Rig: **JOIDES Resolution** Country: **USA**

Rig:	JOIDES Resolution	DSI Sonic Lower Dipole			
Field:	Asian Monsoon				
Location:	Latitude: N 35° 1.9996'	LOCATION	Latitude: N 35° 1.9996'		Elev.: K.B.    −337.10 m
Well:	Expedition 346, Site U1427A		Longitude: E 134° 47.999'		G.L.        0.00 m
Company:	Lamont Doherty Earth Observatory				D.F.        −337.10 m
		Permanent Datum:        Sea Floor		Elev.:    0.00 m	
		Log Measured From:        Drill Floor		−337.10 m above Perm. Datum	
		Drilling Measured From:        Drill Floor			
		Ocean: Pacific	Max. Well Deviation 0 deg	Longitude E 134.8°	Latitude N 35.033°

Logging Date			8-Sep-2013					
Run Number			2					
Depth Driller			548.6 m					
Schlumberger Depth			547.1 m					
Bottom Log Interval			527.7 m					
Top Log Interval			82.2 m					
Casing Driller Size @ Depth			5.500 in @ 83 m			@		
Casing Schlumberger			82.2 m					
Bit Size			11.438 in					
Type Fluid In Hole			WBM					
MUD	Density	Viscosity	1.26 g/cm3					
	Fluid Loss	PH						
	Source Of Sample		N/A					
	RM @ Measured Temperature		@			@		
RMF @ Measured Temperature		@			@			
RMC @ Measured Temperature		@			@			
Source RMF	RMC		N/A		N/A			
RM @ MRT	RMF @ MRT		@ 15		@ 15		@	@
Maximum Recorded Temperatures			15 degC					
Circulation Stopped		Time	8-Sep-2013		5:00			
Logger On Bottom		Time	8-Sep-2013		14:35			
Unit Number		Location	625003 Houston					
Recorded By			C. Furman					
Witnessed By			J. Lofi					

[illegible]

Run 4

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

OS1:	HLDS
OS2:	HNGS
OS3:	MSS
OS4:	FMS
OS5:	HRLA

Hole drilled and cored using APC/XCB coring system.
Modified MCD devices run above and below HRLA for centralization.
HLDS and MSS eccentralized by caliper and bowspring with knuckled to decouple from HRLA.
LFV Actuator (Go–Devil) run attached to bottom of MSS for LFV locking open / closed.
Logs recorded from drill floor (337.1m above permanent datum) then shifted to zero at sea floor.
Hole drilled with sea water and then displaced with weighted water–based mud having a density of 1.259 g/cc (10.5ppg).
Barite corrections applied to nuclear logs.
DSI run with Upper Dipole, P&S, and Stoneley in standard frequency for all passes.
DSI Lower Dipole run in LFD mode for downlog; standard frequency for both up passes.
EMEX switched off at 93.8m and FMS caliper closed at 91.8m to facilitate pipe entry.

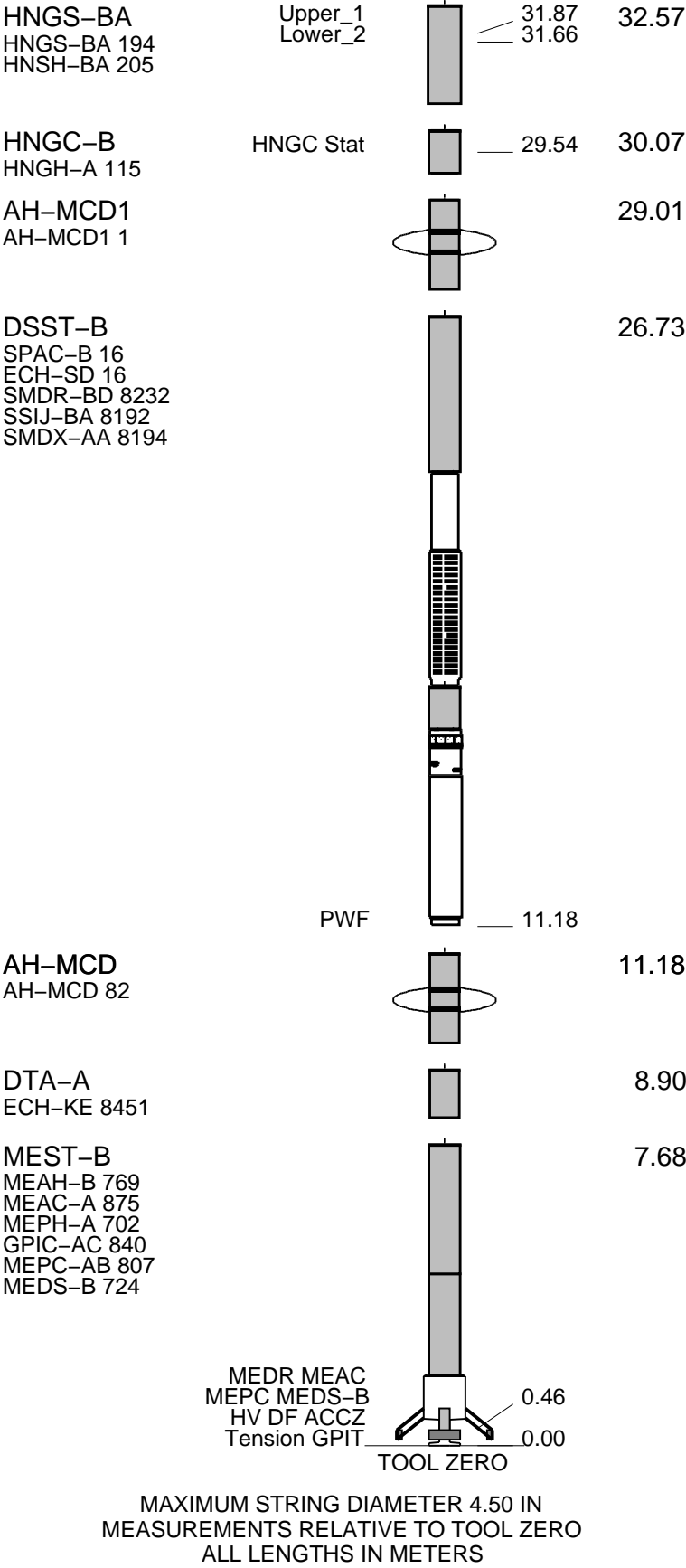
STOP

RUN 2

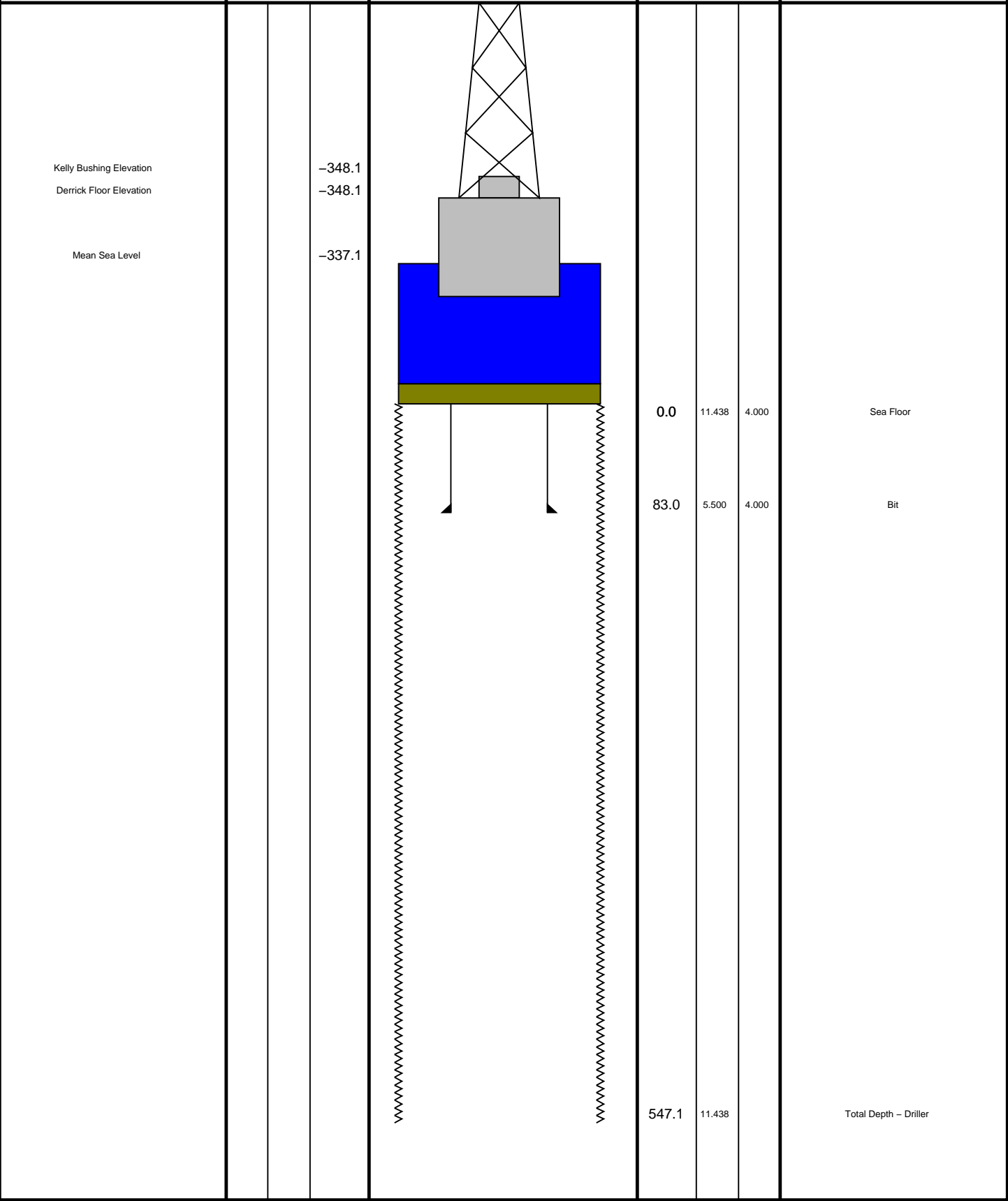
GSR-U 616008  
WITM (EDTS)-A

34.55  
33.49  
32.92  
  
32.57

34.55



Production String	(in)	(m)	Well Schematic	(m)	(in)	Casing String
	CD	ID	MD	MD	CD	ID





Downlog  
1:200 Scale

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_028LUP	PRODUCER	09-Sep-2013 12:27	886.4 M	290.3 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_037PUP	FN:45	PRODUCER	09-Sep-2013 13:33	547.0 M	-22.3 M
CLIENT	FMS_DSI_NGS_037PUC	FN:46	CUSTOMER	09-Sep-2013 13:33	547.0 M	-22.9 M

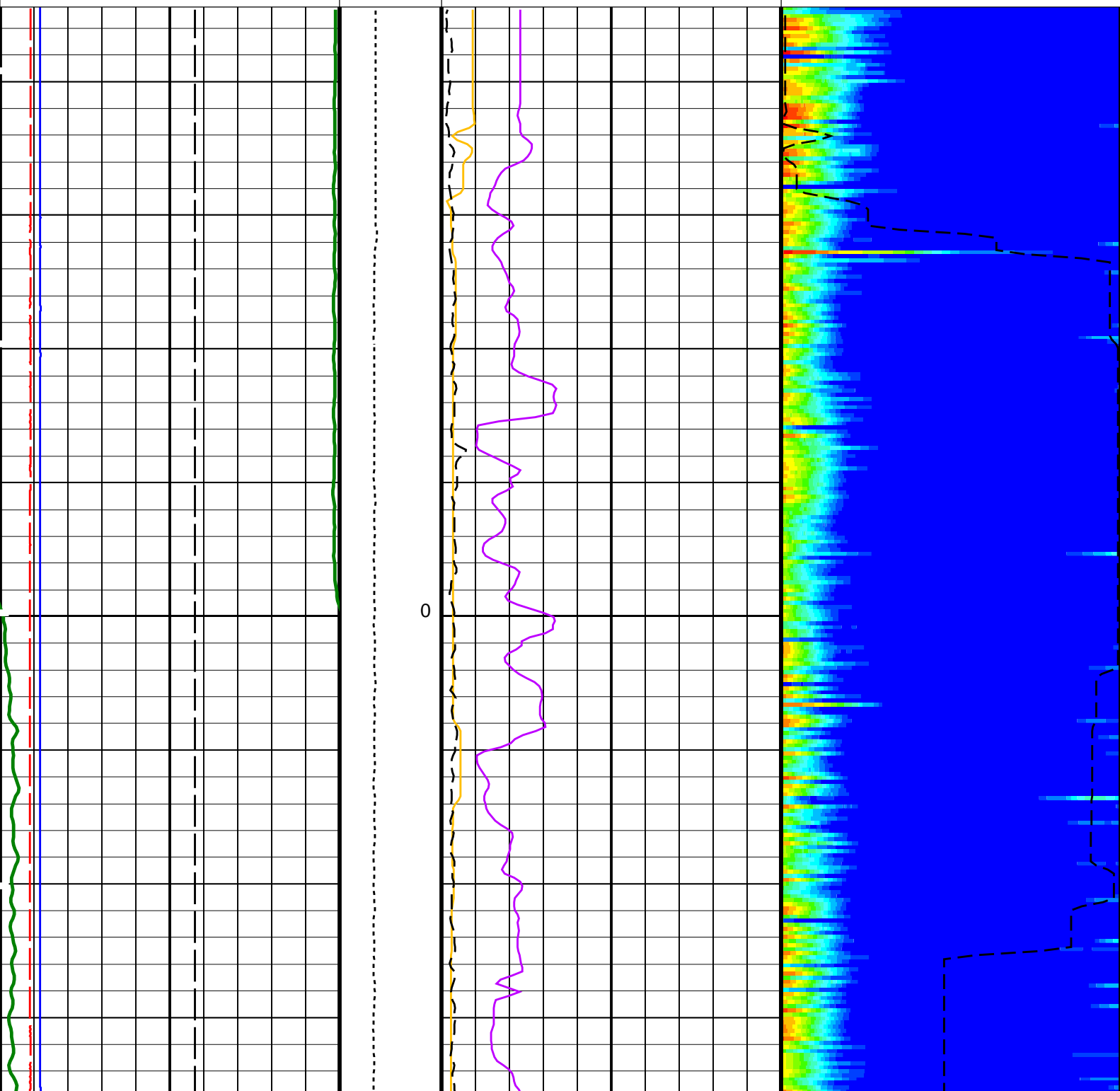
OP System Version: 19C0-187

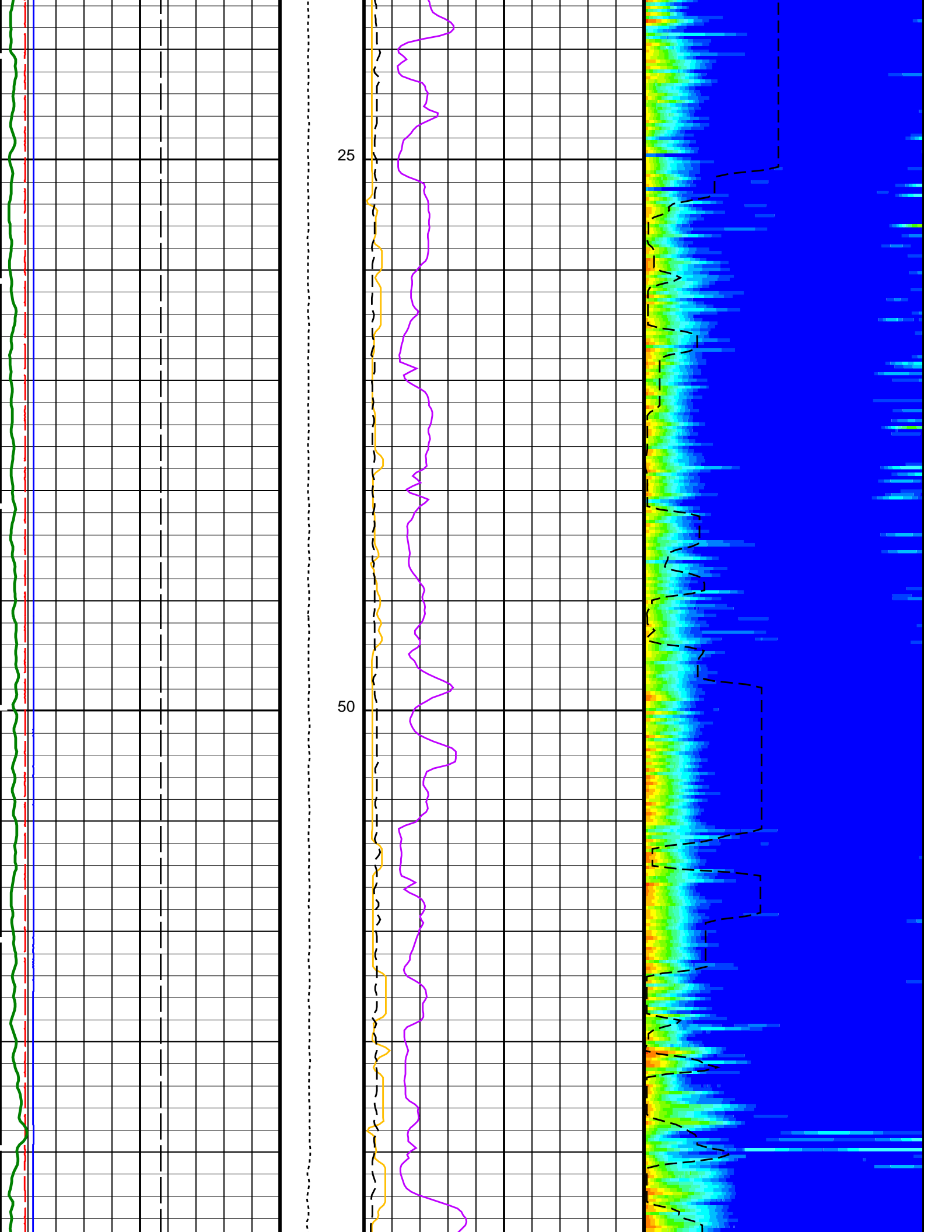
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

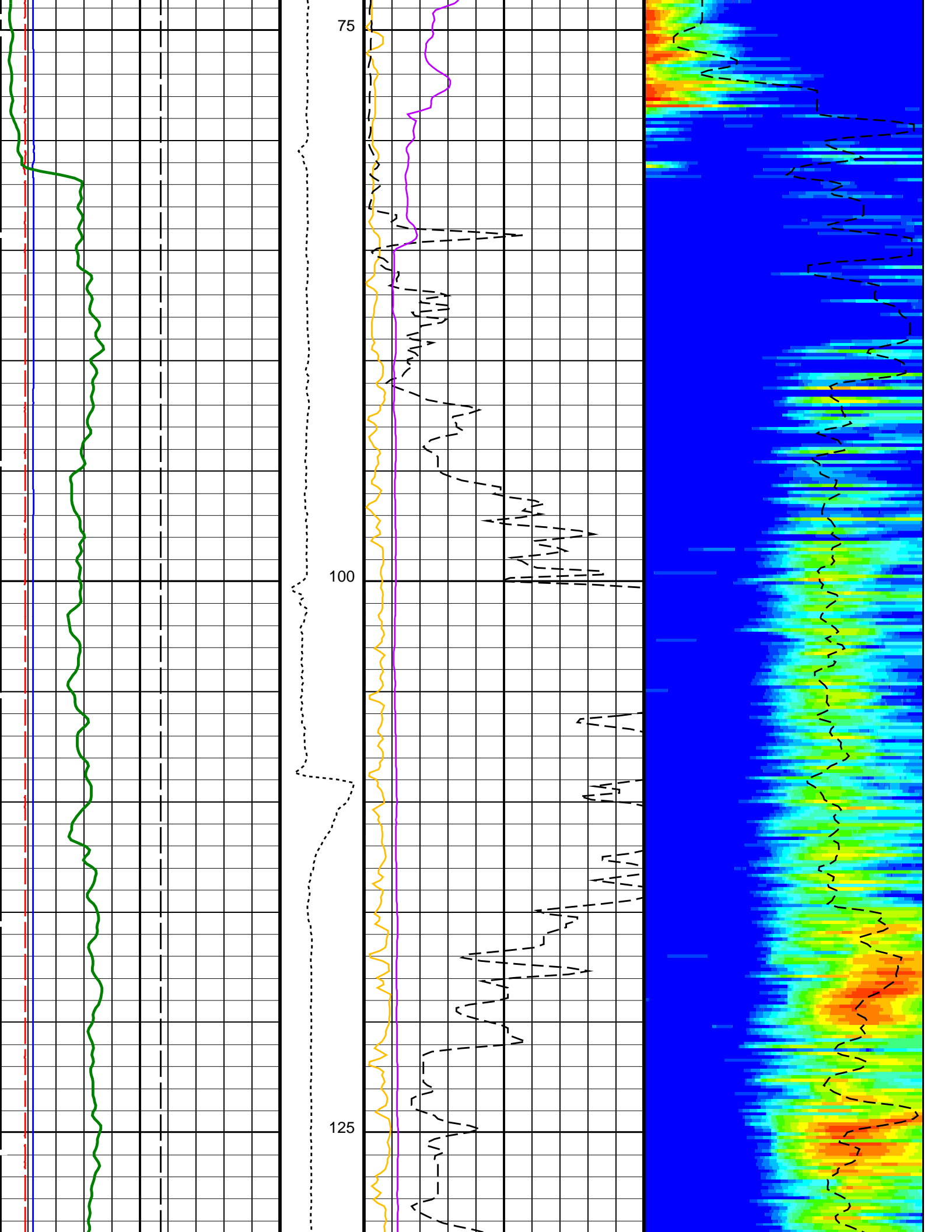
PIP SUMMARY

Time Mark Every 60 S

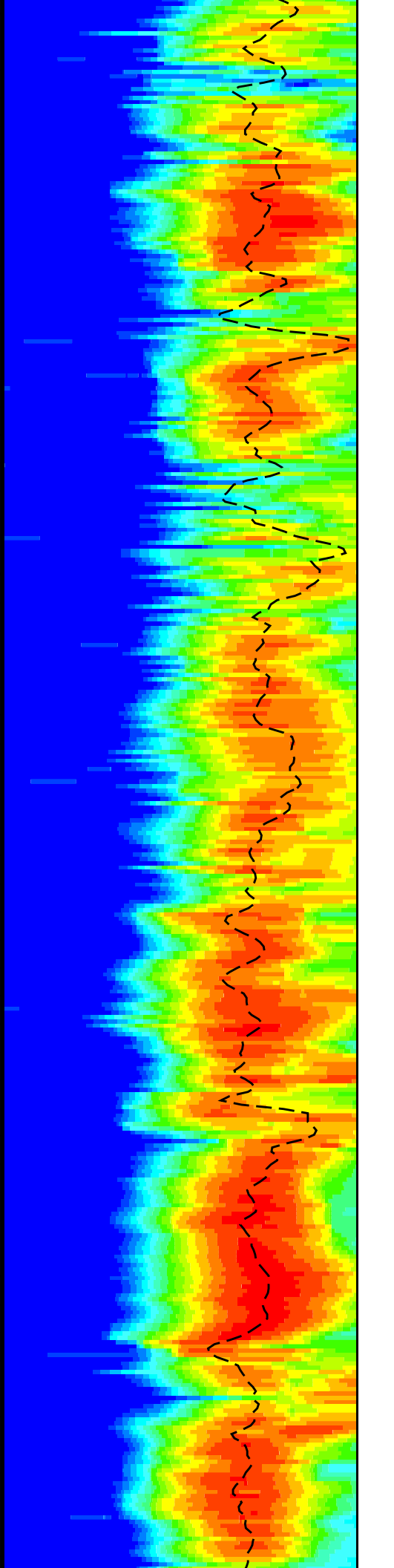
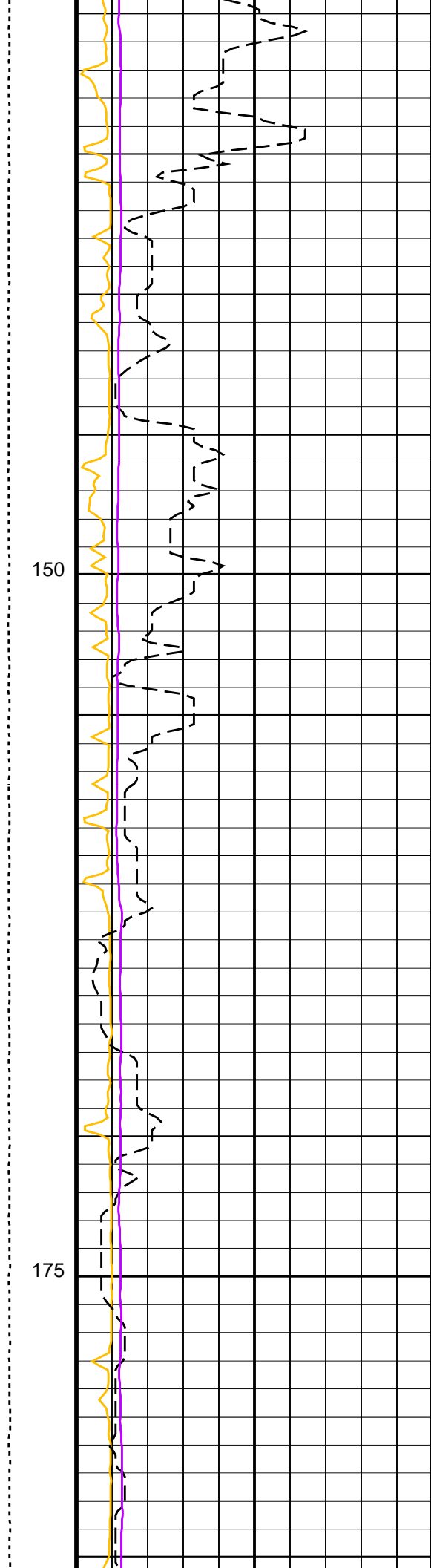
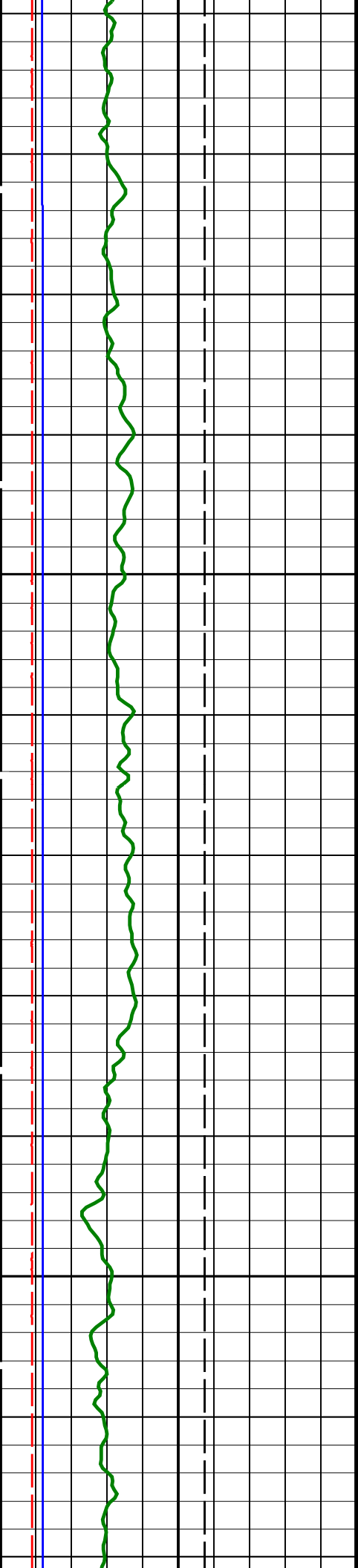
HNGS Spectroscopy Gamma Ray (HSGR)			
0	(GAPI)	100	
Caliper 1 (C1)		Sonic Velocity (SVEL)	
0	(IN)	20	1000 (M/S) 6000
Caliper 2 (C2)		SAM1 Waveform Gain (WFG1)	
0	(IN)	20	0 1000
Bit Size (BS)		Tension (TENS) (LBF)	Peak Coherence / RA - Lower Dipole (CHR1)
0	(IN)	20	0 10
		0 5000	Delta-T Shear / RA - Lower Dipole (DT1R) (US/F) 300 1200

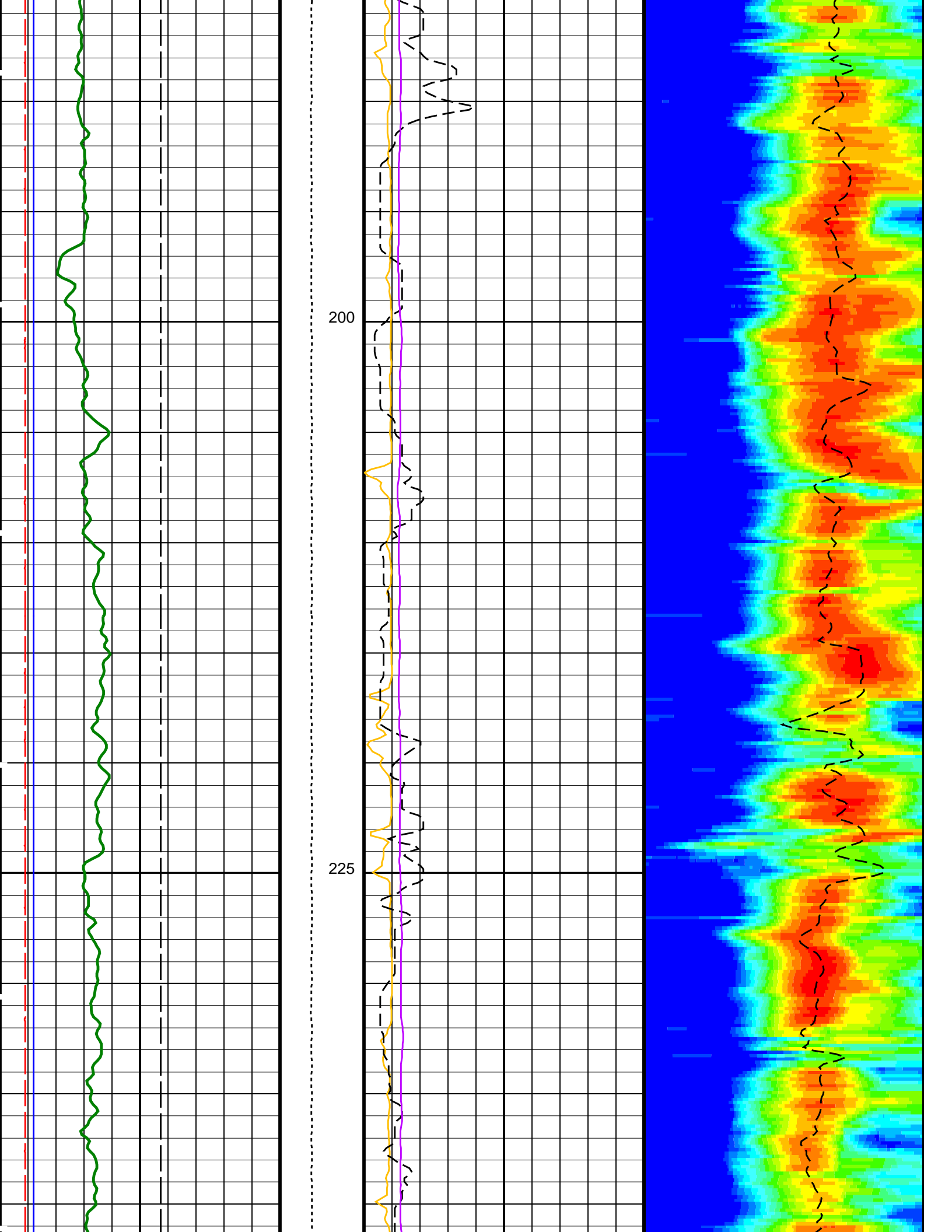


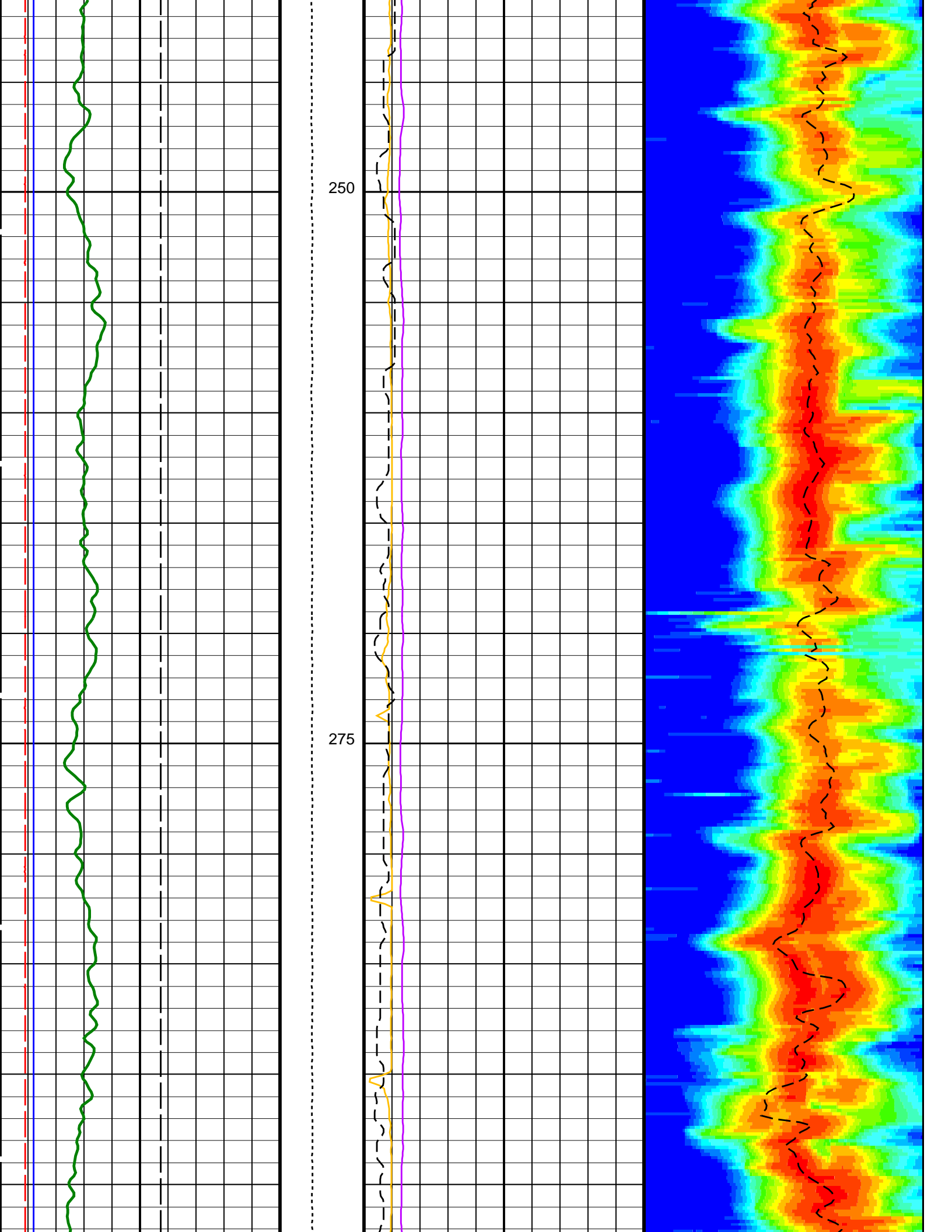


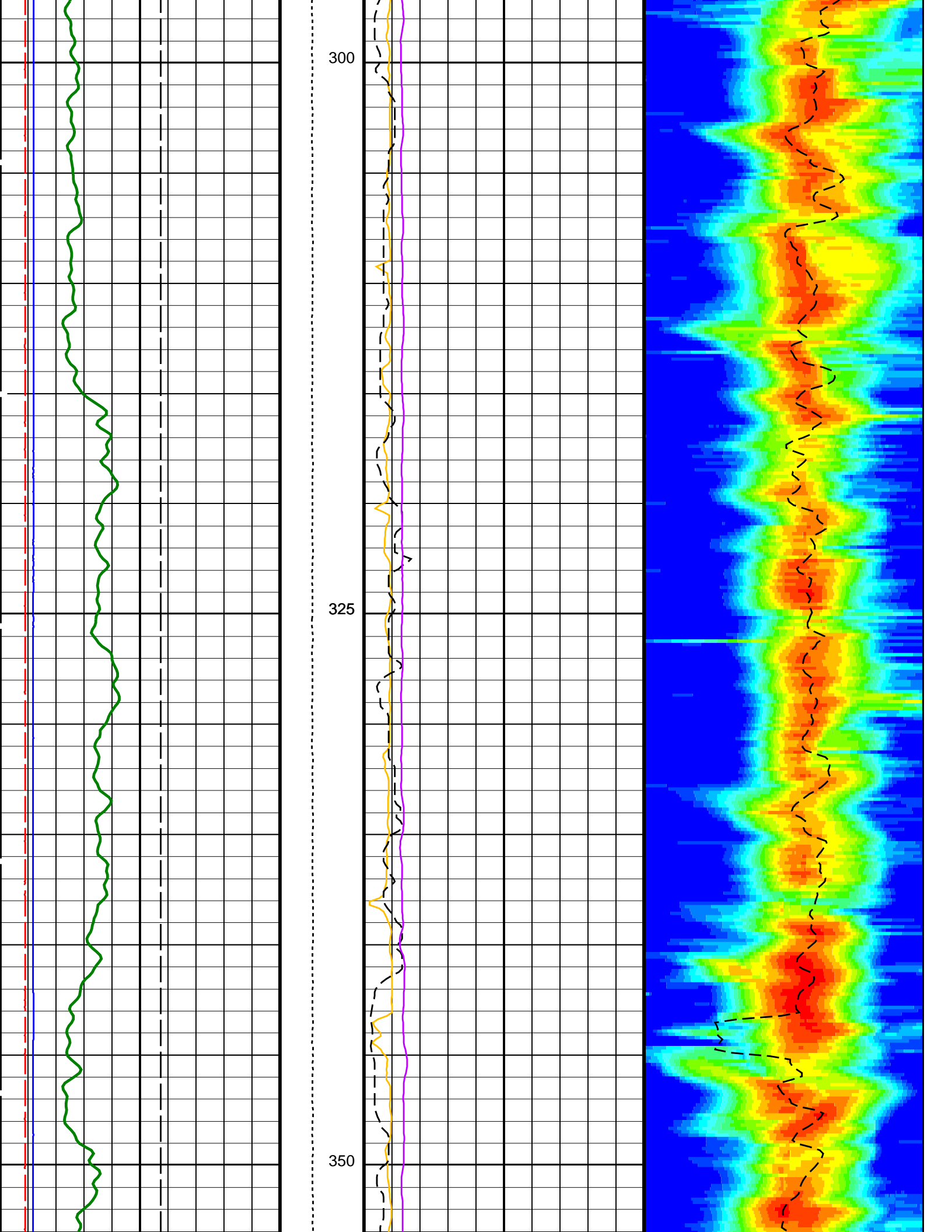


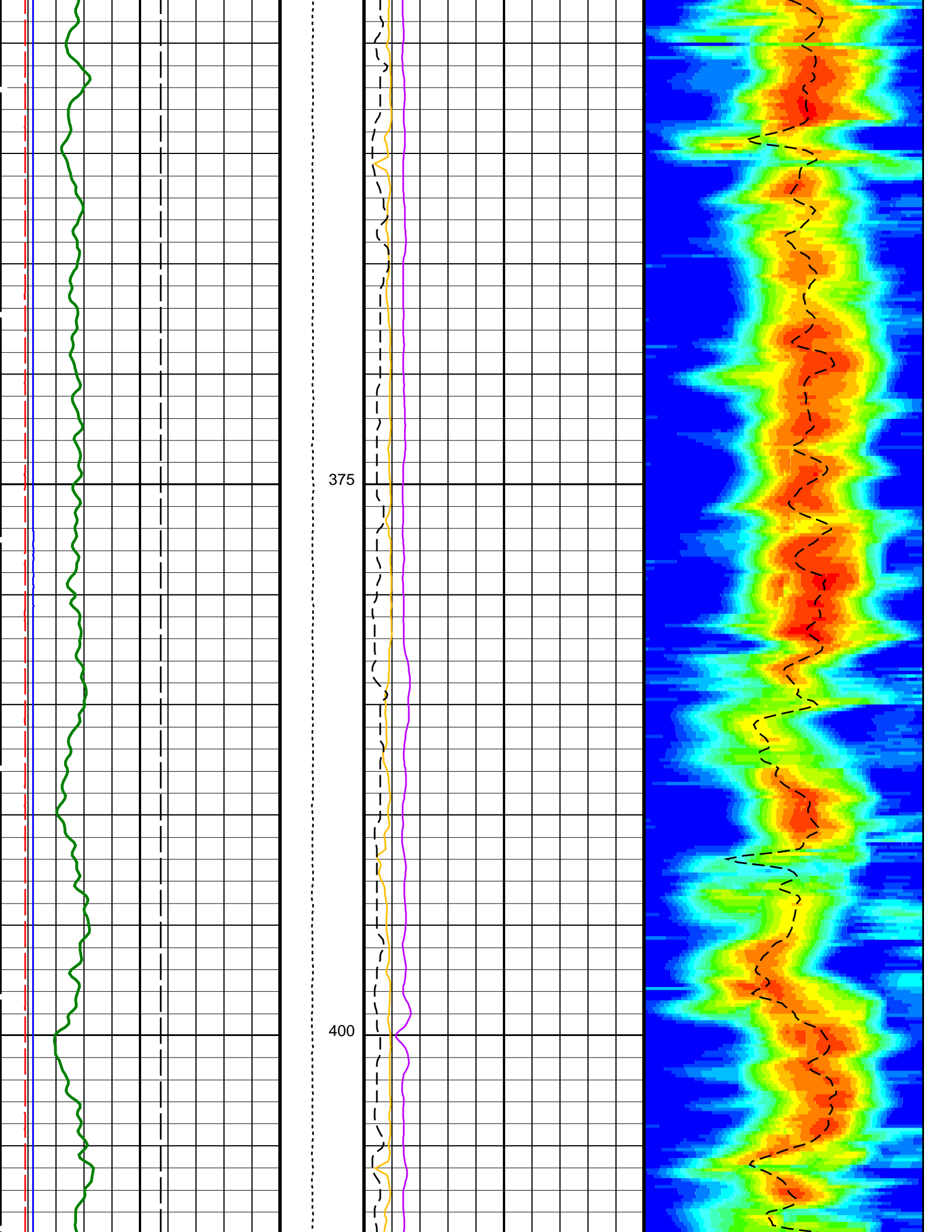


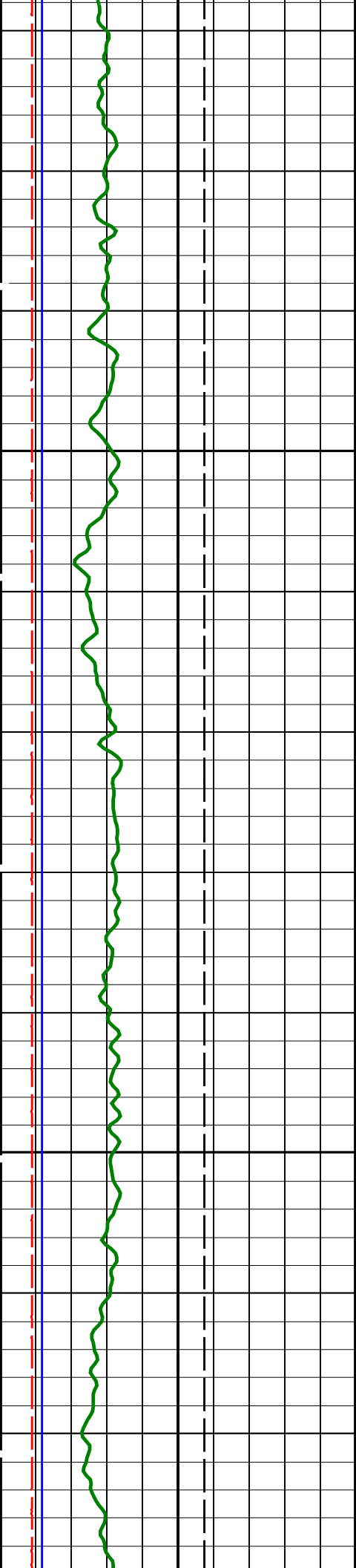






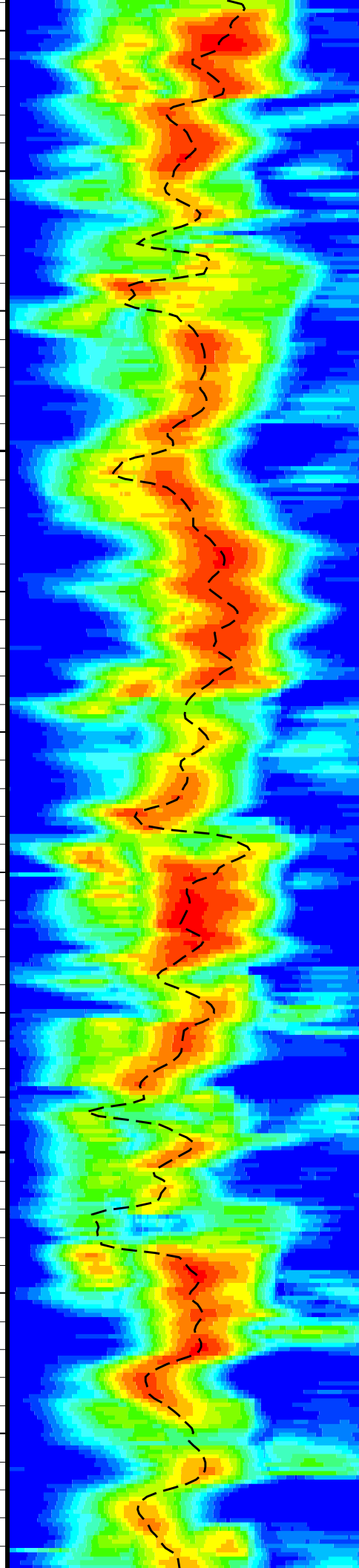
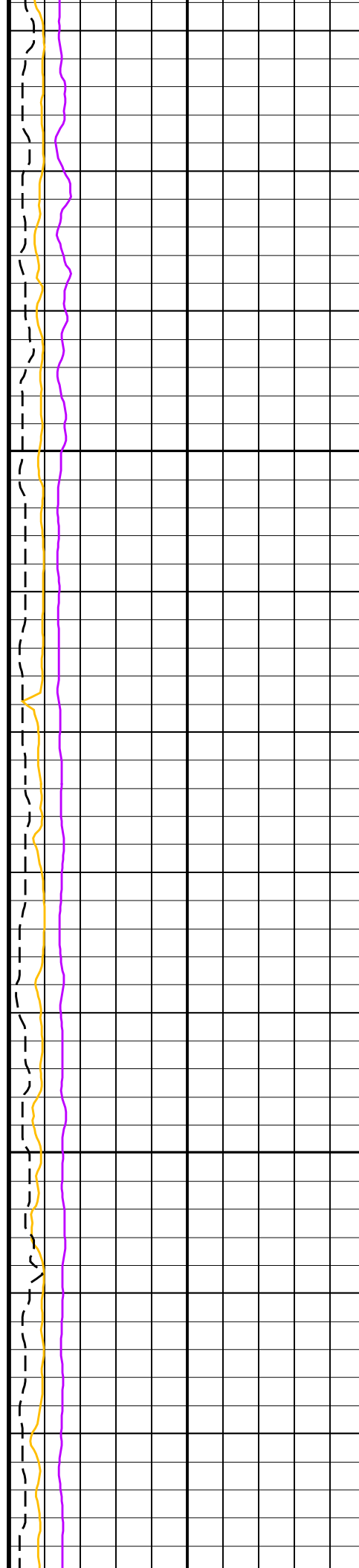


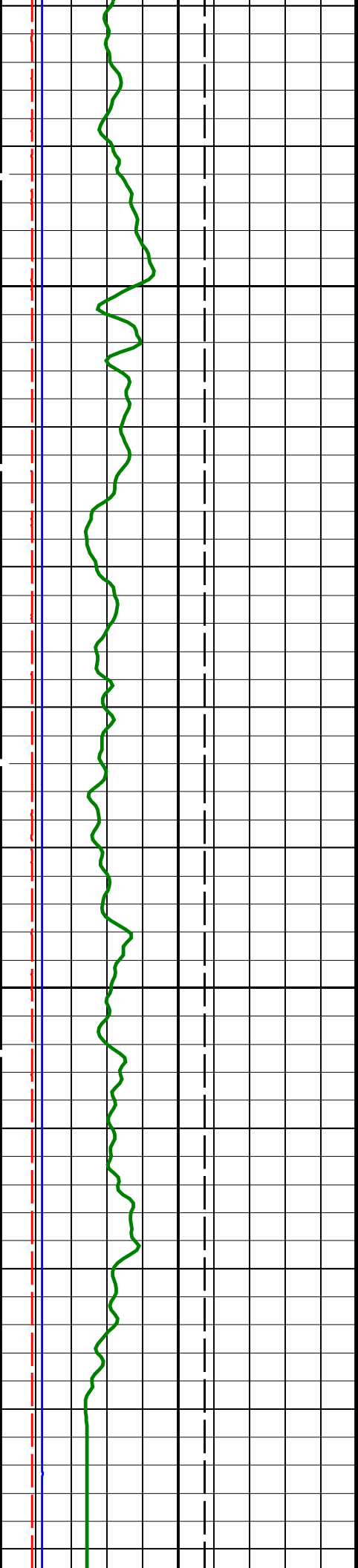




425

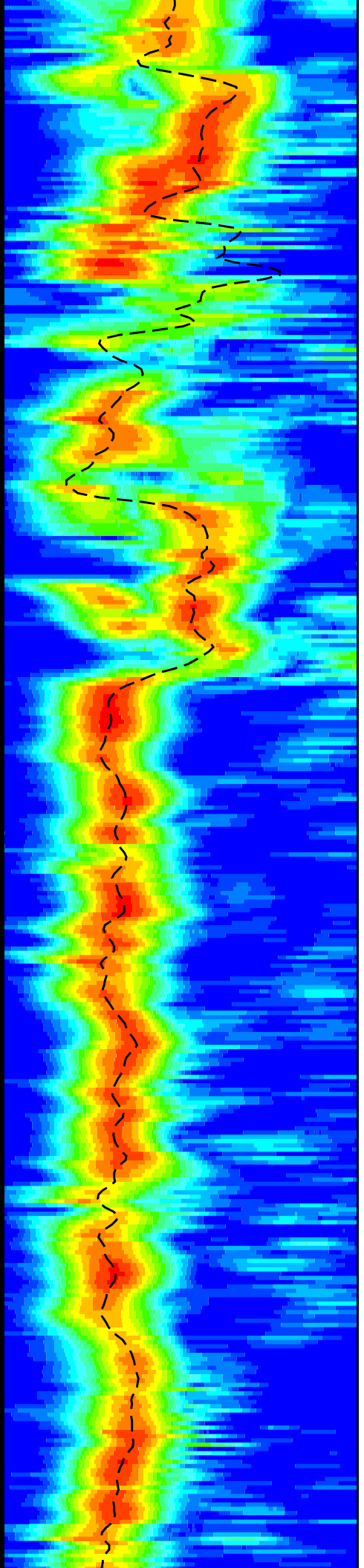
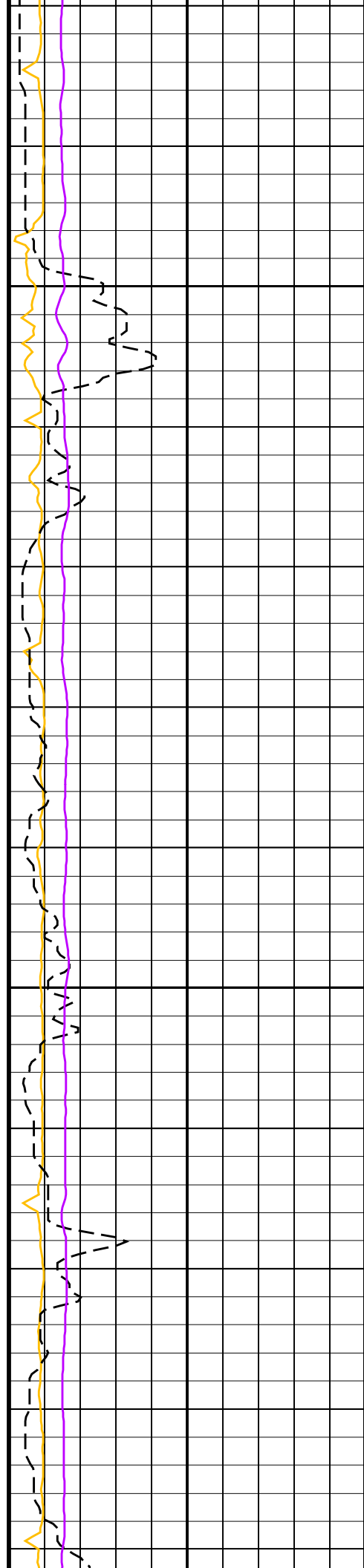
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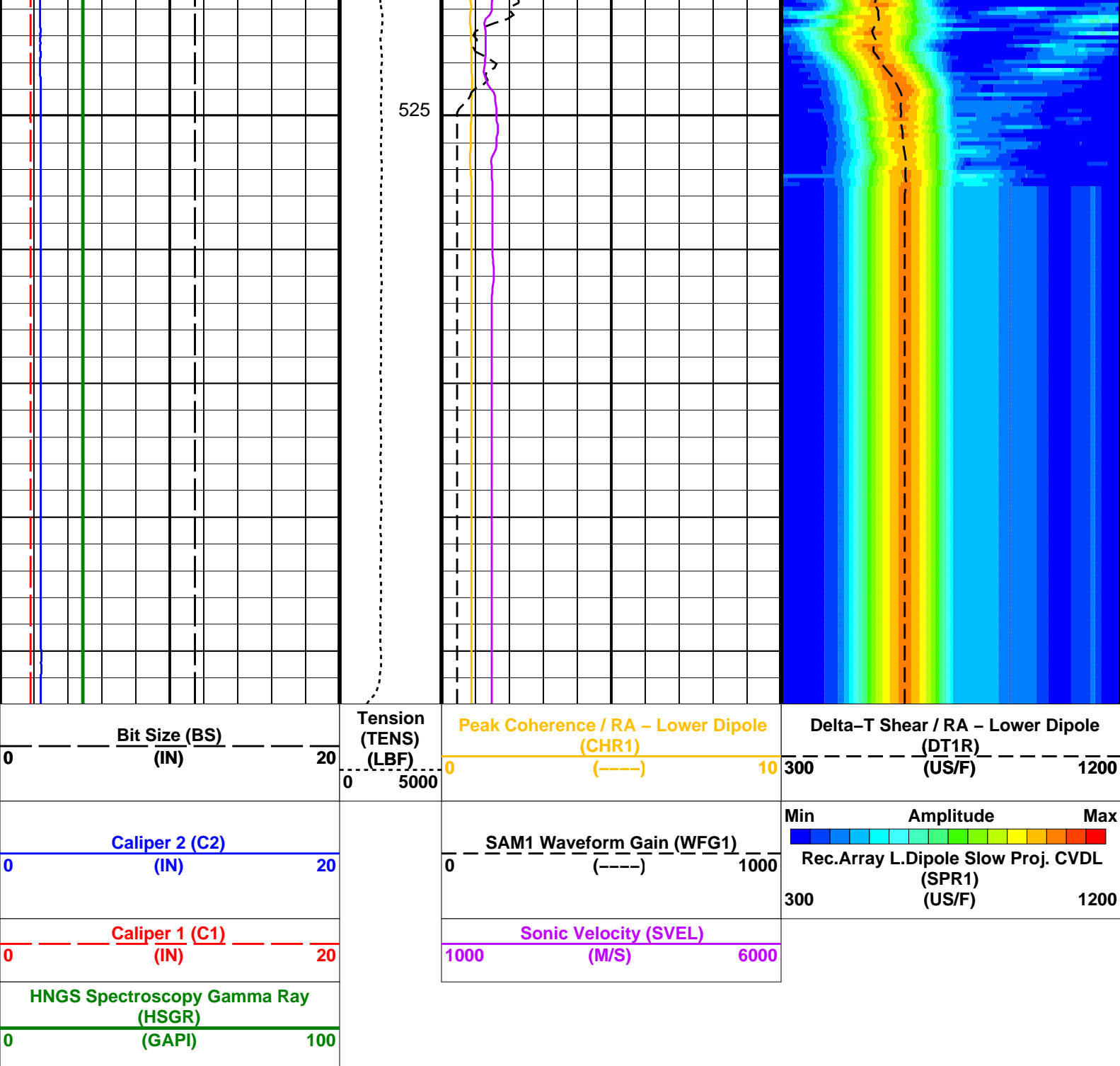




475

500





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	300	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta–T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	C1	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIY	Number Waveform Items Y	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	300	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	1200	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	2450	US
TST1	STC Time Step – Lower Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TWD1	STC Time Width – Lower Dipole	2000	US
TW1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
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	
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	C1	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	–0.098106	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGB Processing Enable	YES	
S1BI	HNGB Detector 1 Calibration Bismuth Count Rate	–999.25	CPS
S2BI	HNGB Detector 2 Calibration Bismuth Count Rate	–999.25	CPS
SGRC	HNGB Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGB Detector 1 Variable Barite Factor Running Average	1.07049	
VBA2	HNGB Detector 2 Variable Barite Factor Running Average	1.06536	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	–339.4	M
PP	Playback Processing	RECOMPUTE	

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 09–Sep–2013 13:33

## OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	HNGC–B	19C0–187
HNGB–BA	19C0–187	EDTC–B	SKK–5169–EDTCB

## Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_028LUP	PRODUCER	09–Sep–2013 12:27	886.4 M	290.3 M
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## Output DLIS Files

DEFAULT	FMS_DSI_NGS_037PUP	FN:45	PRODUCER	09–Sep–2013 13:33
CLIENT	FMS_DSI_NGS_037PUC	FN:46	CUSTOMER	09–Sep–2013 13:33

Input DLIS Files

DEFAULT	FMS_DSI_NGS_013LUP	FN:12	PRODUCER	08-Sep-2013 05:22	884.7 M	764.3 M
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Output DLIS Files

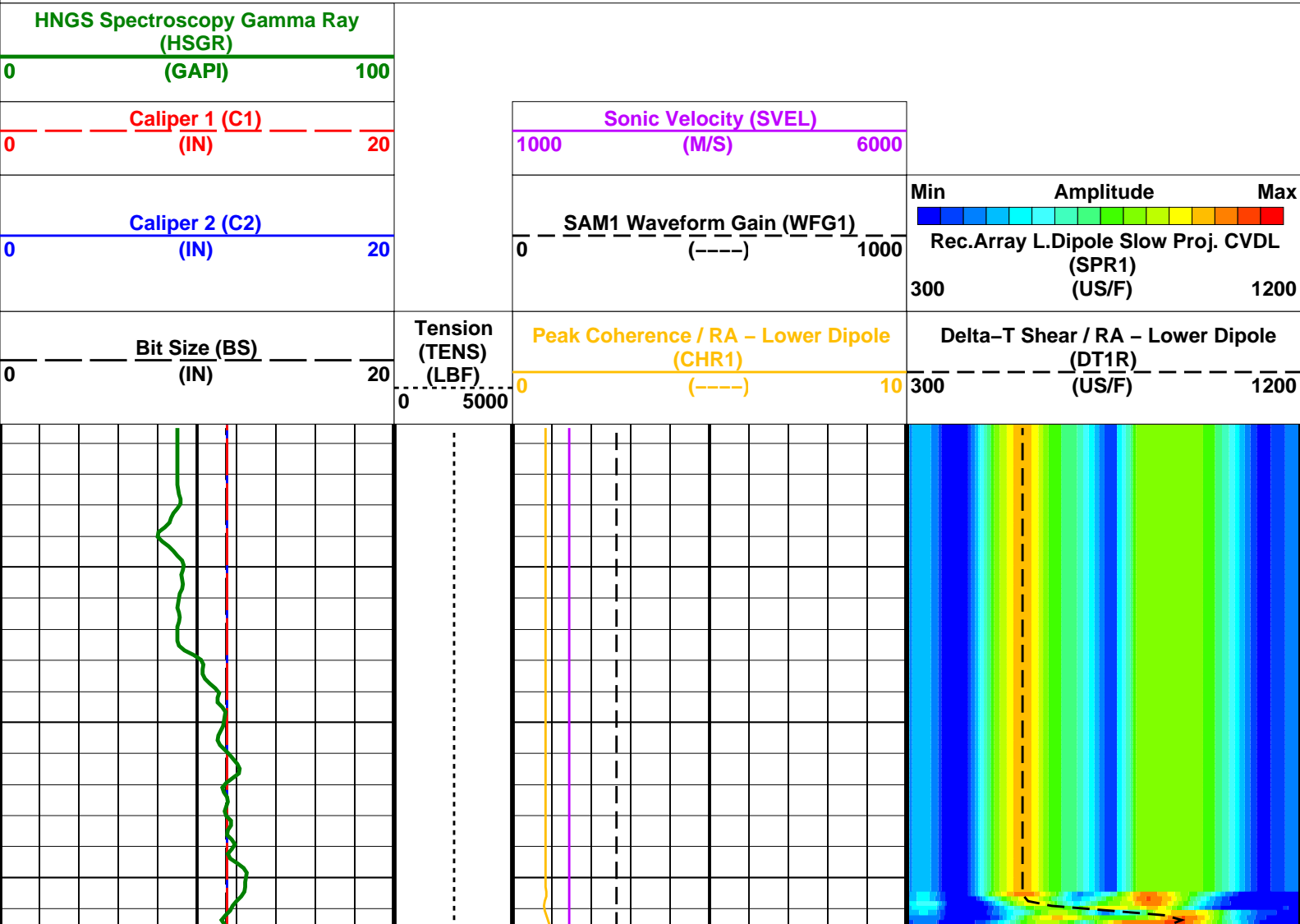
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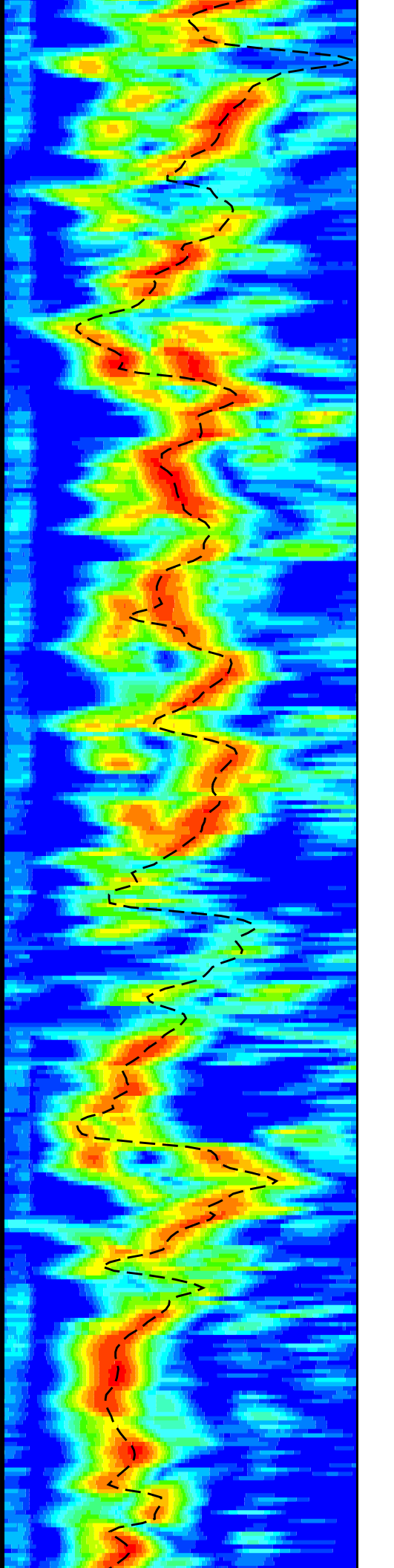
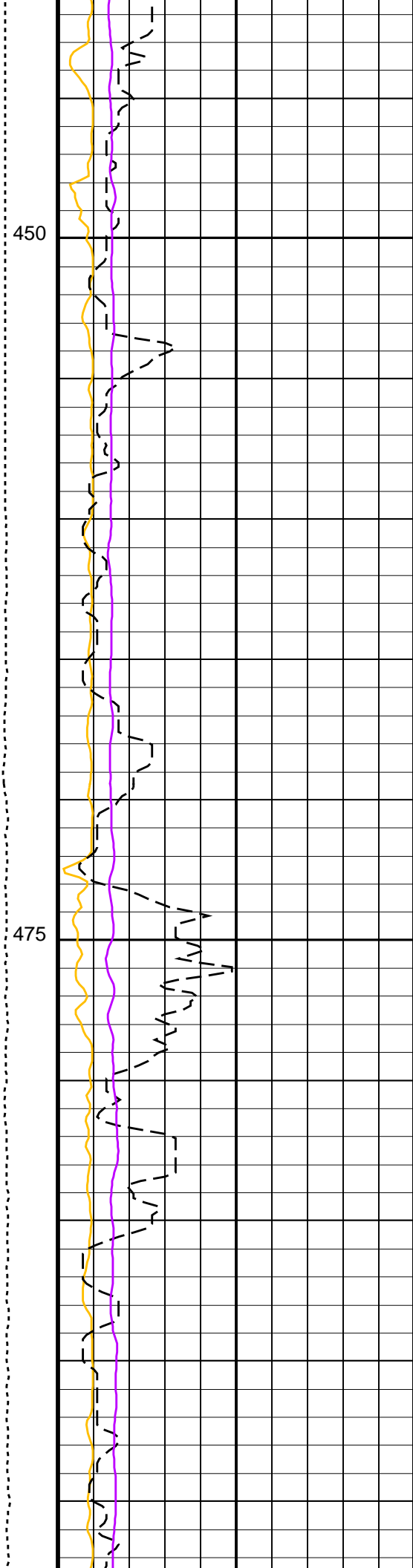
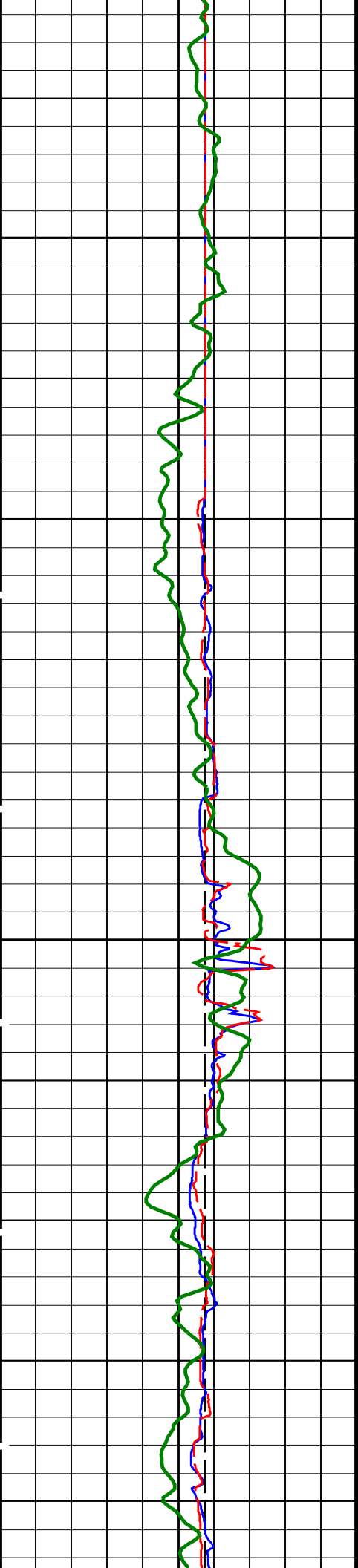
OP System Version: 19C0-187

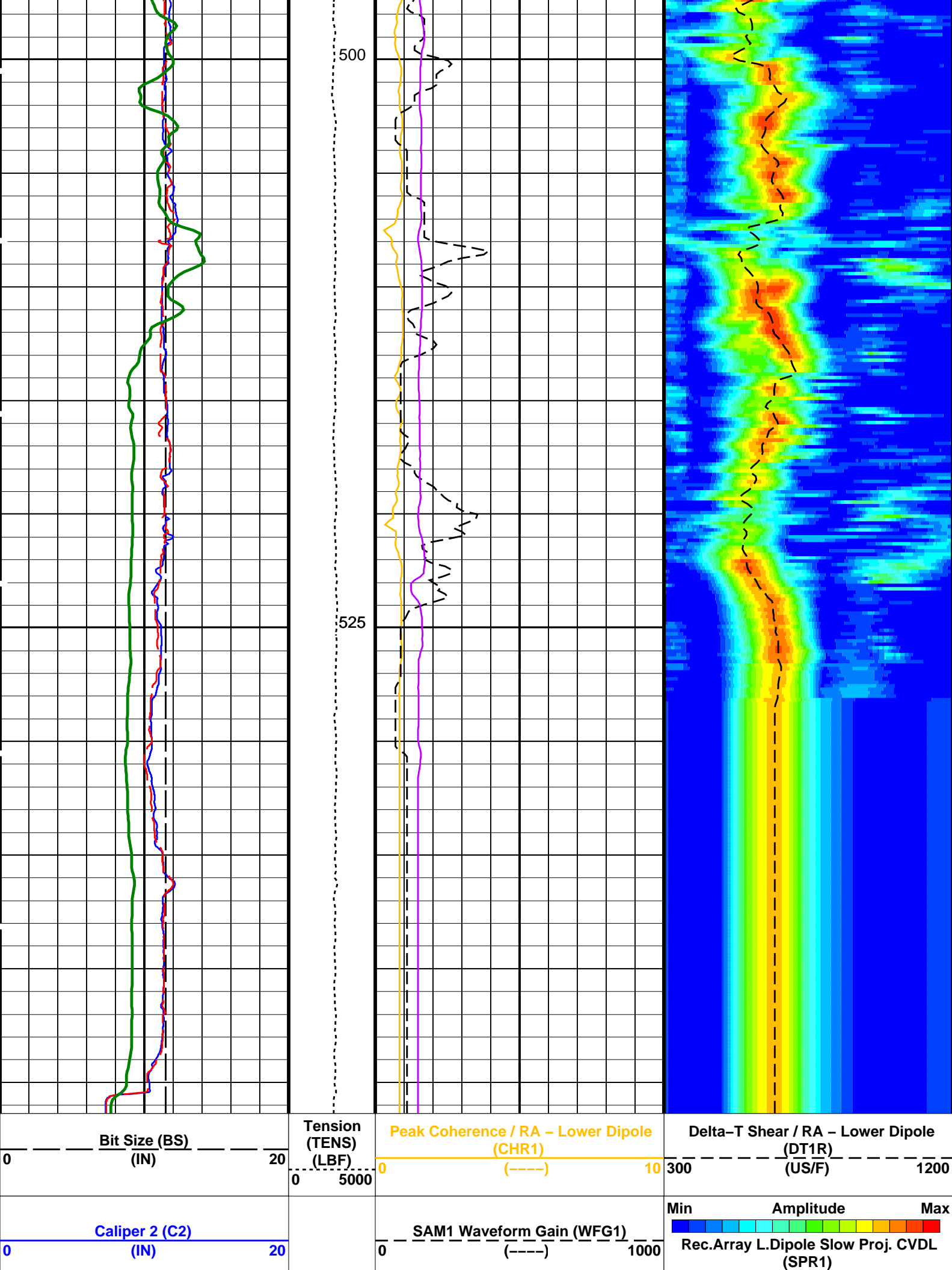
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

Time Mark Every 60 S







Caliper 1 (C1) (IN)		Sonic Velocity (SVEL) (M/S)		300	(US/F)	1200
0	20	1000	6000			
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	300	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	C1	
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	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	B1–3K	
SLL1	STC Slowness Lower Limit – Lower Dipole	300	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	1200	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	2450	US
TST1	STC Time Step – Lower Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
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	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	–0.0158577	
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	–999.25	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	–999.25	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	

TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01524	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.02206	
	EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	-338.9	M
PP	Playback Processing	RECOMPUTE	


Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR

Vertical Scale: 1:200

Graphics File Created: 09-Sep-2013 13:26

OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files			
DEFAULT	FMS_DSI_NGS_013LUP	FN:12	PRODUCER 08-Sep-2013 05:22 884.7 M 764.3 M
Output DLIS Files			
DEFAULT	FMS_DSI_NGS_035PUP	FN:41	PRODUCER 09-Sep-2013 13:26
CLIENT	FMS_DSI_NGS_035PUC	FN:42	CUSTOMER 09-Sep-2013 13:26



Main Pass

1:200 Scale

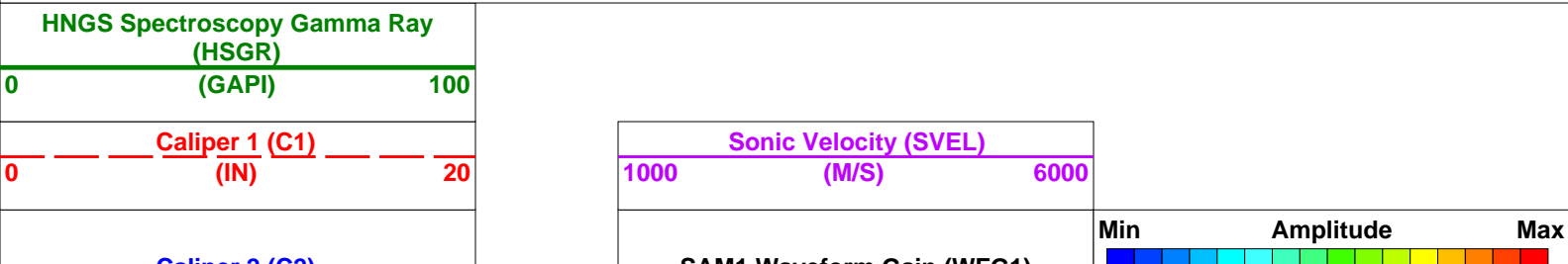
MAXIS Field Log

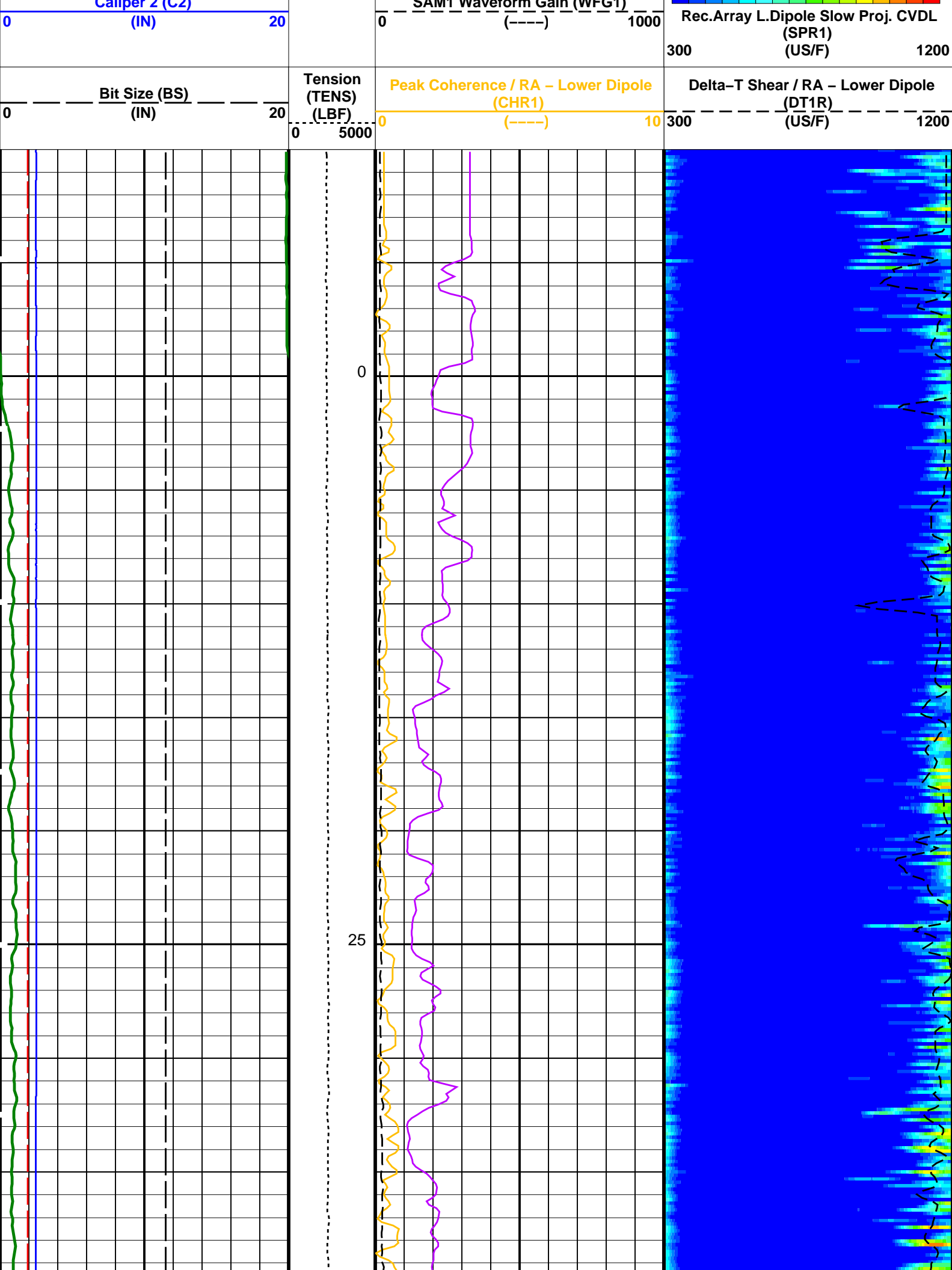
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Output DLIS Files			
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CLIENT	FMS_DSI_NGS_034PUC	FN:40	CUSTOMER 09-Sep-2013 13:23 546.4 M -10.1 M

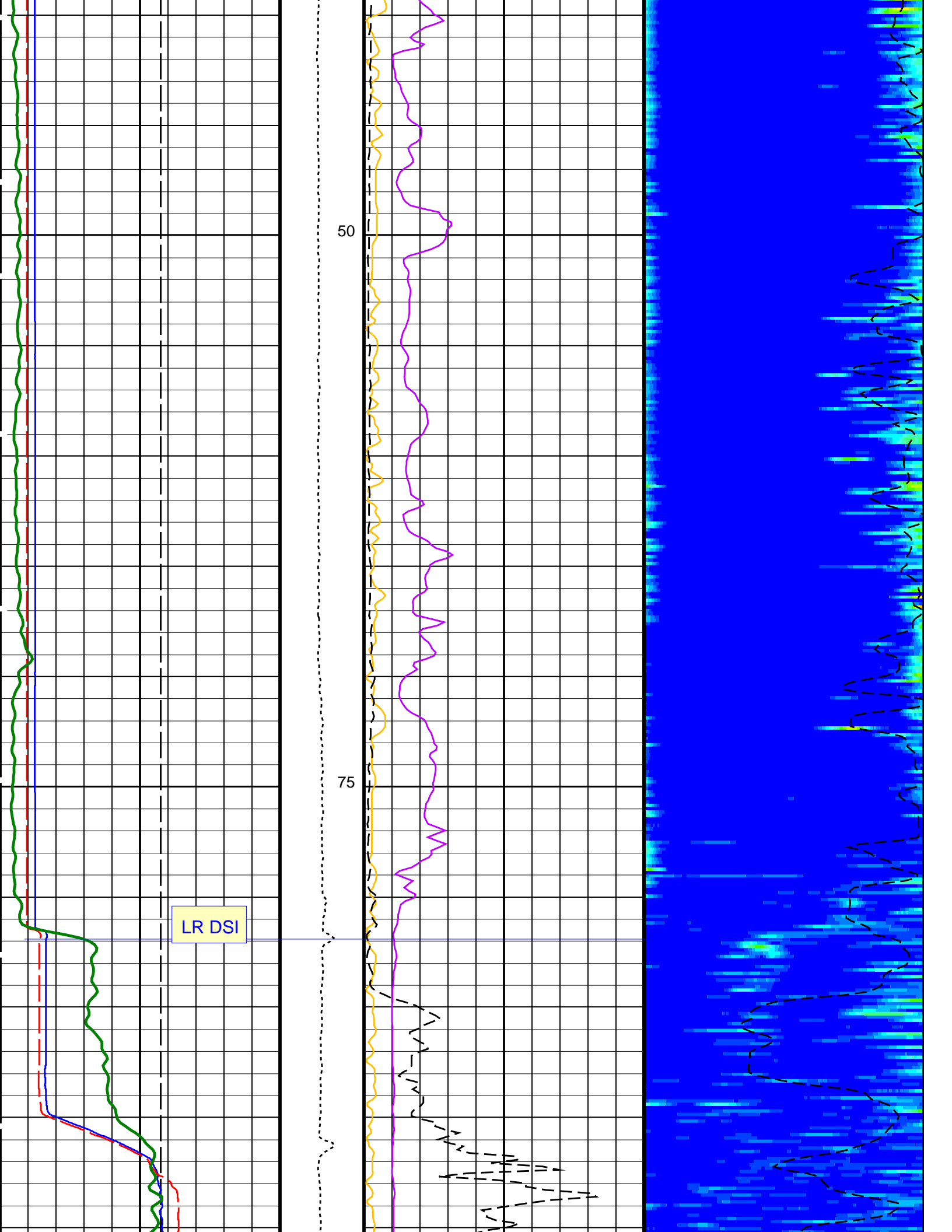
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MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

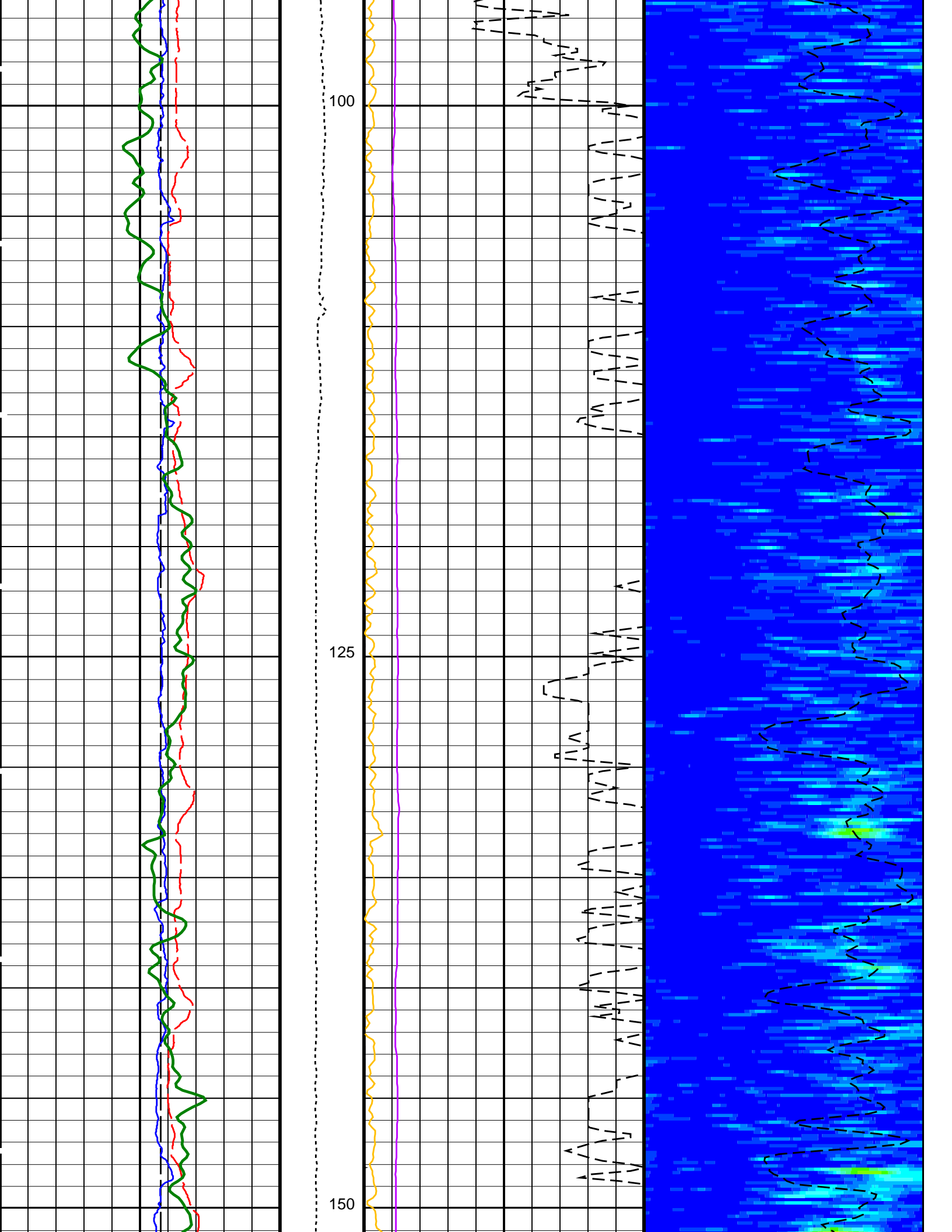
Time Mark Every 60 S

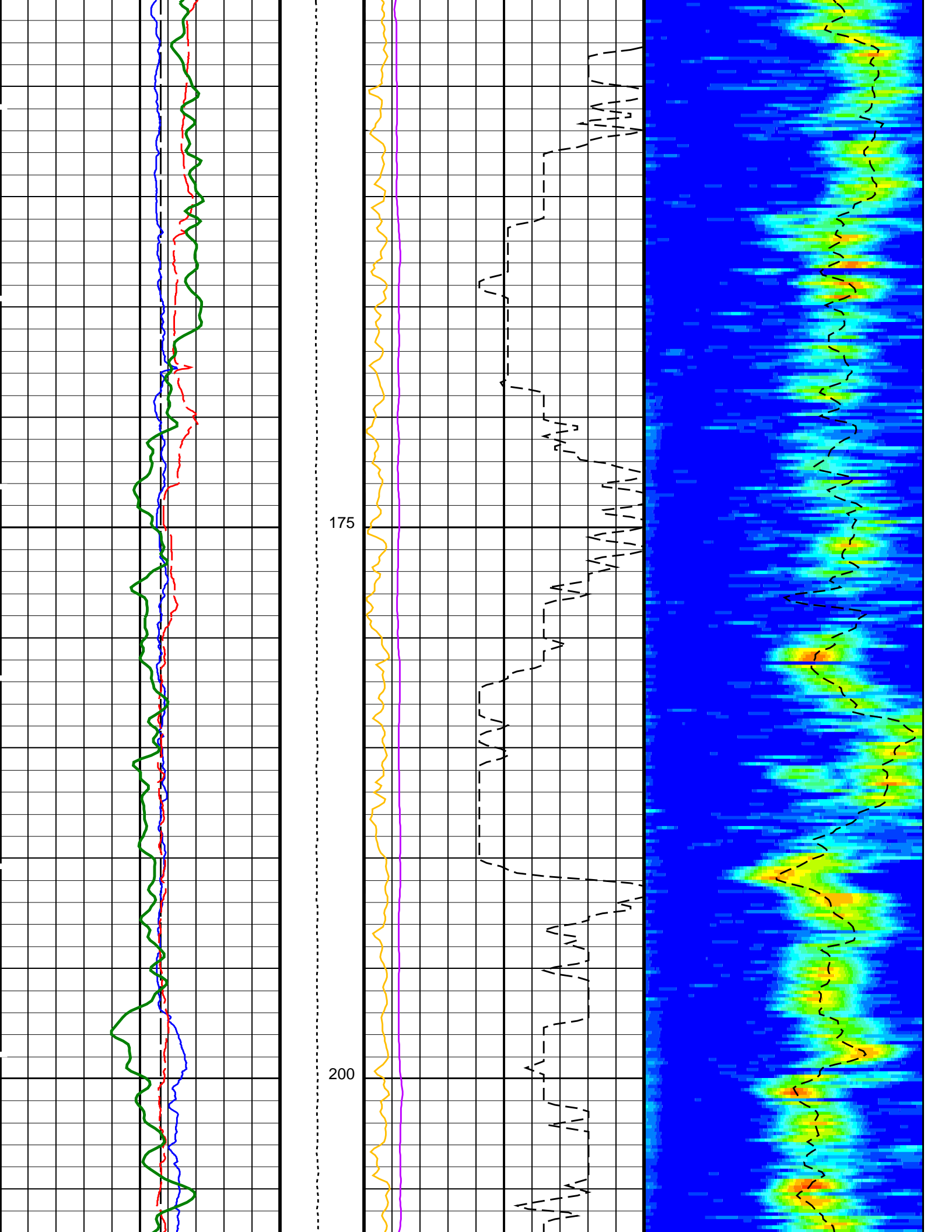


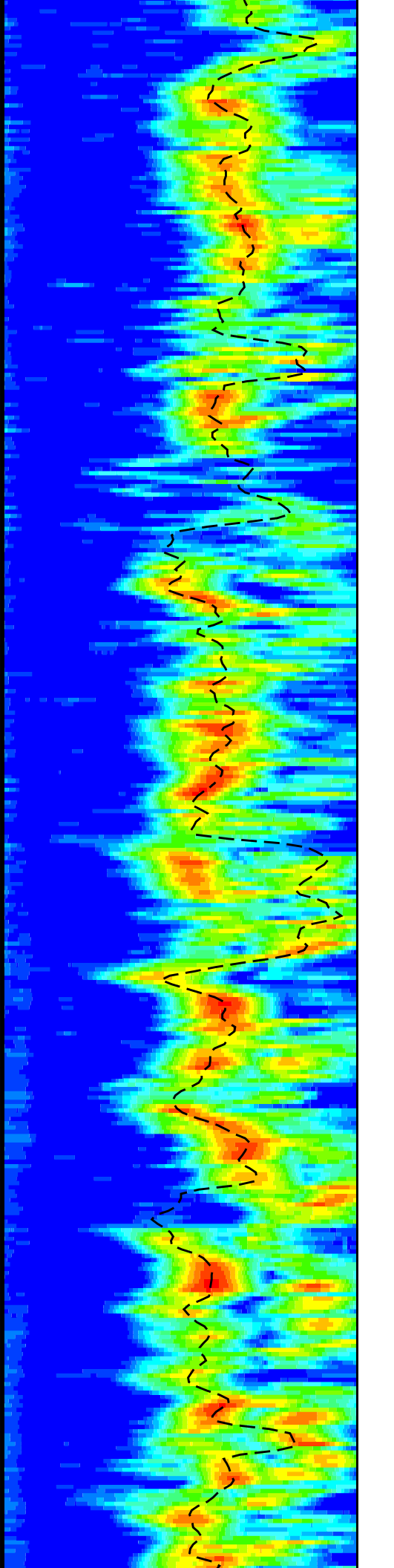
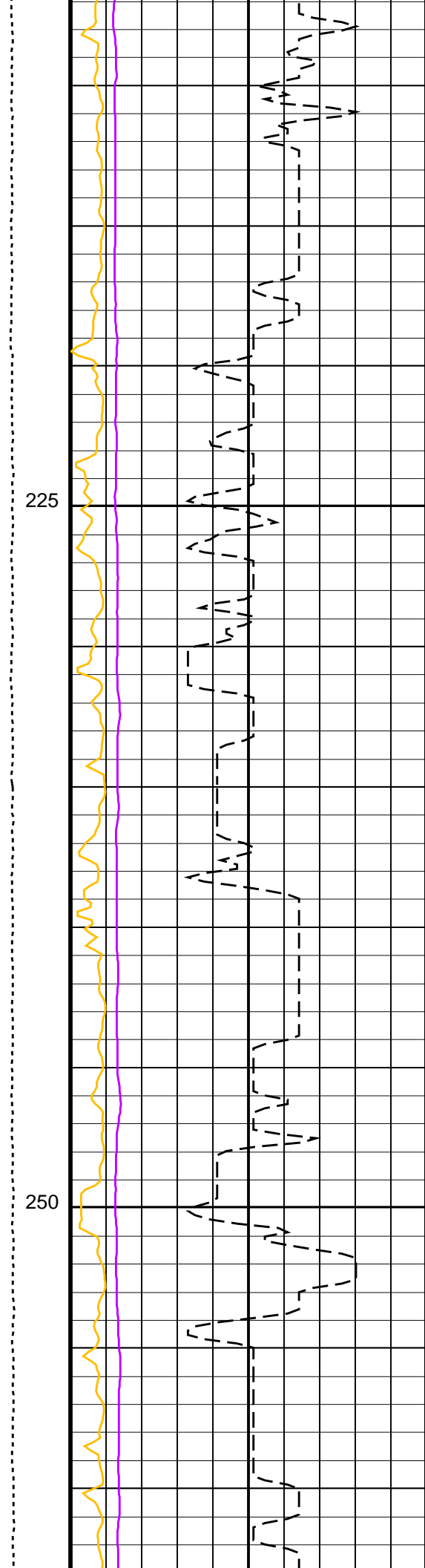
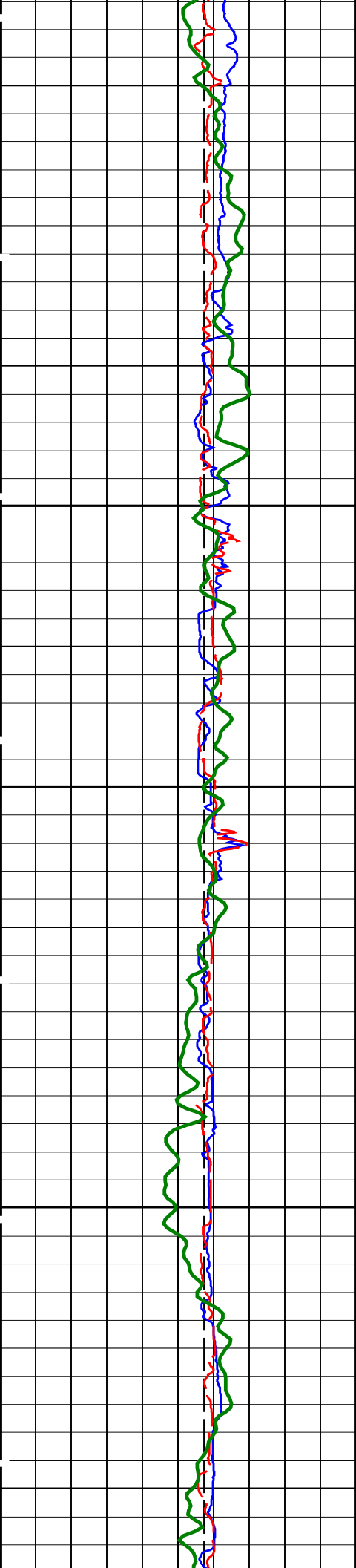


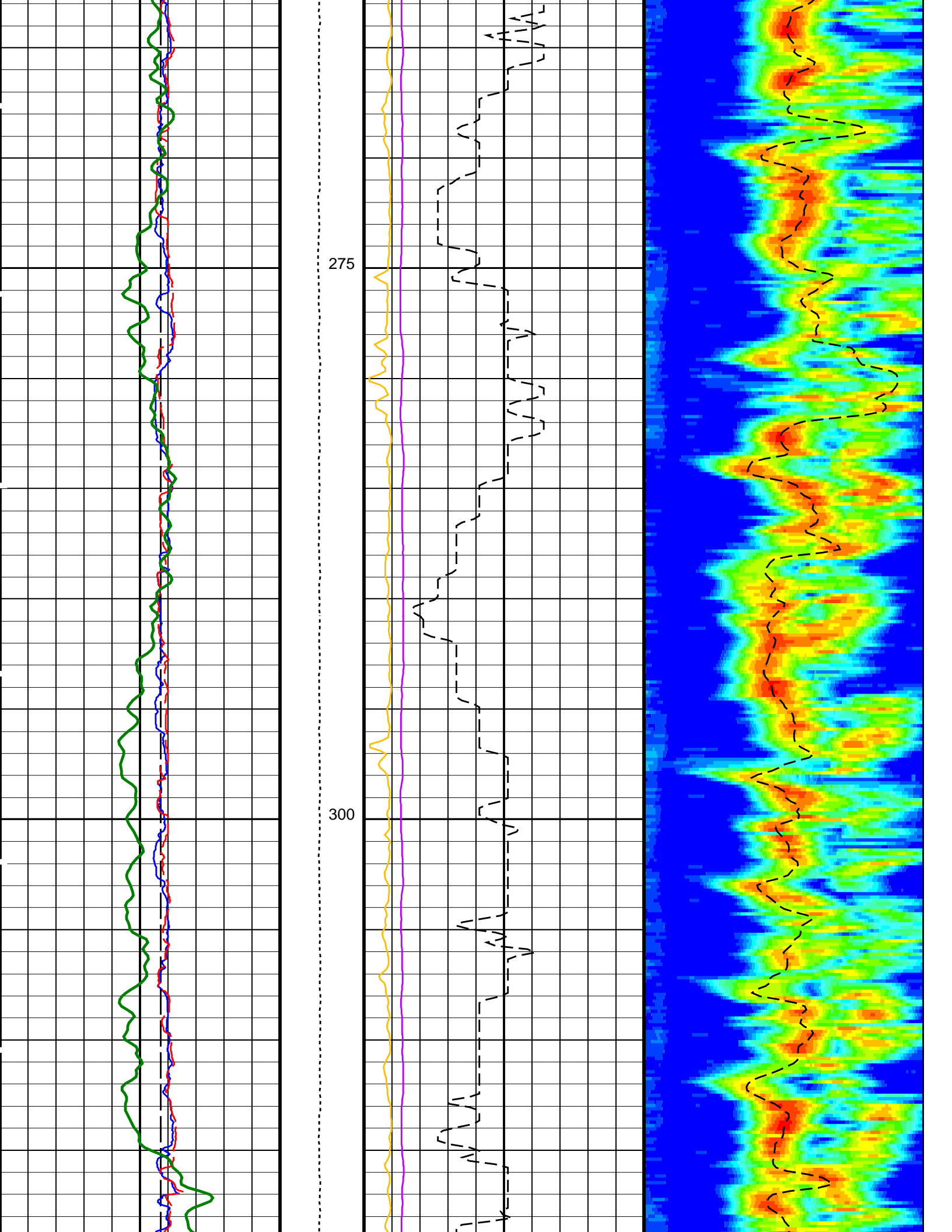


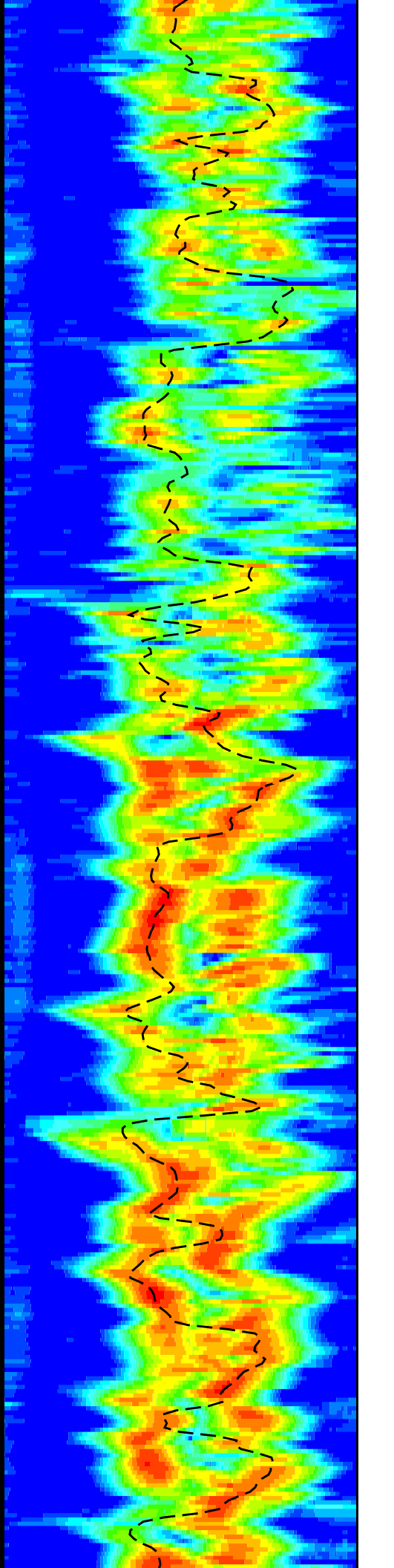
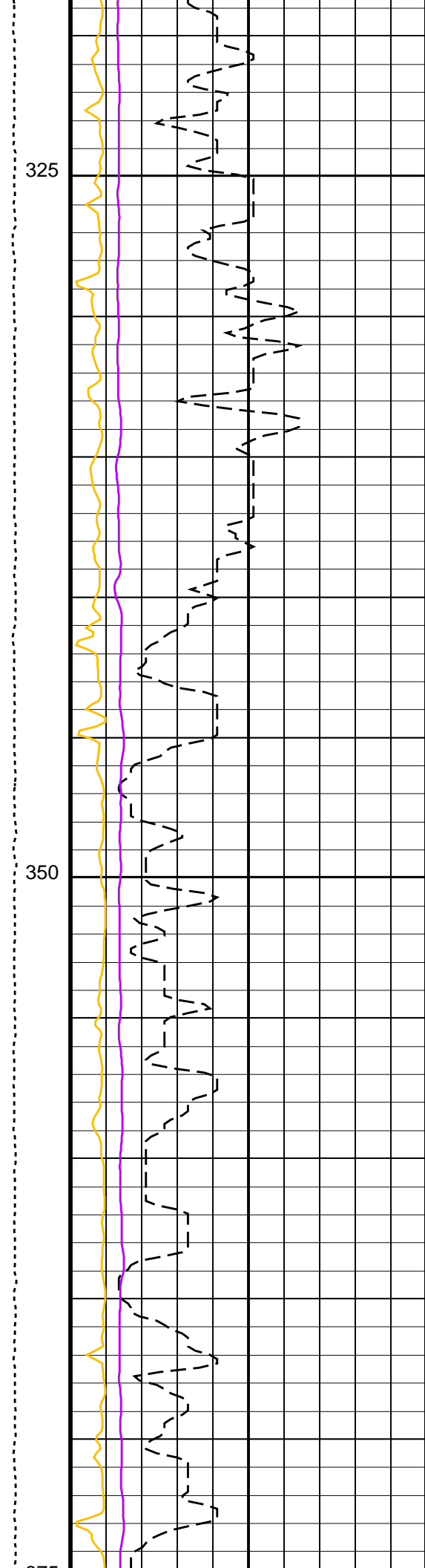
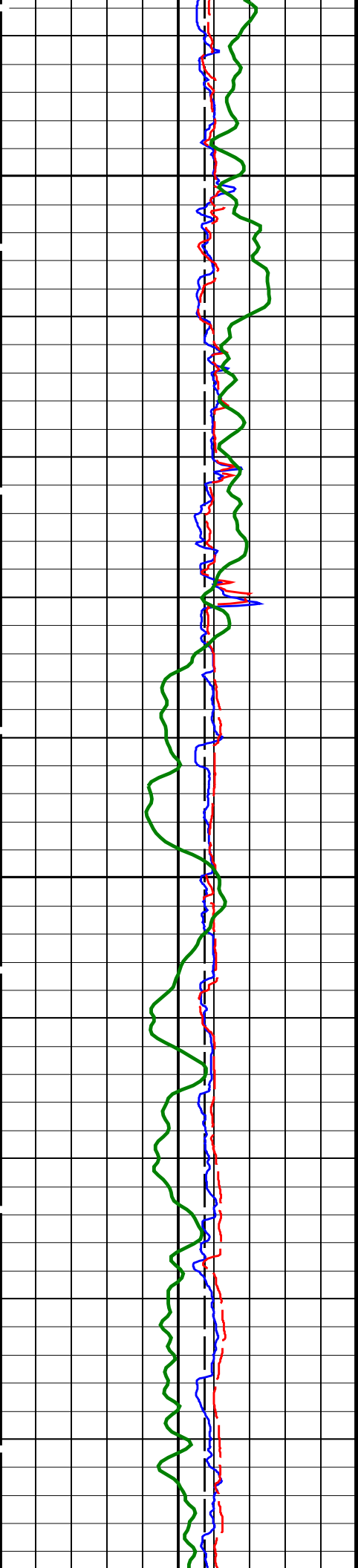


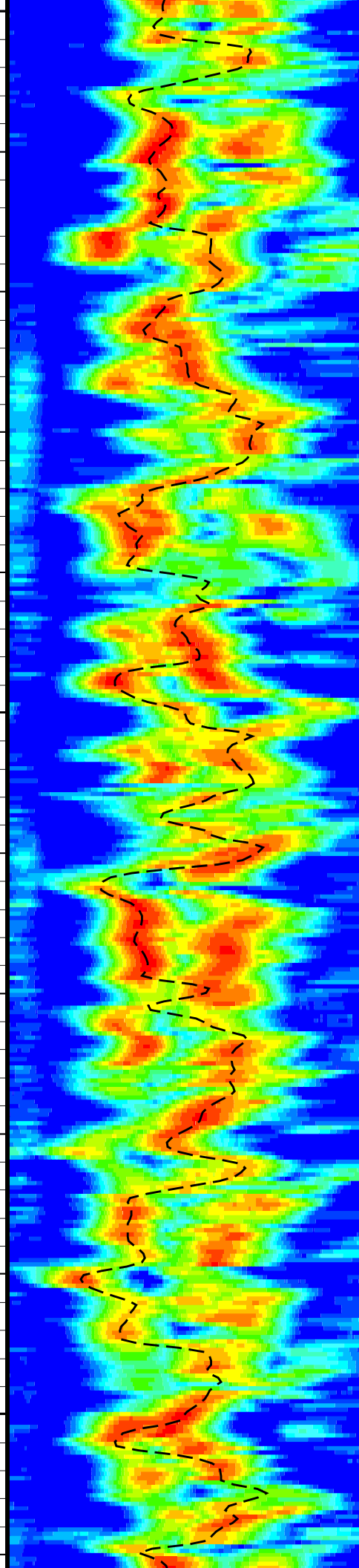
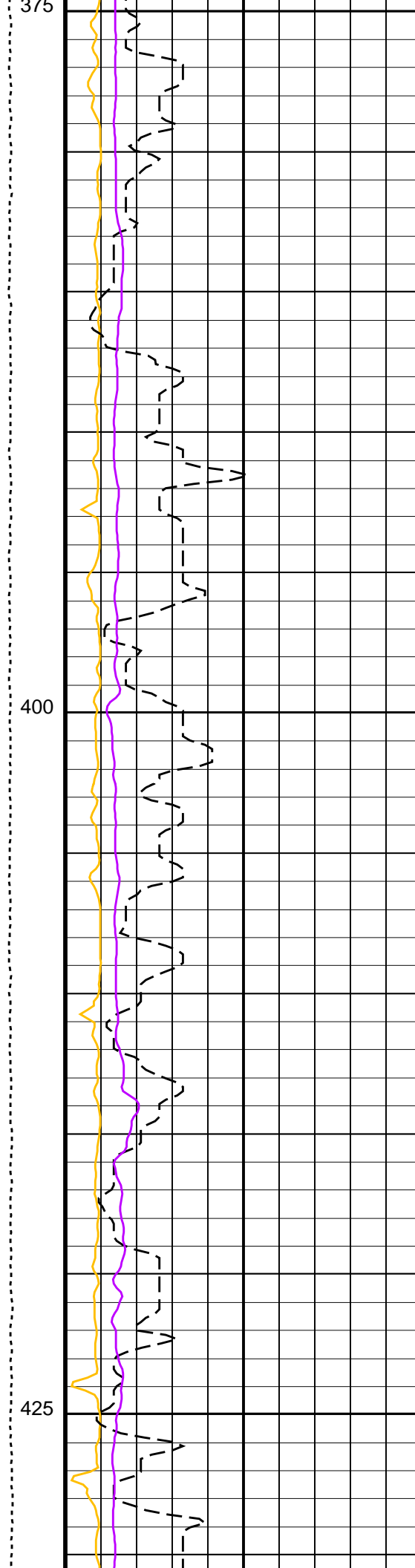
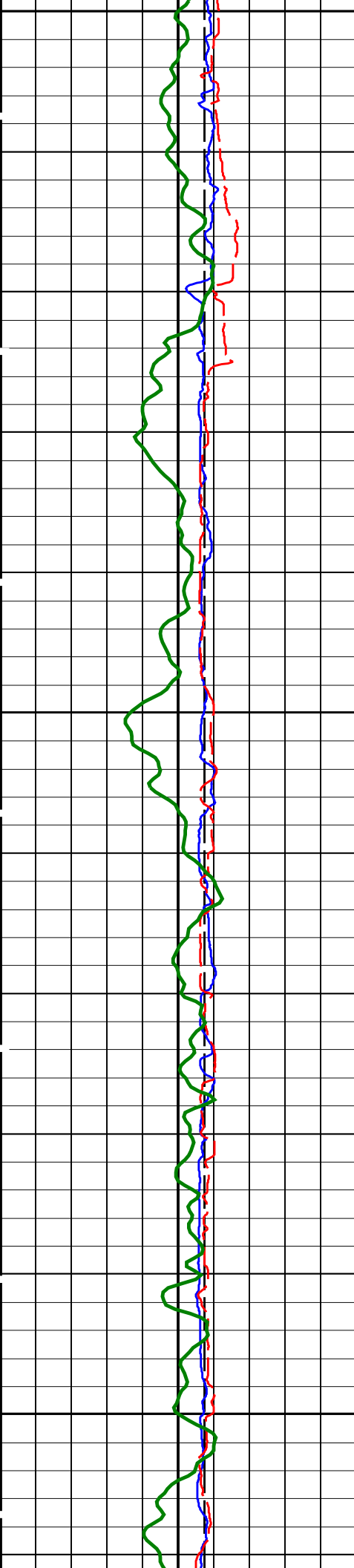


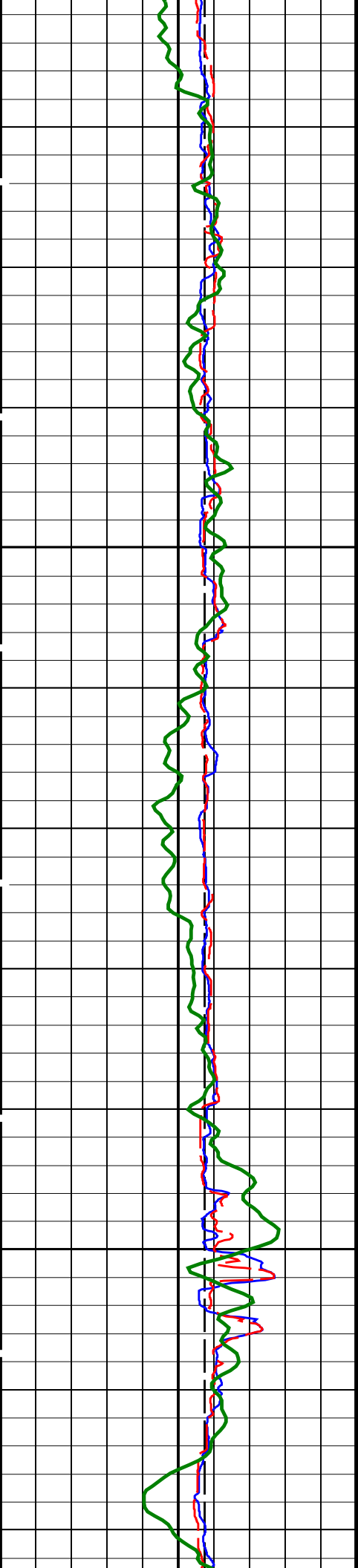






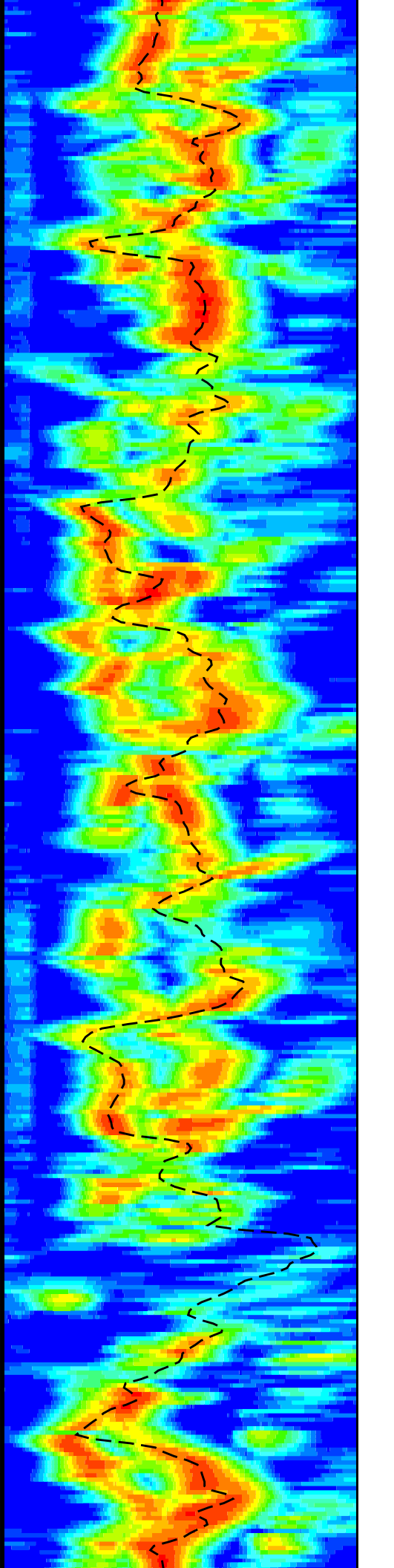
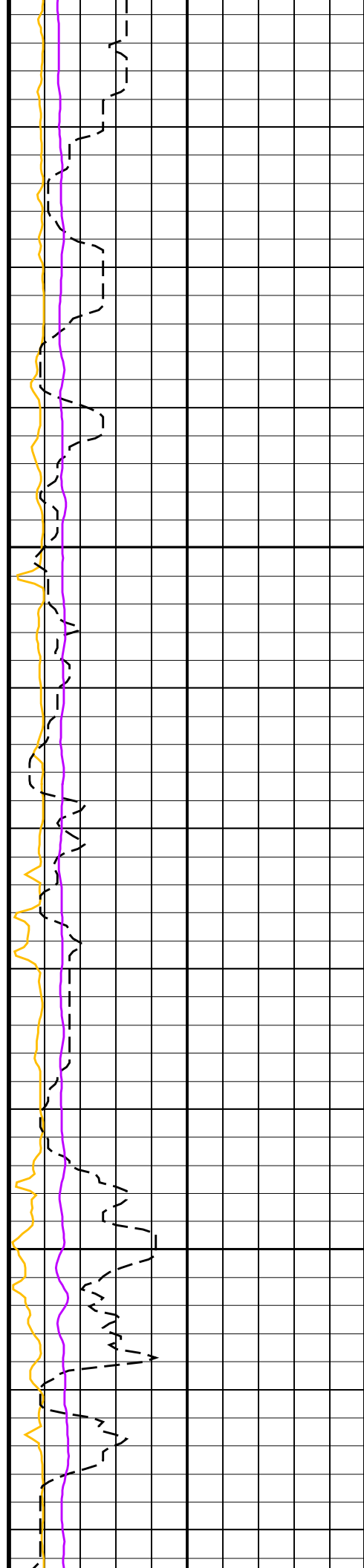


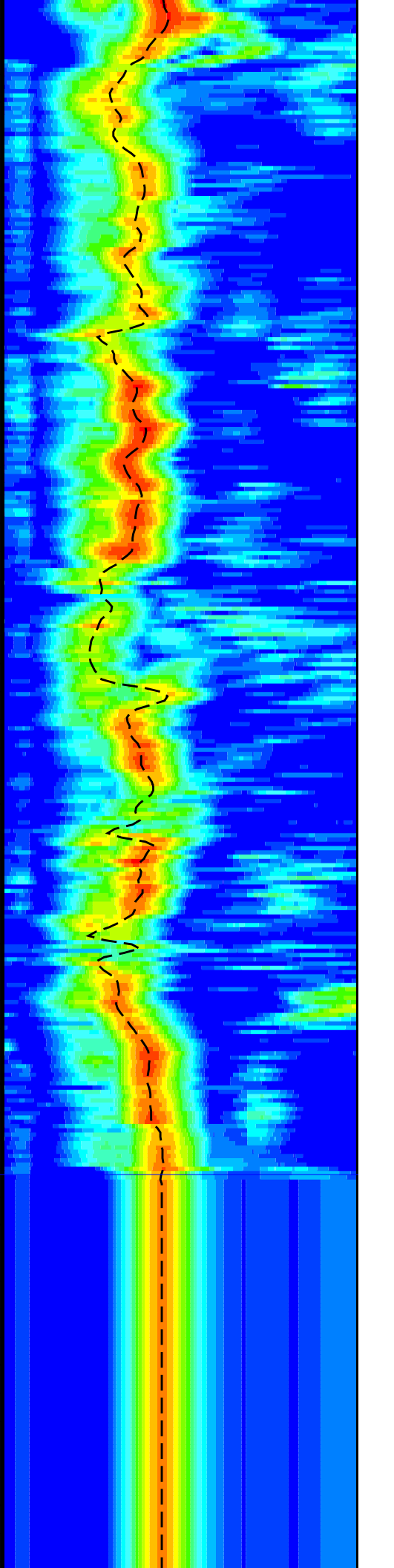
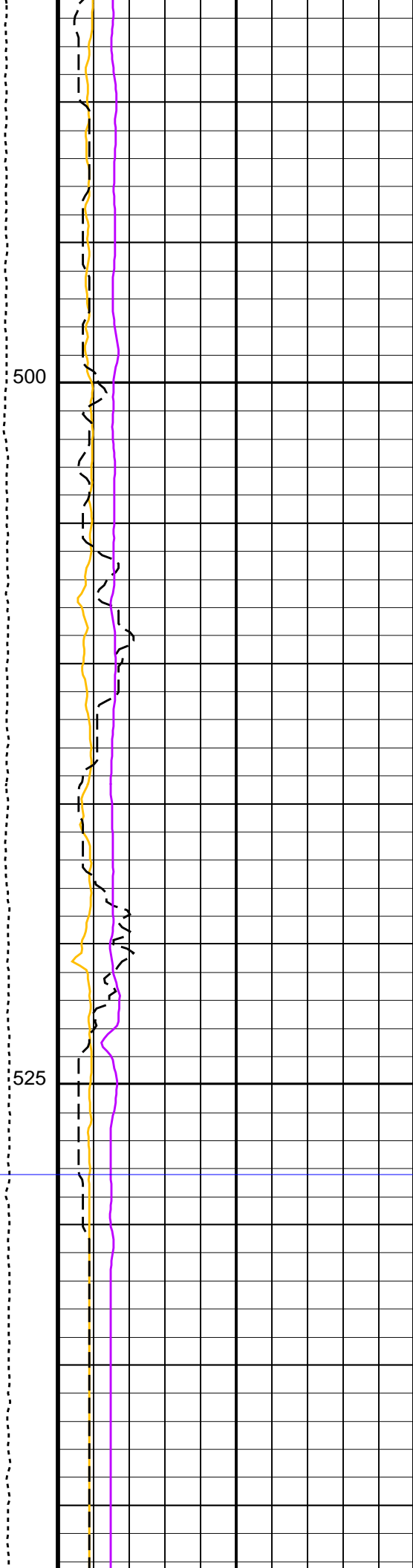
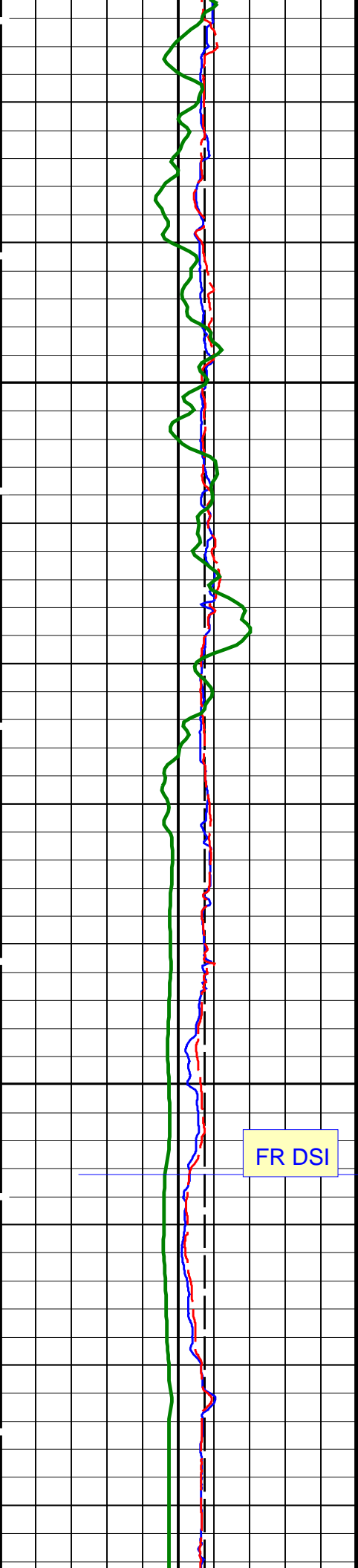




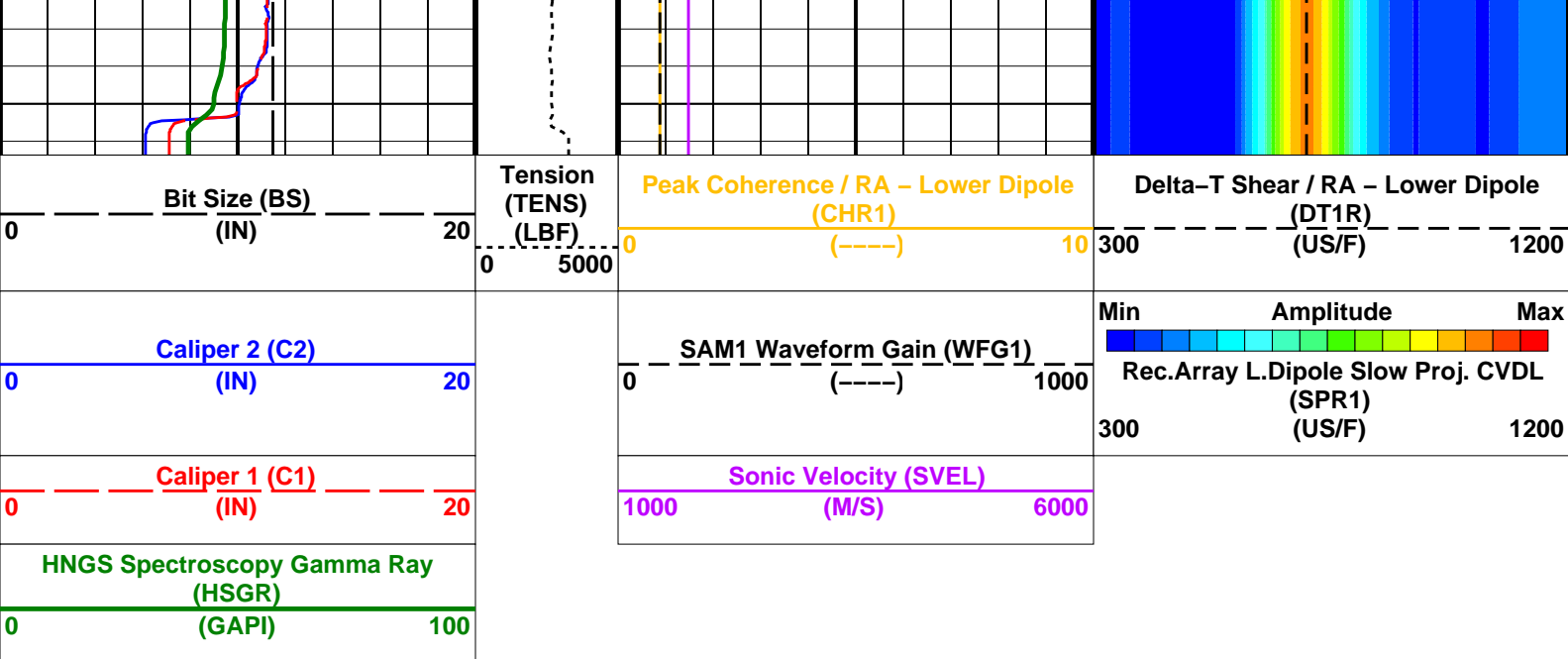
450

475









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	300	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta–T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	C1	
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	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	B1–3K	
SLL1	STC Slowness Lower Limit – Lower Dipole	300	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	1200	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TLL1	STC Time Lower Limit – Lower Dipole	2450	US
TST1	STC Time Step – Lower Dipole	200	US
TUL1	STC Time Upper Limit – Lower Dipole	20440	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
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	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.014383	
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	-999.25	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	-999.25	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.99861	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.00455	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	-338.9	M
PP	Playback Processing	RECOMPUTE	

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 09-Sep-2013 13:23

## OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

### Input DLIS Files

DEFAULT	FMS_DSI_NGS_014LUP	FN:13	PRODUCER	08-Sep-2013 05:44	884.7 M	292.3 M
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### Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:39	PRODUCER	09-Sep-2013 13:23
CLIENT	FMS_DSI_NGS_034PUC	FN:40	CUSTOMER	09-Sep-2013 13:23

**Schlumberger**

## Calibrations

MAXIS Field Log

### Calibration and Check Summary



















Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 29-Jul-2013 20:46    Before: 30-Aug-2013 3:43    After: 30-Aug-2013 9:52							
Na 511 Peak Loc	40.00	39.74	39.66	39.66	-0.001842	1.000	
Na 511 Peak Res	15.50	15.31	14.99	15.59	0.6071	2.000	%
High Voltage	1150	1168	1175	1177	1.875	N/A	V
Na 1785 Peak Loc	142.6	142.6	141.1	143.1	1.995	7.000	
Na 1785 Peak Res	8.500	9.002	8.739	8.350	-0.3891	2.000	%
Temperature	15.50	21.46	30.66	29.21	-1.452	N/A	DEGC
Na Count Rate	45.00	15.10	12.22	12.96	0.7358	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 29–Jul–2013 20:46 Before: 30–Aug–2013 3:43 After: 30–Aug–2013 9:52							
Na 511 Peak Loc	40.00	39.58	39.50	39.79	0.2864	1.000	
Na 511 Peak Res	15.50	16.04	16.51	15.30	–1.204	2.000	%
High Voltage	1150	1093	1109	1110	1.251	N/A	V
Na 1785 Peak Loc	142.6	141.7	143.1	142.4	–0.7710	7.000	
Na 1785 Peak Res	8.500	9.499	8.731	9.377	0.6464	2.000	%
Temperature	15.50	21.65	30.81	30.84	0.03577	N/A	DEGC
Na Count Rate	45.00	14.93	12.29	12.87	0.5788	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 29–Jul–2013 20:46 Before: 30–Aug–2013 3:43 After: 30–Aug–2013 9:52							
Coincidence Count Rate Ratio	1.000	1.015	0.9928	1.007	0.01398	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 30–Aug–2013 3:44							
EDTC Z–Axis Acceleration	9.810	N/A	9.794	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 30–Aug–2013 3:38							
Gamma Ray (Jig – Bkg)	204.1	N/A	204.1	N/A	N/A	18.55	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI






















Litho–Density Spectroscopy Cartridge – B / Equipment Identification		
Primary Equipment:		
LDSC Cartridge	LDSC – B	326
Auxiliary Equipment:		
LDSC Housing	LDSH – A	303




Hostile Natural Gamma Ray Cartridge – B / Equipment Identification		
Primary Equipment:		
HNGC Cartridge	HNGC – B	300
Auxiliary Equipment:		
HNGC Housing	HNGH – A	115

Hostile Natural Gamma Ray Sonde / Equipment Identification		
Primary Equipment:		
HNGS Sonde	HNGS – BA	194
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH – BA	205
Gamma Source Radioactive	GSR – U	616008


Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 1 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.74	Master		15.31	Master		1168
Before		39.66	Before		14.99	Before		1175
After		39.66	After		15.59	After		1177
	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		9.002	Master		21.46
Before		141.1	Before		8.739	Before		30.66
After		143.1	After		8.350	After		29.21
	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		15.10
Before		12.22
After		12.96
10.00 (Minimum)      45.00 (Nominal)      100.0 (Maximum)		
Master: 29-Jul-2013 20:46      Before: 30-Aug-2013 3:43      After: 30-Aug-2013 9:52		

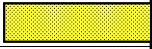


Hostile Natural Gamma Ray Sonde Wellsite Calibration																			
Detector 2 Check																			
Phase	Na 511 Peak Loc		Value	Phase	Na 511 Peak Res %		Value	Phase	High Voltage V		Value								
Master			39.58	Master			16.04	Master			1093								
Before			39.50	Before			16.51	Before			1109								
After			39.79	After			15.30	After			1110								
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			141.7	Master			9.499	Master			21.65								
Before			143.1	Before			8.731	Before			30.81								
After			142.4	After			9.377	After			30.84								
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			14.93																
Before			12.29																
After			12.87																
10.00 (Minimum)			45.00 (Nominal)									100.0 (Maximum)							
Master: 29-Jul-2013 20:46												Before: 30-Aug-2013 3:43				After: 30-Aug-2013 9:52			

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		1.015
Before		0.9928
After		1.007
0.9500 (Minimum)      1.000 (Nominal)      1.050 (Maximum)		
Master: 29-Jul-2013 20:46		
Before: 30-Aug-2013 3:43		
After: 30-Aug-2013 9:52		

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

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.794
9.610 (Minimum)      9.810 (Nominal)      10.01 (Maximum)		
Before: 30-Aug-2013 3:44		

Enhanced DTS Cartridge Wellsite Calibration		
Detector Calibration		

Phase	Gamma Ray Background	GAPI	Value	Phase	Gamma Ray (Jig – Bkg)	GAPI	Value	Phase	Gamma Ray (Calibrated)	GAPI	Value
Before			1.864	Before			204.1	Before			165.0
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		185.5 (Minimum)	204.1 (Nominal)	222.7 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)
Before: 30–Aug–2013 3:38											

Company:	Lamont Doherty Earth Observatory	Schlumberger
Well:	Expedition 346, Site U1427A	
Field:	Asian Monsoon	
Rig:	JOIDES Resolution	
Country:	USA	
	DSI Sonic Lower Dipole	