

Well: **Expedition 402, Site U1617B**  
Field: **Tyrrhenian Continent–Ocean Transition**  
Rig: **JOIDES Resolution** Country: **Italy**

Rig:	JOIDES Resolution	Dipole Shear–Sonic Imager (DSI)			
Field:	Tyrrhenian Continent–Ocean Transect				
Location:	Latitude: N 40° 00.0317'	LOCATION	Latitude: N 40° 00.0317'		Elev.: K.B. 0.00 m
Well:	Expedition 402, Site U1617B		Longitude: E 13° 24.4662'		G.L. –3833.60 m
Company:	International Ocean Discovery Program				D.F. 0.00 m
			Permanent Datum:	Sea Floor	Elev.: –3833.60 m
			Log Measured From:	Rig Floor	3833.60 m above Perm. Datum
			Drilling Measured From:	Rig Floor	
		Ocean:	Max. Well Deviation	Longitude	Latitude
		Mediterranean	5 deg	E 13.40777*	N 40.00053*

Logging Date			30-Mar-2024					
Run Number			2					
Depth Driller			3204 m					
Schlumberger Depth			3158 m					
Bottom Log Interval			3158 m					
Top Log Interval			2833.6 m					
Casing Driller Size @ Depth			5.500 in @ 3111.6 m			@		
Casing Schlumberger			3111.6 m					
Bit Size			9.875 in					
Type Fluid In Hole			Sea Water					
MUD	Density	Viscosity	1.023 g/cm3					
	Fluid Loss	PH		8.07				
	Source Of Sample		Mudpit					
	RM @ Measured Temperature		0.220 ohm.m @ 23 degC		@			
RMF @ Measured Temperature				@	@			
RMC @ Measured Temperature				@	@			
Source RMF	RMC	N/A	N/A					
RM @ MRT	RMF @ MRT	0.369 @ 5	@ 5	@	@			
Maximum Recorded Temperatures			5 degC					
Circulation Stopped		Time	30-Mar-2024 11:00					
Logger On Bottom		Time	30-Mar-2024 11:15					
Unit Number		Location	627314 Larose, LA					
Recorded By			C. Furman					
Witnessed By			K. Grigar					

[illegible]

Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth		@	
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
MUD	Density	Viscosity	
	Fluid Loss	PH	
	Source Of Sample		
	RM @ Measured Temperature		@
RMF @ Measured Temperature		@	
RMC @ Measured Temperature		@	
Source RMF	RMC		
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped		Time	
Logger On Bottom		Time	
Unit Number	Location		
Recorded By			
Witnessed By			

Run 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: HNGS  
OS2: HRLA  
OS3: MSS

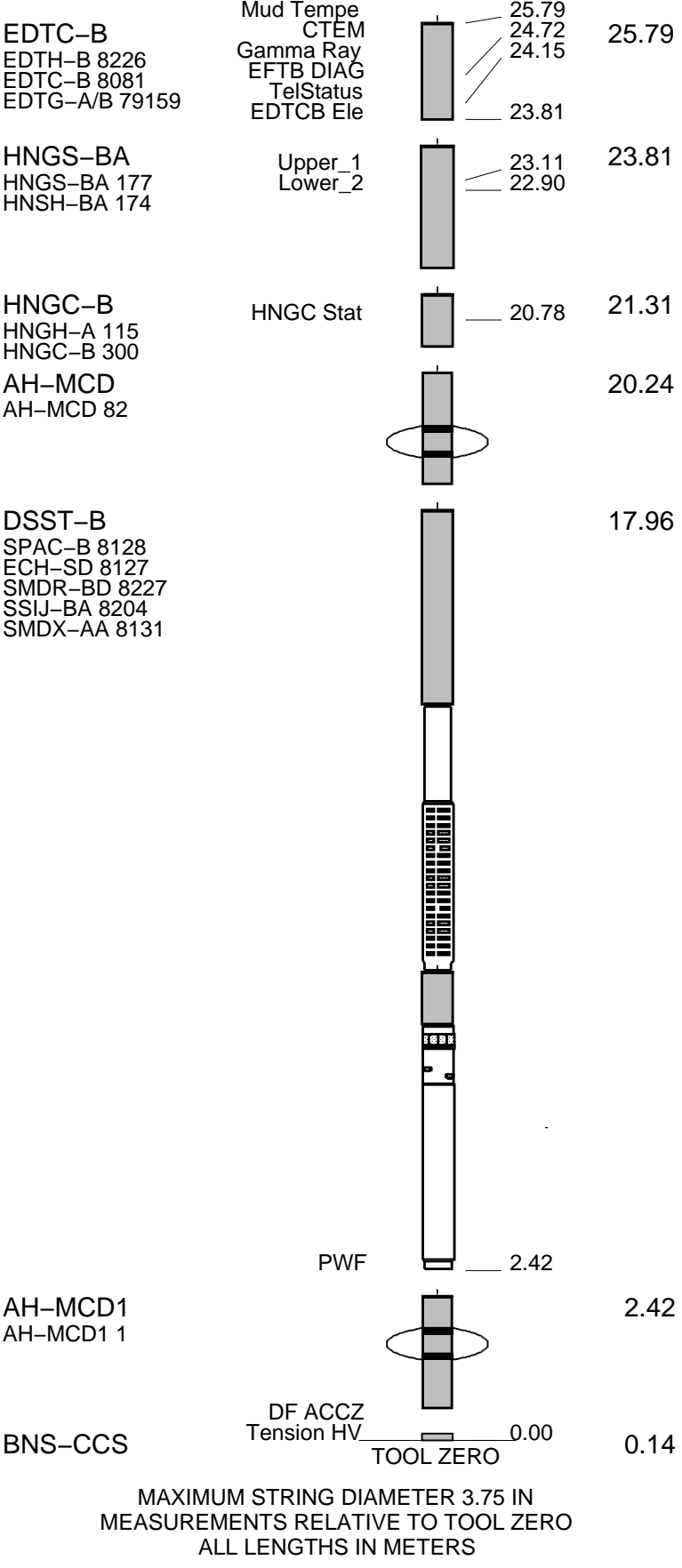
Drill pipe set at 3111.6 mbsf (278 mbsf)
No Casing present.
Fluid type was seawater, as drilled.
Depth recorded from drill floor; logs presented as—logged without depth corrections or shifts, as per client instructions.
All logs presented in wireline measured depth below rig floor (MDBRF).
Caliper not present in string.
Heave Compensator not used due to insufficient interval between pipe and the ledge.

HRLA, HNGS, and MSS were run again in the lower part of the hole after moving the pipe down past the ledge at 3158mbrf (Run 3).

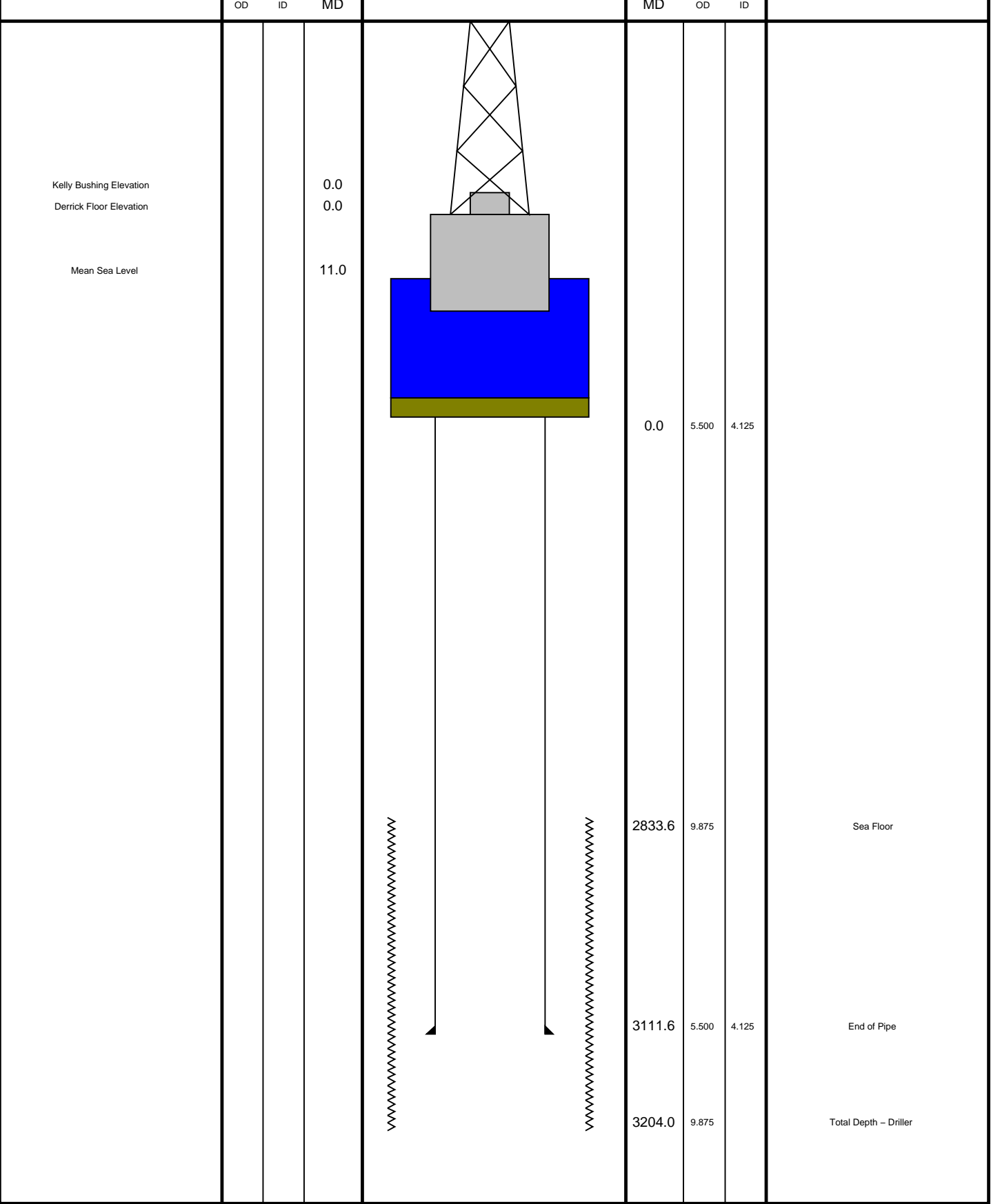
SERVICE ORDER #:  
PROGRAM VERSION:  
FLUID LEVEL:

## RUN 2

AH-369	MDSB_EDTC		26.23
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Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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Schlumberger

Downlog  
1:200 Scale

MAXIS Field Log

Input DLIS Files

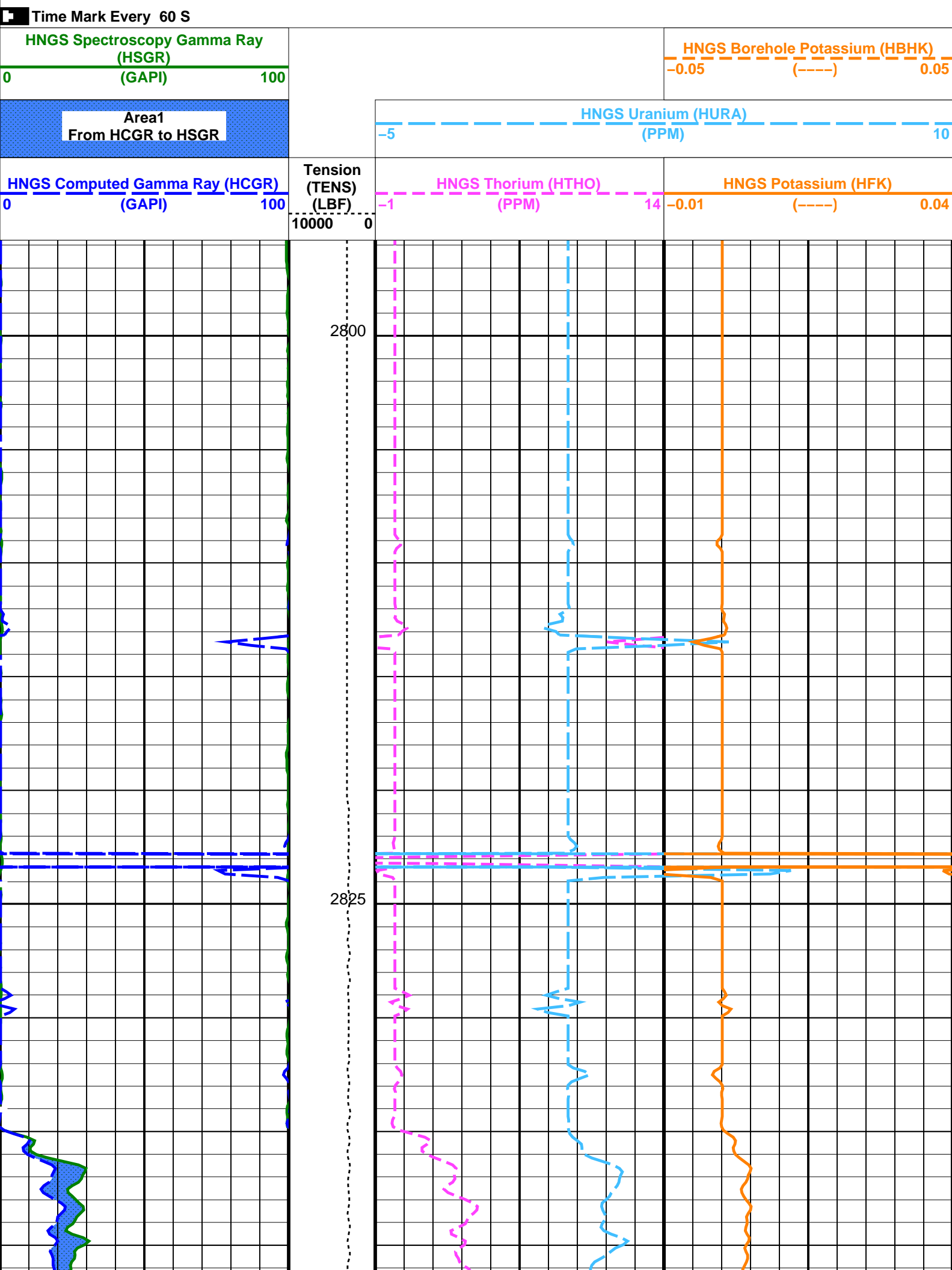
DEFAULT	Flip_DSI_NGS_024LUP	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M
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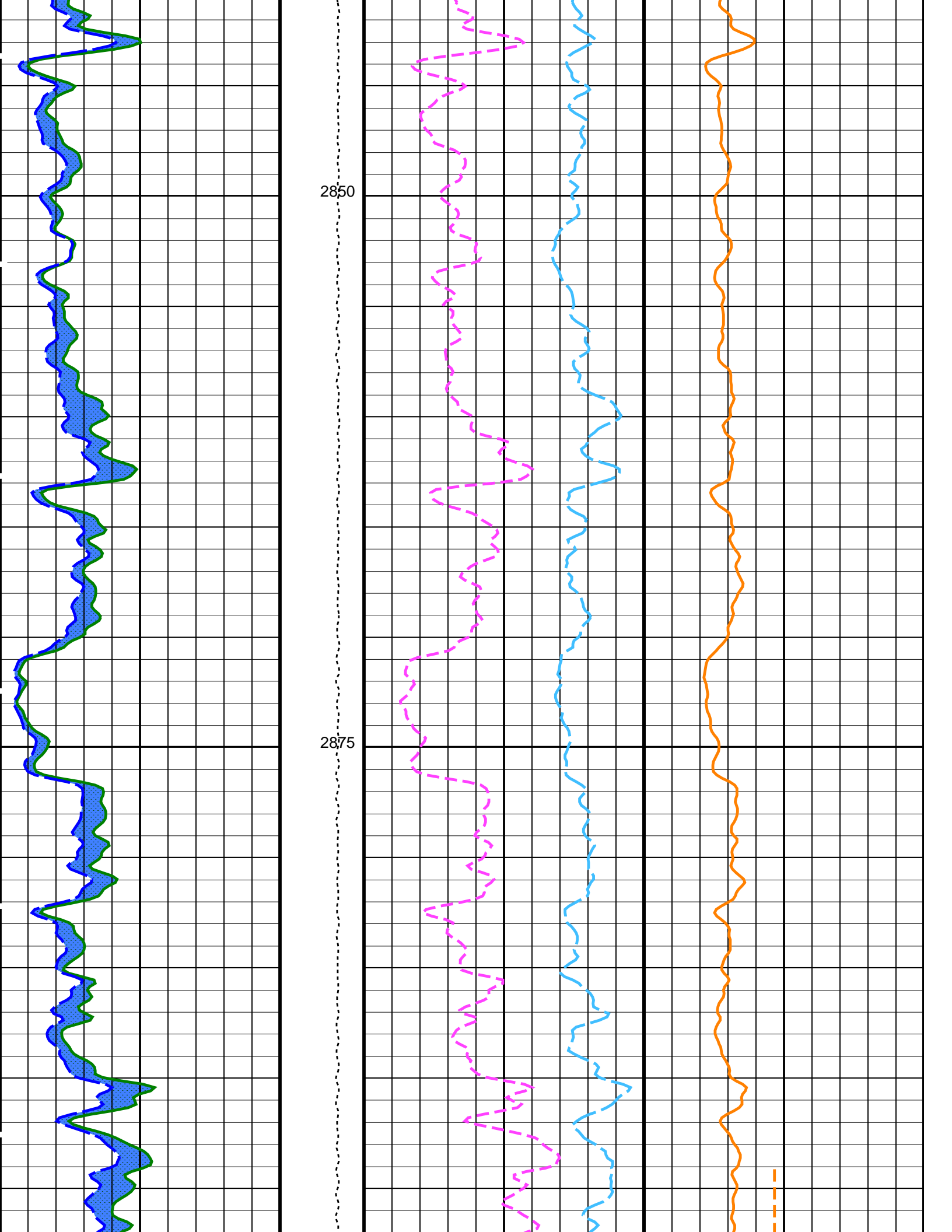
Output DLIS Files

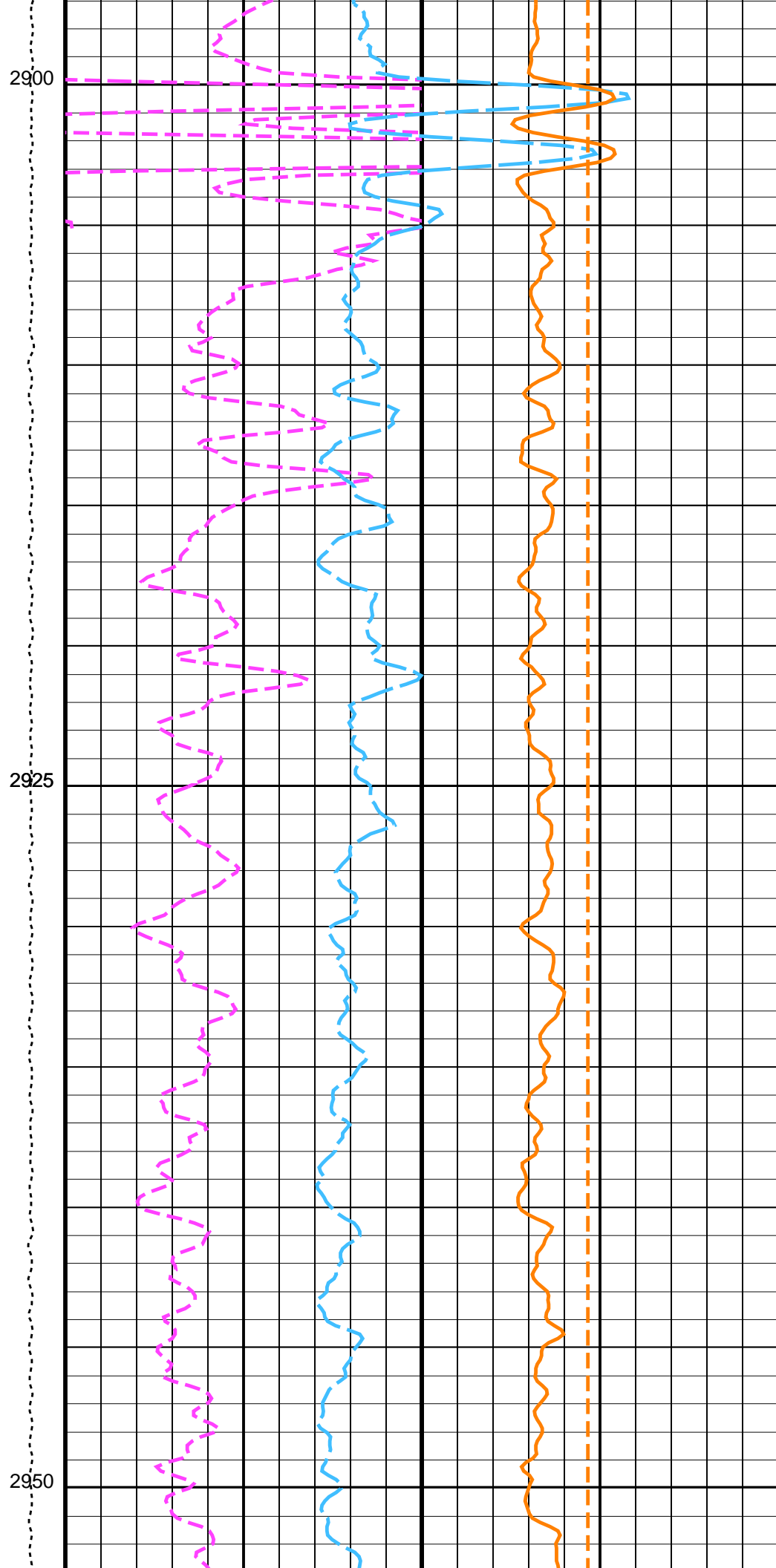
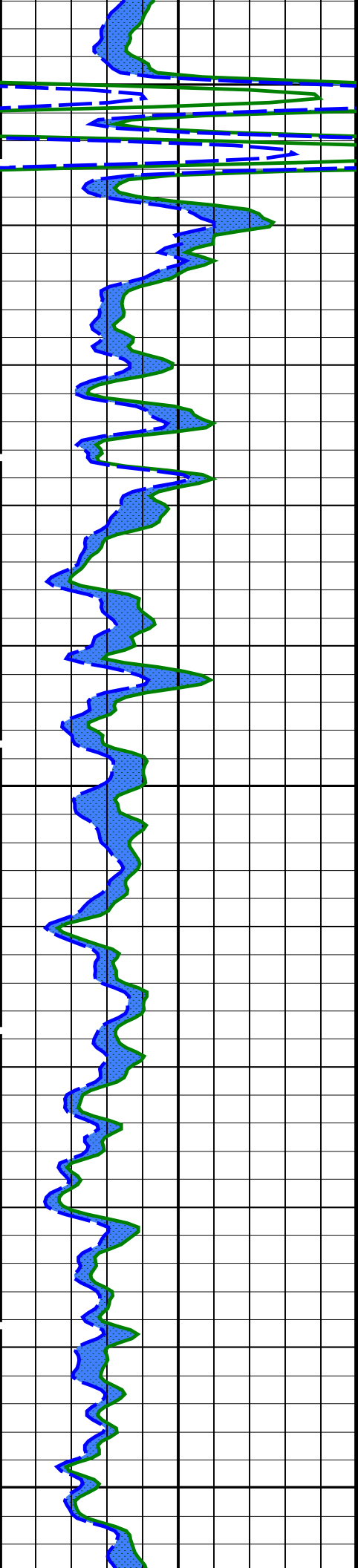
DEFAULT	DSI_NGS_025PUP	FN:22	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M
RTB	DSI_NGS_025PUP	FN:23	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M

OP System Version: 19C0-187

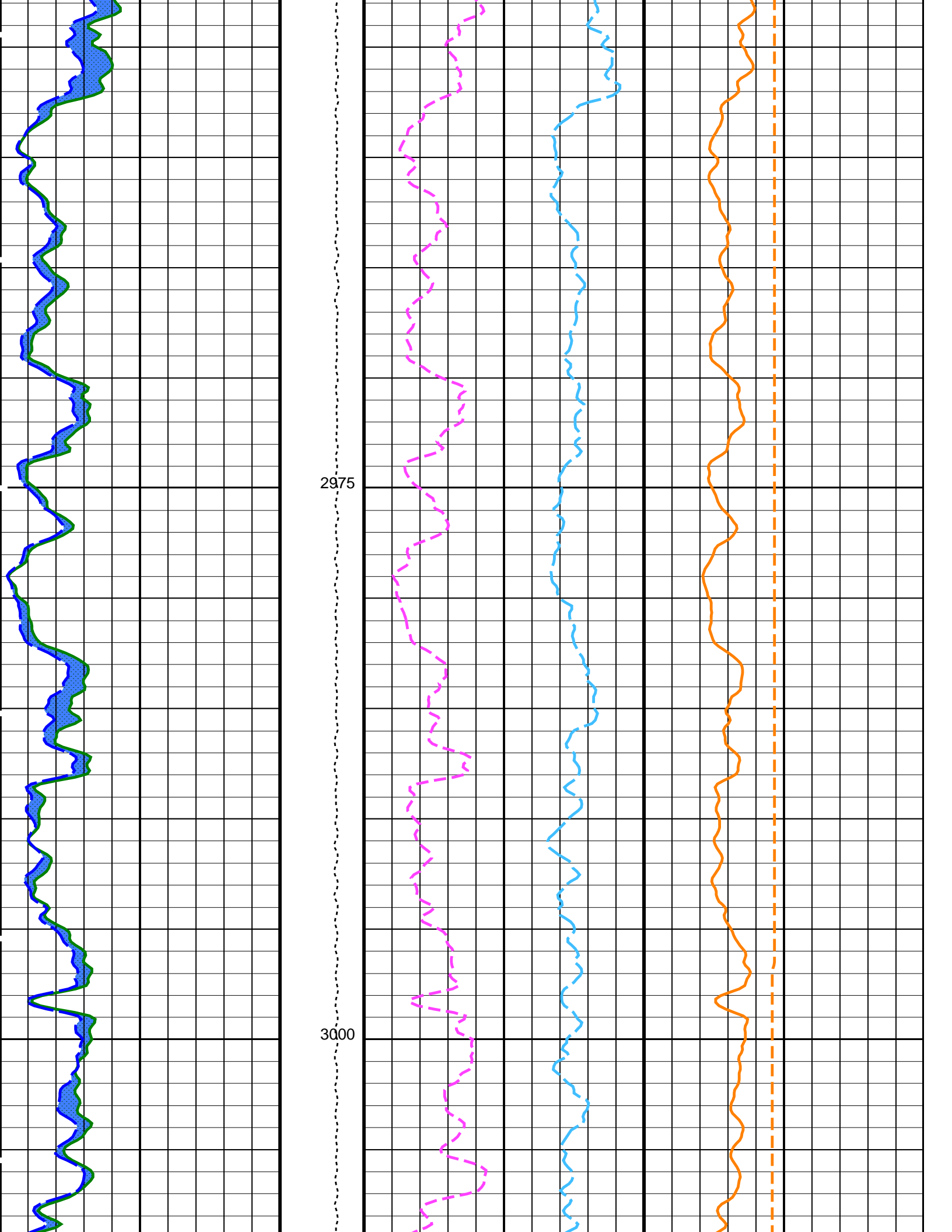
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

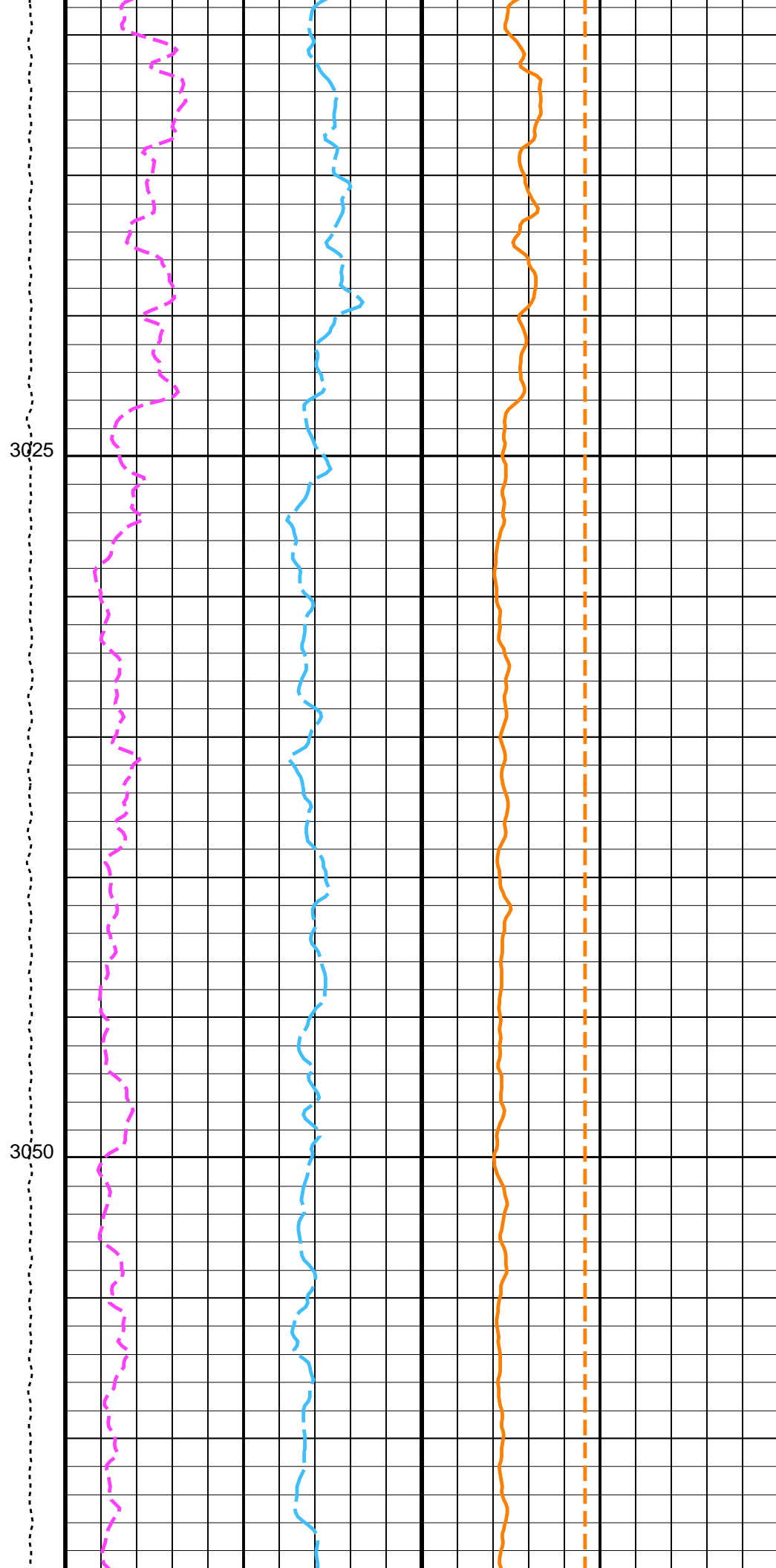
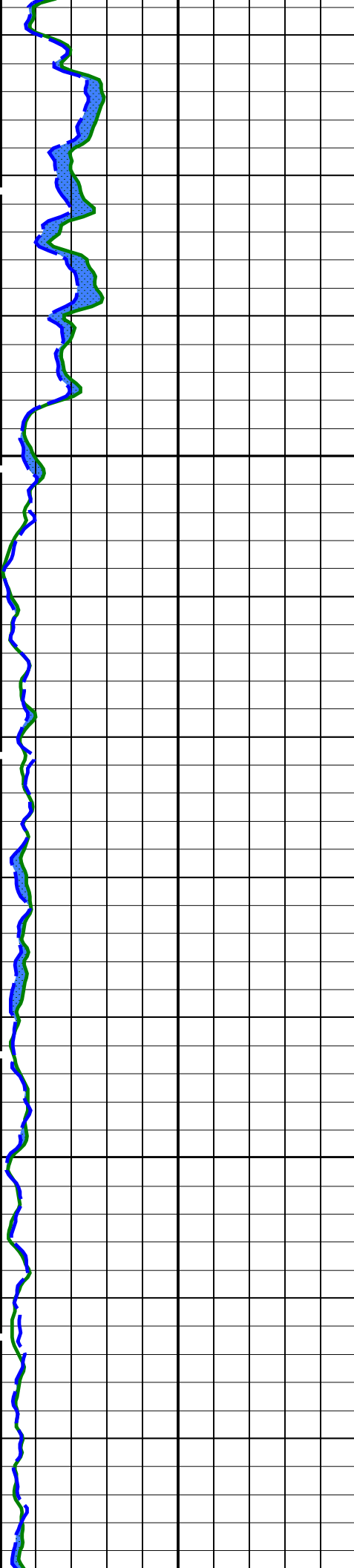


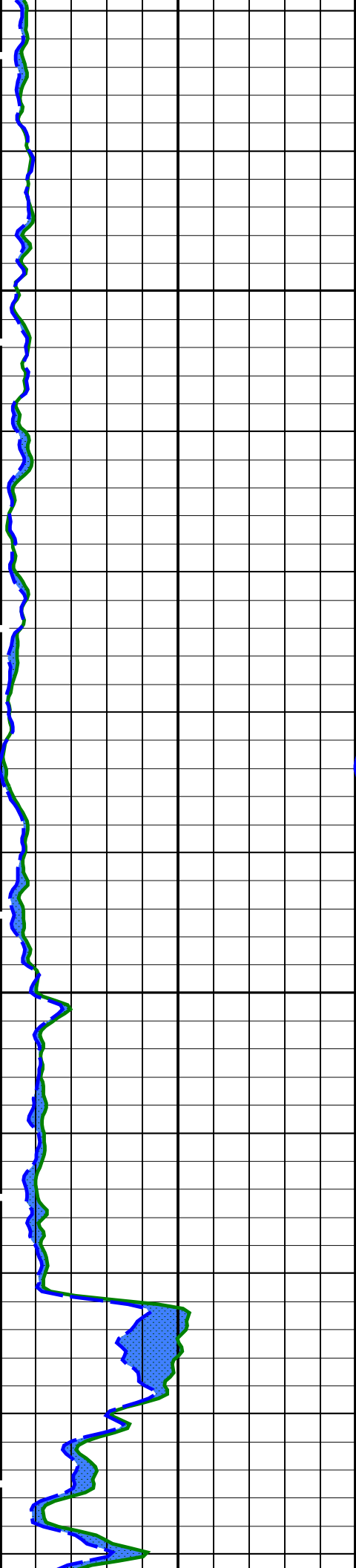






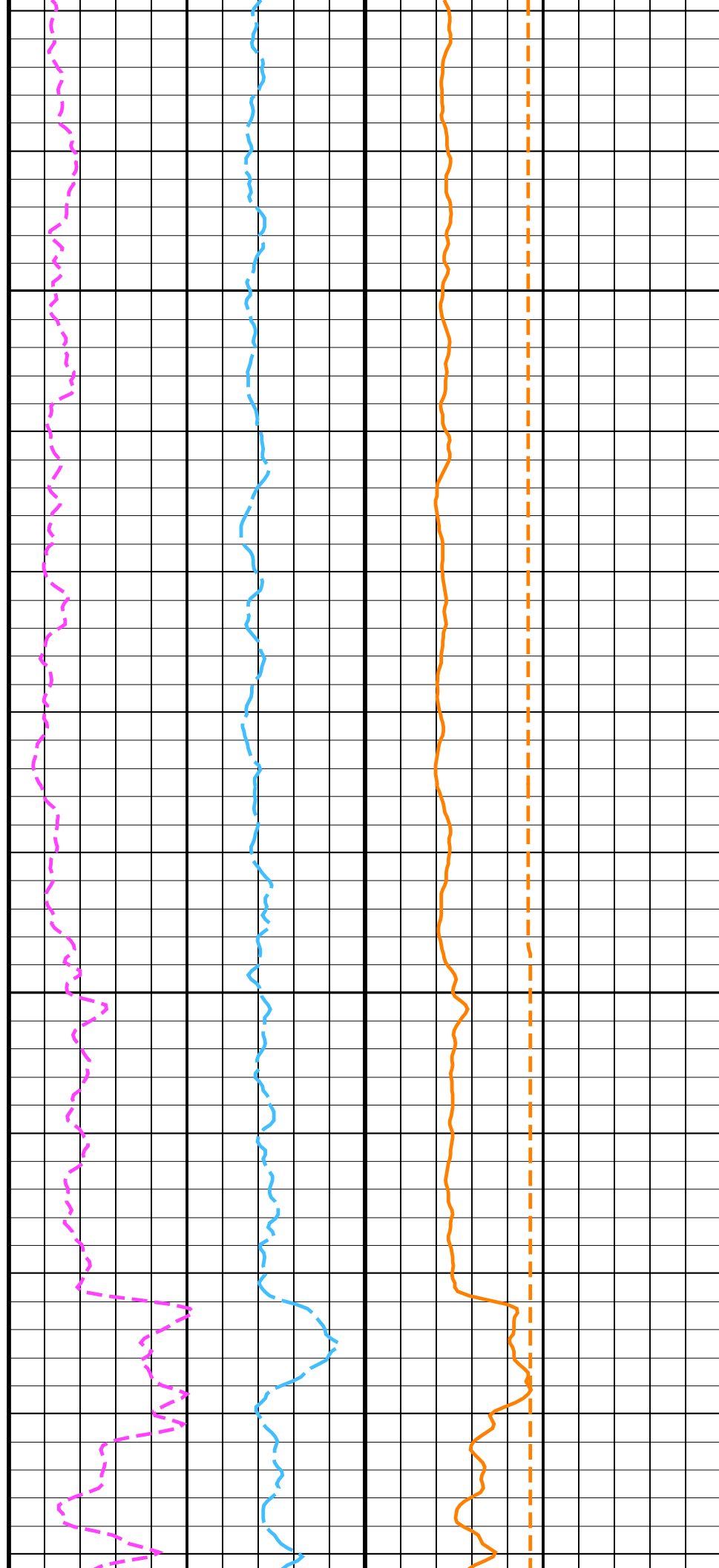


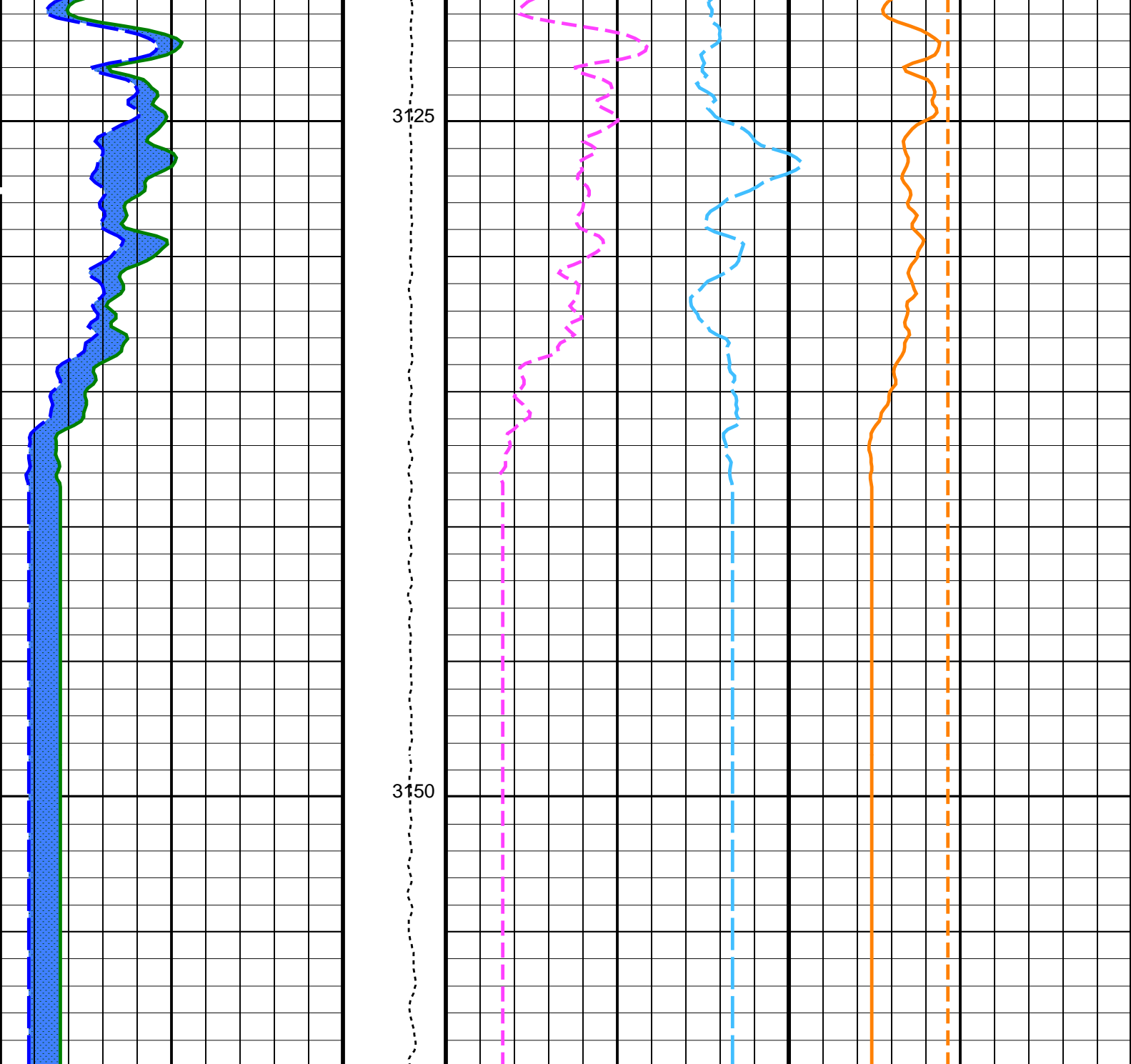




3075

3100





<b>HNGS Computed Gamma Ray (HCGR)</b> (GAPI)		<b>Tension</b> (TENS) (LBF)	<b>HNGS Thorium (HTHO)</b> (PPM)		<b>HNGS Potassium (HFK)</b> (-----)	
0	100		-1	14	-0.01	0.04
<b>Area1</b> From HCGR to HSGR		10000	<b>HNGS Uranium (HURA)</b> (PPM)		<b>HNGS Borehole Potassium (HBHK)</b> (-----)	
<b>HNGS Spectroscopy Gamma Ray</b> (HSGR) (GAPI)		0	-5		-0.05	
0	100		10		0.05	

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
BHS	DSST-B: Dipole Shear Imager – B Borehole Status	OPEN

GCSE	Generalized Caliper Selection	BS	
	HNGBA: 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	BS	
H1P	HNGB Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGB Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGB Borehole Potassium Running Average	-0.00389994	
HALF	HNGB Alpha Filter Length	60	IN
HCRB	HNGB Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGB Processing Enable	YES	
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	
TPOS	Tool Position	ECCE	
VBA1	HNGB Detector 1 Variable Barite Factor Running Average	0.989766	
VBA2	HNGB Detector 2 Variable Barite Factor Running Average	0.967865	
	EDTCB: 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	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

**OP System Version: 19C0-187**

## Input DLIS Files

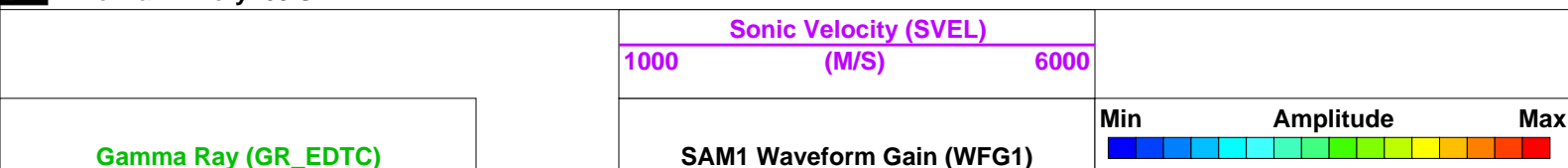
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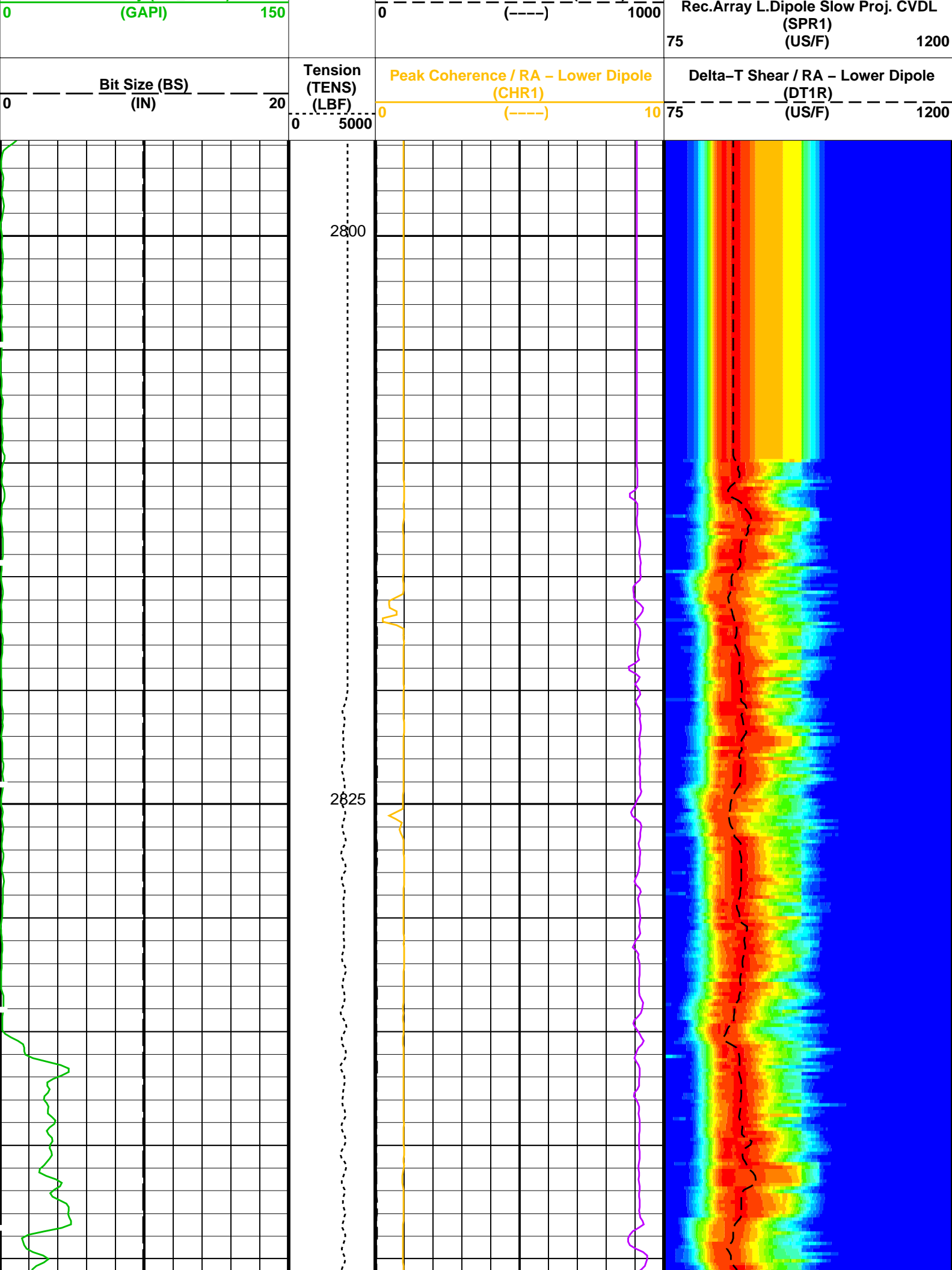
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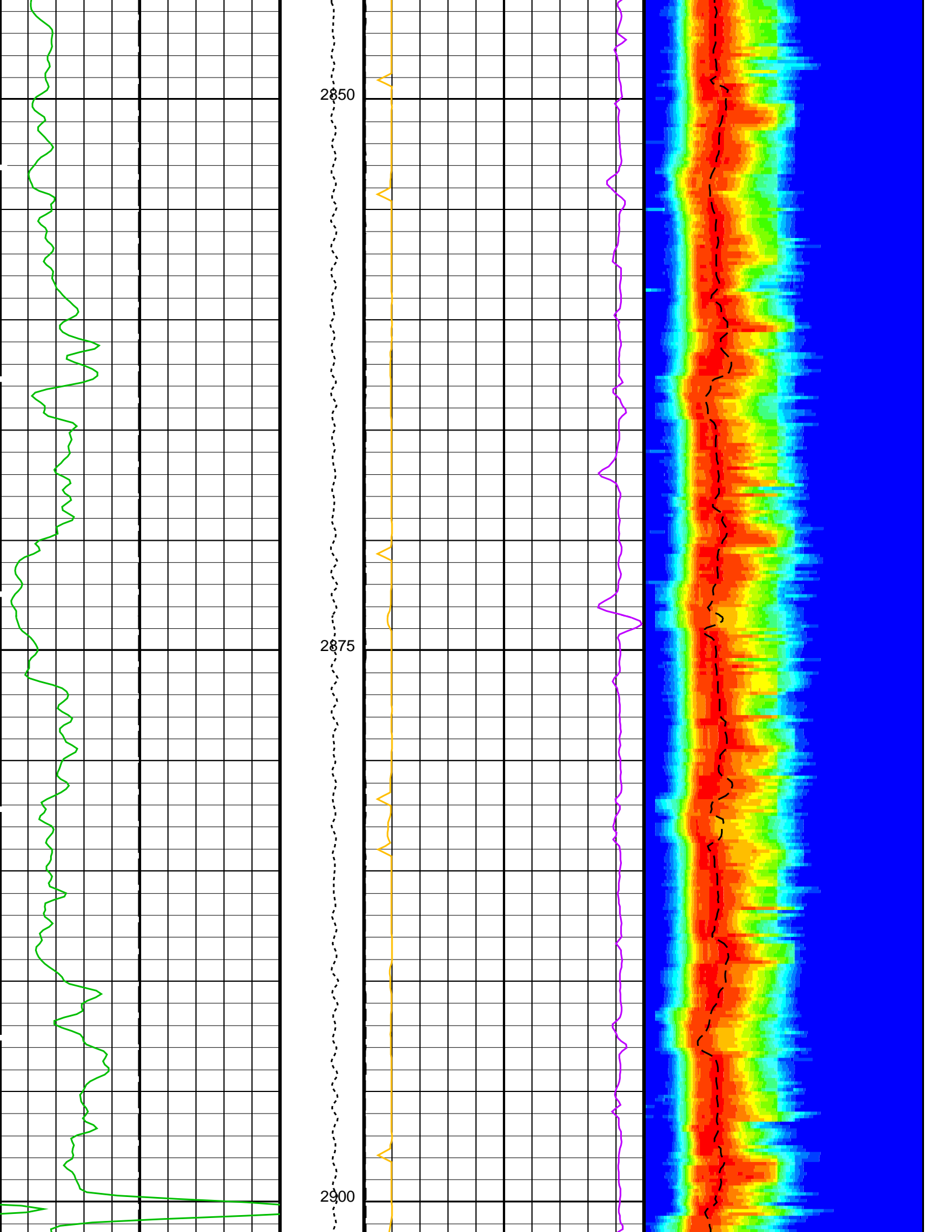
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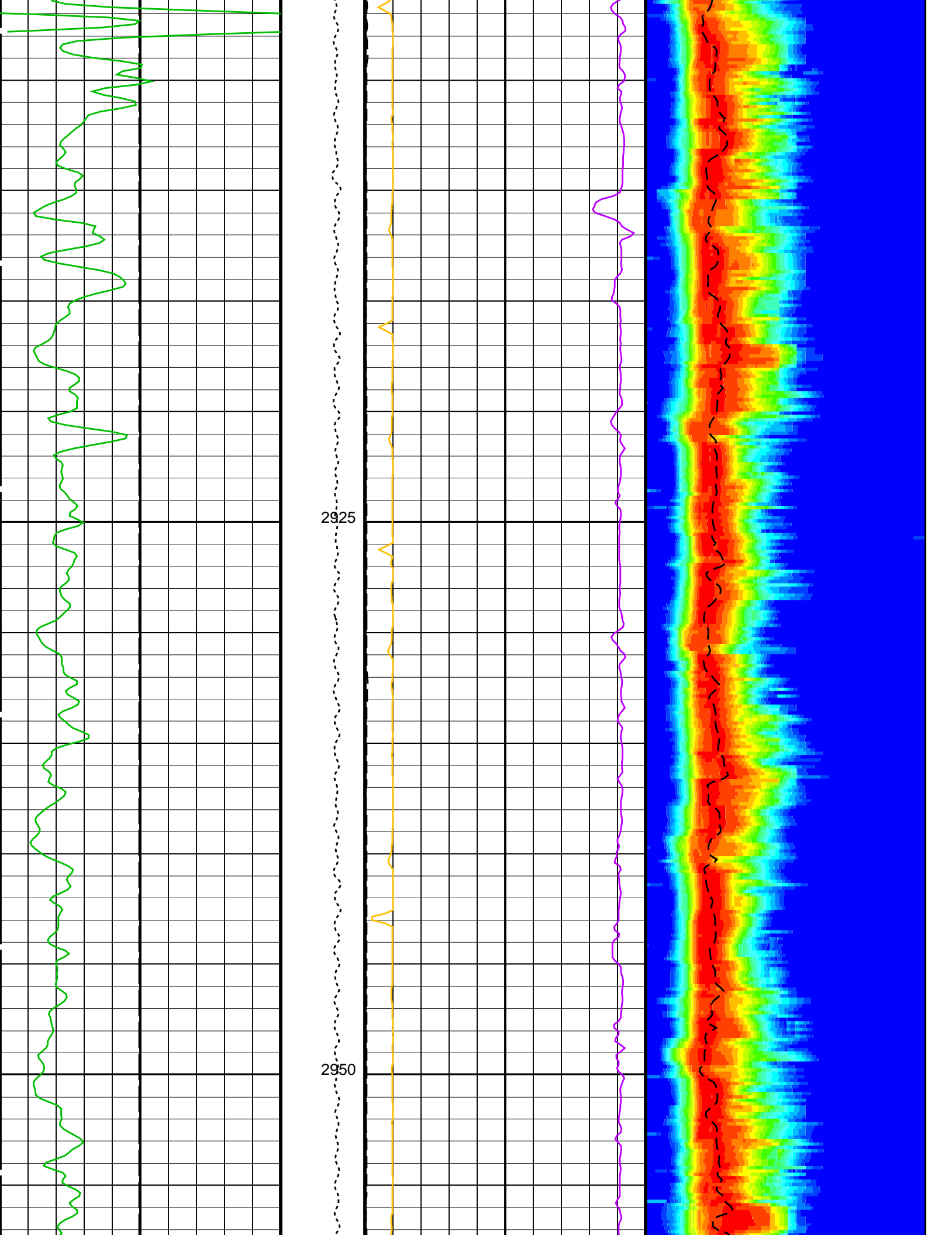
**OP System Version: 19C0-187**

## PIP SUMMARY

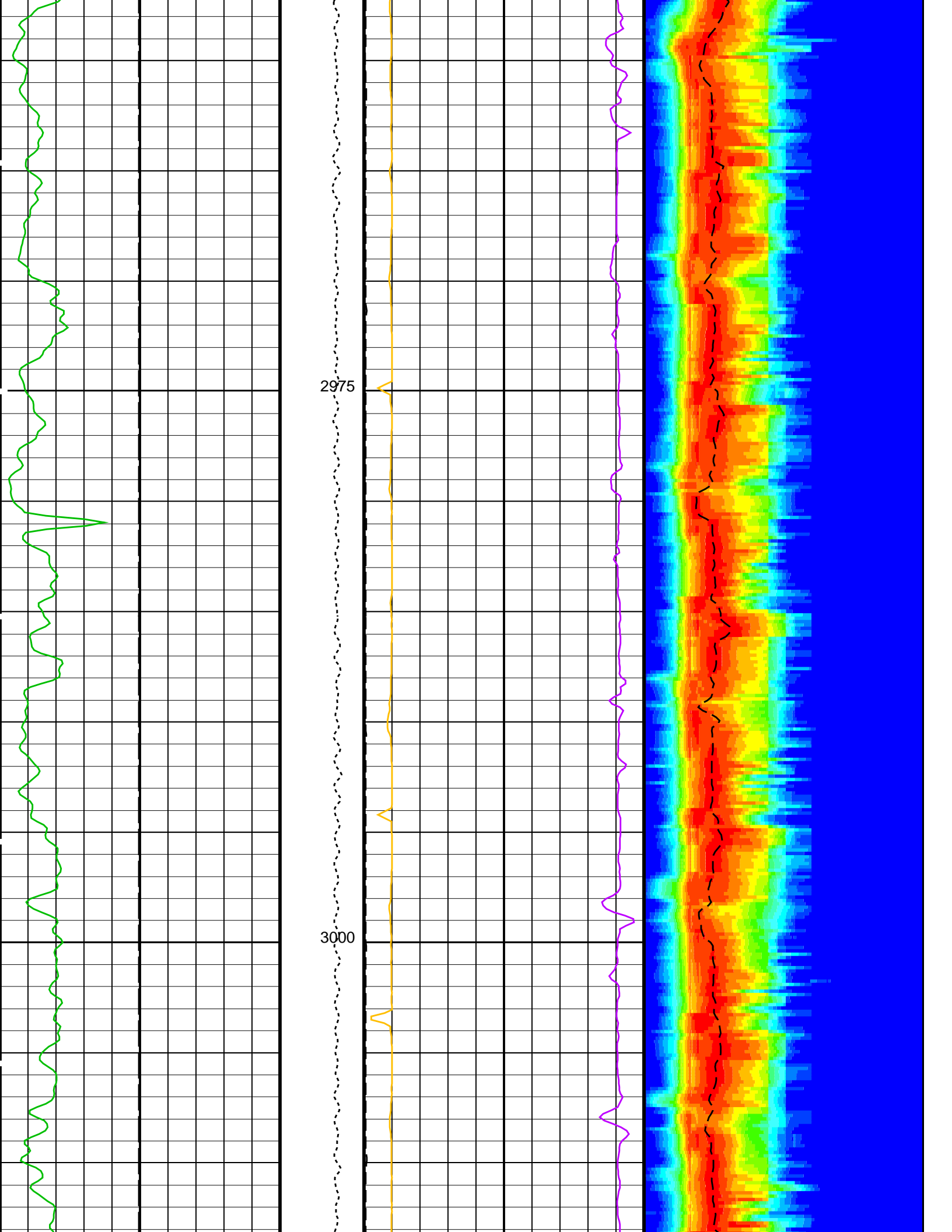


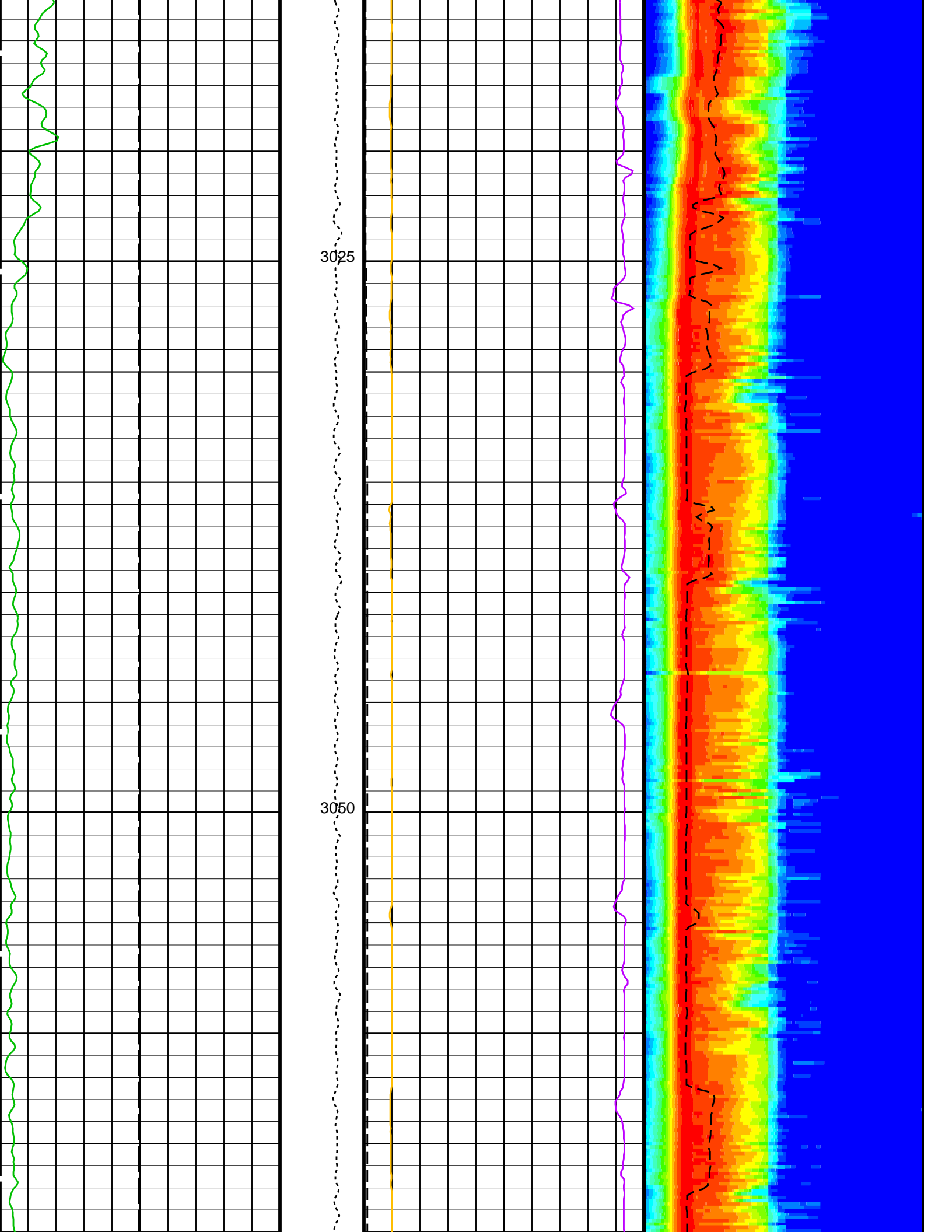


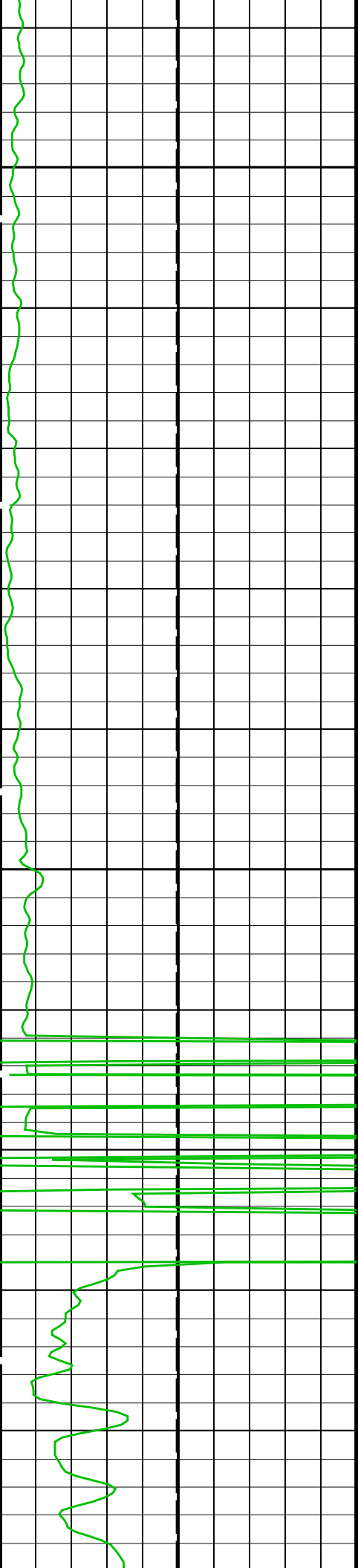




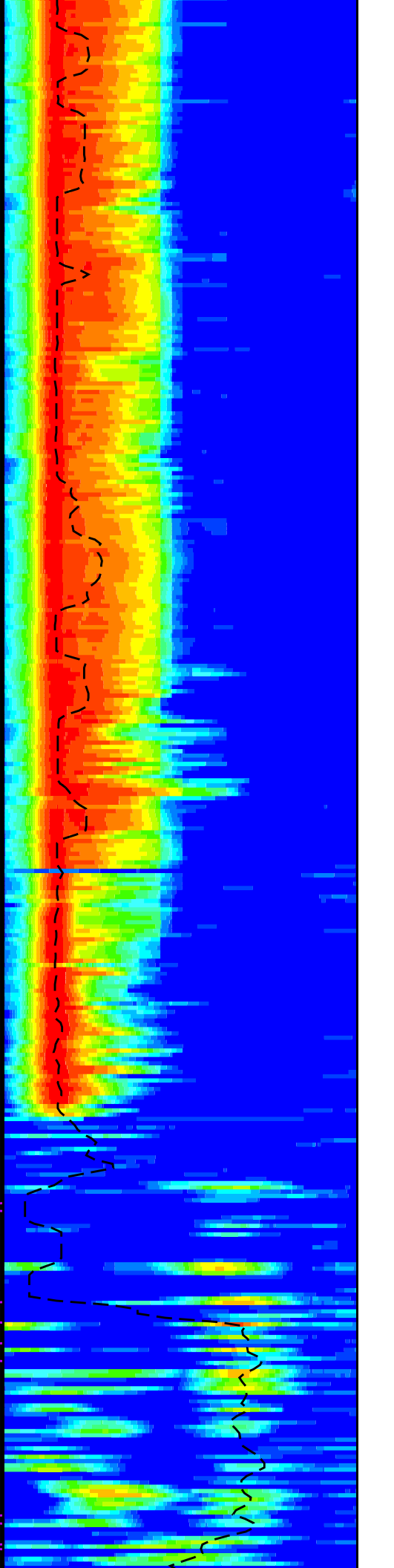
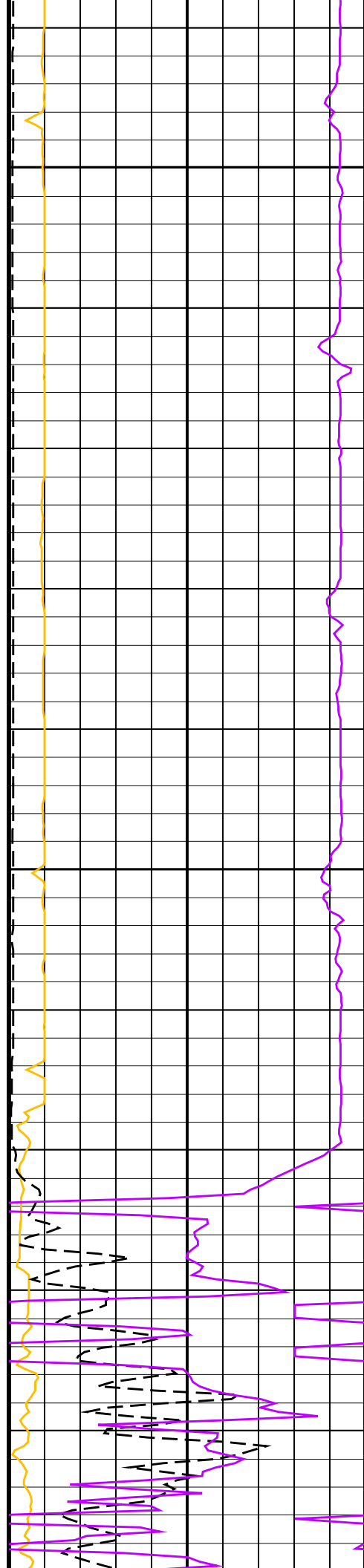


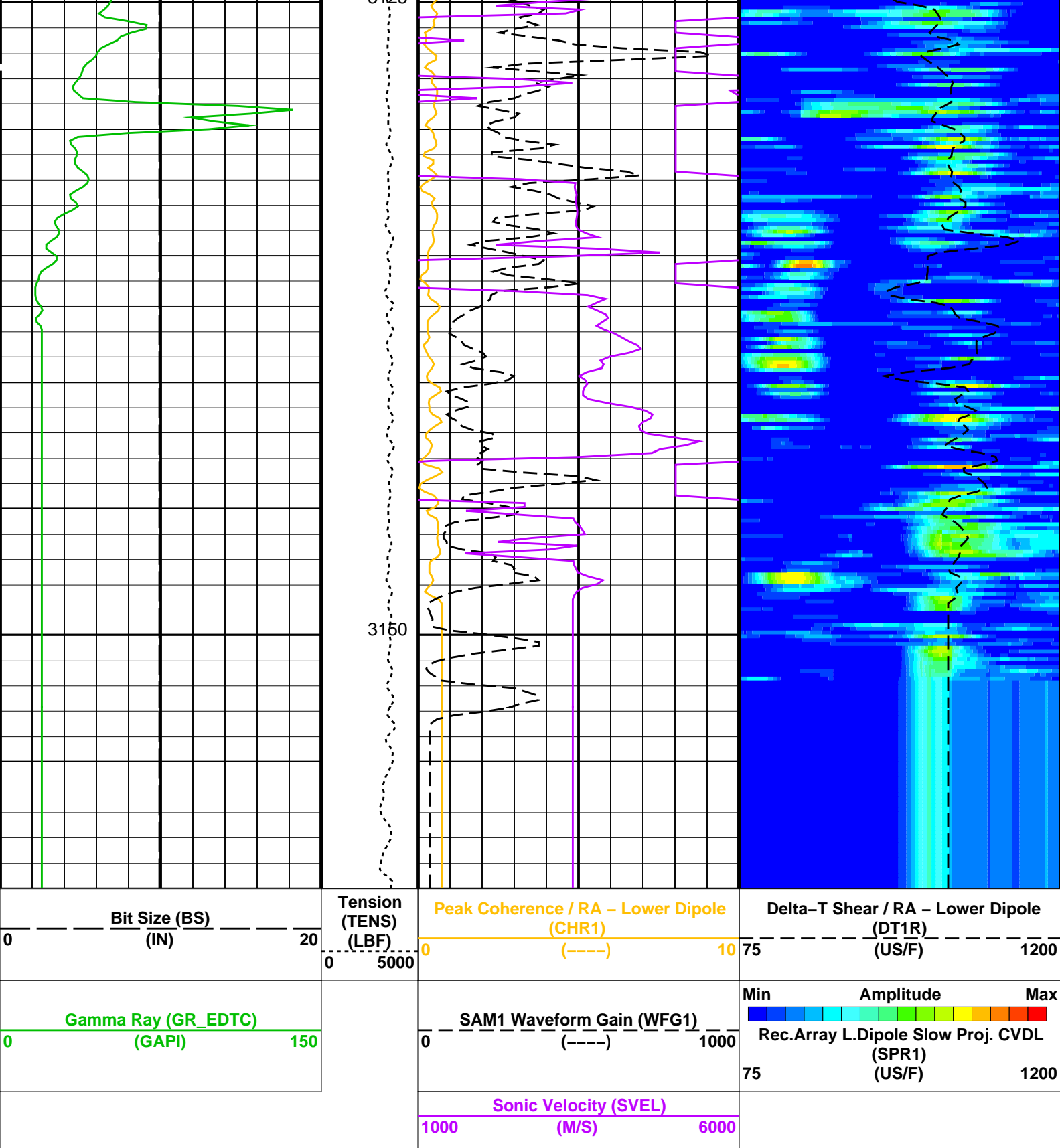






3075  
3100  
3125





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
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	130 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 DTCS Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NW11	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	
SB01	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	1400	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	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	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 31-Mar-2024 01:47

## OP System Version: 19C0-187

DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

### Input DLIS Files

DEFAULT	Flip_DSI_NGS_024LUP	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M
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### Output DLIS Files

DEFAULT	DSI_NGS_025PUP	FN:22	PRODUCER	31-Mar-2024 01:47
RTB	DSI_NGS_025PUP	FN:23	PRODUCER	31-Mar-2024 01:47

### Input DLIS Files

DEFAULT	Flip_DSI_NGS_024LUP	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M
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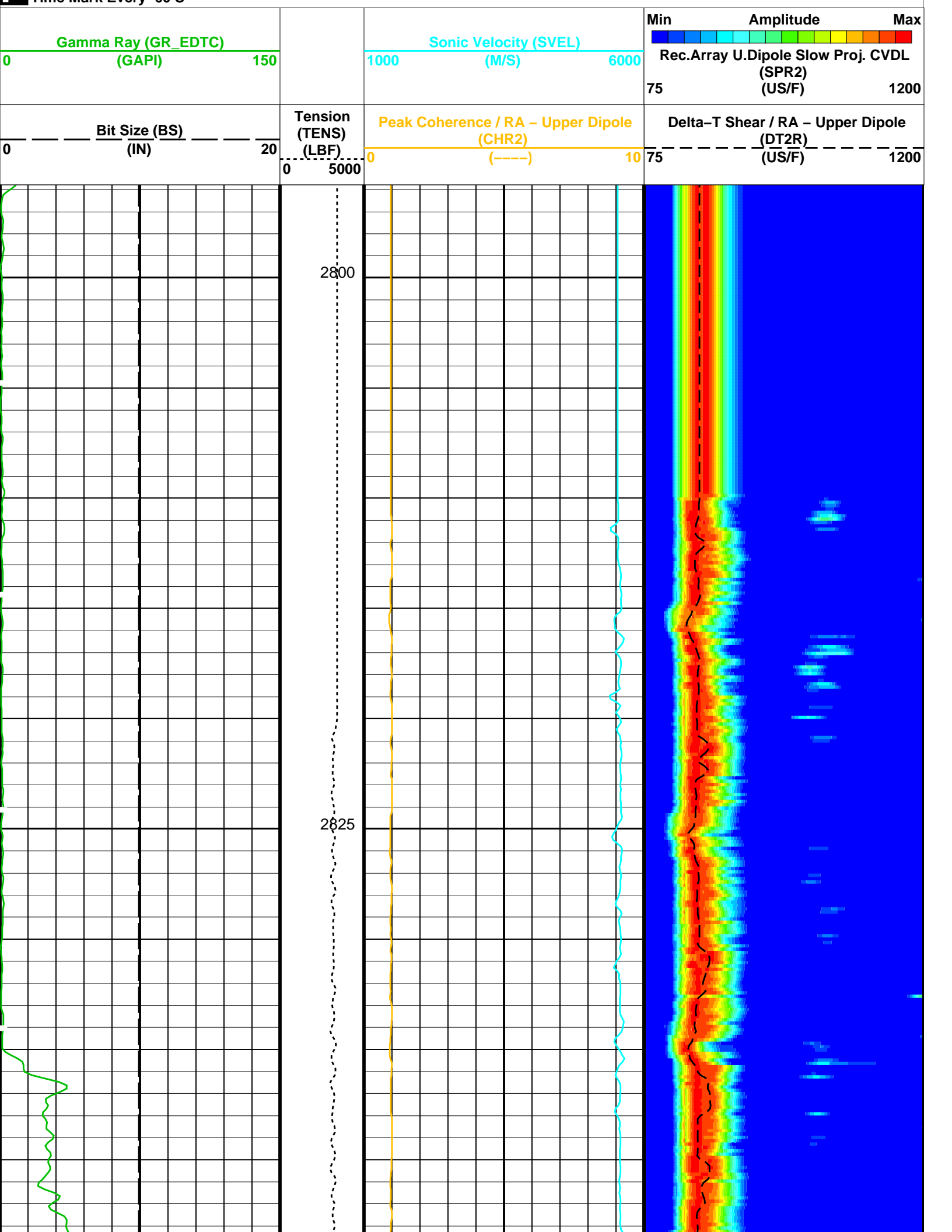
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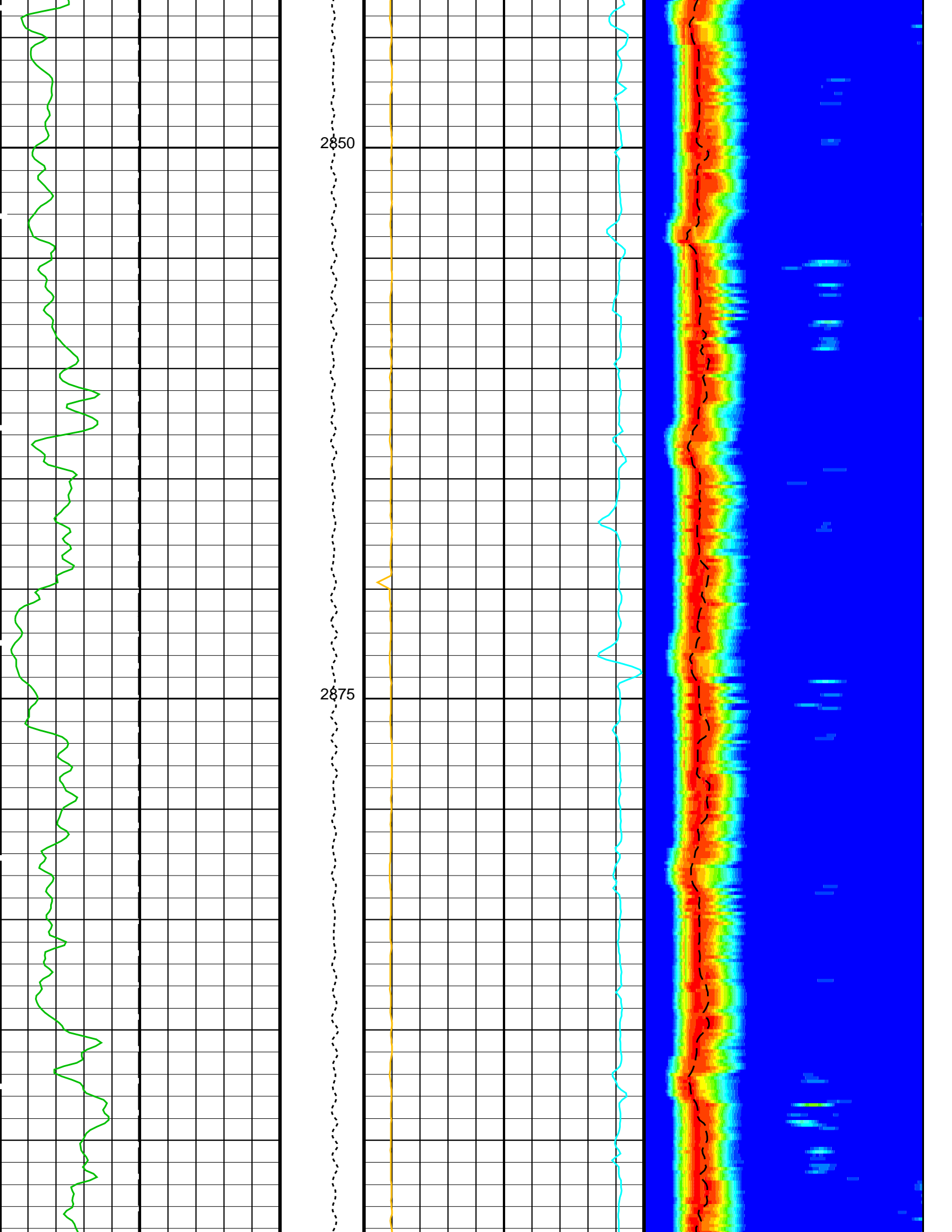
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RTB	DSI_NGS_025PUP	FN:23	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M

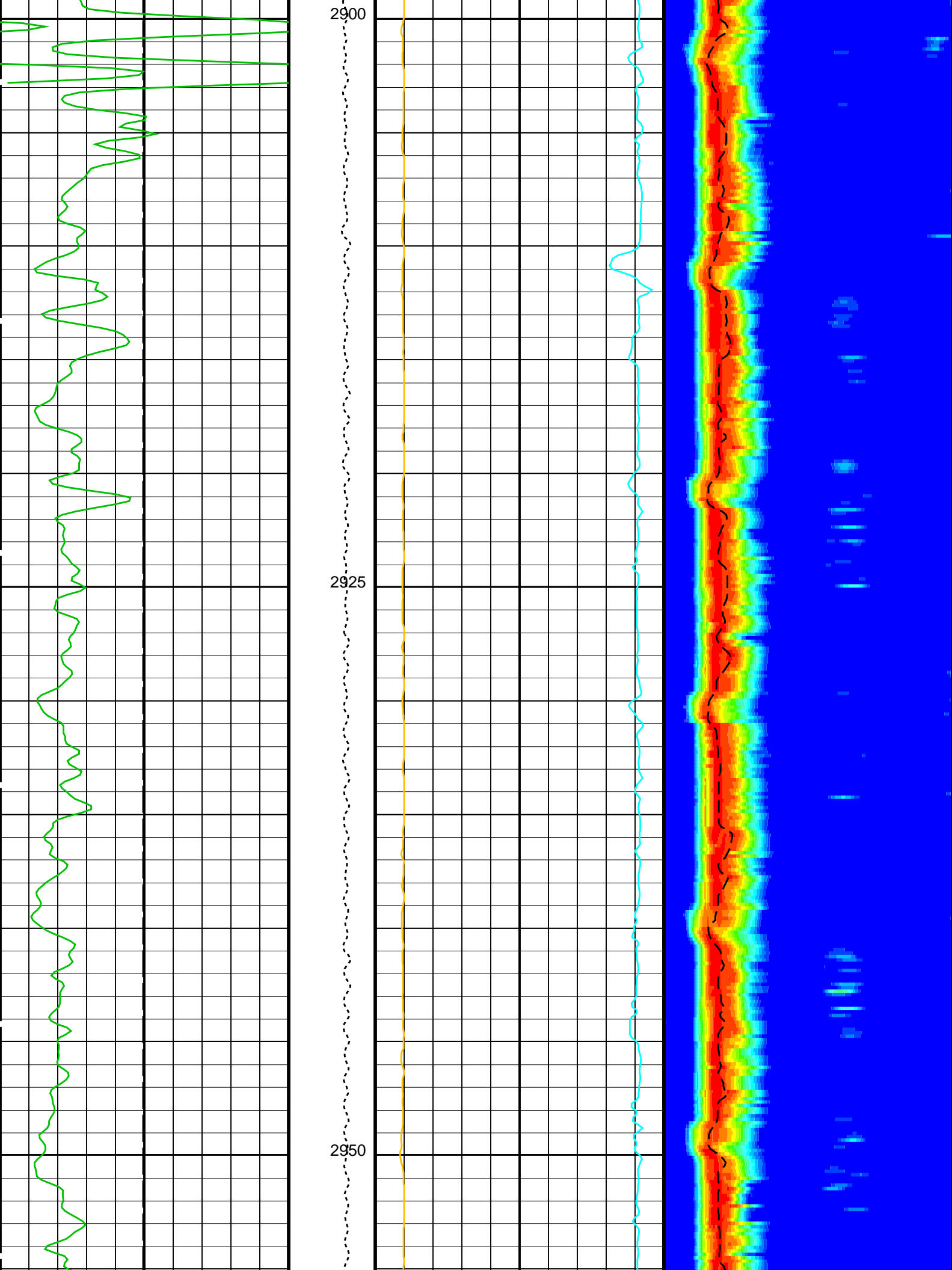
## OP System Version: 19C0-187

DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

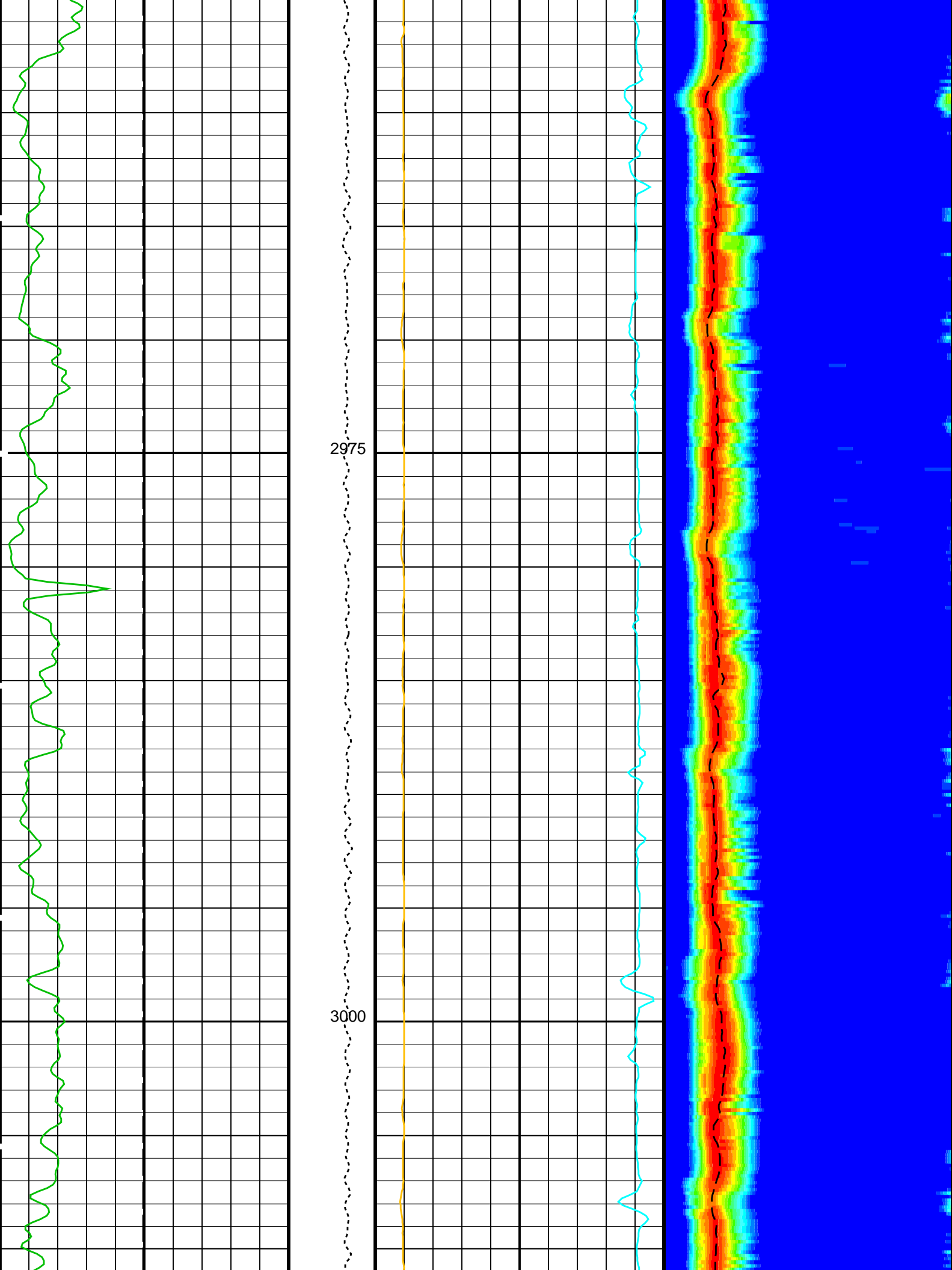
PIP SUMMARY

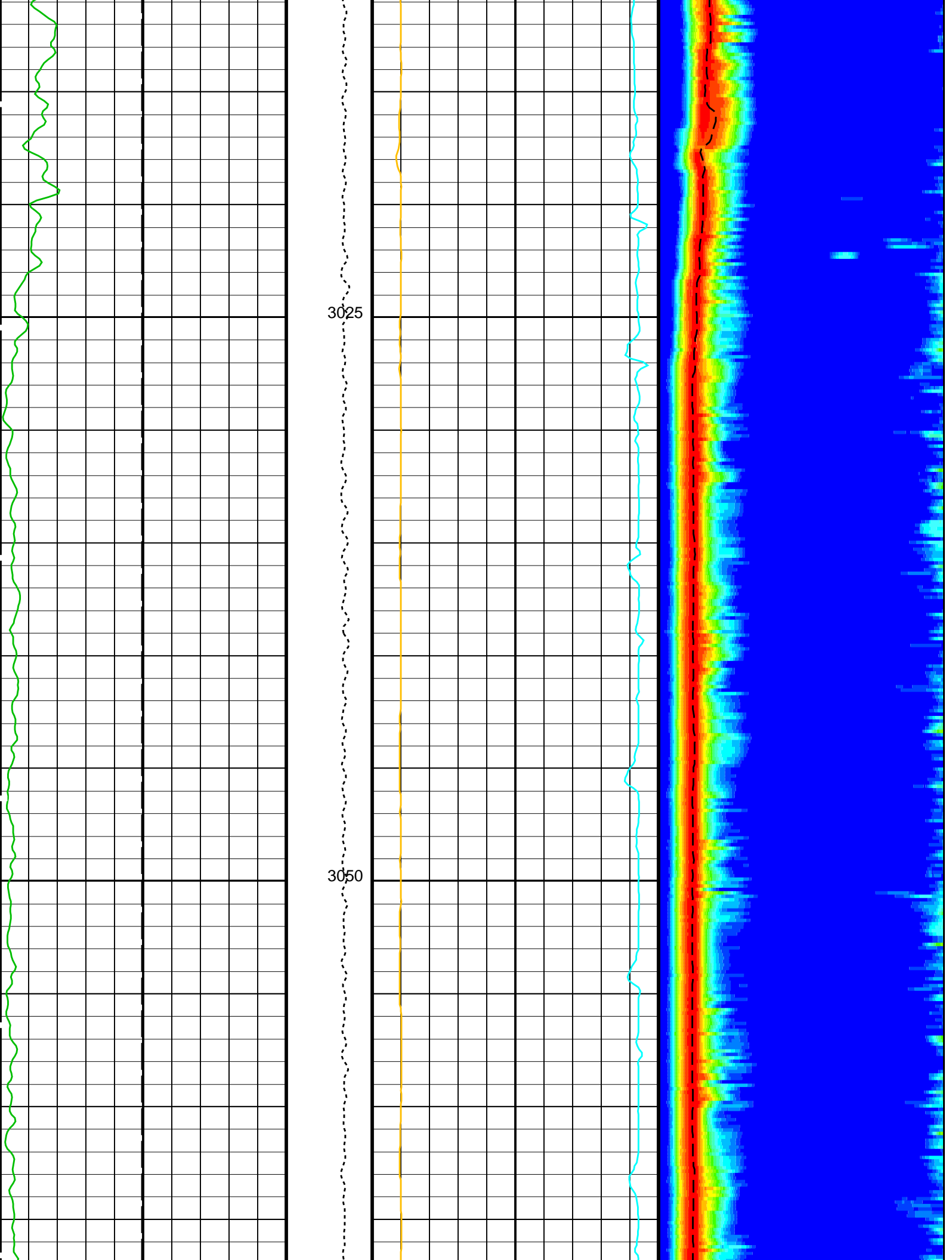


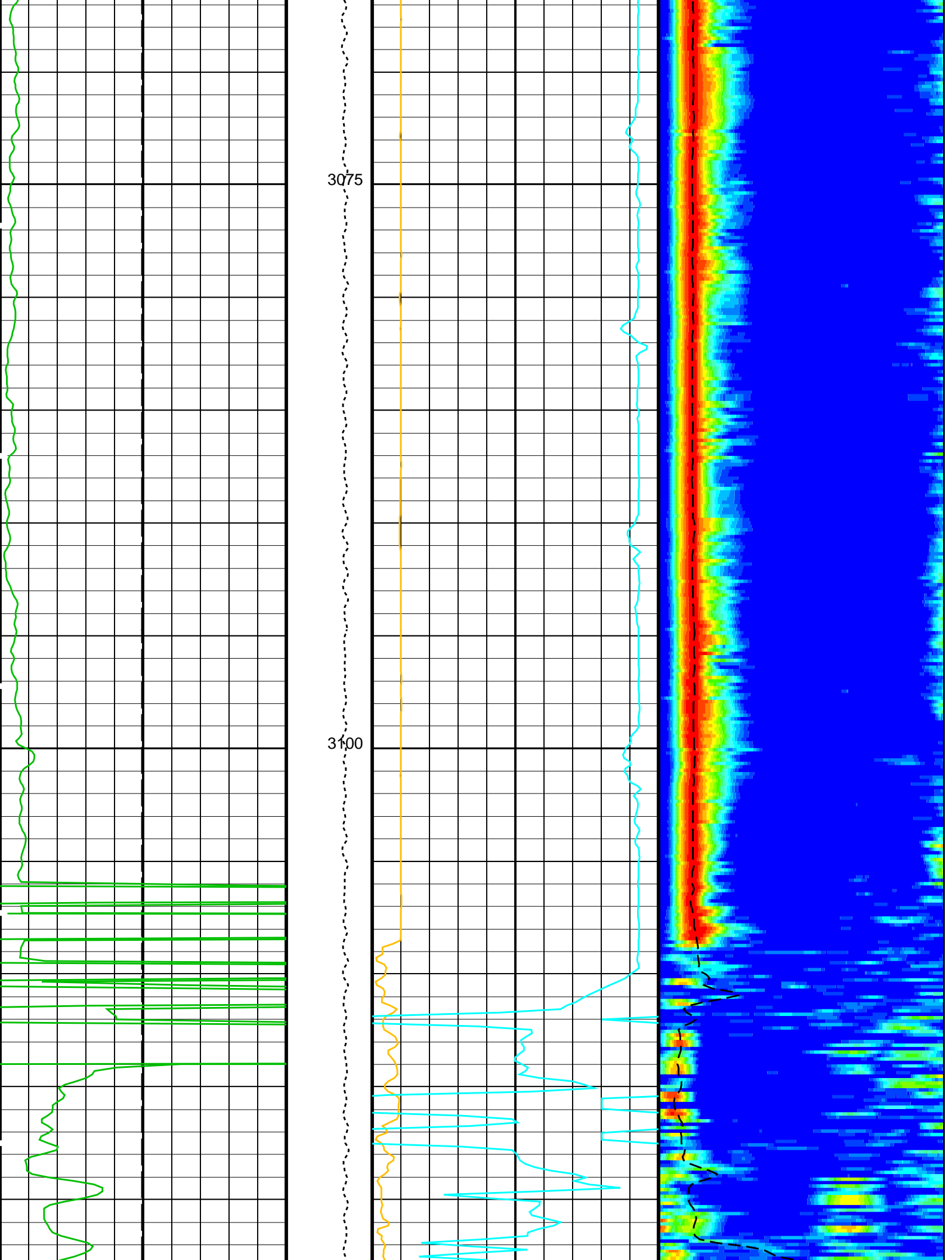


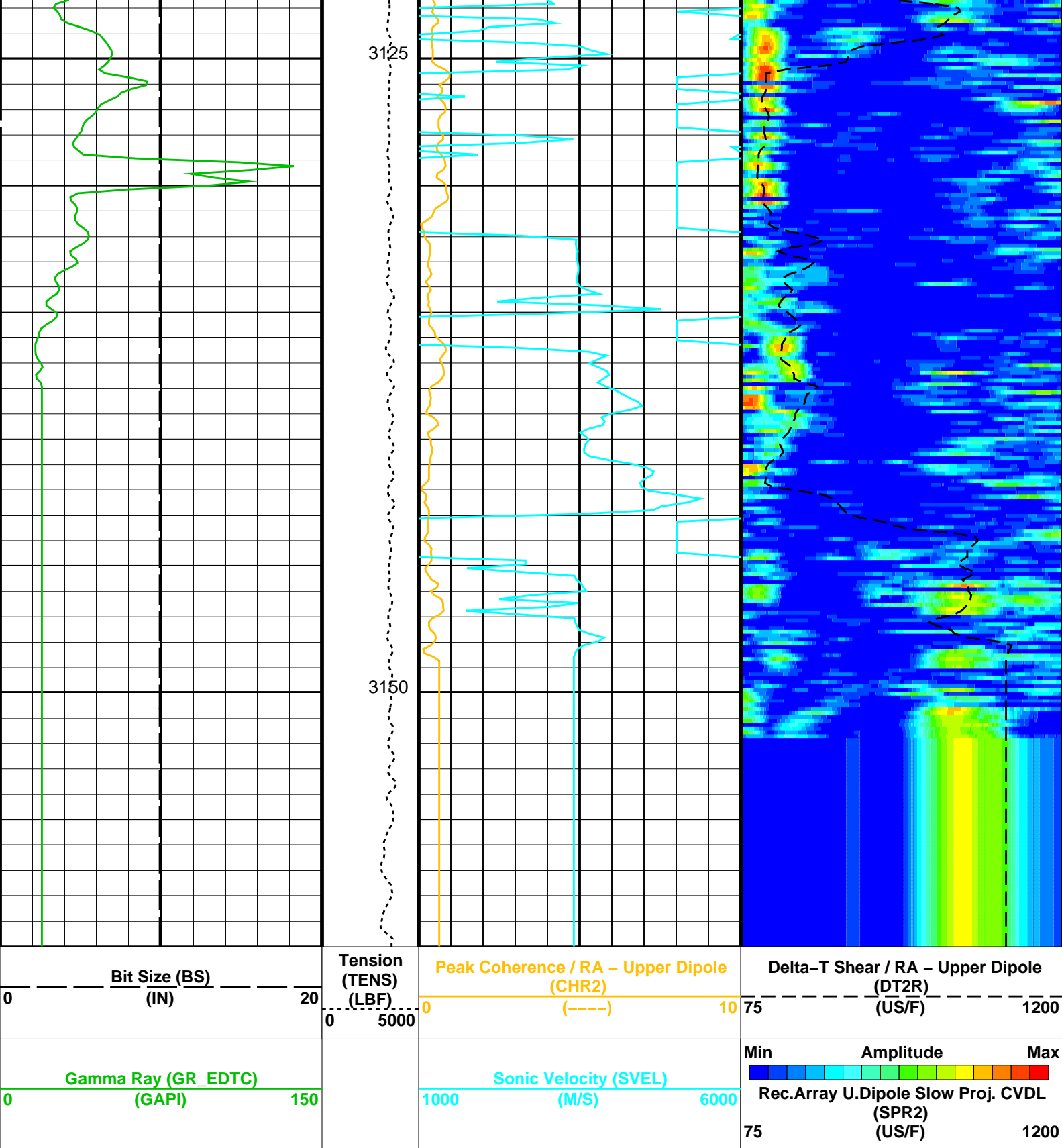












PIP SUMMARY

Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
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	130	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1200	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	
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	1400	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	20440	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
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST\_UPPER\_DIPOLE\_VDL\_COLOR

Vertical Scale: 1:200

Graphics File Created: 31-Mar-2024 01:47

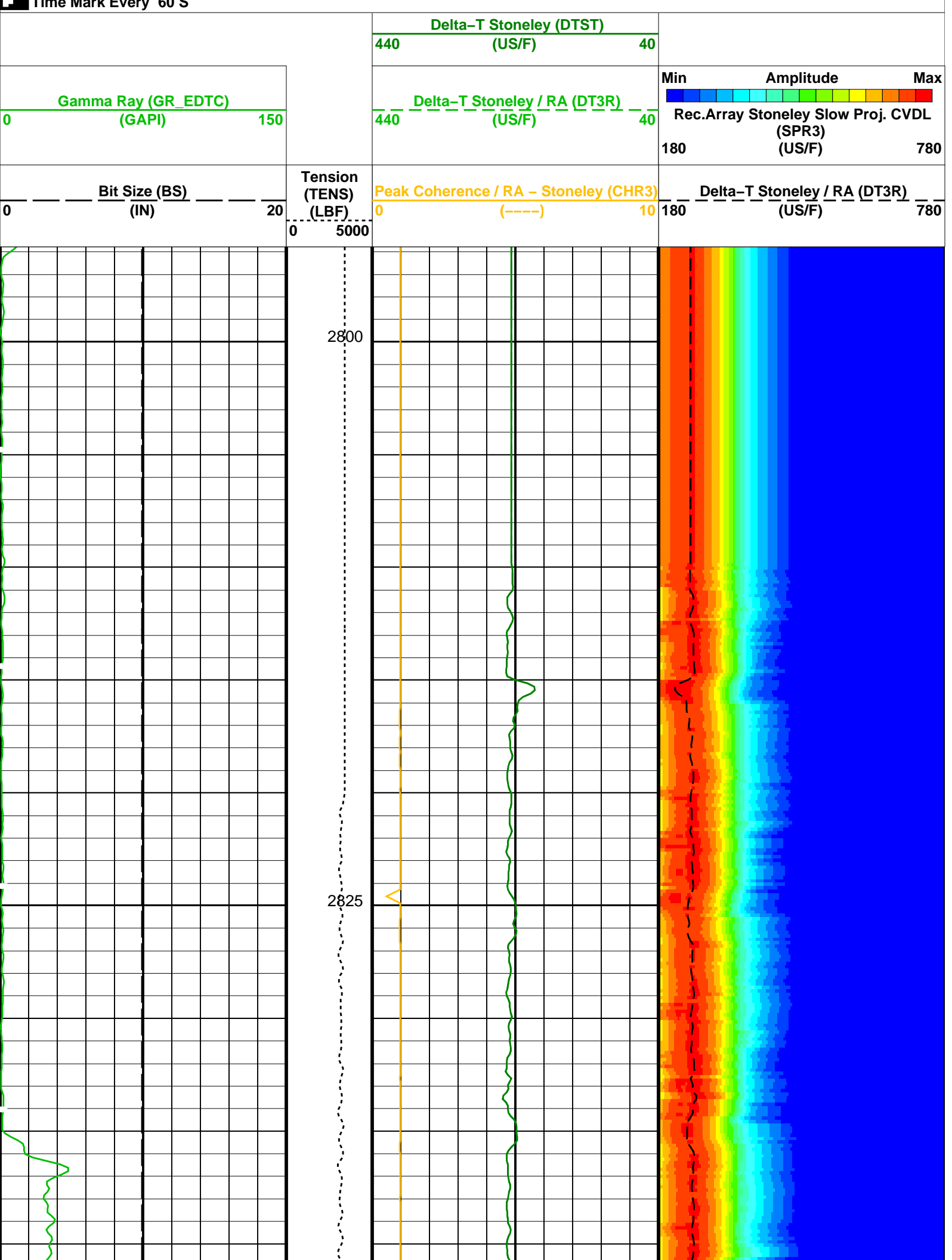
OP System Version: 19C0–187					
DSST–B	19C0–187	HNGC–B	19C0–187		
HNGS–BA	19C0–187	EDTC–B	19C0–187		
Input DLIS Files					
DEFAULT	Flip_DSI_NGS_024LUP	PRODUCER	31–Mar–2024 01:47	3160.0 M	2795.8 M
Output DLIS Files					
DEFAULT	DSI_NGS_025PUP	FN:22	PRODUCER	31–Mar–2024 01:47	
RTB	DSI_NGS_025PUP	FN:23	PRODUCER	31–Mar–2024 01:47	

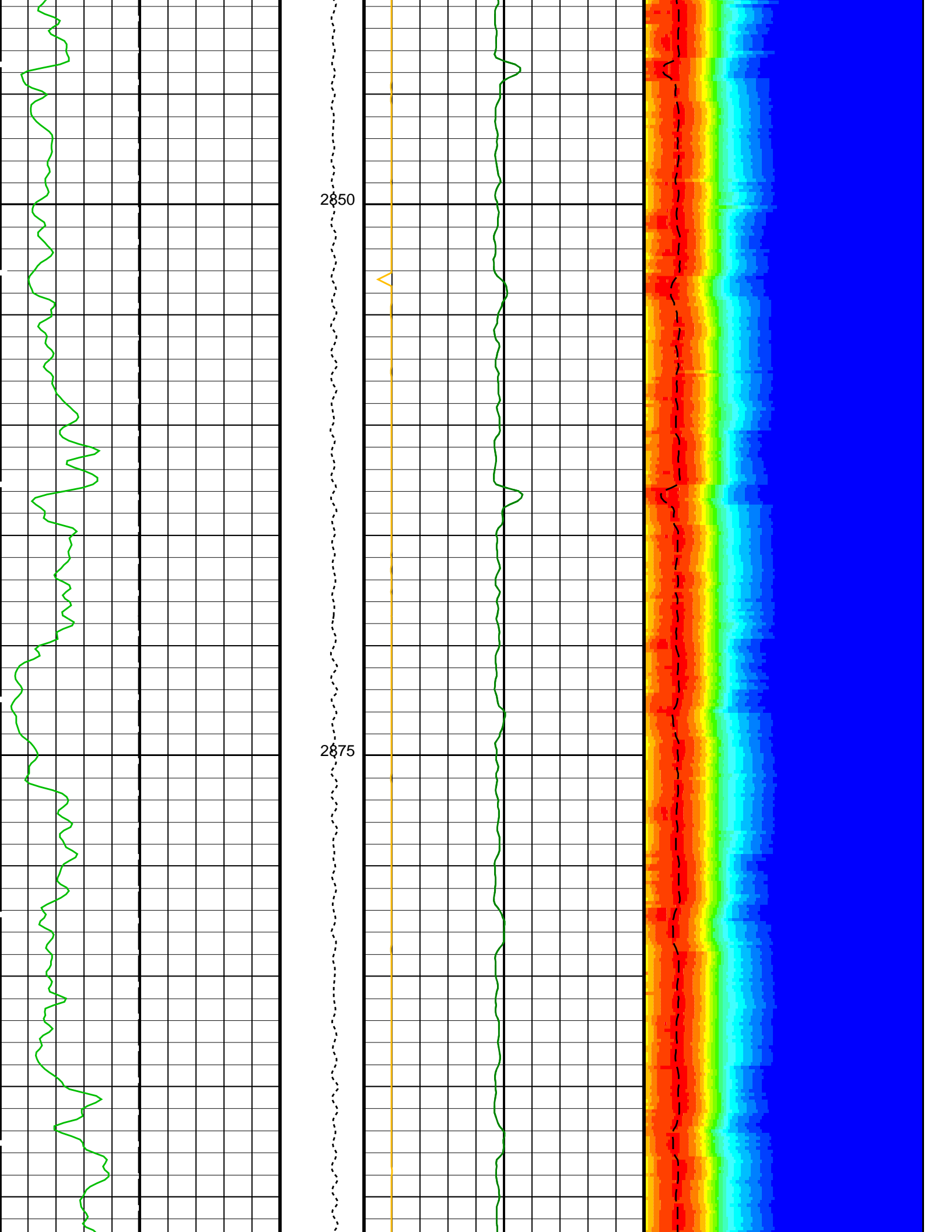
Company: International Ocean Discovery Program

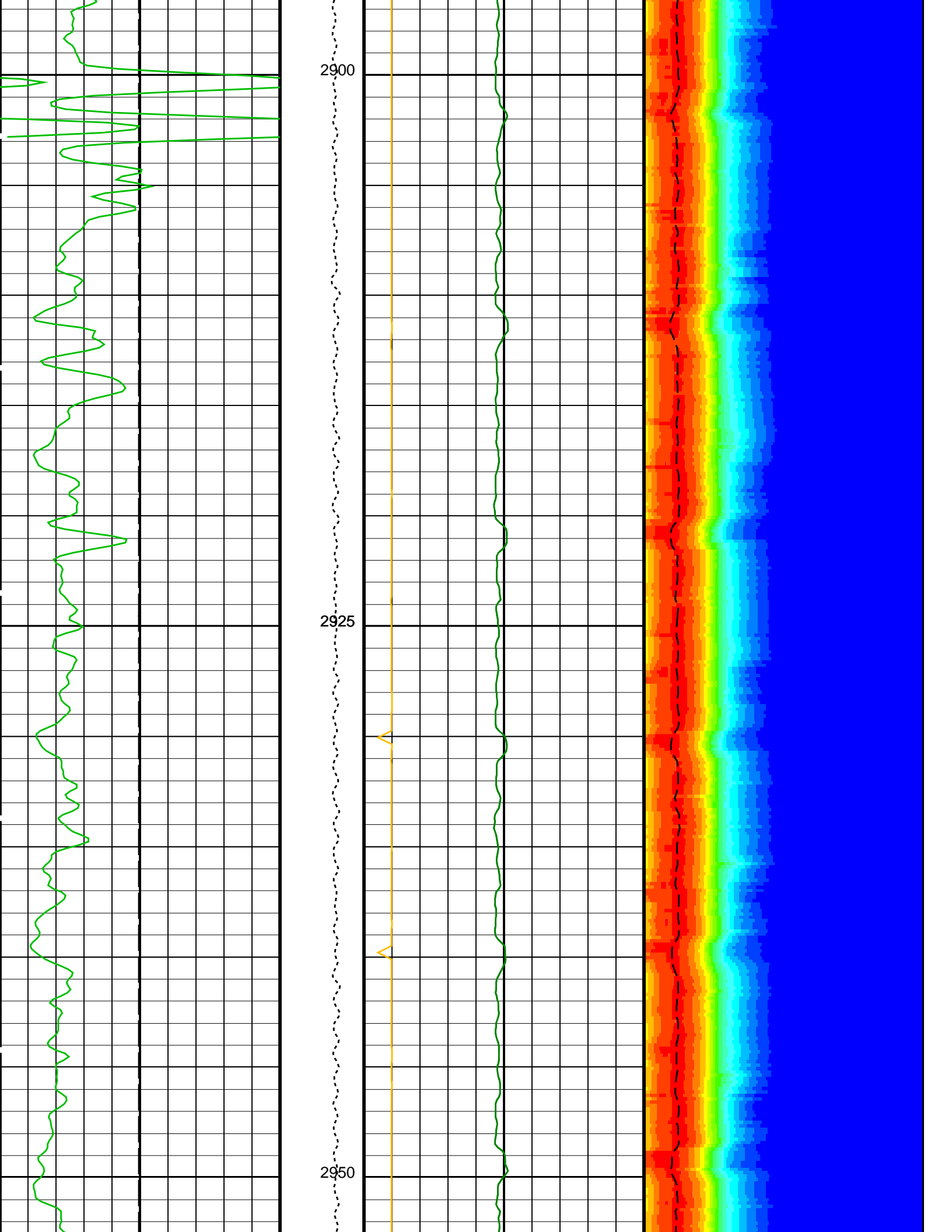
Well: Expedition 402, Site U1617B

Input DLIS Files					
DEFAULT	Flip_DSI_NGS_024LUP	PRODUCER	31–Mar–2024 01:47	3160.0 M	2795.8 M
Output DLIS Files					
DEFAULT	DSI_NGS_025PUP	FN:22	PRODUCER	31–Mar–2024 01:47	3160.0 M
RTB	DSI_NGS_025PUP	FN:23	PRODUCER	31–Mar–2024 01:47	3160.0 M
OP System Version: 19C0–187					
DSST–B	19C0–187	HNGC–B	19C0–187		
HNGS–BA	19C0–187	EDTC–B	19C0–187		

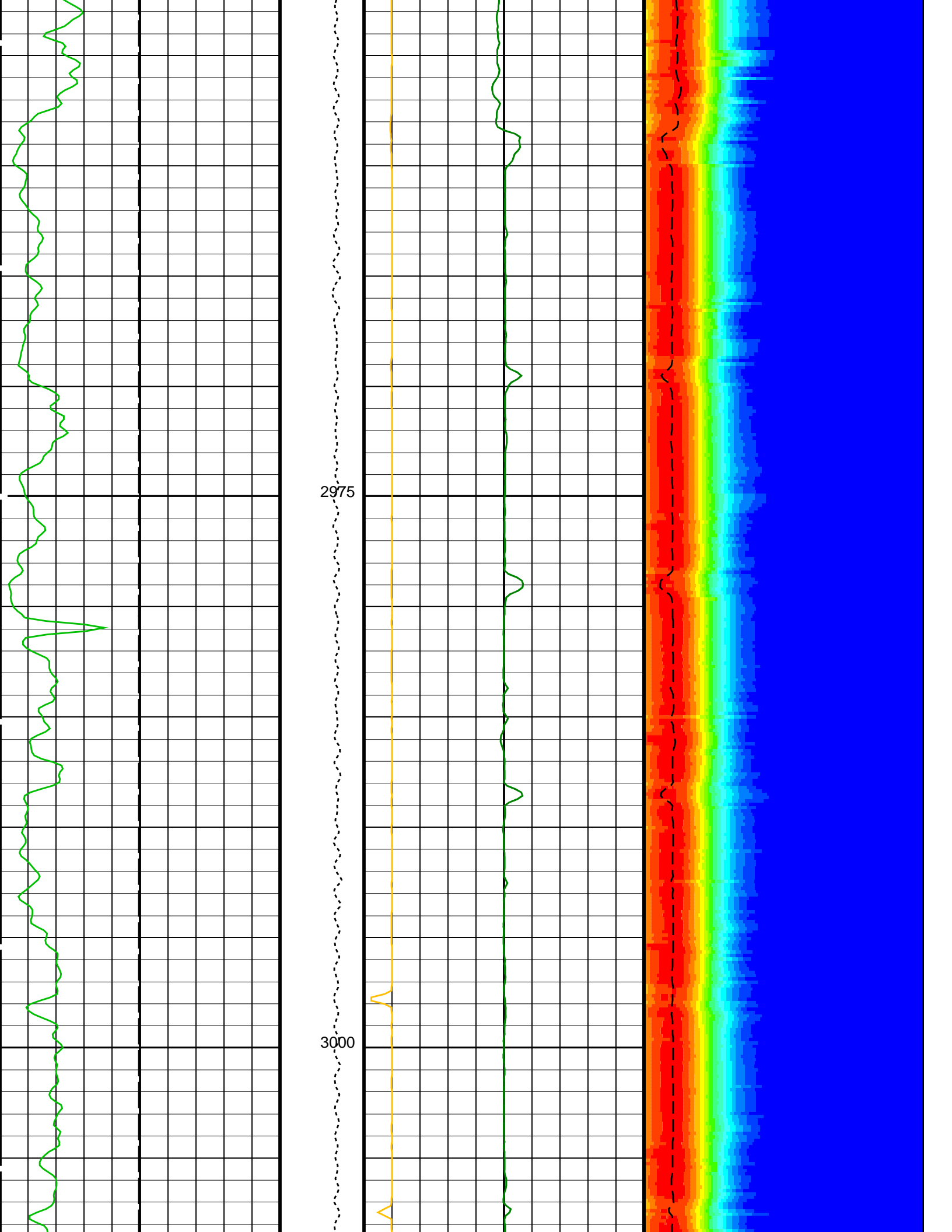
Time Mark Every 60 S

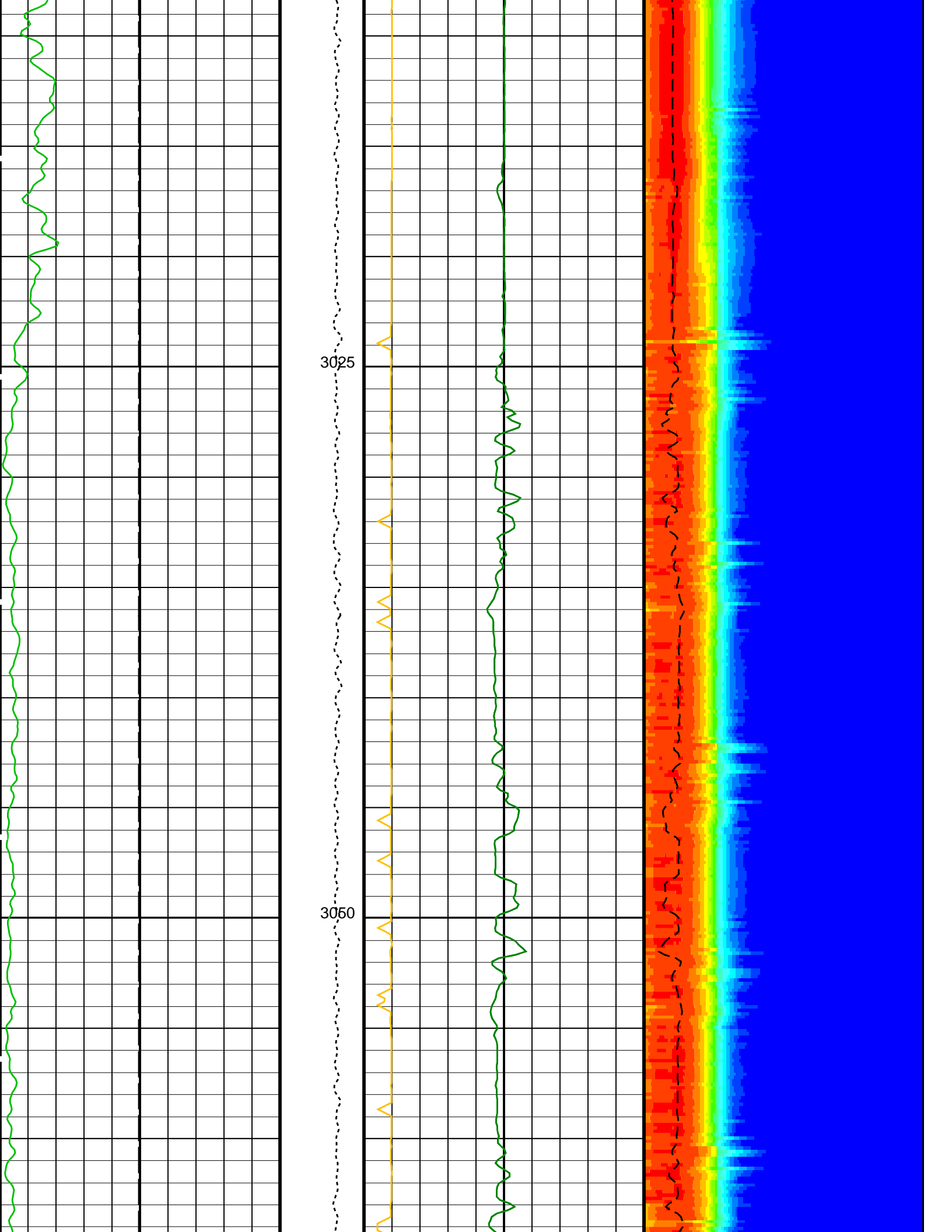


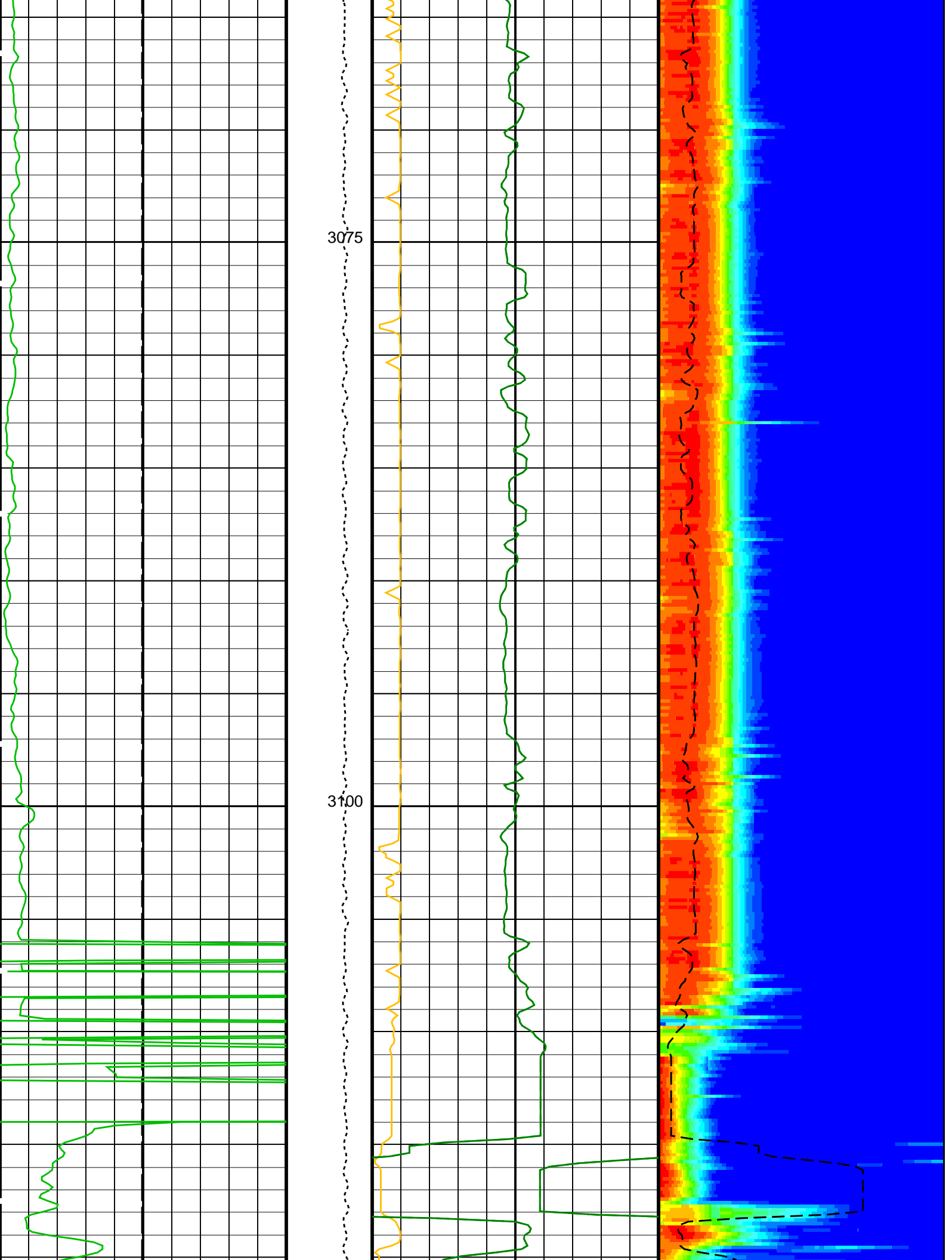


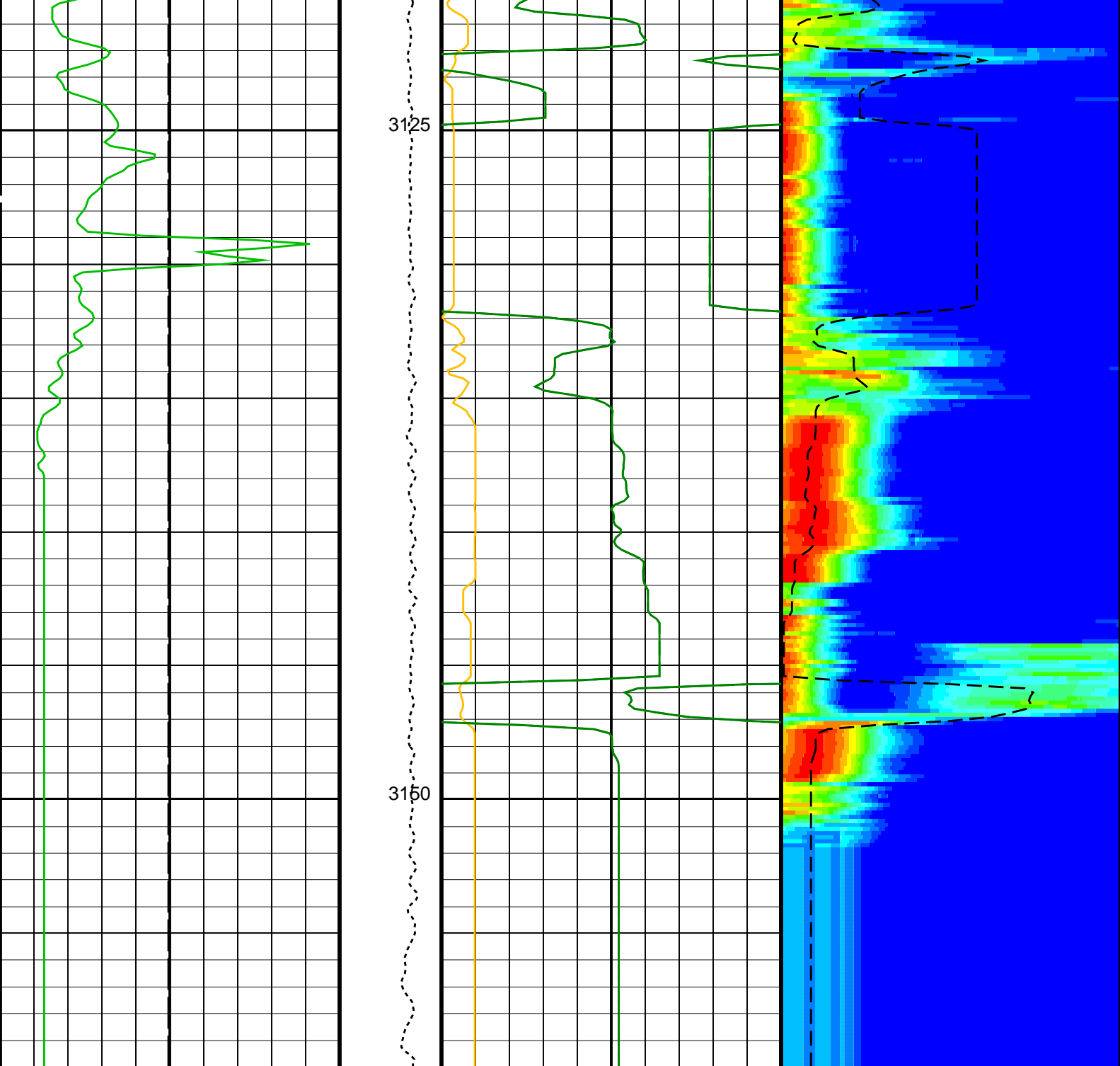












<div>Bit Size (BS) (IN)</div> <div>020</div>	<div>Tension (TENS) (LBF)</div> <div>05000</div>	<div>Peak Coherence / RA – Stoneley (CHR3) (-----)</div> <div>010</div>	<div>Delta-T Stoneley / RA (DT3R) (US/F)</div> <div>180780</div>
<div>Gamma Ray (GR_EDTC) (GAPI)</div> <div>0150</div>		<div>Delta-T Stoneley / RA (DT3R) (US/F)</div> <div>44040</div>	<div>MinAmplitudeMax</div> <div>Rec.Array Stoneley Slow Proj. CVDL (SPR3) (US/F)</div> <div>180780</div>
		<div>Delta-T Stoneley (DTST) (US/F)</div> <div>44040</div>	

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value

DSST-B: Dipole Shear Imager – B				
DDE3	Digitizing Delay 3	0	US	
DDEX	Digitizing Delay X	0	US	
DSI3	Digitizer Sample Interval 3	40	US	
DSIX	Digitizer Sample Interval X	40	US	
DTCS	Compressional Delta–T Source for DTCO Channel	PS_COMP		
DWC3	Digitizer Word Count 3	512		
DWCX	Digitizer Word Count X	512		
MTXG	Monopole Transmitter Geometry	186	IN	
NWI3	Number Waveform Items 3	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	
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	EVEN		
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF		
SAS3	STC Sonic Array Status – Monopole Stoneley	255		
SBO3	STC Search Band Offset – Monopole Stoneley	2000	US	
SBW3	STC Search Bandwidth – Monopole Stoneley	6000	US	
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE		
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K		
SLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F	
SST3	STC Slowness Step – Monopole Stoneley	4	US/F	
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3		
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F	
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F	
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F	
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F	
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US	
TLL3	STC Time Lower Limit – Monopole Stoneley	620	US	
TST3	STC Time Step – Monopole Stoneley	200	US	
TUL3	STC Time Upper Limit – Monopole Stoneley	12020	US	
TWD3	STC Time Width – Monopole Stoneley	2000	US	
TWI3	STC Integration Time Window – Monopole Stoneley	1600	US	
TWSX	Transmitter Waveform Select X	0		
System and Miscellaneous				
BS	Bit Size	9.875	IN	
DO	Depth Offset for Playback	0.0	M	
PP	Playback Processing	NORMAL		

Format: DSST\_STONELEY\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 31-Mar-2024 01:47

**OP System Version: 19C0-187**

DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

## Input DLIS Files

DEFAULT	Flip_DSI_NGS_024LUP	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M
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## Output DLIS Files

DEFAULT	DSI_NGS_025PUP	FN:22	PRODUCER	31-Mar-2024 01:47
RTB	DSI_NGS_025PUP	FN:23	PRODUCER	31-Mar-2024 01:47

Company: International Ocean Discovery Program Well: Expedition 402, Site U1617B

## Input DLIS Files

DEFAULT	Flip_DSI_NGS_024LUP	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M
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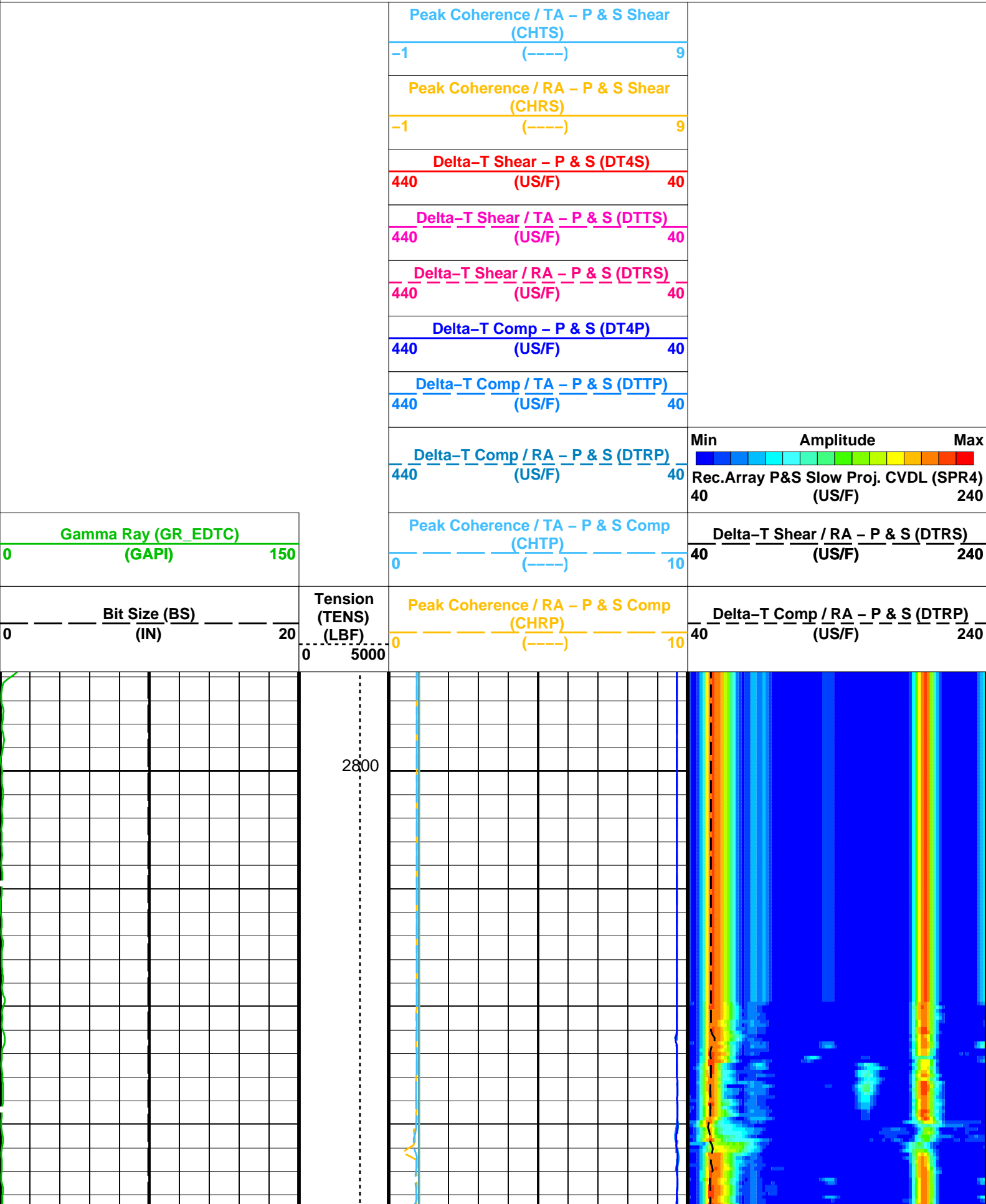
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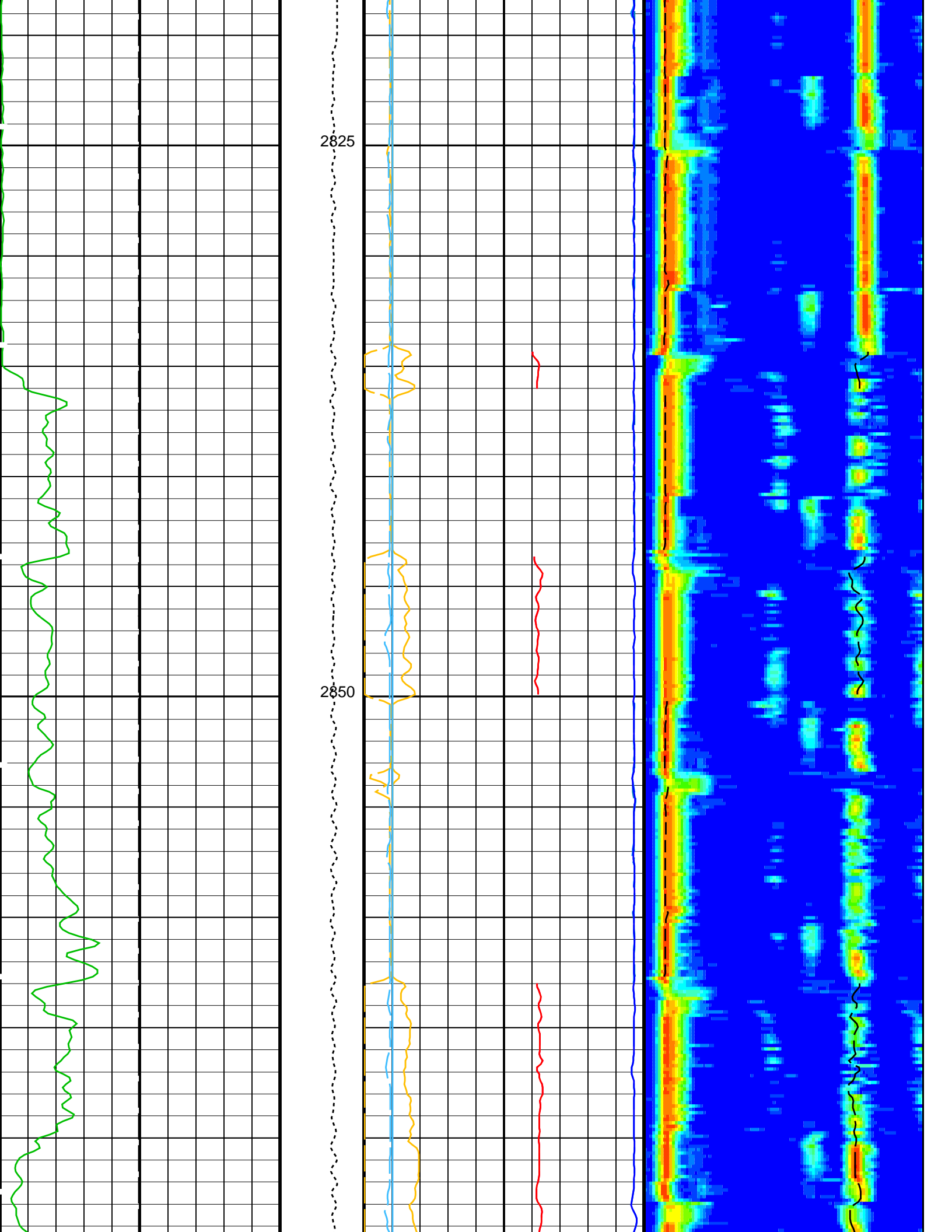
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RTB	DSI_NGS_025PUP	FN:23	PRODUCER	31-Mar-2024 01:47	3160.0 M	2795.8 M

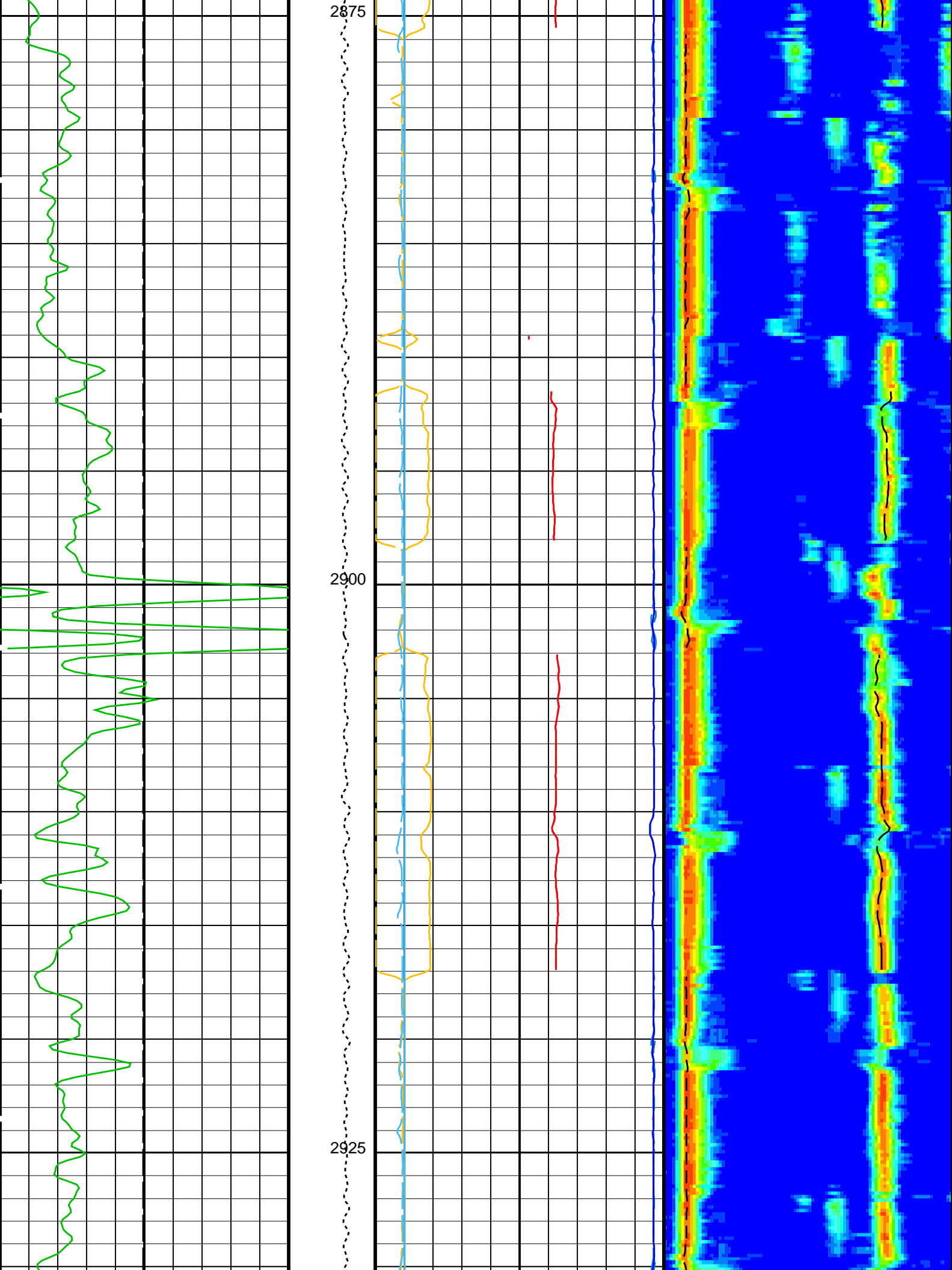
**OP System Version: 19C0-187**

PIP SUMMARY

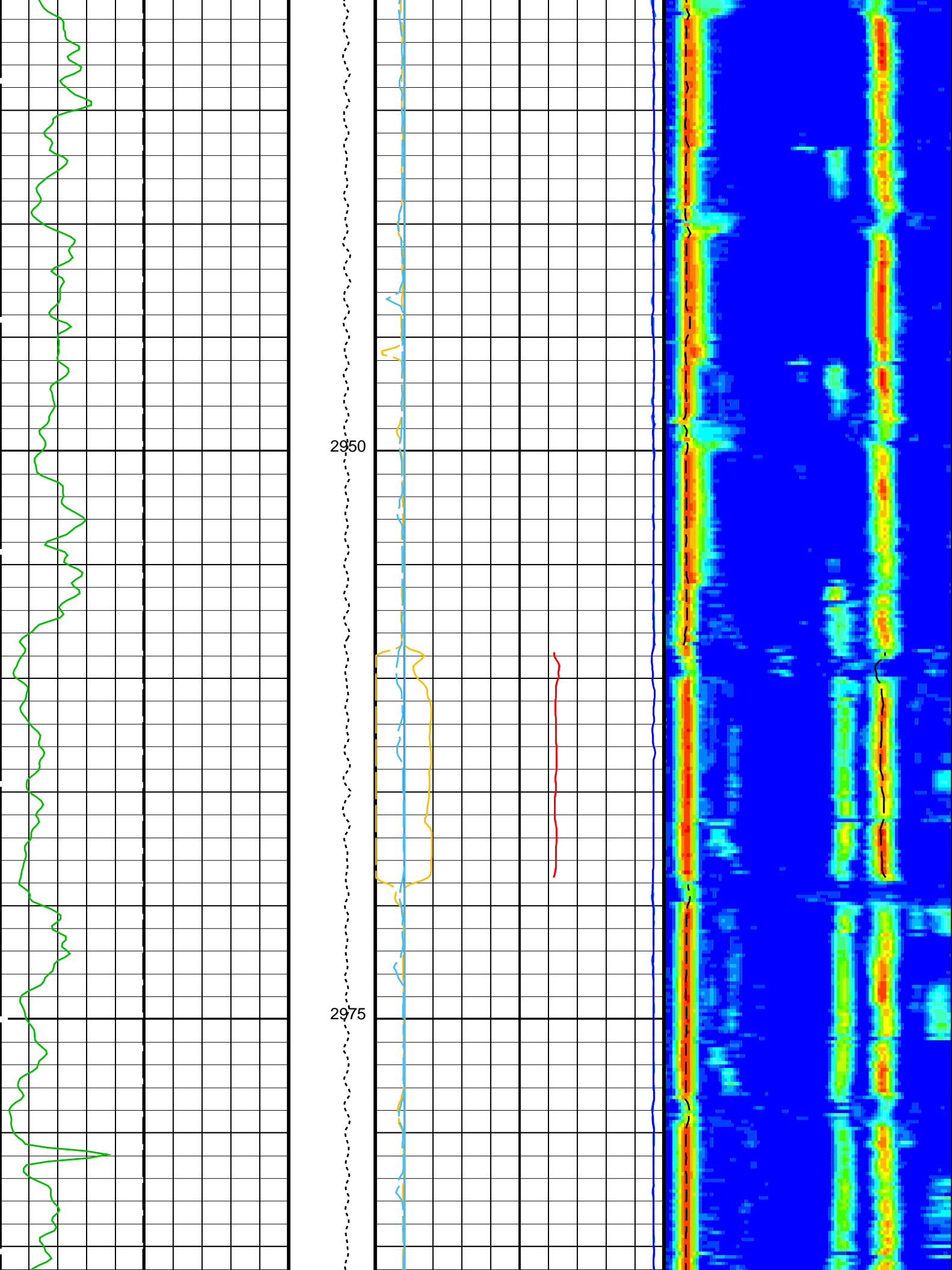
Time Mark Every 60 S

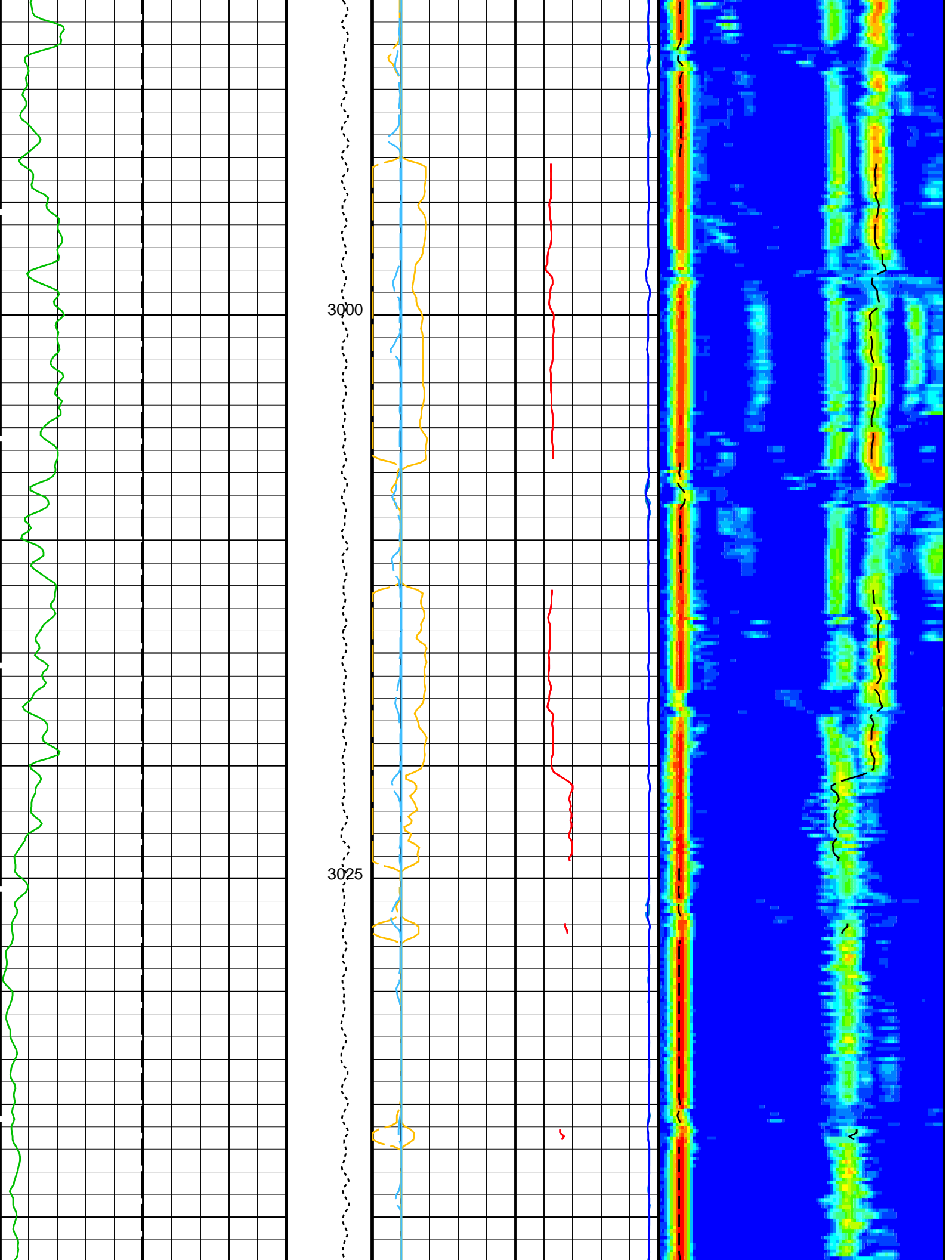


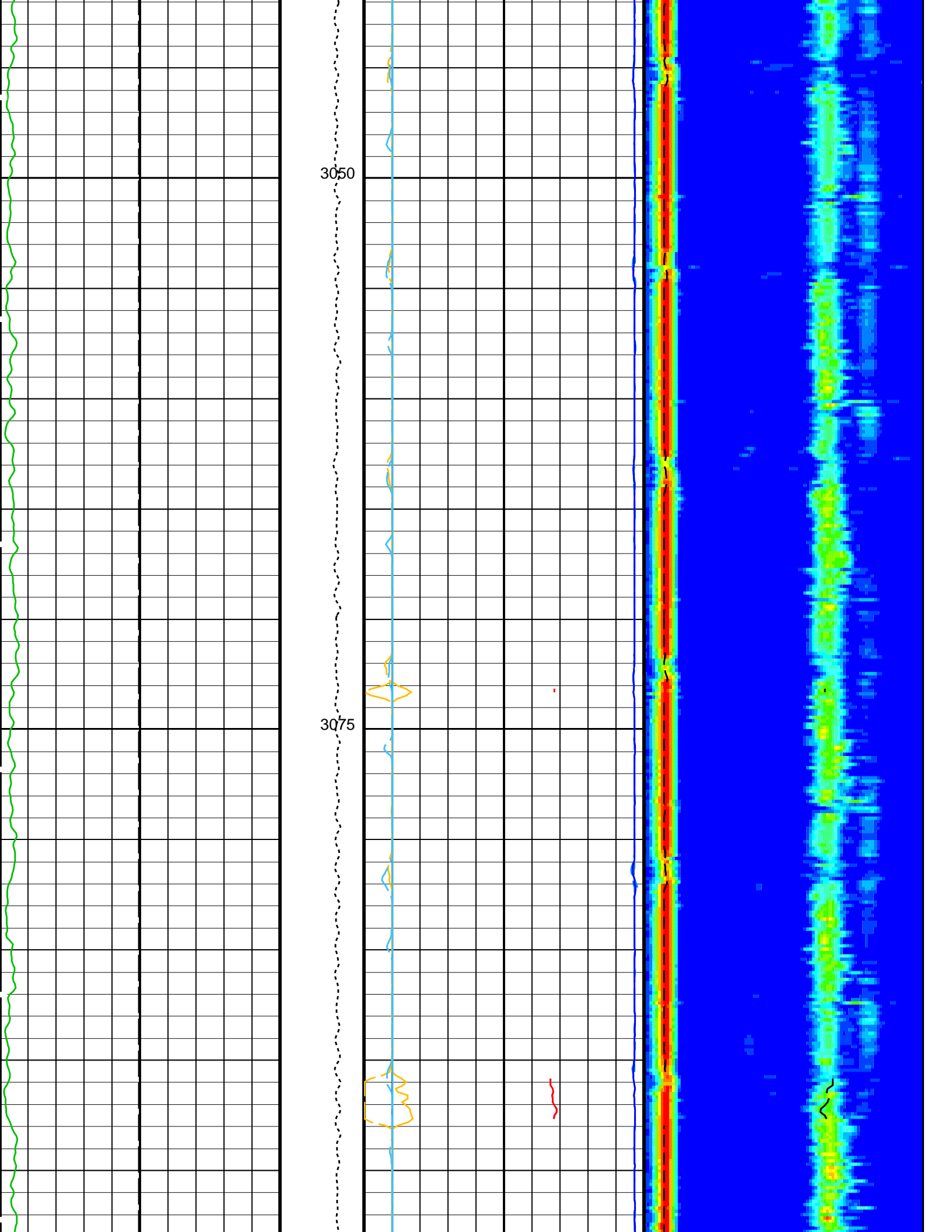


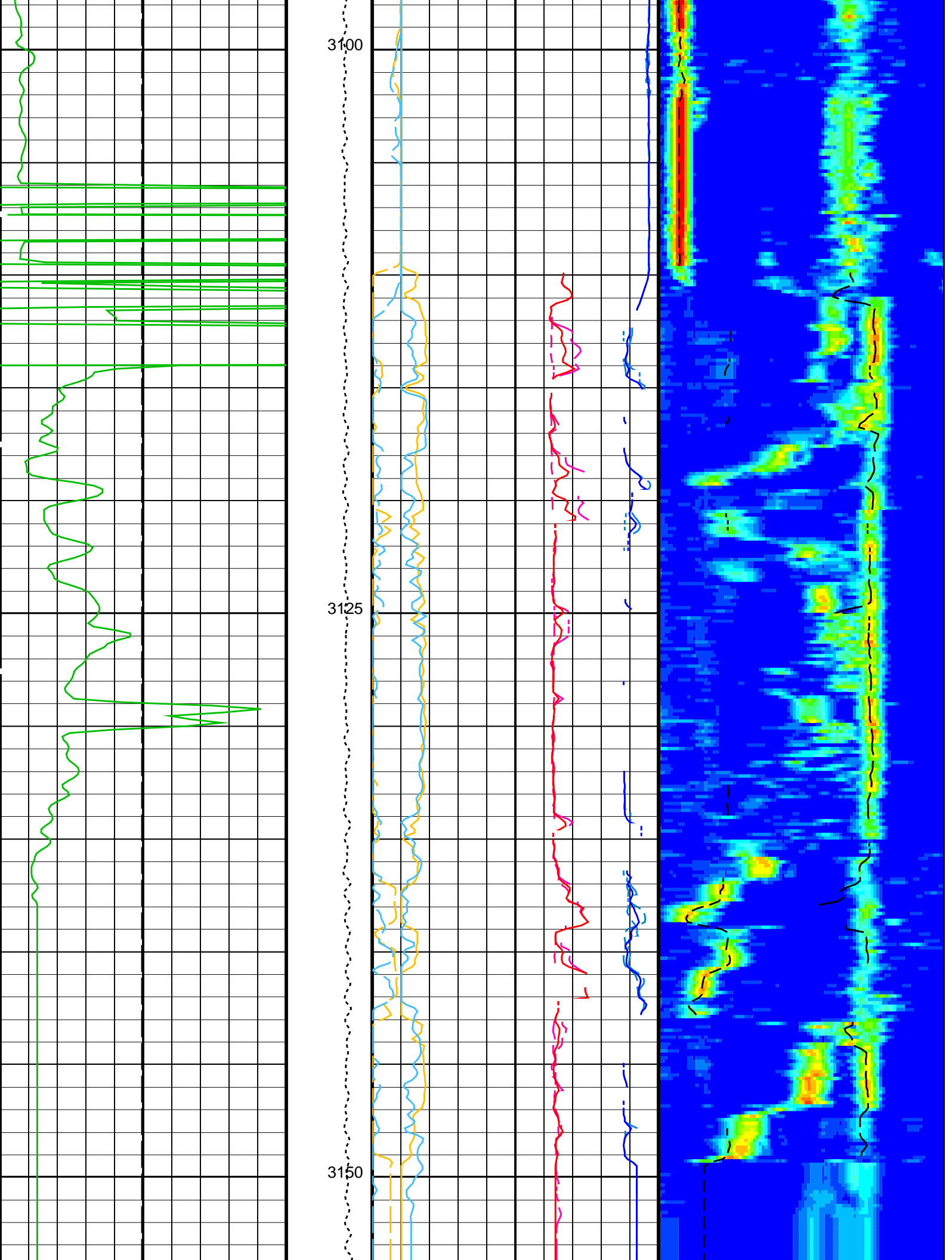


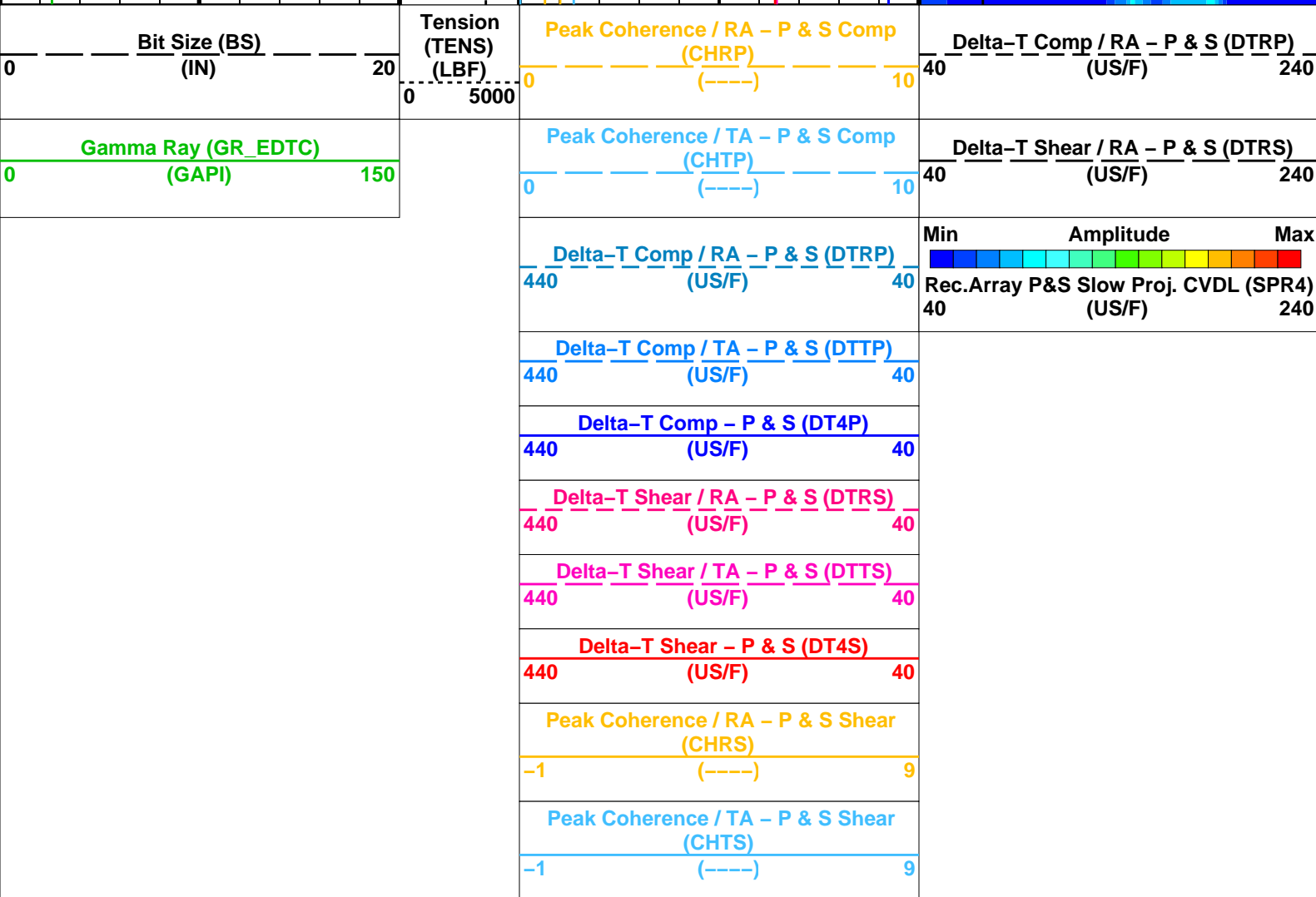












**Time Mark Every 60 S**

DLIS Name	Description	Value
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DSST-B: Dipole Shear Imager – B				
BHS	Borehole Status	OPEN		
CASF	Label Casing Function – Monopole P&S	50		
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	40	US/F	
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	90	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	212	US/F	
DWC4	Digitizer Word Count 4	512		
DWCX	Digitizer Word Count X	512		
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR		
LFC	Label Formation Character – Monopole P&S	DYNAMIC		
MCS	Mean Casing Slowness	57	US/F	
MTXG	Monopole Transmitter Geometry	186	IN	
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	ODD	
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	130	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	
	HNGS–BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
	EDTC–B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	


Format: DSST\_P\_S\_VDL\_COLOR

Vertical Scale: 1:200

Graphics File Created: 31–Mar–2024 01:47

OP System Version: 19C0–187					
DSST–B	19C0–187		HNGC–B	19C0–187	
HNGS–BA	19C0–187		EDTC–B	19C0–187	

Input DLIS Files					
DEFAULT	Flip_DSI_NGS_024LUP	PRODUCER	31–Mar–2024 01:47	3160.0 M	2795.8 M
Output DLIS Files					
DEFAULT	DSI_NGS_025PUP	FN:22	PRODUCER	31–Mar–2024 01:47	
RTB	DSI_NGS_025PUP	FN:23	PRODUCER	31–Mar–2024 01:47	



Uplod

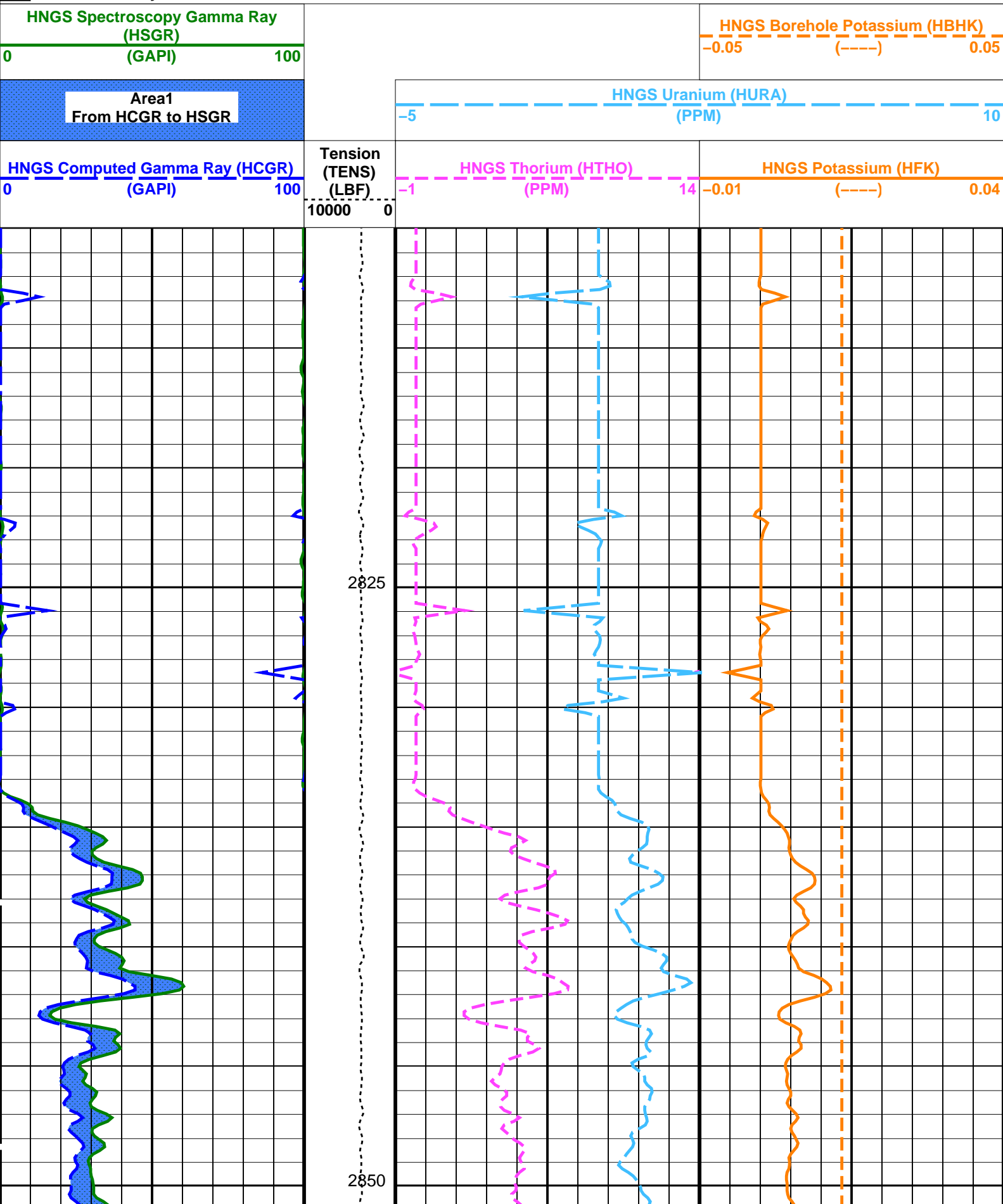
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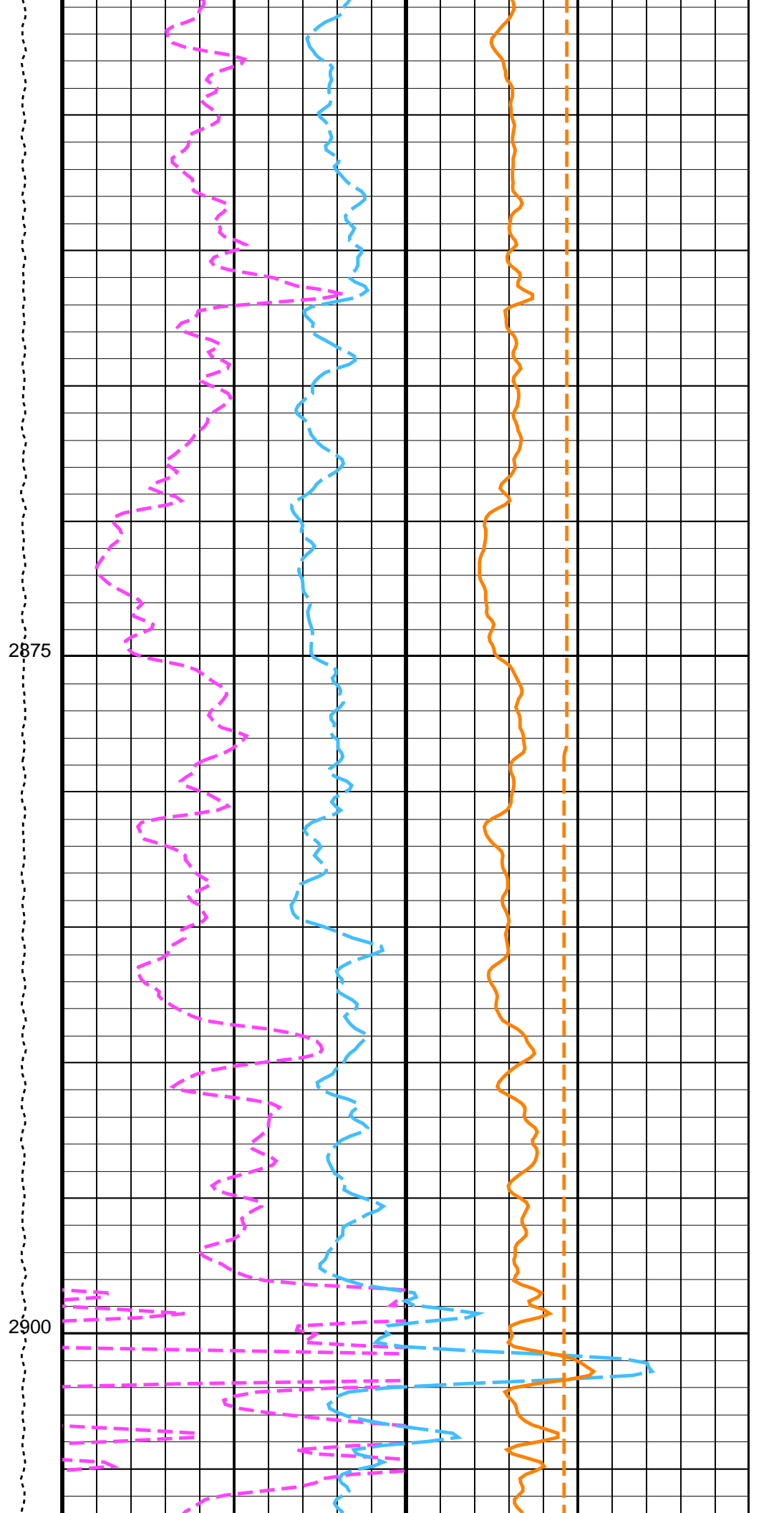
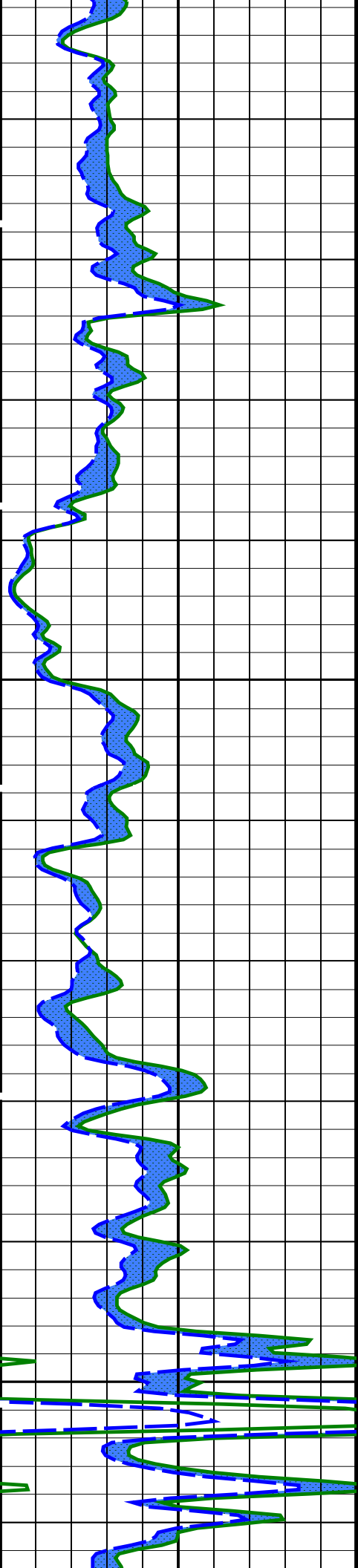
MAXIS Field Log

Output DLIS Files					
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RTB	DSI_NGS_023LUP	FN:21	PRODUCER	31–Mar–2024 00:57	3159.3 M 2810.3 M

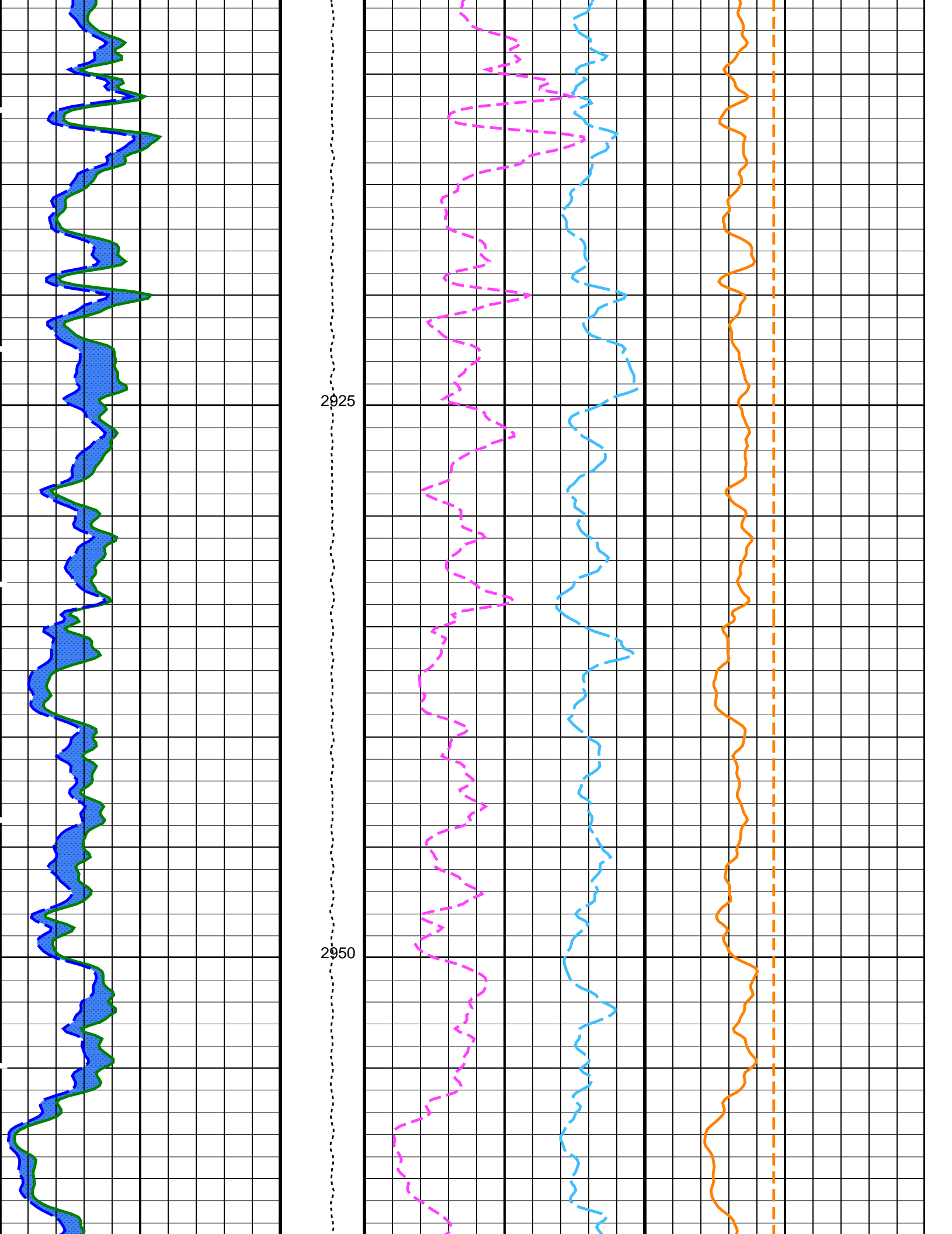
OP System Version: 19C0–187					
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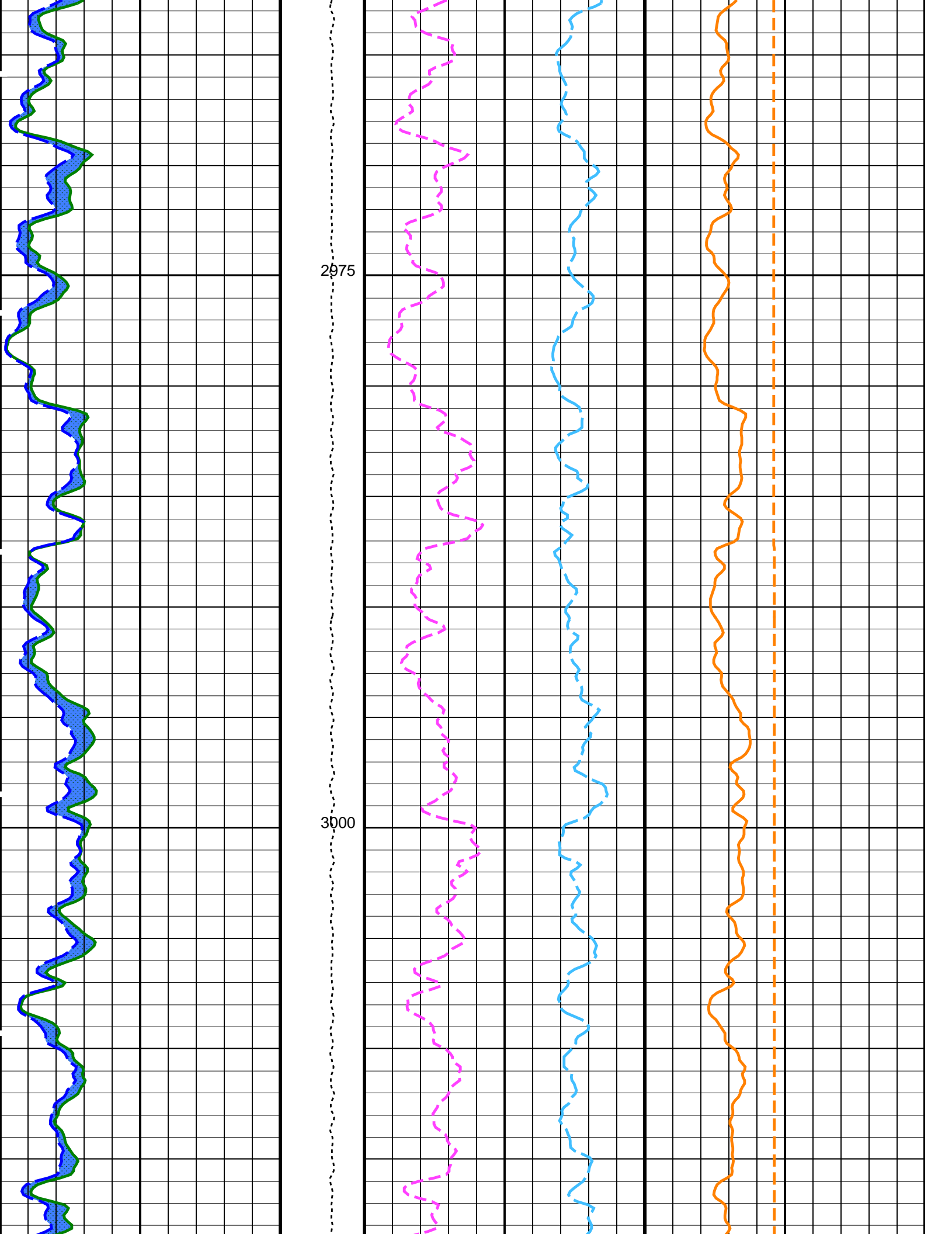
**Time Mark Every 60 S**

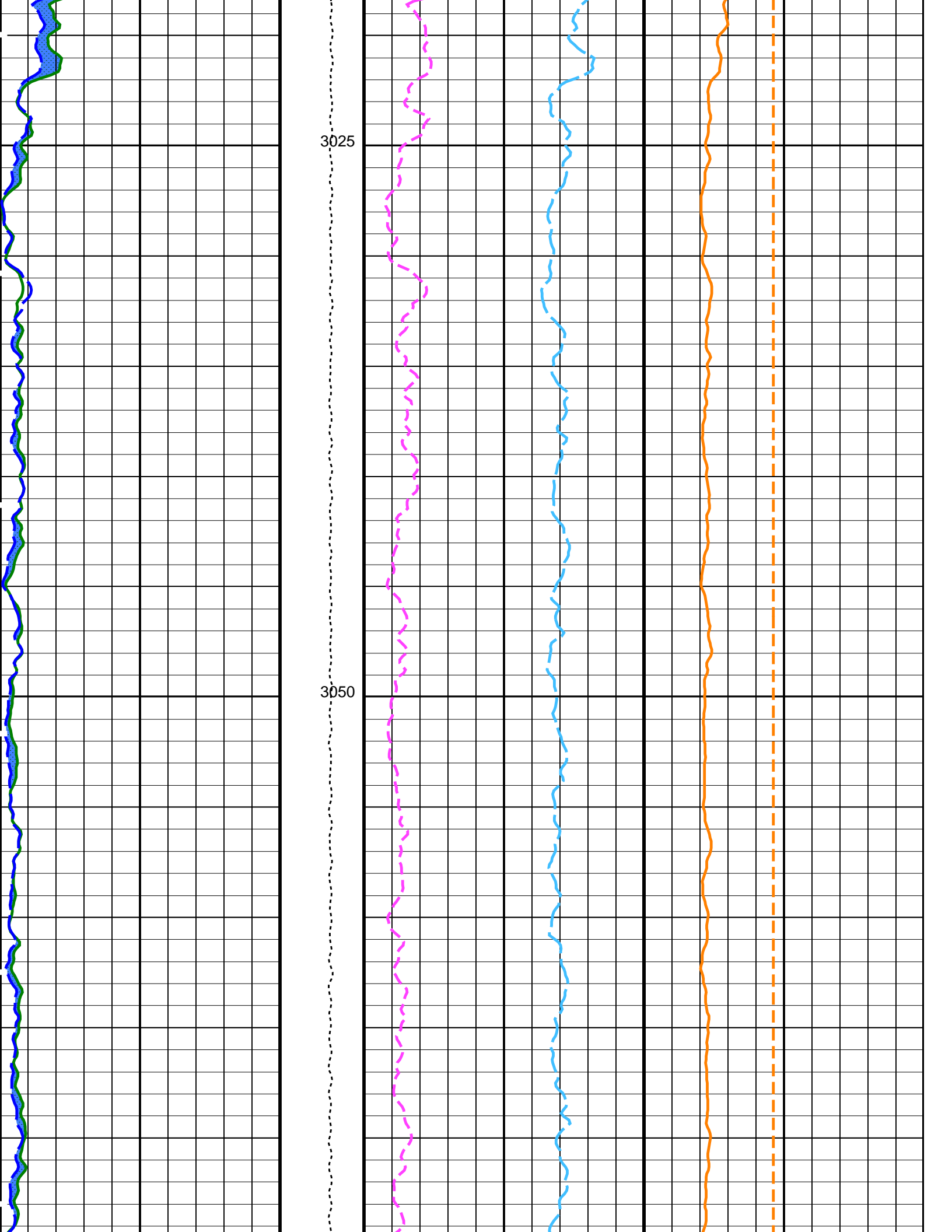


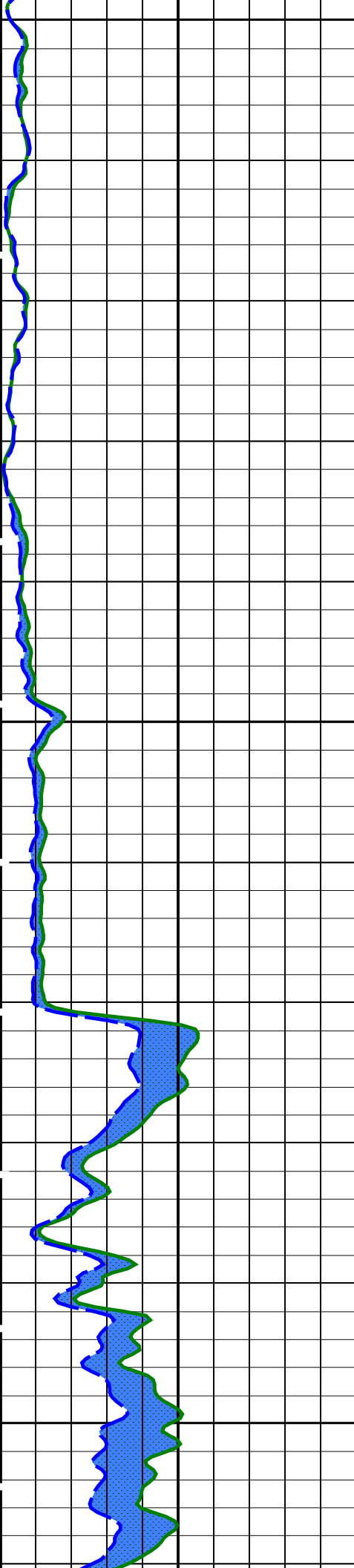








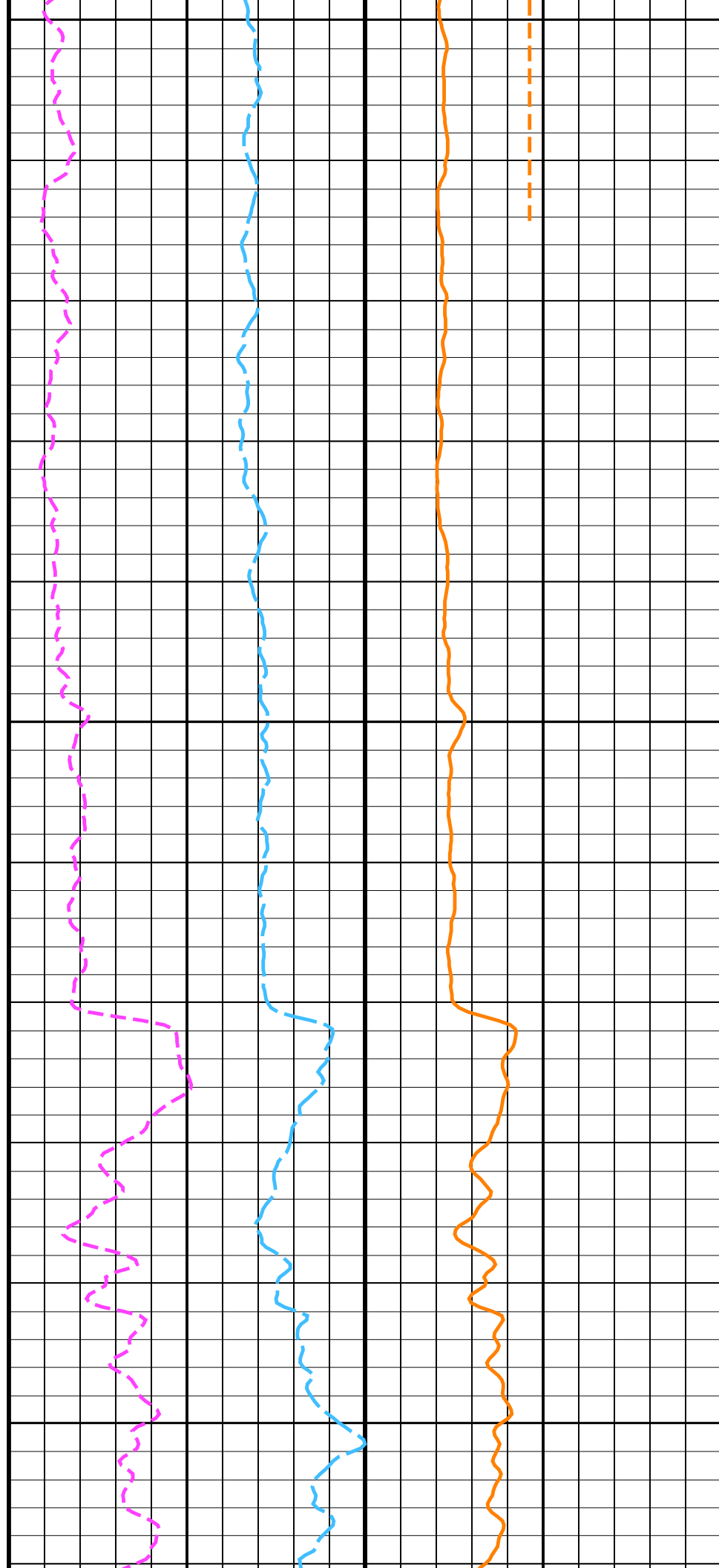


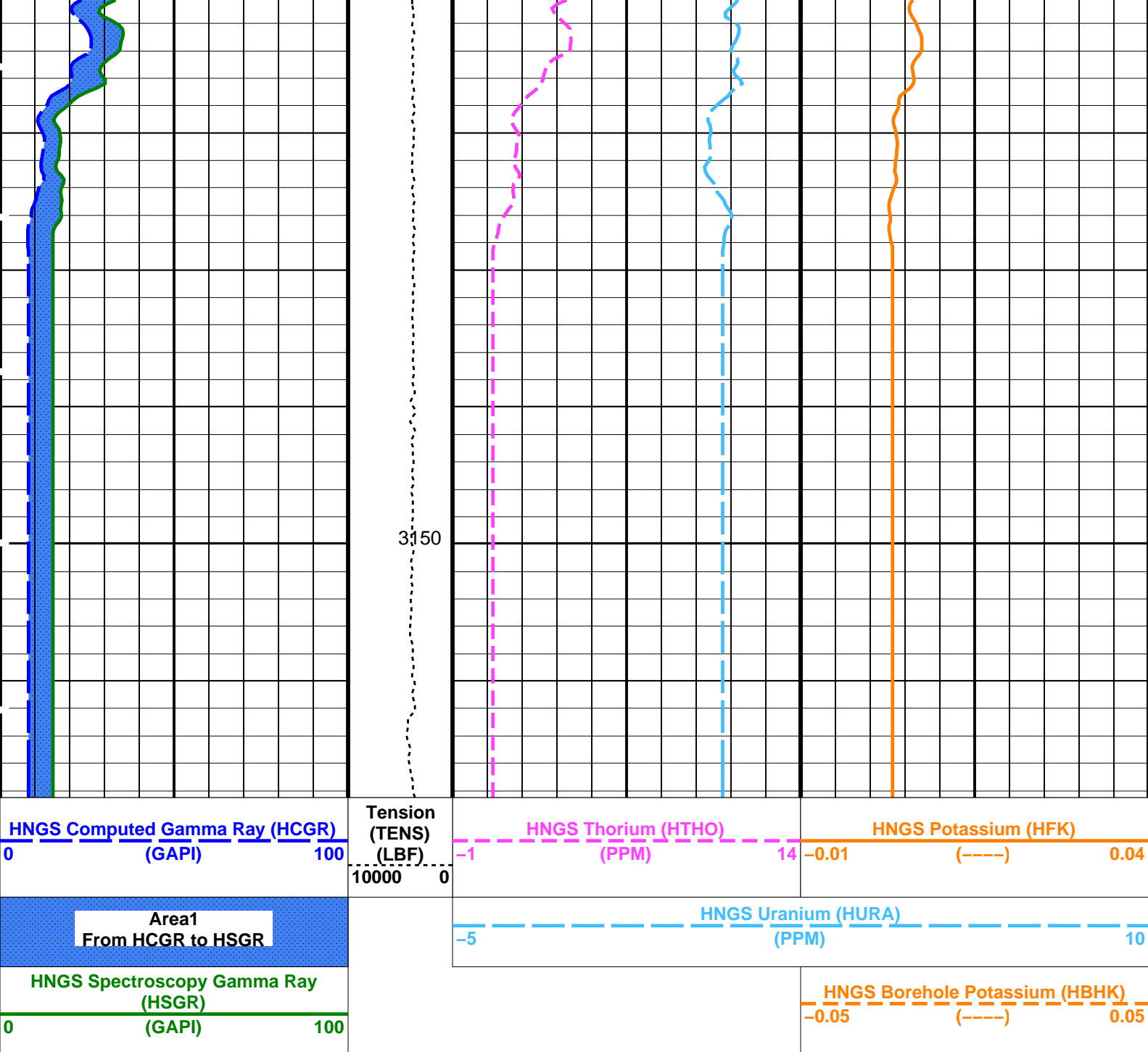


3075

3100

3125





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	
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	-0.00390377	
HALF	HNGS Alpha Filter Length	60	IN

HALE	HNGS Alpha Filter Length	0.00	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
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	0.983987	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.9509	
	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	1.02	G/C3

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 31-Mar-2024 00:57
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OP System Version: 19C0-187			
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

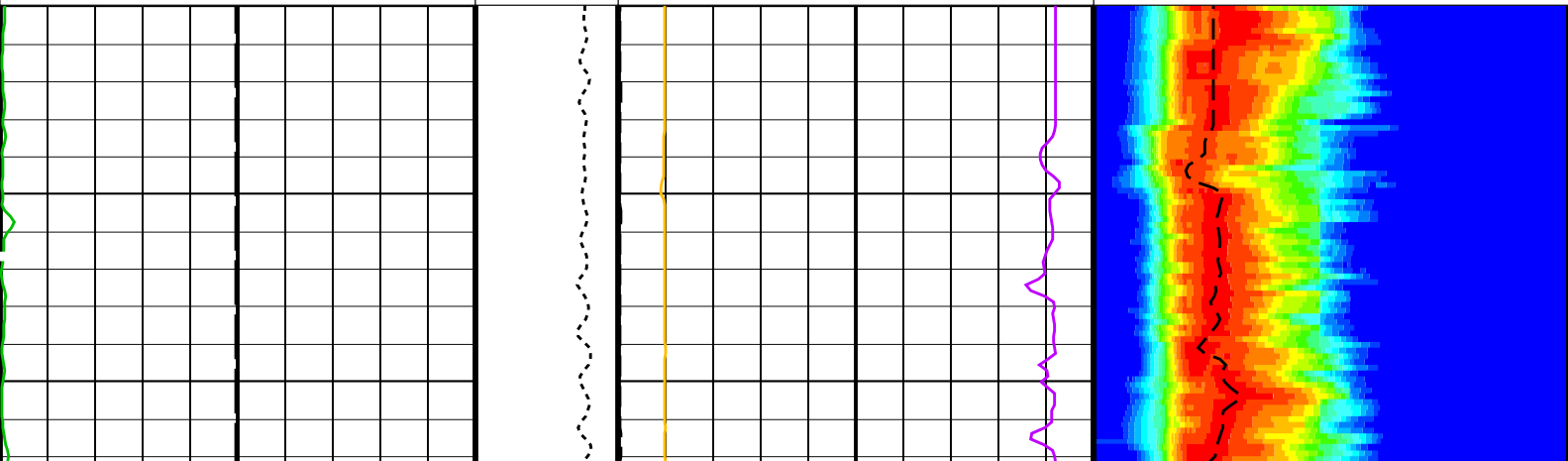
Output DLIS Files					
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RTB	DSI_NGS_023LUP	FN:21	PRODUCER	31-Mar-2024 00:57	

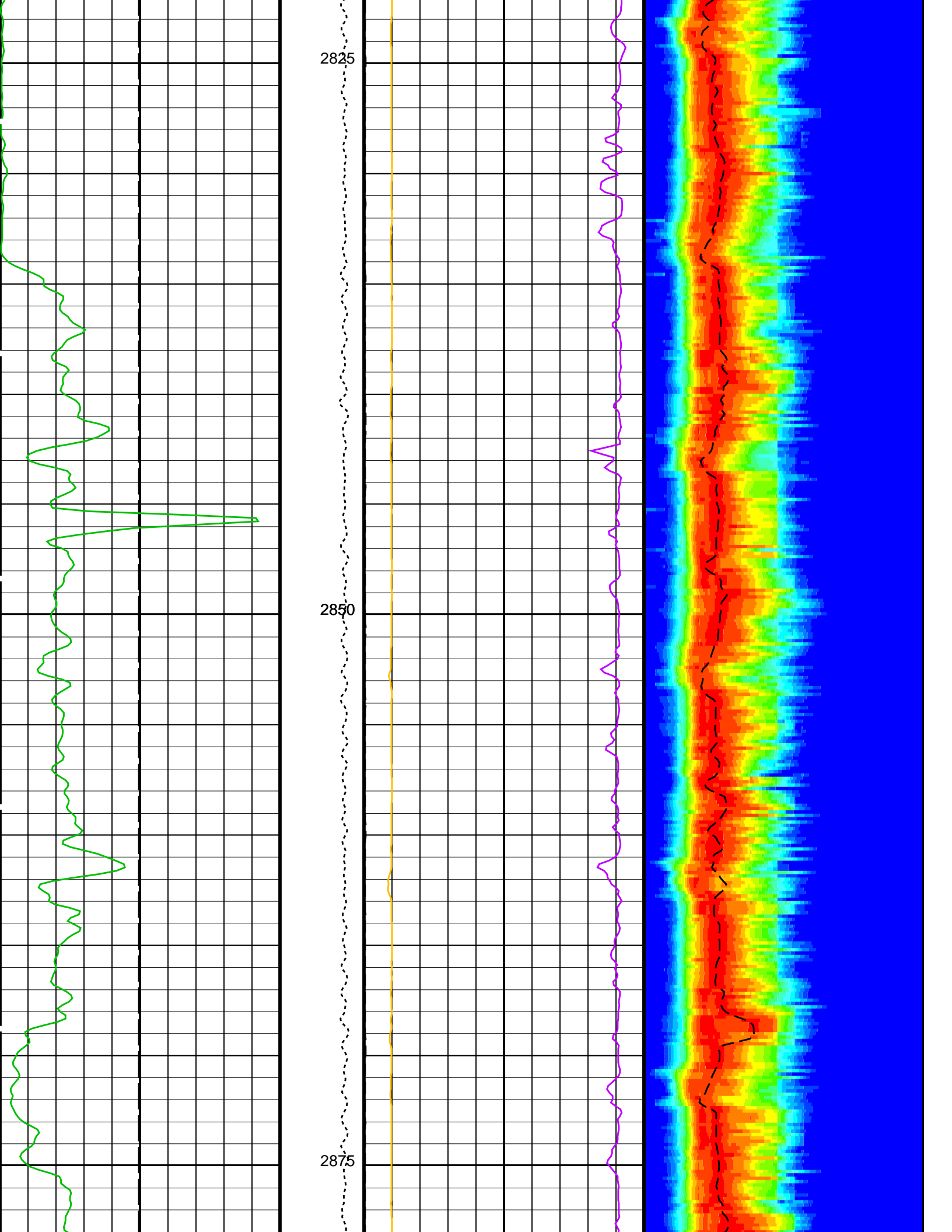
Output DLIS Files					
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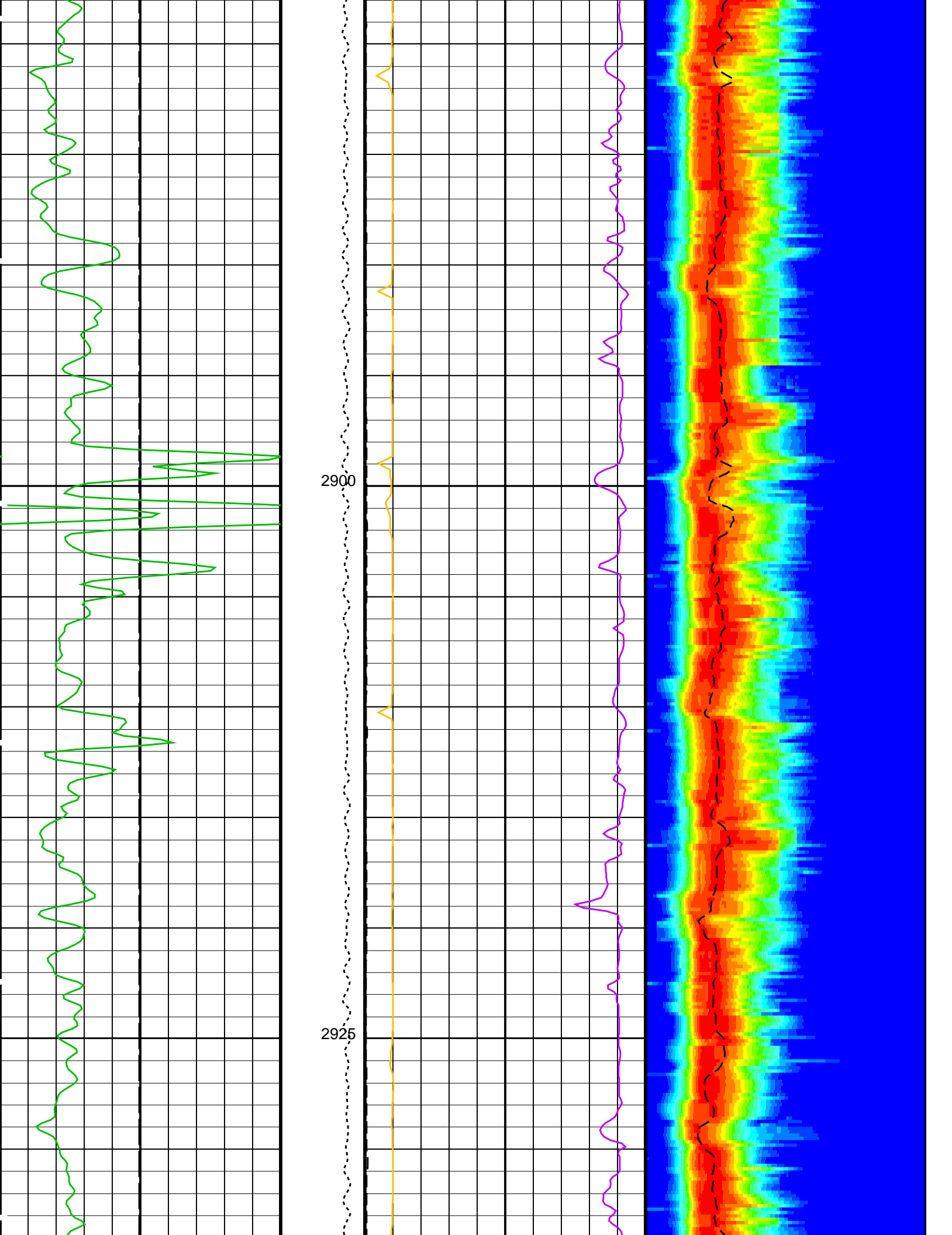
OP System Version: 19C0-187			
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

PIP SUMMARY	
Time Mark Every 60 S	

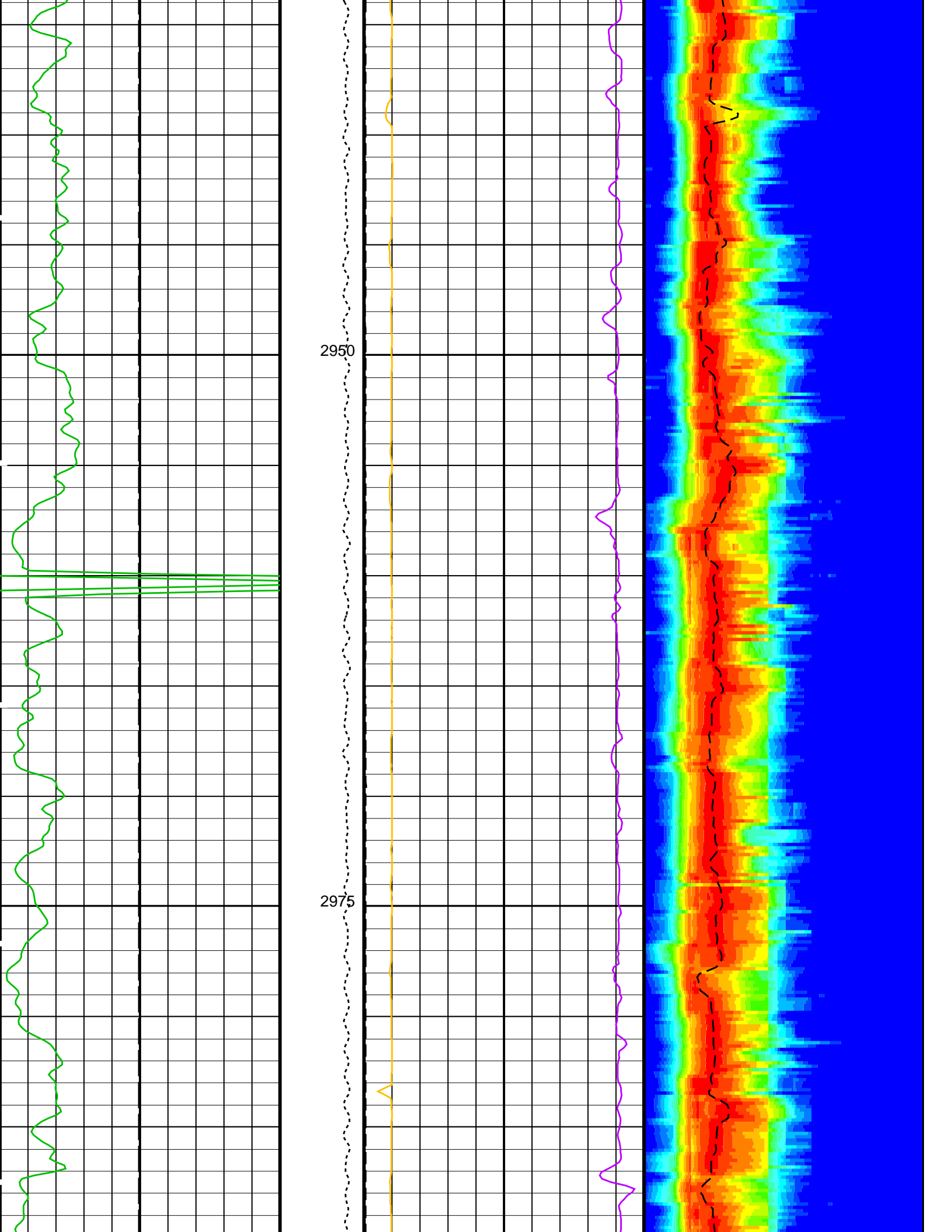
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		1000	6000		
Gamma Ray (GR_EDTC) (GAPI)		SAM1 Waveform Gain (WFG1) (----)		Min Amplitude Max	
0 150		0 1000		Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	
Bit Size (BS) (IN)		Peak Coherence / RA - Lower Dipole (CHR1) (----)		Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)	
0 20		0 10		75 1200	
Tension (TENS) (LBF)					
0 5000					

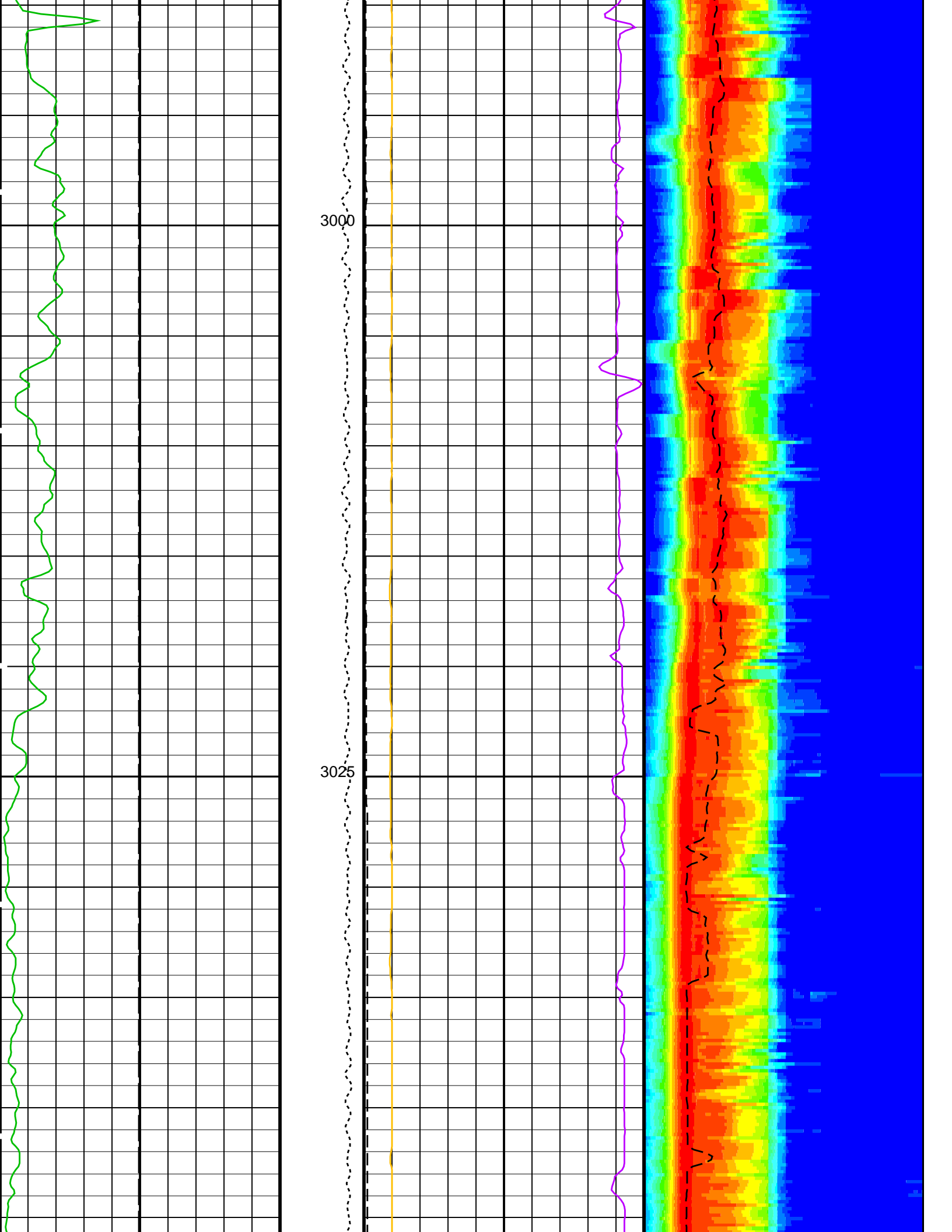


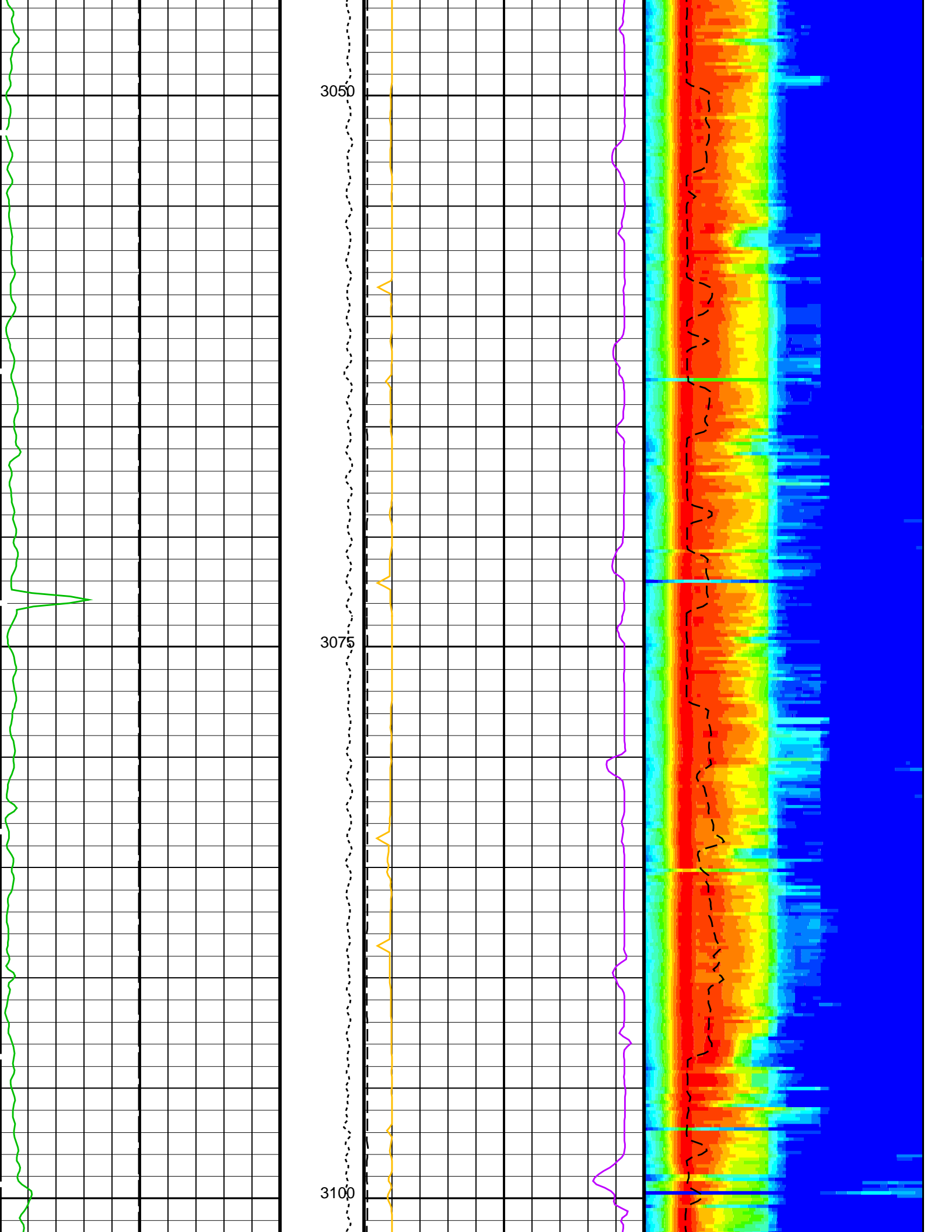


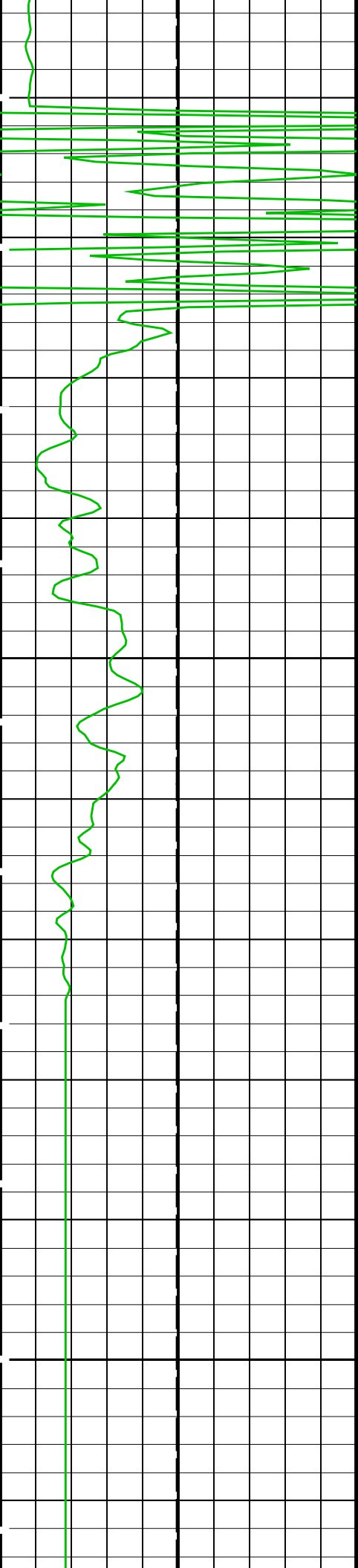






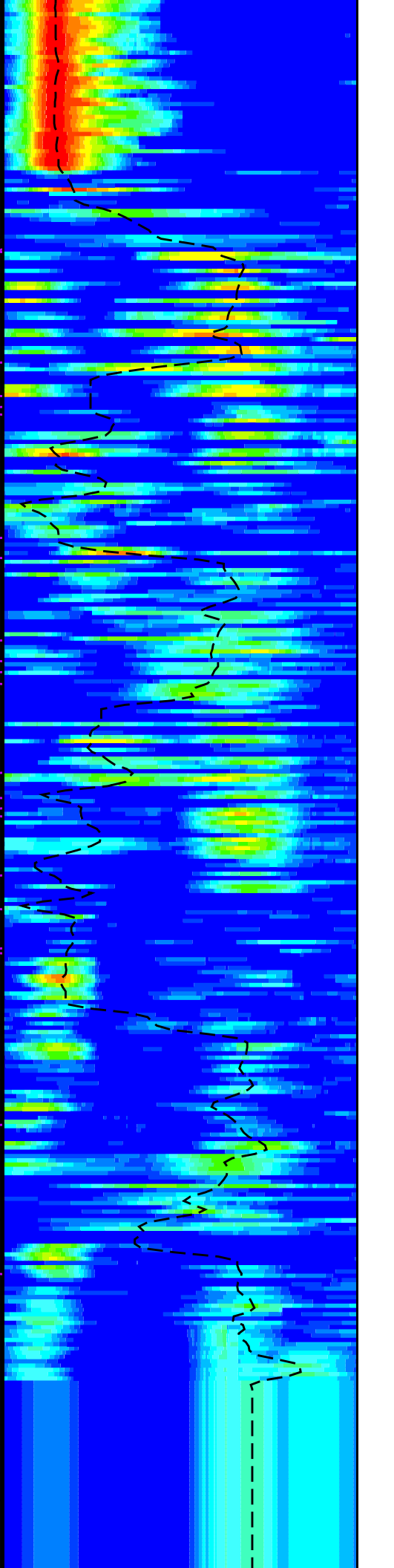
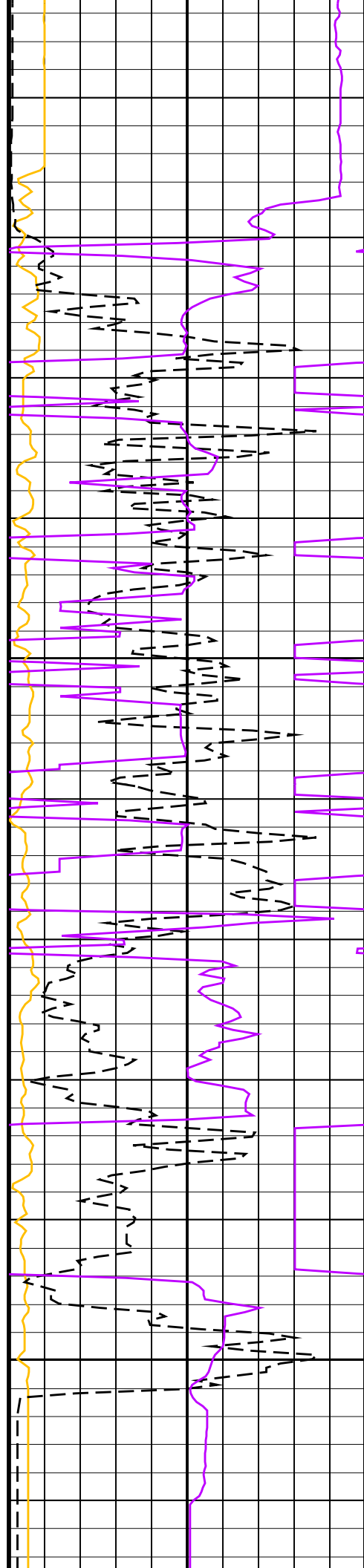


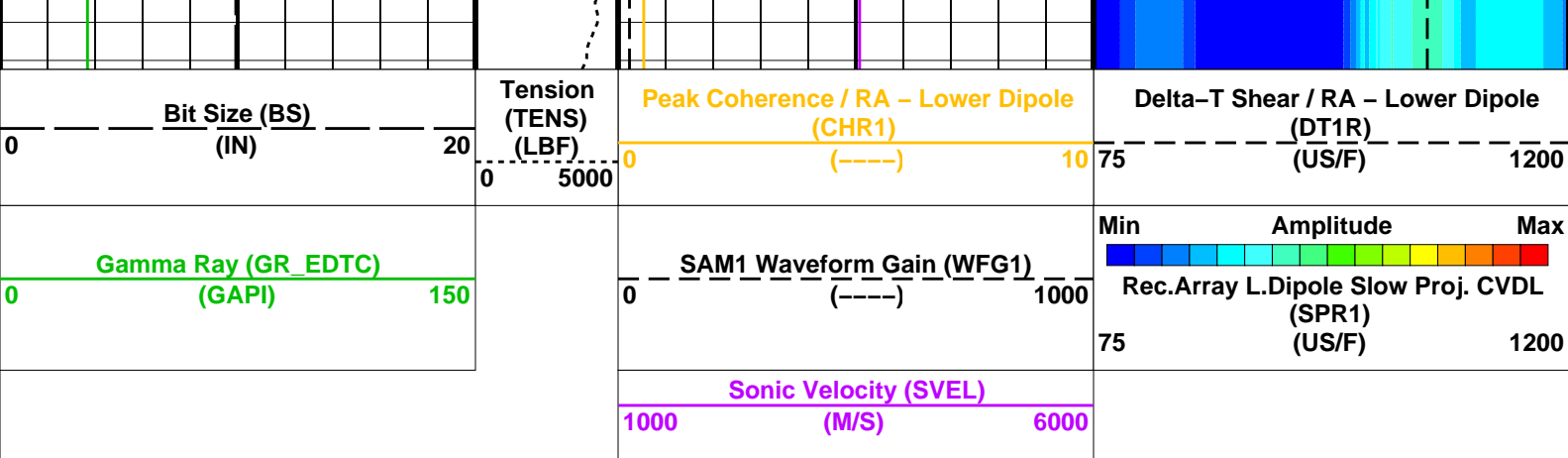




3125

3150





#### PIP SUMMARY

Time Mark Every 60 S

### Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
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	130 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
DTC5	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
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	1400 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	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
System and Miscellaneous		
BS	Bit Size	9.875 IN

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR Vertical Scale: 1:200 Graphics File Created: 31-Mar-2024 00:57

### OP System Version: 19C0-187

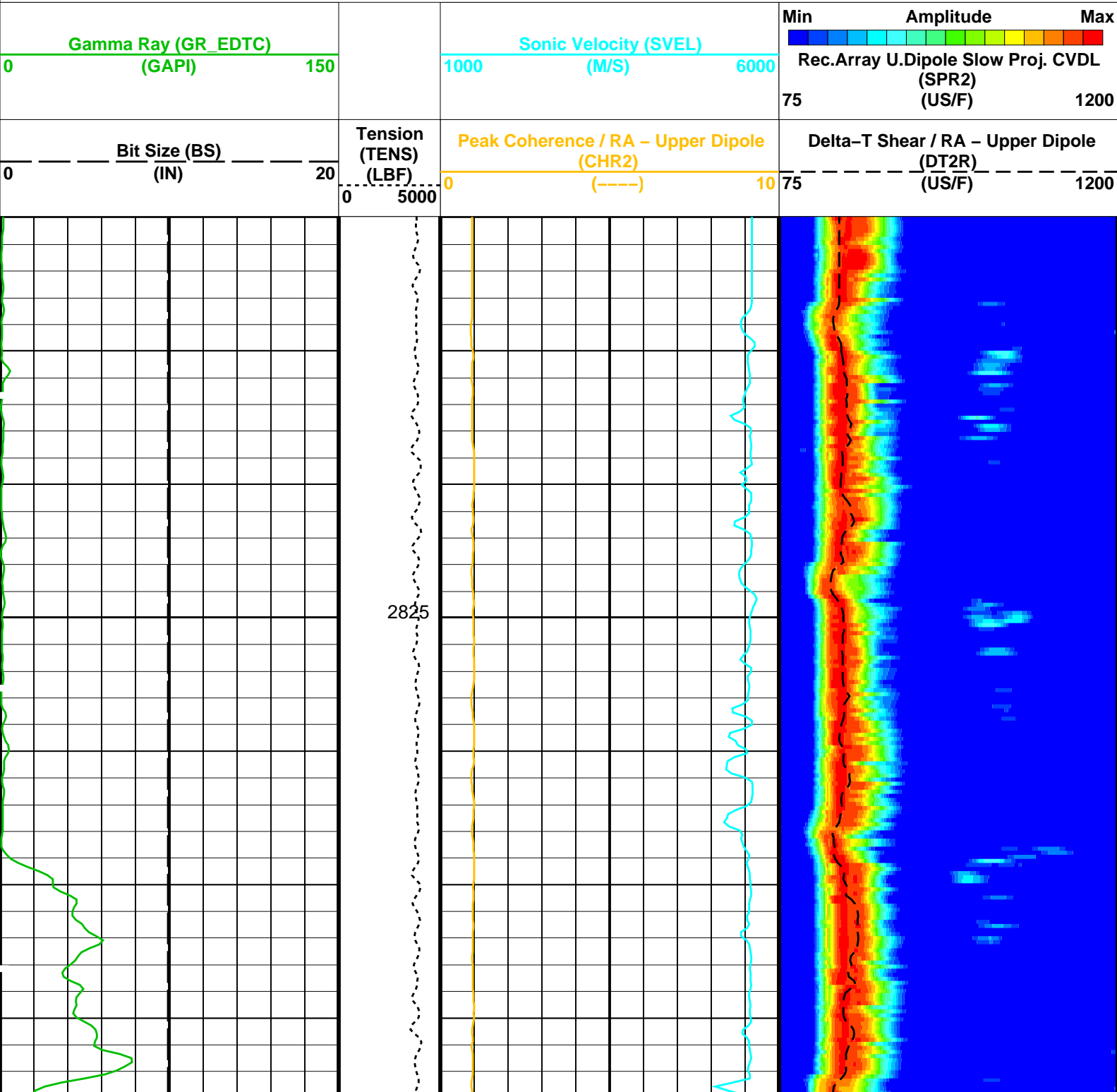
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

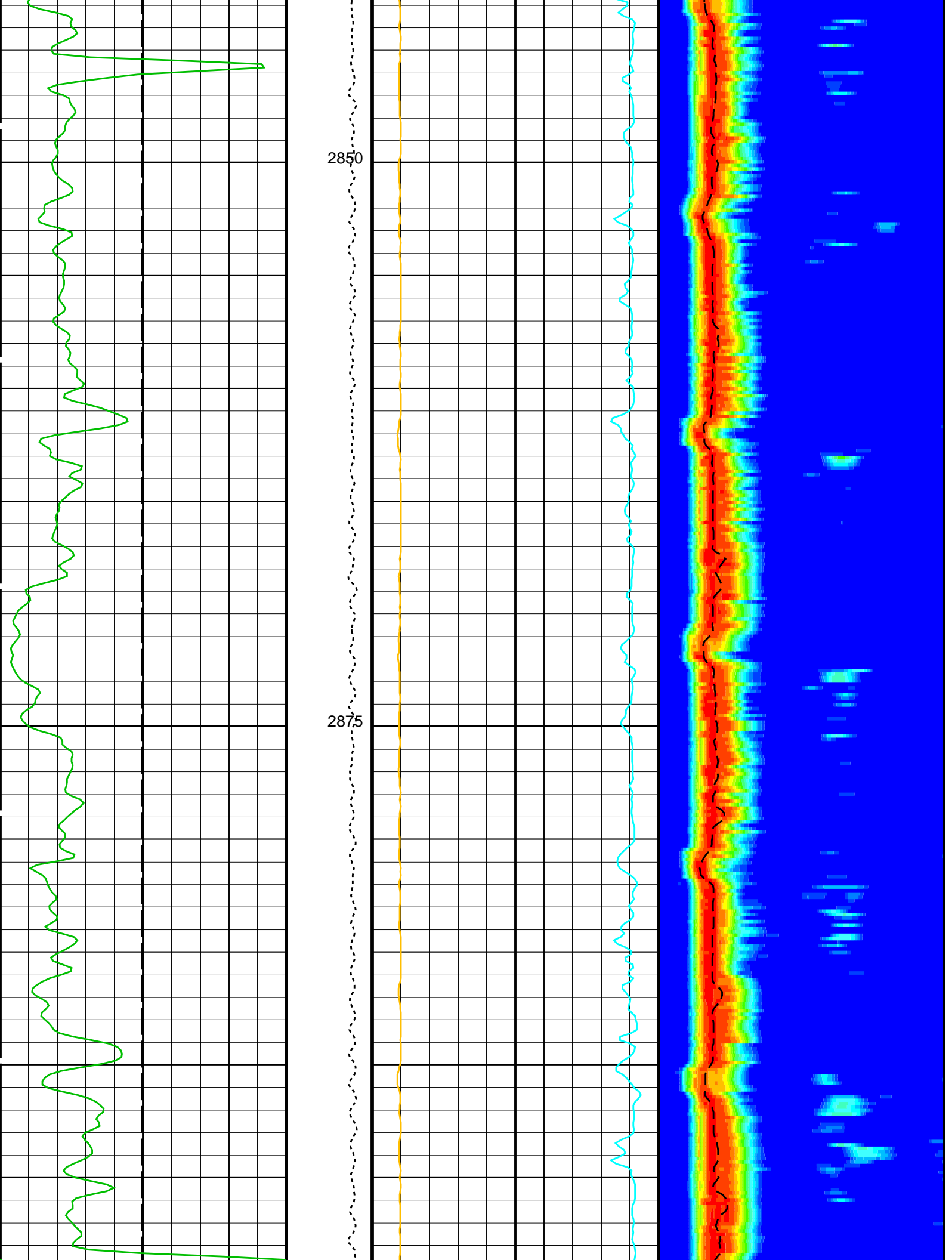
### Output DLIS Files

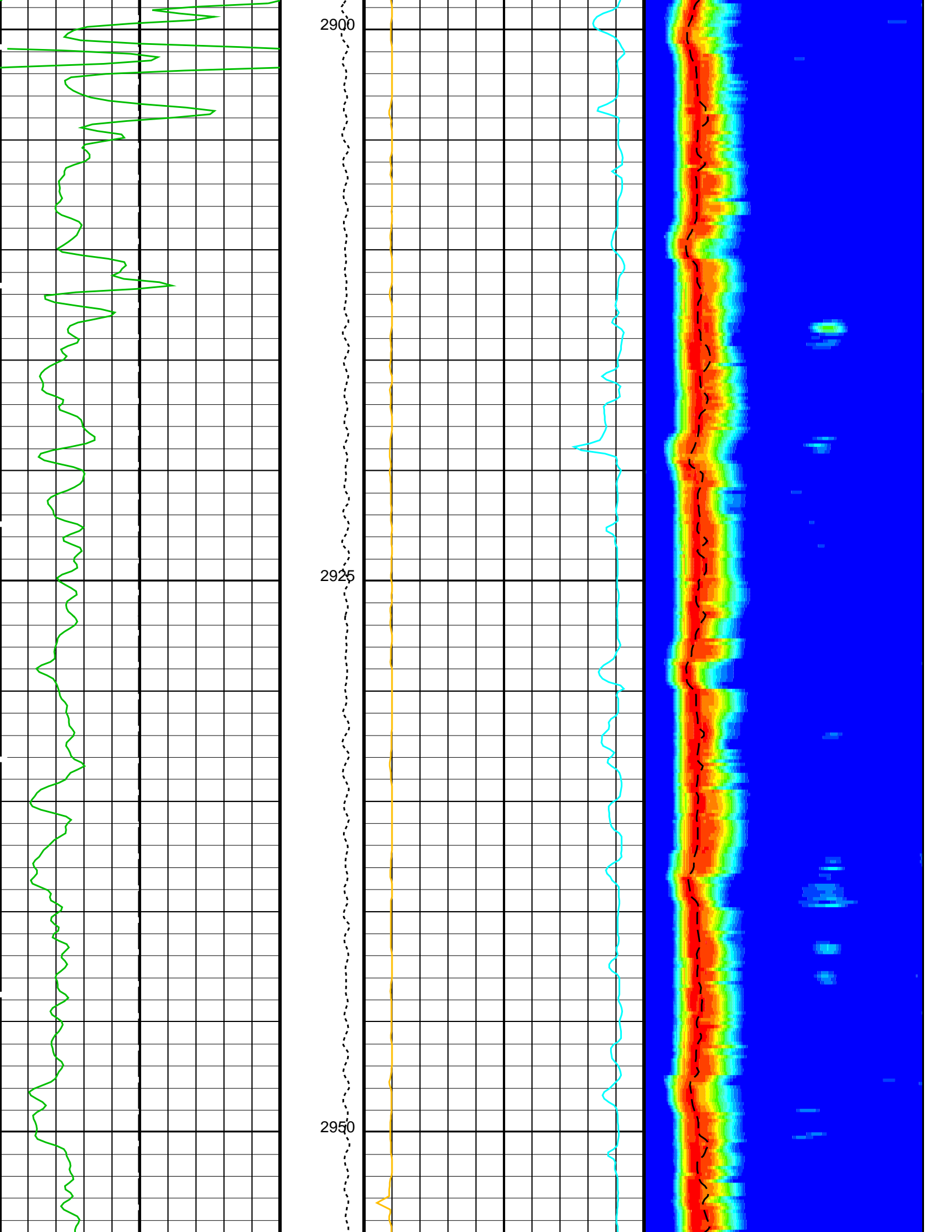
Output DLIS Files						
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RTB	DSI_NGS_023LUP	FN:21	PRODUCER	31-Mar-2024 00:57	3159.3 M	2810.3 M

OP System Version: 19C0-187						
DSST-B	19C0-187	HNGC-B		19C0-187		
HNGS-BA	19C0-187	EDTC-B		19C0-187		

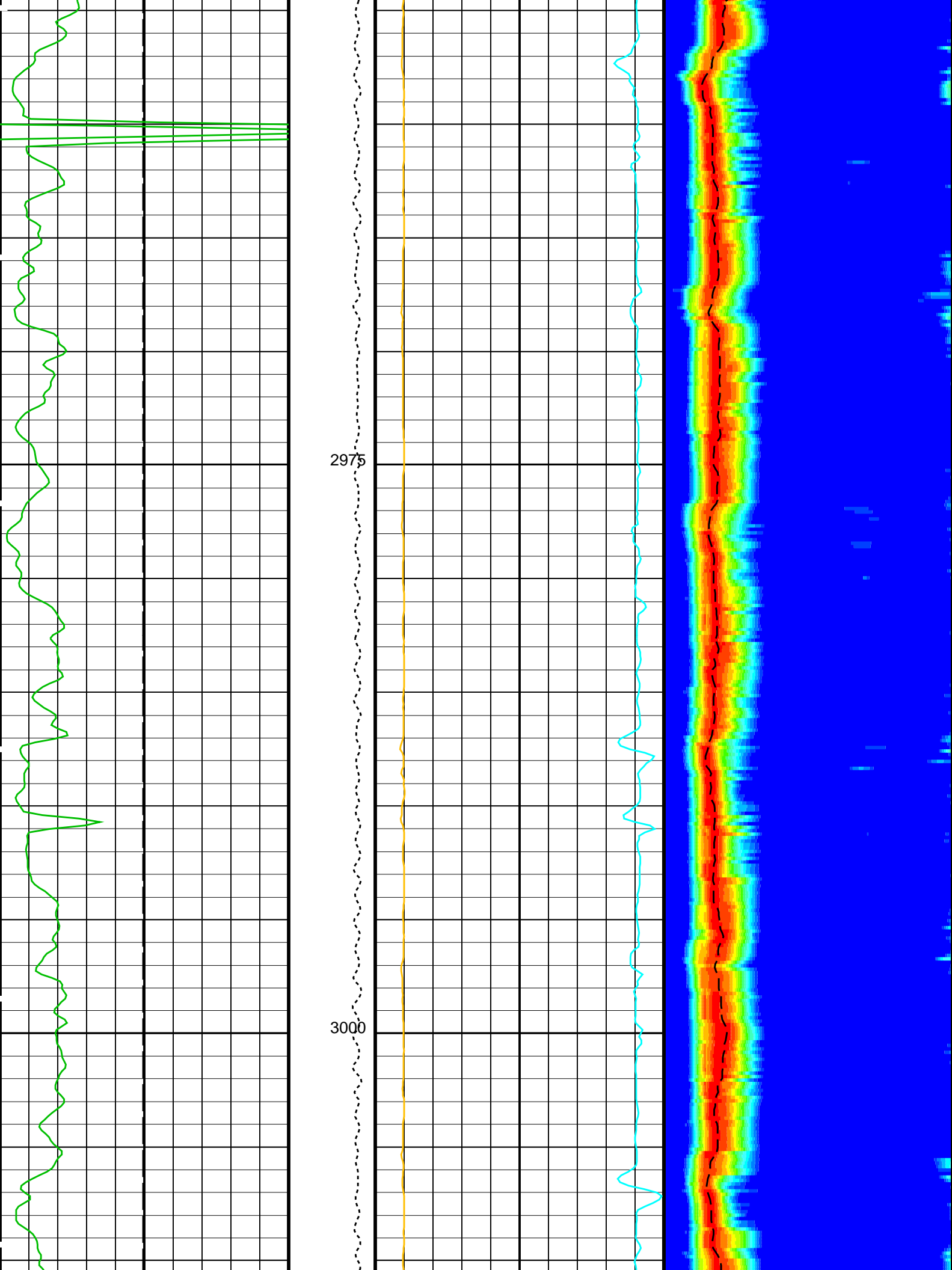
PIP SUMMARY						
Time Mark Every 60 S						

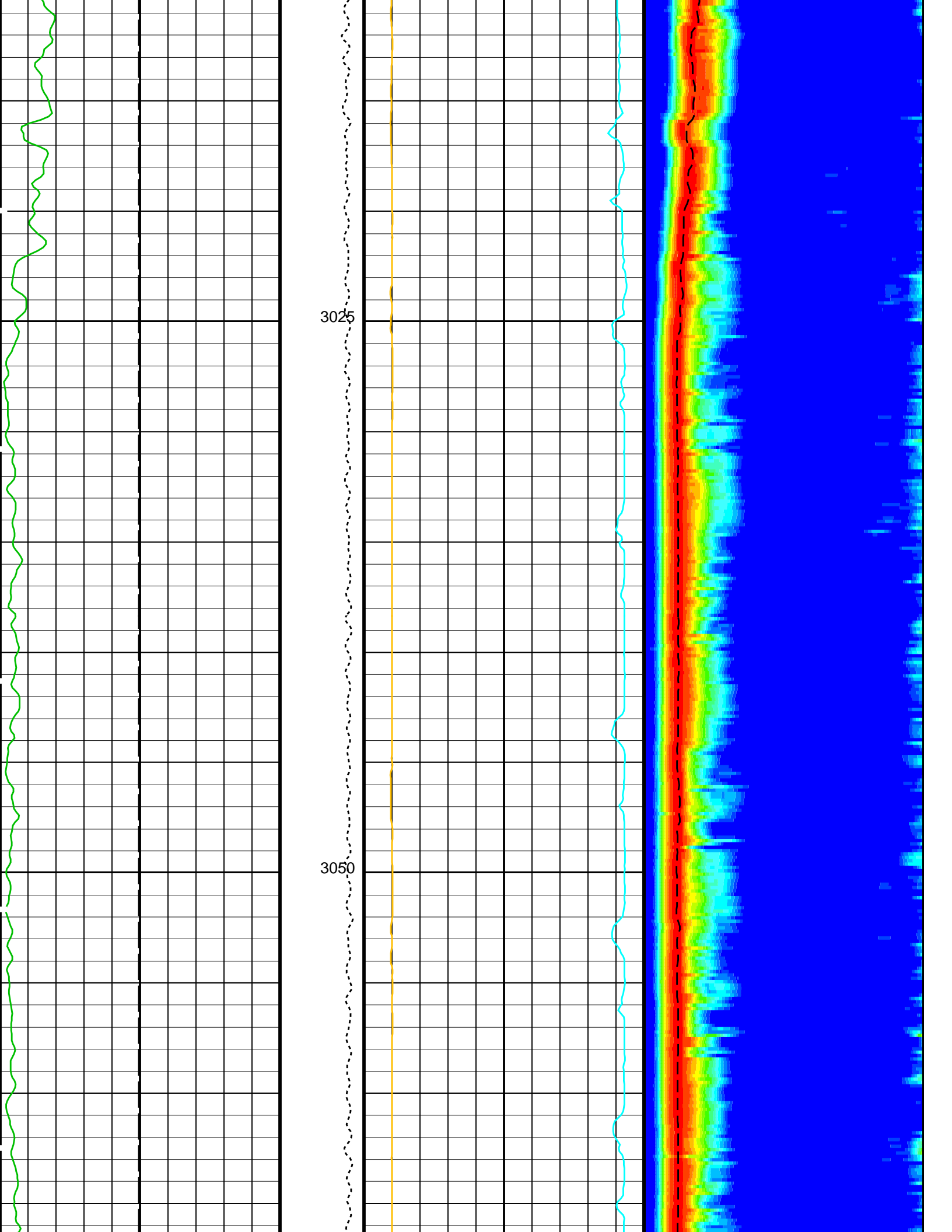


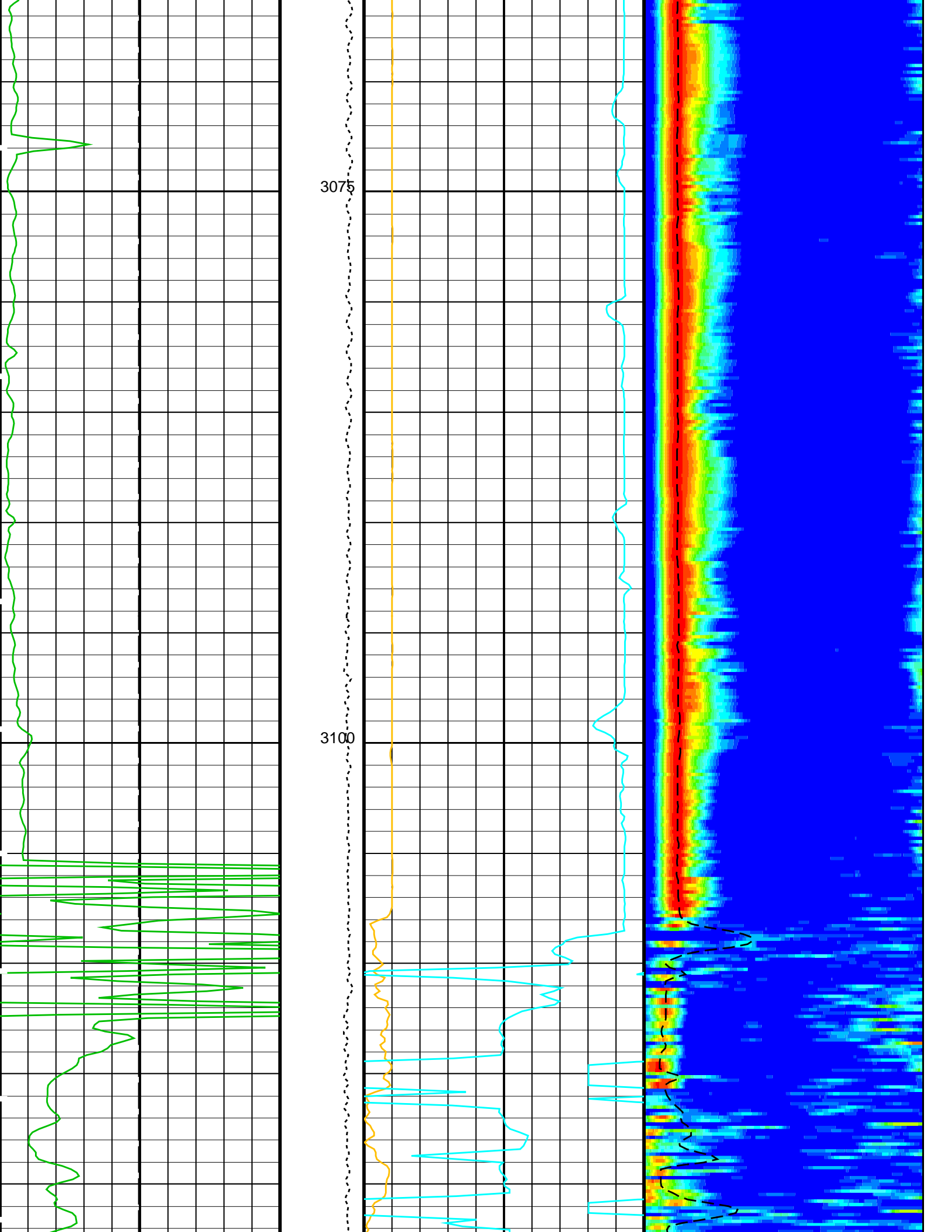


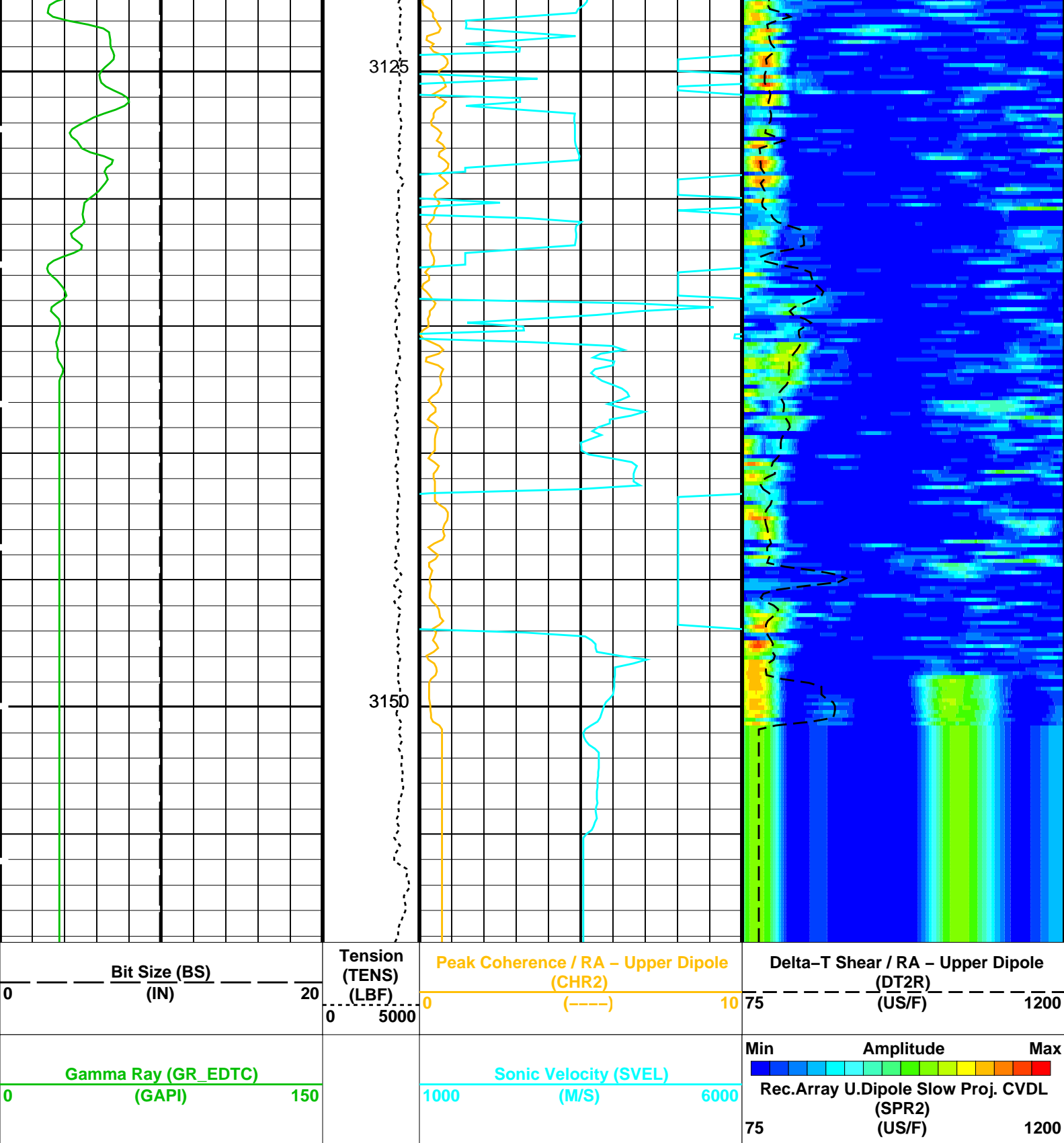












PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
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	130 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIY	Digitizer Sample Interval Y	40 US

DSIX	Digitizer Sample Interval X	40	US
DTCS	Digitizer Word Count 2	512	
DWC2	Digitizer Word Count X	512	
DWCX	Number Waveform Items 2	8	
NWI2	Number Waveform Items X	0	
NWIX	Receiver 1 Geometry	294	IN
RX1G	Receiver 2 Geometry	300	IN
RX2G	Receiver 3 Geometry	306	IN
RX3G	Receiver 4 Geometry	312	IN
RX4G	Receiver 5 Geometry	318	IN
RX5G	Receiver 6 Geometry	324	IN
RX6G	Receiver 7 Geometry	330	IN
RX7G	Receiver 8 Geometry	336	IN
RX8G	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAM2	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAMX		255	
SAS2	STC Sonic Array Status – Upper Dipole	3000	US
SBO2	STC Search Band Offset – Upper Dipole	8000	US
SBW2	STC Search Bandwidth – Upper Dipole	SELECTABLE	
SFC2	STC Formation Character – Upper Dipole	B1–2K	
SFM2	STC Filter – Upper Dipole	40	US/F
SLL2	STC Slowness Lower Limit – Upper Dipole	4	US/F
SST2	STC Slowness Step – Upper Dipole	WF_SAM2	
SSW2	STC Source Waveform – Upper Dipole	1400	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	40	US/F
SWD2	STC Slowness Width – Upper Dipole	0	US
TBF2	STC Time for Baseline Fill – Upper Dipole	600	US
TLL2	STC Time Lower Limit – Upper Dipole	200	US
TST2	STC Time Step – Upper Dipole	20440	US
TUL2	STC Time Upper Limit – Upper Dipole	2000	US
TWD2	STC Time Width – Upper Dipole	1600	US
TWI2	STC Integration Time Window – Upper Dipole	0	
TWSX	Transmitter Waveform Select X	162	IN
UTXG	Upper Dipole Transmitter Geometry		
System and Miscellaneous			
BS	Bit Size	9.875	IN

Format: DSST\_UPPER\_DIPOLE\_VDL\_COLOR

Vertical Scale: 1:200

Graphics File Created: 31–Mar–2024 00:57

OP System Version: 19C0–187			
DSST–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

Output DLIS Files				
DEFAULT	DSI_NGS_023LUP	FN:20	PRODUCER	31–Mar–2024 00:57
RTB	DSI_NGS_023LUP	FN:21	PRODUCER	31–Mar–2024 00:57

Company: International Ocean Discovery Program

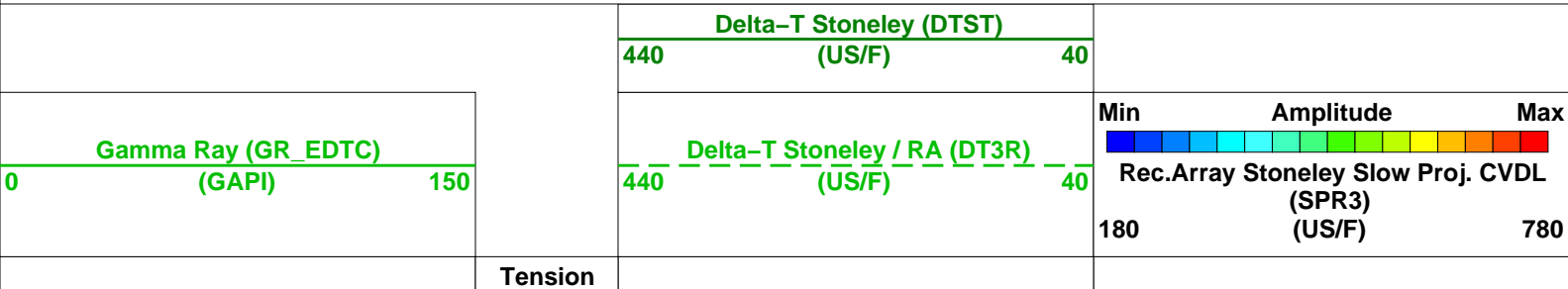
Well: Expedition 402, Site U1617B

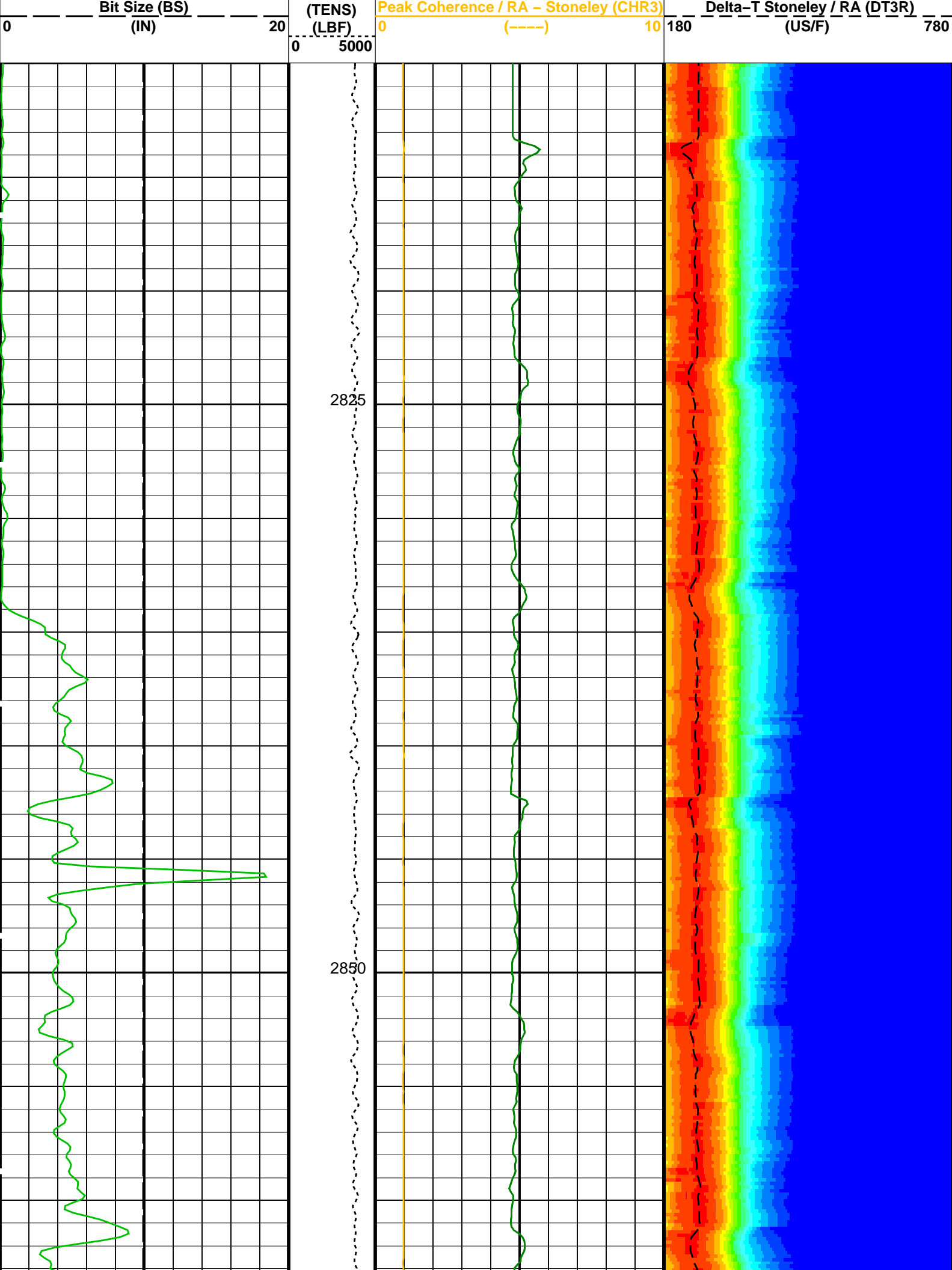
Output DLIS Files						
DEFAULT	DSI_NGS_023LUP	FN:20	PRODUCER	31–Mar–2024 00:57	3159.3 M	2810.3 M
RTB	DSI_NGS_023LUP	FN:21	PRODUCER	31–Mar–2024 00:57	3159.3 M	2810.3 M

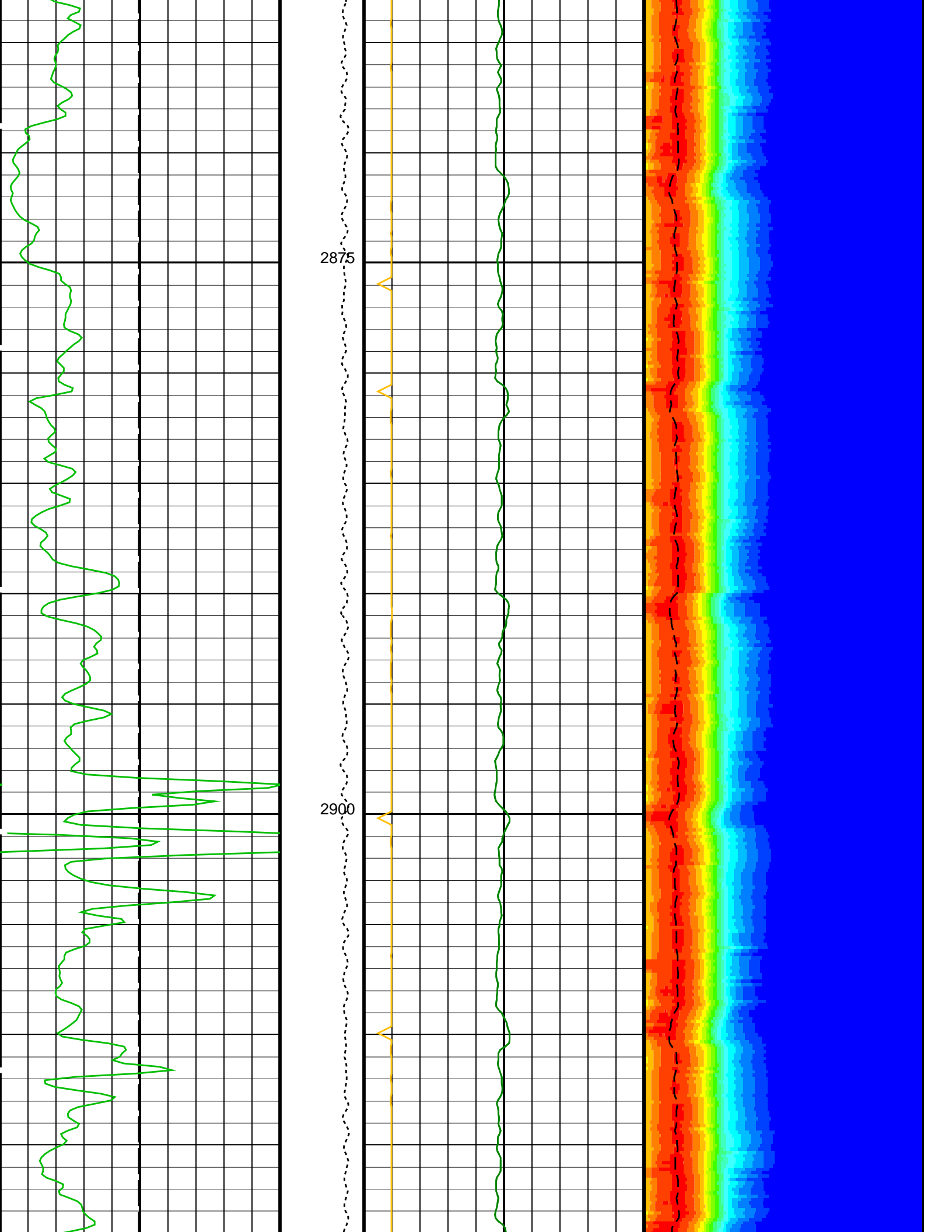
OP System Version: 19C0–187			
DSST–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

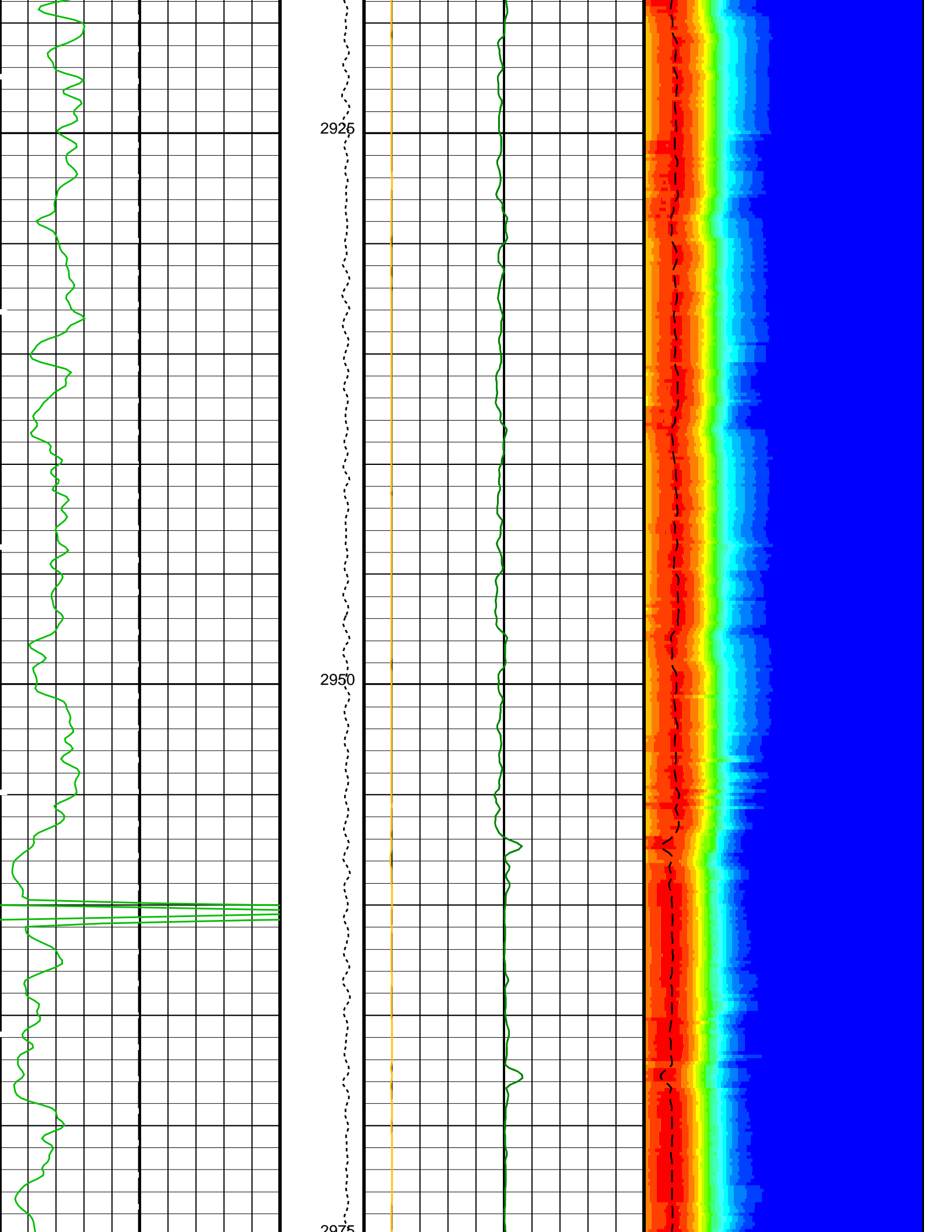
PIP SUMMARY

☐ Time Mark Every 60 S

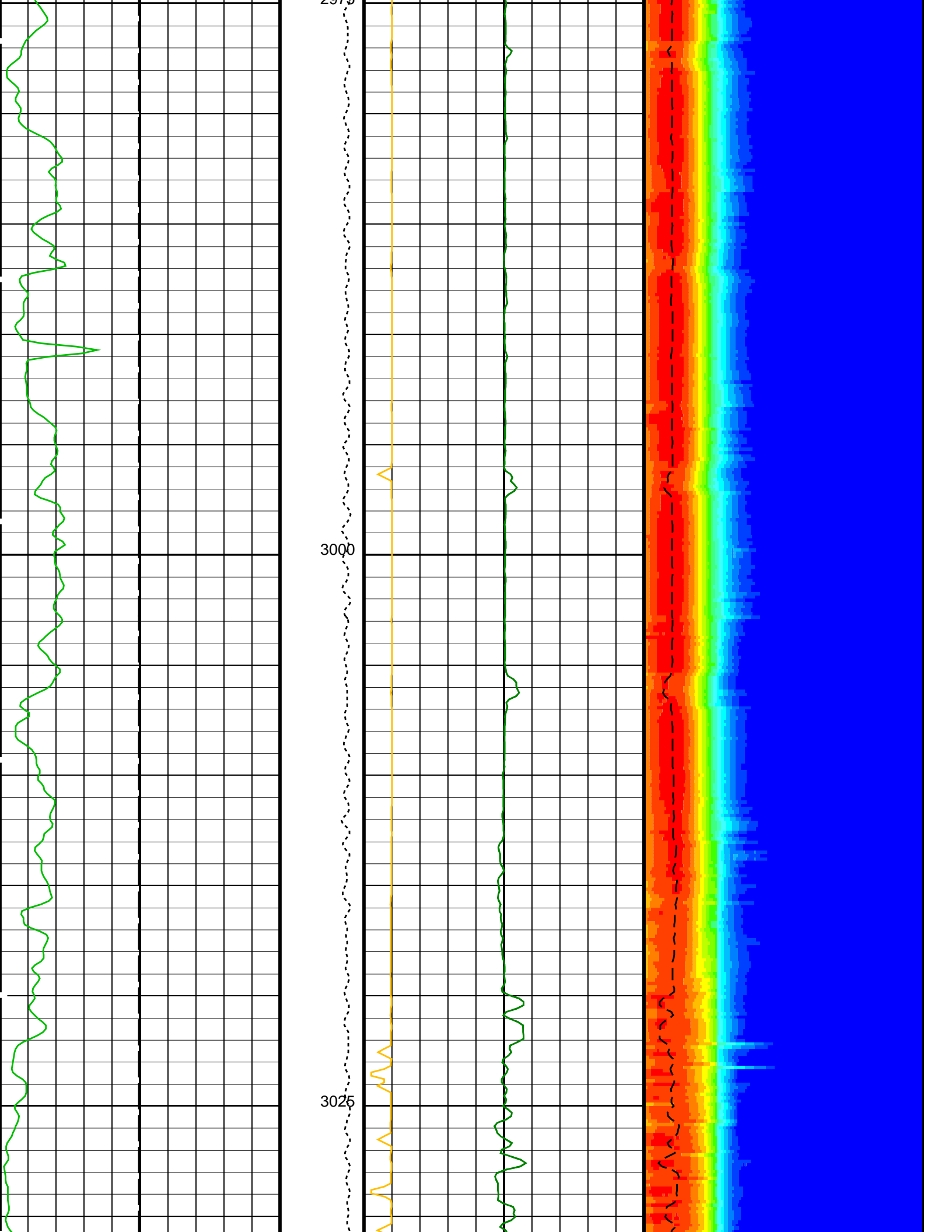


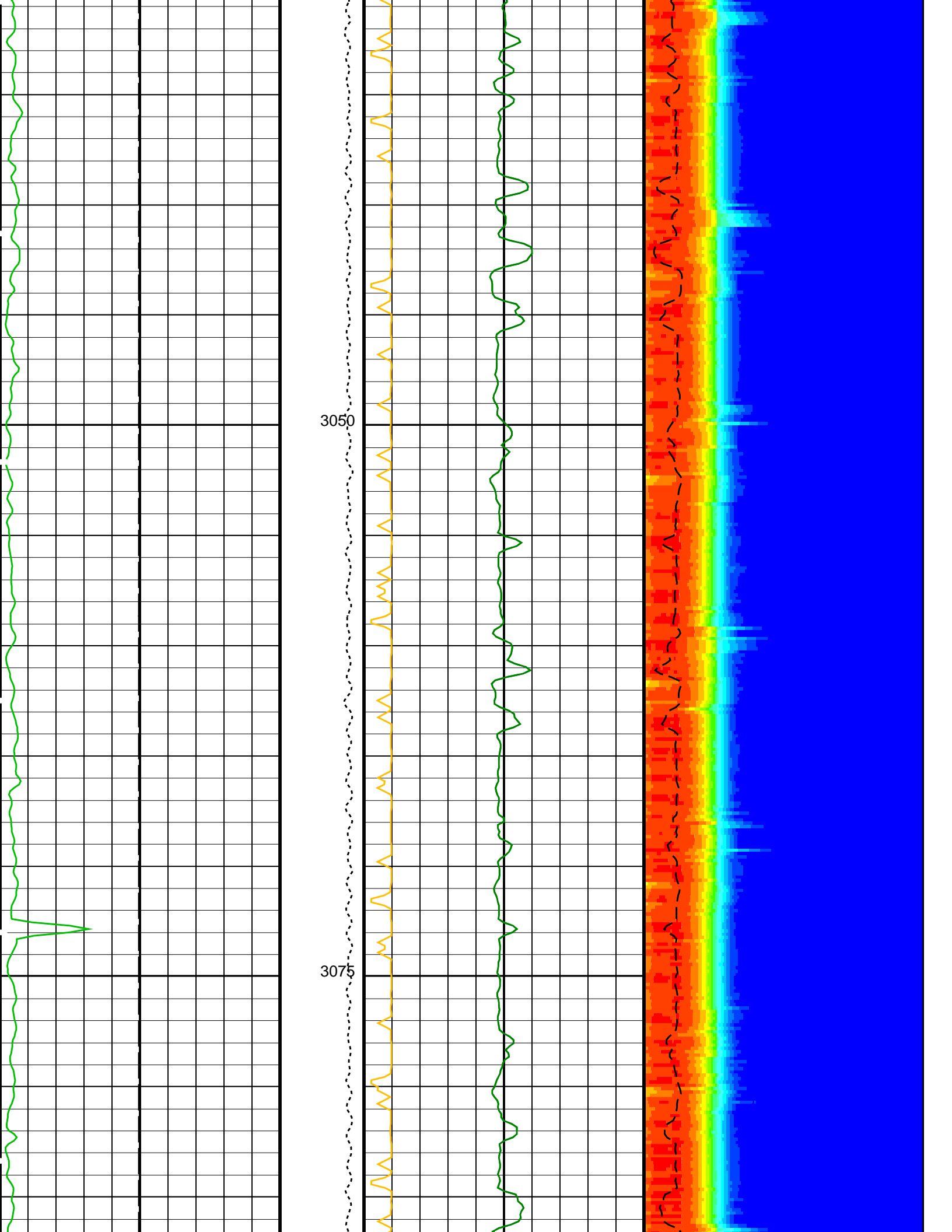


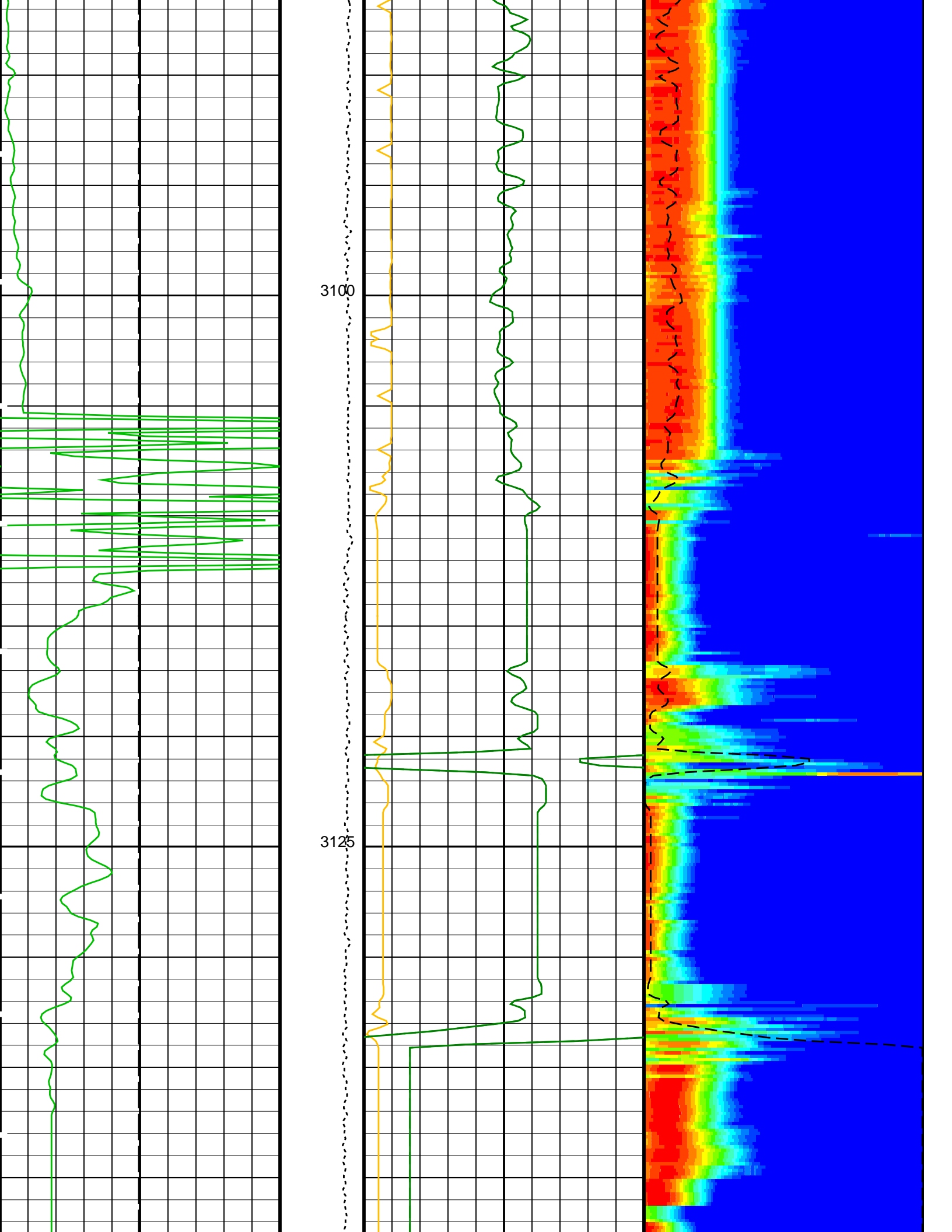


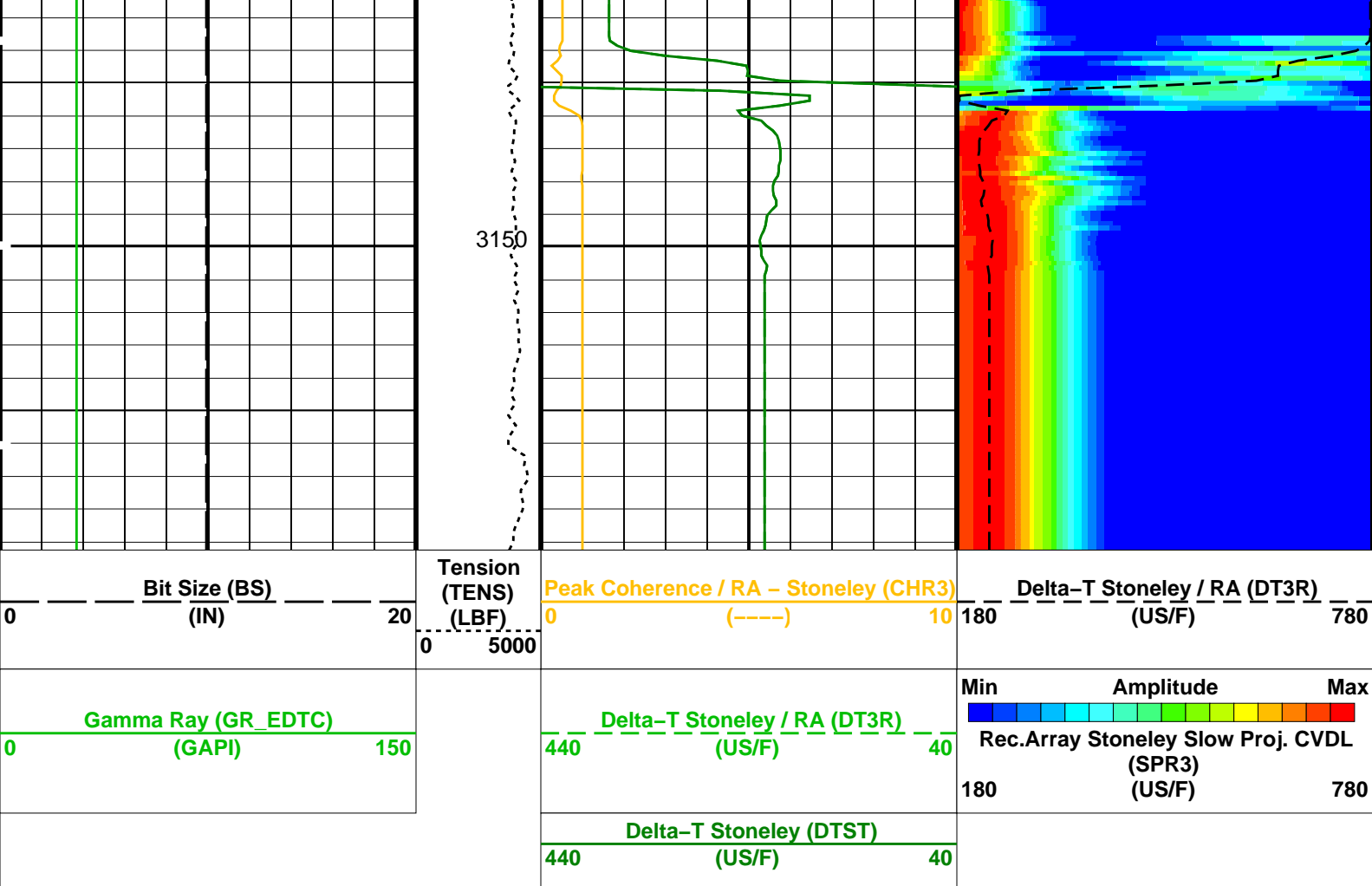













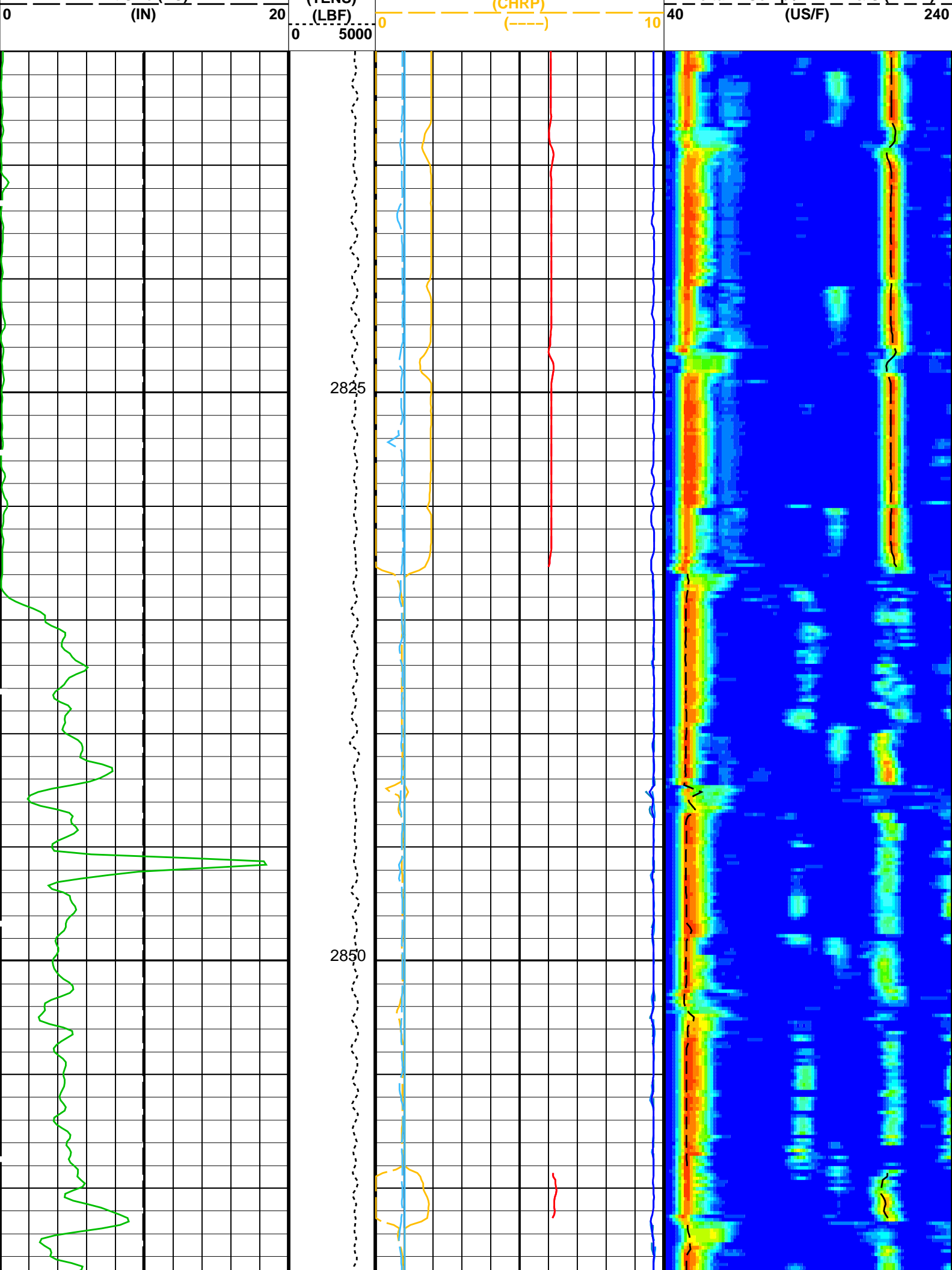
#### PIP SUMMARY

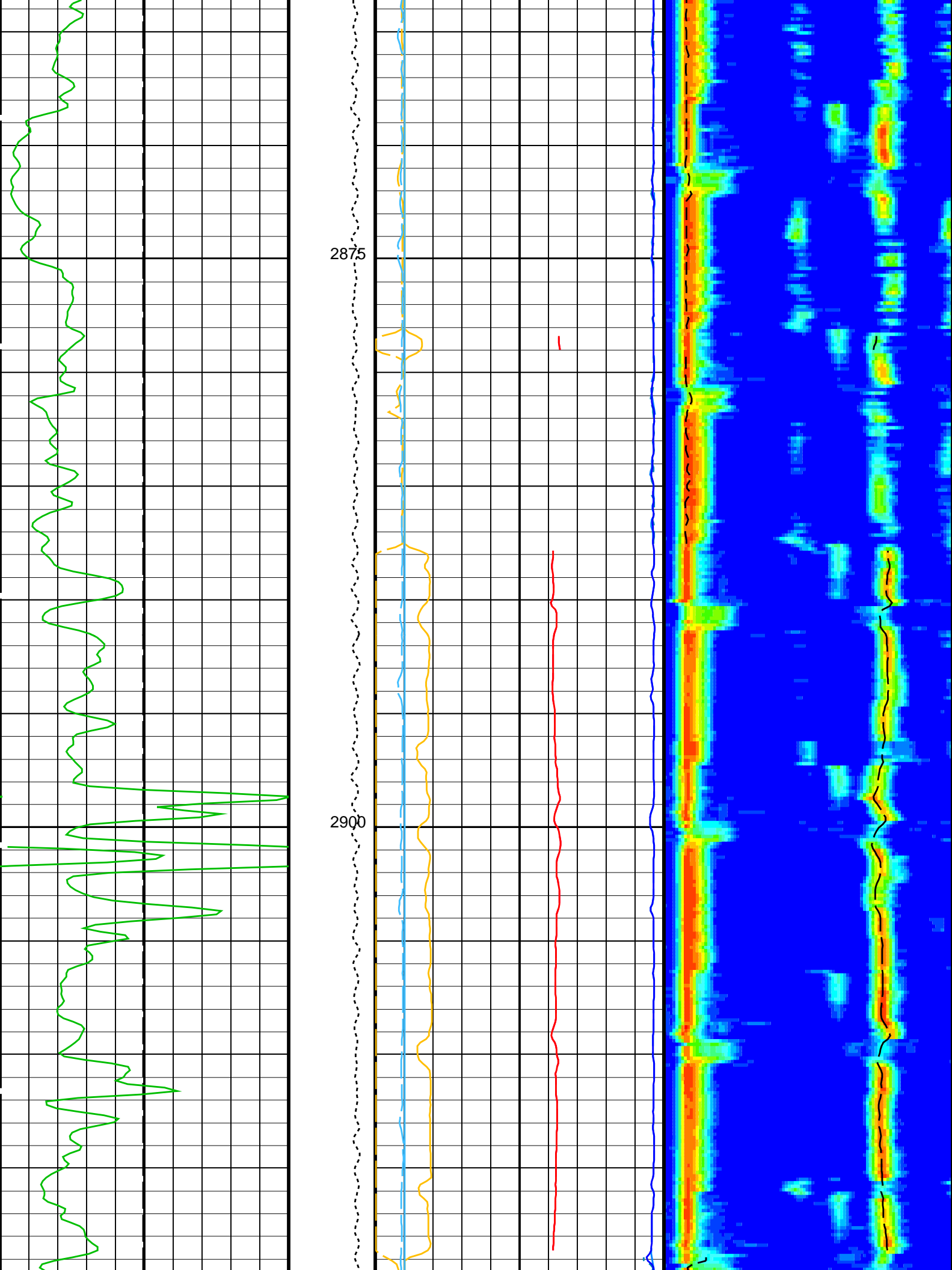
Time Mark Every 60 S

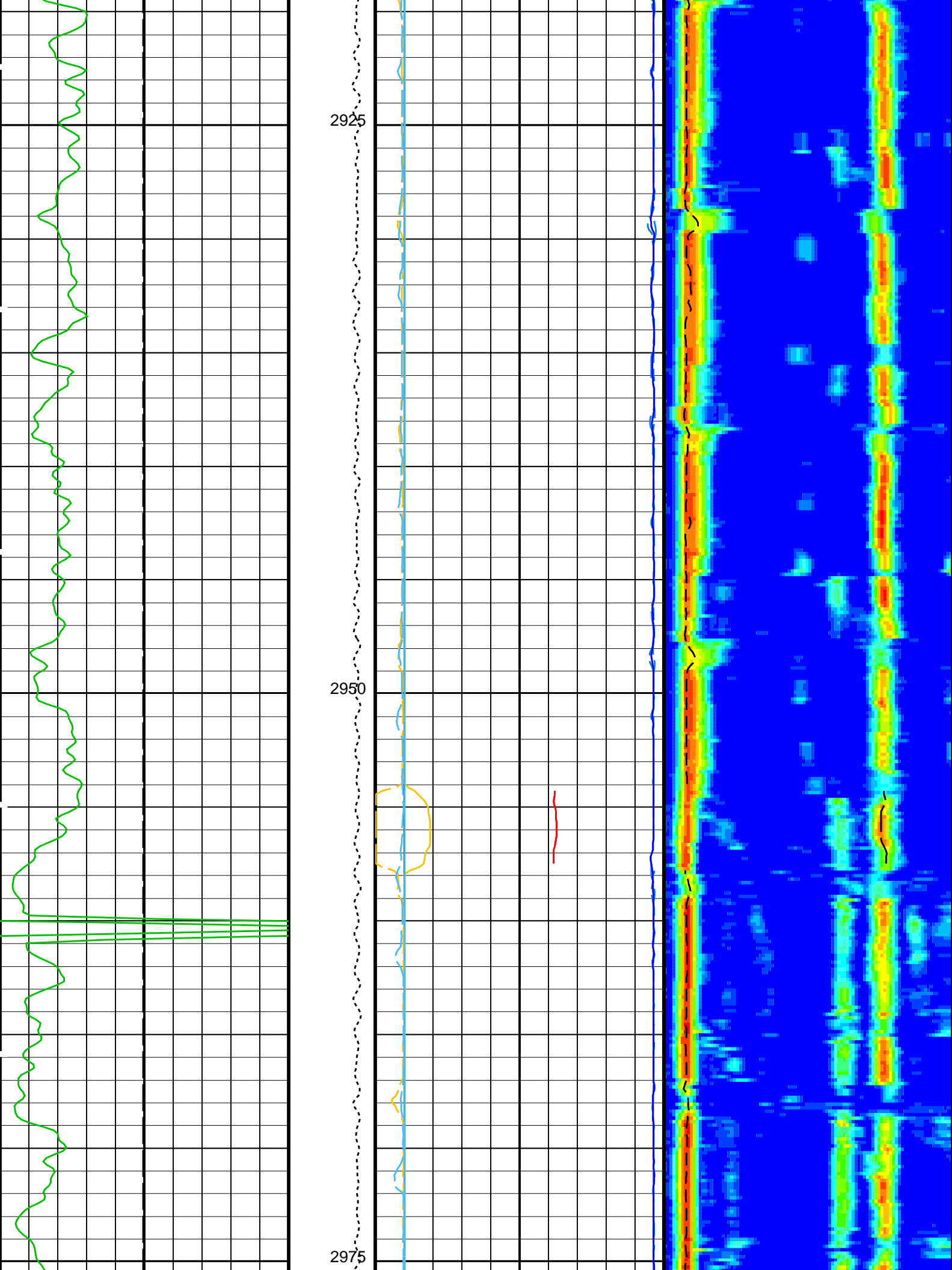
### Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE3	Digitizing Delay 3	0	US
DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	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
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SBO3	STC Search Band Offset – Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth – Monopole Stoneley	6000	US
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
TRE3	STC Time for Baseline Fill – Monopole Stoneley	0	US

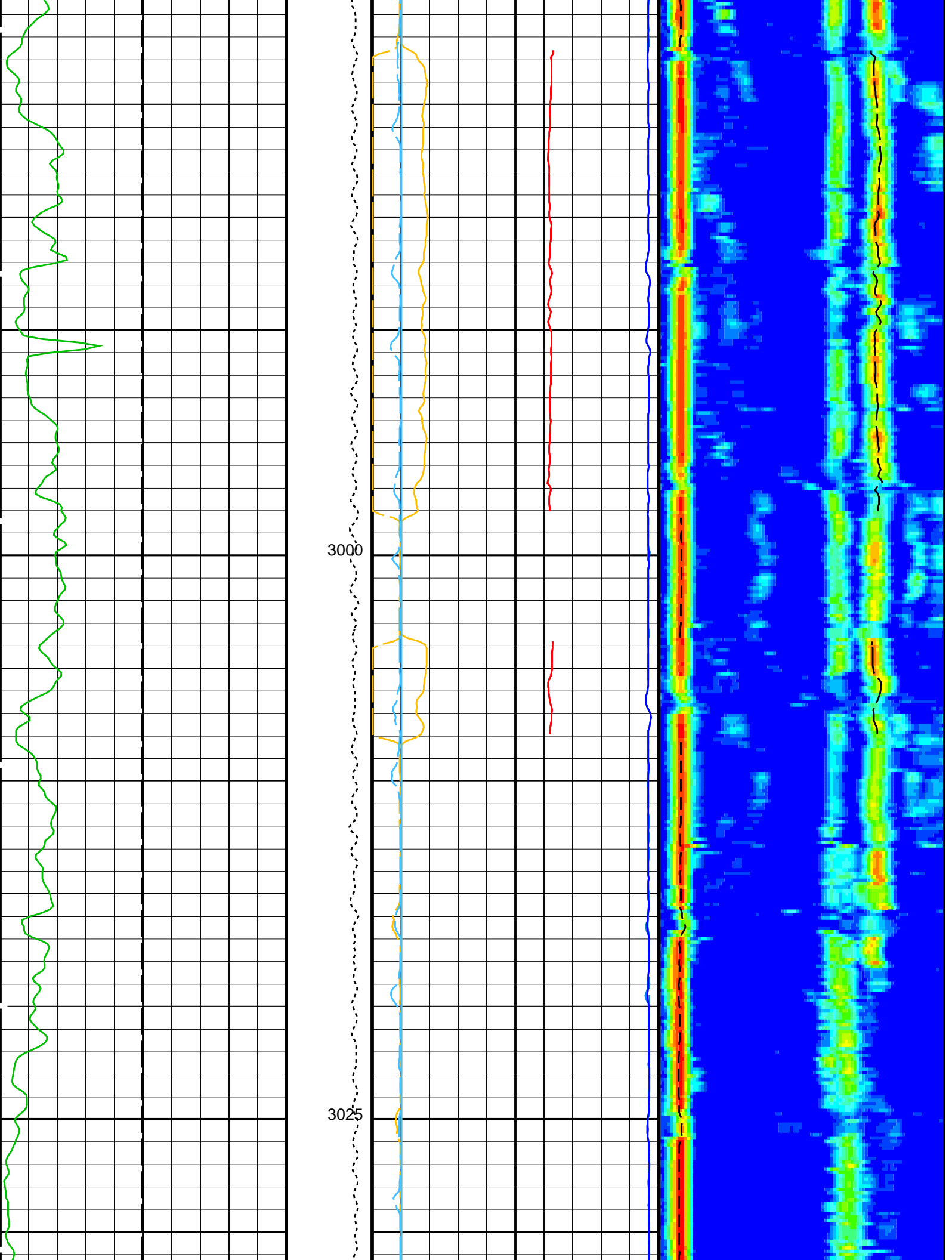
TLL3	STC Time Lower Limit – Monopole Stoneley	620	US
TST3	STC Time Step – Monopole Stoneley	200	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12020	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWI3	STC Integration Time Window – Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
BS	System and Miscellaneous Bit Size	9.875	IN
Format: DSST_STONELEY_VDL_COLOR      Vertical Scale: 1:200      Graphics File Created: 31-Mar-2024 00:57			
OP System Version: 19C0-187			
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187
Output DLIS Files			
DEFAULT	DSI_NGS_023LUP	FN:20	PRODUCER 31-Mar-2024 00:57
RTB	DSI_NGS_023LUP	FN:21	PRODUCER 31-Mar-2024 00:57
Company: International Ocean Discovery Program      Well: Expedition 402, Site U1617B			
Output DLIS Files			
DEFAULT	DSI_NGS_023LUP	FN:20	PRODUCER 31-Mar-2024 00:57 3159.3 M 2810.3 M
RTB	DSI_NGS_023LUP	FN:21	PRODUCER 31-Mar-2024 00:57 3159.3 M 2810.3 M
OP System Version: 19C0-187			
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187
PIP SUMMARY			
Time Mark Every 60 S			
		Peak Coherence / TA – P & S Shear (CHTS) -1 (----) 9	
		Peak Coherence / RA – P & S Shear (CHRS) -1 (----) 9	
		Delta-T Shear – P & S (DT4S) 440 (US/F) 40	
		Delta-T Shear / TA – P & S (DTTS) 440 (US/F) 40	
		Delta-T Shear / RA – P & S (DTRS) 440 (US/F) 40	
		Delta-T Comp – P & S (DT4P) 440 (US/F) 40	
		Delta-T Comp / TA – P & S (DTPP) 440 (US/F) 40	
		Delta-T Comp / RA – P & S (DTRP) 440 (US/F) 40	Min      Amplitude      Max  Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240
Gamma Ray (GR_EDTC)	(GAPI) 150	Peak Coherence / TA – P & S Comp (CHTP) 0 (----) 10	Delta-T Shear / RA – P & S (DTRS) 40 (US/F) 240
Bit Size (BS)	Tension (TENS)	Peak Coherence / RA – P & S Comp (CHRS)	Delta-T Comp / RA – P & S (DTRP)

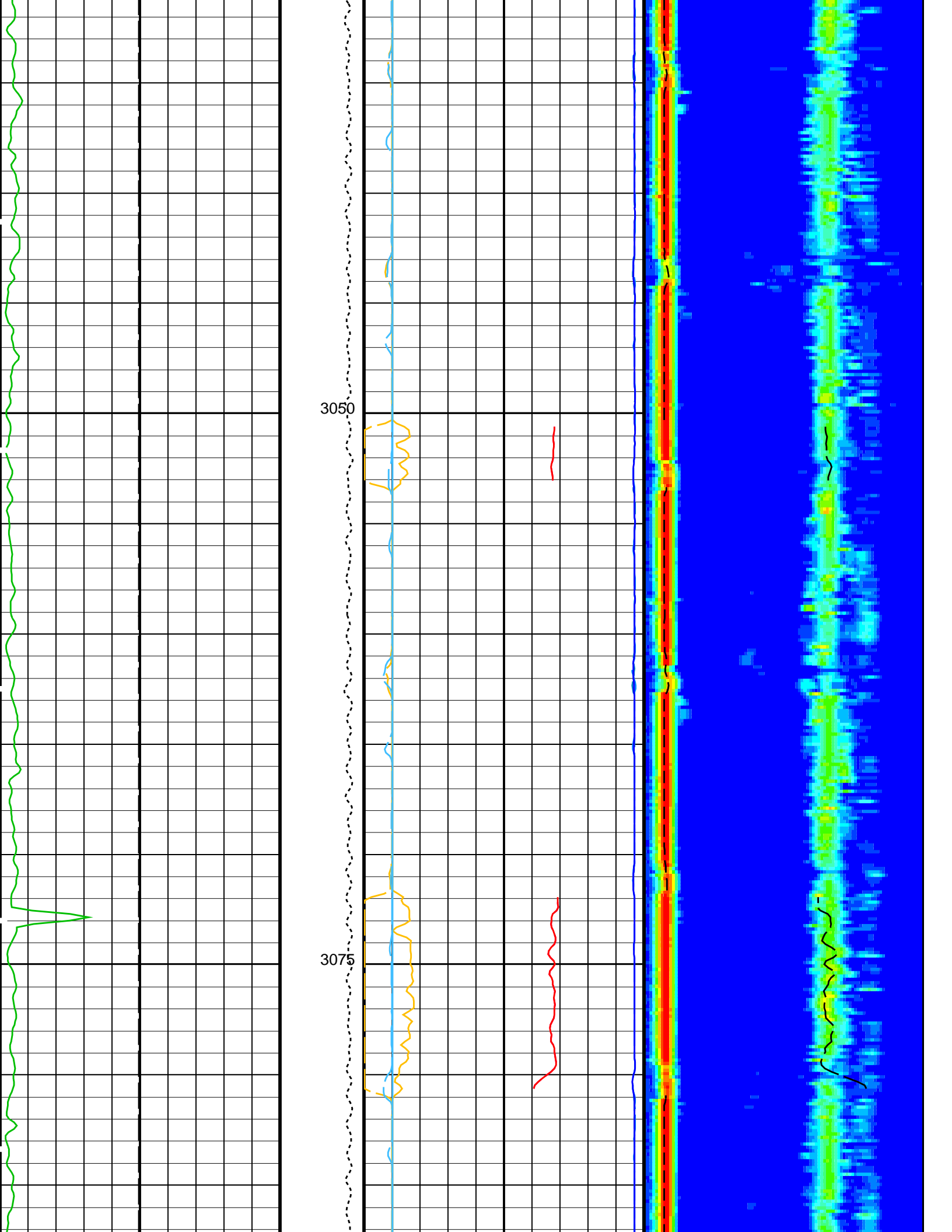


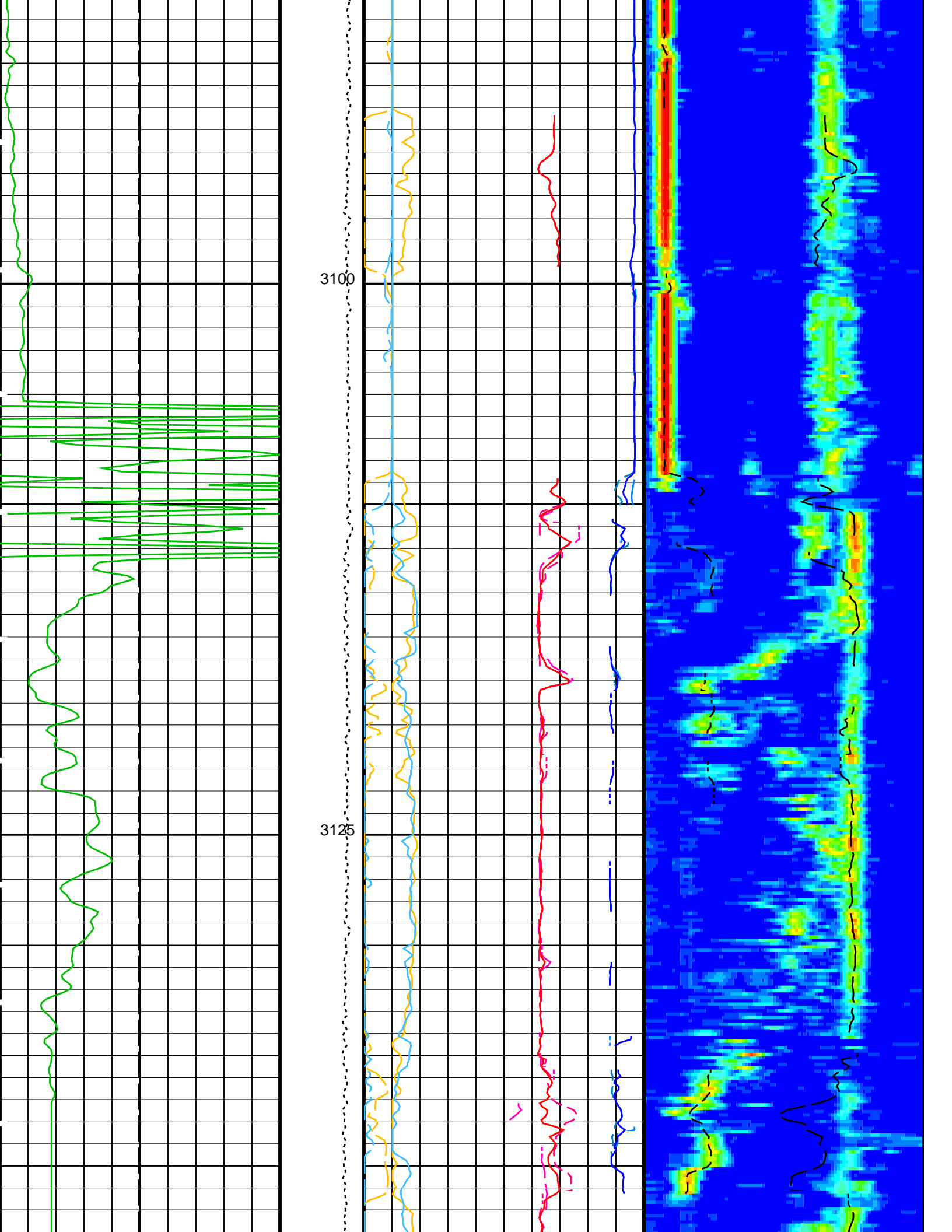


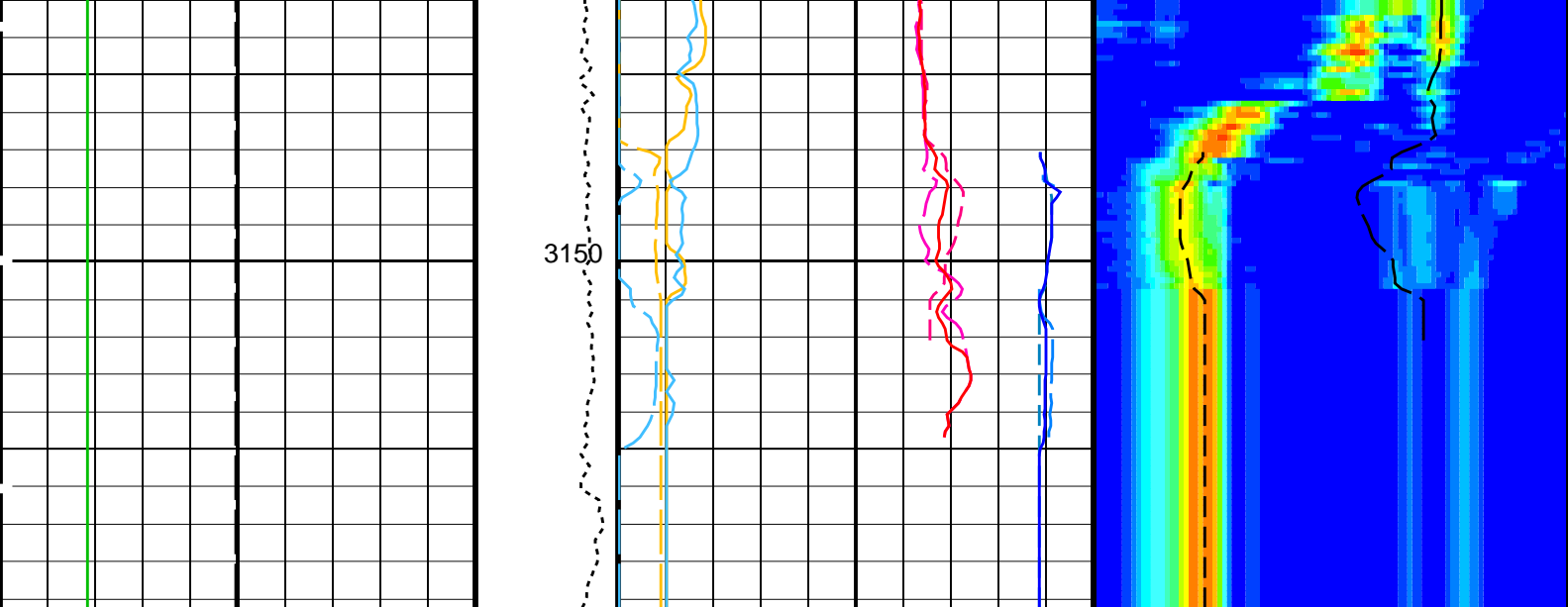












0	Bit Size (BS)	20	Tension (TENS) (LBF)	0	5000	Peak Coherence / RA – P & S Comp (CHRP)	0	10	Delta–T Comp / RA – P & S (DTRP)	40	240
	(IN)					(US/F)					
0	Gamma Ray (GR_EDTC)	150				Peak Coherence / TA – P & S Comp (CHTP)	0	10	Delta–T Shear / RA – P & S (DTRS)	40	240
	(GAPI)					(US/F)					
						Delta–T Comp / RA – P & S (DTRP)	440	40	<div>MinAmplitudeMax</div> <div>Rec.Array P&amp;S Slow Proj. CVDL (SPR4)</div> <div>40240</div>		
						(US/F)					
						Delta–T Comp / TA – P & S (DTTP)	440	40			
						(US/F)					
						Delta–T Comp – P & S (DT4P)	440	40			
						(US/F)					
						Delta–T Shear / RA – P & S (DTRS)	440	40			
						(US/F)					
	Delta–T Shear / TA – P & S (DTTS)	440	40								
	(US/F)										
	Delta–T Shear – P & S (DT4S)	440	40								
	(US/F)										
	Peak Coherence / RA – P & S Shear (CHRS)	–1	9								
	(US/F)										
	Peak Coherence / TA – P & S Shear (CHTS)	–1	9								
	(US/F)										

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
CASF	Label Casing Function - Monopole P&S	50
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	40 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	90 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	212	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
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	ODD	
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	130	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	
BHS	HNGS–BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
BHS	EDTC–B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
BS	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST\_P\_S\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 31–Mar–2024 00:57

## OP System Version: 19C0–187

DSST–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

## Output DLIS Files

DEFAULT	DSI_NGS_023LUP	FN:20	PRODUCER	31–Mar–2024 00:57
RTB	DSI_NGS_023LUP	FN:21	PRODUCER	31–Mar–2024 00:57

**Schlumberger**

**Calibrations**

Calibration and Check Summary								
Measurement		Nominal	Master	Before	After	Change	Limit	Units
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check								
Master: Calibration out of date	20-Apr-2023 4:22	Before: 30-Mar-2024 17:01	After: 30-Mar-2024 21:46					
Na 511 Peak Loc		40.00	38.56	38.62	38.62	0.002377	1.000	
Na 511 Peak Res		15.50	16.82	16.73	16.68	-0.05842	2.000	%
High Voltage		1150	1206	1194	1200	5.835	N/A	V
Na 1785 Peak Loc		142.6	139.2	139.5	139.6	0.08415	7.000	
Na 1785 Peak Res		8.500	9.087	8.710	9.122	0.4116	2.000	%
Temperature		15.50	26.64	21.44	21.83	0.3934	N/A	DEGC
Na Count Rate		45.00	47.40	37.25	37.44	0.1949	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check								
Master: Calibration out of date	20-Apr-2023 4:22	Before: 30-Mar-2024 17:01	After: 30-Mar-2024 21:46					
Na 511 Peak Loc		40.00	39.72	39.58	39.67	0.08819	1.000	
Na 511 Peak Res		15.50	15.41	16.53	15.75	-0.7861	2.000	%
High Voltage		1150	1089	1082	1085	2.735	N/A	V
Na 1785 Peak Loc		142.6	142.9	142.2	142.6	0.3491	7.000	
Na 1785 Peak Res		8.500	8.753	9.042	8.837	-0.2048	2.000	%
Temperature		15.50	25.53	20.81	22.01	1.203	N/A	DEGC
Na Count Rate		45.00	47.70	37.29	37.57	0.2836	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2								
Master: Calibration out of date	20-Apr-2023 4:22	Before: 30-Mar-2024 17:01	After: 30-Mar-2024 21:46					
Coincidence Count Rate Ratio		1.000	0.9913	0.9955	0.9933	-0.002193	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration								
Before: 30-Mar-2024 16:56								
EDTC Z-Axis Acceleration		9.810	N/A	9.791	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration								
Before: 30-Mar-2024 16:57 After: 30-Mar-2024 21:44								
Gamma Ray (Jig – Bkg)		166.1	N/A	166.1	167.9	1.810	15.10	GAPI
Gamma Ray (Calibrated)		165.0	N/A	165.0	166.8	1.798	15.00	GAPI

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	177	
Auxiliary Equipment:			
HNGS Sonde Housing	HNSH – BA	174	
Gamma Source Radioactive	GSR – U	135	

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	<div><div></div></div>		38.56	Master	<div><div></div></div>		16.82	Master	<div><div></div></div>		1206					
Before	<div><div></div></div>		38.62	Before	<div><div></div></div>		16.73	Before	<div><div></div></div>		1194					
After	<div><div></div></div>		38.62	After	<div><div></div></div>		16.68	After	<div><div></div></div>		1200					
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	<div><div></div></div>		139.2	Master	<div><div></div></div>		9.087	Master	<div><div></div></div>		26.64					
Before	<div><div></div></div>		139.5	Before	<div><div></div></div>		8.710	Before	<div><div></div></div>		21.44					

After	<div><div></div></div>	139.6	After	<div><div></div></div>	9.122	After	<div><div></div></div>	21.83
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	<div><div></div></div>	47.40						
Before	<div><div></div></div>	37.25						
After	<div><div></div></div>	37.44						
10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: Calibration out of date 20-Apr-2023 4:22								

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	<div><div></div></div>		39.72	Master	<div><div></div></div>		15.41	Master	<div><div></div></div>		1089			
Before	<div><div></div></div>		39.58	Before	<div><div></div></div>		16.53	Before	<div><div></div></div>		1082			
After	<div><div></div></div>		39.67	After	<div><div></div></div>		15.75	After	<div><div></div></div>		1085			
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	<div><div></div></div>		142.9	Master	<div><div></div></div>		8.753	Master	<div><div></div></div>		25.53			
Before	<div><div></div></div>		142.2	Before	<div><div></div></div>		9.042	Before	<div><div></div></div>		20.81			
After	<div><div></div></div>		142.6	After	<div><div></div></div>		8.837	After	<div><div></div></div>		22.01			
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	<div><div></div></div>		47.70											
Before	<div><div></div></div>		37.29											
After	<div><div></div></div>		37.57											
10.00 (Minimum)			45.00 (Nominal)									100.0 (Maximum)		
Master: Calibration out of date 20-Apr-2023 4:22 Before: 30-Mar-2024 17:01 After: 30-Mar-2024 21:46														

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9913
Before		0.9955
After		0.9933
0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: Calibration out of date 20-Apr-2023 4:22		
Before: 30-Mar-2024 17:01		
After: 30-Mar-2024 21:46		

Enhanced DTS Cartridge / Equipment Identification		
Primary Equipment:		
EDTC Gamma Ray Detector	EDTG – A/B	79159
Enhanced DTS Cartridge	EDTC – B	8081
Auxiliary Equipment:		
EDTC Housing	EDTH – B	8226

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.791
9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)

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			1.621	Before			166.1	Before			165.0												
After			1.863	After			167.9	After			166.8												
0 (Minimum)			30.00 (Nominal)	120.0 (Maximum)			151.0 (Minimum)			166.1 (Nominal)	181.2 (Maximum)	150.0 (Minimum)			165.0 (Nominal)	180.0 (Maximum)							
Before: 30–Mar–2024 16:57												After: 30–Mar–2024 21:44											

Company:

Well:

Field:

Rig:

Country:

International Ocean Discovery Program

Expedition 402, Site U1617B

Tyrrhenian Continent–Ocean Transition

JOIDES Resolution

Italy

Schlumberger

Dipole Shear–Sonic Imager (DSI)