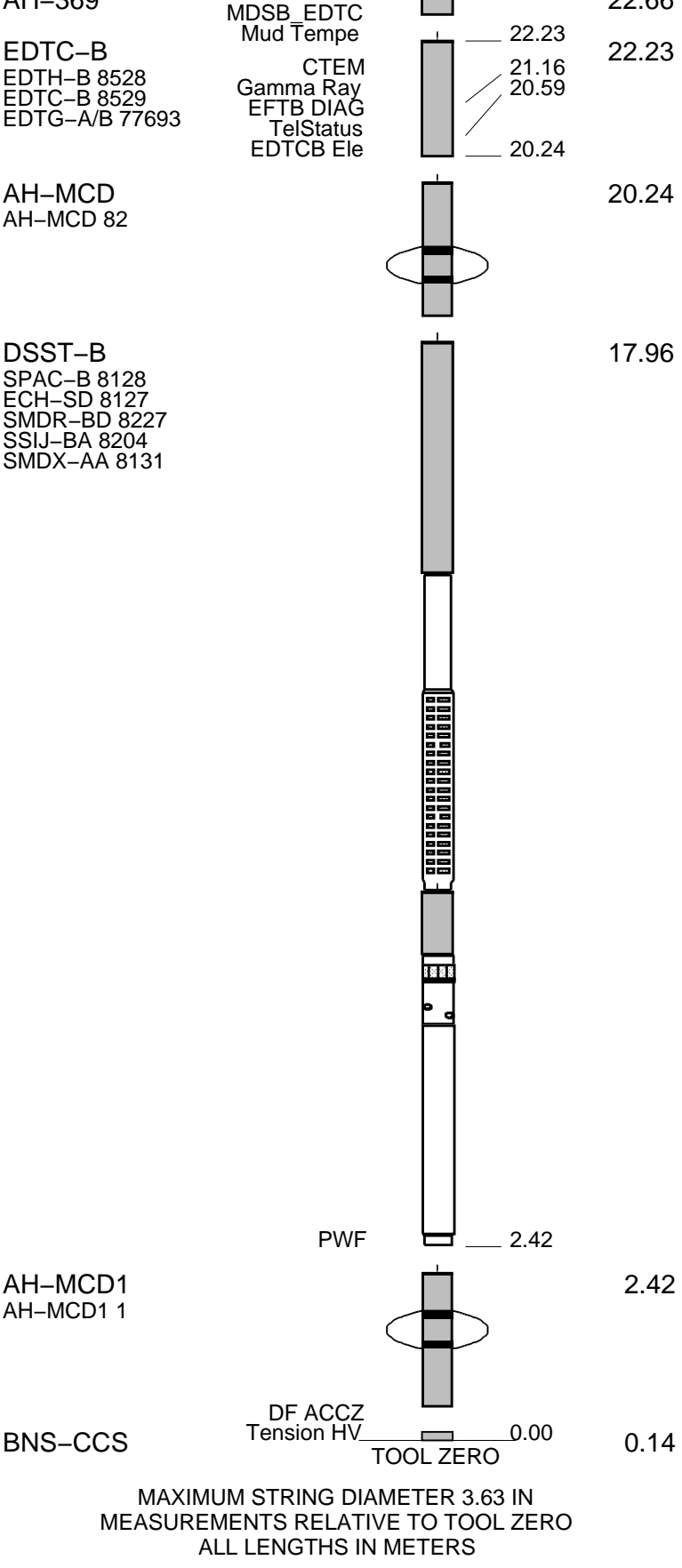


Well: **Expedition 402, Site U1613A**
Field: **Tyrrhenian Continent–Ocean Transition**
Rig: **JOIDES Resolution** Country: **Italy**

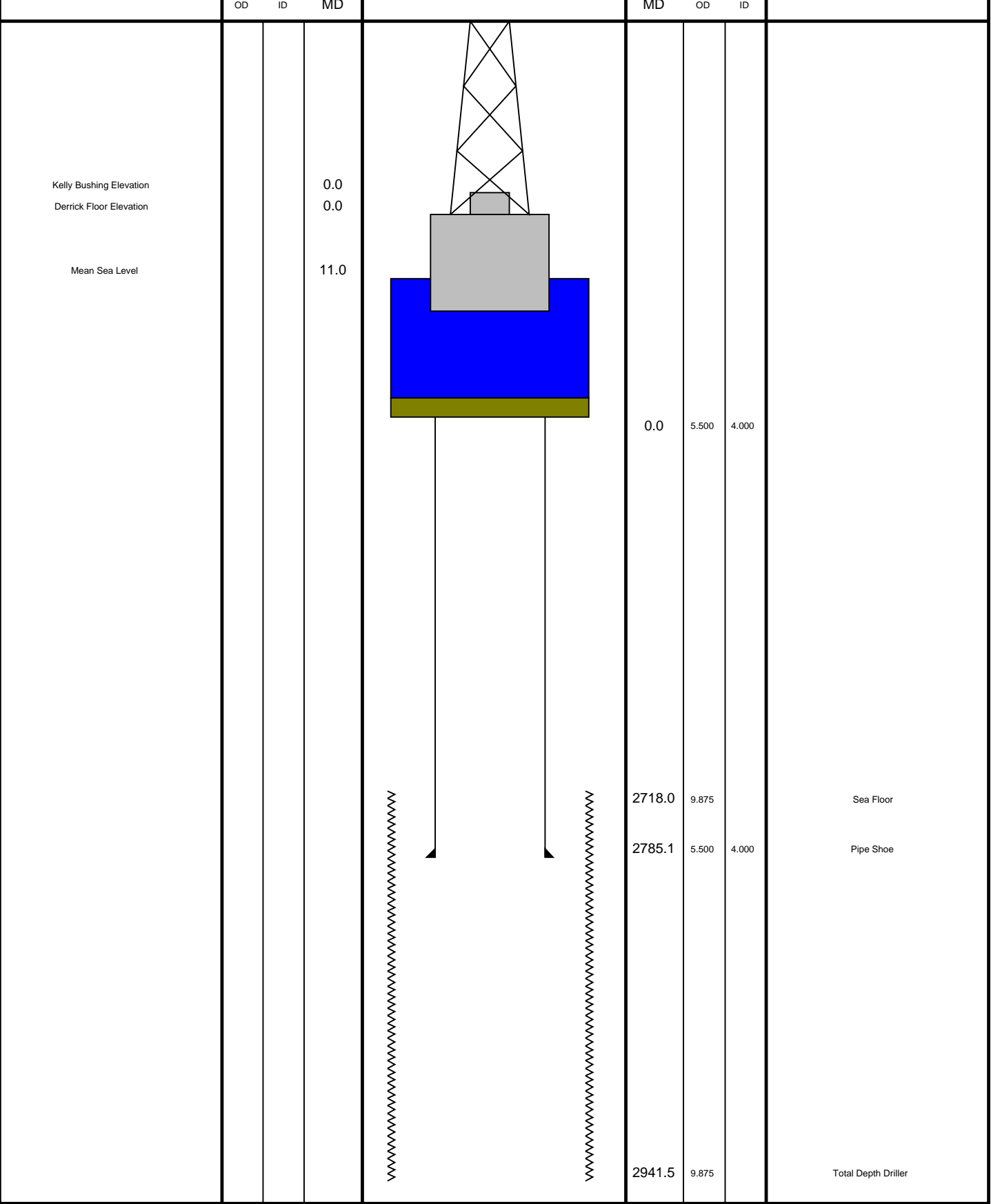
Rig:	JOIDES Resolution	Dipole Shear Sonic Imager (DSI)			
Field:	Tyrrhenian Continent–Ocean Transect				
Location:	Latitude: N 40° 0.0593'	Latitude: N 40° 0.0593' Longitude: E 10° 59.1732'	Elev.: K.B. 0.00 m G.L. –2718.00 m D.F. 0.00 m		
Well:	Expedition 402, Site U1613A		Permanent Datum: <u>Sea Floor</u> Elev.: <u>–2718.00 m</u> Log Measured From: <u>Rig Floor</u> 2718.00 m above Perm. Datum Drilling Measured From: <u>Rig Floor</u>		
Company:	International Ocean Discovery Program	Ocean: Mediterranean	Max. Well Deviation 5 deg	Longitude E 10.98622	Latitude N 40.00099*

Logging Date			22-Feb-2024					
Run Number			2					
Depth Driller			2941.5 m					
Schlumberger Depth			2900 m					
Bottom Log Interval			2900 m					
Top Log Interval			2718 m					
Casing Driller Size @ Depth			5.500 in @ 2785 m			@		
Casing Schlumberger			2791 m					
Bit Size			9.875 in					
MUD	Type Fluid In Hole		Sea Water					
	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	22-Feb-2024		0:00			
Logger On Bottom		Time	22-Feb-2024		21:30			
Unit Number		Location	627314 Larose, LA					
Recorded By			C. Furman					
Witnessed By			K. Grigar					

[illegible]



Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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Flipped Downlog
1:200 Scale

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_DSI_030LUP	PRODUCER	22-Feb-2024 23:42	2900.2 M	2685.3 M
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Output DLIS Files

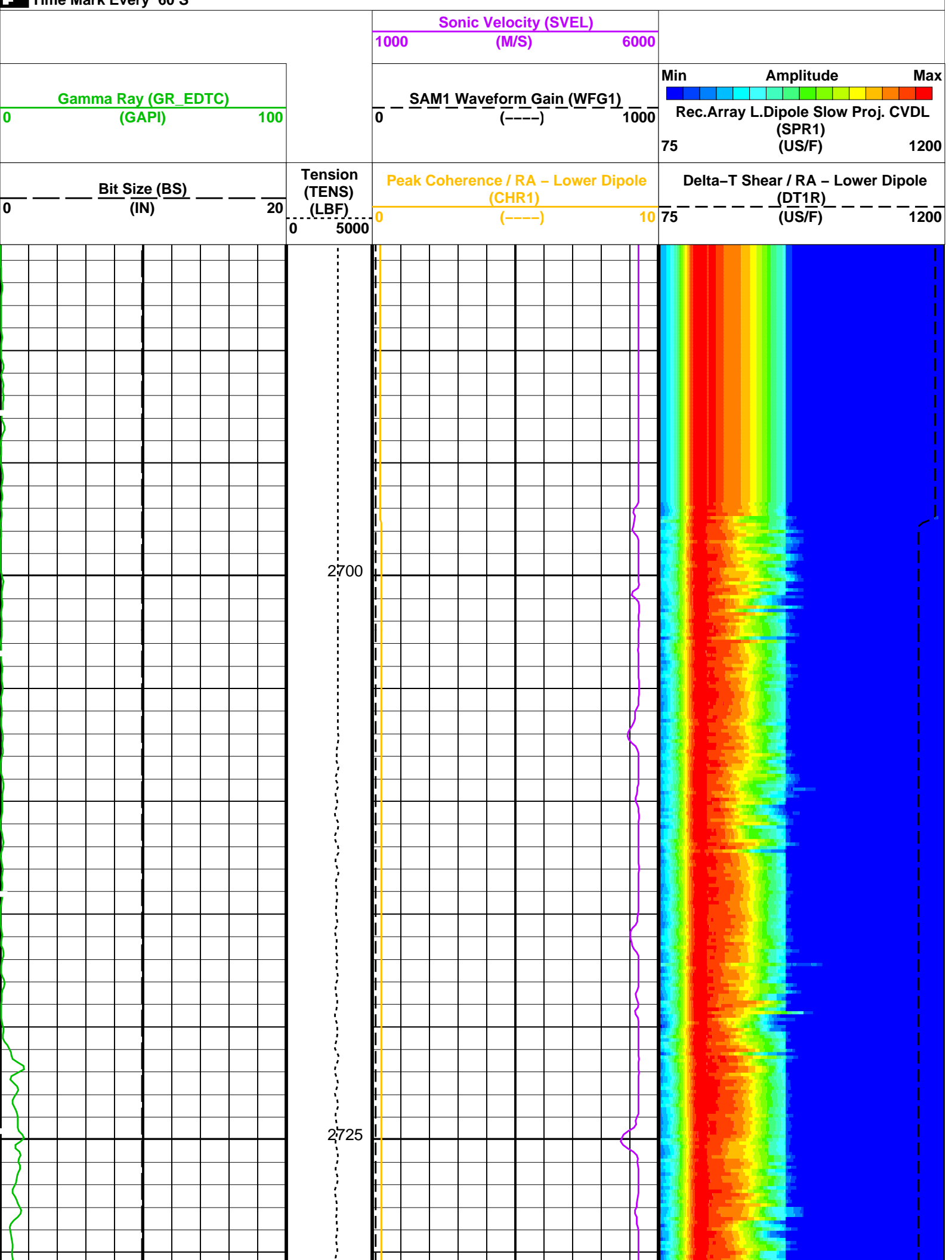
DEFAULT	DSI_031PUP	FN:27	PRODUCER	23-Feb-2024 00:03	2900.2 M	2685.3 M
BACKUP	DSI_031PUP	FN:28	PRODUCER	23-Feb-2024 00:03	2900.2 M	2685.3 M

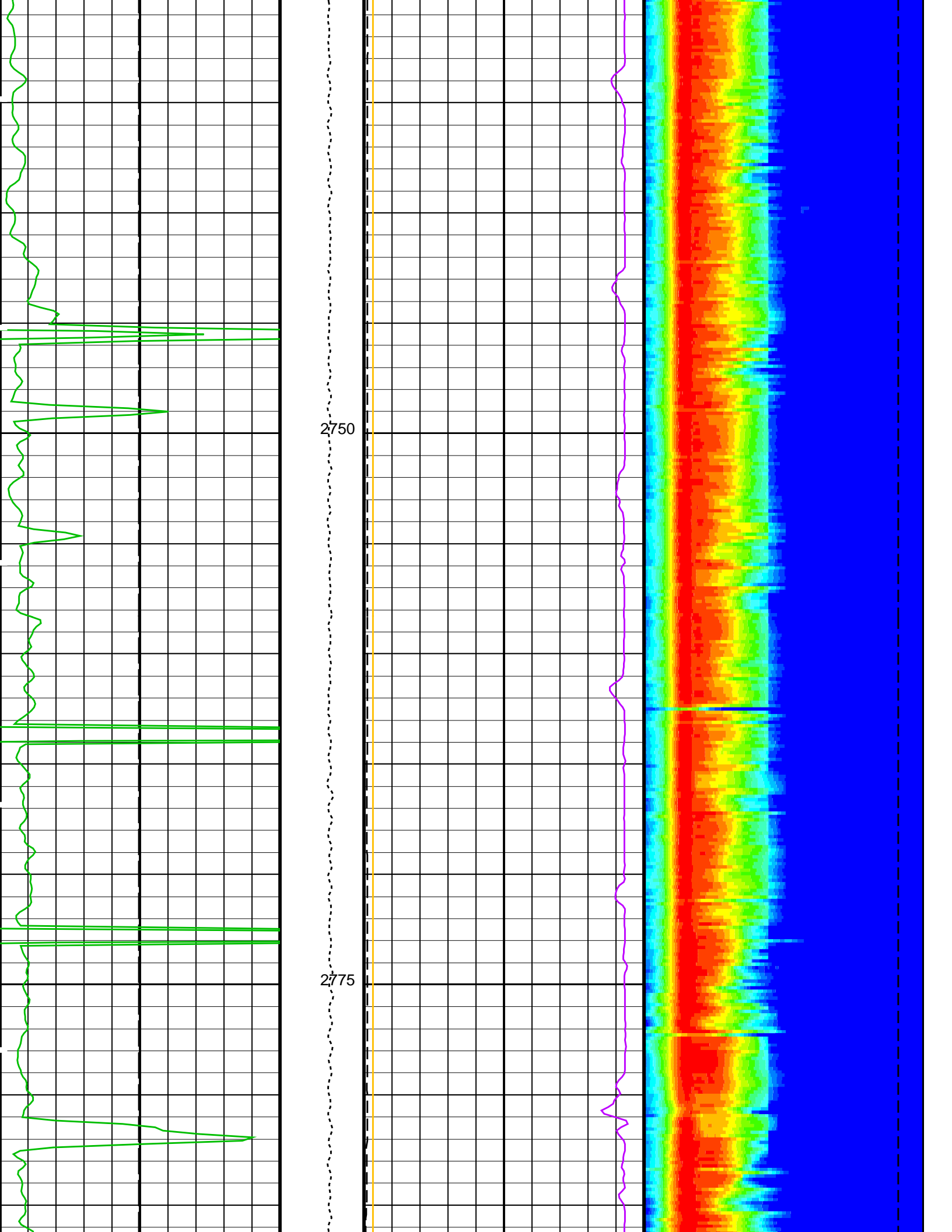
OP System Version: 19C0-187

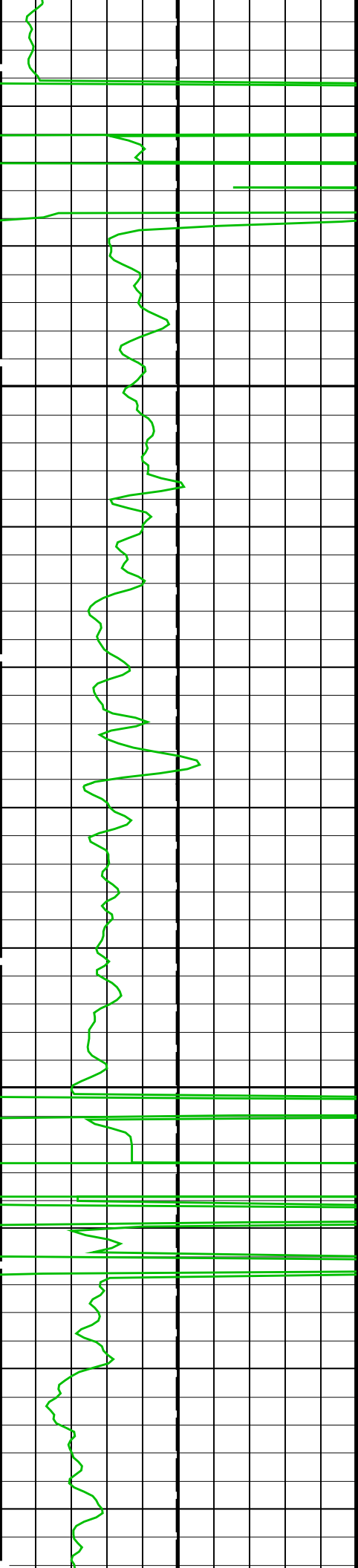
DSST-B	19C0-187	EDTC-B	19C0-187
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PIP SUMMARY

Time Mark Every 00.5

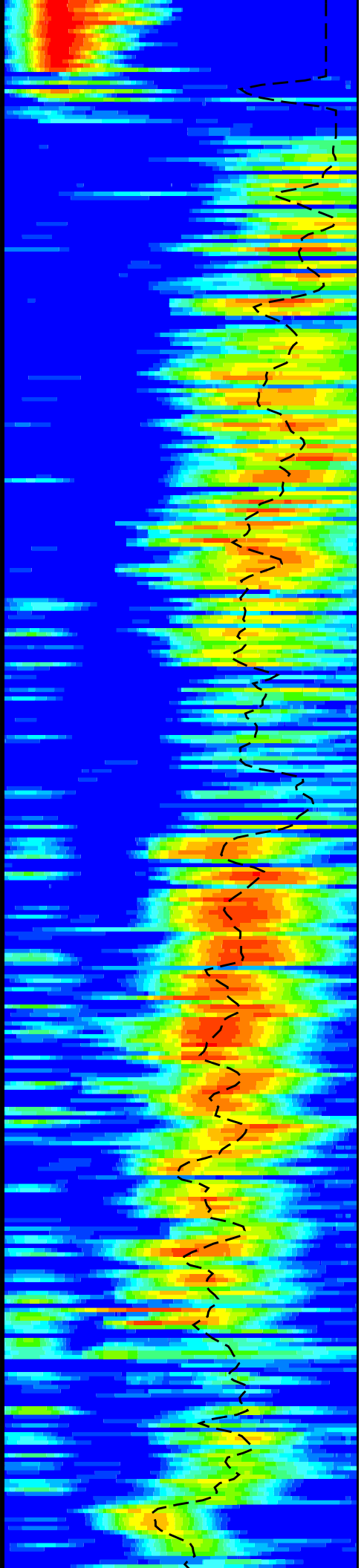
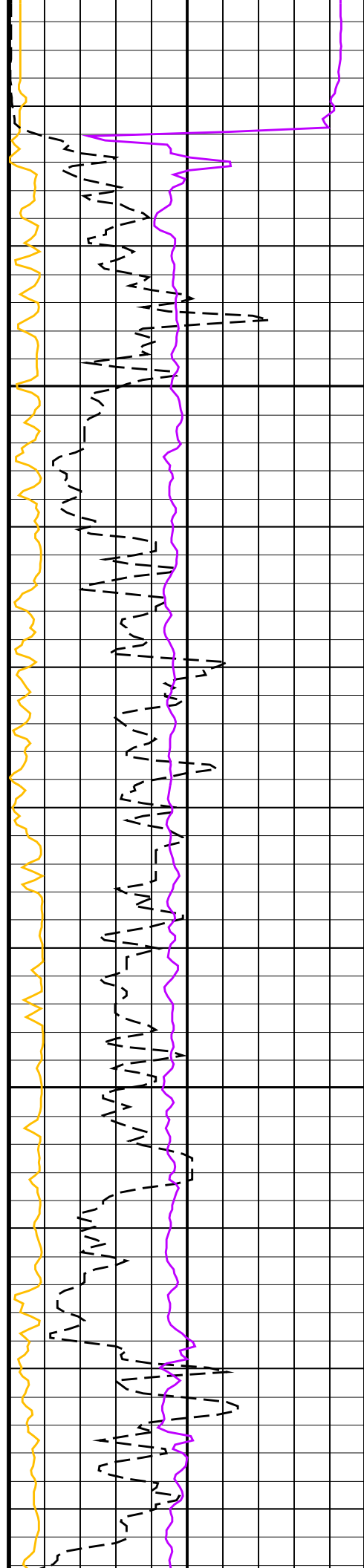


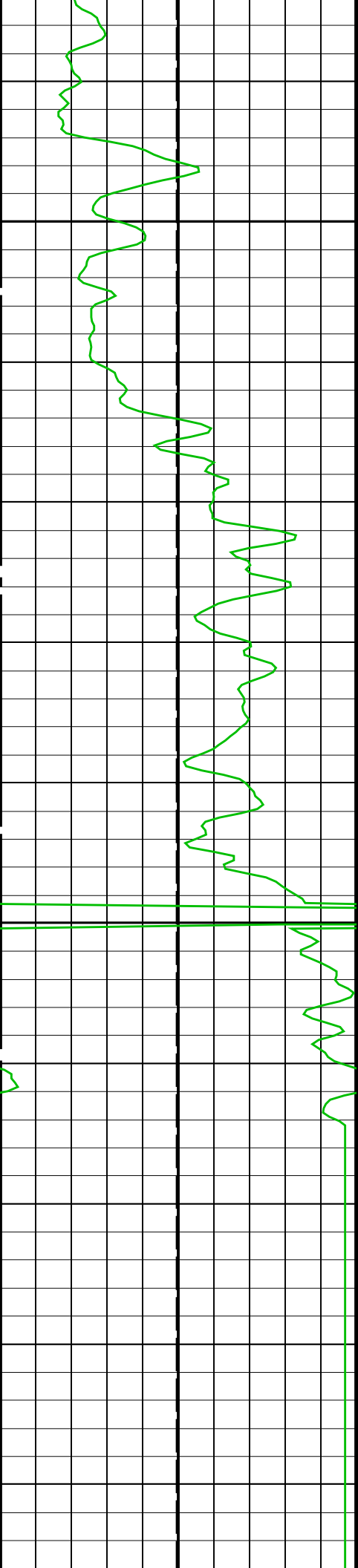




2800

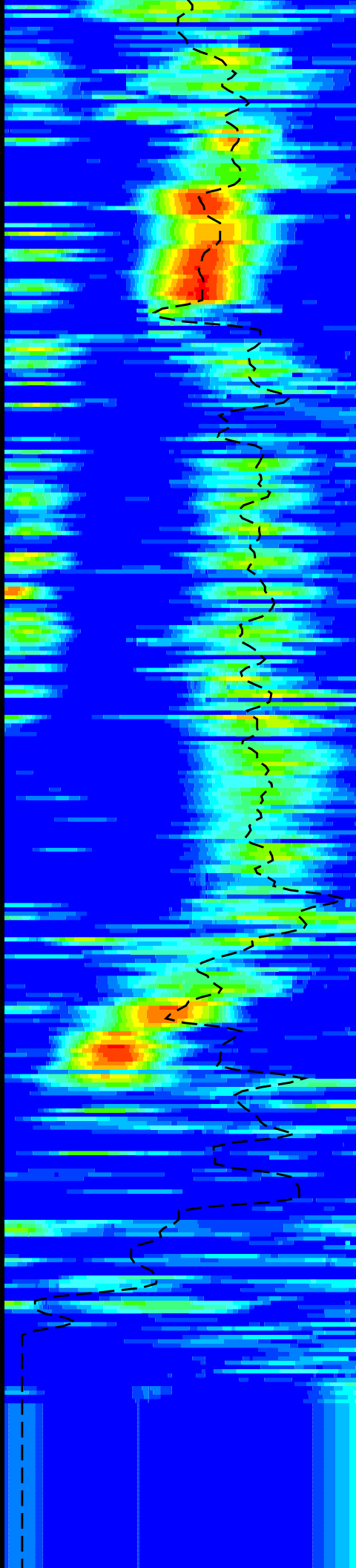
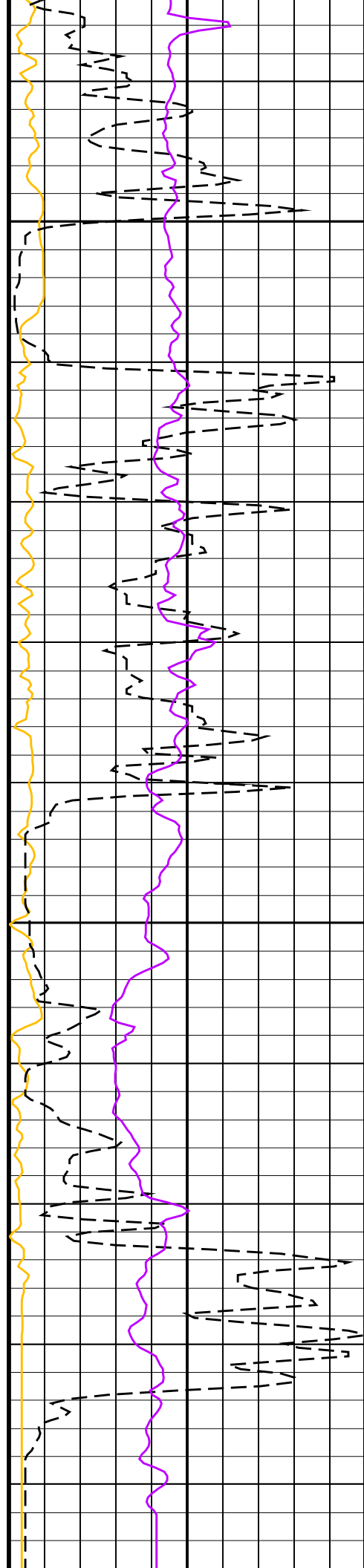
2825

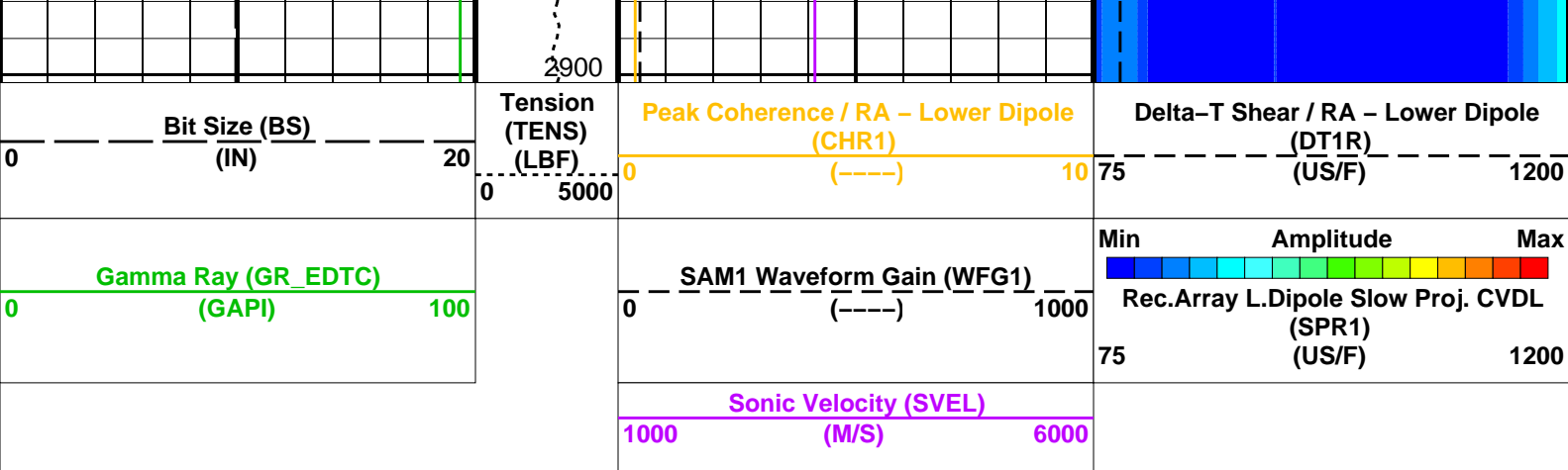




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PIP SUMMARY

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	80	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	
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
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2024 00:03

OP System Version: 19C0-187

DSST-B 19C0-187 EDTC-B 19C0-187

Input DLIS Files

Input DLIS Files						
DEFAULT	Flip_DSI_030LUP		PRODUCER	22-Feb-2024 23:42	2900.2 M	2685.3 M
Output DLIS Files						
DEFAULT	DSI_031PUP	FN:27	PRODUCER	23-Feb-2024 00:03		
BACKUP	DSI_031PUP	FN:28	PRODUCER	23-Feb-2024 00:03		

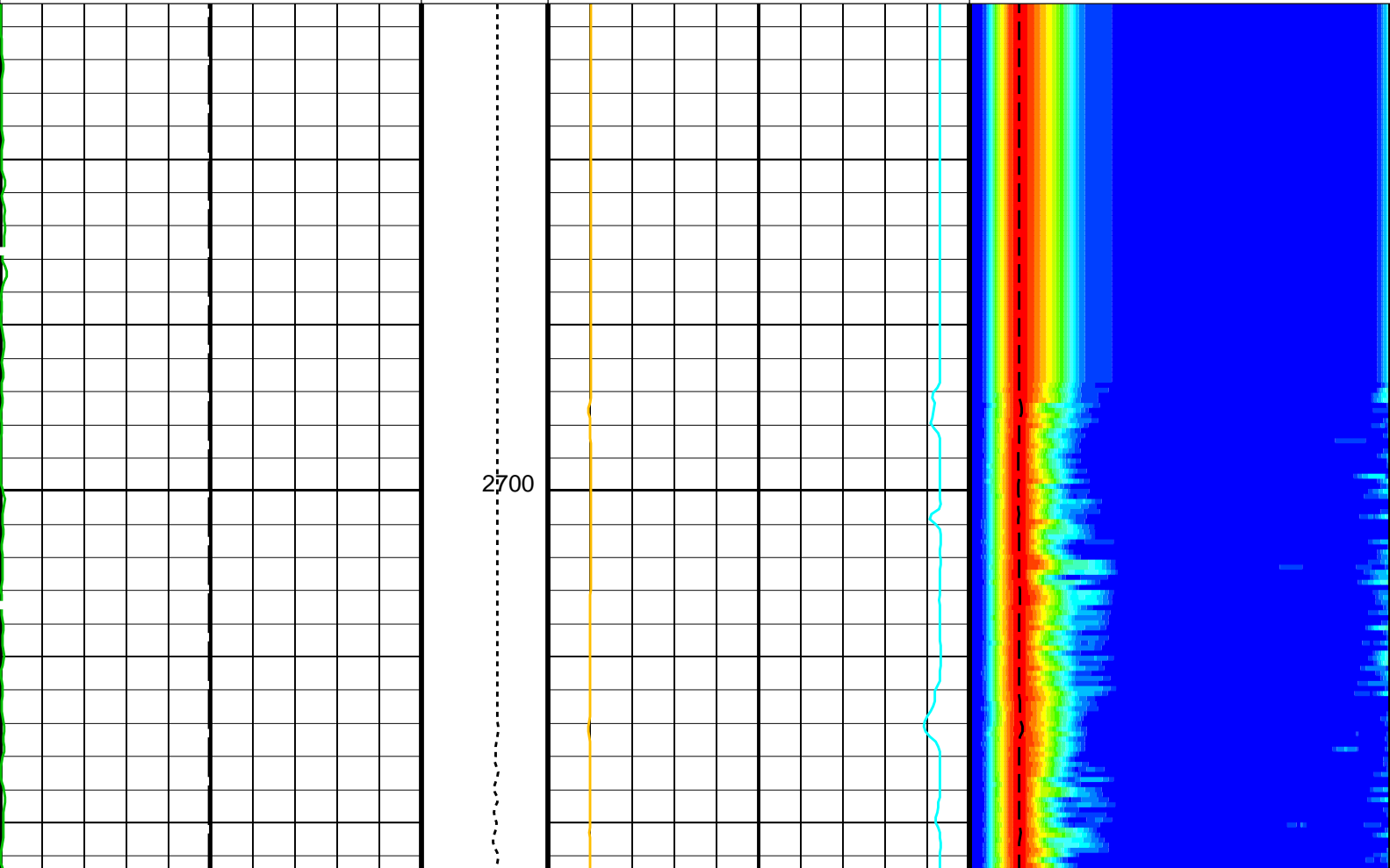
Input DLIS Files						
DEFAULT	Flip_DSI_030LUP		PRODUCER	22-Feb-2024 23:42	2900.2 M	2685.3 M
Output DLIS Files						
DEFAULT	DSI_031PUP	FN:27	PRODUCER	23-Feb-2024 00:03	2900.2 M	2685.3 M
BACKUP	DSI_031PUP	FN:28	PRODUCER	23-Feb-2024 00:03	2900.2 M	2685.3 M

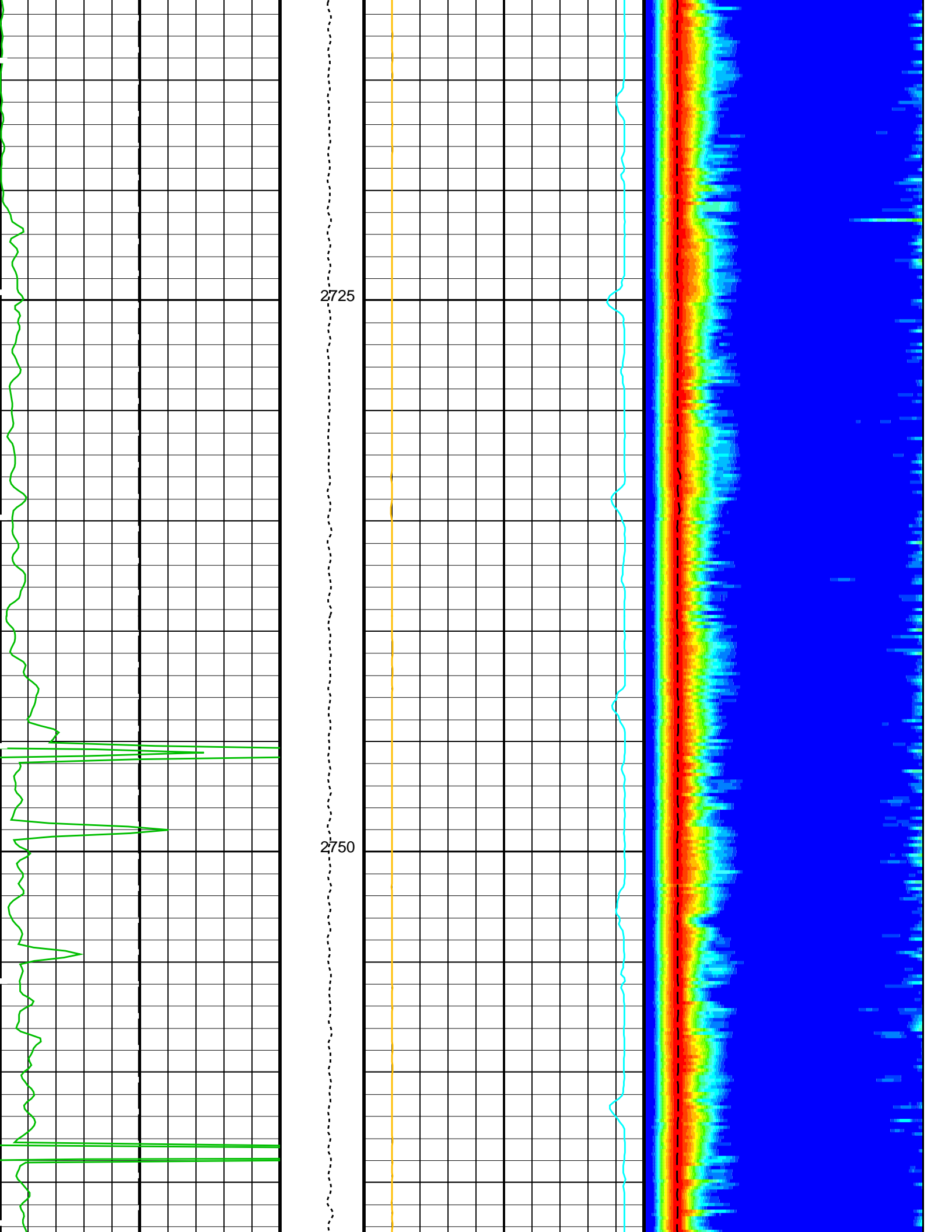
OP System Version: 19C0-187						
DSST-B	19C0-187		EDTC-B	19C0-187		

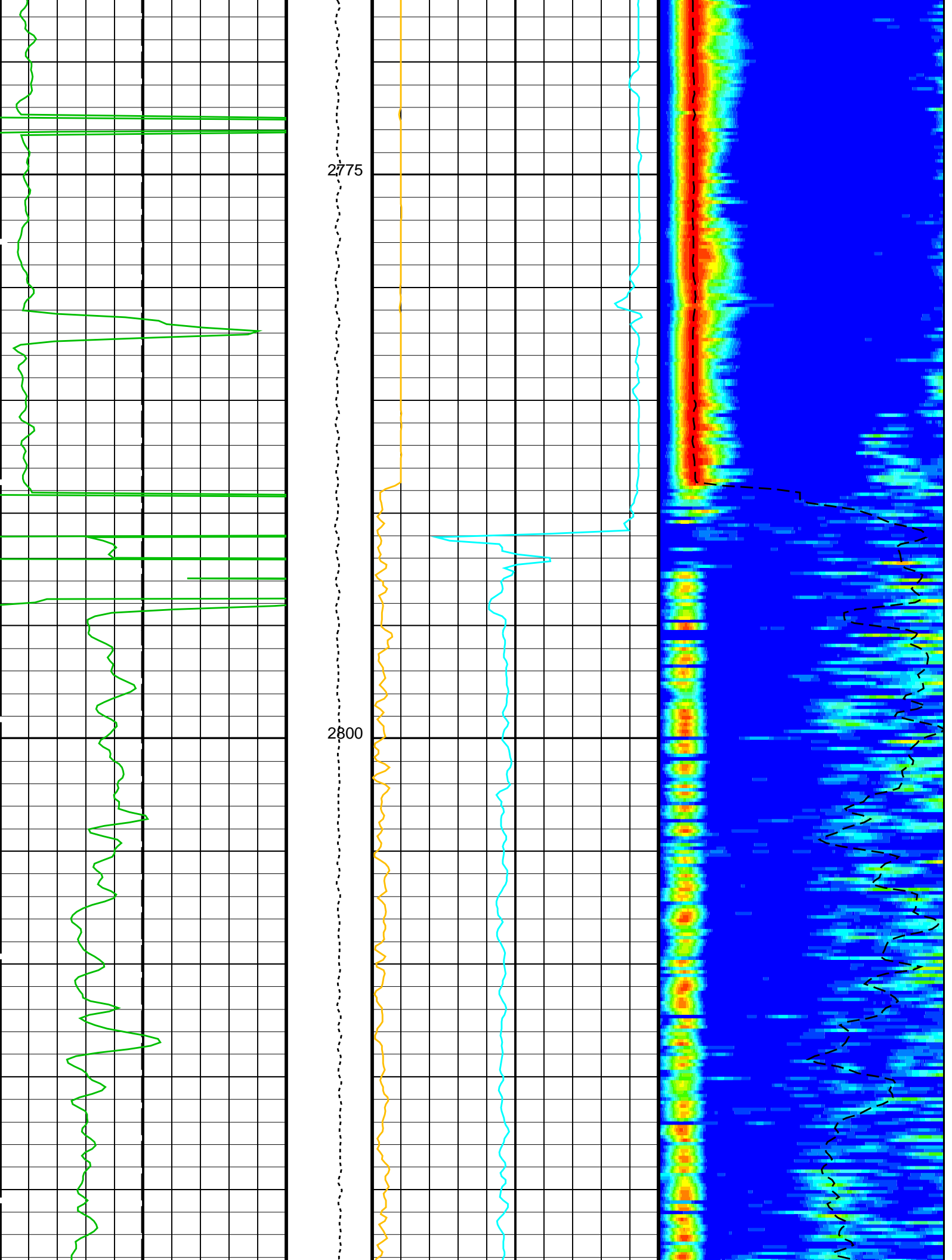
PIP SUMMARY						
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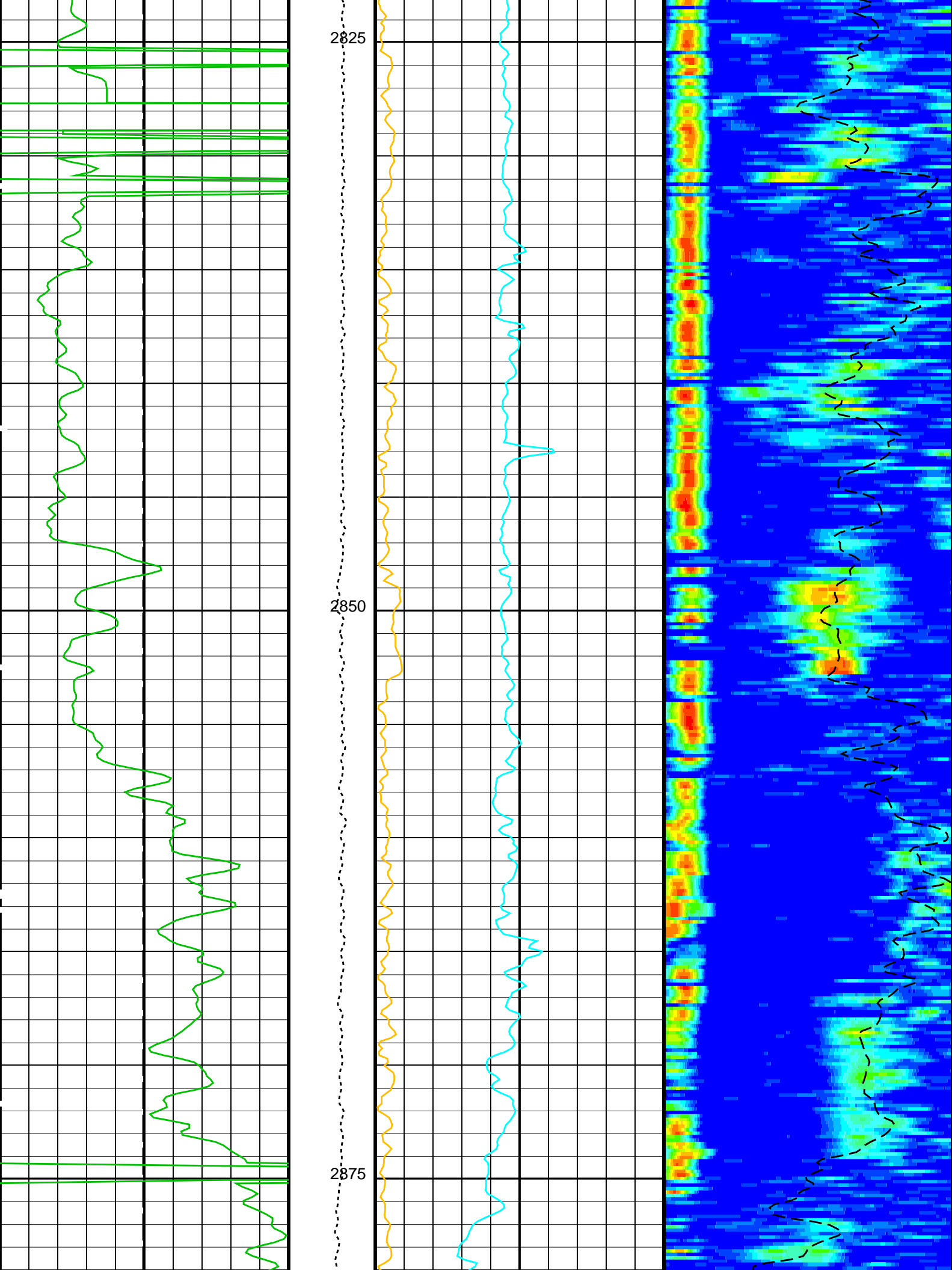
 Time Mark Every 60 S

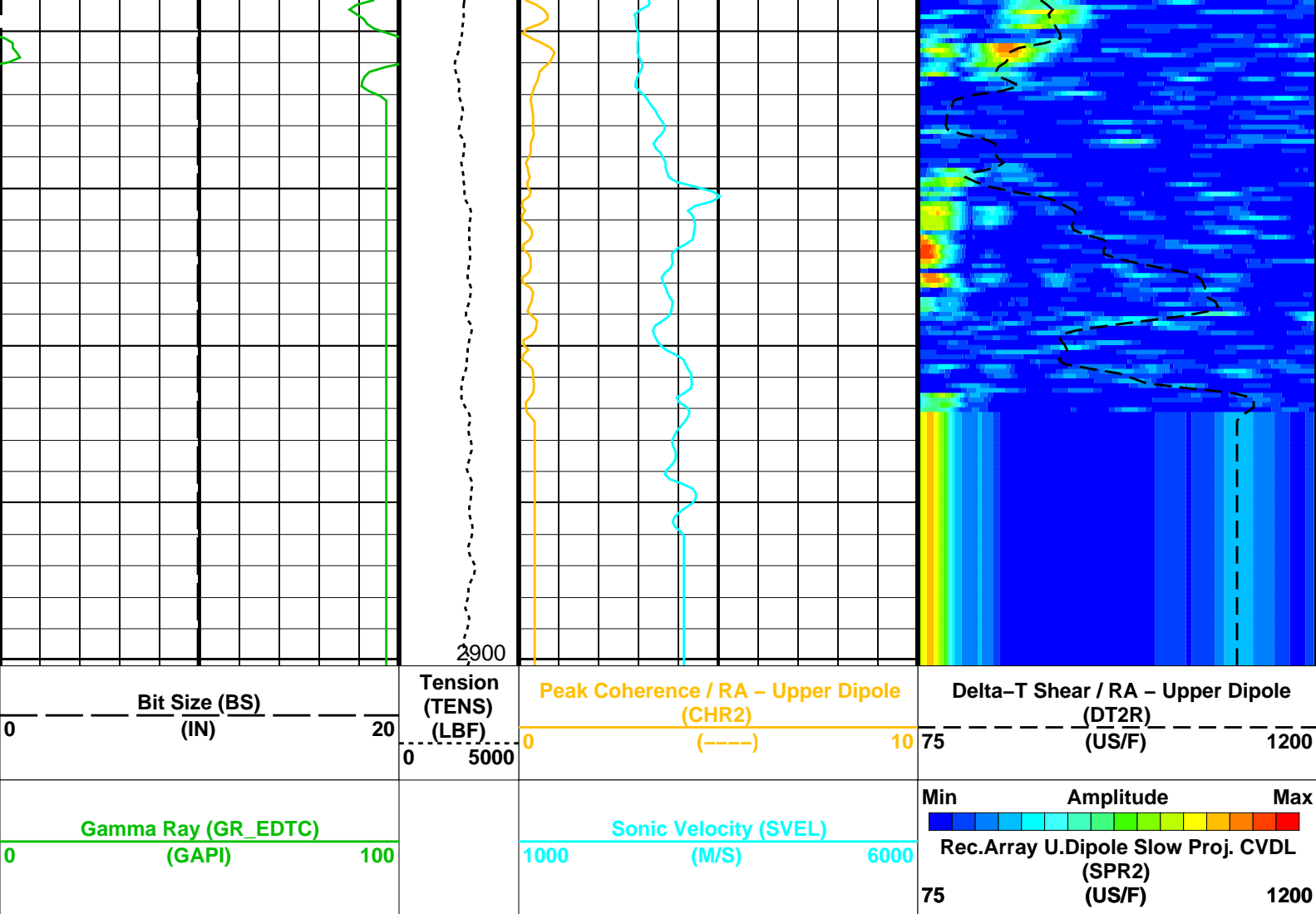
Gamma Ray (GR_EDTC) (GAPI)		Sonic Velocity (SVEL) (M/S)		Min	Amplitude	Max
0	100	1000	6000			
				Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)		
				75		1200
Bit Size (BS) (IN)		Tension (TENS) (LBF)	Peak Coherence / RA – Upper Dipole (CHR2)	Delta-T Shear / RA – Upper Dipole (DT2R) (US/F)		
0	20	0	10	75		1200











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	80	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	WE SAM2	

SW2	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
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2024 00:03

OP System Version: 19C0-187			
DSST-B	19C0-187	EDTC-B	19C0-187

Input DLIS Files					
DEFAULT	Flip_DSI_030LUP	PRODUCER	22-Feb-2024 23:42	2900.2 M	2685.3 M
Output DLIS Files					
DEFAULT	DSI_031PUP	FN:27	PRODUCER	23-Feb-2024 00:03	
BACKUP	DSI_031PUP	FN:28	PRODUCER	23-Feb-2024 00:03	

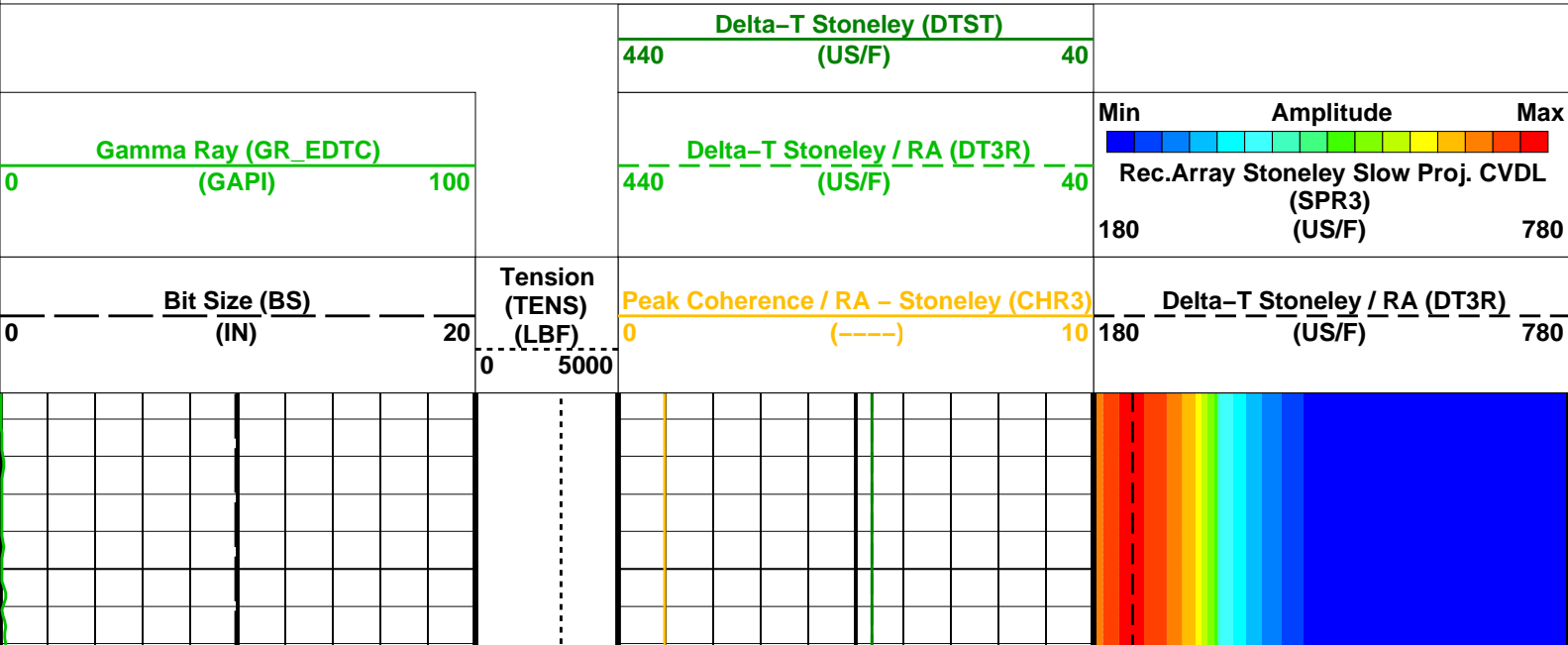
Company: International Ocean Discovery Program Well: Expedition 402, Site U1613A

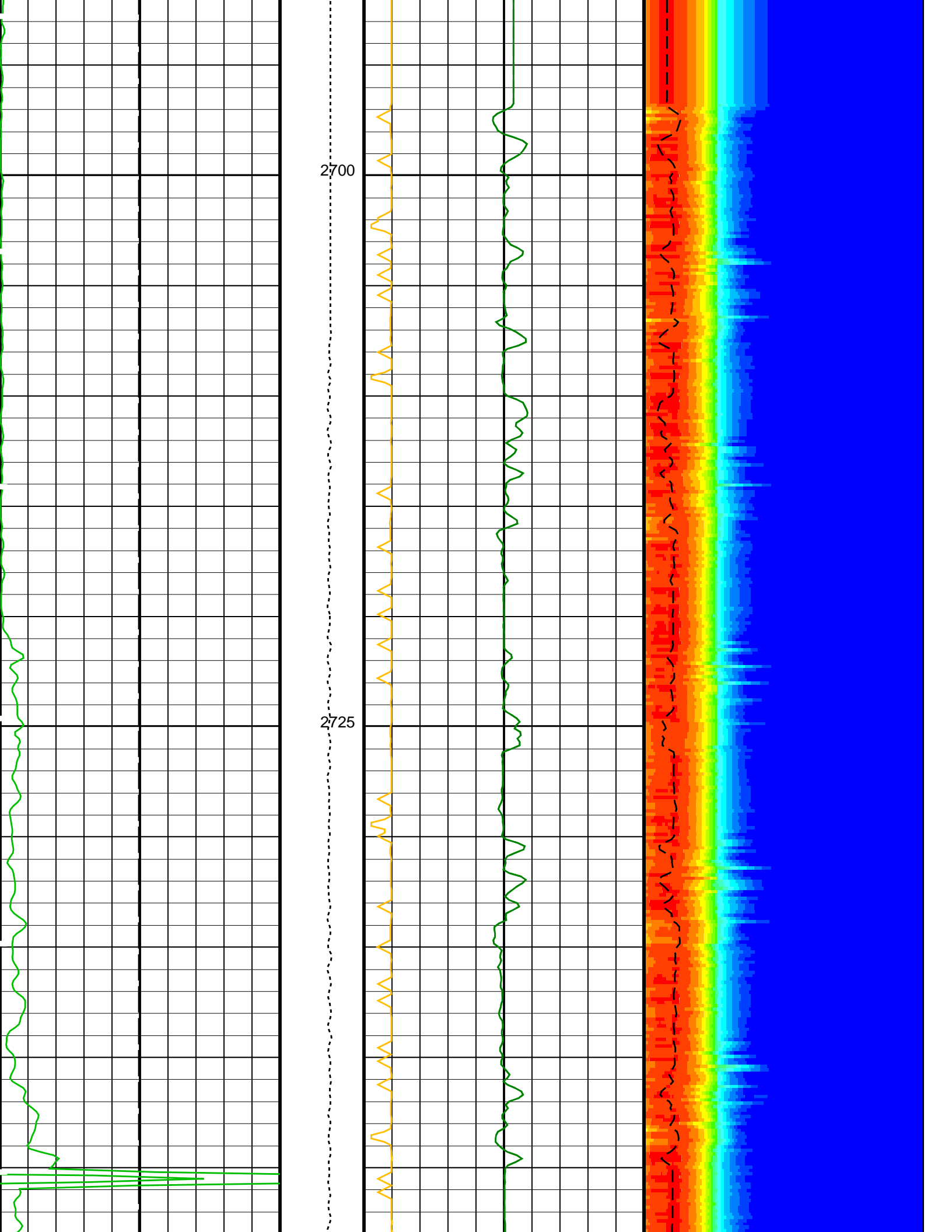
Input DLIS Files					
DEFAULT	Flip_DSI_030LUP	PRODUCER	22-Feb-2024 23:42	2900.2 M	2685.3 M
Output DLIS Files					
DEFAULT	DSI_031PUP	FN:27	PRODUCER	23-Feb-2024 00:03	2900.2 M 2685.3 M
BACKUP	DSI_031PUP	FN:28	PRODUCER	23-Feb-2024 00:03	2900.2 M 2685.3 M

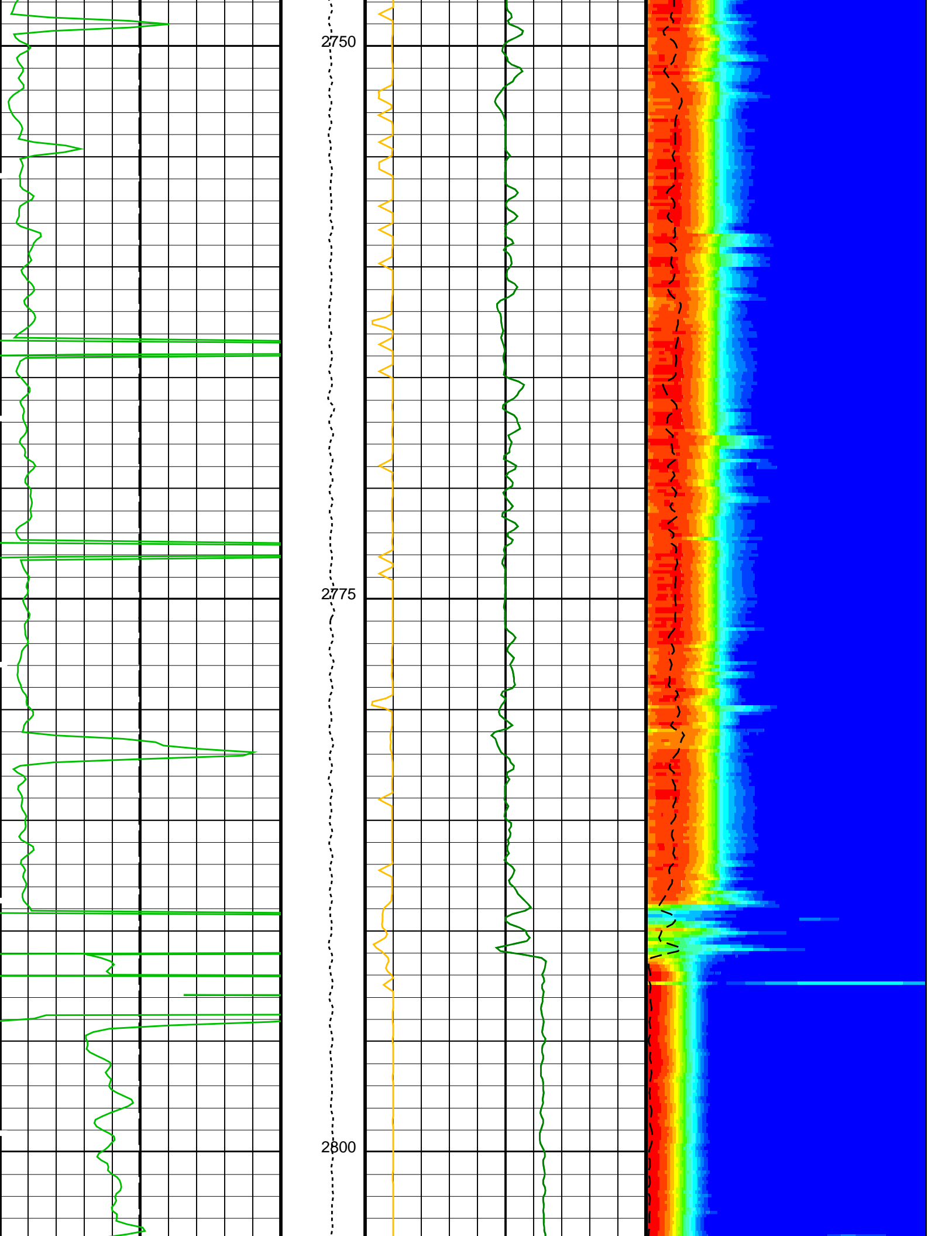
OP System Version: 19C0-187			
DSST-B	19C0-187	EDTC-B	19C0-187

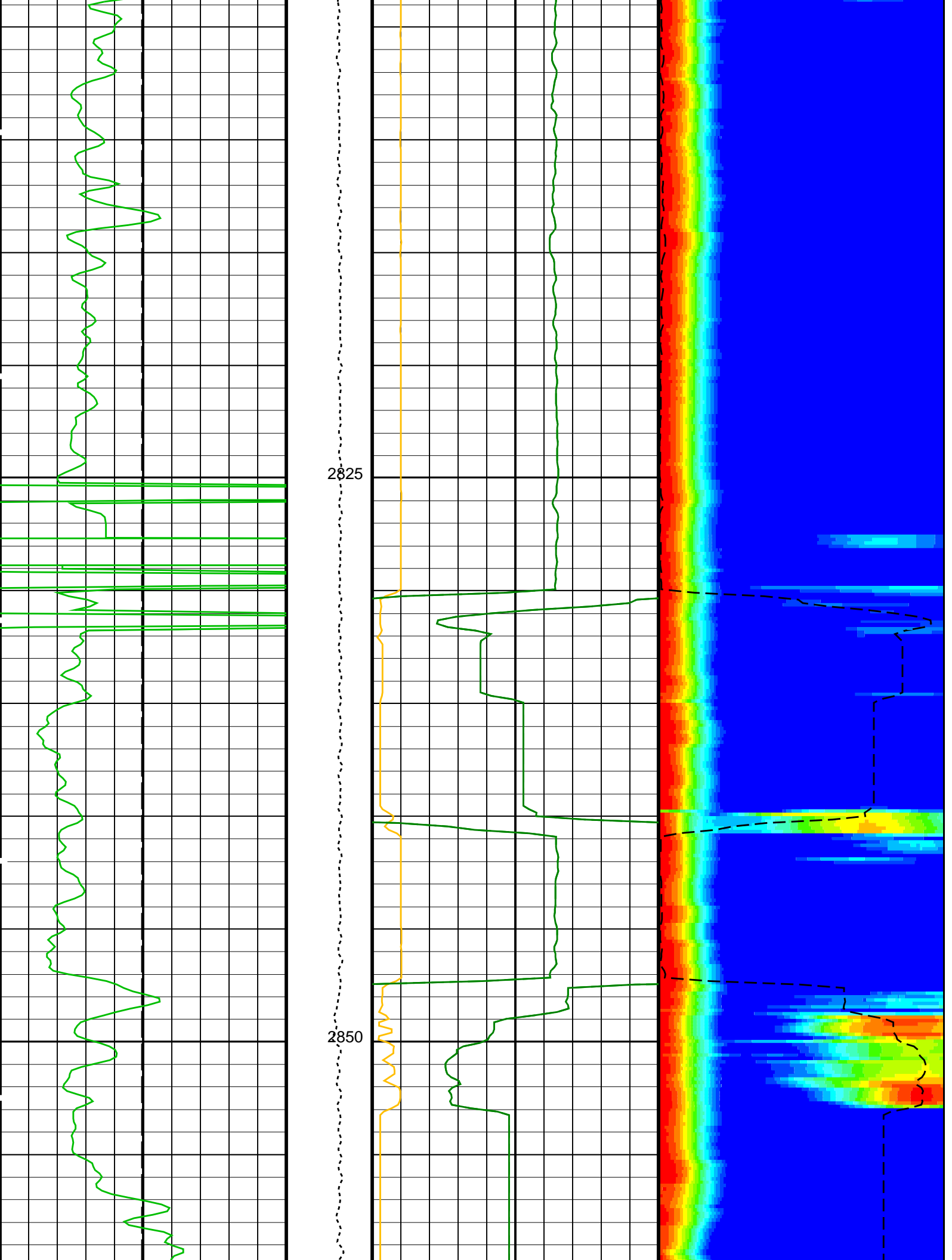
PIP SUMMARY

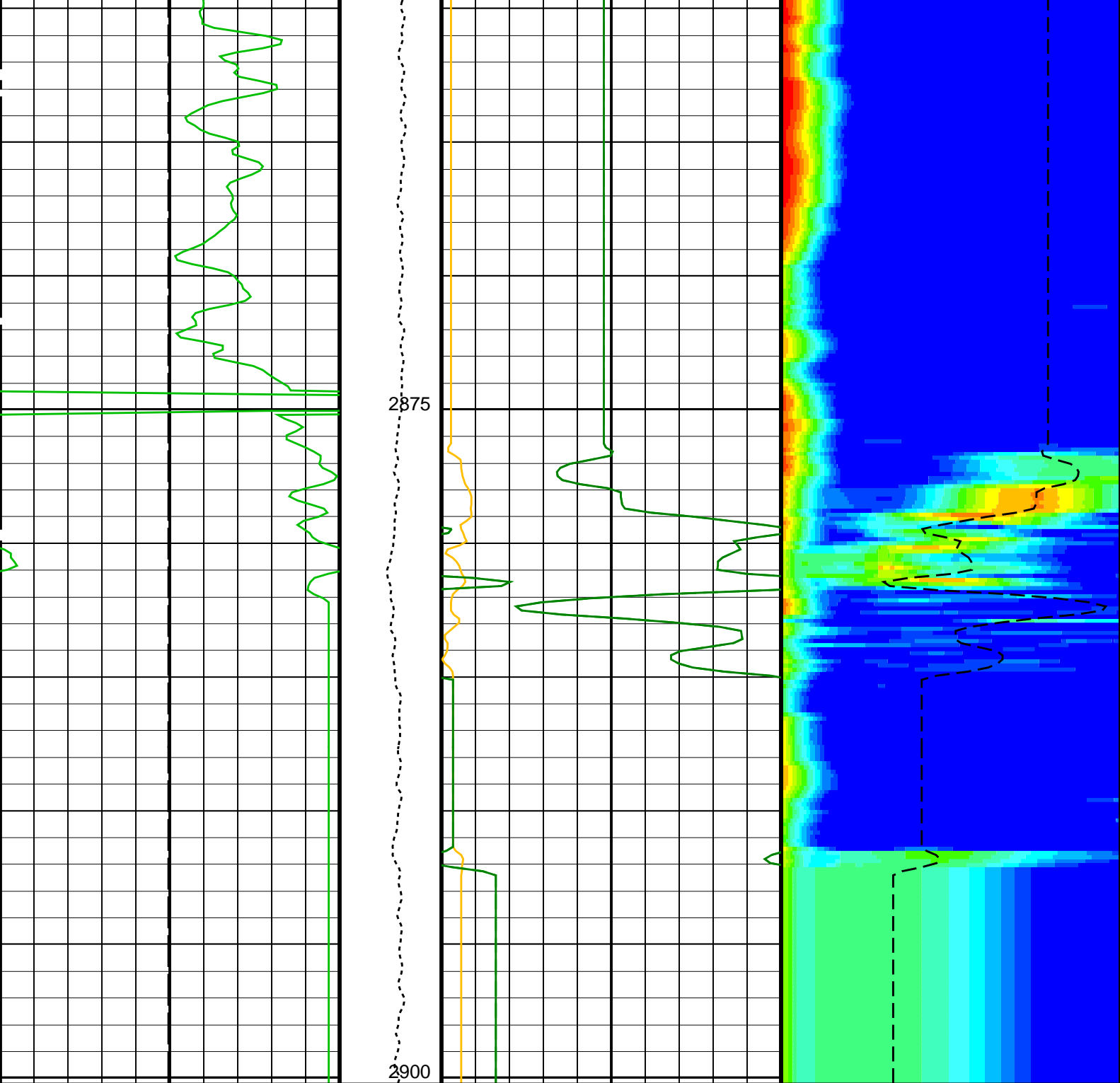
Time Mark Every 60 S











<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>-----</div>	<div>Delta-T Stoneley / RA (DT3R)</div> <div>180780</div> <div>(US/F)</div>
<div>Gamma Ray (GR_EDTC)</div> <div>(GAPI)</div> <div>0100</div>		<div>Delta-T Stoneley / RA (DT3R)</div> <div>(US/F)</div> <div>44040</div>	<div>MinAmplitudeMax</div> <div>Rec.Array Stoneley Slow Proj. CVDL</div> <div>(SPR3)</div> <div>(US/F)</div> <div>180780</div>
		<div>Delta-T Stoneley (DTST)</div> <div>(US/F)</div> <div>44040</div>	

PIP SUMMARY

Time Mark Every 60 S

DLIS Name	Description	Parameters	Value
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DSST Name	Description	Value	Units
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	RECOMPUTE	

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2024 00:03

OP System Version: 19C0–187						
DSST–B	19C0–187	EDTC–B		19C0–187		
Input DLIS Files						
DEFAULT	Flip_DSI_030LUP	PRODUCER	22–Feb–2024 23:42	2900.2 M	2685.3 M	
Output DLIS Files						
DEFAULT	DSI_031PUP	FN:27	PRODUCER	23–Feb–2024 00:03		
BACKUP	DSI_031PUP	FN:28	PRODUCER	23–Feb–2024 00:03		

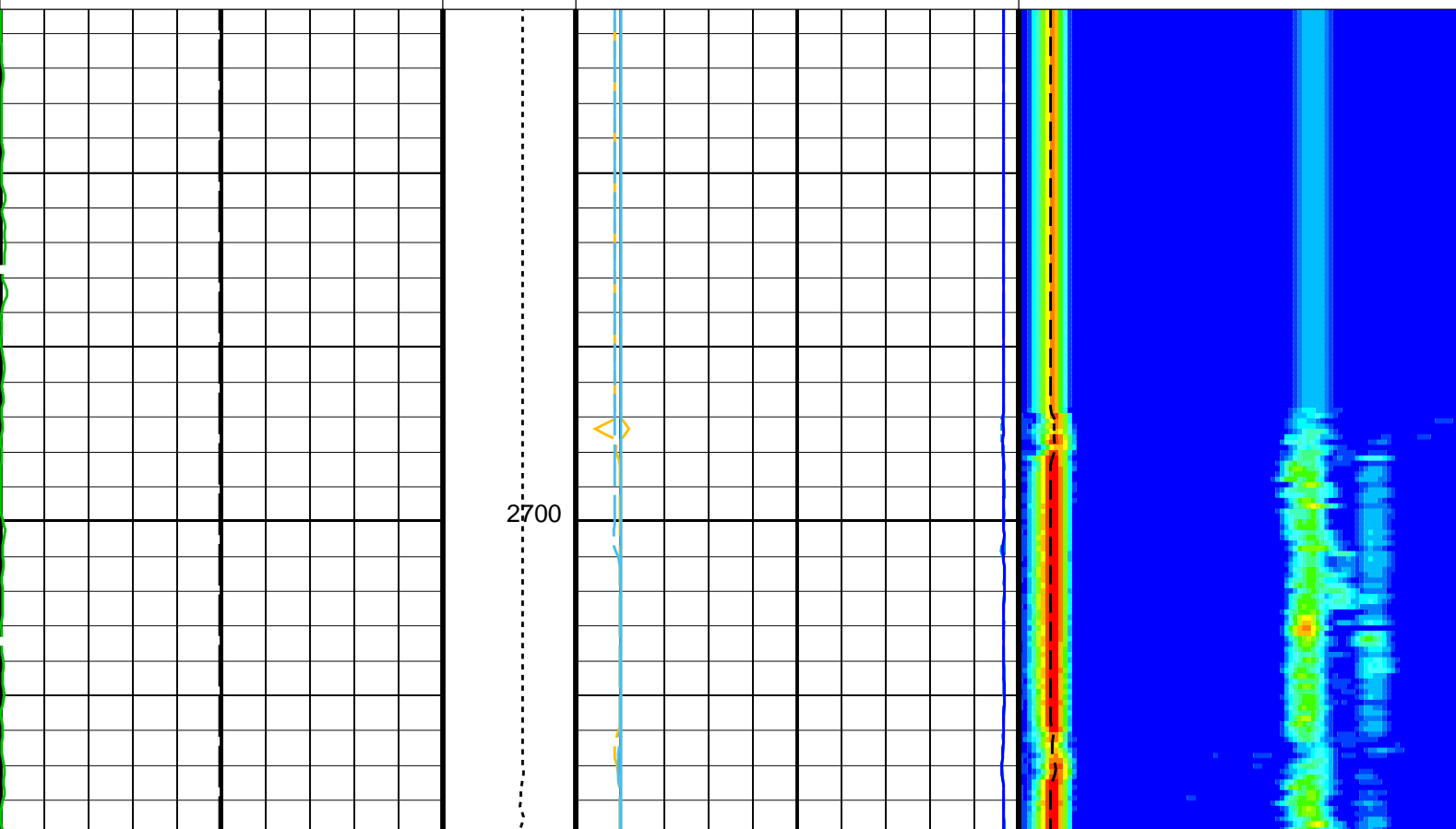
Company: International Ocean Discovery Program Well: Expedition 402, Site U1613A

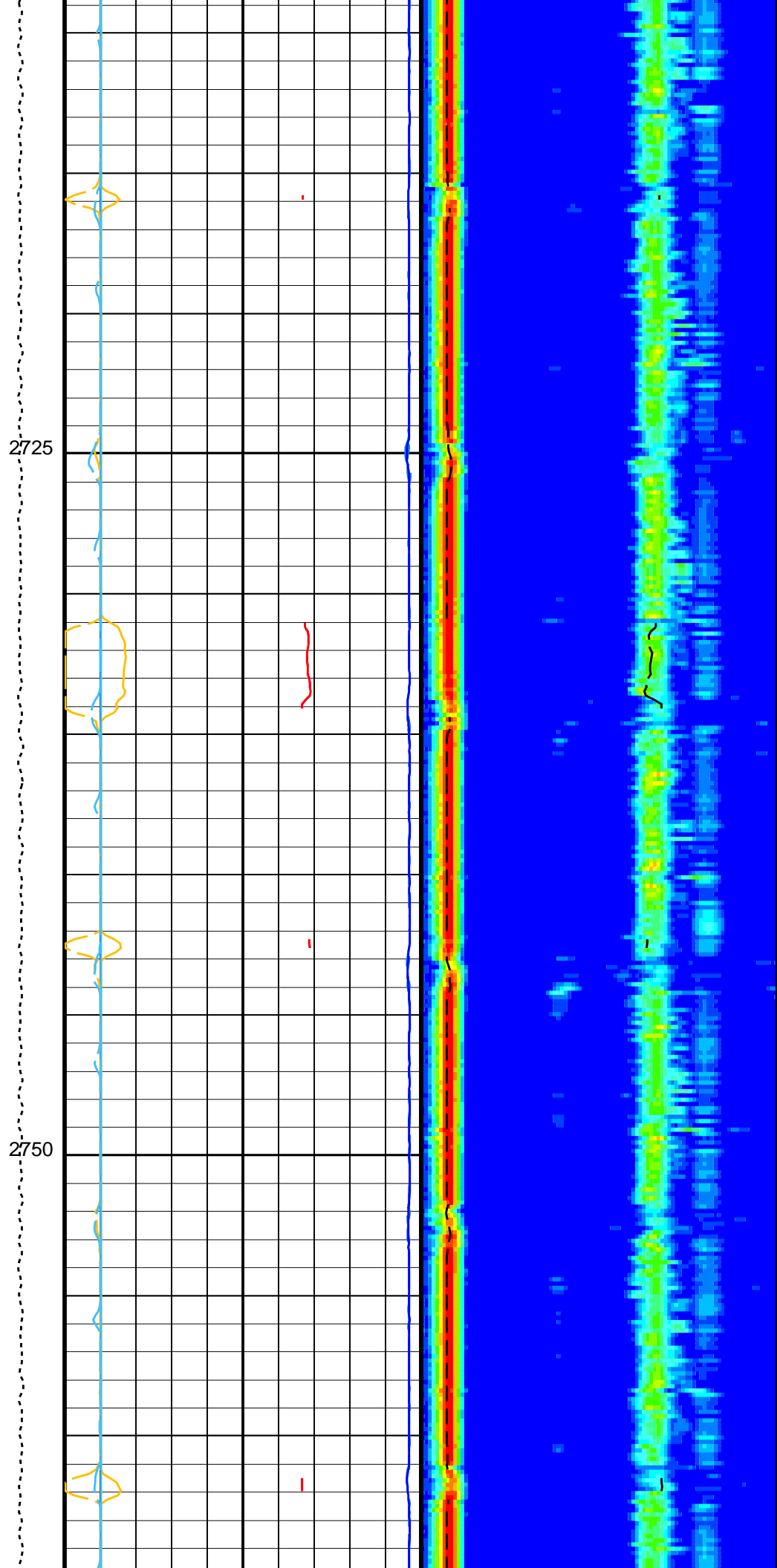
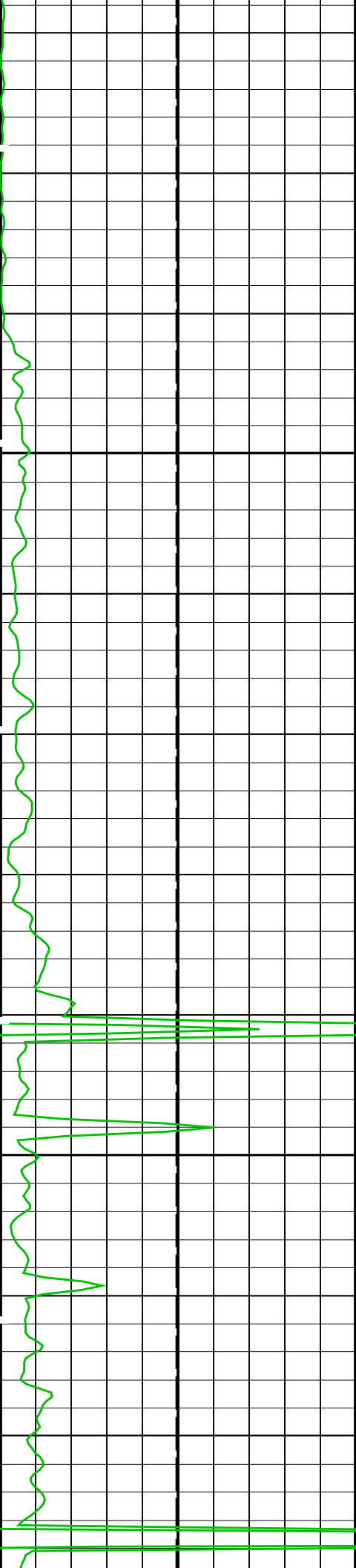
Input DLIS Files					
DEFAULT	Flip_DSI_030LUP	PRODUCER	22-Feb-2024 23:42	2900.2 M	2685.3 M
Output DLIS Files					
DEFAULT	DSI_031PUP	FN:27	PRODUCER	23-Feb-2024 00:03	2900.2 M 2685.3 M
BACKUP	DSI_031PUP	FN:28	PRODUCER	23-Feb-2024 00:03	2900.2 M 2685.3 M

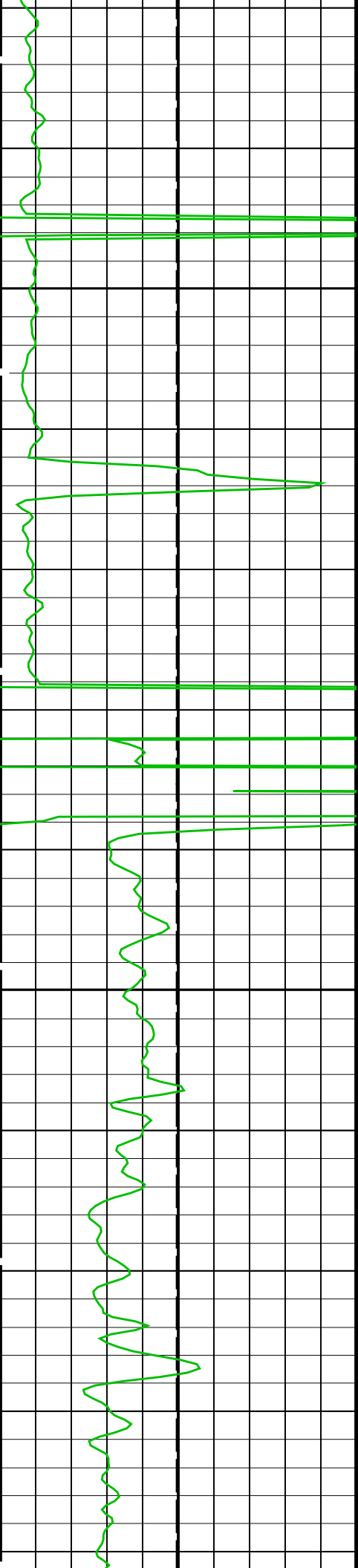
OP System Version: 19C0–187

Time Mark Every 60 S

		<div>Peak Coherence / TA – P & S Shear (CHTS)</div> <div>-1 (----) 9</div>	
		<div>Peak Coherence / RA – P & S Shear (CHRS)</div> <div>-1 (----) 9</div>	
		<div>Delta-T Shear – P & S (DT4S)</div> <div>440 (US/F) 40</div>	
		<div>Delta-T Shear / TA – P & S (DTTS)</div> <div>440 (US/F) 40</div>	
		<div>Delta-T Shear / RA – P & S (DTRS)</div> <div>440 (US/F) 40</div>	
		<div>Delta-T Comp – P & S (DT4P)</div> <div>440 (US/F) 40</div>	
		<div>Delta-T Comp / TA – P & S (DTPP)</div> <div>440 (US/F) 40</div>	
		<div>Delta-T Comp / RA – P & S (DTRP)</div> <div>440 (US/F) 40</div>	<div>Min Amplitude Max</div> <div>Rec.Array P&S Slow Proj. CVDL (SPR4)</div> <div>40 (US/F) 240</div>
<div>Gamma Ray (GR_EDTC)</div> <div>0 (GAPI) 100</div>		<div>Peak Coherence / TA – P & S Comp (CHTP)</div> <div>0 (----) 10</div>	<div>Delta-T Shear / RA – P & S (DTRS)</div> <div>40 (US/F) 240</div>
<div>Bit Size (BS)</div> <div>0 (IN) 20</div>	<div>Tension (TENS)</div> <div>(LBF)</div> <div>0 5000</div>	<div>Peak Coherence / RA – P & S Comp (CHRP)</div> <div>0 (----) 10</div>	<div>Delta-T Comp / RA – P & S (DTRP)</div> <div>40 (US/F) 240</div>

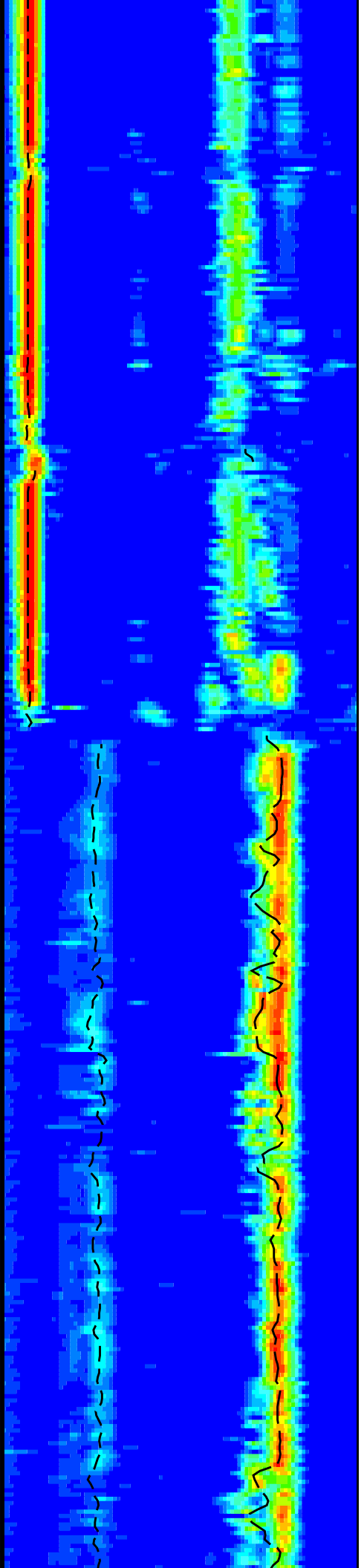


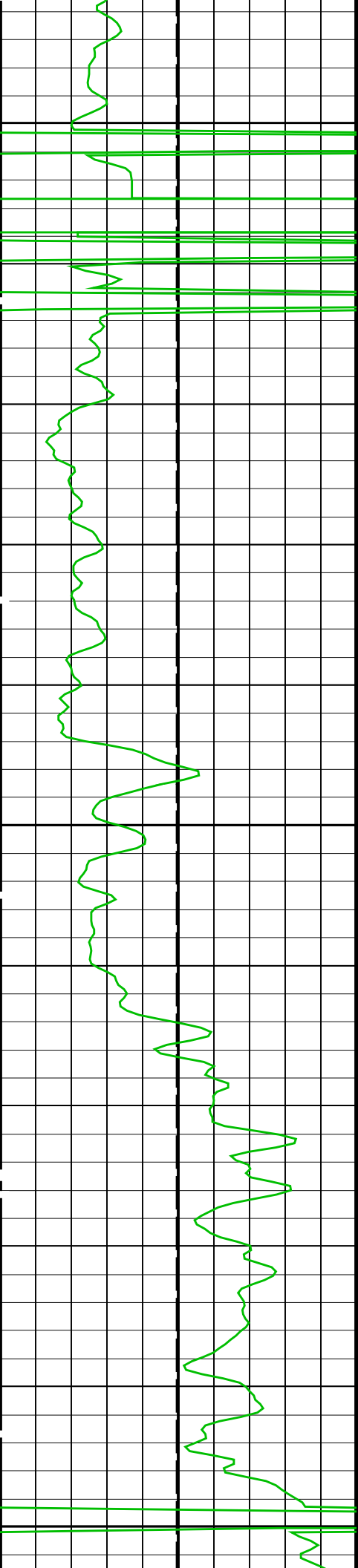




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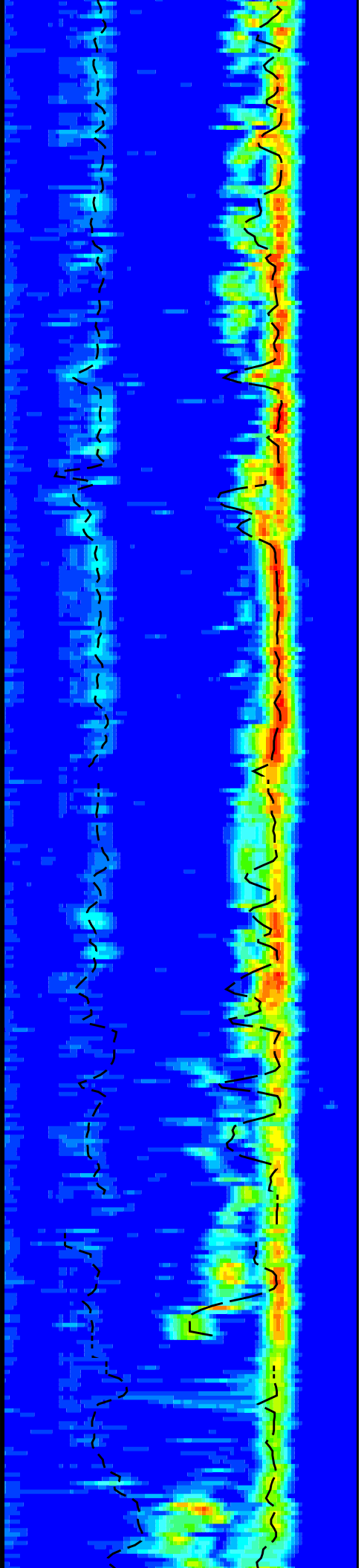
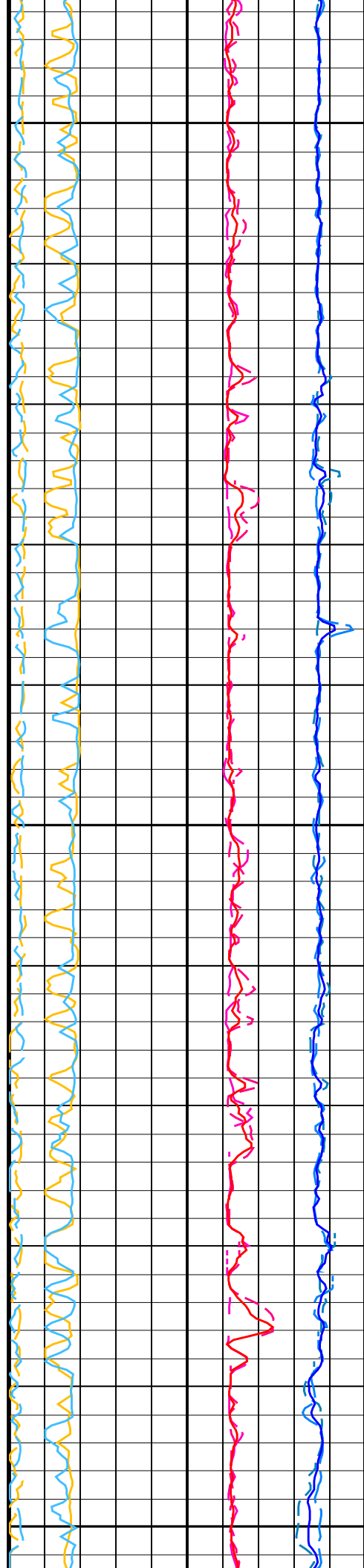


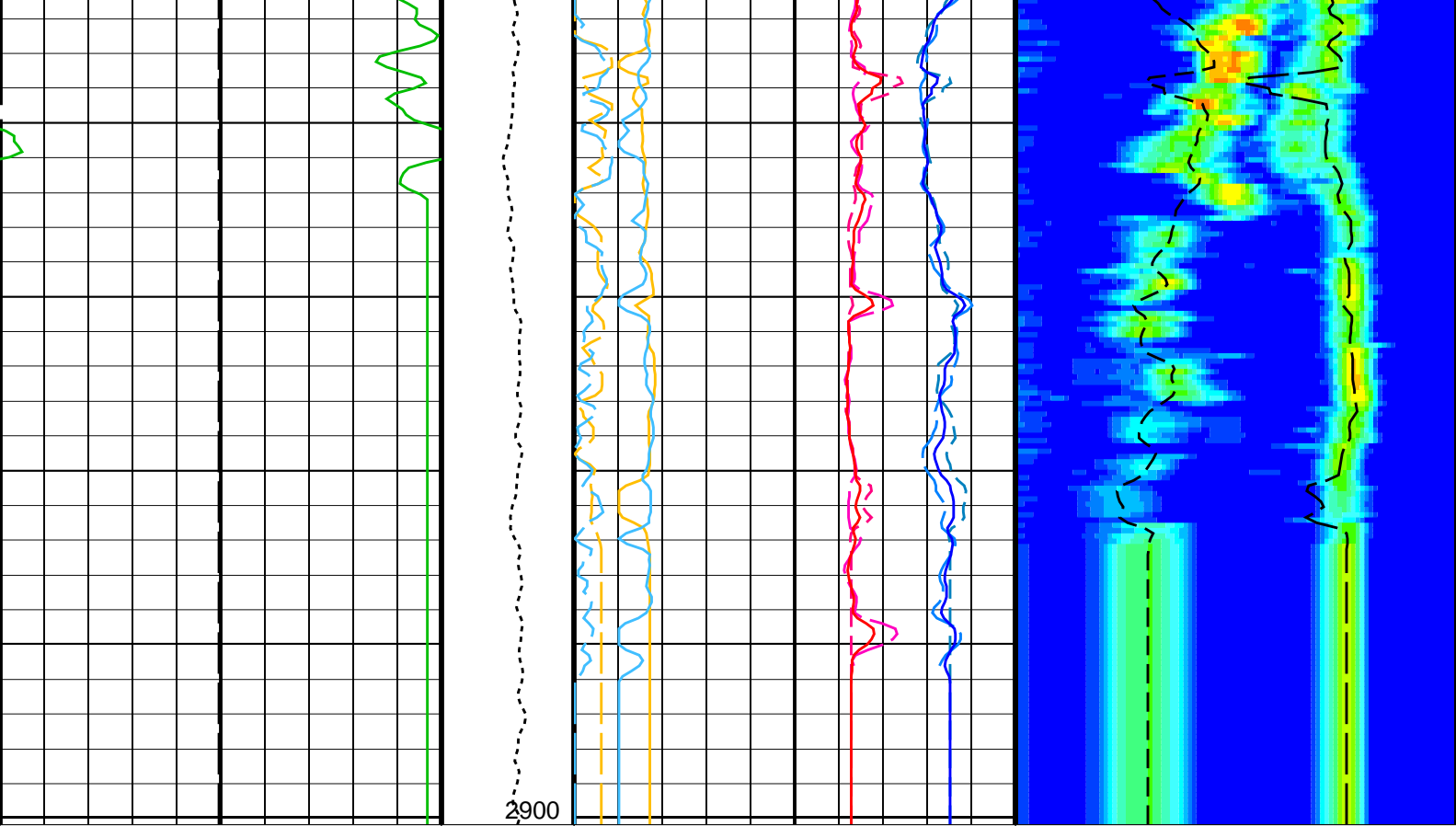


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0	Bit Size (BS)	20	Tension (TENS) (LBF)	0	5000	Peak Coherence / RA – P & S Comp (CHRP)	0	10	Delta–T Comp / RA – P & S (DTRP)	40	240
	(IN)					(-----)		(US/F)			
0	Gamma Ray (GR_EDTC) (GAPI)	100				Peak Coherence / TA – P & S Comp (CHTP)	0	10	Delta–T Shear / RA – P & S (DTRS)	40	240
						(-----)			(US/F)		
						Delta–T Comp / RA – P & S (DTRP)	440	40	<div>MinAmplitudeMax</div> <div>Rec.Array P&S Slow Proj. CVDL (SPR4)</div> <div>40(US/F)240</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			
						(-----)					
						Peak Coherence / TA – P & S Shear (CHTS)	–1	9			
						(-----)					

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	130	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	
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	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR		Vertical Scale: 1:200		Graphics File Created: 23-Feb-2024 00:03	
OP System Version: 19C0-187					
DSST-B	19C0-187	EDTC-B	19C0-187		
Input DLIS Files					
DEFAULT	Flip_DSI_030LUP	PRODUCER	22-Feb-2024 23:42	2900.2 M	2685.3 M
Output DLIS Files					
DEFAULT	DSI_031PUP	FN:27	PRODUCER	23-Feb-2024 00:03	
BACKUP	DSI_031PUP	FN:28	PRODUCER	23-Feb-2024 00:03	

Input DLIS Files

DEFAULT	DSI_027LUP	FN:23	PRODUCER	22-Feb-2024 22:57	2902.3 M	2711.7 M
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Output DLIS Files

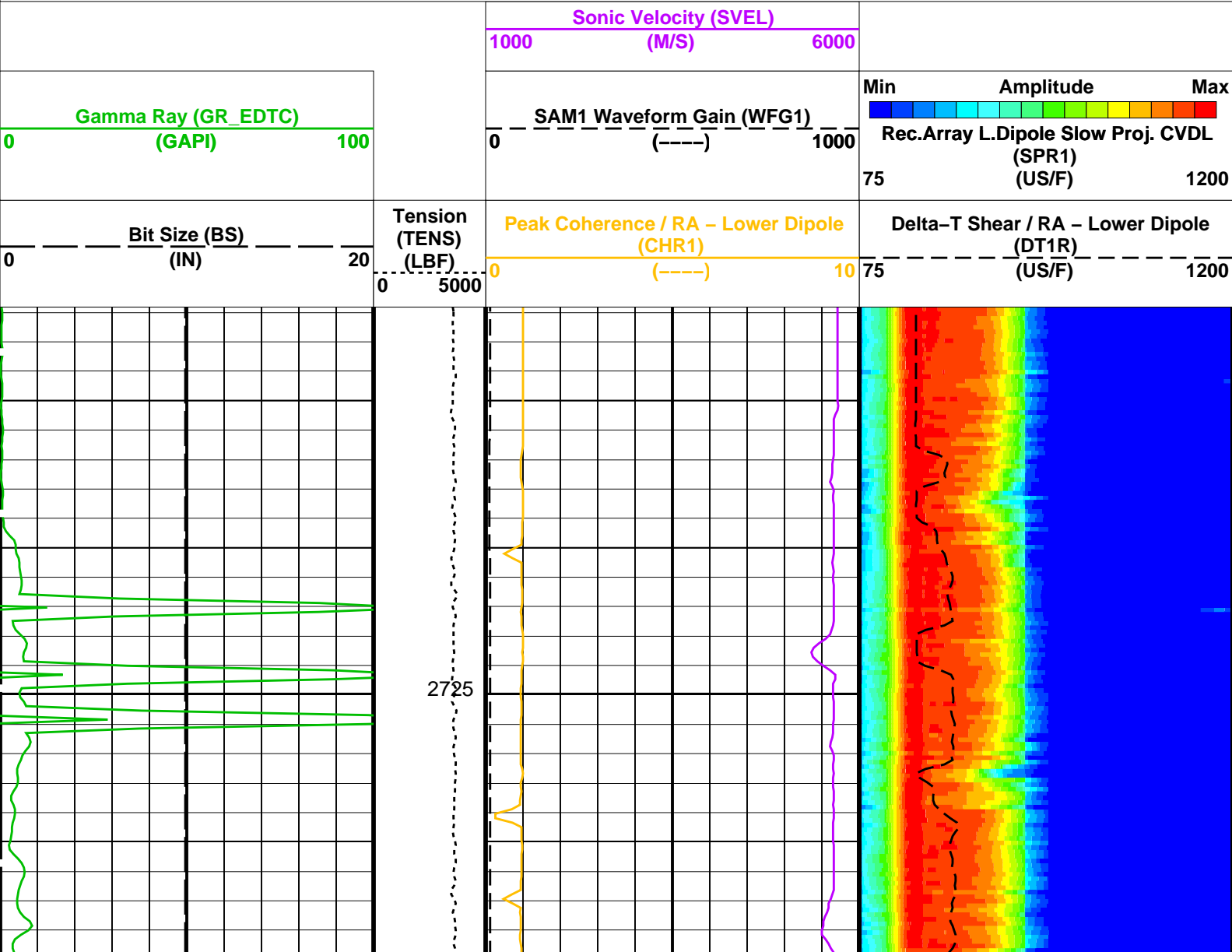
DEFAULT	DSI_035PUP	FN:35	PRODUCER	23-Feb-2024 00:09	2902.3 M	2711.8 M
BACKUP	DSI_035PUP	FN:36	PRODUCER	23-Feb-2024 00:09	2902.3 M	2711.8 M

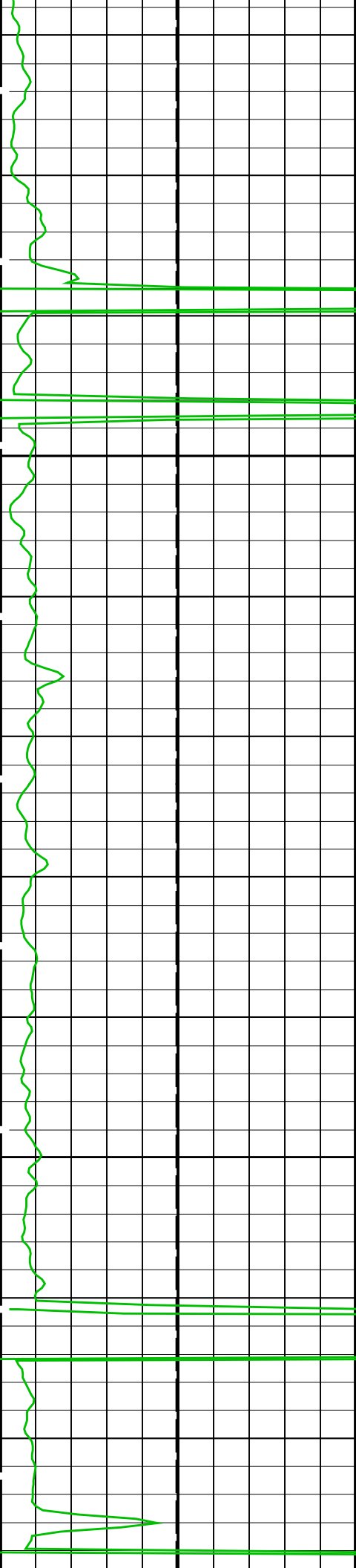
OP System Version: 19C0-187

DSST-B	19C0-187	EDTC-B	19C0-187
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PIP SUMMARY

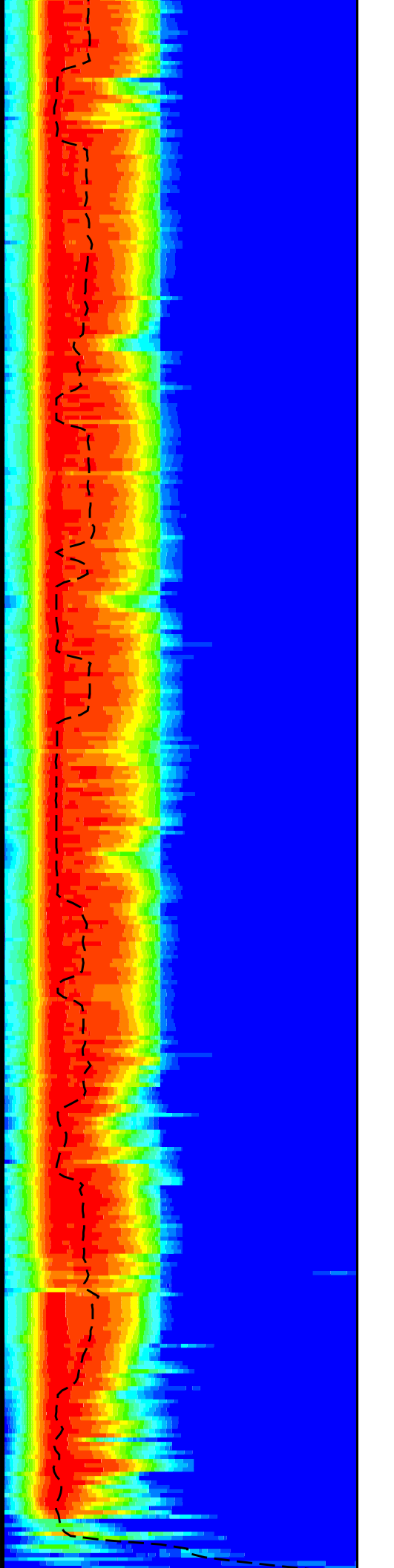
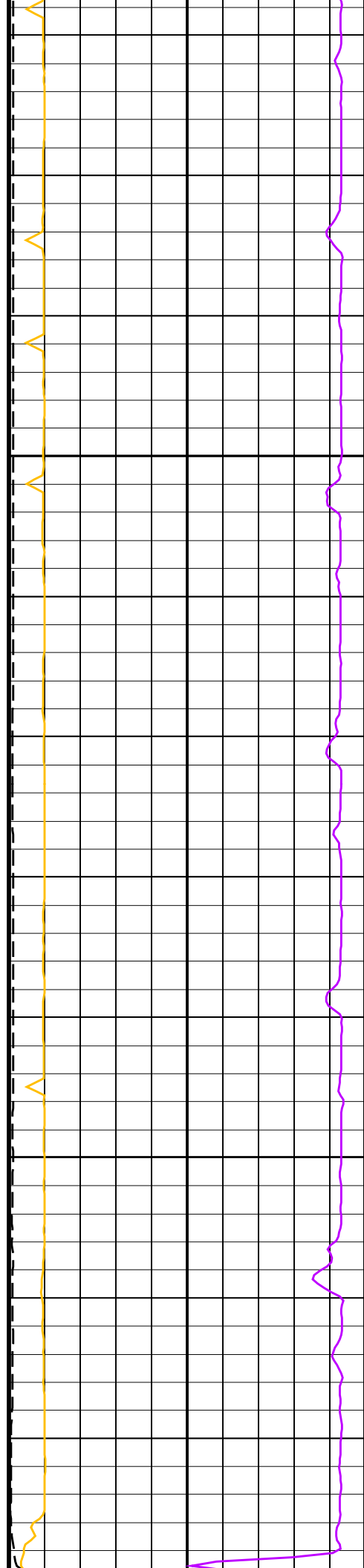
Time Mark Every 60 S

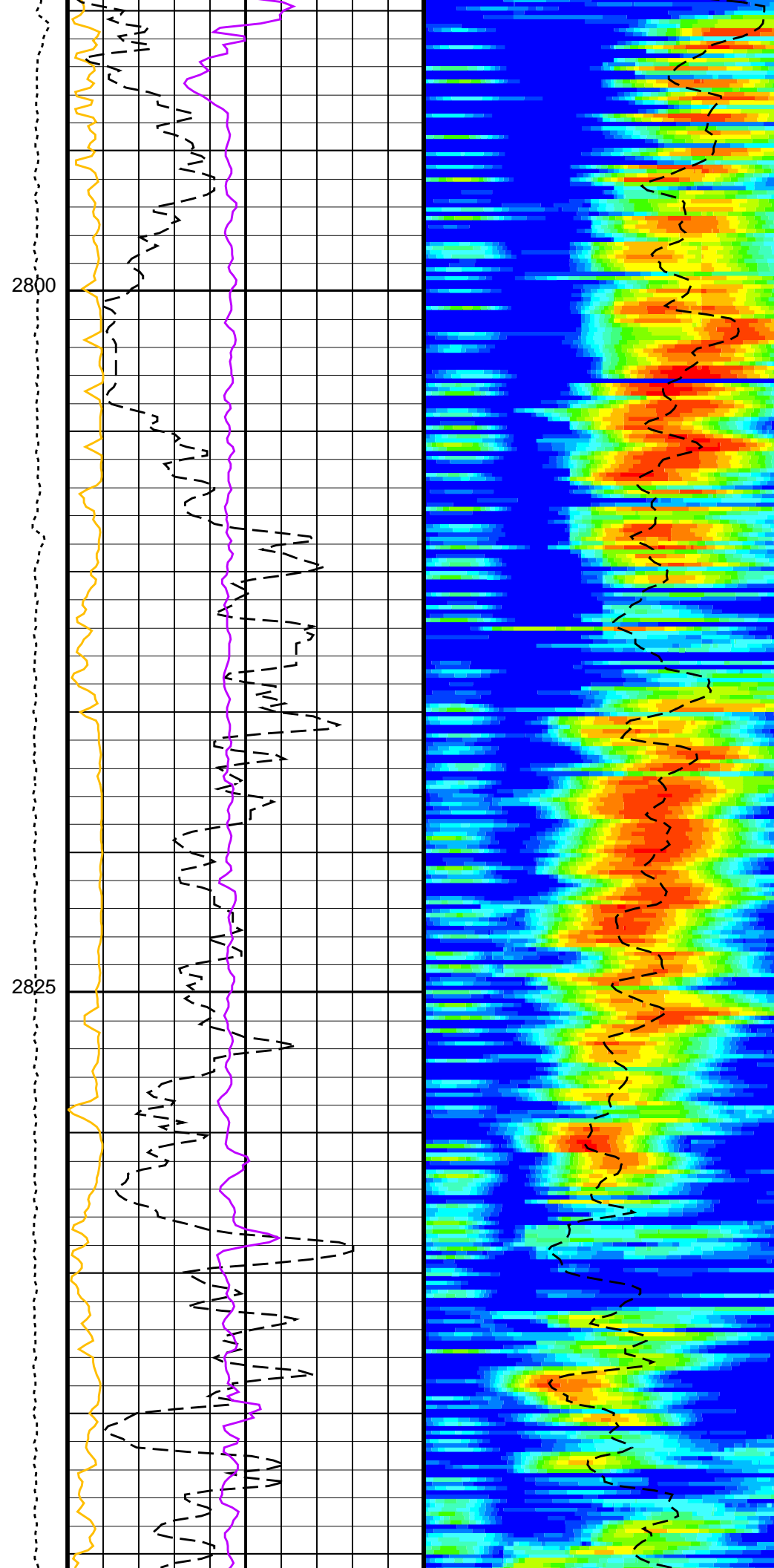
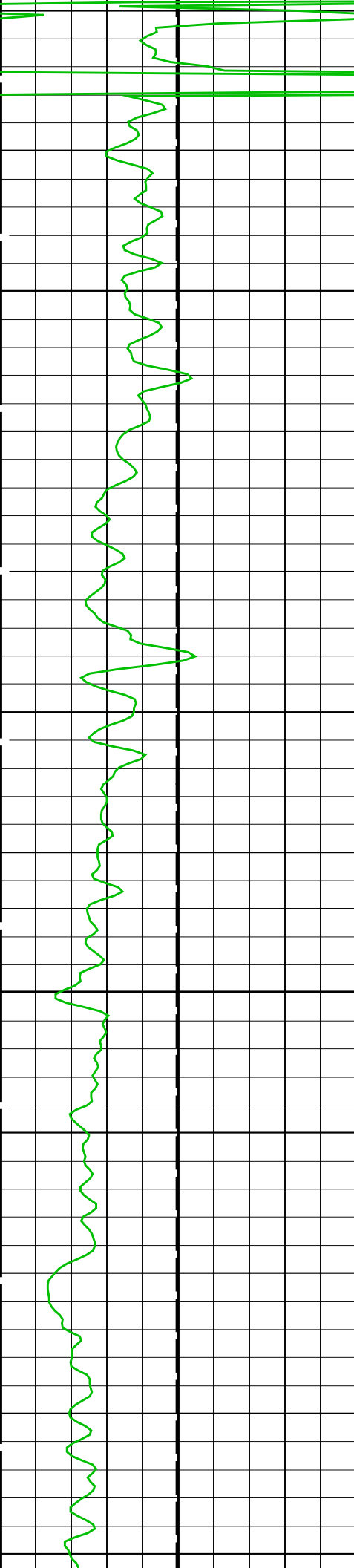


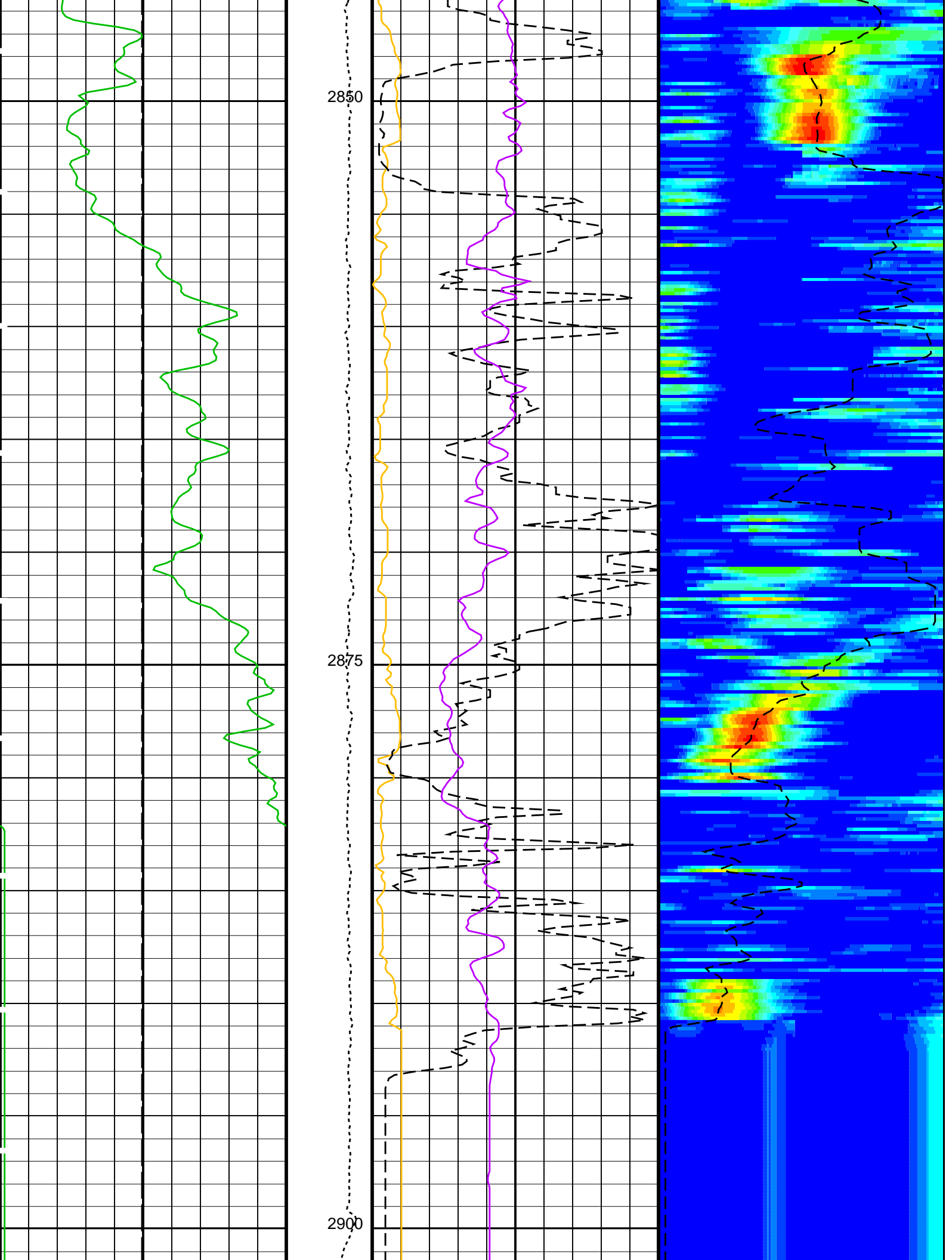


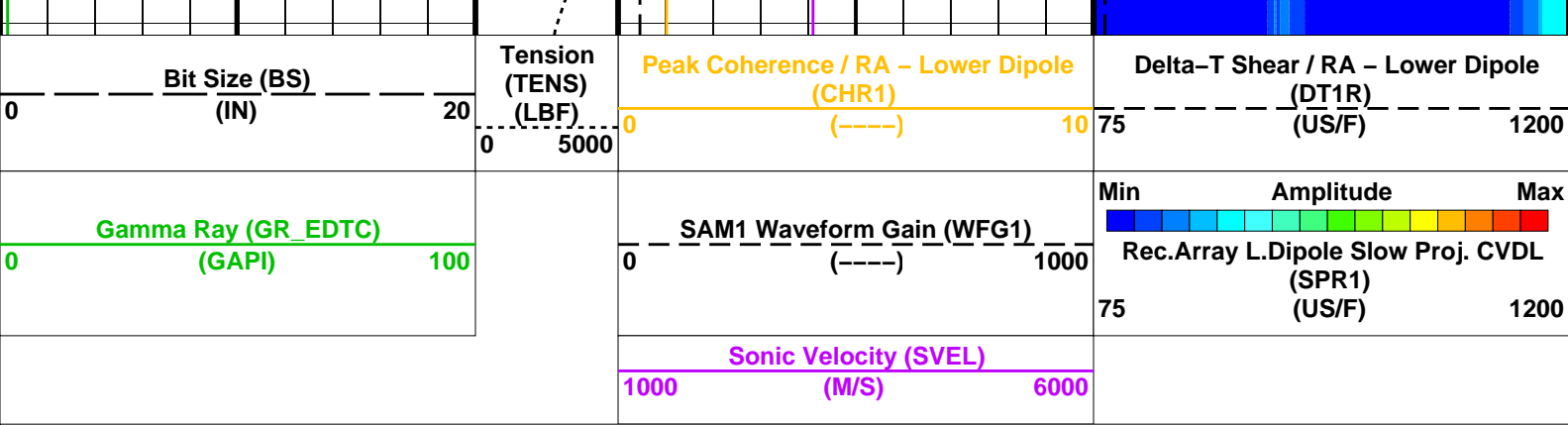
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PIP SUMMARY

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	200 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
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
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	RECOMPUTE

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2024 00:09

OP System Version: 19C0-187

DSST-B 19C0-187 EDTC-B 19C0-187

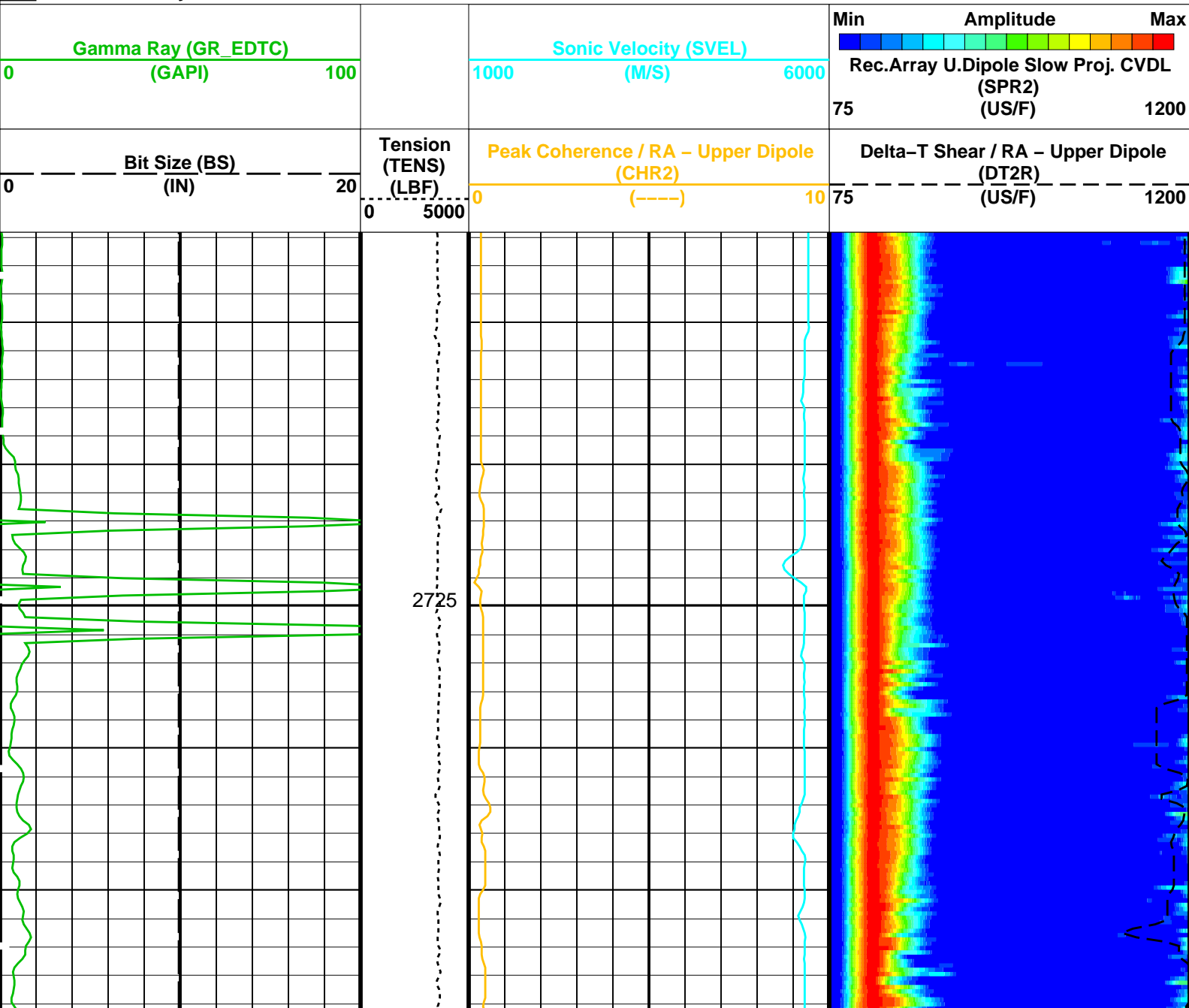
Input DLIS Files

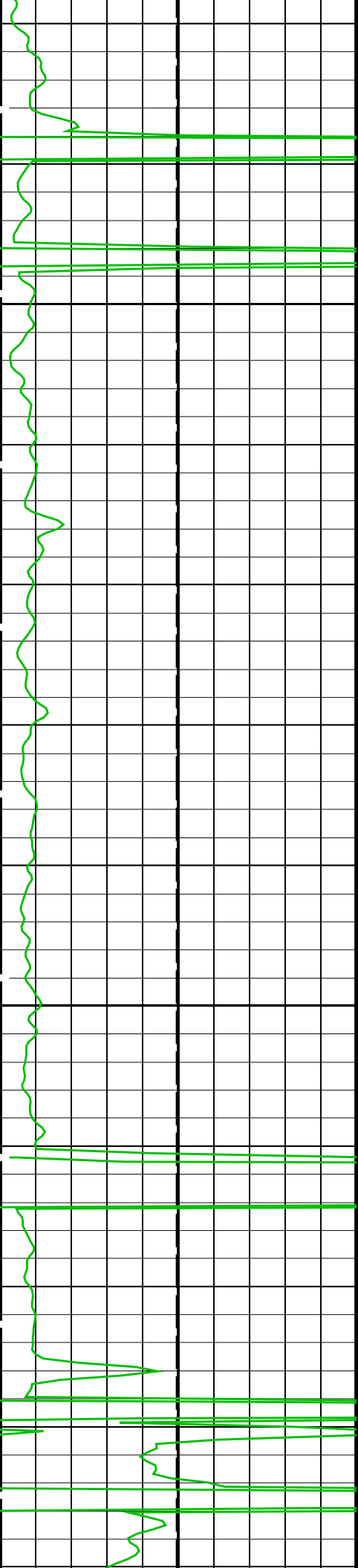
DEFAULT	DSI_027LUP	FN:23	PRODUCER	22-Feb-2024 22:57	2902.3 M	2711.7 M
Output DLIS Files						
DEFAULT	DSI_035PUP	FN:35	PRODUCER	23-Feb-2024 00:09		
BACKUP	DSI_035PUP	FN:36	PRODUCER	23-Feb-2024 00:09		

Input DLIS Files						
DEFAULT	DSI_027LUP	FN:23	PRODUCER	22-Feb-2024 22:57	2902.3 M	2711.7 M
Output DLIS Files						
DEFAULT	DSI_035PUP	FN:35	PRODUCER	23-Feb-2024 00:09	2902.3 M	2711.8 M
BACKUP	DSI_035PUP	FN:36	PRODUCER	23-Feb-2024 00:09	2902.3 M	2711.8 M

OP System Version: 19C0-187						
DSST-B	19C0-187	EDTC-B	19C0-187			

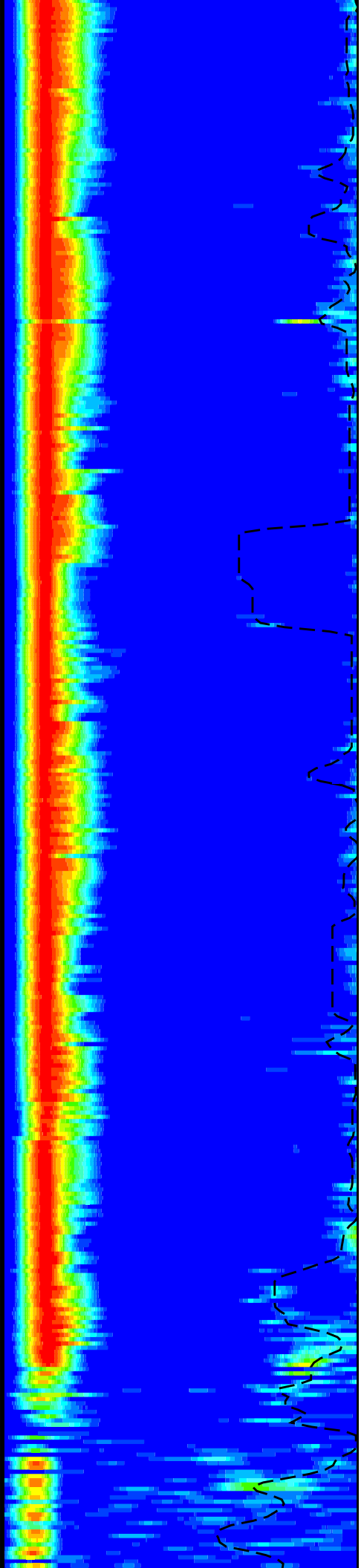
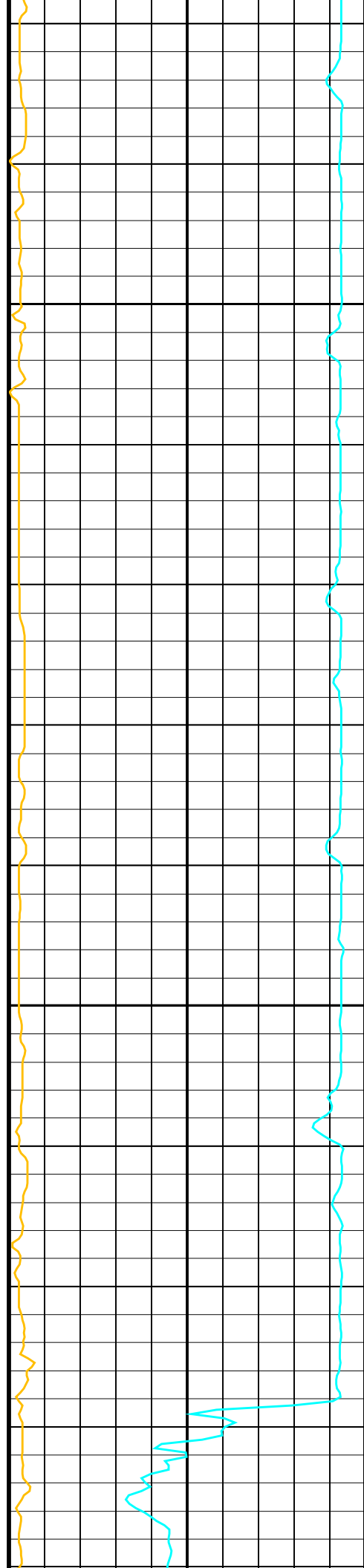
PIP SUMMARY						
Time Mark Every 60 S						

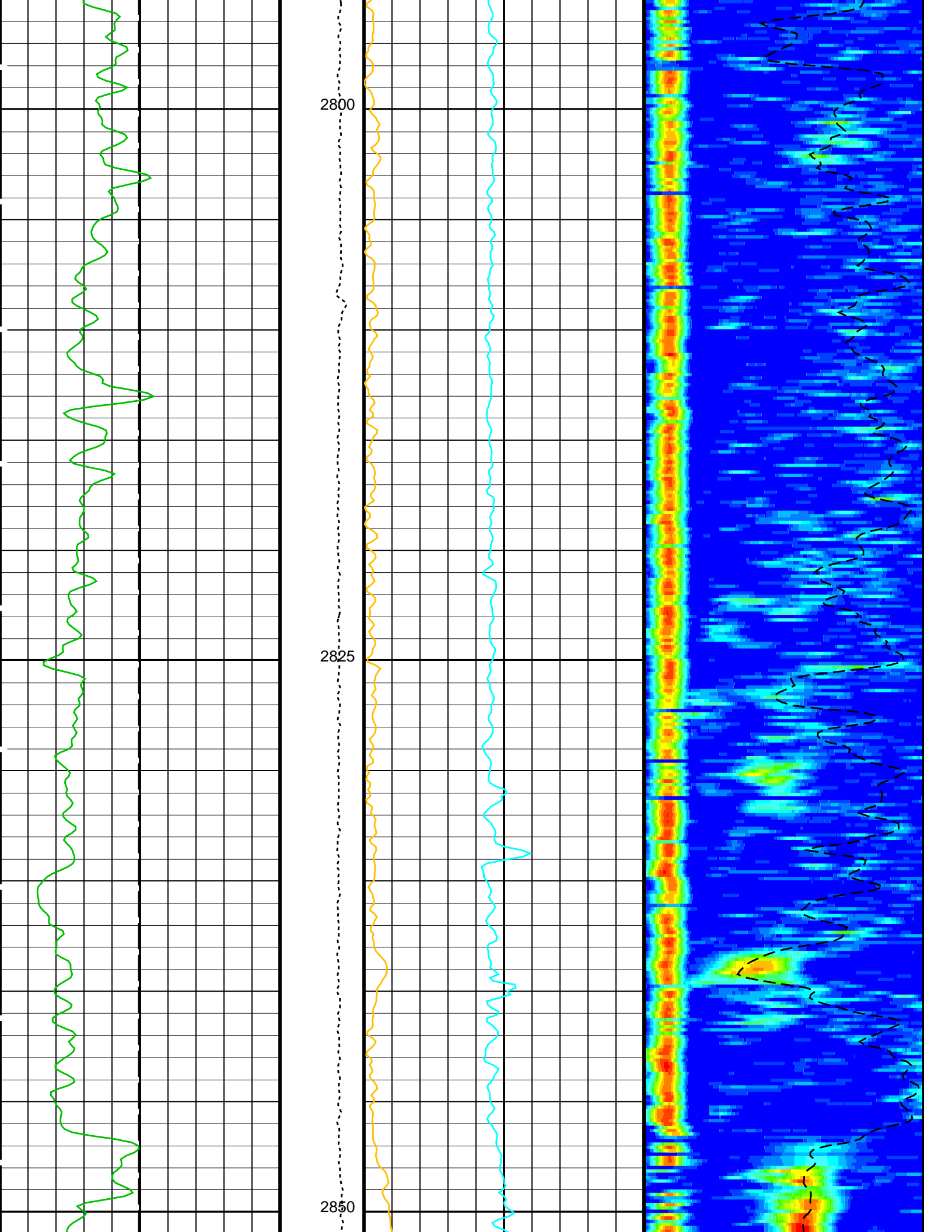


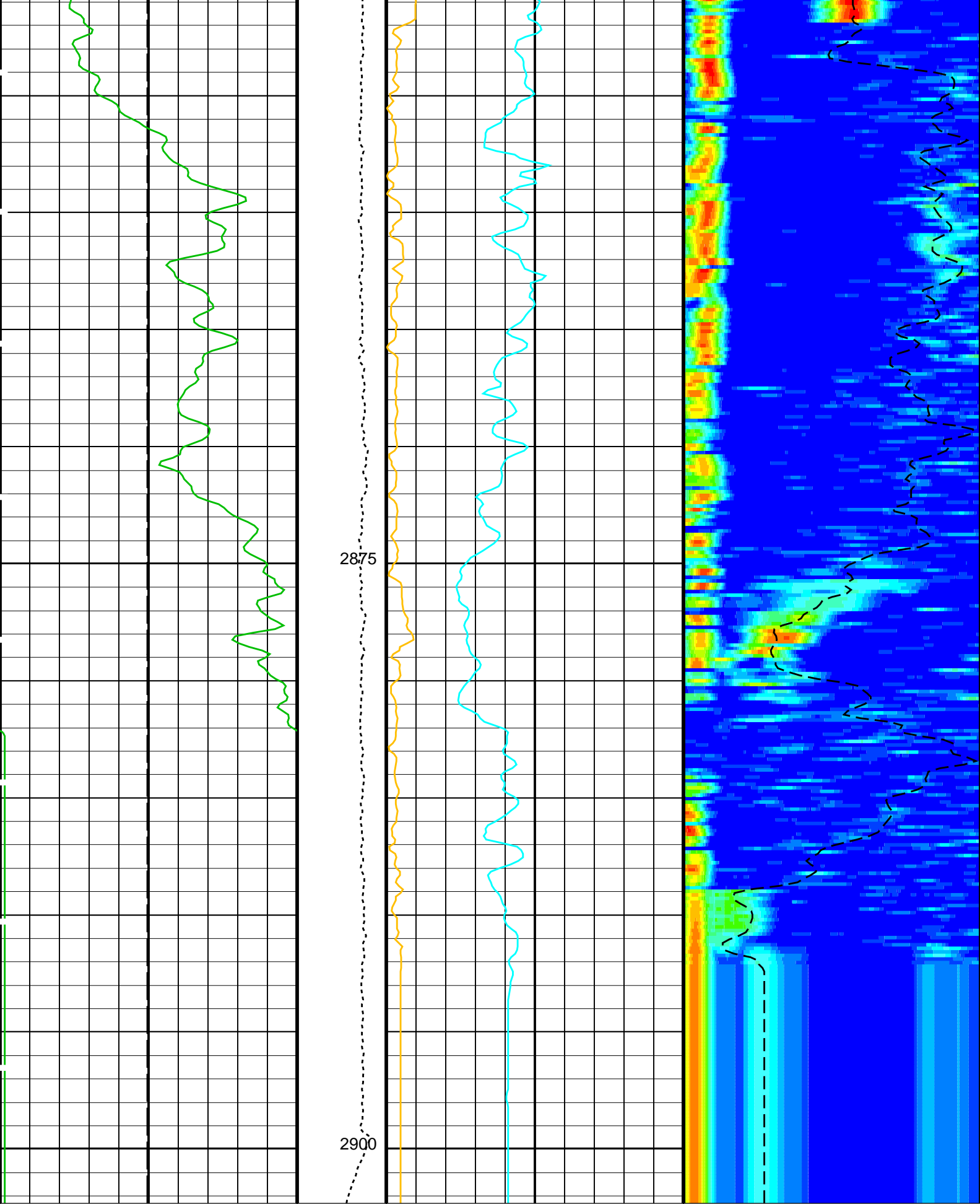


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Bit Size (BS) (IN)	Tension (TENS) (LBF)	Peak Coherence / RA - Upper Dipole (CHR2)	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)
0	0	0	75
20	5000	10	1200

Min Amplitude Max

Rec.Array U.Dipole Slow Proj. CVDL
(SPR2)
75 (US/F) 1200

Time Mark Every 60 S

DLIS Name	Description	Value
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DSST-B: Dipole Shear Imager - B		
Digitizing Delay 2		0
Digitizing Delay X		0
Label Compressional Source - Dipole Shear	USE	
Label Slowness Lower Limit - Dipole Shear		200
Label Slowness Upper Limit - Dipole Shear		1200
Digitizer Sample Interval 2		40
Digitizer Sample Interval X		40
Compressional Delta-T Source for DTCO Channel	PS_COMP	
Digitizer Word Count 2		512
Digitizer Word Count X		512
Number Waveform Items 2		8
Number Waveform Items X		0
Receiver 1 Geometry		294
Receiver 2 Geometry		300
Receiver 3 Geometry		306
Receiver 4 Geometry		312
Receiver 5 Geometry		318
Receiver 6 Geometry		324
Receiver 7 Geometry		330
Receiver 8 Geometry		336
DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
STC Sonic Array Status - Upper Dipole		255
STC Search Band Offset - Upper Dipole		3000
STC Search Bandwidth - Upper Dipole		8000
STC Formation Character - Upper Dipole	SELECTABLE	
STC Filter - Upper Dipole	B1-2K	
STC Slowness Lower Limit - Upper Dipole		40
STC Slowness Step - Upper Dipole		4
STC Source Waveform - Upper Dipole	WF_SAM2	
STC Slowness Upper Limit - Upper Dipole		1400
STC Slowness Width - Upper Dipole		40
STC Time for Baseline Fill - Upper Dipole		0
STC Time Lower Limit - Upper Dipole		600
STC Time Step - Upper Dipole		200
STC Time Upper Limit - Upper Dipole		20440
STC Time Width - Upper Dipole		2000
STC Integration Time Window - Upper Dipole		1600
Transmitter Waveform Select X		0
Upper Dipole Transmitter Geometry		162
System and Miscellaneous		
Bit Size		9.875
Depth Offset for Playback		0.0
Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2024 00:09

OP System Version: 19C0-187

DSST-B	19C0-187	EDTC-B	19C0-187
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Input DLIS Files

DEFAULT	DSI_027LUP	FN:23	PRODUCER	22-Feb-2024 22:57	2902.3 M	2711.7 M
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Output DLIS Files

DEFAULT	DSI_035PUP	FN:35	PRODUCER	23-Feb-2024 00:09
BACKUP	DSI_035PUP	FN:36	PRODUCER	23-Feb-2024 00:09

Input DLIS Files

DEFAULT DSI_027LUP FN:23 PRODUCER 22-Feb-2024 22:57 2902.3 M 2711.7 M

Output DLIS Files

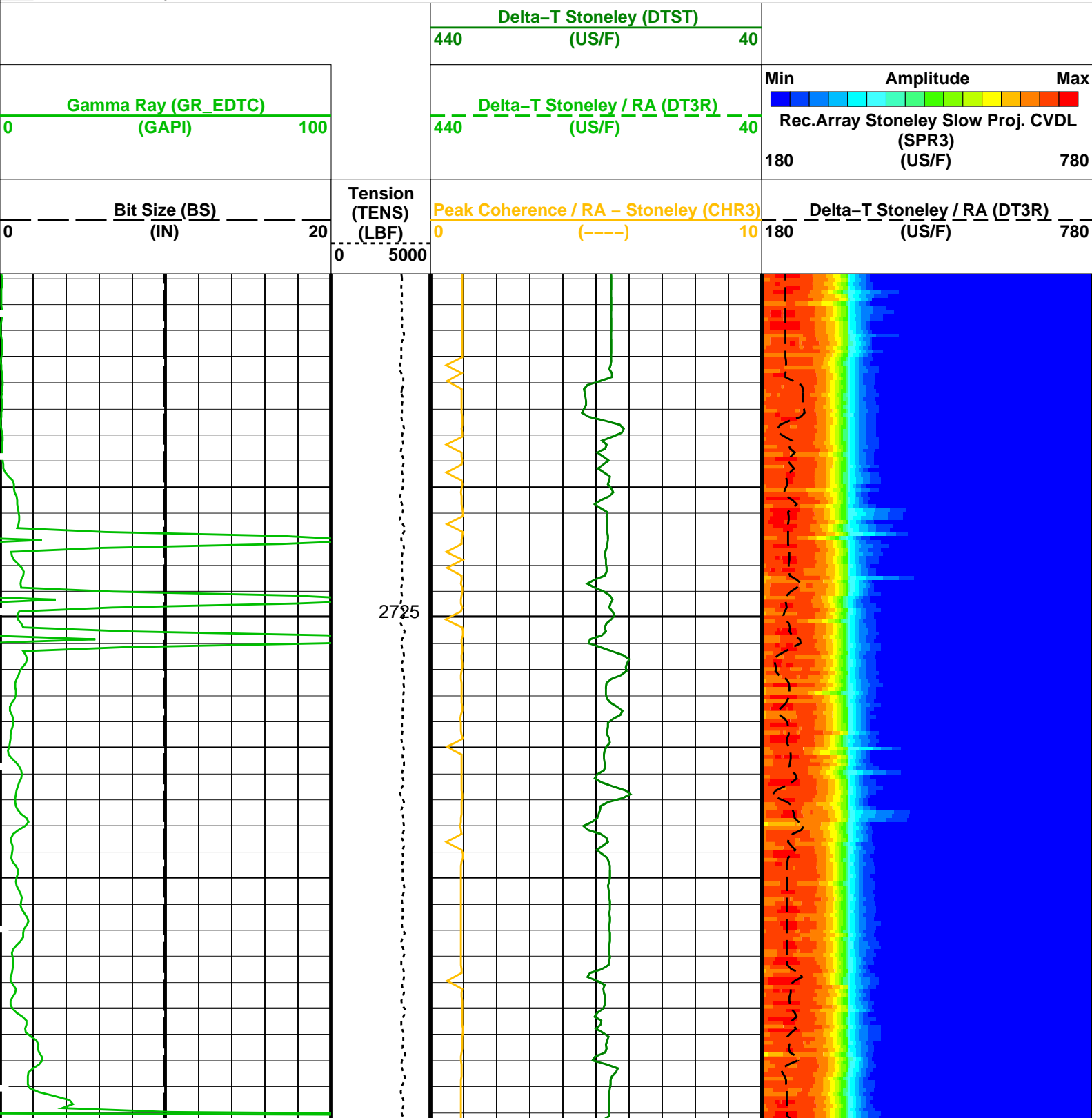
DEFAULT DSI_035PUP FN:35 PRODUCER 23-Feb-2024 00:09 2902.3 M 2711.8 M
BACKUP DSI_035PUP FN:36 PRODUCER 23-Feb-2024 00:09 2902.3 M 2711.8 M

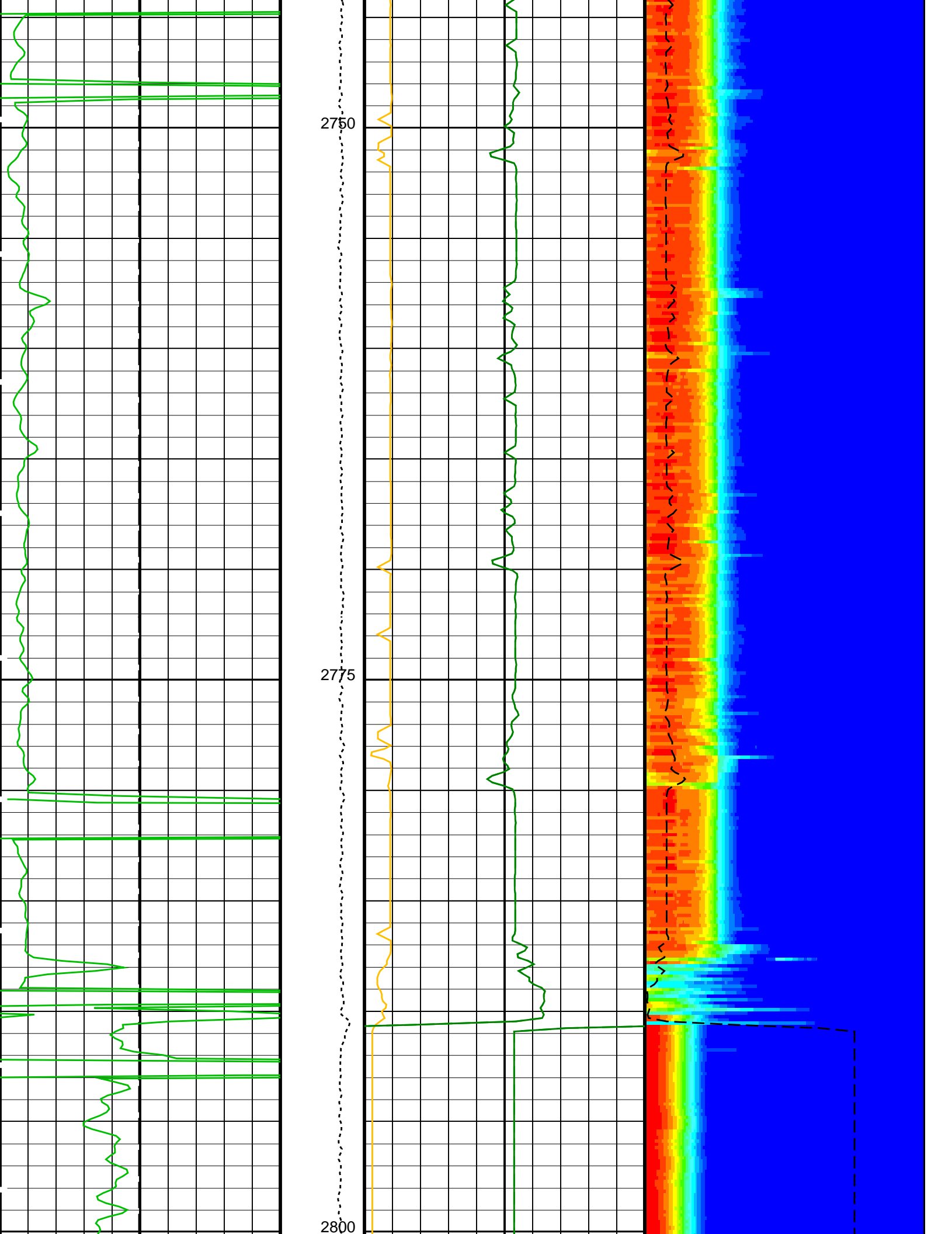
OP System Version: 19C0-187

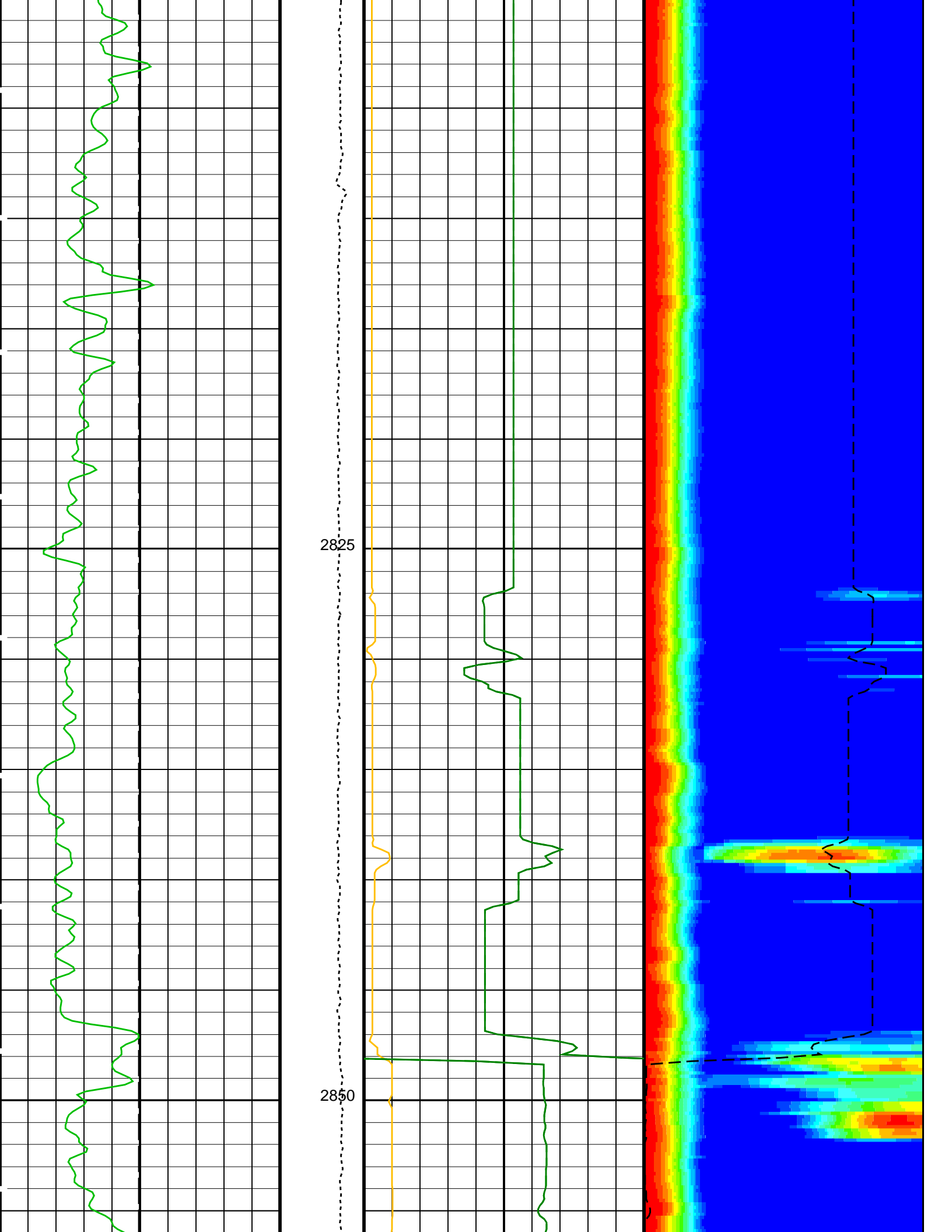
DSST-B 19C0-187 EDTC-B 19C0-187

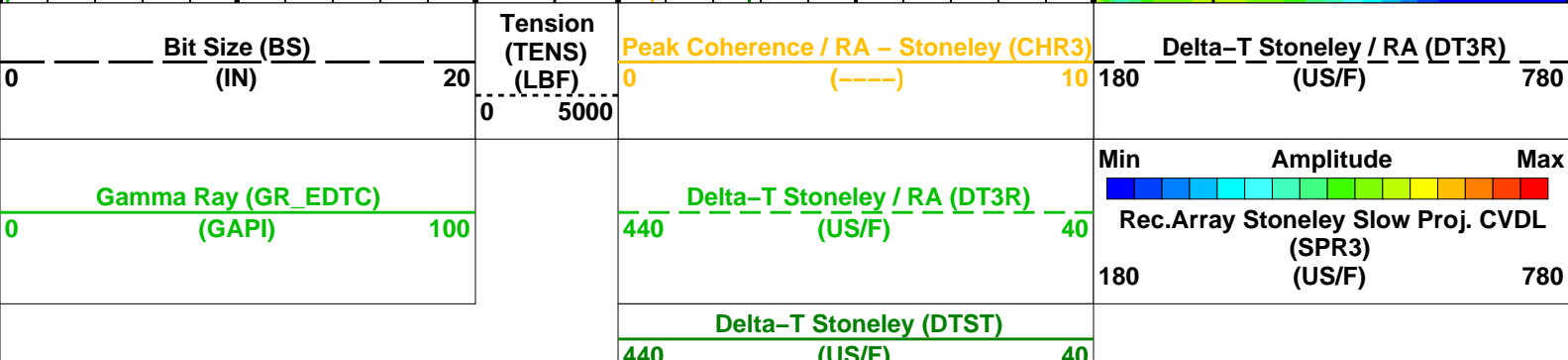
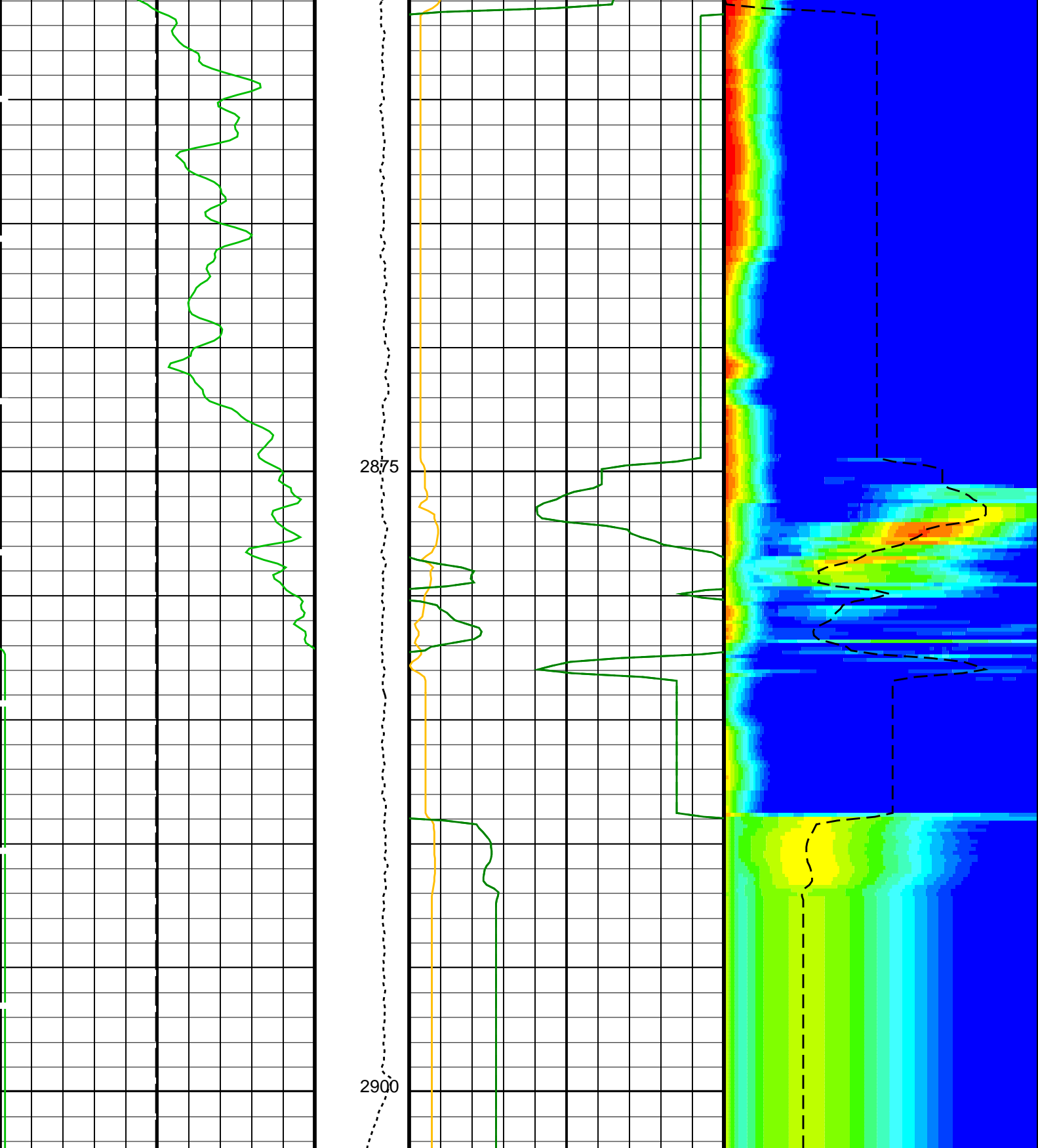
PIP SUMMARY

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
SST3	STC Slowness Step – Monopole Stoneley	4	US
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US
SWD3	STC Slowness Width – Monopole Stoneley	40	US
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	RECOMPUTE	

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23-Feb-2024 00:09

OP System Version: 19C0-187

DSST-B 19C0-187 EDTC-B 19C0-187

Input DLIS Files

DEFAULT	DSI_027LUP	FN:23	PRODUCER	22-Feb-2024 22:57	2902.3 M	2711.7 M
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Output DLIS Files

DEFAULT	DSI_035PUP	FN:35	PRODUCER	23-Feb-2024 00:09
BACKUP	DSI_035PUP	FN:36	PRODUCER	23-Feb-2024 00:09

Company: International Ocean Discovery Program Well: Expedition 402, Site U1613A

Input DLIS Files

DEFAULT	DSI_027LUP	FN:23	PRODUCER	22-Feb-2024 22:57	2902.3 M	2711.7 M
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Output DLIS Files

DEFAULT	DSI_035PUP	FN:35	PRODUCER	23-Feb-2024 00:09	2902.3 M	2711.8 M
BACKUP	DSI_035PUP	FN:36	PRODUCER	23-Feb-2024 00:09	2902.3 M	2711.8 M

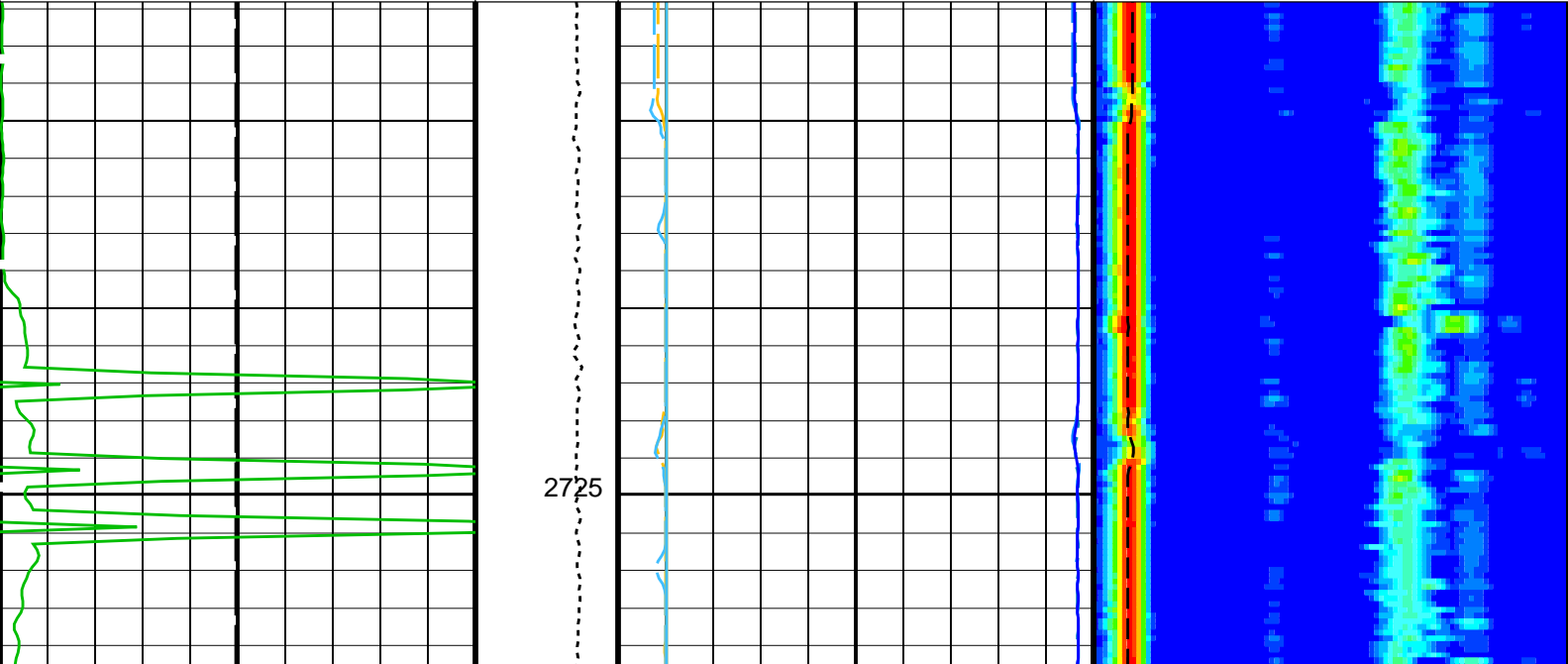
OP System Version: 19C0-187

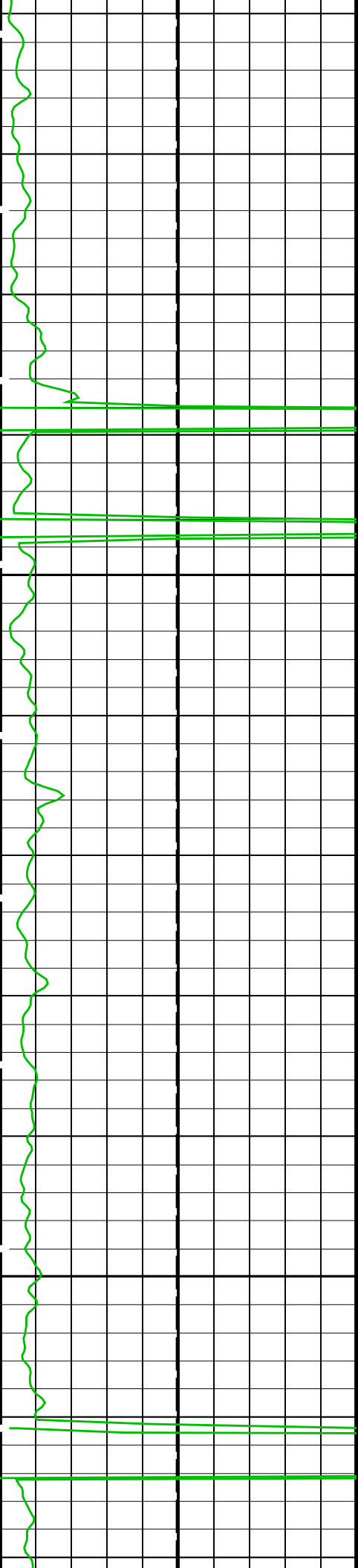
DSST-B	19C0-187	EDTC-B	19C0-187
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PIP SUMMARY

Time Mark Every 60 S

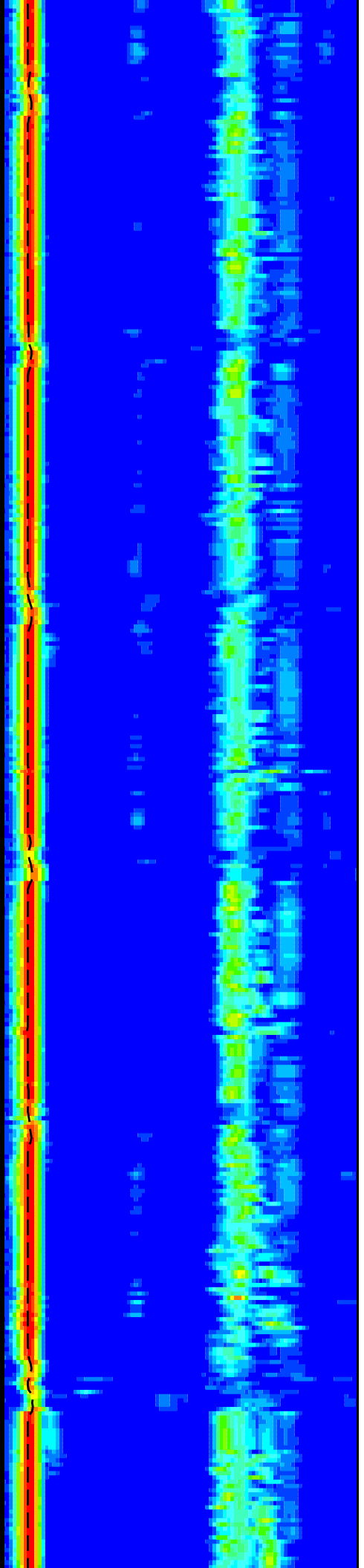
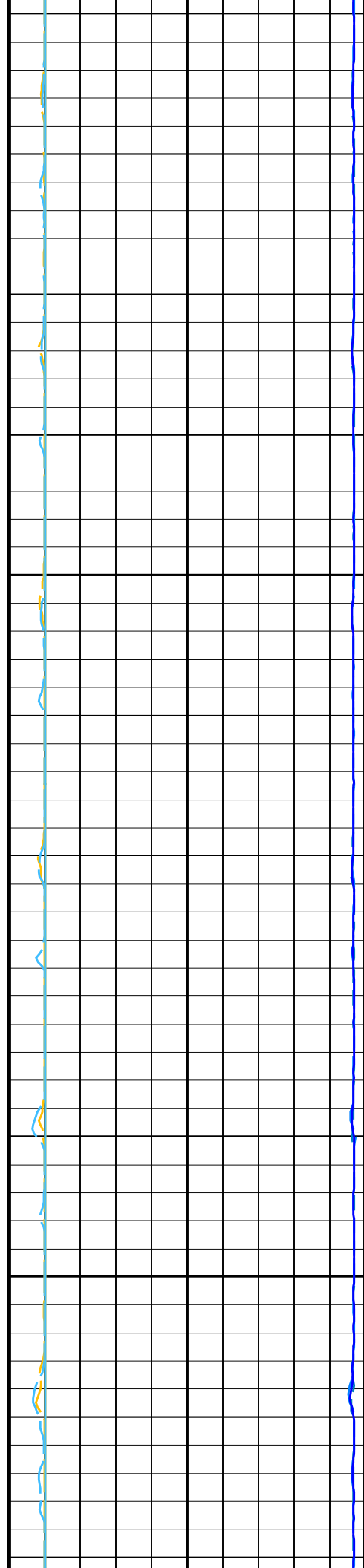
		Peak Coherence / TA – P & S Shear (CHTS)	
		-1 (-----) 9	
		Peak Coherence / RA – P & S Shear (CHRS)	
		-1 (-----) 9	
		Delta-T Shear – P & S (DT4S)	
		440 (US/F) 40	
		Delta-T Shear / TA – P & S (DTTS)	
		440 (US/F) 40	
		Delta-T Shear / RA – P & S (DTRS)	
		440 (US/F) 40	
		Delta-T Comp – P & S (DT4P)	
		440 (US/F) 40	
		Delta-T Comp / TA – P & S (DTTP)	
		440 (US/F) 40	
		Delta-T Comp / RA – P & S (DTRP)	
		440 (US/F) 40	
		<div>MinAmplitudeMax</div> <div>Rec.Array P&S Slow Proj. CVDL (SPR4)</div> <div>40 (US/F) 240</div>	
Gamma Ray (GR_EDTC) (GAPI)		Peak Coherence / TA – P & S Comp (CHTP)	Delta-T Shear / RA – P & S (DTRS)
0 100		0 (-----) 10	40 (US/F) 240
Bit Size (BS) (IN)		Peak Coherence / RA – P & S Comp (CHRP)	Delta-T Comp / RA – P & S (DTRP)
0 20		0 (-----) 10	40 (US/F) 240
Tension (TENS) (LBF)			
0 5000			

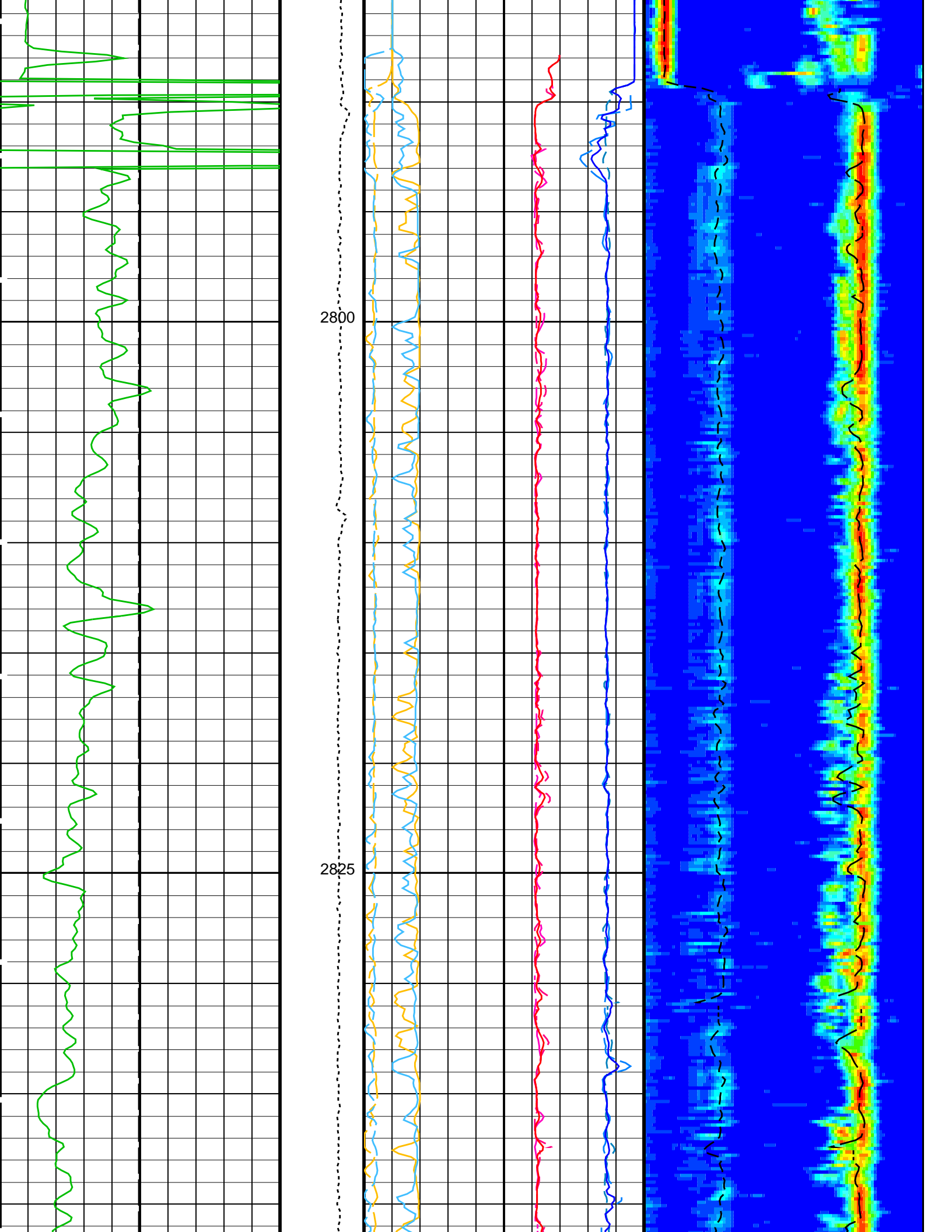


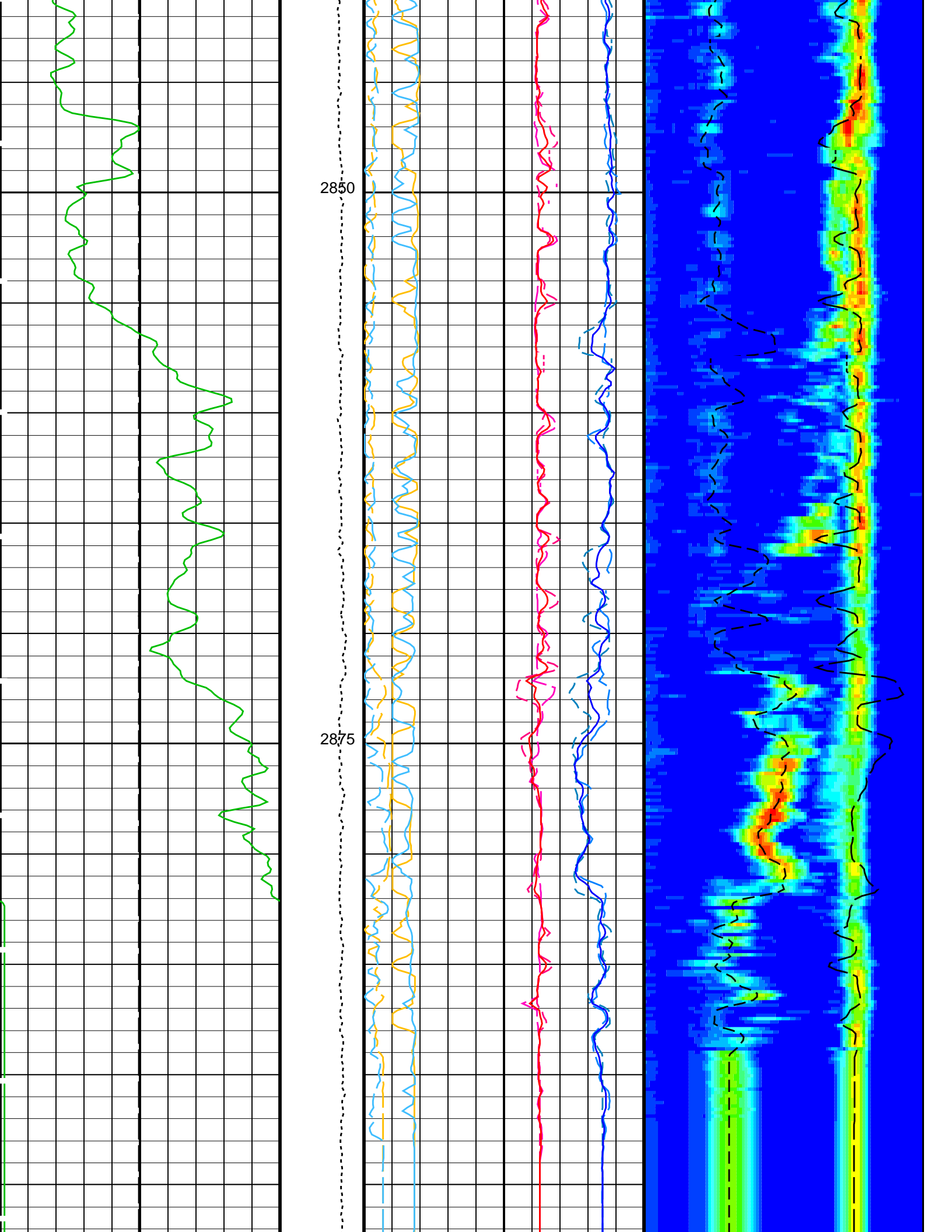


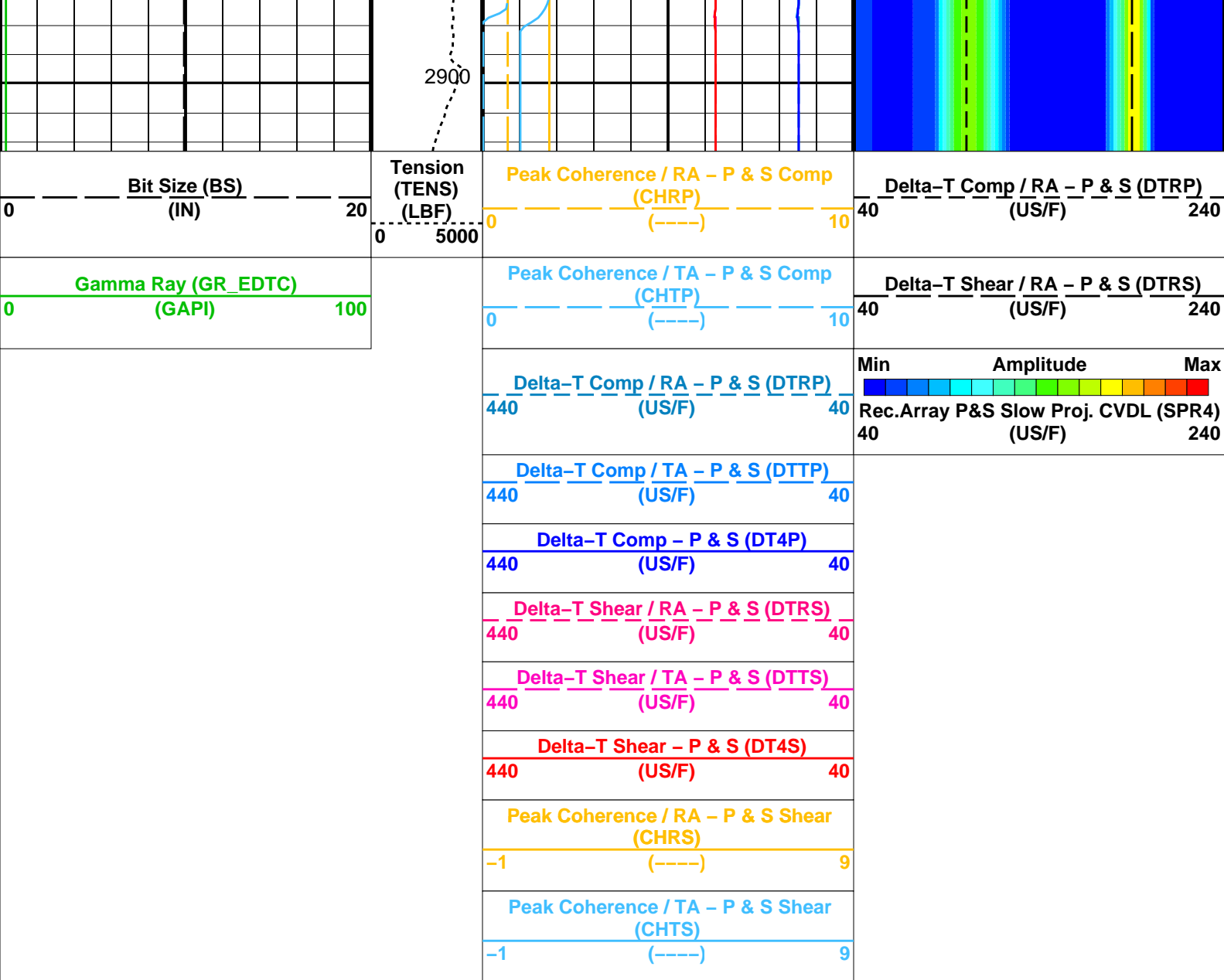
2750

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PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
CASF	Label Casing Function – Monopole P&S	50	
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	50	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	160	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	160	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	EDTC–B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR

Vertical Scale: 1:200

Graphics File Created: 23–Feb–2024 00:09

OP System Version: 19C0–187							
DSST–B	19C0–187	EDTC–B		19C0–187			
Input DLIS Files							
DEFAULT	DSI_027LUP	FN:23	PRODUCER	22–Feb–2024 22:57	2902.3 M	2711.7 M	
Output DLIS Files							
DEFAULT	DSI_035PUP	FN:35	PRODUCER	23–Feb–2024 00:09			
BACKUP	DSI_035PUP	FN:36	PRODUCER	23–Feb–2024 00:09			



Calibrations

MAXIS Field Log

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M01							
Before: 22–Feb–2024 14:29 After: 22–Feb–2024 19:29							
HRLT M0–M1 Voltage Plus – 0	0	N/A	–318.6	–318.9	–0.2758	9.681	UV
HRLT M0–M1 Voltage Plus – 1	0	N/A	–332.3	–333.3	–1.023	9.681	UV
HRLT M0–M1 Voltage Plus – 2	0	N/A	–339.2	–339.8	–0.6345	9.681	UV

HRLT M0-M1 Voltage Plus - 3	0	N/A	-329.2	-330.0	-0.8244	9.681	UV
HRLT M0-M1 Voltage Plus - 4	0	N/A	-319.7	-320.1	-0.4008	9.681	UV
HRLT M0-M1 Voltage Plus - 5	0	N/A	-321.3	-321.6	-0.3211	9.681	UV
HRLT M0-M1 Voltage Plus - 6	0	N/A	322.5	323.5	0.9835	9.681	UV
HRLT M0-M1 Voltage Plus - 7	0	N/A	-322.7	-322.7	0	9.681	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M12

Before: 22-Feb-2024 14:29 After: 22-Feb-2024 19:29

HRLT M1-M2 Voltage Plus - 0	0	N/A	1739	1741	1.934	53.42	UV
HRLT M1-M2 Voltage Plus - 1	0	N/A	1816	1822	5.637	53.42	UV
HRLT M1-M2 Voltage Plus - 2	0	N/A	1848	1852	3.715	53.42	UV
HRLT M1-M2 Voltage Plus - 3	0	N/A	1795	1799	4.568	53.42	UV
HRLT M1-M2 Voltage Plus - 4	0	N/A	1744	1746	2.180	53.42	UV
HRLT M1-M2 Voltage Plus - 5	0	N/A	1754	1756	1.902	53.42	UV
HRLT M1-M2 Voltage Plus - 6	0	N/A	-1769	-1775	-5.563	53.42	UV
HRLT M1-M2 Voltage Plus - 7	0	N/A	1781	1781	0	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M23

Before: 22-Feb-2024 14:29 After: 22-Feb-2024 19:29

HRLT M2-M3 Voltage Plus - 0	0	N/A	1731	1732	1.197	53.42	UV
HRLT M2-M3 Voltage Plus - 1	0	N/A	1819	1823	4.269	53.42	UV
HRLT M2-M3 Voltage Plus - 2	0	N/A	1853	1856	2.903	53.42	UV
HRLT M2-M3 Voltage Plus - 3	0	N/A	1803	1807	3.802	53.42	UV
HRLT M2-M3 Voltage Plus - 4	0	N/A	1746	1747	1.425	53.42	UV
HRLT M2-M3 Voltage Plus - 5	0	N/A	1757	1759	1.207	53.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1761	-1765	-4.174	53.42	UV
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	1781	0	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34

Before: 22-Feb-2024 14:29 After: 22-Feb-2024 19:29

HRLT A3-A4 Voltage Plus - 0	0	N/A	68580	68680	94.09	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	71880	72110	235.0	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	73520	73690	173.3	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	71790	71990	206.5	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	69490	69590	99.61	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	69970	70050	79.62	2100	UV
HRLT A3-A4 Voltage Plus - 6	0	N/A	-68630	-68850	-219.3	2100	UV
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45

Before: 22-Feb-2024 14:29 After: 22-Feb-2024 19:29

HRLT A4-A5 Voltage Plus - 0	0	N/A	68670	68760	89.07	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	72100	72320	227.7	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	73700	73880	176.6	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	71950	72130	174.6	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69600	69700	92.91	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	70060	70140	83.49	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-68830	-69050	-222.8	2100	UV
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56

Before: 22-Feb-2024 14:29 After: 22-Feb-2024 19:29

HRLT A5-A6 Voltage Plus - 0	0	N/A	68530	68620	86.56	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	71920	72180	258.8	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	73570	73710	139.7	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	71810	72010	204.9	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69470	69570	102.3	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	69950	70030	84.79	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-68680	-68910	-224.5	2100	UV
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP

Before: 22-Feb-2024 14:29 After: 22-Feb-2024 19:29

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68050	-68140	-83.87	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-71730	-71970	-241.7	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73390	-73550	-156.4	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71710	-71900	-187.3	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69420	-69520	-98.94	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69890	-69970	-87.16	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	68430	68650	218.5	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	-70000	0	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

















Before: 22-Feb-2024 14:29 After: 22-Feb-2024 19:29



HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68090	-68180	-89.27	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-71820	-72070	-243.4	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73480	-73630	-153.3	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71780	-71980	-203.3	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69470	-69560	-94.47	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69930	-70010	-82.23	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	68520	68740	221.0	2100	UV
HRLT Bridle#9-M0 Voltage - 7	0	N/A	-70000	-70000	0	2100	UV
















HRLT Encoder's Me Voltage	7	8	N/A	18000	18000	0	2100	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT ISO								
Before: 22–Feb–2024 14:29 After: 22–Feb–2024 19:29								
HRLT Source Current Plus – 0	0	N/A	283.9	284.4	0.4830	8.520	UA	
HRLT Source Current Plus – 1	0	N/A	281.1	281.1	0	8.520	UA	
HRLT Source Current Plus – 2	0	N/A	281.1	281.1	0	8.520	UA	
HRLT Source Current Plus – 3	0	N/A	281.1	281.1	0	8.520	UA	
HRLT Source Current Plus – 4	0	N/A	281.1	281.1	0	8.520	UA	
HRLT Source Current Plus – 5	0	N/A	281.1	281.1	0	8.520	UA	
HRLT Source Current Plus – 6	0	N/A	281.1	281.1	0	8.520	UA	
HRLT Source Current Plus – 7	0	N/A	281.1	281.1	0	8.520	UA	

















Na 511 Peak Loc	40.00	39.72	39.48	39.70	0.2196	1.000	
Na 511 Peak Res	15.50	15.41	16.07	15.53	-0.5409	2.000	%
High Voltage	1150	1089	1076	1083	7.763	N/A	V
Na 1785 Peak Loc	142.6	142.9	142.2	142.7	0.5095	7.000	
Na 1785 Peak Res	8.500	8.753	8.871	7.928	-0.9433	2.000	%
Temperature	15.50	25.53	17.71	19.05	1.340	N/A	DEGC
Na Count Rate	45.00	47.70	38.76	38.95	0.1916	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 2:22 Before: 22-Feb-2024 14:33 After: 22-Feb-2024 19:33							
Coincidence Count Rate Ratio	1.000	0.9913	0.9956	0.9881	-0.007490	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 22-Feb-2024 14:36							
EDTC Z-Axis Acceleration	9.810	N/A	9.779	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 22-Feb-2024 14:31 After: 22-Feb-2024 19:39							
Gamma Ray (Jig – Bkg)	166.1	N/A	166.1	163.0	-3.176	15.10	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	161.8	-3.154	15.00	GAPI





High Resolution Laterolog Array – B / Equipment Identification		
Primary Equipment:		
HRLT Sonde	HRLS – B	768
Auxiliary Equipment:		
HRLT lower Housing	HRLH – B	1869
HRLT Lower Cartridge	HRLC – B	1897
HRLT upper Housing	HRUH – B	975
HRLT Upper Cartridge	HRUC – B	964















High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M01						
Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-318.6	-322.7	-280.7	-379.7
	After		-318.9			
1	Before		-332.3	-322.7	-280.7	-379.7
	After		-333.3			
2	Before		-339.2	-322.7	-280.7	-379.7
	After		-339.8			
3	Before		-329.2	-322.7	-280.7	-379.7
	After		-330.0			
4	Before		-319.7	-322.7	-280.7	-379.7
	After		-320.1			
5	Before		-321.3	-322.7	-280.7	-379.7
	After		-321.6			
6	Before		322.5	322.7	379.7	280.7
	After		323.5			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						

















High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1739	1781	2095	1549
	After					







1	After		1741	1781	2095	1549
	Before		1816			
	After		1822			
2	Before		1848	1781	2095	1549
	After		1852			
3	Before		1795	1781	2095	1549
	After		1799			
4	Before		1744	1781	2095	1549
	After		1746			
5	Before		1754	1781	2095	1549
	After		1756			
6	Before		-1769	-1781	-1549	-2095
	After		-1775			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						













High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2–M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1731	1781	2095	1549
	After		1732			
1	Before		1819	1781	2095	1549
	After		1823			
2	Before		1853	1781	2095	1549
	After		1856			
3	Before		1803	1781	2095	1549
	After		1807			
4	Before		1746	1781	2095	1549
	After		1747			
5	Before		1757	1781	2095	1549
	After		1759			
6	Before		-1761	-1781	-1549	-2095
	After		-1765			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						

















High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3–A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68580	70000	82360	60900
	After		68680			
1	Before		71880	70000	82360	60900
	After		71880			









2	After		72110	70000	82360	60900
	Before		73520			
	After		73690	70000	82360	60900
	Before		71790			
3	After		71990	70000	82360	60900
	Before		69490			
4	After		69590	70000	82360	60900
	Before		69970			
5	After		70050	70000	82360	60900
	Before		-68630			
6	After		-68850	-70000	-60900	-82360
	Before		70000			
7	After		70000	70000	82360	60900
	Before		70000			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						









High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68670	70000	82360	60900
	After		68760			
1	Before		72100	70000	82360	60900
	After		72320			
2	Before		73700	70000	82360	60900
	After		73880			
3	Before		71950	70000	82360	60900
	After		72130			
4	Before		69600	70000	82360	60900
	After		69700			
5	Before		70060	70000	82360	60900
	After		70140			
6	Before		-68830	-70000	-60900	-82360
	After		-69050			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						

















High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68530	70000	82360	60900
	After		68620			
1	Before		71920	70000	82360	60900
	After		72180			
2	Before		73570	70000	82360	60900
	After					










3	After		73710	70000	82360	60900
	Before		71810			
4	After		72010	70000	82360	60900
	Before		69470			
5	After		69570	70000	82360	60900
	Before		69950			
6	After		70030	70000	82360	60900
	Before		-68680			
7	After		-68910	-70000	-60900	-82360
	Before		70000			
8	After		70000	70000	82360	60900
	Before		70000			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						








High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VTP							
Idx	Phase	HRLT Torpedo–M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68050	-70000	-60900	-82360	
	After		-68140				
1	Before		-71730	-70000	-60900	-82360	
	After		-71970				
2	Before		-73390	-70000	-60900	-82360	
	After		-73550				
3	Before		-71710	-70000	-60900	-82360	
	After		-71900				
4	Before		-69420	-70000	-60900	-82360	
	After		-69520				
5	Before		-69890	-70000	-60900	-82360	
	After		-69970				
6	Before		68430	70000	82360	60900	
	After		68650				
7	Before		-70000	-70000	-60900	-82360	
	After		-70000				
(Minimum) (Nominal) (Maximum)							
Before: 22-Feb-2024 14:29							
After: 22-Feb-2024 19:29							

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VBD							
Idx	Phase	HRLT Bridle#9–M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68090	-70000	-60900	-82360	
	After		-68180				
1	Before		-71820	-70000	-60900	-82360	
	After		-72070				
2	Before		-73480	-70000	-60900	-82360	
	After		-73630				
3	Before		-71780	-70000	-60900	-82360	
	After		-71780				

4	After		-71980	-70000	-60900	-82360
	Before		-69470			
5	After		-69560	-70000	-60900	-82360
	Before		-69930			
6	After		-70010	70000	82360	60900
	Before		68520			
7	After		68740	-70000	-60900	-82360
	Before		-70000			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		283.9	284.0	334.1	247.0
	After		284.4			
1	Before		281.1	281.1	330.7	244.4
	After		281.1			
2	Before		281.1	281.1	330.7	244.4
	After		281.1			
3	Before		281.1	281.1	330.7	244.4
	After		281.1			
4	Before		281.1	281.1	330.7	244.4
	After		281.1			
5	Before		281.1	281.1	330.7	244.4
	After		281.1			
6	Before		281.1	281.1	330.7	244.4
	After		281.1			
7	Before		281.1	281.1	330.7	244.4
	After		281.1			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.1	-322.7	-280.7	-379.7
	After		-320.2			
1	Before		-325.8	-322.7	-280.7	-379.7
	After		-326.8			
2	Before		-331.7	-322.7	-280.7	-379.7
	After		-332.3			
3	Before		-320.6	-322.7	-280.7	-379.7
	After		-321.2			
4	Before		-308.8	-322.7	-280.7	-379.7

5	After		-309.0	-322.7	-280.7	-379.7
	Before		-325.4	-322.7	-280.7	-379.7
	After		-325.6			
6	Before		328.7	322.7	379.7	280.7
	After		329.6			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
(Minimum) (Nominal) (Maximum)						
Before: 22-Feb-2024 14:29						
After: 22-Feb-2024 19:29						










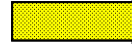
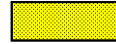
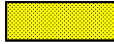
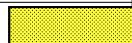
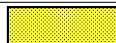







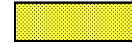
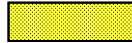
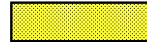








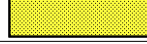



Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:

Gamma Source Radioactive	GSR – ZA	2945
Hostile Litho Density Sonde	HLDS – D	77
Hostile Litho Density High Voltage	HLDV – D	67

Auxiliary Equipment:

Hostile Litho Density High Voltage Housi	HEH – H	67
Hostile Litho Density Pad	HLDP – C	83

Hostile Litho-Density Sonde Wellsite Calibration								
Background Measurement								
Phase	SS Cs Resolution Bkg %	Value	Phase	LS Cs Resolution Bkg %	Value	Phase	LSW1 Background CPS	Value
Master		7.740	Master		8.164	Master		67.09
Before		7.828	Before		8.130	Before		67.16
After		7.733	After		7.978	After		66.93
7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)		
Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value
Master		61.34	Master		139.1	Master		170.9
Before		60.47	Before		136.9	Before		169.7
After		60.21	After		135.7	After		171.6
50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)			140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)		
Phase	LSW5 Background CPS	Value	Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value
Master		398.8	Master		64.20	Master		111.7
Before		396.9	Before		64.00	Before		110.9
After		396.9	After		64.30	After		110.5
330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)		
Phase	SSW3 Background CPS	Value	Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value
Master		309.0	Master		168.1	Master		118.8
Before		311.3	Before		167.3	Before		118.6
After		312.3	After		166.0	After		118.2
280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)			150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)		
Master: 5-Feb-2024 14:31			Before: 22-Feb-2024 14:33			After: 22-Feb-2024 19:32		

Litho-Density Spectroscopy Cartridge – B / Equipment Identification

Primary Equipment:

LDSC Cartridge	LDSC – B	326
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Auxiliary Equipment:

LDSC Housing	LDSh – A	303
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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
Gamma Source Radioactive

HNSH – BA 174
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		38.56	Master		16.82	Master		1206
Before		38.57	Before		16.41	Before		1189
After		38.67	After		15.63	After		1193
	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		139.2	Master		9.087	Master		26.64
Before		139.1	Before		8.600	Before		18.59
After		139.7	After		8.171	After		18.90
	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		47.40						
Before		38.71						
After		38.50						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							




Master: Calibration out of date 20-Apr-2023 2:22 Before: 22-Feb-2024 14:33 After: 22-Feb-2024 19:33

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		39.72	Master		15.41	Master		1089
Before		39.48	Before		16.07	Before		1076
After		39.70	After		15.53	After		1083
	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		142.9	Master		8.753	Master		25.53
Before		142.2	Before		8.871	Before		17.71
After		142.7	After		7.928	After		19.05
	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		47.70						
Before		38.76						

After		38.95
10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)
Master: Calibration out of date 20-Apr-2023 2:22 Before: 22-Feb-2024 14:33 After: 22-Feb-2024 19:33		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9913
Before		0.9956
After		0.9881
0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: Calibration out of date 20-Apr-2023 2:22		
Before: 22-Feb-2024 14:33		
After: 22-Feb-2024 19:33		

Enhanced DTS Cartridge / Equipment Identification		
Primary Equipment:		
EDTC Gamma Ray Detector	EDTG – A/B	77693
Enhanced DTS Cartridge	EDTC – B	8529
Auxiliary Equipment:		
EDTC Housing	EDTH – B	8528

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.779
9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 22-Feb-2024 14:36		

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		1.779	Before		166.1	Before		165.0	
After		4.271	After		163.0	After		161.8	
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: 22-Feb-2024 14:31					After: 22-Feb-2024 19:39				

Company: International Ocean Discovery Program

Schlumberger

Well: Expedition 402, Site U1613A

Field: Tyrrhenian Continent–Ocean Transition

Rig: JOIDES Resolution

Country: Italy

Dipole Shear Sonic Imager (DSI)

