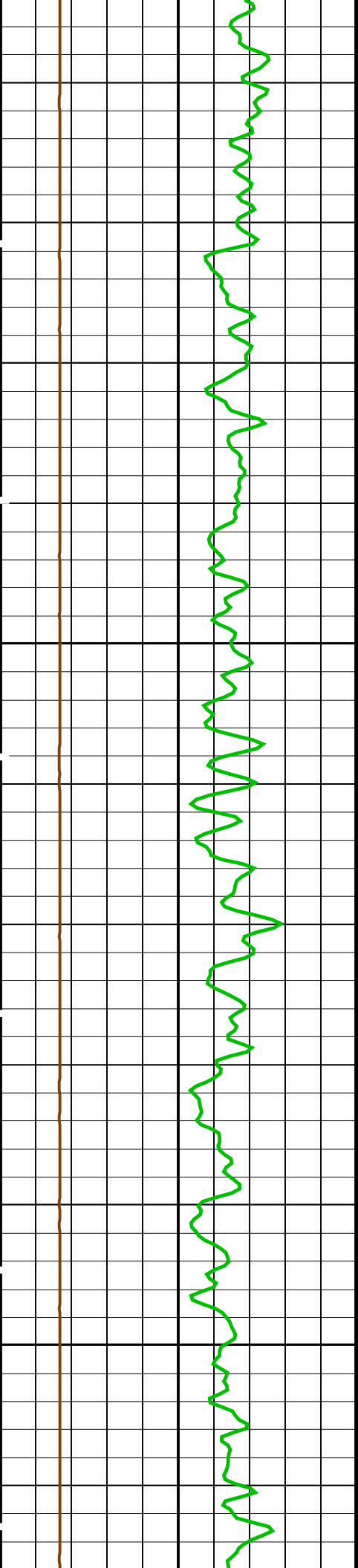


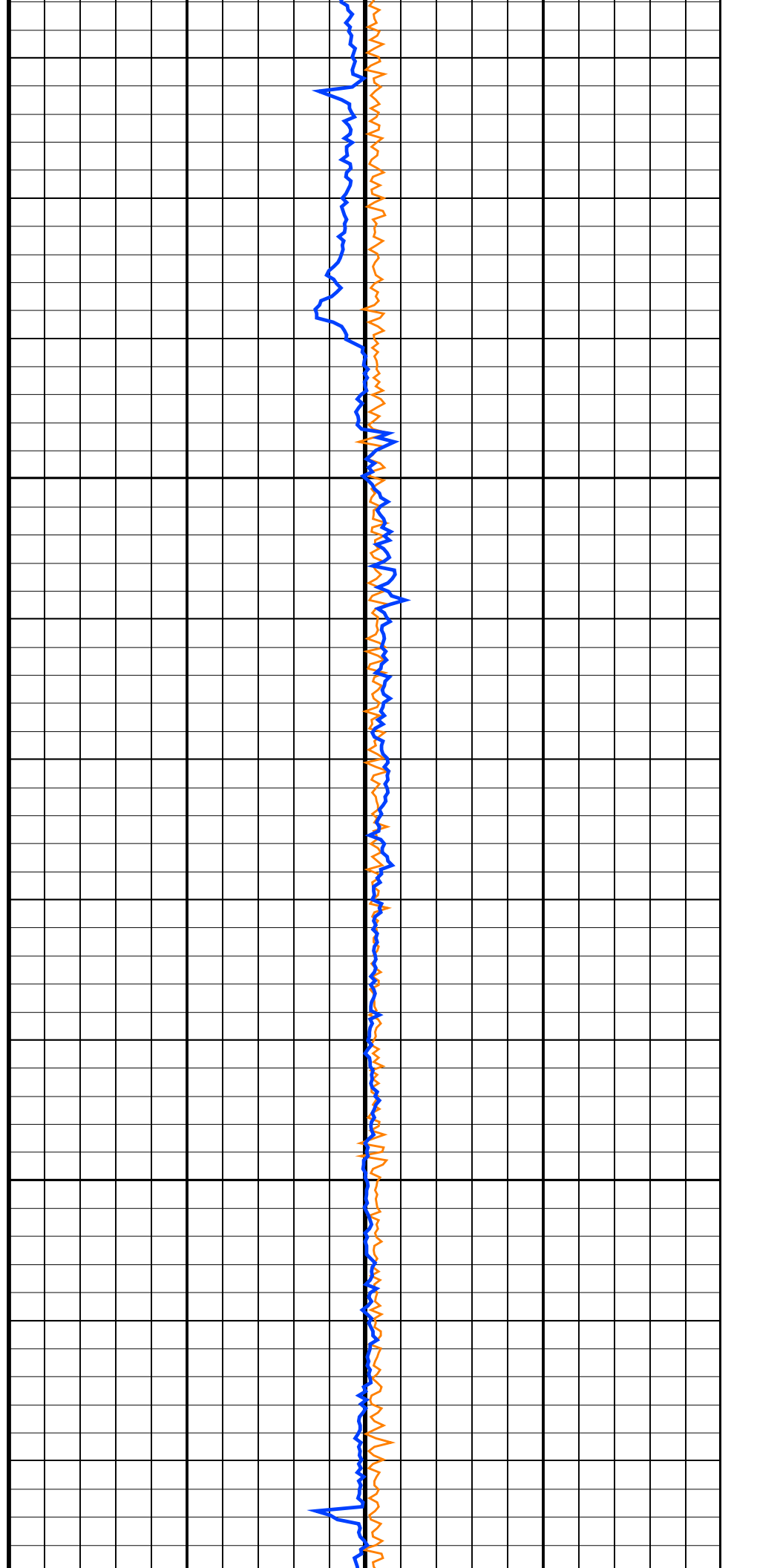
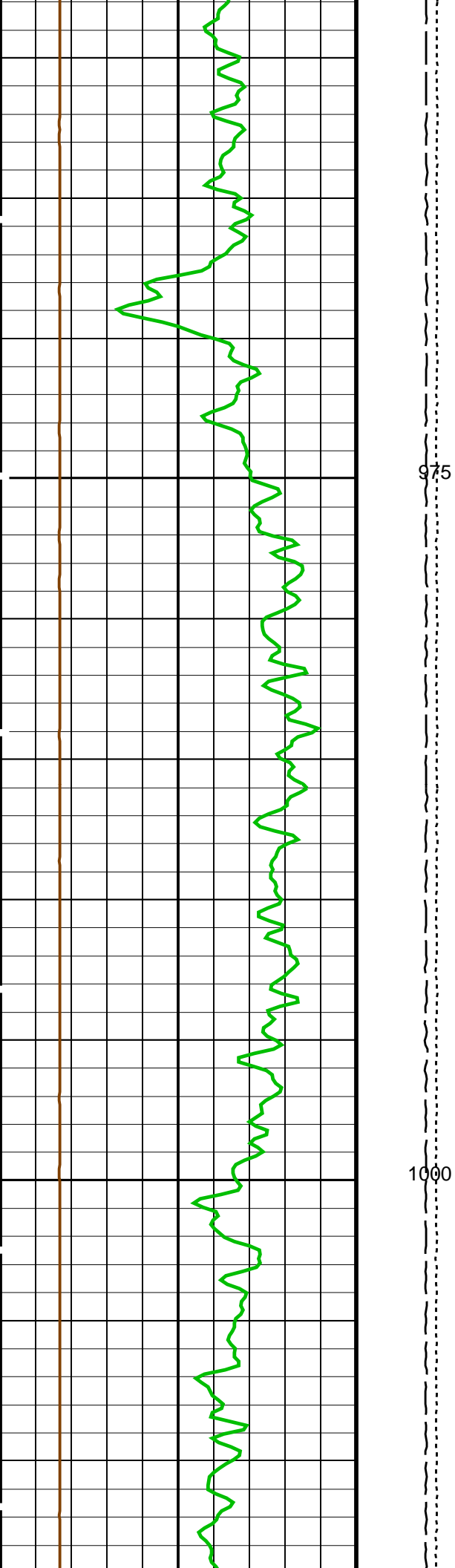


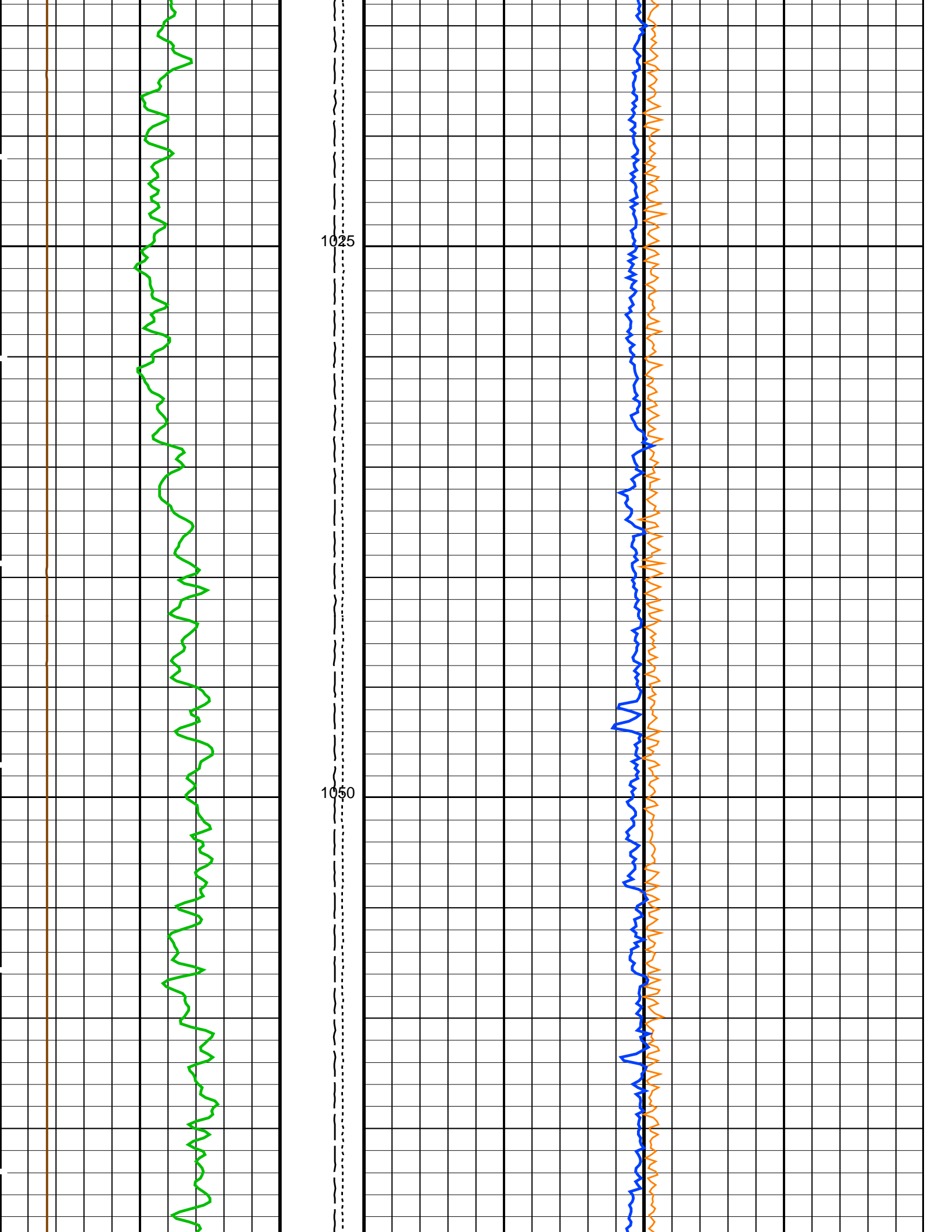


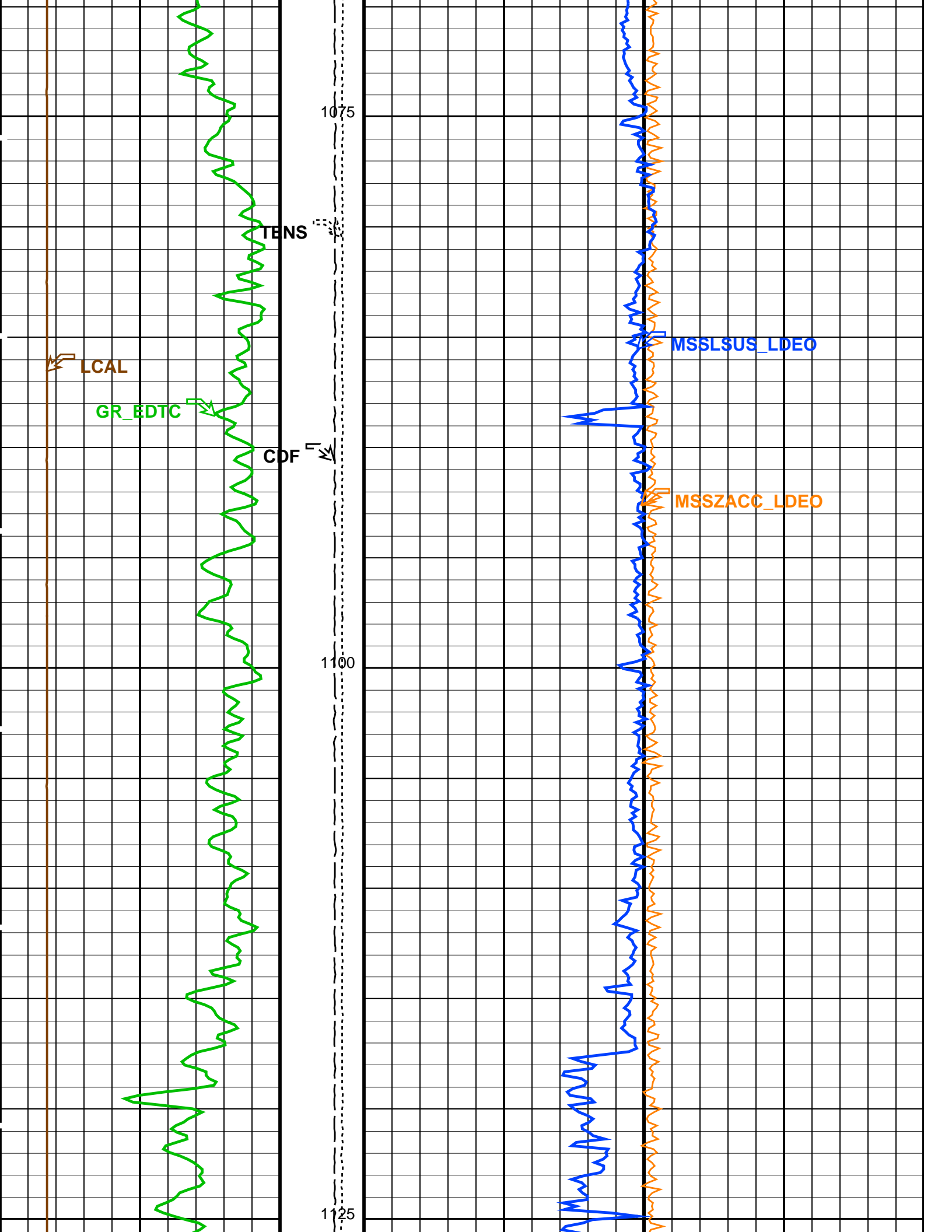


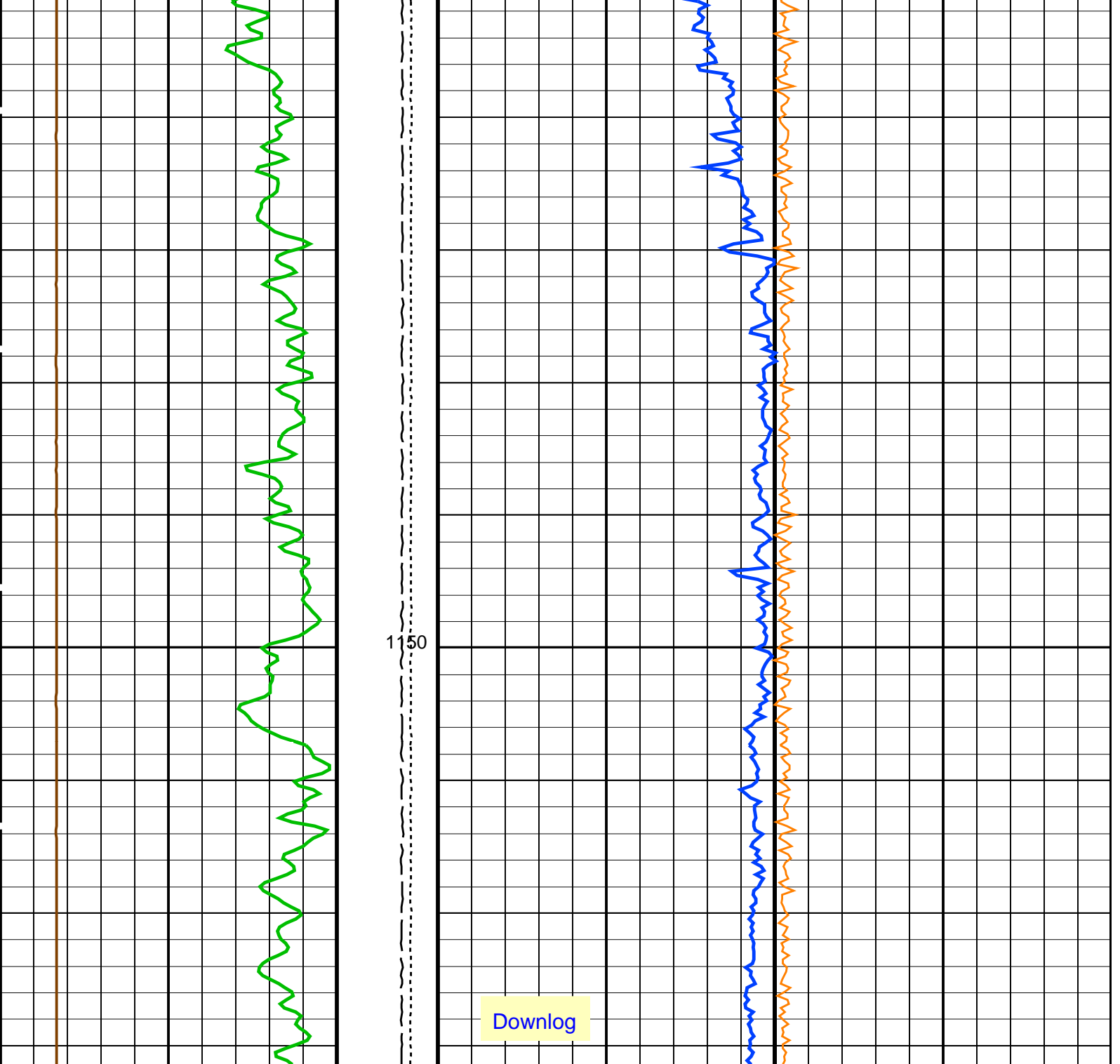












<p>HLDS Caliper (LCAL) (IN)</p> <p>0 20</p>	<p>Tension (TENS) (LBF)</p> <p>10000 0</p>	<p>Axial Acceleration (MSSZACC_LDEO) (M/S²)</p> <p>0 20</p>
<p>Gamma Ray (GR_EDTC) (GAPI)</p> <p>0 100</p>	<p>Calibrated Downhole Force (CDF) (LBF)</p> <p>5000 0</p>	<p>Dual-Coil Susceptibility (MSSLSUS_LDEO) (PPM)</p> <p>0 5000</p>

Downlog

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
AGC1	DSST-B: Dipole Shear Imager - B Automatic Gain Control 1	ON

AGC2	Automatic Gain Control 2		ON
AGC3	Automatic Gain Control 3		ON
AGC4	Automatic Gain Control 4		ON
AGC5	Automatic Gain Control 5		ON
AGCX	Automatic Gain Control X		ON
BARS_MTR1	Length for Monopole Transmitter to Receiver 1	2.7432	M
BHS	Borehole Status		OPEN
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
CASF	Label Casing Function - Monopole P&S	60	
CDTS	C-Delta-T Shale	100	US/F
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	60	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	202	US/F
DDE1	Digitizing Delay 1	0	US
DDE2	Digitizing Delay 2	0	US
DDE3	Digitizing Delay 3	0	US
DDE4	Digitizing Delay 4	0	US
DDE5	Digitizing Delay 5	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear		USE
DLHS	Label Hole Diameter Source for SOBS Channel		AUTO
DSHL	Label Slowness Lower Limit - Dipole Shear	40	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSI2	Digitizer Sample Interval 2	40	US
DSI3	Digitizer Sample Interval 3	40	US
DSI4	Digitizer Sample Interval 4	10	US
DSI5	Digitizer Sample Interval 5	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel		PS_COMP
DTF	Delta-T Fluid	205	US/F
DTM	Delta-T Matrix	56	US/F
DTSS	Shear Delta-T Source for DTSM Channel		LOWER_DIPOLE
DWC1	Digitizer Word Count 1	512	
DWC2	Digitizer Word Count 2	512	
DWC3	Digitizer Word Count 3	512	
DWC4	Digitizer Word Count 4	512	
DWC5	Digitizer Word Count 5	512	
DWCX	Digitizer Word Count X	512	
FDE1	Firing Delay 1	0	
FDE2	Firing Delay 2	0	
FDE3	Firing Delay 3	0	
FDE4	Firing Delay 4	0	
FDE5	Firing Delay 5	0	
FDEX	Firing Delay X	0	
FGM5	First Motion Gate Moveout 5	40	US/F
FGMX	First Motion Gate Moveout X	40	US/F
FILG	Label Fill Gap Control - Monopole P&S		COMP_SHEAR
FMG5	First Motion Minimum Gate 5	500	US
FMGX	First Motion Minimum Gate X	500	US
FMLL	Slowness Lower Limit - FMD	40	US/F
FMRC	Restart Control - FMD		CONTINUE
FMT5	First Motion Threshold 5		UP
FMTX	First Motion Threshold X		NONE
FMUL	Slowness Upper Limit - FMD	180	US/F
FNC5	First Motion Noise Counter Input 5		ALO
FNCX	First Motion Noise Counter Input X		ALO
FPM	Processing Mode - FMD		NONE
FTD5	First Motion Threshold Direction 5		UP
FTDX	First Motion Threshold Direction X		UP
GAI1	Manual Gain 1	10	
GAI2	Manual Gain 2	10	
GAI3	Manual Gain 3	6	
GAI4	Manual Gain 4	16	
GAI5	Manual Gain 5	16	
GAIX	Manual Gain X	10	
GCSE	Generalized Caliper Selection		BS
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GDT1	Gain Delta-T 1	800	US/F
GDT2	Gain Delta-T 2	800	US/F
GDT3	Gain Delta-T 3	800	US/F
GDT4	Gain Delta-T 4	160	US/F
GDT5	Gain Delta-T 5	160	US/F
GDTX	Gain Delta-T X	800	US/F
GGRD	Geothermal Gradient	0.01	DF/F
GIN1	Gain Interval 1	15360	US
GIN2	Gain Interval 2	15360	US
GIN3	Gain Interval 3	15360	US
GIN4	Gain Interval 4	2560	US
GIN5	Gain Interval 5	1600	US
GINX	Gain Interval X	15360	US
GRSE	Generalized Mud Resistivity Selection		CHART_GEN_9
GTSE	Generalized Temperature Selection		LINEAR_ESTIMATE
HPF1	High Pass Filter 1		F80
HPF2	High Pass Filter 2		F80
HPF3	High Pass Filter 3		F80

HPF3	High Pass Filter 3	F80	
HPF4	High Pass Filter 4	F8K	
HPF5	High Pass Filter 5	F8K	
HPFX	High Pass Filter X	F80	
ISSBAR	Barite Mud Switch	BARITE	
ITTS	Integrated Transit Time Source	DTCO	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
LPF1	Low Pass Filter 1	F5K	
LPF2	Low Pass Filter 2	F5K	
LPF3	Low Pass Filter 3	F5K	
LPF4	Low Pass Filter 4	F30K	
LPF5	Low Pass Filter 5	F30K	
LPFX	Low Pass Filter X	F5K	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MAI5	Slowness Averaging Interval – FMD	42	IN
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCS	Mean Casing Slowness	57	US/F
MDS5	Multishot Delta-T Scatter – FMD	20	US
MTXG	Monopole Transmitter Geometry	186	IN
MUX1	Sum Difference Multiplexor Input 1	RR	
MUX2	Sum Difference Multiplexor Input 2	RR	
MUX3	Sum Difference Multiplexor Input 3	RR	
MUX4	Sum Difference Multiplexor Input 4	RR	
MUX5	Sum Difference Multiplexor Input 5	RR	
MUXX	Sum Difference Multiplexor Input X	RR	
NTI5	Number Threshold Items 5	0	
NTIX	Number Threshold Items X	0	
NWI1	Number Waveform Items 1	8	
NWI2	Number Waveform Items 2	8	
NWI3	Number Waveform Items 3	0	
NWI4	Number Waveform Items 4	8	
NWI5	Number Waveform Items 5	0	
NWIX	Number Waveform Items X	0	
NWS1	Number Waveforms Stacked 1	1	
NWS2	Number Waveforms Stacked 2	1	
NWS3	Number Waveforms Stacked 3	1	
NWS4	Number Waveforms Stacked 4	1	
NWS5	Number Waveforms Stacked 5	1	
NWSX	Number Waveforms Stacked X	1	
RATE	Firing Rate	R7	
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	OFF	
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN	
SAM5	DSST Sonic Acquisition Mode 5 – Monopole Mode for FMD	OFF	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SAS5	Sonic Array Status – FMD	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBO3	STC Search Band Offset – Monopole Stoneley	3000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SBW3	STC Search Bandwidth – Monopole Stoneley	8000	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM2	STC Filter – Upper Dipole	B1–2K	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	239	US/F
SHT	Surface Hole Temperature	55	DEGF
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
SLI1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SLI2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SLI3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F

SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPSO	Sonic Porosity Source	DTCO	
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1040	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBDB	Tool String Bottom to DSST Bottom	249.908	IN
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TLL3	STC Time Lower Limit – Monopole Stoneley	600	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	200	US
TST3	STC Time Step – Monopole Stoneley	200	US
TST4	STC Time Step – Monopole P&S	50	US
TTDB	Tool String Top to DSST Bottom	1656.11	IN
TUL1	STC Time Upper Limit – Lower Dipole	18960	US
TUL2	STC Time Upper Limit – Upper Dipole	18440	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12000	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWA1	Transmitter Waveform Amplitude 1	179	
TWA2	Transmitter Waveform Amplitude 2	179	
TWA3	Transmitter Waveform Amplitude 3	166	
TWA4	Transmitter Waveform Amplitude 4	150	
TWA5	Transmitter Waveform Amplitude 5	150	
TWAX	Transmitter Waveform Amplitude X	179	
TWD1	STC Time Width – Lower Dipole	2000	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWI3	STC Integration Time Window – Monopole Stoneley	2400	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWR1	Transmitter Waveform Sample Rate 1	20	US
TWR2	Transmitter Waveform Sample Rate 2	5	US
TWR3	Transmitter Waveform Sample Rate 3	5	US
TWR4	Transmitter Waveform Sample Rate 4	5	US
TWR5	Transmitter Waveform Sample Rate 5	5	US
TWRX	Transmitter Waveform Sample Rate X	5	US
TWS1	Transmitter Waveform Select 1	2	
TWS2	Transmitter Waveform Select 2	0	
TWS3	Transmitter Waveform Select 3	4	
TWS4	Transmitter Waveform Select 4	6	
TWS5	Transmitter Waveform Select 5	6	
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFDTSP1	SAM1 Waveform Delta for Spectrum	0	US/F
WFDTSP2	SAM2 Waveform Delta for Spectrum	0	US/F
WFDTSP3	SAM3 Waveform Delta for Spectrum	0	US/F
WFDTSP4	SAM4 Waveform Delta for Spectrum	0	US/F
WFDTSPX	SAMX Waveform Delta for Spectrum	0	US/F
WFLLSP1	SAM1 Waveform Lower Limit for Spectrum	0	US
WFLLSP2	SAM2 Waveform Lower Limit for Spectrum	0	US
WFLLSP3	SAM3 Waveform Lower Limit for Spectrum	0	US
WFLLSP4	SAM4 Waveform Lower Limit for Spectrum	0	US
WFLLSPX	SAMX Waveform Lower Limit for Spectrum	0	US
WFM1	Waveform Mode 1	W1	
WFM2	Waveform Mode 2	W1	
WFM3	Waveform Mode 3	W1	
WFM4	Waveform Mode 4	W1	
WFM5	Waveform Mode 5	W1	
WFMX	Waveform Mode X	W1	
WFULSP1	SAM1 Waveform Upper Limit for Spectrum	20000	US
WFULSP2	SAM2 Waveform Upper Limit for Spectrum	20000	US
WFULSP3	SAM3 Waveform Upper Limit for Spectrum	20000	US

WFULSP3	SAM3 Waveform Upper Limit for Spectrum	20000	US
WFULSP4	SAM4 Waveform Upper Limit for Spectrum	20000	US
WFULSPX	SAMX Waveform Upper Limit for Spectrum	20000	US
XMT1	Transmitter Select 1	DLO	
XMT2	Transmitter Select 2	DUP	
XMT3	Transmitter Select 3	MONO	
XMT4	Transmitter Select 4	MONO	
XMT5	Transmitter Select 5	MONO	
XMTX	Transmitter Select X	DUP	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
CALSTAT	HRLTB Calibration Status	SHALLOW_DONE	
CALTEMP	HRLTB Calibration Temperature	2.87911	DEGC
FREQ0	HRLT Frequency Index for Mode 0	32	
FREQ1	HRLT Frequency Index for Mode 1	128	
FREQ2	HRLT Frequency Index for Mode 2	104	
FREQ3	HRLT Frequency Index for Mode 3	86	
FREQ4	HRLT Frequency Index for Mode 4	56	
FREQ5	HRLT Frequency Index for Mode 5	44	
FREQ6	HRLT Frequency Index for Mode 6	116	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	BARITE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
LOOPCOEF_S	HRLT Loop Coefficient for Shallow Modes	LOW	
LOOPMOD0	HRLT Mode 0 Loop Mode	AUTO	
LOOPMOD1	HRLT Mode 1 Loop Mode	AUTO	
LOOPMOD2	HRLT Mode 2 Loop Mode	AUTO	
LOOPMOD3	HRLT Mode 3 Loop Mode	AUTO	
LOOPMOD4	HRLT Mode 4 Loop Mode	AUTO	
LOOPMOD5	HRLT Mode 5 Loop Mode	AUTO	
LOOPMOD6	HRLT Mode 6 Loop Mode	AUTO	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PROCIINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	
SHT	Surface Hole Temperature	55	DEGF
HLDS: Hostile Litho-Density Sonde			
CLCL	HLDS LS Control Loop Controller Mode	AUTO_DEFAULT	
CLCS	HLDS SS Control Loop Controller Mode	AUTO_DEFAULT	
CLLS	HLDS Mode Loop Long Spacing	AUTO	
CLSS	HLDS Mode Loop Short Spacing	AUTO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1	G/C3
LATC	HLDS Activation Correction	OFF	
LLDL	HLDS LS Low Level Discriminator DAC	14000	
LLDS	HLDS SS Low Level Discriminator DAC	14000	
LLML	HLDS LS Low Level Discriminator Mode	AUTO	
LLMS	HLDS SS Low Level Discriminator Mode	AUTO	
MDEN	Matrix Density	2.6	G/C3
PHVL	HLDS Long Spacing High Voltage Setting	1000	V
PHVS	HLDS Short Spacing High Voltage Setting	1000	V
PSDL	HLDS LS Pulse Shape Compensation DAC	30000	
PSDS	HLDS SS Pulse Shape Compensation DAC	30000	
PSML	HLDS LS Pulse Shape Compensation Mode	AUTO	
PSMS	HLDS SS Pulse Shape Compensation Mode	AUTO	
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	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
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	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00319633	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	

HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
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	
SHT	Surface Hole Temperature	55	DEGF
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	YES	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	55	DEGF
SOCN	Standoff Distance	0.5	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Eccentered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	
System and Miscellaneous			
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	OFF	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	4166	FT
TDD	Total Depth - Driller	1270.30	M
TDL	Total Depth - Logger	1270.11	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: MSS_Logging Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 21:06

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06	
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Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

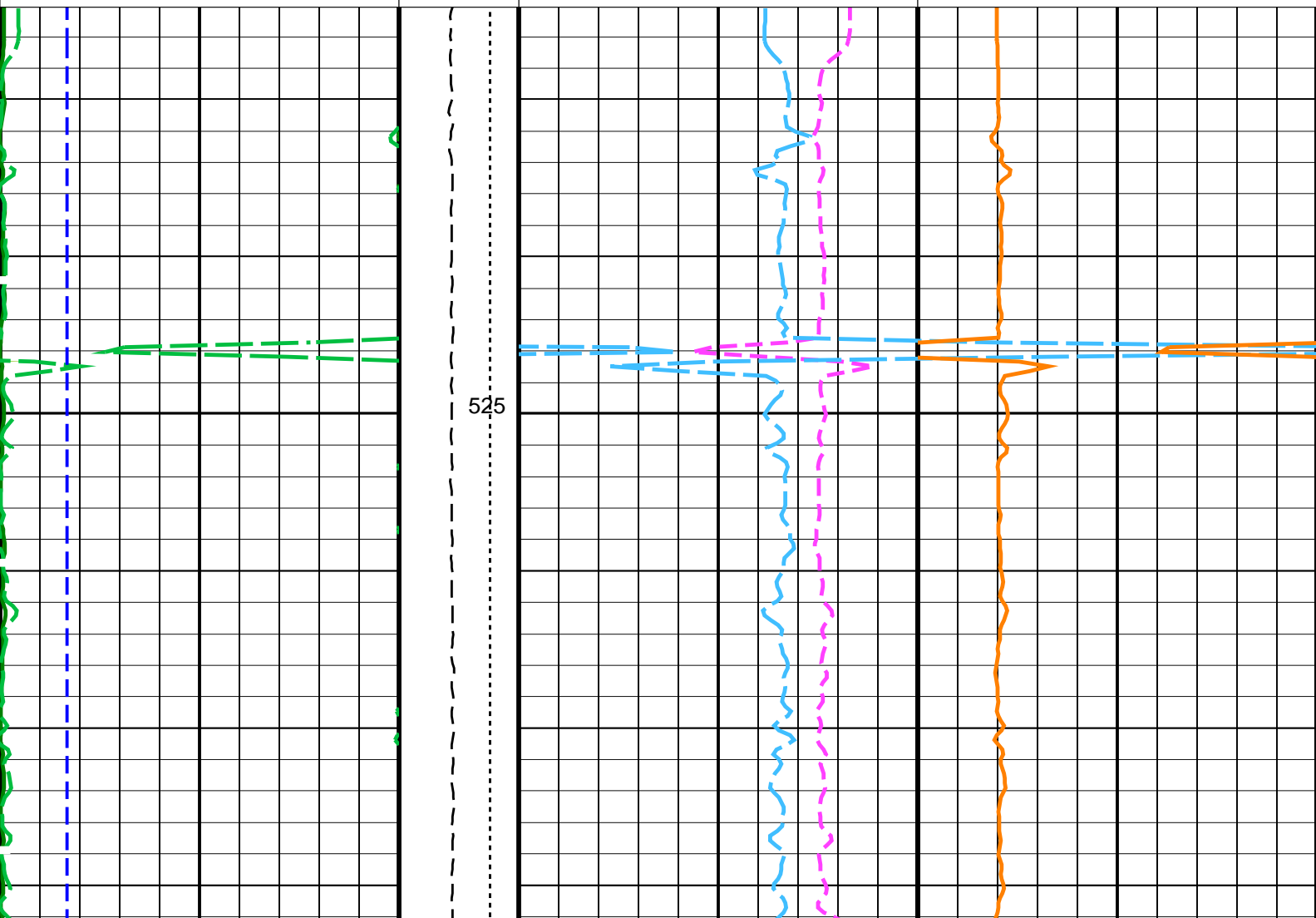
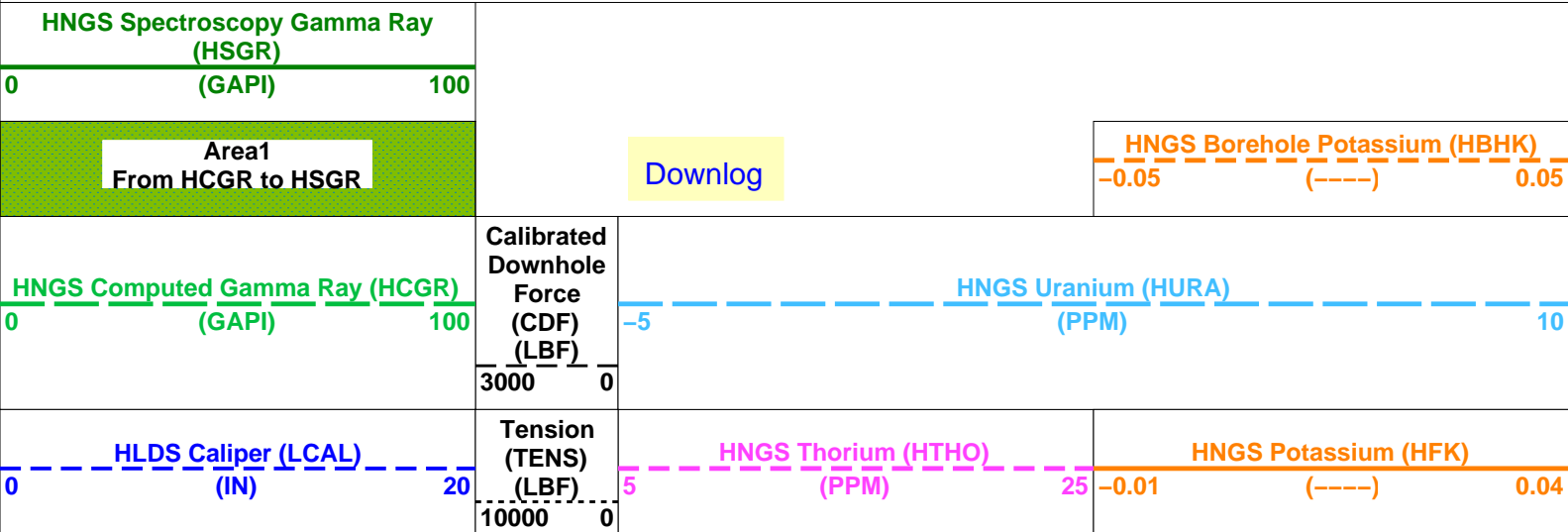
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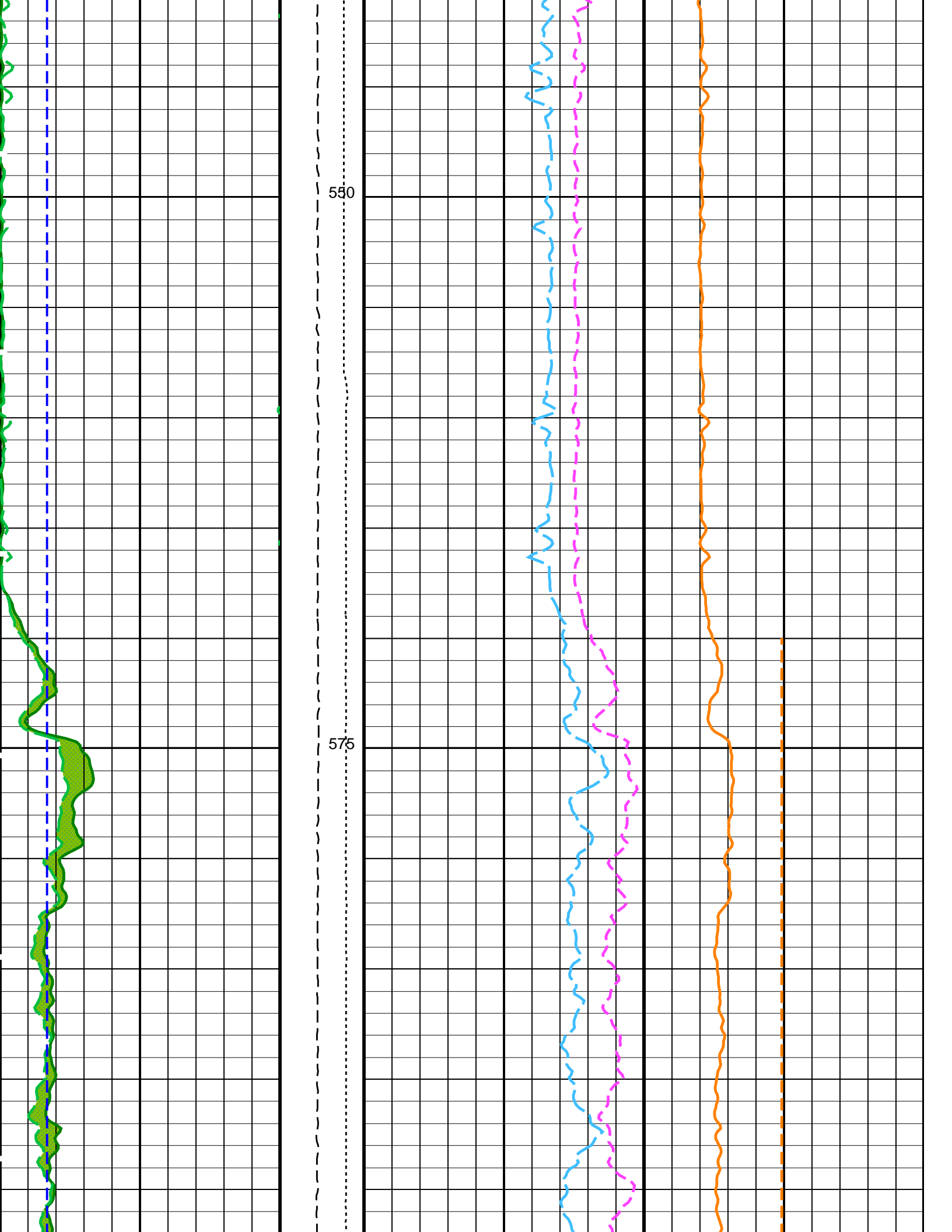
OP System Version: 19C0-187

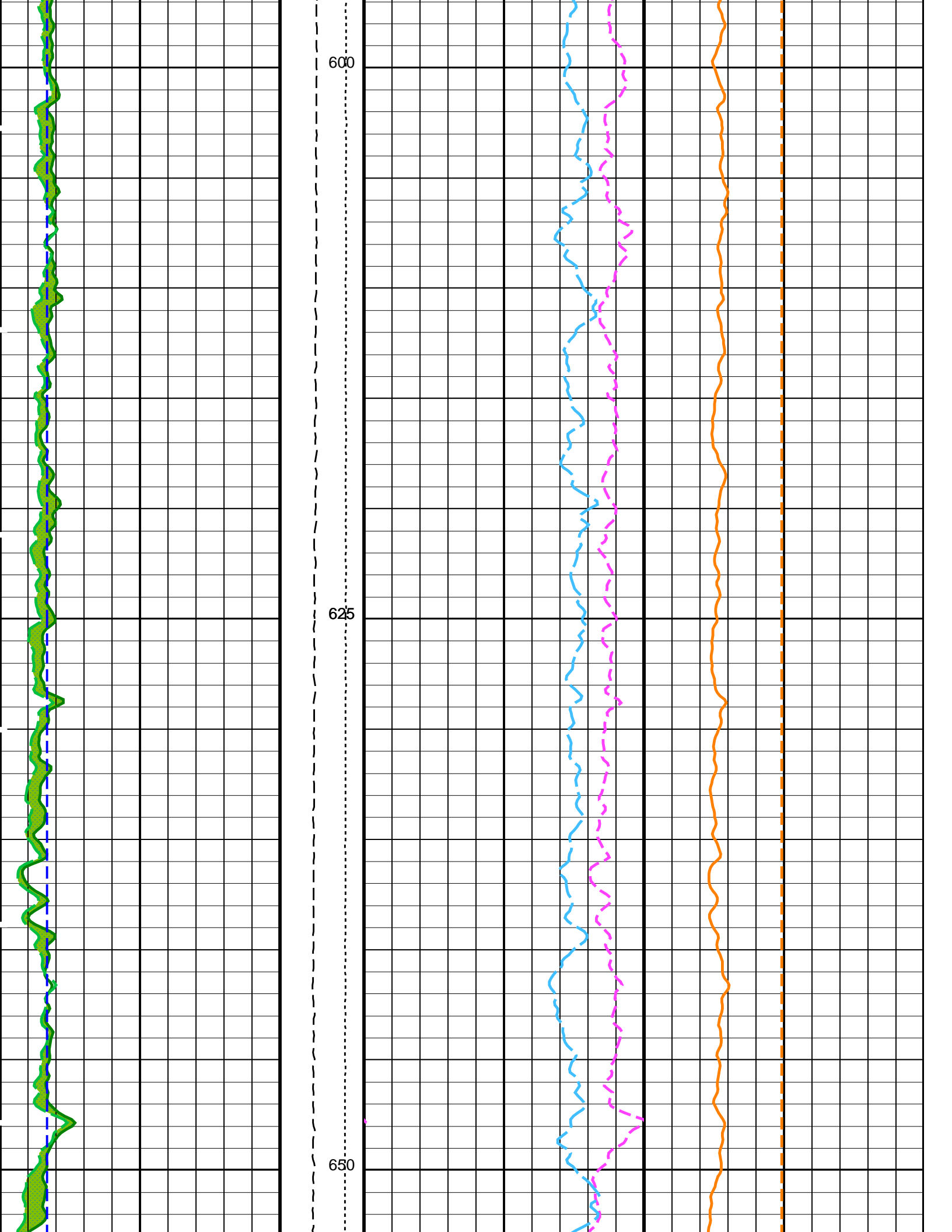
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HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

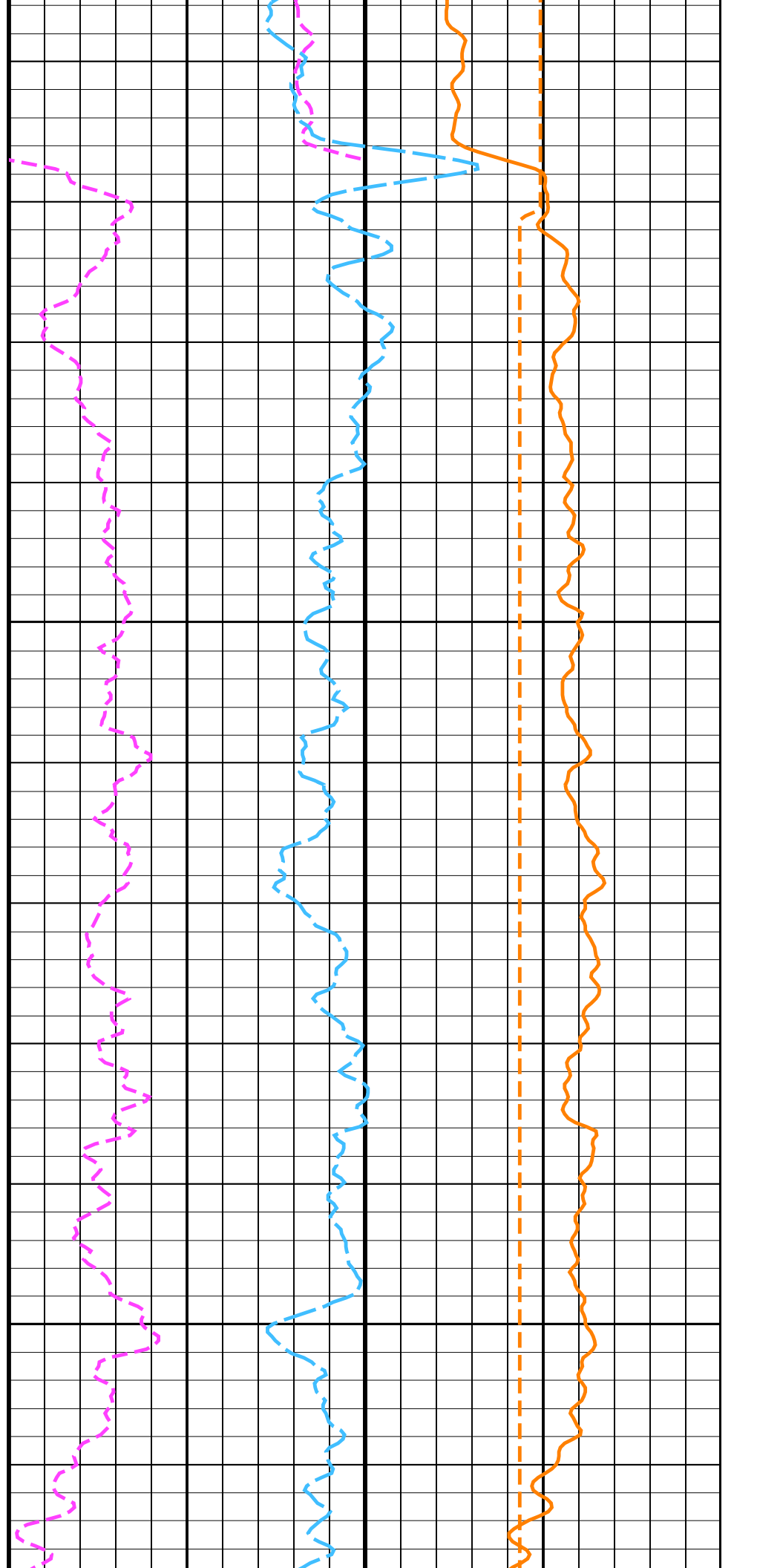
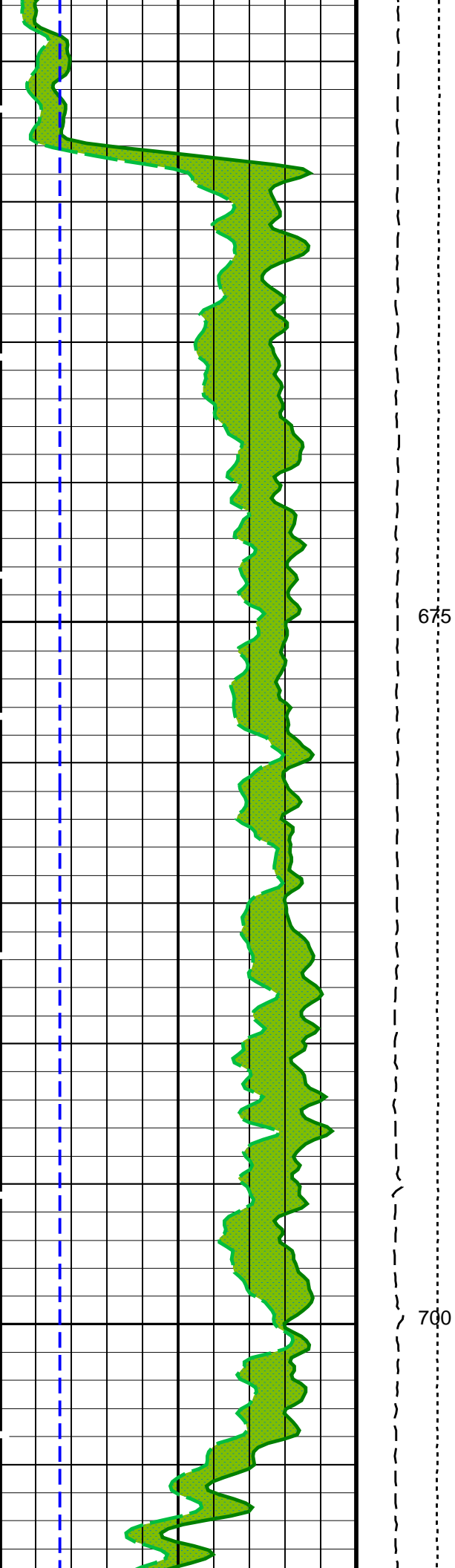
PIP SUMMARY

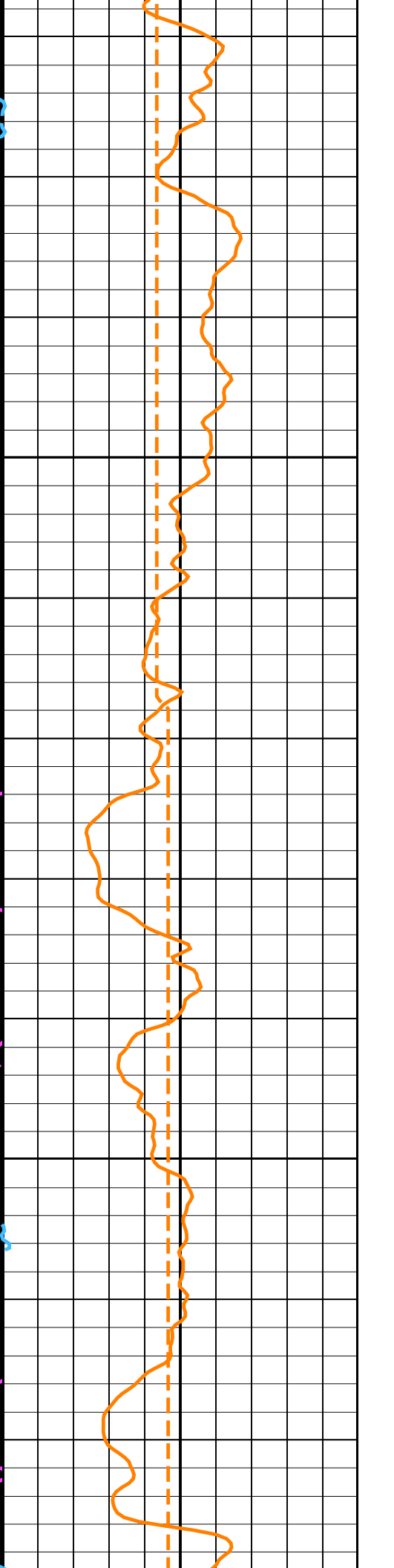
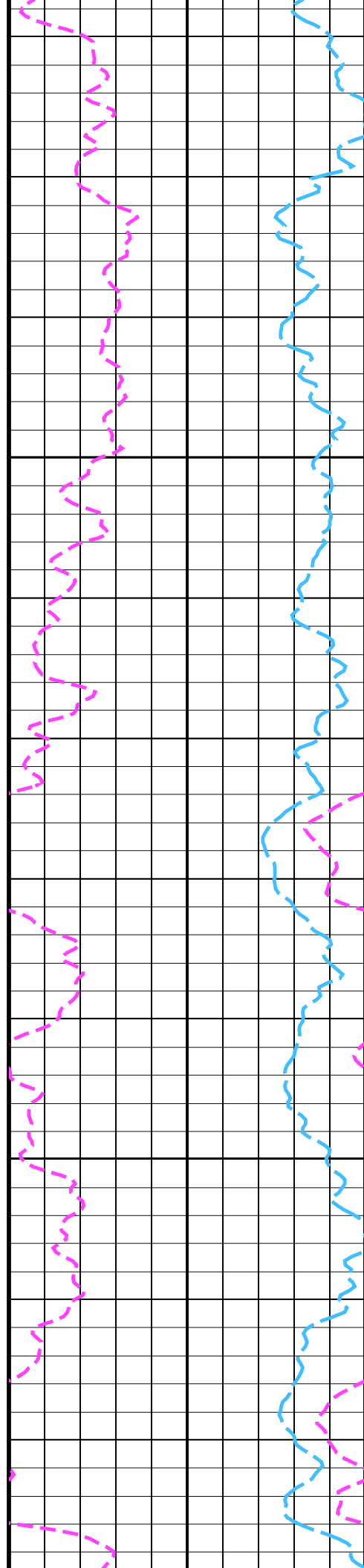
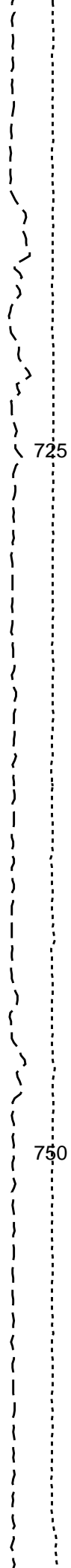
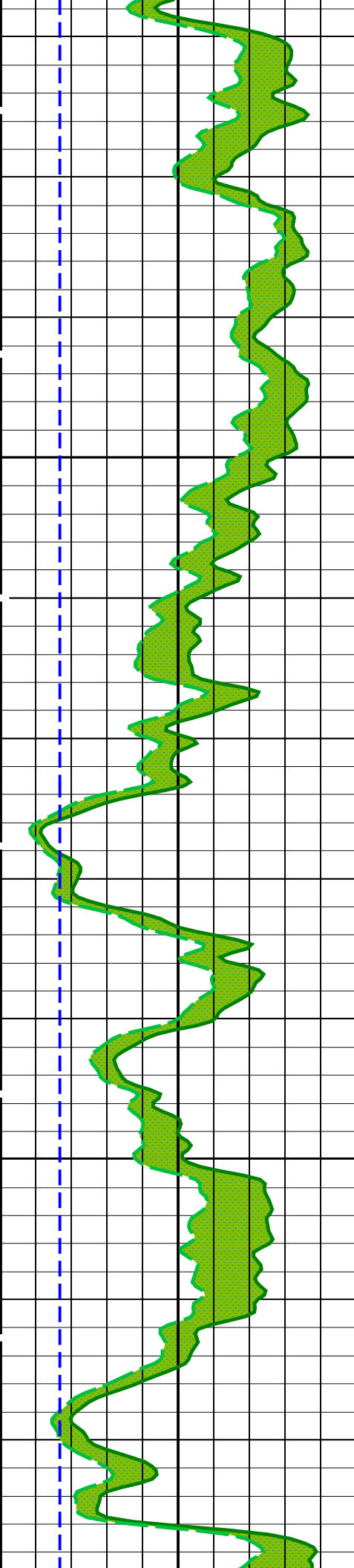
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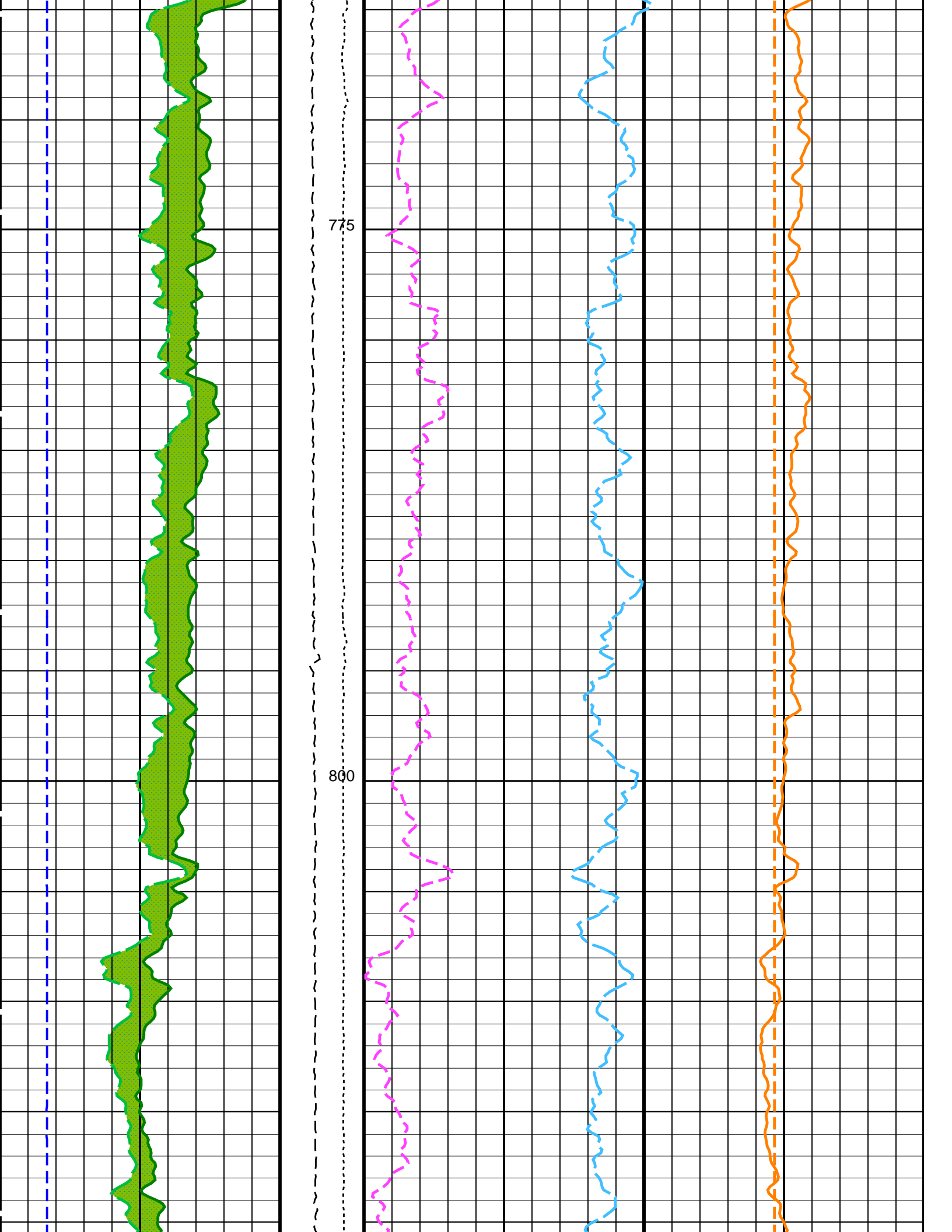


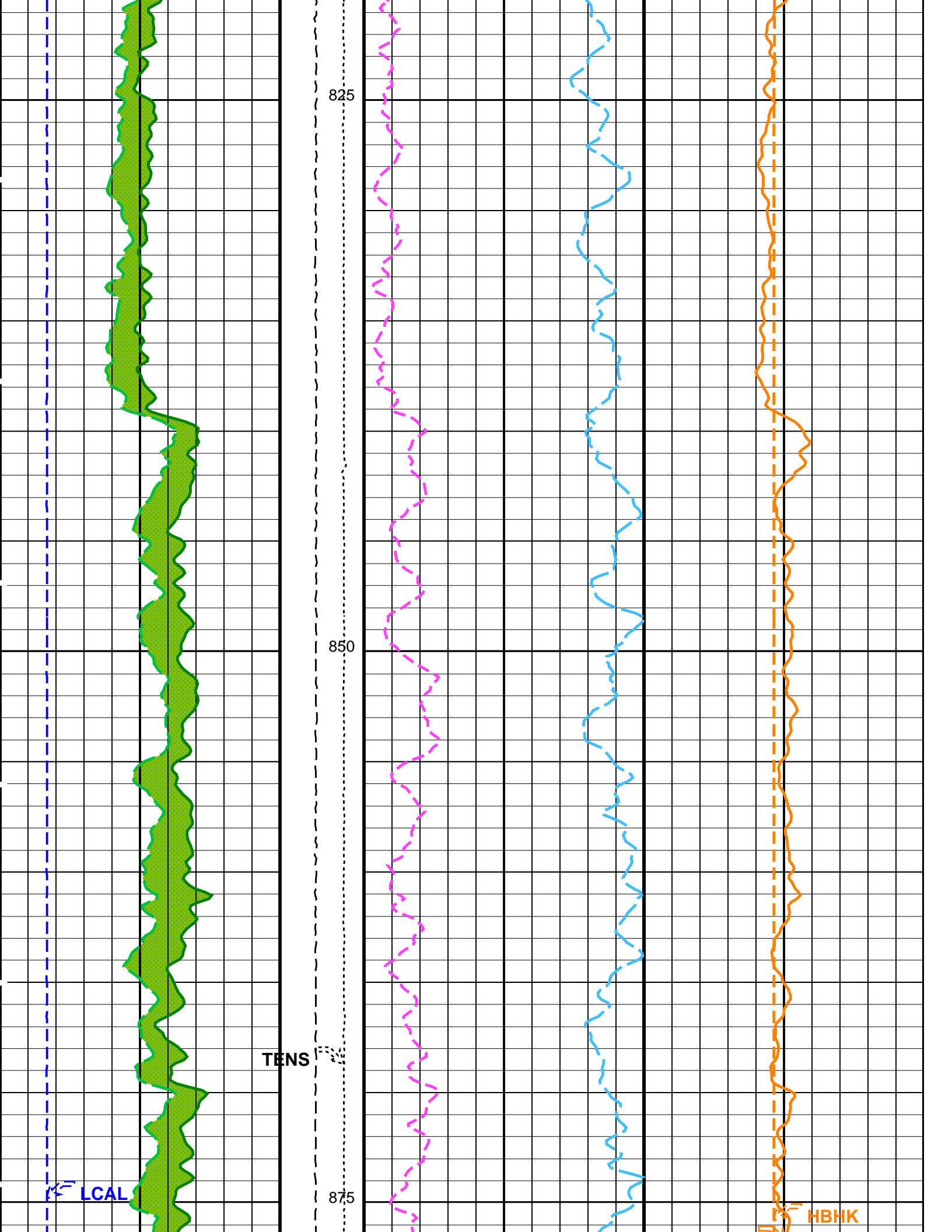


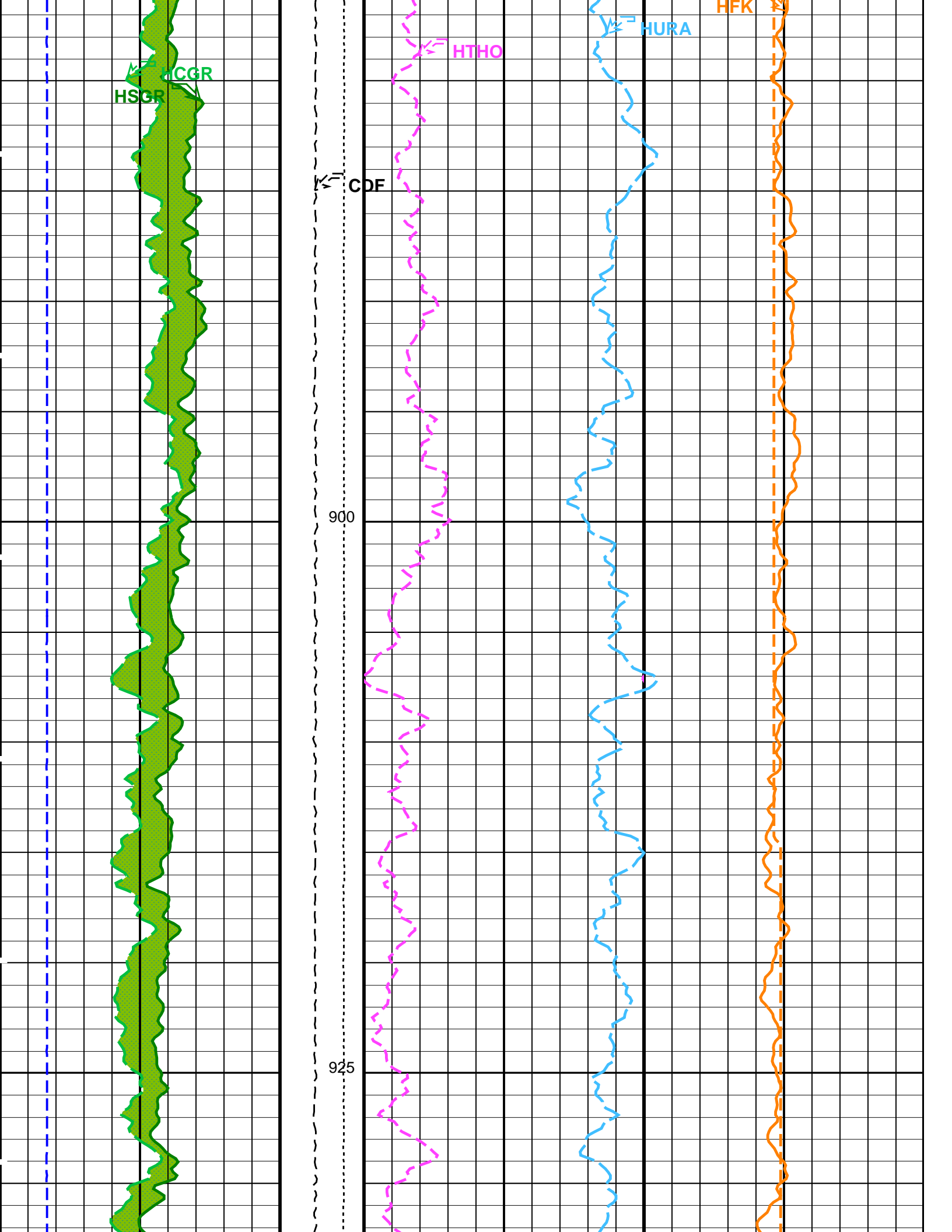


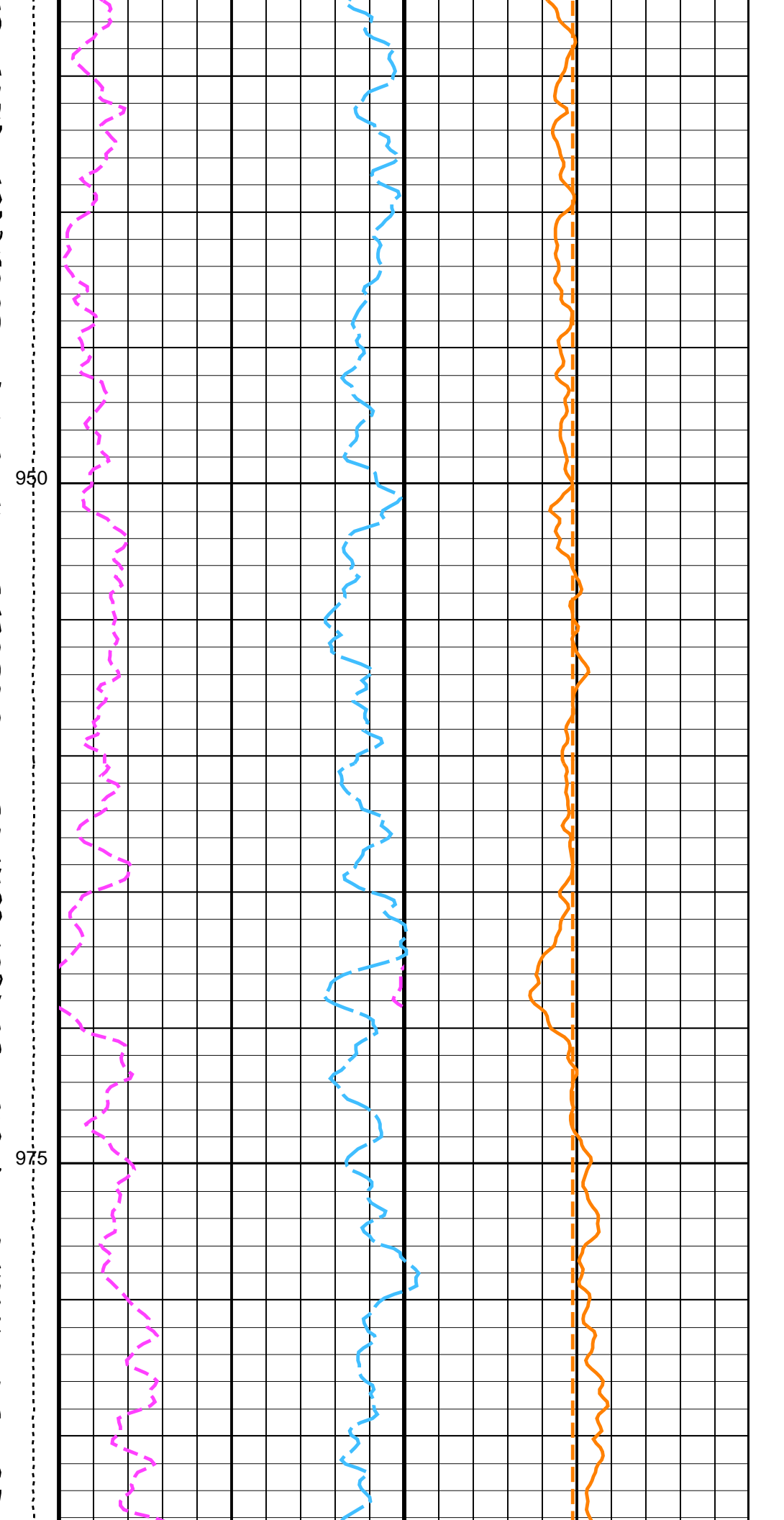
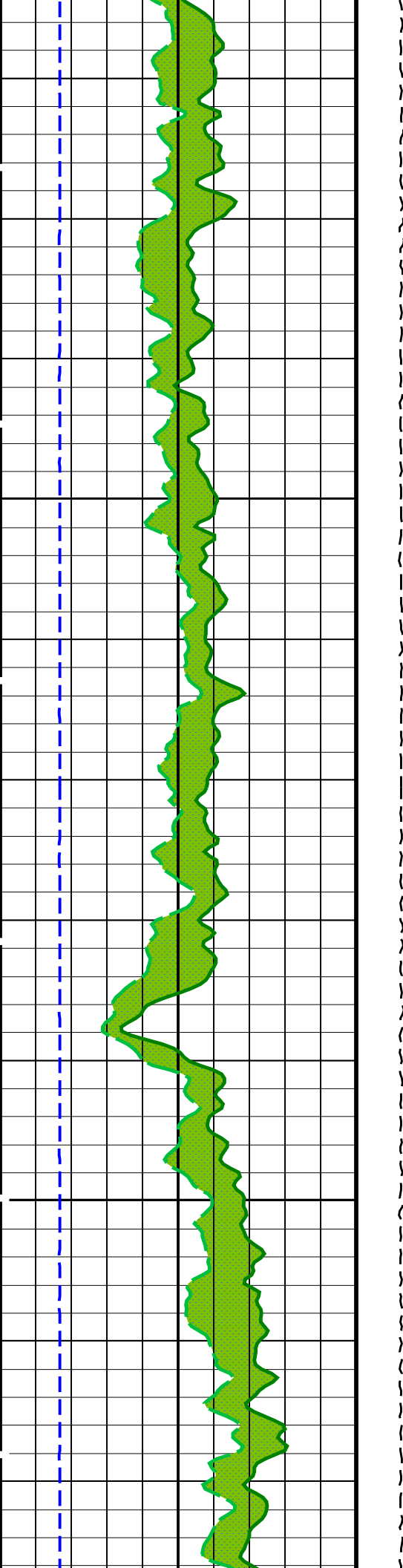


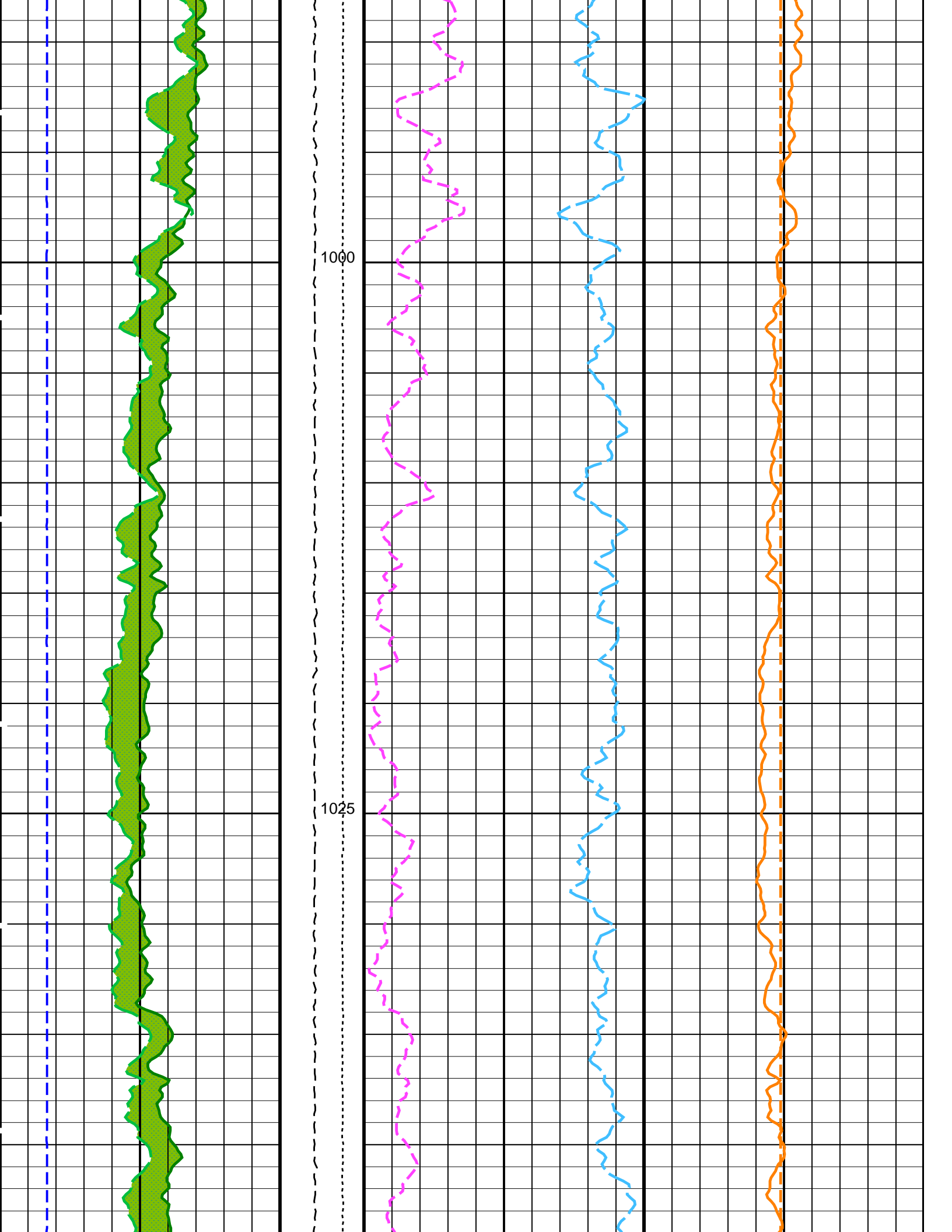


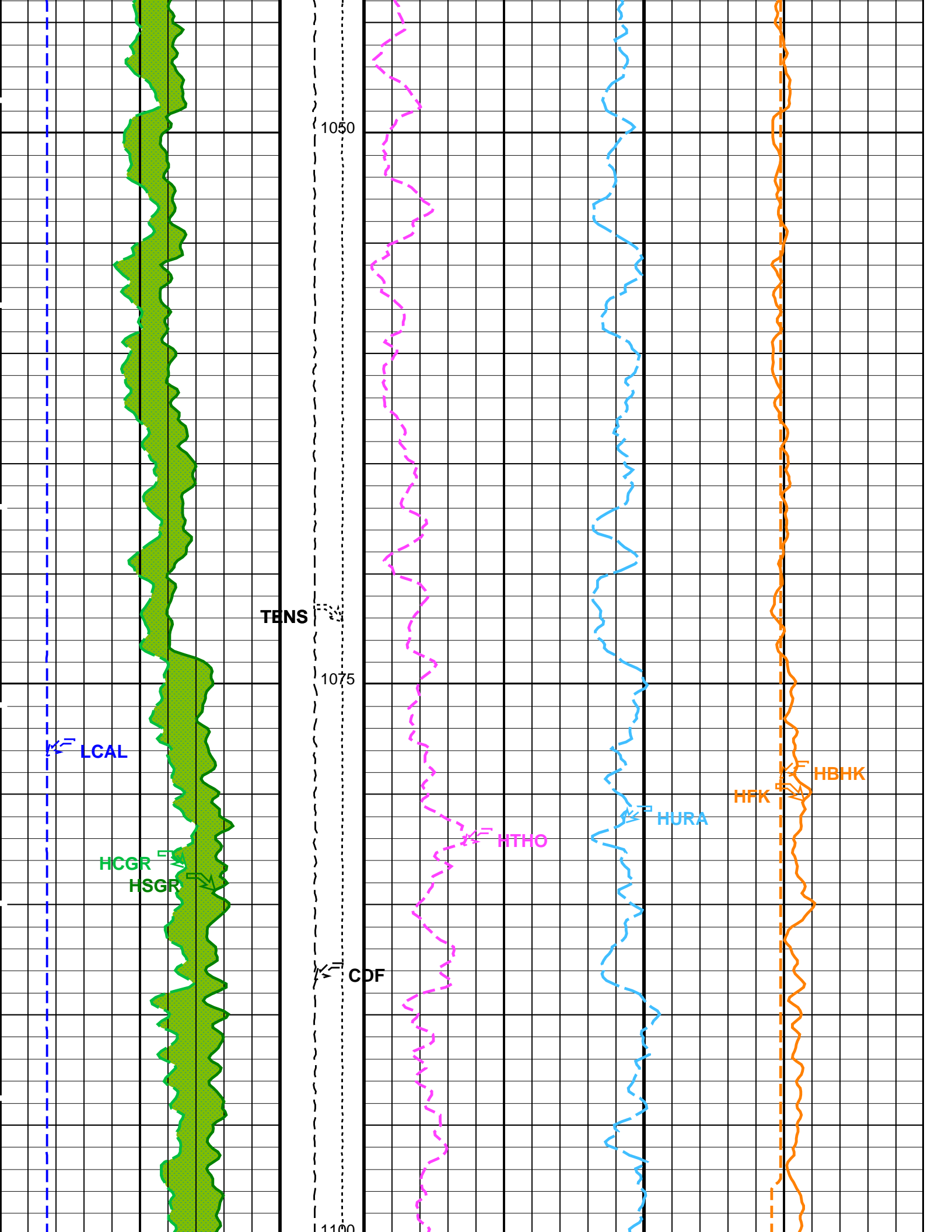


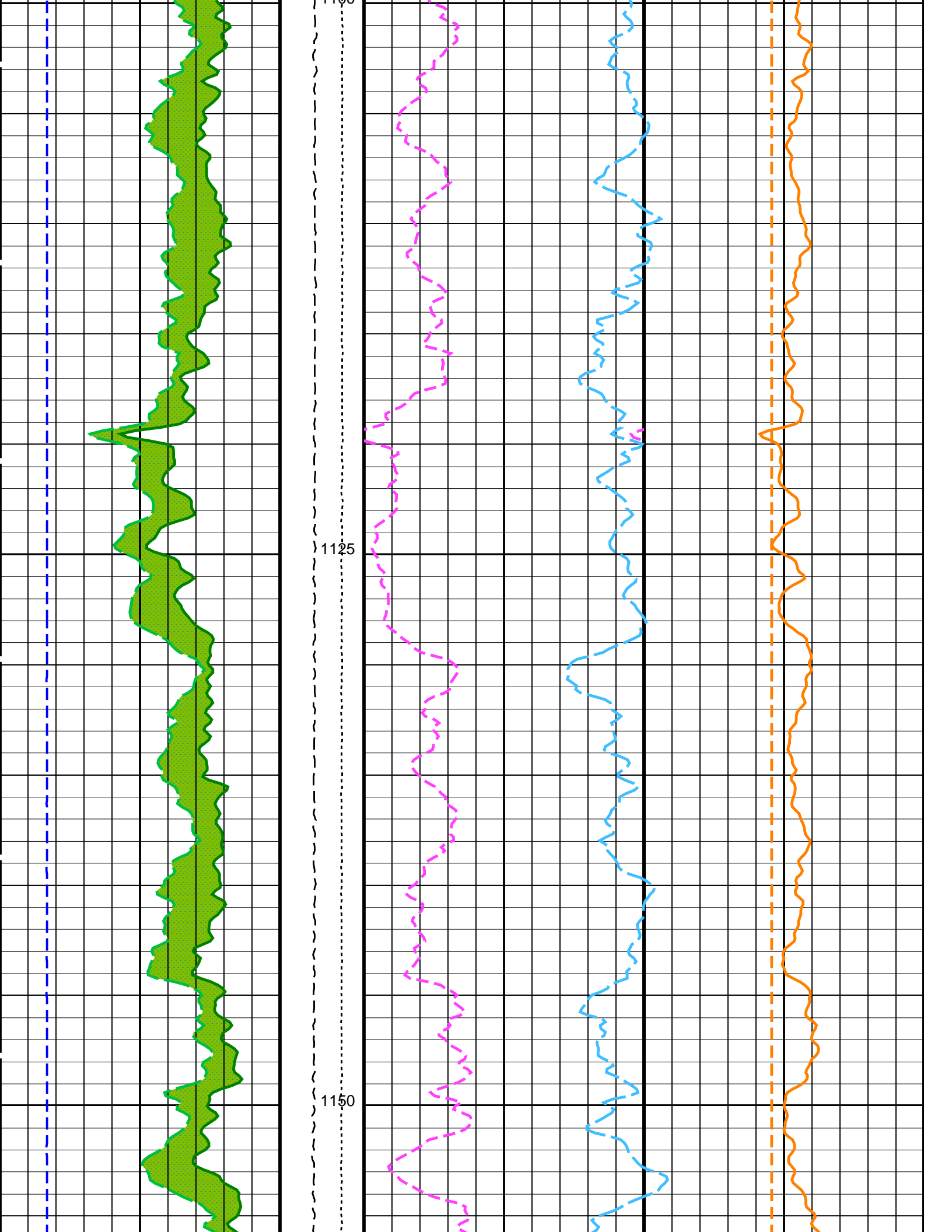


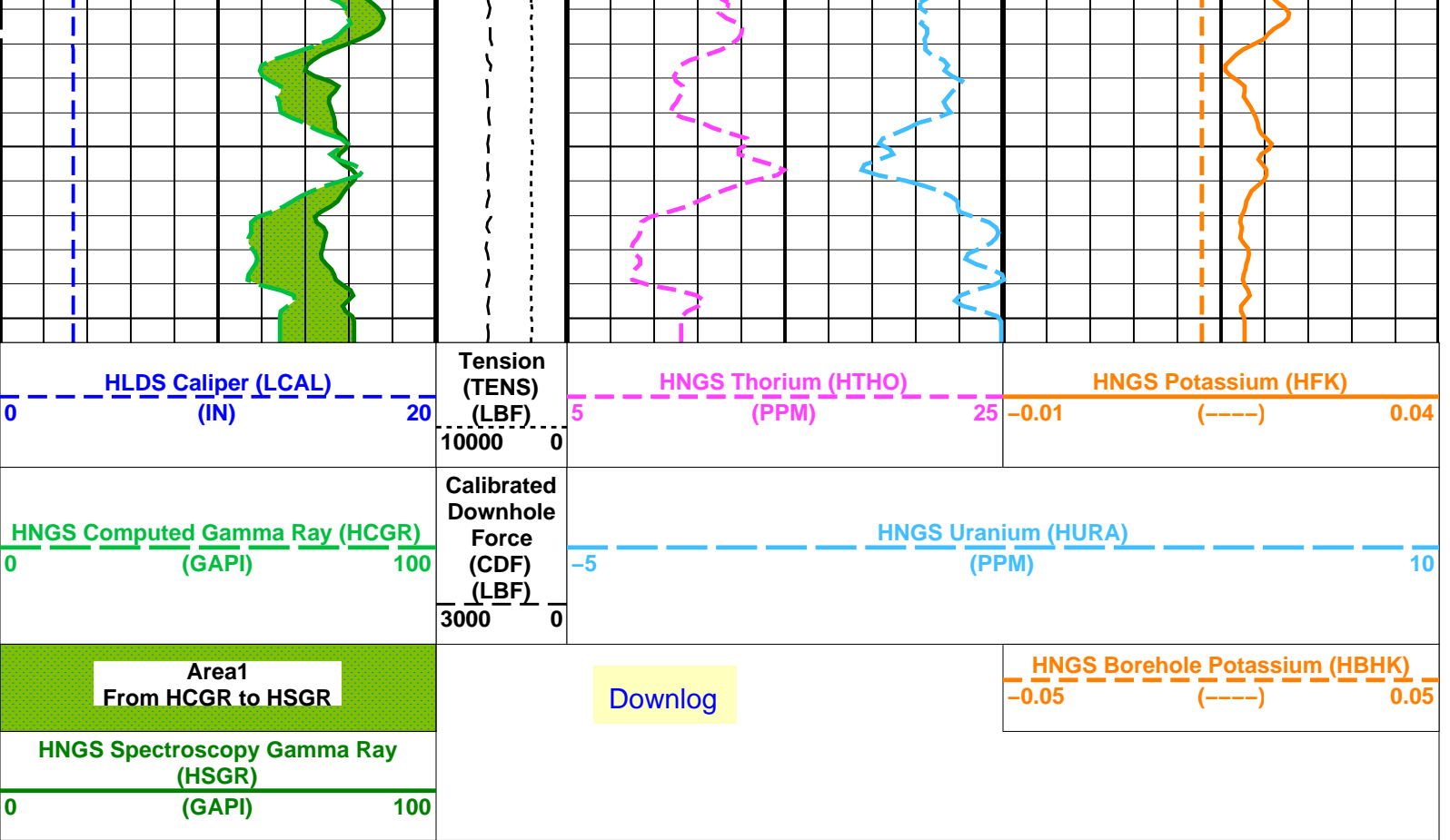












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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	-0.00319633
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	1.03762
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.26 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	OFF

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06	
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Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

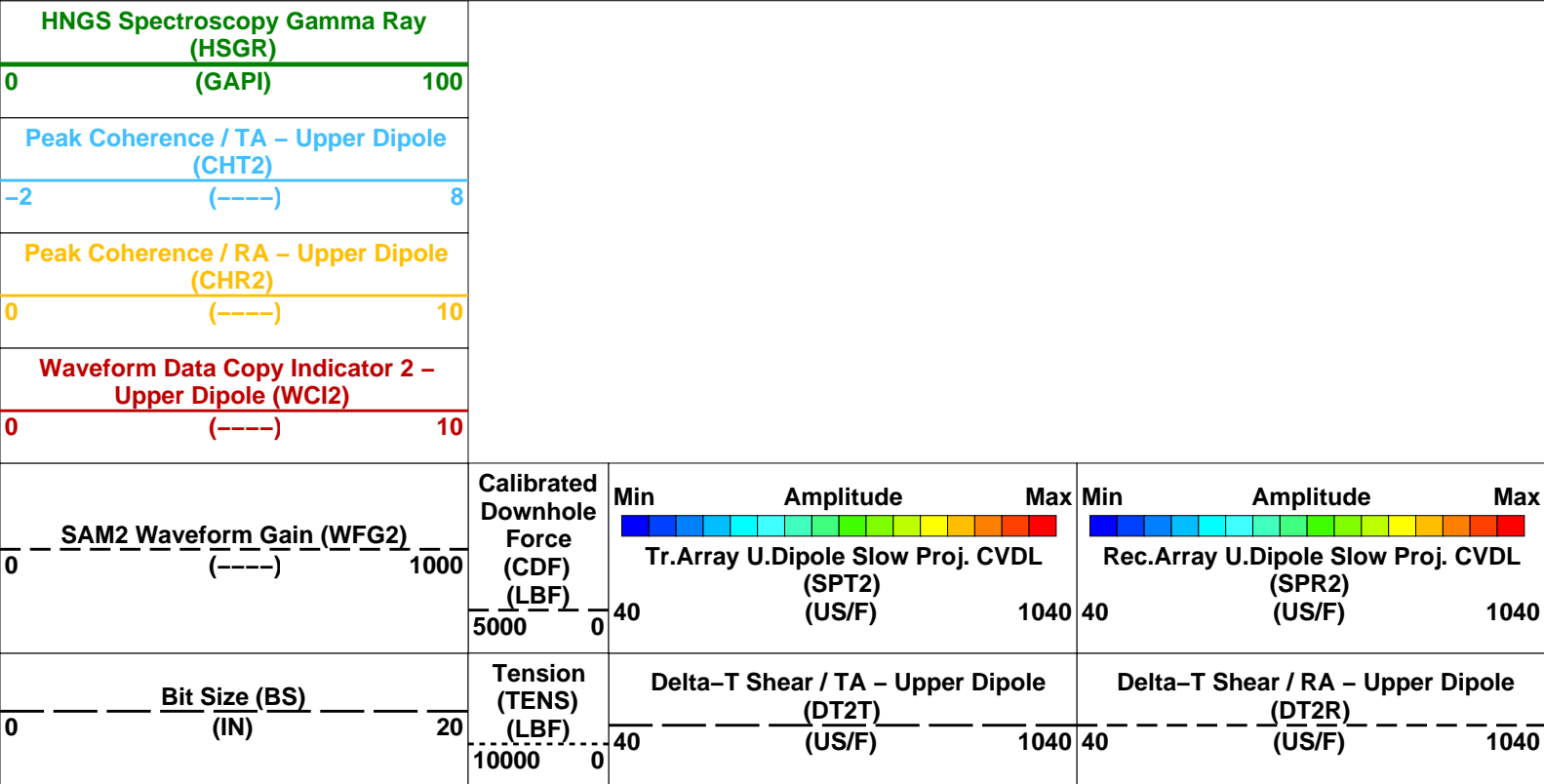
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OP System Version: 19C0-187

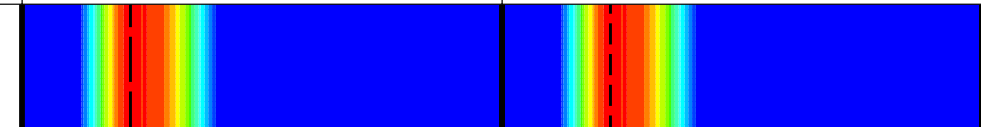
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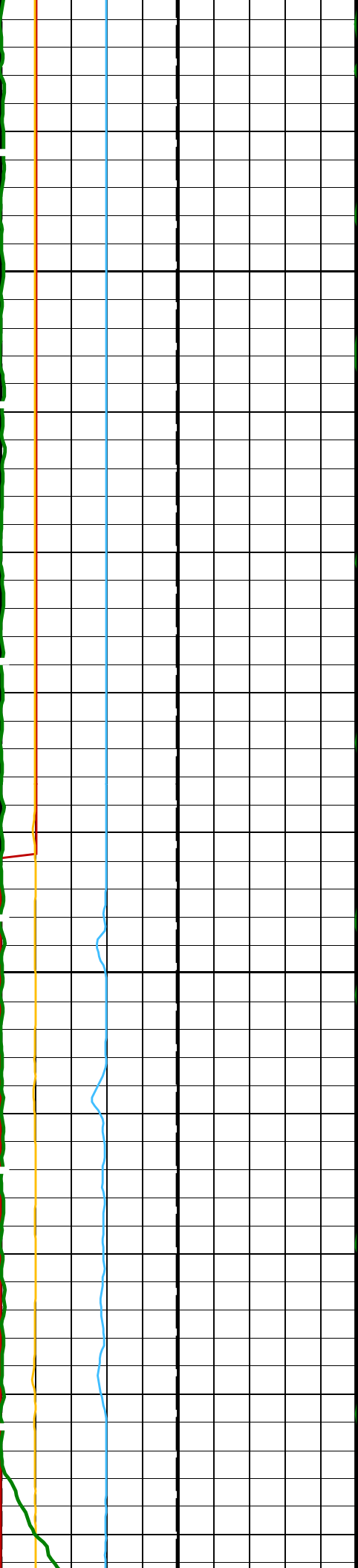
PIP SUMMARY

Time Mark Every 60 S



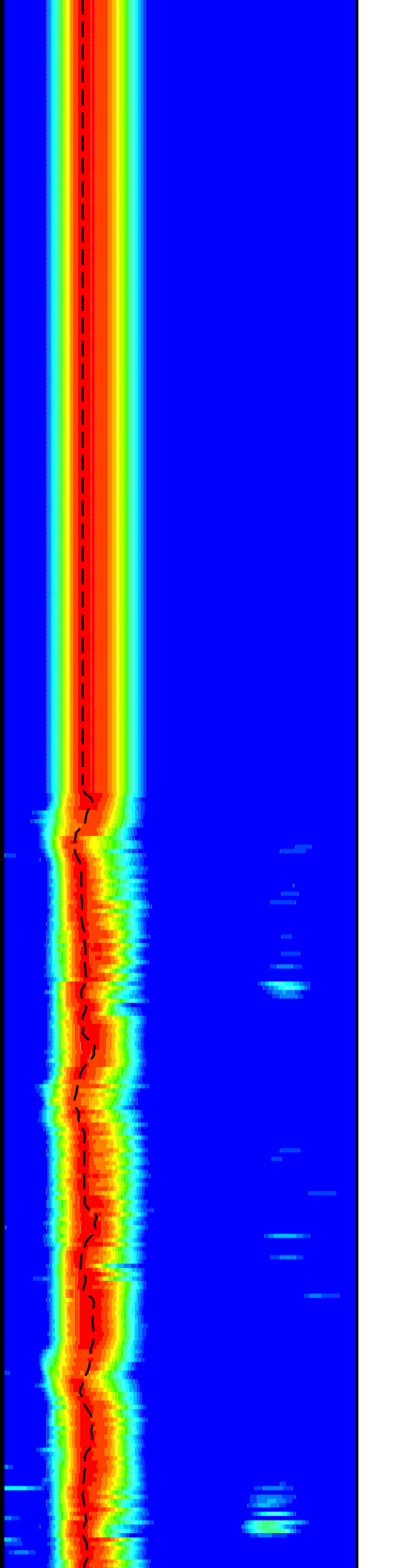
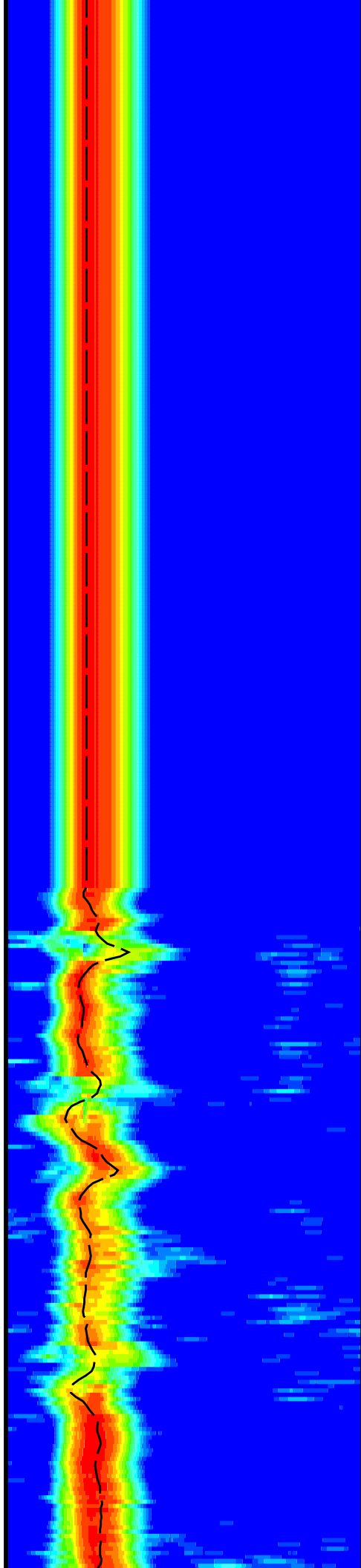
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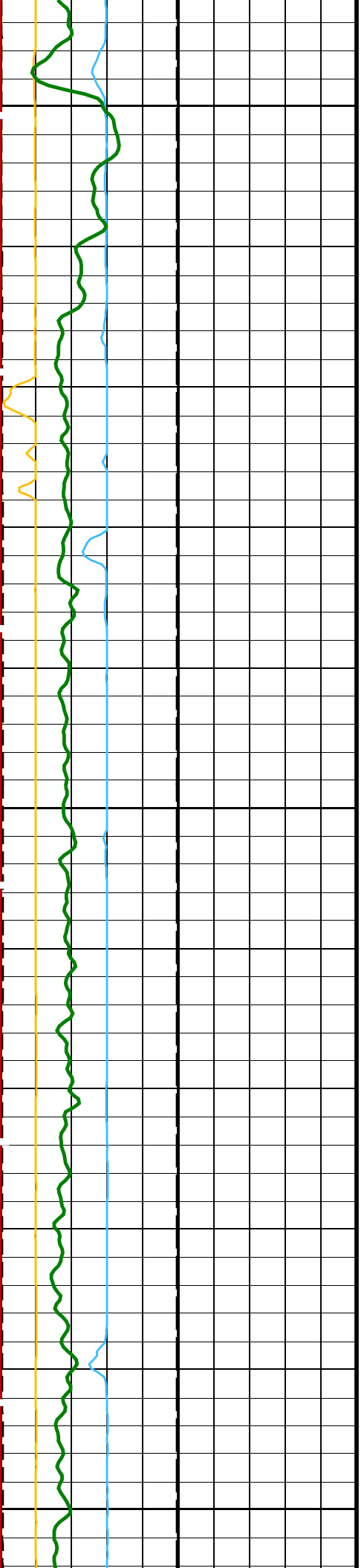




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550

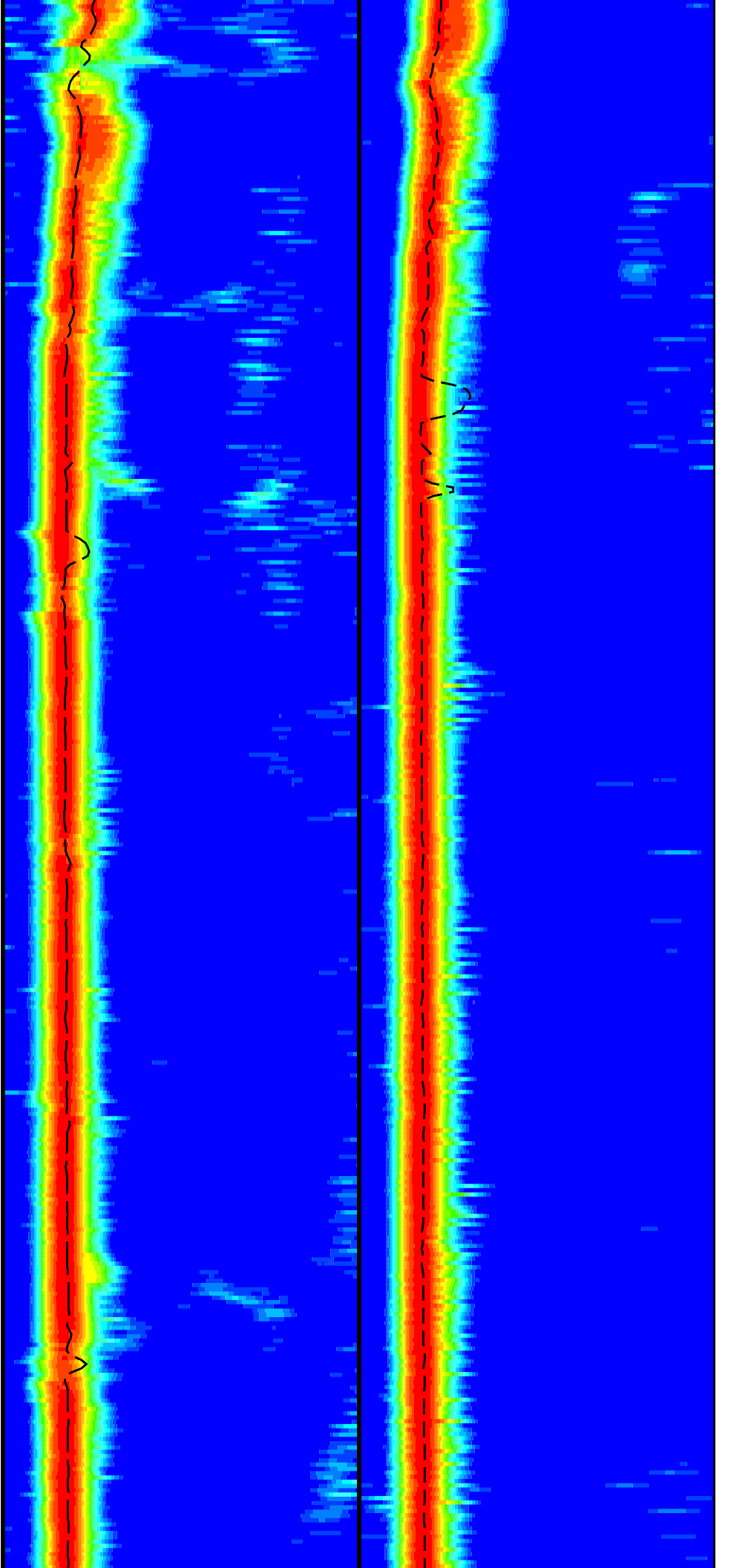


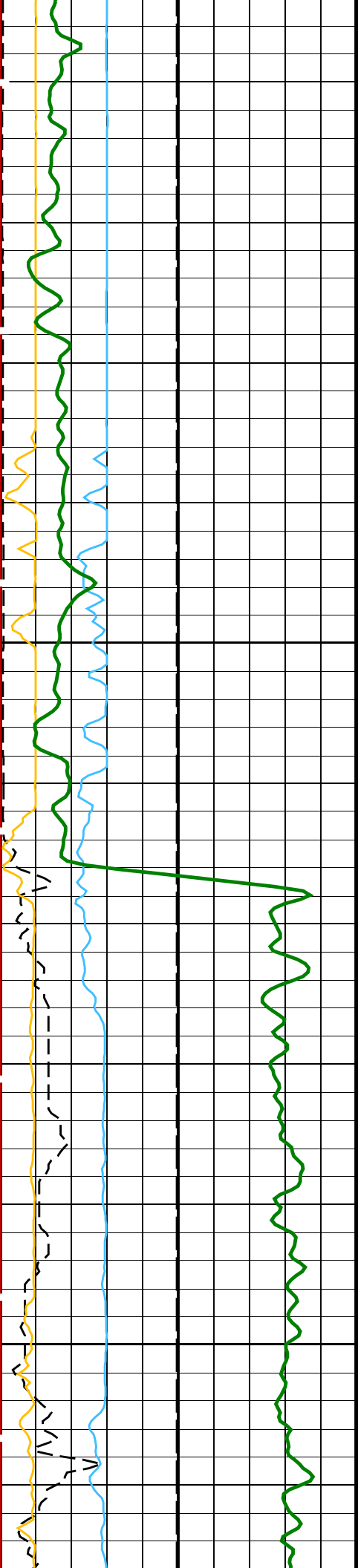


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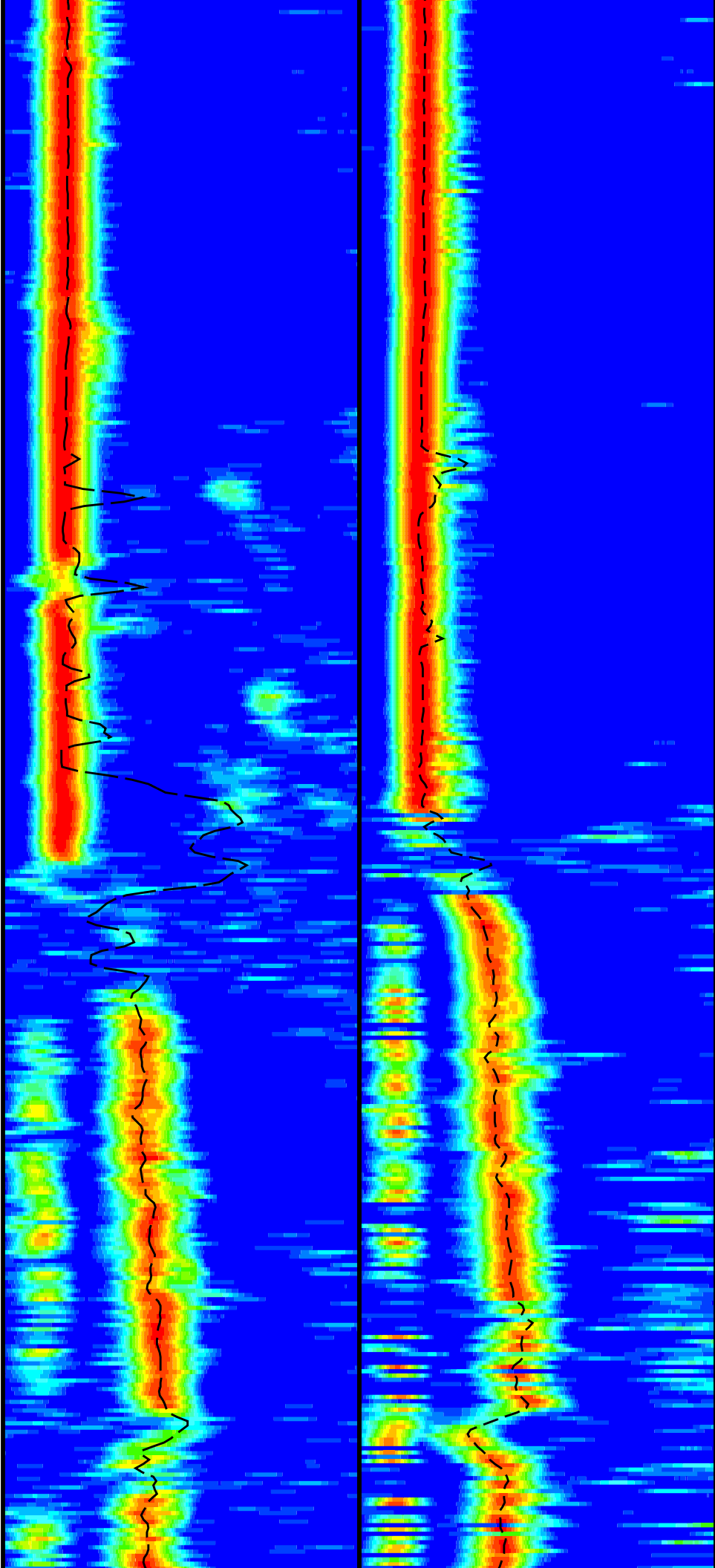
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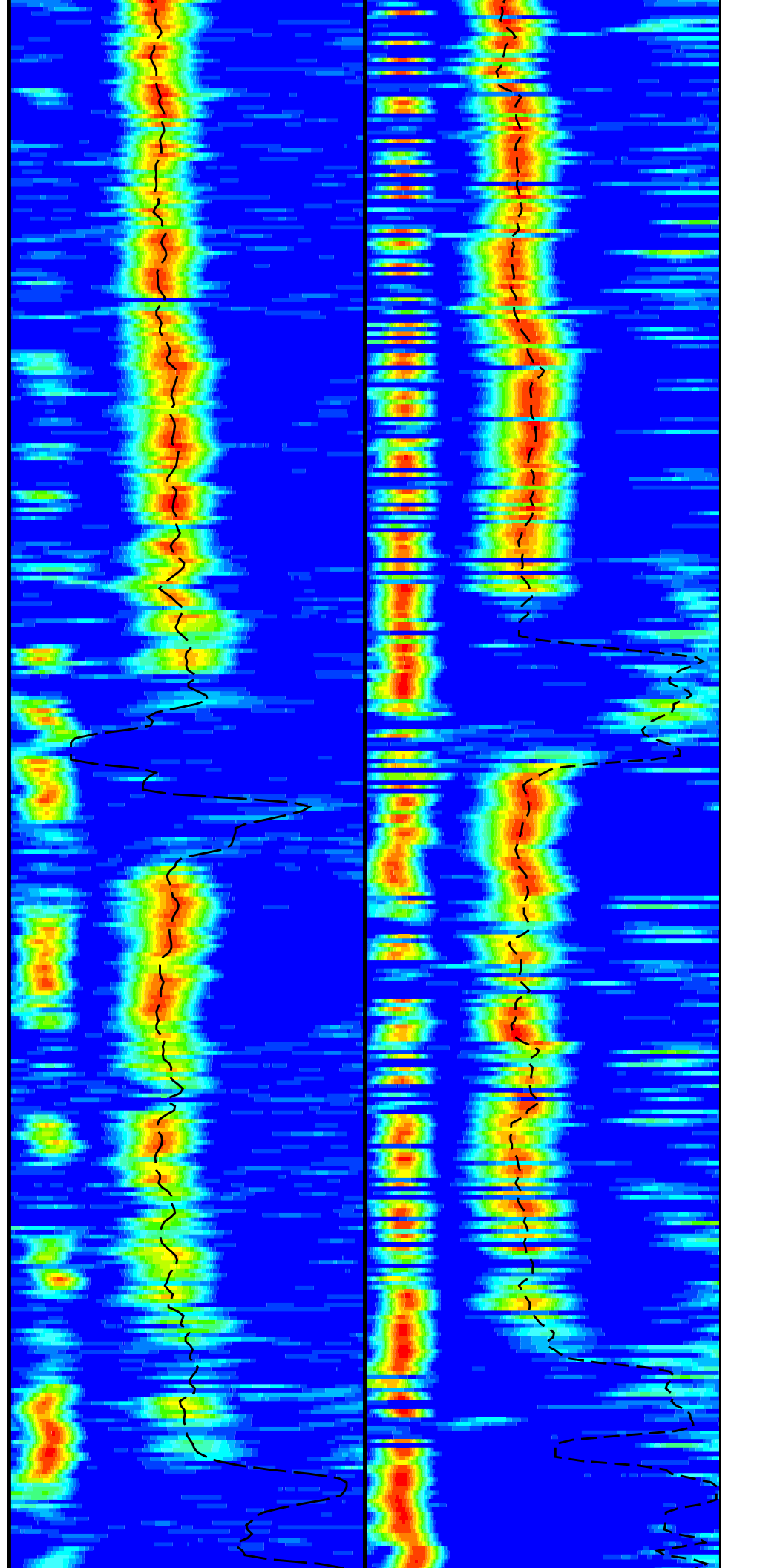
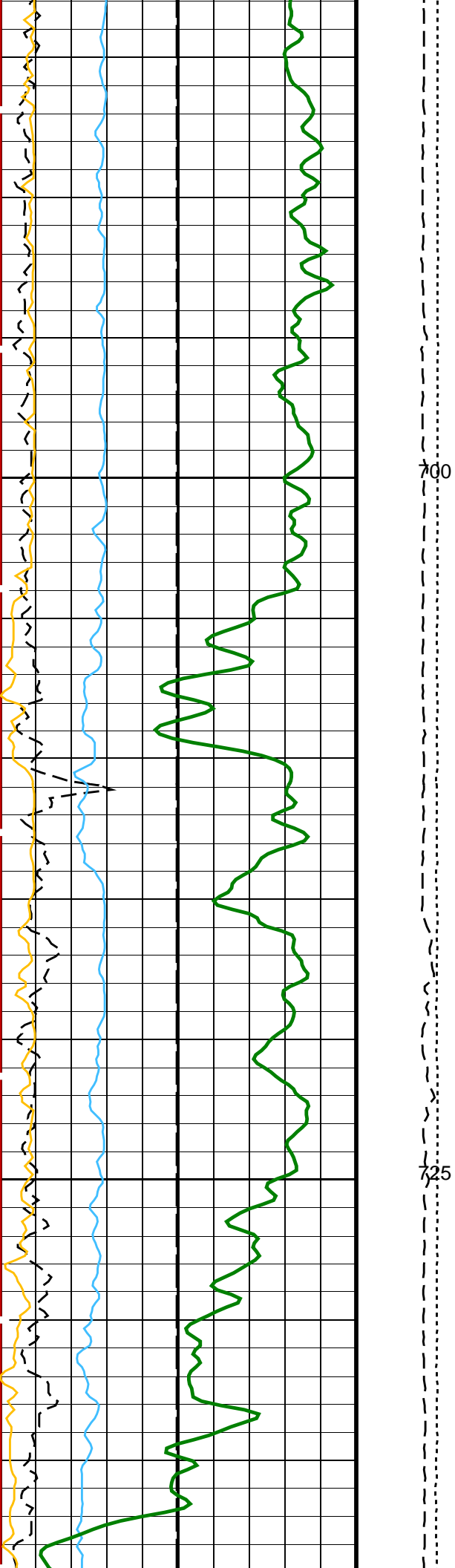


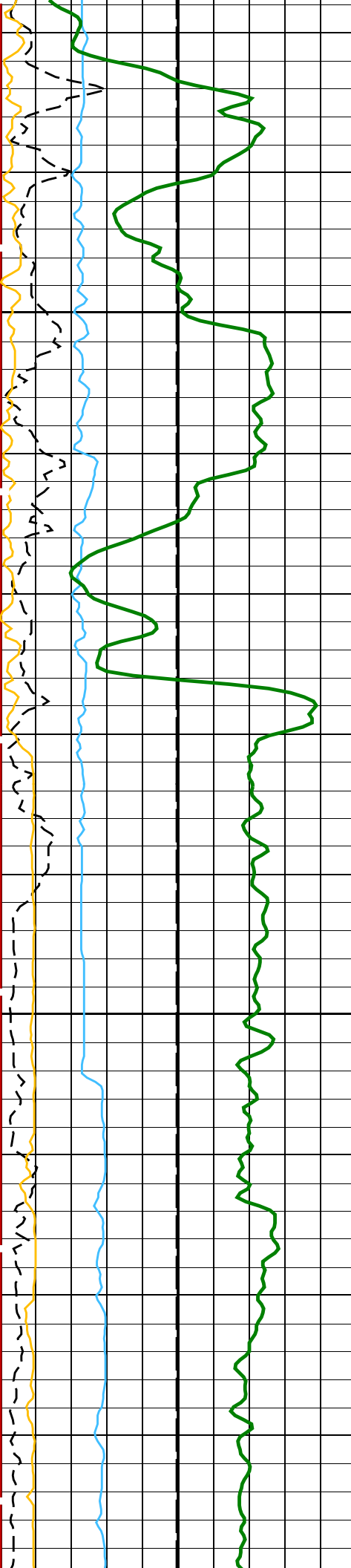


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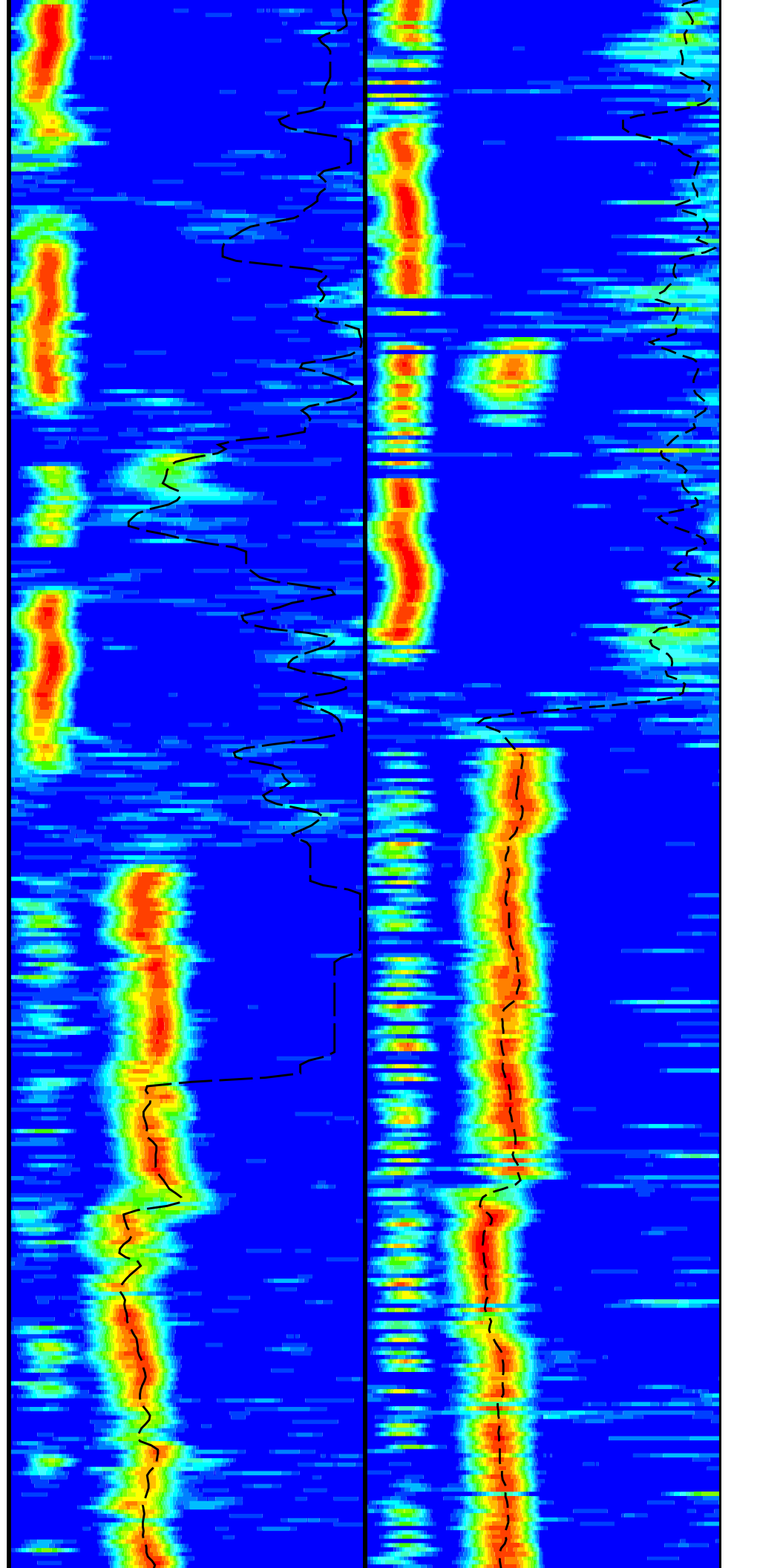


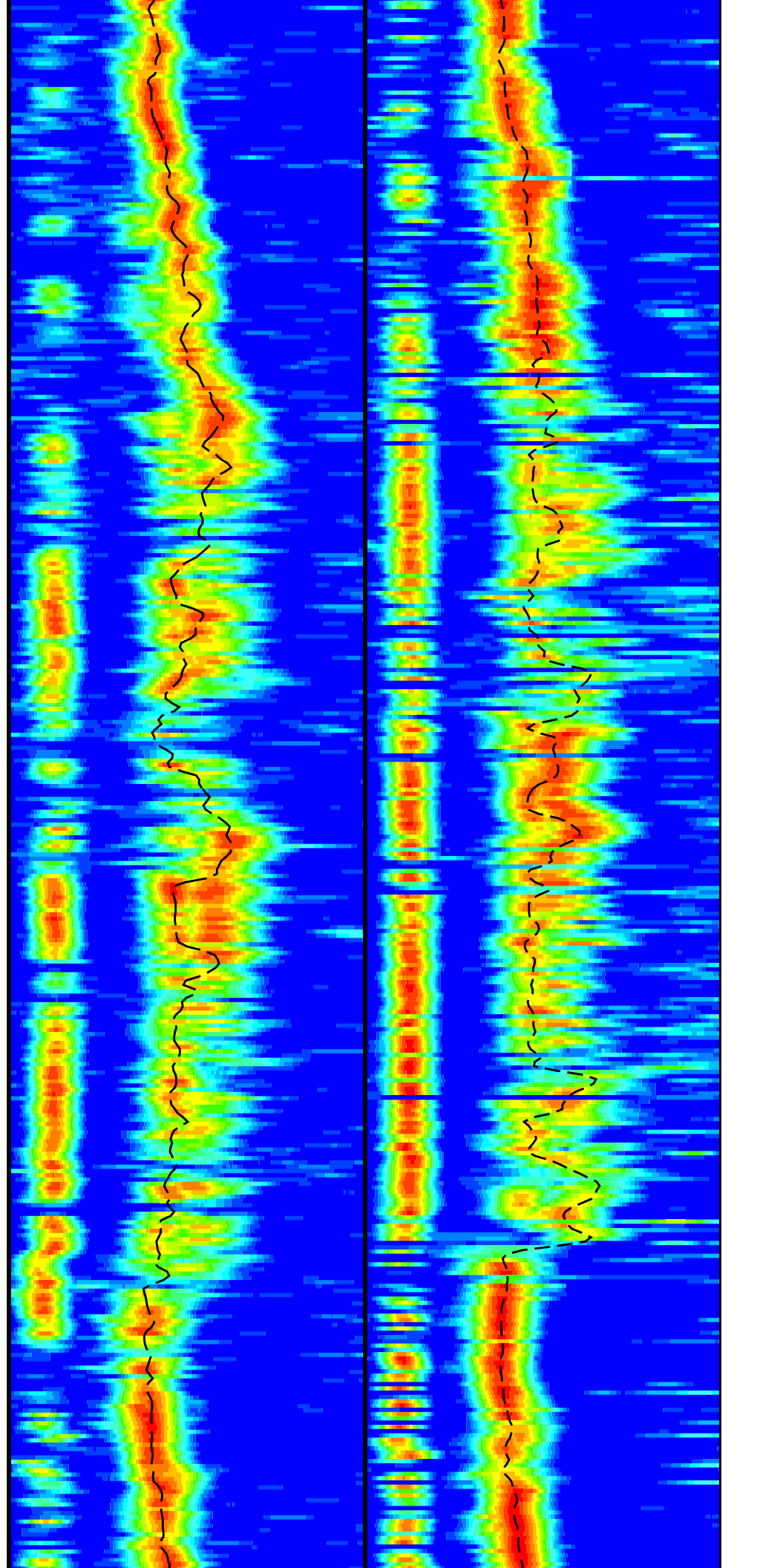
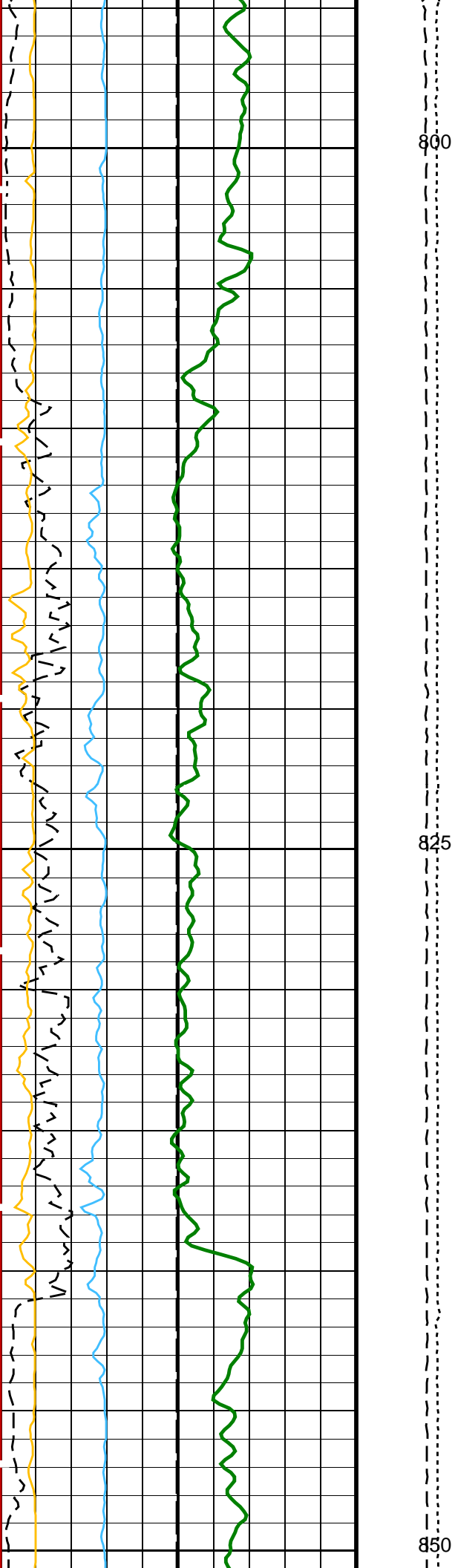


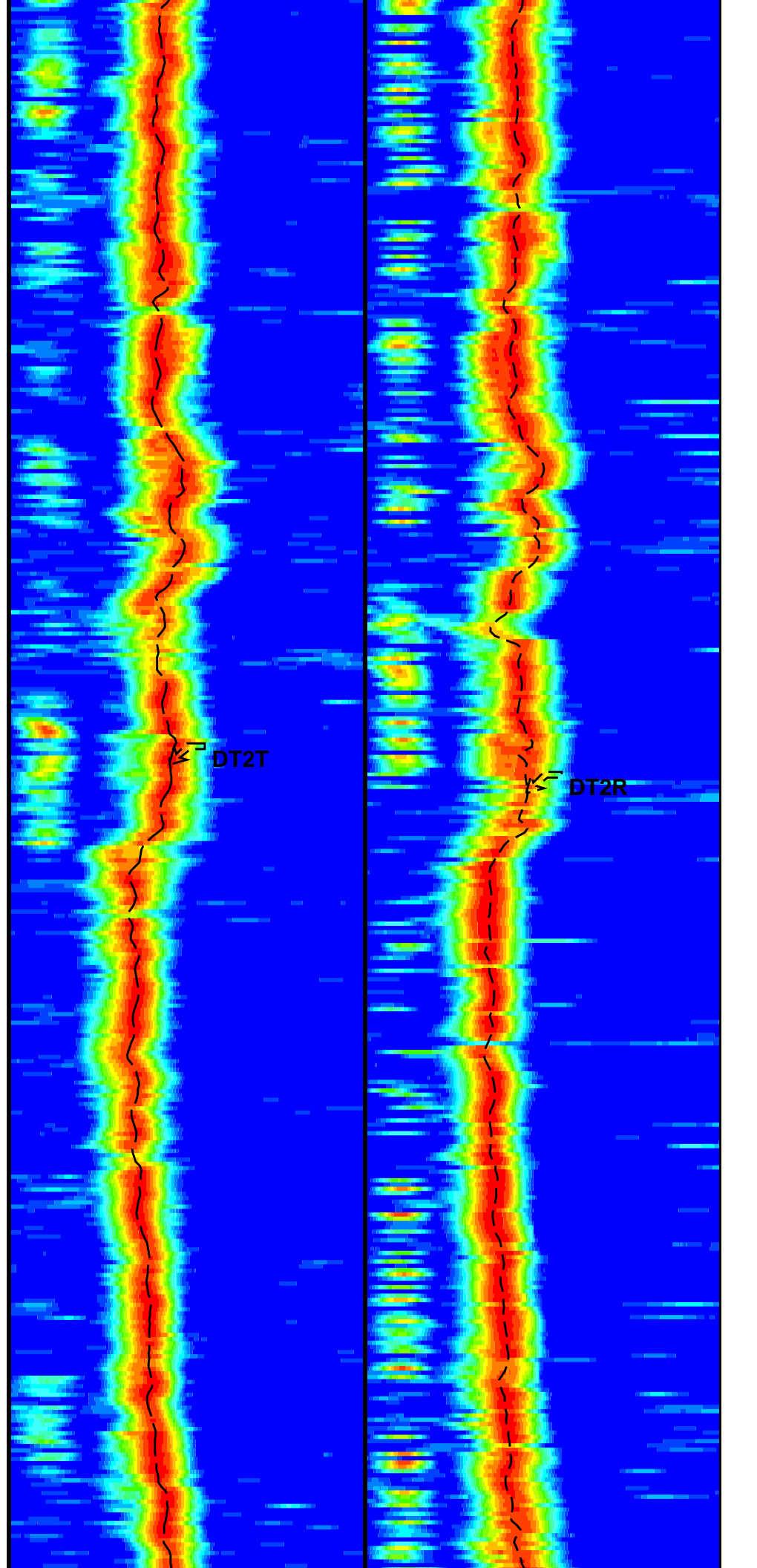
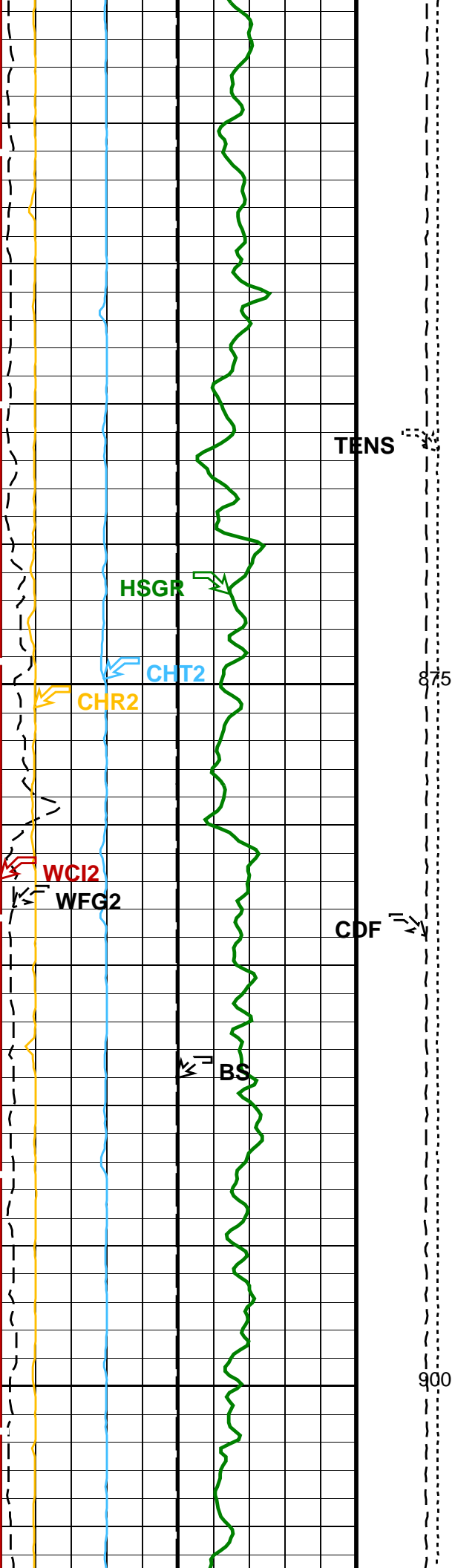


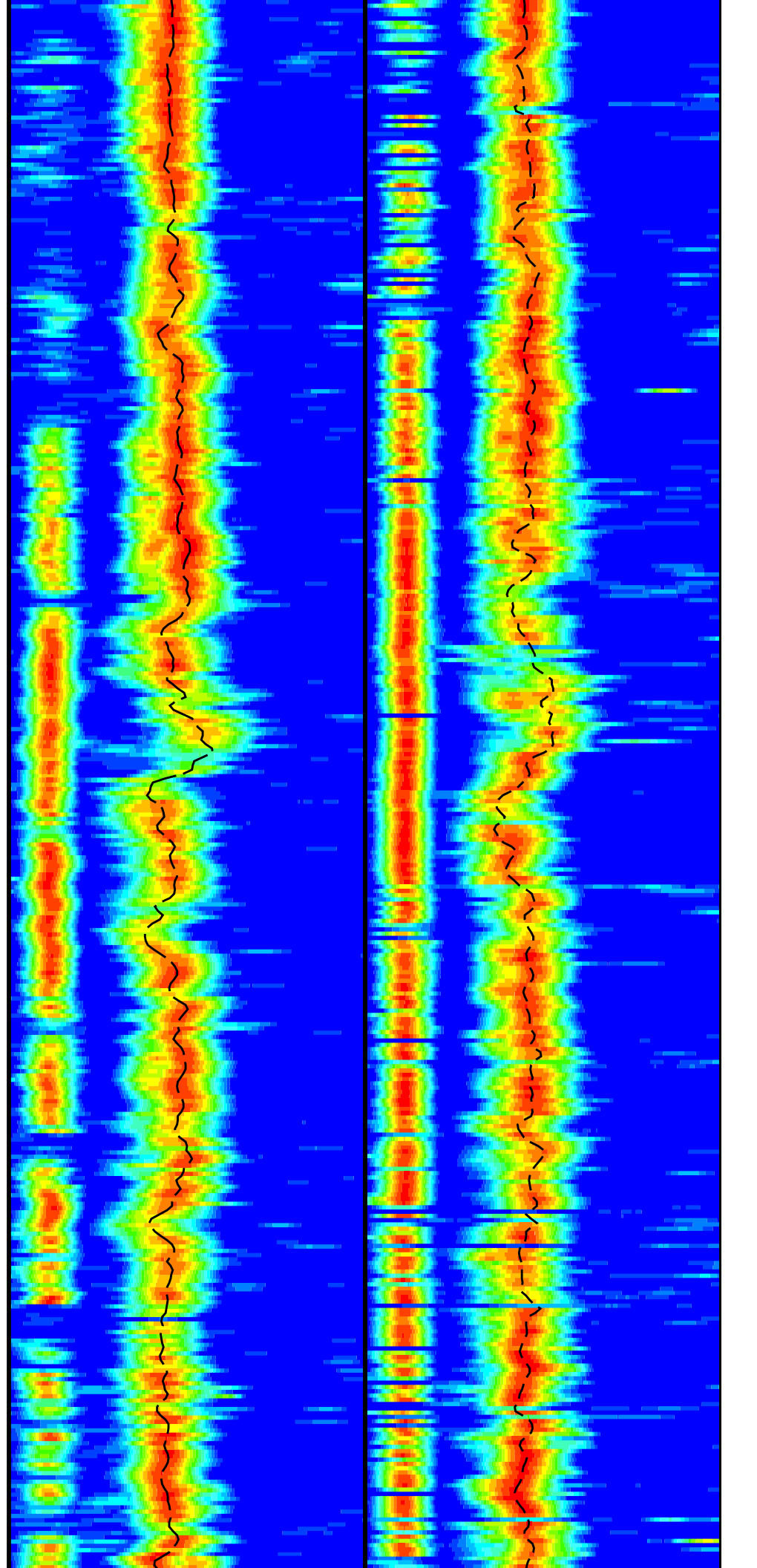
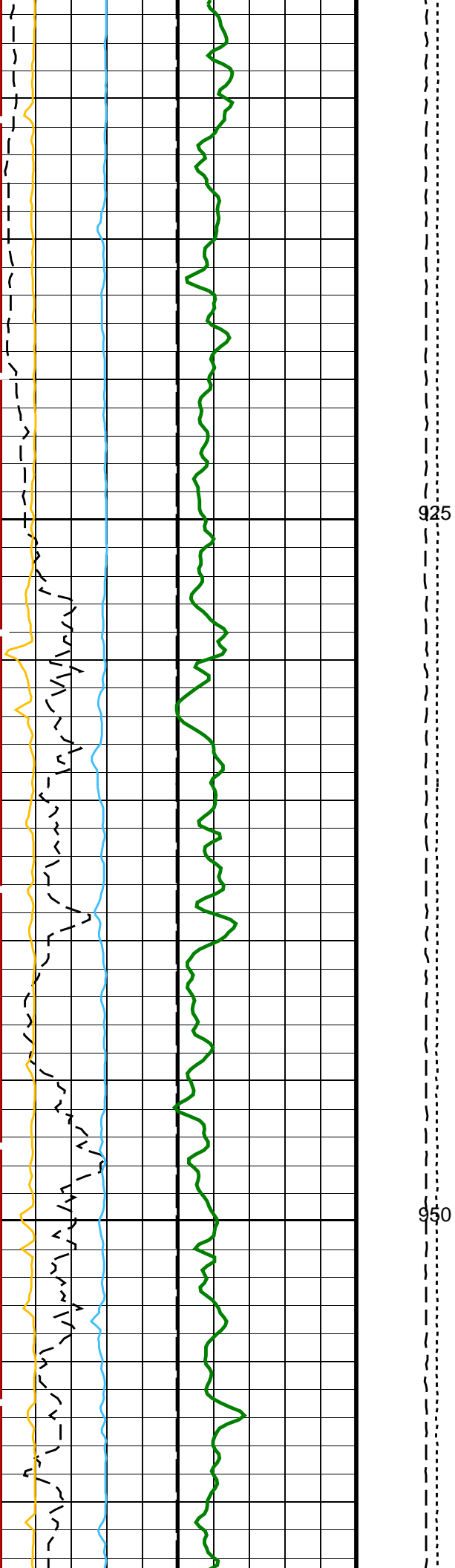
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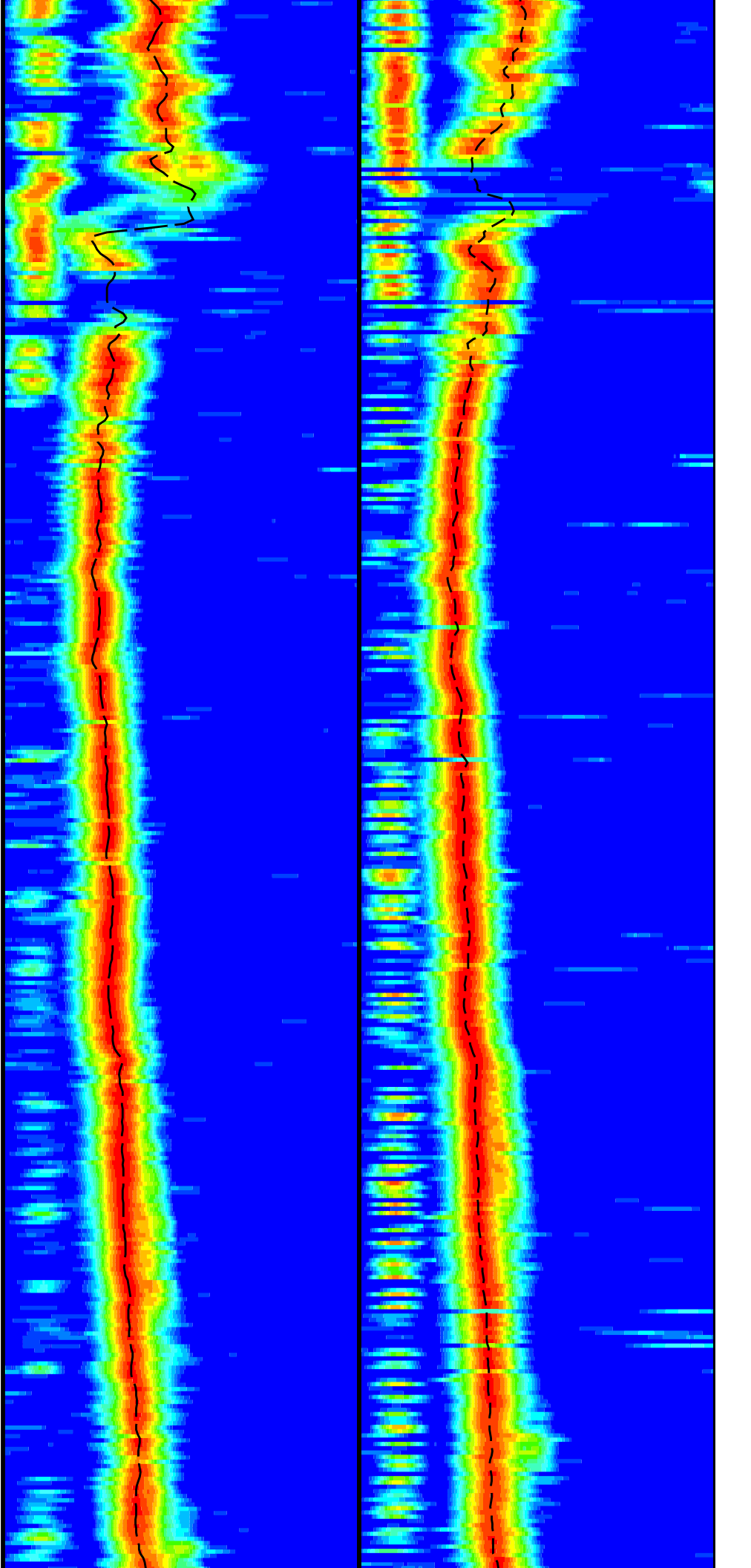
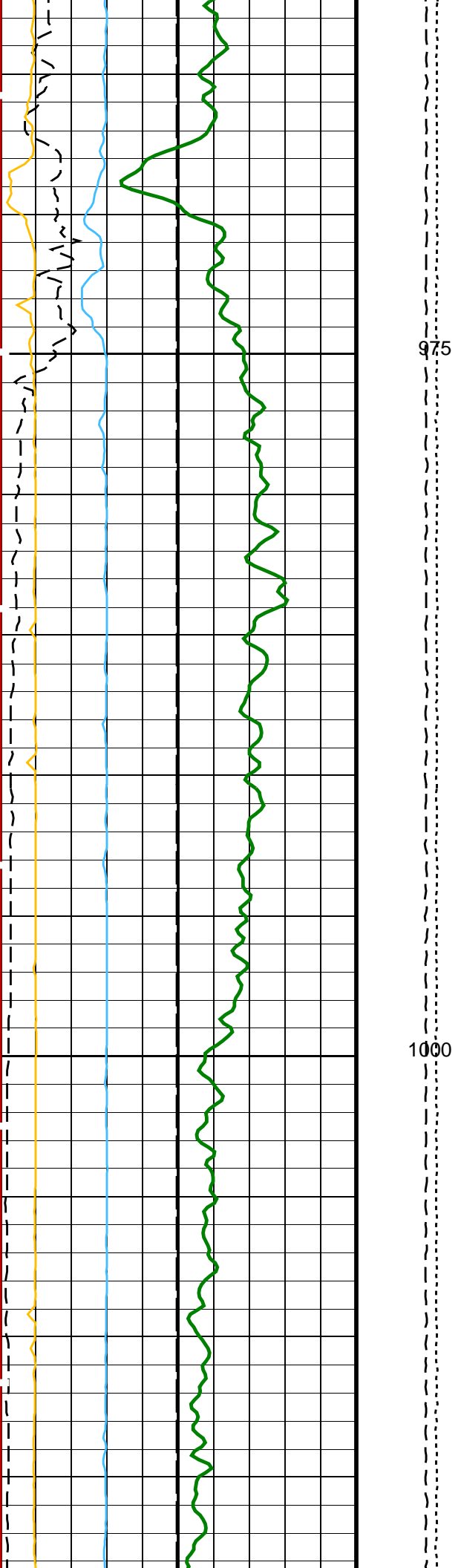
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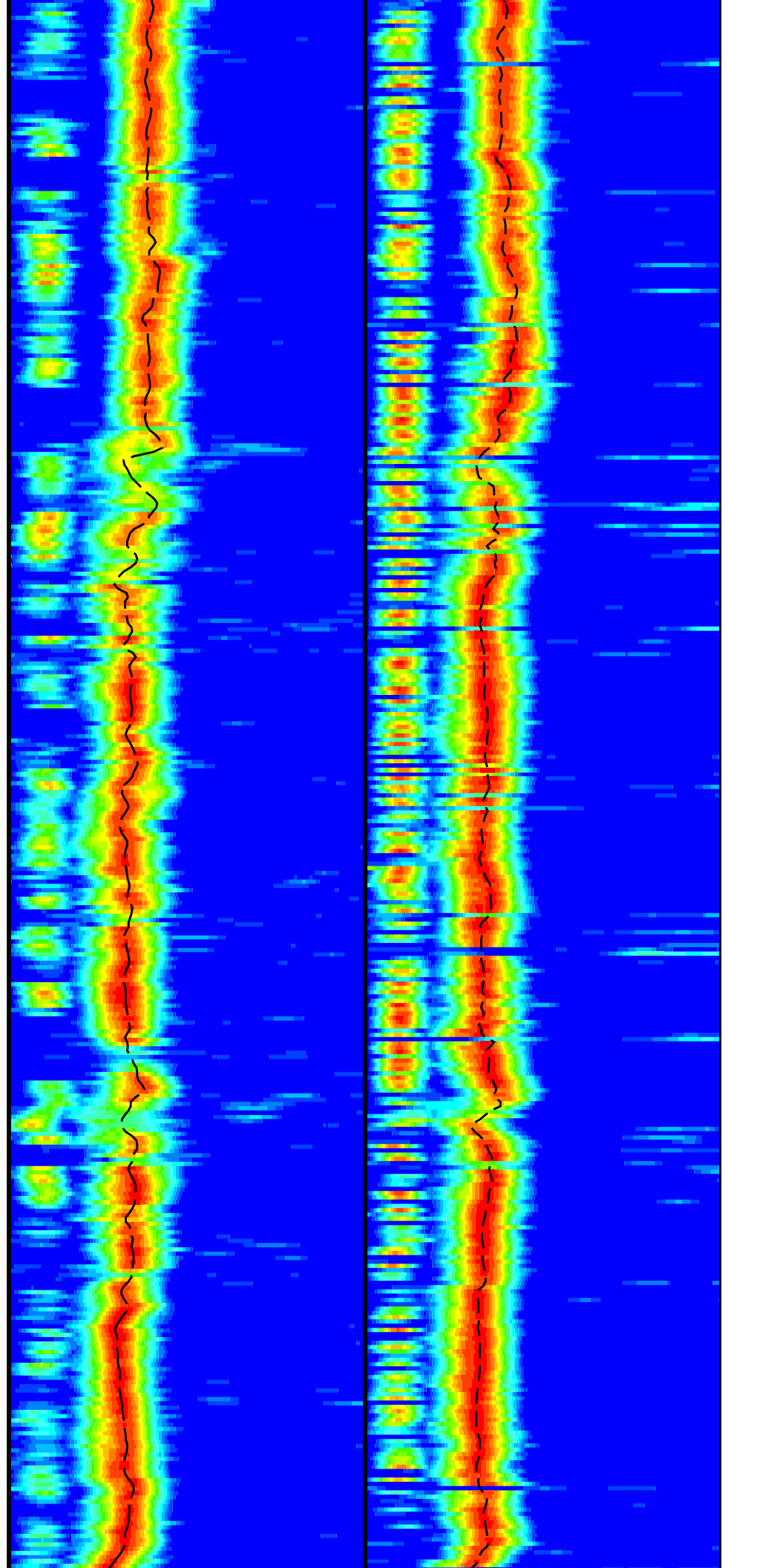
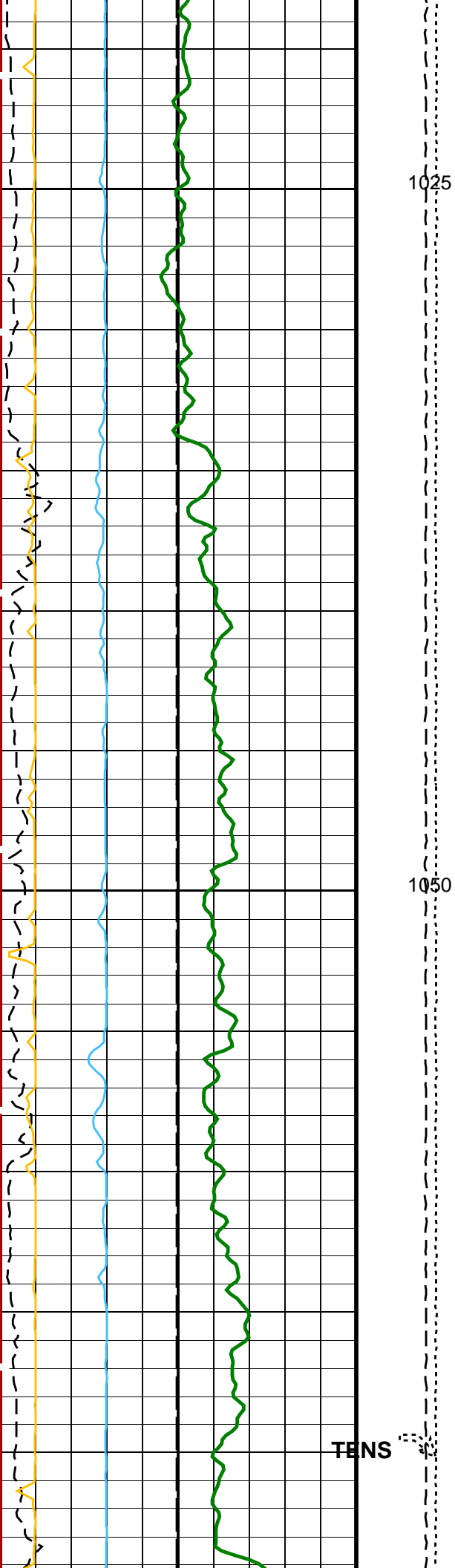


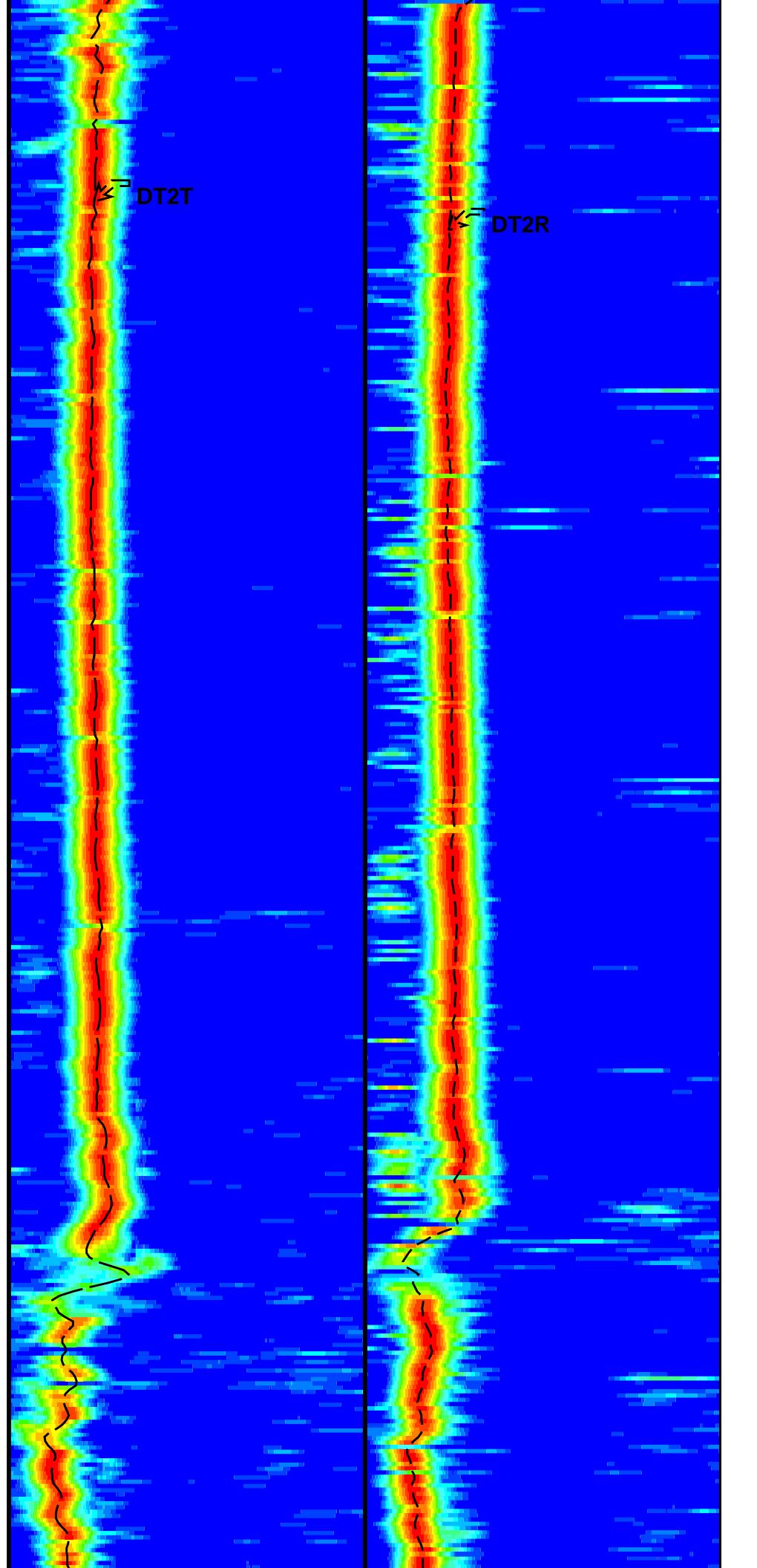
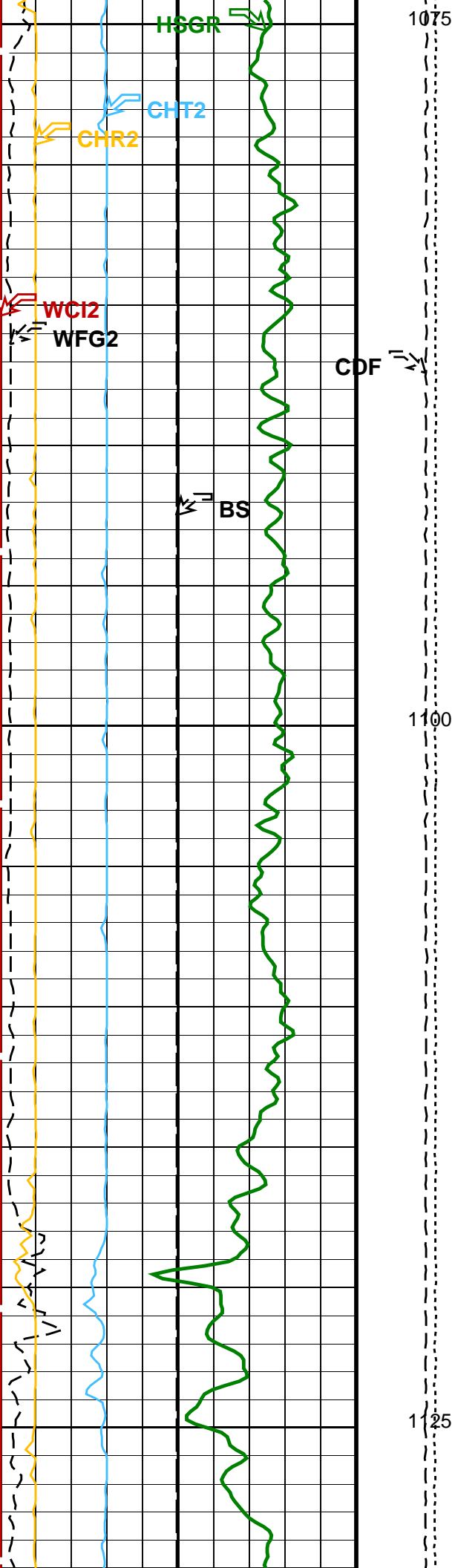


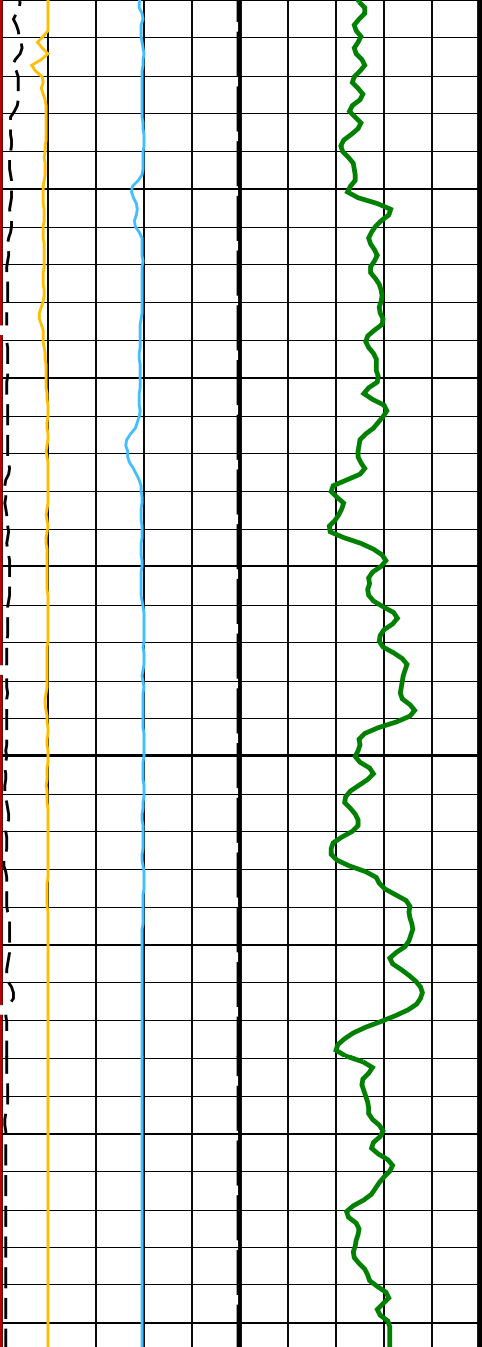




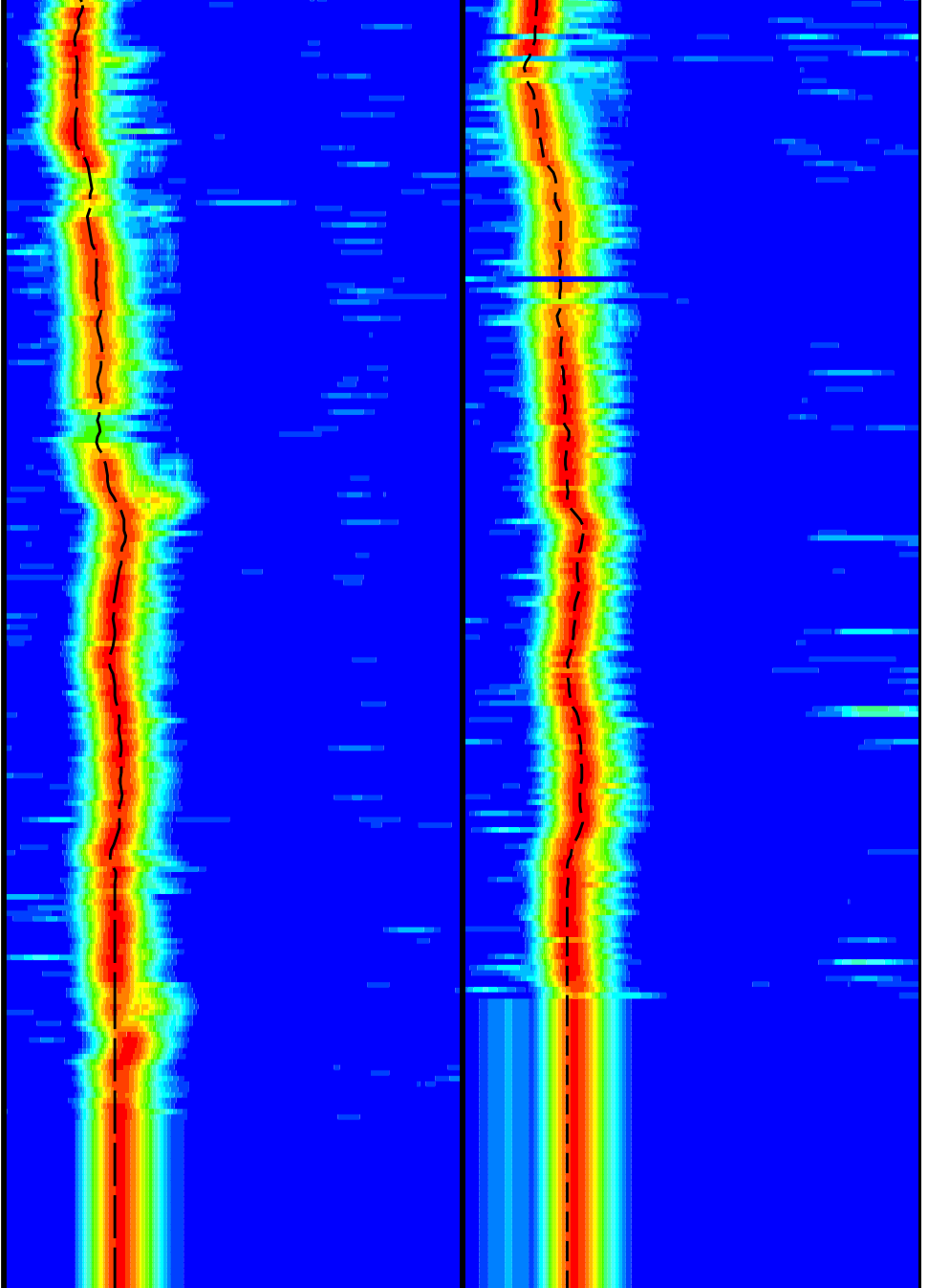








1150



Bit Size (BS)
(IN) 0 20

SAM2 Waveform Gain (WFG2)
(----) 0 1000

Waveform Data Copy Indicator 2 –
Upper Dipole (WCI2)
0 (----) 10

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

Peak Coherence / TA – Upper Dipole
(CHT2)
-2 (----) 8

HNGS Spectroscopy Gamma Ray
(HSGR)

Tension
(TENS)
(LBF) 10000 0

Calibrated
Downhole
Force
(CDF)
(LBF) 5000 0

Delta-T Shear / TA – Upper Dipole
(DT2T)
(US/F) 40 1040

Min Amplitude Max
Tr.Array U.Dipole Slow Proj. CVDL
(SPT2)
(US/F) 40 1040

Delta-T Shear / RA – Upper Dipole
(DT2R)
(US/F) 40 1040

Min Amplitude Max
Rec.Array U.Dipole Slow Proj. CVDL
(SPR2)
(US/F) 40 1040

[Downlog](#)

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	40	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	BS	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-2K	
SLL2	STC Slowness Lower Limit - Upper Dipole	40	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit - Upper Dipole	1040	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TST2	STC Time Step - Upper Dipole	200	US
TUL2	STC Time Upper Limit - Upper Dipole	18440	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM2	Waveform Mode 2	W1	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
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	-0.00319633	
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	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	

GCSE	Generalized Caliper Selection	BS	
BS	System and Miscellaneous	9.875	IN
DFD	Bit Size	1.26	G/C3
DO	Drilling Fluid Density	0.0	M
PP	Depth Offset for Playback	OFF	
	Playback Processing		

Format: DSST_UPPER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 21:06

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06	
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Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06	1165.7 M	512.1 M
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OP System Version: 19C0-187

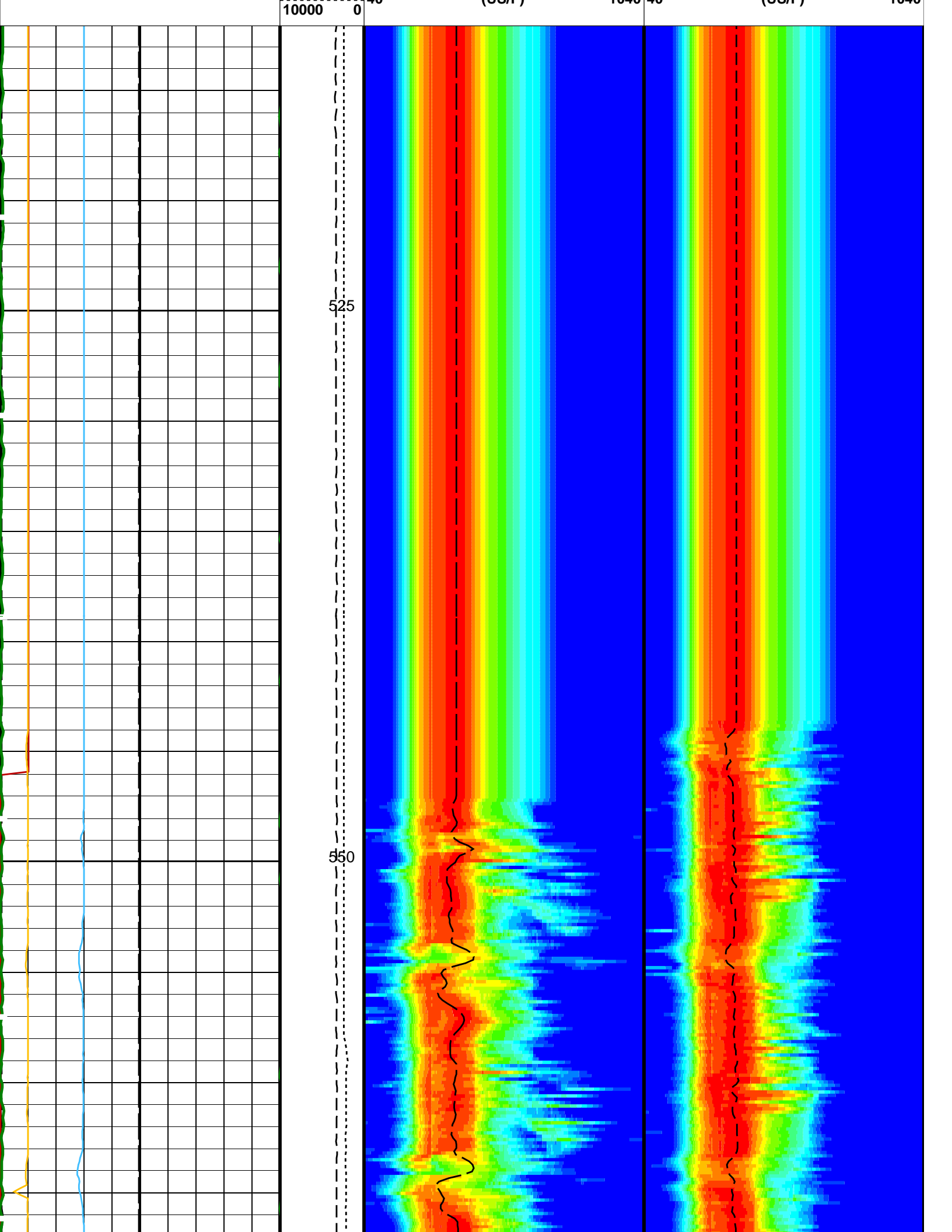
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HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

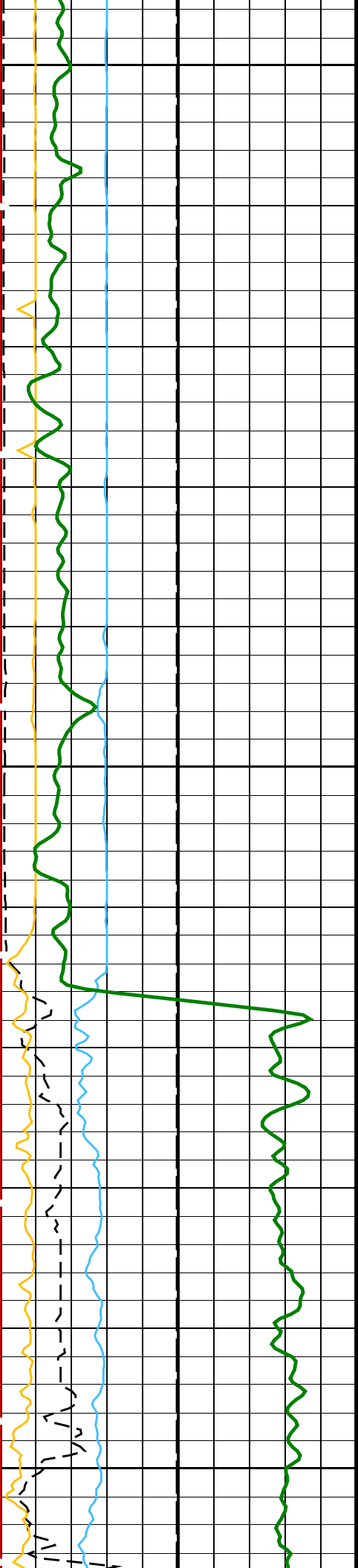
PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		Downlog
0	(GAPI) 100	
Peak Coherence / TA - Lower Dipole (CHT1)		
-2	(----) 8	
Peak Coherence / RA - Lower Dipole (CHR1)		
0	(----) 10	
Waveform Data Copy Indicator 1 - Lower Dipole (WC1)		
0	(----) 10	

0	SAM1 Waveform Gain (WFG1)	(----)	1000	Calibrated Downhole Force (CDF) (LBF)	5000	0	Min	Amplitude	Max	Min	Amplitude	Max
							40	Tr.Array L.Dipole Slow Proj. CVDL (SPT1) (US/F)	1040	40	Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	1040
0	Bit Size (BS)	(IN)	20	Tension (TENS) (LBF)	40		Delta-T Shear / TA - Lower Dipole (DT1T) (US/E)	1040		Delta-T Shear / RA - Lower Dipole (DT1R) (US/E)	1040	

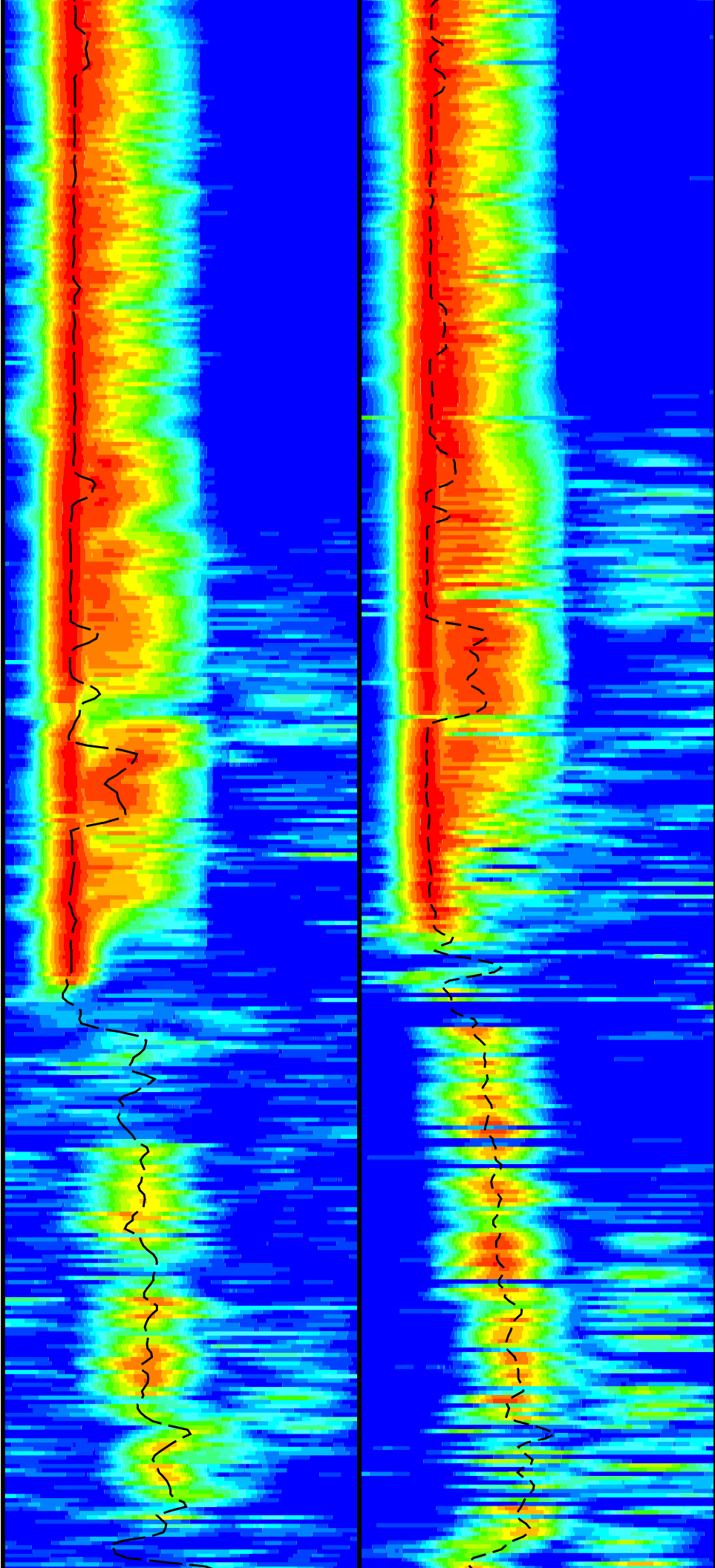


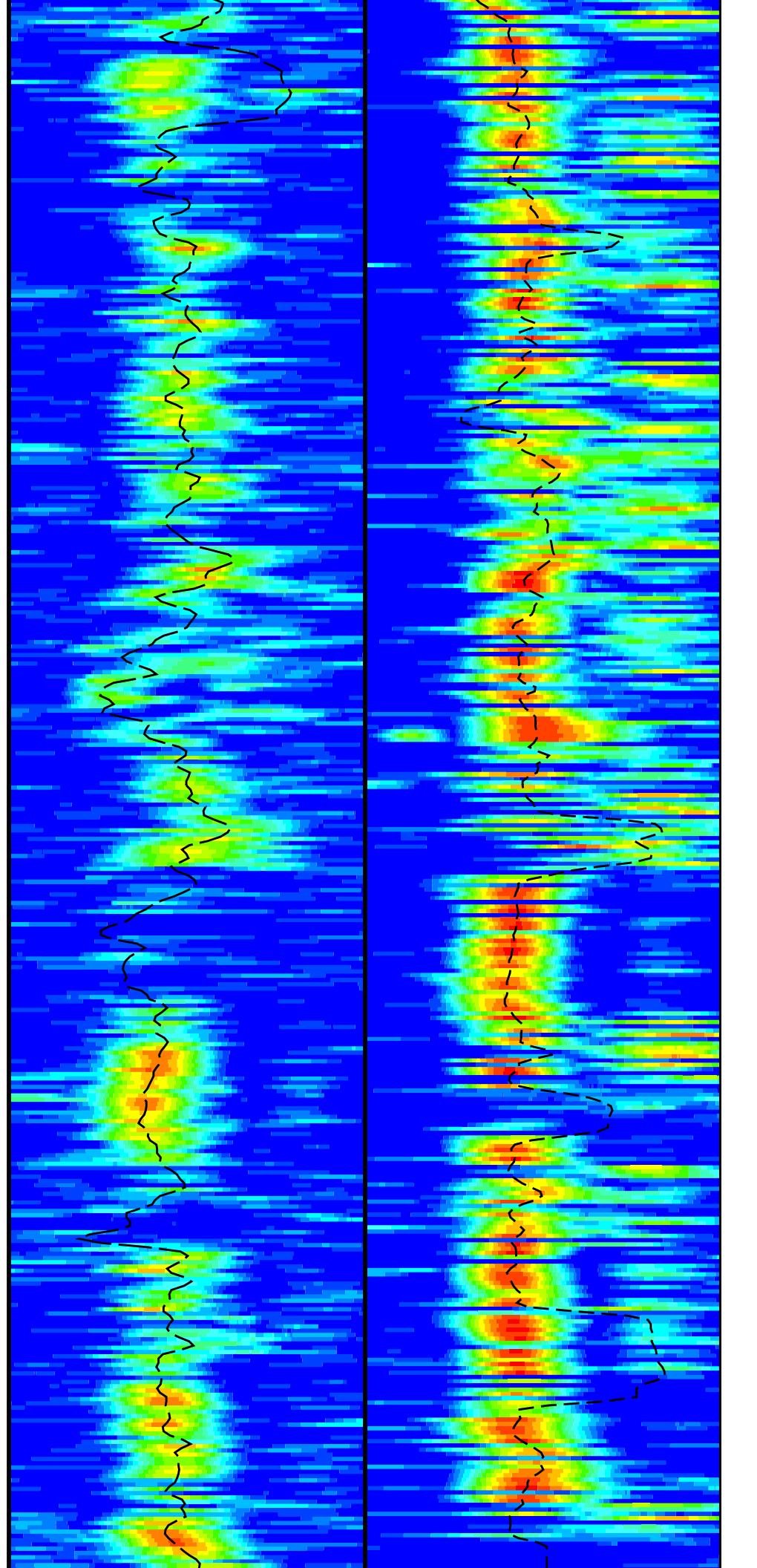
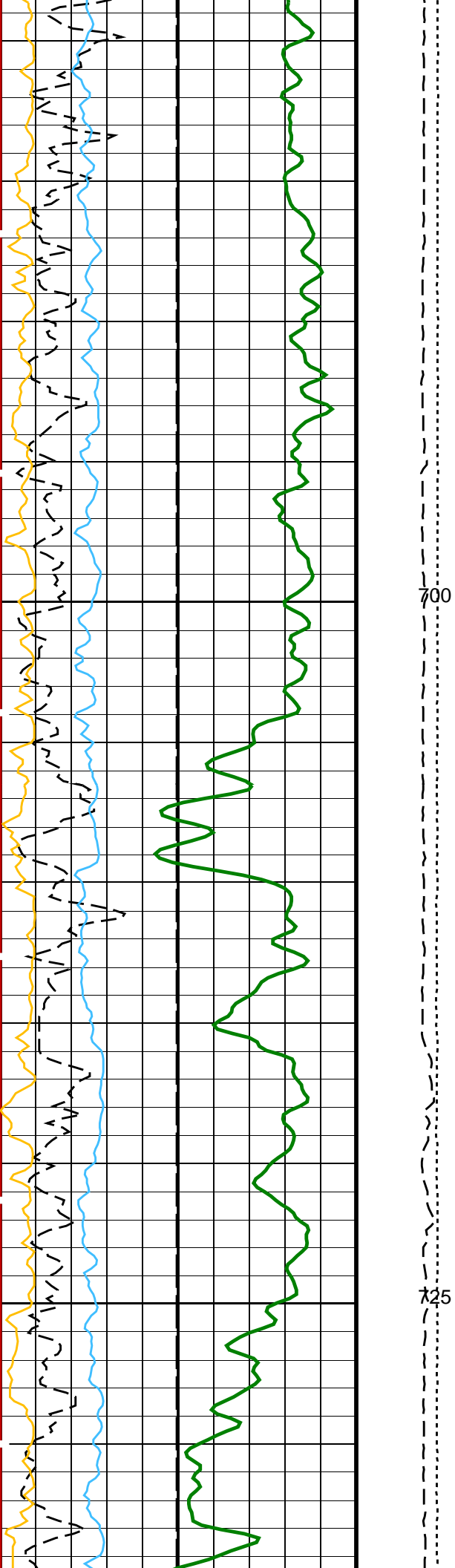


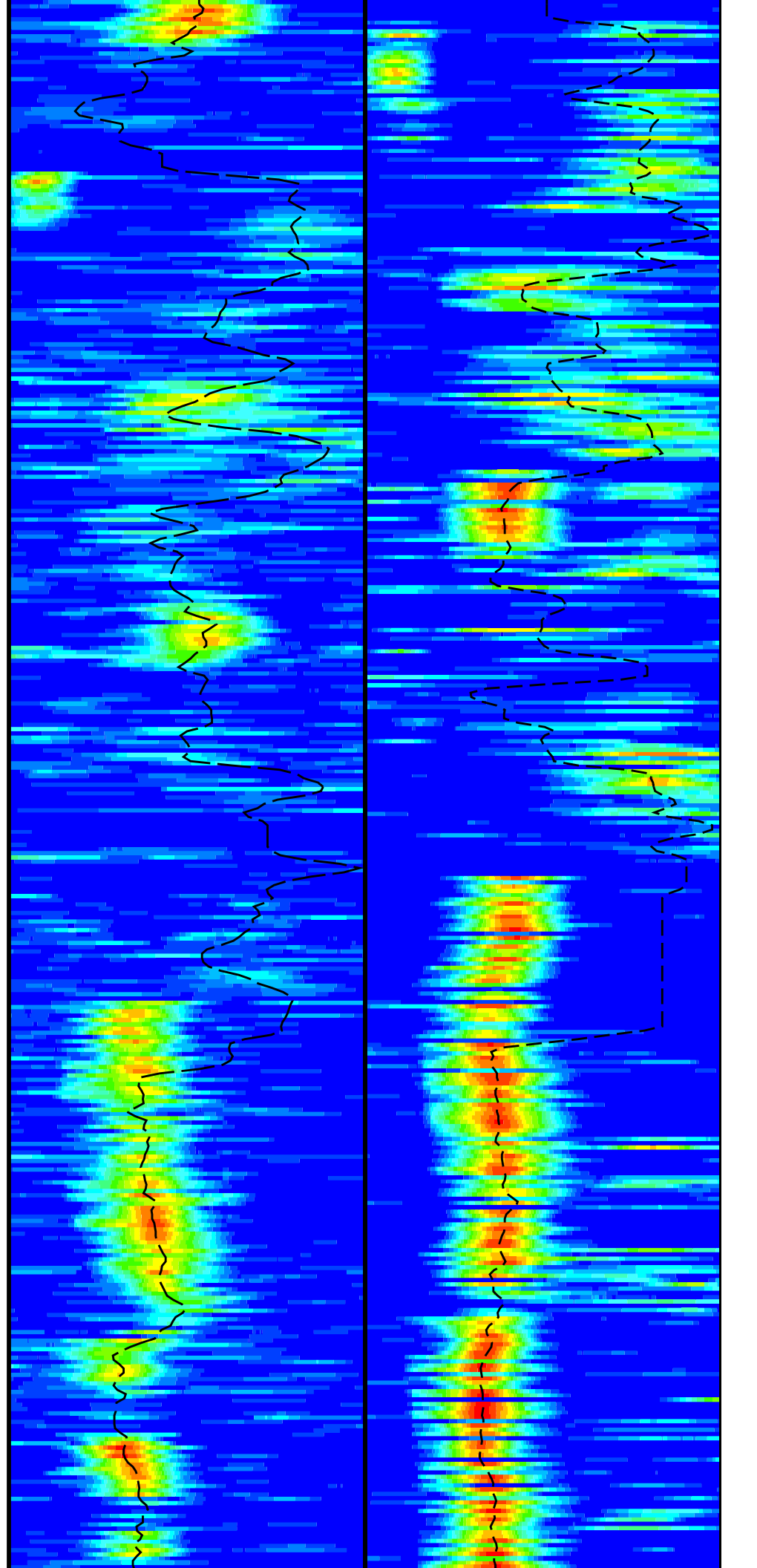
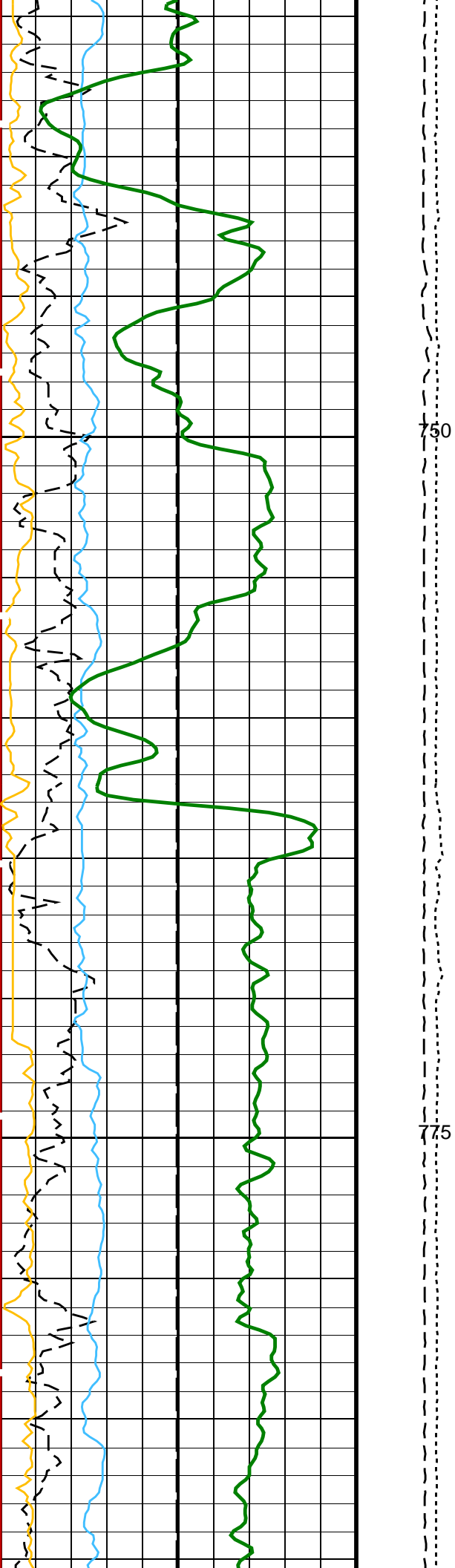
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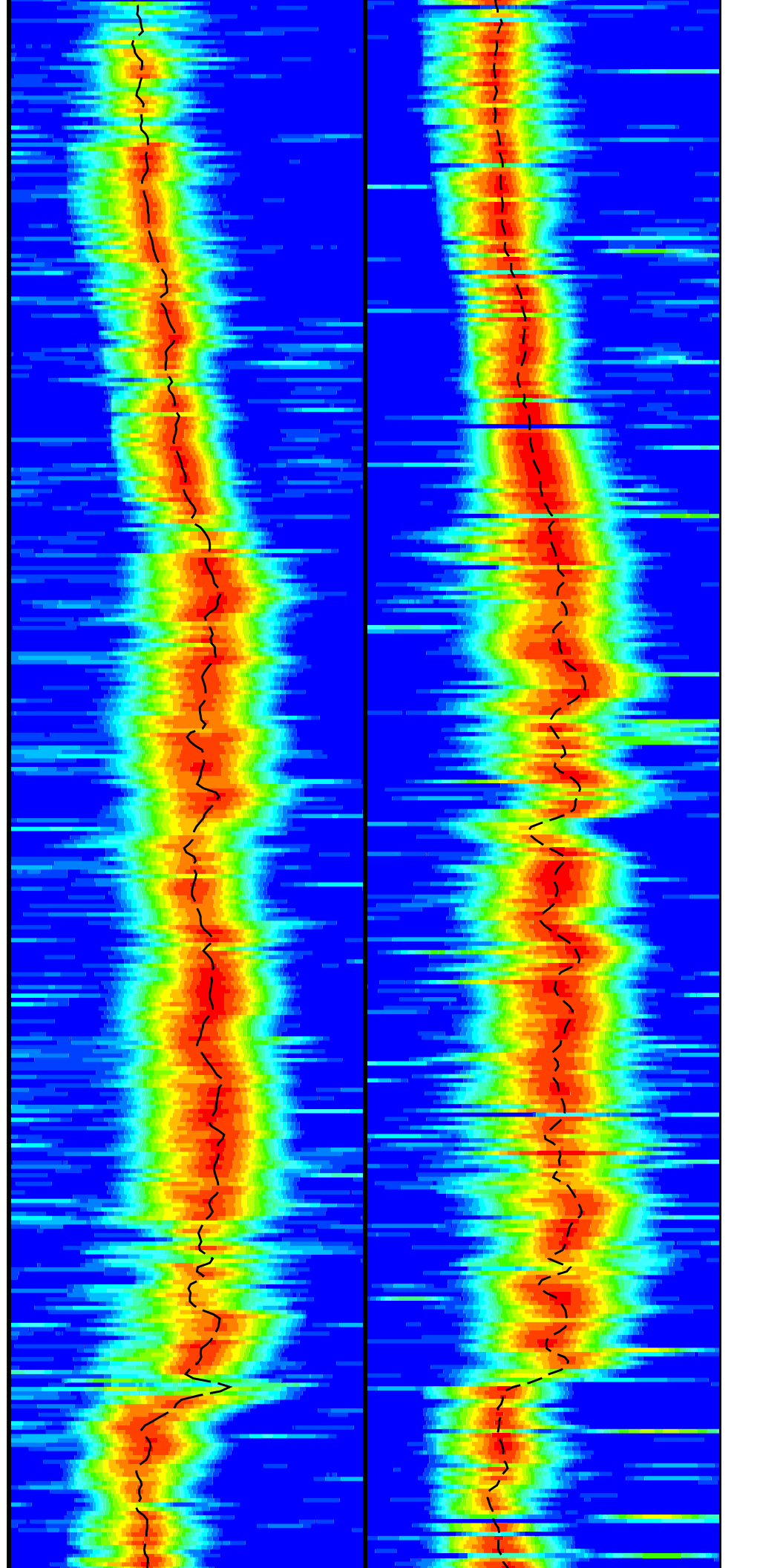
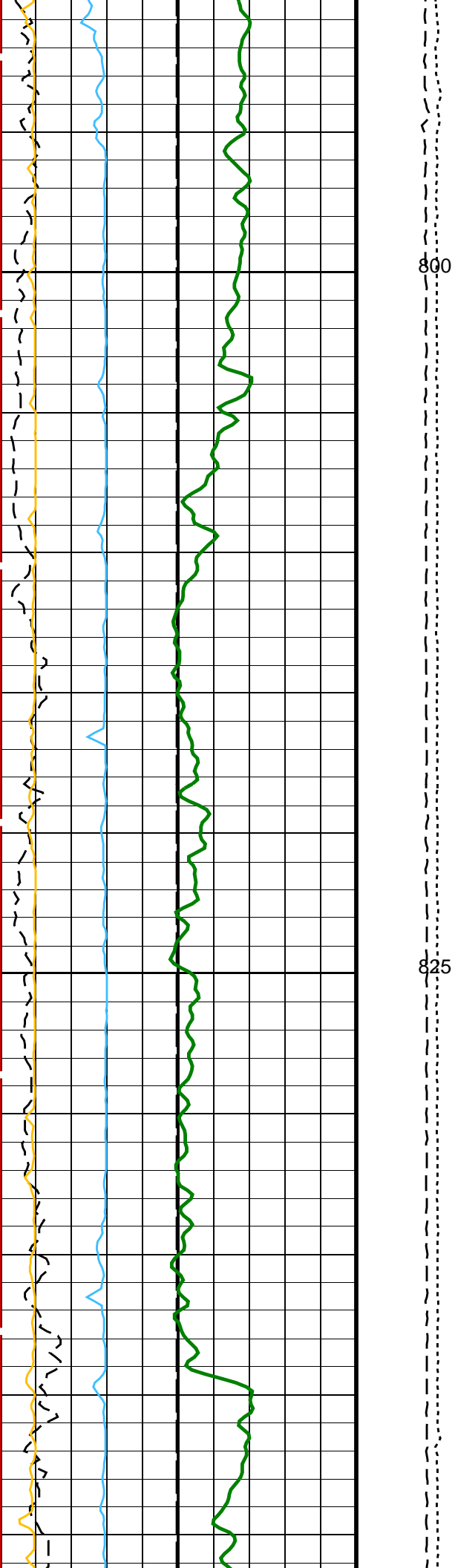
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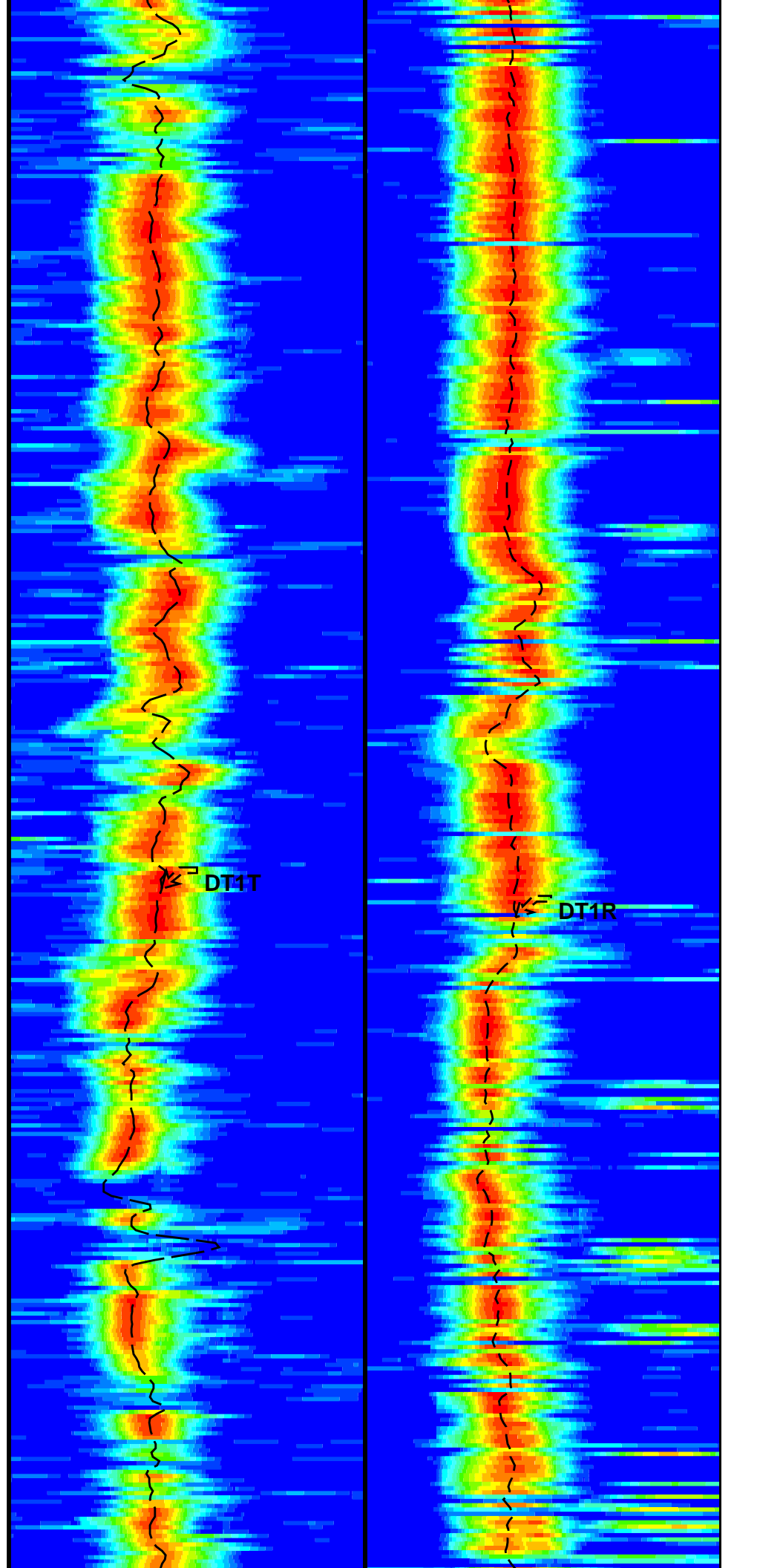
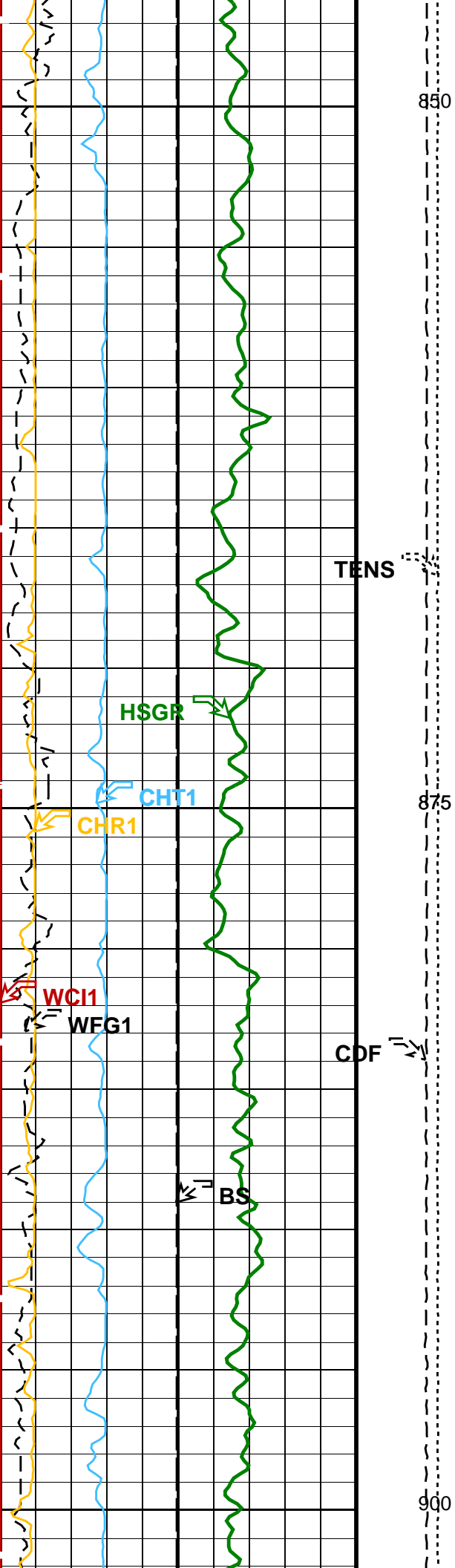
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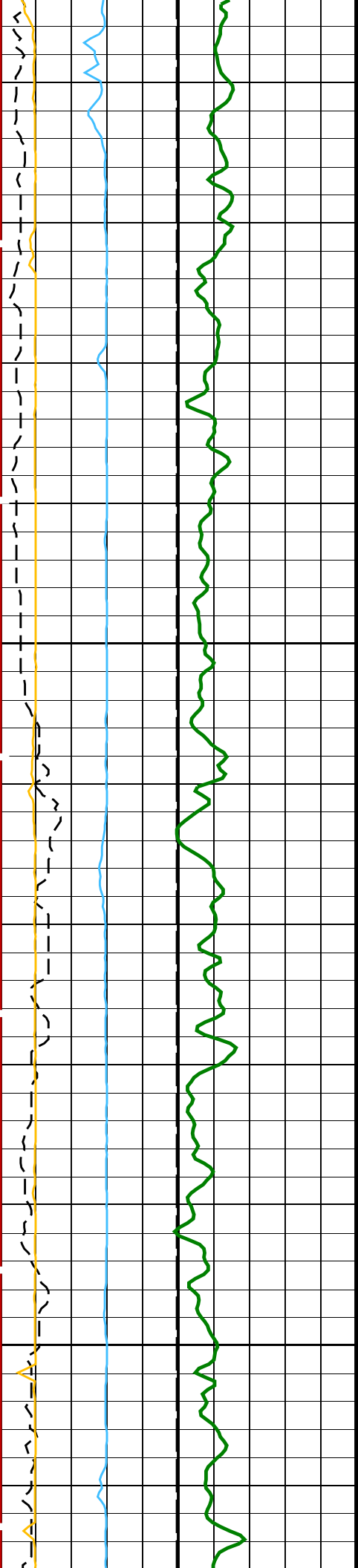






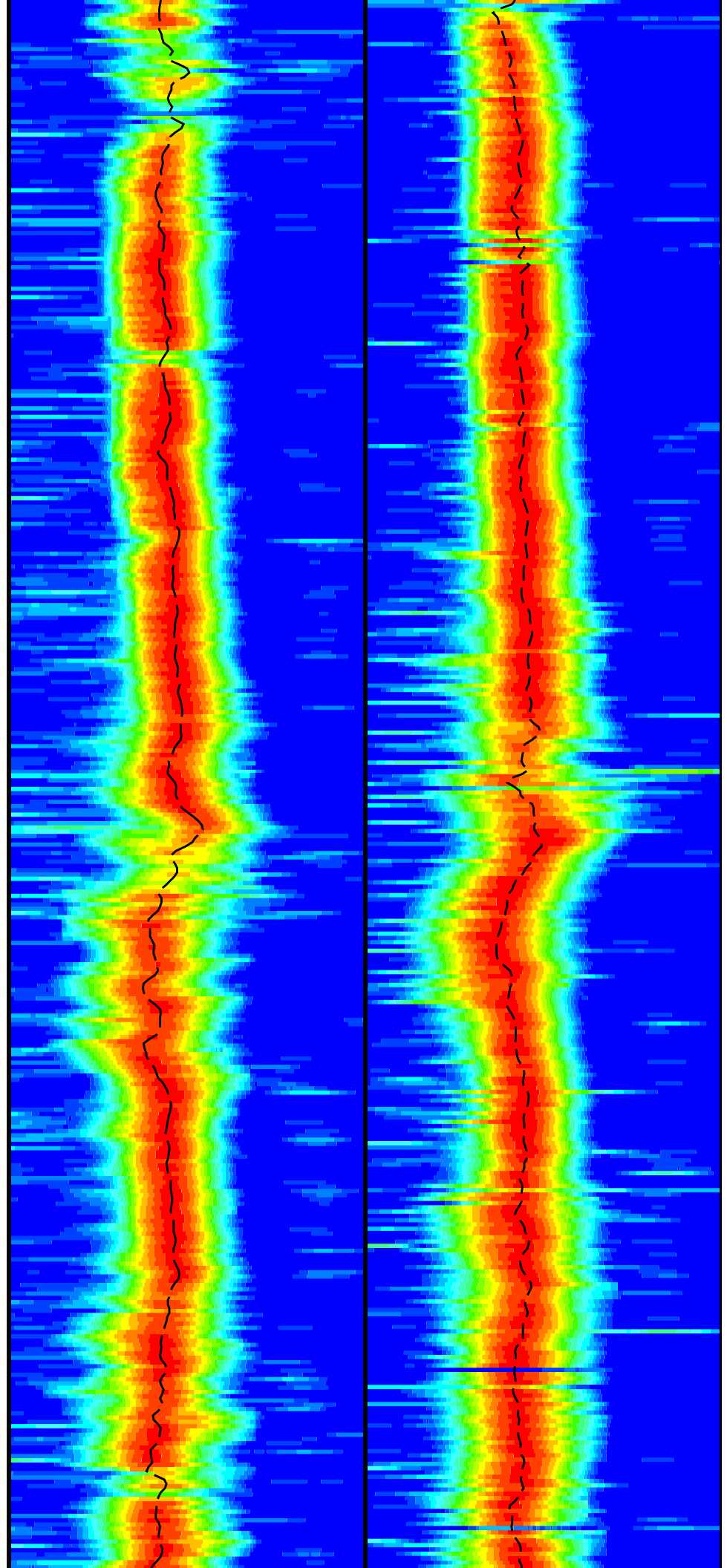


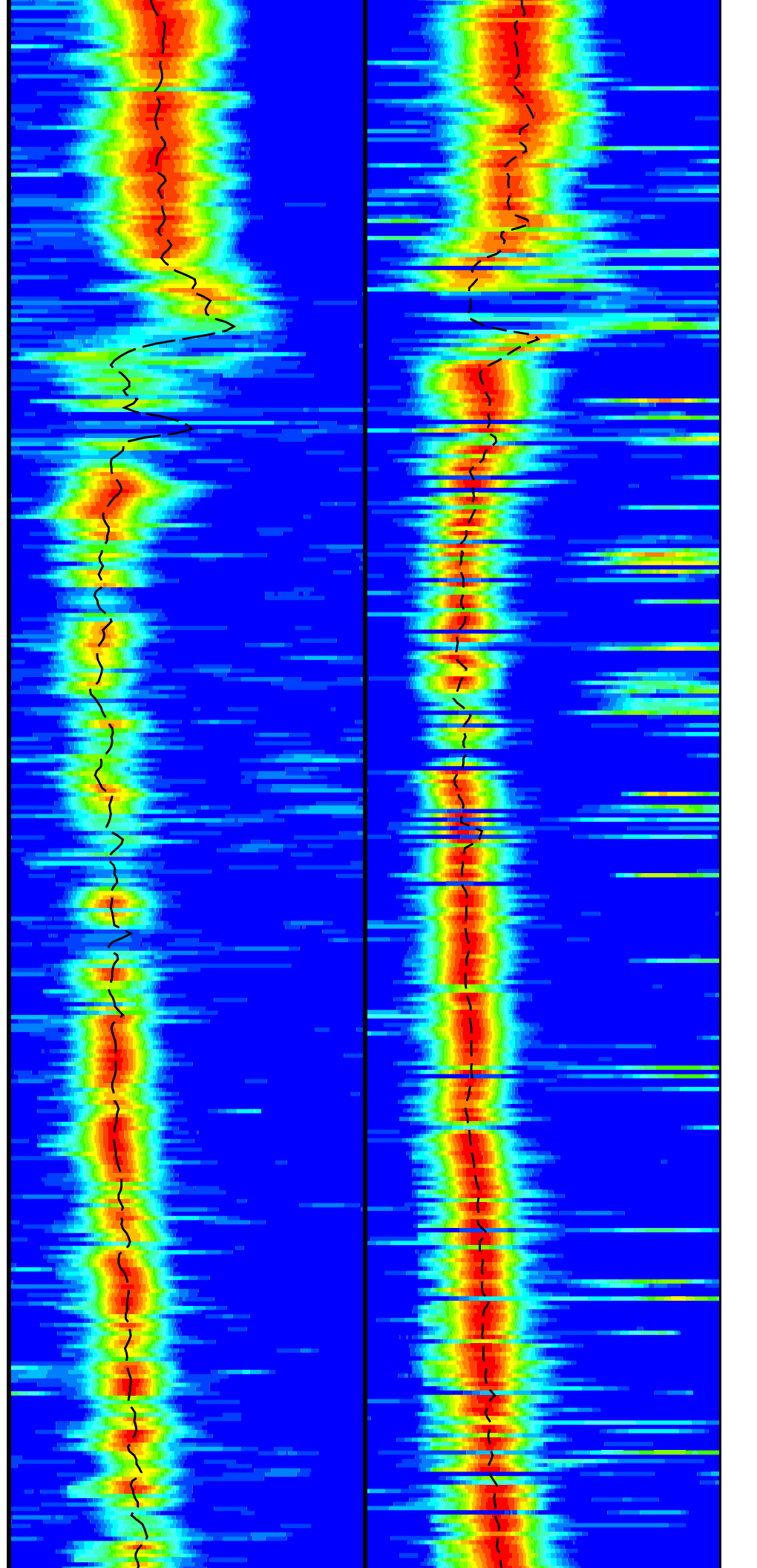
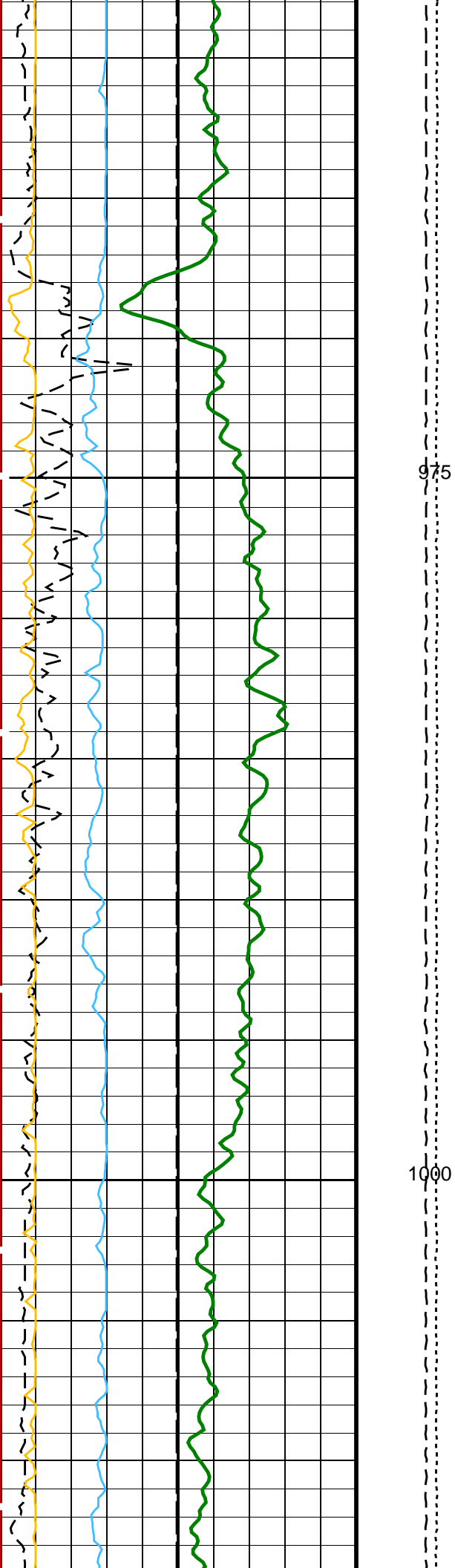


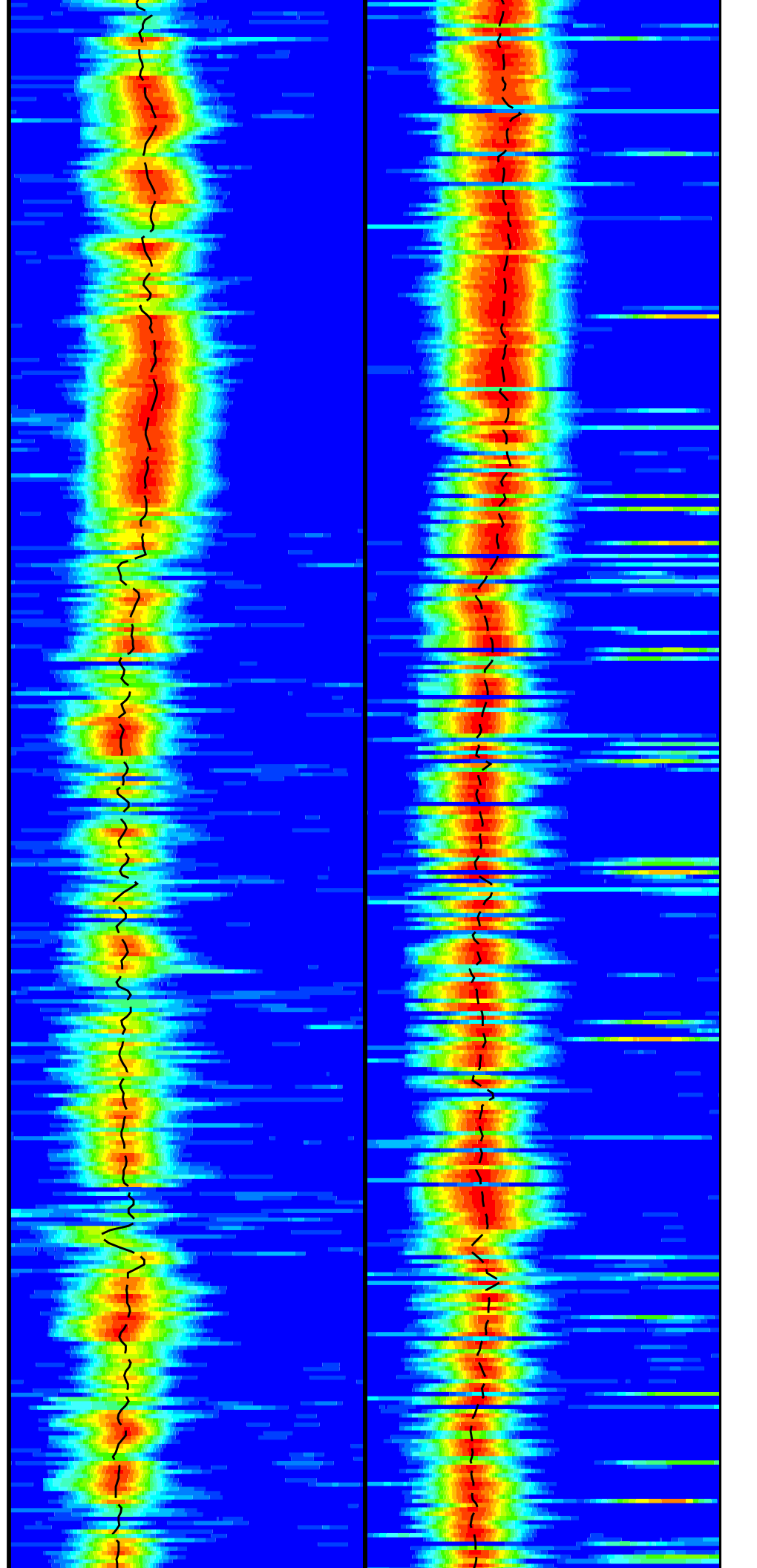
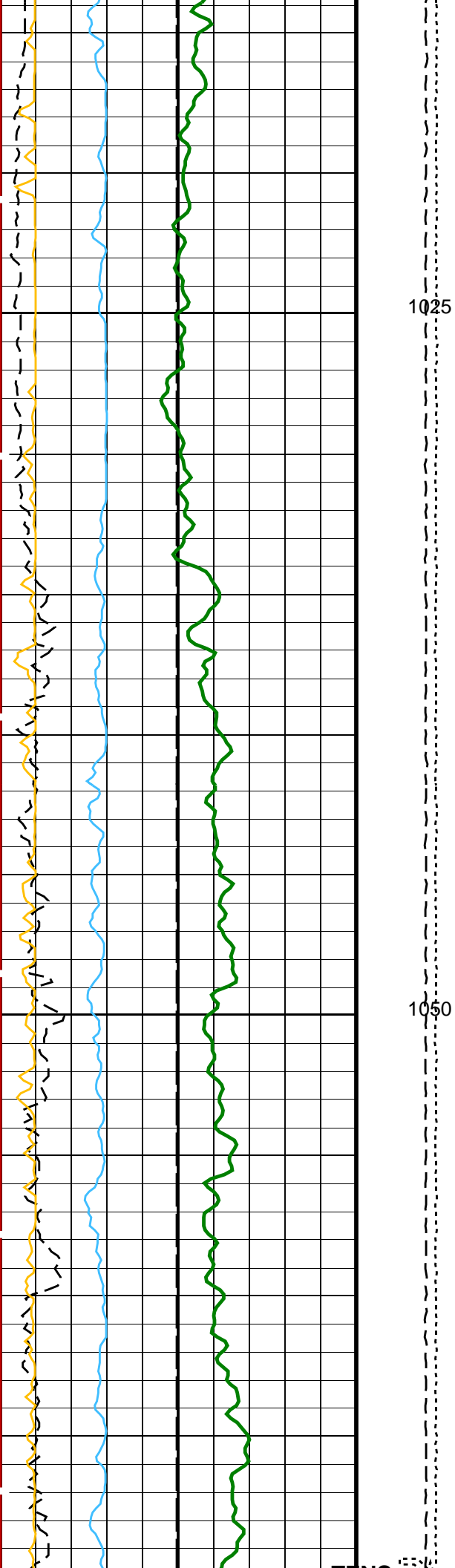


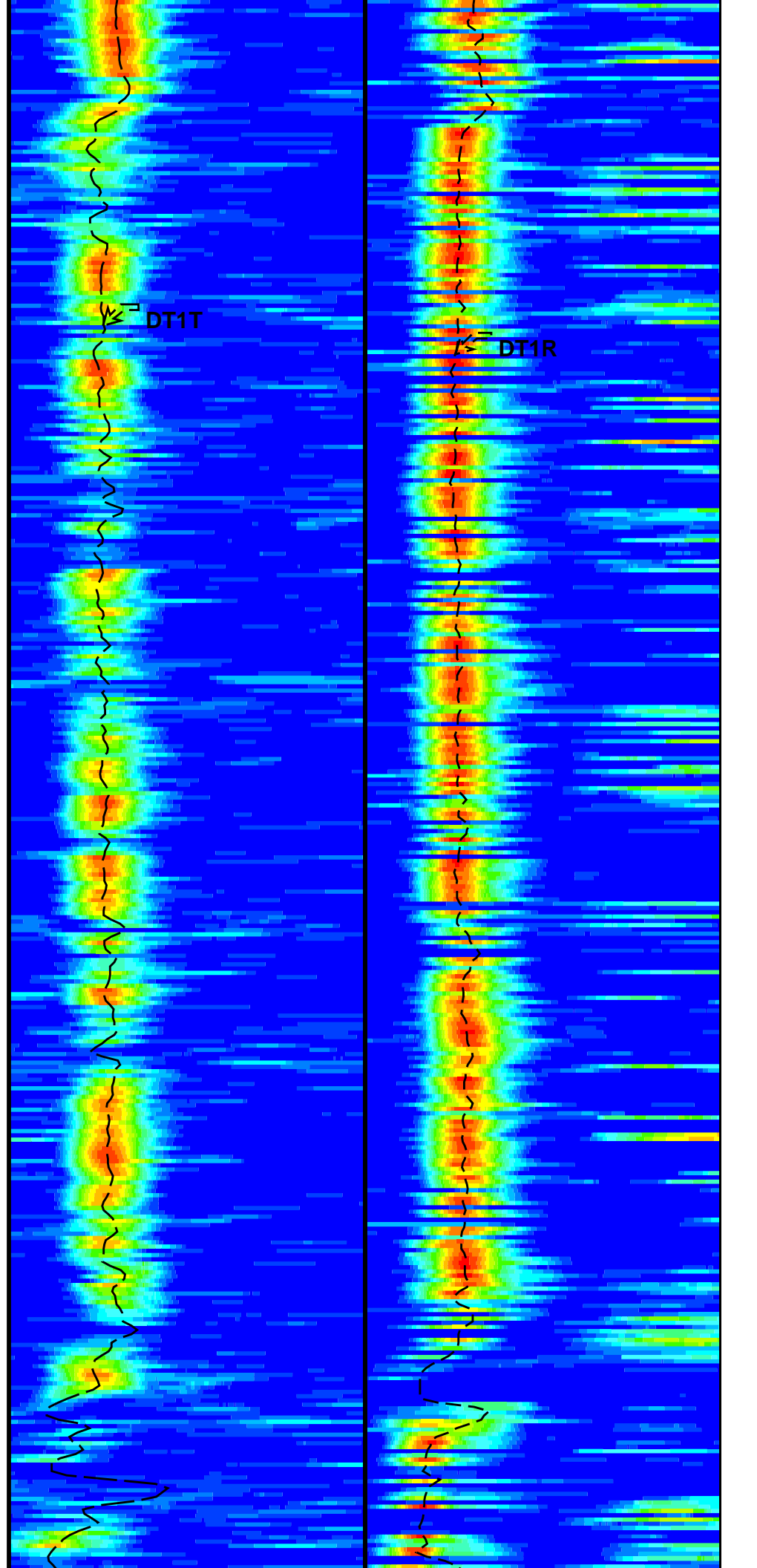
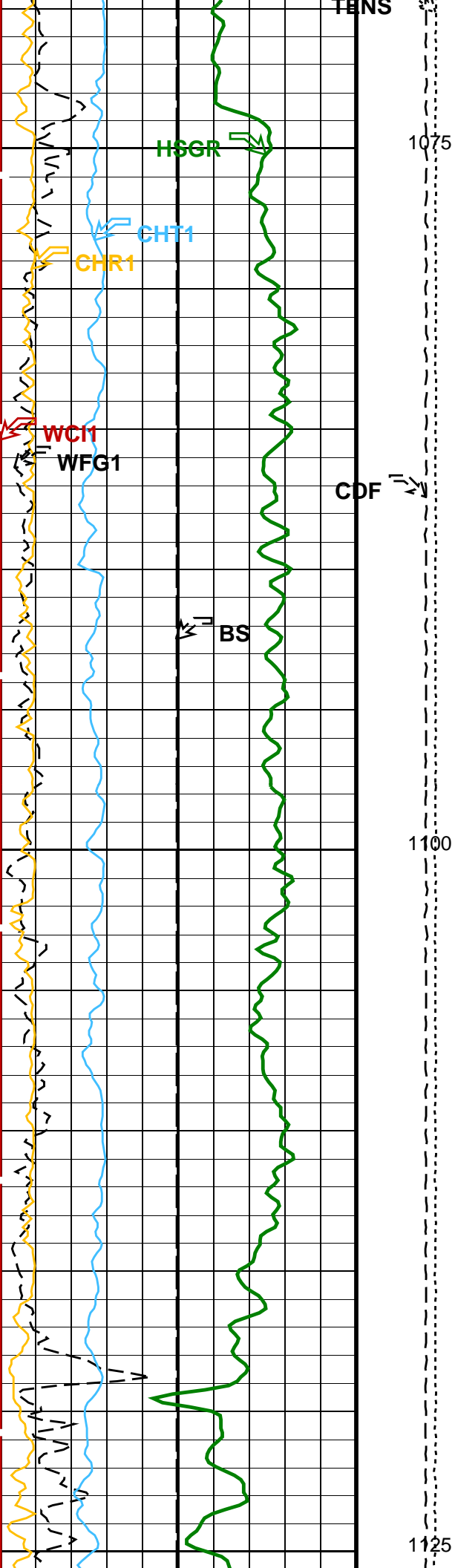
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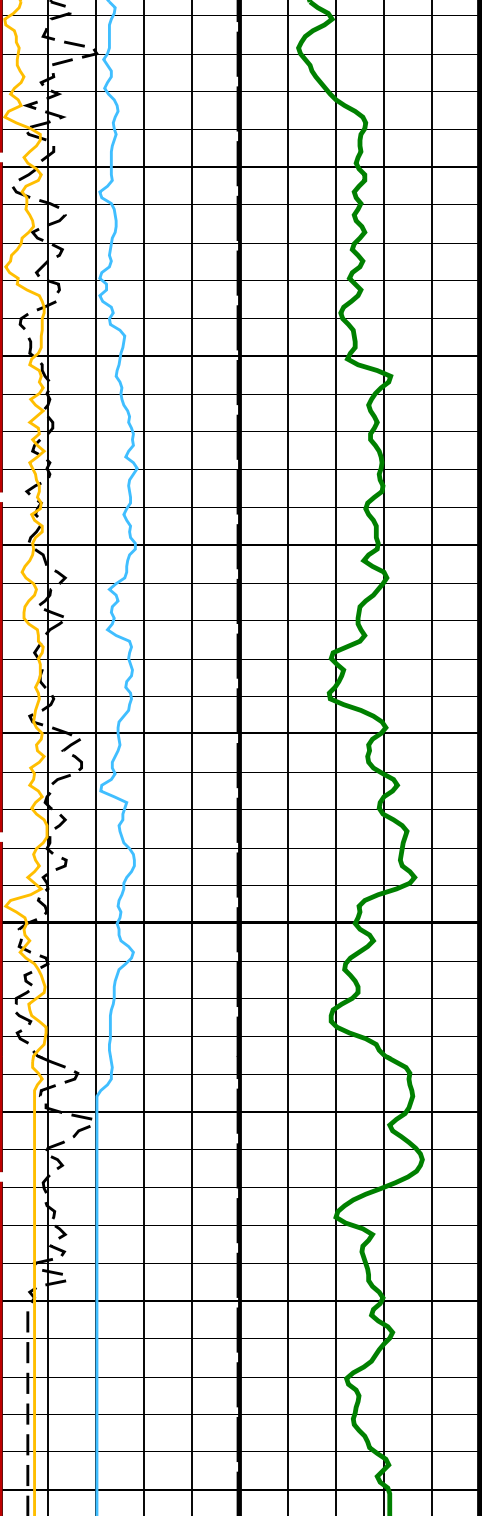
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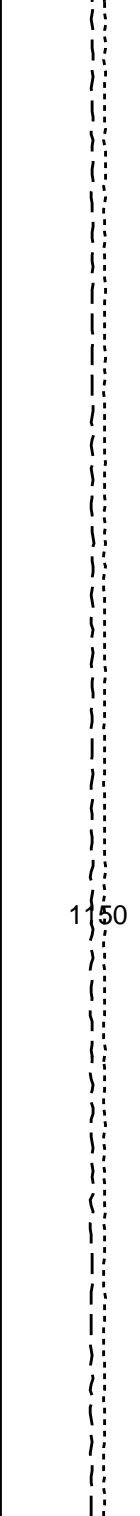
Bit Size (BS)
(IN) 0 20

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

Waveform Data Copy Indicator 1 - Lower Dipole (WC11)
(----) 0 10

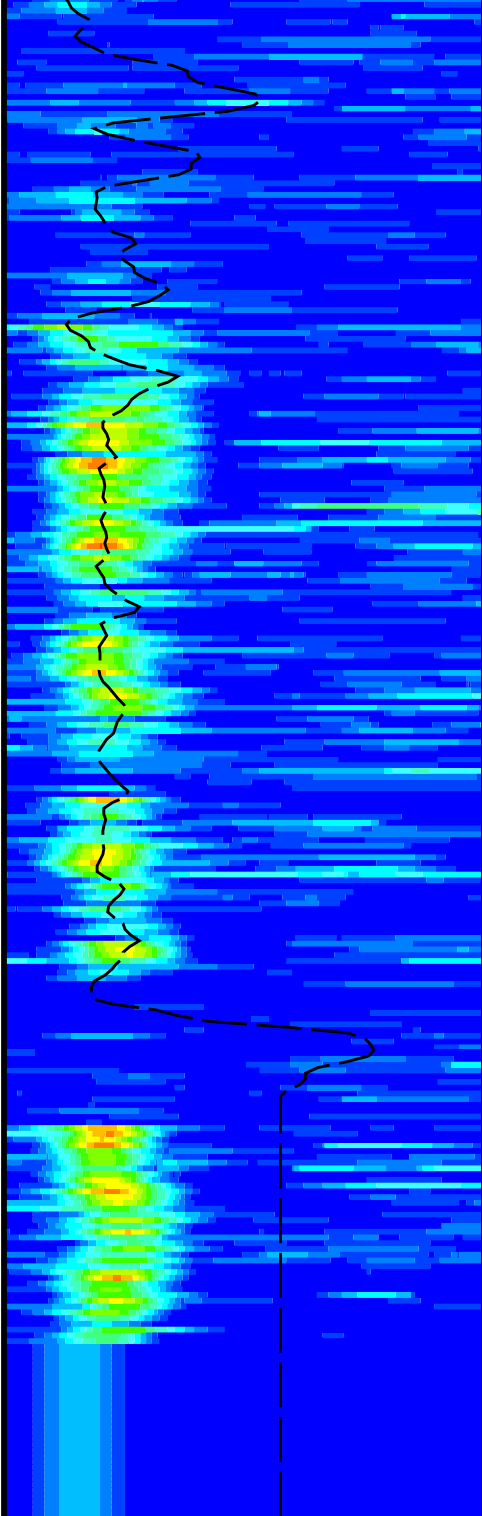
Peak Coherence / RA - Lower Dipole (CHR1)
(----) 0 10

Peak Coherence / TA - Lower Dipole



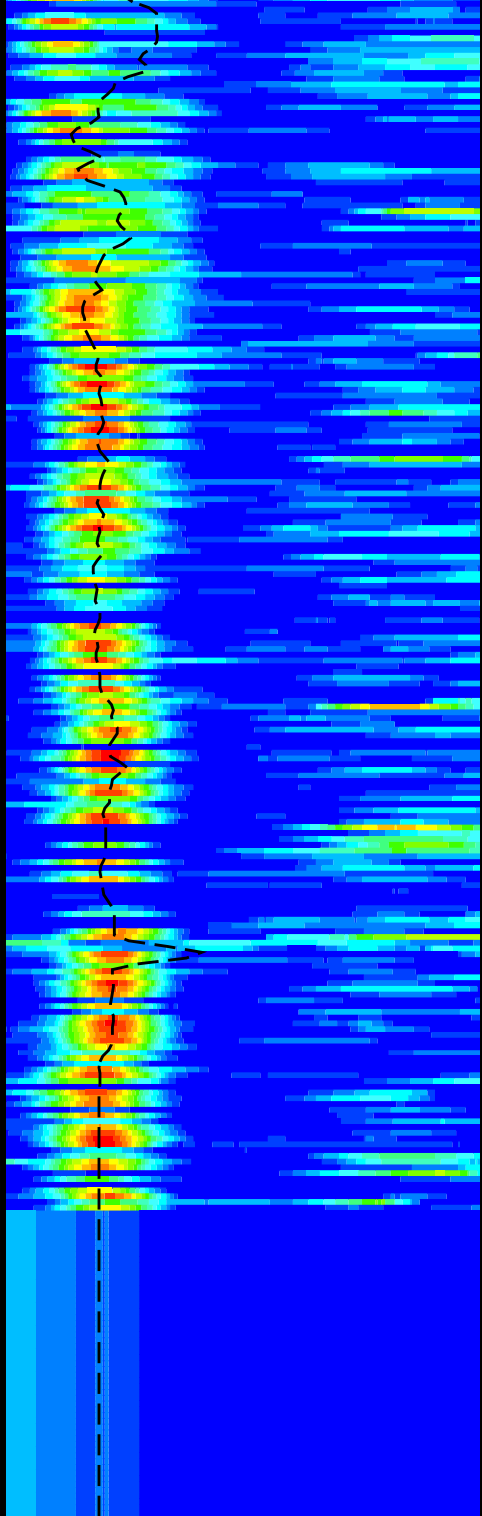
Tension (TENS)
(LBF) 10000 0

Calibrated Downhole Force (CDF)
(LBF) 5000 0



Delta-T Shear / TA - Lower Dipole (DT1T)
(US/F) 40 1040

Min Amplitude Max
Tr.Array L.Dipole Slow Proj. CVDL (SPT1)
(US/F) 40 1040



Delta-T Shear / RA - Lower Dipole (DT1R)
(US/F) 40 1040

Min Amplitude Max
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
(US/F) 40 1040

[Downlog](#)

(CHT1)	
-2	8
(----)	
HNGS Spectroscopy Gamma Ray (HSGR)	
0	100
(GAPI)	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	BS
LTXG	Lower Dipole Transmitter Geometry	156 IN
NWI1	Number Waveform Items 1	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS1	STC Sonic Array Status - Lower Dipole	255
SBO1	STC Search Band Offset - Lower Dipole	3000 US
SBW1	STC Search Bandwidth - Lower Dipole	8000 US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE
SFM1	STC Filter - Lower Dipole	B.3-1.5K
SLL1	STC Slowness Lower Limit - Lower Dipole	40 US/F
SST1	STC Slowness Step - Lower Dipole	4 US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1
SUL1	STC Slowness Upper Limit - Lower Dipole	1040 US/F
SWD1	STC Slowness Width - Lower Dipole	40 US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0 US
TLL1	STC Time Lower Limit - Lower Dipole	600 US
TST1	STC Time Step - Lower Dipole	200 US
TUL1	STC Time Upper Limit - Lower Dipole	18960 US
TWD1	STC Time Width - Lower Dipole	2000 US
TWI1	STC Integration Time Window - Lower Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
WFM1	Waveform Mode 1	W1
HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
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	-0.00319633
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

SZBI	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	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
BHS	EDTC-B: Enhanced DTS Cartridge		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	BS	
BS	System and Miscellaneous		
DFD	Bit Size	9.875	IN
DO	Drilling Fluid Density	1.26	G/C3
PP	Depth Offset for Playback	0.0	M
	Playback Processing	OFF	

Format: DSST_LOWER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 21:06

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06
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Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06	1165.7 M	512.1 M
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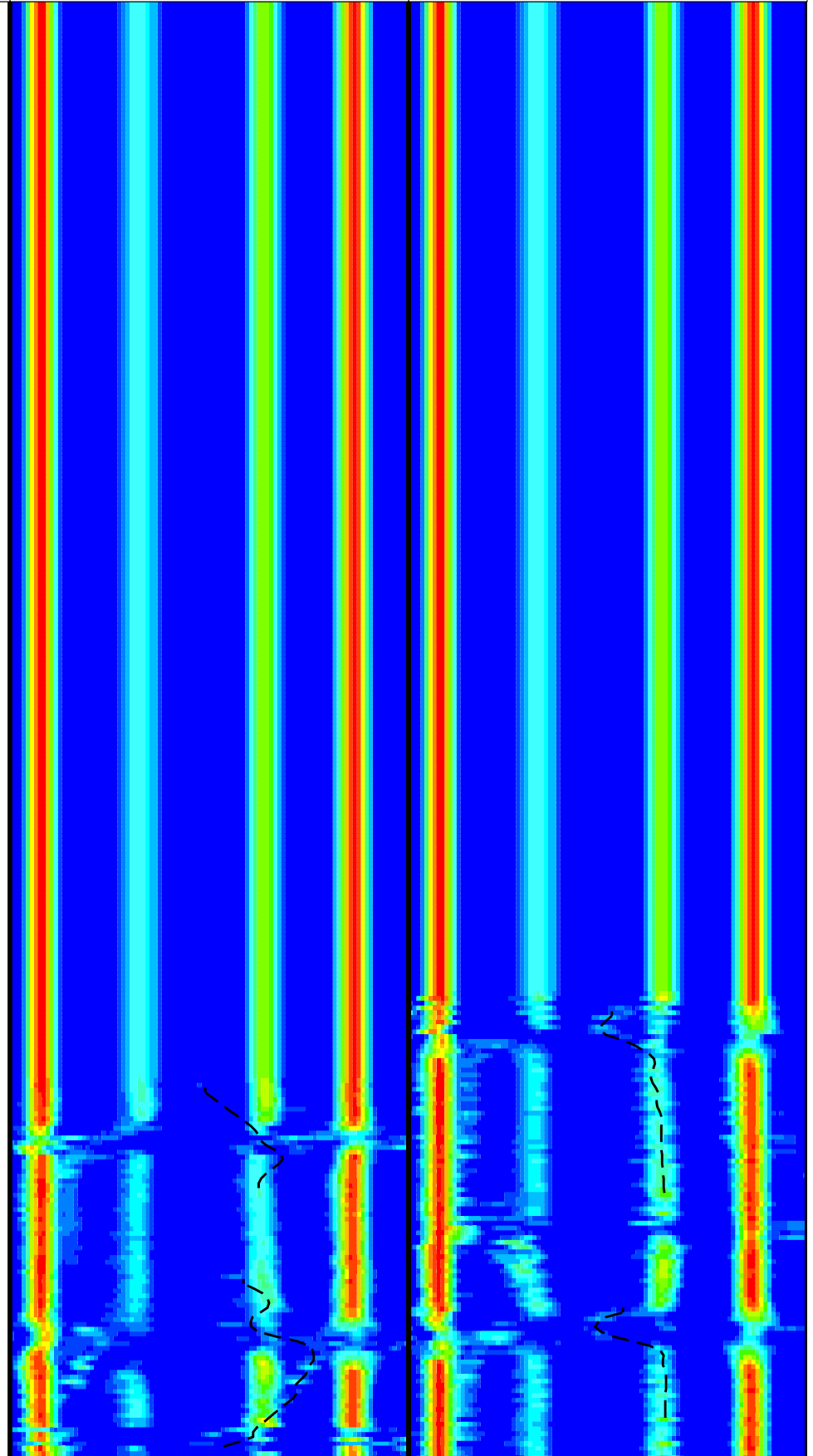
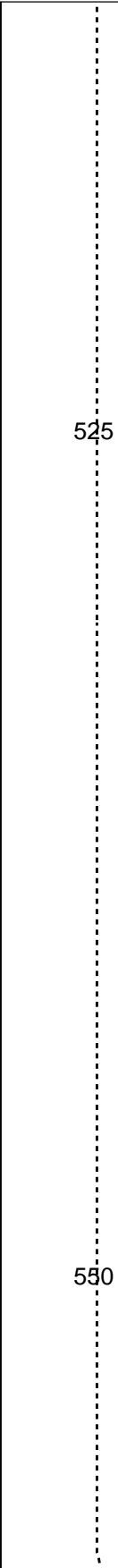
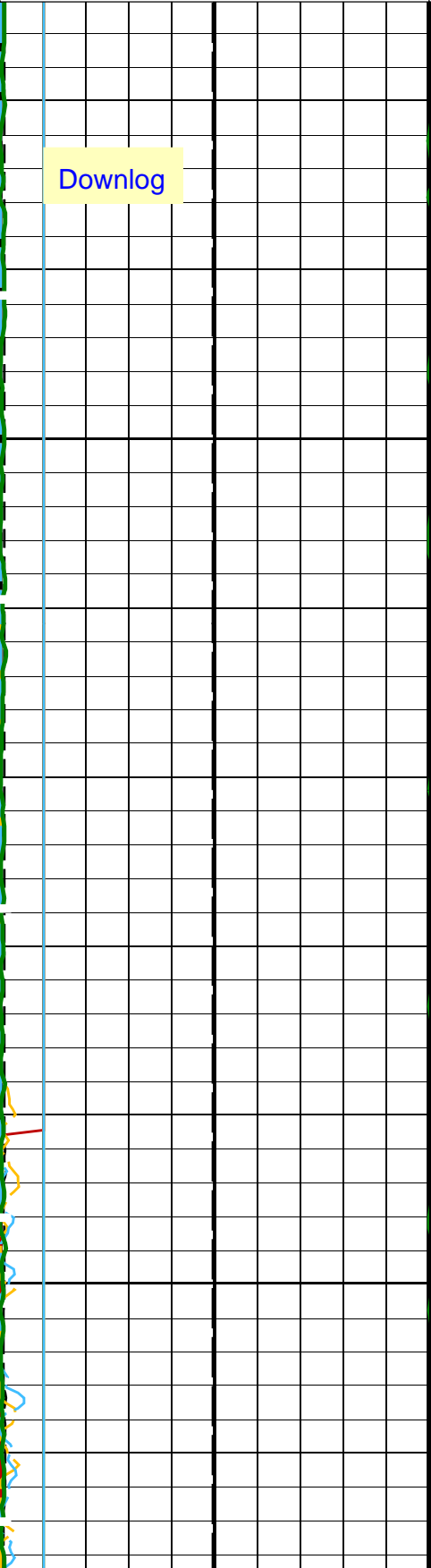
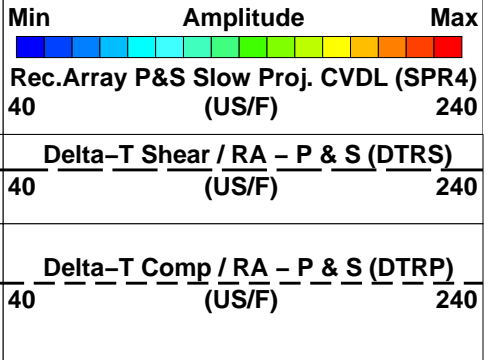
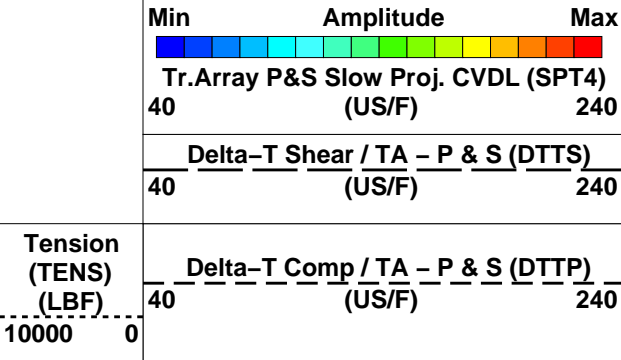
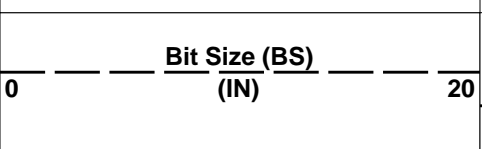
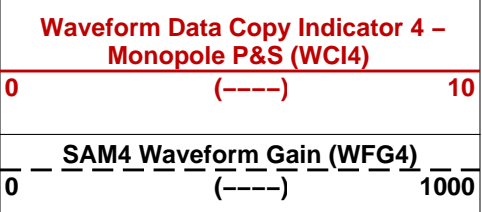
OP System Version: 19C0-187

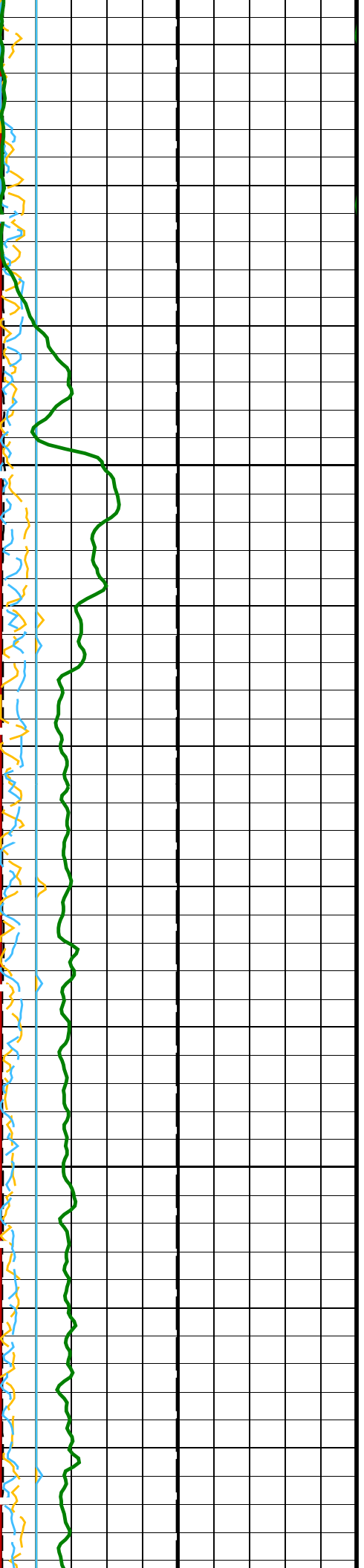
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HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

Time Mark Every 60 S

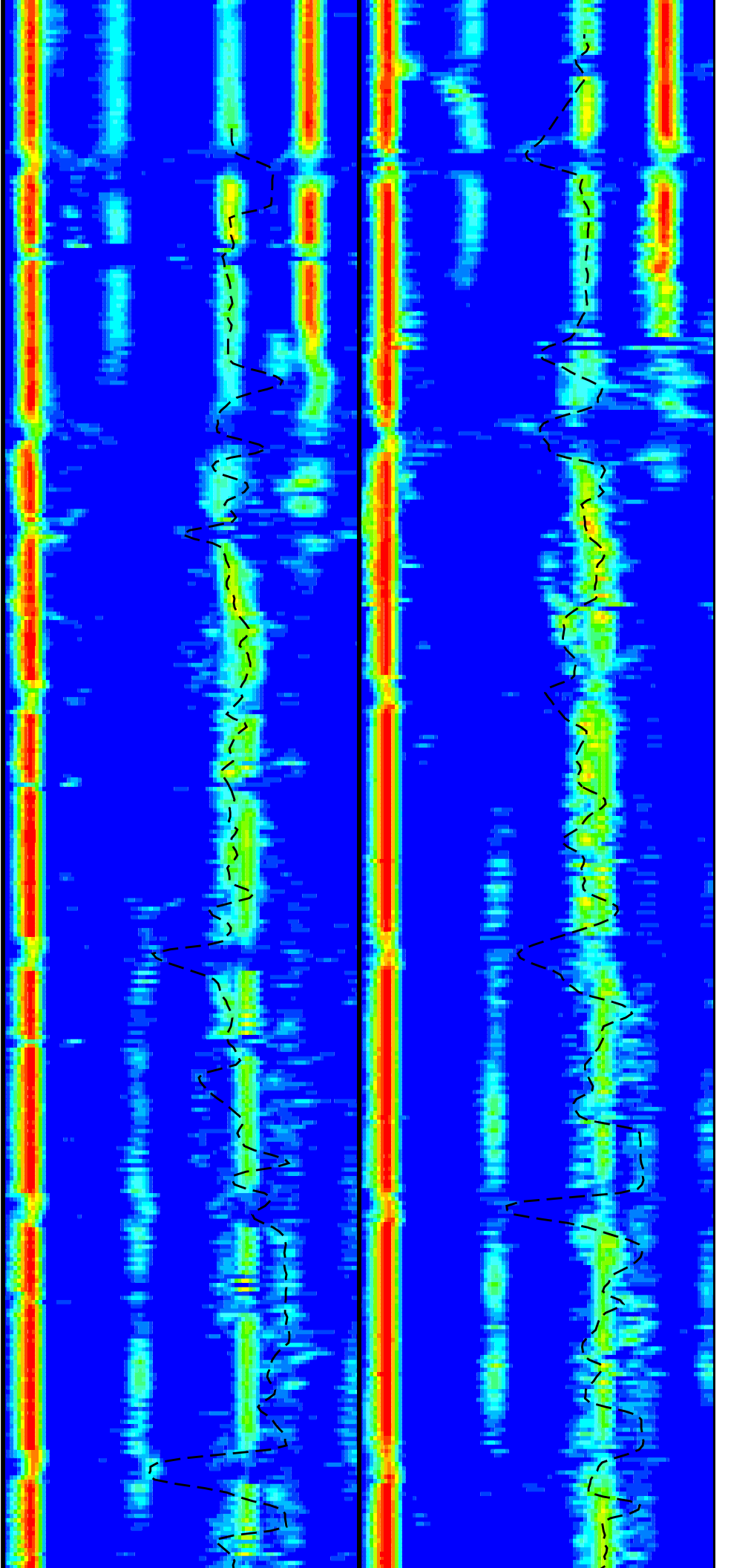
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - P & S Shear (CHTS)		
-1	(----)	9
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / TA - P & S Comp (CHTP)		
0	(----)	10
Peak Coherence / RA - P & S Comp (CHRP)		
0	(----)	10

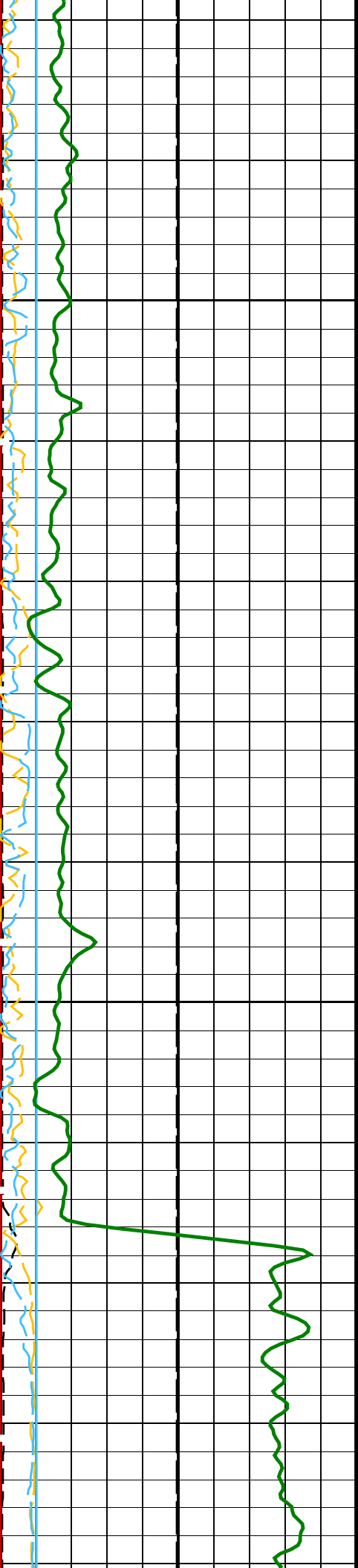




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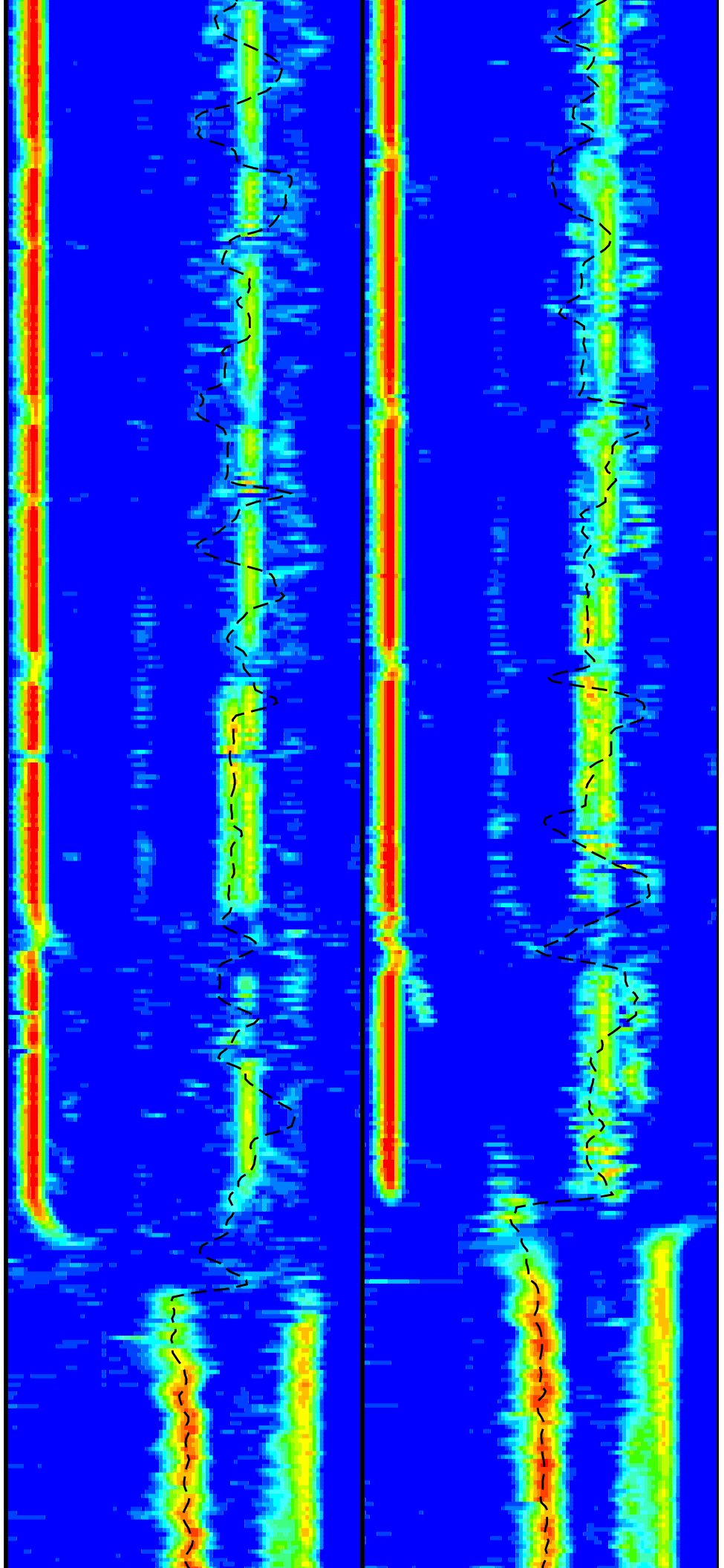
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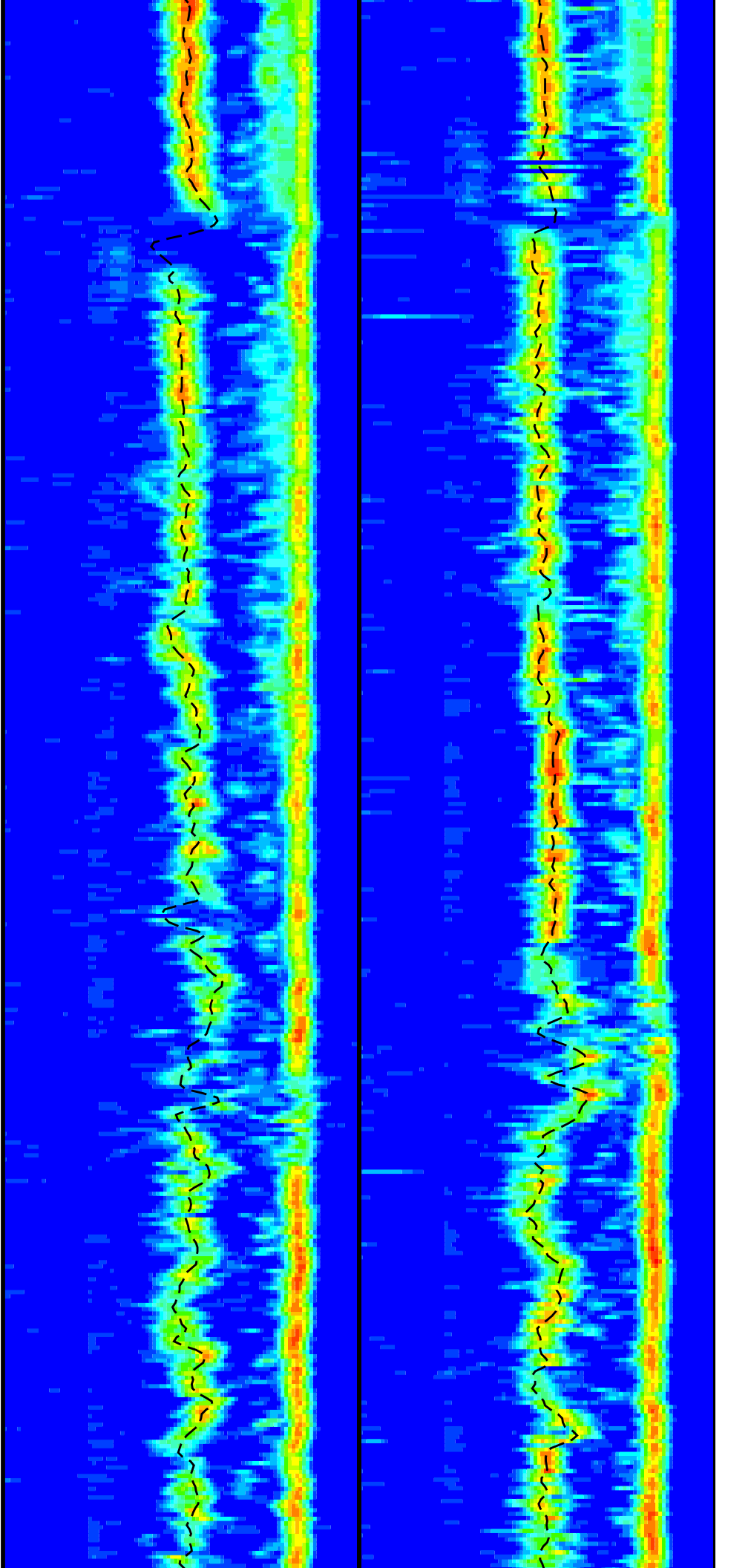
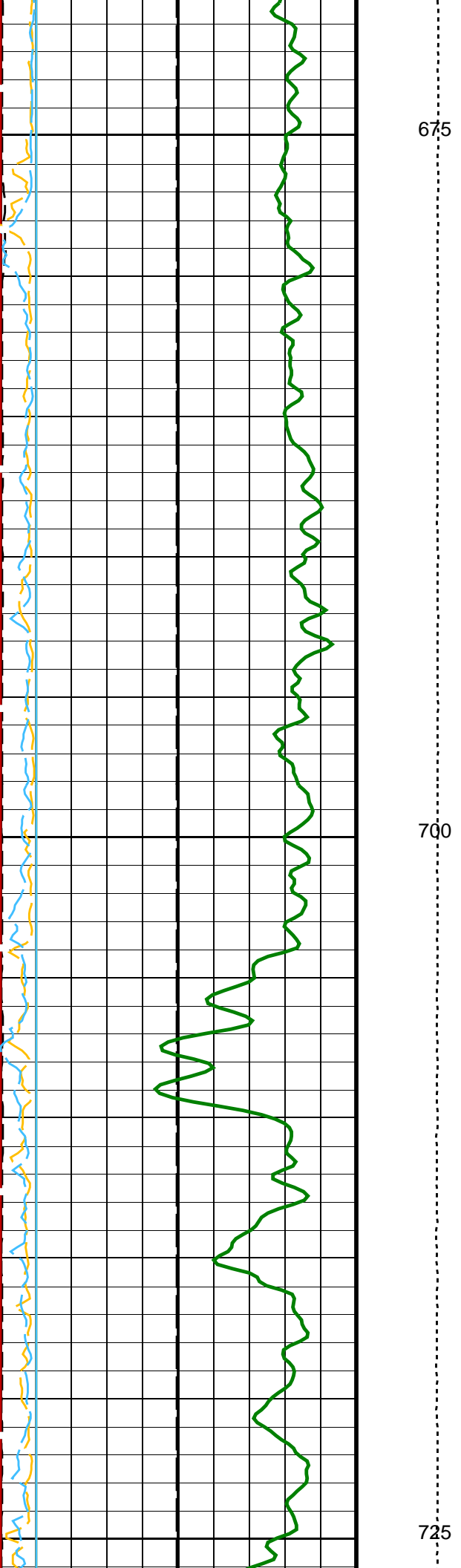


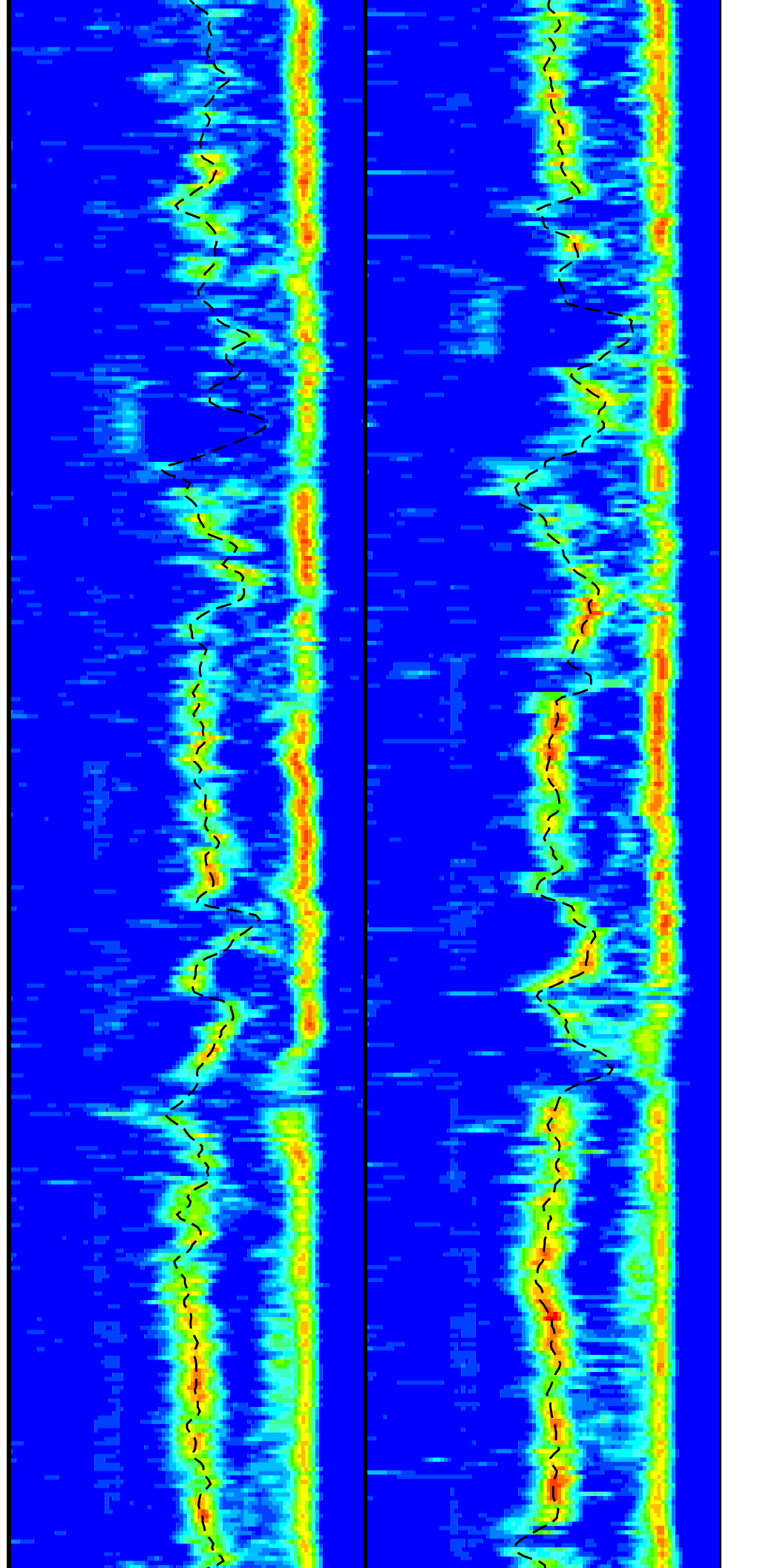
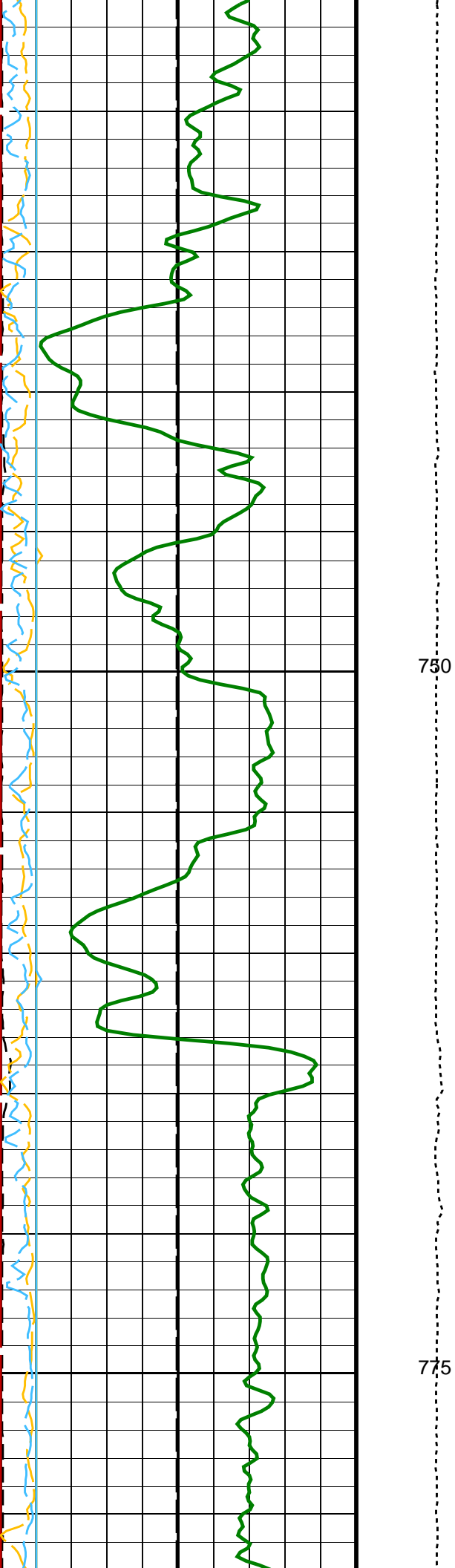


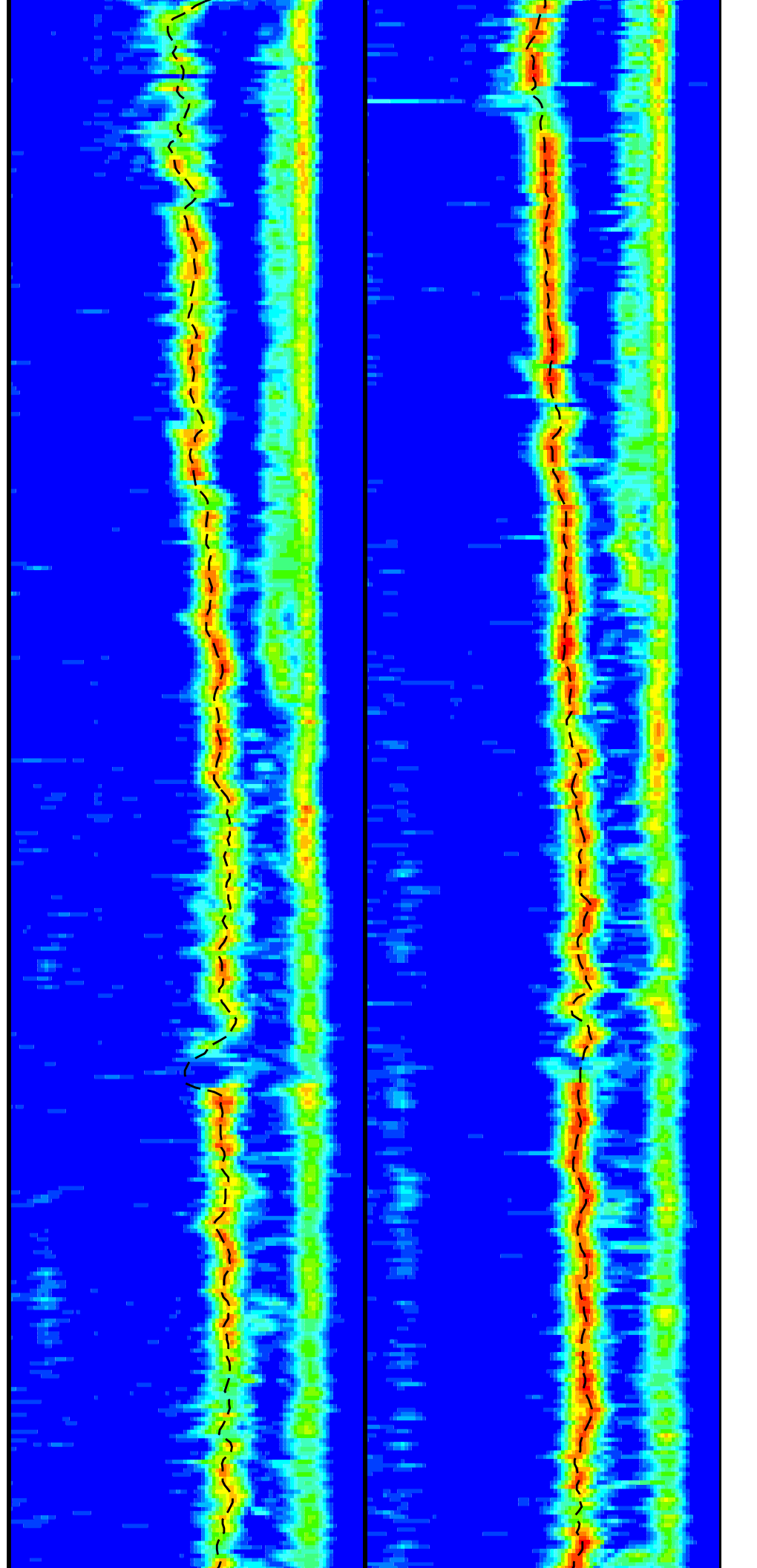
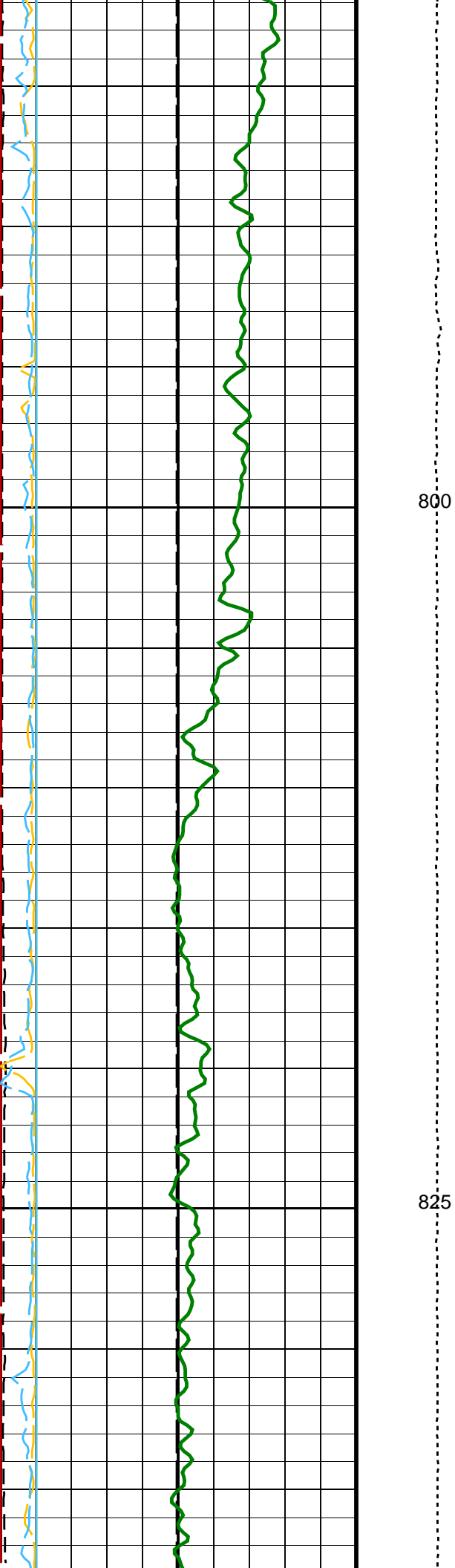
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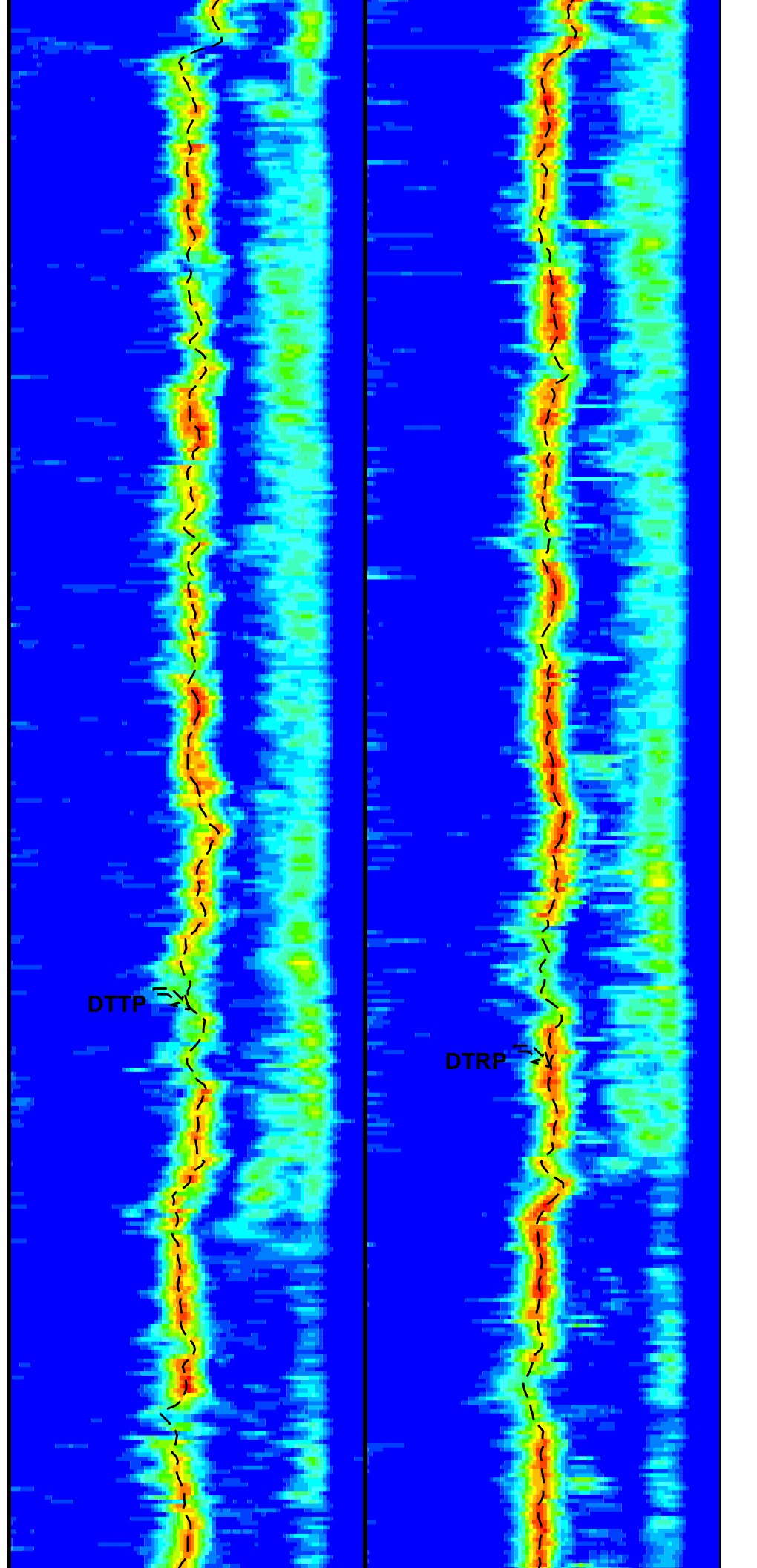
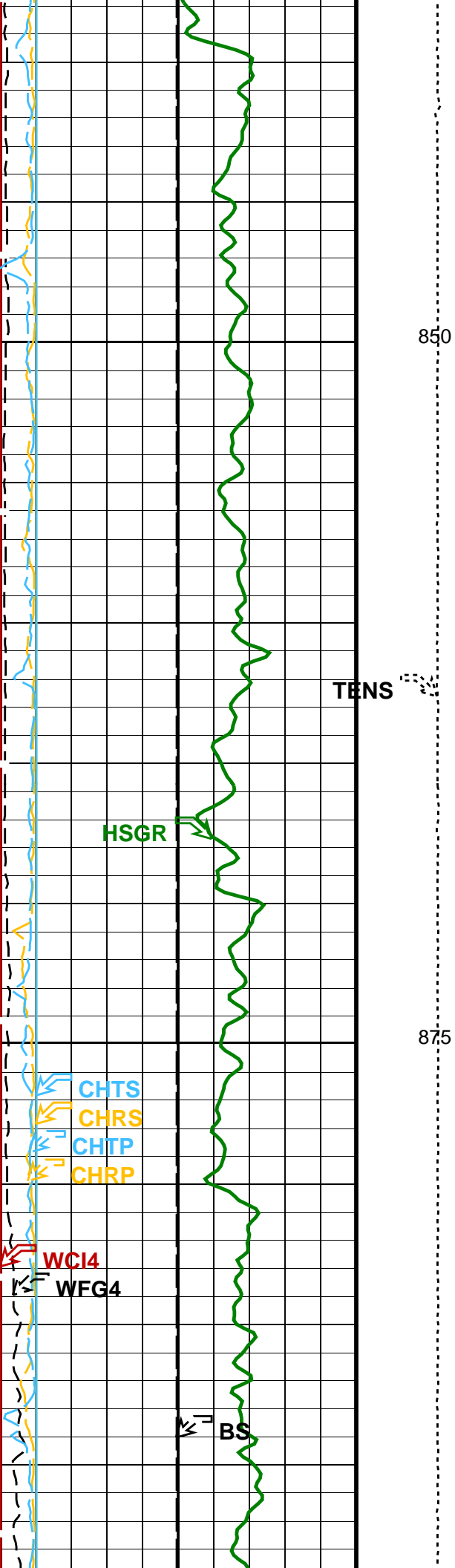
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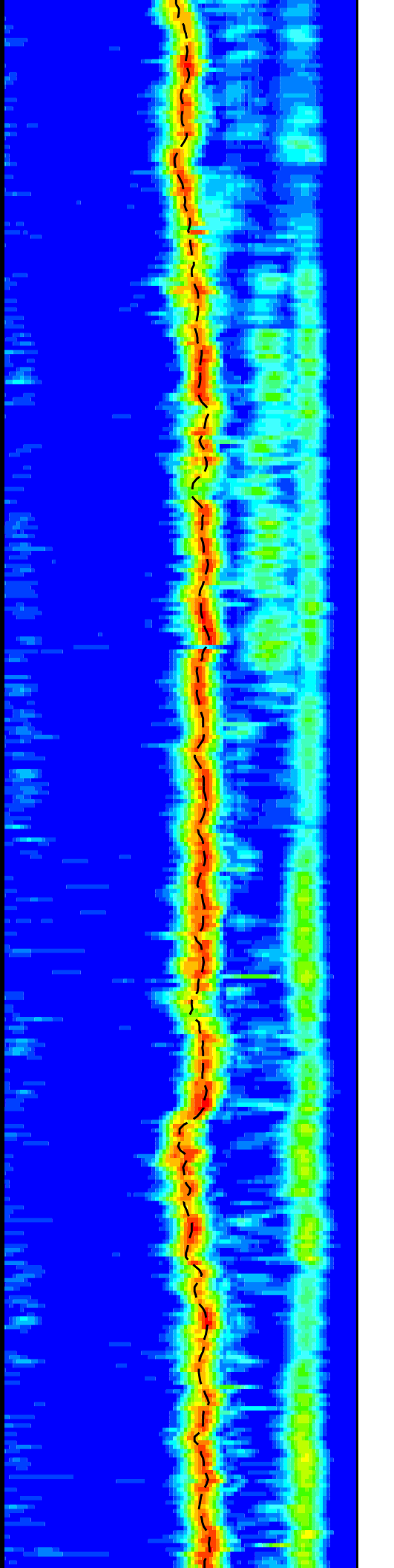
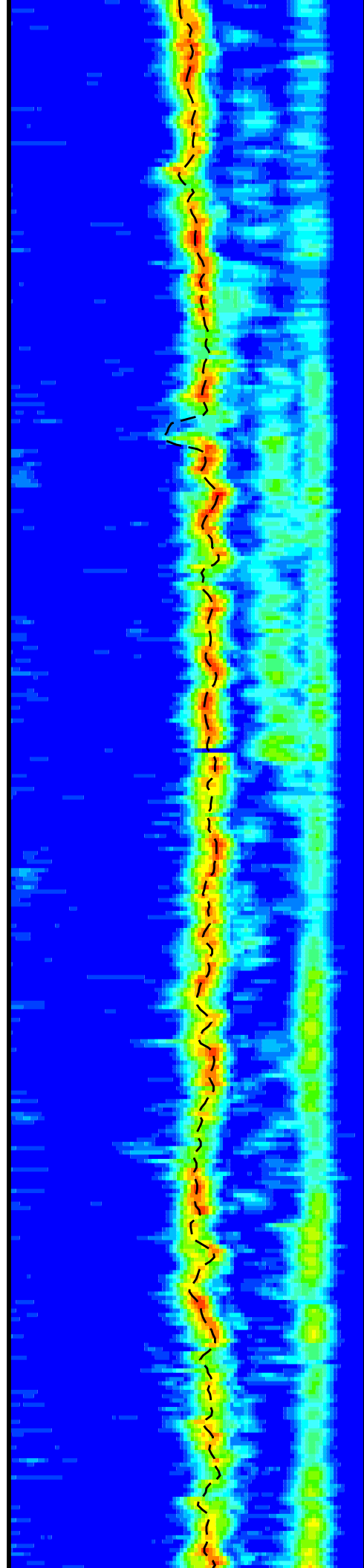
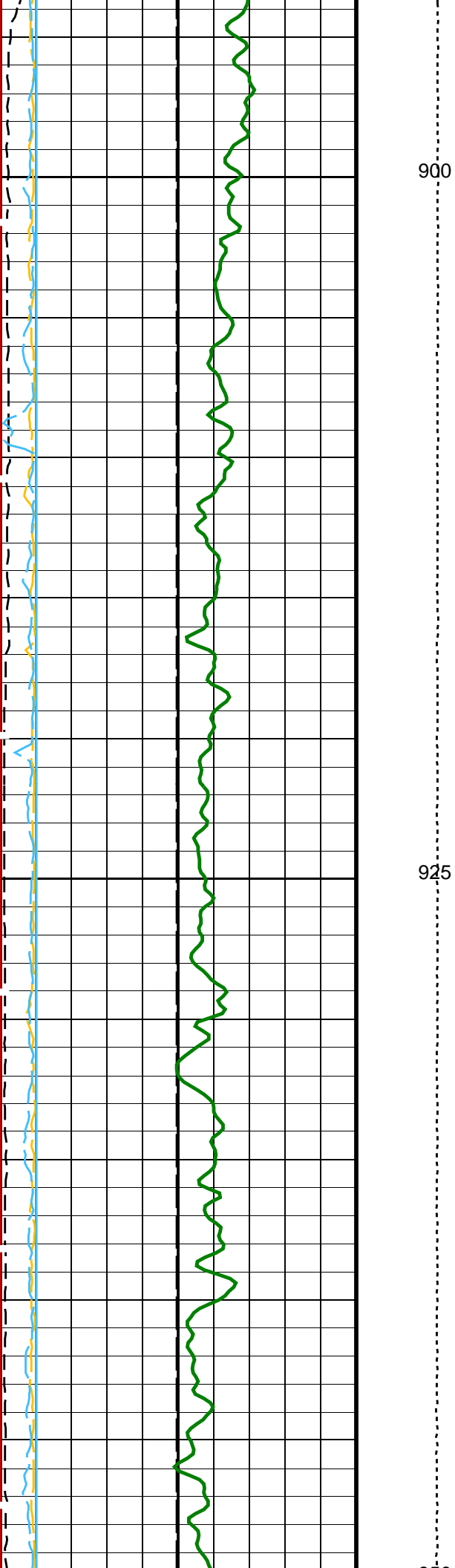


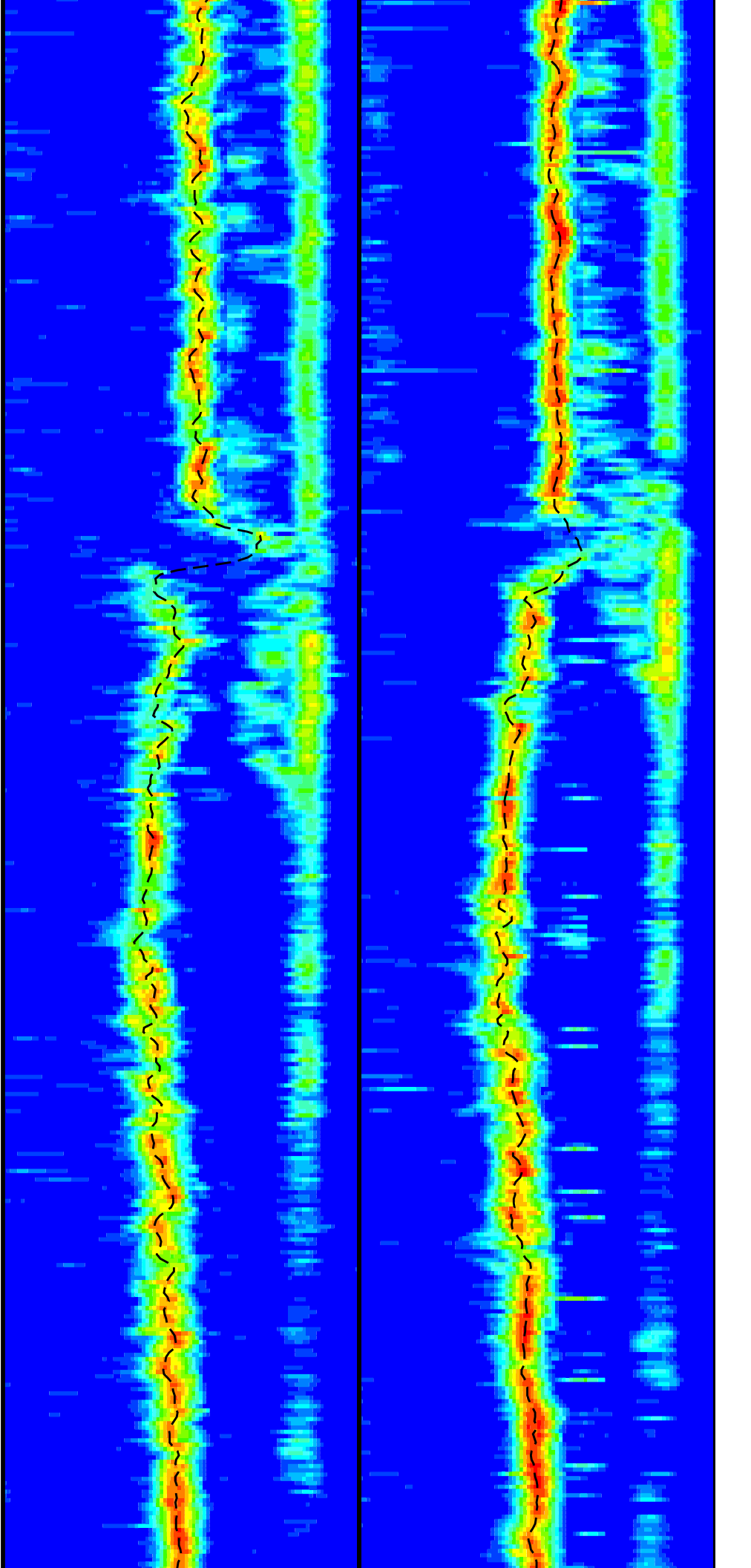
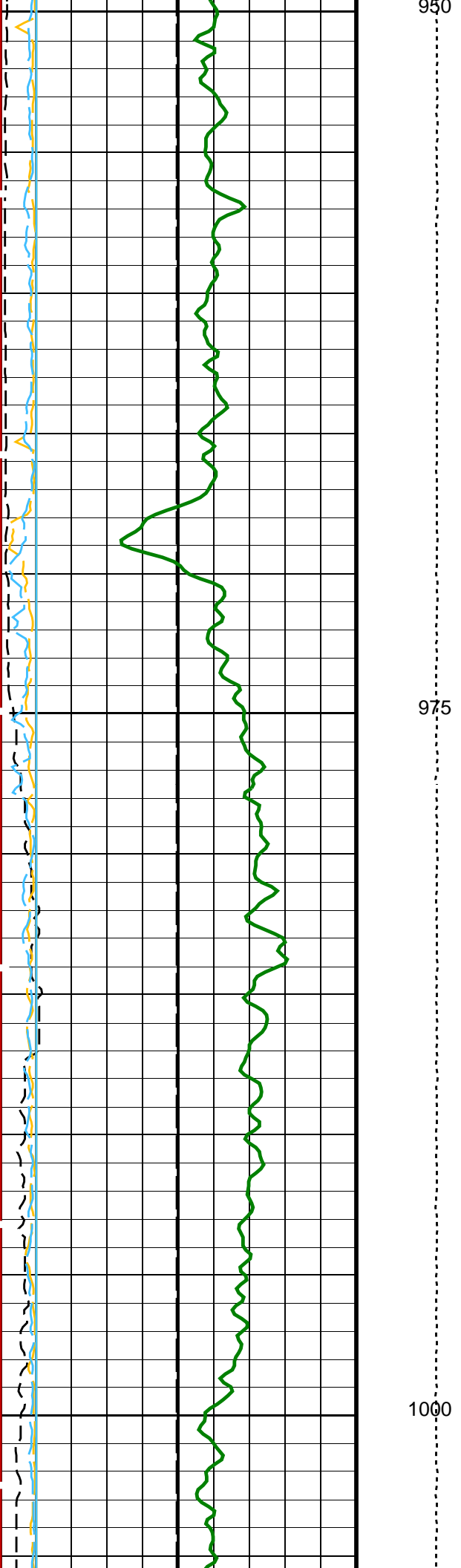


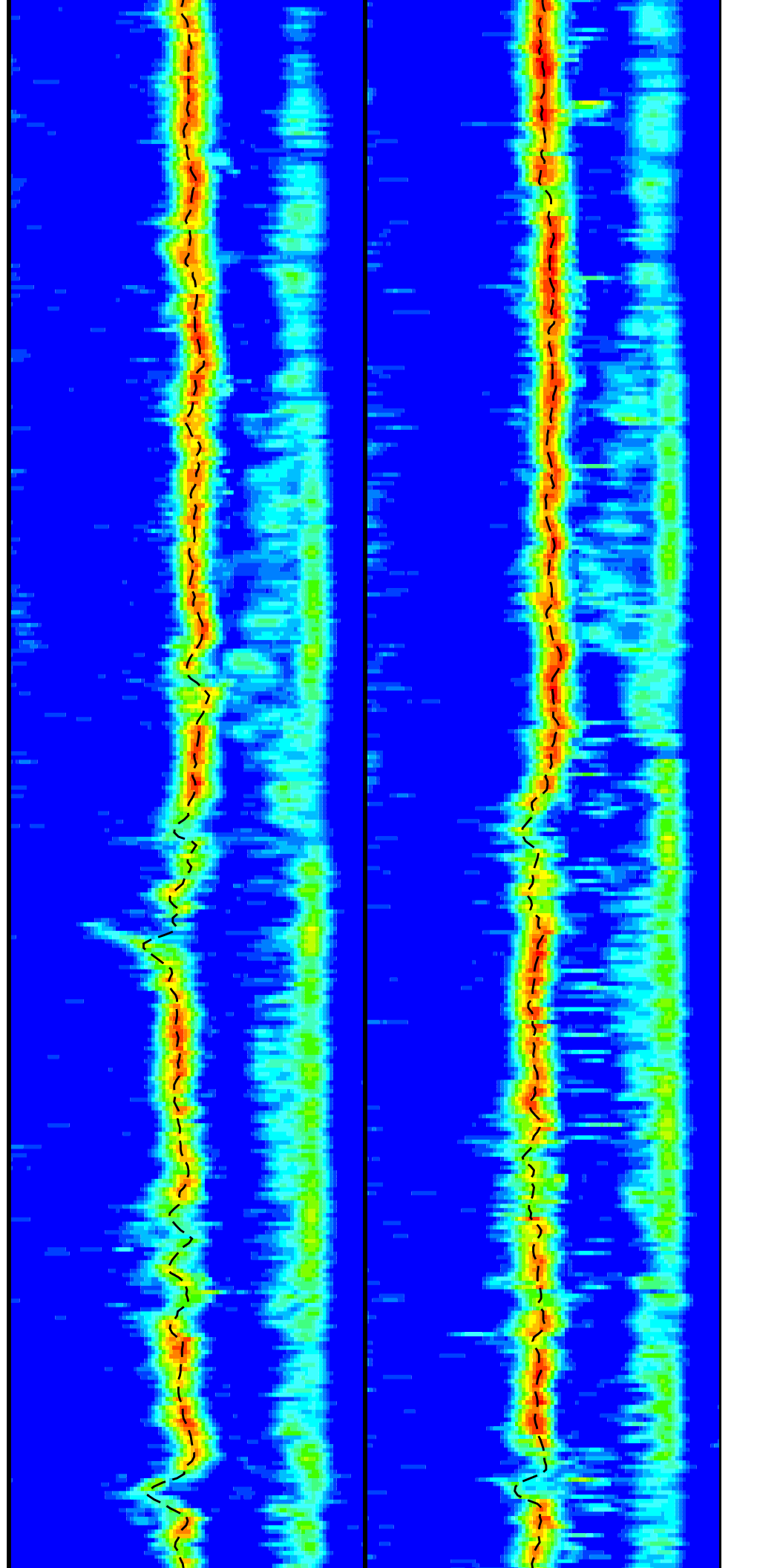
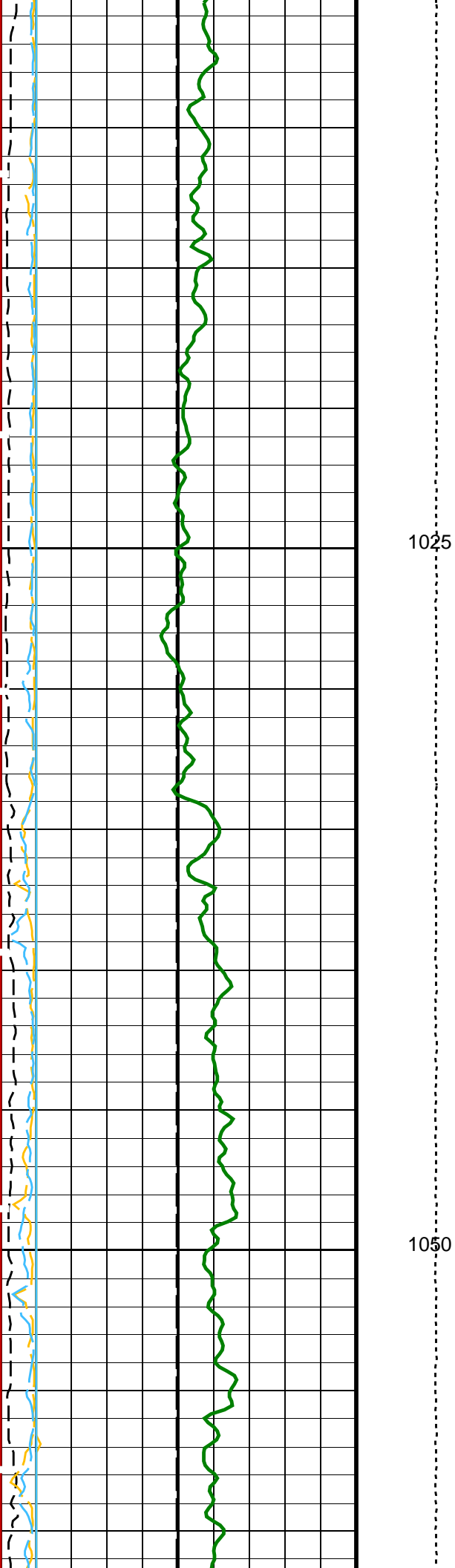


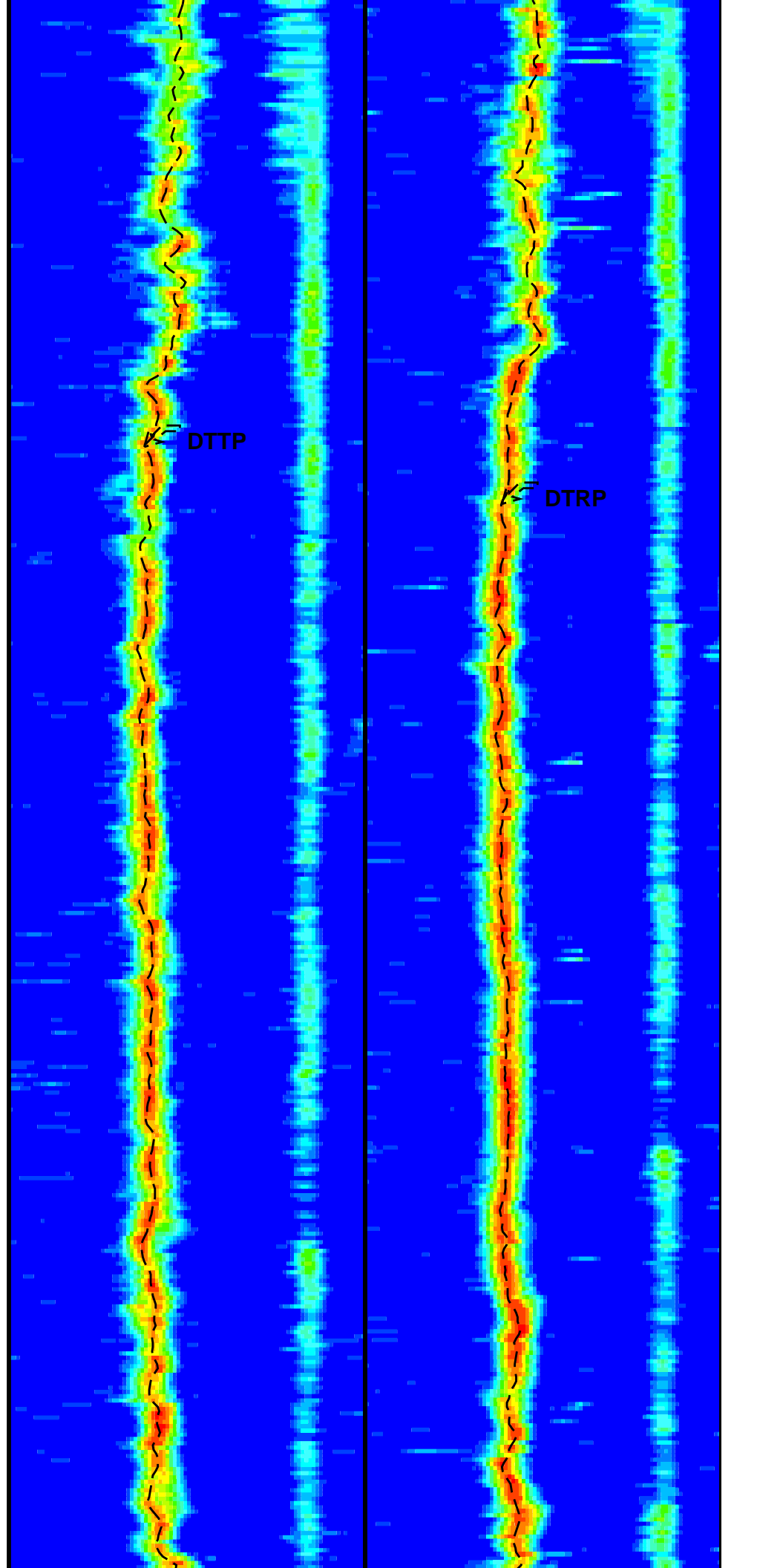
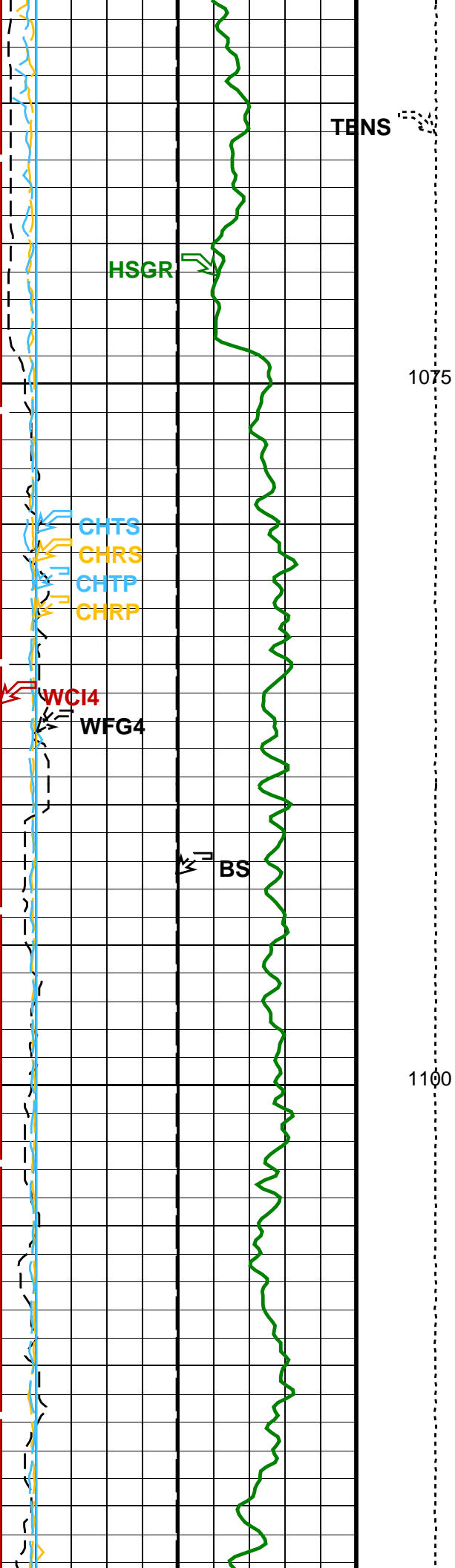


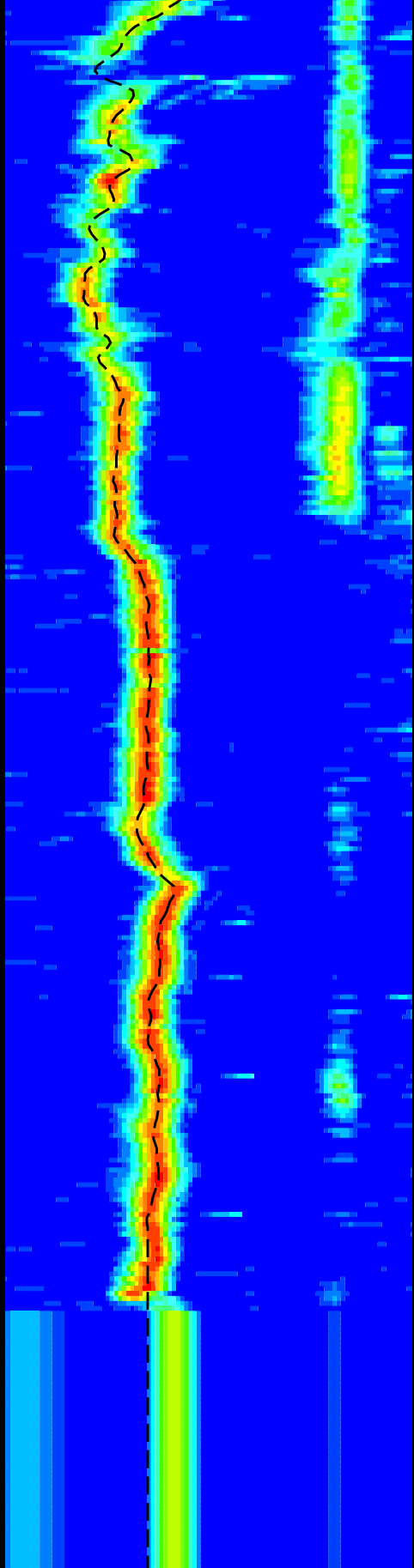
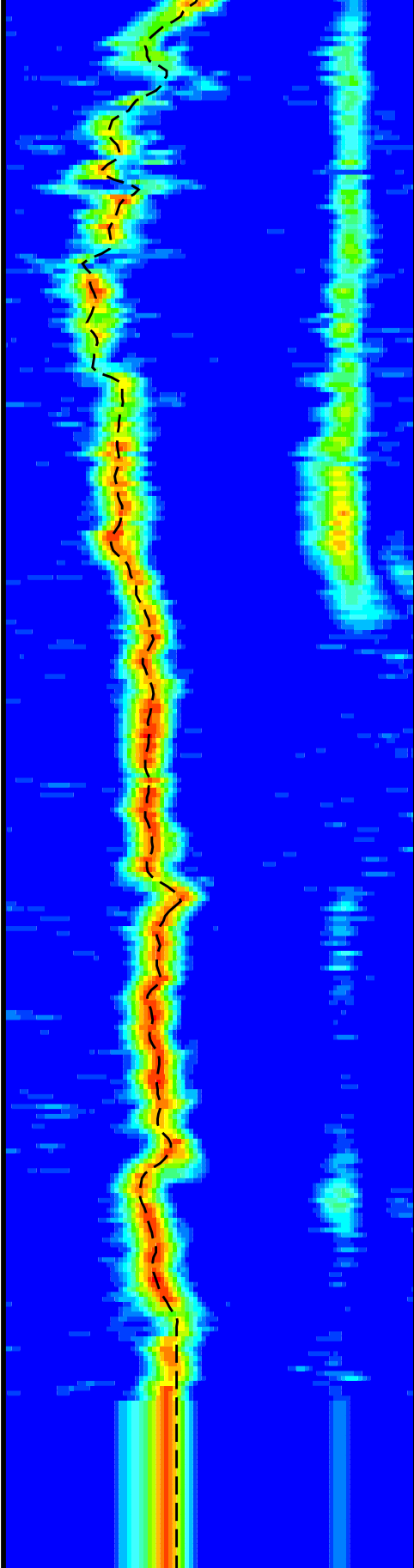
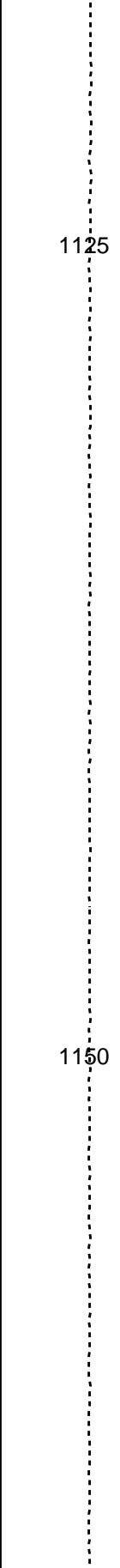
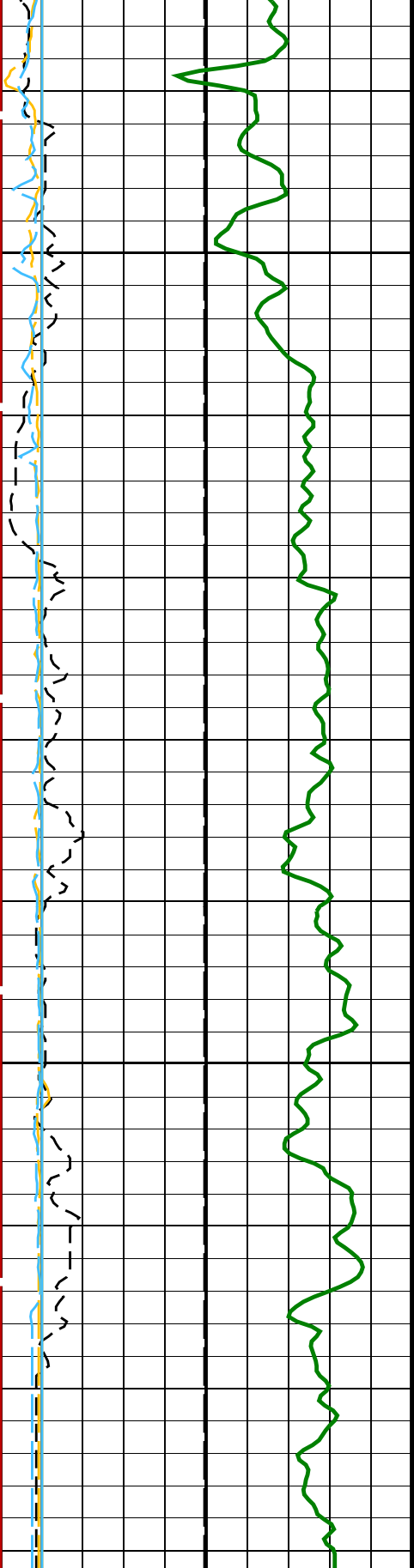












Bit Size (BS)
(IN) 0 20

Tension (TENS)
(LBF) 10000 0

Delta-T Comp / TA - P & S (DTTP)
(US/F) 40 240

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

SAM4 Waveform Gain (WFG4)
(----) 0 1000

Delta-T Shear / TA - P & S (DTTS)
(US/F) 40 240

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

Waveform Data Copy Indicator 4 -

Min Amplitude Max

Min Amplitude Max

0	(-----)	10
Peak Coherence / RA – P & S Comp (CHRP)		
0	(-----)	10
Peak Coherence / TA – P & S Comp (CHTP)		
0	(-----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(-----)	9
Peak Coherence / TA – P & S Shear (CHTS)		
-1	(-----)	9
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

Tr.Array P&S Slow Proj. CVDL (SPT4)	Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240	40 (US/F) 240

Downlog

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	60
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	60 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	202 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	205 US/F
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
NWI4	Number Waveform Items 4	8
NWIX	Number Waveform Items X	0
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS4	STC Sonic Array Status – Monopole P&S	255
SBO4	STC Search Band Offset – Monopole P&S	500 US
SBR4	STC Baseline Removal – Monopole P&S	ON
SBW4	STC Search Bandwidth – Monopole P&S	2000 US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE
SFM4	STC Filter – Monopole P&S	B3-20K
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	239 US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240 US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40 US/F
SST4	STC Slowness Step – Monopole P&S	2 US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4
STLL	Label Slowness Lower Limit – Monopole Stoneley	180 US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780 US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240 US/F
SWD4	STC Slowness Width – Monopole P&S	10 US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300 US
TLI4	STC Time Lower Limit – Monopole P&S	150 US

TST4	STC Time Step - Monopole P&S	50	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
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	-0.00319633	
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	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	OFF	

Format: DSST_P_S_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 21:06

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06
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Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06	1165.7 M	512.1 M
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OP System Version: 19C0-187

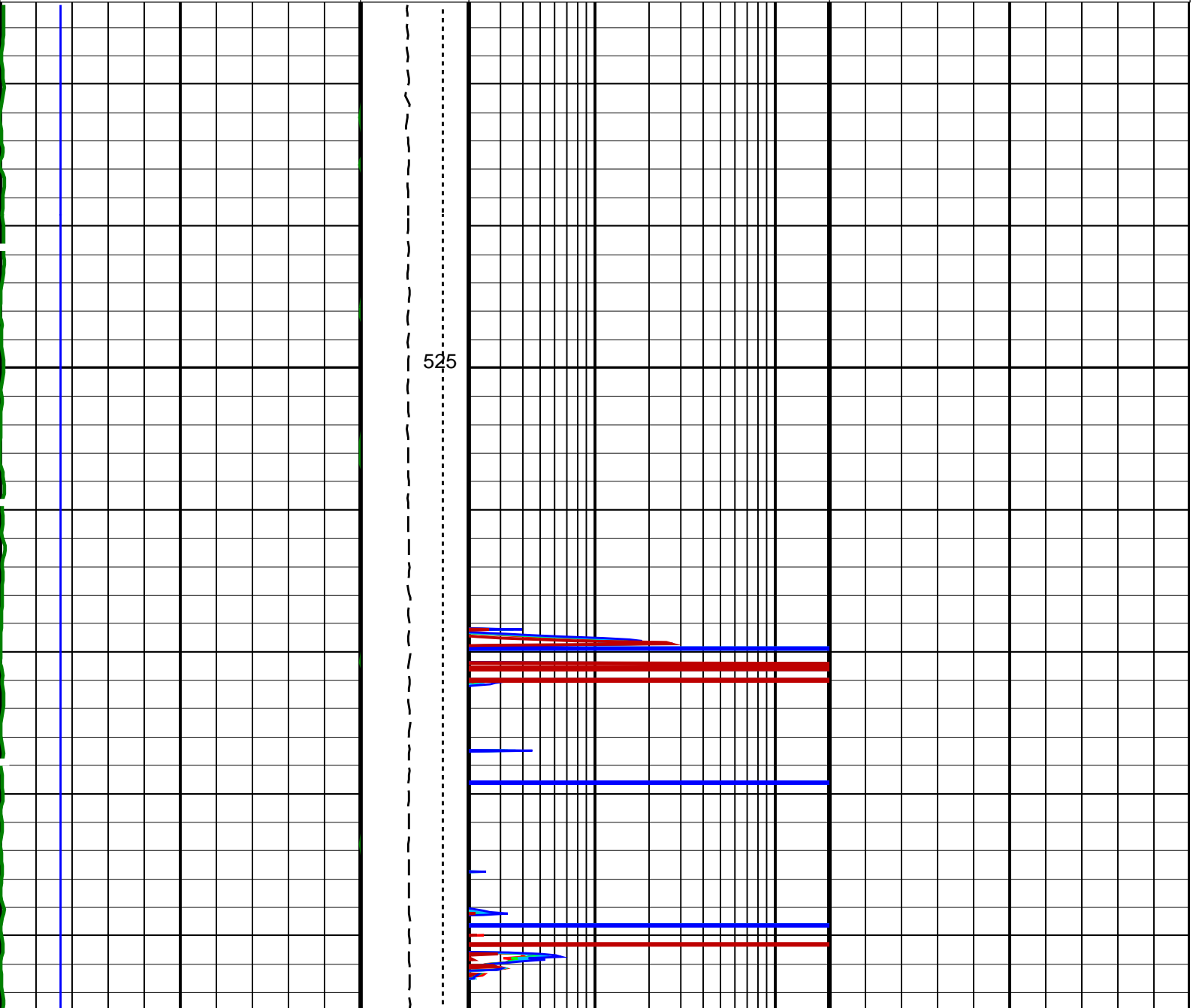
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HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

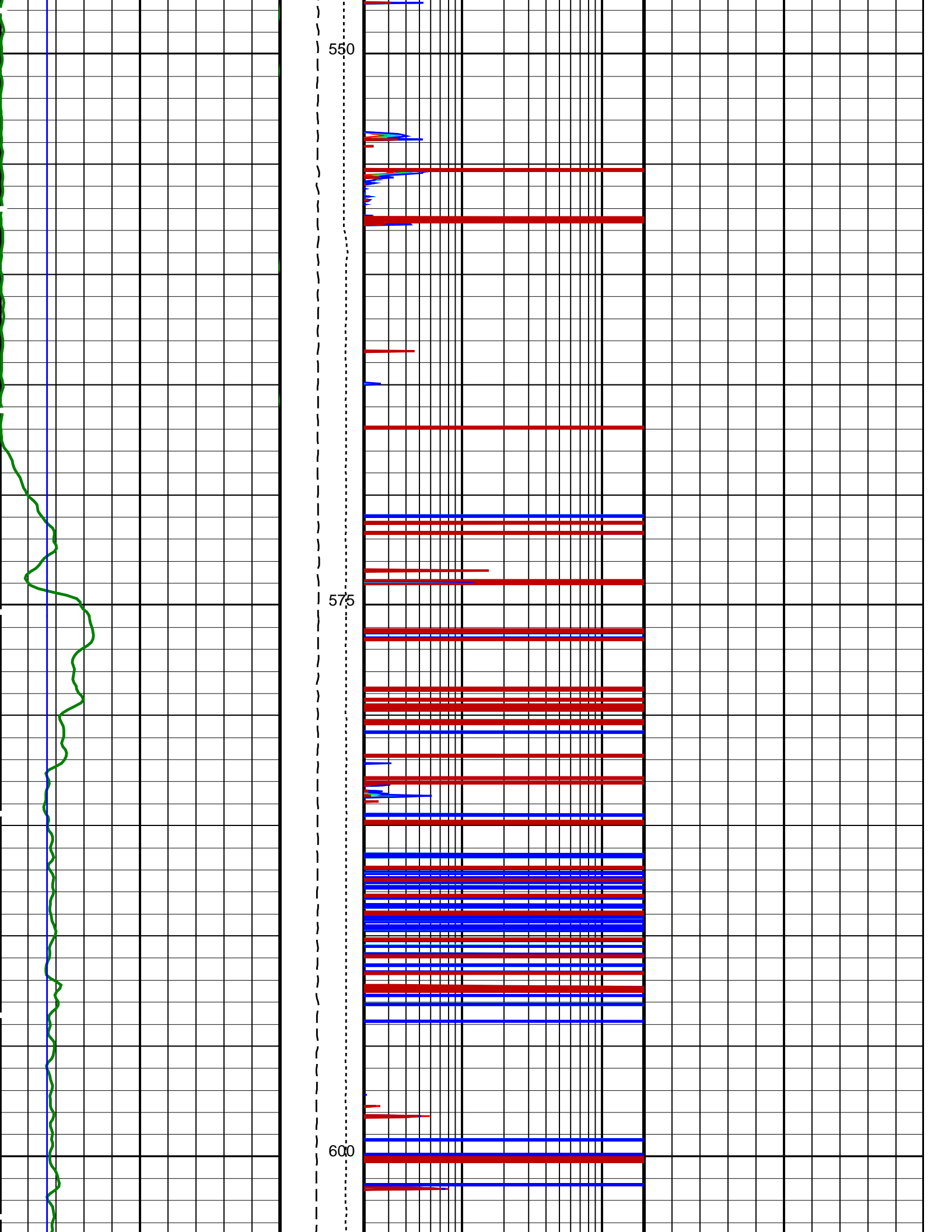
PIP SUMMARY

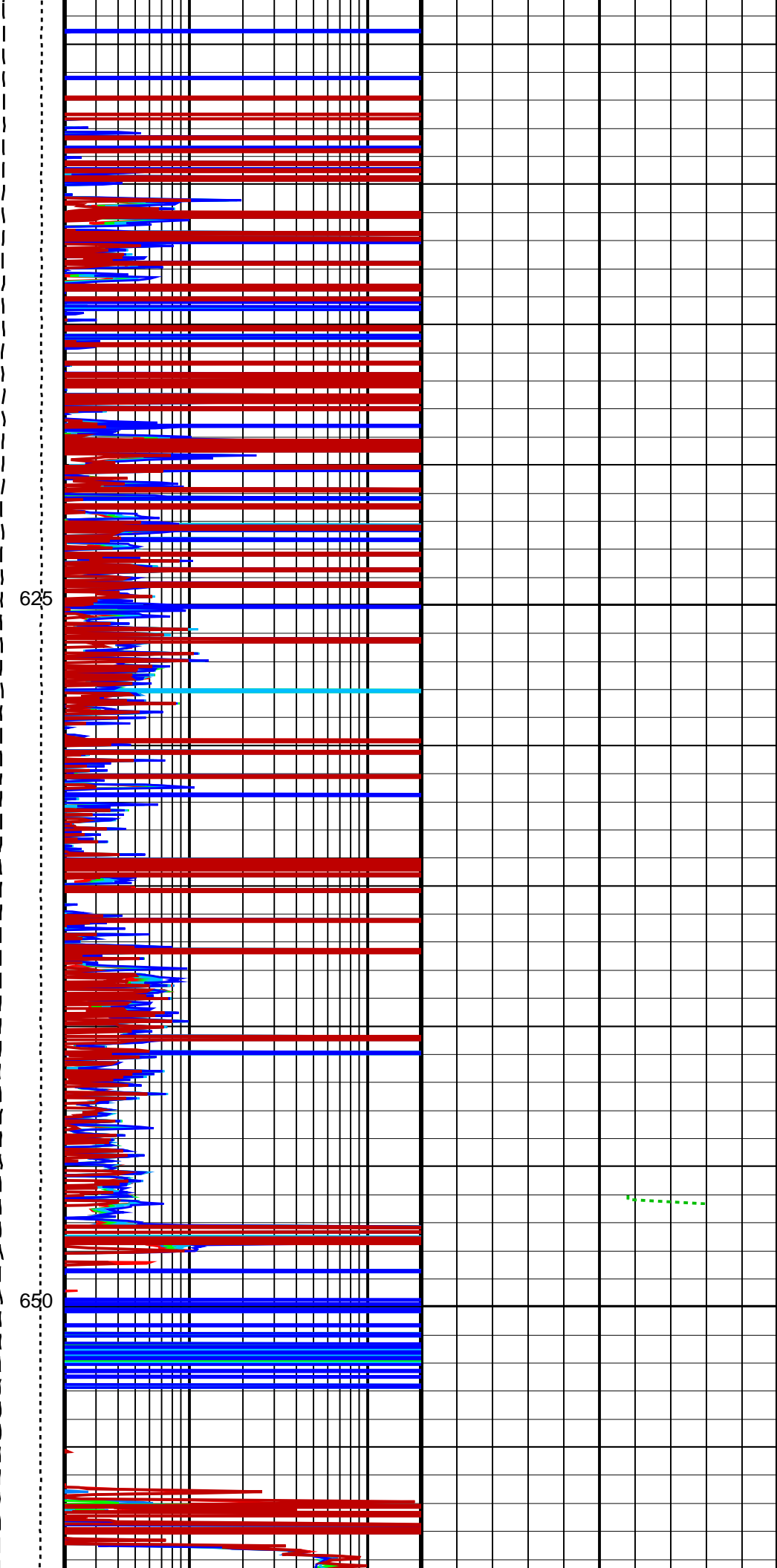
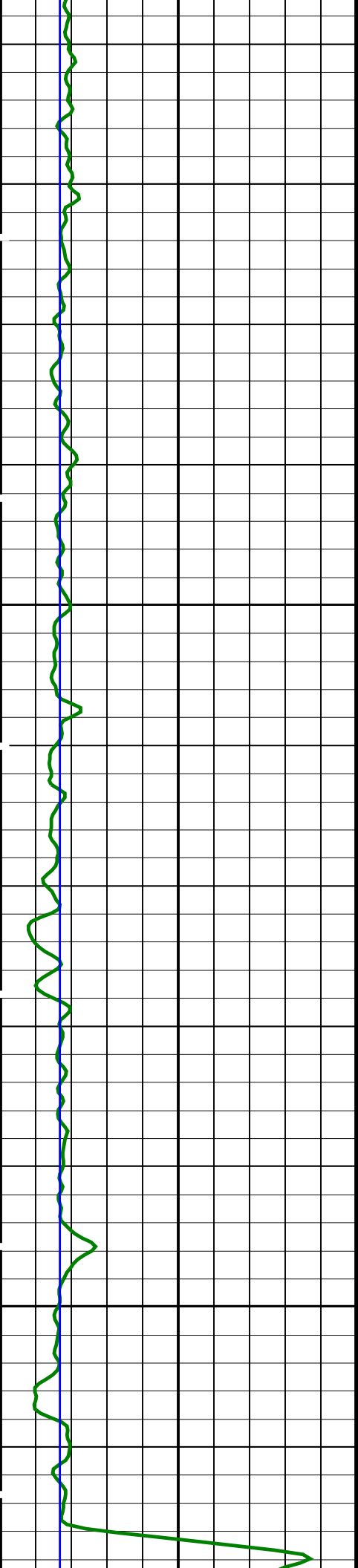
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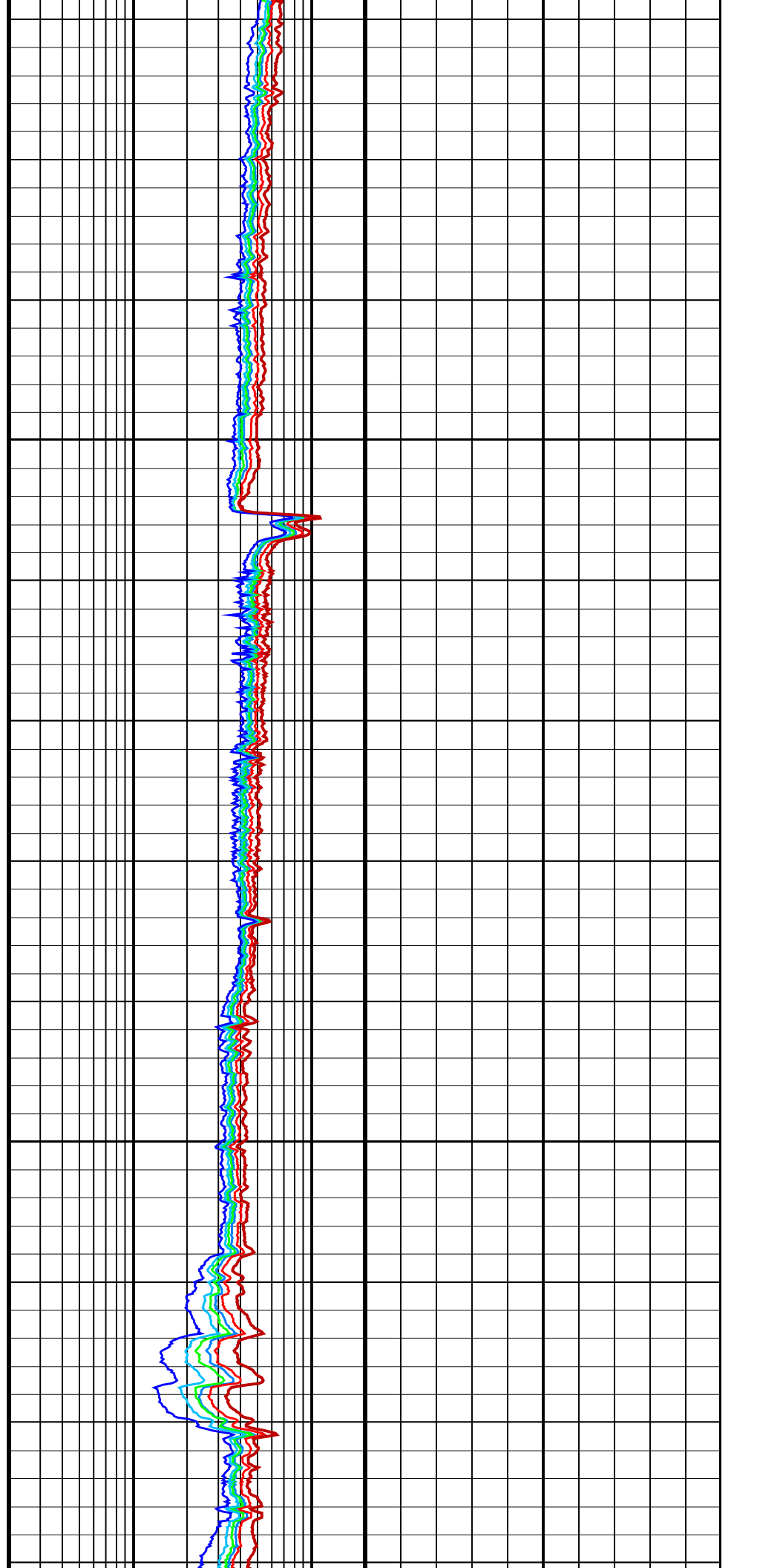
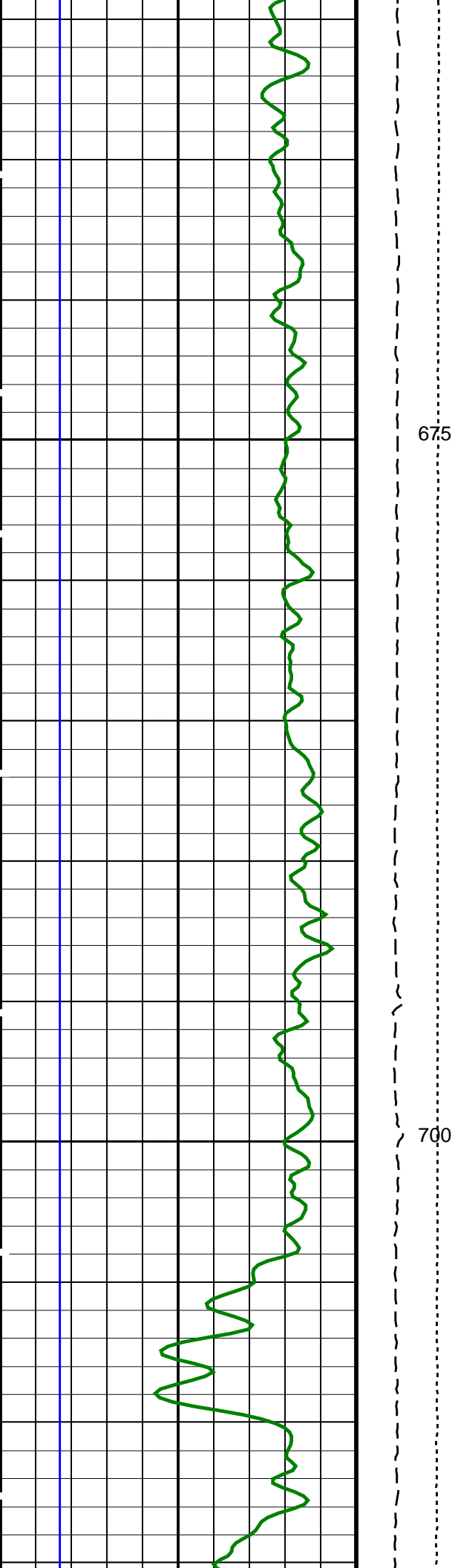
Downlog

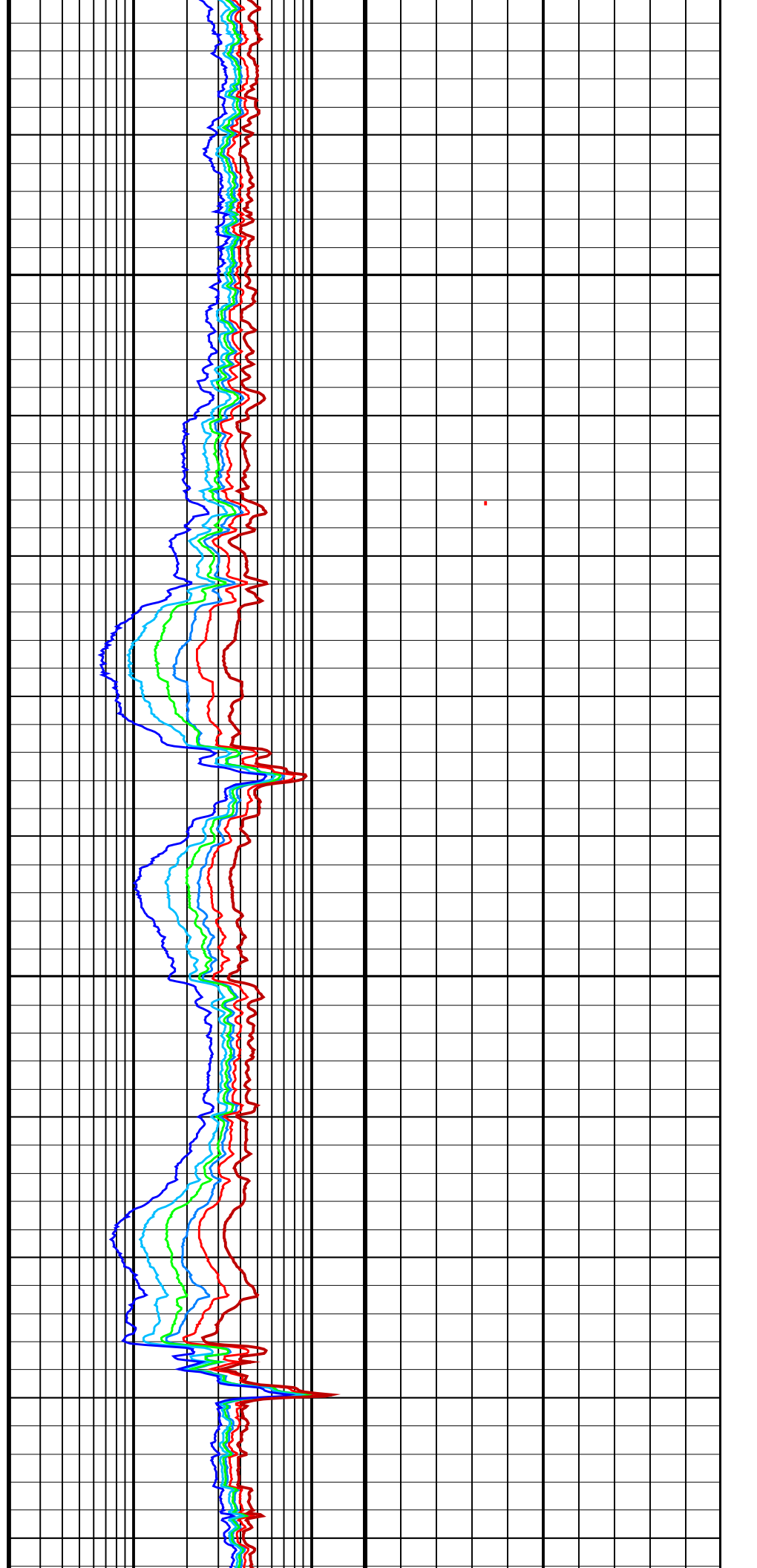
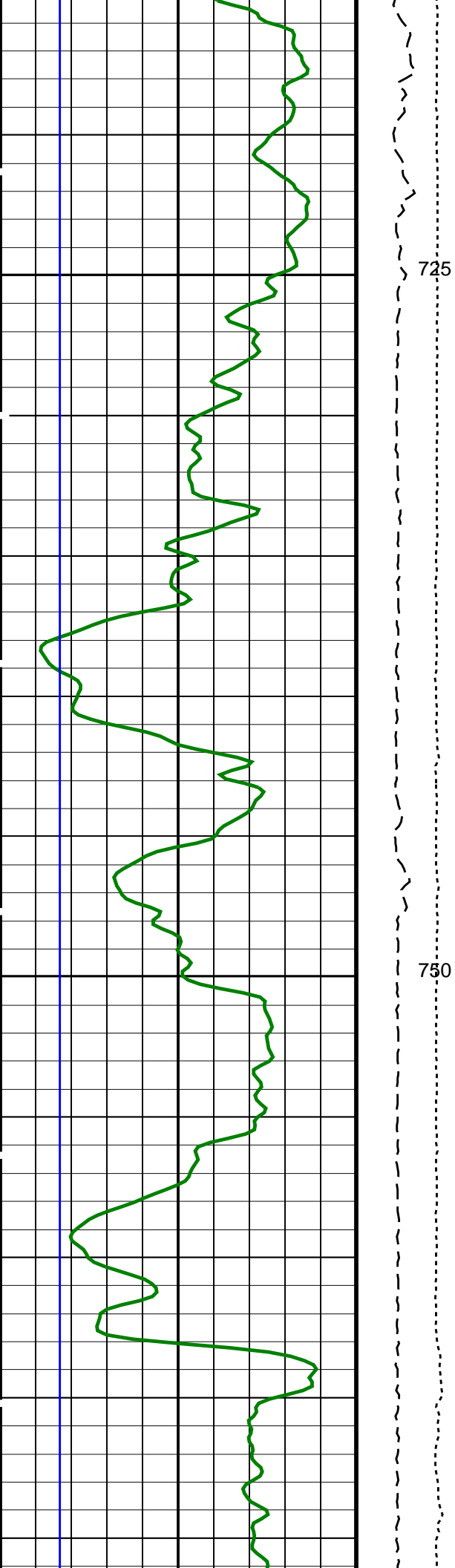
		HRLT True Resistivity (RT_HRLT)			
		0.2	(OHMM)	20	
		HRLT Resistivity 1 (RLA1)			
		0.2	(OHMM)	20	
		HRLT Resistivity 2 (RLA2)			
		0.2	(OHMM)	20	
		HRLT Resistivity 3 (RLA3)		HLDS Bulk Density Correction (DRH)	
		0.2	(OHMM)	20	-0.25 (G/C3) 0.25
HNGS Spectroscopy Gamma Ray (HSGR)		Calibrated Downhole Force (CDF) (LBF)		HRLT Resistivity 5 (RLA5)	
0	(GAPI) 100	0.2	(OHMM)	20	HLDS Bulk Density (RHOM)
		3000	0	0	(G/C3) 4
HLDS Caliper (LCAL)		Tension (TENS) (LBF)		HRLT Resistivity 4 (RLA4)	
0	(IN) 20	0.2	(OHMM)	20	HLDS Long Spaced Photoelectric Effect (PEFL)
		10000	0	0	(----) 10

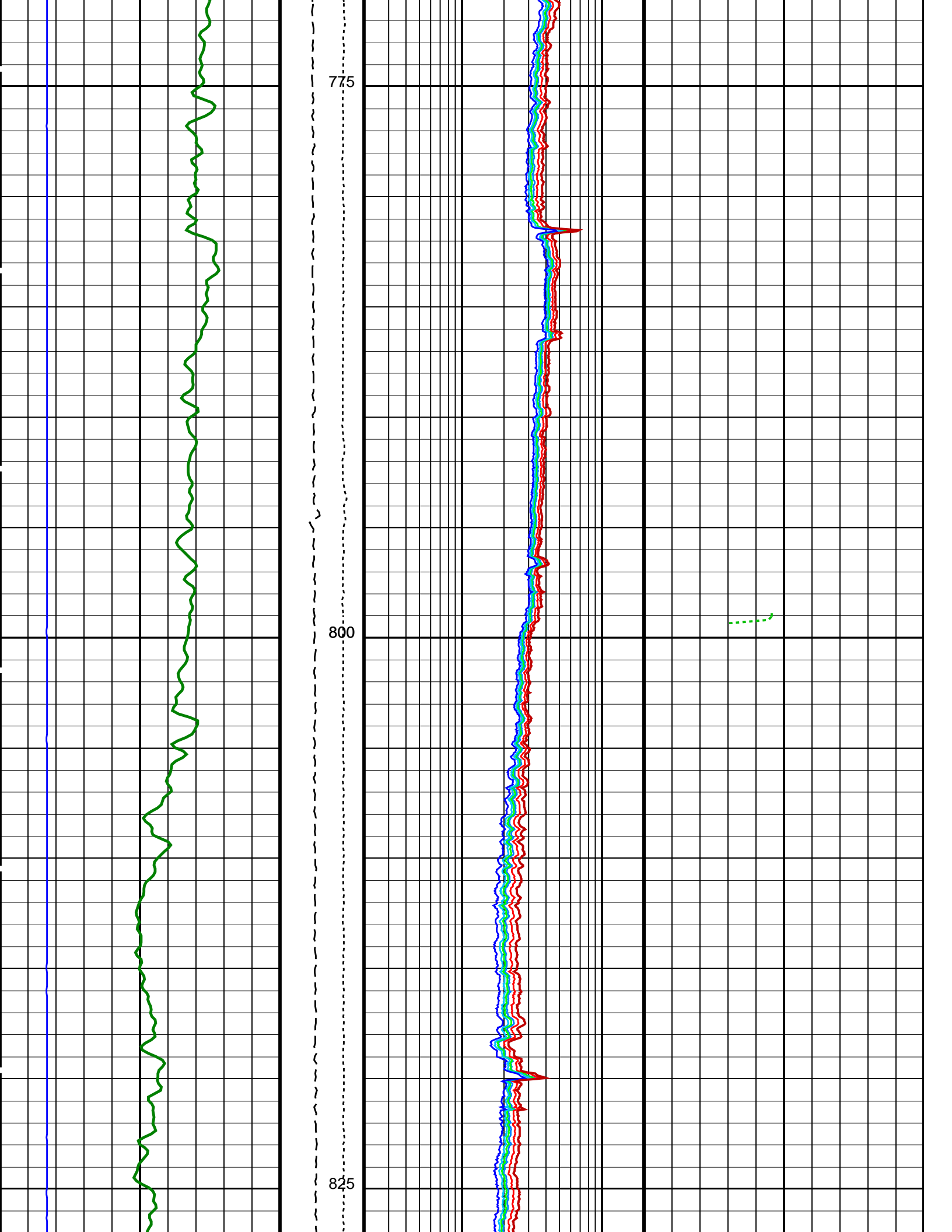


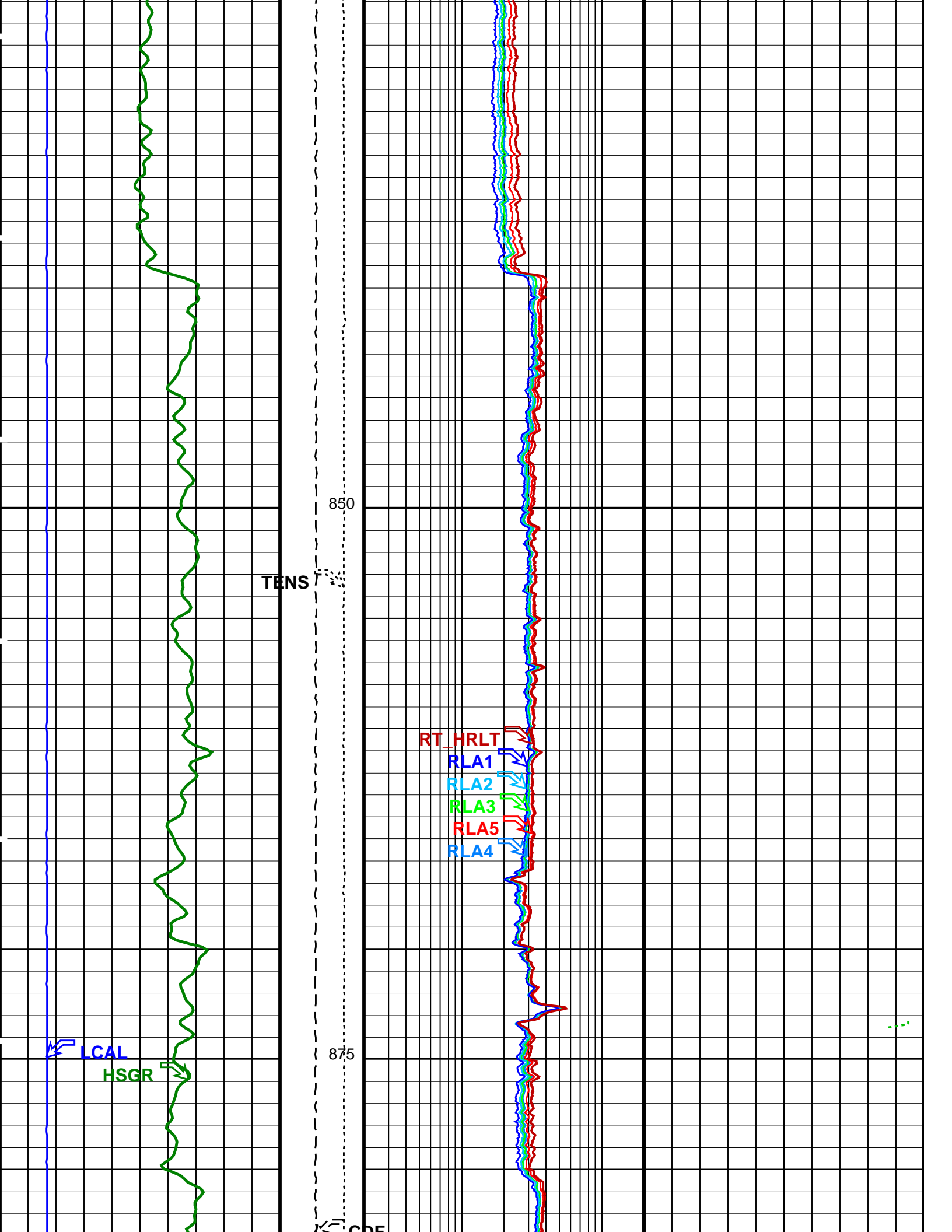


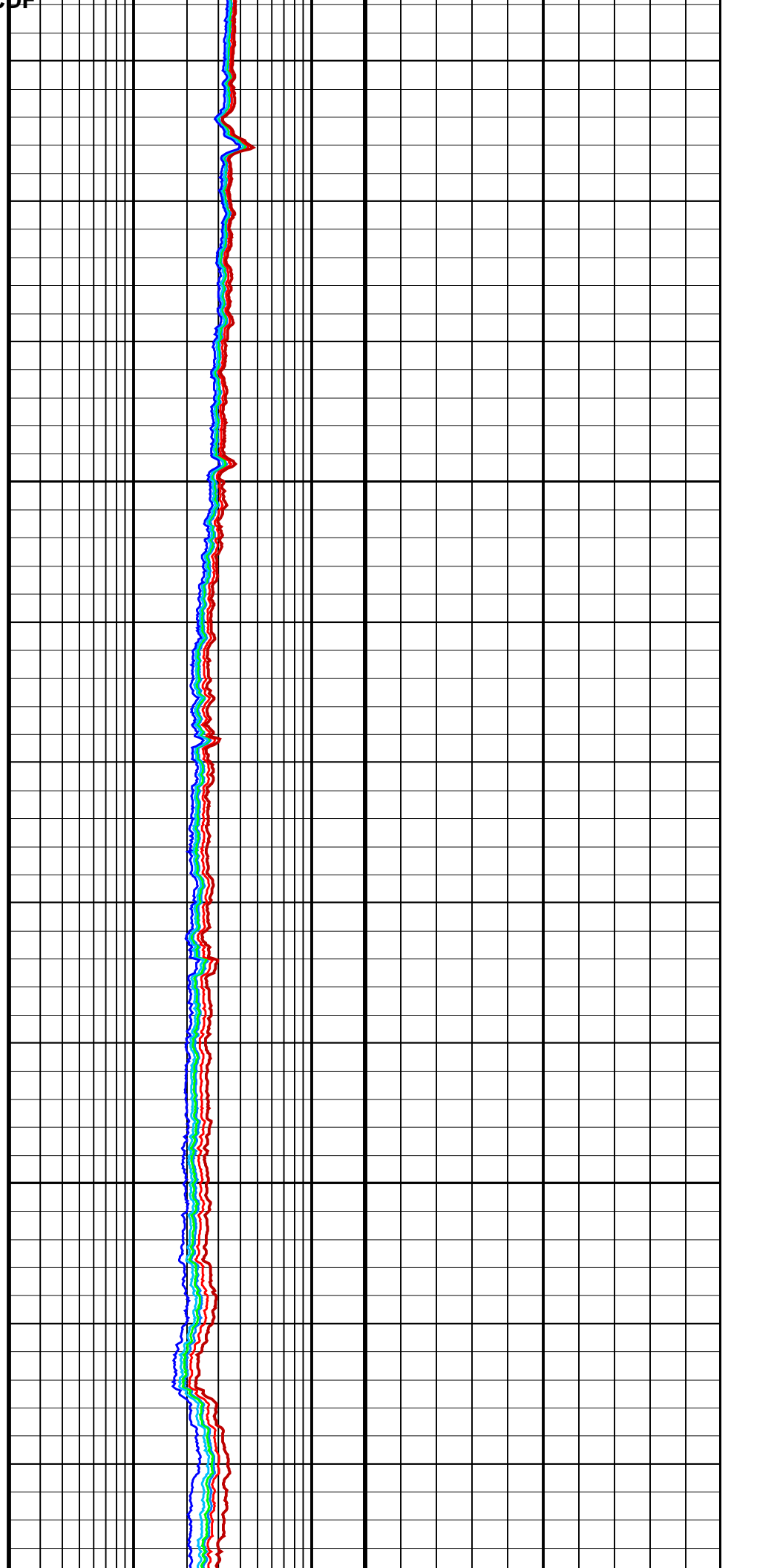
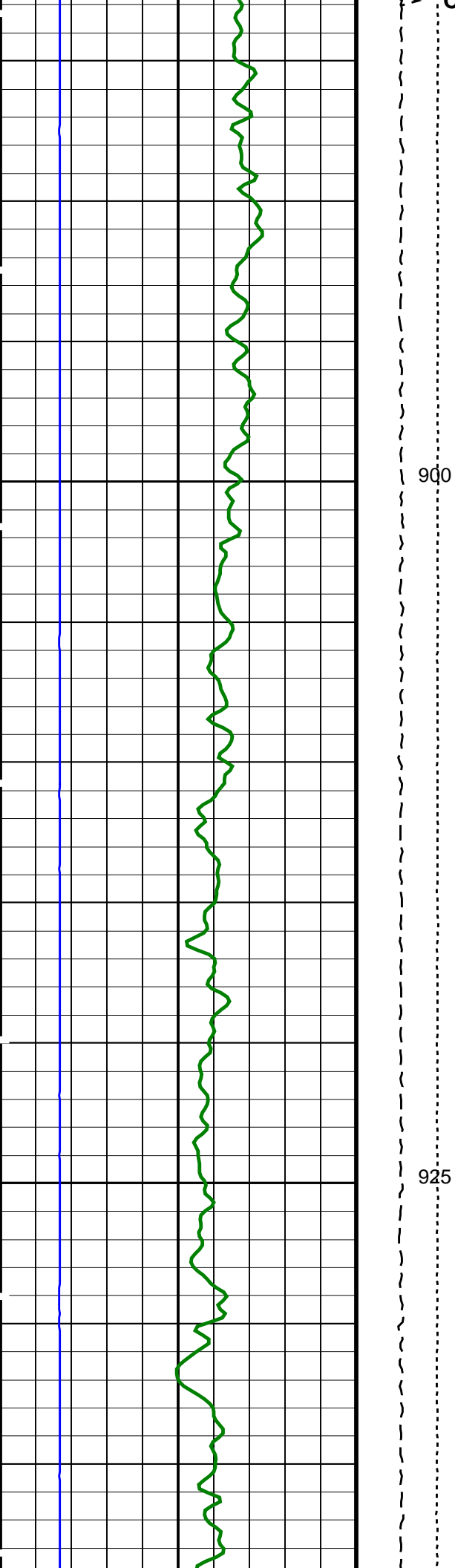


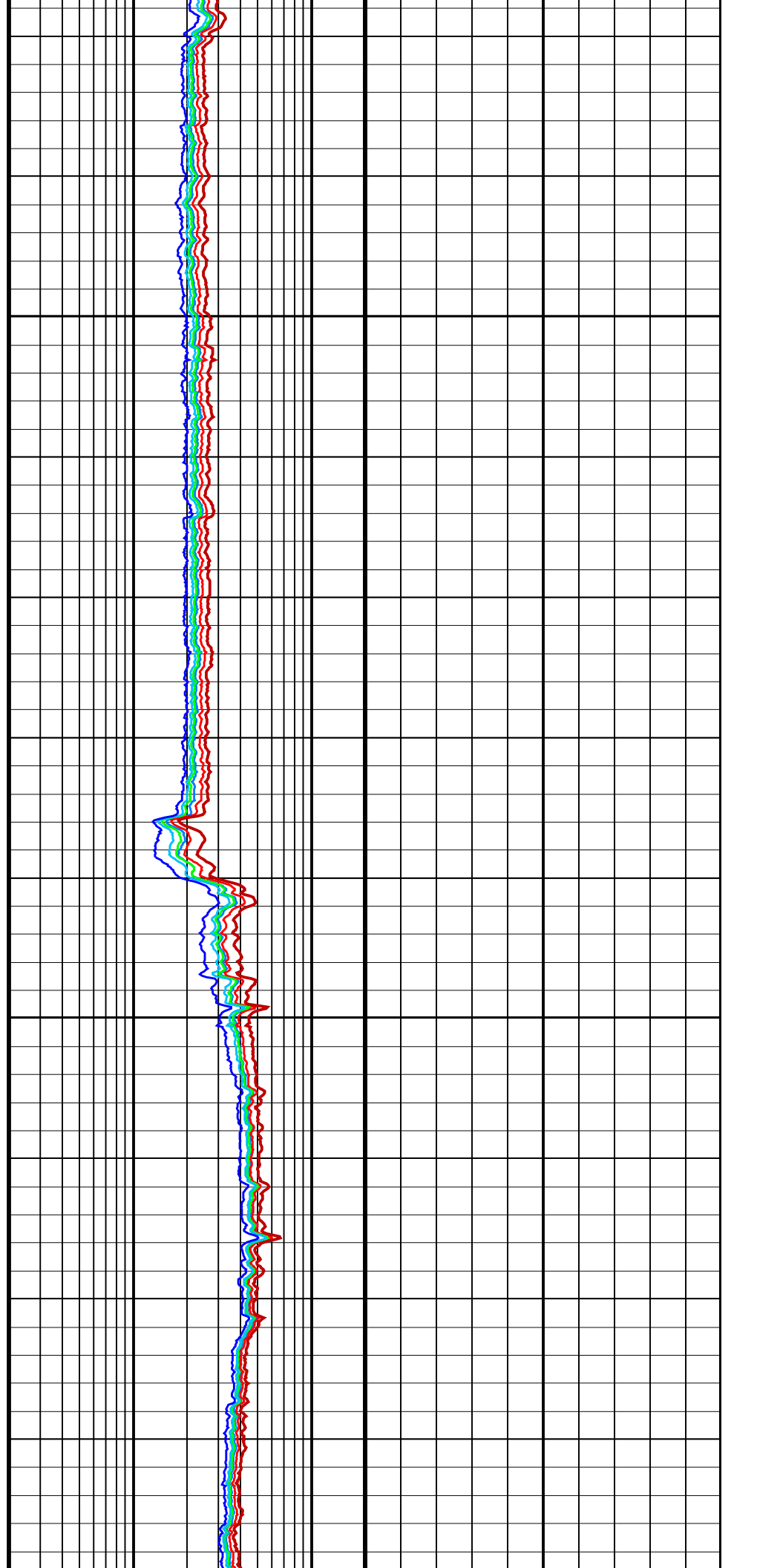
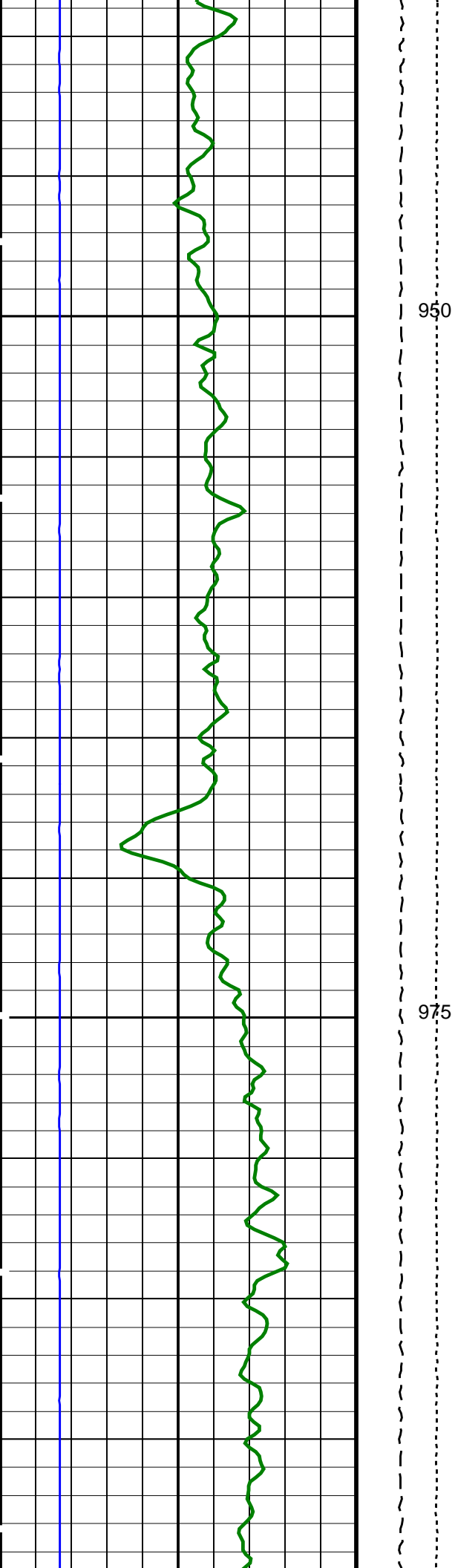


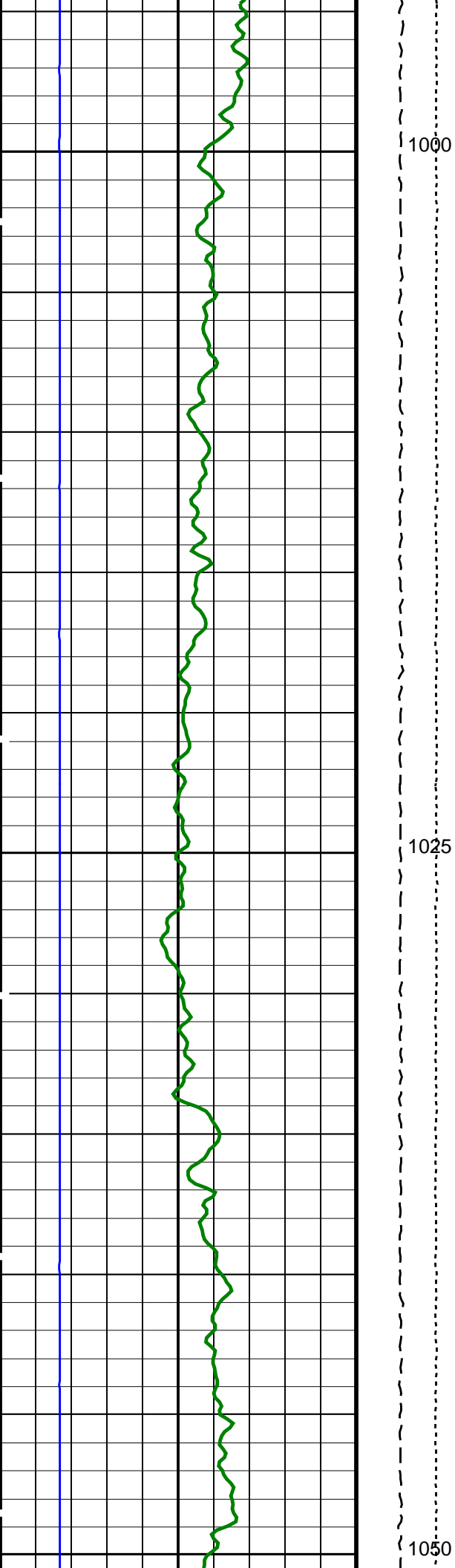


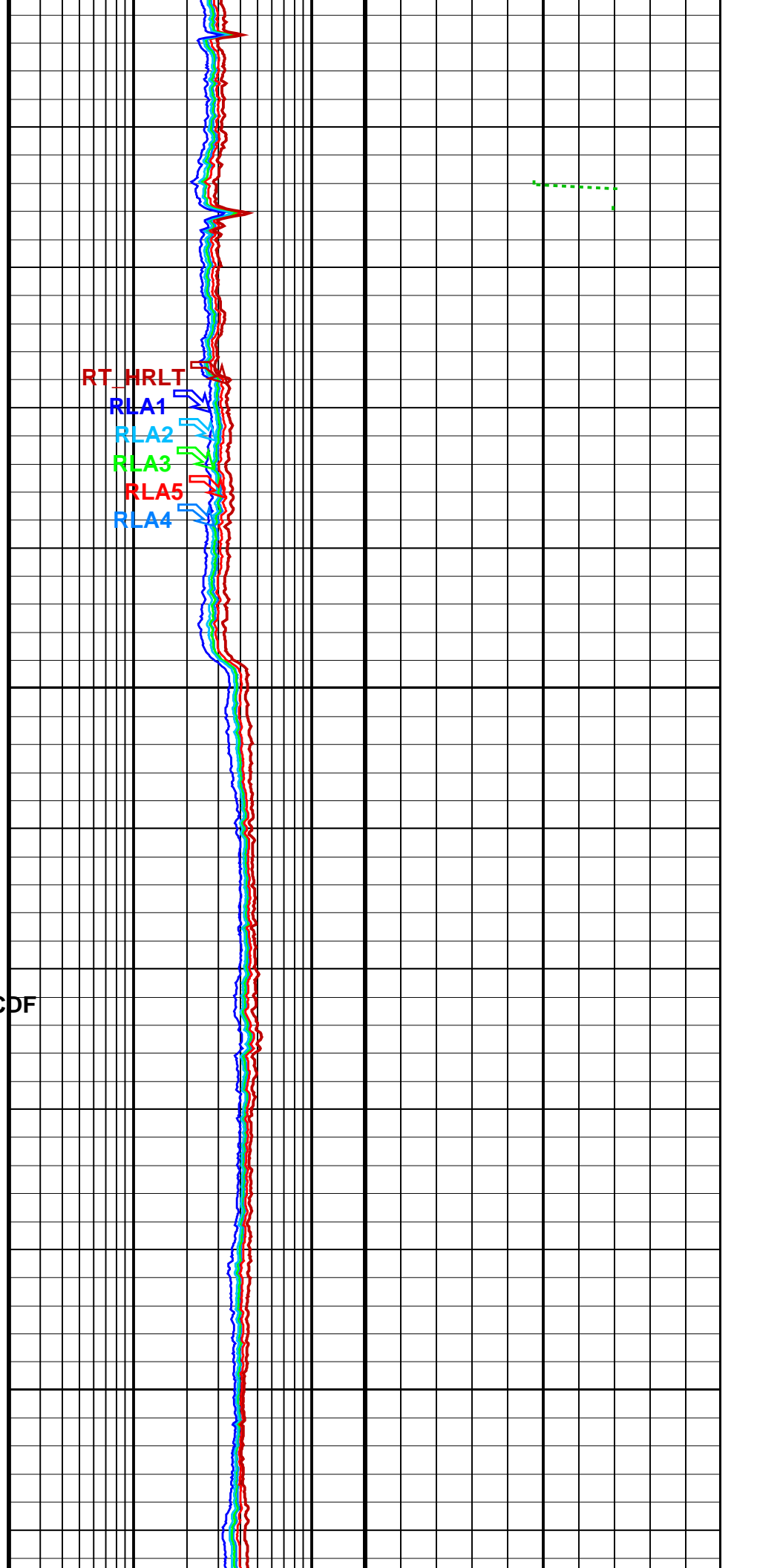
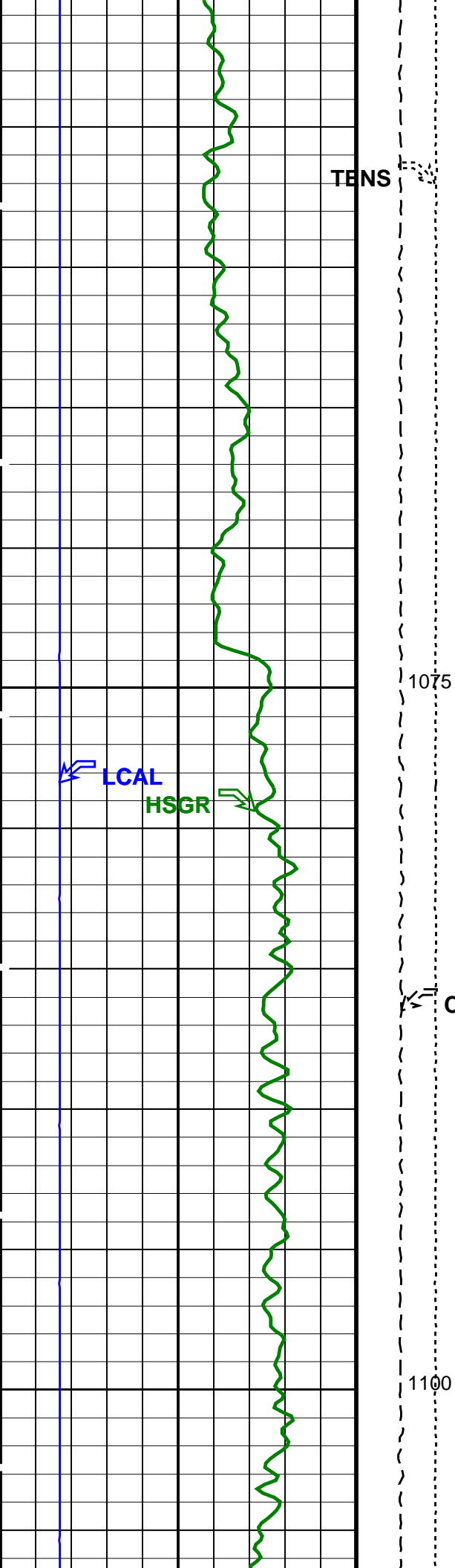


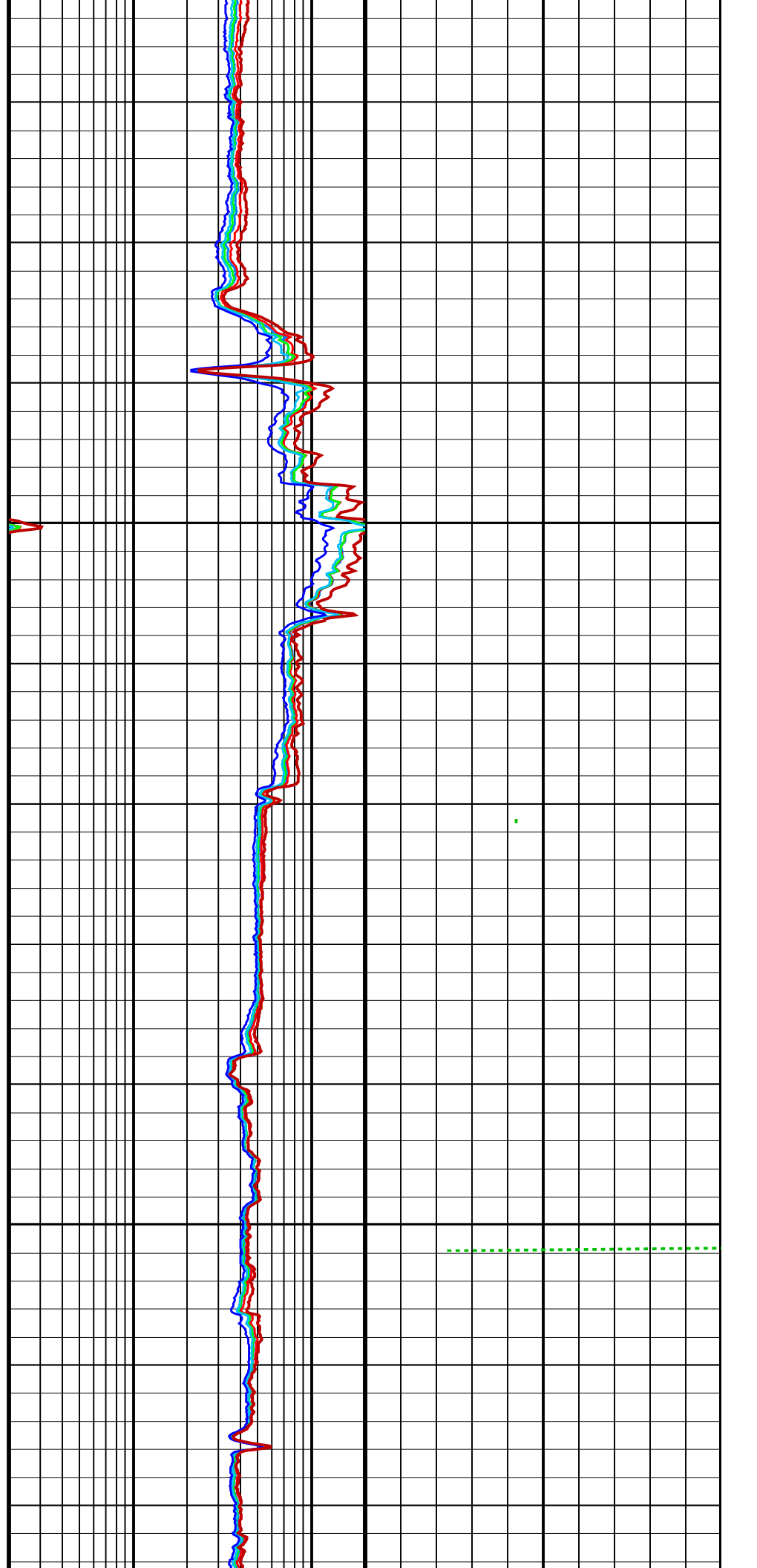
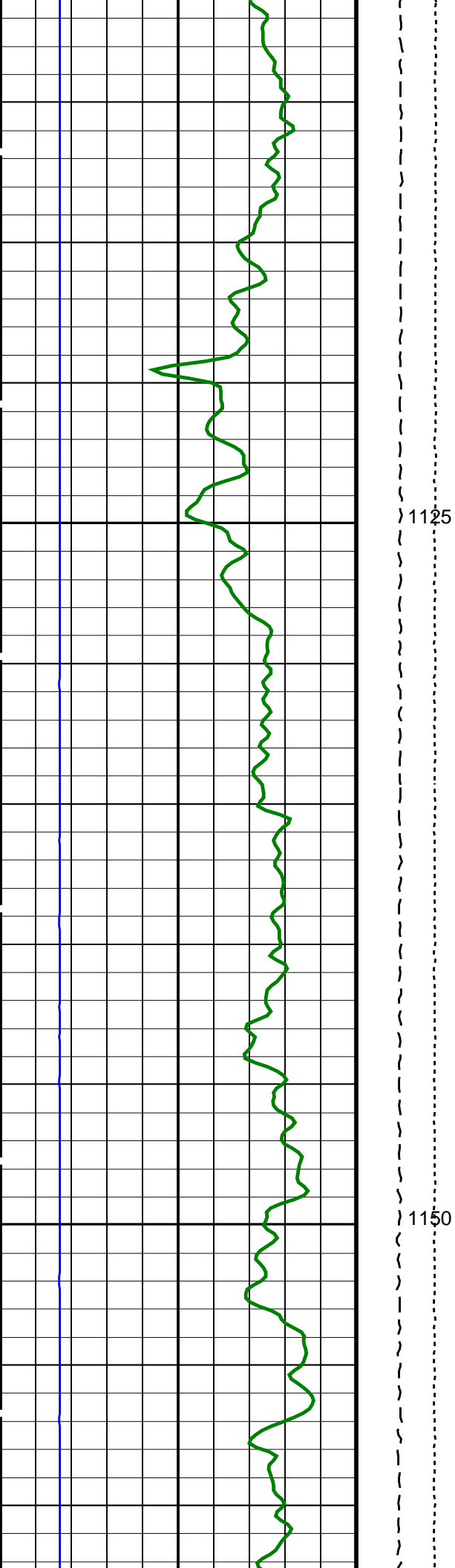


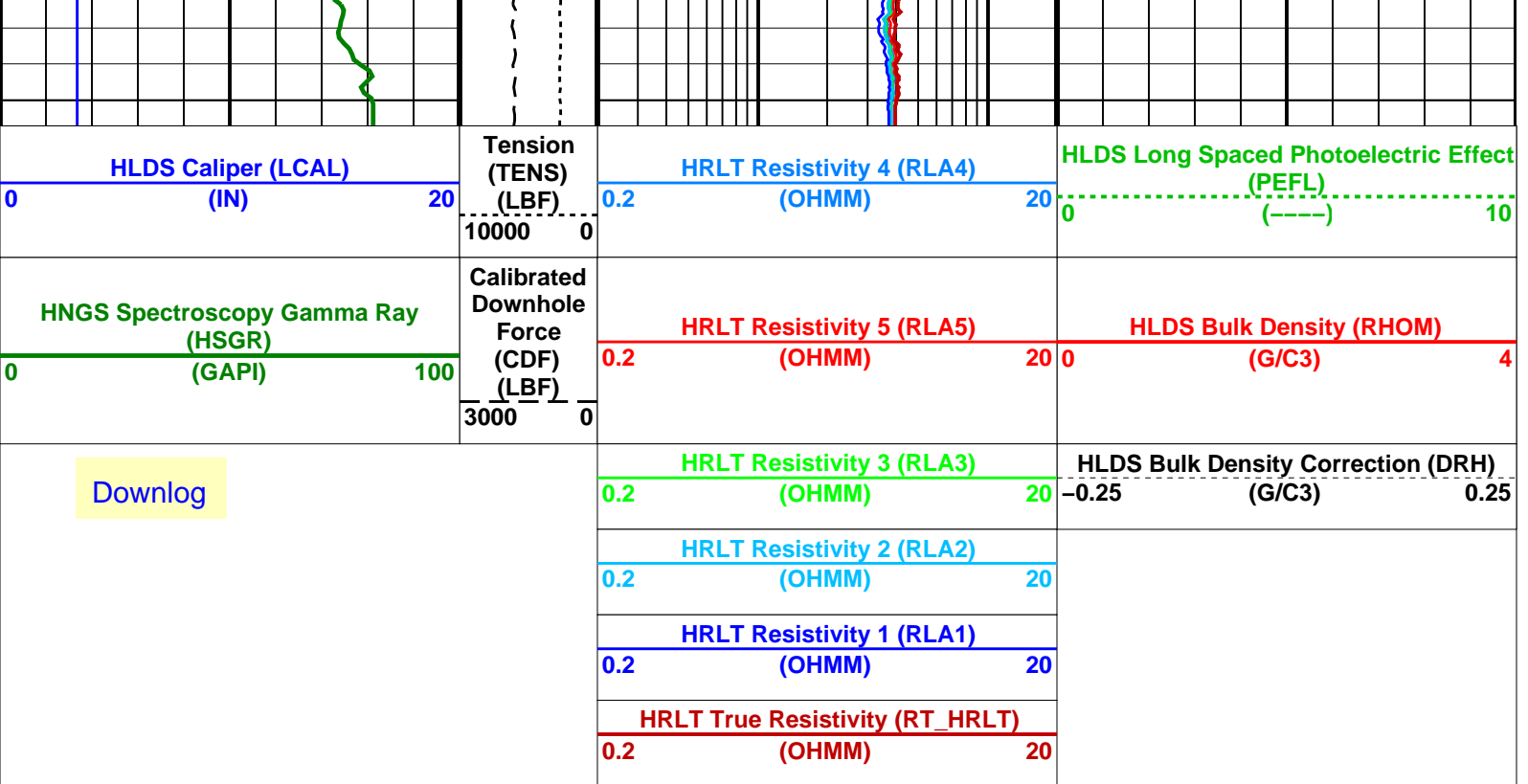












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
AGC1	Automatic Gain Control 1	ON
AGC2	Automatic Gain Control 2	ON
AGC3	Automatic Gain Control 3	ON
AGC4	Automatic Gain Control 4	ON
AGC5	Automatic Gain Control 5	ON
AGCX	Automatic Gain Control X	ON
BARS_MTR1	Length for Monopole Transmitter to Receiver 1	2.7432 M
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	212 DEGF
CASF	Label Casing Function - Monopole P&S	60
CDTS	C-Delta-T Shale	100 US/F
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	60 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	202 US/F
DDE1	Digitizing Delay 1	0 US
DDE2	Digitizing Delay 2	0 US
DDE3	Digitizing Delay 3	0 US
DDE4	Digitizing Delay 4	0 US
DDE5	Digitizing Delay 5	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DLHS	Label Hole Diameter Source for SOBS Channel	AUTO
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSI2	Digitizer Sample Interval 2	40 US
DSI3	Digitizer Sample Interval 3	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSI5	Digitizer Sample Interval 5	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCS Channel	PS_COMP
DTF	Delta-T Fluid	205 US/F
DTM	Delta-T Matrix	56 US/F
DTSS	Shear Delta-T Source for DTSM Channel	LOWER_DIPOLE
DWC1	Digitizer Word Count 1	512
DWC2	Digitizer Word Count 2	512
DWC3	Digitizer Word Count 3	512
DWC4	Digitizer Word Count 4	512
DWC5	Digitizer Word Count 5	512
DWCX	Digitizer Word Count X	512
FDE1	Firing Delay 1	0
FDE2	Firing Delay 2	0
FDE3	Firing Delay 3	0

FDE4	Firing Delay 4	0	
FDE5	Firing Delay 5	0	
FDEX	Firing Delay X	0	
FGM5	First Motion Gate Moveout 5	40	US/F
FGMX	First Motion Gate Moveout X	40	US/F
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
FMG5	First Motion Minimum Gate 5	500	US
FMGX	First Motion Minimum Gate X	500	US
FMLL	Slowness Lower Limit – FMD	40	US/F
FMRC	Restart Control – FMD	CONTINUE	
FMT5	First Motion Threshold 5	UP	
FMTX	First Motion Threshold X	NONE	
FMUL	Slowness Upper Limit – FMD	180	US/F
FNC5	First Motion Noise Counter Input 5	ALO	
FNCX	First Motion Noise Counter Input X	ALO	
FPM	Processing Mode – FMD	NONE	
FTD5	First Motion Threshold Direction 5	UP	
FTDX	First Motion Threshold Direction X	UP	
GAI1	Manual Gain 1	10	
GAI2	Manual Gain 2	10	
GAI3	Manual Gain 3	6	
GAI4	Manual Gain 4	16	
GAI5	Manual Gain 5	16	
GAIX	Manual Gain X	10	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GDT1	Gain Delta-T 1	800	US/F
GDT2	Gain Delta-T 2	800	US/F
GDT3	Gain Delta-T 3	800	US/F
GDT4	Gain Delta-T 4	160	US/F
GDT5	Gain Delta-T 5	160	US/F
GDTX	Gain Delta-T X	800	US/F
GGRD	Geothermal Gradient	0.01	DF/F
GIN1	Gain Interval 1	15360	US
GIN2	Gain Interval 2	15360	US
GIN3	Gain Interval 3	15360	US
GIN4	Gain Interval 4	2560	US
GIN5	Gain Interval 5	1600	US
GINX	Gain Interval X	15360	US
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HPF1	High Pass Filter 1	F80	
HPF2	High Pass Filter 2	F80	
HPF3	High Pass Filter 3	F80	
HPF4	High Pass Filter 4	F8K	
HPF5	High Pass Filter 5	F8K	
HPFX	High Pass Filter X	F80	
ISSBAR	Barite Mud Switch	BARITE	
ITTS	Integrated Transit Time Source	DTCO	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
LPF1	Low Pass Filter 1	F5K	
LPF2	Low Pass Filter 2	F5K	
LPF3	Low Pass Filter 3	F5K	
LPF4	Low Pass Filter 4	F30K	
LPF5	Low Pass Filter 5	F30K	
LPFX	Low Pass Filter X	F5K	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MAI5	Slowness Averaging Interval – FMD	42	IN
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCS	Mean Casing Slowness	57	US/F
MDS5	Multishot Delta-T Scatter – FMD	20	US
MTXG	Monopole Transmitter Geometry	186	IN
MUX1	Sum Difference Multiplexor Input 1	RR	
MUX2	Sum Difference Multiplexor Input 2	RR	
MUX3	Sum Difference Multiplexor Input 3	RR	
MUX4	Sum Difference Multiplexor Input 4	RR	
MUX5	Sum Difference Multiplexor Input 5	RR	
MUXX	Sum Difference Multiplexor Input X	RR	
NTI5	Number Threshold Items 5	0	
NTIX	Number Threshold Items X	0	
NWI1	Number Waveform Items 1	8	
NWI2	Number Waveform Items 2	8	
NWI3	Number Waveform Items 3	0	
NWI4	Number Waveform Items 4	8	
NWI5	Number Waveform Items 5	0	
NWIX	Number Waveform Items X	0	
NWS1	Number Waveforms Stacked 1	1	
NWS2	Number Waveforms Stacked 2	1	
NWS3	Number Waveforms Stacked 3	1	
NWS4	Number Waveforms Stacked 4	1	
NWS5	Number Waveforms Stacked 5	1	
NWSX	Number Waveforms Stacked X	1	
RATE	Firing Rate	R7	
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4	
PSMY	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12	

RSMX	Label Shear/Compressional Maximum Ratio - P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAM3	DSST Sonic Acquisition Mode 3 - Monopole Mode for Stoneley	OFF	
SAM4	DSST Sonic Acquisition Mode 4 - Monopole Mode for P&S	EVEN	
SAM5	DSST Sonic Acquisition Mode 5 - Monopole Mode for FMD	OFF	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SAS3	STC Sonic Array Status - Monopole Stoneley	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SAS5	Sonic Array Status - FMD	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBO3	STC Search Band Offset - Monopole Stoneley	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SBW3	STC Search Bandwidth - Monopole Stoneley	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFC3	STC Formation Character - Monopole Stoneley	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SFM2	STC Filter - Upper Dipole	B1-2K	
SFM3	STC Filter - Monopole Stoneley	B.5-1.5K	
SFM4	STC Filter - Monopole P&S	B3-20K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	239	US/F
SHT	Surface Hole Temperature	55	DEGF
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F
LLL1	STC Slowness Lower Limit - Lower Dipole	40	US/F
LLL2	STC Slowness Lower Limit - Upper Dipole	40	US/F
LLL3	STC Slowness Lower Limit - Monopole Stoneley	180	US/F
LLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPSO	Sonic Porosity Source	DTCO	
SST1	STC Slowness Step - Lower Dipole	4	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SST3	STC Slowness Step - Monopole Stoneley	4	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SSW3	STC Source Waveform - Monopole Stoneley	WF_SAM3	
SSW4	STC Source Waveform - Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit - Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL1	STC Slowness Upper Limit - Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit - Upper Dipole	1040	US/F
SUL3	STC Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
SWD3	STC Slowness Width - Monopole Stoneley	40	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBDB	Tool String Bottom to DSST Bottom	249.908	IN
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TBF3	STC Time for Baseline Fill - Monopole Stoneley	0	US
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TLL3	STC Time Lower Limit - Monopole Stoneley	600	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST1	STC Time Step - Lower Dipole	200	US
TST2	STC Time Step - Upper Dipole	200	US
TST3	STC Time Step - Monopole Stoneley	200	US
TST4	STC Time Step - Monopole P&S	50	US
TTDB	Tool String Top to DSST Bottom	1656.11	IN
TUL1	STC Time Upper Limit - Lower Dipole	18960	US
TUL2	STC Time Upper Limit - Upper Dipole	18440	US
TUL3	STC Time Upper Limit - Monopole Stoneley	12000	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWA1	Transmitter Waveform Amplitude 1	179	
TWA2	Transmitter Waveform Amplitude 2	179	

TWA3	Transmitter Waveform Amplitude 3	166	
TWA4	Transmitter Waveform Amplitude 4	150	
TWA5	Transmitter Waveform Amplitude 5	150	
TWAX	Transmitter Waveform Amplitude X	179	
TWD1	STC Time Width – Lower Dipole	2000	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWI3	STC Integration Time Window – Monopole Stoneley	2400	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWR1	Transmitter Waveform Sample Rate 1	20	US
TWR2	Transmitter Waveform Sample Rate 2	5	US
TWR3	Transmitter Waveform Sample Rate 3	5	US
TWR4	Transmitter Waveform Sample Rate 4	5	US
TWR5	Transmitter Waveform Sample Rate 5	5	US
TWRX	Transmitter Waveform Sample Rate X	5	US
TWS1	Transmitter Waveform Select 1	2	
TWS2	Transmitter Waveform Select 2	0	
TWS3	Transmitter Waveform Select 3	4	
TWS4	Transmitter Waveform Select 4	6	
TWS5	Transmitter Waveform Select 5	6	
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFDTSP1	SAM1 Waveform Delta for Spectrum	0	US/F
WFDTSP2	SAM2 Waveform Delta for Spectrum	0	US/F
WFDTSP3	SAM3 Waveform Delta for Spectrum	0	US/F
WFDTSP4	SAM4 Waveform Delta for Spectrum	0	US/F
WFDTSPX	SAMX Waveform Delta for Spectrum	0	US/F
WFLSP1	SAM1 Waveform Lower Limit for Spectrum	0	US
WFLSP2	SAM2 Waveform Lower Limit for Spectrum	0	US
WFLSP3	SAM3 Waveform Lower Limit for Spectrum	0	US
WFLSP4	SAM4 Waveform Lower Limit for Spectrum	0	US
WFLSPX	SAMX Waveform Lower Limit for Spectrum	0	US
WFM1	Waveform Mode 1	W1	
WFM2	Waveform Mode 2	W1	
WFM3	Waveform Mode 3	W1	
WFM4	Waveform Mode 4	W1	
WFM5	Waveform Mode 5	W1	
WFMX	Waveform Mode X	W1	
WFULSP1	SAM1 Waveform Upper Limit for Spectrum	20000	US
WFULSP2	SAM2 Waveform Upper Limit for Spectrum	20000	US
WFULSP3	SAM3 Waveform Upper Limit for Spectrum	20000	US
WFULSP4	SAM4 Waveform Upper Limit for Spectrum	5000	US
WFULSPX	SAMX Waveform Upper Limit for Spectrum	20000	US
XMT1	Transmitter Select 1	DLO	
XMT2	Transmitter Select 2	DUP	
XMT3	Transmitter Select 3	MONO	
XMT4	Transmitter Select 4	MONO	
XMT5	Transmitter Select 5	MONO	
XMTX	Transmitter Select X	DUP	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
CALSTAT	HRLTB Calibration Status	SHALLOW_DONE	
CALTEMP	HRLTB Calibration Temperature	2.87911	DEGC
FREQ0	HRLT Frequency Index for Mode 0	32	
FREQ1	HRLT Frequency Index for Mode 1	128	
FREQ2	HRLT Frequency Index for Mode 2	104	
FREQ3	HRLT Frequency Index for Mode 3	86	
FREQ4	HRLT Frequency Index for Mode 4	56	
FREQ5	HRLT Frequency Index for Mode 5	44	
FREQ6	HRLT Frequency Index for Mode 6	116	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	BARITE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
LOOPCOEF_S	HRLT Loop Coefficient for Shallow Modes	LOW	
LOOPMOD0	HRLT Mode 0 Loop Mode	AUTO	
LOOPMOD1	HRLT Mode 1 Loop Mode	AUTO	
LOOPMOD2	HRLT Mode 2 Loop Mode	AUTO	
LOOPMOD3	HRLT Mode 3 Loop Mode	AUTO	
LOOPMOD4	HRLT Mode 4 Loop Mode	AUTO	
LOOPMOD5	HRLT Mode 5 Loop Mode	AUTO	
LOOPMOD6	HRLT Mode 6 Loop Mode	AUTO	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PROCINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCM50	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	

SHT	Surface Hole Temperature	55	DEGF
HLDS: Hostile Litho-Density Sonde			
CLCL	HLDS LS Control Loop Controller Mode	AUTO_DEFAULT	
CLCS	HLDS SS Control Loop Controller Mode	AUTO_DEFAULT	
CLLS	HLDS Mode Loop Long Spacing	AUTO	
CLSS	HLDS Mode Loop Short Spacing	AUTO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1	G/C3
LATC	HLDS Activation Correction	OFF	
LLDL	HLDS LS Low Level Discriminator DAC	14000	
LLDS	HLDS SS Low Level Discriminator DAC	14000	
LLML	HLDS LS Low Level Discriminator Mode	AUTO	
LLMS	HLDS SS Low Level Discriminator Mode	AUTO	
MDEN	Matrix Density	2.6	G/C3
PHVL	HLDS Long Spacing High Voltage Setting	1000	V
PHVS	HLDS Short Spacing High Voltage Setting	1000	V
PSDL	HLDS LS Pulse Shape Compensation DAC	30000	
PSDS	HLDS SS Pulse Shape Compensation DAC	30000	
PSML	HLDS LS Pulse Shape Compensation Mode	AUTO	
PSMS	HLDS SS Pulse Shape Compensation Mode	AUTO	
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	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
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	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00319633	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
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	
SHT	Surface Hole Temperature	55	DEGF
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	BS	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	YES	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	55	DEGF
SOCN	Standoff Distance	0.5	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Eccentered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	
System and Miscellaneous			
ALDTPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
PS	Pressure	0.075	IN

BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	OFF	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	4166	FT
TDD	Total Depth - Driller	1270.30	M
TDL	Total Depth - Logger	1270.11	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: TripleCombo Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 21:06

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_038PUP	PRODUCER	28-Jan-2018 21:05	1165.7 M	512.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_039PUP	FN:55	PRODUCER	28-Jan-2018 21:06
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Input DLIS Files

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Output DLIS Files

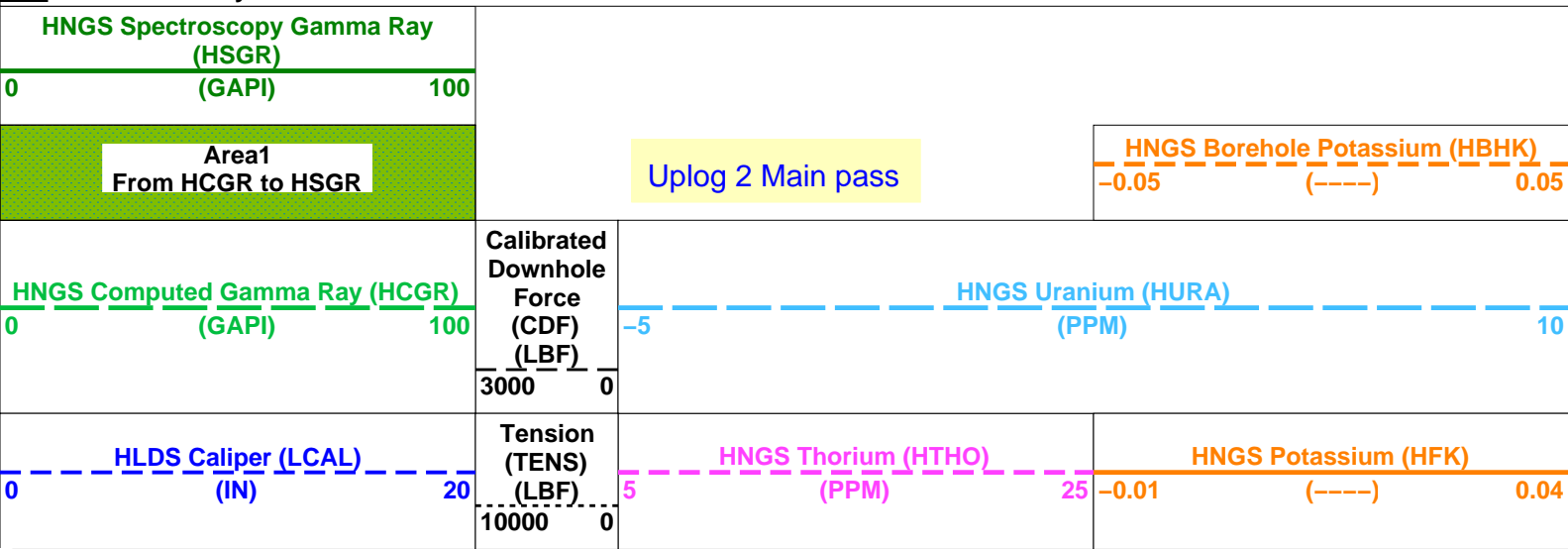
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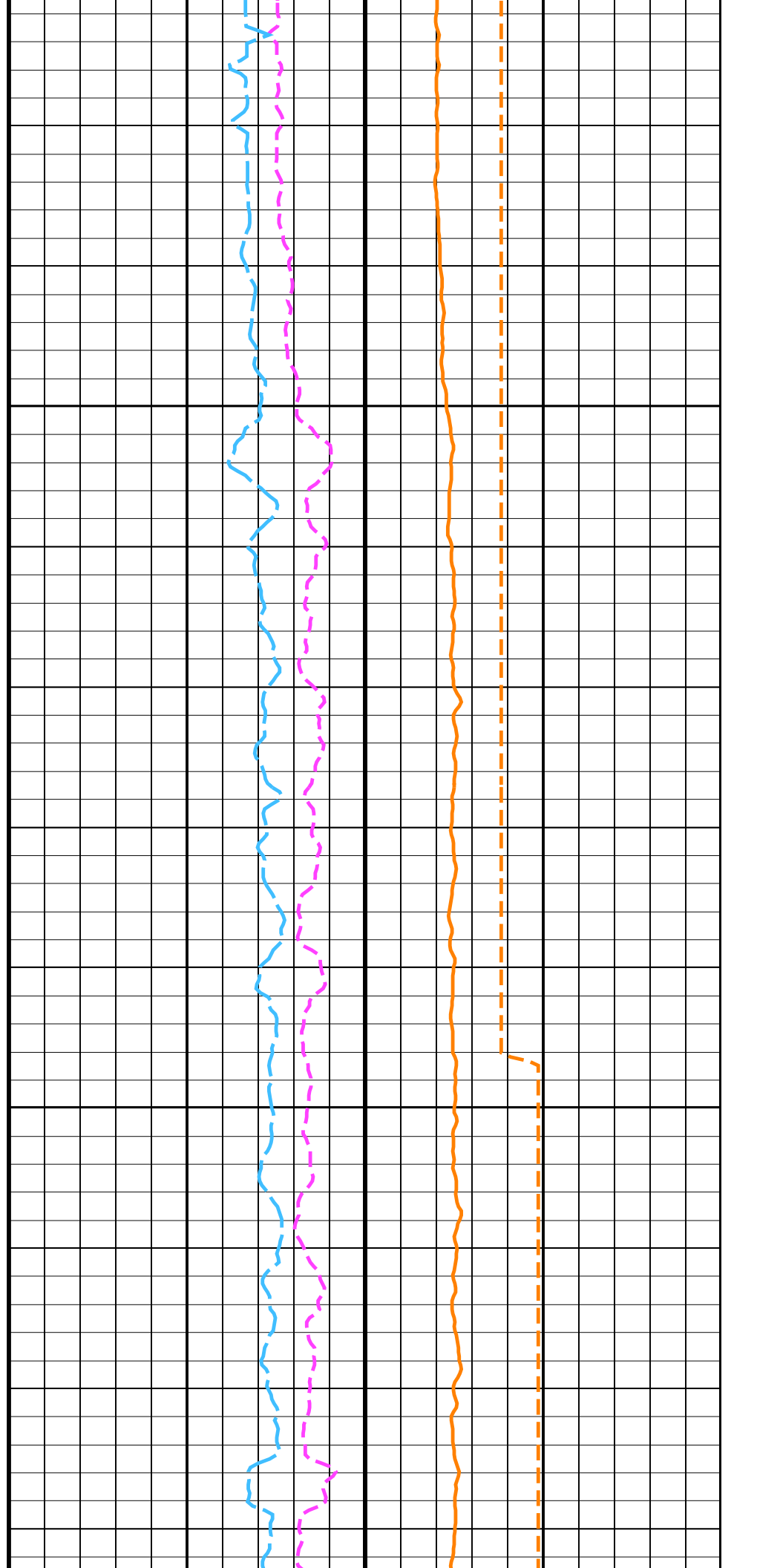
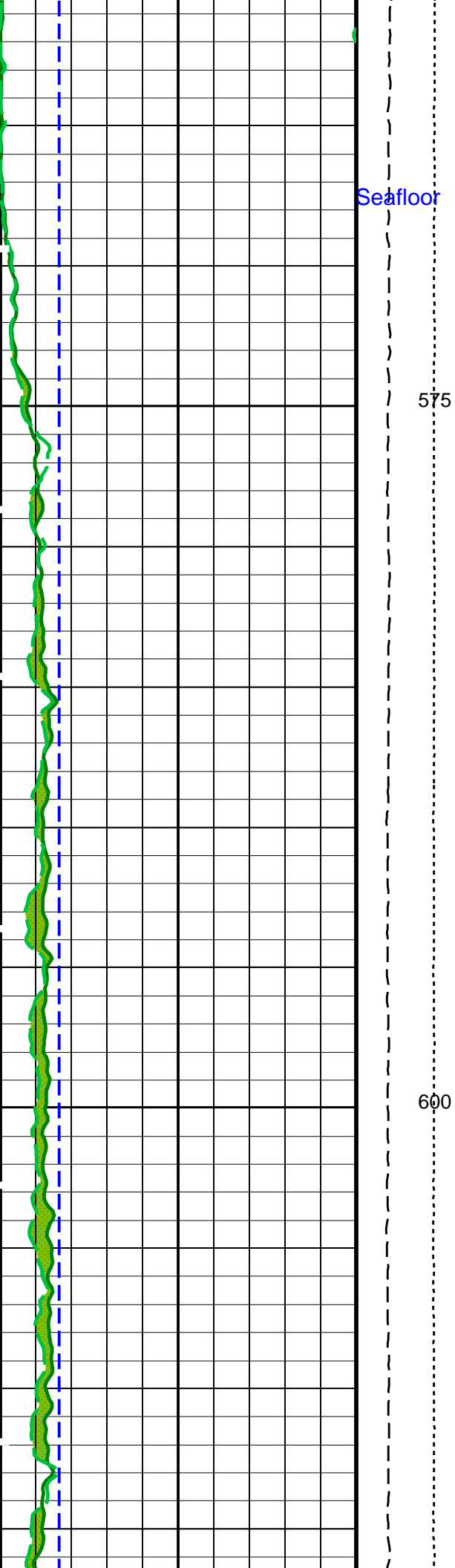
OP System Version: 19C0-187

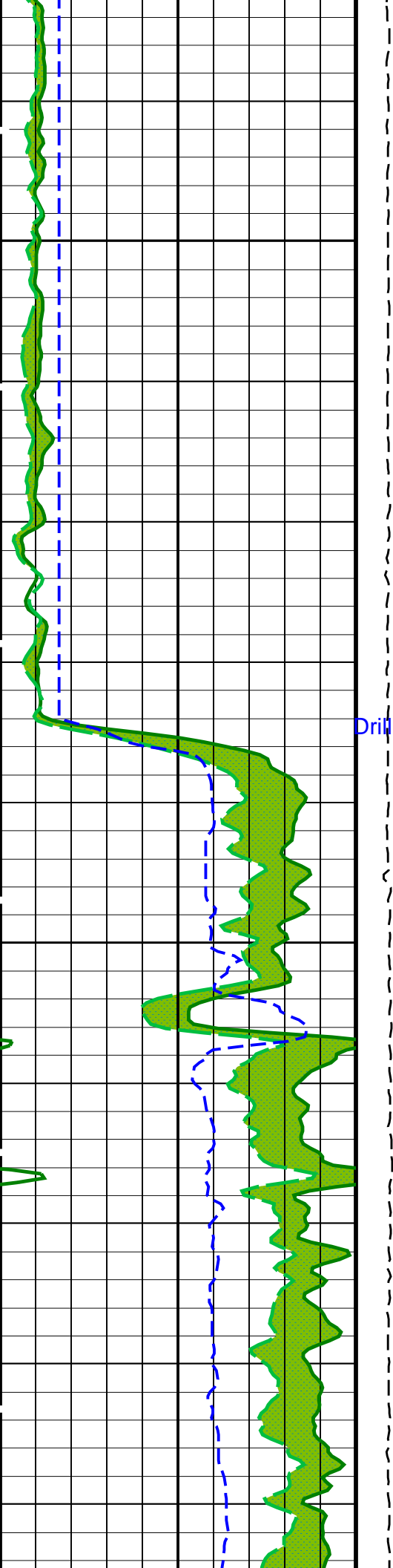
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HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

Time Mark Every 60 S



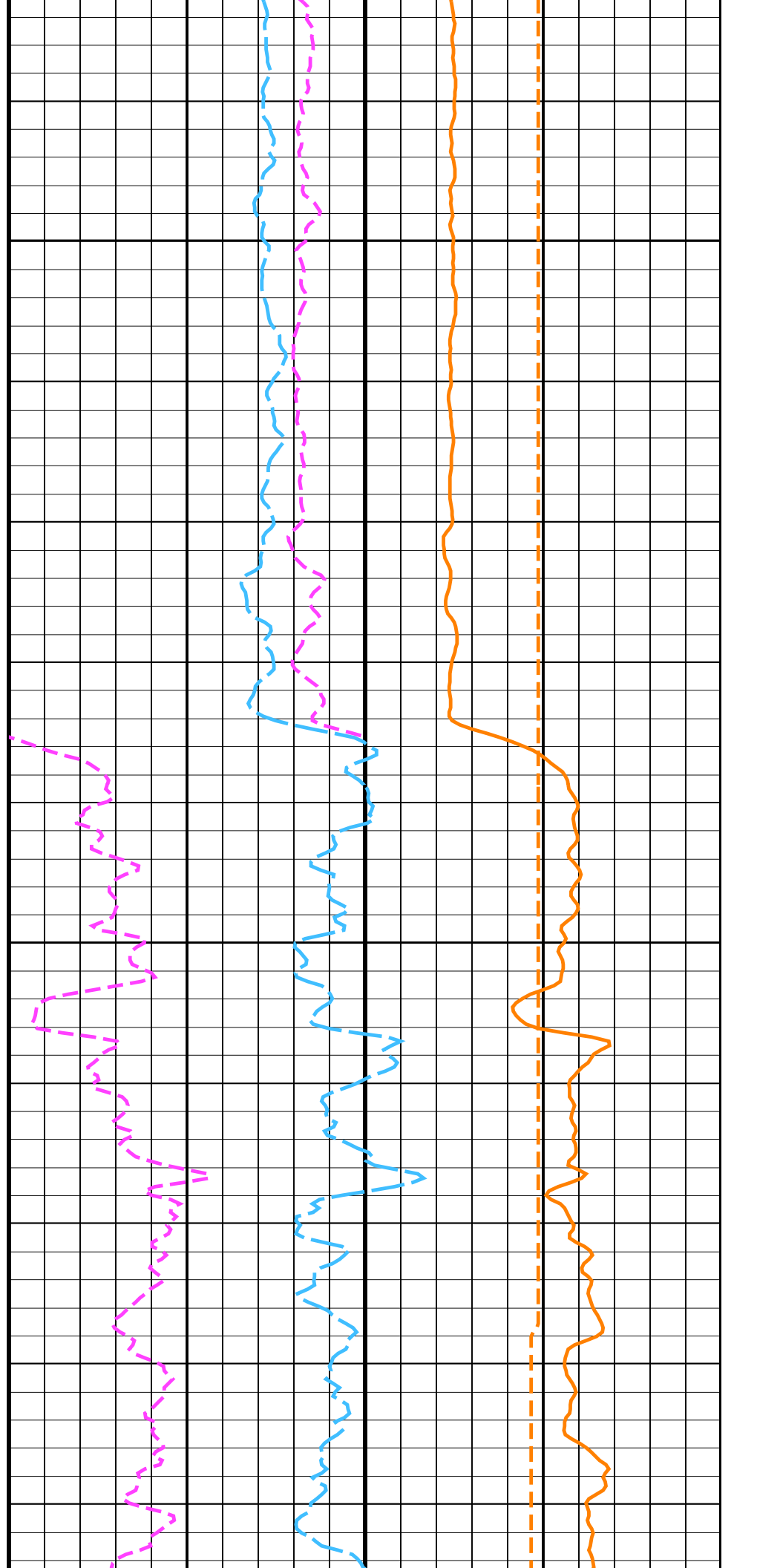


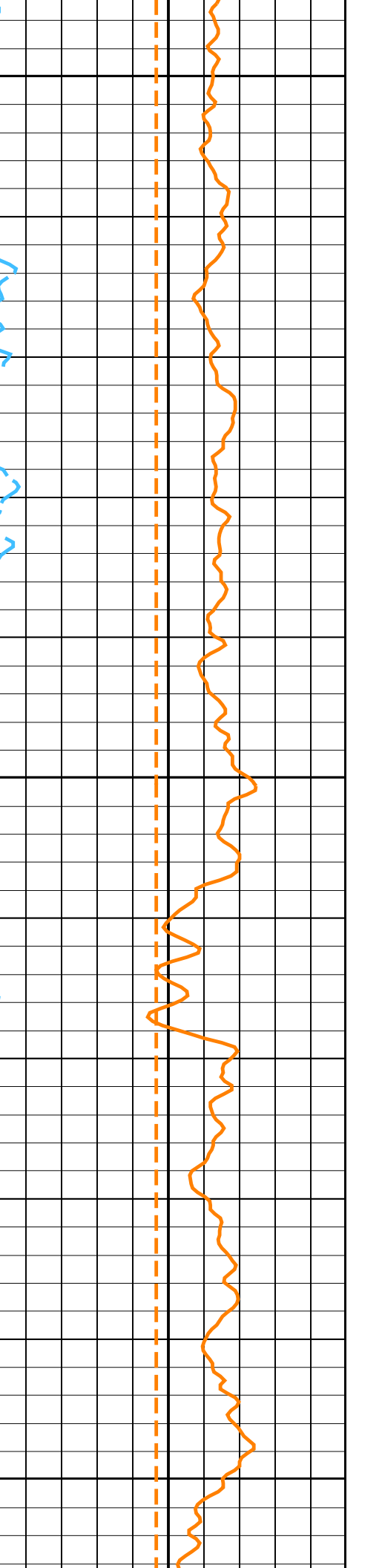
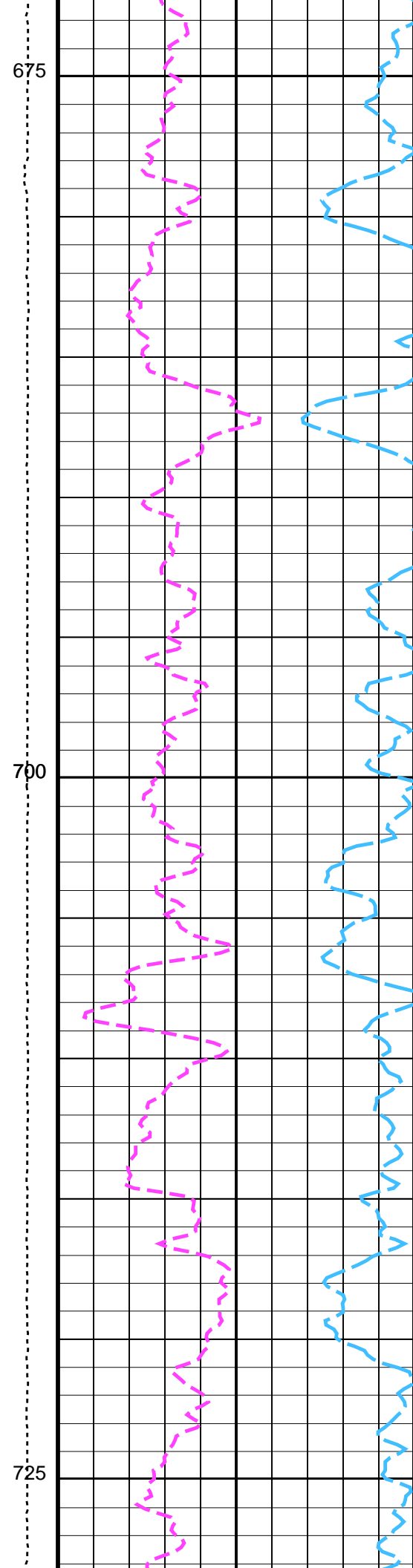
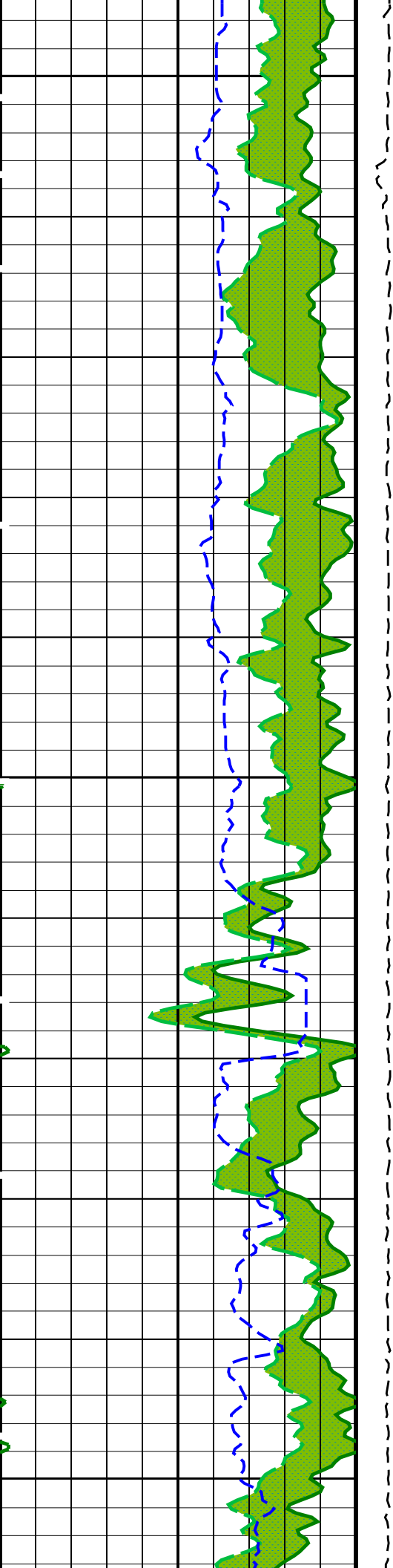


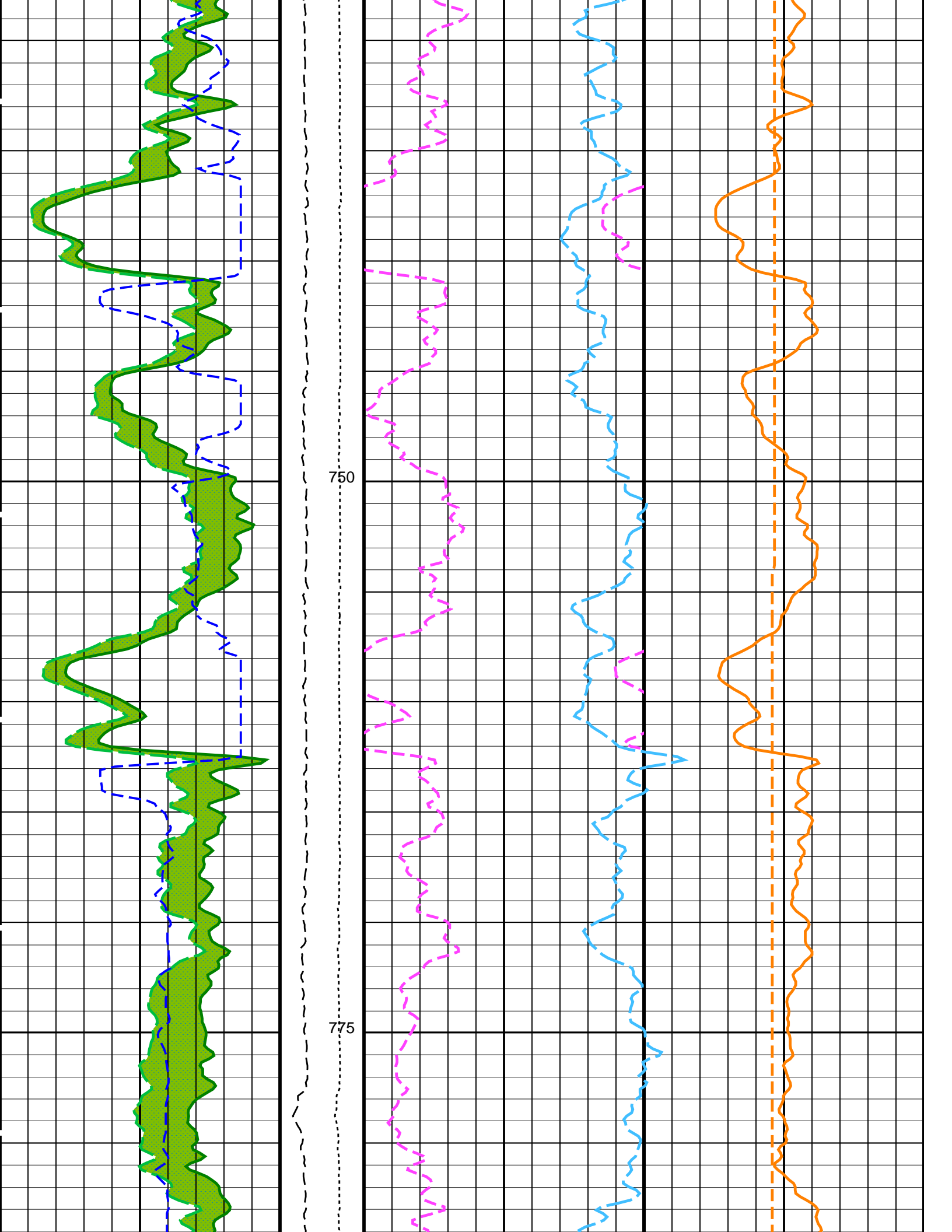
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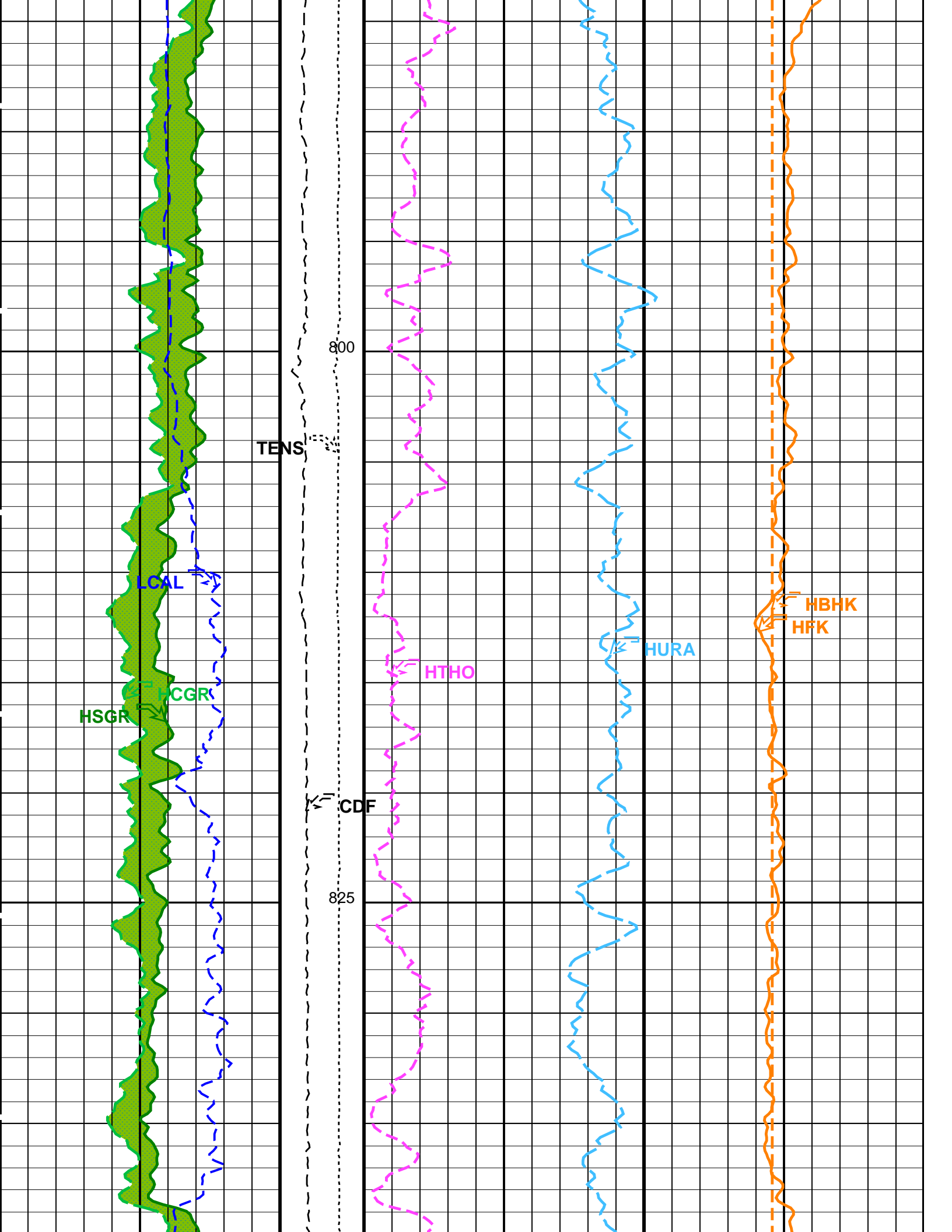
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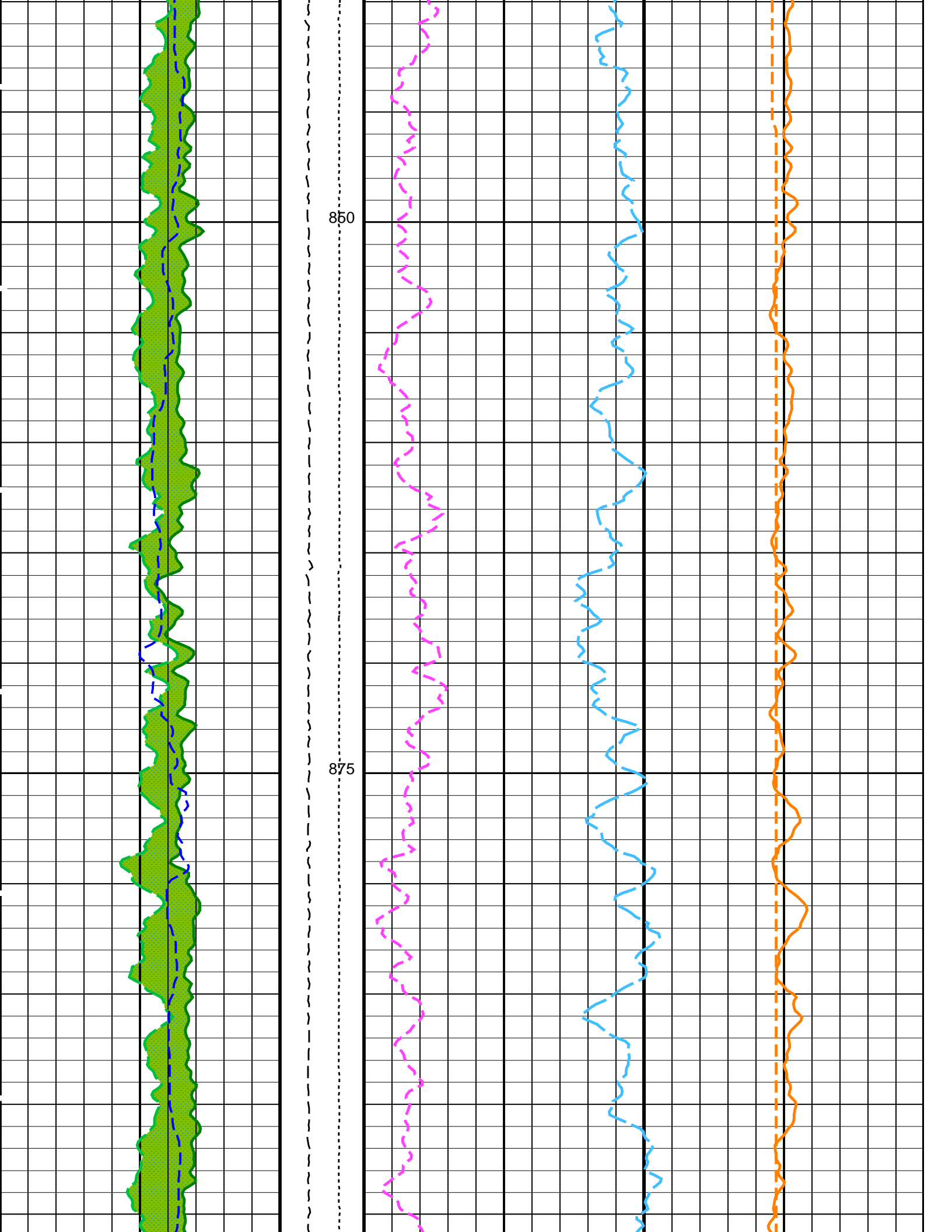
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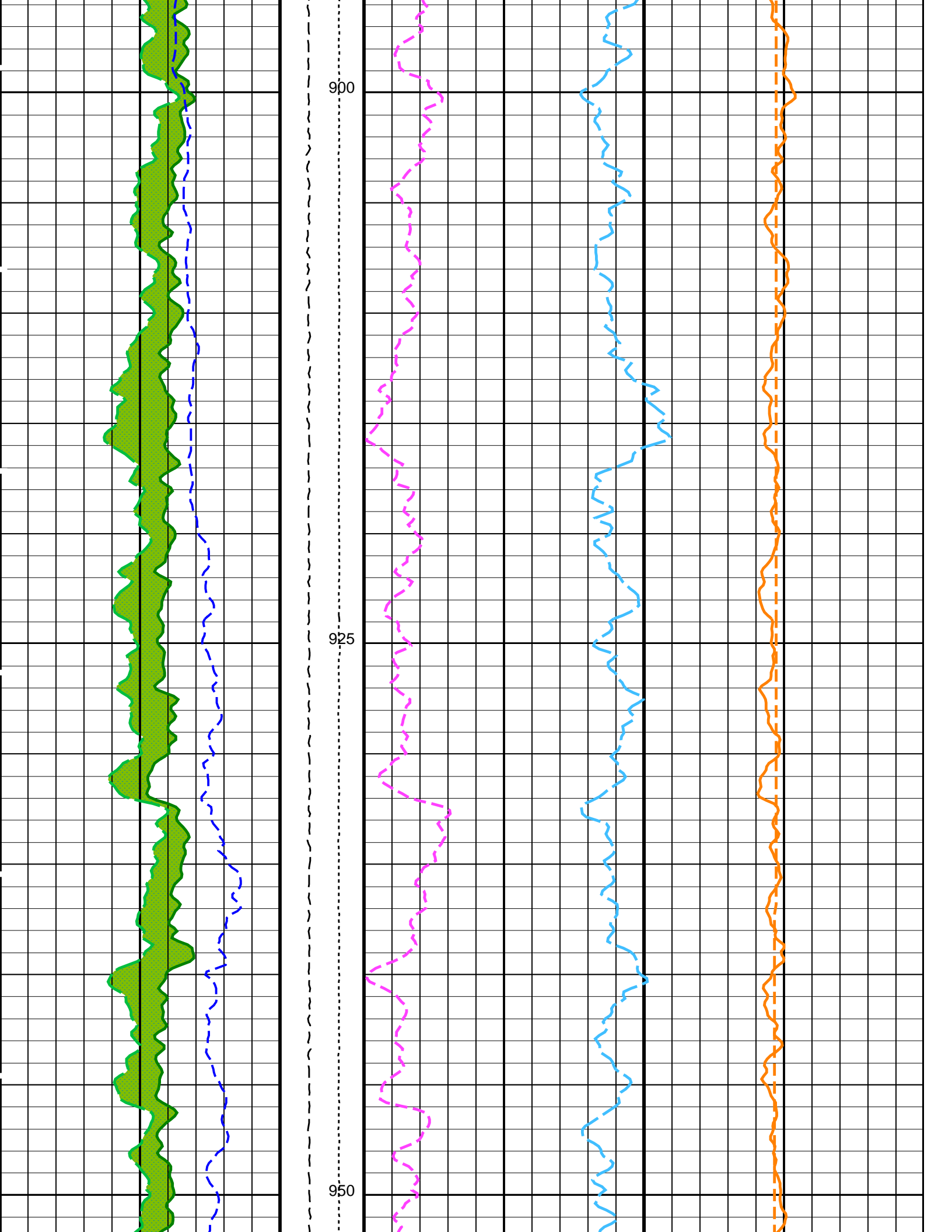


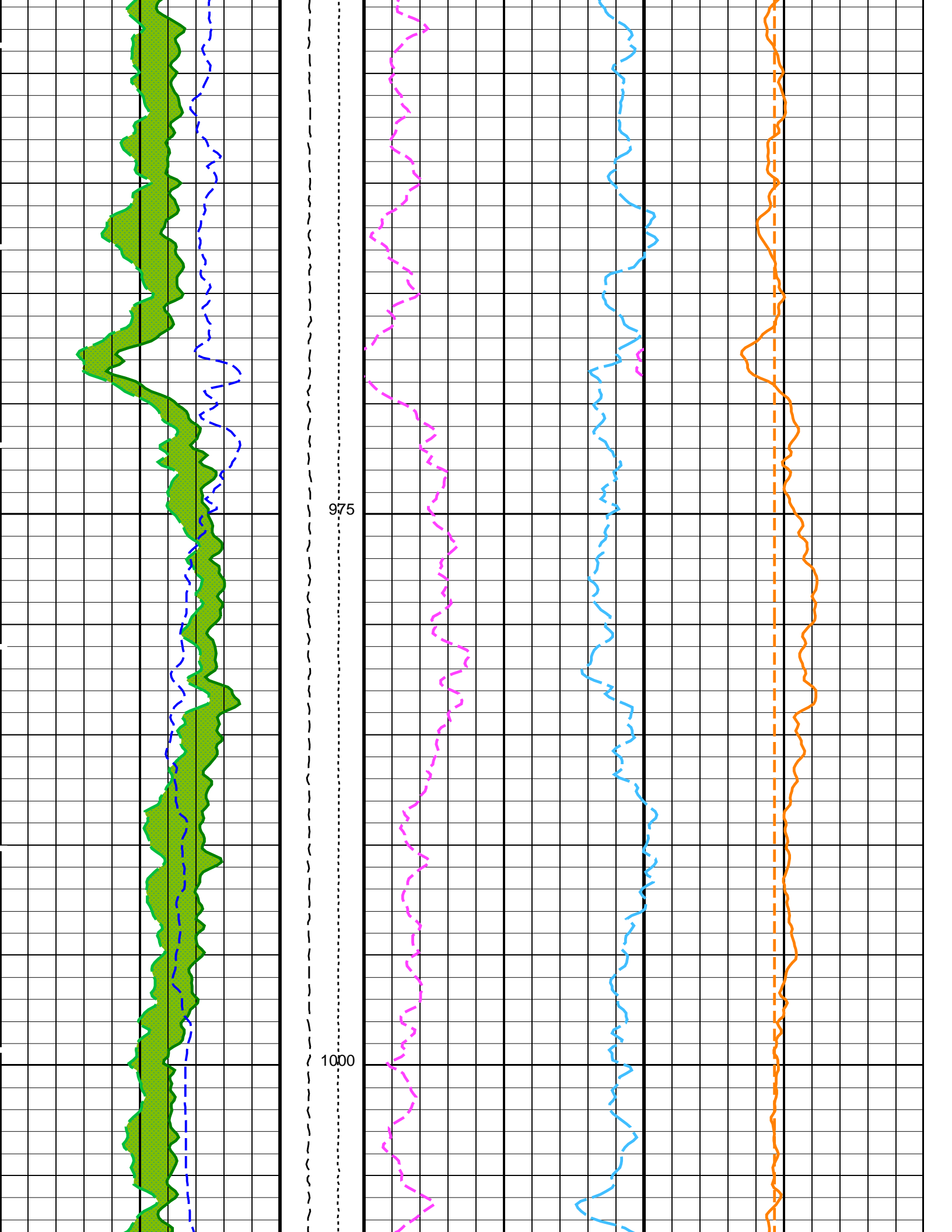


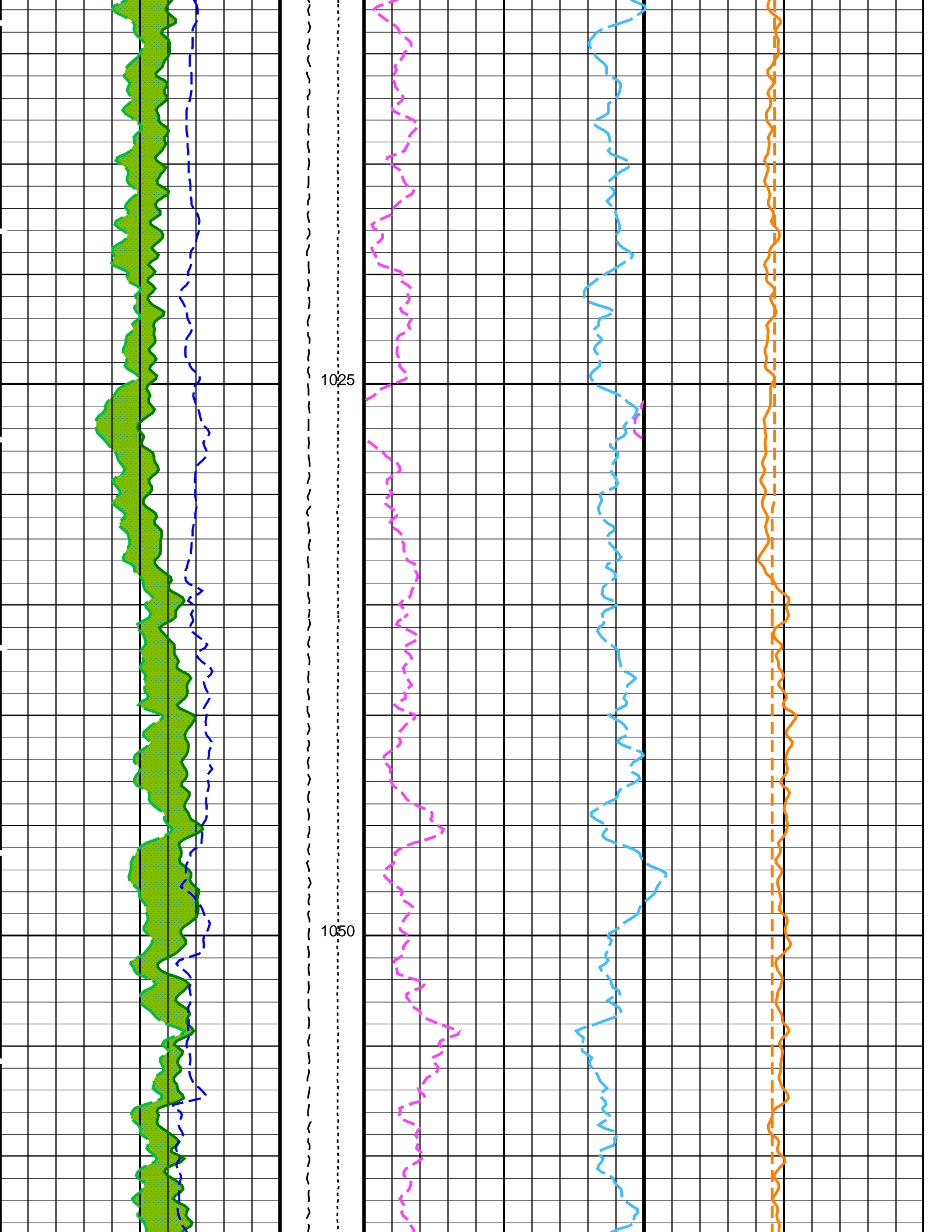


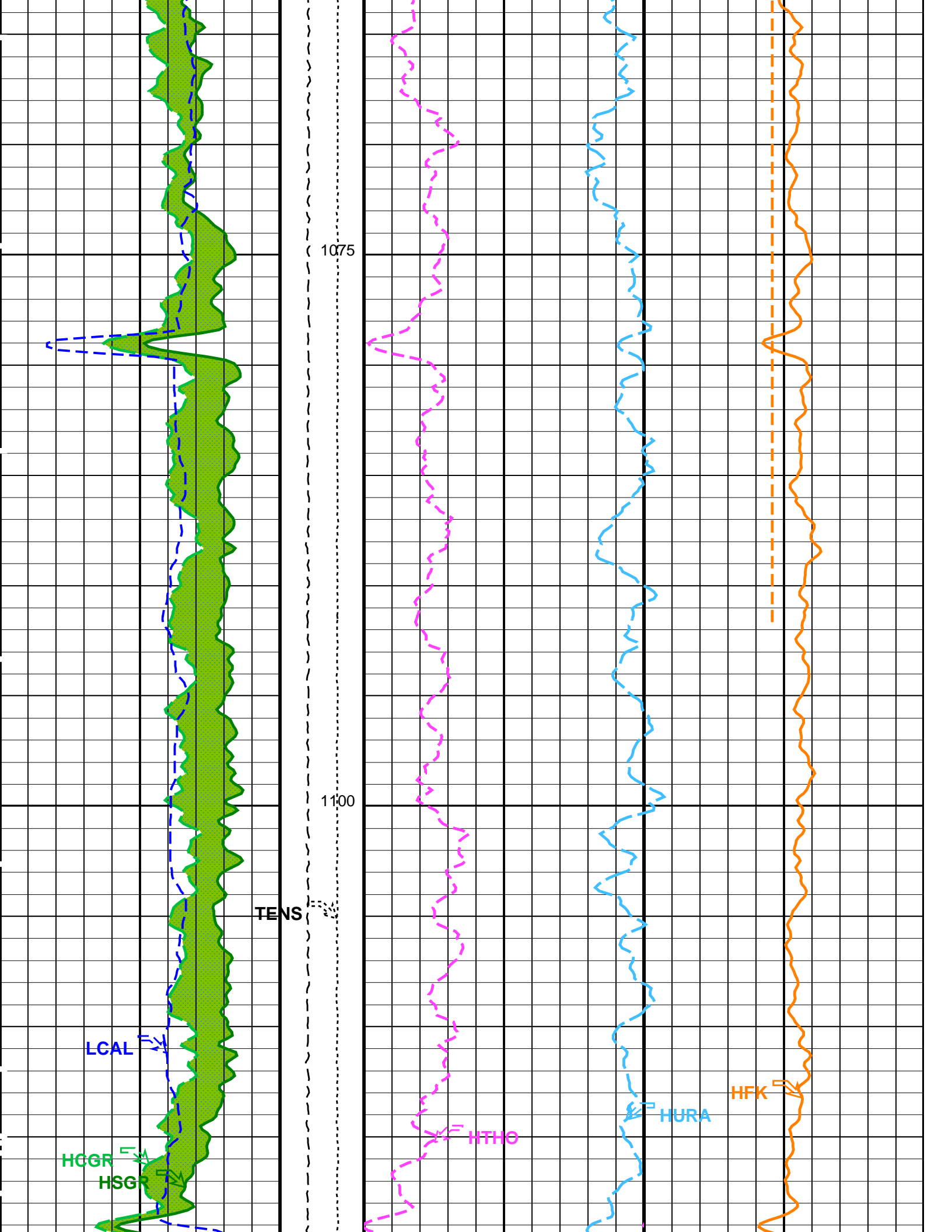


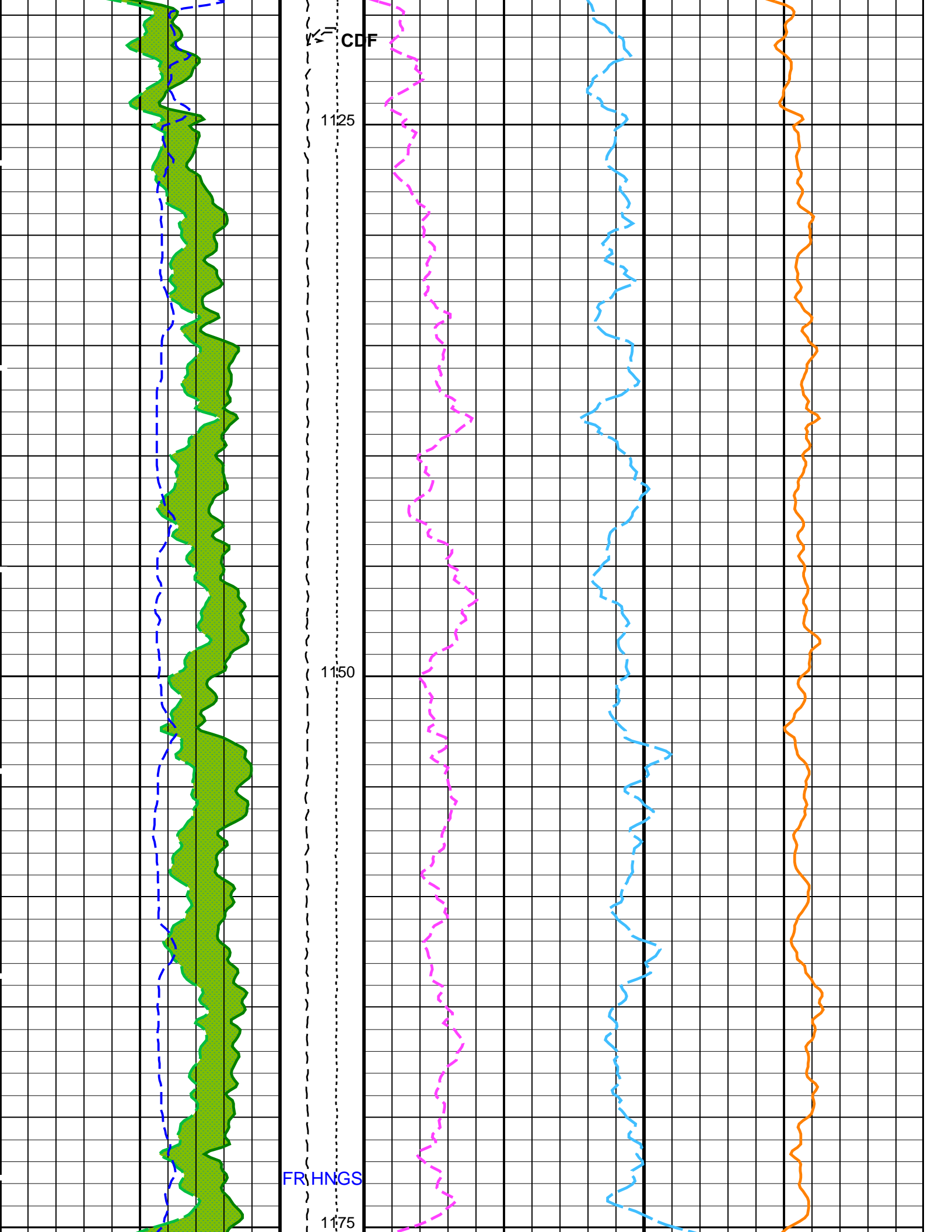


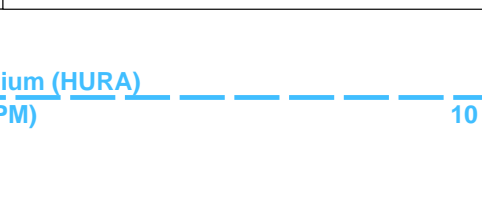
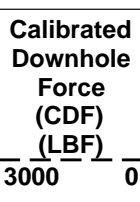
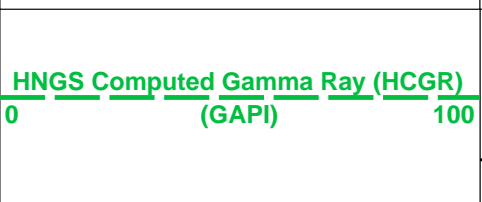
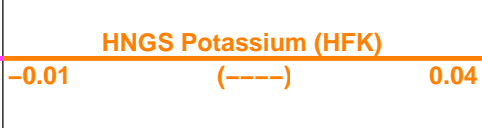
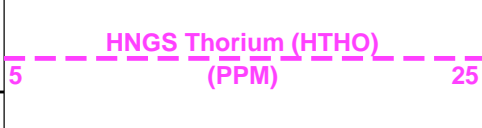
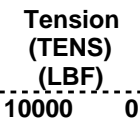
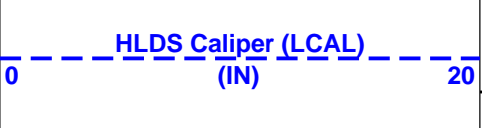
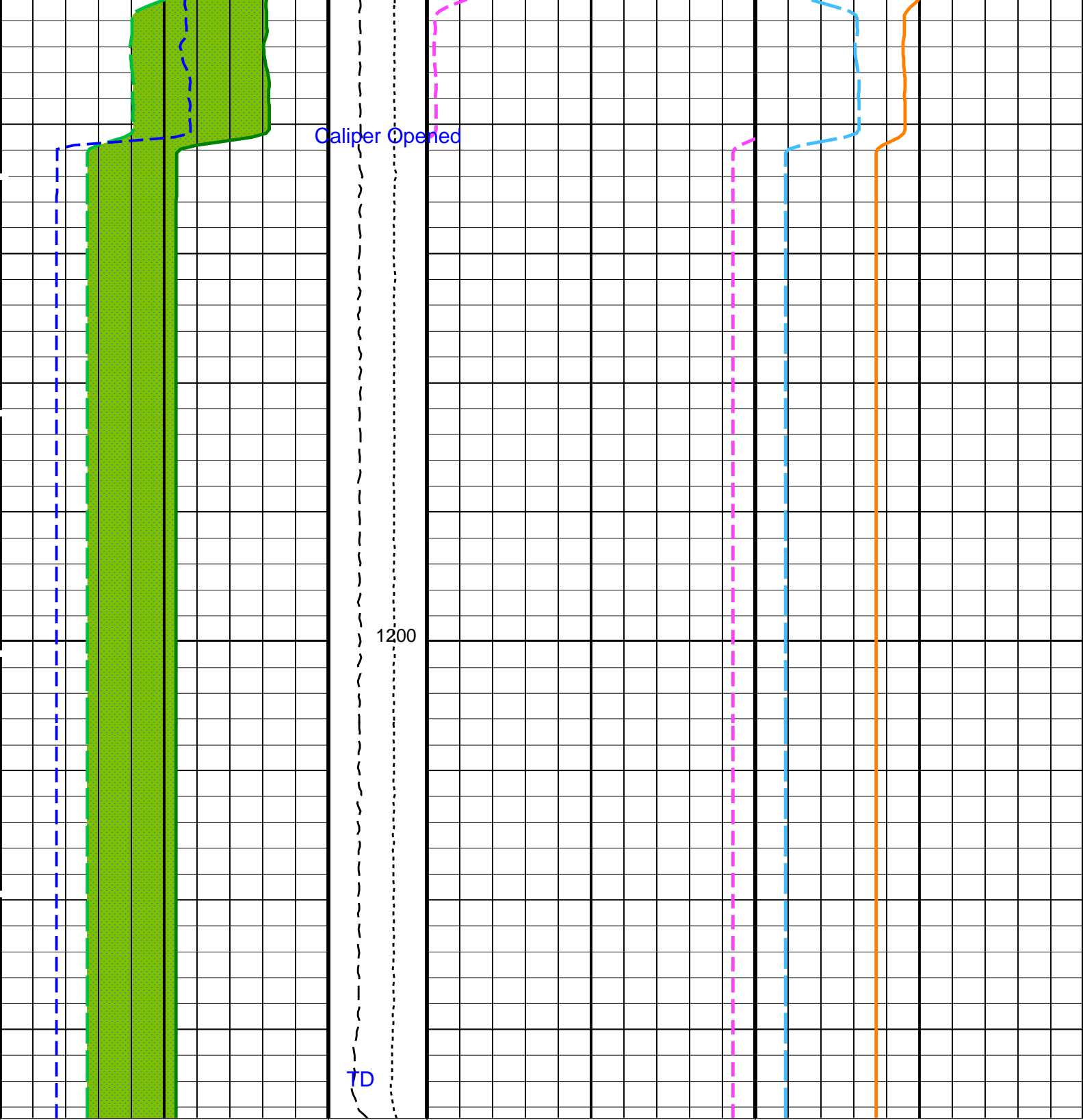






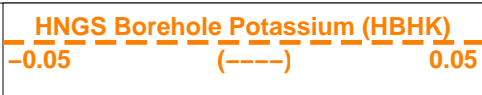






Area1
From HCGR to HSGR

Uplog 2 Main pass



HNGS Spectroscopy Gamma Ray (HSGR)

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	HRLT-B: High Resolution Laterolog Array - B		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00381071	
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	0.967407	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.975765	
	EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 22:03

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_042PUP	FN:58	PRODUCER	28-Jan-2018 22:03		
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Company: International Ocean Discovery Program

Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_042PUP	FN:58	PRODUCER	28-Jan-2018 22:03	1218.4 M	560.2 M
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OP System Version: 19C0-187

MSS_LDEO-A 19C0-187
 HRLT-B 19C0-187
 LDSC-B 19C0-187
 HNGS-BA 19C0-187

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

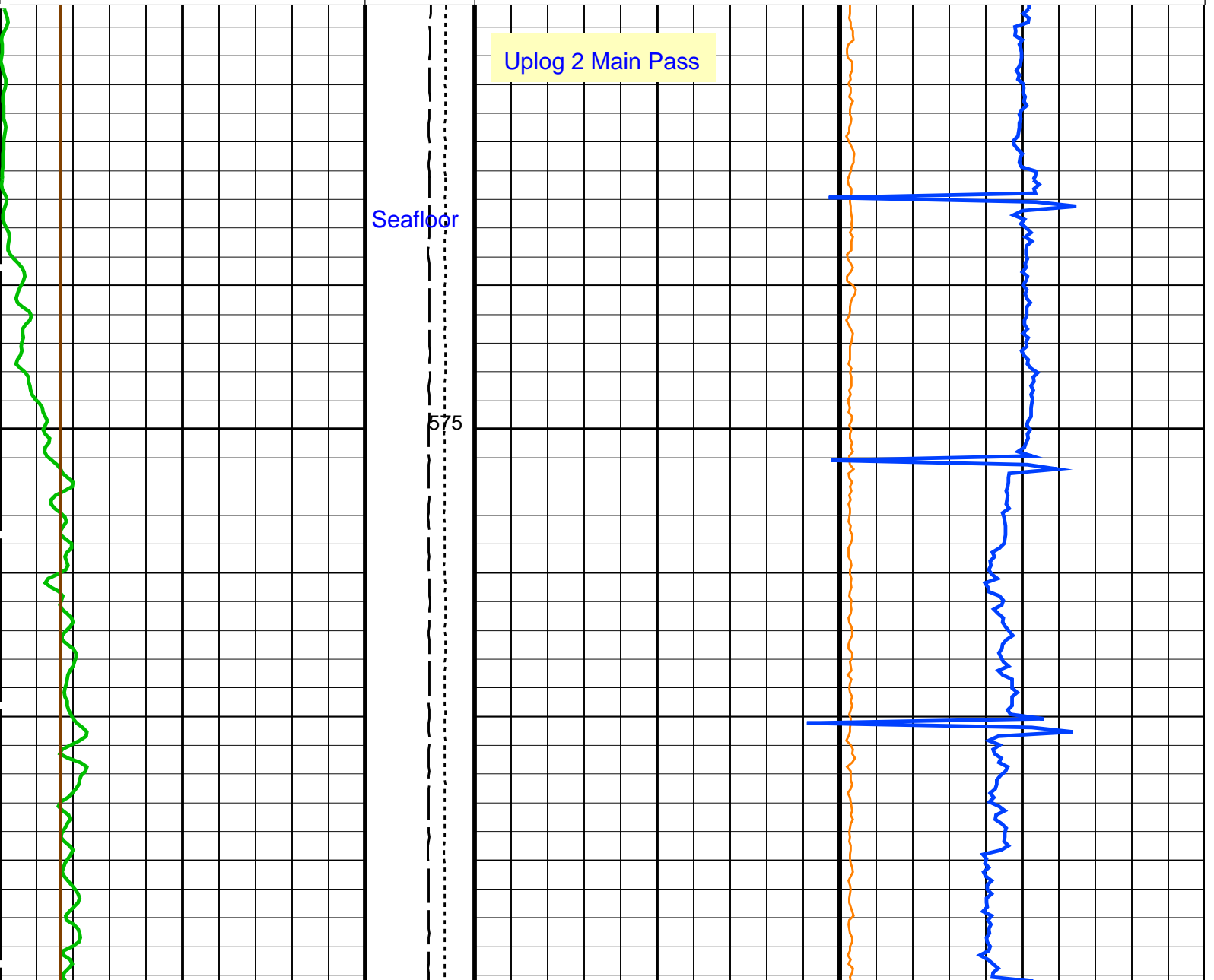
Changed Parameter Summary

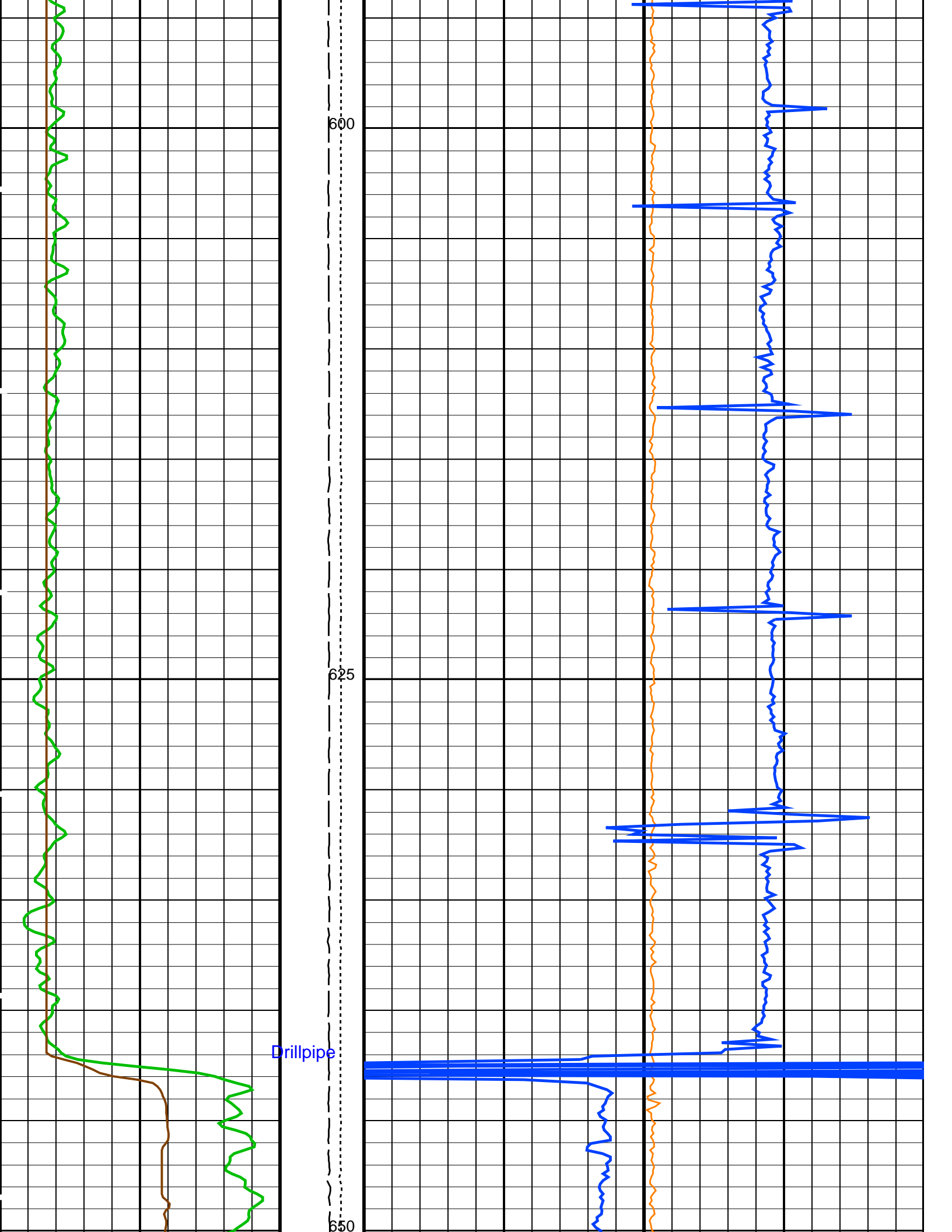
DLIS Name	New Value	Previous Value	Depth & Time
COLL	120 US/F	60 US/F	834.7 22:04:32

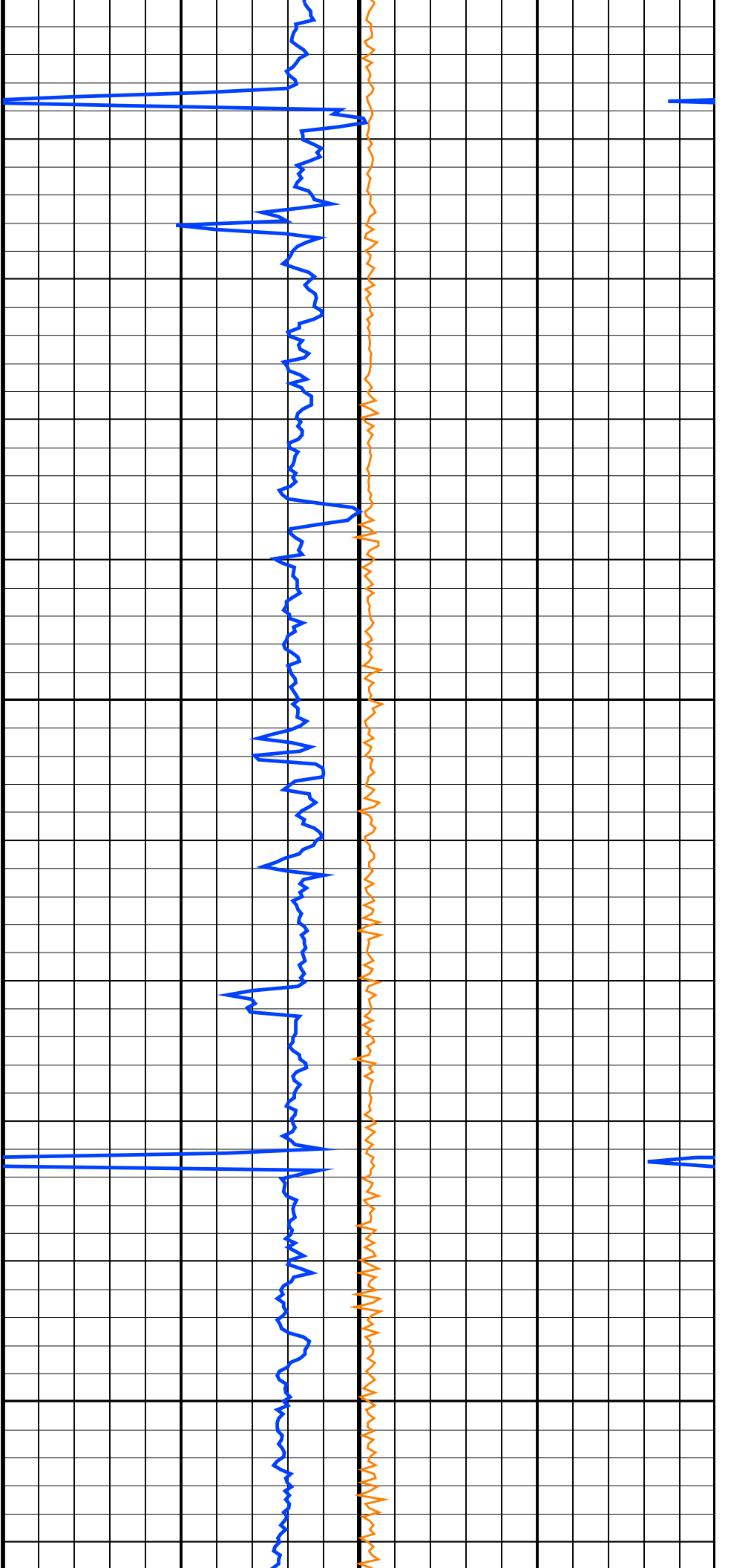
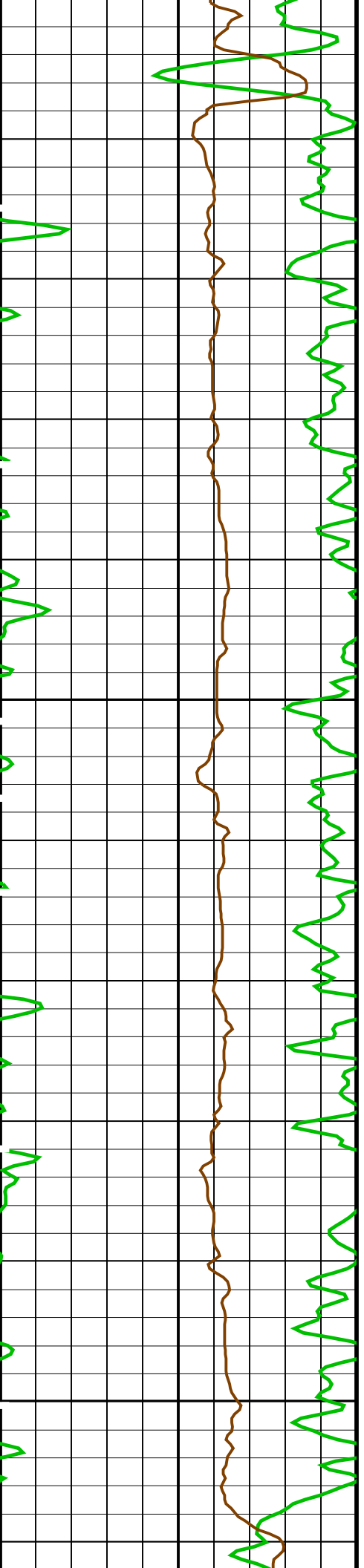
PIP SUMMARY

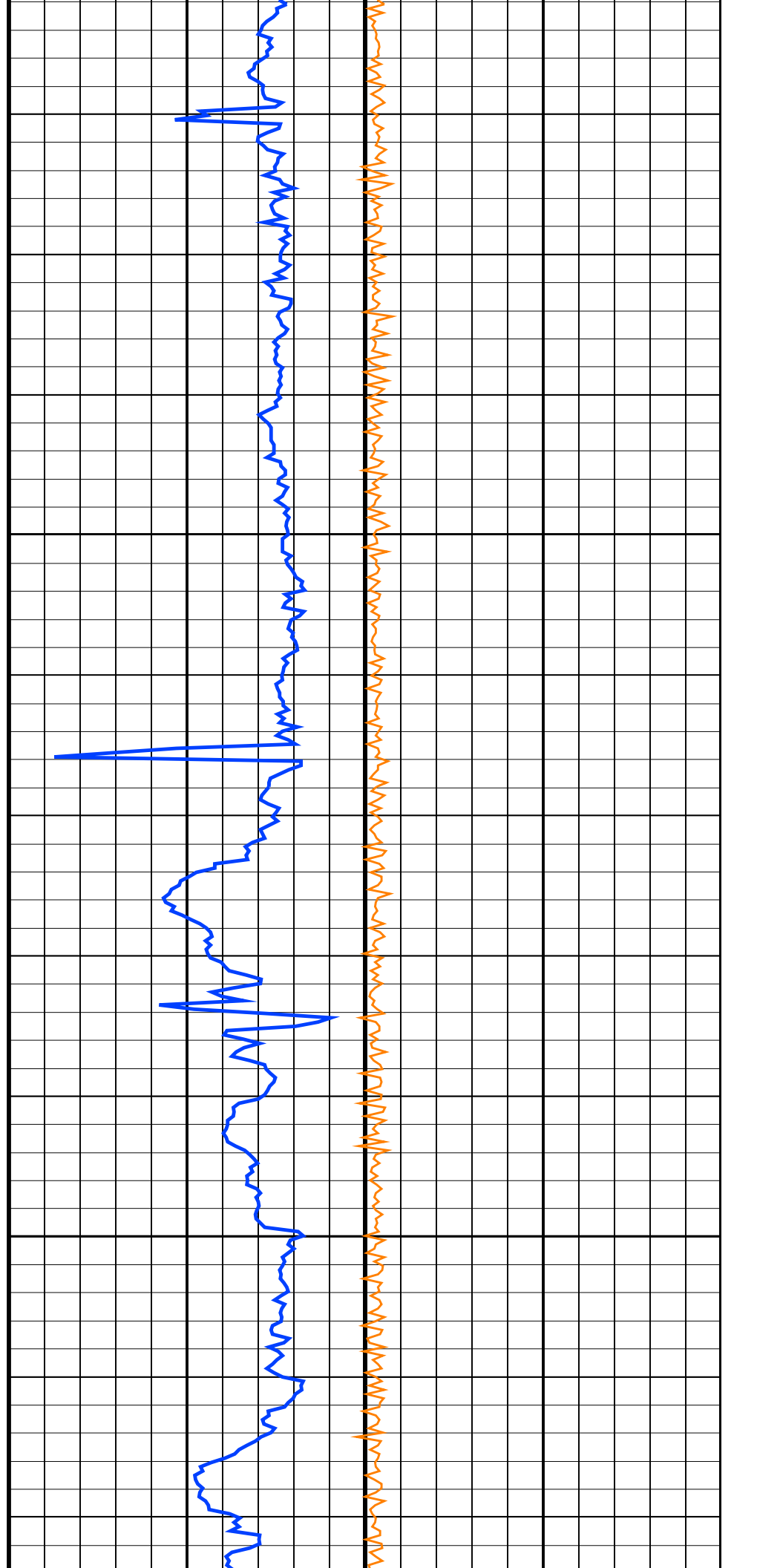
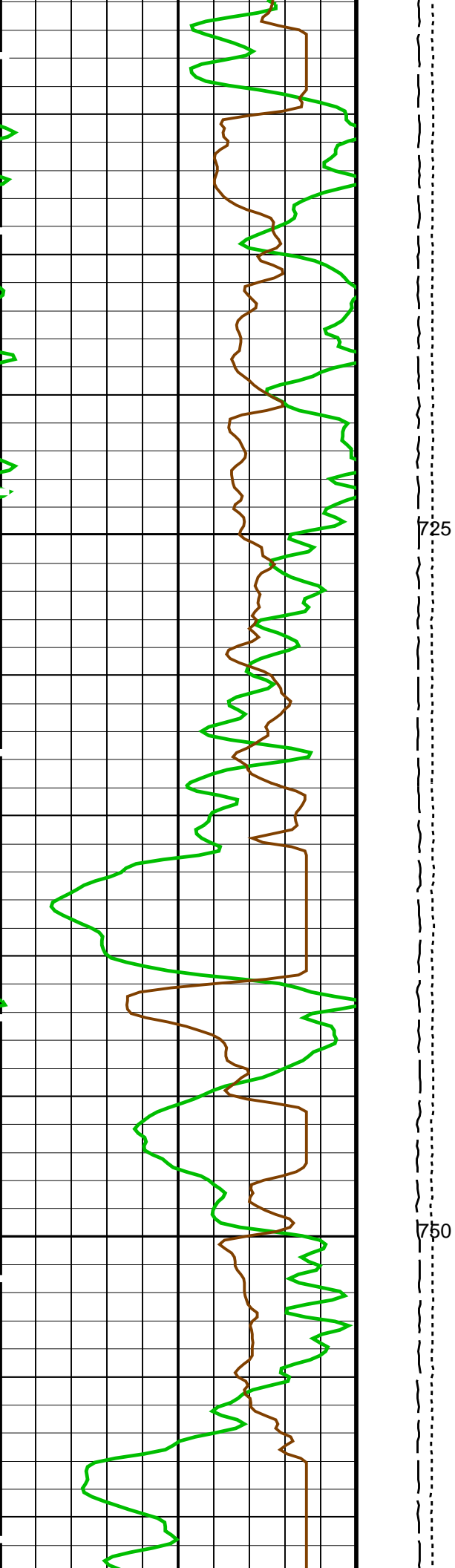
Time Mark Every 60 S

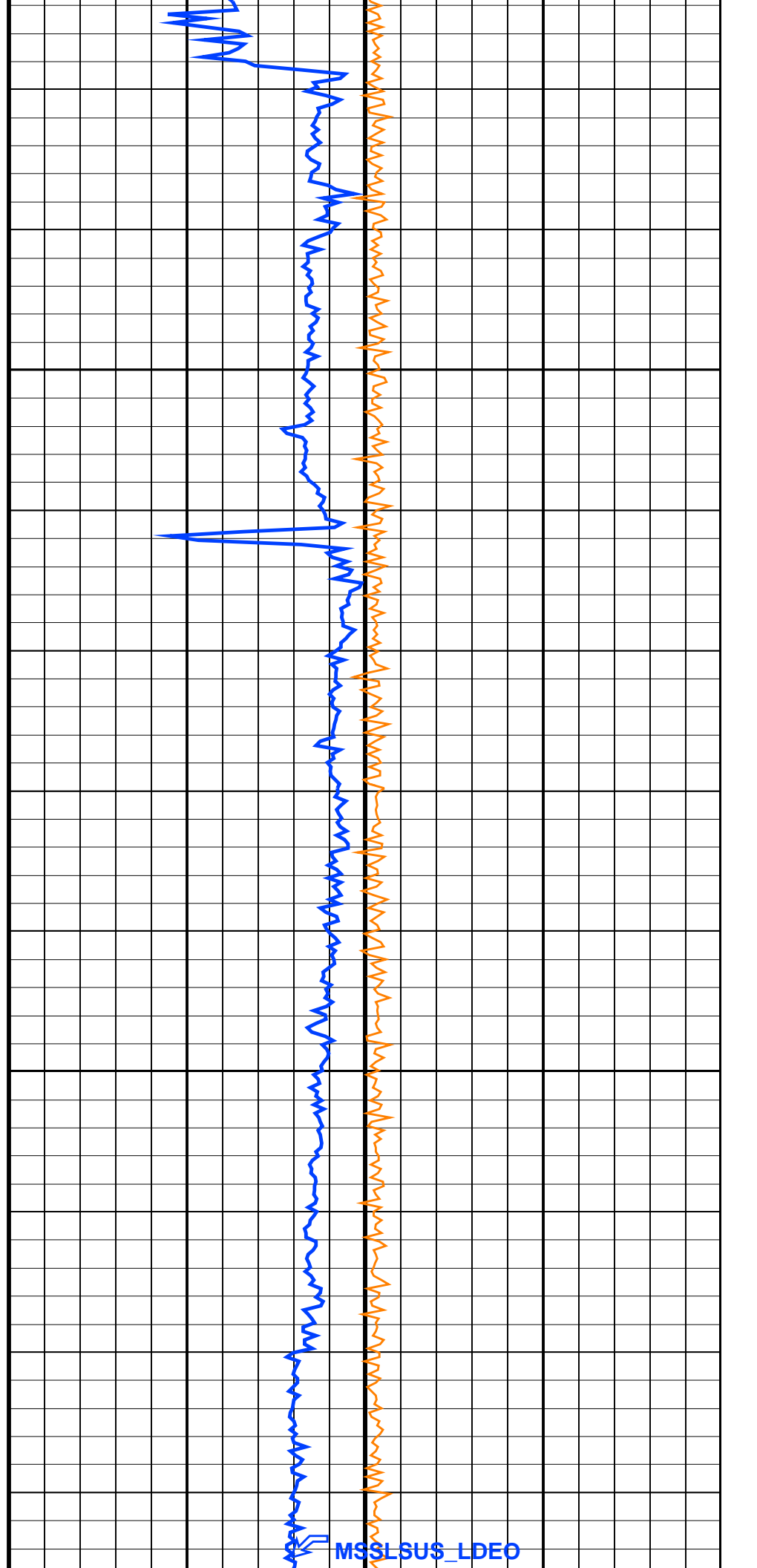
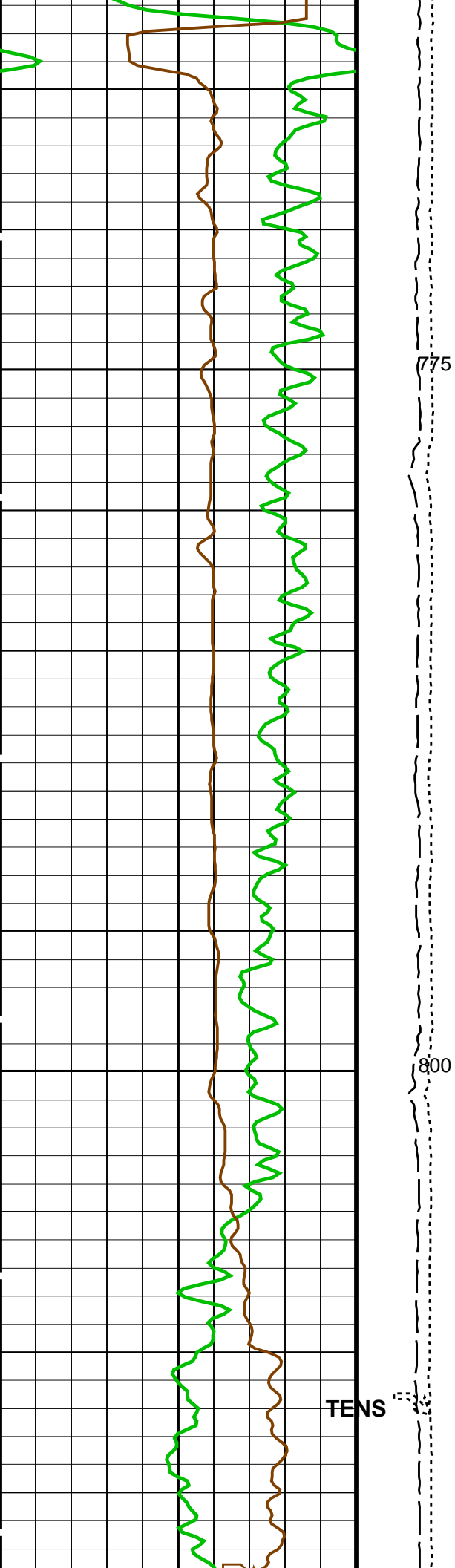
<p style="color: green; text-align: center;">Gamma Ray (GR_EDTC) (GAPI)</p> <p style="text-align: center;">0 100</p>	<p>Calibrated Downhole Force (CDF) (LBF)</p> <p style="text-align: center;">5000 0</p>	<p style="color: blue; text-align: center;">Dual-Coil Susceptibility (MSSLSUS_LDEO) (PPM)</p> <p style="text-align: center;">0 5000</p>
<p style="color: brown; text-align: center;">HLDS Caliper (LCAL) (IN)</p> <p style="text-align: center;">0 20</p>	<p>Tension (TENS) (LBF)</p> <p style="text-align: center;">10000 0</p>	<p style="color: orange; text-align: center;">Axial Acceleration (MSSZACC_LDEO) (M/S²)</p> <p style="text-align: center;">0 20</p>

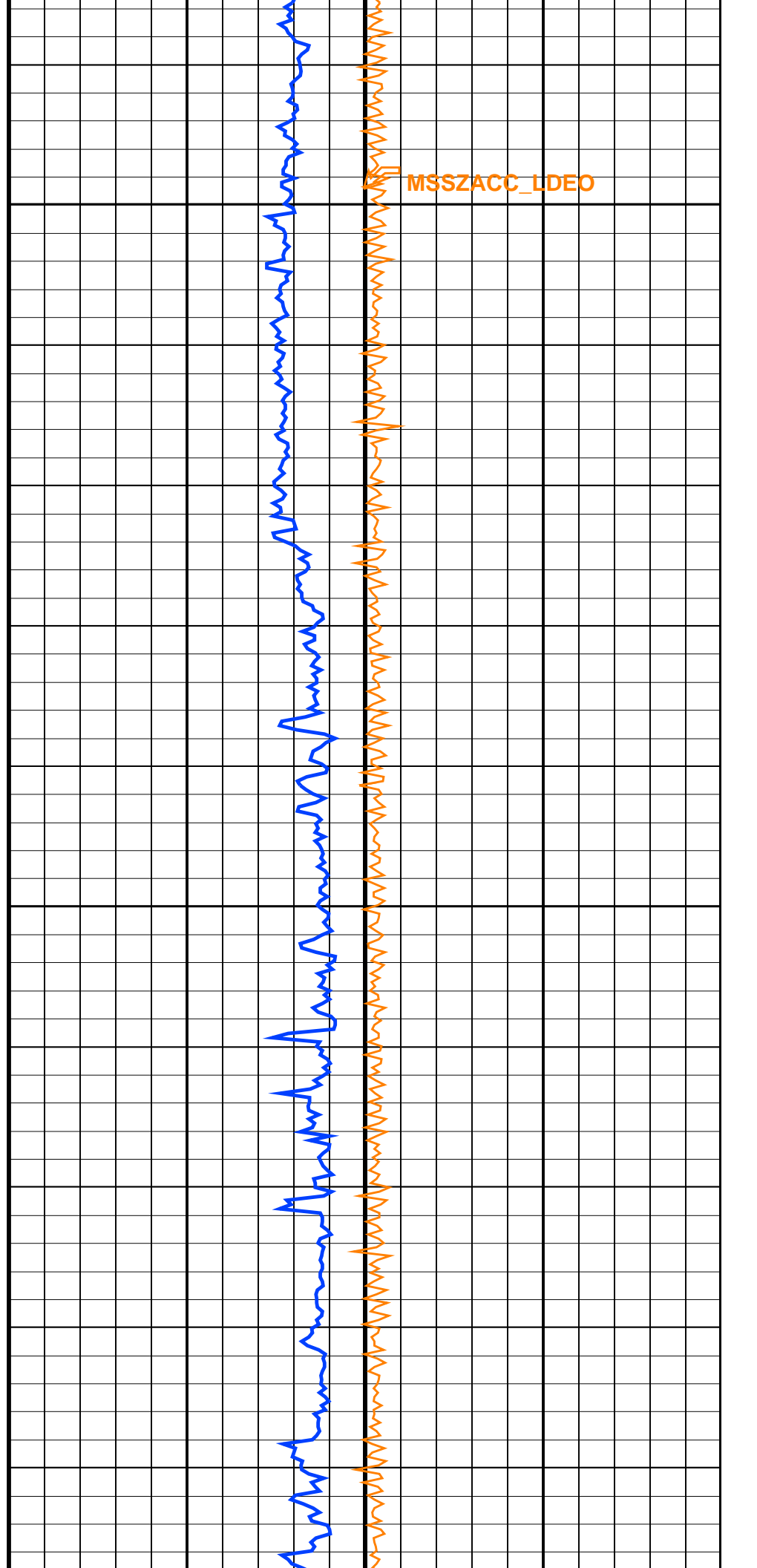
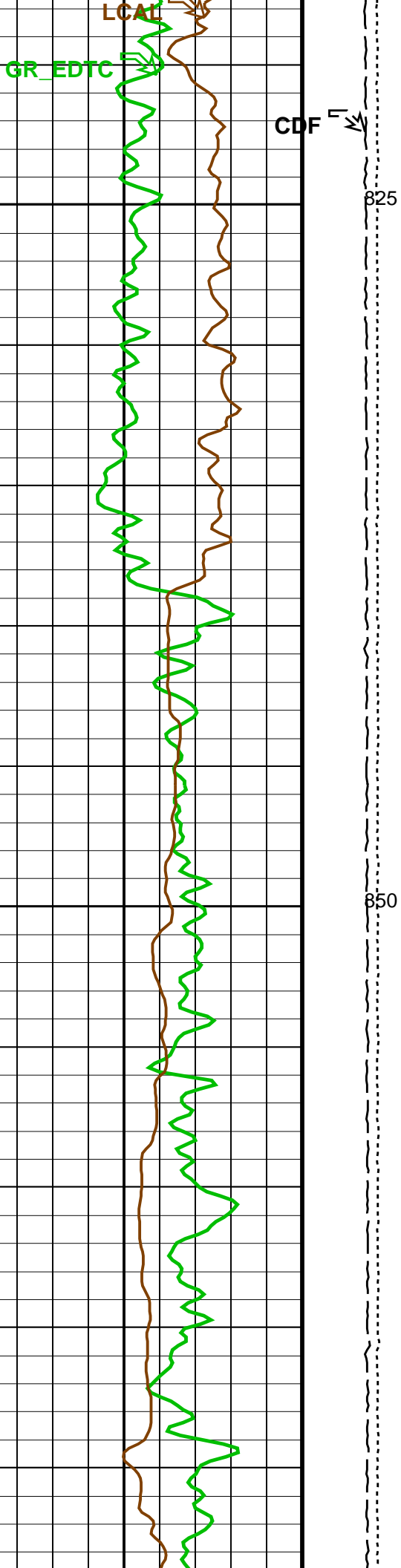


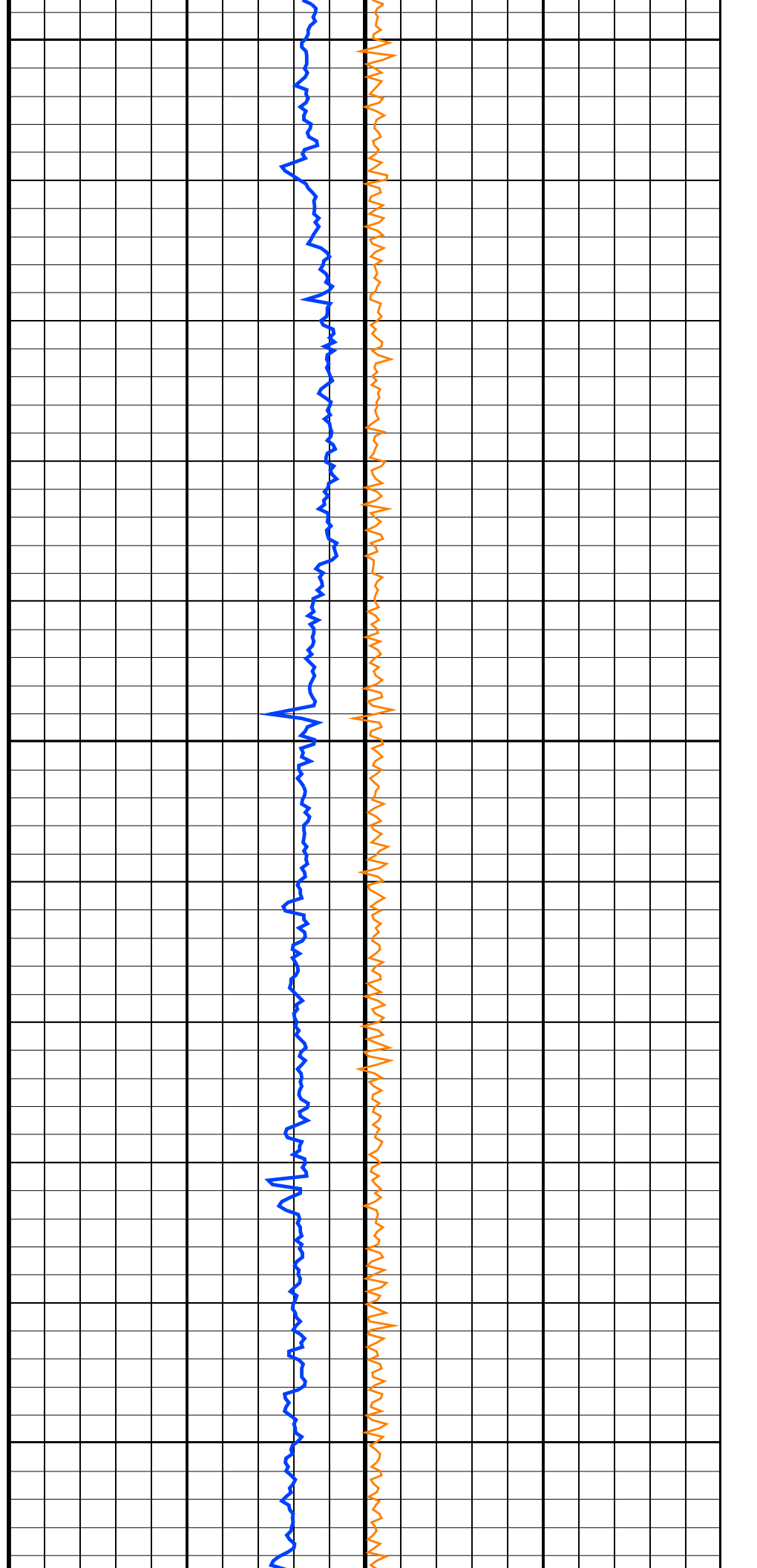
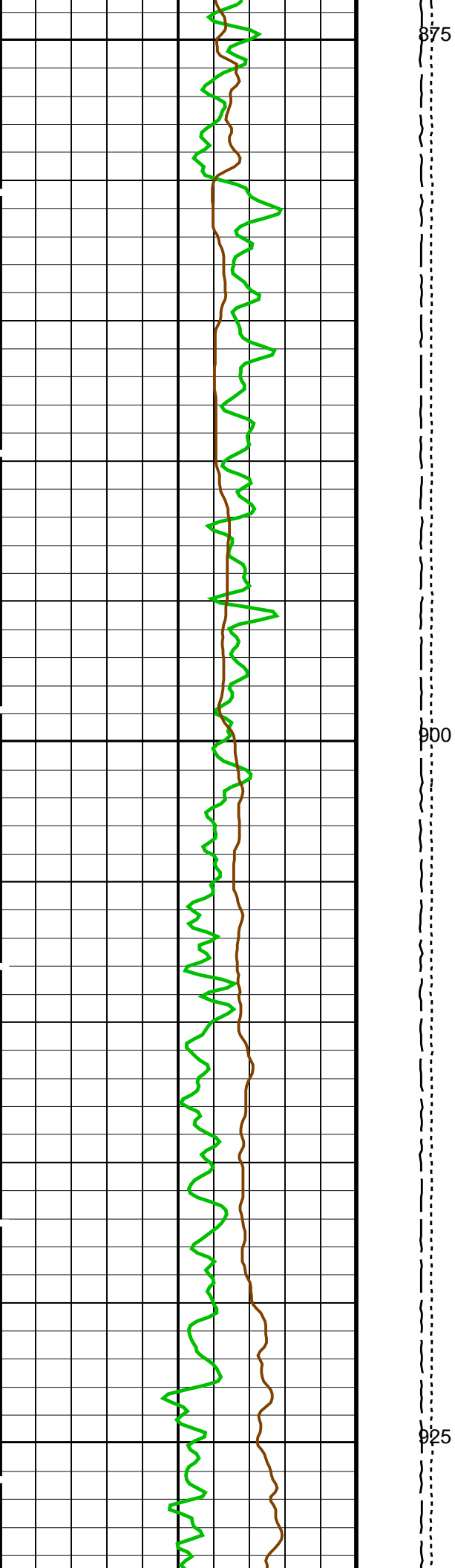


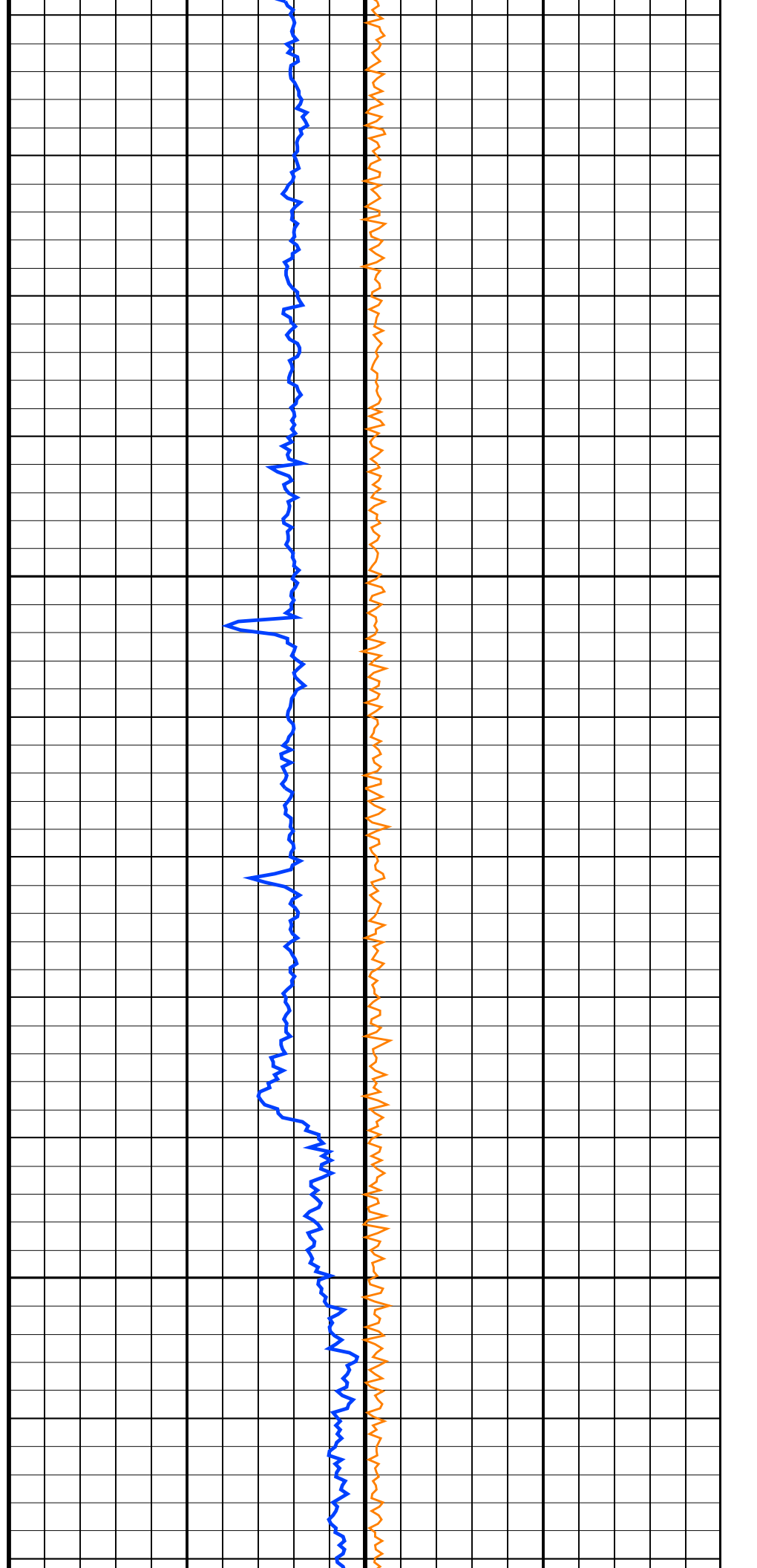
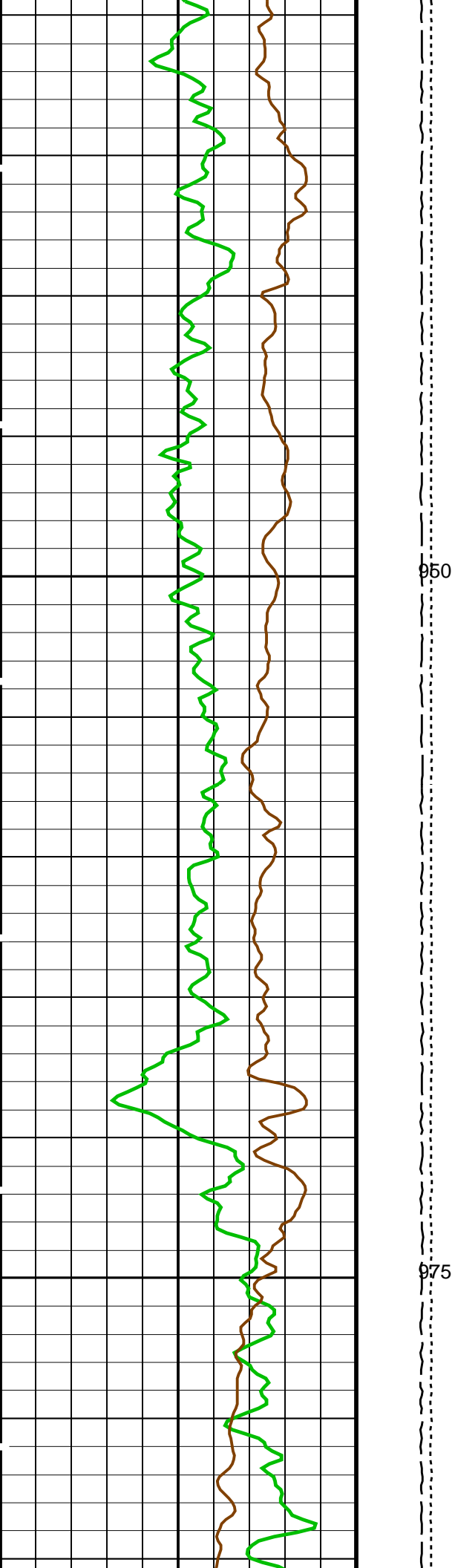


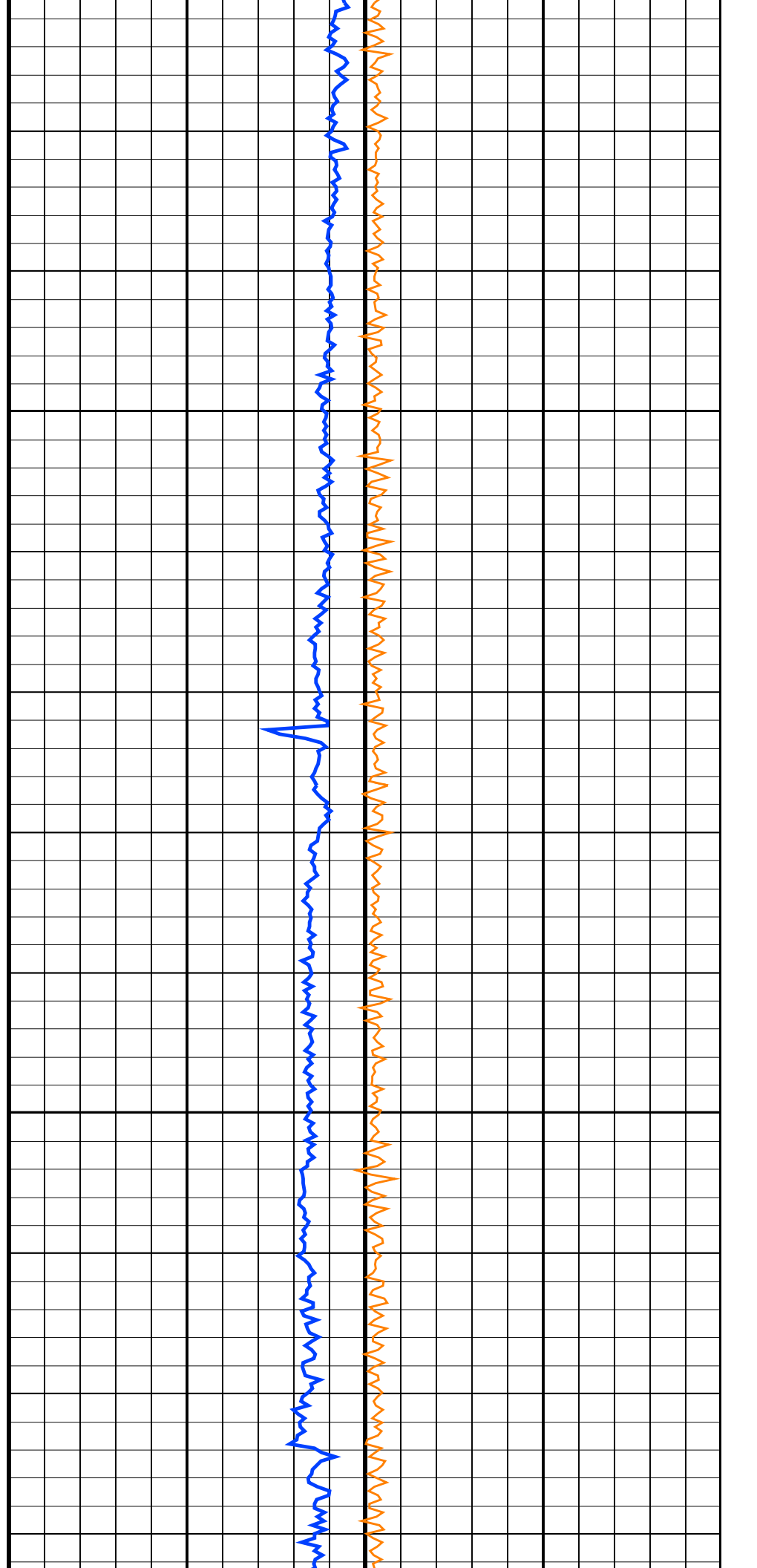
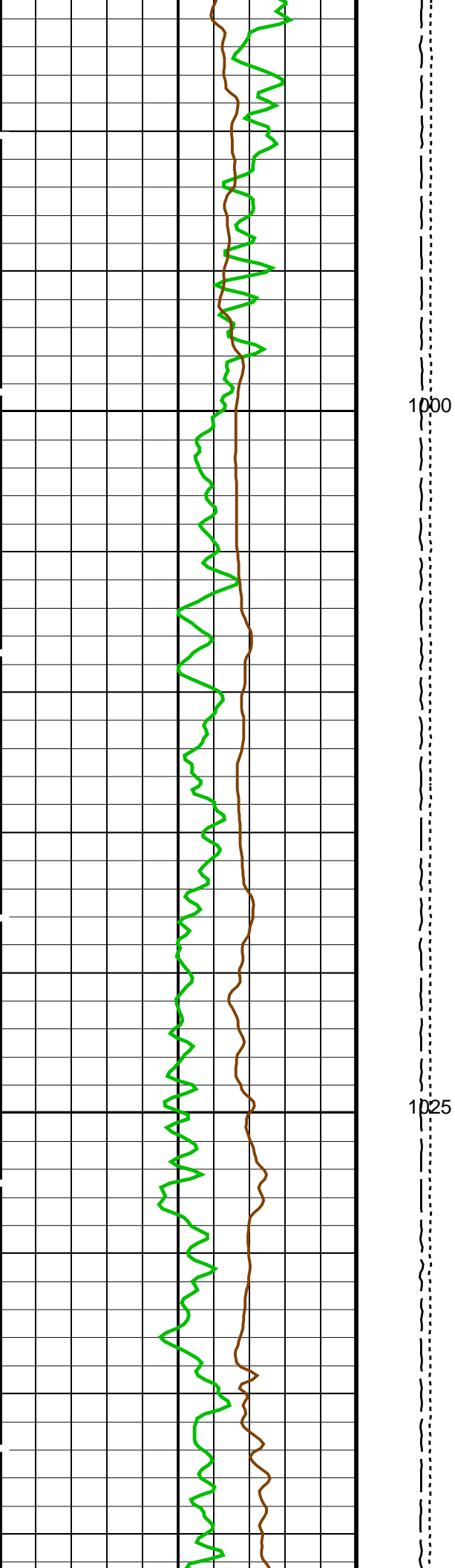


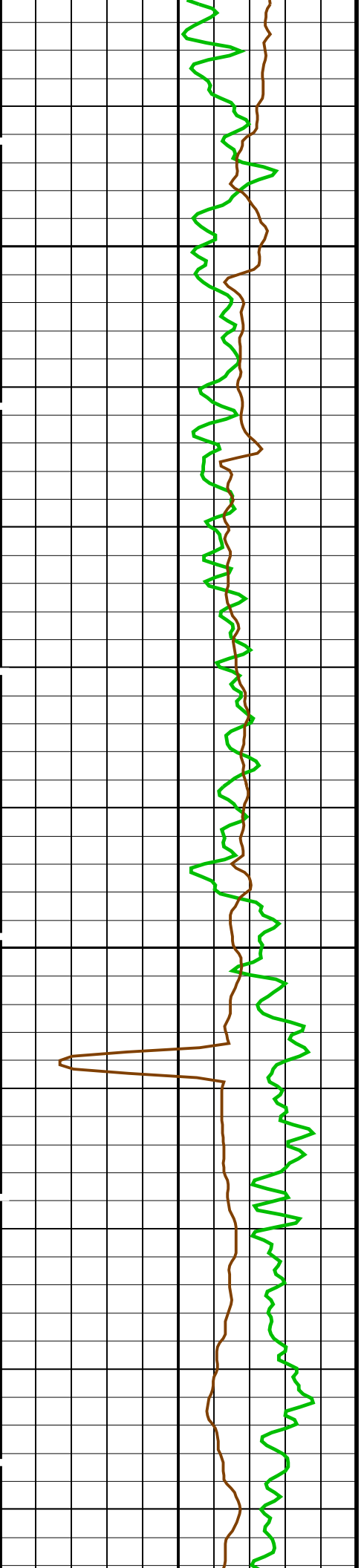




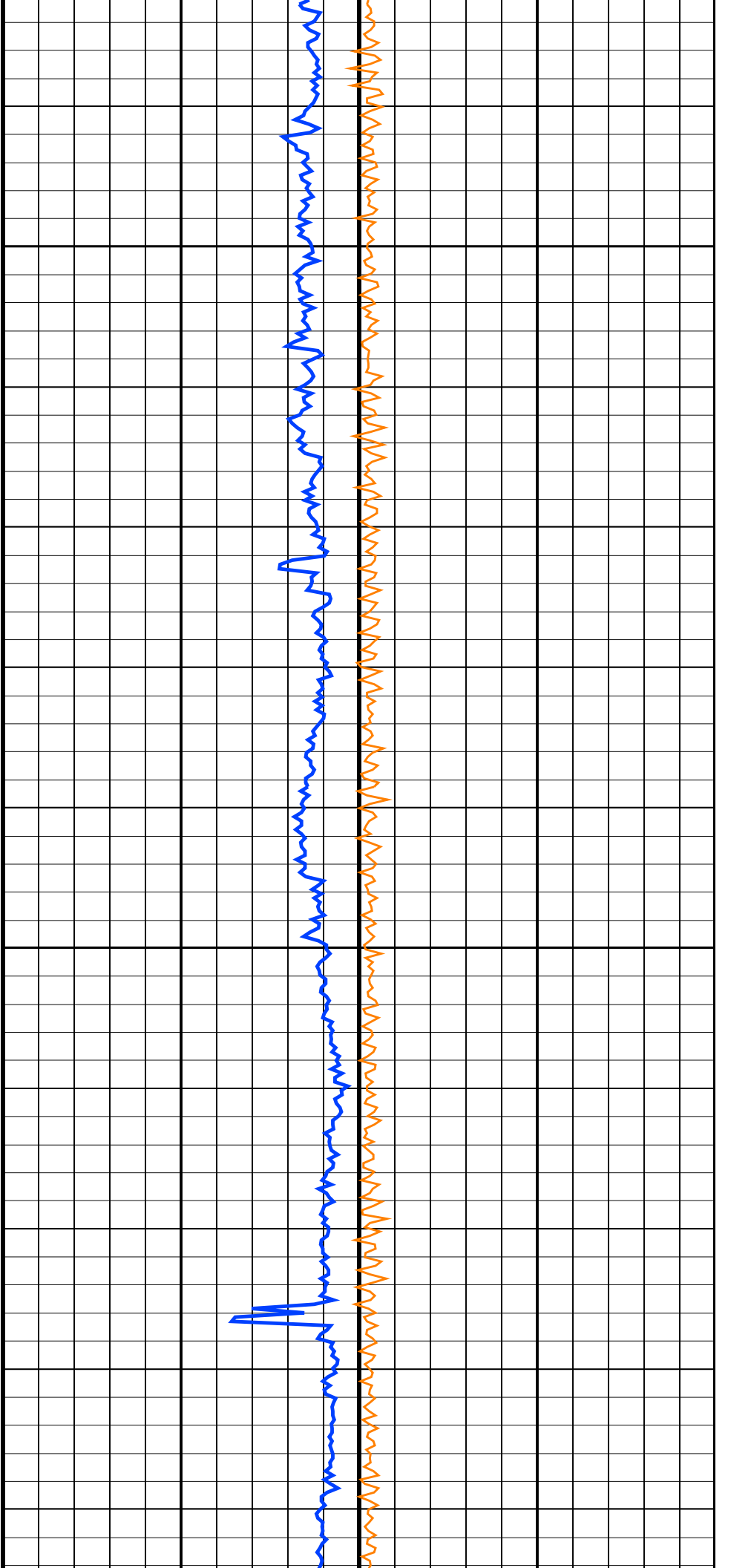


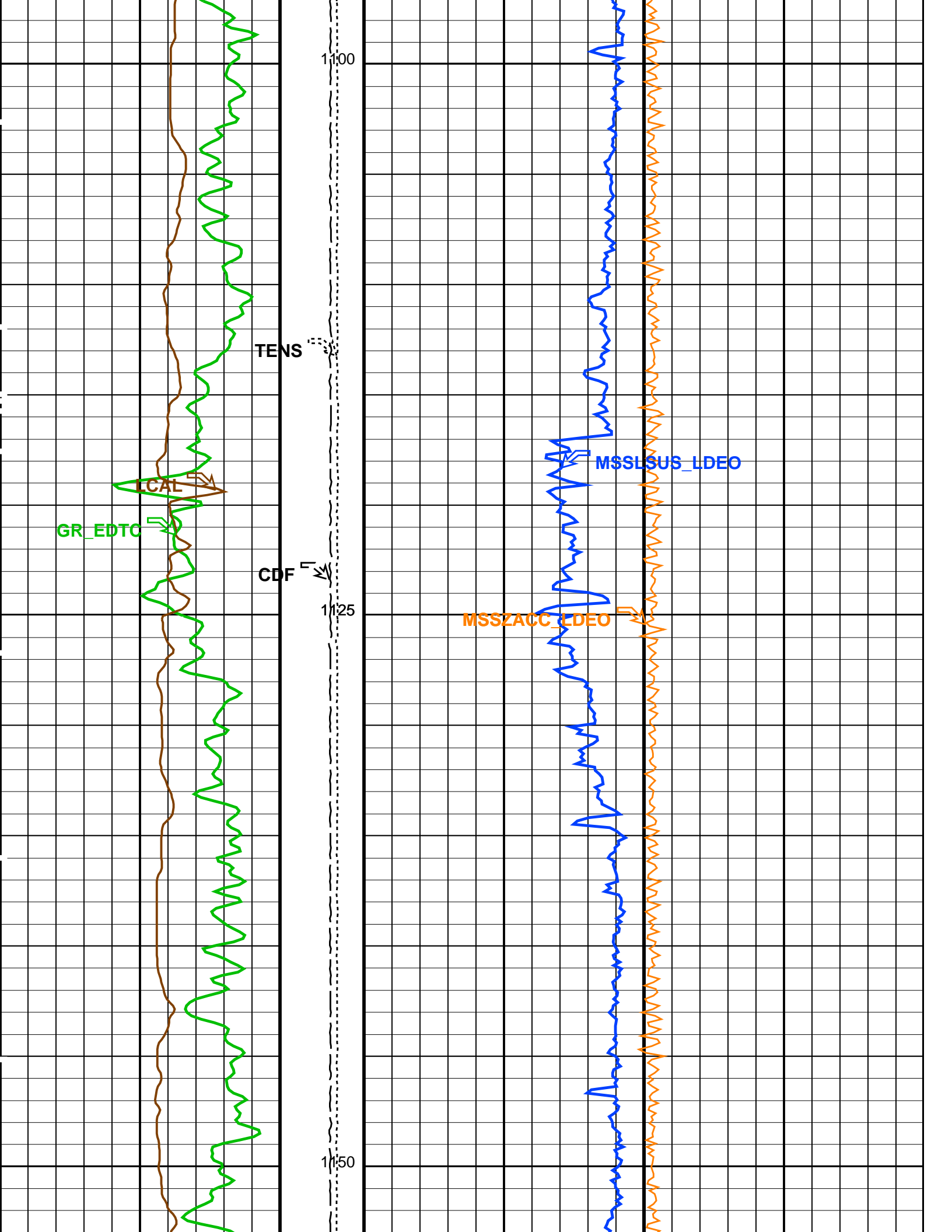


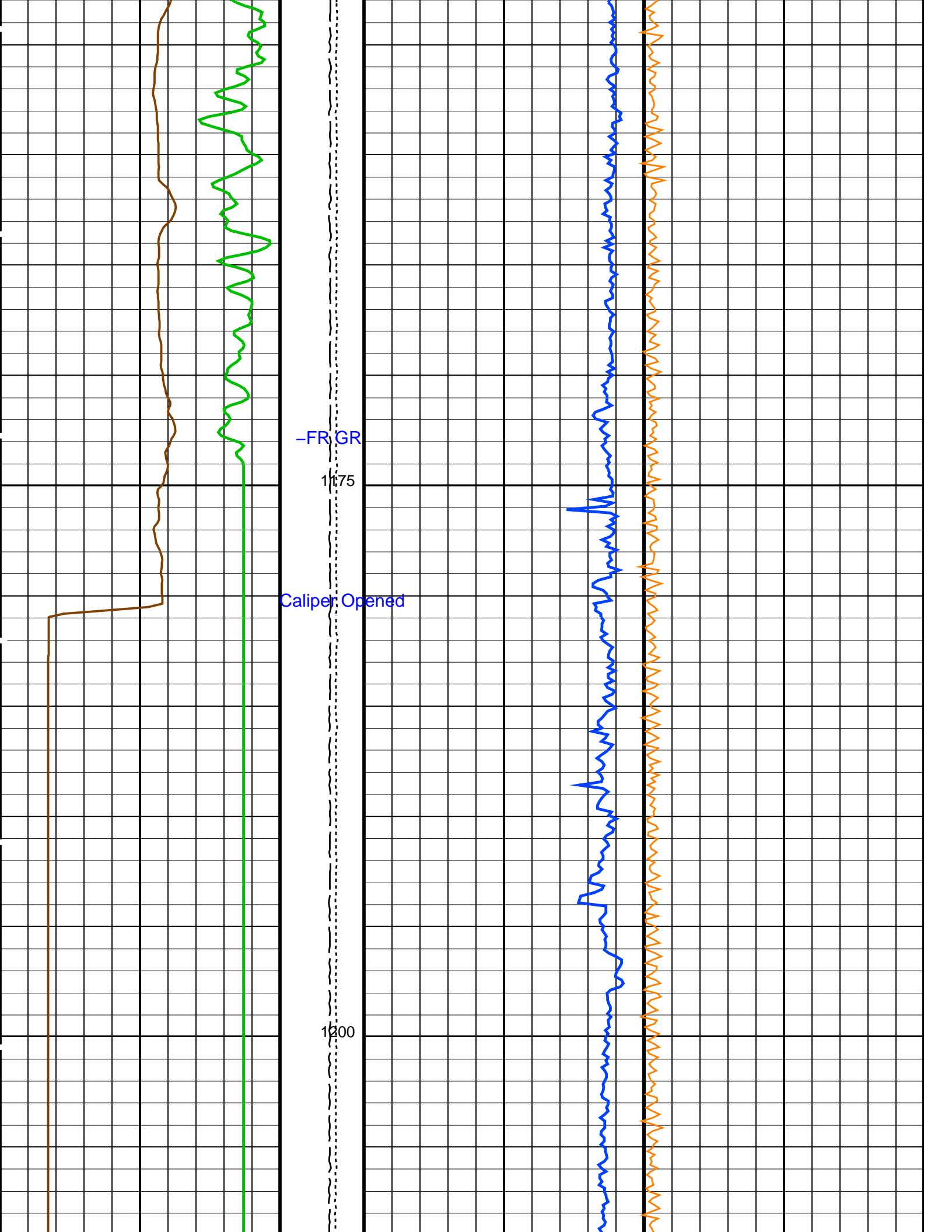


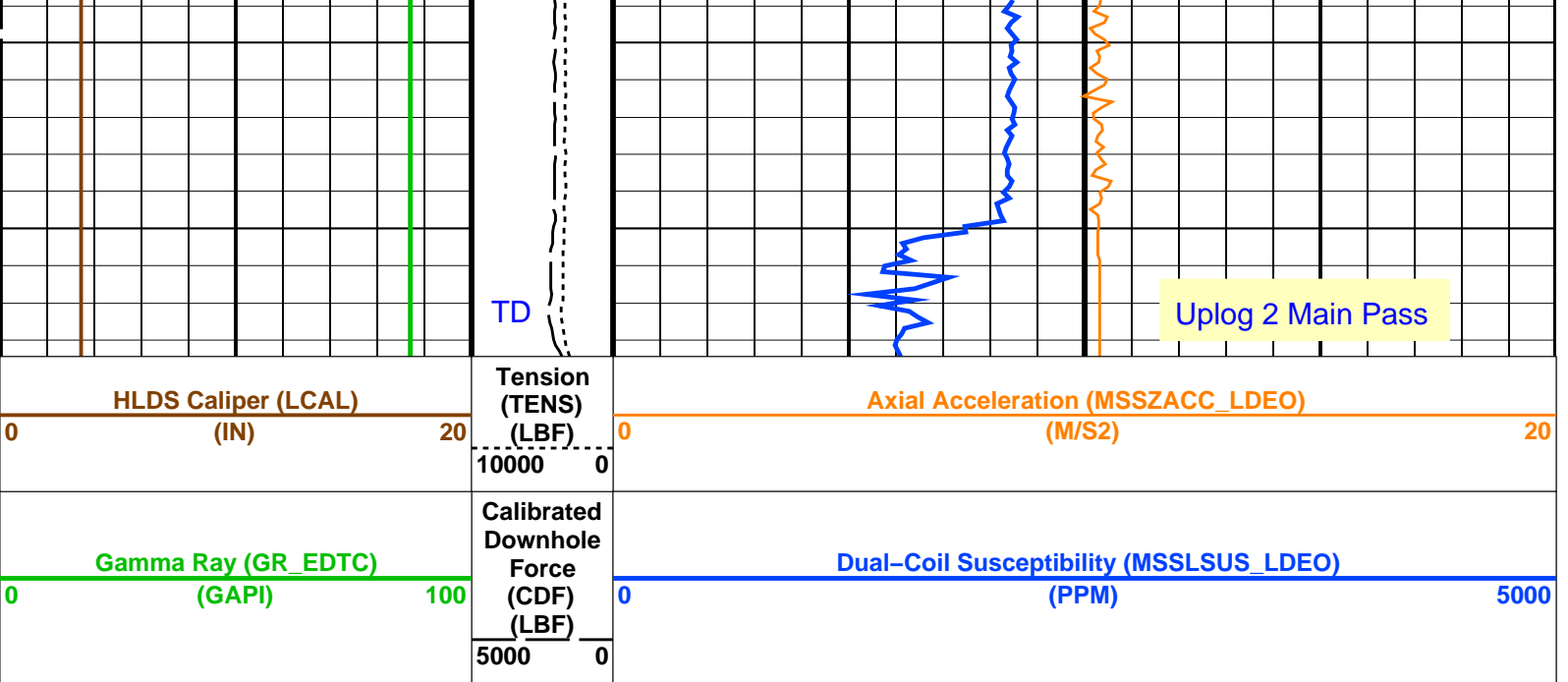


1050
1075









PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
AGC1	Automatic Gain Control 1	ON
AGC2	Automatic Gain Control 2	ON
AGC3	Automatic Gain Control 3	ON
AGC4	Automatic Gain Control 4	ON
AGC5	Automatic Gain Control 5	ON
AGCX	Automatic Gain Control X	ON
BARS_MTR1	Length for Monopole Transmitter to Receiver 1	2.7432 M
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	212 DEGF
CASF	Label Casing Function - Monopole P&S	60
CDTS	C-Delta-T Shale	100 US/F
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	60 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	202 US/F
DDE1	Digitizing Delay 1	0 US
DDE2	Digitizing Delay 2	0 US
DDE3	Digitizing Delay 3	0 US
DDE4	Digitizing Delay 4	0 US
DDE5	Digitizing Delay 5	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DLHS	Label Hole Diameter Source for SOBS Channel	AUTO
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSI2	Digitizer Sample Interval 2	40 US
DSI3	Digitizer Sample Interval 3	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSI5	Digitizer Sample Interval 5	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	205 US/F
DTM	Delta-T Matrix	56 US/F
DTSS	Shear Delta-T Source for DTSM Channel	LOWER_DIPOLE
DWC1	Digitizer Word Count 1	512
DWC2	Digitizer Word Count 2	512
DWC3	Digitizer Word Count 3	512
DWC4	Digitizer Word Count 4	512
DWC5	Digitizer Word Count 5	512
DWCX	Digitizer Word Count X	512
FDE1	Firing Delay 1	0
FDE2	Firing Delay 2	0
FDE3	Firing Delay 3	0
FDE4	Firing Delay 4	0
FDE5	Firing Delay 5	0
FDEX	Firing Delay X	0
FGM5	First Motion Gate Moveout 5	40 US/F
FGMX	First Motion Gate Moveout X	40 US/F

FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
FMG5	First Motion Minimum Gate 5	500	US
FMGX	First Motion Minimum Gate X	500	US
FMLL	Slowness Lower Limit – FMD	40	US/F
FMRC	Restart Control – FMD	CONTINUE	
FMT5	First Motion Threshold 5	UP	
FMTX	First Motion Threshold X	NONE	
FMUL	Slowness Upper Limit – FMD	180	US/F
FNC5	First Motion Noise Counter Input 5	ALO	
FNCX	First Motion Noise Counter Input X	ALO	
FPM	Processing Mode – FMD	NONE	
FTD5	First Motion Threshold Direction 5	UP	
FTDX	First Motion Threshold Direction X	UP	
GAI1	Manual Gain 1	10	
GAI2	Manual Gain 2	10	
GAI3	Manual Gain 3	6	
GAI4	Manual Gain 4	16	
GAI5	Manual Gain 5	16	
GAIX	Manual Gain X	10	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GDT1	Gain Delta-T 1	800	US/F
GDT2	Gain Delta-T 2	800	US/F
GDT3	Gain Delta-T 3	800	US/F
GDT4	Gain Delta-T 4	160	US/F
GDT5	Gain Delta-T 5	160	US/F
GDTX	Gain Delta-T X	800	US/F
GGRD	Geothermal Gradient	0.01	DF/F
GIN1	Gain Interval 1	15360	US
GIN2	Gain Interval 2	15360	US
GIN3	Gain Interval 3	15360	US
GIN4	Gain Interval 4	2560	US
GIN5	Gain Interval 5	1600	US
GINX	Gain Interval X	15360	US
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HPF1	High Pass Filter 1	F80	
HPF2	High Pass Filter 2	F80	
HPF3	High Pass Filter 3	F80	
HPF4	High Pass Filter 4	F8K	
HPF5	High Pass Filter 5	F8K	
HPFX	High Pass Filter X	F80	
ISSBAR	Barite Mud Switch	BARITE	
ITTS	Integrated Transit Time Source	DTCO	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
LPF1	Low Pass Filter 1	F5K	
LPF2	Low Pass Filter 2	F5K	
LPF3	Low Pass Filter 3	F5K	
LPF4	Low Pass Filter 4	F30K	
LPF5	Low Pass Filter 5	F30K	
LPFX	Low Pass Filter X	F5K	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MAI5	Slowness Averaging Interval – FMD	42	IN
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCS	Mean Casing Slowness	57	US/F
MDS5	Multishot Delta-T Scatter – FMD	20	US
MTXG	Monopole Transmitter Geometry	186	IN
MUX1	Sum Difference Multiplexor Input 1	RR	
MUX2	Sum Difference Multiplexor Input 2	RR	
MUX3	Sum Difference Multiplexor Input 3	RR	
MUX4	Sum Difference Multiplexor Input 4	RR	
MUX5	Sum Difference Multiplexor Input 5	RR	
MUXX	Sum Difference Multiplexor Input X	RR	
NTI5	Number Threshold Items 5	0	
NTIX	Number Threshold Items X	0	
NWI1	Number Waveform Items 1	8	
NWI2	Number Waveform Items 2	8	
NWI3	Number Waveform Items 3	0	
NWI4	Number Waveform Items 4	8	
NWI5	Number Waveform Items 5	0	
NWIX	Number Waveform Items X	0	
NWS1	Number Waveforms Stacked 1	1	
NWS2	Number Waveforms Stacked 2	1	
NWS3	Number Waveforms Stacked 3	1	
NWS4	Number Waveforms Stacked 4	1	
NWS5	Number Waveforms Stacked 5	1	
NWSX	Number Waveforms Stacked X	1	
RATE	Firing Rate	R7	
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

RX3C	Receiver 3 Geometry	310	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	OFF	
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN	
SAM5	DSST Sonic Acquisition Mode 5 – Monopole Mode for FMD	OFF	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SAS5	Sonic Array Status – FMD	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBO3	STC Search Band Offset – Monopole Stoneley	3000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SBW3	STC Search Bandwidth – Monopole Stoneley	8000	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM2	STC Filter – Upper Dipole	B1–2K	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	239	US/F
SHT	Surface Hole Temperature	55	DEGF
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
LLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
LLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
LLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F
LLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPSO	Sonic Porosity Source	DTCO	
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1040	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBDB	Tool String Bottom to DSST Bottom	249.908	IN
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TLL3	STC Time Lower Limit – Monopole Stoneley	600	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	200	US
TST3	STC Time Step – Monopole Stoneley	200	US
TST4	STC Time Step – Monopole P&S	50	US
TTDB	Tool String Top to DSST Bottom	1656.11	IN
TUL1	STC Time Upper Limit – Lower Dipole	18960	US
TUL2	STC Time Upper Limit – Upper Dipole	18440	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12000	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWA1	Transmitter Waveform Amplitude 1	179	
TWA2	Transmitter Waveform Amplitude 2	179	
TWA3	Transmitter Waveform Amplitude 3	166	
TWA4	Transmitter Waveform Amplitude 4	150	
TWA5	Transmitter Waveform Amplitude 5	150	
TWAX	Transmitter Waveform Amplitude X	179	
TWD1	STC Time Width – Lower Dipole	2000	US

TWD2	STC Time Width - Upper Dipole	2000	US
TWD3	STC Time Width - Monopole Stoneley	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWI3	STC Integration Time Window - Monopole Stoneley	2400	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWR1	Transmitter Waveform Sample Rate 1	20	US
TWR2	Transmitter Waveform Sample Rate 2	5	US
TWR3	Transmitter Waveform Sample Rate 3	5	US
TWR4	Transmitter Waveform Sample Rate 4	5	US
TWR5	Transmitter Waveform Sample Rate 5	5	US
TWRX	Transmitter Waveform Sample Rate X	5	US
TWS1	Transmitter Waveform Select 1	2	
TWS2	Transmitter Waveform Select 2	0	
TWS3	Transmitter Waveform Select 3	4	
TWS4	Transmitter Waveform Select 4	6	
TWS5	Transmitter Waveform Select 5	6	
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFDTSP1	SAM1 Waveform Delta for Spectrum	0	US/F
WFDTSP2	SAM2 Waveform Delta for Spectrum	0	US/F
WFDTSP3	SAM3 Waveform Delta for Spectrum	0	US/F
WFDTSP4	SAM4 Waveform Delta for Spectrum	0	US/F
WFDTSPX	SAMX Waveform Delta for Spectrum	0	US/F
WFLSP1	SAM1 Waveform Lower Limit for Spectrum	0	US
WFLSP2	SAM2 Waveform Lower Limit for Spectrum	0	US
WFLSP3	SAM3 Waveform Lower Limit for Spectrum	0	US
WFLSP4	SAM4 Waveform Lower Limit for Spectrum	0	US
WFLSPX	SAMX Waveform Lower Limit for Spectrum	0	US
WFM1	Waveform Mode 1	W1	
WFM2	Waveform Mode 2	W1	
WFM3	Waveform Mode 3	W1	
WFM4	Waveform Mode 4	W1	
WFM5	Waveform Mode 5	W1	
WFMX	Waveform Mode X	W1	
WFULSP1	SAM1 Waveform Upper Limit for Spectrum	20000	US
WFULSP2	SAM2 Waveform Upper Limit for Spectrum	20000	US
WFULSP3	SAM3 Waveform Upper Limit for Spectrum	20000	US
WFULSP4	SAM4 Waveform Upper Limit for Spectrum	5000	US
WFULSPX	SAMX Waveform Upper Limit for Spectrum	20000	US
XMT1	Transmitter Select 1	DLO	
XMT2	Transmitter Select 2	DUP	
XMT3	Transmitter Select 3	MONO	
XMT4	Transmitter Select 4	MONO	
XMT5	Transmitter Select 5	MONO	
XMTX	Transmitter Select X	DUP	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
CALSTAT	HRLTB Calibration Status	SHALLOW_DONE	
CALTEMP	HRLTB Calibration Temperature	2.87911	DEGC
FREQ0	HRLT Frequency Index for Mode 0	32	
FREQ1	HRLT Frequency Index for Mode 1	128	
FREQ2	HRLT Frequency Index for Mode 2	104	
FREQ3	HRLT Frequency Index for Mode 3	86	
FREQ4	HRLT Frequency Index for Mode 4	56	
FREQ5	HRLT Frequency Index for Mode 5	44	
FREQ6	HRLT Frequency Index for Mode 6	116	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	BARITE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
LOOPCOEF_S	HRLT Loop Coefficient for Shallow Modes	LOW	
LOOPMOD0	HRLT Mode 0 Loop Mode	AUTO	
LOOPMOD1	HRLT Mode 1 Loop Mode	AUTO	
LOOPMOD2	HRLT Mode 2 Loop Mode	AUTO	
LOOPMOD3	HRLT Mode 3 Loop Mode	AUTO	
LOOPMOD4	HRLT Mode 4 Loop Mode	AUTO	
LOOPMOD5	HRLT Mode 5 Loop Mode	AUTO	
LOOPMOD6	HRLT Mode 6 Loop Mode	AUTO	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PROCI NV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCM SO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	
SHT	Surface Hole Temperature	55	DEGF
HLDS: Hostile Litho-Density Sonde			
CLCL	HLDS LS Control Loop Controller Mode	AUTO_DEFAULT	
CLCS	HLDS SS Control Loop Controller Mode	AUTO_DEFAULT	
CLLS	HLDS Mode Loop Long Spacing	AUTO	

CLSS	HLDS Mode Loop Short Spacing	AUTO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1	G/C3
LATC	HLDS Activation Correction	OFF	
LLDL	HLDS LS Low Level Discriminator DAC	14000	
LLDS	HLDS SS Low Level Discriminator DAC	14000	
LLML	HLDS LS Low Level Discriminator Mode	AUTO	
LLMS	HLDS SS Low Level Discriminator Mode	AUTO	
MDEN	Matrix Density	2.6	G/C3
PHVL	HLDS Long Spacing High Voltage Setting	1000	V
PHVS	HLDS Short Spacing High Voltage Setting	1000	V
PSDL	HLDS LS Pulse Shape Compensation DAC	30000	
PSDS	HLDS SS Pulse Shape Compensation DAC	30000	
PSML	HLDS LS Pulse Shape Compensation Mode	AUTO	
PSMS	HLDS SS Pulse Shape Compensation Mode	AUTO	
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	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
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	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00381071	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
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	
SHT	Surface Hole Temperature	55	DEGF
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.967407	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.975765	
EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	YES	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	55	DEGF
SOCN	Standoff Distance	0.5	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Eccentered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	

System and Miscellaneous

ALTDPCCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M

DO	Depth Onset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	4166	FT
TDD	Total Depth - Driller	1270.30	M
TDL	Total Depth - Logger	1270.11	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: MSS_Logging Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 22:03

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_042PUP	FN:58	PRODUCER	28-Jan-2018 22:03		
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Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_042PUP	FN:58	PRODUCER	28-Jan-2018 22:03	1218.4 M	560.2 M
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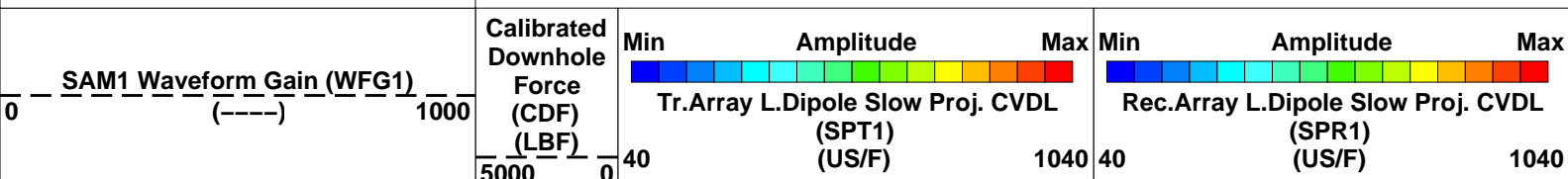
OP System Version: 19C0-187

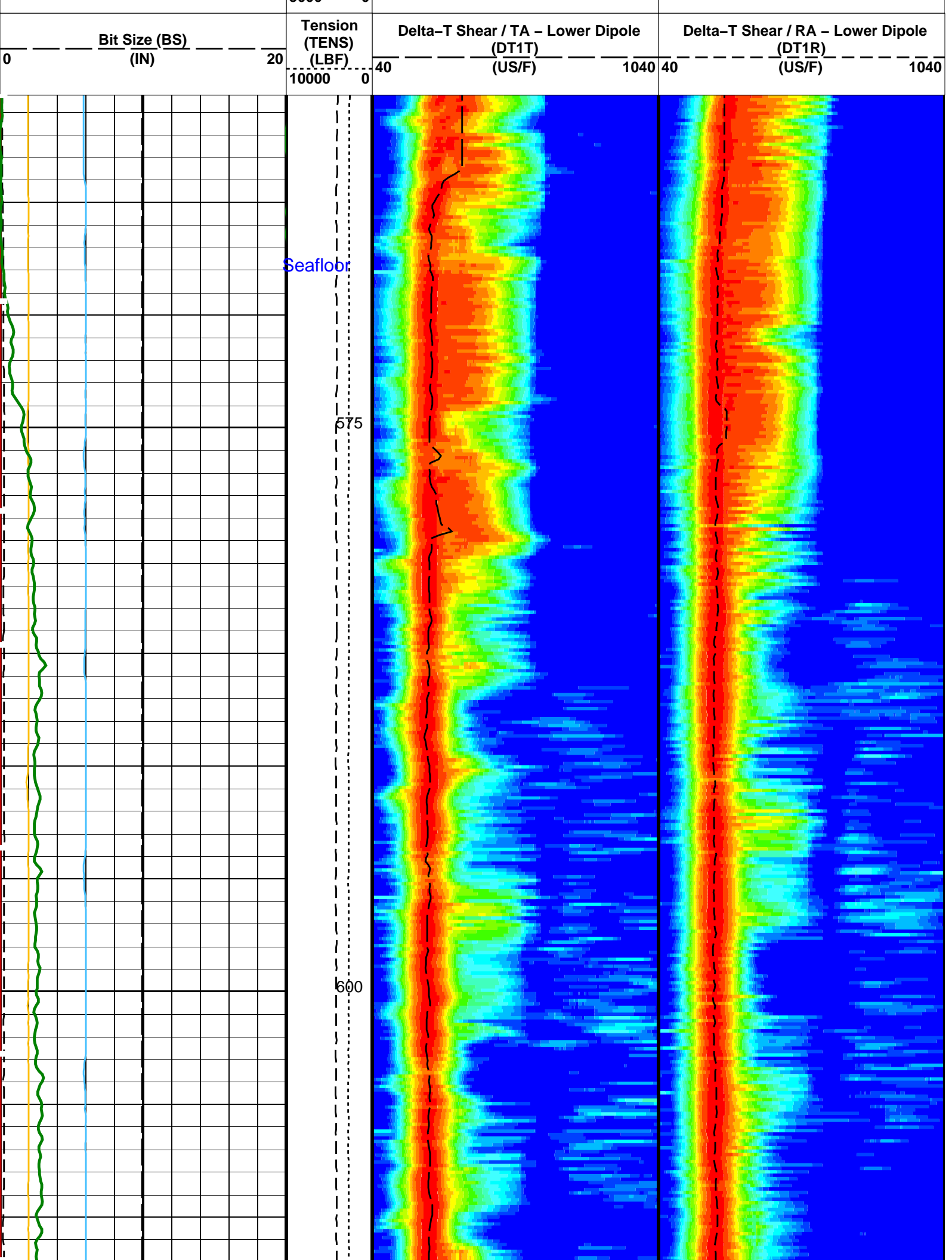
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HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

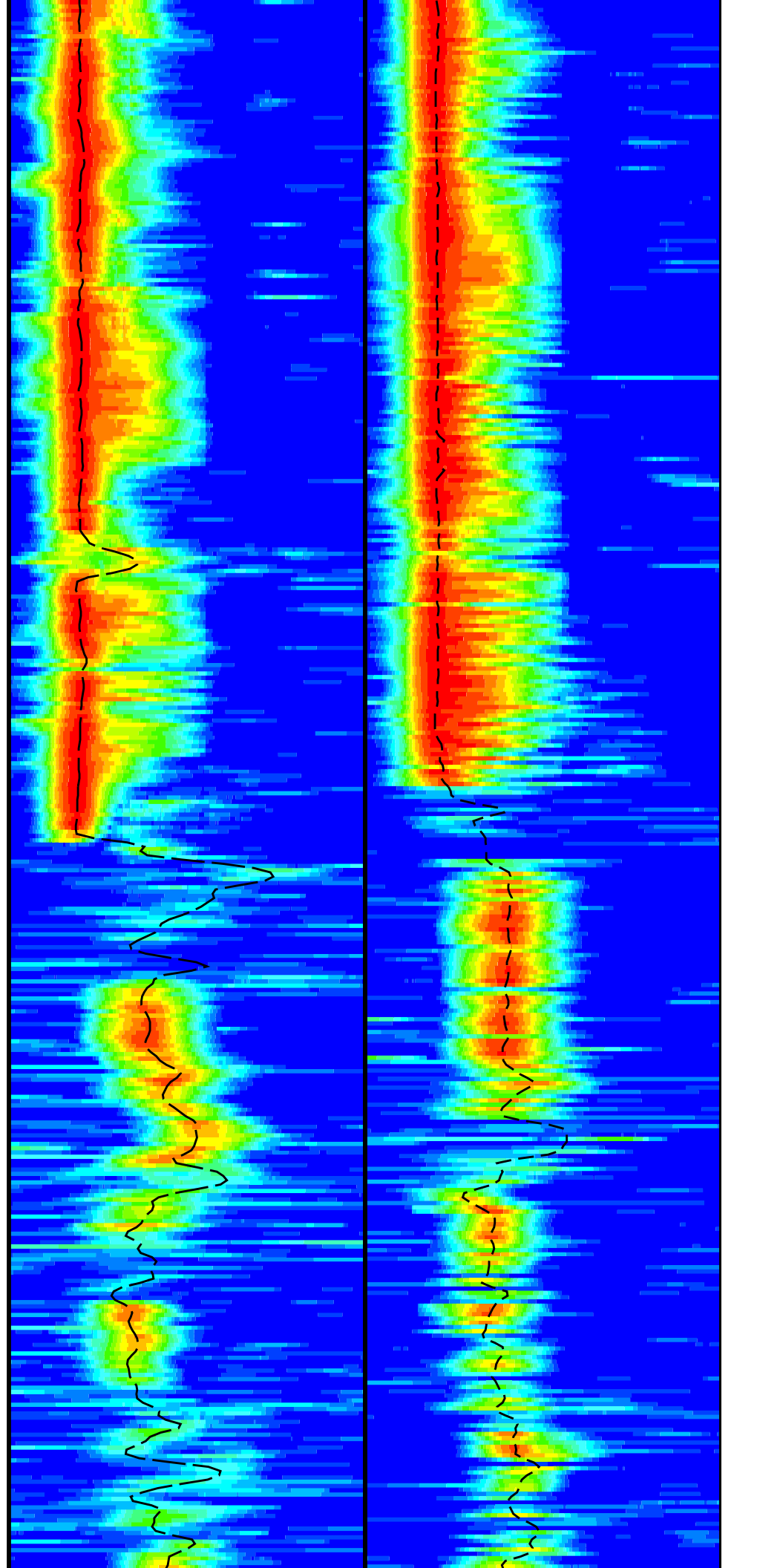
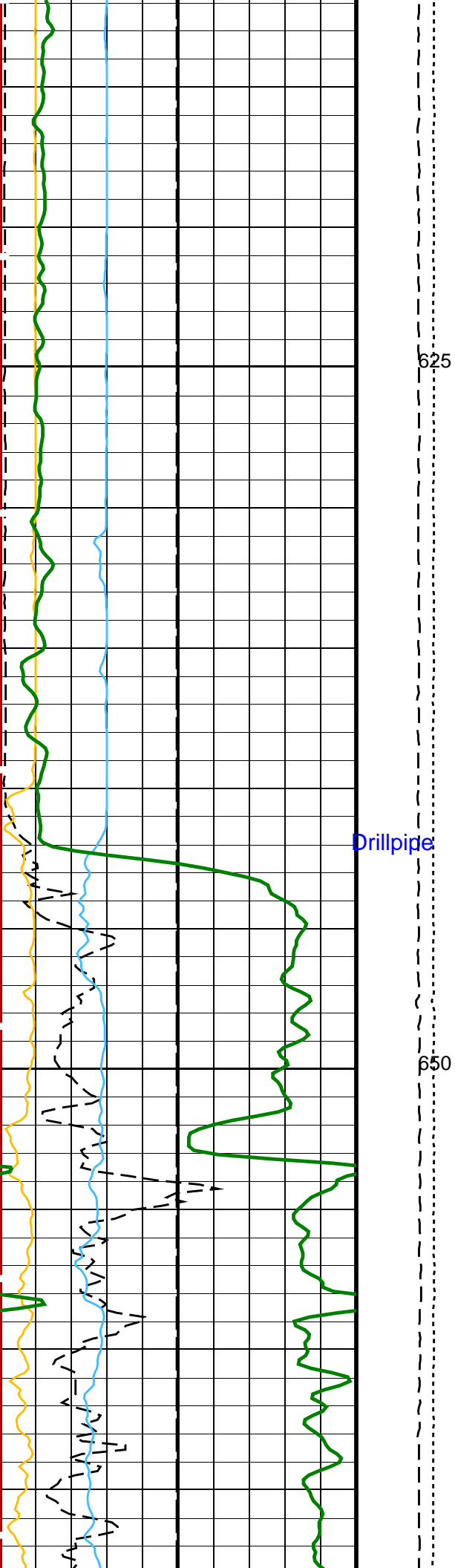
PIP SUMMARY

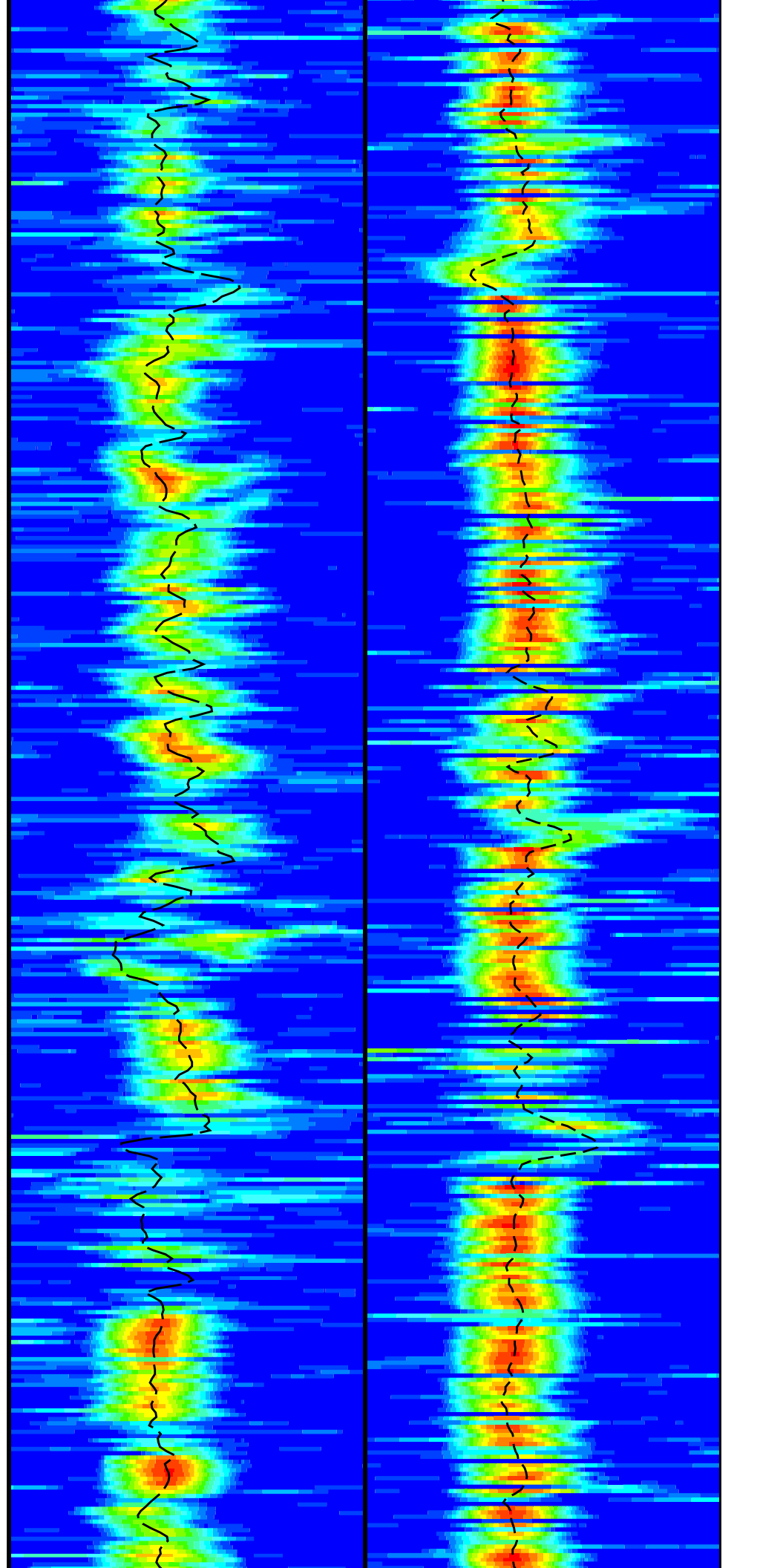
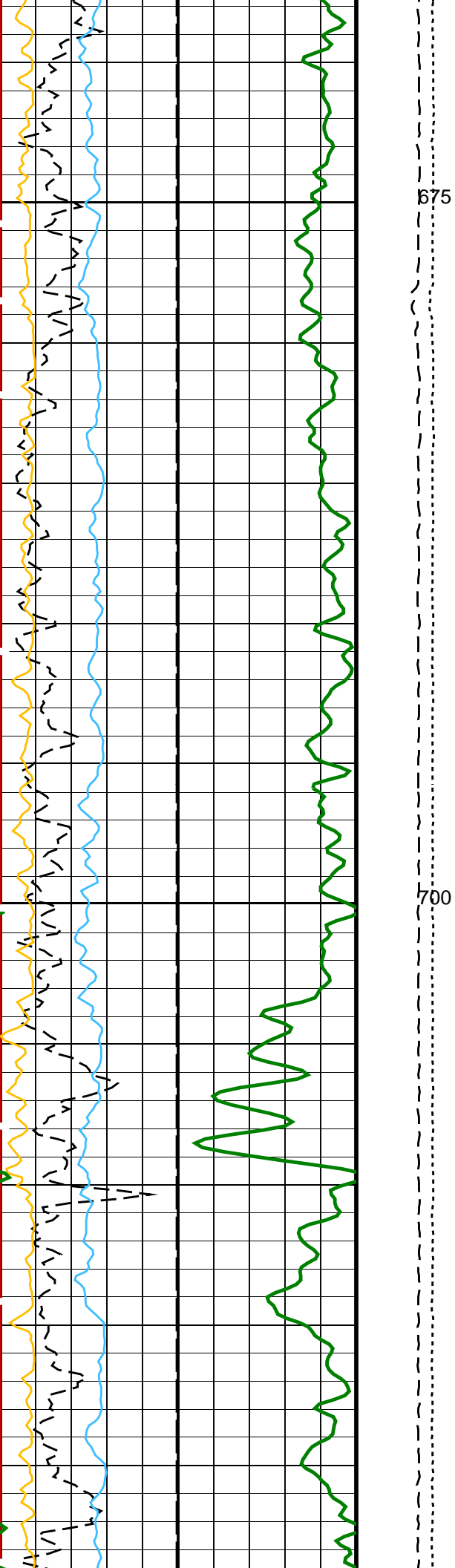
Time Mark Every 60 S		
HNGS Spectroscopy Gamma Ray (HSGR)		
0 (GAPI) 100		
Peak Coherence / TA - Lower Dipole (CHT1)		
-2 (----) 8		
Peak Coherence / RA - Lower Dipole (CHR1)		
0 (----) 10		
Waveform Data Copy Indicator 1 - Lower Dipole (WC11)		
0 (----) 10		

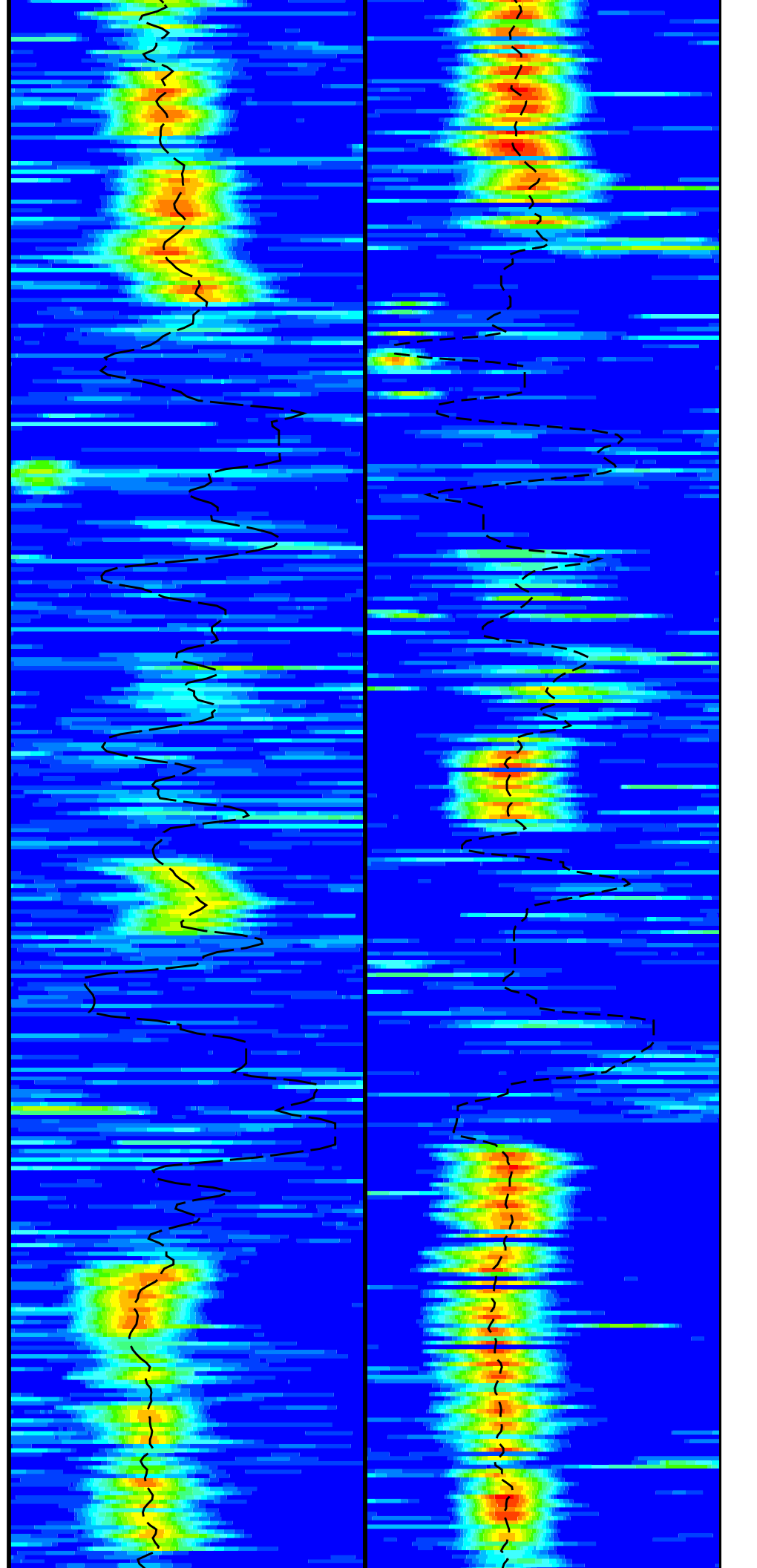
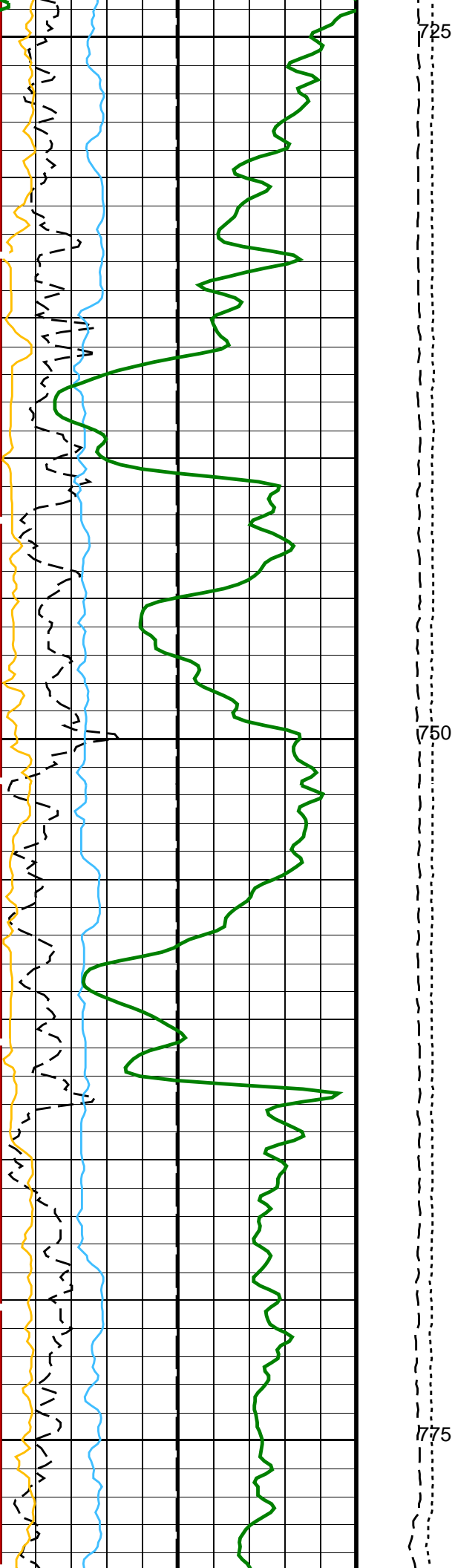
Uplog 2, Main Pass

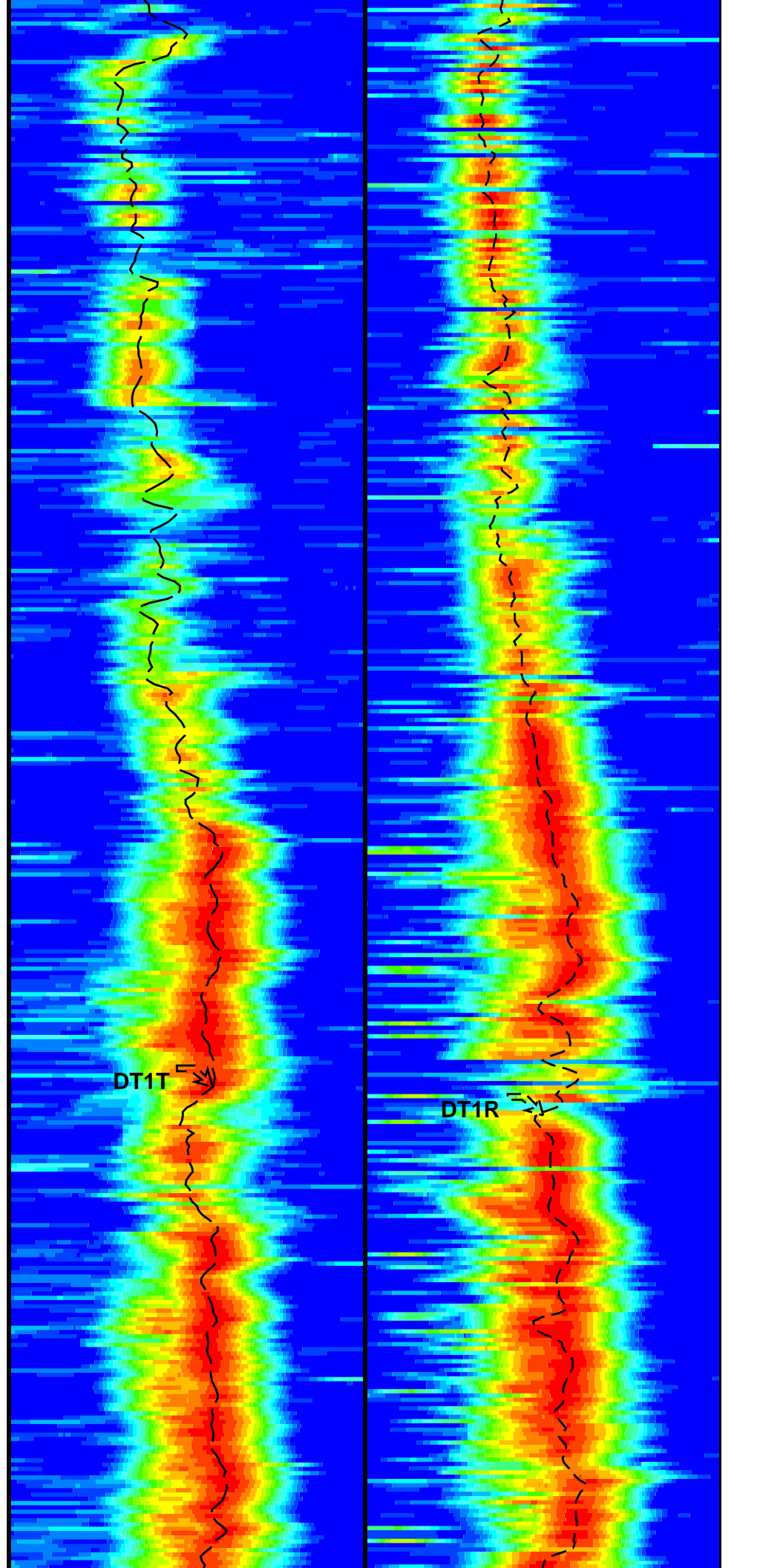
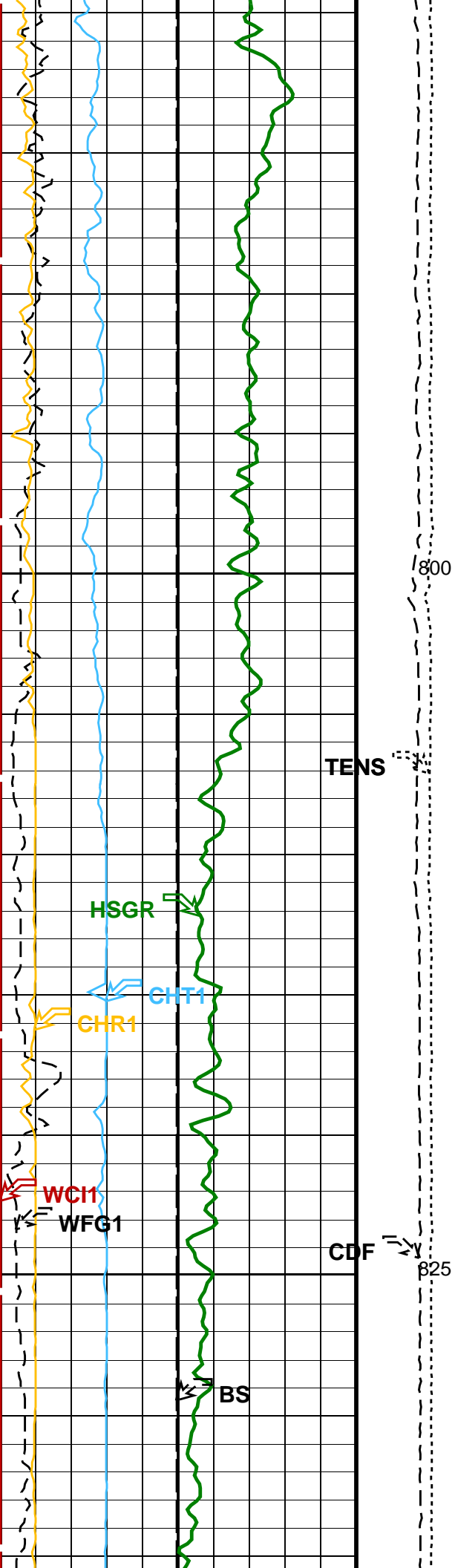


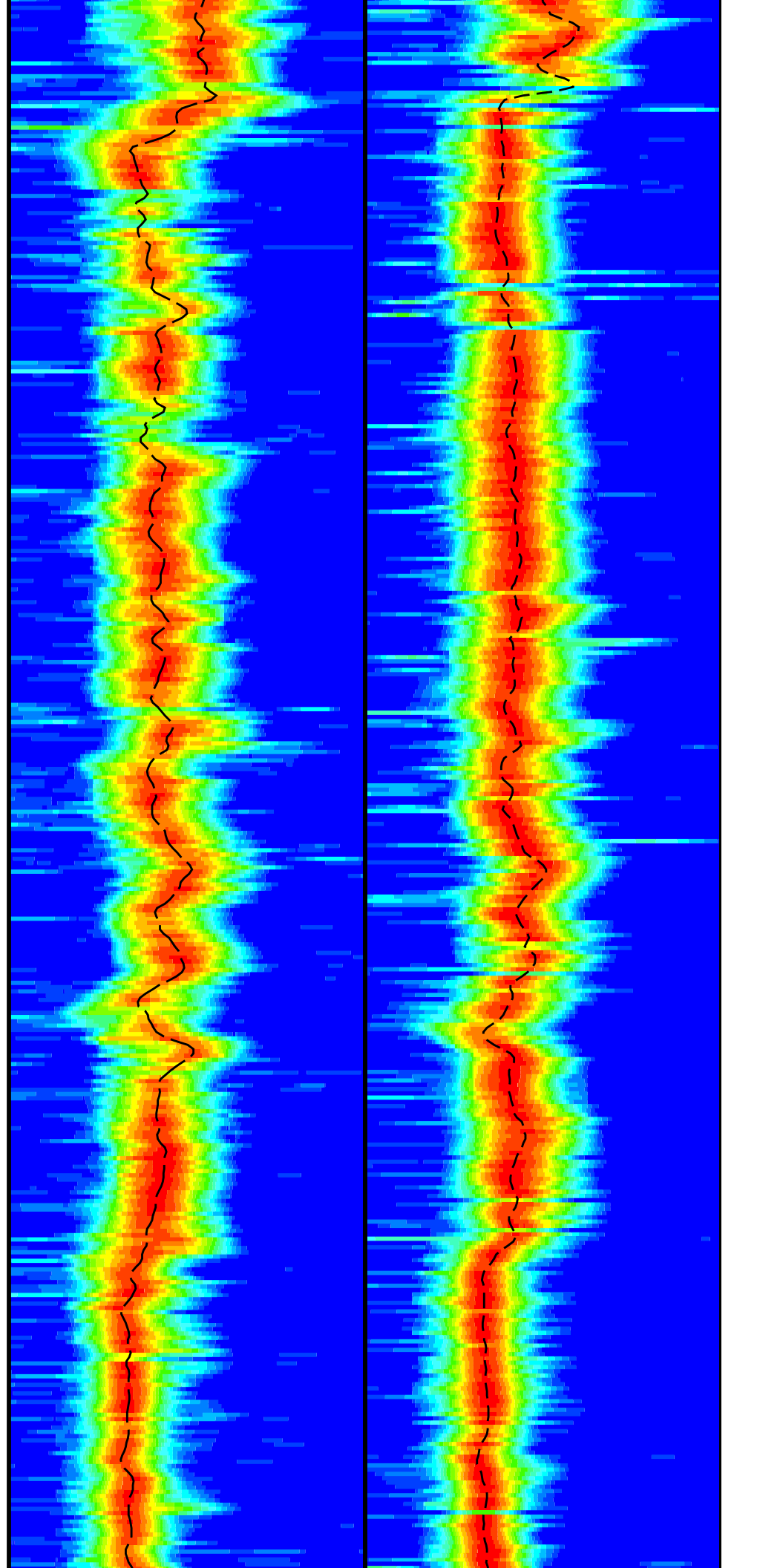
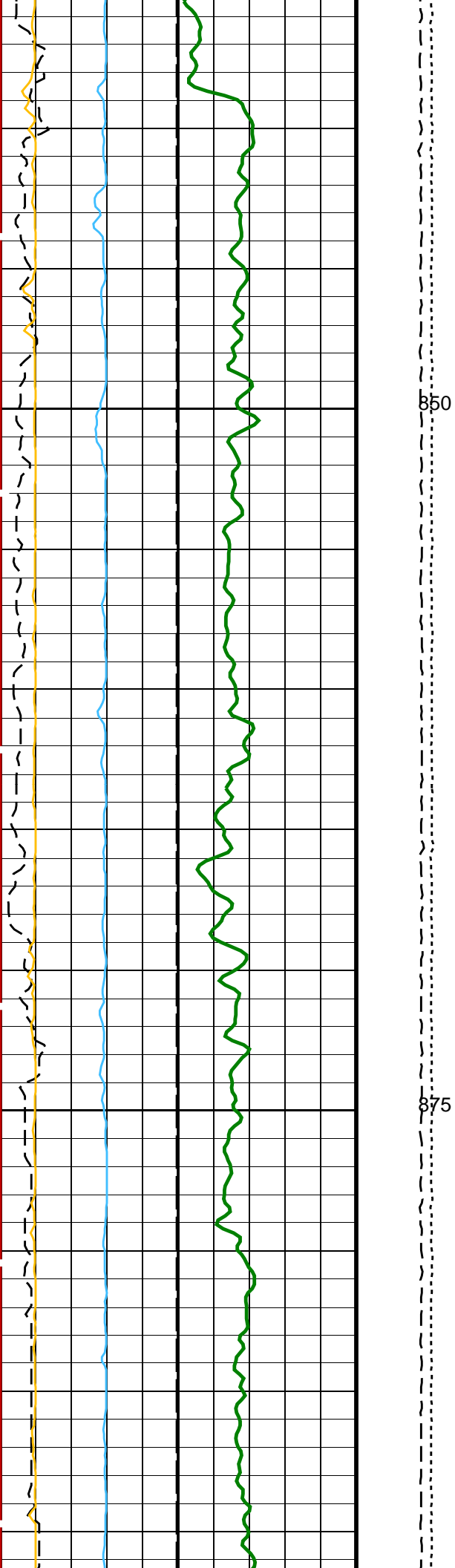


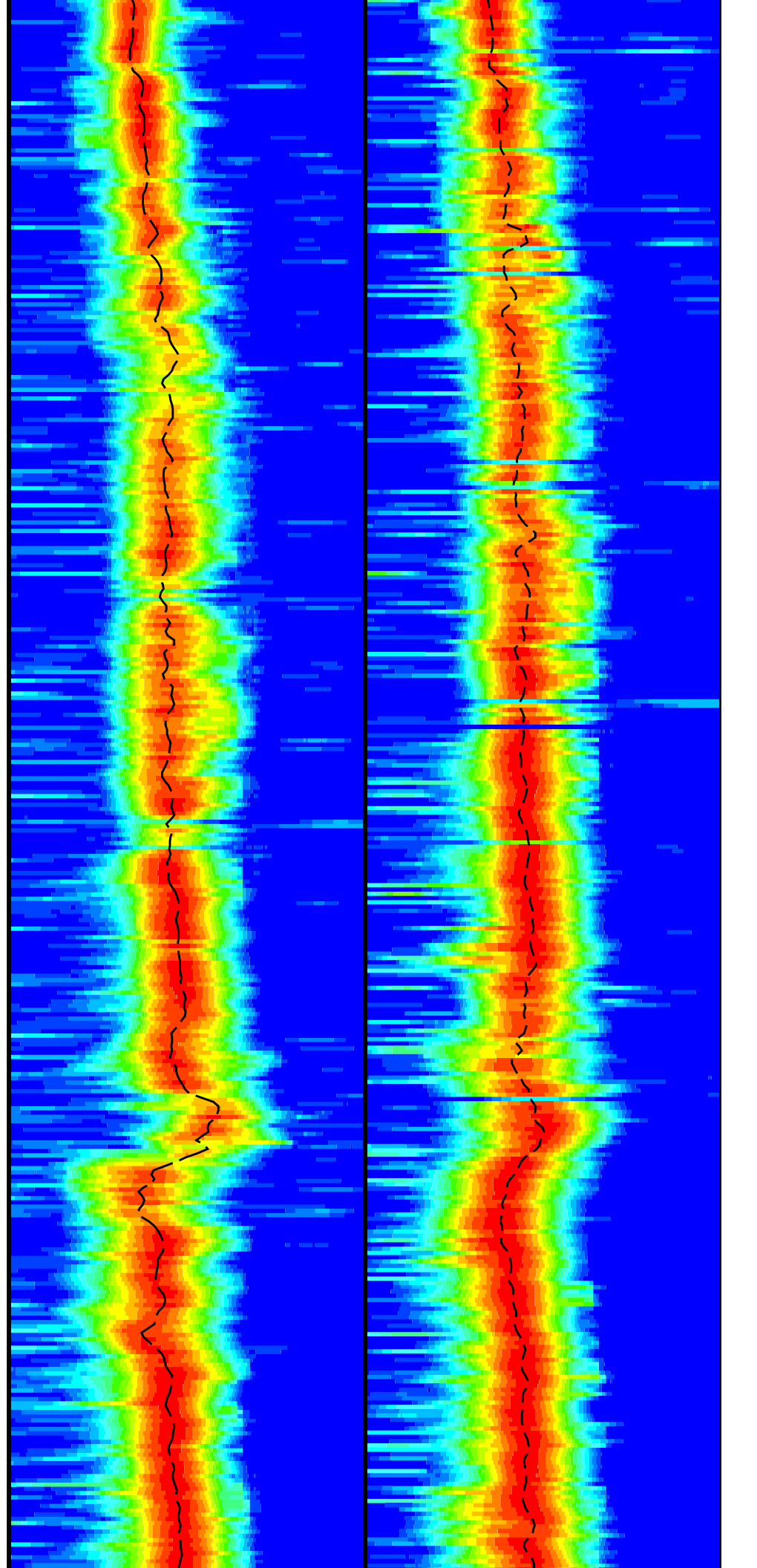
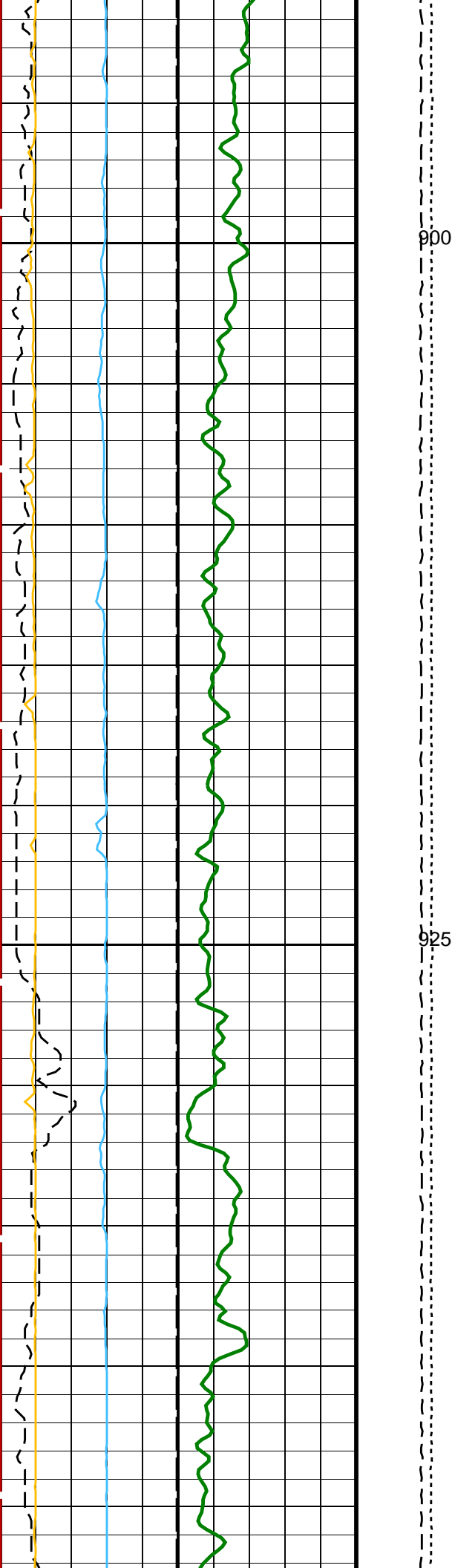


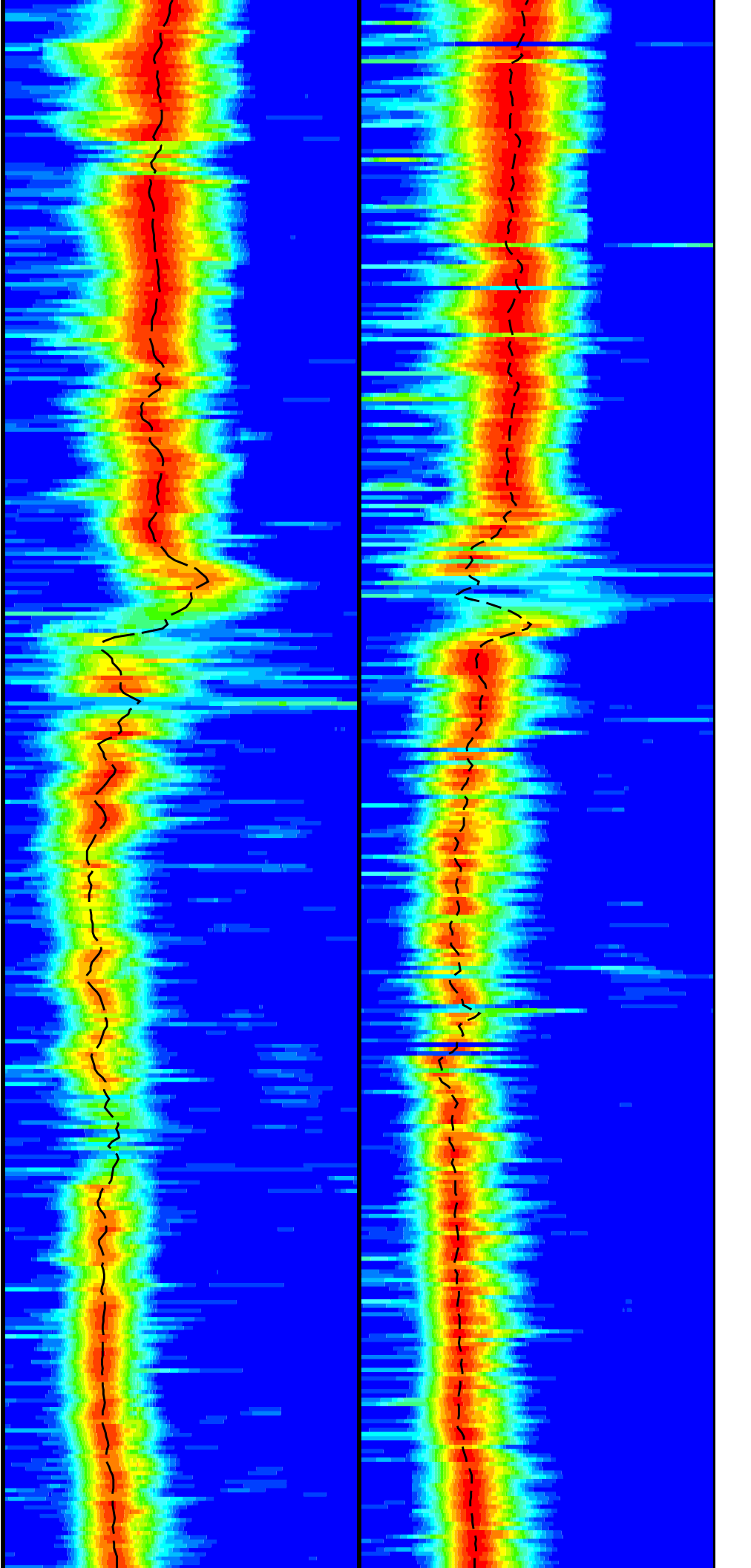
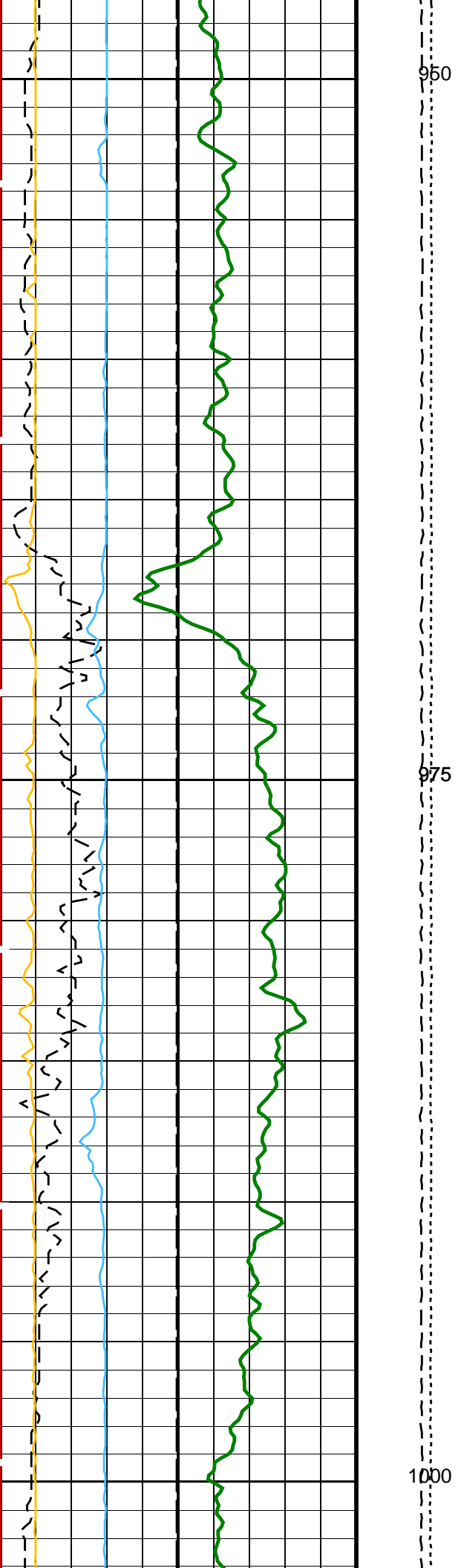


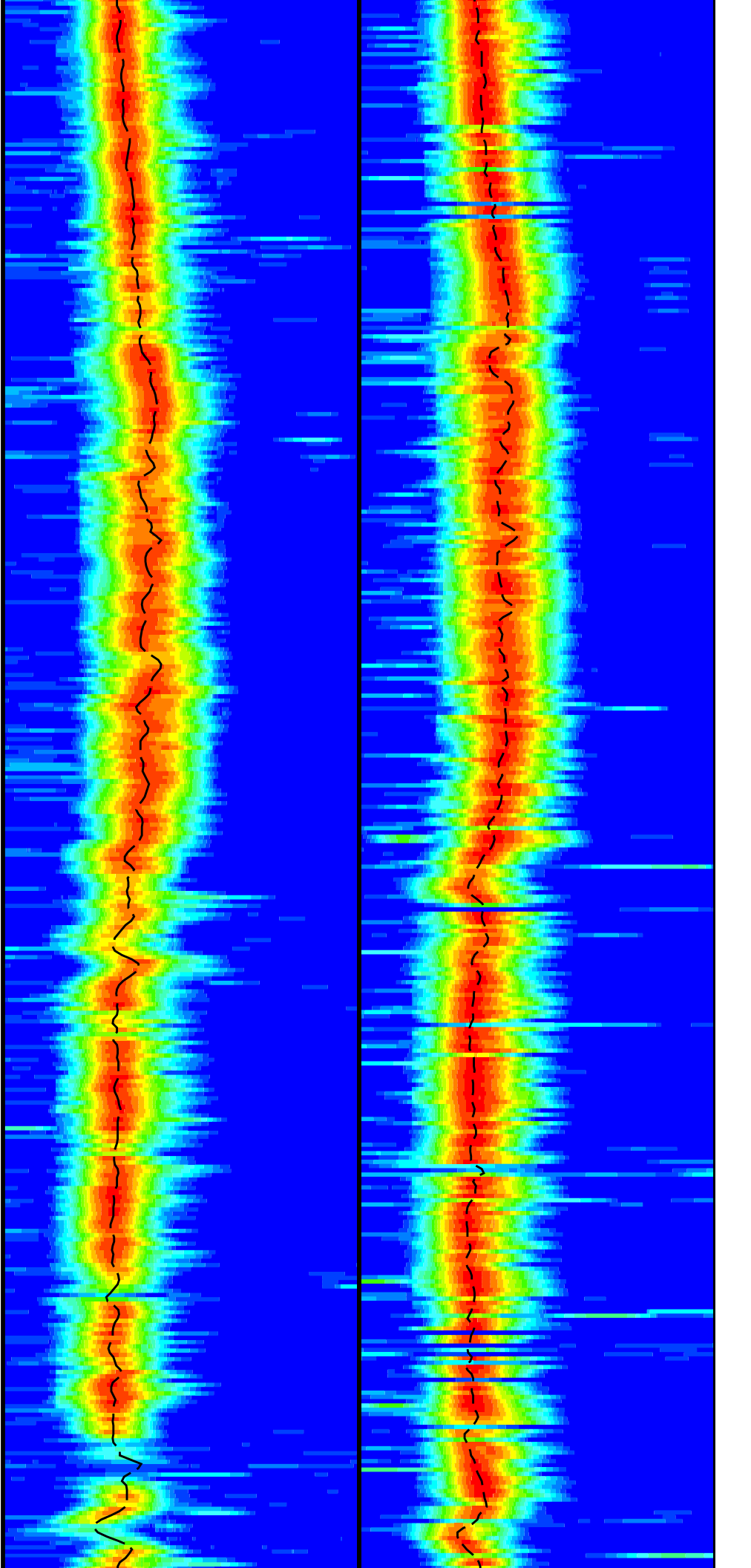
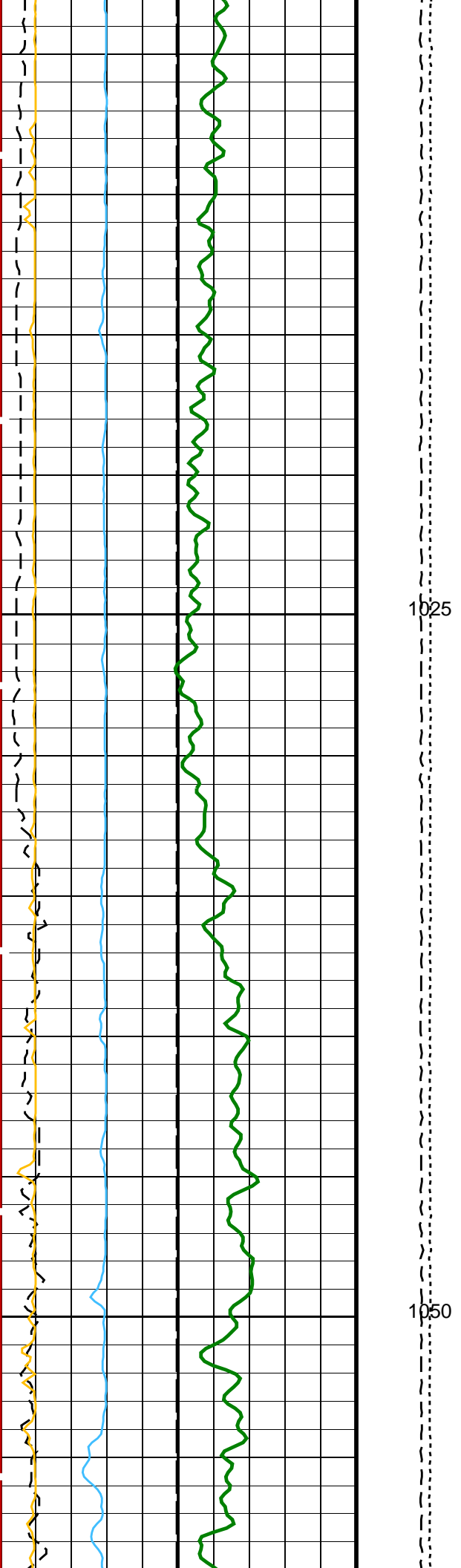


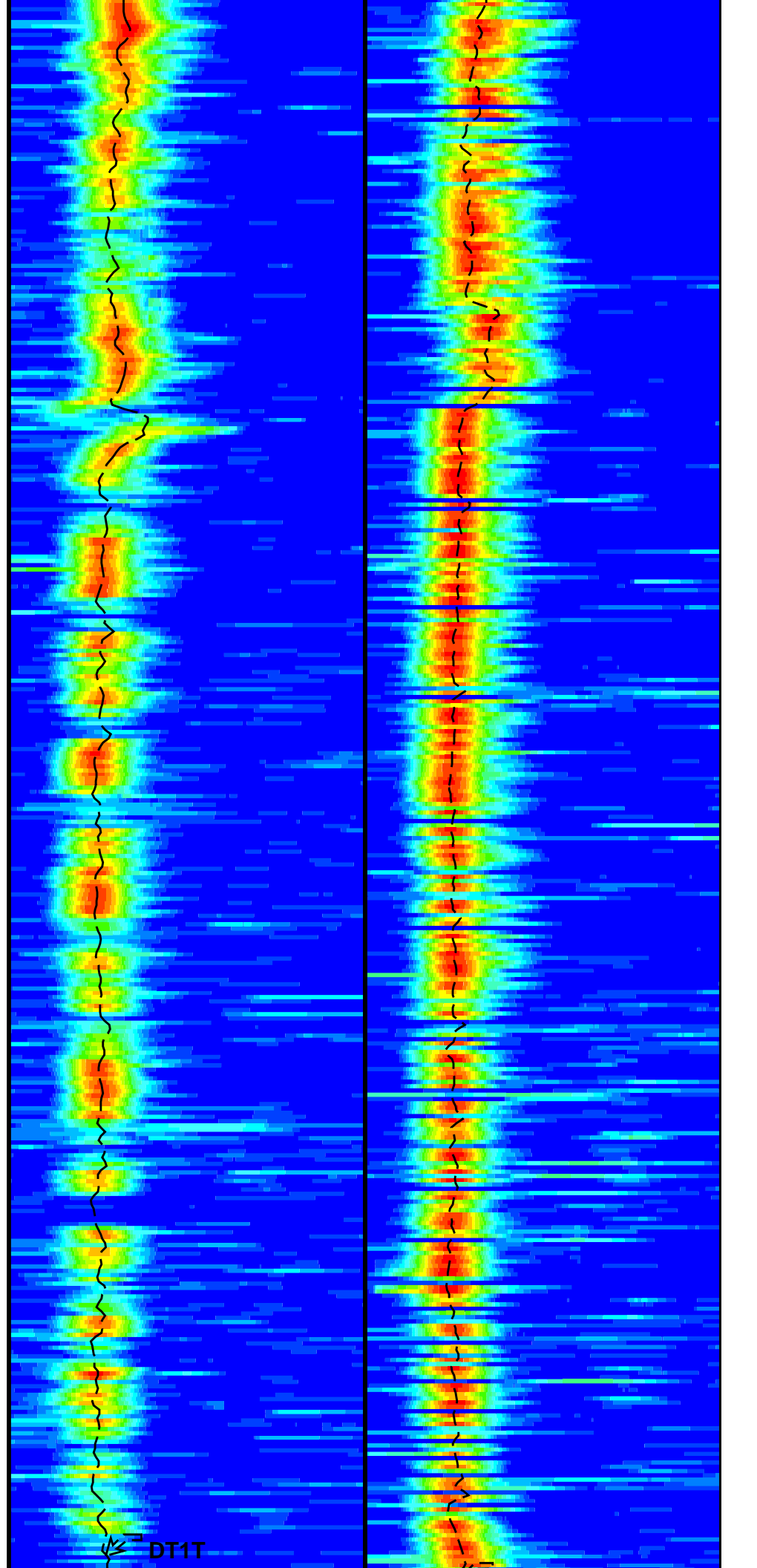
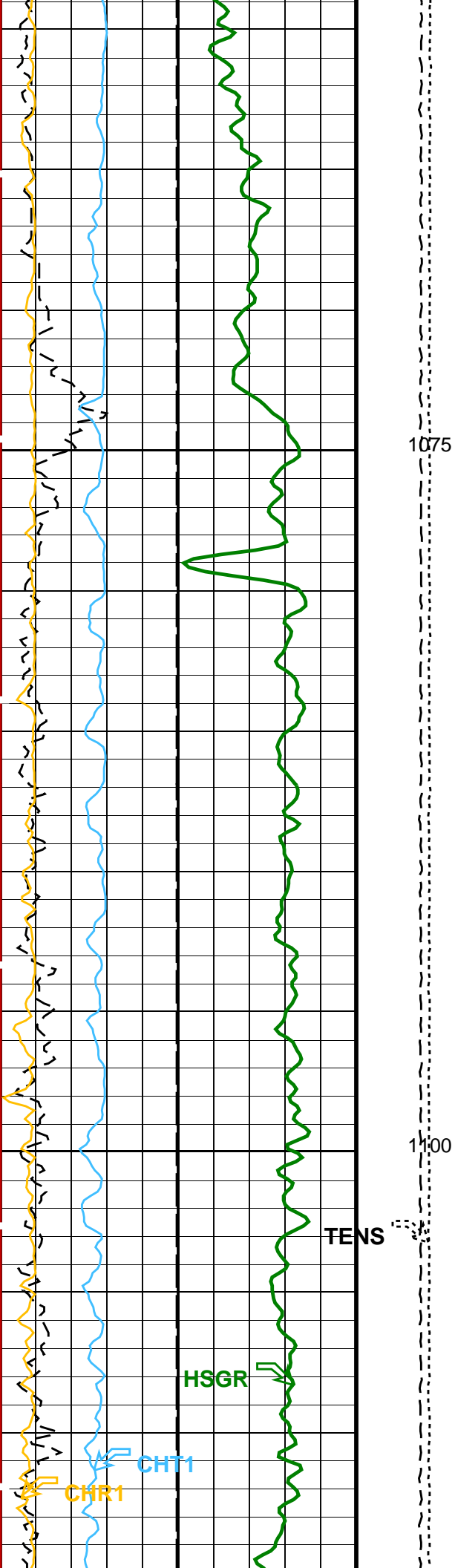


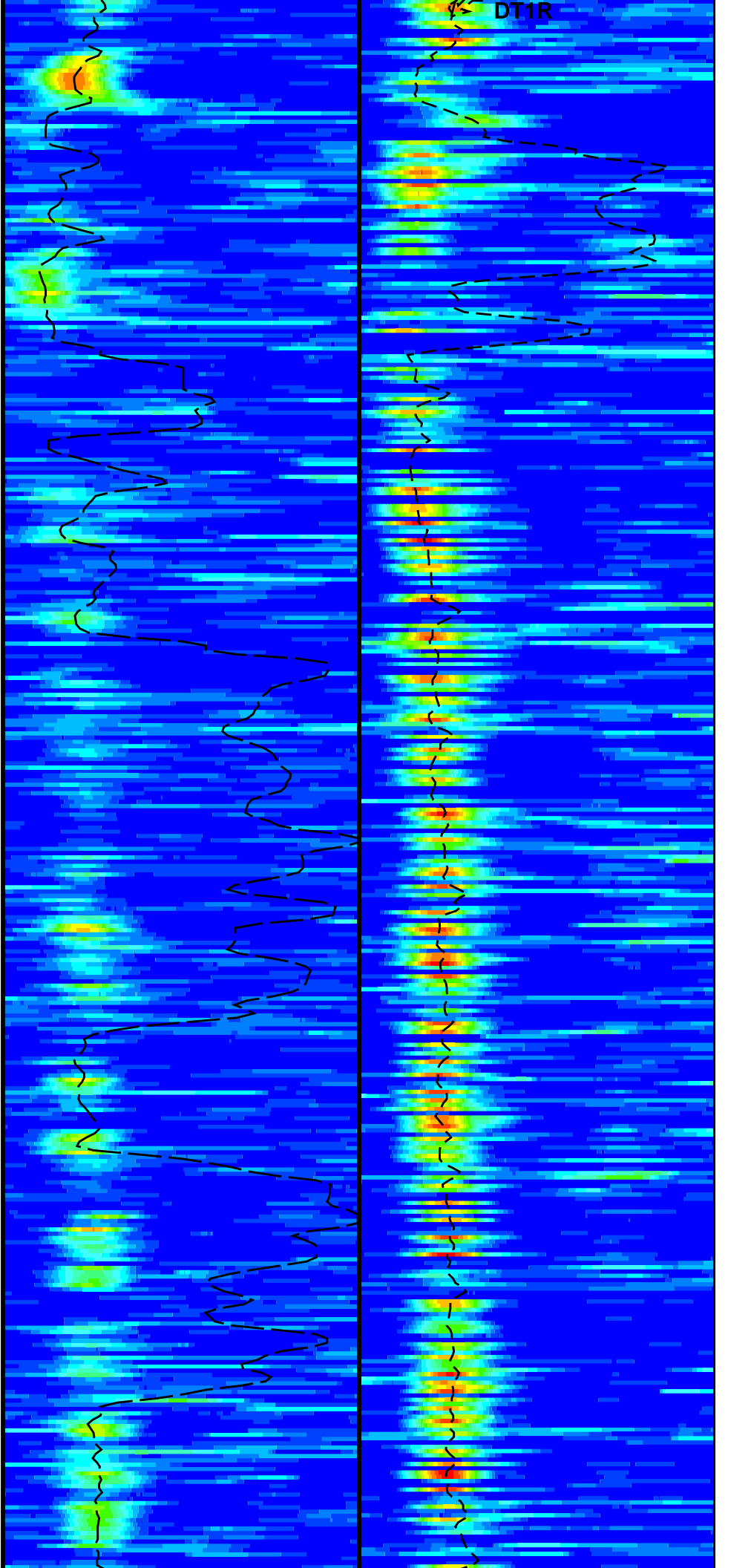
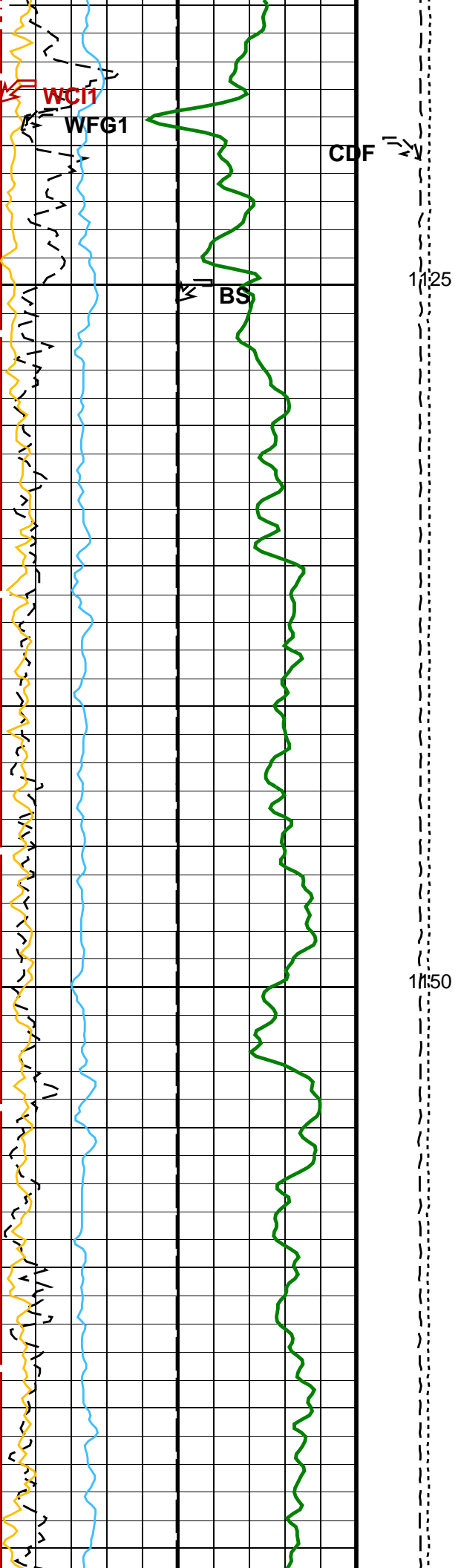


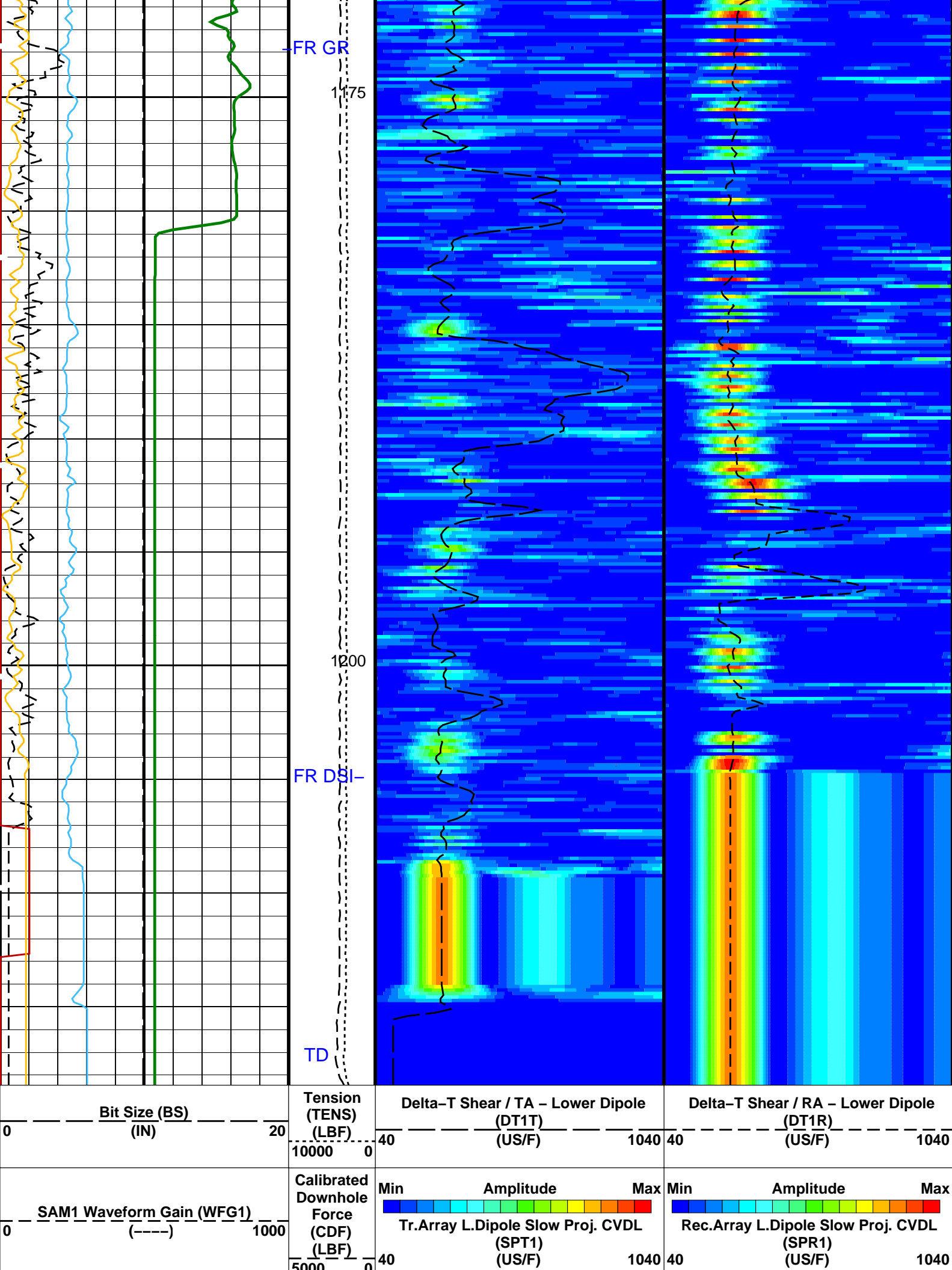












Waveform Data Copy Indicator 1 – Lower Dipole (WC11)		
0	(----)	10
Peak Coherence / RA – Lower Dipole (CHR1)		
0	(----)	10
Peak Coherence / TA – Lower Dipole (CHT1)		
-2	(----)	8
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

Uplong 2 Main Pass

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source – Dipole Shear	USE
DSHL	Label Slowness Lower Limit – Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTC5	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	LCAL
LTXG	Lower Dipole Transmitter Geometry	156 IN
NWI1	Number Waveform Items 1	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS1	STC Sonic Array Status – Lower Dipole	255
SBO1	STC Search Band Offset – Lower Dipole	3000 US
SBW1	STC Search Bandwidth – Lower Dipole	8000 US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE
SFM1	STC Filter – Lower Dipole	B.3–1.5K
SLL1	STC Slowness Lower Limit – Lower Dipole	40 US/F
SST1	STC Slowness Step – Lower Dipole	4 US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1
SUL1	STC Slowness Upper Limit – Lower Dipole	1040 US/F
SWD1	STC Slowness Width – Lower Dipole	40 US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0 US
TLL1	STC Time Lower Limit – Lower Dipole	600 US
TST1	STC Time Step – Lower Dipole	200 US
TUL1	STC Time Upper Limit – Lower Dipole	18960 US
TWD1	STC Time Width – Lower Dipole	2000 US
TWI1	STC Integration Time Window – Lower Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
WFM1	Waveform Mode 1	W1
HRLT-B: High Resolution Laterolog Array – B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00381071	
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	0.967407	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.975765	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 22:03

OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files						
DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
Output DLIS Files						
DEFAULT	MSS_LDEO_DSI_HRLA_042PUP	FN:58	PRODUCER	28-Jan-2018 22:03		

Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files						
DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
Output DLIS Files						
DEFAULT	MSS_LDEO_DSI_HRLA_042PUP	FN:58	PRODUCER	28-Jan-2018 22:03	1218.4 M	560.2 M

OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

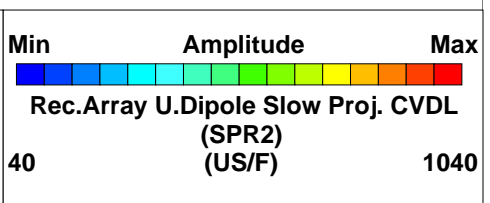
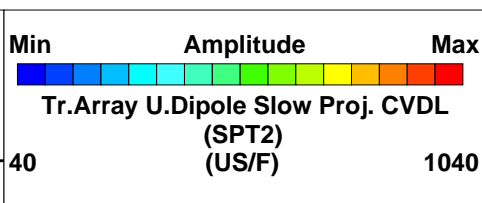
Time Mark Every 60 S		
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		

0 (----) 10
Waveform Data Copy Indicator 2 – Upper Dipole (WC12)
 0 (----) 10

Uplong 2 Main Pass

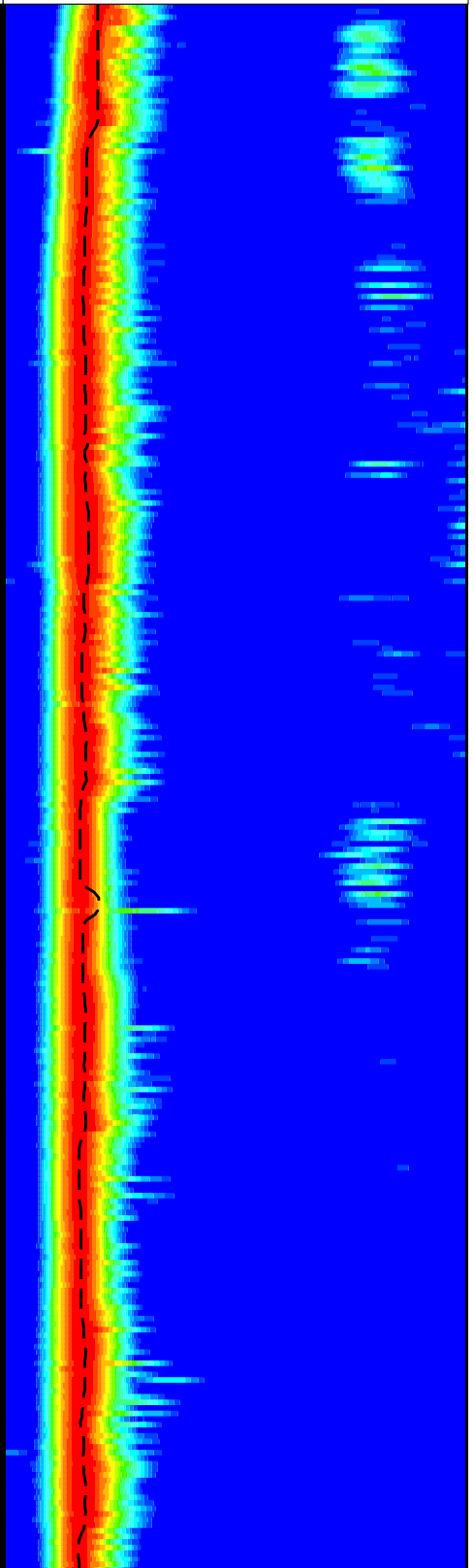
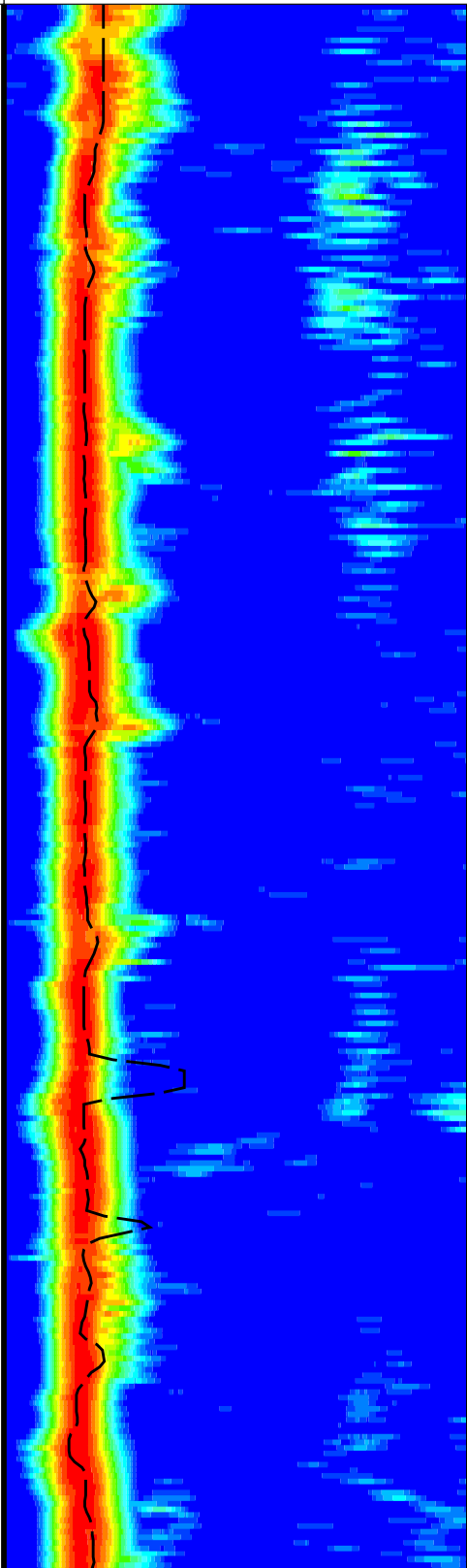
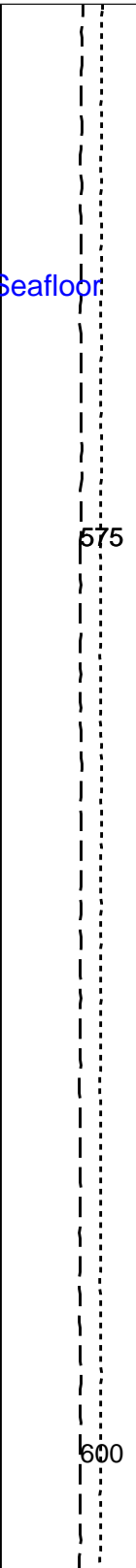
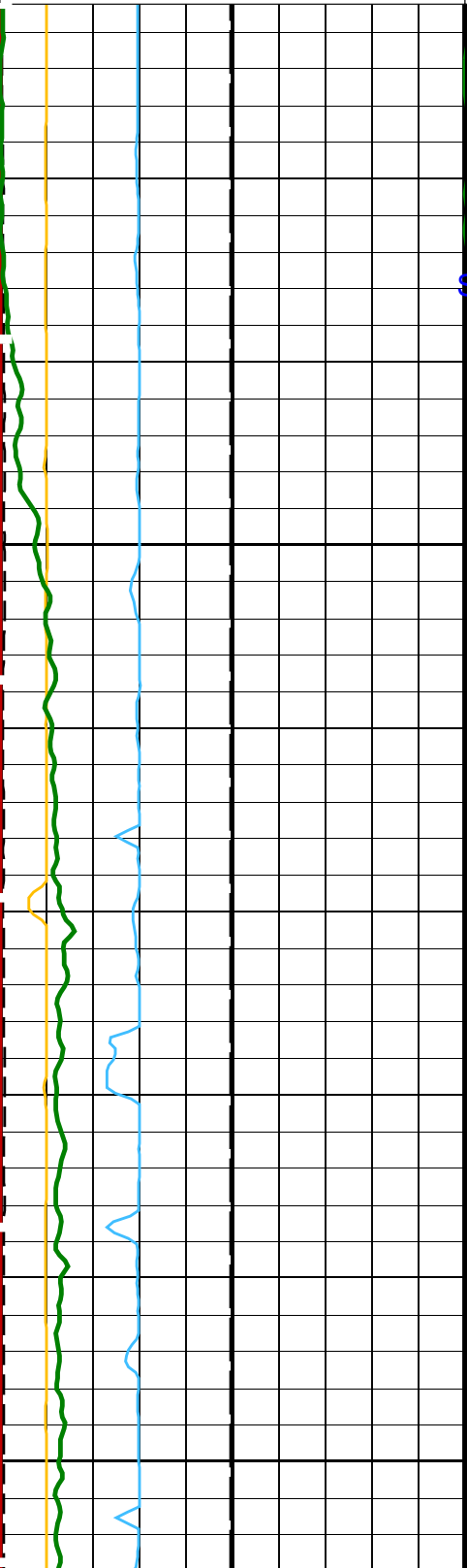
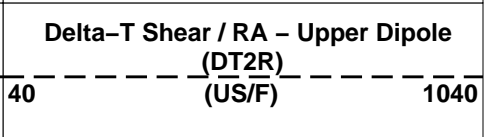
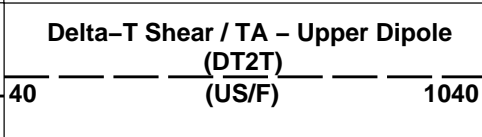
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Calibrated Downhole Force (CDF) (LBF)
 5000 0



0 Bit Size (BS) (IN) 20

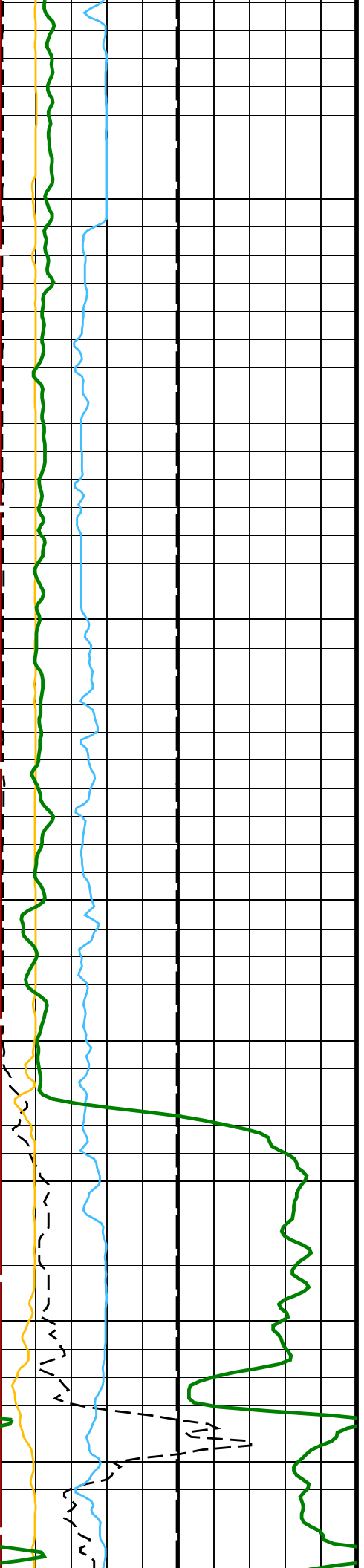
Tension (TENS) (LBF)
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Seafloor

575

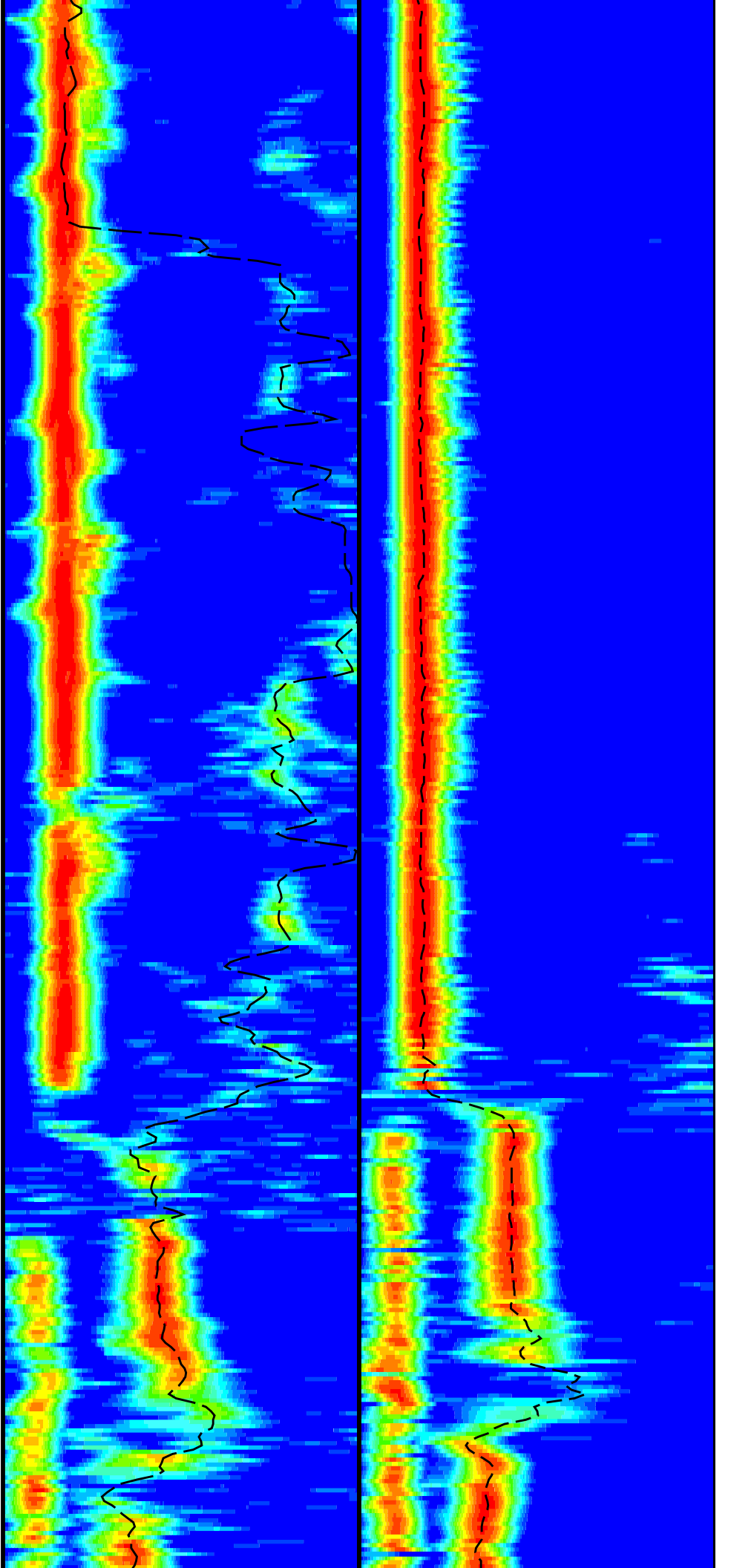
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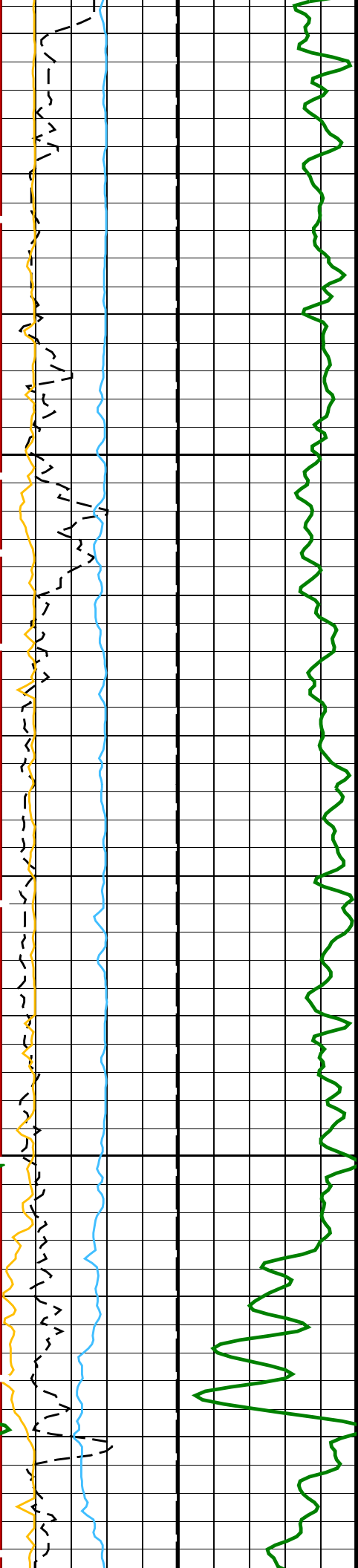


625

Drillpipe

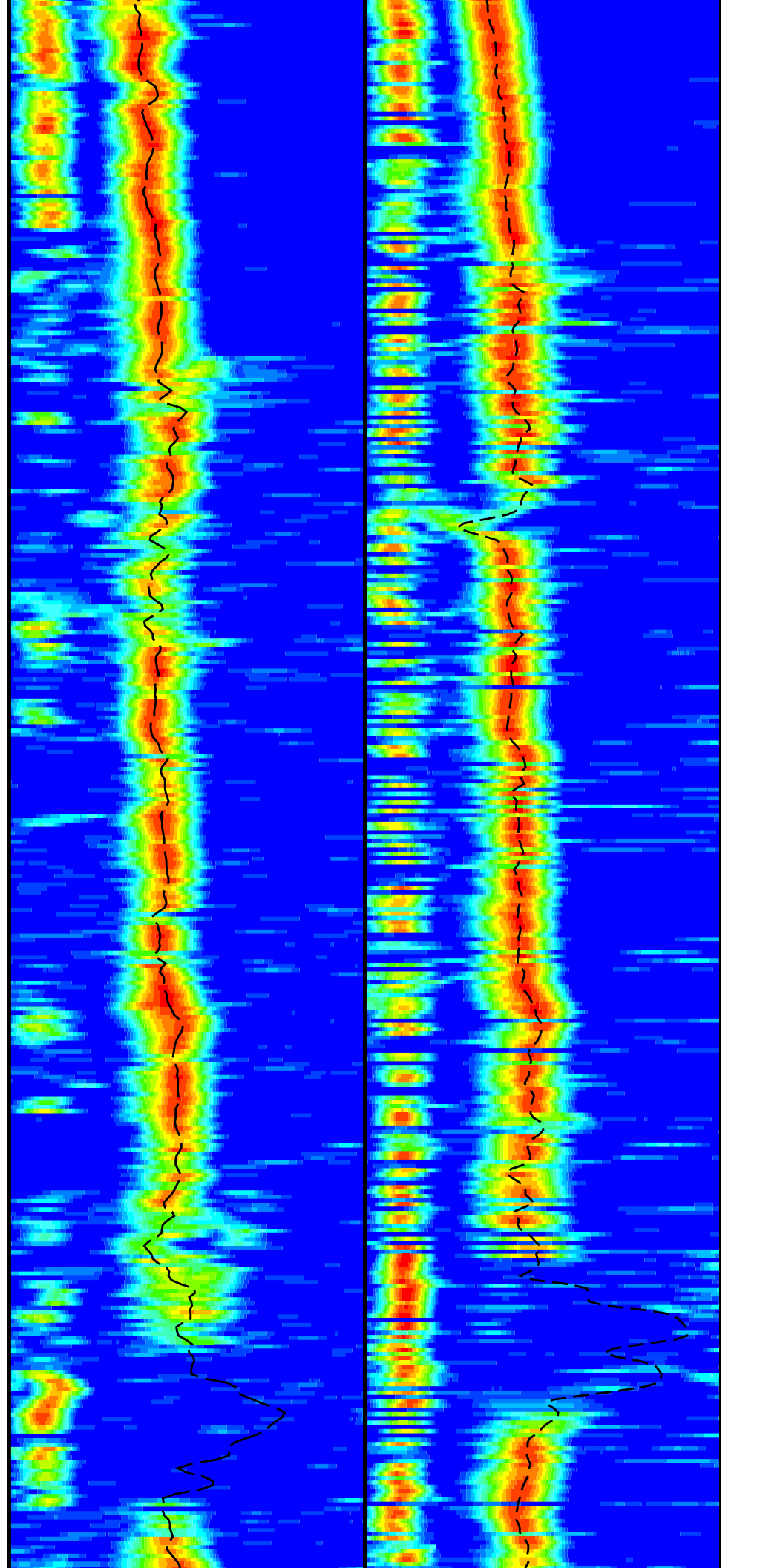
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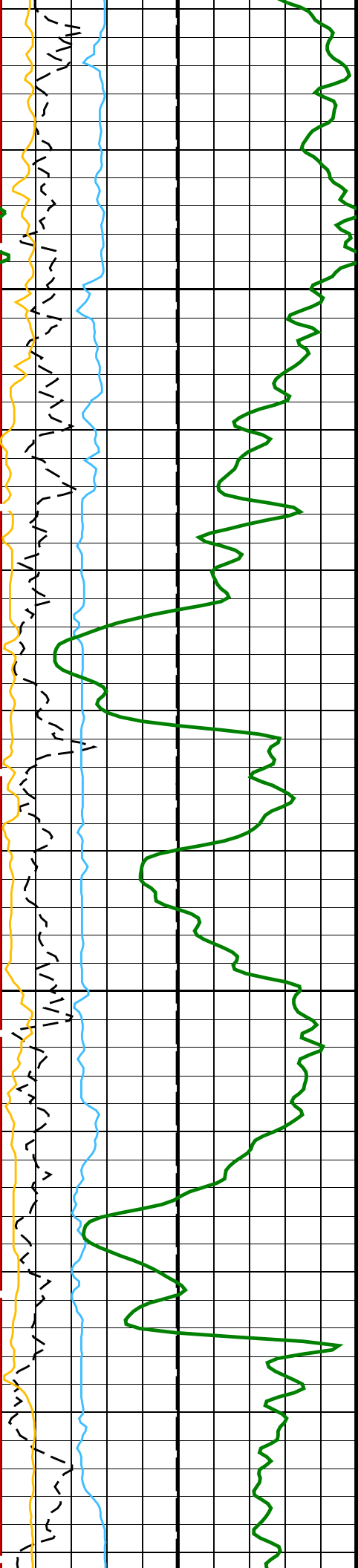




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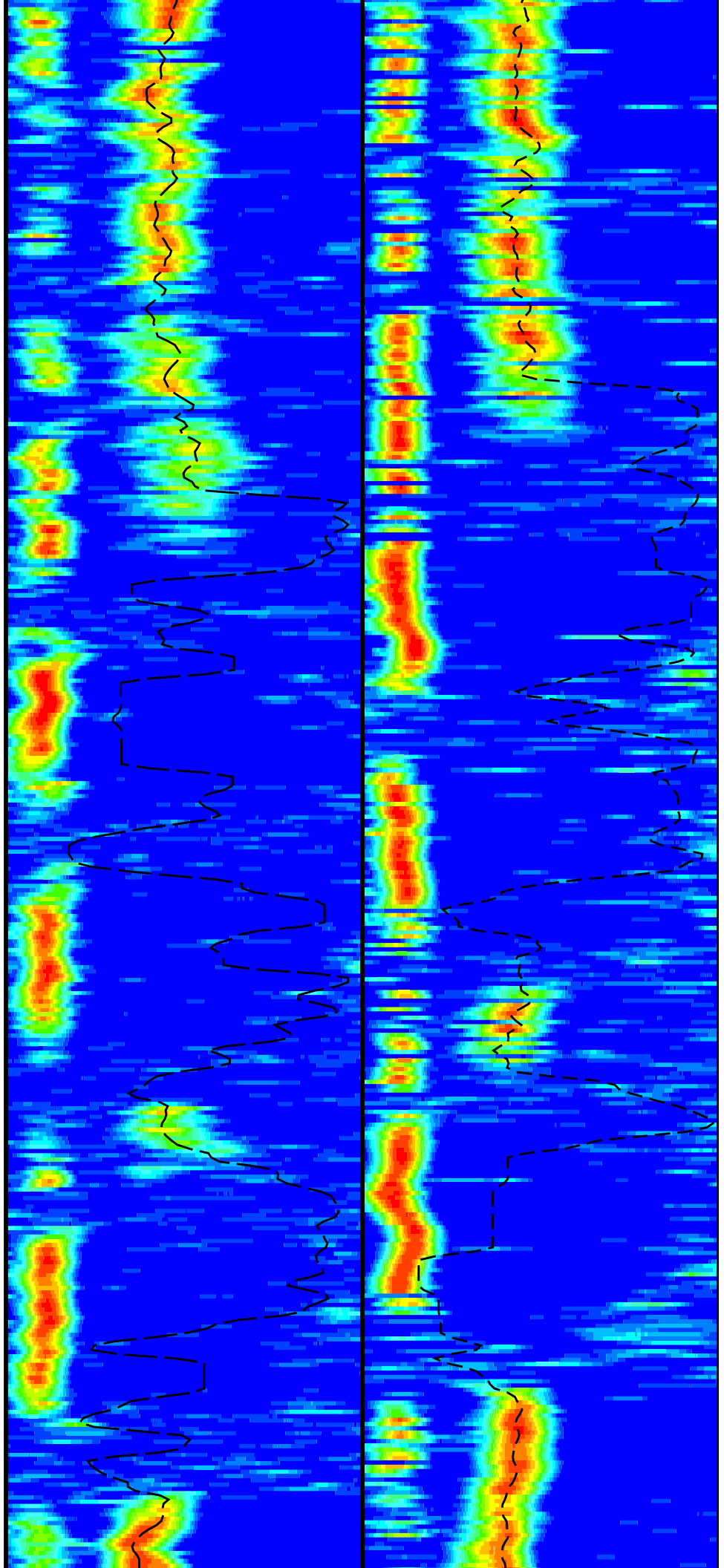
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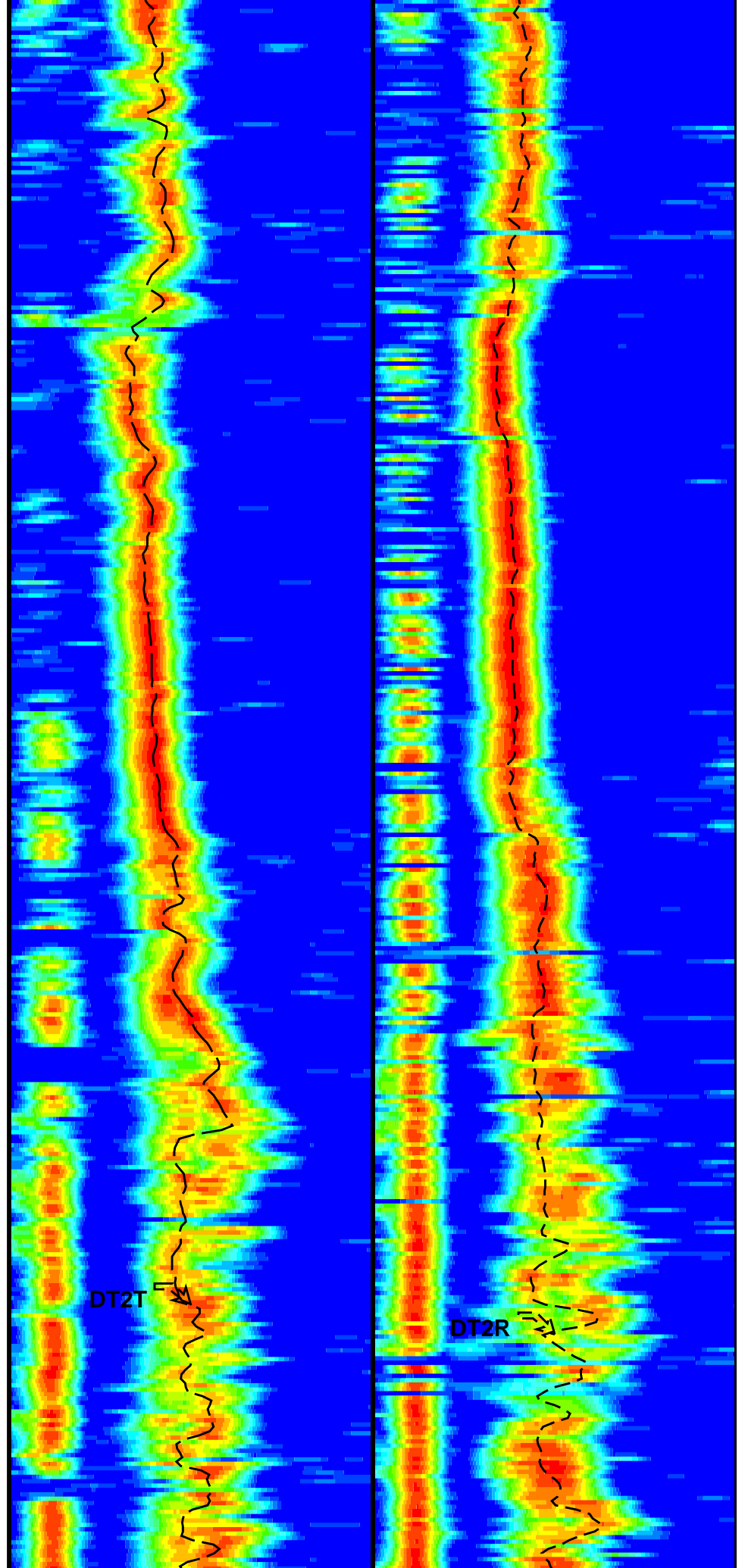
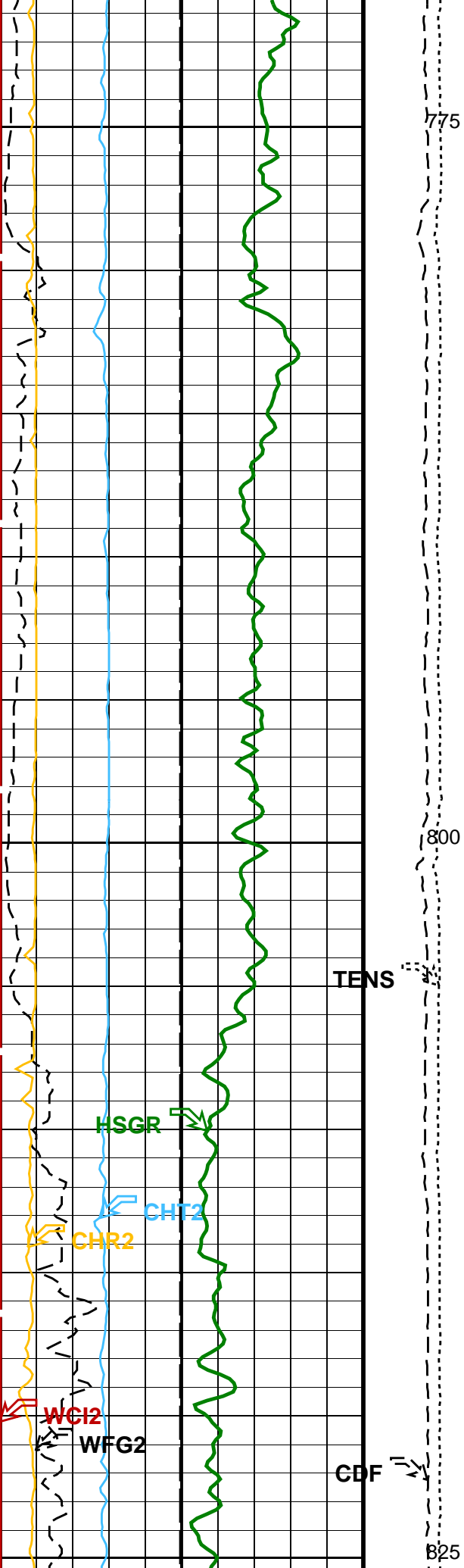


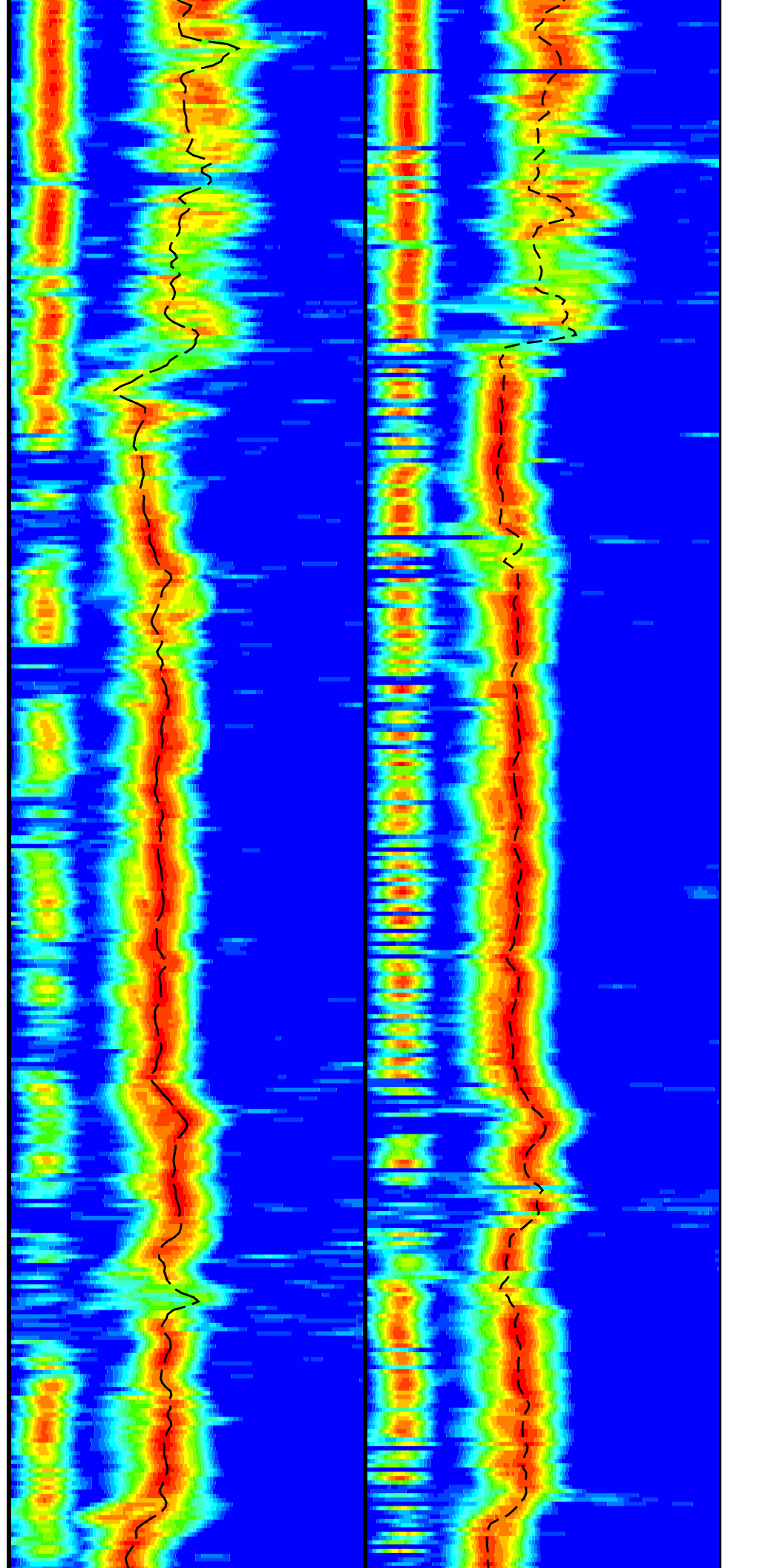
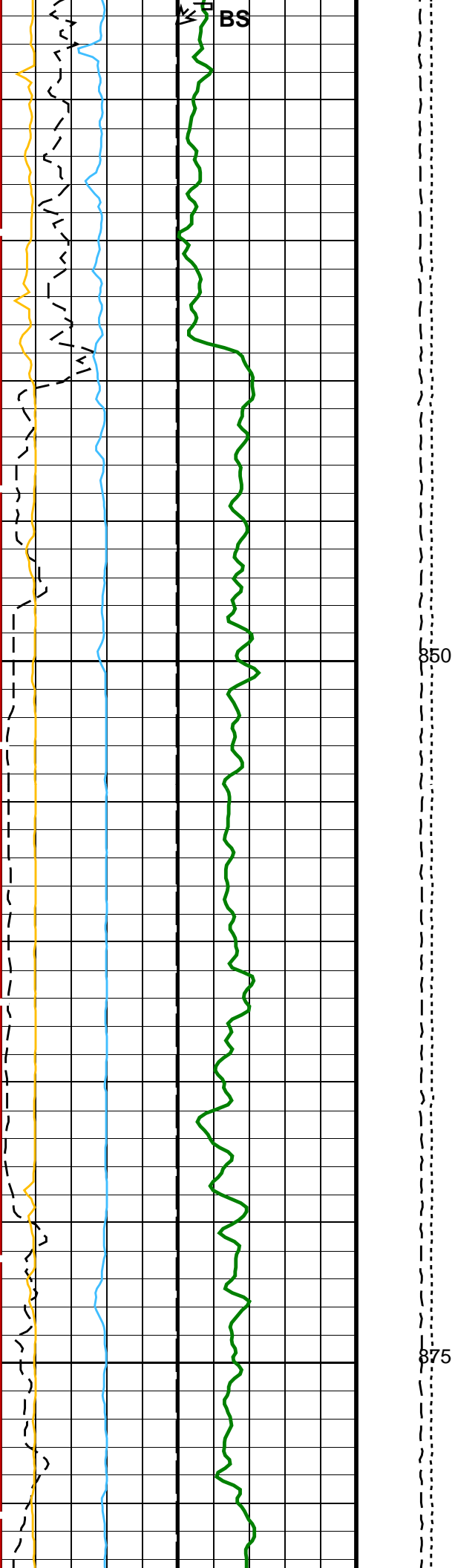


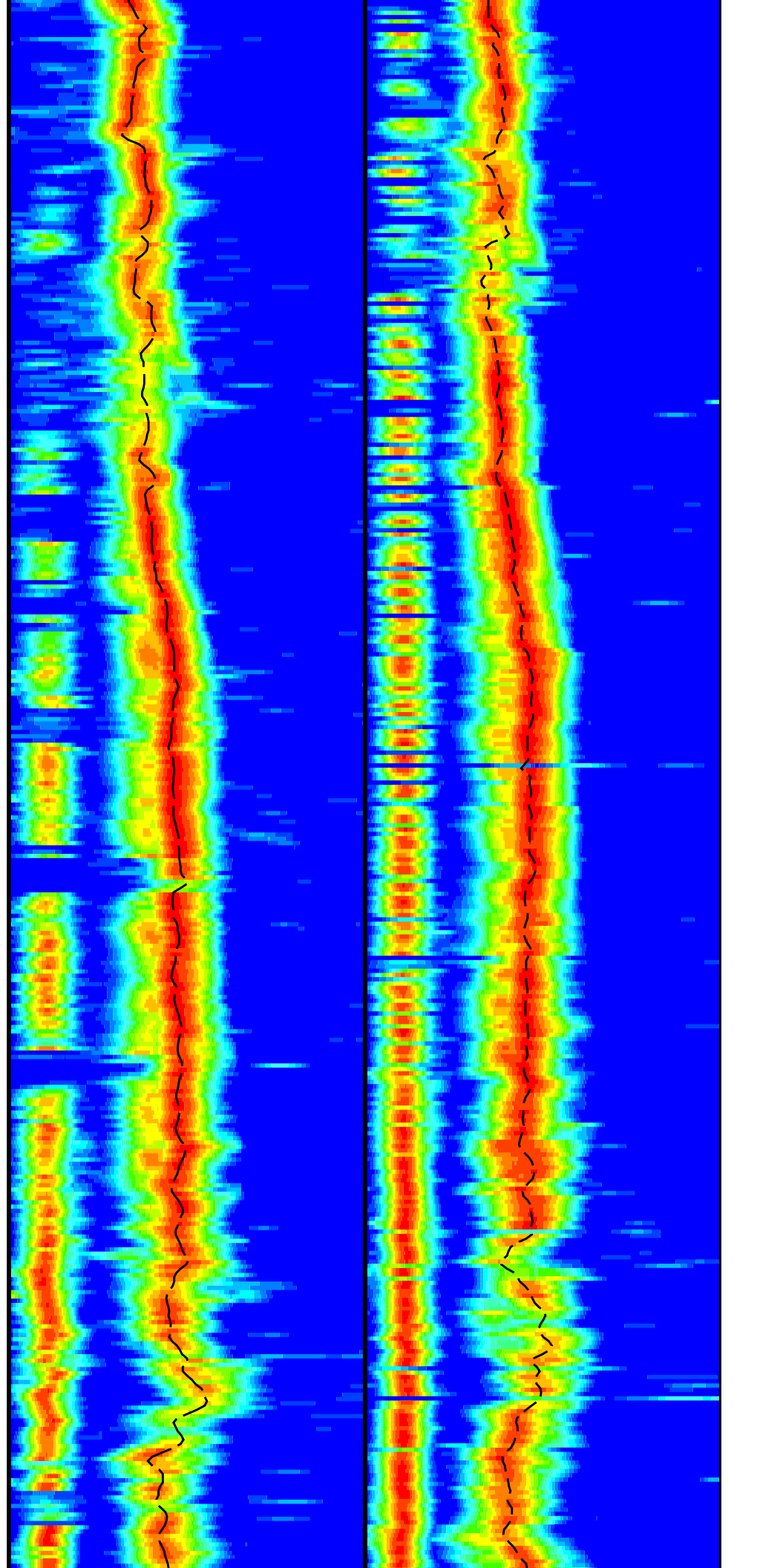
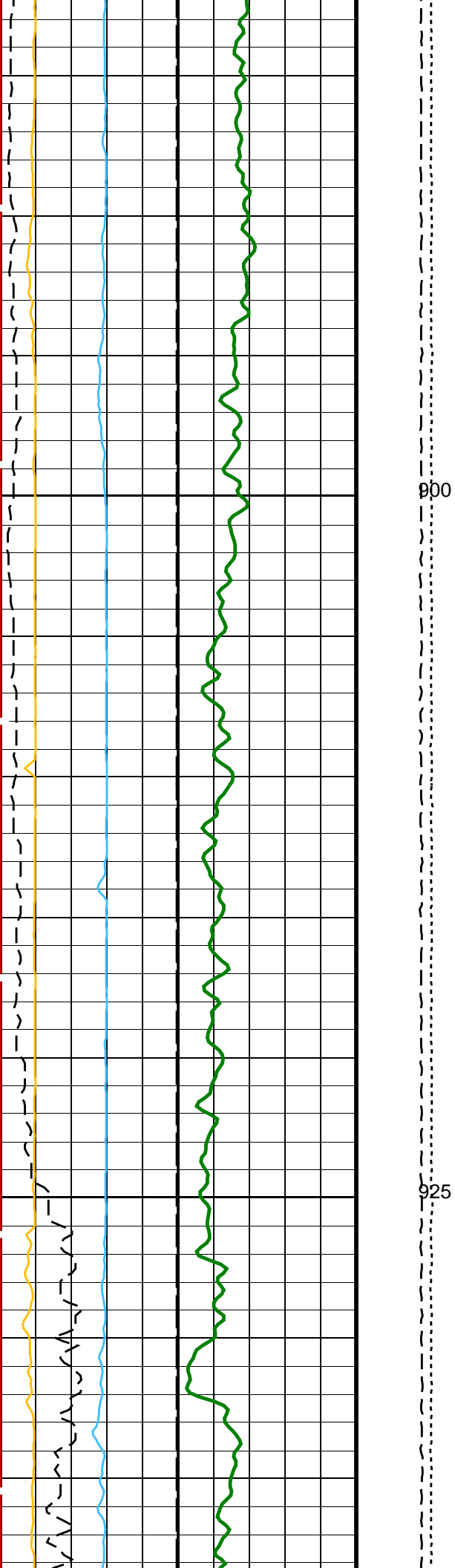
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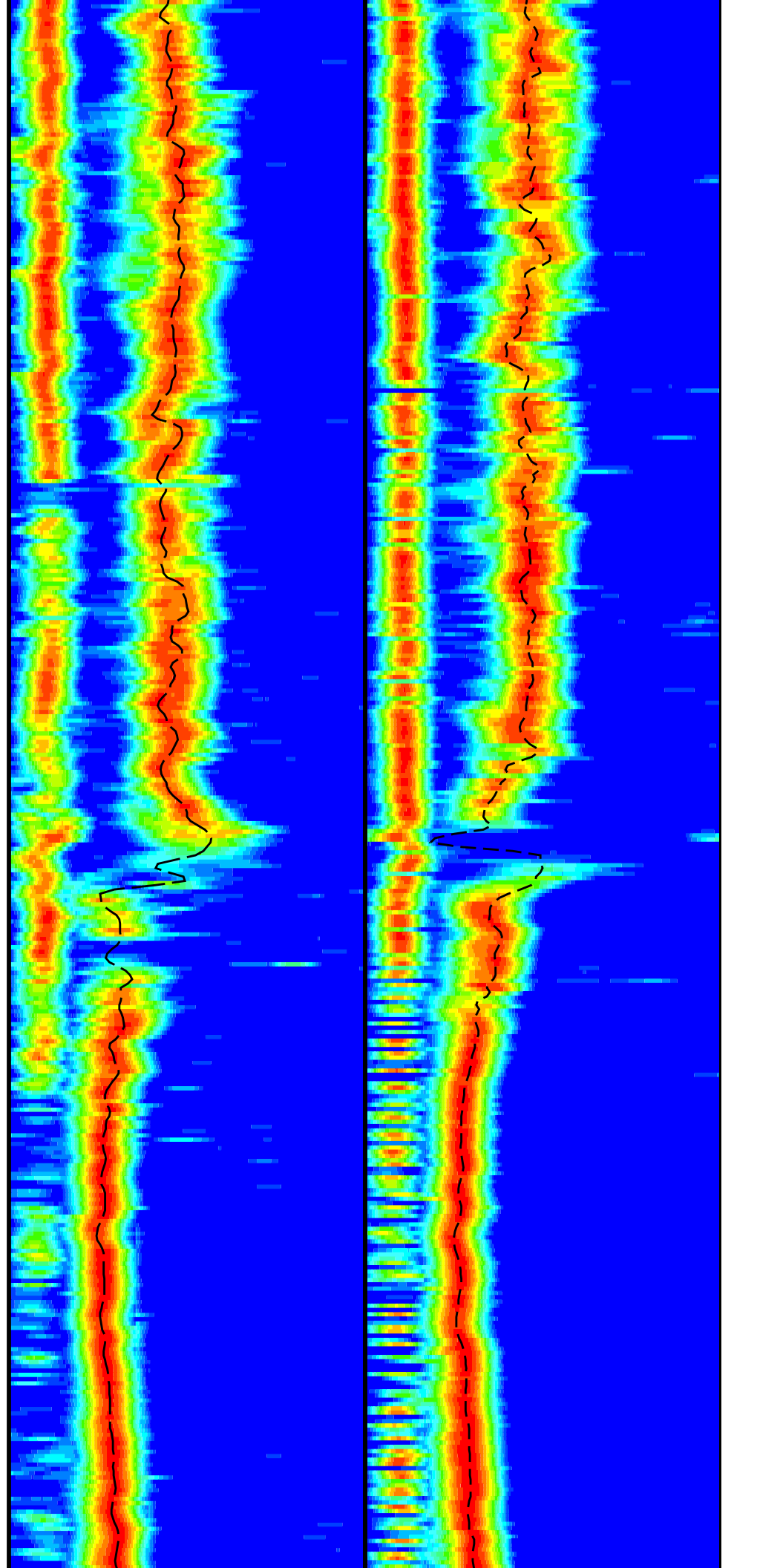
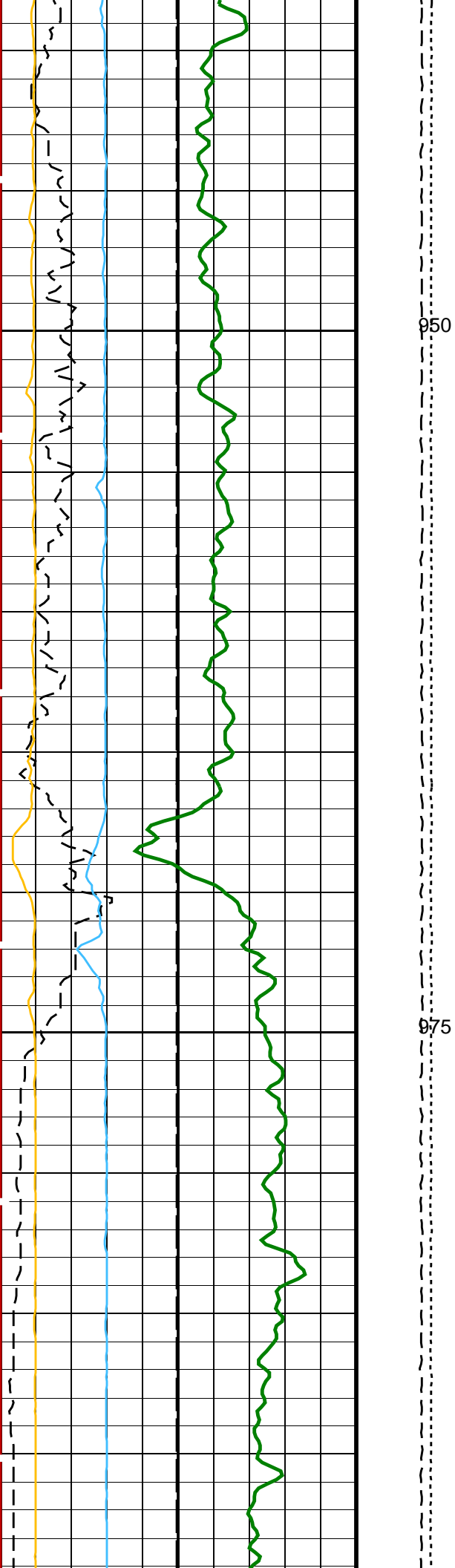
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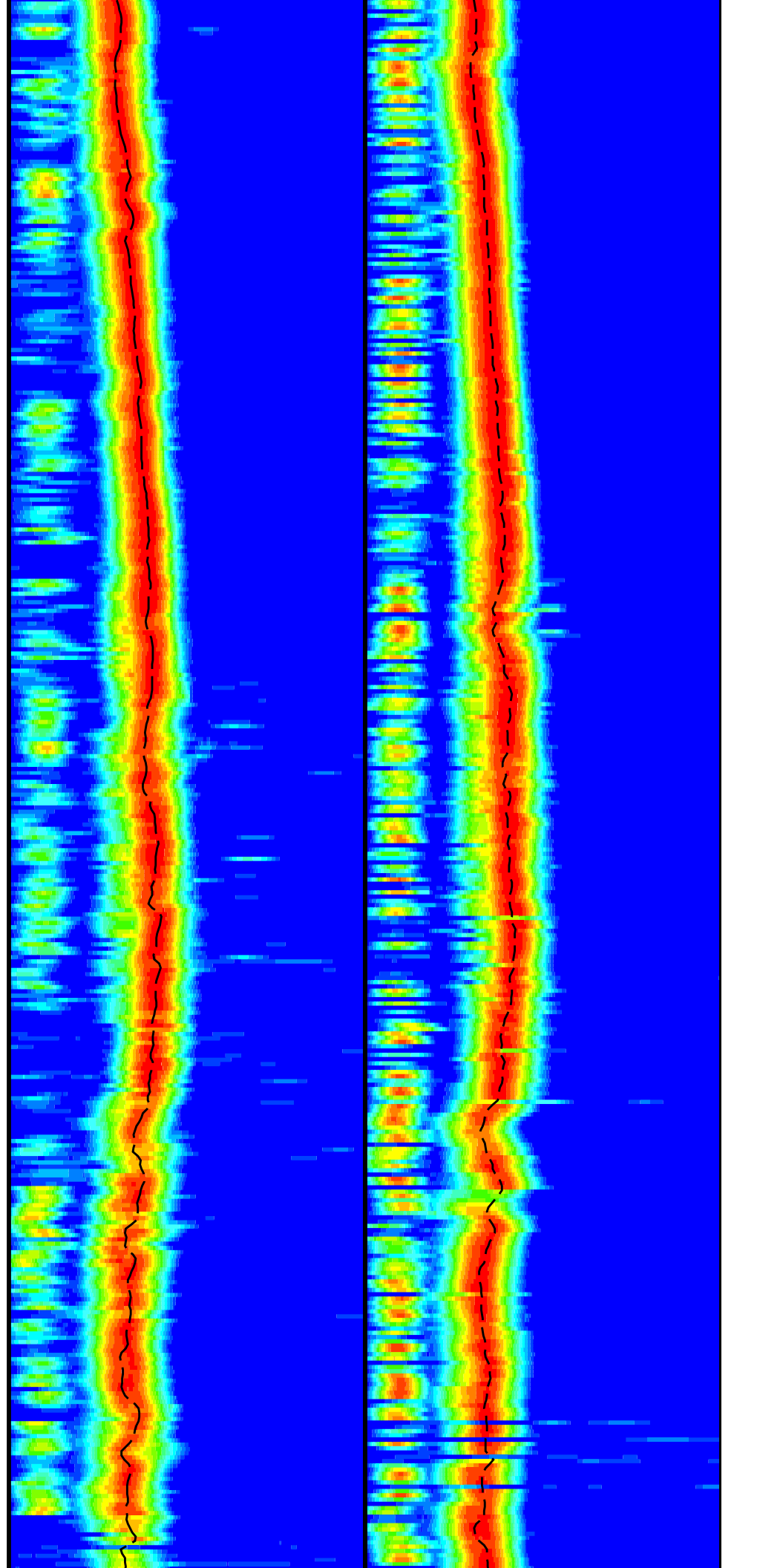
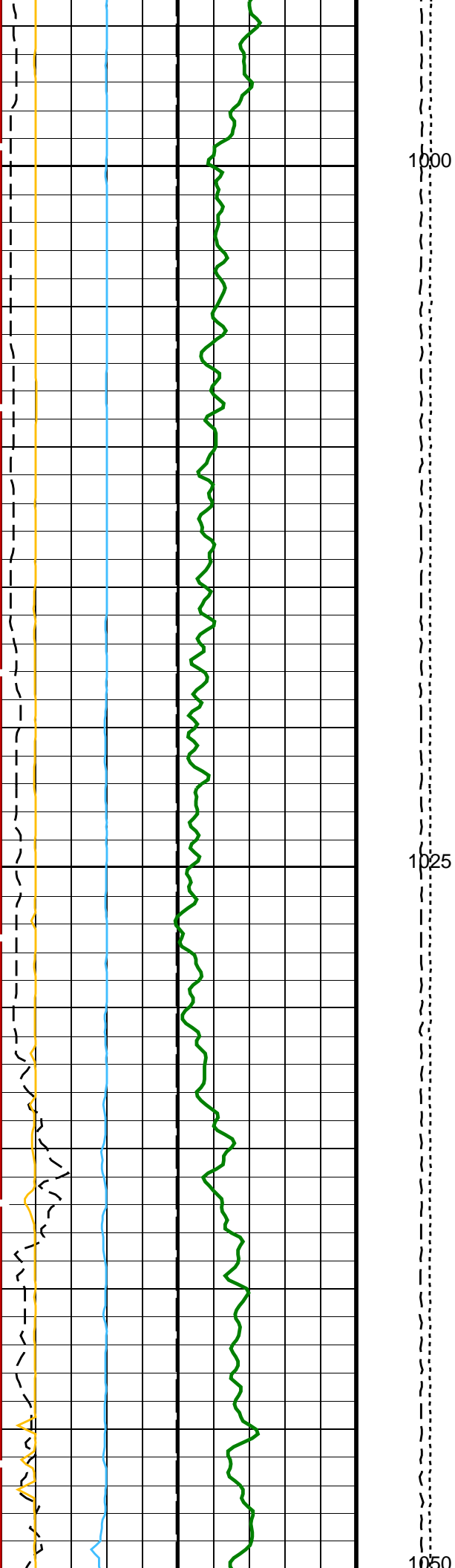


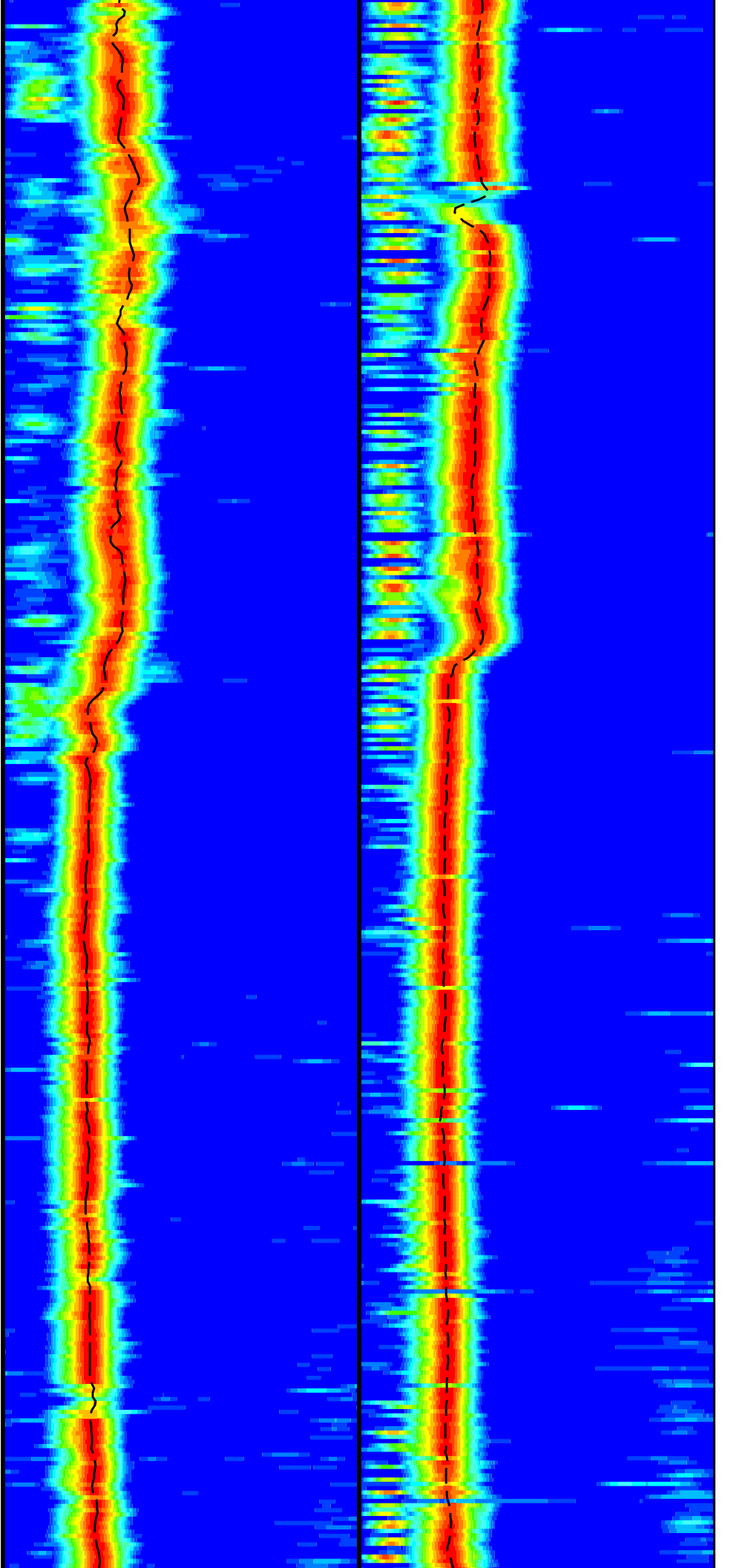
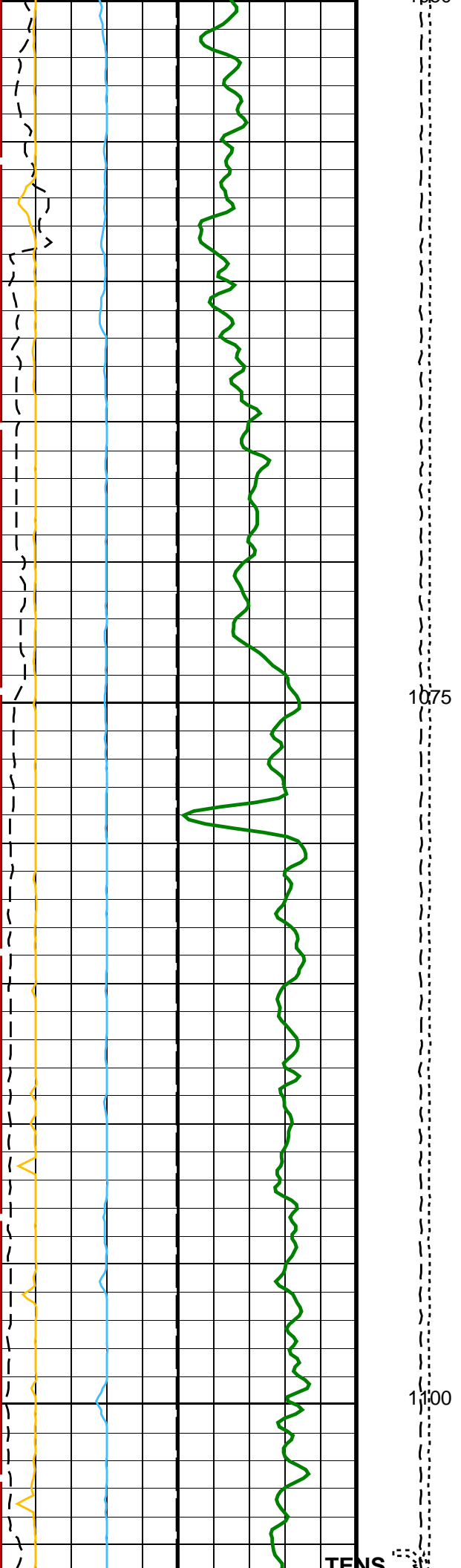




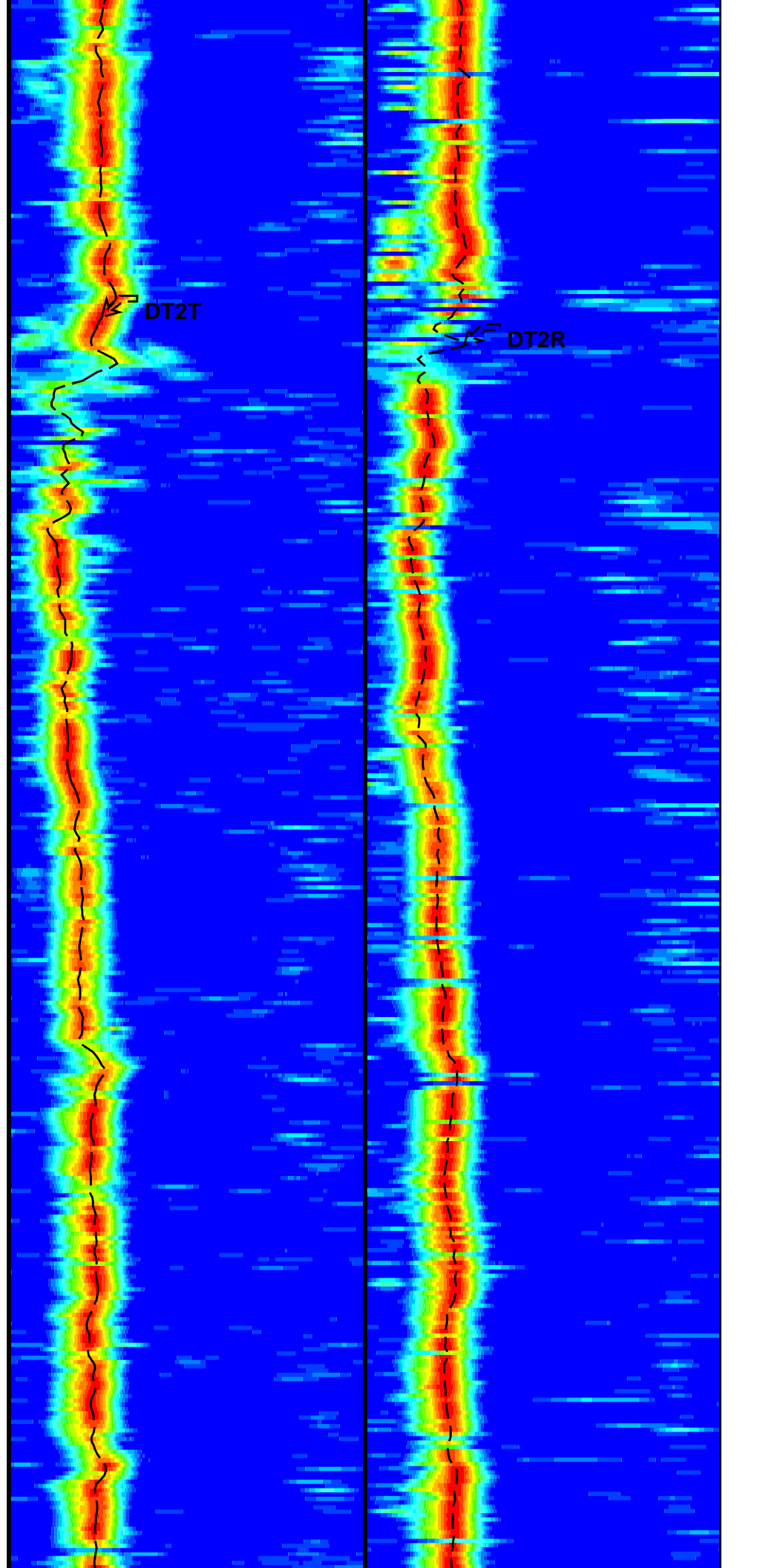
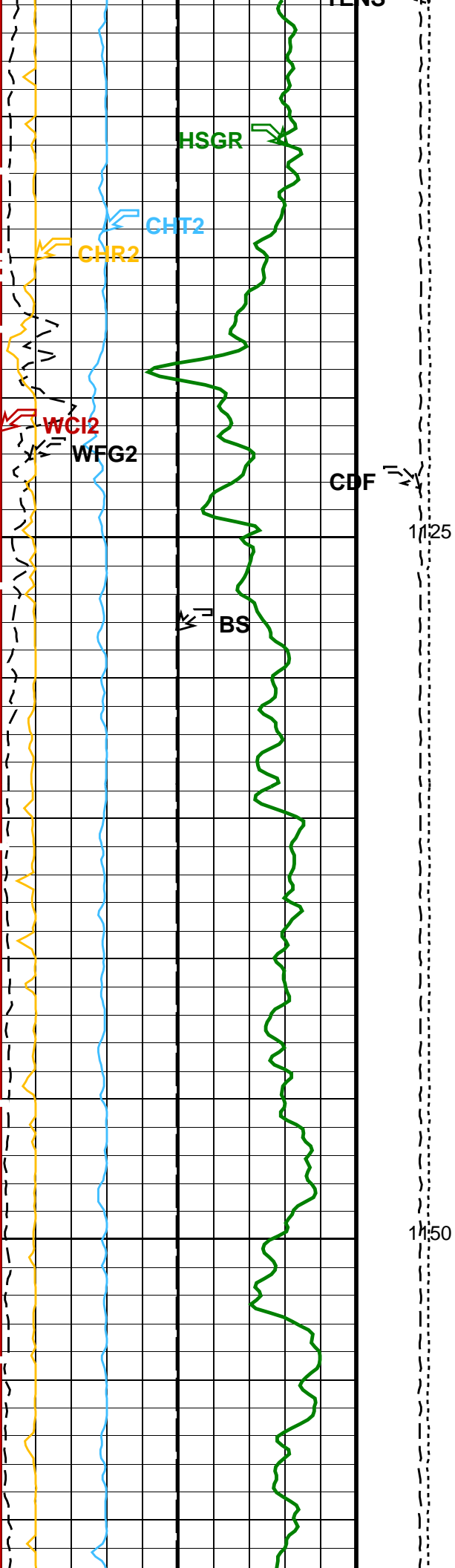


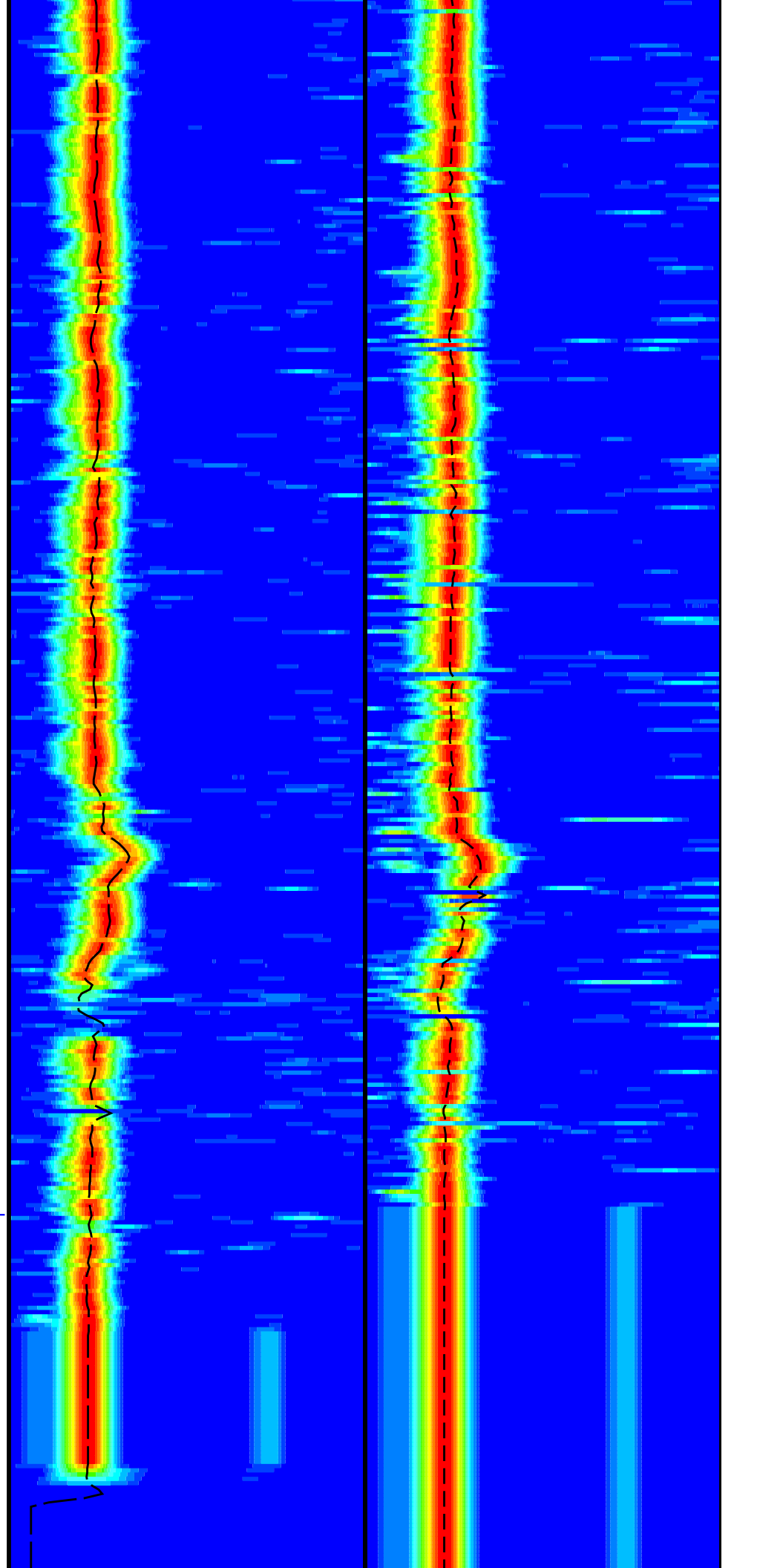
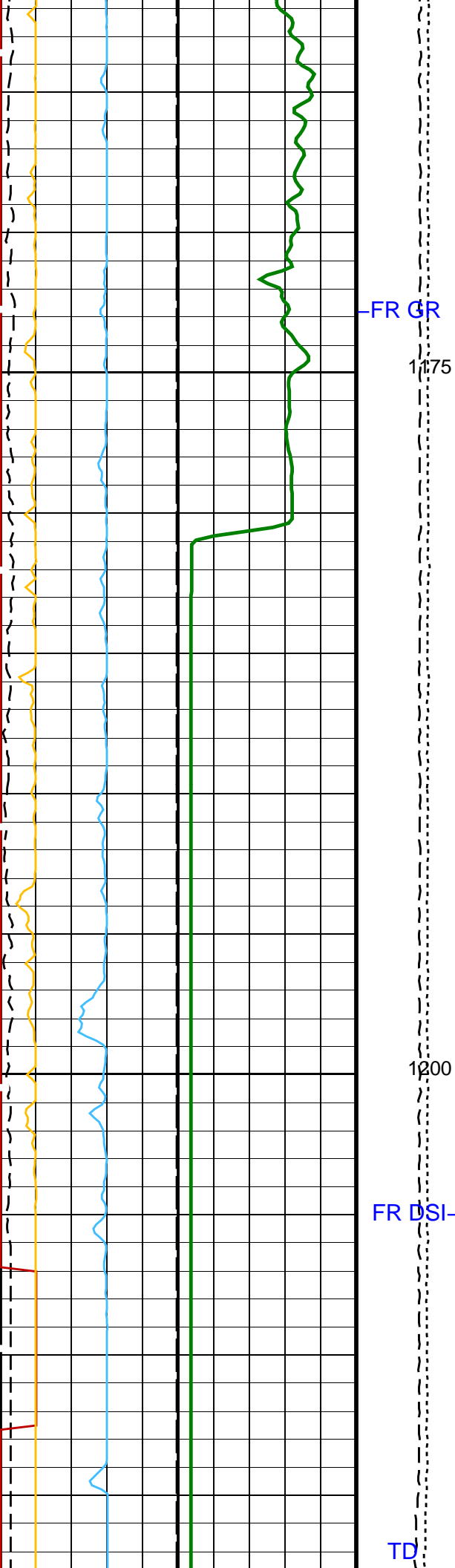






TENS





0	Bit Size (BS) (IN)	20	Tension (TENS) (LBF)	40	Delta-T Shear / TA – Upper Dipole (DT2T) (US/F)	1040	40	Delta-T Shear / RA – Upper Dipole (DT2R) (US/F)	1040
0	SAM2 Waveform Gain (WFG2) (----)	1000	Calibrated Downhole Force (CDF) (LBF)	5000	0	40	1040	40	1040
				Min		Amplitude		Max	
				Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)				Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	
Waveform Data Copy Indicator 2 – Upper Dipole (WCI2)		0		10		Uplog 2 Mainpass			
Peak Coherence / RA – Upper Dipole (CHR2)		0		10					
Peak Coherence / TA – Upper Dipole (CHT2)		-2		8					
HNGS Spectroscopy Gamma Ray (HSGR)		0		100					
(GAPI)									

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
DDE2	Digitizing Delay 2	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source – Dipole Shear	USE
DSHL	Label Slowness Lower Limit – Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1040 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC2	Digitizer Word Count 2	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	LCAL
NWI2	Number Waveform Items 2	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS2	STC Sonic Array Status – Upper Dipole	255
SBO2	STC Search Band Offset – Upper Dipole	3000 US
SBW2	STC Search Bandwidth – Upper Dipole	8000 US
SFC2	STC Formation Character – Upper Dipole	SELECTABLE
SFM2	STC Filter – Upper Dipole	B1-2K
SLL2	STC Slowness Lower Limit – Upper Dipole	40 US/F
SST2	STC Slowness Step – Upper Dipole	4 US/F
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2
SUL2	STC Slowness Upper Limit – Upper Dipole	1040 US/F
SWD2	STC Slowness Width – Upper Dipole	40 US/F
TBF2	STC Time for Baseline Fill – Upper Dipole	0 US
TLL2	STC Time Lower Limit – Upper Dipole	600 US
TST2	STC Time Step – Upper Dipole	200 US
TUL2	STC Time Upper Limit – Upper Dipole	18440 US
TWD2	STC Time Width – Upper Dipole	2000 US
TWI2	STC Integration Time Window – Upper Dipole	1600 US

IWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM2	Waveform Mode 2	W1	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00381071	
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	0.967407	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.975765	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 22:03

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_042PUP	FN:58	PRODUCER	28-Jan-2018 22:03		
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Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_042PUP	FN:58	PRODUCER	28-Jan-2018 22:03	1218.4 M	560.2 M
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OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Changed Parameter Summary

Changed Parameter Summary

DLIS Name

New Value

Previous Value

Depth & Time

COLL

120 US/F

60 US/F

834.7 22:04:32

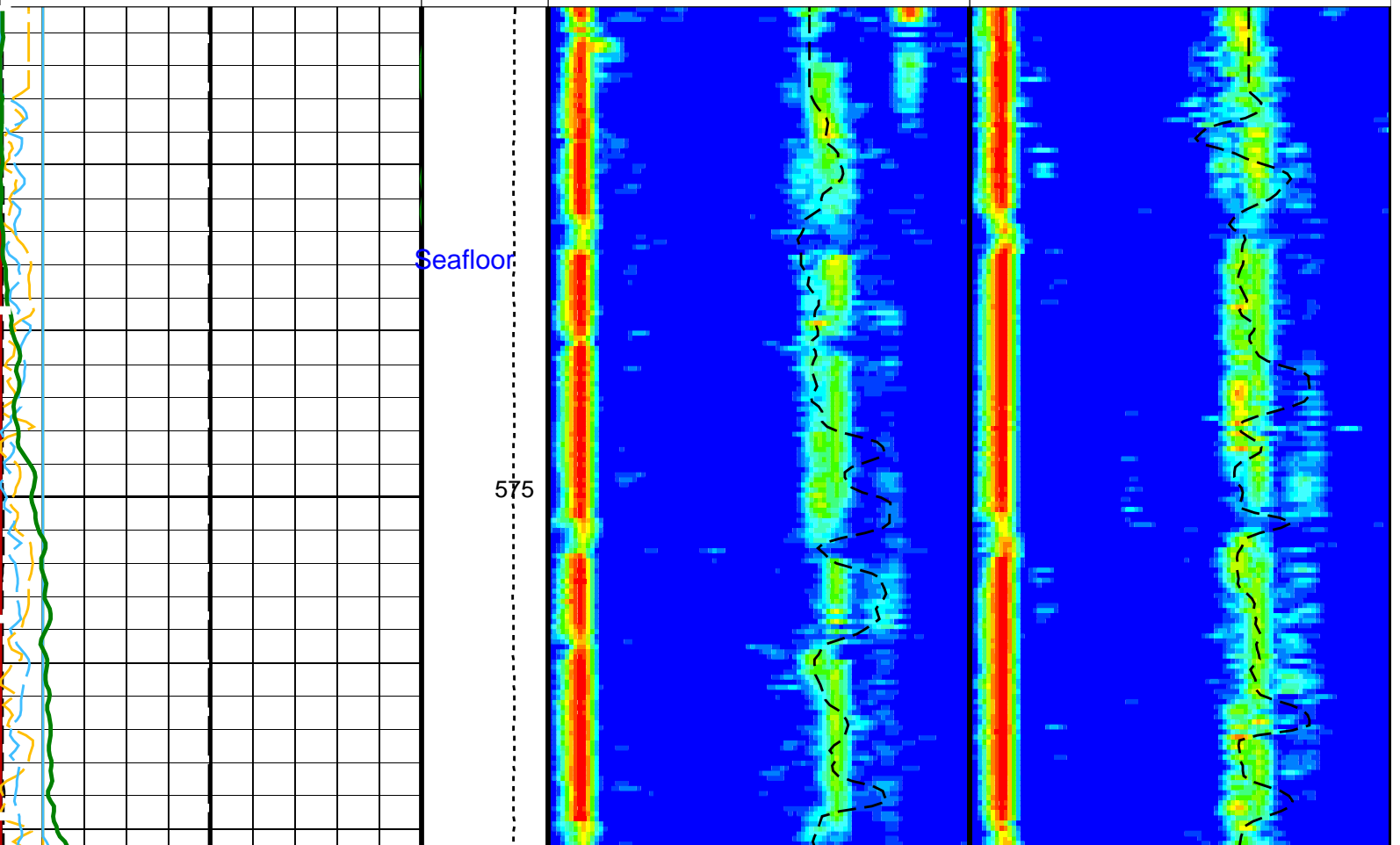
PIP SUMMARY

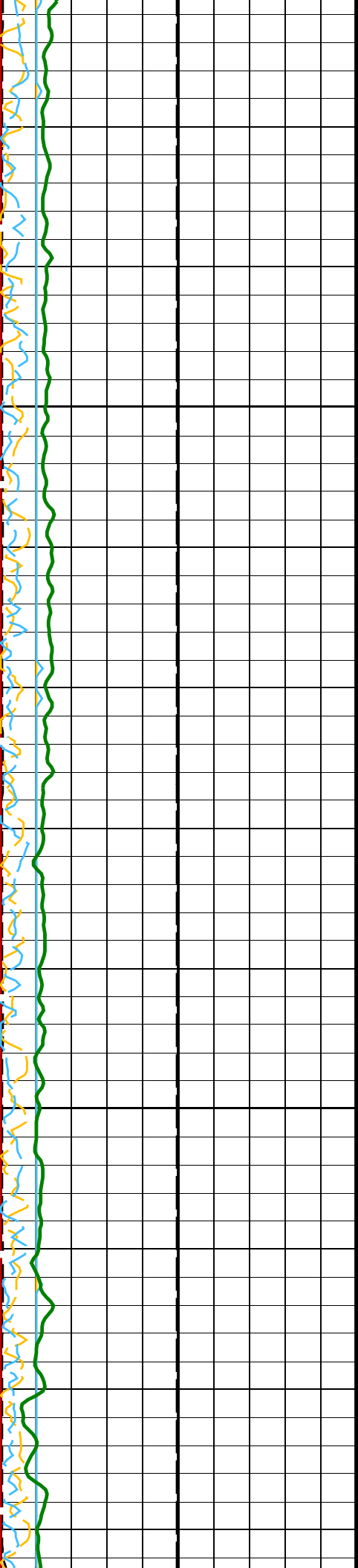
Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - P & S Shear (CHTS)		
-1	(-----)	9
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(-----)	9
Peak Coherence / TA - P & S Comp (CHTP)		
0	(-----)	10
Peak Coherence / RA - P & S Comp (CHRP)		
0	(-----)	10
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(-----)	10
SAM4 Waveform Gain (WFG4)		
0	(-----)	1000
Bit Size (BS)		
0	(IN)	20
Tension (TENS) (LBF)		
10000		0

Uplong 2

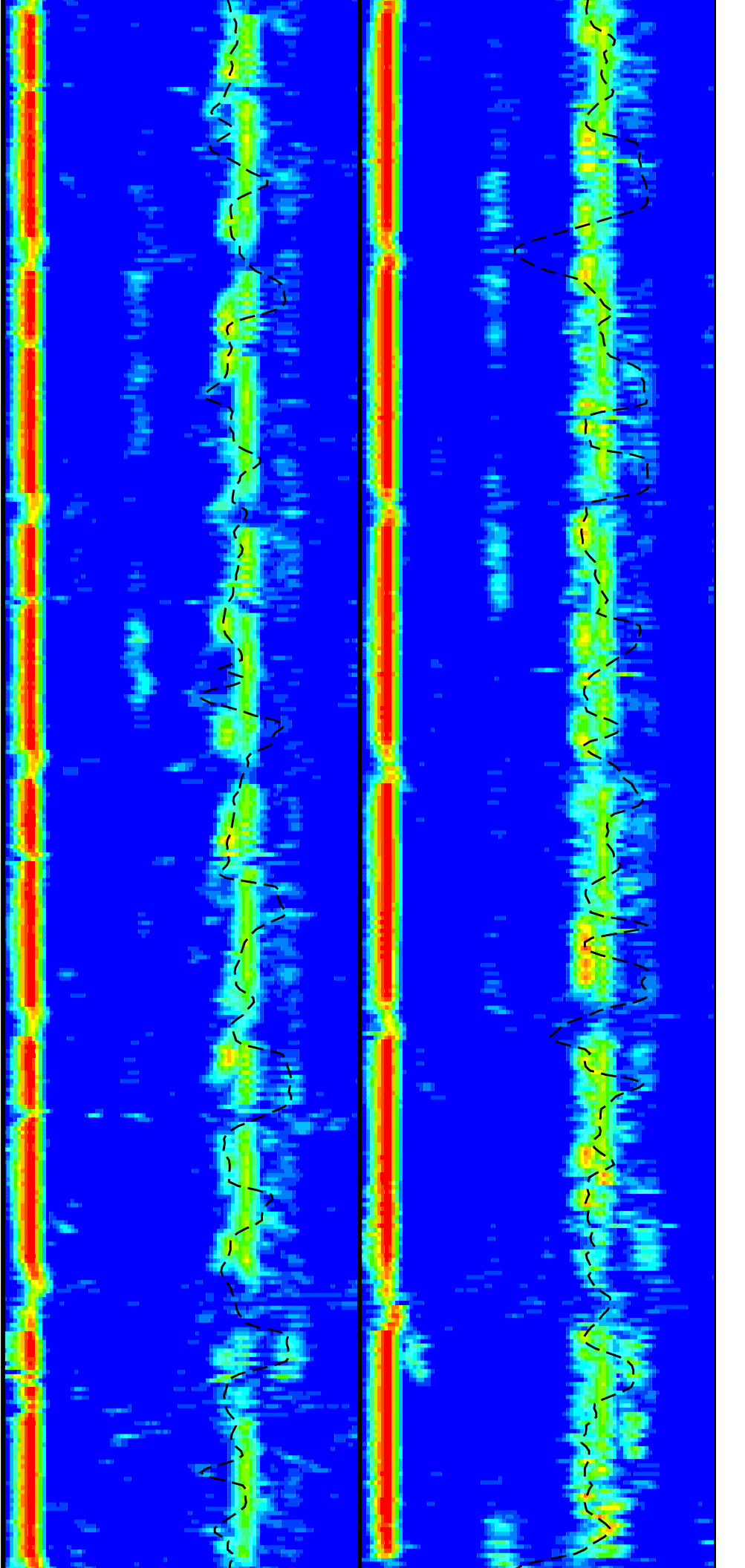
Min	Amplitude	Max	Min	Amplitude	Max
40	Tr.Array P&S Slow Proj. CVDL (SPT4) (US/F)	240	40	Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	240
40	Delta-T Shear / TA - P & S (DTTS) (US/F)	240	40	Delta-T Shear / RA - P & S (DTRS) (US/F)	240
40	Delta-T Comp / TA - P & S (DTTP) (US/F)	240	40	Delta-T Comp / RA - P & S (DTRP) (US/F)	240

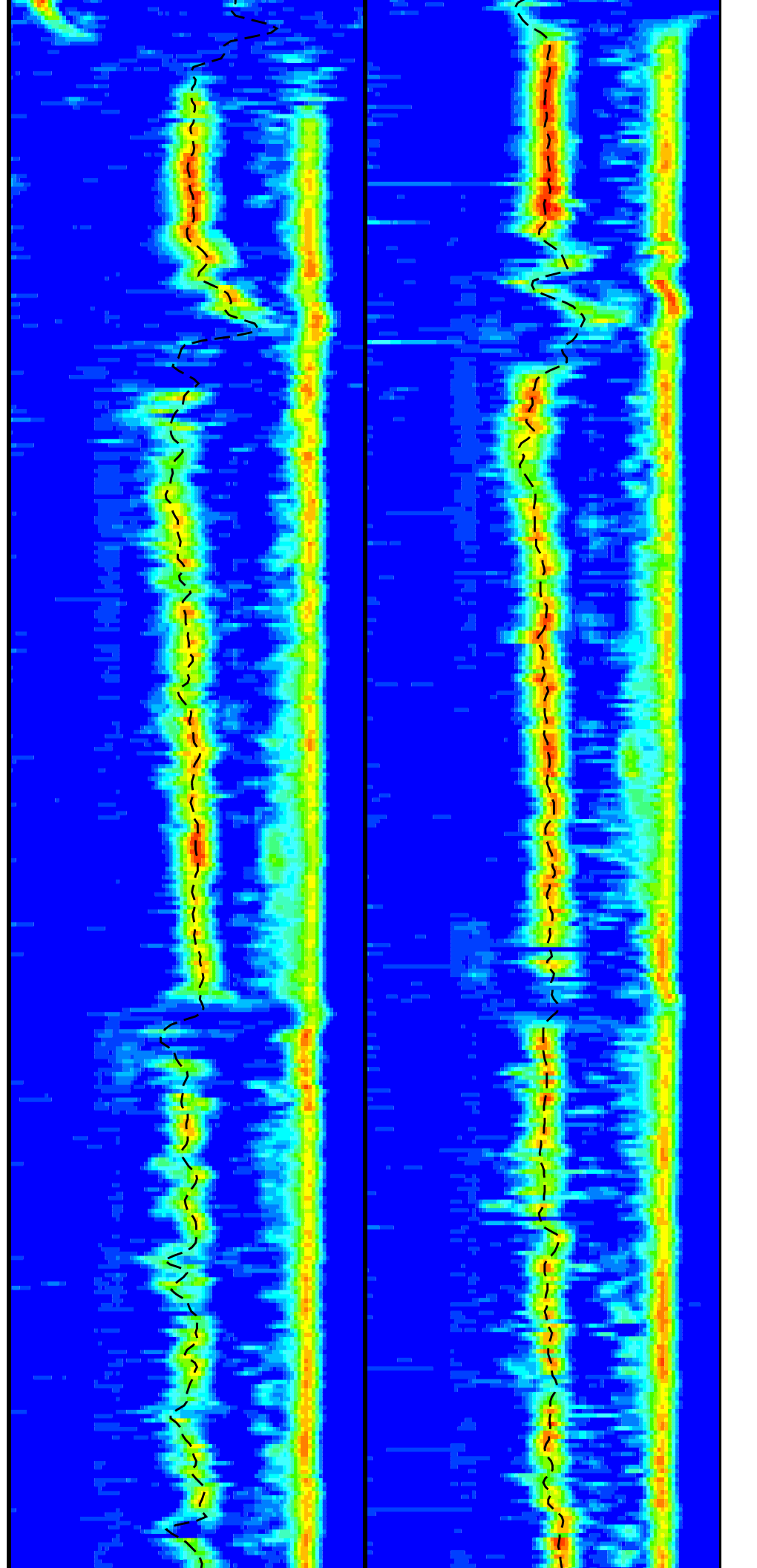
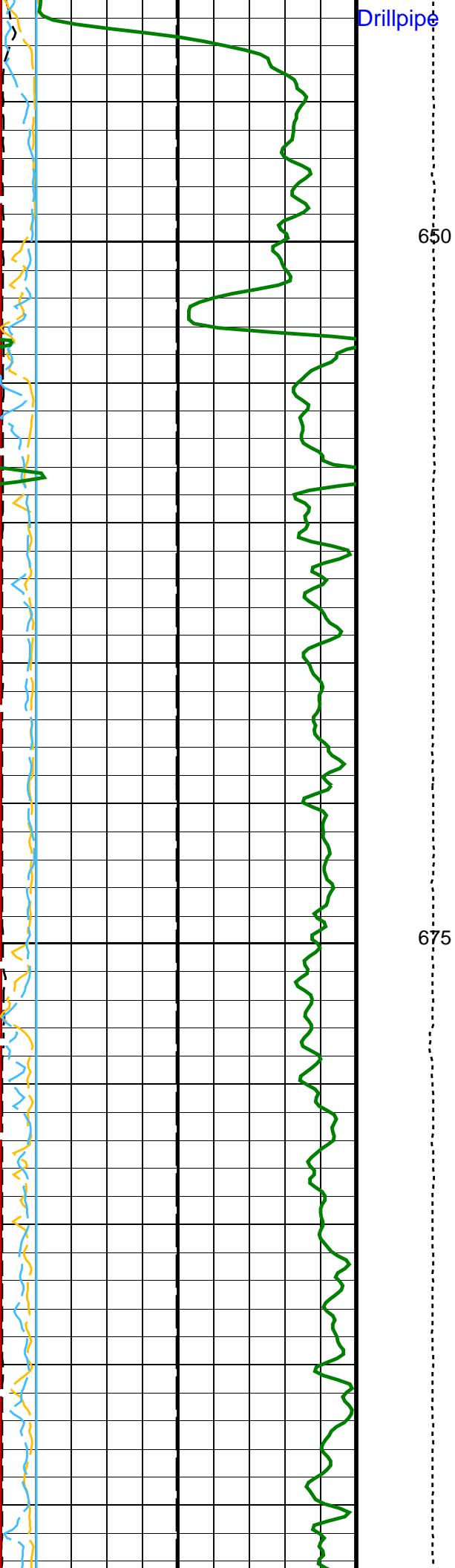


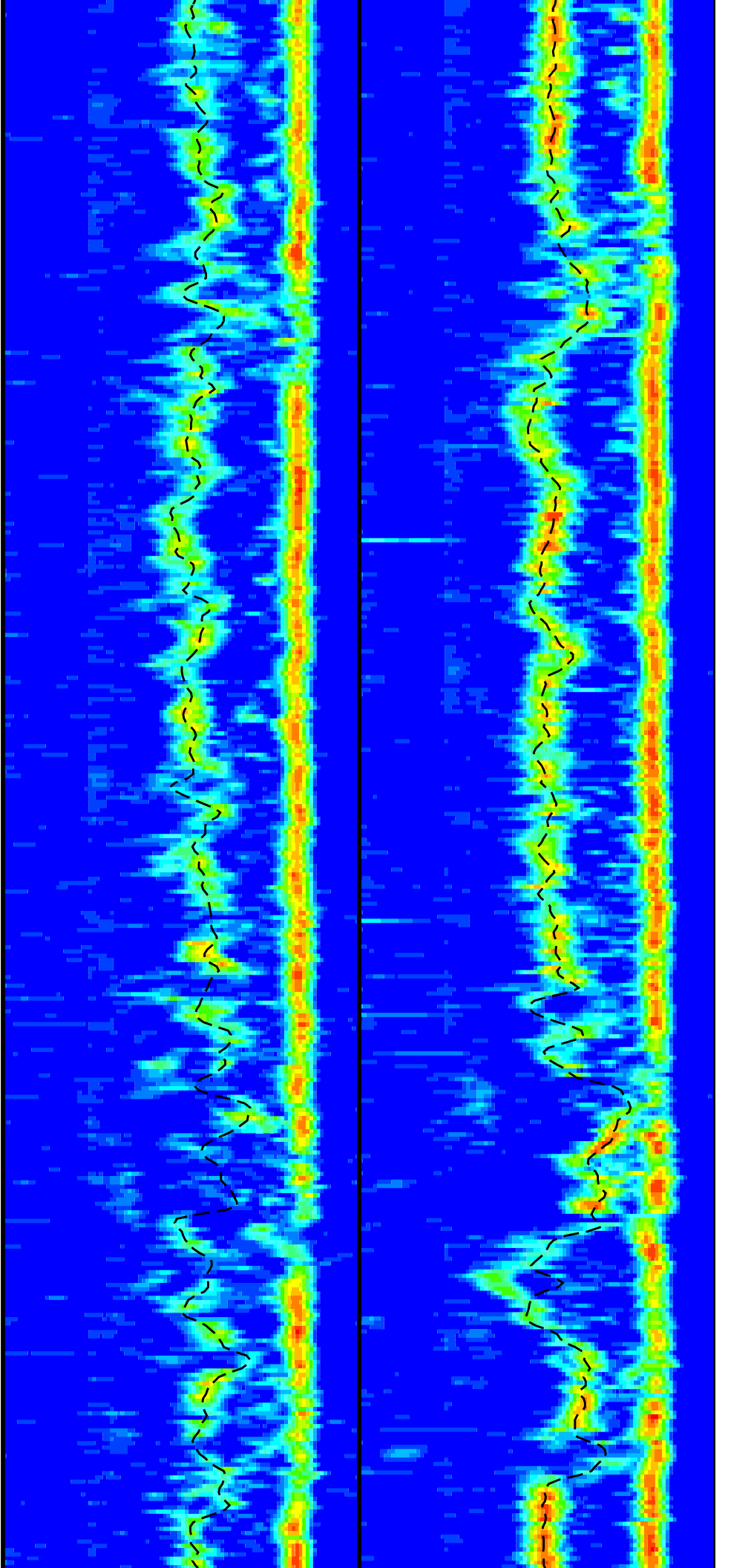
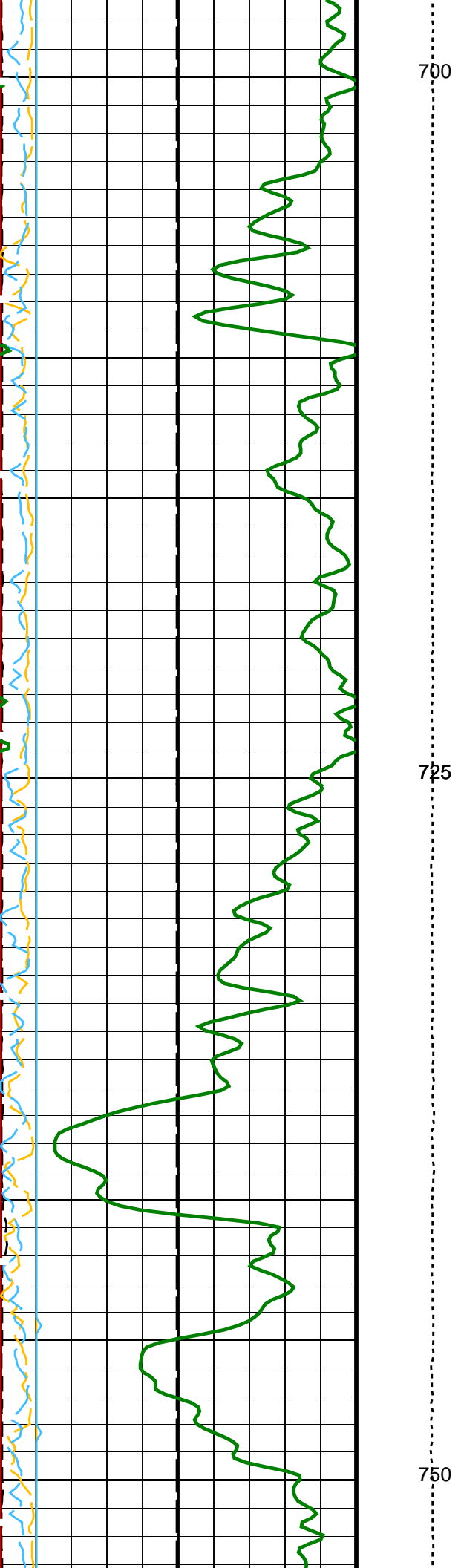


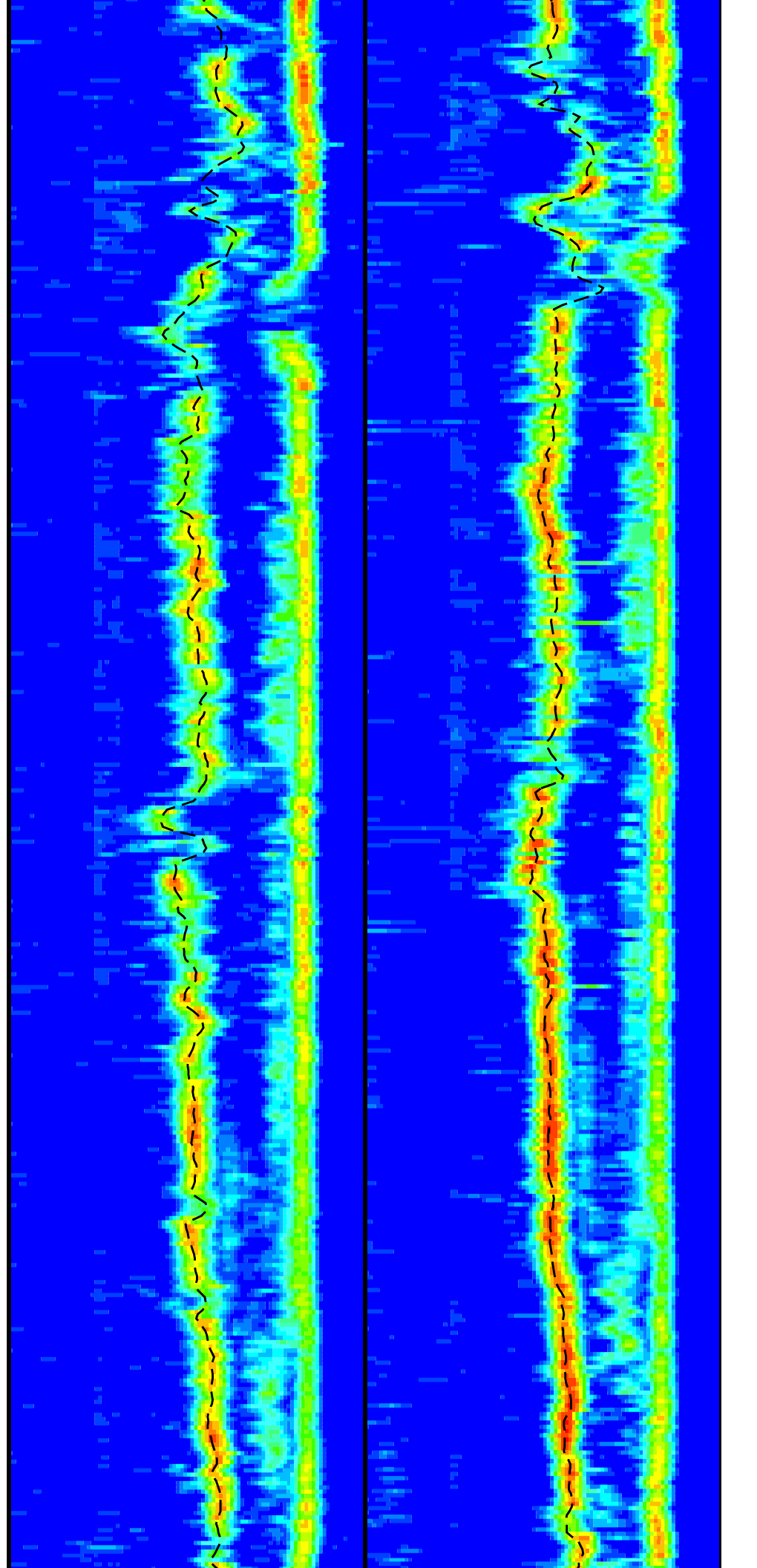
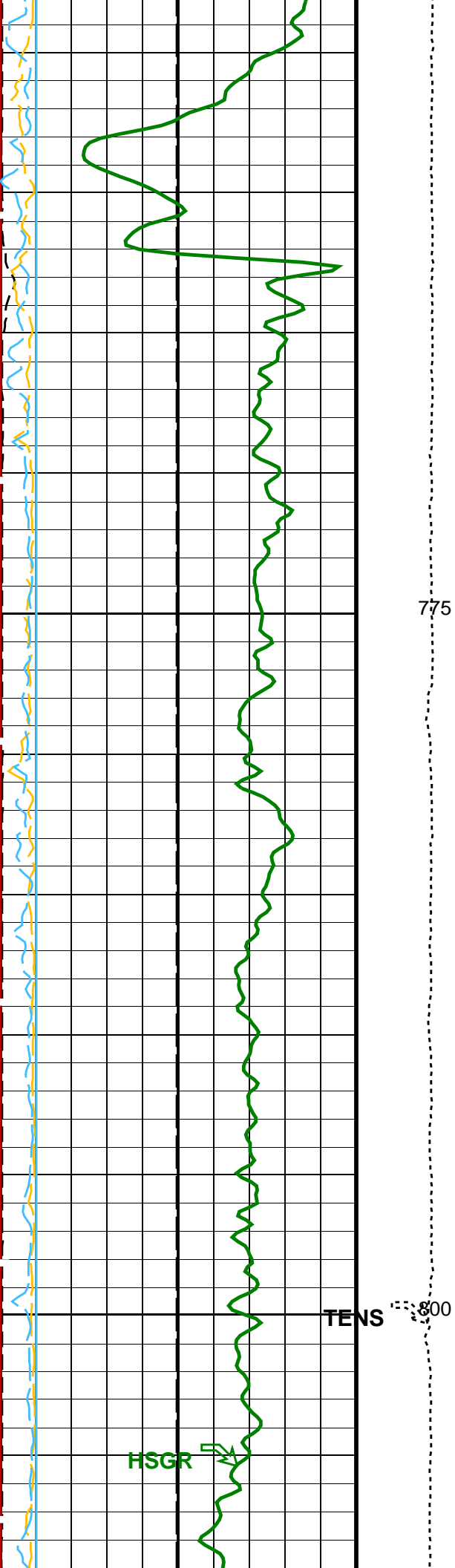
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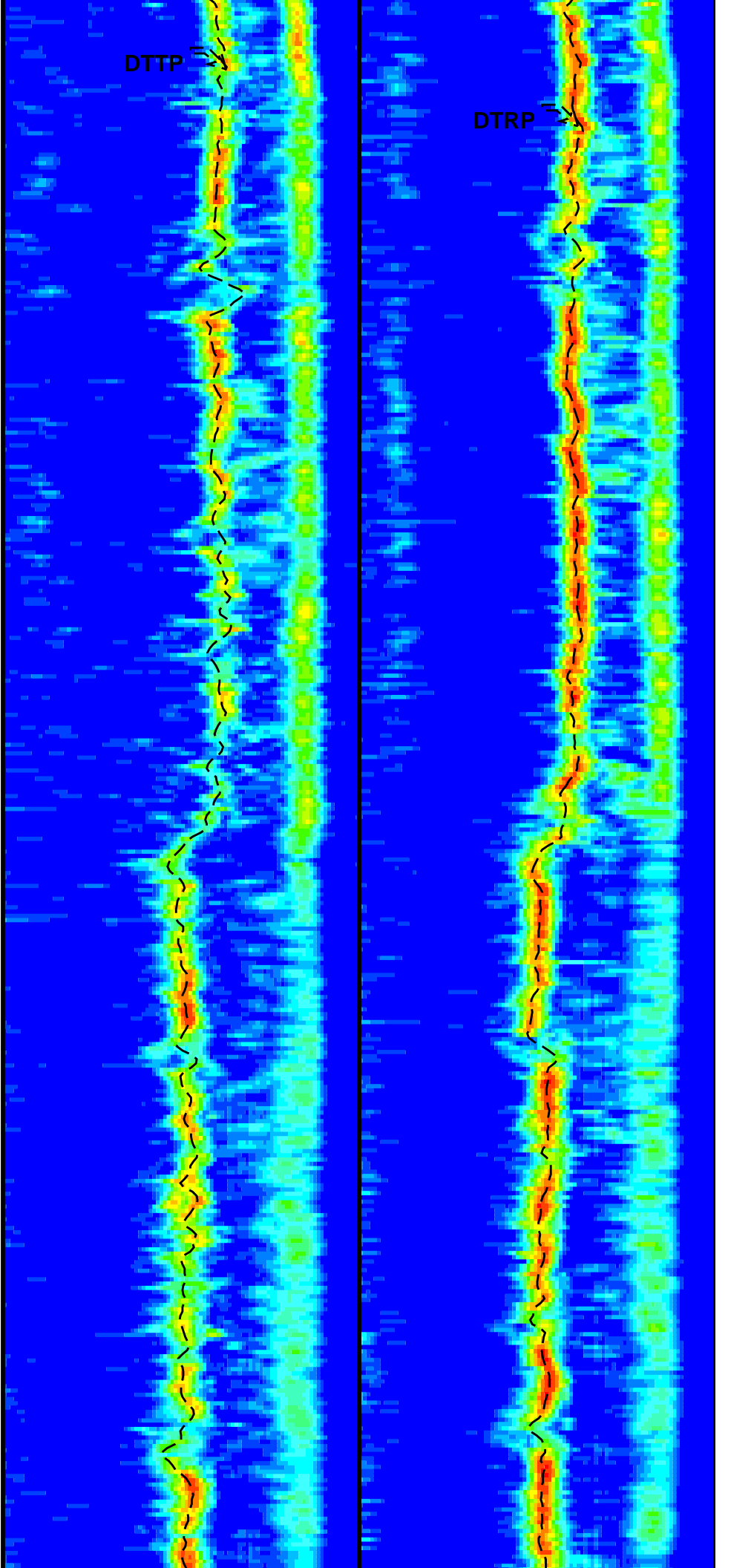
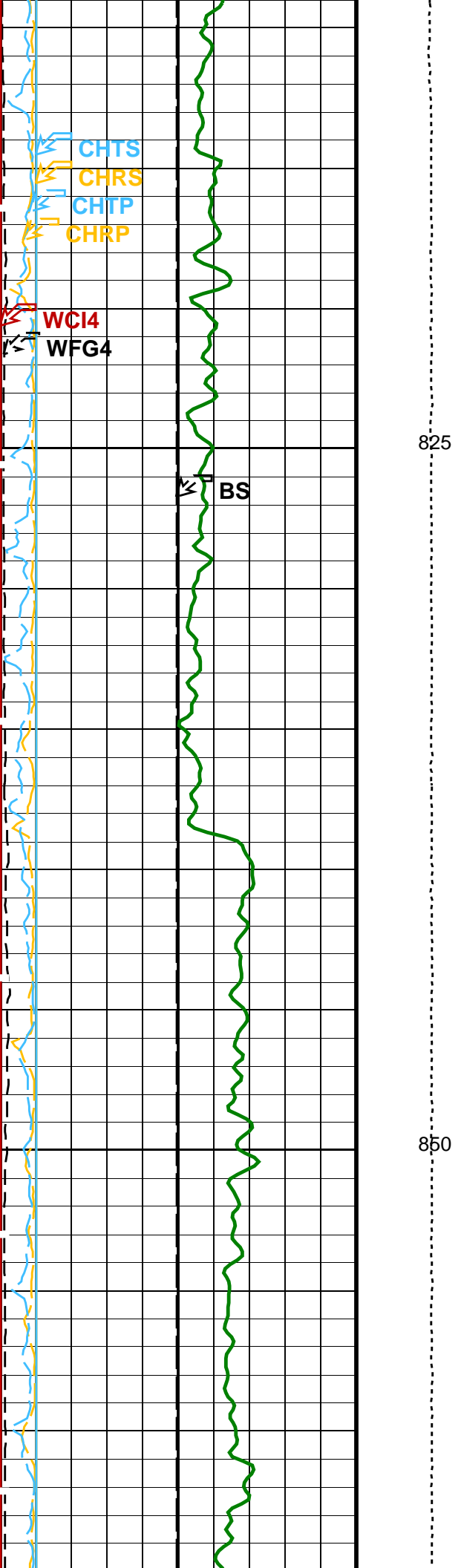
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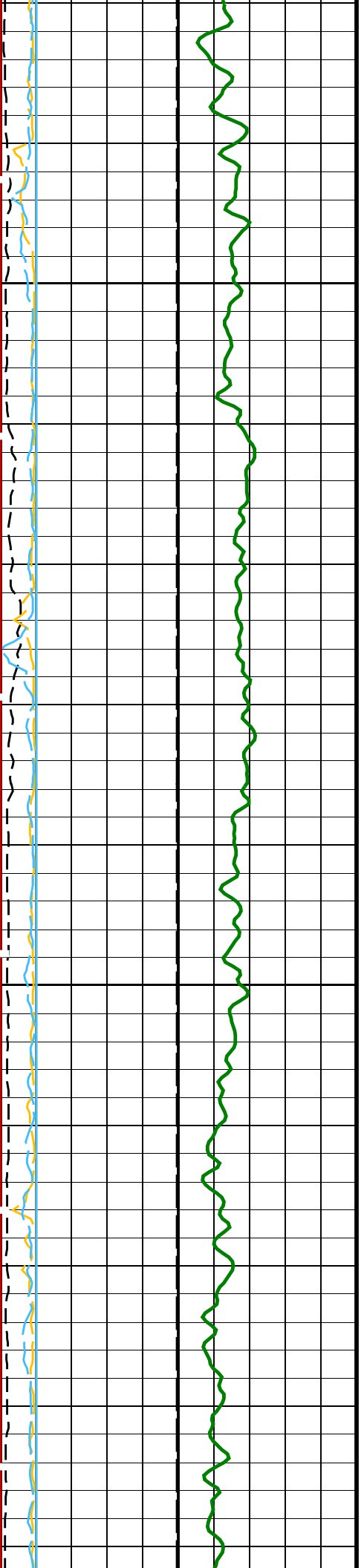






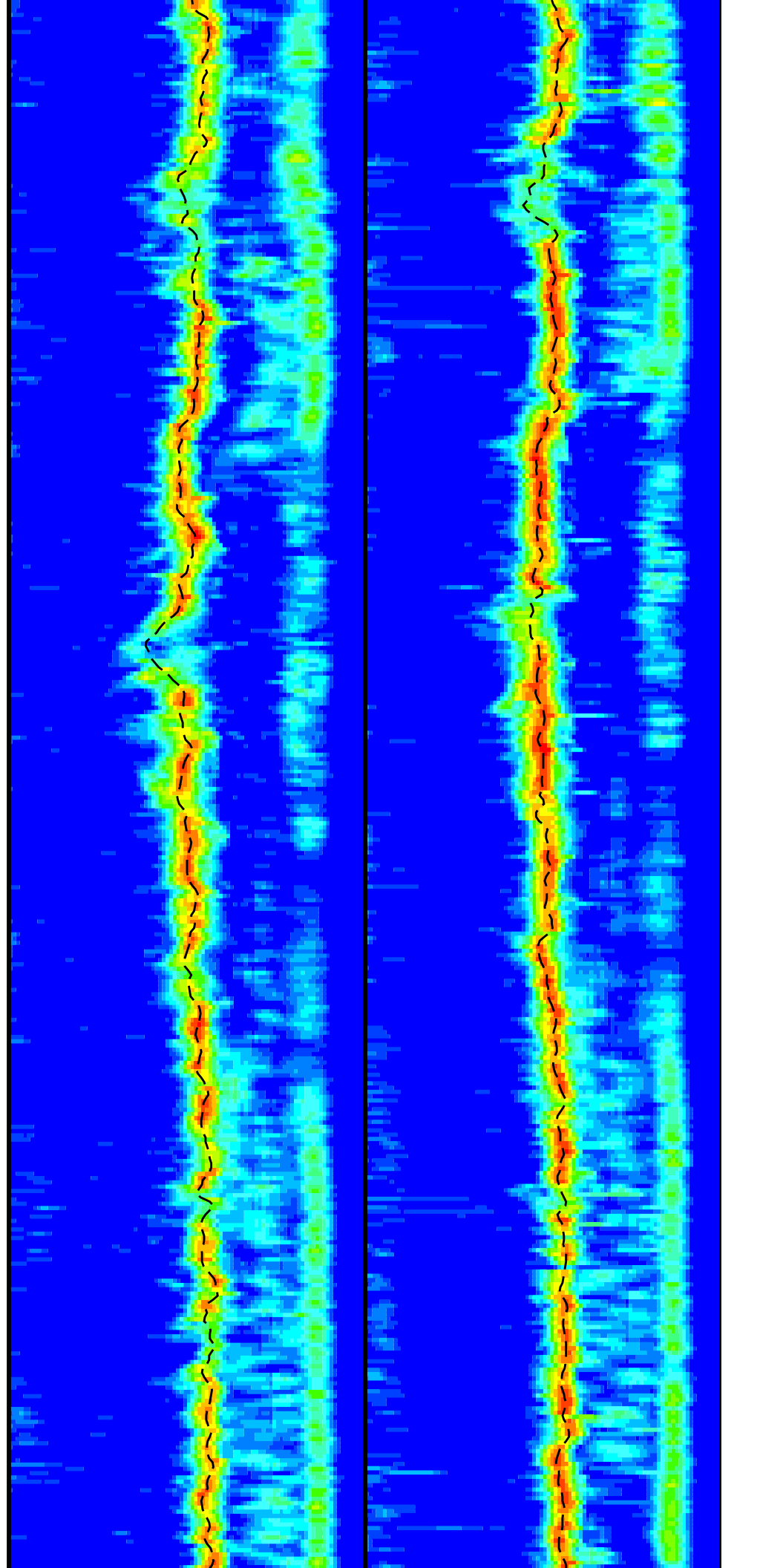


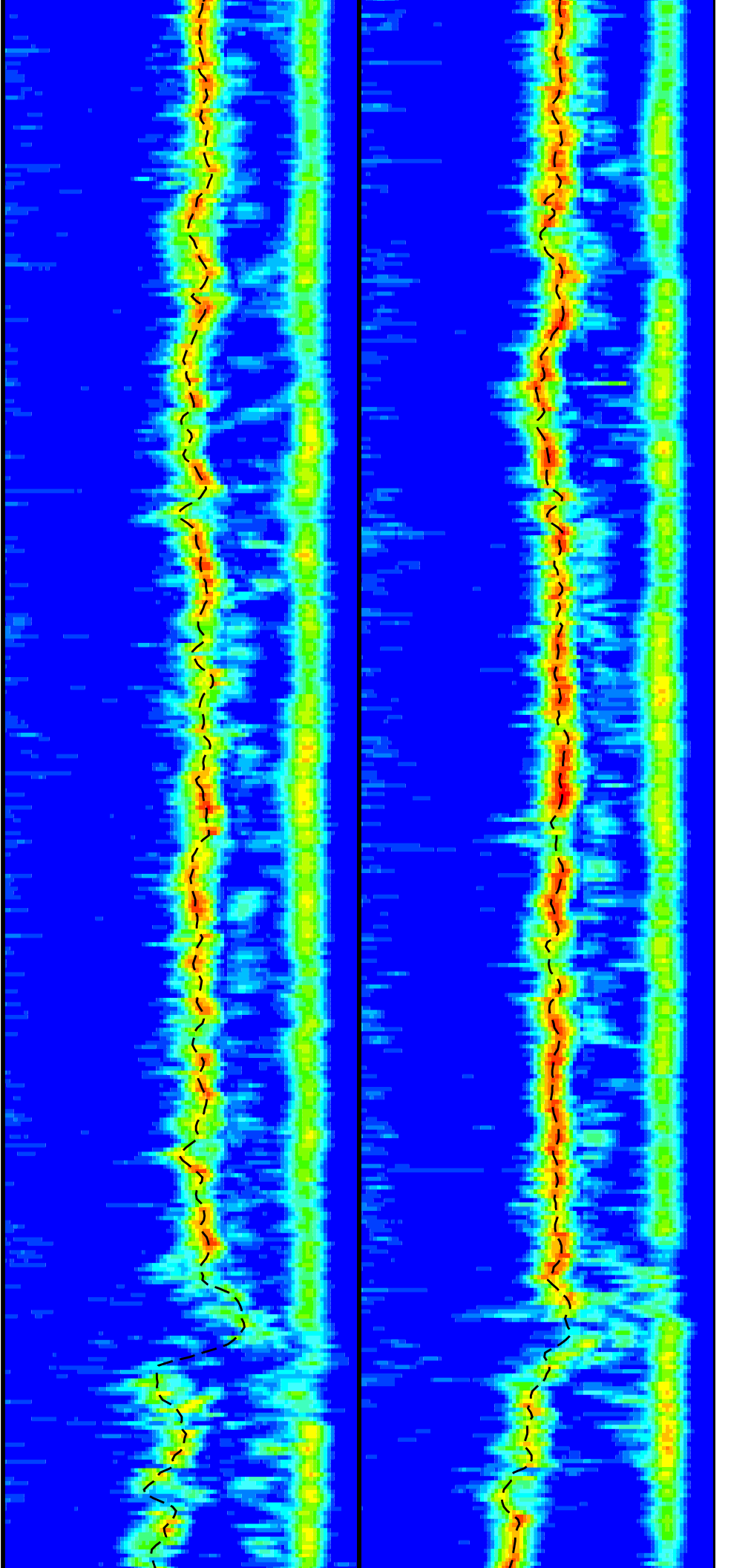
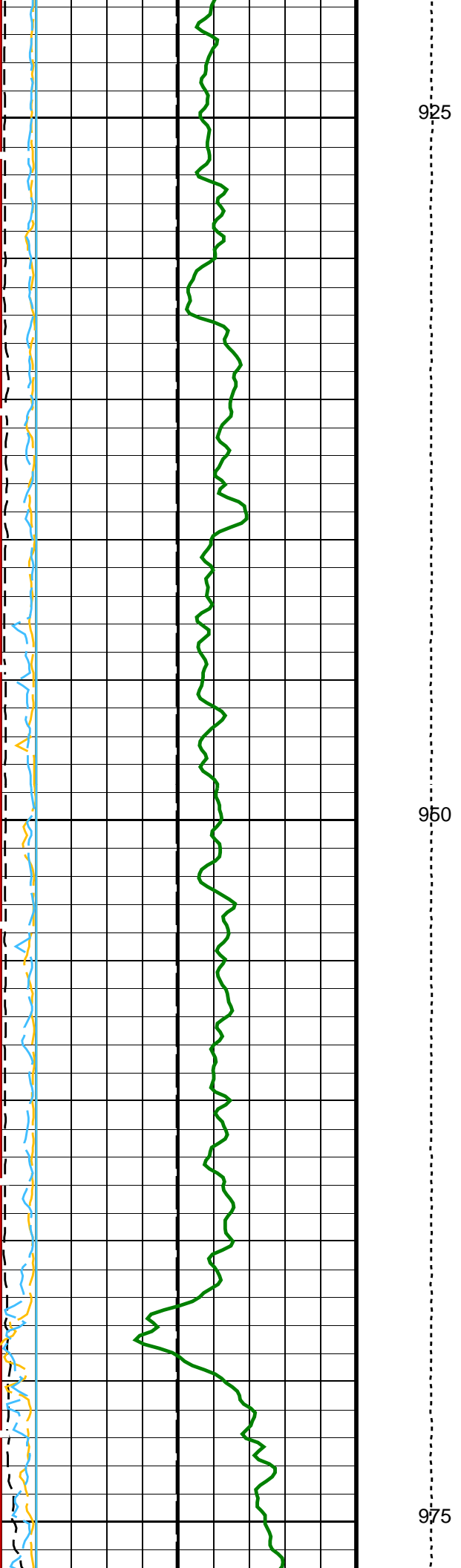


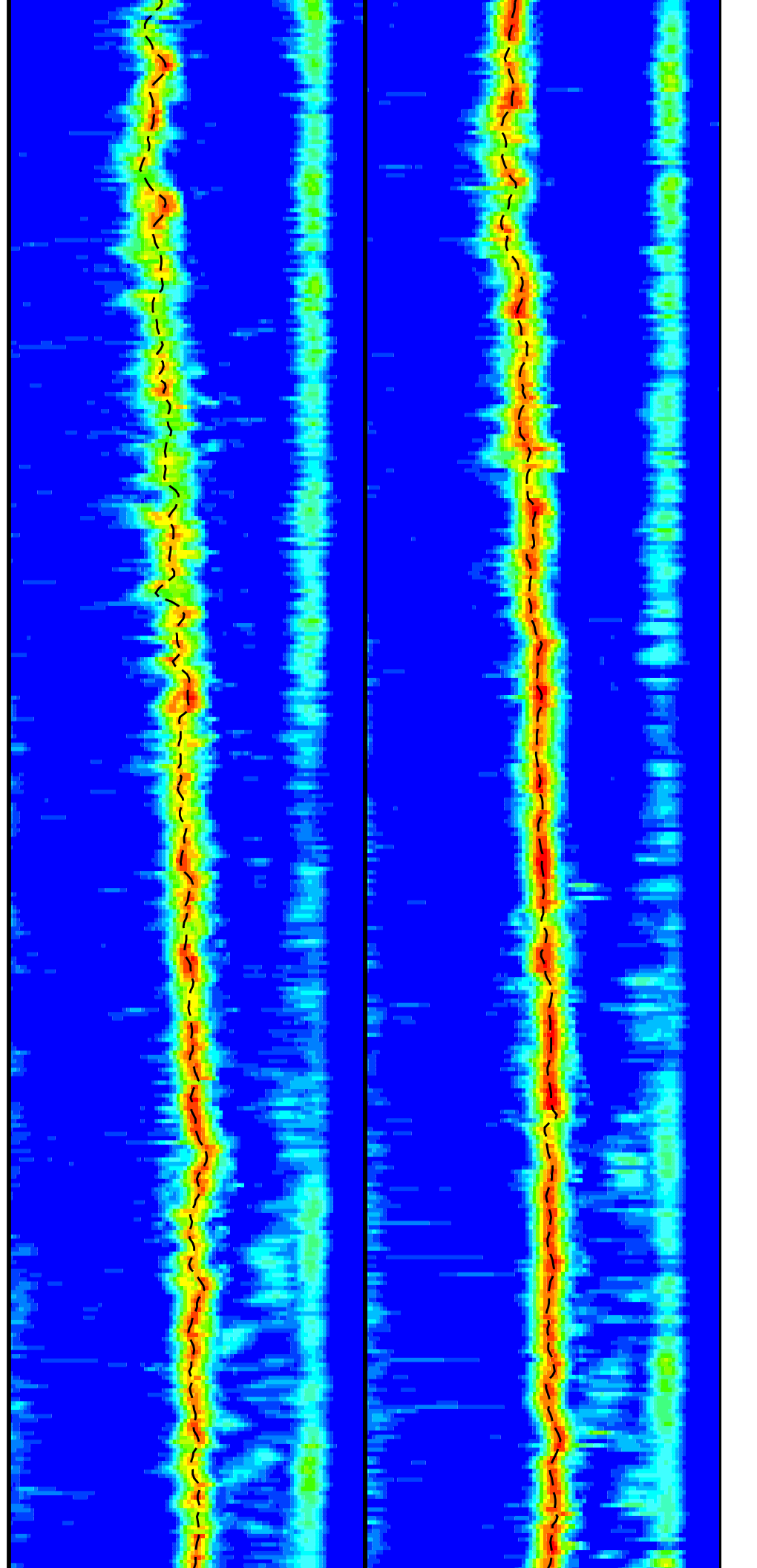
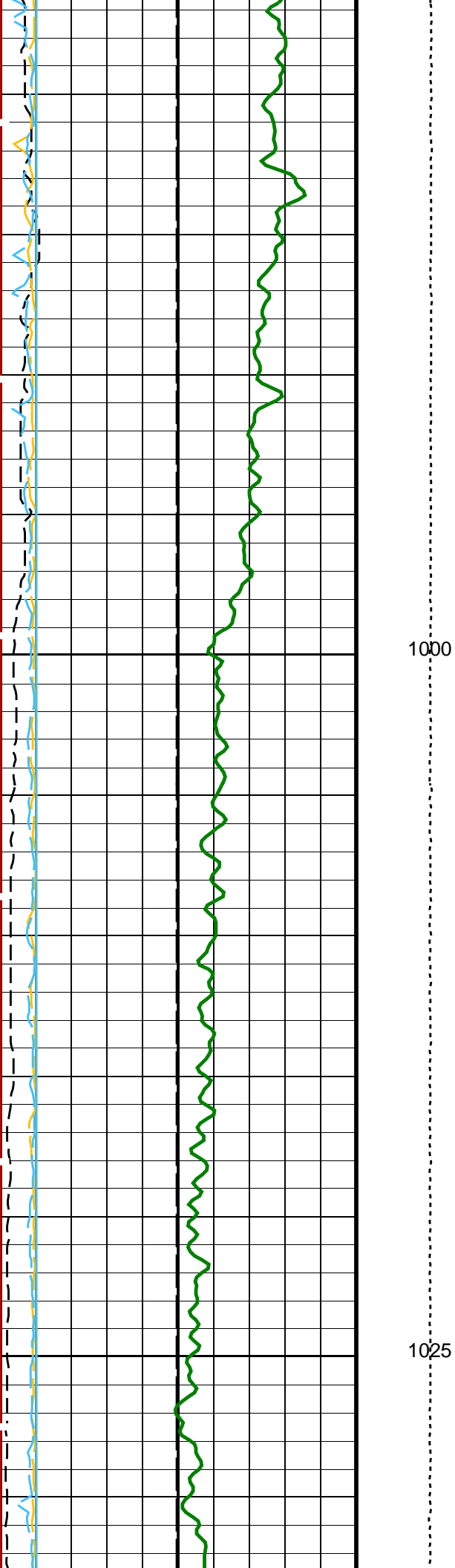


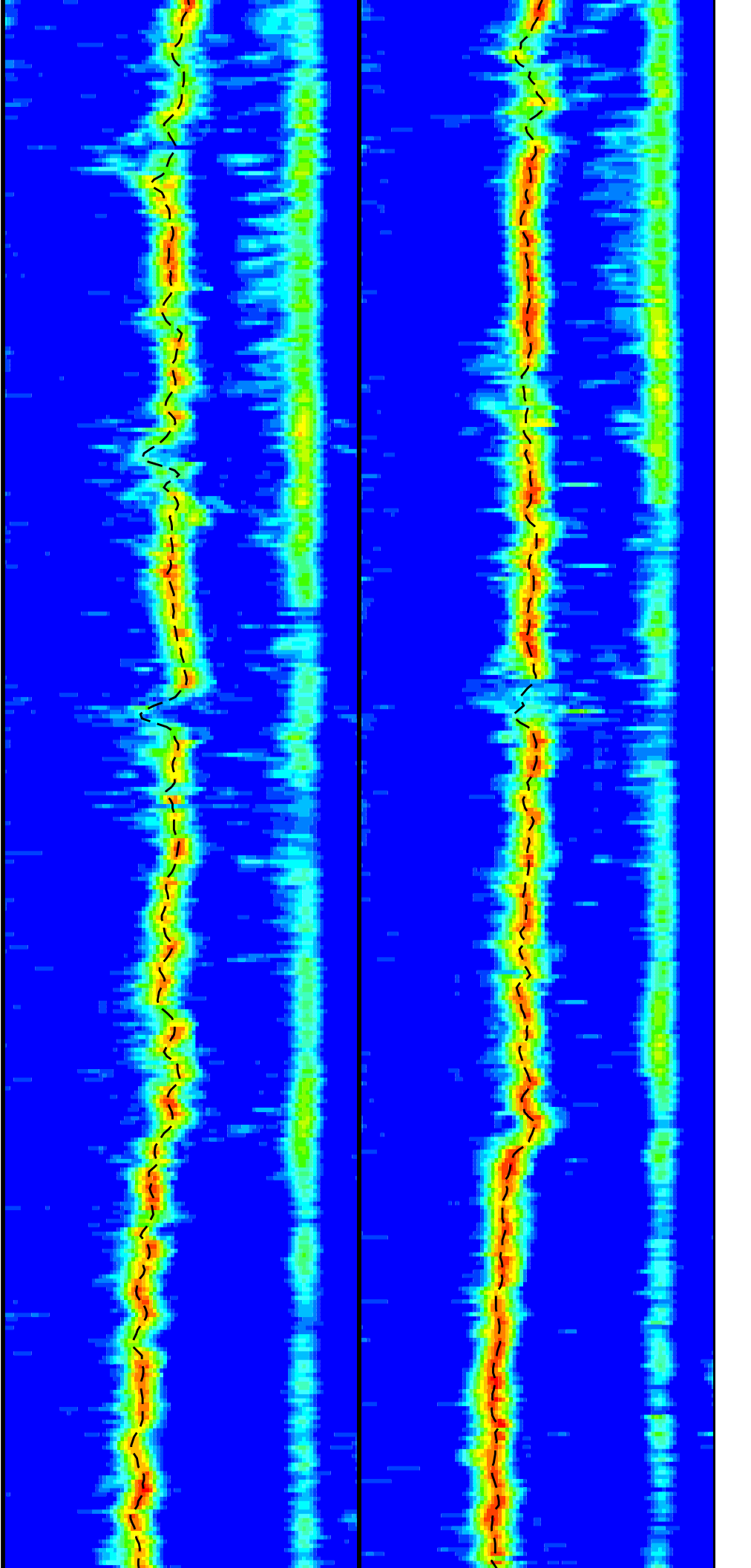
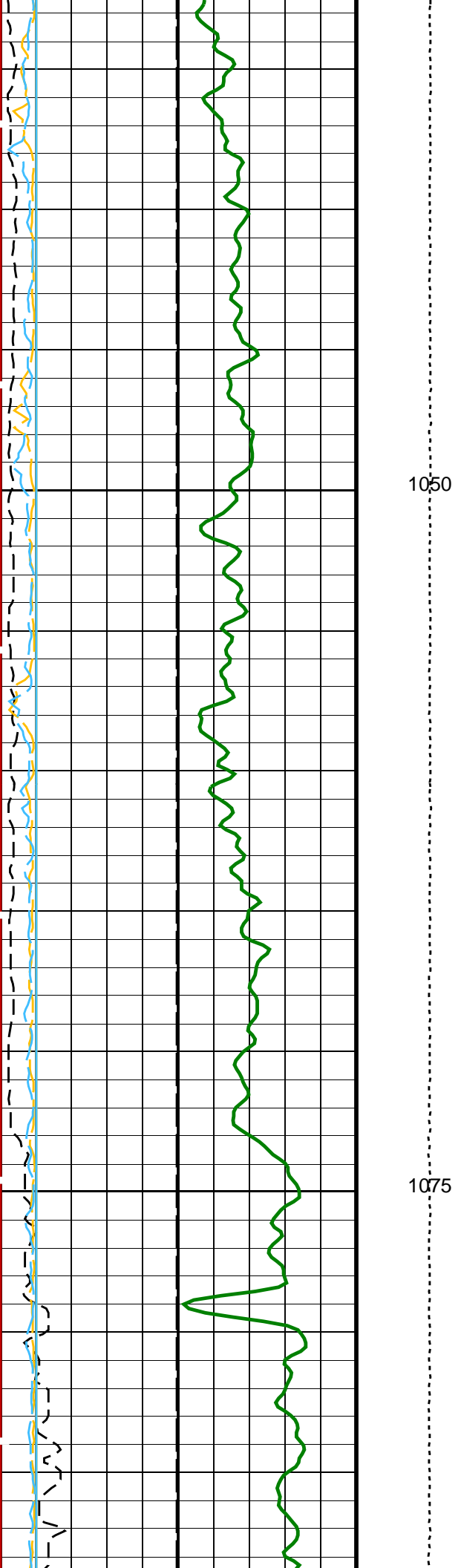
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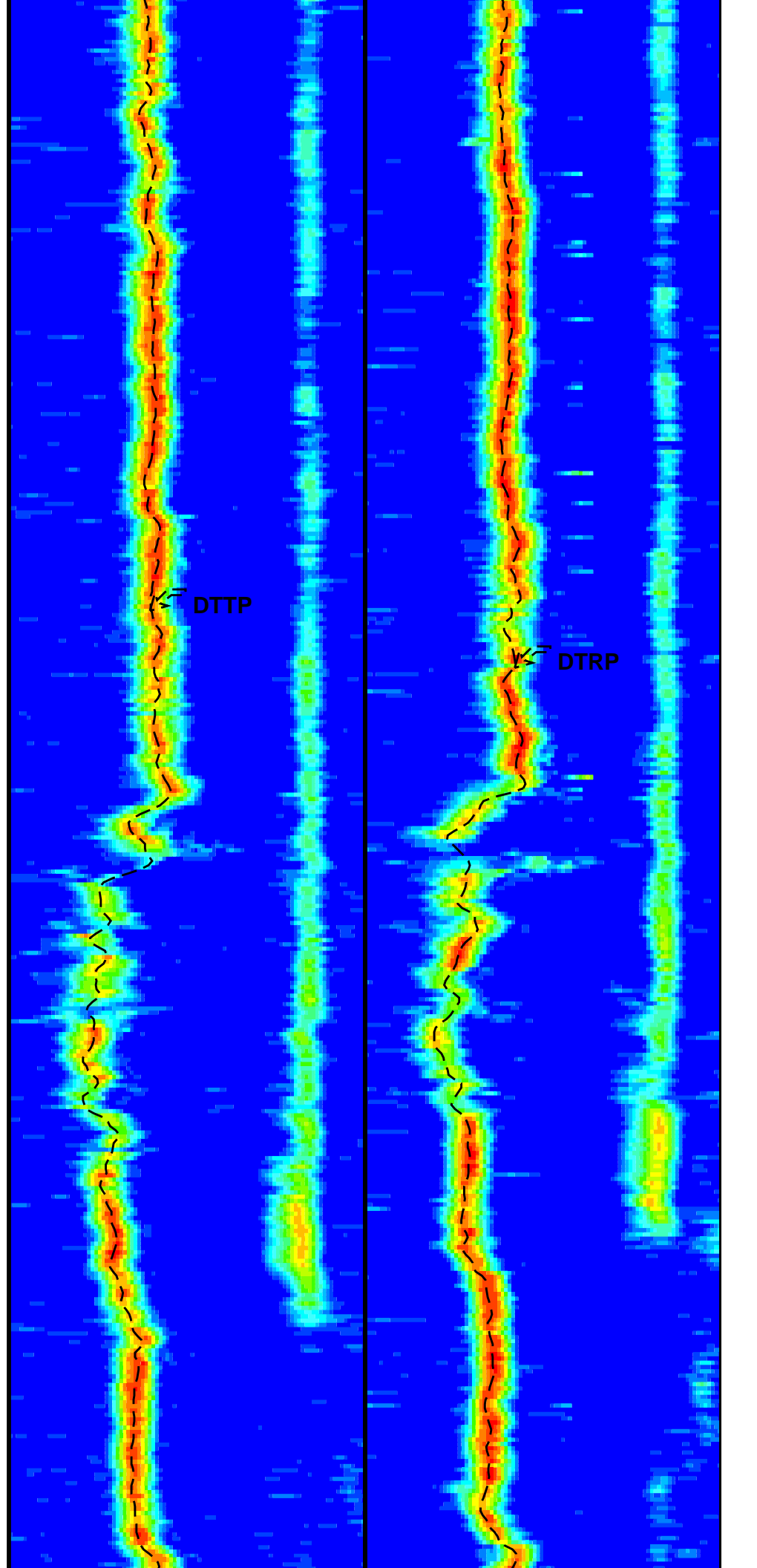
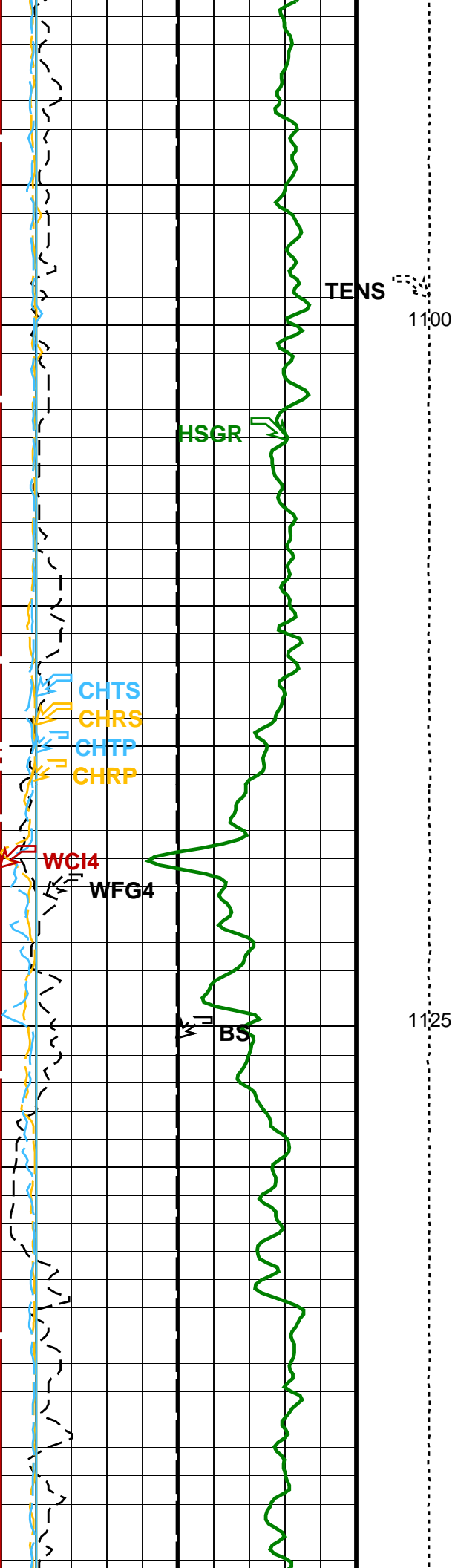
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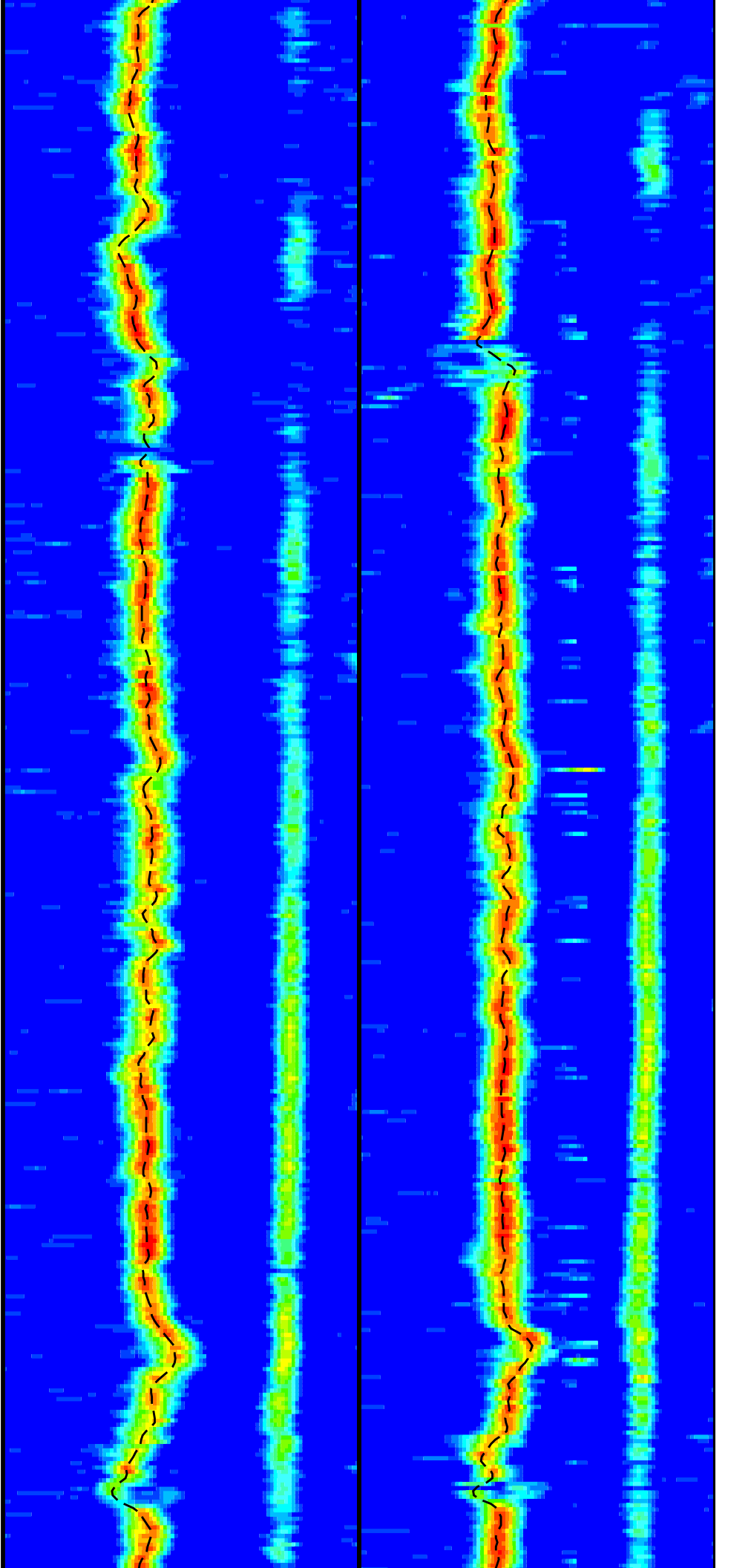
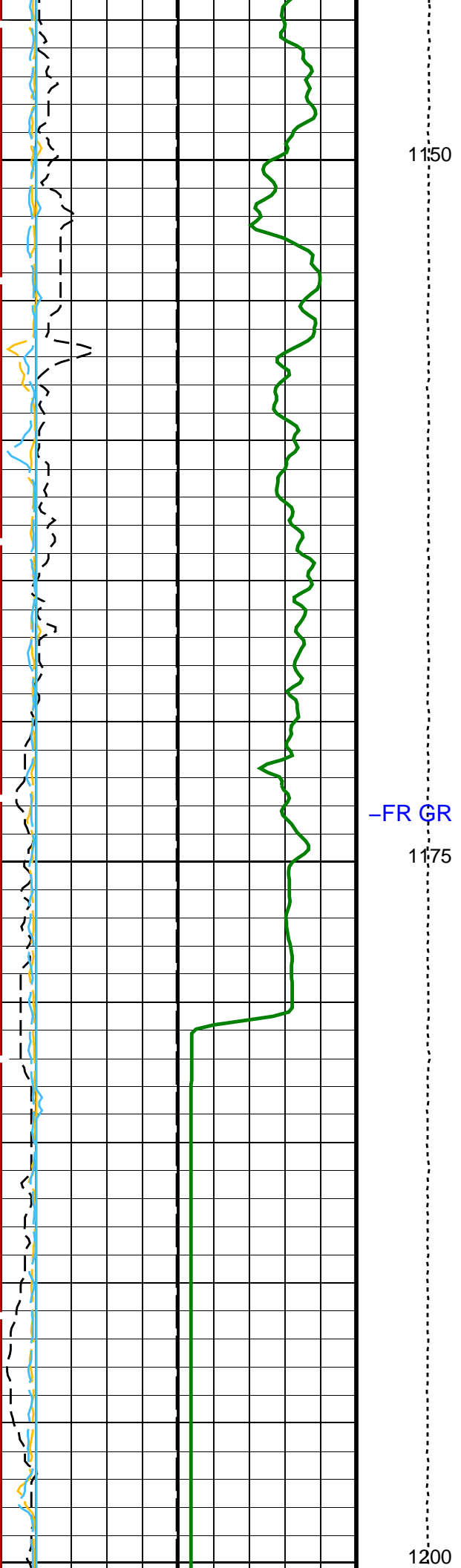


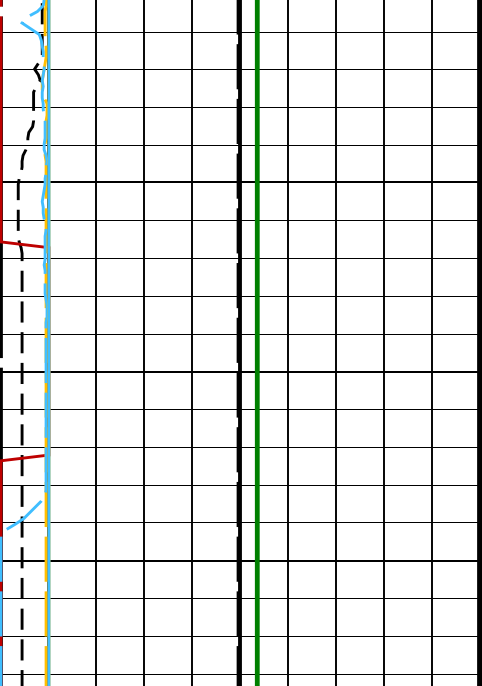






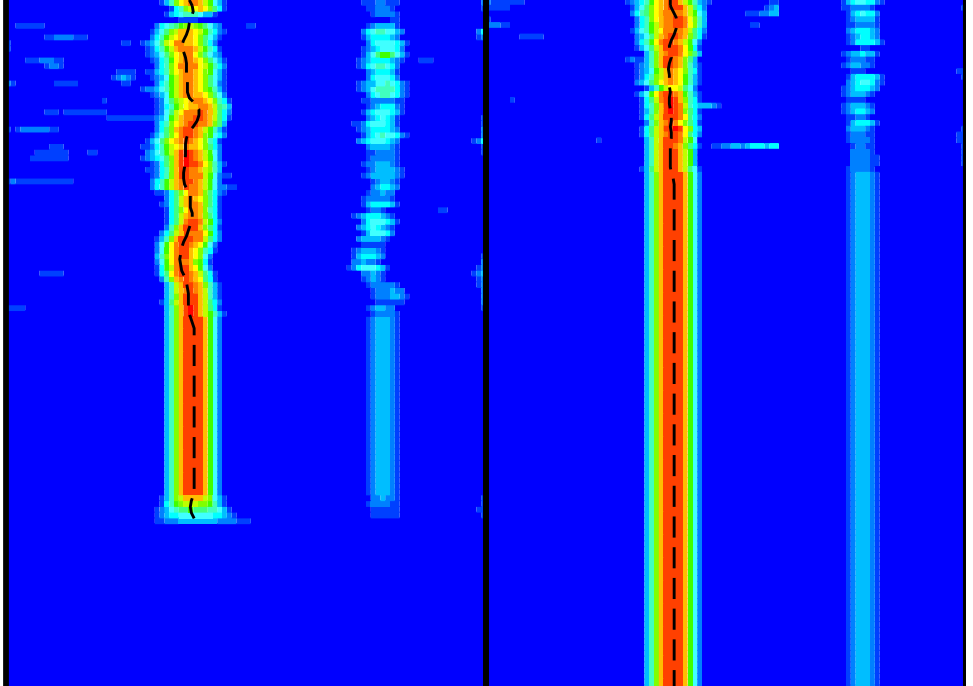






FR DSI-

TD



Bit Size (BS) (IN)	0	20
SAM4 Waveform Gain (WFG4) (----	0	1000
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)	0	10
Peak Coherence / RA – P & S Comp (CHRP)	0	10
Peak Coherence / TA – P & S Comp (CHTP)	0	10
Peak Coherence / RA – P & S Shear (CHRS)	-1	9
Peak Coherence / TA – P & S Shear (CHTS)	-1	9
HNGS Spectroscopy Gamma Ray (HSGR)	0	100

Tension (TENS) (LBF)	10000	0
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Delta-T Comp / TA – P & S (DTTP)	40	240
----------------------------------	----	-----

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

Delta-T Shear / TA – P & S (DTTS)	40	240
-----------------------------------	----	-----

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

Min	Amplitude	Max
40	(US/F)	240

Min	Amplitude	Max
40	(US/F)	240

Uplong 2 Main Pass

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	60
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	60 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	202 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	205 US/F

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	LCAL	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	0	
RSMN	Label Shear/Compressional Minimum Ratio – Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio – Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	239	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
HRLT–B:	High Resolution Laterolog Array – B		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00381071	
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	0.967407	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.975765	
EDTC–B:	Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_011LUP FN:12 PRODUCER 27-Jan-2018 16:51 1218.4 M 560.2 M

Output DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_042PUP FN:58 PRODUCER 28-Jan-2018 22:03

Input DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_011LUP FN:12 PRODUCER 27-Jan-2018 16:51 1218.4 M 560.2 M

Output DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_042PUP FN:58 PRODUCER 28-Jan-2018 22:03 1218.4 M 560.2 M

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

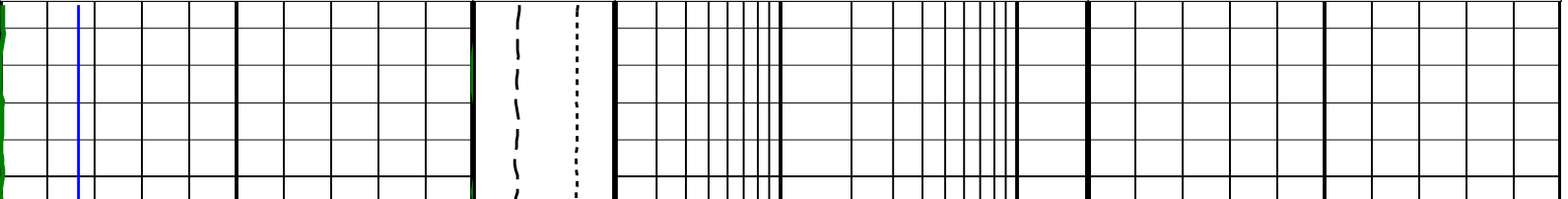
Changed Parameter Summary

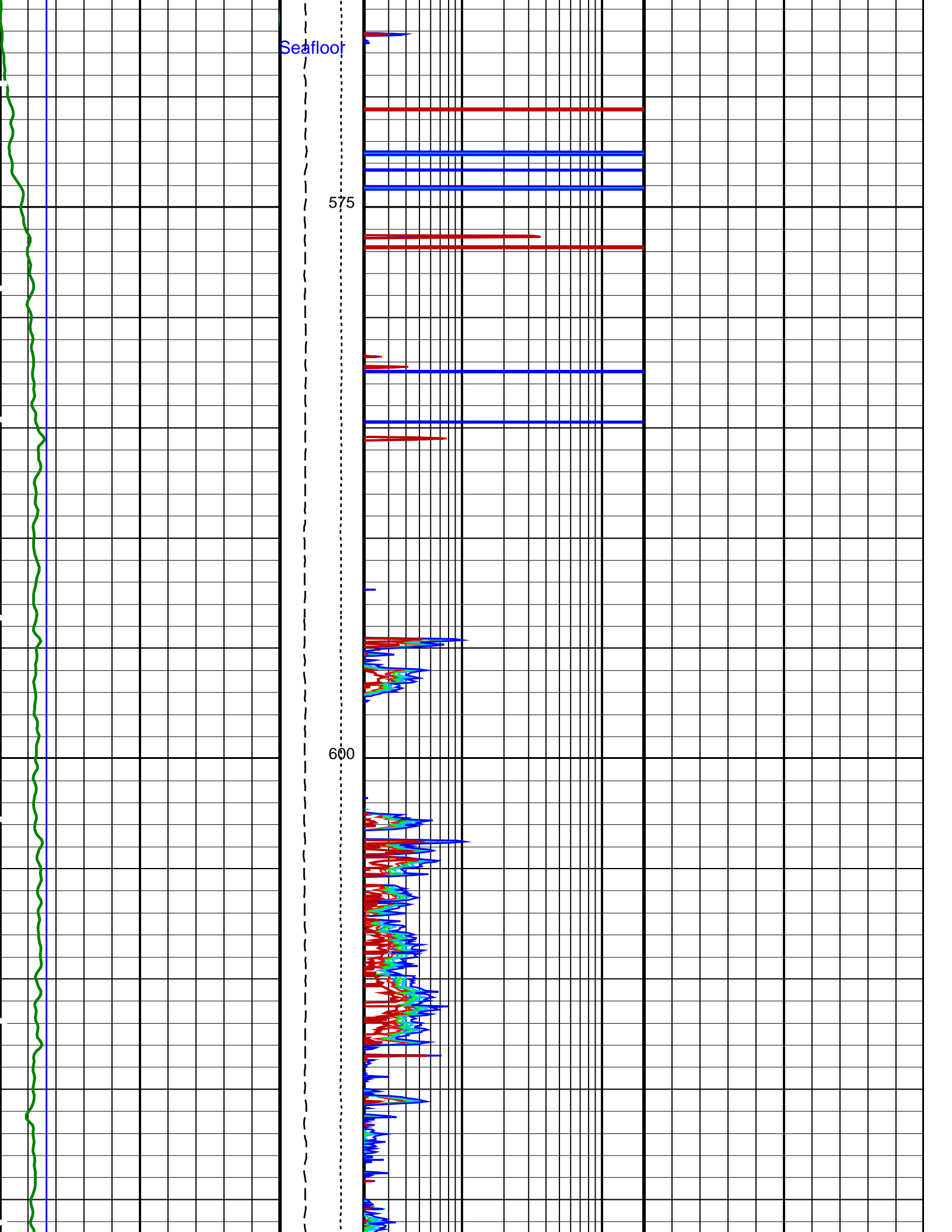
DLIS Name	New Value	Previous Value	Depth & Time
COLL	120 US/F	60 US/F	834.7 22:04:32

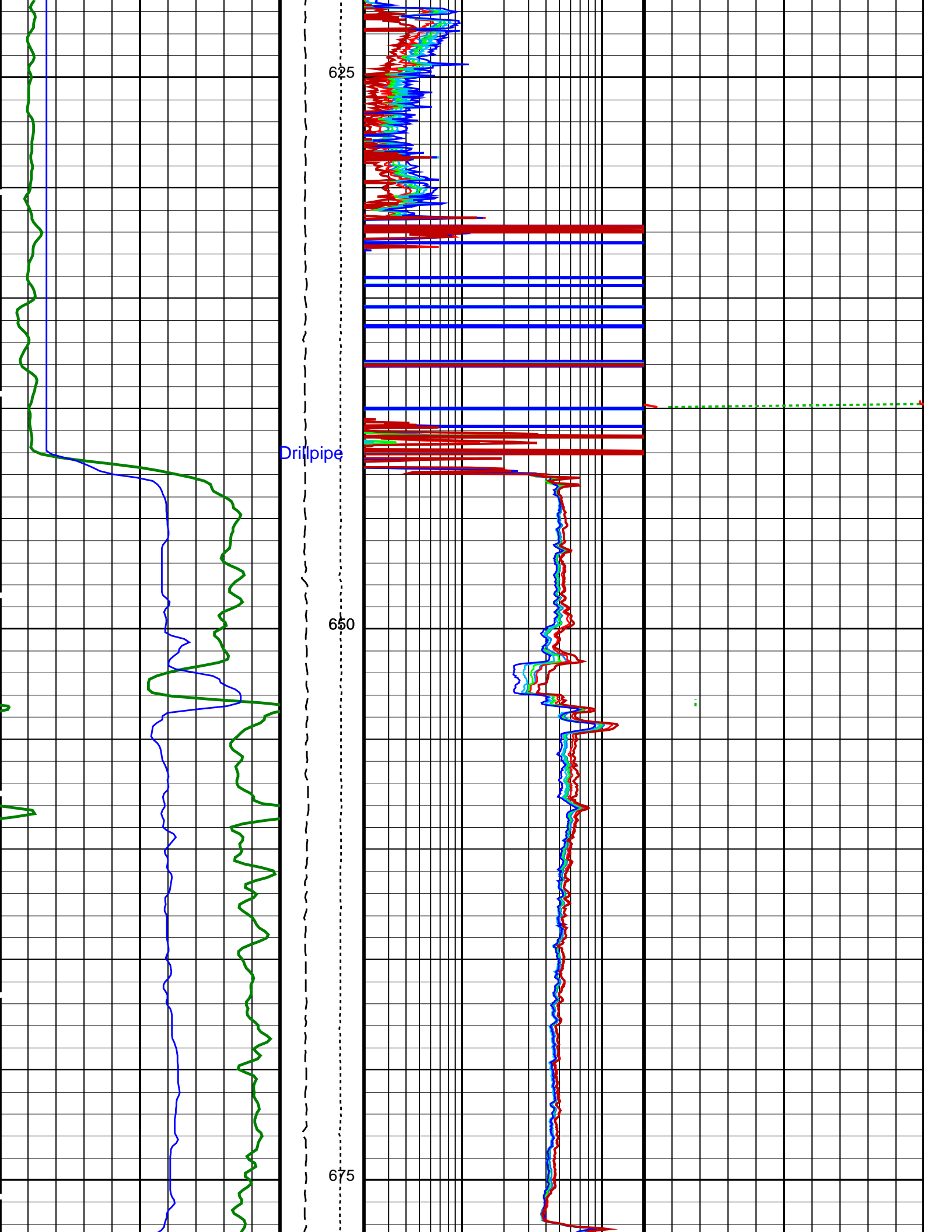
PIP SUMMARY

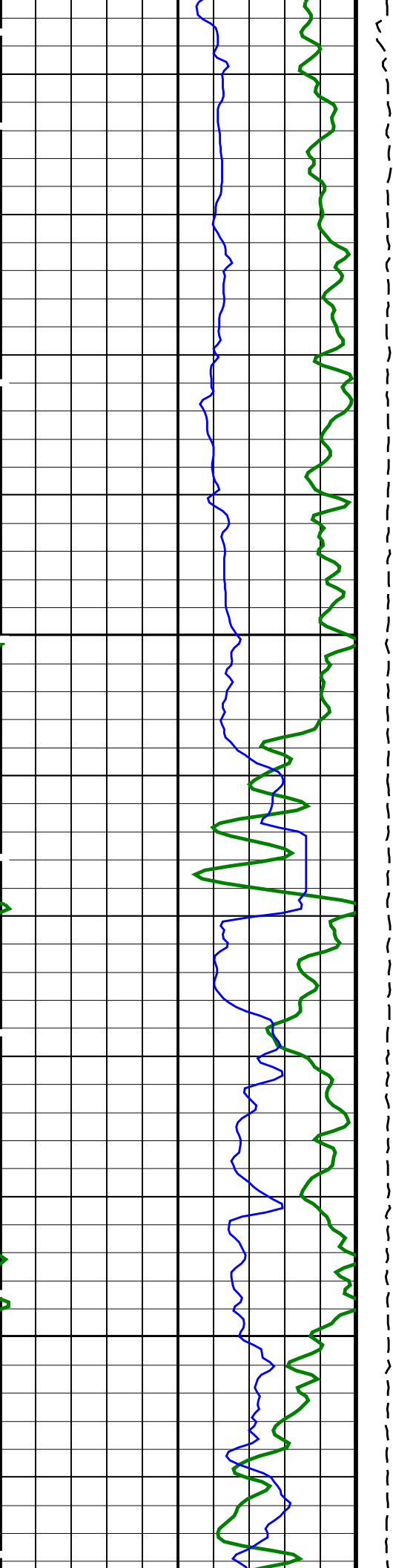
Time Mark Every 60 S

Uplog 2 Main Pass	HRLT True Resistivity (RT_HRLT)		
	0.2 (OHMM)	20	
	HRLT Resistivity 1 (RLA1)		
	0.2 (OHMM)	20	
	HRLT Resistivity 2 (RLA2)		
	0.2 (OHMM)	20	
HRLT Resistivity 3 (RLA3)			
	0.2 (OHMM)	20	HLDS Bulk Density Correction (DRH)
			-0.25 (G/C3) 0.25
HNGS Spectroscopy Gamma Ray (HSGR)	Calibrated Downhole Force (CDF) (LBF)	HRLT Resistivity 5 (RLA5)	
0 (GAPI) 100		0.2 (OHMM)	20
	3000 0		0 (G/C3) 4
HLDS Caliper (LCAL)	Tension (TENS) (LBF)	HRLT Resistivity 4 (RLA4)	
0 (IN) 20		0.2 (OHMM)	20
	10000 0		0 (----) 10



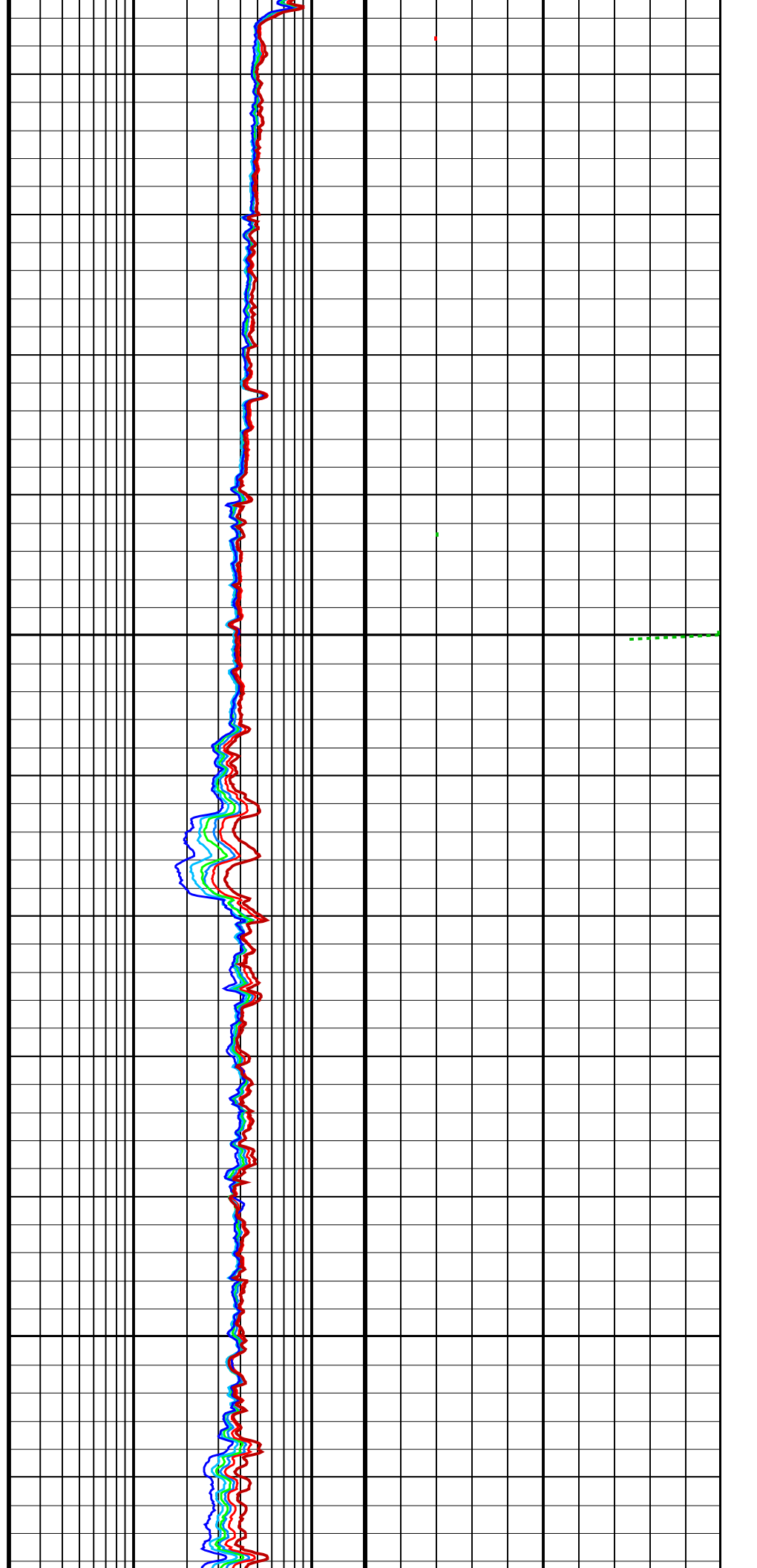


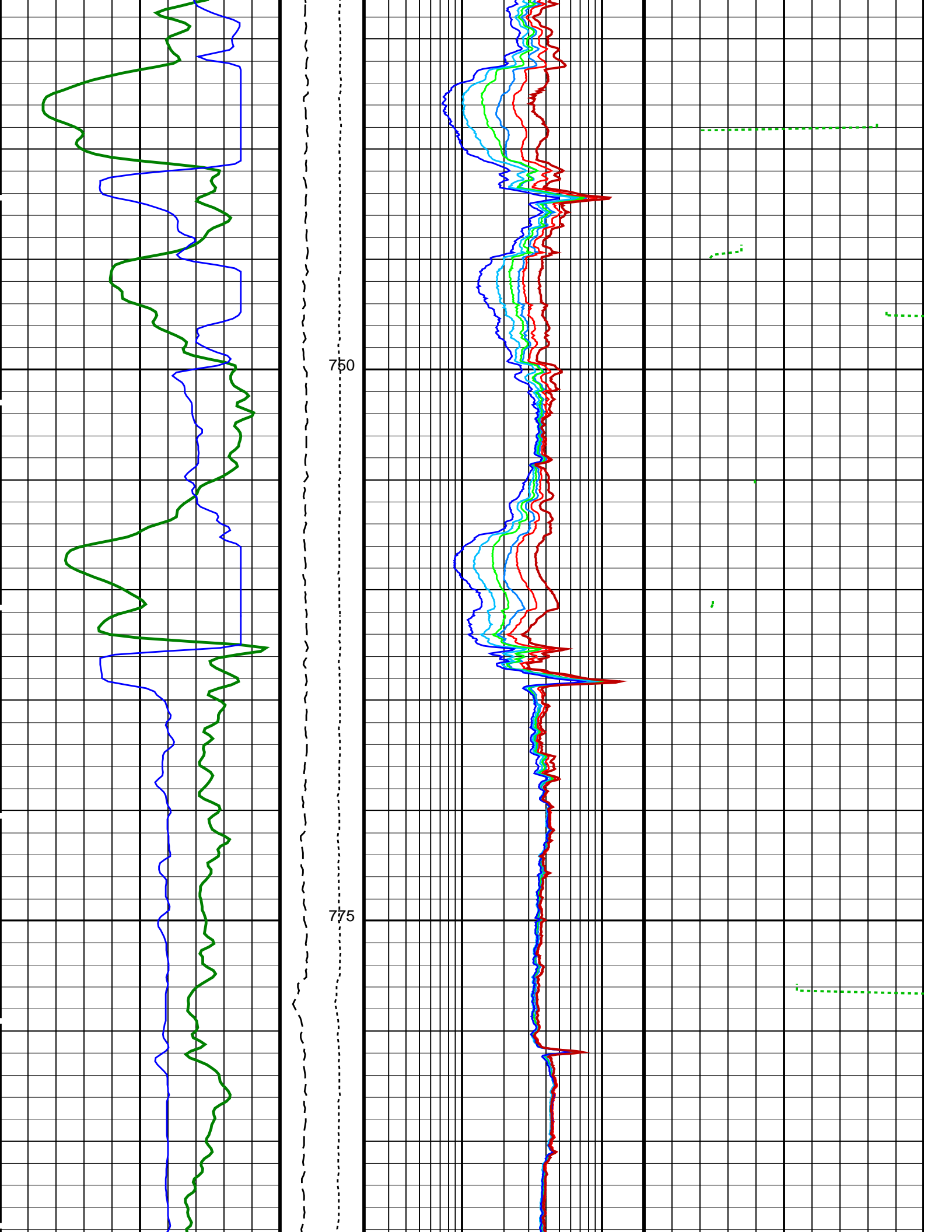


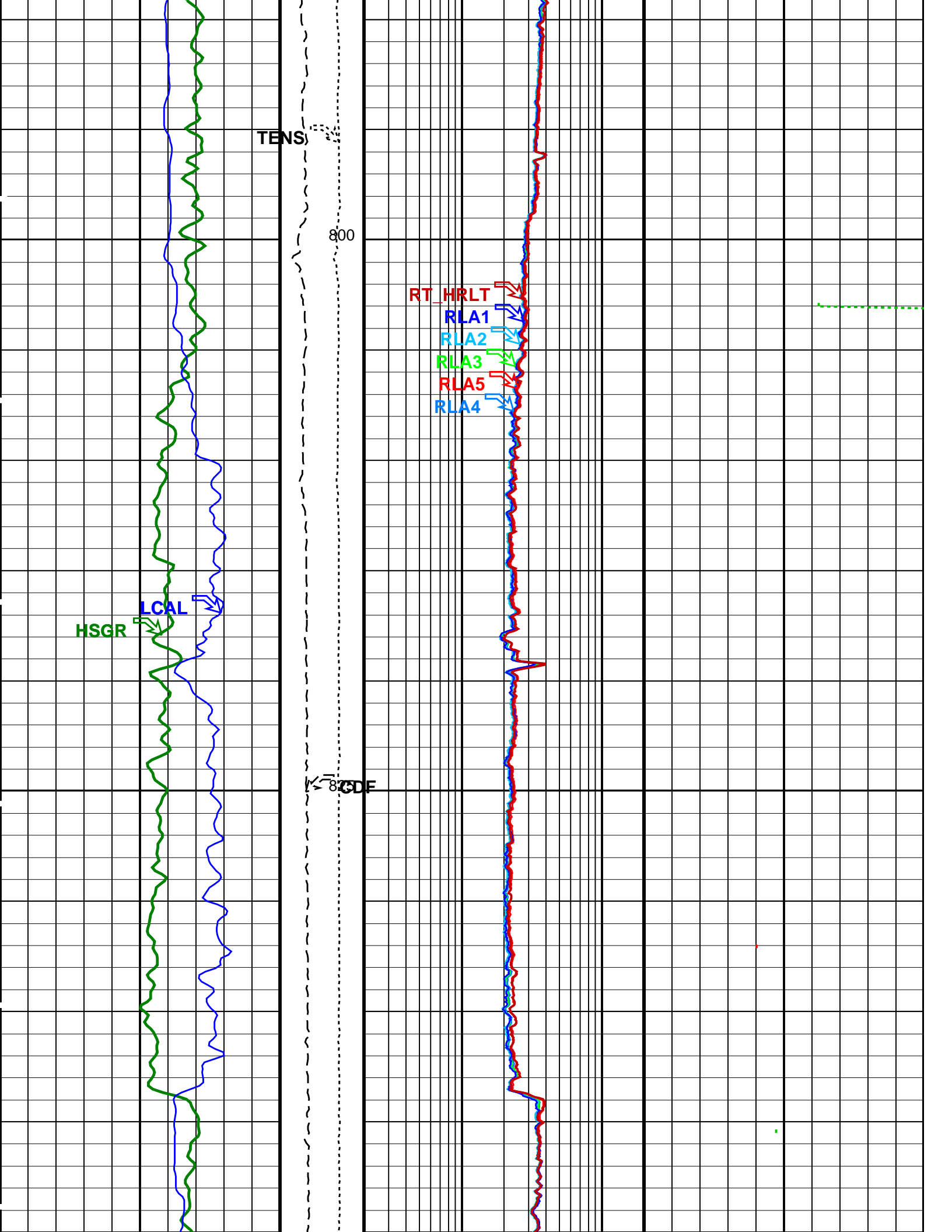


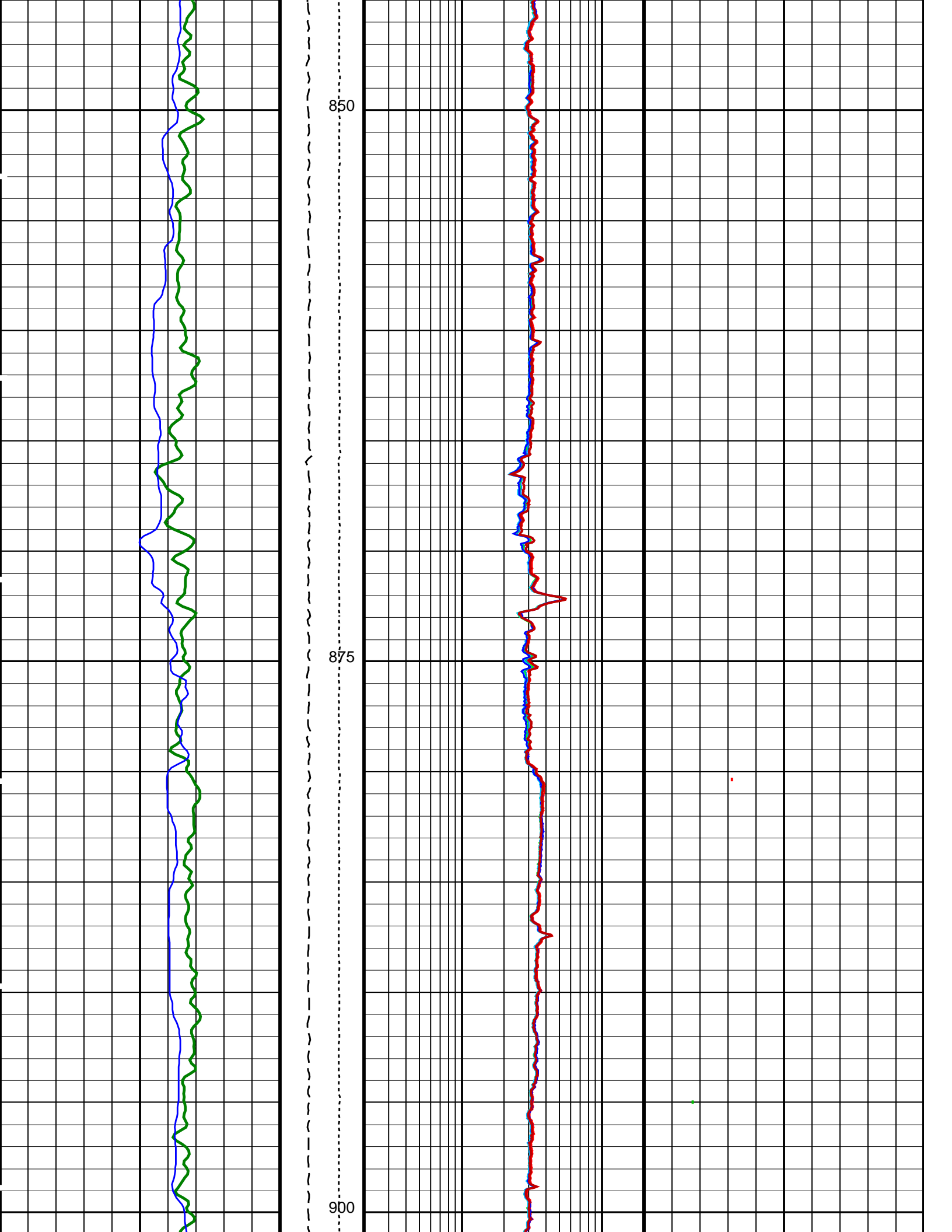
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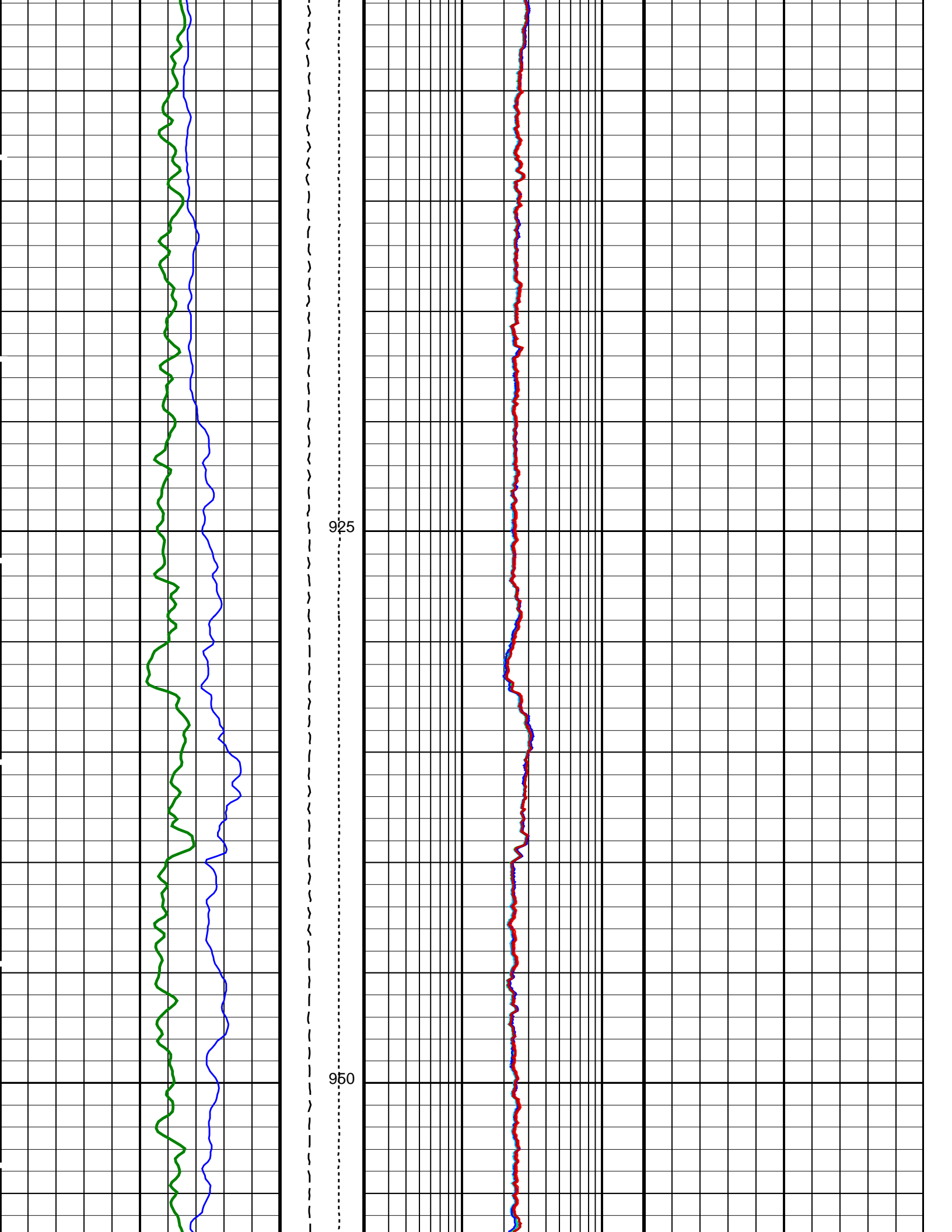
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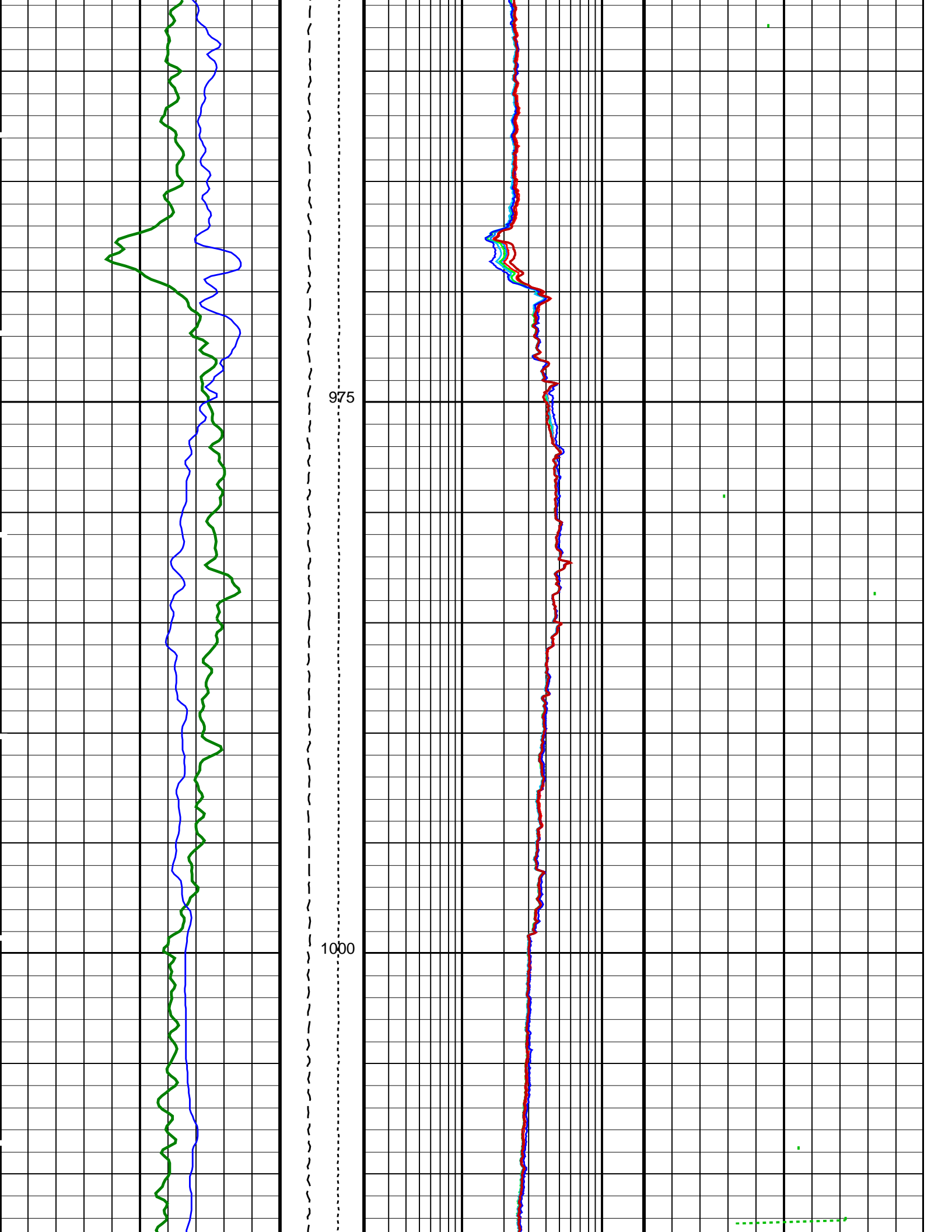


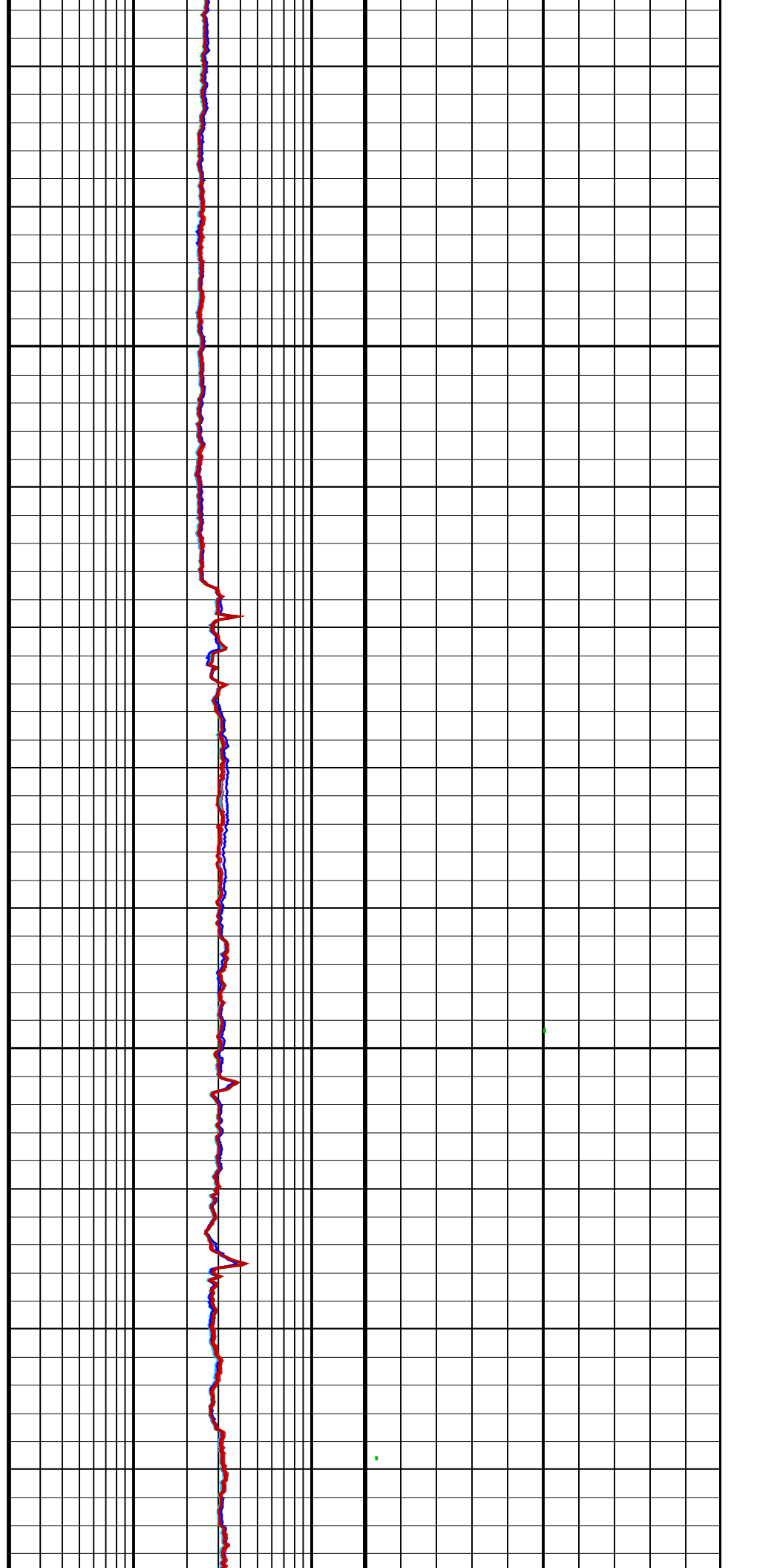
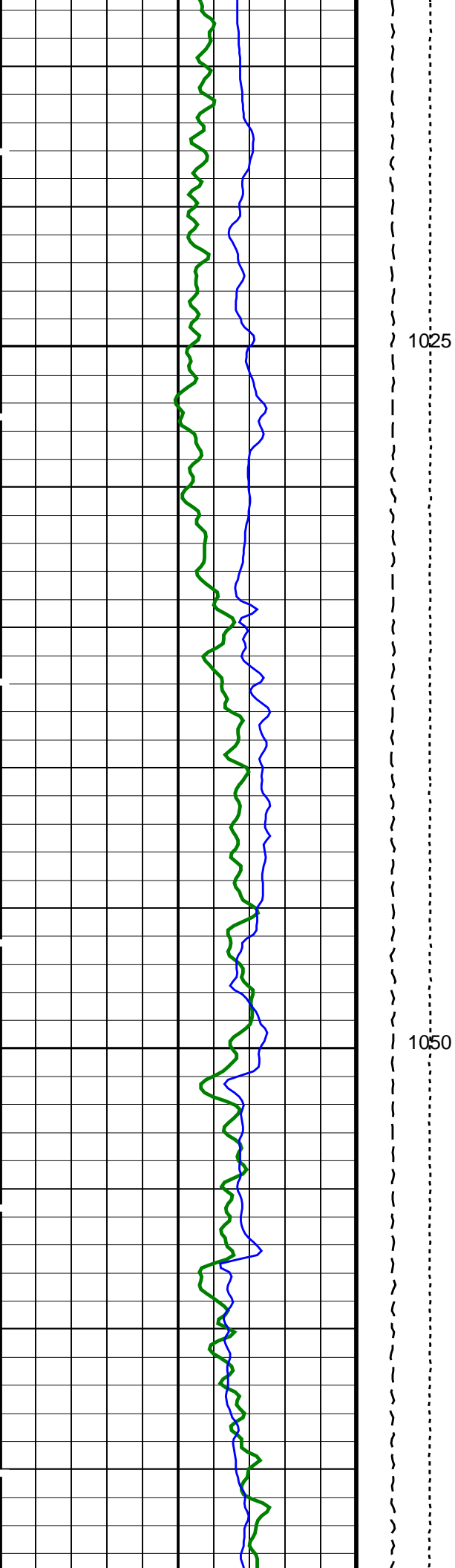


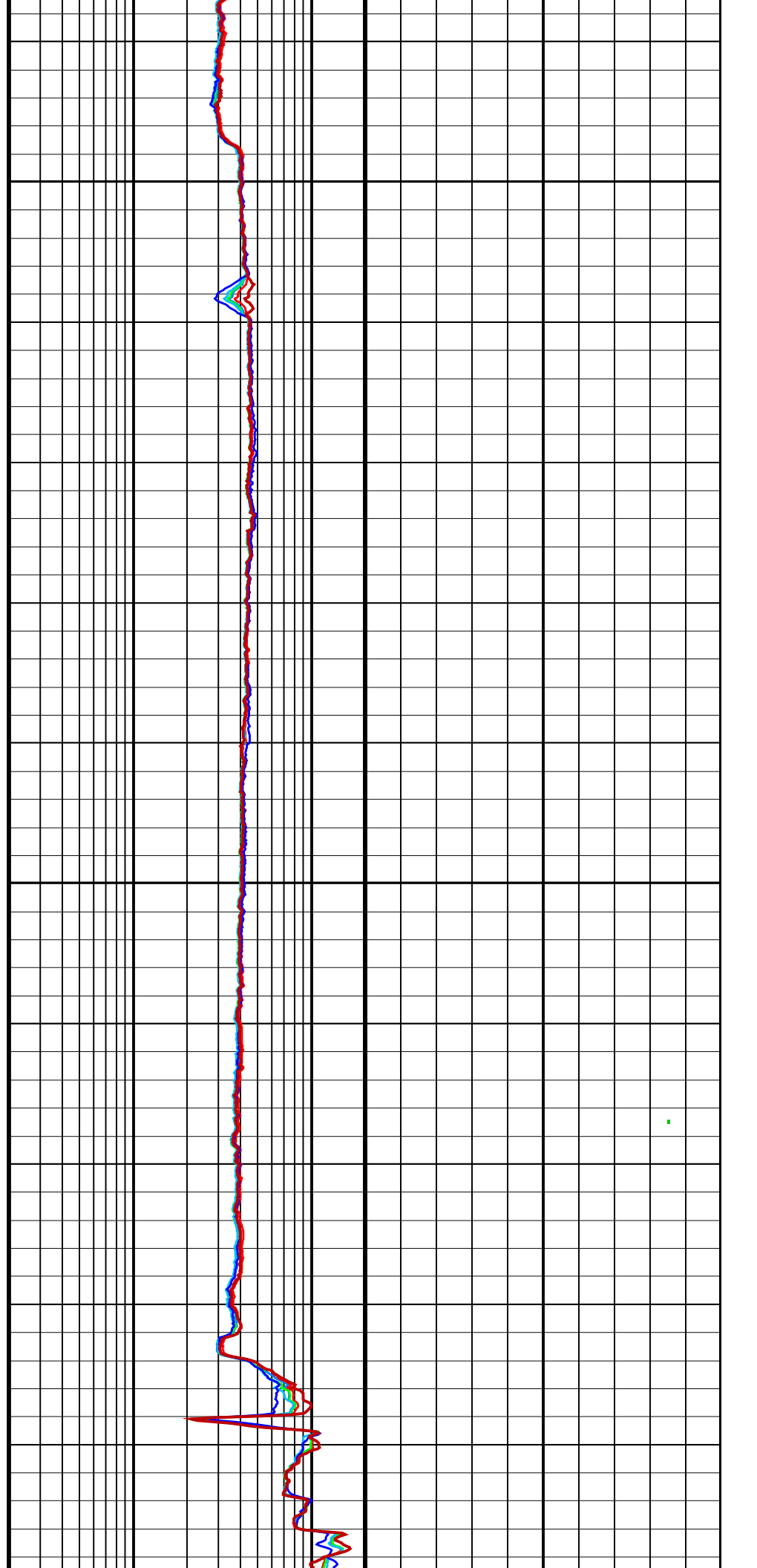
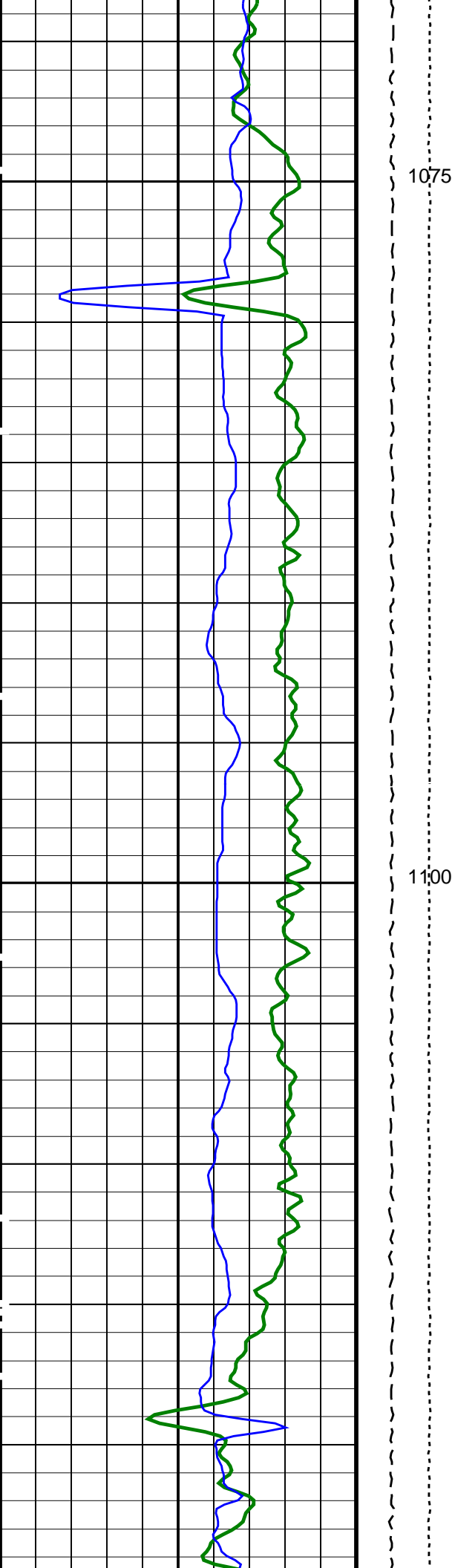


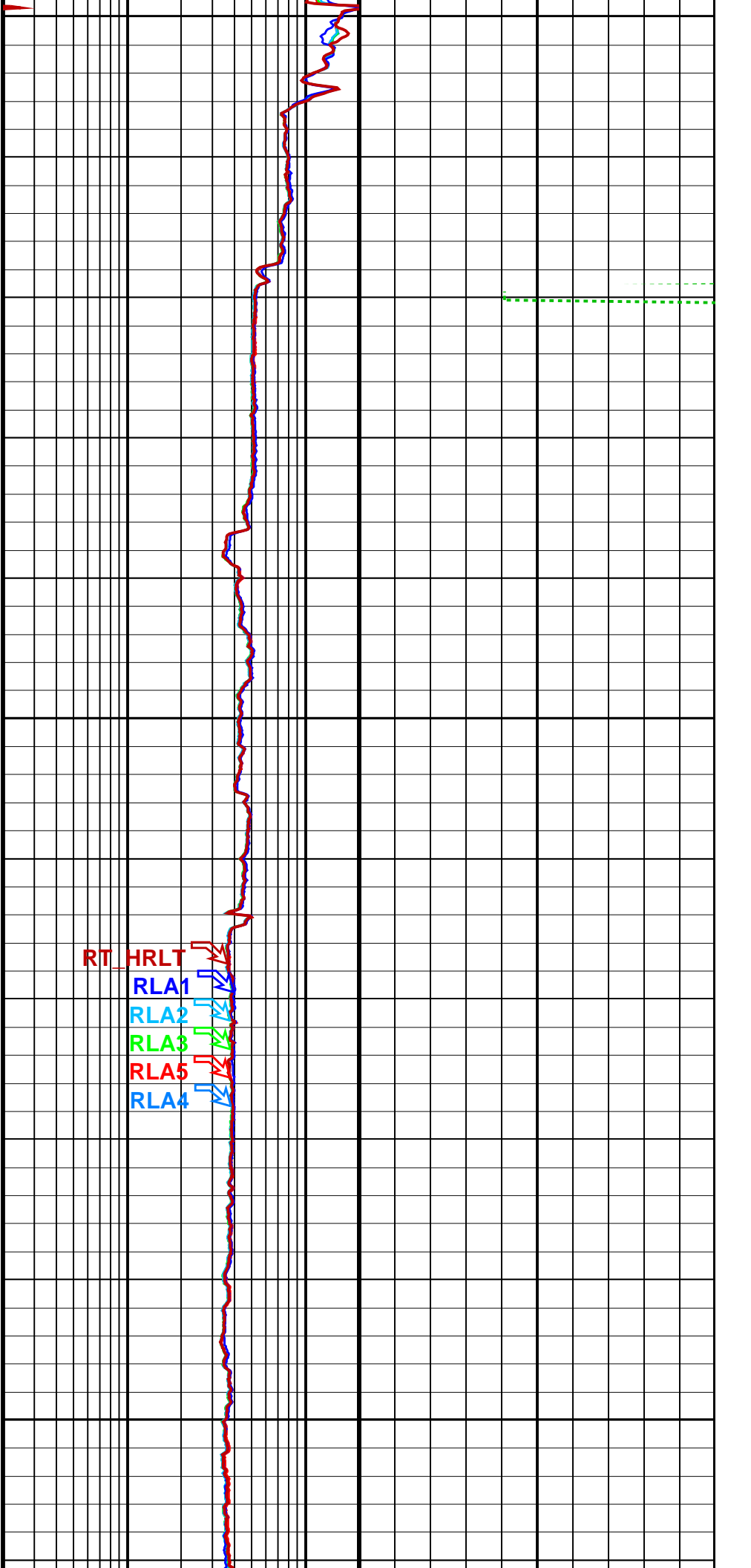
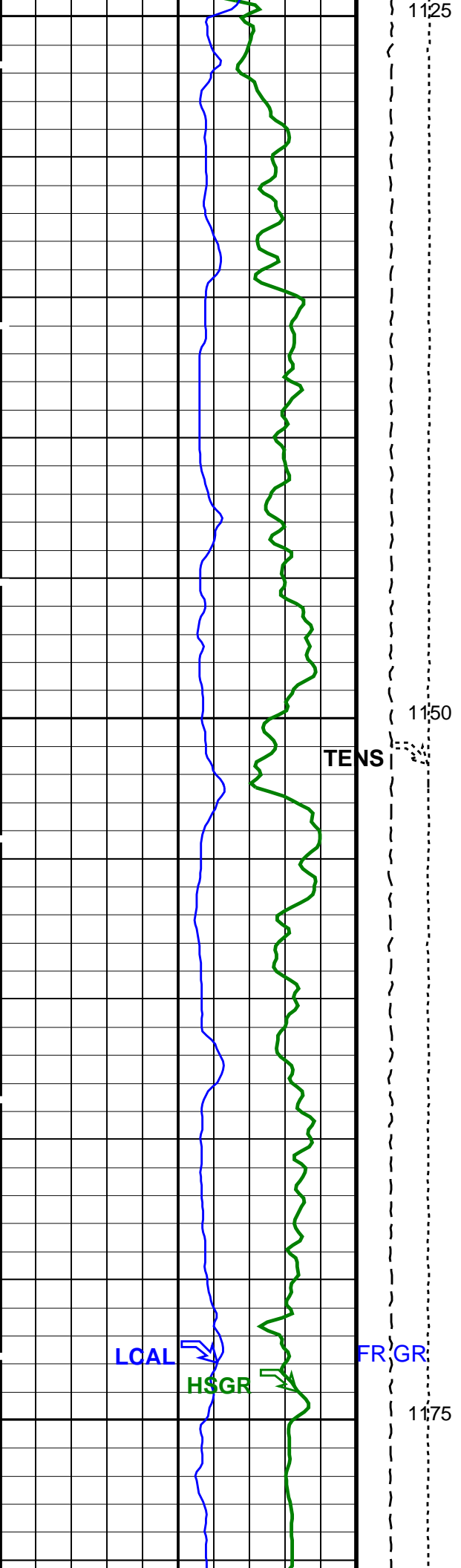


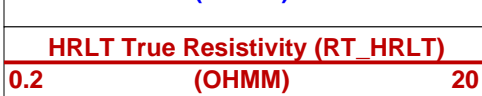
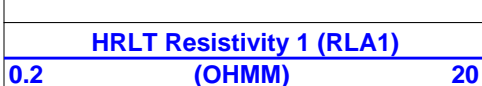
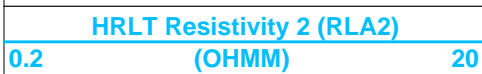
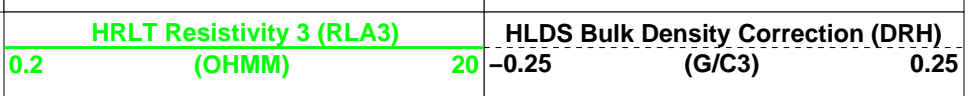
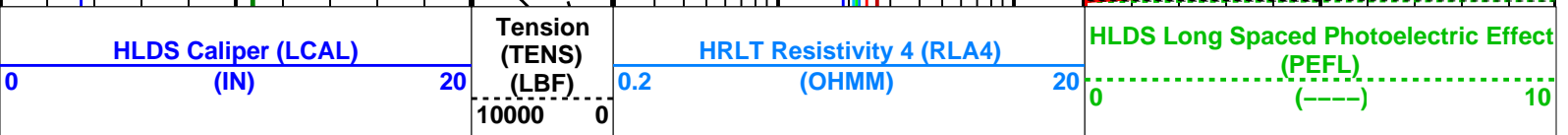
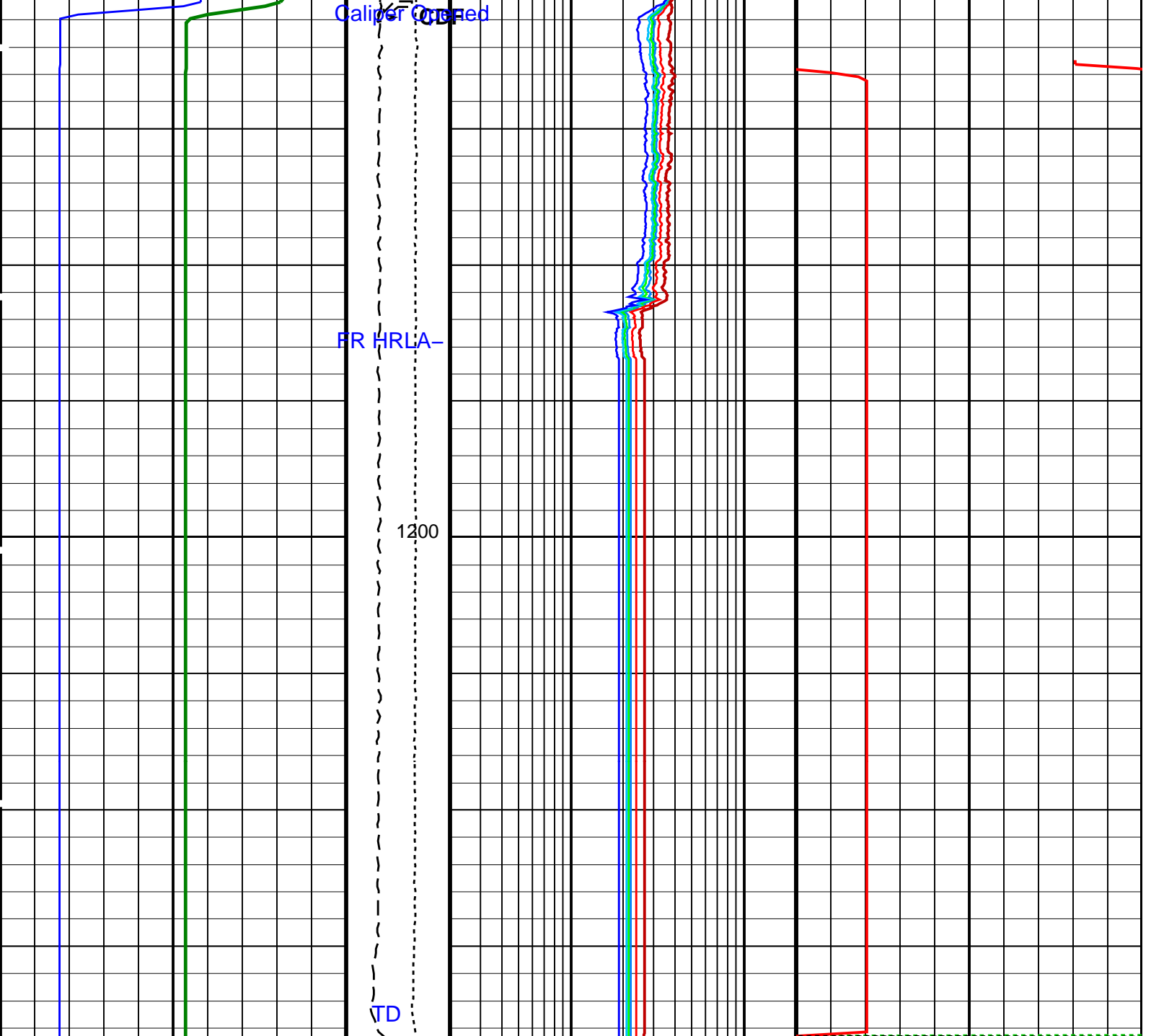












Uplong 2 Main pass

Parameters

DLIS Name	Description	Value
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DSST-B: Dipole Shear Imager - B

AGC1	Automatic Gain Control 1	ON
AGC2	Automatic Gain Control 2	ON
AGC3	Automatic Gain Control 3	ON
AGC4	Automatic Gain Control 4	ON
AGC5	Automatic Gain Control 5	ON
AGCX	Automatic Gain Control X	ON
BARS_MTR1	Length for Monopole Transmitter to Receiver 1	2.7432 M
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	212 DEGF
CASF	Label Casing Function - Monopole P&S	60
CDTS	C-Delta-T Shale	100 US/F
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	60 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	202 US/F
DDE1	Digitizing Delay 1	0 US
DDE2	Digitizing Delay 2	0 US
DDE3	Digitizing Delay 3	0 US
DDE4	Digitizing Delay 4	0 US
DDE5	Digitizing Delay 5	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DLHS	Label Hole Diameter Source for SOBS Channel	AUTO
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSI2	Digitizer Sample Interval 2	40 US
DSI3	Digitizer Sample Interval 3	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSI5	Digitizer Sample Interval 5	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	205 US/F
DTM	Delta-T Matrix	56 US/F
DTSS	Shear Delta-T Source for DTSM Channel	LOWER_DIPOLE
DWC1	Digitizer Word Count 1	512
DWC2	Digitizer Word Count 2	512
DWC3	Digitizer Word Count 3	512
DWC4	Digitizer Word Count 4	512
DWC5	Digitizer Word Count 5	512
DWCX	Digitizer Word Count X	512
FDE1	Firing Delay 1	0
FDE2	Firing Delay 2	0
FDE3	Firing Delay 3	0
FDE4	Firing Delay 4	0
FDE5	Firing Delay 5	0
FDEX	Firing Delay X	0
FGM5	First Motion Gate Moveout 5	40 US/F
FGMX	First Motion Gate Moveout X	40 US/F
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
FMG5	First Motion Minimum Gate 5	500 US
FMGX	First Motion Minimum Gate X	500 US
FMLL	Slowness Lower Limit - FMD	40 US/F
FMRC	Restart Control - FMD	CONTINUE
FMT5	First Motion Threshold 5	UP
FMTX	First Motion Threshold X	NONE
FMUL	Slowness Upper Limit - FMD	180 US/F
FNC5	First Motion Noise Counter Input 5	ALO
FNCX	First Motion Noise Counter Input X	ALO
FPM	Processing Mode - FMD	NONE
FTD5	First Motion Threshold Direction 5	UP
FTDX	First Motion Threshold Direction X	UP
GAI1	Manual Gain 1	10
GAI2	Manual Gain 2	10
GAI3	Manual Gain 3	6
GAI4	Manual Gain 4	16
GAI5	Manual Gain 5	16
GAIX	Manual Gain X	10
GCSE	Generalized Caliper Selection	LCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GDT1	Gain Delta-T 1	800 US/F
GDT2	Gain Delta-T 2	800 US/F
GDT3	Gain Delta-T 3	800 US/F
GDT4	Gain Delta-T 4	160 US/F
GDT5	Gain Delta-T 5	160 US/F
GDTX	Gain Delta-T X	800 US/F

GGRD	Geothermal Gradient	0.01	DF/F
GIN1	Gain Interval 1	15360	US
GIN2	Gain Interval 2	15360	US
GIN3	Gain Interval 3	15360	US
GIN4	Gain Interval 4	2560	US
GIN5	Gain Interval 5	1600	US
GINX	Gain Interval X	15360	US
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HPF1	High Pass Filter 1	F80	
HPF2	High Pass Filter 2	F80	
HPF3	High Pass Filter 3	F80	
HPF4	High Pass Filter 4	F8K	
HPF5	High Pass Filter 5	F8K	
HPFX	High Pass Filter X	F80	
ISSBAR	Barite Mud Switch	BARITE	
ITTS	Integrated Transit Time Source	DTCO	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
LPF1	Low Pass Filter 1	F5K	
LPF2	Low Pass Filter 2	F5K	
LPF3	Low Pass Filter 3	F5K	
LPF4	Low Pass Filter 4	F30K	
LPF5	Low Pass Filter 5	F30K	
LPFX	Low Pass Filter X	F5K	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MAI5	Slowness Averaging Interval - FMD	42	IN
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCS	Mean Casing Slowness	57	US/F
MDS5	Multishot Delta-T Scatter - FMD	20	US
MTXG	Monopole Transmitter Geometry	186	IN
MUX1	Sum Difference Multiplexor Input 1	RR	
MUX2	Sum Difference Multiplexor Input 2	RR	
MUX3	Sum Difference Multiplexor Input 3	RR	
MUX4	Sum Difference Multiplexor Input 4	RR	
MUX5	Sum Difference Multiplexor Input 5	RR	
MUXX	Sum Difference Multiplexor Input X	RR	
NTI5	Number Threshold Items 5	0	
NTIX	Number Threshold Items X	0	
NWI1	Number Waveform Items 1	8	
NWI2	Number Waveform Items 2	8	
NWI3	Number Waveform Items 3	0	
NWI4	Number Waveform Items 4	8	
NWI5	Number Waveform Items 5	0	
NWIX	Number Waveform Items X	0	
NWS1	Number Waveforms Stacked 1	1	
NWS2	Number Waveforms Stacked 2	1	
NWS3	Number Waveforms Stacked 3	1	
NWS4	Number Waveforms Stacked 4	1	
NWS5	Number Waveforms Stacked 5	1	
NWSX	Number Waveforms Stacked X	1	
RATE	Firing Rate	R7	
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAM3	DSST Sonic Acquisition Mode 3 - Monopole Mode for Stoneley	OFF	
SAM4	DSST Sonic Acquisition Mode 4 - Monopole Mode for P&S	EVEN	
SAM5	DSST Sonic Acquisition Mode 5 - Monopole Mode for FMD	OFF	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SAS3	STC Sonic Array Status - Monopole Stoneley	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SAS5	Sonic Array Status - FMD	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBO3	STC Search Band Offset - Monopole Stoneley	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SBW3	STC Search Bandwidth - Monopole Stoneley	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFC3	STC Formation Character - Monopole Stoneley	SELECTABLE	

SELECTABLE	STC Formation Character - Monopole P&S		
SFC3	STC Formation Character - Monopole Stoneley		
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SFM2	STC Filter - Upper Dipole	B1-2K	
SFM3	STC Filter - Monopole Stoneley	B.5-1.5K	
SFM4	STC Filter - Monopole P&S	B3-20K	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	239	US/F
SHT	Surface Hole Temperature	55	DEGF
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F
SLL1	STC Slowness Lower Limit - Lower Dipole	40	US/F
SLL2	STC Slowness Lower Limit - Upper Dipole	40	US/F
SLL3	STC Slowness Lower Limit - Monopole Stoneley	180	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPSO	Sonic Porosity Source	DTCO	
SST1	STC Slowness Step - Lower Dipole	4	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SST3	STC Slowness Step - Monopole Stoneley	4	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SSW3	STC Source Waveform - Monopole Stoneley	WF_SAM3	
SSW4	STC Source Waveform - Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit - Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL1	STC Slowness Upper Limit - Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit - Upper Dipole	1040	US/F
SUL3	STC Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
SWD3	STC Slowness Width - Monopole Stoneley	40	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBDB	Tool String Bottom to DSST Bottom	249.908	IN
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TBF3	STC Time for Baseline Fill - Monopole Stoneley	0	US
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TLL3	STC Time Lower Limit - Monopole Stoneley	600	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST1	STC Time Step - Lower Dipole	200	US
TST2	STC Time Step - Upper Dipole	200	US
TST3	STC Time Step - Monopole Stoneley	200	US
TST4	STC Time Step - Monopole P&S	50	US
TTDB	Tool String Top to DSST Bottom	1656.11	IN
TUL1	STC Time Upper Limit - Lower Dipole	18960	US
TUL2	STC Time Upper Limit - Upper Dipole	18440	US
TUL3	STC Time Upper Limit - Monopole Stoneley	12000	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWA1	Transmitter Waveform Amplitude 1	179	
TWA2	Transmitter Waveform Amplitude 2	179	
TWA3	Transmitter Waveform Amplitude 3	166	
TWA4	Transmitter Waveform Amplitude 4	150	
TWA5	Transmitter Waveform Amplitude 5	150	
TWAX	Transmitter Waveform Amplitude X	179	
TWD1	STC Time Width - Lower Dipole	2000	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWD3	STC Time Width - Monopole Stoneley	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWI3	STC Integration Time Window - Monopole Stoneley	2400	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWR1	Transmitter Waveform Sample Rate 1	20	US
TWR2	Transmitter Waveform Sample Rate 2	5	US
TWR3	Transmitter Waveform Sample Rate 3	5	US
TWR4	Transmitter Waveform Sample Rate 4	5	US
TWR5	Transmitter Waveform Sample Rate 5	5	US
TWRX	Transmitter Waveform Sample Rate X	5	US
TWS1	Transmitter Waveform Select 1	2	
TWS2	Transmitter Waveform Select 2	0	
TWS3	Transmitter Waveform Select 3	4	
TWS4	Transmitter Waveform Select 4	6	
TWS5	Transmitter Waveform Select 5	6	
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFDTS1	SAM1 Waveform Delta for Spectrum	0	US/F
WFDTS2	SAM2 Waveform Delta for Spectrum	0	US/F
WFDTS3	SAM3 Waveform Delta for Spectrum	0	US/F
WFDTS4	SAM4 Waveform Delta for Spectrum	0	US/F
WFDTSX	SAMX Waveform Delta for Spectrum	0	US/F
WFLLS1	SAM1 Waveform Lower Limit for Spectrum	0	US
WFLLS2	SAM2 Waveform Lower Limit for Spectrum	0	US

WFLLSP3	SAM3 Waveform Lower Limit for Spectrum	0	US
WFLLSP4	SAM4 Waveform Lower Limit for Spectrum	0	US
WFLLSPX	SAMX Waveform Lower Limit for Spectrum	0	US
WFM1	Waveform Mode 1	W1	
WFM2	Waveform Mode 2	W1	
WFM3	Waveform Mode 3	W1	
WFM4	Waveform Mode 4	W1	
WFM5	Waveform Mode 5	W1	
WFMX	Waveform Mode X	W1	
WFULSP1	SAM1 Waveform Upper Limit for Spectrum	20000	US
WFULSP2	SAM2 Waveform Upper Limit for Spectrum	20000	US
WFULSP3	SAM3 Waveform Upper Limit for Spectrum	20000	US
WFULSP4	SAM4 Waveform Upper Limit for Spectrum	5000	US
WFULSPX	SAMX Waveform Upper Limit for Spectrum	20000	US
XMT1	Transmitter Select 1	DLO	
XMT2	Transmitter Select 2	DUP	
XMT3	Transmitter Select 3	MONO	
XMT4	Transmitter Select 4	MONO	
XMT5	Transmitter Select 5	MONO	
XMTX	Transmitter Select X	DUP	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
CALSTAT	HRLTB Calibration Status	SHALLOW_DONE	
CALTEMP	HRLTB Calibration Temperature	2.87911	DEGC
FREQ0	HRLT Frequency Index for Mode 0	32	
FREQ1	HRLT Frequency Index for Mode 1	128	
FREQ2	HRLT Frequency Index for Mode 2	104	
FREQ3	HRLT Frequency Index for Mode 3	86	
FREQ4	HRLT Frequency Index for Mode 4	56	
FREQ5	HRLT Frequency Index for Mode 5	44	
FREQ6	HRLT Frequency Index for Mode 6	116	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	BARITE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
LOOPCOEF_S	HRLT Loop Coefficient for Shallow Modes	LOW	
LOOPMOD0	HRLT Mode 0 Loop Mode	AUTO	
LOOPMOD1	HRLT Mode 1 Loop Mode	AUTO	
LOOPMOD2	HRLT Mode 2 Loop Mode	AUTO	
LOOPMOD3	HRLT Mode 3 Loop Mode	AUTO	
LOOPMOD4	HRLT Mode 4 Loop Mode	AUTO	
LOOPMOD5	HRLT Mode 5 Loop Mode	AUTO	
LOOPMOD6	HRLT Mode 6 Loop Mode	AUTO	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PROCVN	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSO	Sonde Position	Centered	
SHT	Surface Hole Temperature	55	DEGF
HLDS: Hostile Litho-Density Sonde			
CLCL	HLDS LS Control Loop Controller Mode	AUTO_DEFAULT	
CLCS	HLDS SS Control Loop Controller Mode	AUTO_DEFAULT	
CLLS	HLDS Mode Loop Long Spacing	AUTO	
CLSS	HLDS Mode Loop Short Spacing	AUTO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1	G/C3
LATC	HLDS Activation Correction	OFF	
LLDL	HLDS LS Low Level Discriminator DAC	14000	
LLDS	HLDS SS Low Level Discriminator DAC	14000	
LLML	HLDS LS Low Level Discriminator Mode	AUTO	
LLMS	HLDS SS Low Level Discriminator Mode	AUTO	
MDEN	Matrix Density	2.6	G/C3
PHVL	HLDS Long Spacing High Voltage Setting	1000	V
PHVS	HLDS Short Spacing High Voltage Setting	1000	V
PSDL	HLDS LS Pulse Shape Compensation DAC	30000	
PSDS	HLDS SS Pulse Shape Compensation DAC	30000	
PSML	HLDS LS Pulse Shape Compensation Mode	AUTO	
PSMS	HLDS SS Pulse Shape Compensation Mode	AUTO	
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	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
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	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00381071	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
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	
SHT	Surface Hole Temperature	55	DEGF
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.967407	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.975765	
EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	YES	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	55	DEGF
SOCN	Standoff Distance	0.5	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Eccentered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	
System and Miscellaneous			
ALTDCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	4166	FT
TDD	Total Depth - Driller	1270.30	M
TDL	Total Depth - Logger	1270.11	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: TripleCombo Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 22:03

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_011LUP	FN:12	PRODUCER	27-Jan-2018 16:51	1218.4 M	560.2 M
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Output DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_042PUP FN:58 PRODUCER 28-Jan-2018 22:03

Input DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_010LUP FN:10 PRODUCER 27-Jan-2018 16:21 1218.4 M 1082.2 M

Output DLIS Files

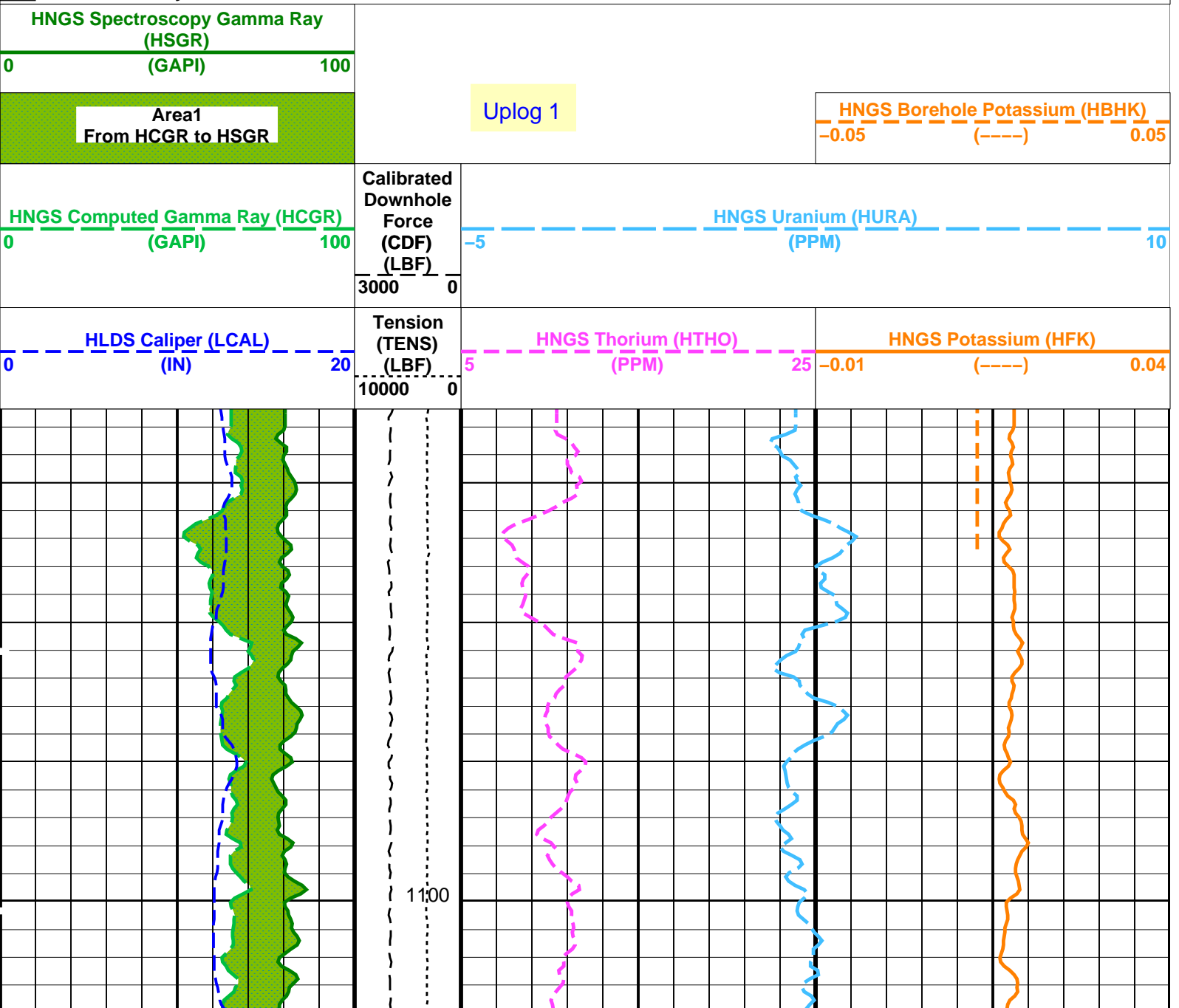
DEFAULT MSS_LDEO_DSI_HRLA_040PUP FN:56 PRODUCER 28-Jan-2018 21:15 1218.4 M 1082.3 M

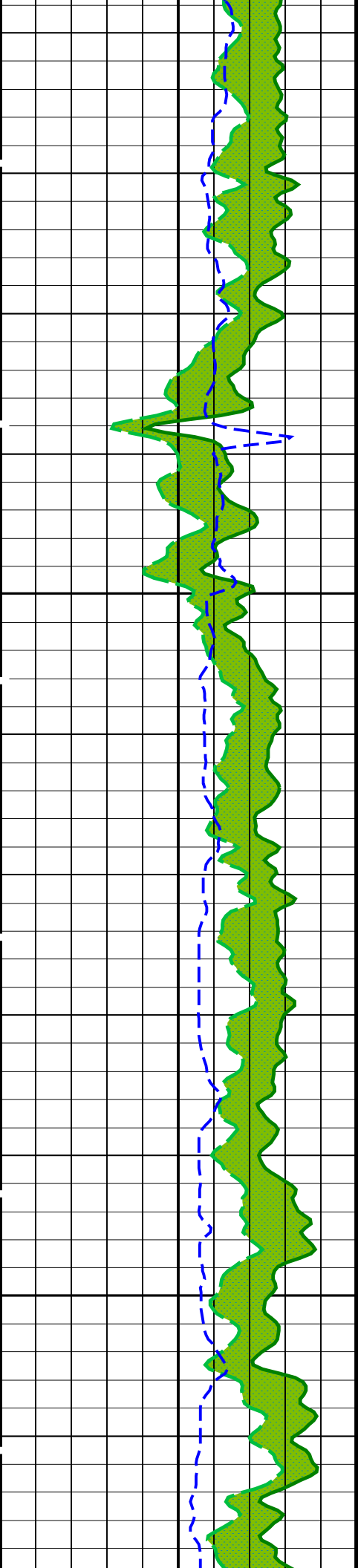
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

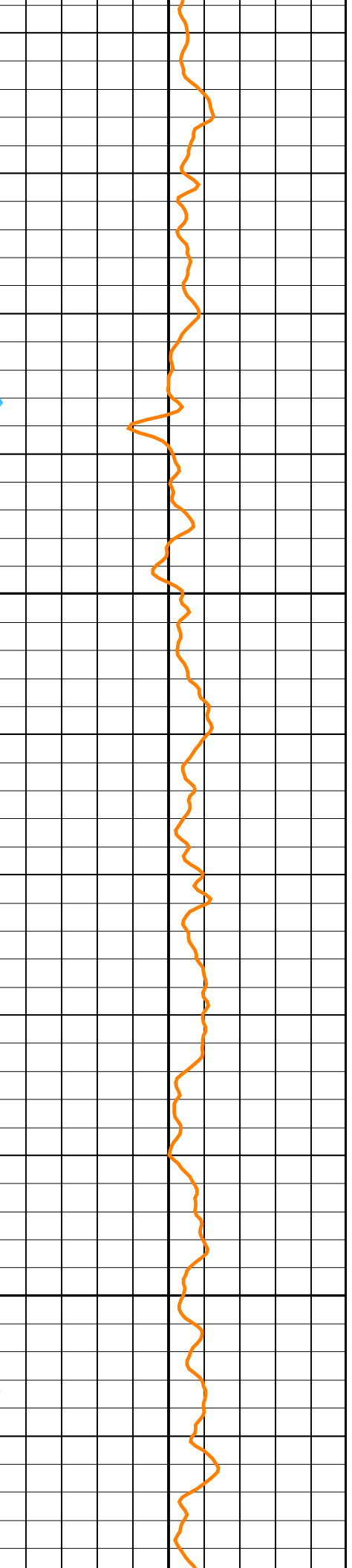
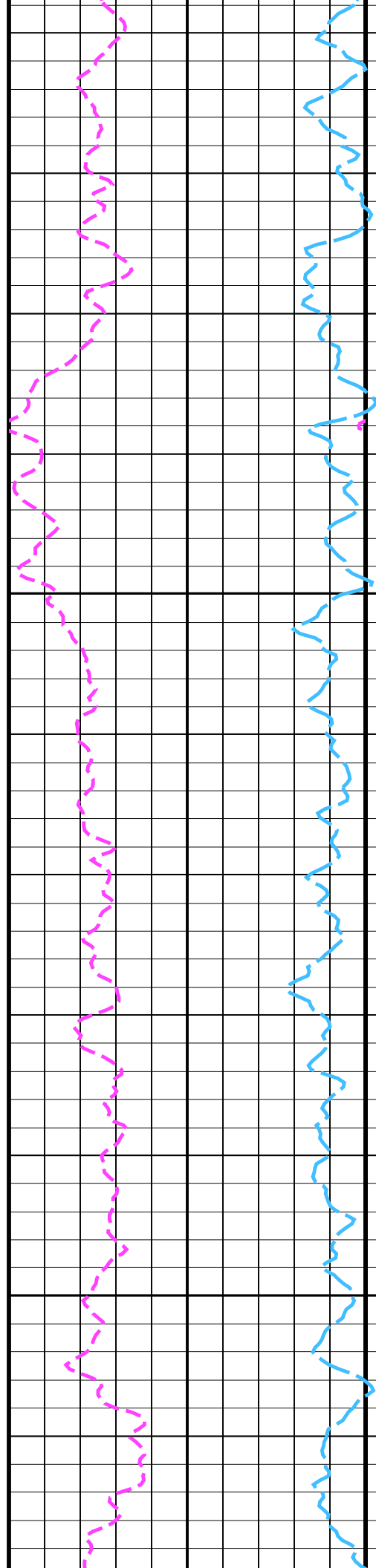
PIP SUMMARY

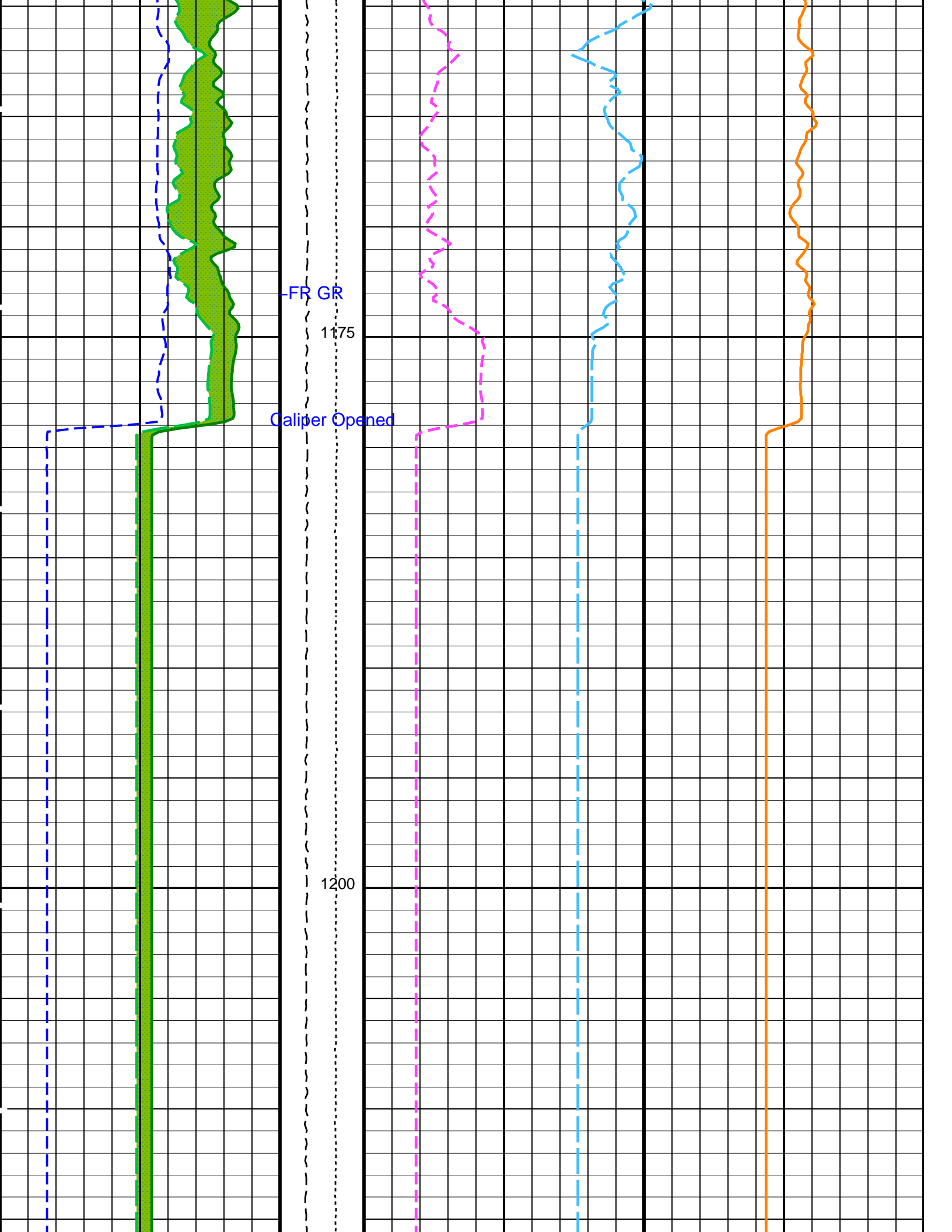
Time Mark Every 60 S

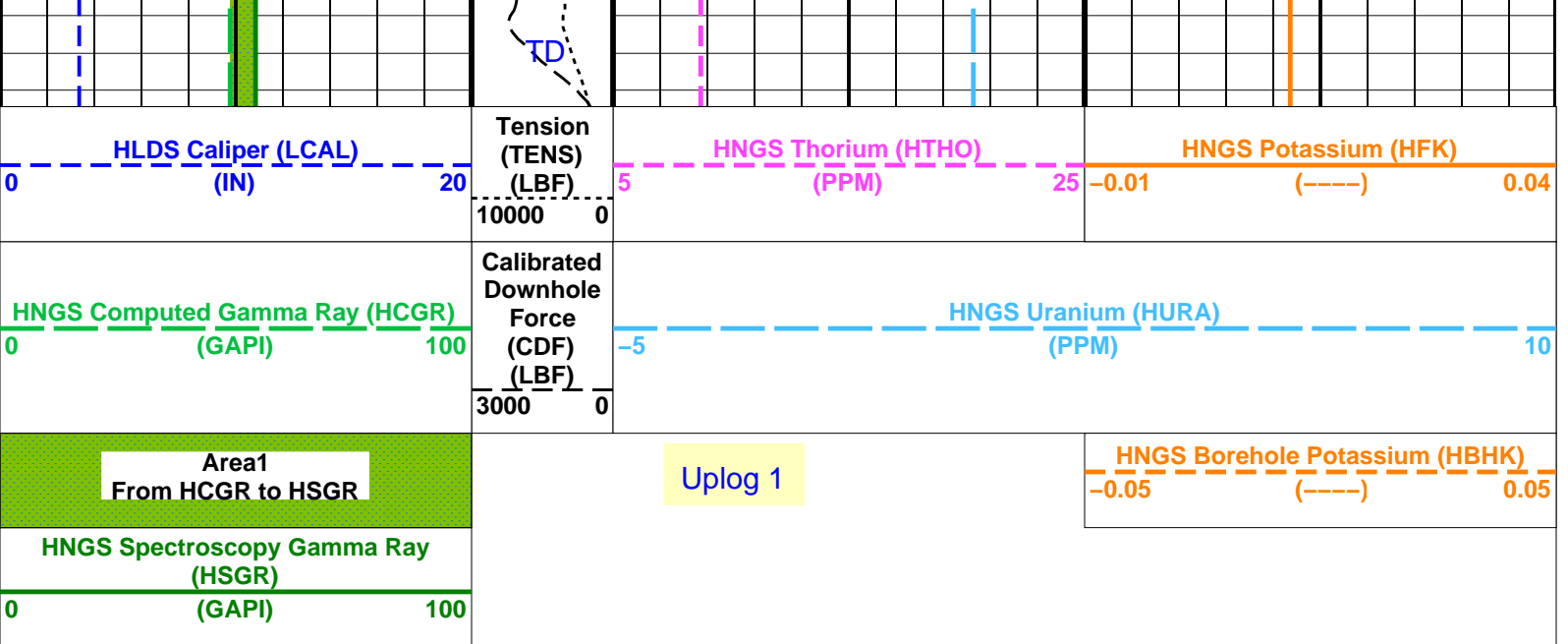




1125
1150







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BHS	DSST-B: Dipole Shear Imager - B		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	LCAL	
BHS	HRLT-B: High Resolution Laterolog Array - B		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	LCAL	
BAR1	HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR2	HNGS Detector 1 Barite Constant	1	
BHK	HNGS Detector 2 Barite Constant	1	
BHS	HNGS Borehole Potassium Correction Concentration	0	
CSD1	Borehole Status	OPEN	
CSD2	Inner Casing Outer Diameter	0	IN
CSW1	Outer Casing Outer Diameter	0	IN
CSW2	Inner Casing Weight	0	LB/F
DBCC	Outer Casing Weight	0	LB/F
GCSE	HNGS Barite Constant Correction Flag	NONE	
H1P	Generalized Caliper Selection	LCAL	
H2P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HALF	HNGS Borehole Potassium Running Average	-0.00319633	
HCRB	HNGS Alpha Filter Length	60	IN
HMWM	HNGS Apply Borehole Potassium Correction	NONE	
HNPE	Mud Weighting Material	BARI	
S1BI	HNGS Processing Enable	YES	
S2BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
TPOS	HNGS Standard Gamma-Ray Correction Flag	YES	
VBA1	Tool Position	ECCE	
VBA2	HNGS Detector 1 Variable Barite Factor Running Average	1.03762	
	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
BHS	EDTC-B: Enhanced DTS Cartridge		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	LCAL	
BS	System and Miscellaneous		
DFD	Bit Size	9.875	IN
DO	Drilling Fluid Density	1.26	G/C3
PP	Depth Offset for Playback	0.0	M
	Playback Processing	RECOMPUTE	

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 28-Jan-2018 21:15

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_010LUP FN:10 PRODUCER 27-Jan-2018 16:21 1218.4 M 1082.2 M

Output DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_040PUP FN:56 PRODUCER 28-Jan-2018 21:15

Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_010LUP FN:10 PRODUCER 27-Jan-2018 16:21 1218.4 M 1082.2 M

Output DLIS Files

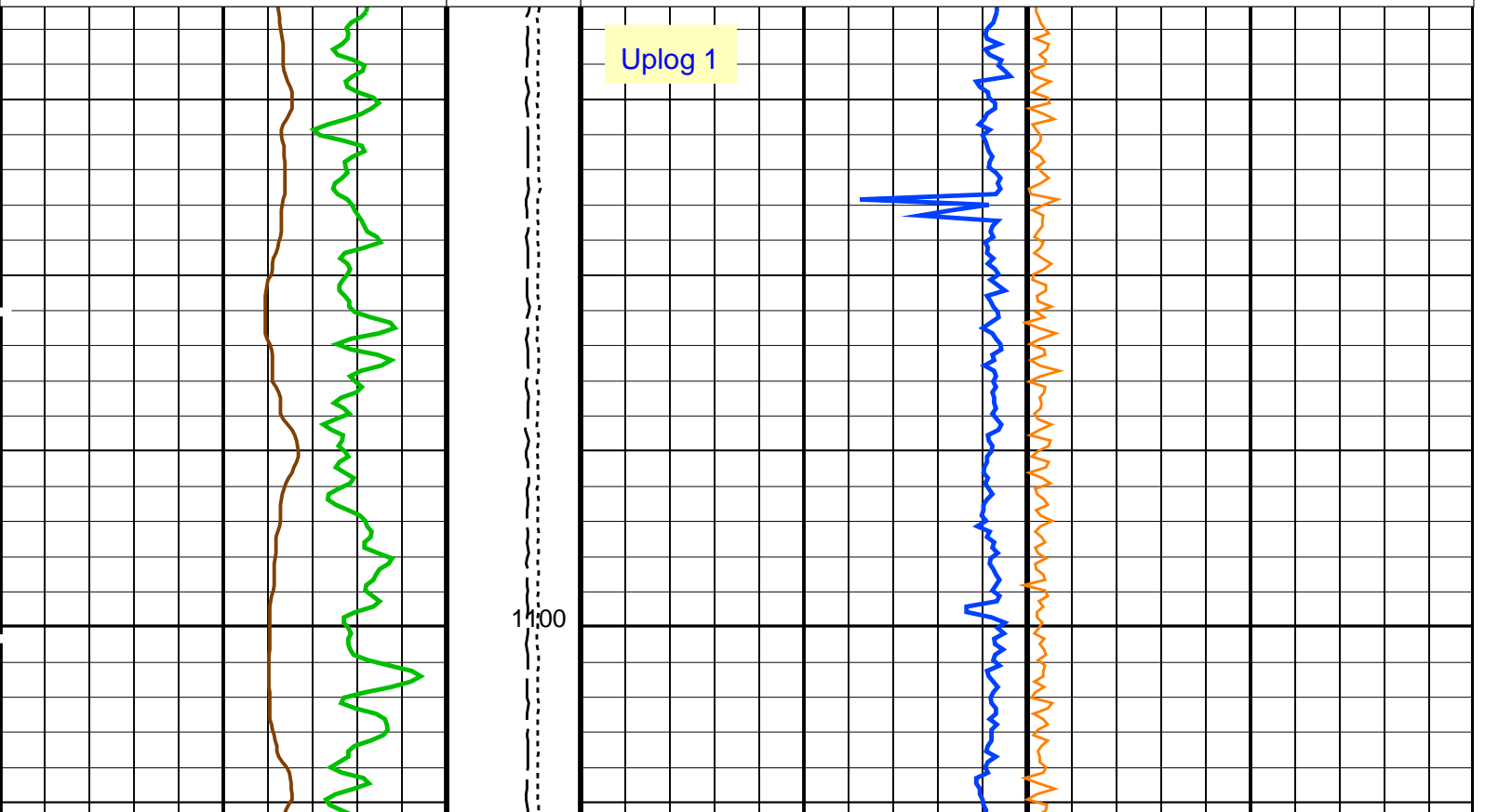
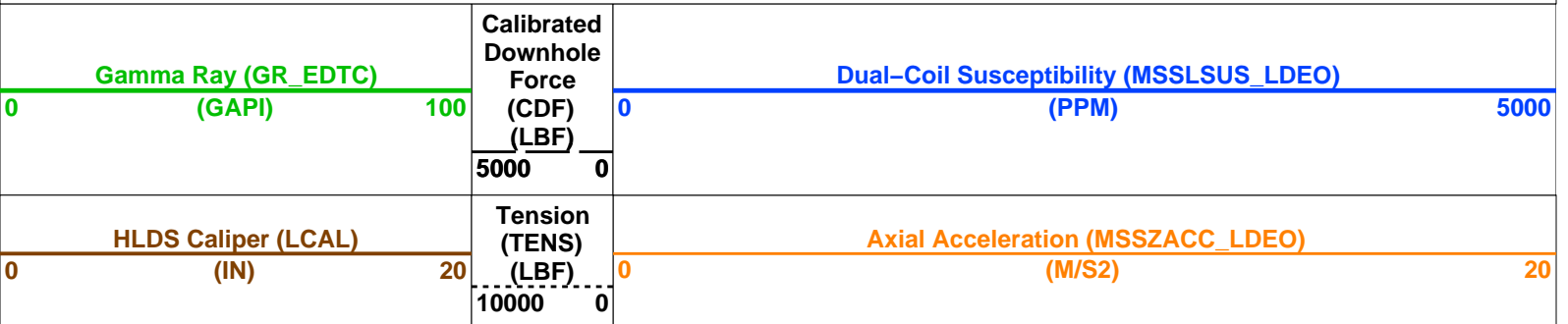
DEFAULT MSS_LDEO_DSI_HRLA_040PUP FN:56 PRODUCER 28-Jan-2018 21:15 1218.4 M 1082.3 M

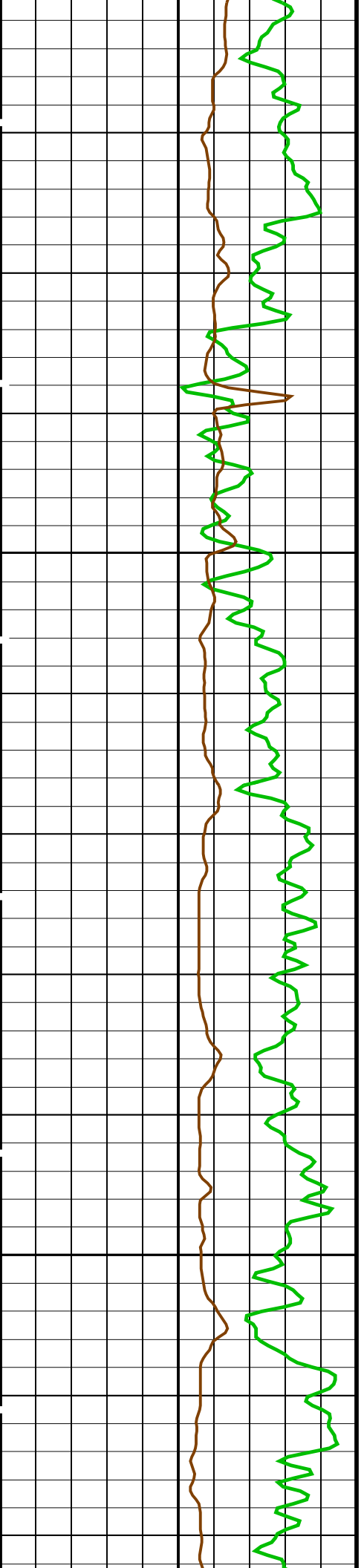
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

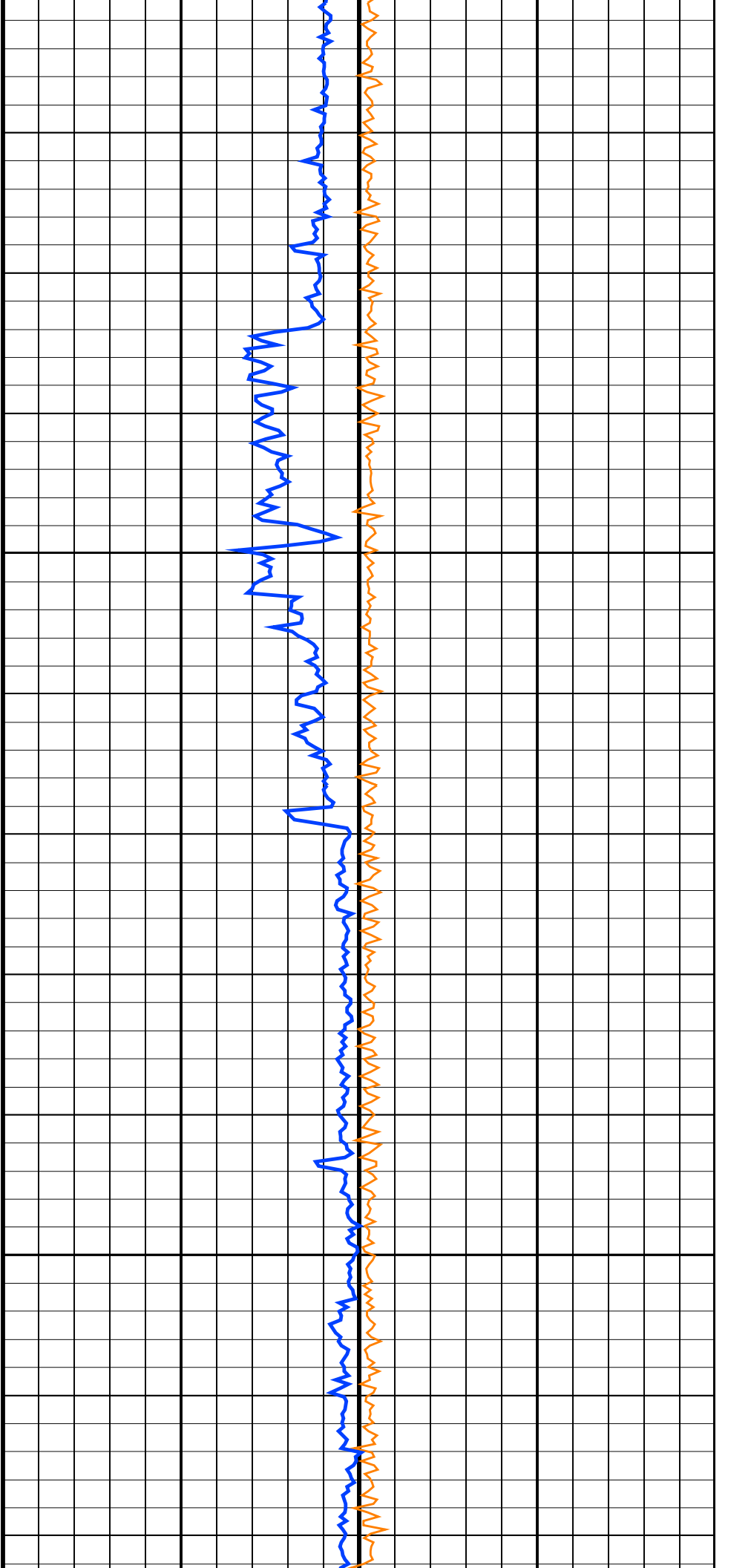
Time Mark Every 60 S

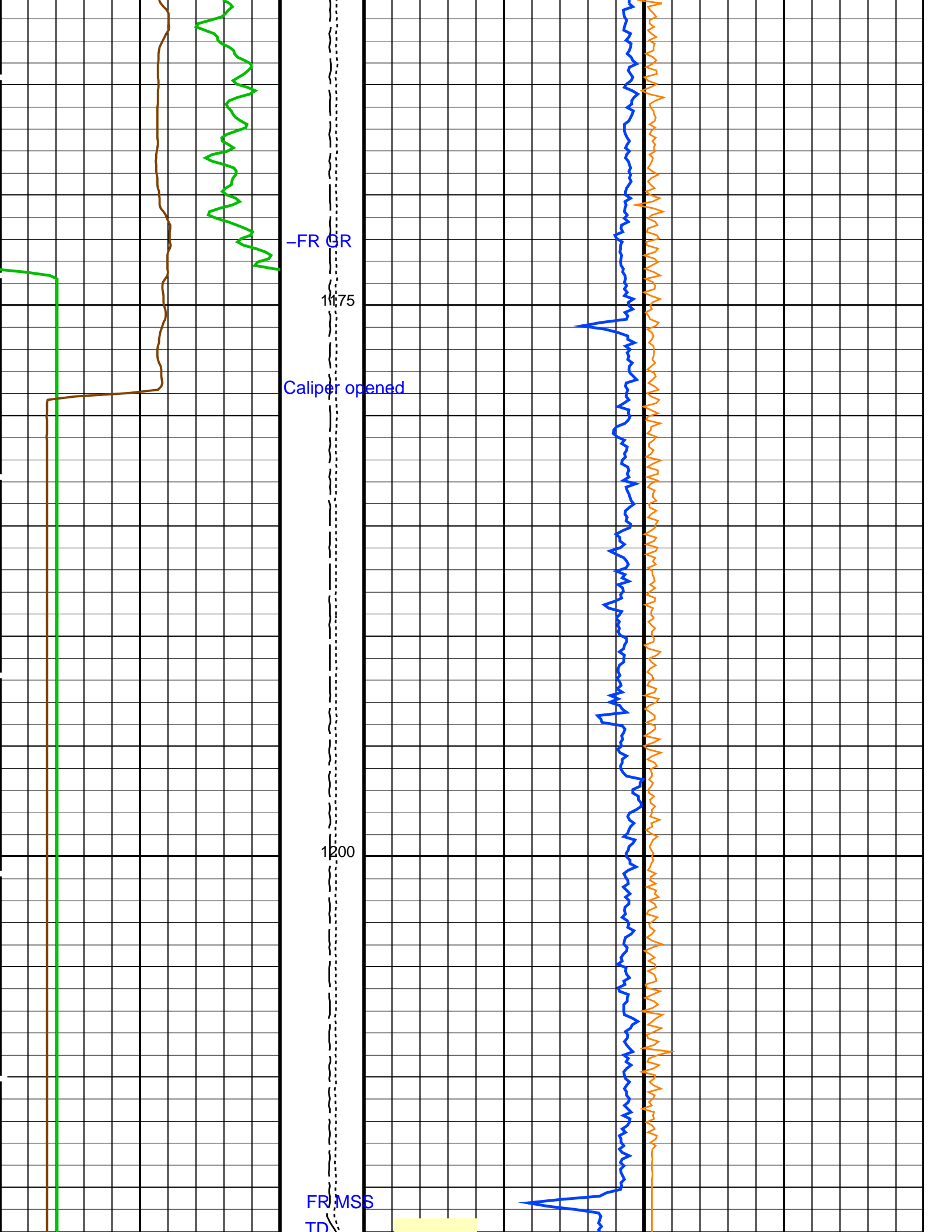




1:25

1:50





HLDS Caliper (LCAL)		Tension (TENS)	Axial Acceleration (MSSZACC_LDEO)	
0	(IN)	(LBF)	0	(M/S2)
	20	10000		20
		0		
Gamma Ray (GR_EDTC)		Calibrated Downhole Force (CDF) (LBF)	Dual-Coil Susceptibility (MSSLSUS_LDEO)	
0	(GAPI)	(LBF)	0	(PPM)
	100	5000		5000
		0		

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
AGC1	Automatic Gain Control 1	ON
AGC2	Automatic Gain Control 2	ON
AGC3	Automatic Gain Control 3	ON
AGC4	Automatic Gain Control 4	ON
AGC5	Automatic Gain Control 5	ON
AGCX	Automatic Gain Control X	ON
BARS_MTR1	Length for Monopole Transmitter to Receiver 1	2.7432 M
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	212 DEGF
CASF	Label Casing Function - Monopole P&S	60
CDTS	C-Delta-T Shale	100 US/F
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	60 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	202 US/F
DDE1	Digitizing Delay 1	0 US
DDE2	Digitizing Delay 2	0 US
DDE3	Digitizing Delay 3	0 US
DDE4	Digitizing Delay 4	0 US
DDE5	Digitizing Delay 5	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DLHS	Label Hole Diameter Source for SOBS Channel	AUTO
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSI2	Digitizer Sample Interval 2	40 US
DSI3	Digitizer Sample Interval 3	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSI5	Digitizer Sample Interval 5	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	205 US/F
DTM	Delta-T Matrix	56 US/F
DTSS	Shear Delta-T Source for DTSM Channel	LOWER_DIPOLE
DWC1	Digitizer Word Count 1	512
DWC2	Digitizer Word Count 2	512
DWC3	Digitizer Word Count 3	512
DWC4	Digitizer Word Count 4	512
DWC5	Digitizer Word Count 5	512
DWCX	Digitizer Word Count X	512
FDE1	Firing Delay 1	0
FDE2	Firing Delay 2	0
FDE3	Firing Delay 3	0
FDE4	Firing Delay 4	0
FDE5	Firing Delay 5	0
FDEX	Firing Delay X	0
FGM5	First Motion Gate Moveout 5	40 US/F
FGMX	First Motion Gate Moveout X	40 US/F
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
FMG5	First Motion Minimum Gate 5	500 US
FMGX	First Motion Minimum Gate X	500 US
FMLL	Slowness Lower Limit - FMD	40 US/F
FMRC	Restart Control - FMD	CONTINUE
FMT5	First Motion Threshold 5	UP
FMTX	First Motion Threshold X	NONE
FMUL	Slowness Upper Limit - FMD	180 US/F
FNC5	First Motion Noise Counter Input 5	ALO
FNCX	First Motion Noise Counter Input X	ALO
FPM	Processing Mode - FMD	NONE
FTD5	First Motion Threshold Direction 5	UP
FTDX	First Motion Threshold Direction X	UP

FTDX	First Motion Threshold Direction X		UP
GAI1	Manual Gain 1		10
GAI2	Manual Gain 2		10
GAI3	Manual Gain 3		6
GAI4	Manual Gain 4		16
GAI5	Manual Gain 5		16
GAIX	Manual Gain X		10
GCSE	Generalized Caliper Selection		LCAL
GDEV	Average Angular Deviation of Borehole from Normal		0
GDT1	Gain Delta-T 1		800
GDT2	Gain Delta-T 2		800
GDT3	Gain Delta-T 3		800
GDT4	Gain Delta-T 4		160
GDT5	Gain Delta-T 5		160
GDTX	Gain Delta-T X		800
GGRD	Geothermal Gradient		0.01
GIN1	Gain Interval 1		15360
GIN2	Gain Interval 2		15360
GIN3	Gain Interval 3		15360
GIN4	Gain Interval 4		2560
GIN5	Gain Interval 5		1600
GINX	Gain Interval X		15360
GRSE	Generalized Mud Resistivity Selection		CHART_GEN 9
GTSE	Generalized Temperature Selection		LINEAR_ESTIMATE
HPF1	High Pass Filter 1		F80
HPF2	High Pass Filter 2		F80
HPF3	High Pass Filter 3		F80
HPF4	High Pass Filter 4		F8K
HPF5	High Pass Filter 5		F8K
HPFX	High Pass Filter X		F80
ISSBAR	Barite Mud Switch		BARITE
ITTS	Integrated Transit Time Source		DTCO
LFC	Label Formation Character - Monopole P&S		DYNAMIC
LPF1	Low Pass Filter 1		F5K
LPF2	Low Pass Filter 2		F5K
LPF3	Low Pass Filter 3		F5K
LPF4	Low Pass Filter 4		F30K
LPF5	Low Pass Filter 5		F30K
LPFX	Low Pass Filter X		F5K
LTXG	Lower Dipole Transmitter Geometry		156
MAI5	Slowness Averaging Interval - FMD		42
MATR	Rock Matrix for Neutron Porosity Corrections		LIMESTONE
MCS	Mean Casing Slowness		57
MDS5	Multishot Delta-T Scatter - FMD		20
MTXG	Monopole Transmitter Geometry		186
MUX1	Sum Difference Multiplexor Input 1		RR
MUX2	Sum Difference Multiplexor Input 2		RR
MUX3	Sum Difference Multiplexor Input 3		RR
MUX4	Sum Difference Multiplexor Input 4		RR
MUX5	Sum Difference Multiplexor Input 5		RR
MUXX	Sum Difference Multiplexor Input X		RR
NTI5	Number Threshold Items 5		0
NTIX	Number Threshold Items X		0
NWI1	Number Waveform Items 1		8
NWI2	Number Waveform Items 2		8
NWI3	Number Waveform Items 3		0
NWI4	Number Waveform Items 4		8
NWI5	Number Waveform Items 5		0
NWIX	Number Waveform Items X		0
NWS1	Number Waveforms Stacked 1		1
NWS2	Number Waveforms Stacked 2		1
NWS3	Number Waveforms Stacked 3		1
NWS4	Number Waveforms Stacked 4		1
NWS5	Number Waveforms Stacked 5		1
NWSX	Number Waveforms Stacked X		1
RATE	Firing Rate		R7
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
RX2G	Receiver 2 Geometry		300
RX3G	Receiver 3 Geometry		306
RX4G	Receiver 4 Geometry		312
RX5G	Receiver 5 Geometry		318
RX6G	Receiver 6 Geometry		324
RX7G	Receiver 7 Geometry		330
RX8G	Receiver 8 Geometry		336
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode		LFD_EVEN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode		ODD
SAM3	DSST Sonic Acquisition Mode 3 - Monopole Mode for Stoneley		OFF
SAM4	DSST Sonic Acquisition Mode 4 - Monopole Mode for P&S		EVEN
SAM5	DSST Sonic Acquisition Mode 5 - Monopole Mode for FMD		OFF
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert		OFF
SAS1	STC Sonic Array Status - Lower Dipole		255
SAS2	STC Sonic Array Status - Upper Dipole		255

SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SAS5	Sonic Array Status – FMD	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBO3	STC Search Band Offset – Monopole Stoneley	3000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SBW3	STC Search Bandwidth – Monopole Stoneley	8000	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM2	STC Filter – Upper Dipole	B1–2K	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	239	US/F
SHT	Surface Hole Temperature	55	DEGF
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
SLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
SLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPSO	Sonic Porosity Source	DTCO	
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1040	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBDB	Tool String Bottom to DSST Bottom	249.908	IN
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TLL3	STC Time Lower Limit – Monopole Stoneley	600	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	200	US
TST3	STC Time Step – Monopole Stoneley	200	US
TST4	STC Time Step – Monopole P&S	50	US
TTDB	Tool String Top to DSST Bottom	1656.11	IN
TUL1	STC Time Upper Limit – Lower Dipole	18960	US
TUL2	STC Time Upper Limit – Upper Dipole	18440	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12000	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWA1	Transmitter Waveform Amplitude 1	179	
TWA2	Transmitter Waveform Amplitude 2	179	
TWA3	Transmitter Waveform Amplitude 3	166	
TWA4	Transmitter Waveform Amplitude 4	150	
TWA5	Transmitter Waveform Amplitude 5	150	
TWAX	Transmitter Waveform Amplitude X	179	
TWD1	STC Time Width – Lower Dipole	2000	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWI3	STC Integration Time Window – Monopole Stoneley	2400	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWR1	Transmitter Waveform Sample Rate 1	20	US
TWR2	Transmitter Waveform Sample Rate 2	5	US
TWR3	Transmitter Waveform Sample Rate 3	5	US
TWR4	Transmitter Waveform Sample Rate 4	5	US
TWR5	Transmitter Waveform Sample Rate 5	5	US
TWRX	Transmitter Waveform Sample Rate X	5	US

TWS1	Transmitter Waveform Select 1	2	US
TWS2	Transmitter Waveform Select 2	0	
TWS3	Transmitter Waveform Select 3	4	
TWS4	Transmitter Waveform Select 4	6	
TWS5	Transmitter Waveform Select 5	6	
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFDTSP1	SAM1 Waveform Delta for Spectrum	0	US/F
WFDTSP2	SAM2 Waveform Delta for Spectrum	0	US/F
WFDTSP3	SAM3 Waveform Delta for Spectrum	0	US/F
WFDTSP4	SAM4 Waveform Delta for Spectrum	0	US/F
WFDTSPX	SAMX Waveform Delta for Spectrum	0	US/F
WFLLSP1	SAM1 Waveform Lower Limit for Spectrum	0	US
WFLLSP2	SAM2 Waveform Lower Limit for Spectrum	0	US
WFLLSP3	SAM3 Waveform Lower Limit for Spectrum	0	US
WFLLSP4	SAM4 Waveform Lower Limit for Spectrum	0	US
WFLLSPX	SAMX Waveform Lower Limit for Spectrum	0	US
WFM1	Waveform Mode 1	W1	
WFM2	Waveform Mode 2	W1	
WFM3	Waveform Mode 3	W1	
WFM4	Waveform Mode 4	W1	
WFM5	Waveform Mode 5	W1	
WFMX	Waveform Mode X	W1	
WFULSP1	SAM1 Waveform Upper Limit for Spectrum	20000	US
WFULSP2	SAM2 Waveform Upper Limit for Spectrum	20000	US
WFULSP3	SAM3 Waveform Upper Limit for Spectrum	20000	US
WFULSP4	SAM4 Waveform Upper Limit for Spectrum	5000	US
WFULSPX	SAMX Waveform Upper Limit for Spectrum	20000	US
XMT1	Transmitter Select 1	DLO	
XMT2	Transmitter Select 2	DUP	
XMT3	Transmitter Select 3	MONO	
XMT4	Transmitter Select 4	MONO	
XMT5	Transmitter Select 5	MONO	
XMTX	Transmitter Select X	DUP	

HRLT-B: High Resolution Laterolog Array - B

BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
CALSTAT	HRLTB Calibration Status	SHALLOW_DONE	
CALTEMP	HRLTB Calibration Temperature	2.87911	DEGC
FREQ0	HRLT Frequency Index for Mode 0	32	
FREQ1	HRLT Frequency Index for Mode 1	128	
FREQ2	HRLT Frequency Index for Mode 2	104	
FREQ3	HRLT Frequency Index for Mode 3	86	
FREQ4	HRLT Frequency Index for Mode 4	56	
FREQ5	HRLT Frequency Index for Mode 5	44	
FREQ6	HRLT Frequency Index for Mode 6	116	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	BARITE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
LOOPCOEF_S	HRLT Loop Coefficient for Shallow Modes	LOW	
LOOPMOD0	HRLT Mode 0 Loop Mode	AUTO	
LOOPMOD1	HRLT Mode 1 Loop Mode	AUTO	
LOOPMOD2	HRLT Mode 2 Loop Mode	AUTO	
LOOPMOD3	HRLT Mode 3 Loop Mode	AUTO	
LOOPMOD4	HRLT Mode 4 Loop Mode	AUTO	
LOOPMOD5	HRLT Mode 5 Loop Mode	AUTO	
LOOPMOD6	HRLT Mode 6 Loop Mode	AUTO	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PROGINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	
SHT	Surface Hole Temperature	55	DEGF

HLDS: Hostile Litho-Density Sonde

CLCL	HLDS LS Control Loop Controller Mode	AUTO_DEFAULT	
CLCS	HLDS SS Control Loop Controller Mode	AUTO_DEFAULT	
CLLS	HLDS Mode Loop Long Spacing	AUTO	
CLSS	HLDS Mode Loop Short Spacing	AUTO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1	G/C3
LATC	HLDS Activation Correction	OFF	
LLDL	HLDS LS Low Level Discriminator DAC	14000	
LLDS	HLDS SS Low Level Discriminator DAC	14000	
LLML	HLDS LS Low Level Discriminator Mode	AUTO	
LLMS	HLDS SS Low Level Discriminator Mode	AUTO	
MDEN	Matrix Density	2.6	G/C3
PHVL	HLDS Long Spacing High Voltage Setting	1000	V
PHVS	HLDS Short Spacing High Voltage Setting	1000	V

PSDL	HLDS LS Pulse Shape Compensation DAC	30000	
PSDS	HLDS SS Pulse Shape Compensation DAC	30000	
PSML	HLDS LS Pulse Shape Compensation Mode	AUTO	
PSMS	HLDS SS Pulse Shape Compensation Mode	AUTO	
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	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
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	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00319633	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
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	
SHT	Surface Hole Temperature	55	DEGF
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	

EDTC-B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	YES	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	55	DEGF
SOCN	Standoff Distance	0.5	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Eccentered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	

System and Miscellaneous			
ALTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	4166	FT
TDD	Total Depth - Driller	1270.30	M
TDL	Total Depth - Logger	1270.11	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_010LUP	FN:10	PRODUCER	27-Jan-2018 16:21	1218.4 M	1082.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_040PUP	FN:56	PRODUCER	28-Jan-2018 21:15		
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Company: International Ocean Discovery Program

Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_010LUP	FN:10	PRODUCER	27-Jan-2018 16:21	1218.4 M	1082.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_040PUP	FN:56	PRODUCER	28-Jan-2018 21:15	1218.4 M	1082.3 M
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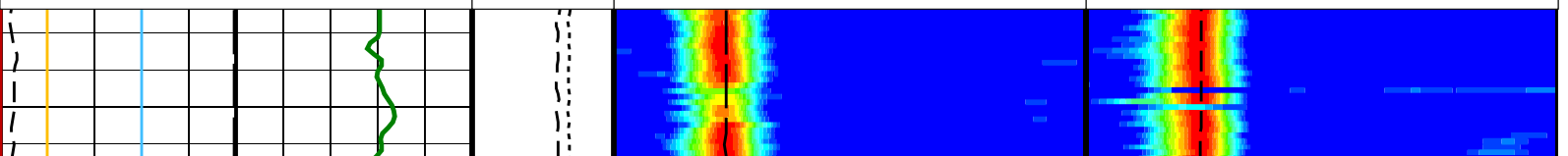
OP System Version: 19C0-187

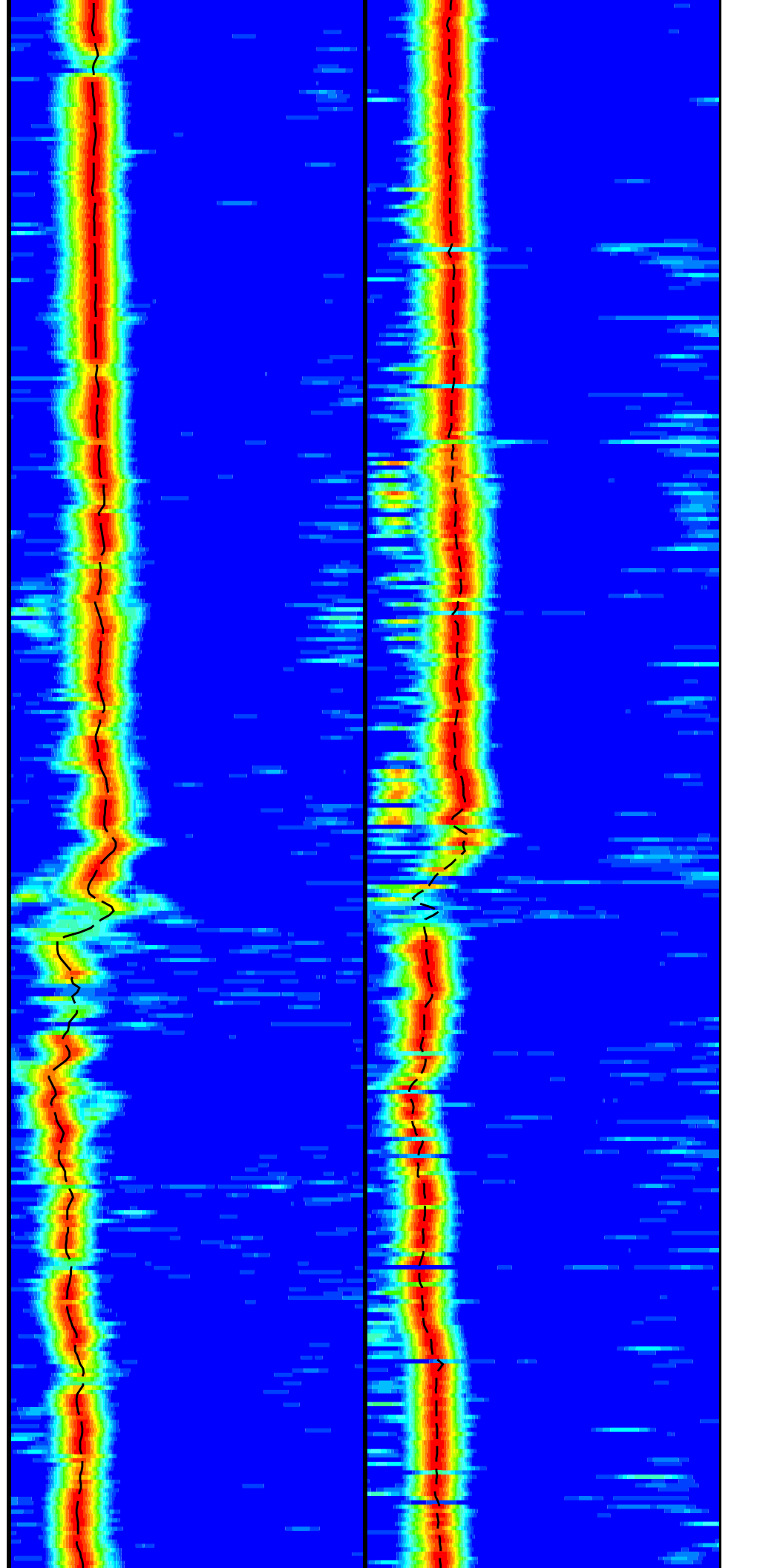
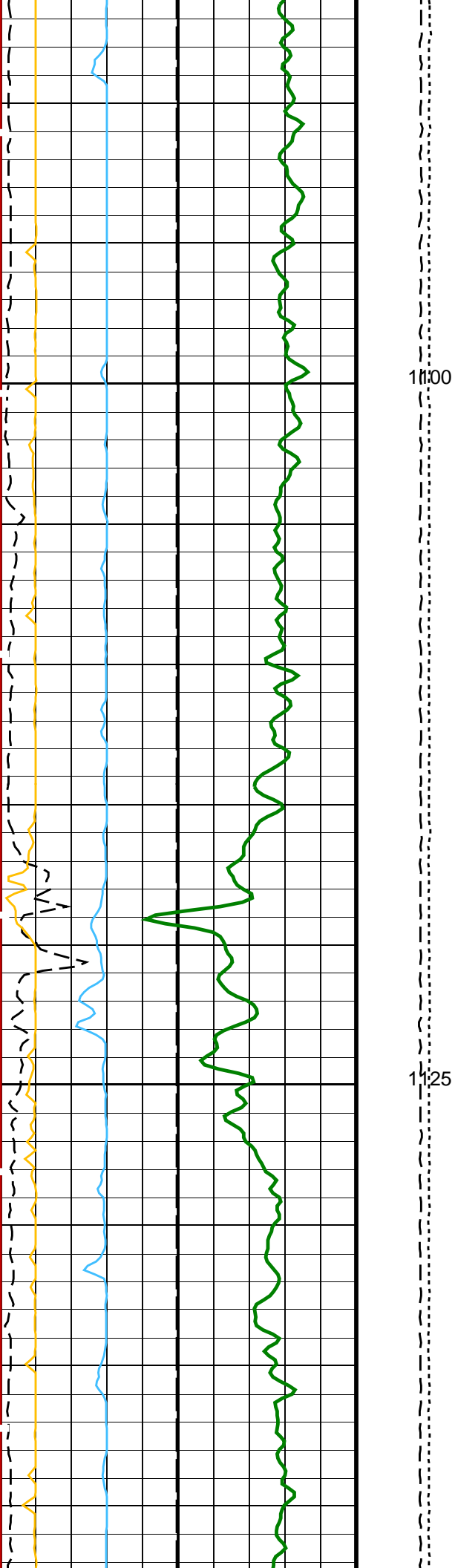
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

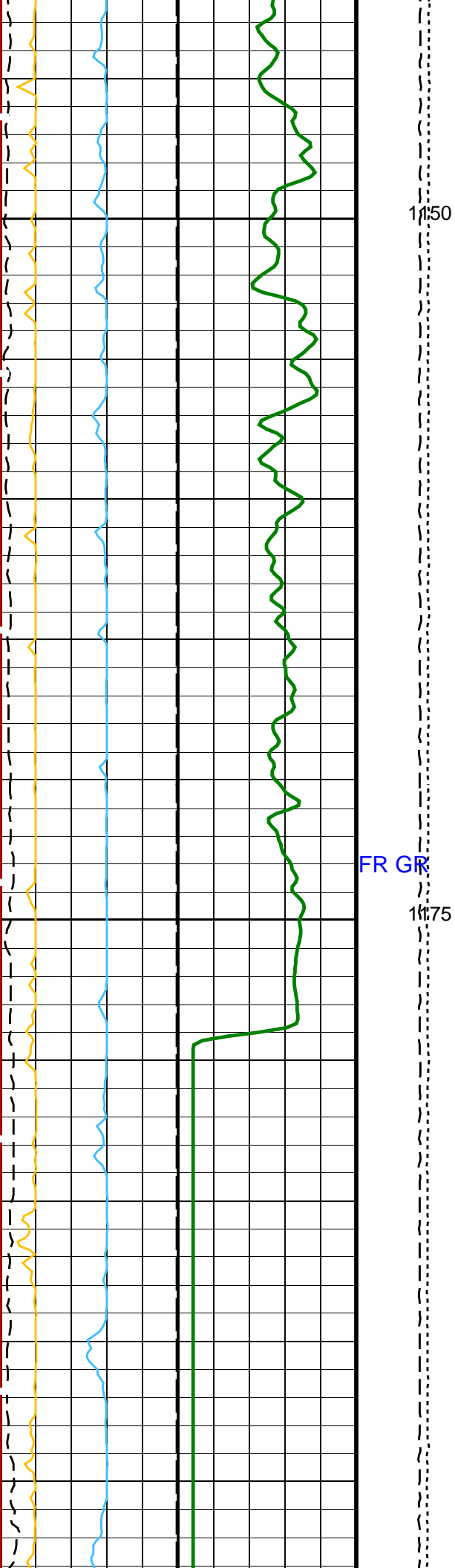
PIP SUMMARY

Time Mark Every 60 S

<p style="color: green; text-align: center;">HNGS Spectroscopy Gamma Ray (HSGR)</p> <p style="color: green; text-align: center;">0 (GAPI) 100</p> <hr style="border: 1px solid green;"/> <p style="color: blue; text-align: center;">Peak Coherence / TA - Upper Dipole (CHT2)</p> <p style="color: blue; text-align: center;">-2 (----) 8</p> <hr style="border: 1px solid blue;"/> <p style="color: orange; text-align: center;">Peak Coherence / RA - Upper Dipole (CHR2)</p> <p style="color: orange; text-align: center;">0 (----) 10</p> <hr style="border: 1px solid orange;"/> <p style="color: red; text-align: center;">Waveform Data Copy Indicator 2 - Upper Dipole (WC12)</p> <p style="color: red; text-align: center;">0 (----) 10</p>	<div style="background-color: yellow; padding: 5px; display: inline-block;">Uplug 1</div>			
<p style="text-align: center;">SAM2 Waveform Gain (WFG2)</p> <p style="text-align: center;">0 (----) 1000</p>	<p>Calibrated Downhole Force (CDF) (LBF)</p> <p style="text-align: center;">5000 0</p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> <p>Min Max</p> <p>Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)</p> <p style="text-align: center;">40 1040</p> </td> <td style="width: 50%; text-align: center;"> <p>Min Max</p> <p>Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)</p> <p style="text-align: center;">40 1040</p> </td> </tr> </table>	<p>Min Max</p> <p>Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)</p> <p style="text-align: center;">40 1040</p>	<p>Min Max</p> <p>Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)</p> <p style="text-align: center;">40 1040</p>
<p>Min Max</p> <p>Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)</p> <p style="text-align: center;">40 1040</p>	<p>Min Max</p> <p>Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)</p> <p style="text-align: center;">40 1040</p>			
<p style="text-align: center;">Bit Size (BS) (IN)</p> <p style="text-align: center;">0 20</p>	<p>Tension (TENS) (LBF)</p> <p style="text-align: center;">10000 0</p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> <p>Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)</p> <p style="text-align: center;">40 1040</p> </td> <td style="width: 50%; text-align: center;"> <p>Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)</p> <p style="text-align: center;">40 1040</p> </td> </tr> </table>	<p>Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)</p> <p style="text-align: center;">40 1040</p>	<p>Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)</p> <p style="text-align: center;">40 1040</p>
<p>Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)</p> <p style="text-align: center;">40 1040</p>	<p>Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)</p> <p style="text-align: center;">40 1040</p>			

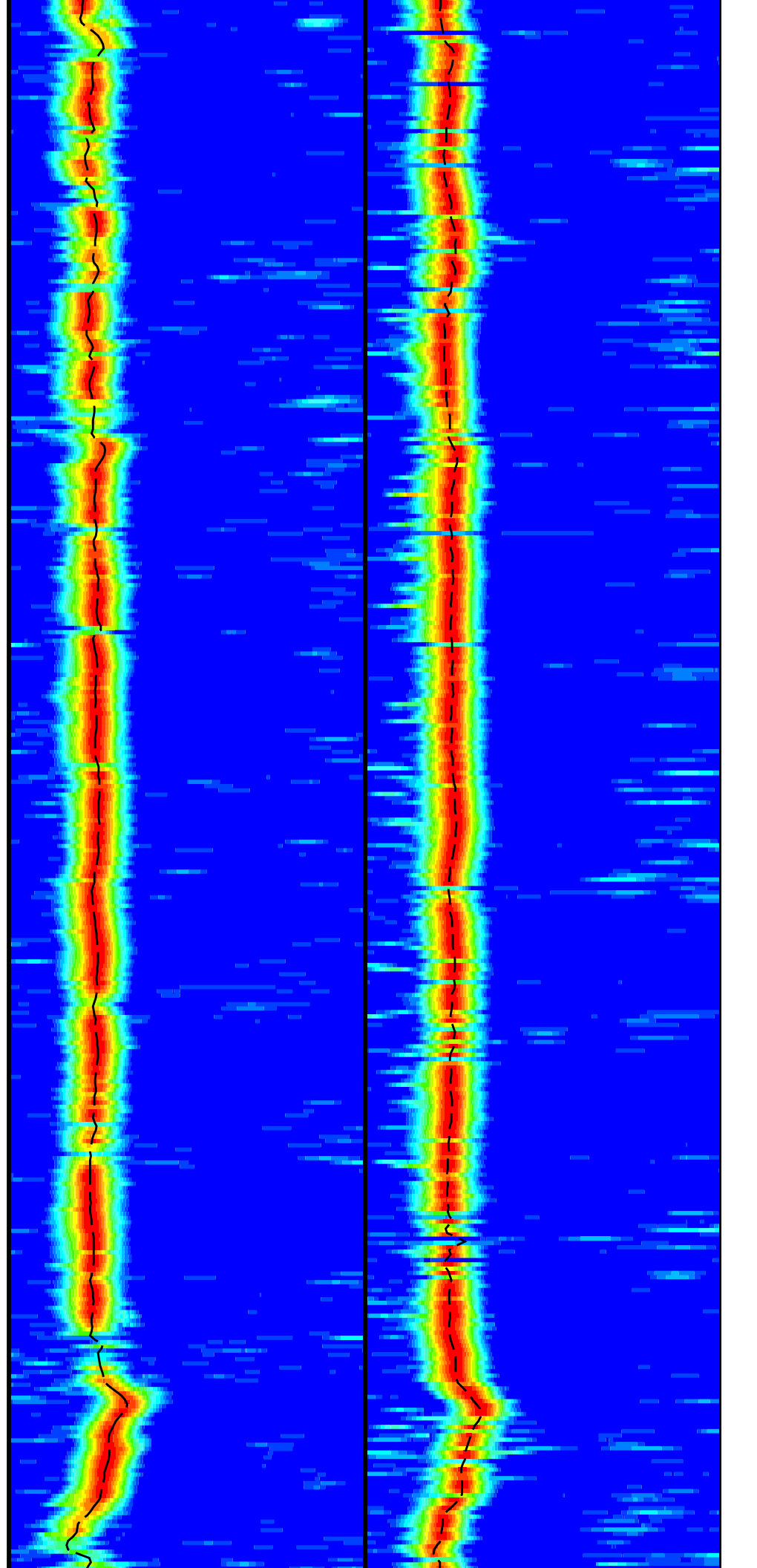


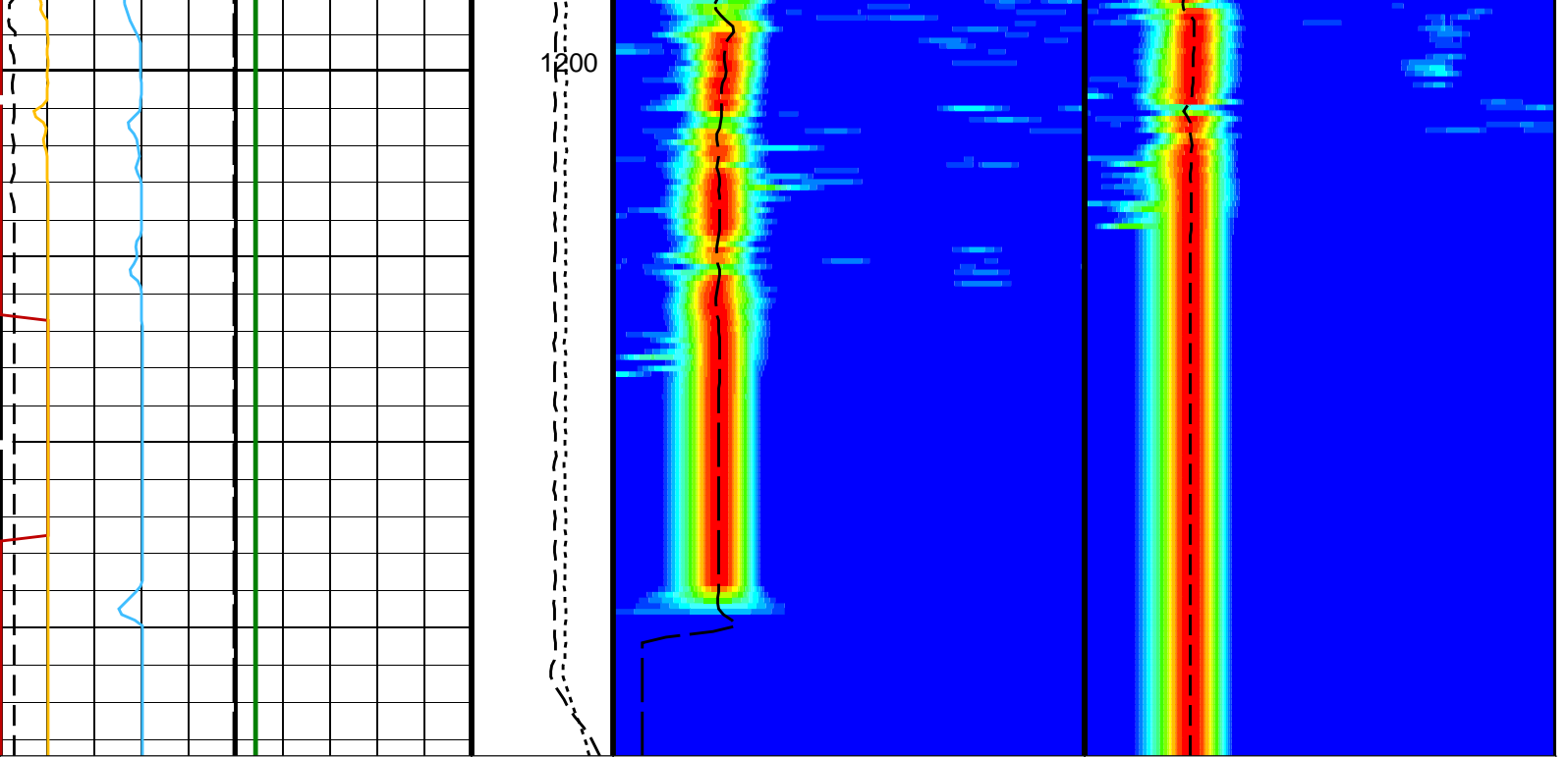




1/50

1/75





Bit Size (BS) (IN) 0 20	Tension (TENS) (LBF) 10000 0	Delta-T Shear / TA - Upper Dipole (DT2T) (US/F) 40 1040	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F) 40 1040
SAM2 Waveform Gain (WFG2) (----) 0 1000	Calibrated Downhole Force (CDF) (LBF) 5000 0	Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F) 40 1040 Min Amplitude Max	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F) 40 1040 Min Amplitude Max
Waveform Data Copy Indicator 2 - Upper Dipole (WCI2) (----) 0 10	Uplog 1		
Peak Coherence / RA - Upper Dipole (CHR2) (----) 0 10			
Peak Coherence / TA - Upper Dipole (CHT2) (----) -2 8			
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
DDE2	Digitizing Delay 2	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC2	Digitizer Word Count 2	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	LCAL

NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFM2	STC Filter – Upper Dipole	B1-2K	
SLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit – Upper Dipole	1040	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TST2	STC Time Step – Upper Dipole	200	US
TUL2	STC Time Upper Limit – Upper Dipole	18440	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFM2	Waveform Mode 2	W1	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00319633	
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	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 21:15

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_010LUP	FN:10	PRODUCER	27-Jan-2018 16:21	1218.4 M	1082.2 M
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Output DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_040PUP FN:56 PRODUCER 28-Jan-2018 21:15

Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_010LUP FN:10 PRODUCER 27-Jan-2018 16:21 1218.4 M 1082.2 M

Output DLIS Files

DEFAULT MSS_LDEO_DSI_HRLA_040PUP FN:56 PRODUCER 28-Jan-2018 21:15 1218.4 M 1082.3 M

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

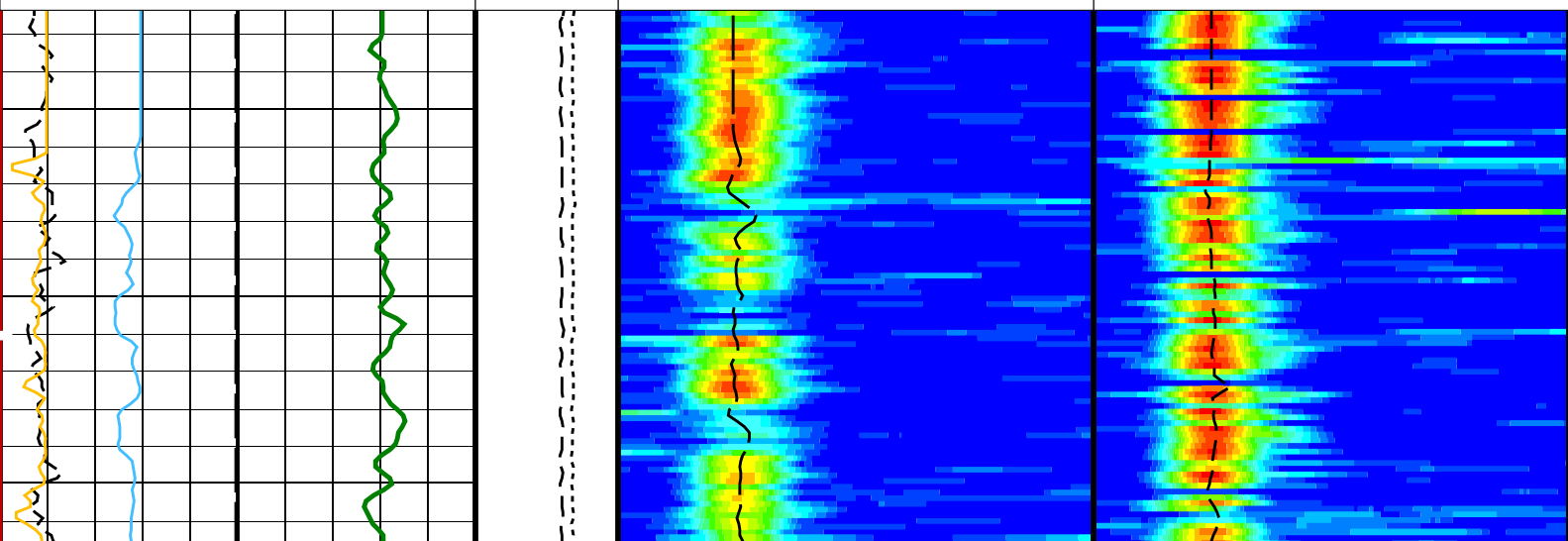
PIP SUMMARY

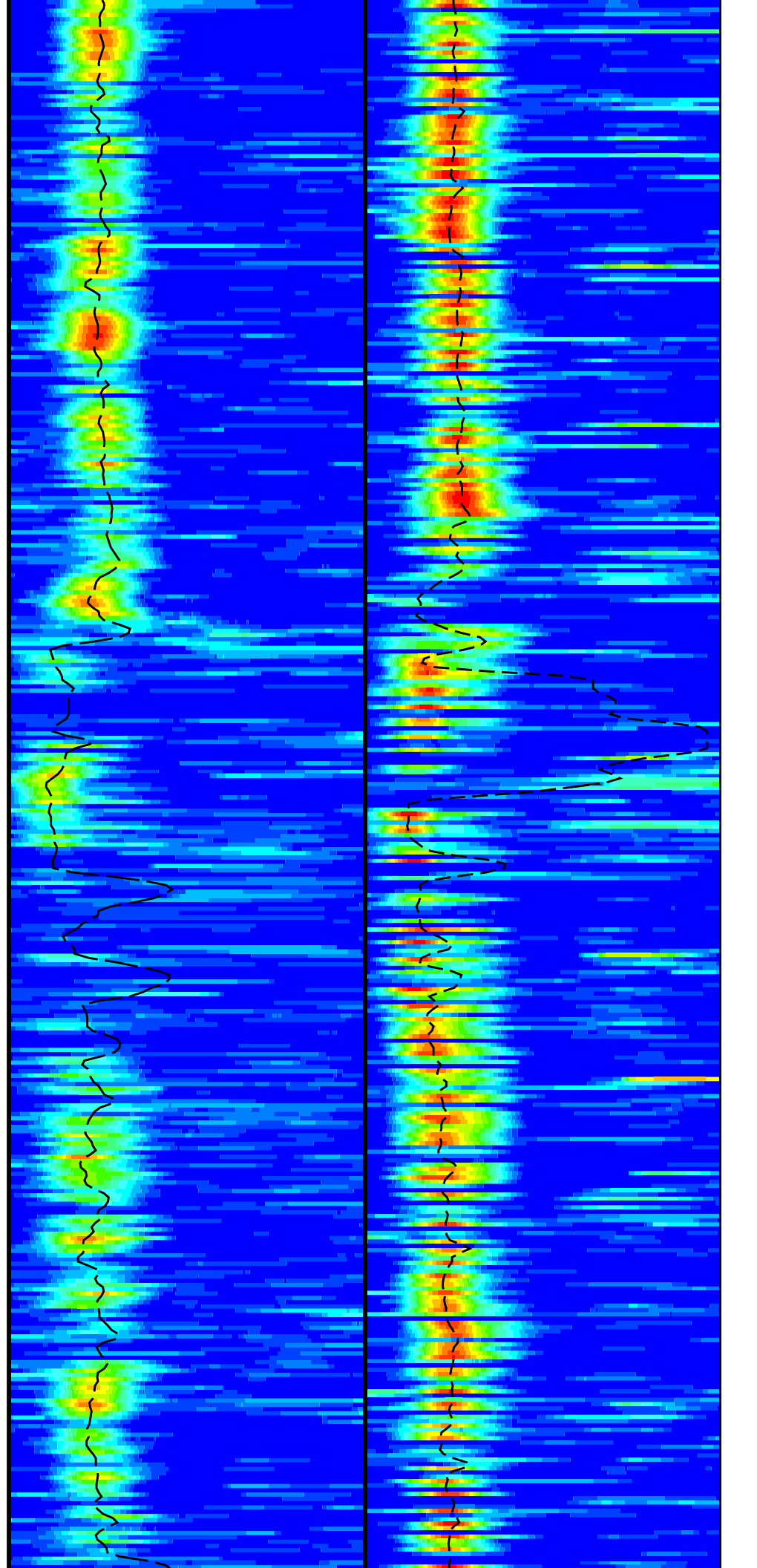
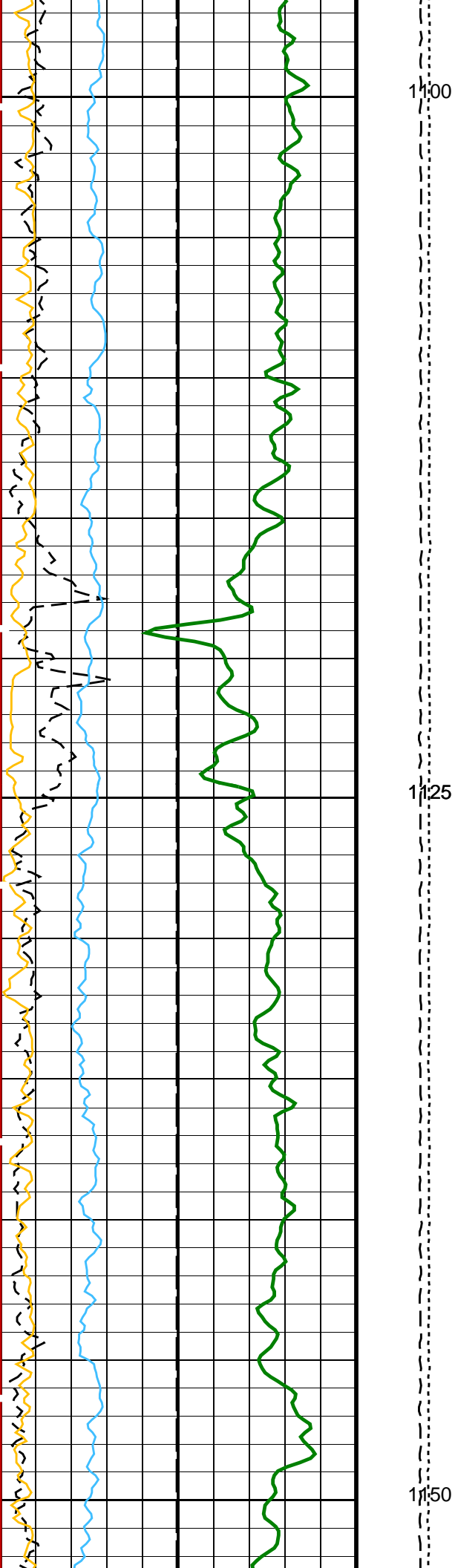
Time Mark Every 60 S

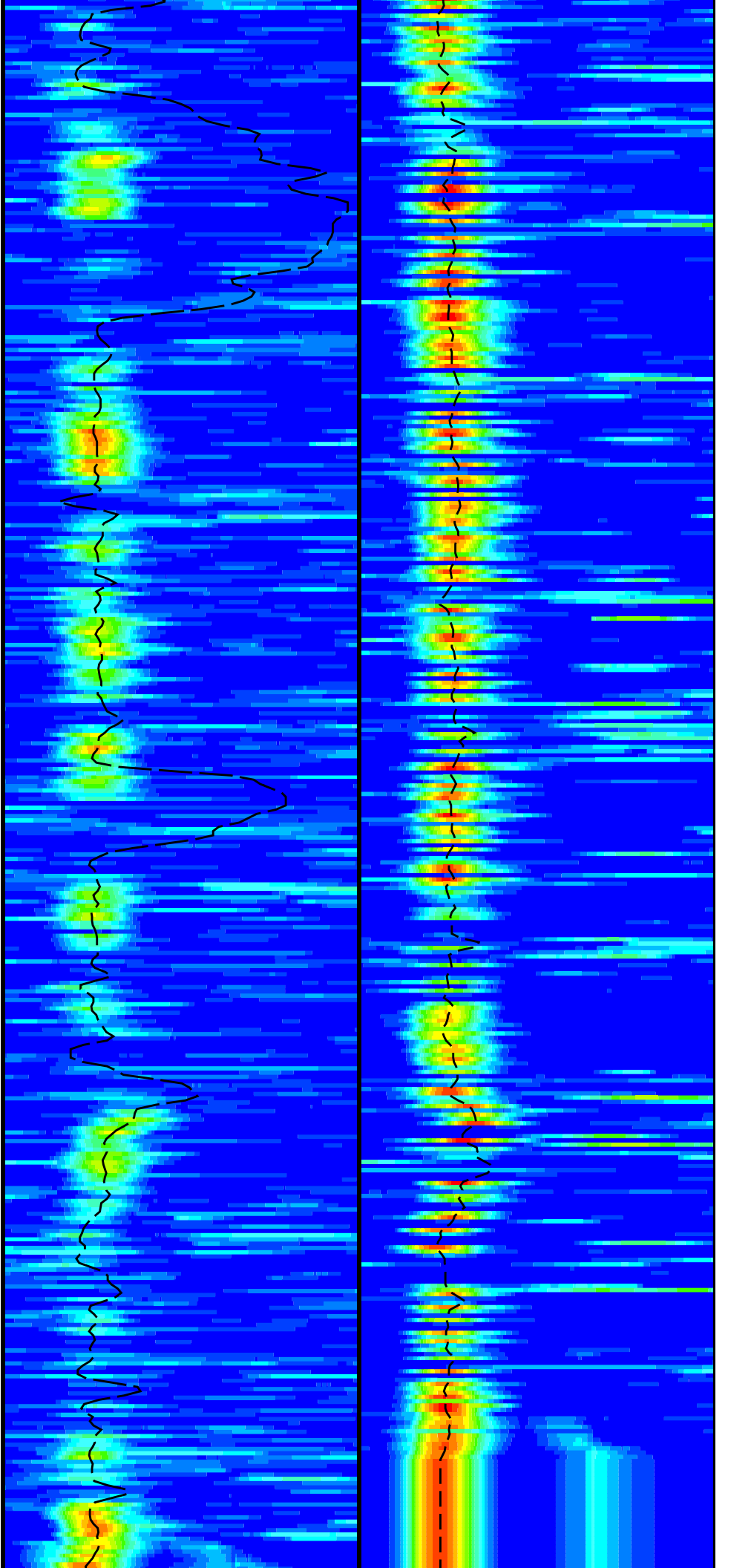
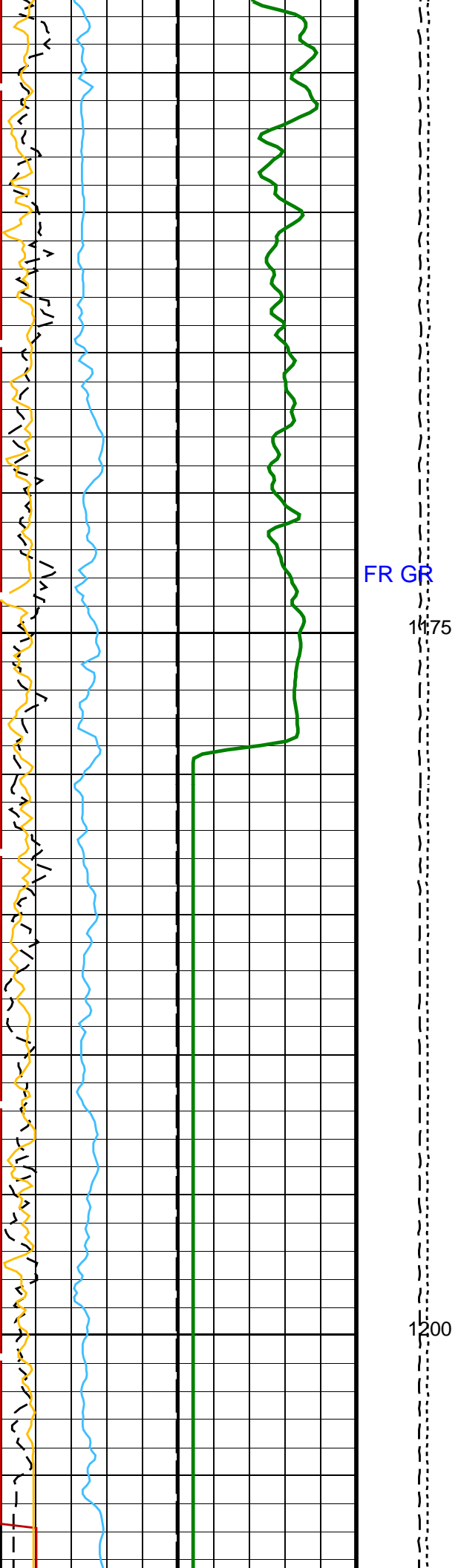
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Lower Dipole (CHT1)		
-2	(----)	8
Peak Coherence / RA - Lower Dipole (CHR1)		
0	(----)	10
Waveform Data Copy Indicator 1 - Lower Dipole (WC11)		
0	(----)	10

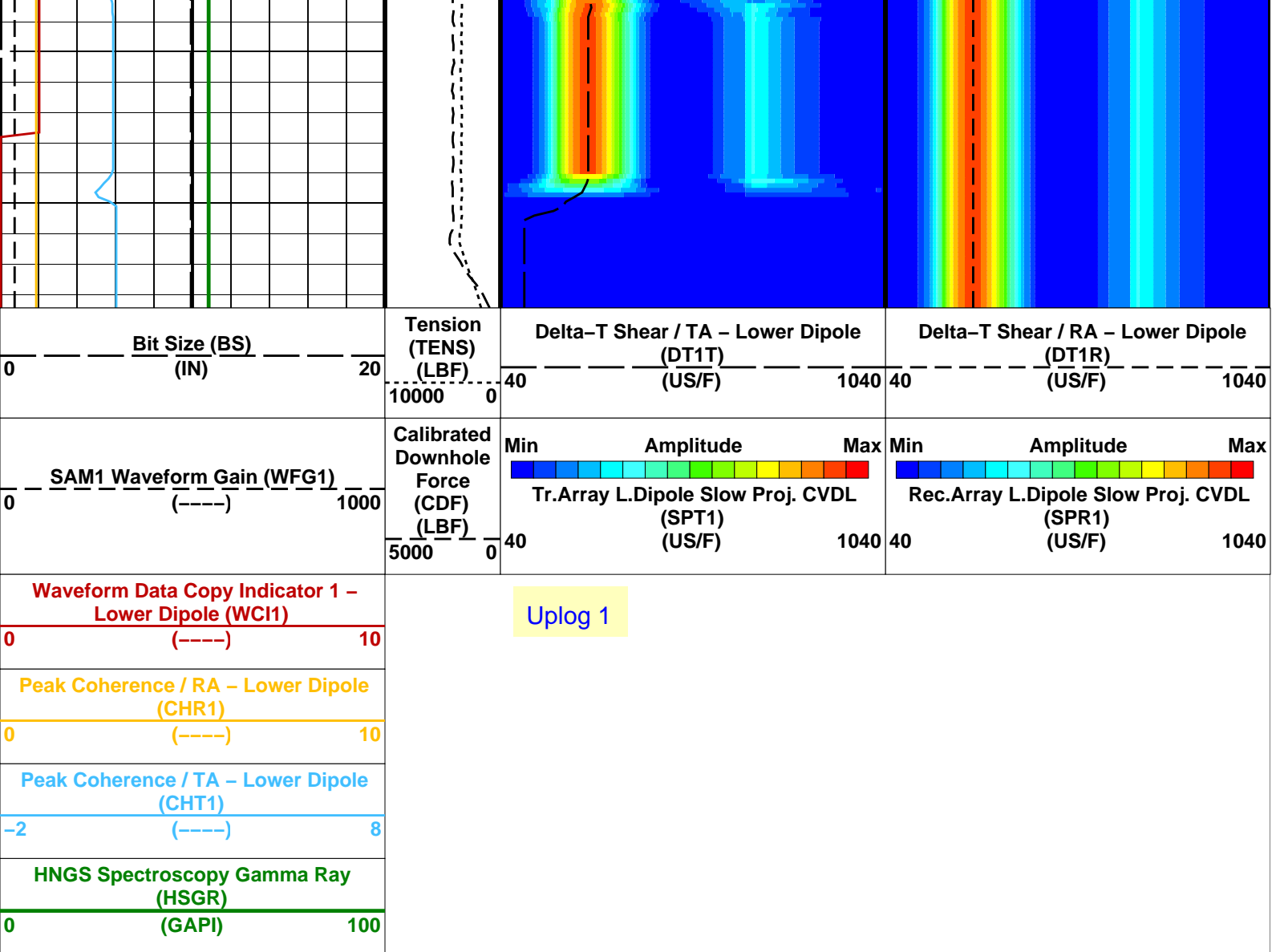
Uplong 1

SAM1 Waveform Gain (WFG1) 0 (----) 1000	Calibrated Downhole Force (CDF) (LBF) 5000 0	Min Max Tr.Array L.Dipole Slow Proj. CVDL (SPT1) (US/F) 1040	Min Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F) 1040
		Delta-T Shear / TA - Lower Dipole (DT1T) (US/F) 1040	Delta-T Shear / RA - Lower Dipole (DT1R) (US/F) 1040
Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 10000 0		









PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	LCAL
LTXG	Lower Dipole Transmitter Geometry	156 IN
NW11	Number Waveform Items 1	8
NW1X	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS1	STC Sonic Array Status - Lower Dipole	255

SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SLL1	STC Slowness Lower Limit - Lower Dipole	40	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit - Lower Dipole	1040	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	18960	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00319633	
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	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 21:15

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_010LUP	FN:10	PRODUCER	27-Jan-2018 16:21	1218.4 M	1082.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_040PUP	FN:56	PRODUCER	28-Jan-2018 21:15		
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Company: International Ocean Discovery Program Well: Expedition 374, Site U1522A

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_010LUP	FN:10	PRODUCER	27-Jan-2018 16:21	1218.4 M	1082.2 M
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Output DLIS Files

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

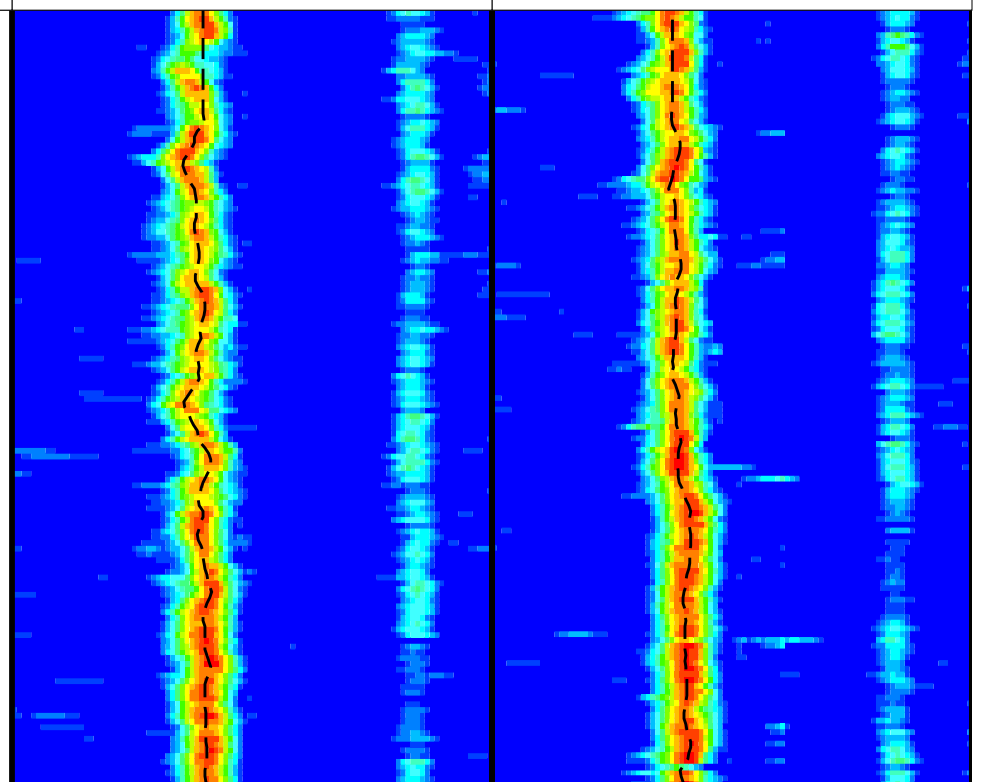
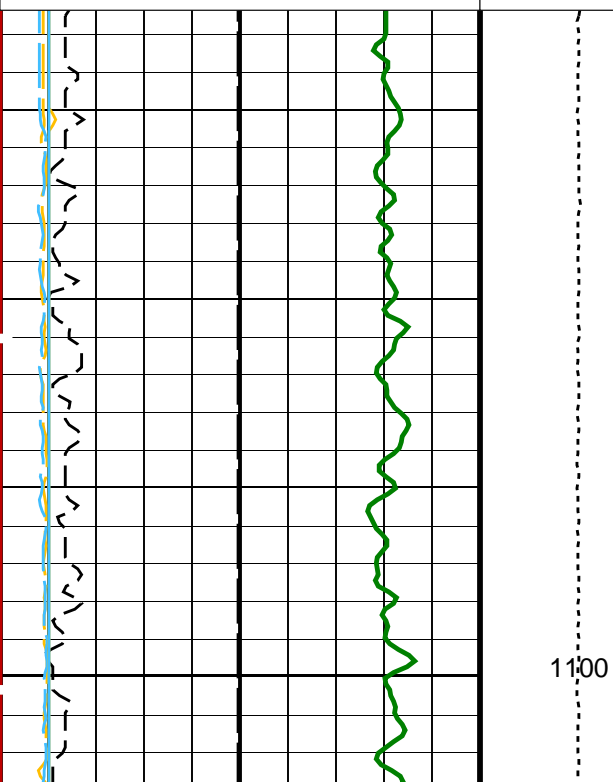
PIP SUMMARY

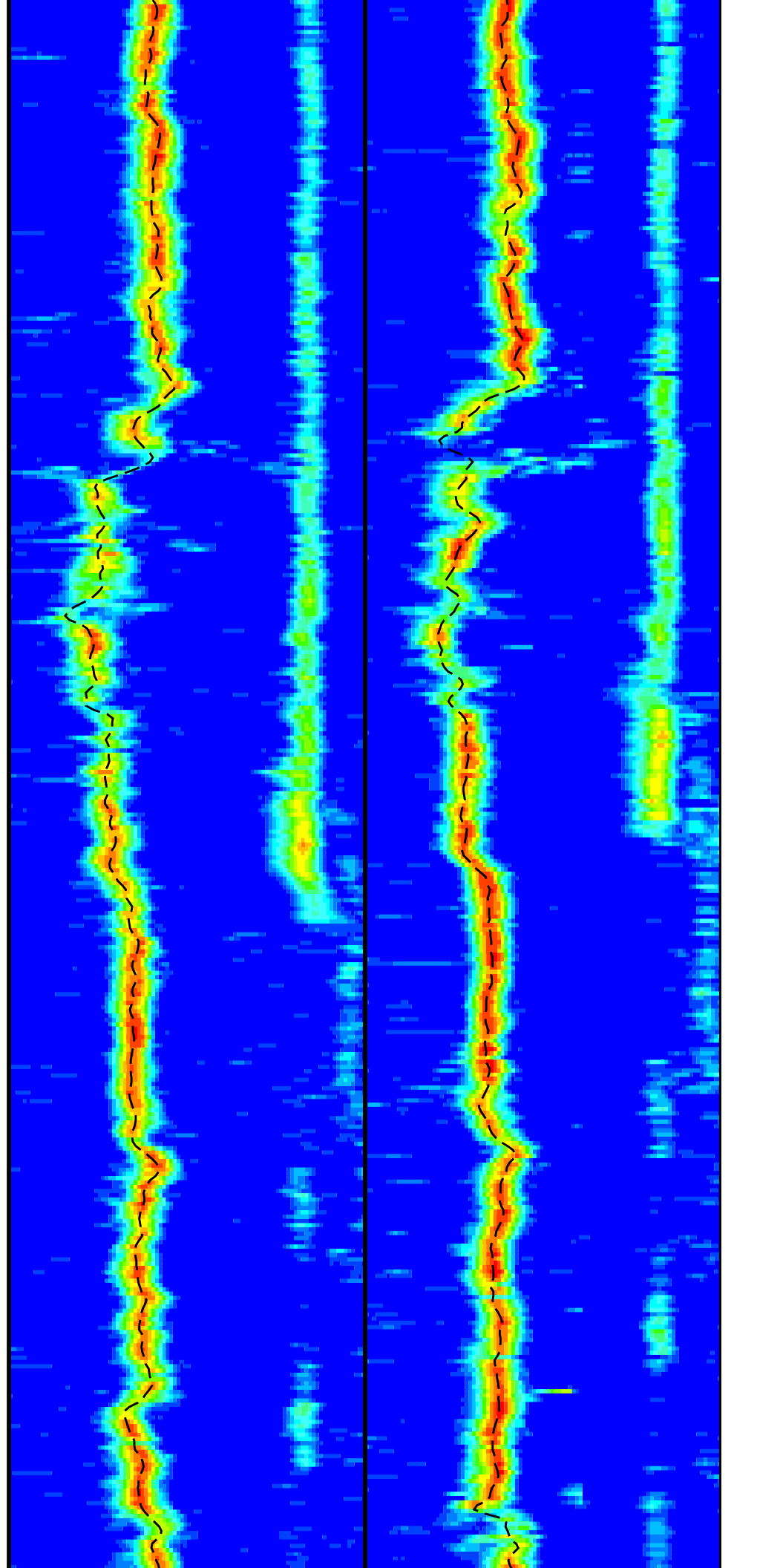
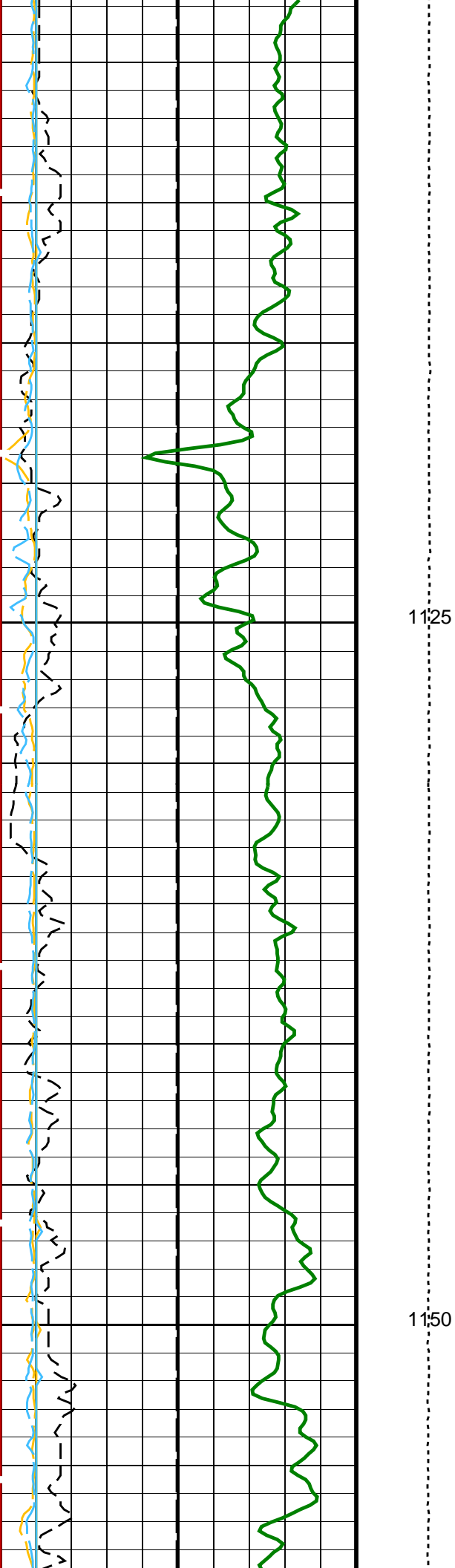
Time Mark Every 60 S

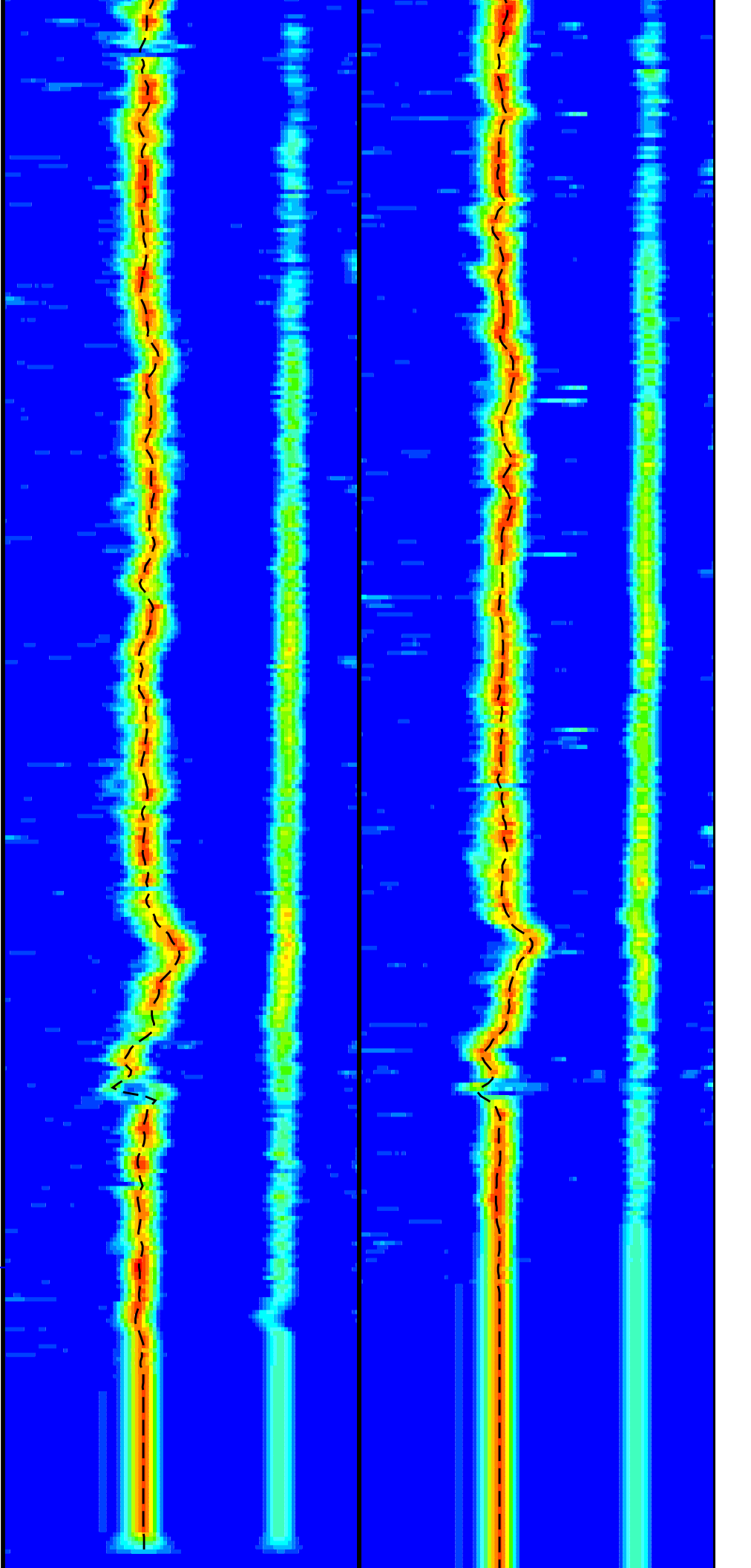
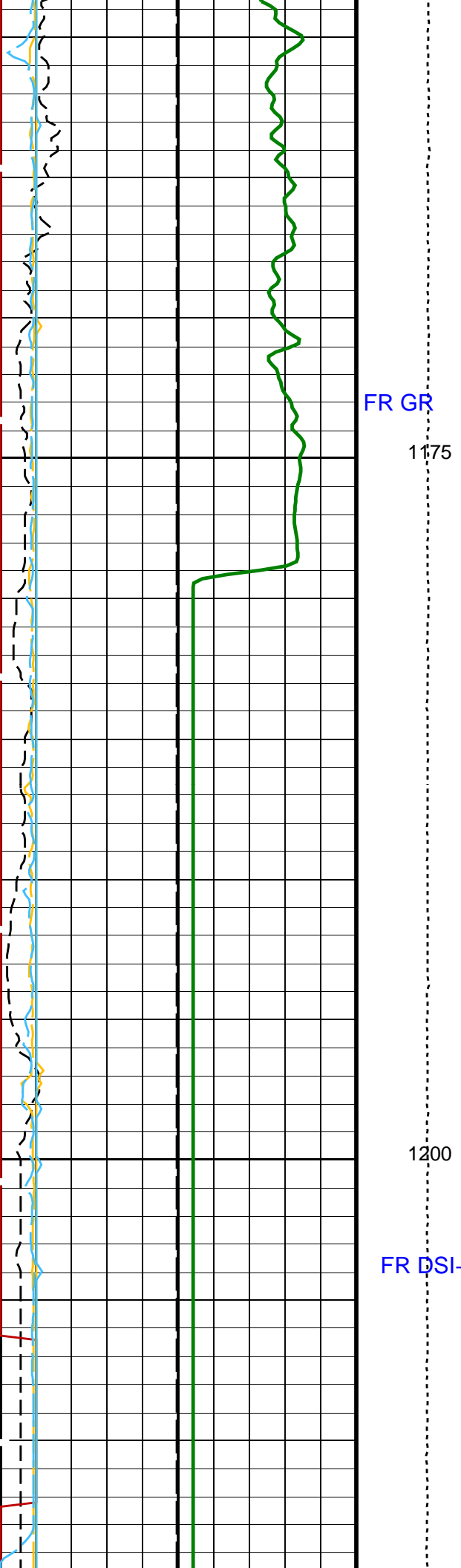
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - P & S Shear (CHTS)		
-1	(----)	9
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / TA - P & S Comp (CHTP)		
0	(----)	10
Peak Coherence / RA - P & S Comp (CHRP)		
0	(----)	10
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----)	10
SAM4 Waveform Gain (WFG4)		
0	(----)	1000
Bit Size (BS)		
0	(IN)	20
Tension (TENS) (LBF)		
10000		0

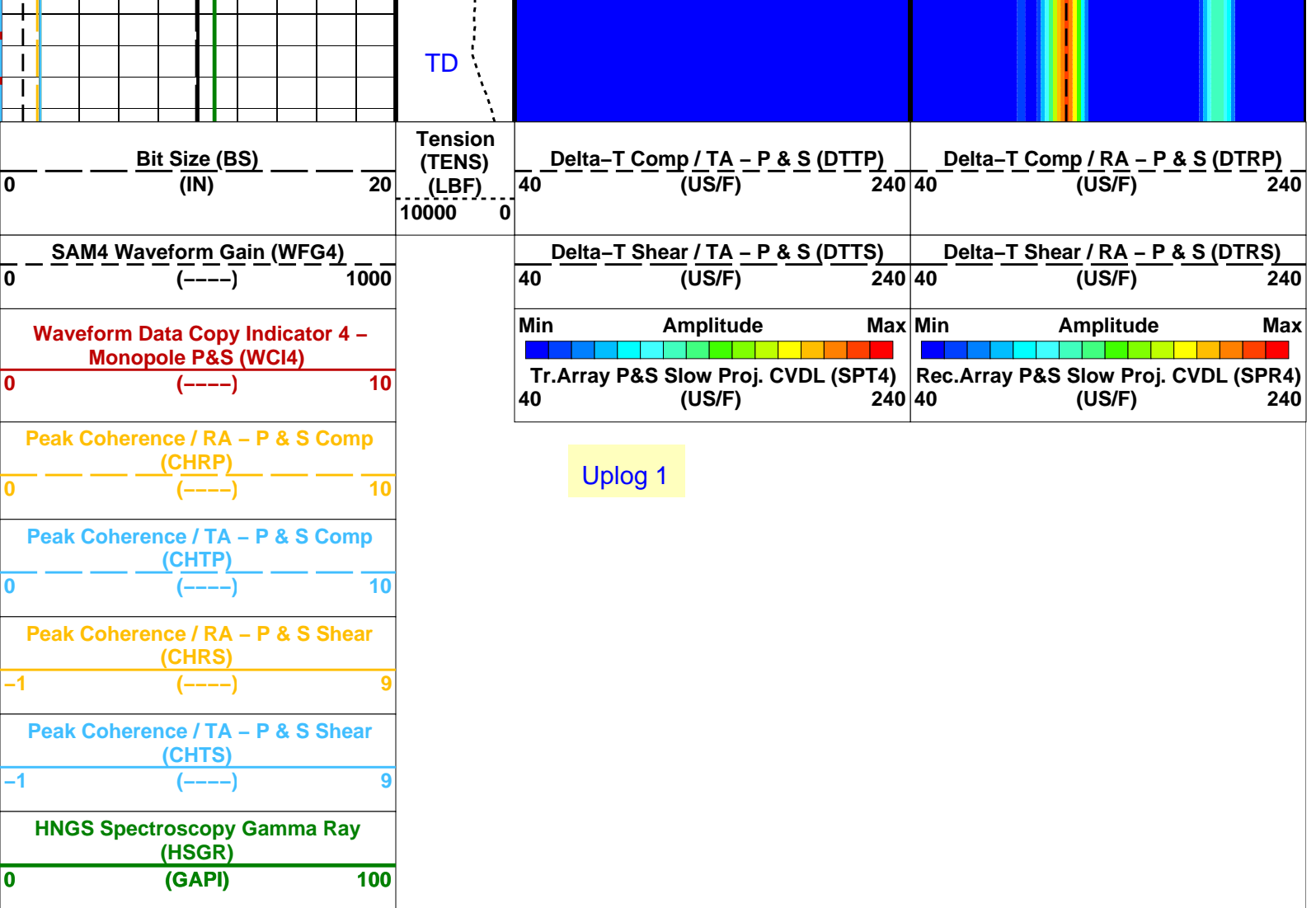
Uplong 1

Min	Amplitude	Max	Min	Amplitude	Max
40	(US/F)	240	40	(US/F)	240
Delta-T Shear / TA - P & S (DTTS)			Delta-T Shear / RA - P & S (DTRS)		
40	(US/F)	240	40	(US/F)	240
Delta-T Comp / TA - P & S (DTTP)			Delta-T Comp / RA - P & S (DTRP)		
40	(US/F)	240	40	(US/F)	240









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	60
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	60 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	202 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTF	Delta-T Fluid	205 US/F
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	LCAL
LFC	Label Formation Character - Monopole P&S	DYNAMIC
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI4	Number Waveform Items 4	8
NWIX	Number Waveform Items X	0
RSMN	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.4
RSMX	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM4	DSST Sonic Acquisition Mode 4 - Monopole Mode for P&S	EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF

SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	239	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
HRLT–B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00319633	
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	1.03762	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	-0.214134	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_RC_TR_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 28–Jan–2018 21:15

OP System Version: 19C0–187

MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	SKK–5169–EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_010LUP	FN:10	PRODUCER	27–Jan–2018 16:21	1218.4 M	1082.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_040PUP	FN:56	PRODUCER	28–Jan–2018 21:15		
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Input DLIS Files

Output DLIS Files

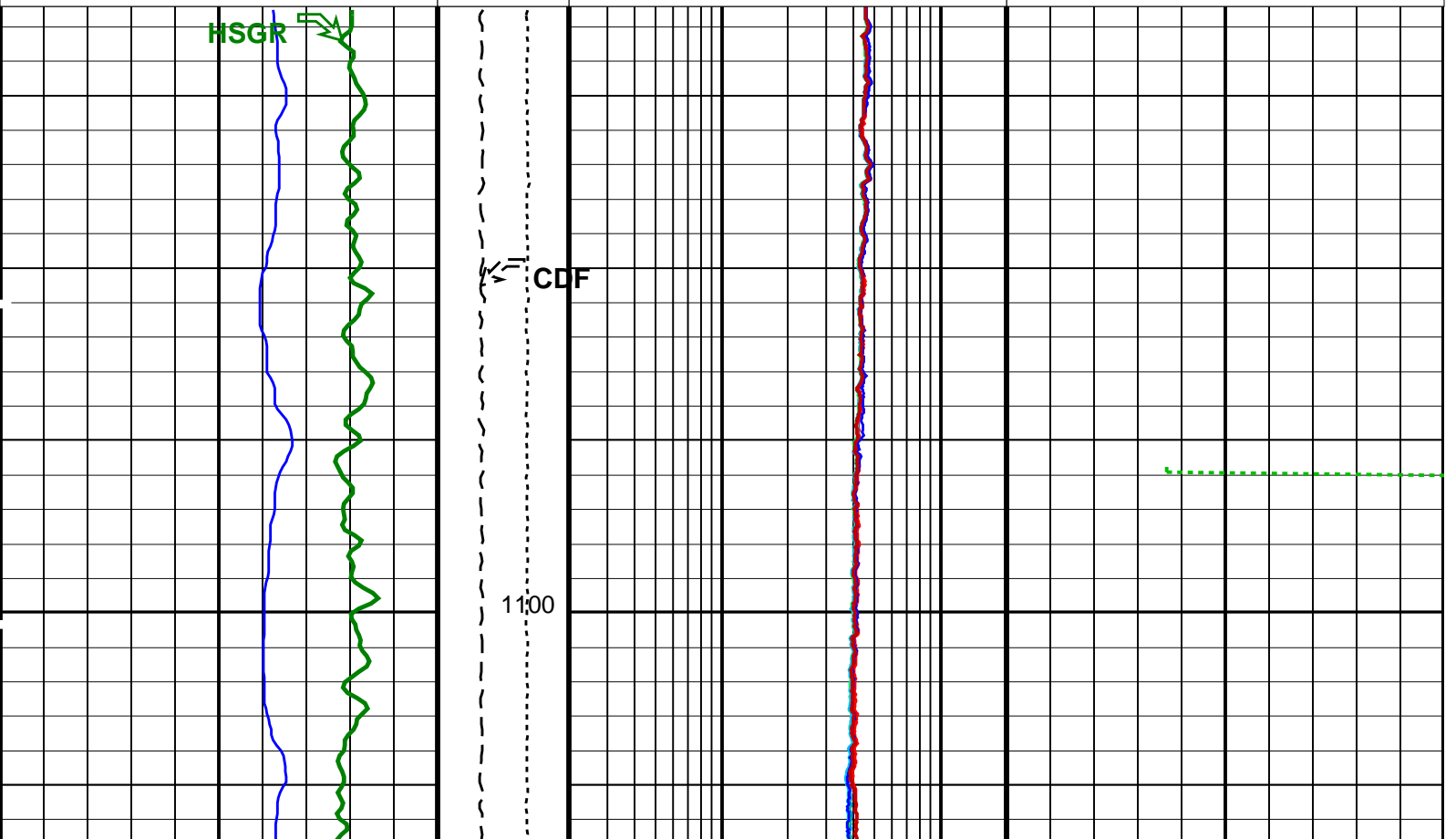
OP System Version: 19C0-187

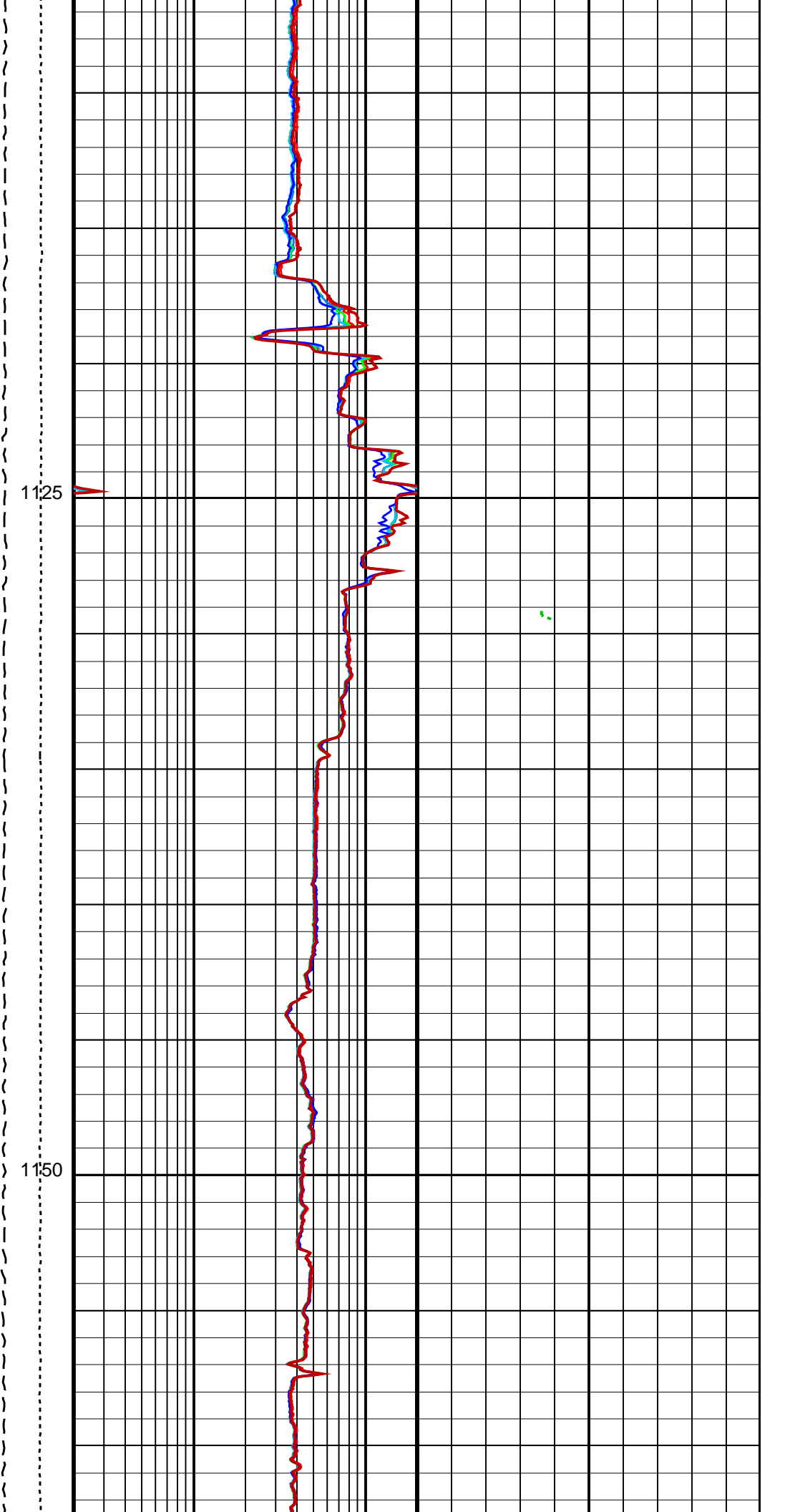
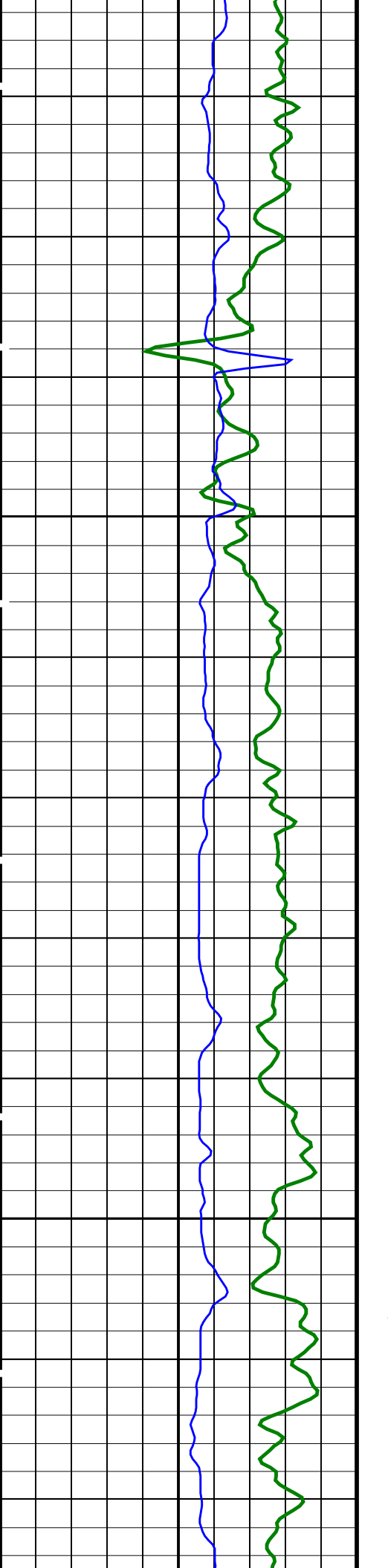
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HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

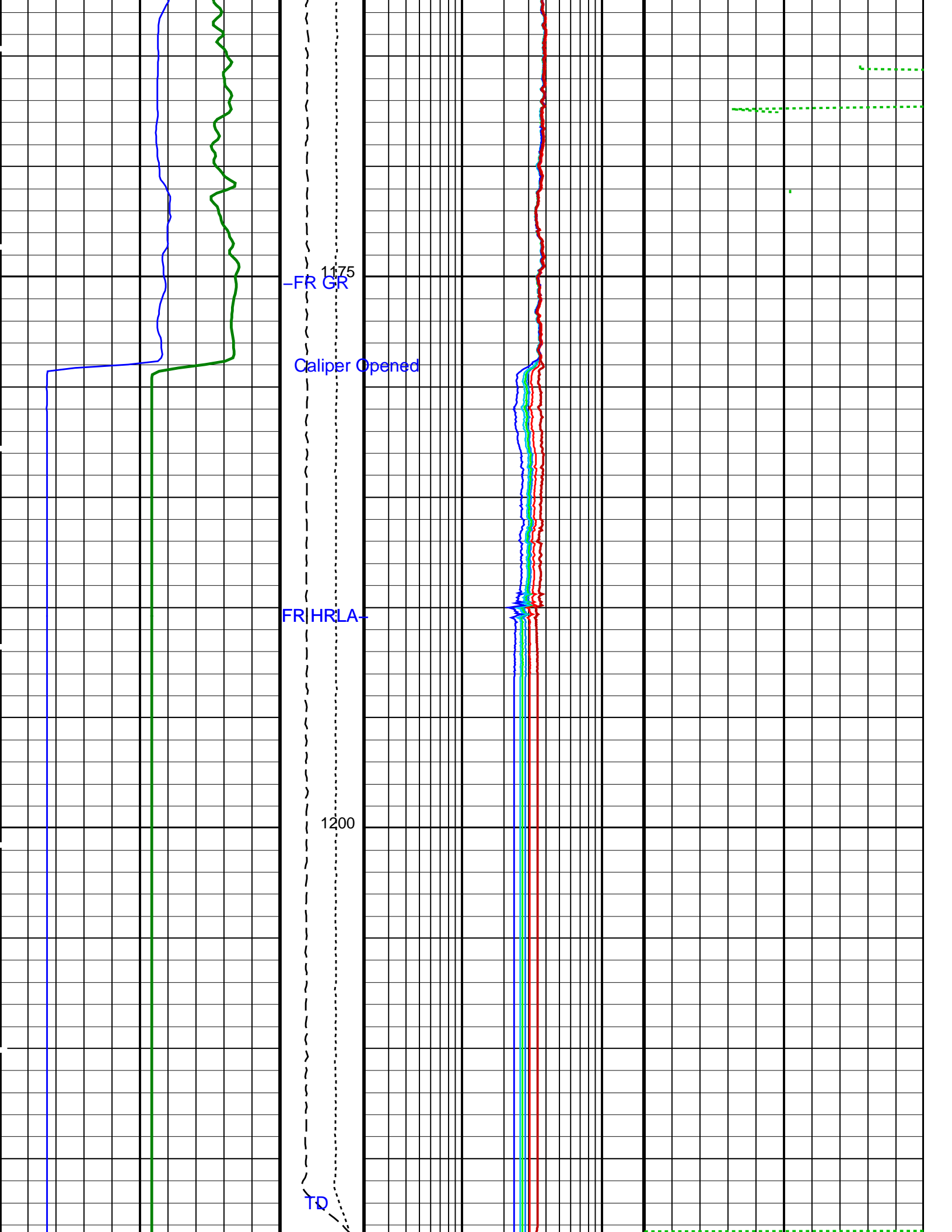
PIP SUMMARY

Time Mark Every 60 S

Uplog 1			HRLT True Resistivity (RT_HRLT)				
			0.2	(OHMM)	20		
			HRLT Resistivity 1 (RLA1)				
			0.2	(OHMM)	20		
			HRLT Resistivity 2 (RLA2)				
		0.2	(OHMM)	20			
		HRLT Resistivity 3 (RLA3)				HLDS Bulk Density Correction (DRH)	
		0.2	(OHMM)	20	-0.25	(G/C3)	0.25
HNGS Spectroscopy Gamma Ray (HSGR)		Calibrated Downhole Force (CDF) (LBF)	HRLT Resistivity 5 (RLA5)		HLDS Bulk Density (RHOM)		
0	100		0.2	(OHMM)	20	0	4
		3000					
HLDS Caliper (LCAL)		Tension (TENS) (LBF)	HRLT Resistivity 4 (RLA4)		HLDS Long Spaced Photoelectric Effect (PEFL)		
0	20		0.2	(OHMM)	20	0	10
		10000					







HLDS Caliper (LCAL) (IN)	Tension (TENS) (LBF)	HRLT Resistivity 4 (RLA4) (OHMM)	HLDS Long Spaced Photoelectric Effect (PEFL) (----)
0 20	10000 0	0.2 20	0 10
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	Calibrated Downhole Force (CDF) (LBF)	HRLT Resistivity 5 (RLA5) (OHMM)	HLDS Bulk Density (RHOM) (G/C3)
0 100	3000 0	0.2 20	0 4
Uplog 1		HRLT Resistivity 3 (RLA3) (OHMM)	HLDS Bulk Density Correction (DRH) (G/C3)
		0.2 20	-0.25 0.25
		HRLT Resistivity 2 (RLA2) (OHMM)	
		0.2 20	
		HRLT Resistivity 1 (RLA1) (OHMM)	
		HRLT True Resistivity (RT_HRLT) (OHMM)	
		0.2 20	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
AGC1	Automatic Gain Control 1	ON
AGC2	Automatic Gain Control 2	ON
AGC3	Automatic Gain Control 3	ON
AGC4	Automatic Gain Control 4	ON
AGC5	Automatic Gain Control 5	ON
AGCX	Automatic Gain Control X	ON
BARS_MTR1	Length for Monopole Transmitter to Receiver 1	2.7432 M
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	212 DEGF
CASF	Label Casing Function - Monopole P&S	60
CDTS	C-Delta-T Shale	100 US/F
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	60 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	202 US/F
DDE1	Digitizing Delay 1	0 US
DDE2	Digitizing Delay 2	0 US
DDE3	Digitizing Delay 3	0 US
DDE4	Digitizing Delay 4	0 US
DDE5	Digitizing Delay 5	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DLHS	Label Hole Diameter Source for SOBS Channel	AUTO
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1040 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSI2	Digitizer Sample Interval 2	40 US
DSI3	Digitizer Sample Interval 3	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSI5	Digitizer Sample Interval 5	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCS Channel	PS_COMP
DTF	Delta-T Fluid	205 US/F
DTM	Delta-T Matrix	56 US/F
DTSS	Shear Delta-T Source for DTSM Channel	LOWER_DIPOLE
DWC1	Digitizer Word Count 1	512
DWC2	Digitizer Word Count 2	512
DWC3	Digitizer Word Count 3	512
DWC4	Digitizer Word Count 4	512
DWC5	Digitizer Word Count 5	512
DWCX	Digitizer Word Count X	512
FDE1	Firing Delay 1	0
FDE2	Firing Delay 2	0
FDE3	Firing Delay 3	0
FDE4	Firing Delay 4	0
FDE5	Firing Delay 5	0
FDEX	Firing Delay X	0
FGM5	First Motion Gate Moveout 5	40 US/F
FGMX	First Motion Gate Moveout X	40 US/F

FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
FMG5	First Motion Minimum Gate 5	500	US
FMGX	First Motion Minimum Gate X	500	US
FMLL	Slowness Lower Limit – FMD	40	US/F
FMRC	Restart Control – FMD	CONTINUE	
FMT5	First Motion Threshold 5	UP	
FMTX	First Motion Threshold X	NONE	
FMUL	Slowness Upper Limit – FMD	180	US/F
FNC5	First Motion Noise Counter Input 5	ALO	
FNCX	First Motion Noise Counter Input X	ALO	
FPM	Processing Mode – FMD	NONE	
FTD5	First Motion Threshold Direction 5	UP	
FTDX	First Motion Threshold Direction X	UP	
GAI1	Manual Gain 1	10	
GAI2	Manual Gain 2	10	
GAI3	Manual Gain 3	6	
GAI4	Manual Gain 4	16	
GAI5	Manual Gain 5	16	
GAIX	Manual Gain X	10	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GDT1	Gain Delta-T 1	800	US/F
GDT2	Gain Delta-T 2	800	US/F
GDT3	Gain Delta-T 3	800	US/F
GDT4	Gain Delta-T 4	160	US/F
GDT5	Gain Delta-T 5	160	US/F
GDTX	Gain Delta-T X	800	US/F
GGRD	Geothermal Gradient	0.01	DF/F
GIN1	Gain Interval 1	15360	US
GIN2	Gain Interval 2	15360	US
GIN3	Gain Interval 3	15360	US
GIN4	Gain Interval 4	2560	US
GIN5	Gain Interval 5	1600	US
GINX	Gain Interval X	15360	US
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HPF1	High Pass Filter 1	F80	
HPF2	High Pass Filter 2	F80	
HPF3	High Pass Filter 3	F80	
HPF4	High Pass Filter 4	F8K	
HPF5	High Pass Filter 5	F8K	
HPFX	High Pass Filter X	F80	
ISSBAR	Barite Mud Switch	BARITE	
ITTS	Integrated Transit Time Source	DTCO	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
LPF1	Low Pass Filter 1	F5K	
LPF2	Low Pass Filter 2	F5K	
LPF3	Low Pass Filter 3	F5K	
LPF4	Low Pass Filter 4	F30K	
LPF5	Low Pass Filter 5	F30K	
LPFX	Low Pass Filter X	F5K	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MAI5	Slowness Averaging Interval – FMD	42	IN
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCS	Mean Casing Slowness	57	US/F
MDS5	Multishot Delta-T Scatter – FMD	20	US
MTXG	Monopole Transmitter Geometry	186	IN
MUX1	Sum Difference Multiplexor Input 1	RR	
MUX2	Sum Difference Multiplexor Input 2	RR	
MUX3	Sum Difference Multiplexor Input 3	RR	
MUX4	Sum Difference Multiplexor Input 4	RR	
MUX5	Sum Difference Multiplexor Input 5	RR	
MUXX	Sum Difference Multiplexor Input X	RR	
NTI5	Number Threshold Items 5	0	
NTIX	Number Threshold Items X	0	
NWI1	Number Waveform Items 1	8	
NWI2	Number Waveform Items 2	8	
NWI3	Number Waveform Items 3	0	
NWI4	Number Waveform Items 4	8	
NWI5	Number Waveform Items 5	0	
NWIX	Number Waveform Items X	0	
NWS1	Number Waveforms Stacked 1	1	
NWS2	Number Waveforms Stacked 2	1	
NWS3	Number Waveforms Stacked 3	1	
NWS4	Number Waveforms Stacked 4	1	
NWS5	Number Waveforms Stacked 5	1	
NWSX	Number Waveforms Stacked X	1	
RATE	Firing Rate	R7	
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

RX3C	Receiver 3 Geometry	310	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN	
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	OFF	
SAM4	DSST Sonic Acquisition Mode 4 – Monopole Mode for P&S	EVEN	
SAM5	DSST Sonic Acquisition Mode 5 – Monopole Mode for FMD	OFF	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SAS5	Sonic Array Status – FMD	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBO3	STC Search Band Offset – Monopole Stoneley	3000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SBW3	STC Search Bandwidth – Monopole Stoneley	8000	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3–1.5K	
SFM2	STC Filter – Upper Dipole	B1–2K	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	239	US/F
SHT	Surface Hole Temperature	55	DEGF
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
LLL1	STC Slowness Lower Limit – Lower Dipole	40	US/F
LLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
LLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F
LLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPSO	Sonic Porosity Source	DTCO	
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL1	STC Slowness Upper Limit – Lower Dipole	1040	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1040	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBDB	Tool String Bottom to DSST Bottom	249.908	IN
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TLL3	STC Time Lower Limit – Monopole Stoneley	600	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST1	STC Time Step – Lower Dipole	200	US
TST2	STC Time Step – Upper Dipole	200	US
TST3	STC Time Step – Monopole Stoneley	200	US
TST4	STC Time Step – Monopole P&S	50	US
TTDB	Tool String Top to DSST Bottom	1656.11	IN
TUL1	STC Time Upper Limit – Lower Dipole	18960	US
TUL2	STC Time Upper Limit – Upper Dipole	18440	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12000	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWA1	Transmitter Waveform Amplitude 1	179	
TWA2	Transmitter Waveform Amplitude 2	179	
TWA3	Transmitter Waveform Amplitude 3	166	
TWA4	Transmitter Waveform Amplitude 4	150	
TWA5	Transmitter Waveform Amplitude 5	150	
TWAX	Transmitter Waveform Amplitude X	179	
TWD1	STC Time Width – Lower Dipole	2000	US

TWD2	STC Time Width - Upper Dipole	2000	US
TWD3	STC Time Width - Monopole Stoneley	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWI3	STC Integration Time Window - Monopole Stoneley	2400	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWR1	Transmitter Waveform Sample Rate 1	20	US
TWR2	Transmitter Waveform Sample Rate 2	5	US
TWR3	Transmitter Waveform Sample Rate 3	5	US
TWR4	Transmitter Waveform Sample Rate 4	5	US
TWR5	Transmitter Waveform Sample Rate 5	5	US
TWRX	Transmitter Waveform Sample Rate X	5	US
TWS1	Transmitter Waveform Select 1	2	
TWS2	Transmitter Waveform Select 2	0	
TWS3	Transmitter Waveform Select 3	4	
TWS4	Transmitter Waveform Select 4	6	
TWS5	Transmitter Waveform Select 5	6	
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
WFDTSP1	SAM1 Waveform Delta for Spectrum	0	US/F
WFDTSP2	SAM2 Waveform Delta for Spectrum	0	US/F
WFDTSP3	SAM3 Waveform Delta for Spectrum	0	US/F
WFDTSP4	SAM4 Waveform Delta for Spectrum	0	US/F
WFDTSPX	SAMX Waveform Delta for Spectrum	0	US/F
WFLSP1	SAM1 Waveform Lower Limit for Spectrum	0	US
WFLSP2	SAM2 Waveform Lower Limit for Spectrum	0	US
WFLSP3	SAM3 Waveform Lower Limit for Spectrum	0	US
WFLSP4	SAM4 Waveform Lower Limit for Spectrum	0	US
WFLSPX	SAMX Waveform Lower Limit for Spectrum	0	US
WFM1	Waveform Mode 1	W1	
WFM2	Waveform Mode 2	W1	
WFM3	Waveform Mode 3	W1	
WFM4	Waveform Mode 4	W1	
WFM5	Waveform Mode 5	W1	
WFMX	Waveform Mode X	W1	
WFULSP1	SAM1 Waveform Upper Limit for Spectrum	20000	US
WFULSP2	SAM2 Waveform Upper Limit for Spectrum	20000	US
WFULSP3	SAM3 Waveform Upper Limit for Spectrum	20000	US
WFULSP4	SAM4 Waveform Upper Limit for Spectrum	5000	US
WFULSPX	SAMX Waveform Upper Limit for Spectrum	20000	US
XMT1	Transmitter Select 1	DLO	
XMT2	Transmitter Select 2	DUP	
XMT3	Transmitter Select 3	MONO	
XMT4	Transmitter Select 4	MONO	
XMT5	Transmitter Select 5	MONO	
XMTX	Transmitter Select X	DUP	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
CALSTAT	HRLTB Calibration Status	SHALLOW_DONE	
CALTEMP	HRLTB Calibration Temperature	2.87911	DEGC
FREQ0	HRLT Frequency Index for Mode 0	32	
FREQ1	HRLT Frequency Index for Mode 1	128	
FREQ2	HRLT Frequency Index for Mode 2	104	
FREQ3	HRLT Frequency Index for Mode 3	86	
FREQ4	HRLT Frequency Index for Mode 4	56	
FREQ5	HRLT Frequency Index for Mode 5	44	
FREQ6	HRLT Frequency Index for Mode 6	116	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	BARITE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
LOOPCOEF_S	HRLT Loop Coefficient for Shallow Modes	LOW	
LOOPMOD0	HRLT Mode 0 Loop Mode	AUTO	
LOOPMOD1	HRLT Mode 1 Loop Mode	AUTO	
LOOPMOD2	HRLT Mode 2 Loop Mode	AUTO	
LOOPMOD3	HRLT Mode 3 Loop Mode	AUTO	
LOOPMOD4	HRLT Mode 4 Loop Mode	AUTO	
LOOPMOD5	HRLT Mode 5 Loop Mode	AUTO	
LOOPMOD6	HRLT Mode 6 Loop Mode	AUTO	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PROCI NV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCM SO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	
SHT	Surface Hole Temperature	55	DEGF
HLDS: Hostile Litho-Density Sonde			
CLCL	HLDS LS Control Loop Controller Mode	AUTO_DEFAULT	
CLCS	HLDS SS Control Loop Controller Mode	AUTO_DEFAULT	
CLLS	HLDS Mode Loop Long Spacing	AUTO	

CLSS	HLDS Mode Loop Short Spacing	AUTO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1	G/C3
LATC	HLDS Activation Correction	OFF	
LLDL	HLDS LS Low Level Discriminator DAC	14000	
LLDS	HLDS SS Low Level Discriminator DAC	14000	
LLML	HLDS LS Low Level Discriminator Mode	AUTO	
LLMS	HLDS SS Low Level Discriminator Mode	AUTO	
MDEN	Matrix Density	2.6	G/C3
PHVL	HLDS Long Spacing High Voltage Setting	1000	V
PHVS	HLDS Short Spacing High Voltage Setting	1000	V
PSDL	HLDS LS Pulse Shape Compensation DAC	30000	
PSDS	HLDS SS Pulse Shape Compensation DAC	30000	
PSML	HLDS LS Pulse Shape Compensation Mode	AUTO	
PSMS	HLDS SS Pulse Shape Compensation Mode	AUTO	
HNGB--BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGB Detector 1 Barite Constant	1	
BAR2	HNGB Detector 2 Barite Constant	1	
BHK	HNGB Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
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	HNGB Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	-0.00319633	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGB Processing Enable	YES	
ISSBAR	Barite Mud Switch	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
S1BI	HNGB Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGB Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGB Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	55	DEGF
TPOS	Tool Position	ECCE	
VBA1	HNGB Detector 1 Variable Barite Factor Running Average	1.03762	
VBA2	HNGB Detector 2 Variable Barite Factor Running Average	-0.214134	
EDTC--B: Enhanced DTS Cartridge			
BHFL	Borehole Fluid Type	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	212	DEGF
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCO	Hole Size Correction Option	YES	
ISSBAR	Barite Mud Switch	BARITE	
ISSBAR_EDTC	Nuclear Mud Type	BARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MWCO	Mud Weight Correction Option	YES	
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	55	DEGF
SOCN	Standoff Distance	0.5	IN
SOCO	Standoff Correction Option	NO	
TPOS_EDTC	EDTC Tool Centered/Eccentered	Eccentered	
U-ETELM_EDTS	Telemetry Mode for eWAFE	Standard_EDTS	
U-TELM_EDTS	Telemetry Mode for WAFE	Standard_EDTS	

System and Miscellaneous

ALTDPCAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	38000.00	PPM
CSIZ	Current Casing Size	5.500	IN
CWEI	Casing Weight	168.00	LB/F
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M

DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	23.00	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	-50000.0000	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	4166	FT
TDD	Total Depth - Driller	1270.30	M
TDL	Total Depth - Logger	1270.11	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

Format: TripleCombo Vertical Scale: 1:200 Graphics File Created: 28-Jan-2018 21:15

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_010LUP	FN:10	PRODUCER	27-Jan-2018 16:21	1218.4 M	1082.2 M
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Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_040PUP	FN:56	PRODUCER	28-Jan-2018 21:15
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Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array - B Wellsite Calibration - HRLT M01							
Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16							
HRLT M0-M1 Voltage Plus - 0	0	N/A	-318.3	-318.2	0.1241	9.681	UV
HRLT M0-M1 Voltage Plus - 1	0	N/A	-328.3	-329.0	-0.6696	9.681	UV
HRLT M0-M1 Voltage Plus - 2	0	N/A	-335.9	-336.2	-0.2464	9.681	UV
HRLT M0-M1 Voltage Plus - 3	0	N/A	-327.1	-327.3	-0.1966	9.681	UV
HRLT M0-M1 Voltage Plus - 4	0	N/A	-319.2	-319.3	-0.05478	9.681	UV
HRLT M0-M1 Voltage Plus - 5	0	N/A	-321.0	-321.2	-0.1465	9.681	UV
HRLT M0-M1 Voltage Plus - 6	0	N/A	317.4	318.0	0.5851	9.681	UV
HRLT M0-M1 Voltage Plus - 7	0	N/A	-322.7	-322.7	0	9.681	UV
High Resolution Laterolog Array - B Wellsite Calibration - HRLT M12							
Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16							
HRLT M1-M2 Voltage Plus - 0	0	N/A	1736	1735	-0.2710	53.42	UV
HRLT M1-M2 Voltage Plus - 1	0	N/A	1798	1801	3.415	53.42	UV
HRLT M1-M2 Voltage Plus - 2	0	N/A	1832	1834	1.683	53.42	UV
HRLT M1-M2 Voltage Plus - 3	0	N/A	1782	1783	1.110	53.42	UV
HRLT M1-M2 Voltage Plus - 4	0	N/A	1738	1738	0.3225	53.42	UV
HRLT M1-M2 Voltage Plus - 5	0	N/A	1748	1749	0.9321	53.42	UV
HRLT M1-M2 Voltage Plus - 6	0	N/A	-1746	-1749	-3.329	53.42	UV
HRLT M1-M2 Voltage Plus - 7	0	N/A	1781	1781	0	53.42	UV
High Resolution Laterolog Array - B Wellsite Calibration - HRLT M23							
Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16							
HRLT M2-M3 Voltage Plus - 0	0	N/A	1728	1728	-0.2058	53.42	UV
HRLT M2-M3 Voltage Plus - 1	0	N/A	1799	1803	3.131	53.42	UV
HRLT M2-M3 Voltage Plus - 2	0	N/A	1836	1838	1.863	53.42	UV
HRLT M2-M3 Voltage Plus - 3	0	N/A	1790	1792	1.552	53.42	UV
HRLT M2-M3 Voltage Plus - 4	0	N/A	1740	1740	0.3014	53.42	UV
HRLT M2-M3 Voltage Plus - 5	0	N/A	1752	1753	1.247	53.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1737	-1740	-2.936	53.42	UV
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	1781	0	53.42	UV
High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34							
Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16							
HRLT A3-A4 Voltage Plus - 0	0	N/A	68510	68500	-14.43	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	71220	71330	113.4	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	72960	73020	61.62	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	71370	71420	45.55	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	69310	69330	24.73	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	69790	69830	40.77	2100	UV

HRLT A3-A4 Voltage Plus - 0	0	N/A	-67770	-67890	-111.8	2100	UV
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45

Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16

HRLT A4-A5 Voltage Plus - 0	0	N/A	68590	68580	-3.766	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	71430	71550	128.9	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	73140	73200	61.62	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	71500	71560	59.20	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69420	69430	12.03	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	69880	69930	44.01	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-67980	-68090	-112.7	2100	UV
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56

Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16

HRLT A5-A6 Voltage Plus - 0	0	N/A	68440	68440	-5.641	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	71250	71390	134.4	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	72960	73030	69.83	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	71380	71430	56.17	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69280	69300	16.05	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	69750	69790	40.77	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-67810	-67930	-120.5	2100	UV
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP

Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68000	-67980	17.38	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-71070	-71200	-130.4	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-72830	-72880	-51.62	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71290	-71340	-52.80	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69260	-69260	0.6328	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69720	-69760	-34.62	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	67580	67690	103.1	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	-70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68030	-68020	14.97	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-71160	-71300	-146.9	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-72910	-72970	-58.65	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71360	-71410	-51.37	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69300	-69310	-8.289	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69750	-69790	-38.33	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	67680	67780	103.9	2100	UV
HRLT Bridle#9-M0 Voltage - 7	0	N/A	-70000	-70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT ISO

Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16

HRLT Source Current Plus - 0	0	N/A	283.8	283.8	-0.03412	8.520	UA
HRLT Source Current Plus - 1	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 2	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 3	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 4	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 5	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 6	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus - 7	0	N/A	281.1	281.1	0	8.520	UA

High Resolution Laterolog Array - B Wellsite Calibration - HRLT MV

Before: 27-Jan-2018 14:18 After: 27-Jan-2018 18:16

HRLT Vertical Voltage PI - 0	0	N/A	-320.2	-319.8	0.3706	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-323.4	-323.6	-0.2485	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-329.6	-329.5	0.05283	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-319.1	-319.1	0.007660	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-308.4	-308.2	0.1684	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-325.1	-325.0	0.07730	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	325.1	325.5	0.3973	9.681	UV
HRLT Vertical Voltage PI - 7	0	N/A	-322.7	-322.7	0	9.681	UV

Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement

Master: 30-Nov-2017 7:34 Before: 20-Jan-2018 20:41 After: 30-Nov-2017 8:16

SS Cs Resolution Bkg	9.000	8.081	8.130	7.987	-0.1422	1.800	%
LS Cs Resolution Bkg	9.000	8.109	8.233	8.163	-0.06907	1.800	%
LSW1 Background	100.0	65.60	63.45	64.77	1.328	0.03000	CPS
LSW2 Background	100.0	60.23	59.06	59.51	0.4491	0.03000	CPS
LSW3 Background	200.0	131.4	130.3	131.0	0.7533	0.03000	CPS
LSW4 Background	250.0	156.8	158.7	160.2	1.516	0.03000	CPS
LSW5 Background	600.0	364.3	364.1	368.3	4.134	0.03000	CPS
SSW1 Background	100.0	72.68	73.49	72.25	-1.242	0.03000	CPS
SSW2 Background	200.0	129.0	128.0	128.7	0.6814	0.03000	CPS
SSW3 Background	500.0	346.2	344.2	345.5	1.305	0.03000	CPS

SSW4 Background	270.0	177.6	180.9	180.9	0.02322	0.03000	CPS
SSW5 Background	200.0	132.1	129.3	130.2	0.9099	0.03000	CPS

Hostile Litho-Density Sonde Wellsite Calibration – Aluminum Measurement

Master: 30-Nov-2017 8:00							
LSW1 Aluminum	600.0	519.1	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	746.8	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	899.8	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	457.7	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	414.7	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2406	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	6494	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	8978	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3692	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	447.6	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration – Lithology Measurement

Master: 30-Nov-2017 7:55							
LSW1 Iron	400.0	353.1	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	601.8	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	791.8	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	414.2	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	380.9	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1741	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	5384	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	8153	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	3353	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	394.4	N/A	N/A	N/A	N/A	CPS

Hostile Litho-Density Sonde Wellsite Calibration – Caliper Calibration

Before: 30-Nov-2017 8:30							
HLDS Caliper Small Ring	12.00	N/A	16.03	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	20.03	N/A	N/A	N/A	IN

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check

Master: 8-Jan-2018 8:17 Before: 18-Jan-2018 15:02 After: 8-Jan-2018 8:28							
Na 511 Peak Loc	40.00	39.59	39.55	39.53	-0.01984	1.000	
Na 511 Peak Res	15.50	15.64	14.43	15.55	1.119	2.000	%
High Voltage	1150	1167	1135	1167	32.27	N/A	V
Na 1785 Peak Loc	142.6	142.6	142.3	141.4	-0.9036	7.000	
Na 1785 Peak Res	8.500	7.971	7.766	8.609	0.8427	2.000	%
Temperature	15.50	23.45	6.172	23.47	17.30	N/A	DEGC
Na Count Rate	45.00	25.59	25.18	25.12	-0.06201	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: 8-Jan-2018 8:17 Before: 18-Jan-2018 15:02 After: 8-Jan-2018 8:28							
Na 511 Peak Loc	40.00	39.56	39.62	39.54	-0.08187	1.000	
Na 511 Peak Res	15.50	15.96	14.71	16.21	1.496	2.000	%
High Voltage	1150	1099	1064	1099	34.71	N/A	V
Na 1785 Peak Loc	142.6	141.9	140.7	141.4	0.6870	7.000	
Na 1785 Peak Res	8.500	8.488	8.077	8.675	0.5976	2.000	%
Temperature	15.50	24.00	6.628	24.04	17.41	N/A	DEGC
Na Count Rate	45.00	25.29	25.36	24.99	-0.3764	8.000	CPS

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

Master: 8-Jan-2018 8:17 Before: 18-Jan-2018 15:02 After: 8-Jan-2018 8:28							
Coincidence Count Rate Ratio	1.000	1.012	0.9949	1.005	0.01014	0.05000	

Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration

Master: 8-Jan-2018 8:08							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	209.5	--	--	--	--	
Th Peak Res	7.000	6.944	--	--	--	--	%
Background Count Rate	142.5	28.74	--	--	--	--	CPS
Gain Ratio	1.000	1.006	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration

Master: 8-Jan-2018 8:08							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	209.2	--	--	--	--	
Th Peak Res	7.000	6.965	--	--	--	--	%
Background Count Rate	142.5	27.70	--	--	--	--	CPS
Gain Ratio	1.000	1.006	--	--	--	--	

Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration

Before: 27-Jan-2018 14:18							
EDTC Z-Axis Acceleration	9.810	N/A	9.790	N/A	N/A	N/A	M/S2

Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration

Before: 8-Jan-2018 7:48 After: 8-Jan-2018 8:26							
Gamma Ray (Jig – Bkg)	139.2	N/A	139.2	139.5	0.3707	12.65	GAPI
Gamma Ray (Calibrated)	164.0	N/A	164.0	164.4	0.4368	15.00	GAPI

High Resolution Laterolog Array – B / Equipment Identification

Primary Equipment:
HRLT Sonde

HRLS – B 768

Auxiliary Equipment:
HRLT lower Housing
HRLT Lower Cartridge
HRLT upper Housing
HRLT Upper Cartridge

HRLH – B 1869
HRLC – B 974
HRUH – B 975
HRUC – B 964

High Resolution Laterolog Array – B Wellsite Calibration

HRLT M01

Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-318.3	-322.7	-280.7	-379.7
	After		-318.2			
1	Before		-328.3	-322.7	-280.7	-379.7
	After		-329.0			
2	Before		-335.9	-322.7	-280.7	-379.7
	After		-336.2			
3	Before		-327.1	-322.7	-280.7	-379.7
	After		-327.3			
4	Before		-319.2	-322.7	-280.7	-379.7
	After		-319.3			
5	Before		-321.0	-322.7	-280.7	-379.7
	After		-321.2			
6	Before		317.4	322.7	379.7	280.7
	After		318.0			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
		(Minimum) (Nominal) (Maximum)				

Before: 27-Jan-2018 14:18

After: 27-Jan-2018 18:16

High Resolution Laterolog Array – B Wellsite Calibration

HRLT M12

Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1736	1781	2095	1549
	After		1735			
1	Before		1798	1781	2095	1549
	After		1801			
2	Before		1832	1781	2095	1549
	After		1834			
3	Before		1782	1781	2095	1549
	After		1783			
4	Before		1738	1781	2095	1549
	After		1738			
5	Before		1748	1781	2095	1549
	After		1749			

6	Before		-1746	-1781	-1549	-2095
	After		-1749			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 27-Jan-2018 14:18						
After: 27-Jan-2018 18:16						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2-M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1728	1781	2095	1549
	After		1728			
1	Before		1799	1781	2095	1549
	After		1803			
2	Before		1836	1781	2095	1549
	After		1838			
3	Before		1790	1781	2095	1549
	After		1792			
4	Before		1740	1781	2095	1549
	After		1740			
5	Before		1752	1781	2095	1549
	After		1753			
6	Before		-1737	-1781	-1549	-2095
	After		-1740			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 27-Jan-2018 14:18						
After: 27-Jan-2018 18:16						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3-A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68510	70000	82360	60900
	After		68500			
1	Before		71220	70000	82360	60900
	After		71330			
2	Before		72960	70000	82360	60900
	After		73020			
3	Before		71370	70000	82360	60900
	After		71420			
4	Before		69310	70000	82360	60900
	After		69330			
5	Before		69790	70000	82360	60900
	After		69830			
6	Before		-67770	-70000	-60900	-82360
	After		-67890			

7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				
Before: 27-Jan-2018 14:18						
After: 27-Jan-2018 18:16						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68590	70000	82360	60900
	After		68580			
1	Before		71430	70000	82360	60900
	After		71550			
2	Before		73140	70000	82360	60900
	After		73200			
3	Before		71500	70000	82360	60900
	After		71560			
4	Before		69420	70000	82360	60900
	After		69430			
5	Before		69880	70000	82360	60900
	After		69930			
6	Before		-67980	-70000	-60900	-82360
	After		-68090			
7	Before		70000	70000	82360	60900
	After		70000			
		(Minimum) (Nominal) (Maximum)				
Before: 27-Jan-2018 14:18						
After: 27-Jan-2018 18:16						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68440	70000	82360	60900
	After		68440			
1	Before		71250	70000	82360	60900
	After		71390			
2	Before		72960	70000	82360	60900
	After		73030			
3	Before		71380	70000	82360	60900
	After		71430			
4	Before		69280	70000	82360	60900
	After		69300			
5	Before		69750	70000	82360	60900
	After		69790			
6	Before		-67810	-70000	-60900	-82360
	After		-67930			
7	Before		70000	70000	82360	60900
	After		70000			

	(Minimum)	(Nominal)	(Maximum)		
Before: 27-Jan-2018 14:18					
After: 27-Jan-2018 18:16					

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VTP							
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68000	-70000	-60900	-82360	
	After		-67980				
1	Before		-71070	-70000	-60900	-82360	
	After		-71200				
2	Before		-72830	-70000	-60900	-82360	
	After		-72880				
3	Before		-71290	-70000	-60900	-82360	
	After		-71340				
4	Before		-69260	-70000	-60900	-82360	
	After		-69260				
5	Before		-69720	-70000	-60900	-82360	
	After		-69760				
6	Before		67580	70000	82360	60900	
	After		67690				
7	Before		-70000	-70000	-60900	-82360	
	After		-70000				
(Minimum) (Nominal) (Maximum)							
Before: 27-Jan-2018 14:18							
After: 27-Jan-2018 18:16							

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VBD							
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68030	-70000	-60900	-82360	
	After		-68020				
1	Before		-71160	-70000	-60900	-82360	
	After		-71300				
2	Before		-72910	-70000	-60900	-82360	
	After		-72970				
3	Before		-71360	-70000	-60900	-82360	
	After		-71410				
4	Before		-69300	-70000	-60900	-82360	
	After		-69310				
5	Before		-69750	-70000	-60900	-82360	
	After		-69790				
6	Before		67680	70000	82360	60900	
	After		67780				
7	Before		-70000	-70000	-60900	-82360	
	After		-70000				
(Minimum) (Nominal) (Maximum)							
Before: 27-Jan-2018 14:18							

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		283.8	284.0	334.1	247.0
	After		283.8			
1	Before		281.1	281.1	330.7	244.4
	After		281.1			
2	Before		281.1	281.1	330.7	244.4
	After		281.1			
3	Before		281.1	281.1	330.7	244.4
	After		281.1			
4	Before		281.1	281.1	330.7	244.4
	After		281.1			
5	Before		281.1	281.1	330.7	244.4
	After		281.1			
6	Before		281.1	281.1	330.7	244.4
	After		281.1			
7	Before		281.1	281.1	330.7	244.4
	After		281.1			
			(Minimum)	(Nominal)	(Maximum)	
Before: 27-Jan-2018 14:18						
After: 27-Jan-2018 18:16						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.2	-322.7	-280.7	-379.7
	After		-319.8			
1	Before		-323.4	-322.7	-280.7	-379.7
	After		-323.6			
2	Before		-329.6	-322.7	-280.7	-379.7
	After		-329.5			
3	Before		-319.1	-322.7	-280.7	-379.7
	After		-319.1			
4	Before		-308.4	-322.7	-280.7	-379.7
	After		-308.2			
5	Before		-325.1	-322.7	-280.7	-379.7
	After		-325.0			
6	Before		325.1	322.7	379.7	280.7
	After		325.5			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
			(Minimum)	(Nominal)	(Maximum)	
Before: 27-Jan-2018 14:18						
After: 27-Jan-2018 18:16						

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:		
Gamma Source Radioactive	GSR – ZA	2945
Hostile Litho Density Sonde	HLDS – D	45
Hostile Litho Density High Voltage	HLDV – D	45
Auxiliary Equipment:		
Hostile Litho Density High Voltage Housi	HEH – H	47
Hostile Litho Density Pad	HLDP – C	45

Litho-Density Spectroscopy Cartridge – B / Equipment Identification

Primary Equipment:		
LDSC Cartridge	LDSC – B	521
Auxiliary Equipment:		
LDSC Housing	LDSH – A	319

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:		
HNGC Cartridge	HNGC – B	304
Auxiliary Equipment:		
HNGC Housing	HNGH – A	3

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:		
HNGS Sonde	HNGS – BA	194
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH – BA	204
Gamma Source Radioactive	GSR – U	6098

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		39.59	Master		15.64	Master		1167
Before		39.55	Before		14.43	Before		1135
After		39.53	After		15.55	After		1167
	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		142.6	Master		7.971	Master		23.45
Before		142.3	Before		7.766	Before		6.172
After		141.4	After		8.609	After		23.47
	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		25.59						
Before		25.18						
After		25.12						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 8-Jan-2018 8:17			Before: 18-Jan-2018 15:02			After: 8-Jan-2018 8:28		

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
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Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value	
Master		39.56	Master		15.96	Master		1099	
Before		39.62	Before		14.71	Before		1064	
After		39.54	After		16.21	After		1099	
	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		141.9	Master		8.488	Master		24.00	
Before		140.7	Before		8.077	Before		6.628	
After		141.4	After		8.675	After		24.04	
	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		25.29							
Before		25.36							
After		24.99							
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: 8-Jan-2018 8:17			Before: 18-Jan-2018 15:02			After: 8-Jan-2018 8:28			







Hostile Natural Gamma Ray Sonde Wellsite Calibration			
Ratio Of Detector 1 To Detector 2			
Phase	Coincidence Count Rate Ratio	Value	
Master		1.012	
Before		0.9949	
After		1.005	
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: 8-Jan-2018 8:17			
Before: 18-Jan-2018 15:02			
After: 8-Jan-2018 8:28			

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		209.5	Master		6.944	
	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		28.74	Master		1.006				
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)			
Master: 8-Jan-2018 8:08									

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		209.2	Master		6.965	
	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		27.70	Master		1.006				
	10.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)	0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)			
Master: 8-Jan-2018 8:08									

Enhanced DTS Cartridge / Equipment Identification		
Primary Equipment:		
EDTC Gamma Ray Detector	EDTG - A/B	8305
Enhanced DTS Cartridge	EDTC - B	8317

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.790
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: 27-Jan-2018 14:18		

Enhanced DTS Cartridge Wellsite Calibration									
Detector Calibration									
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value	
Before		8.772	Before		139.2	Before		164.0	
After		8.903	After		139.5	After		164.4	
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			126.5 (Minimum) 139.2 (Nominal) 151.8 (Maximum)			149.0 (Minimum) 164.0 (Nominal) 179.0 (Maximum)		
Before: 8-Jan-2018 7:48			After: 8-Jan-2018 8:26						

Company: **International Ocean Discovery Program**



Well: **Expedition 374, Site U1522A**

Field: **Ross Sea W. Antarctic Ice Sheet History**

Rig: **JOIDES Resolution**

Ocean: **Southern**

High Resolution Laterolog Array (HRLA)

Dipole Sonic Imager (DSI)

Hostile Natural Gamma Ray (HNGS)-MSS