Schlumberger

Company: **International Ocean Discovery Program**

Well: **Expedition 396, Site U1574A**
Field: **Mid−Norwegian Cont. Margin Magmatism**
Rig: **JOIDES Resolution** Country: **Iceland**

Rig: JOIDES Resolution
Field: Mid−Norwegian Cont. Margin Ma
Location: Latitude: N 68.6002
Well: Expedition 396, Site U1574A
Company: International Ocean Discovery Pr

Dipole Sonic Imager (DSI)
Formation Micro−Scanner (FMS)

LOCATION

Latitude: N 68.6002
Longitude: E 4.6406

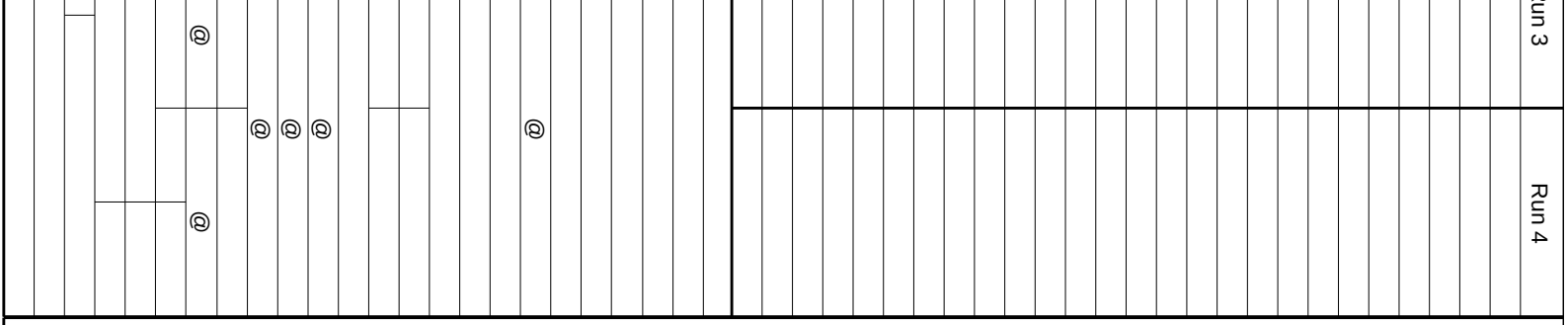
Elev.: K.B. 0.00 m
G.L. −2836.40 m
D.F. 0.00 m

Permanent Datum: Sea Floor — Elev.: −2836.40 m
Log Measured From: Rig Floor — 2836.40 m above Perm. Datum
Drilling Measured From: Rig Floor

Ocean:	Max. Well Deviation	Longitude	Latitude
Atlantic	5 deg	E 4.6406	N 68.6002

	Run 1	Run 2	Run 1	Run 2
Logging Date	29−Sep−2021			
Run Number	2			
Depth Driller	3096.4 m			
Schlumberger Depth	3090 m			
Bottom Log Interval	3090 m			
Top Log Interval	2833 m			
Casing Driller Size @ Depth	5.500 in @ 2940 m	@	@	
Casing Schlumberger	2937 m			
Bit Size	9.875 in			
Type Fluid In Hole	Barite Weighted Mud			
MUD Density / Viscosity	1.26 g/cm3			
MUD Fluid Loss / PH		8.07		
MUD 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	29−Sep−2021	5:00		
Logger On Bottom / Time	29−Sep−2021	17:00		
Unit Number / Location	627314	Larose, LA		
Recorded By	C. Furman			
Witnessed By	S. Midgley			

	Run 1	Run 2
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		
MUD Fluid Loss / PH		
MUD 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		



OTHER SERVICES1

OS1: HGNS/HLDS

OS2: HRLA/MSS

REMARKS: RUN NUMBER 1

Hole drilled with RCB bottom hole assembly (BHA) at 9.875" BS

Drill pipe set at 2940mbrf (104mbrf).

Fluid type was sea water, displaced in the hole prior to logging.

Depth recorded from drill floor; logs presented as−logged without depth corrections or shifts, as per client instructions.

All logs presented in wireline measured depth below rig floor (MDBRF).

Caliper opened during upward passes; closed inside pipe and while logging down.

Hole size corrections made using caliper measurements for upward passes bit size

used for downlog corrections.

AHC used from TD then switched off to facilitate pipe entry.

FMS EMEX (measurement) power off, Caliper closed, and compensator off at 2980mbrf for pipe entry

DSI run with UD=Std., LD=LF, and Monopole=Std. frequencies.

Downlog flipped and note the caliper closed logging down.

RUN 1

SERVICE ORDER #:
PROGRAM VERSION: 19C0−187
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

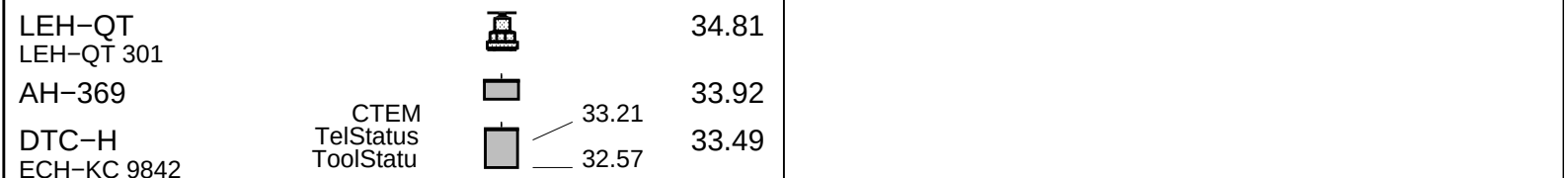
EQUIPMENT DESCRIPTION

RUN 1

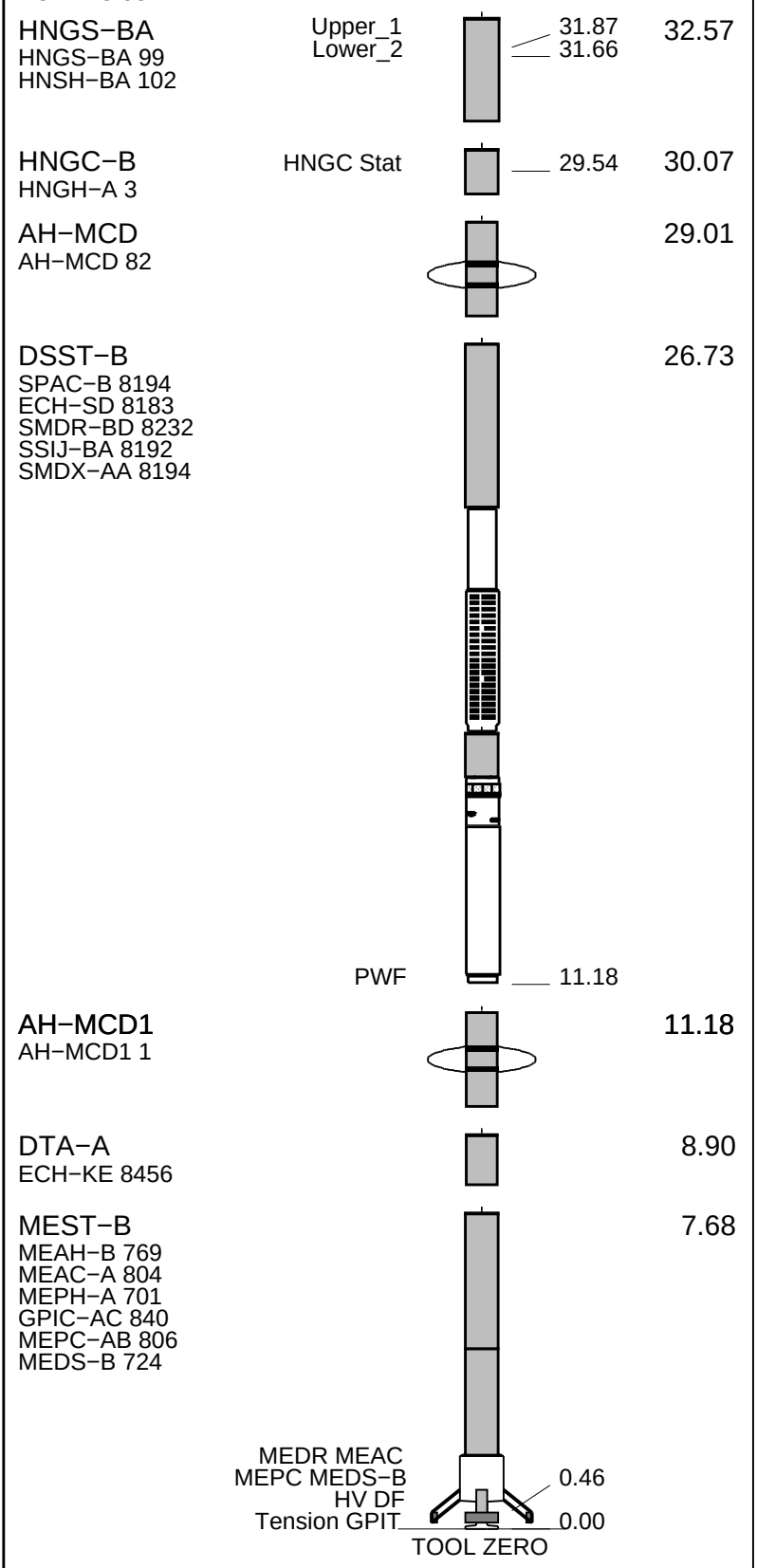
SURFACE EQUIPMENT

GSR−U 6098
WITM (DTS)−A

DOWNHOLE EQUIPMENT



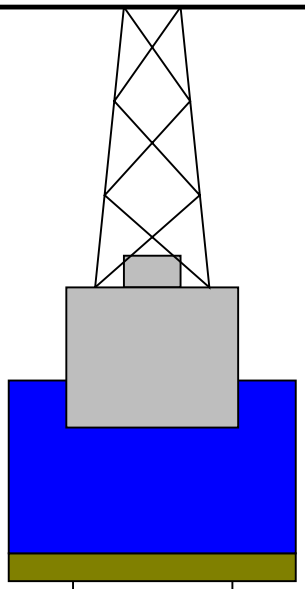
RUN 2



MAXIMUM STRING DIAMETER 3.75 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

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

	OD	ID	MD
Kelly Bushing Elevation			0.0
Derrick Floor Elevation			0.0



MD	OD	ID	
0.0	5.500	4.125	
2836.4	9.875		Sea Floor
2940.0	5.500	4.125	Pipe
3096.4	9.875		TD – Driller

Schlumberger

Downlog

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP		PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 50

Area1
From HCGR to HSGR

HNGS Computed Gamma Ray (HCGR)
0 (GAPI) 50

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

Caliper 2 (C2)
6 (IN) 16

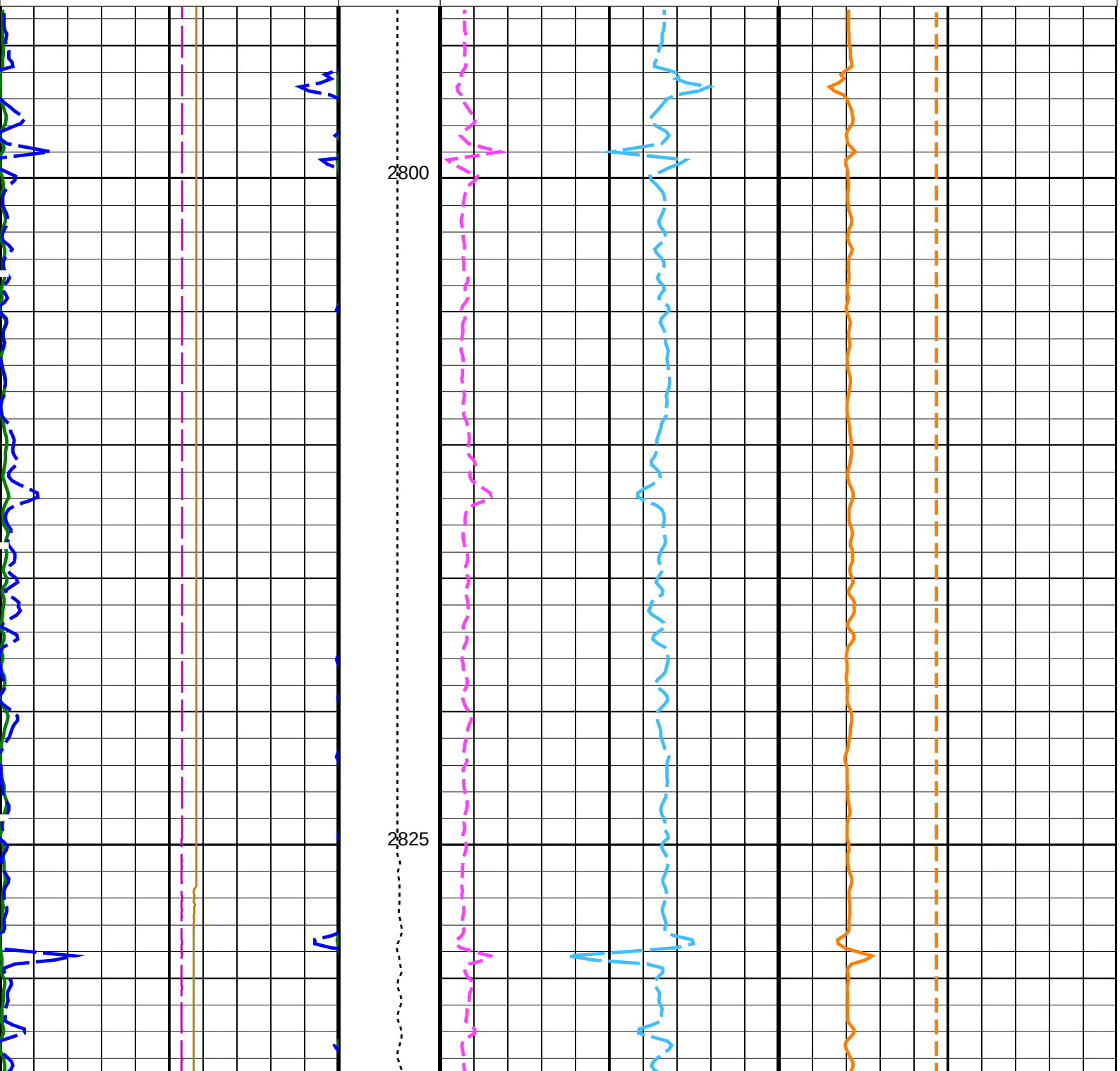
HNGS Uranium (HURA)
−5 (PPM) 10

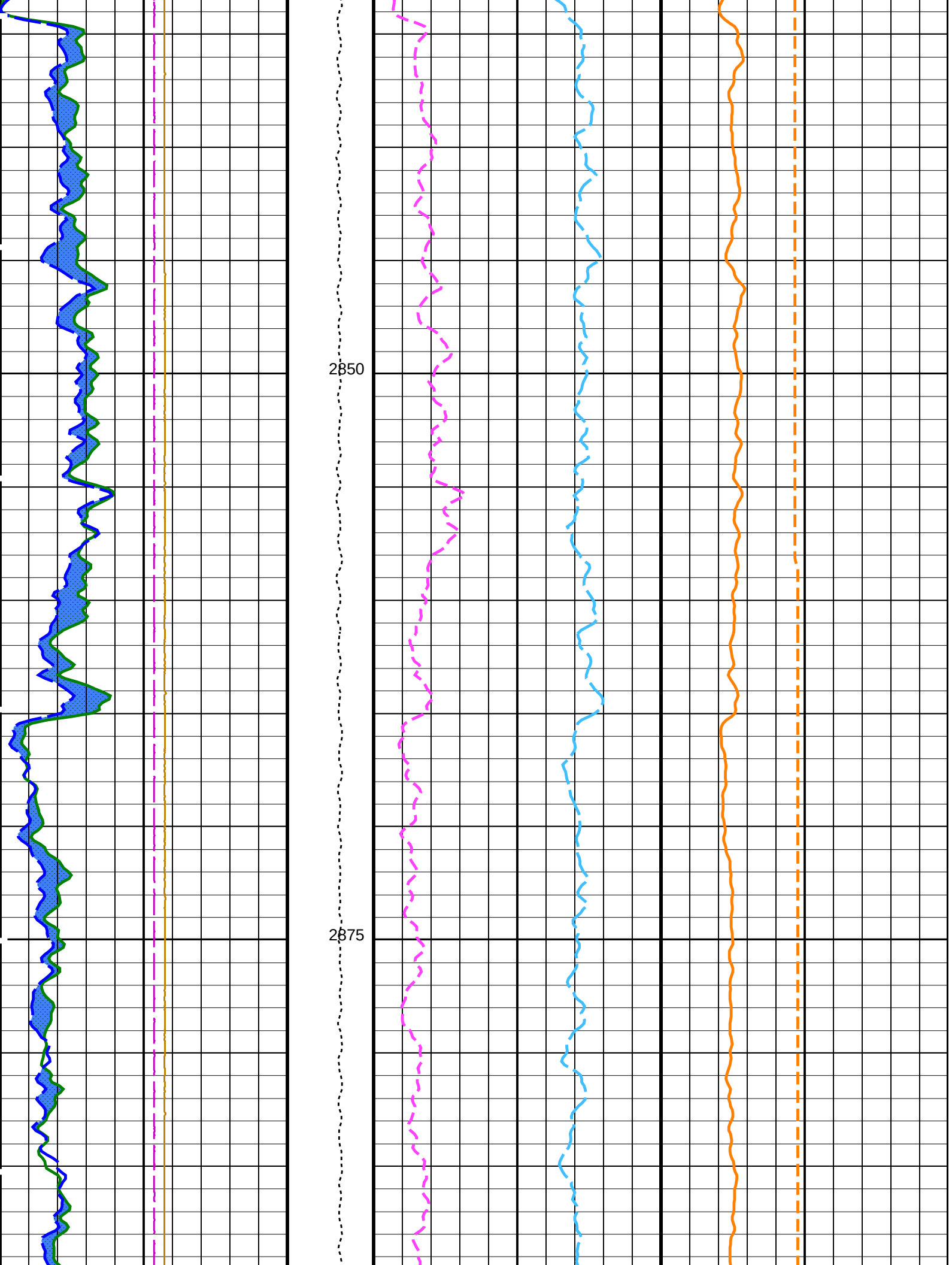
Caliper 1 (C1)
6 (IN) 16

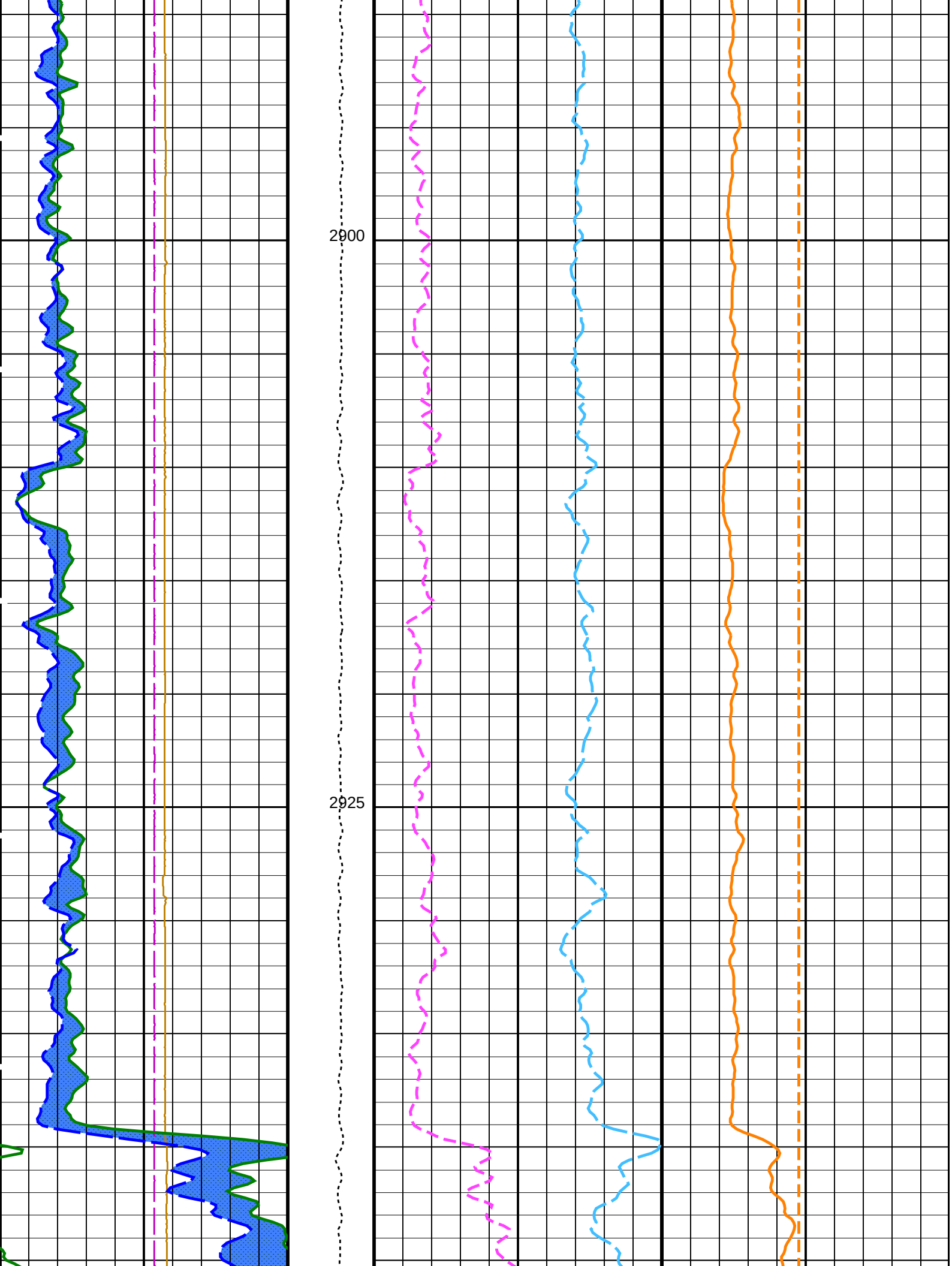
Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04




2850
2875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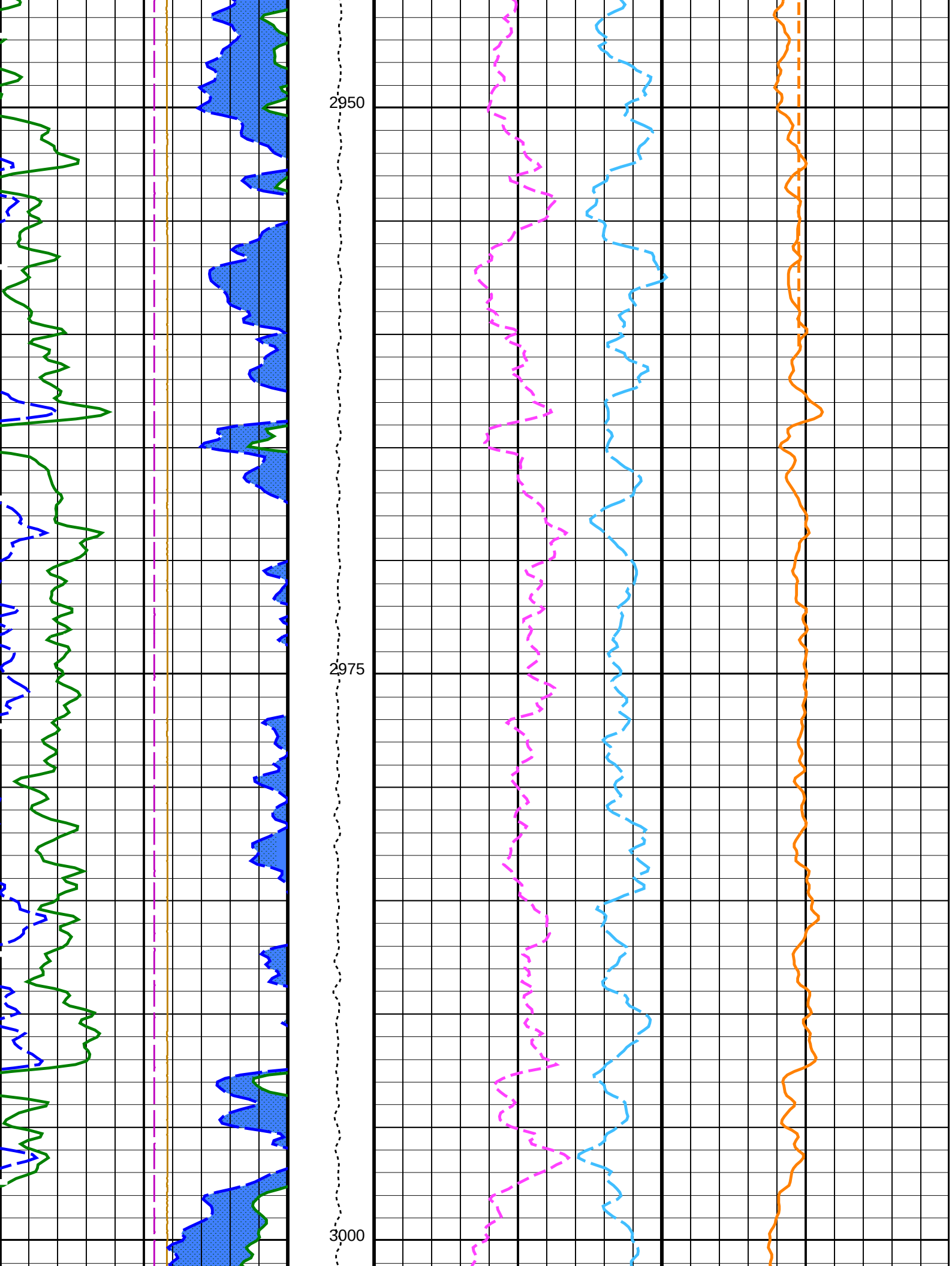
2925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2975
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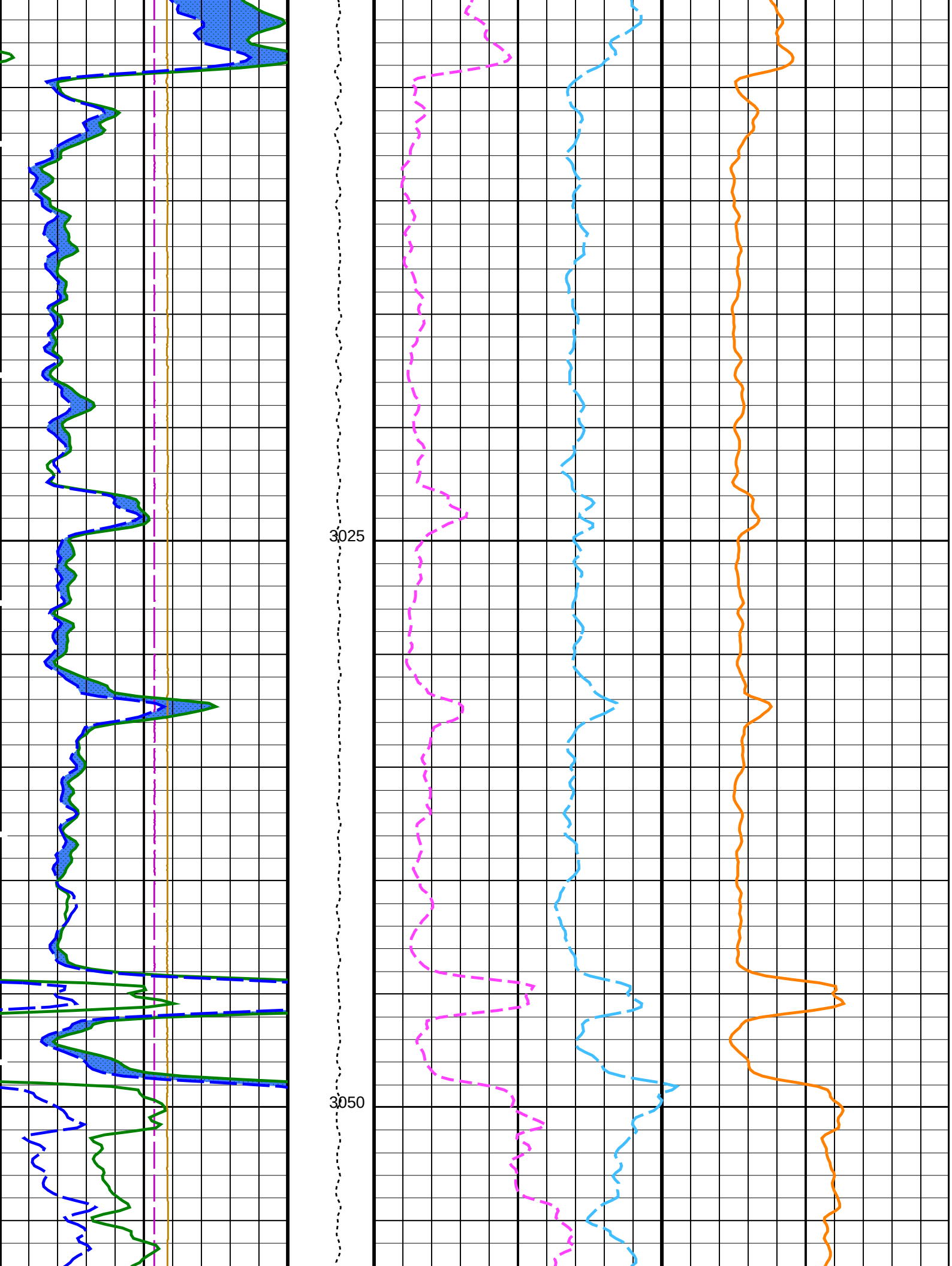
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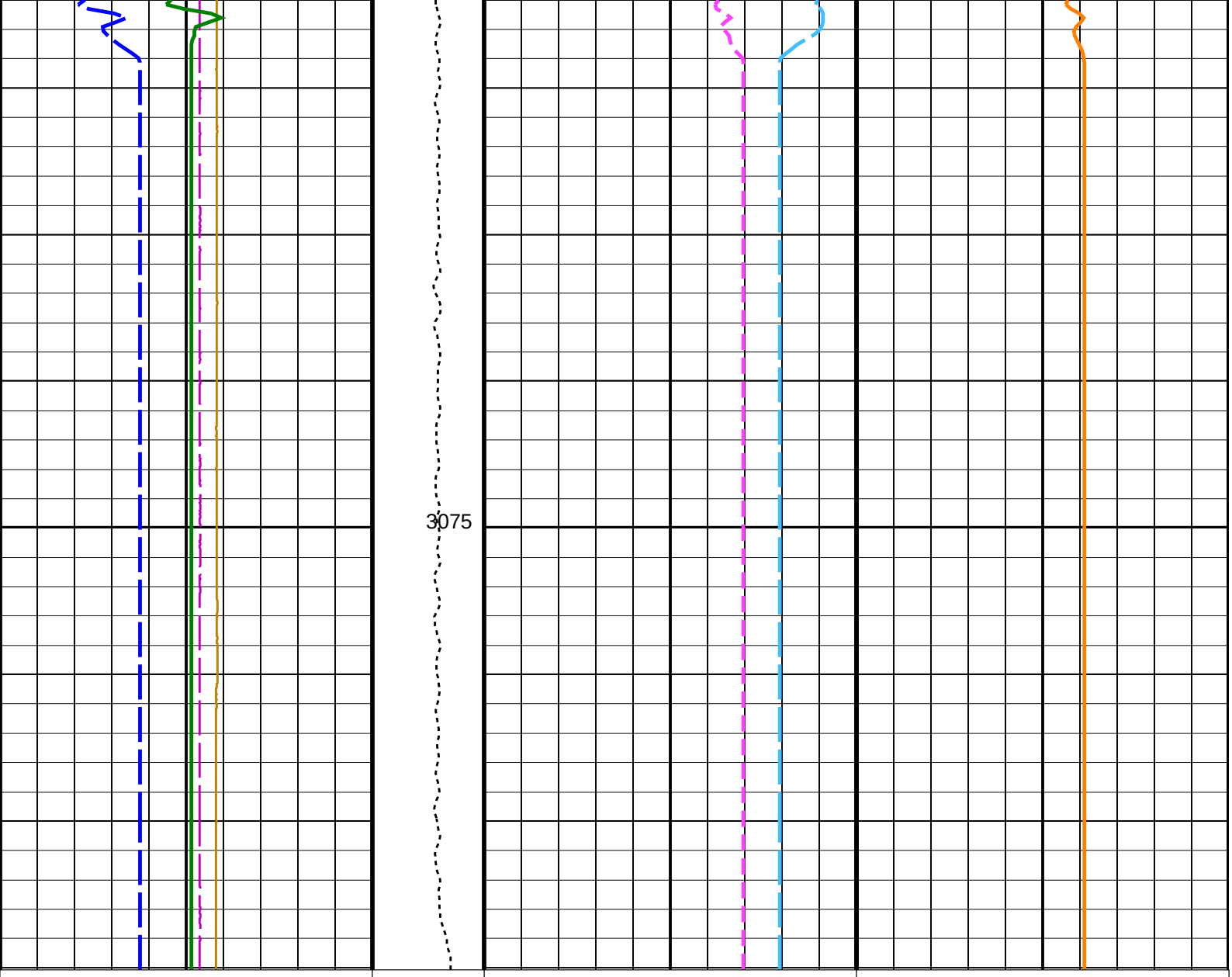


Caliper 1 (C1)
6 (IN) 16

Caliper 2 (C2)
6 (IN) 16

HNGS Computed Gamma Ray (HCGR)
0 (GAPI) 50

Area1
From HCGR to HSGR

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 50

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Uranium (HURA)
−5 (PPM) 10

HNGS Potassium (HFK)
−0.01 (−−−−) 0.04

HNGS Borehole Potassium (HBHK)
−0.05 (−−−−) 0.05

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

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	−0.0031561	
HALF	HNGS Alpha Filter Length	60	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	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.943296	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.973167	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 29−Sep−2021 18:50

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP	PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50		
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50		

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP	PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M

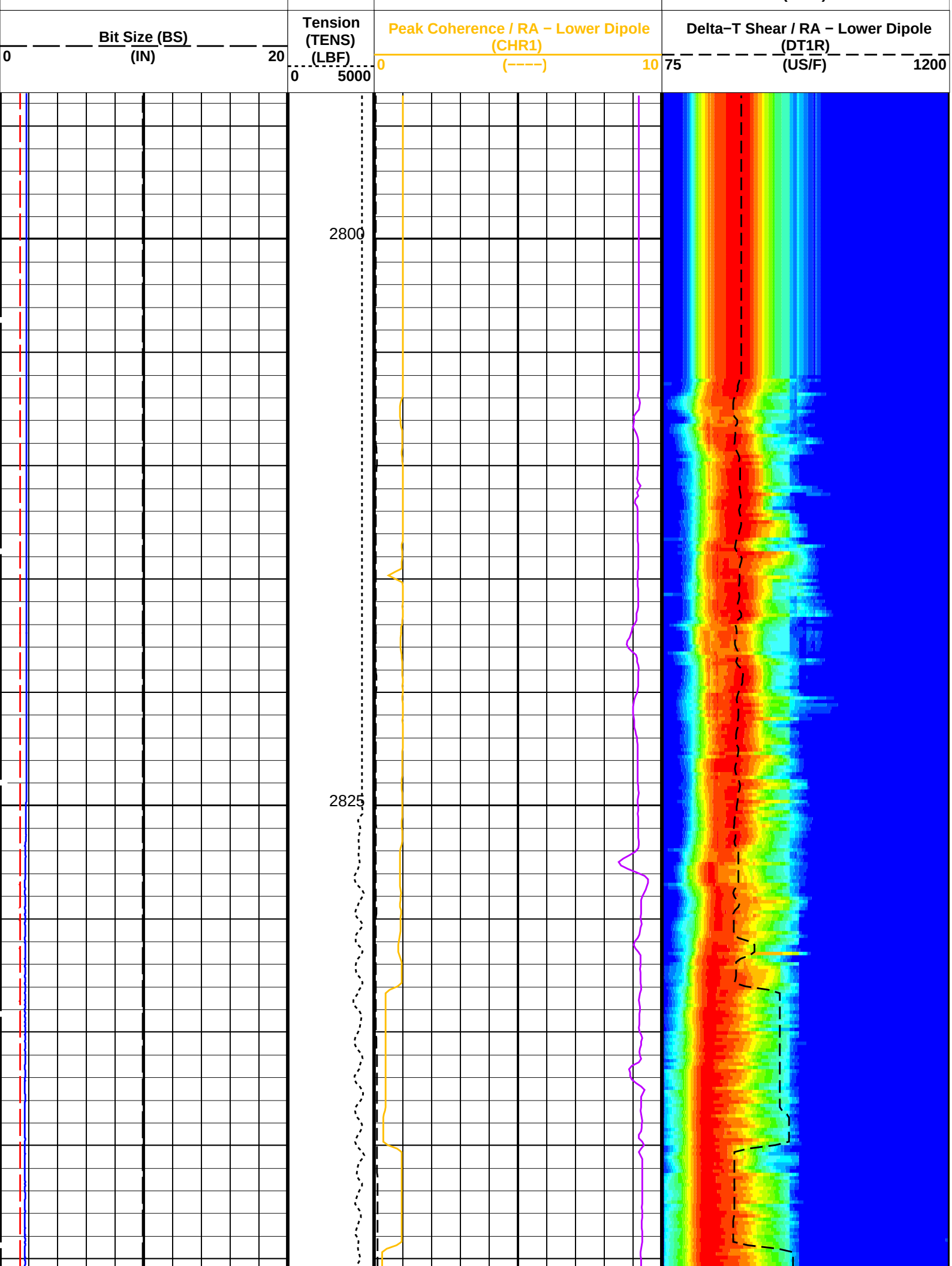
OP System Version: 19C0−187

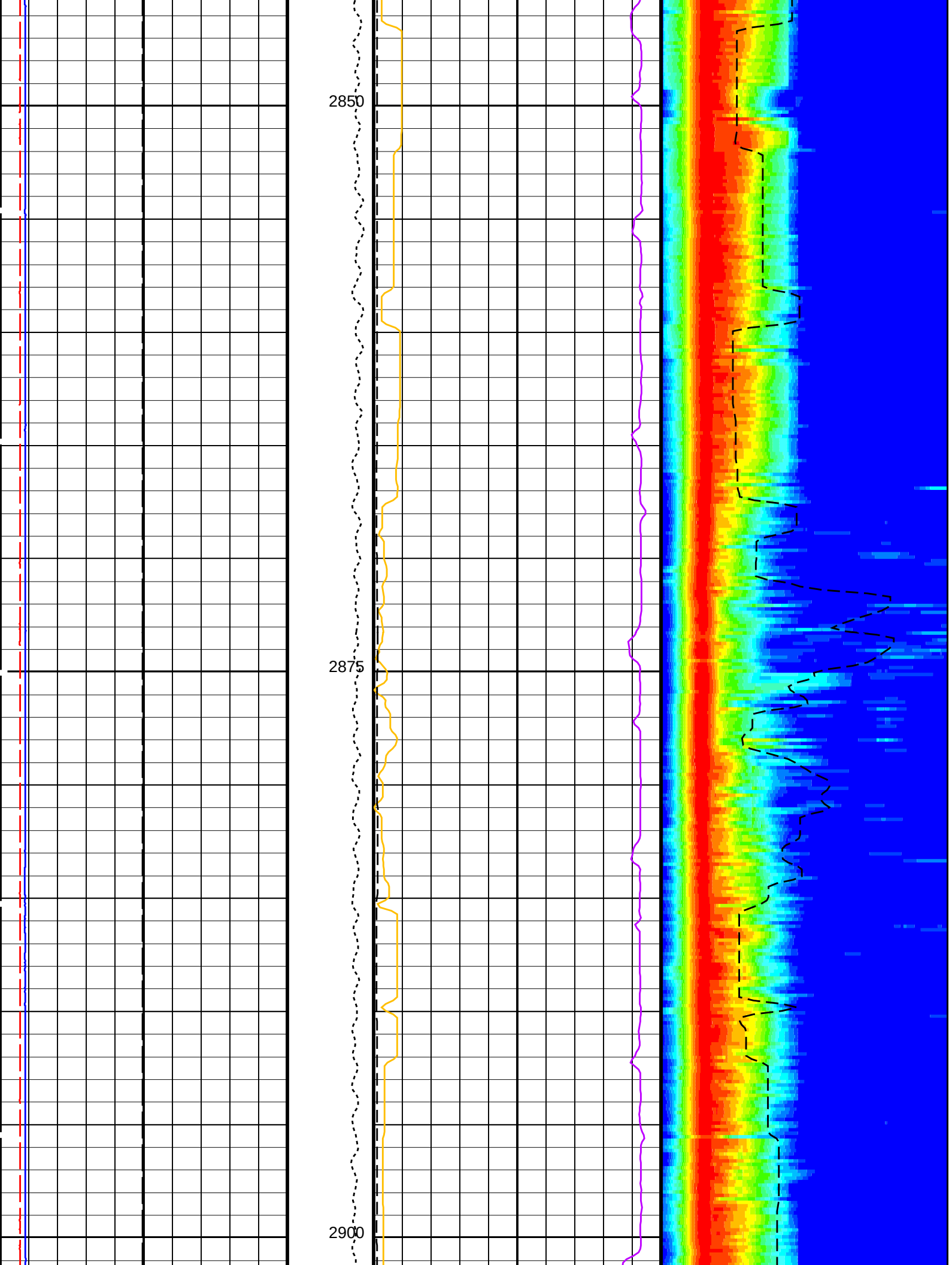
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

Caliper 1 (C1) 0 (IN) 20	Sonic Velocity (SVEL) 1000 (M/S) 6000	
Caliper 2 (C2) 0 (IN) 20	SAM1 Waveform Gain (WFG1) 0 (−−−−) 1000	Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) 75 (US/F) 1200


Bit Size (BS)
0
(IN)
20
Tension
(TENS)
(LBF)
0
5000
Peak Coherence / RA − Lower Dipole
(CHR1)
0
(−−−−)
10
Delta−T Shear / RA − Lower Dipole
(DT1R)
75
(US/F)
1200
2800
2825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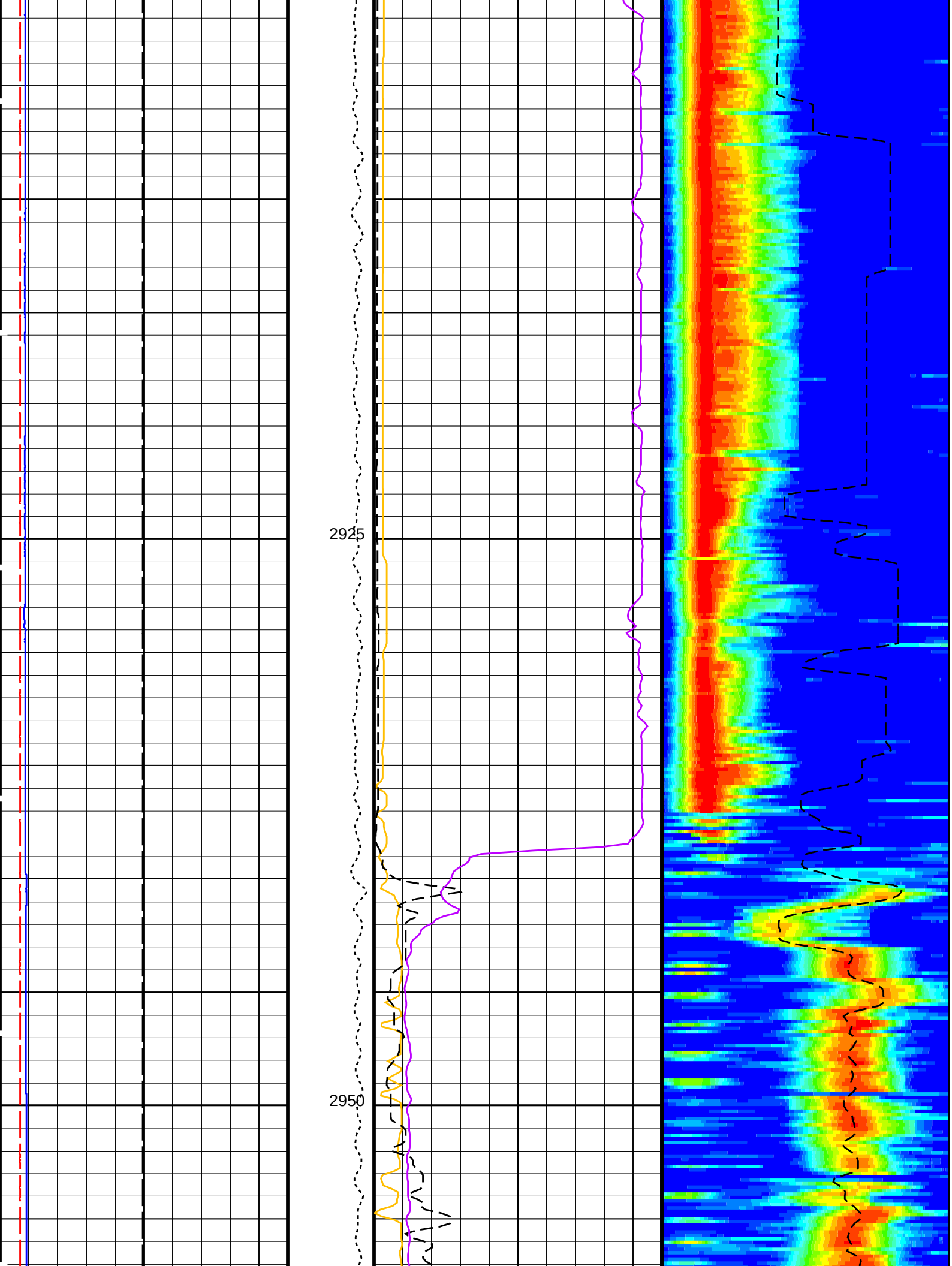
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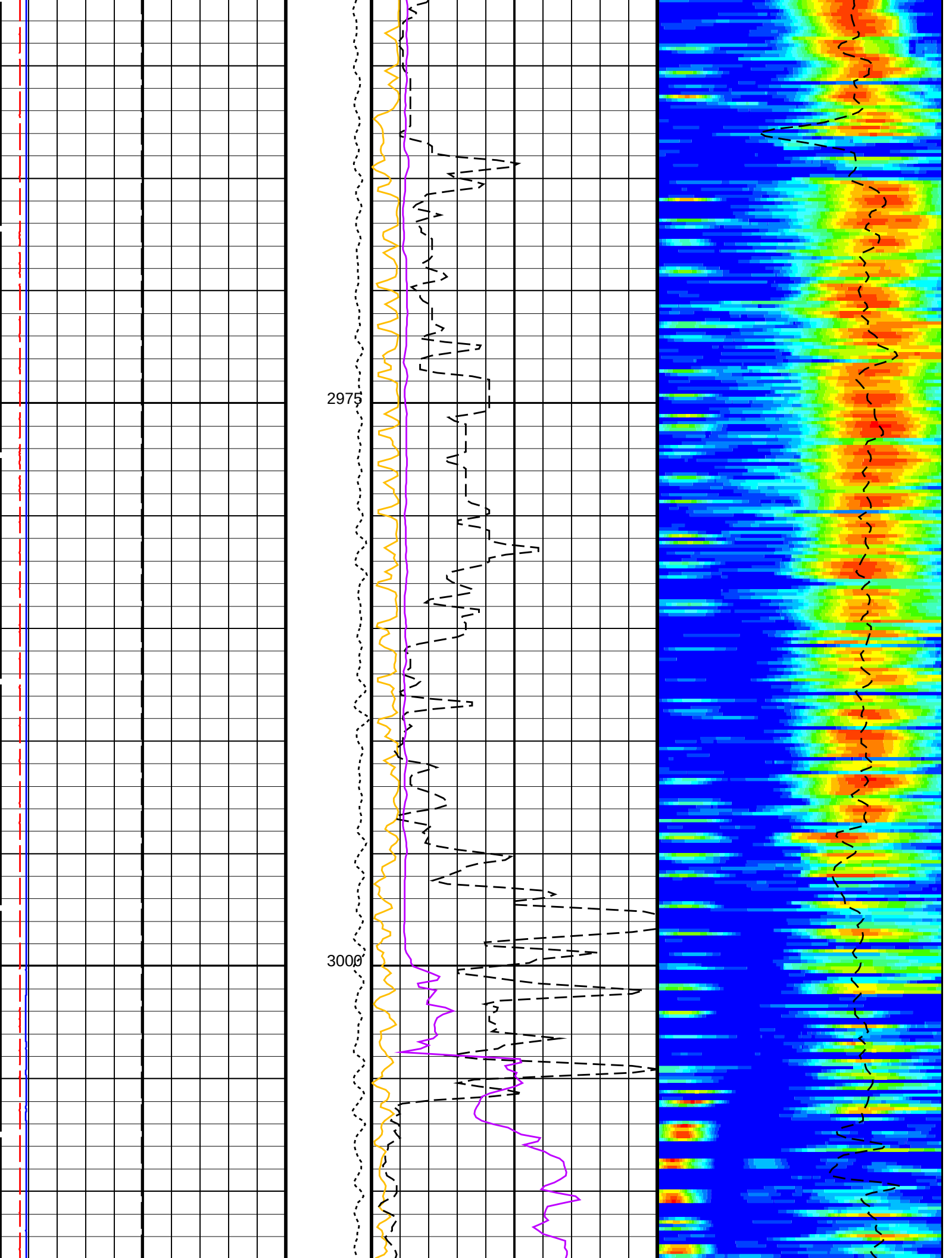
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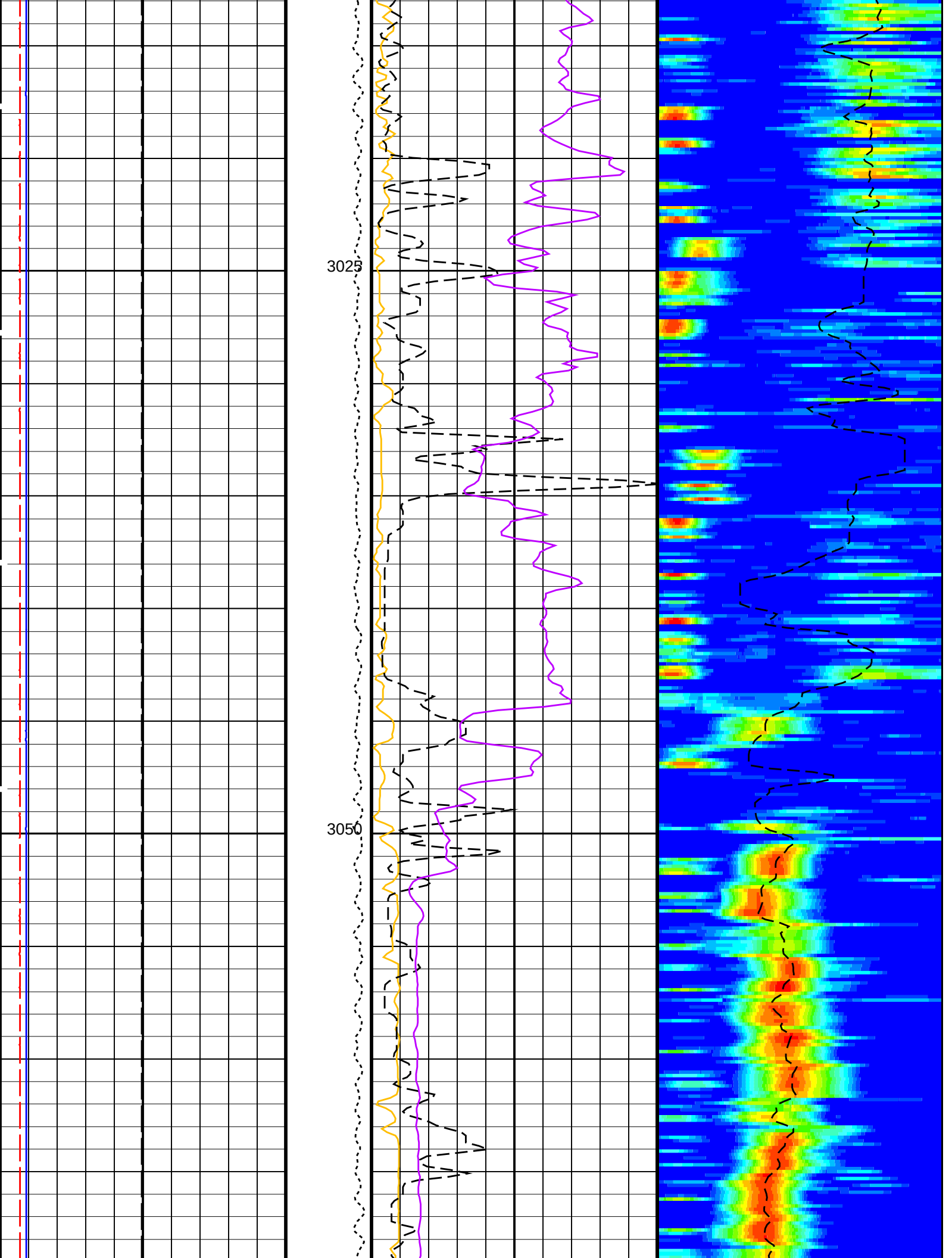
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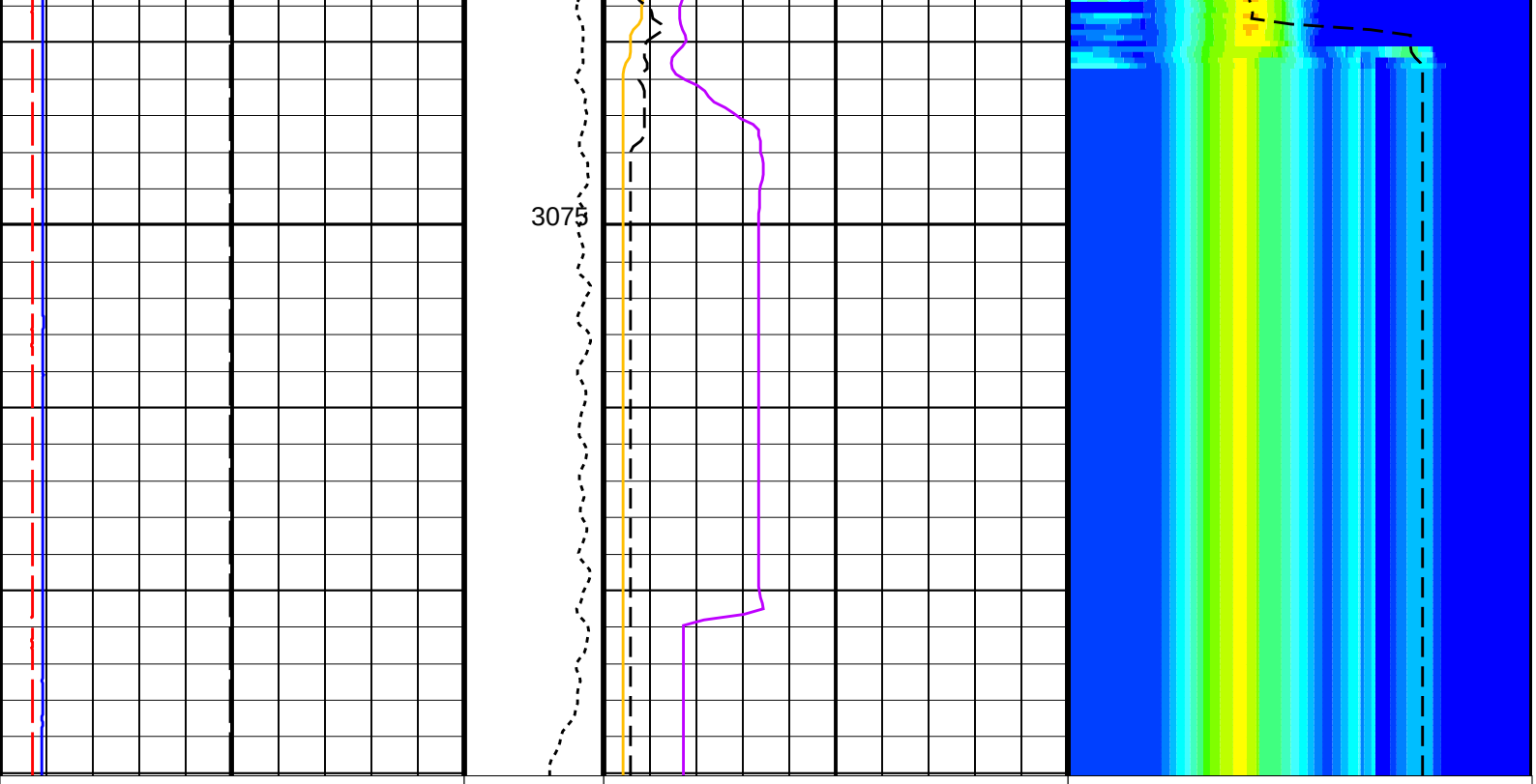


Parameters

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	350	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1050	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: 29−Sep−2021 18:50

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP	PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50		
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50		

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP	PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

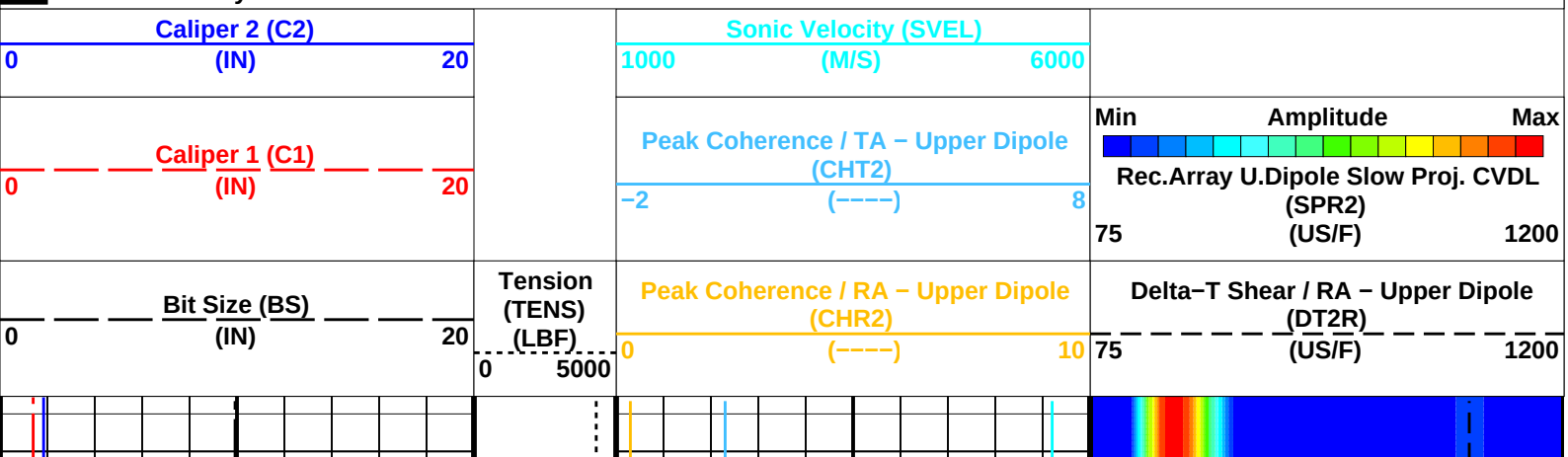
DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M

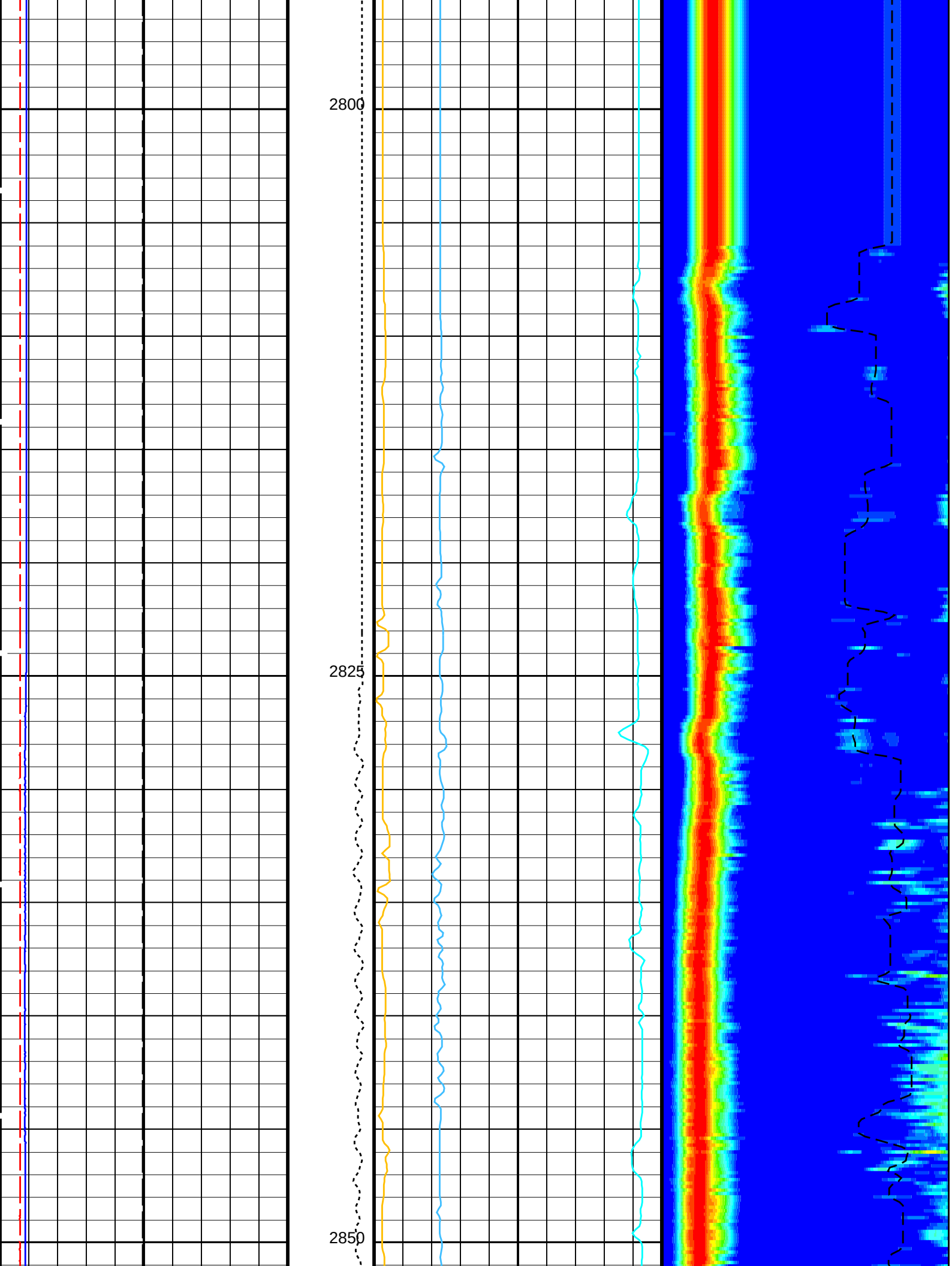
OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

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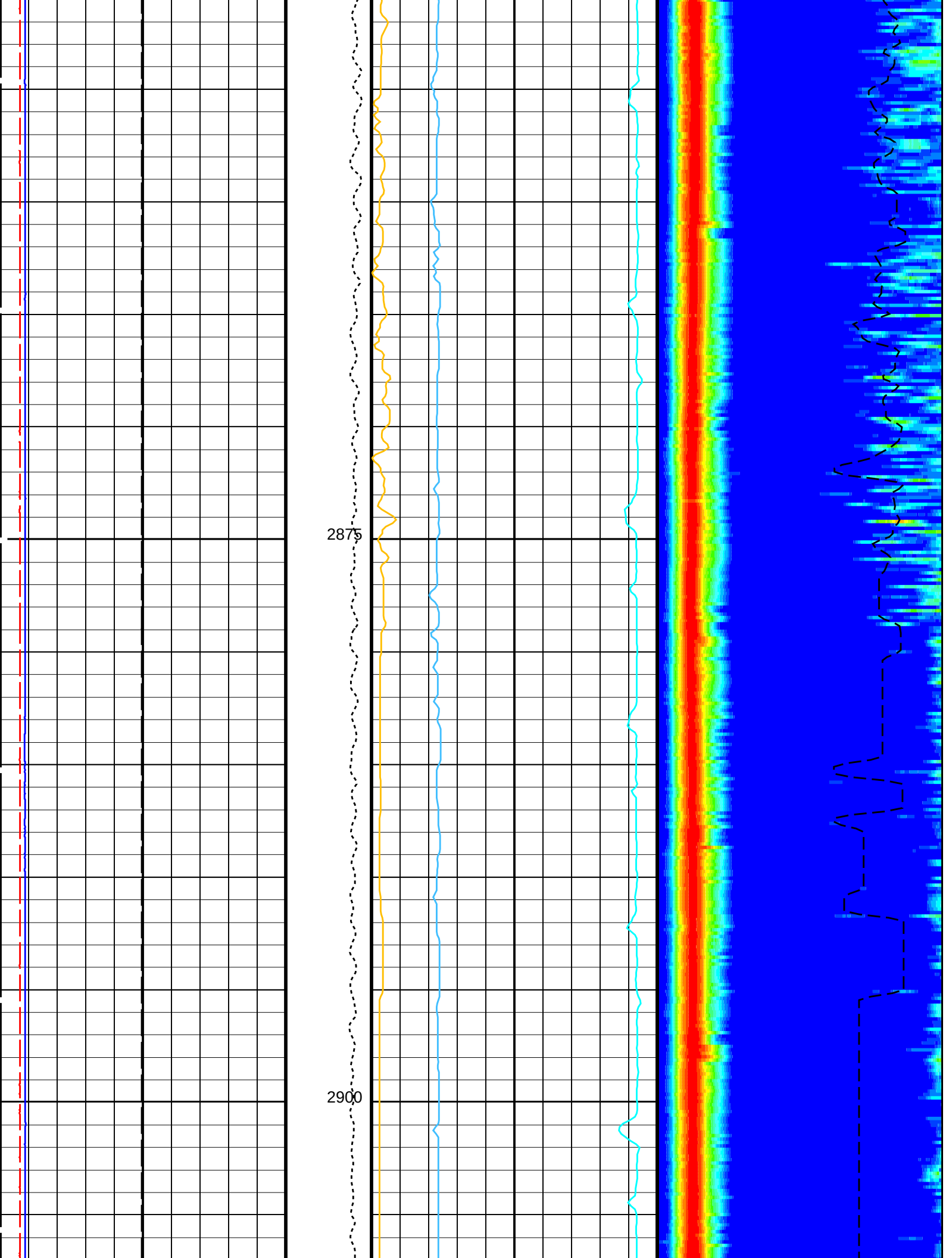
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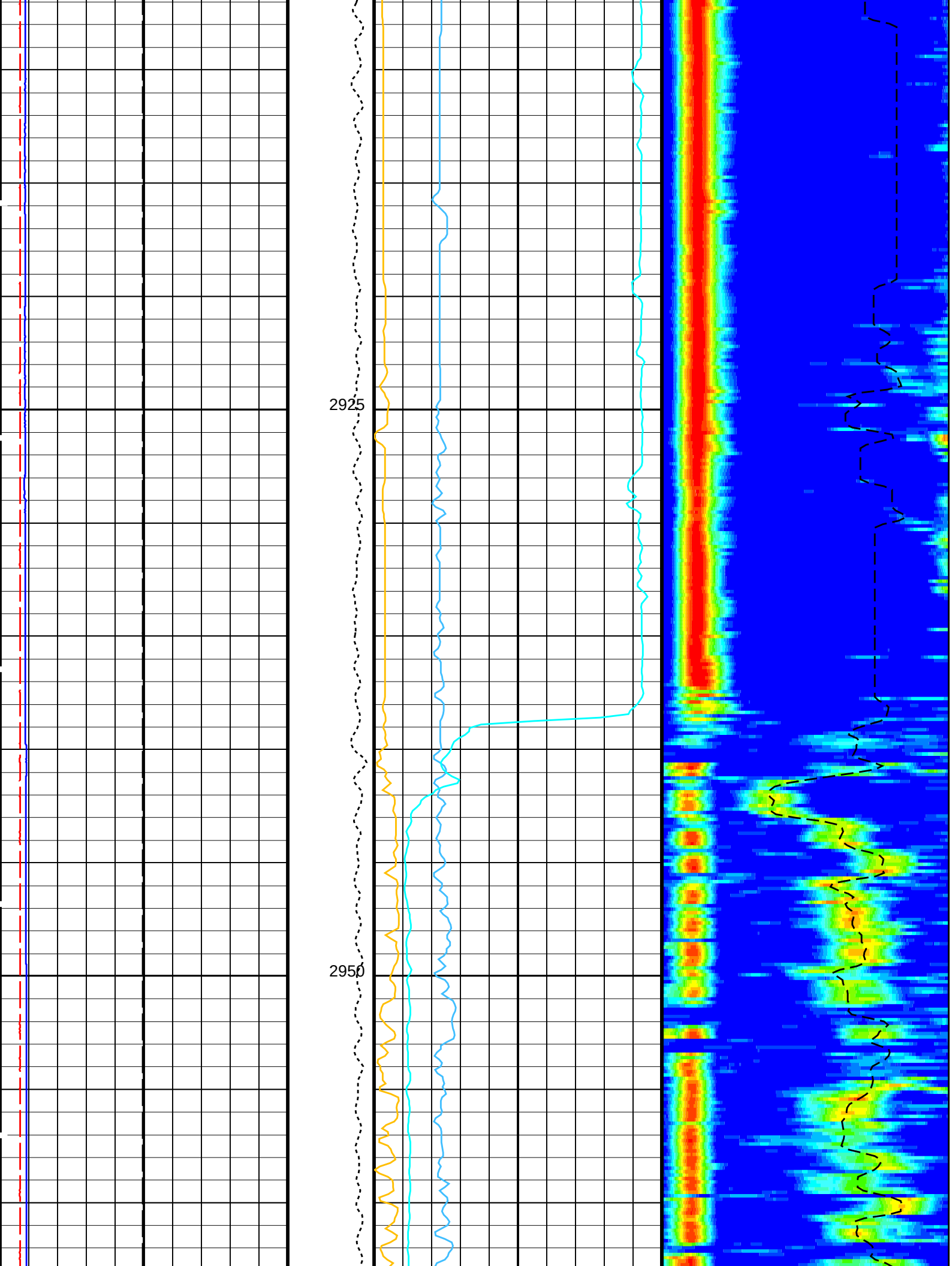
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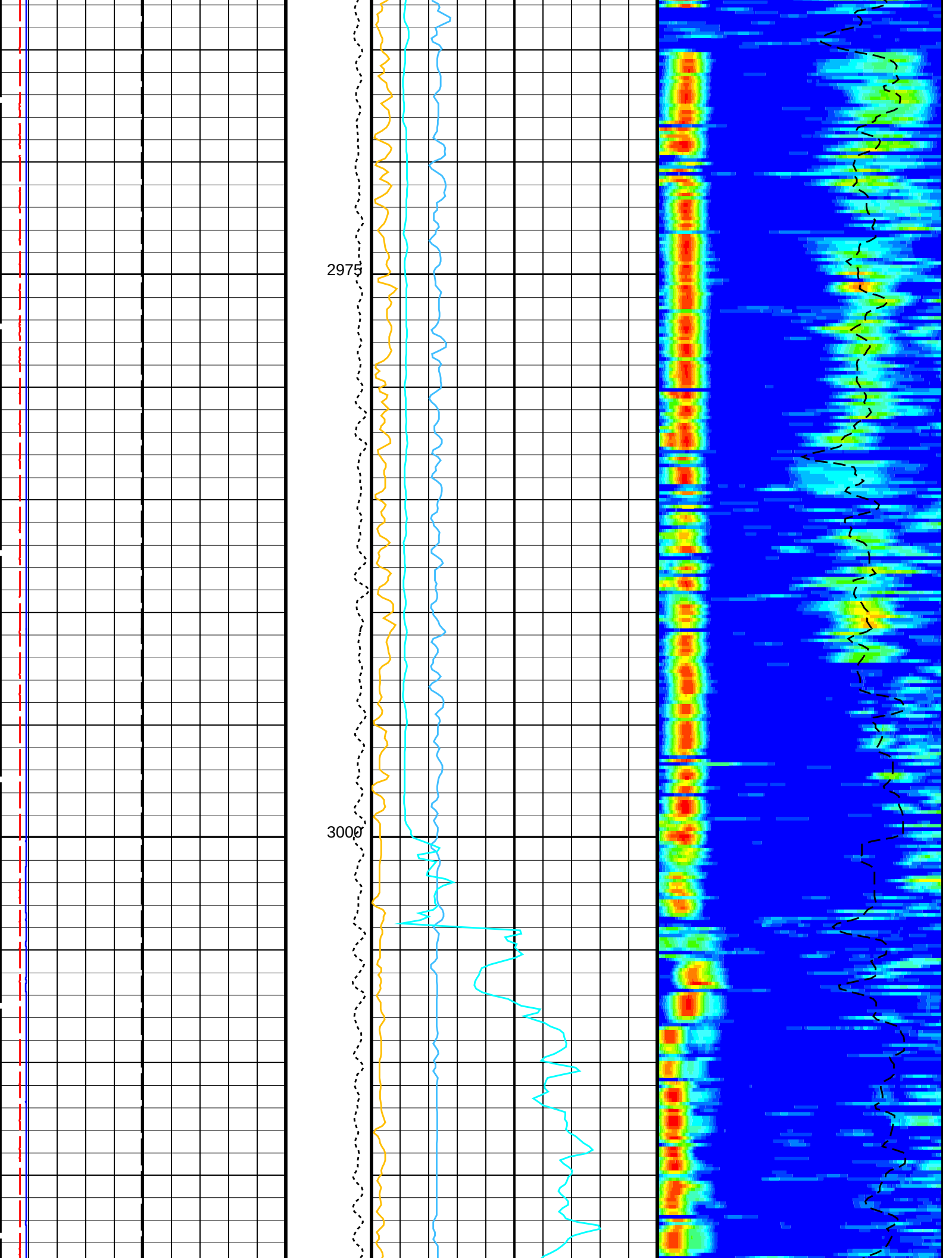
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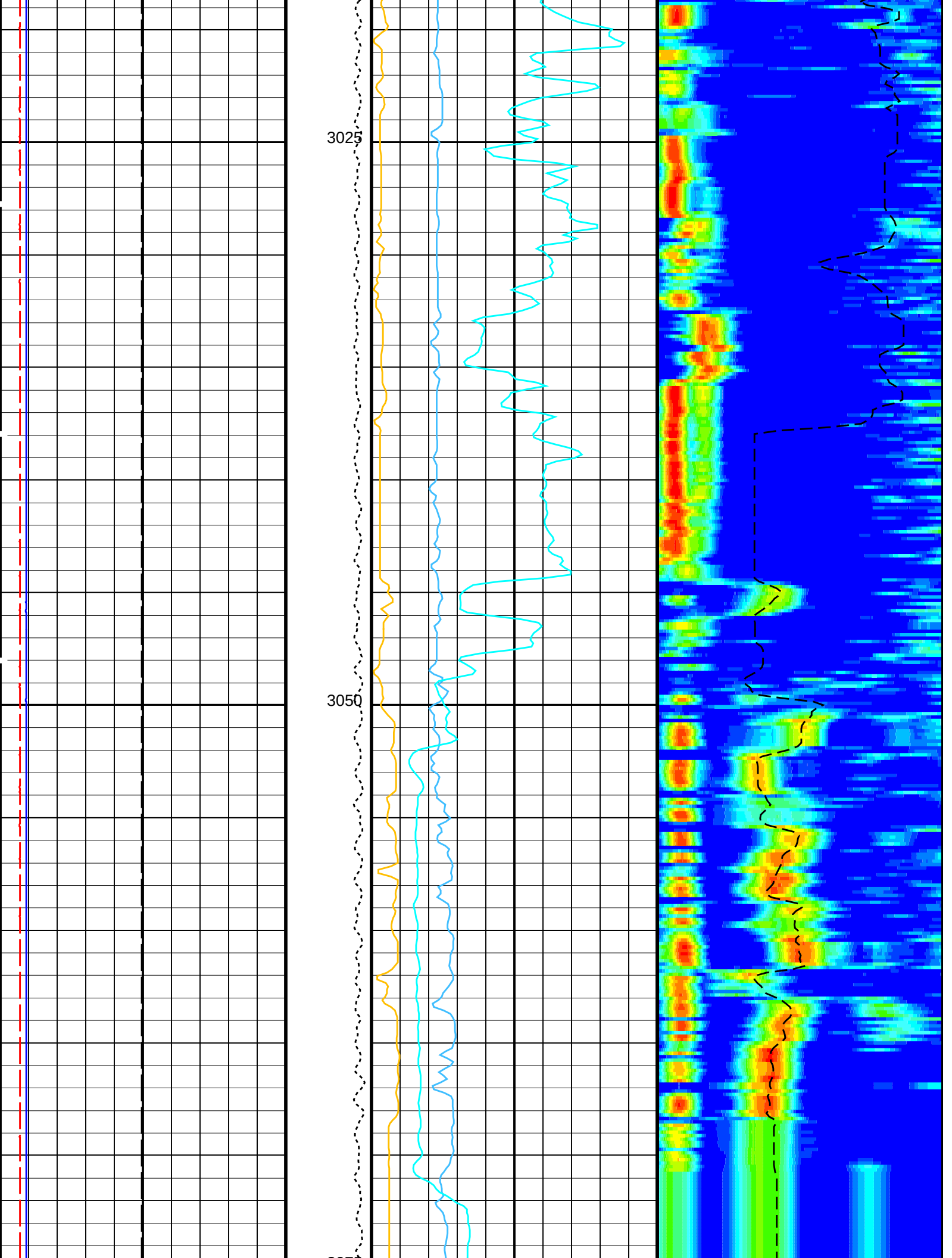
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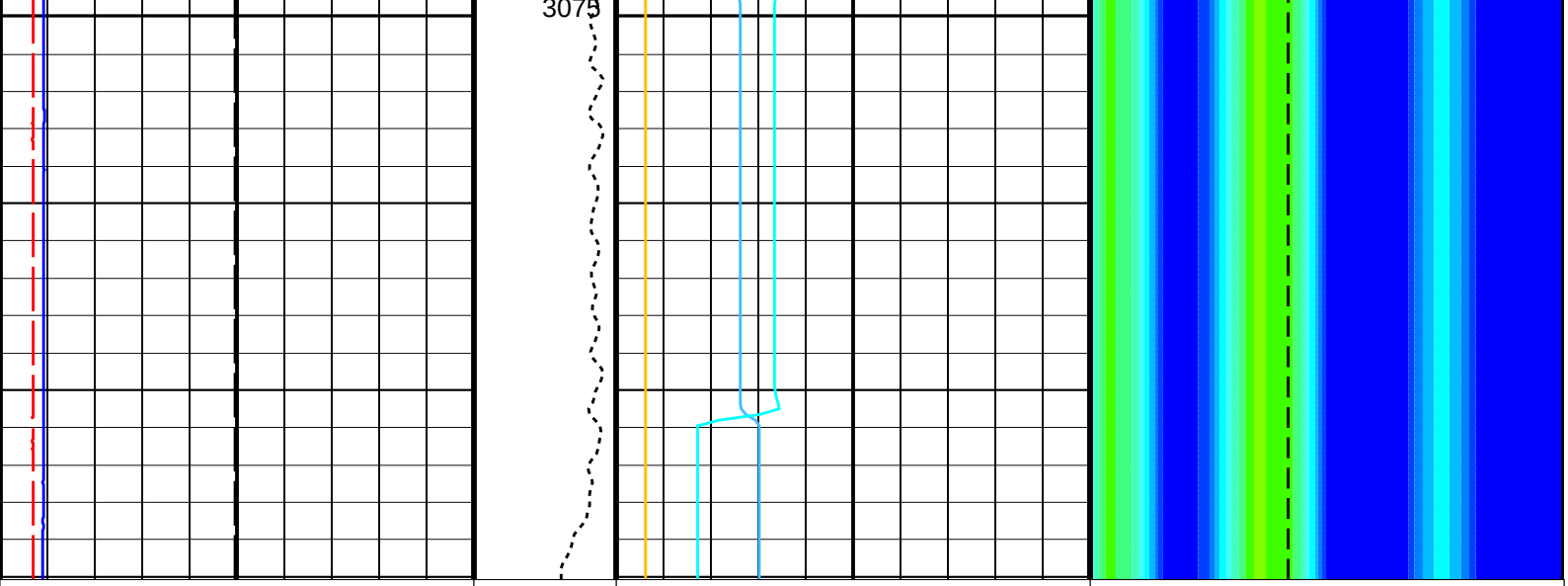


Parameters

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	350	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1050	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	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 29−Sep−2021 18:50**

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP	PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50		
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50		

Company: International Ocean Discovery Program **Well: Expedition 396, Site U1574A**

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP	PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

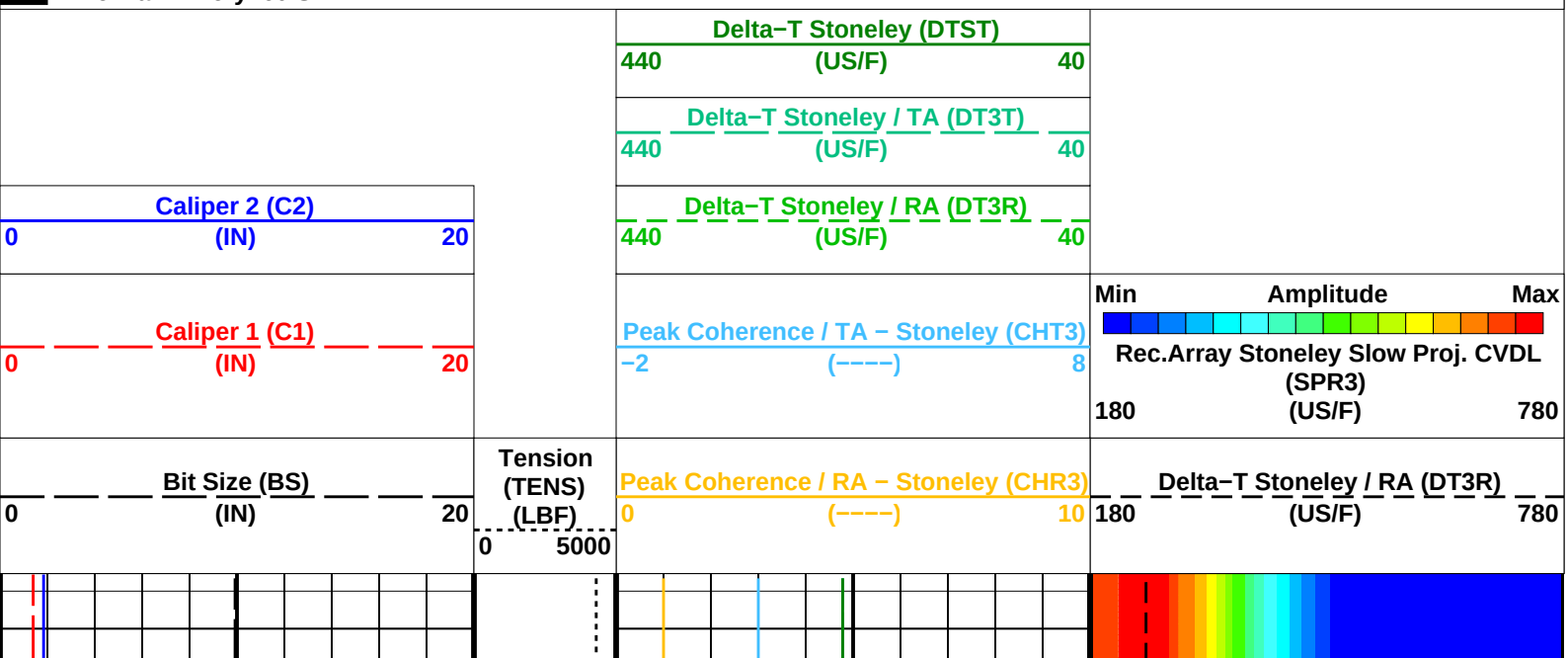
DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M

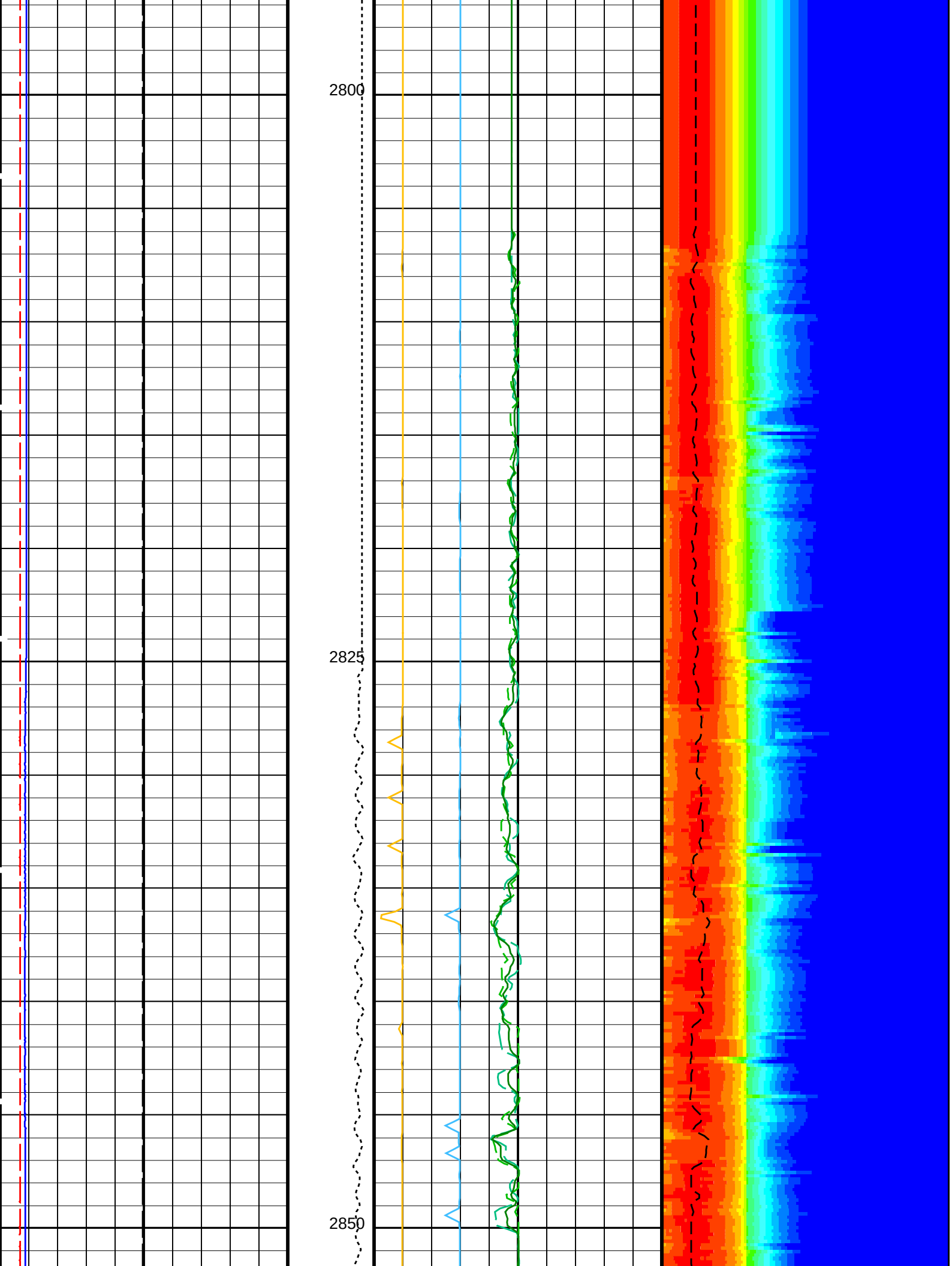
OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

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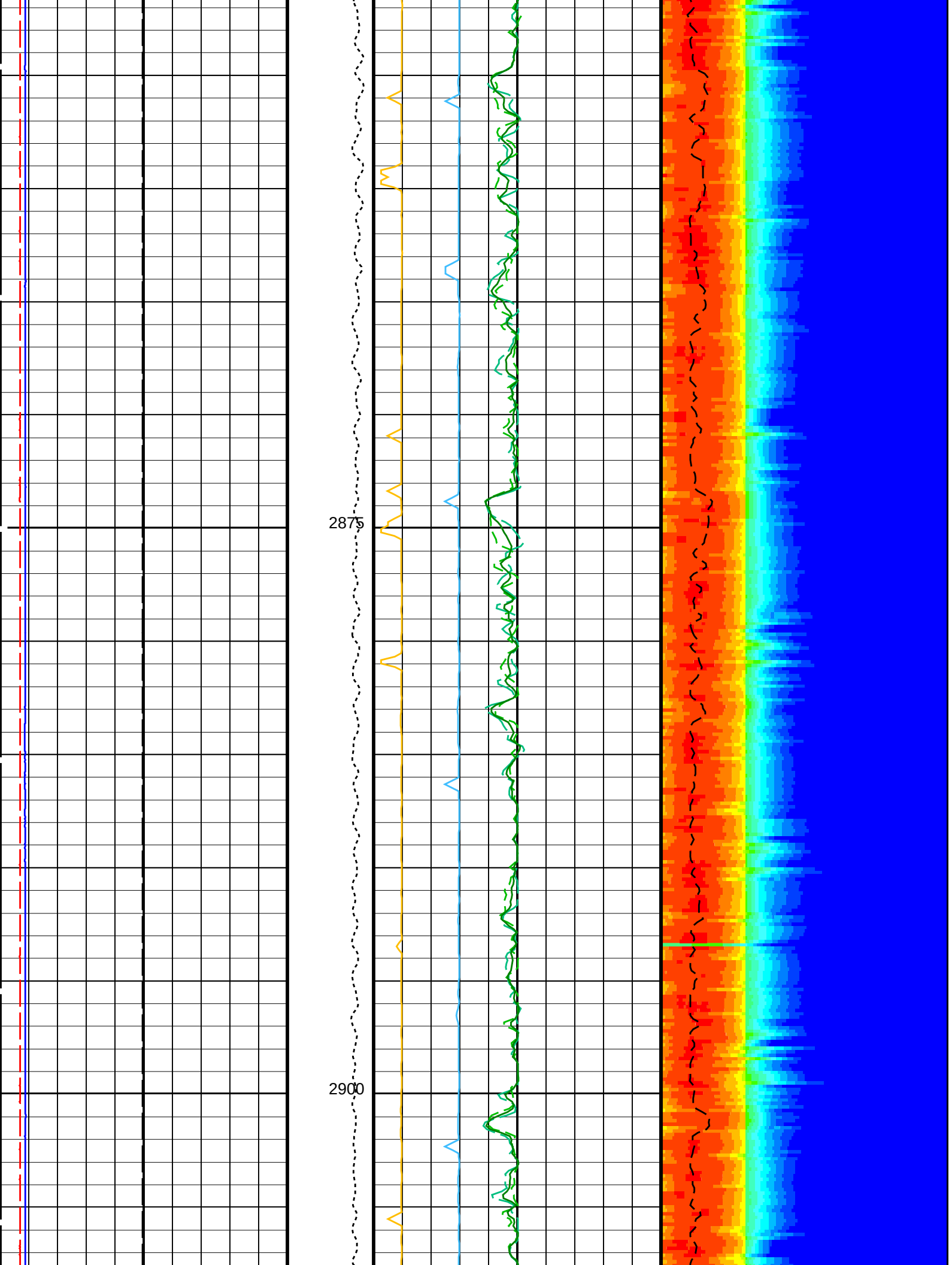
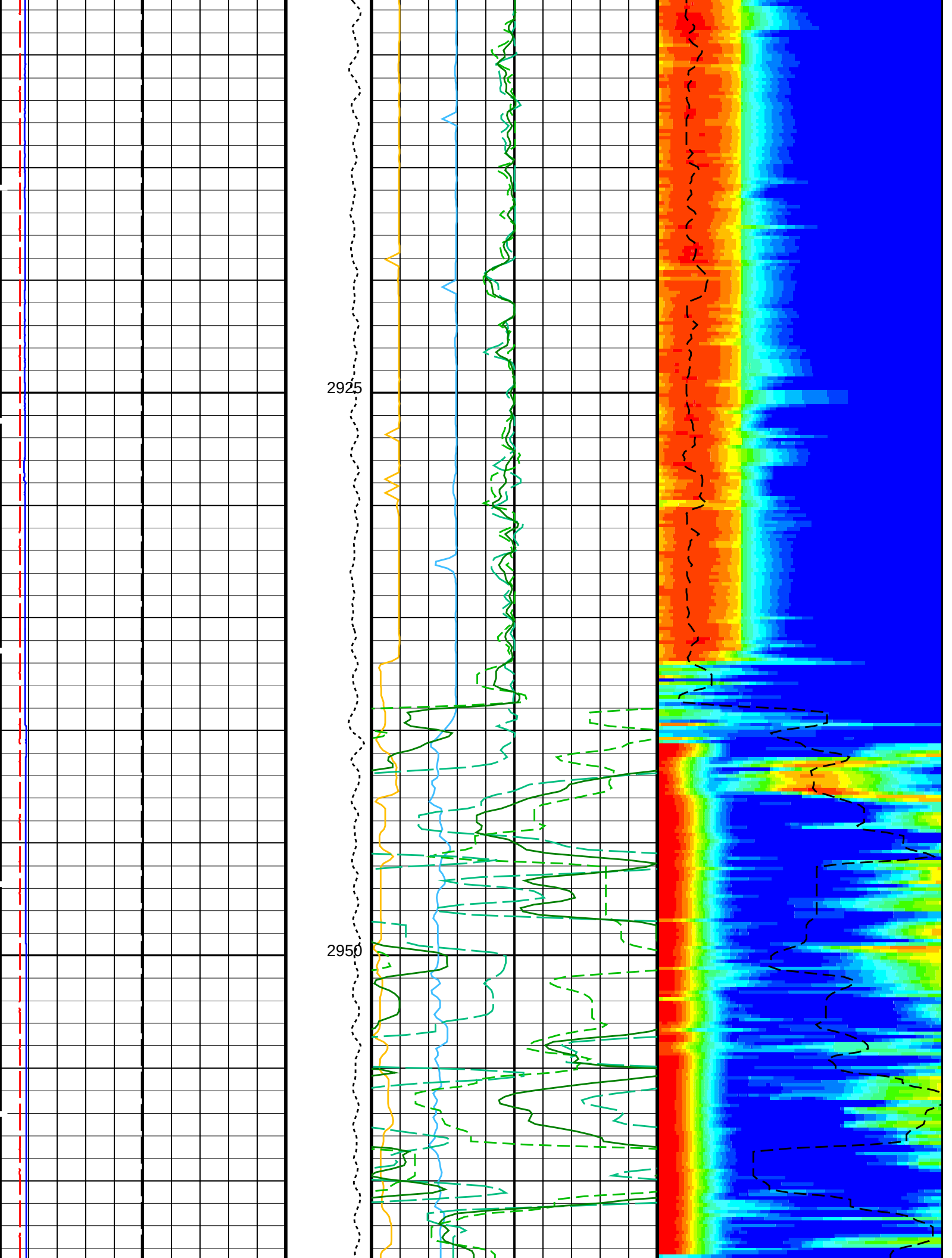
2825
2850


2875
2900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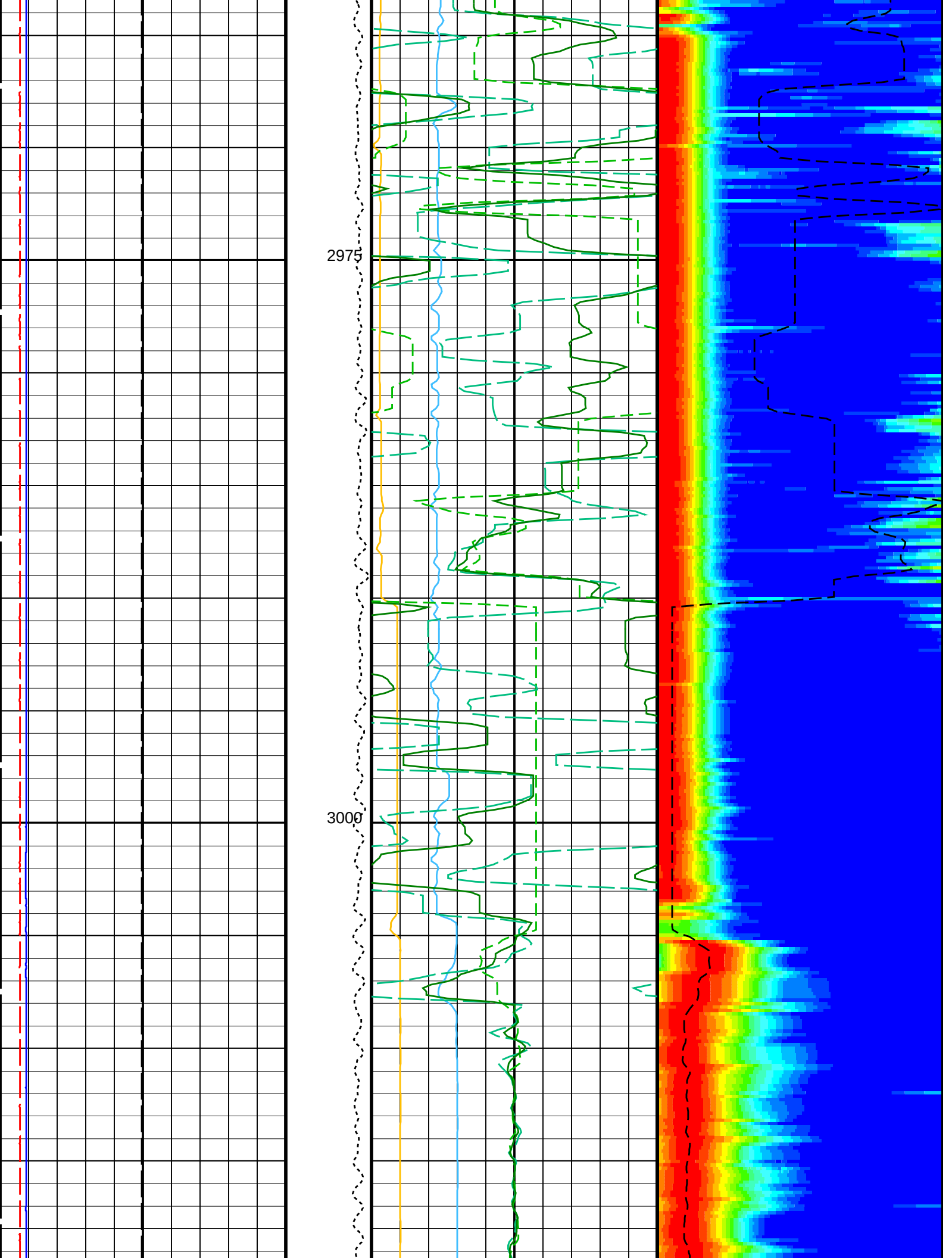
2950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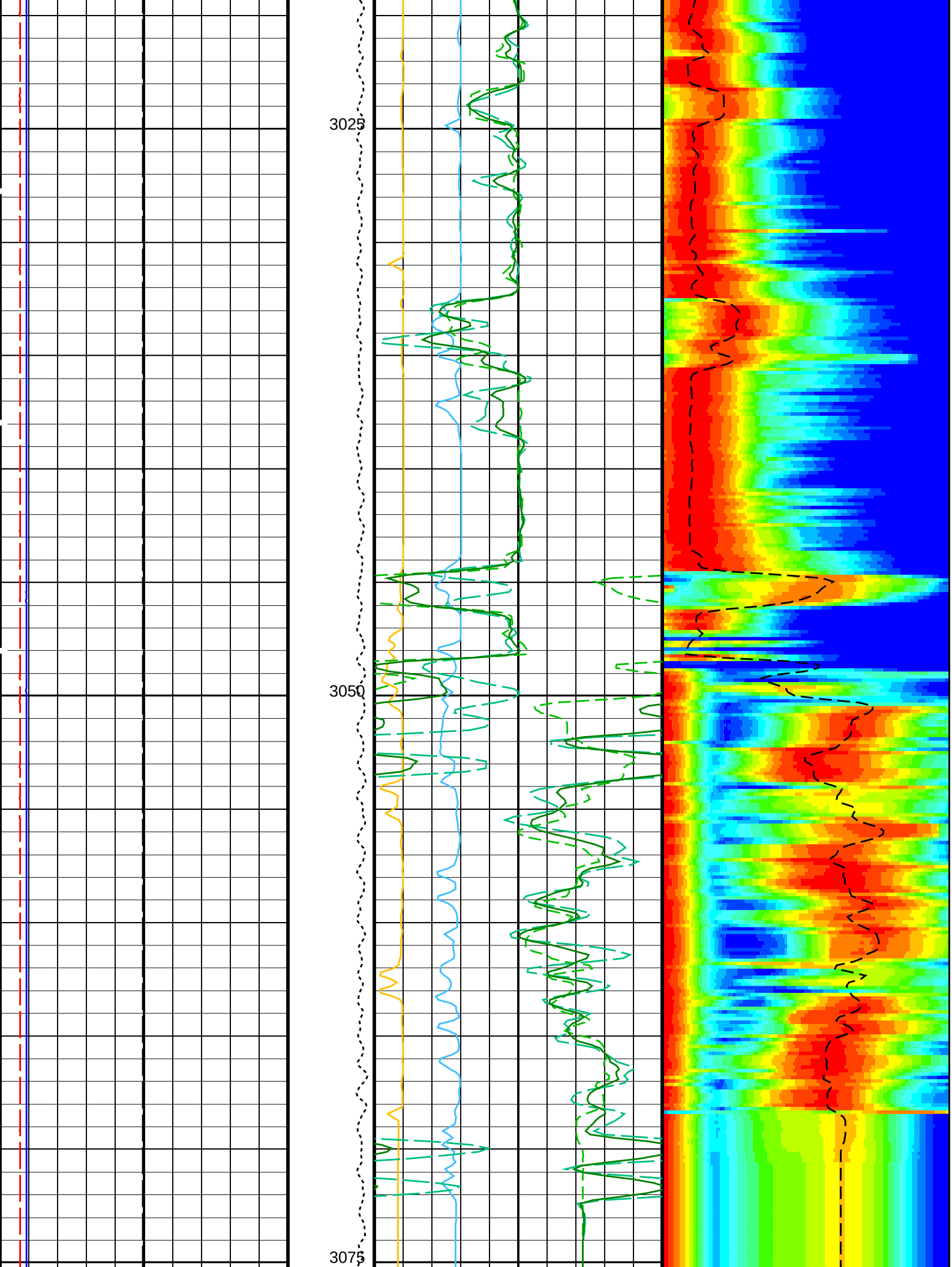
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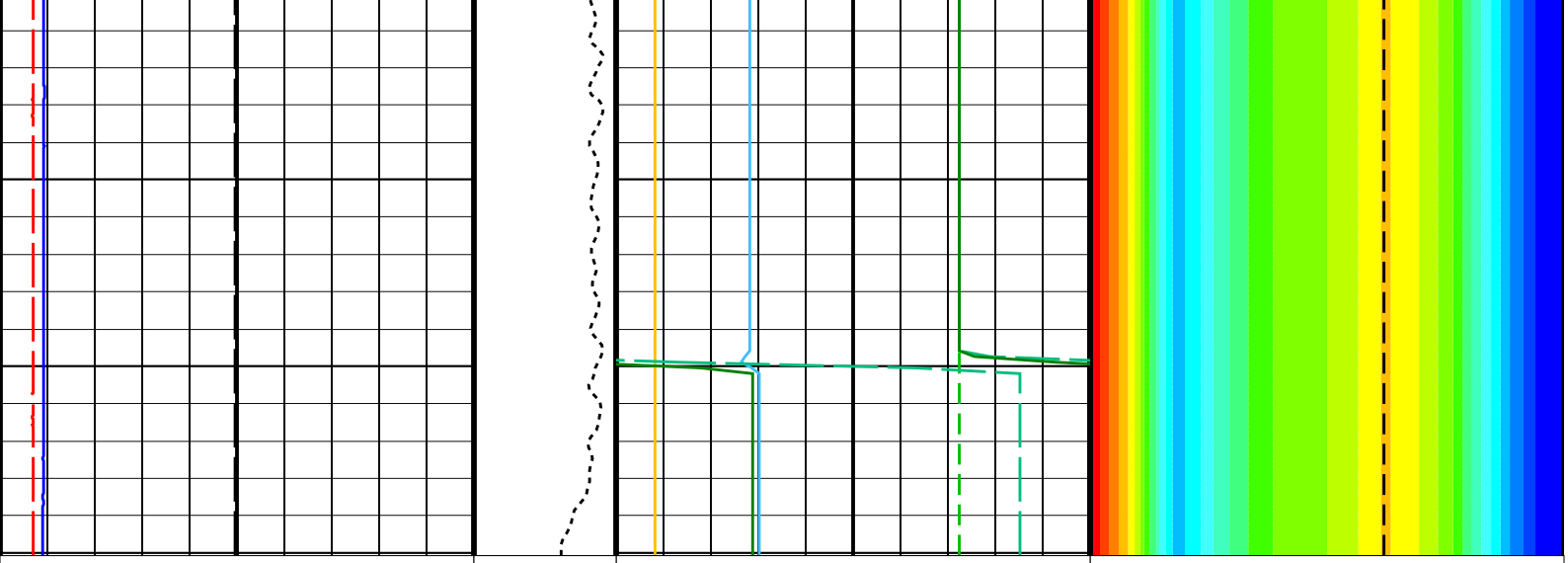
3050
3075



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	ODD	
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	210	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: 29−Sep−2021 18:50**

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP	PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50		
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50		

Company: International Ocean Discovery Program **Well: Expedition 396, Site U1574A**

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP	PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

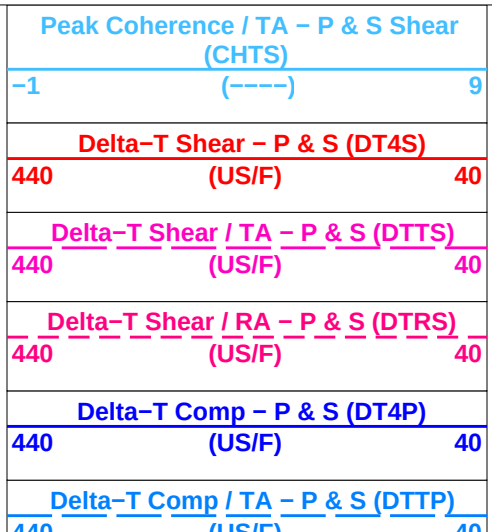
DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50	3090.1 M	2793.5 M

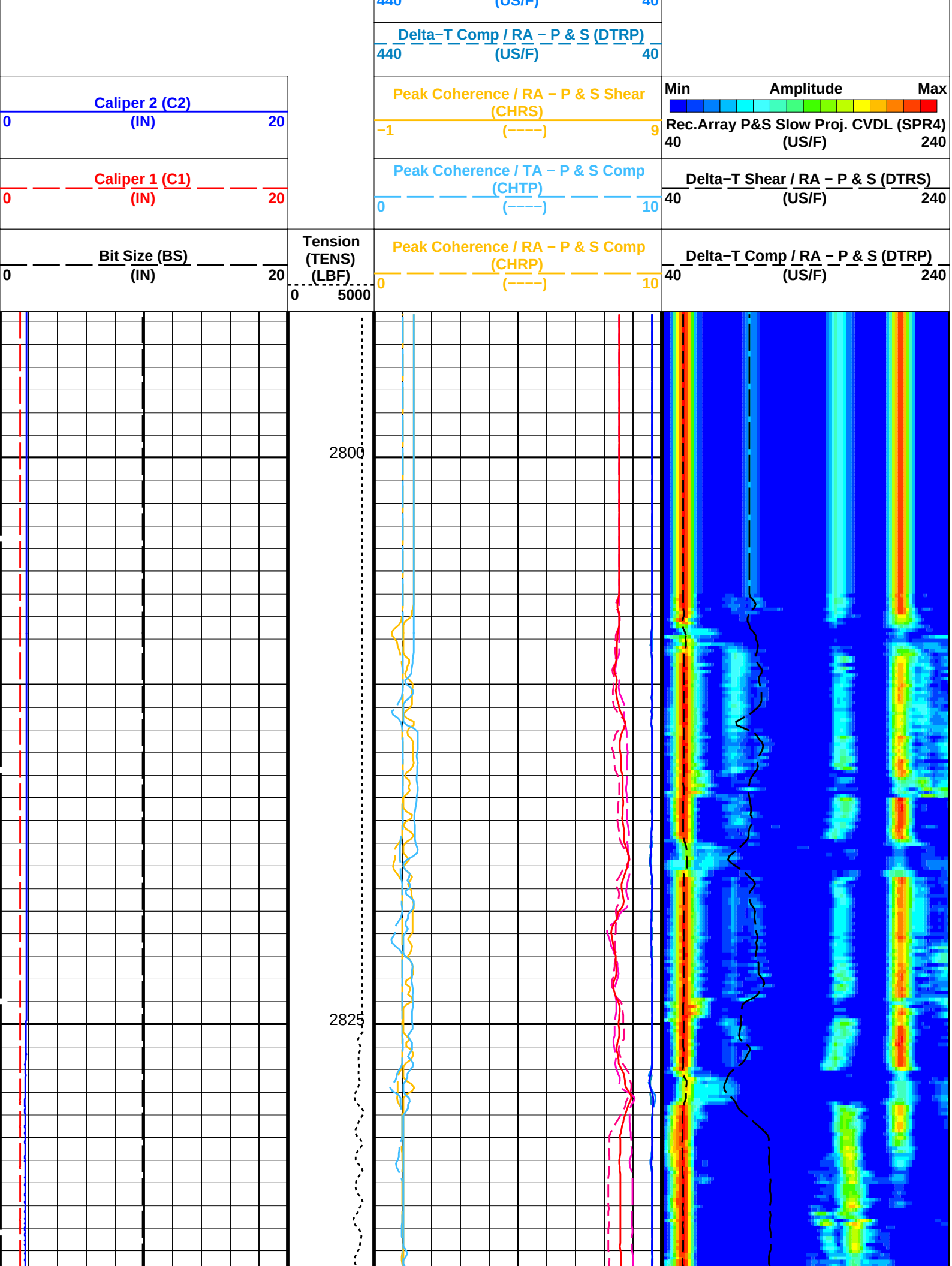
OP System Version: 19C0−187

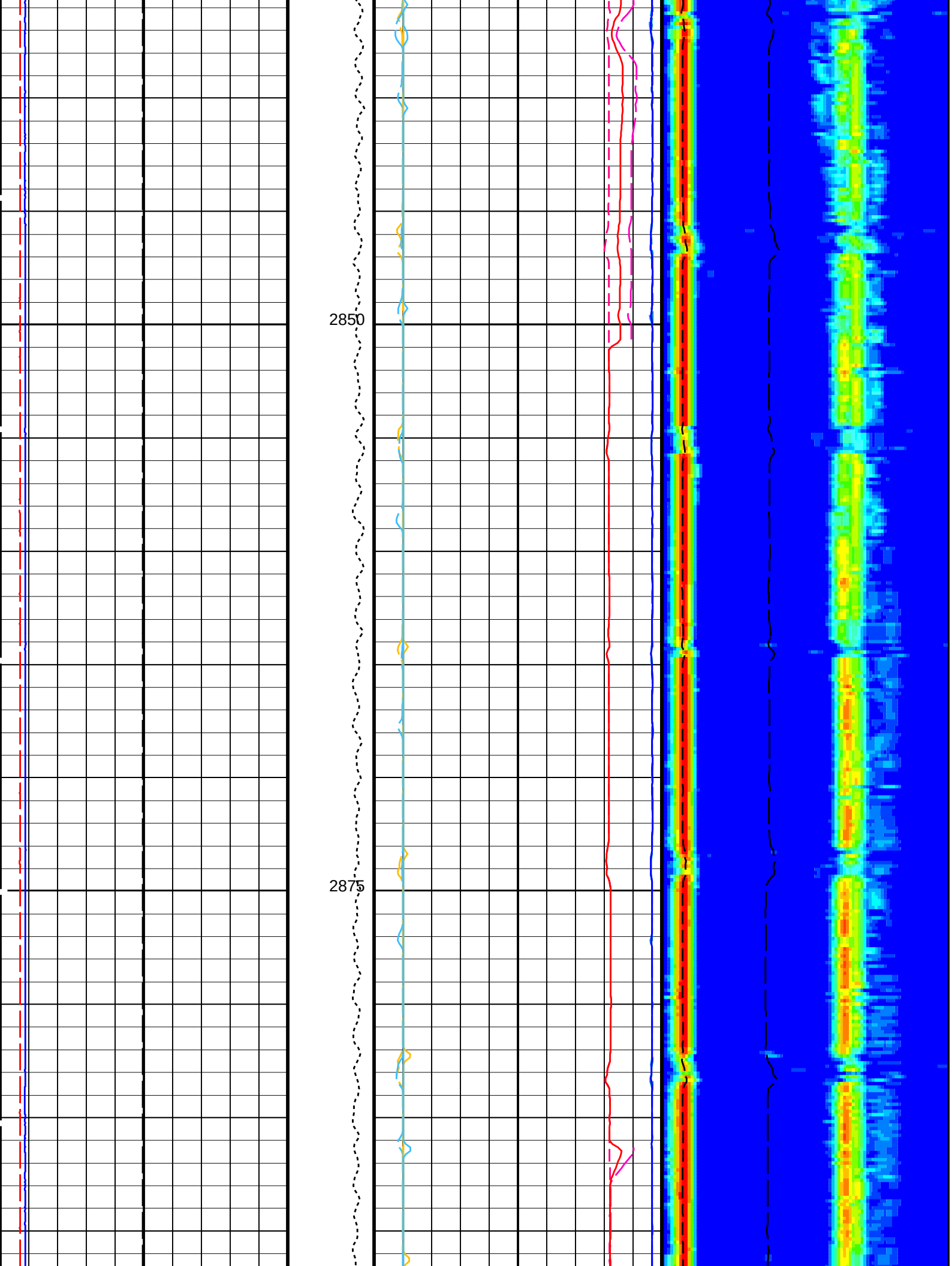
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

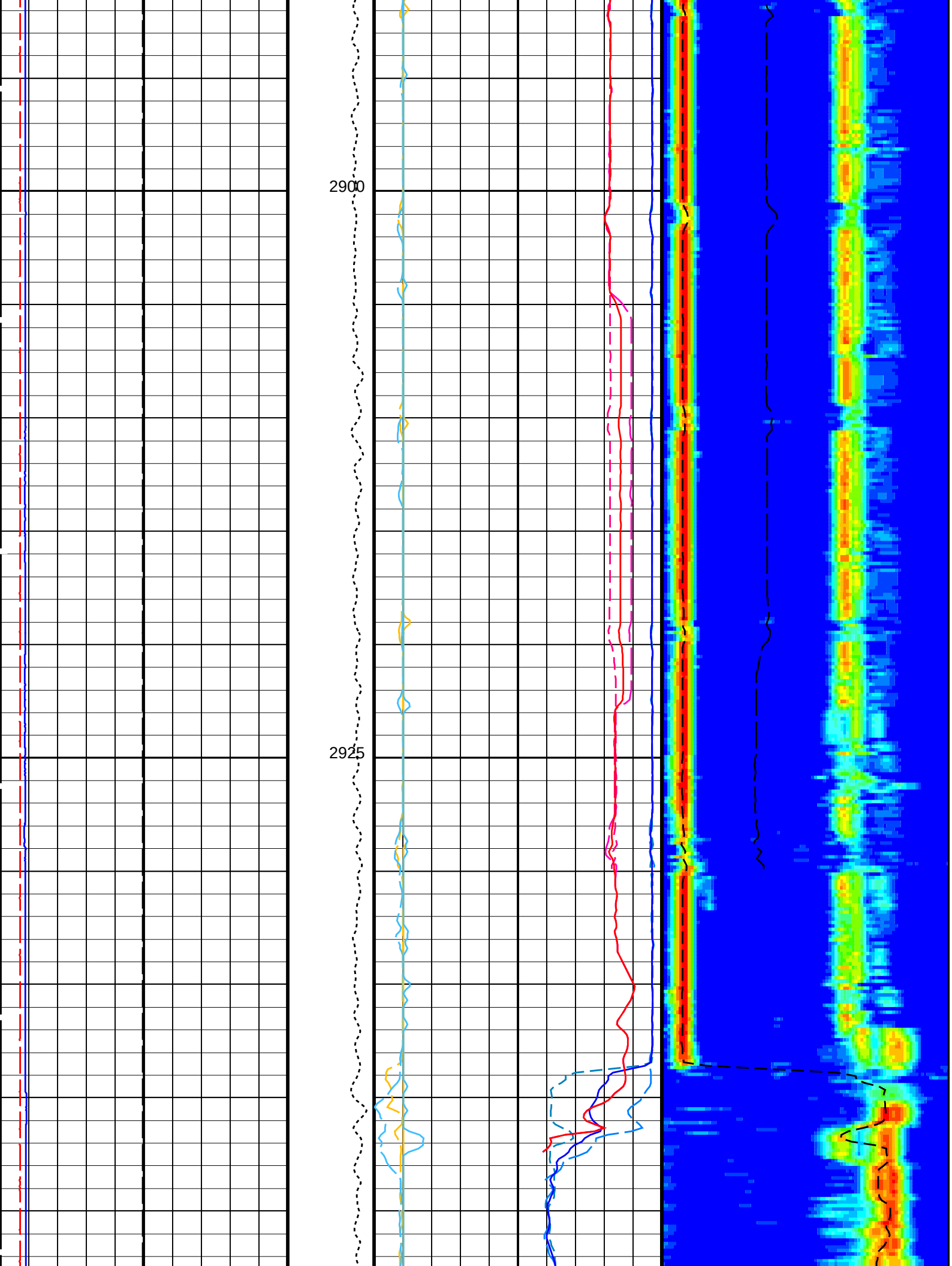
PIP SUMMARY

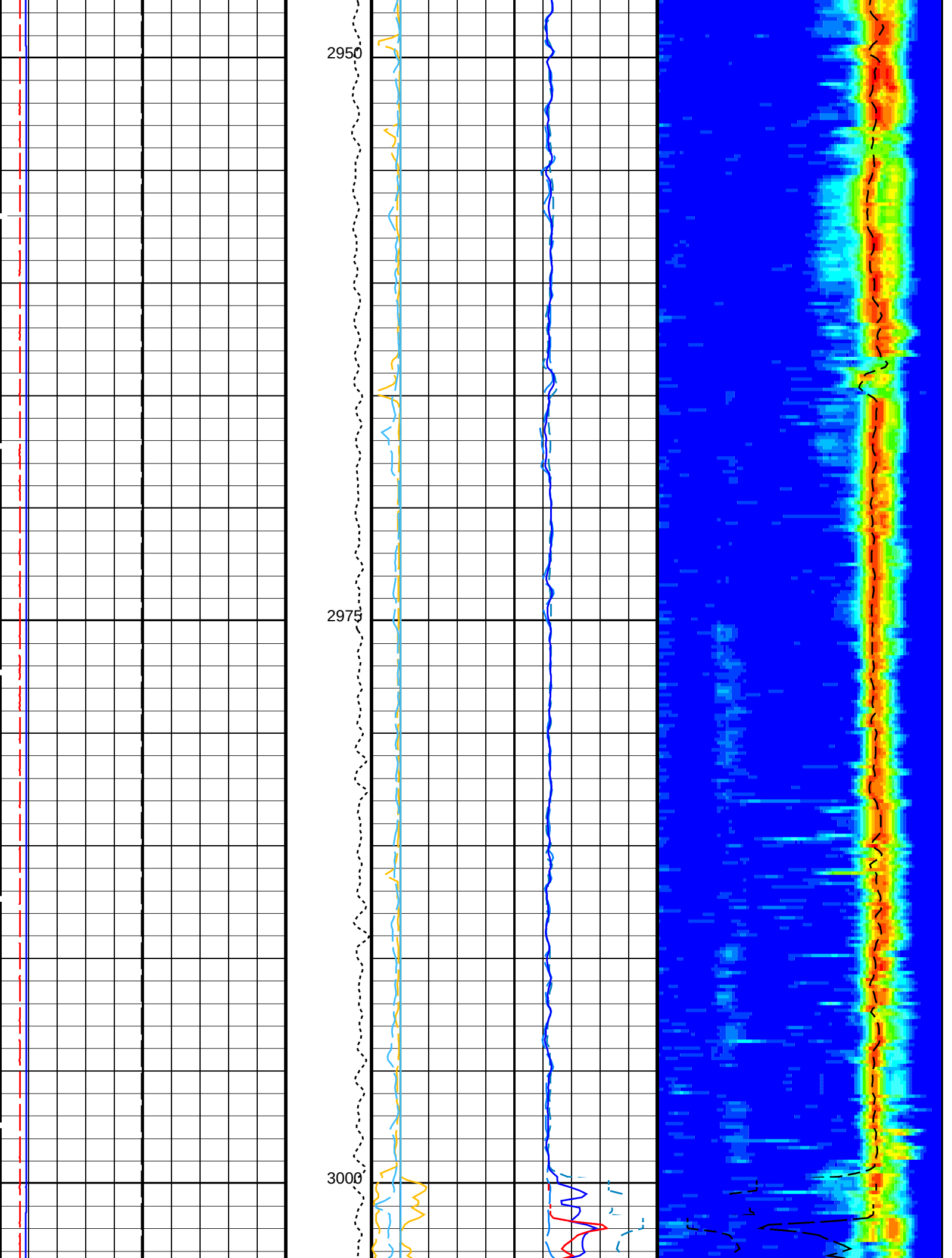
Time Mark Every 60 S




440 (US/F) 40
Delta−T Comp / RA − P & S (DTRP)
440 (US/F) 40
Caliper 2 (C2)
0 (IN) 20
Peak Coherence / RA − P & S Shear (CHRS)
−1 (−−−−) 9
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240
Caliper 1 (C1)
0 (IN) 20
Peak Coherence / TA − P & S Comp (CHTP)
0 (−−−−) 10
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240
Bit Size (BS)
0 (IN) 20
Tension (TENS) (LBF)
0 5000
Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10
Delta−T Comp / RA − P & S (DTRP)
40 (US/F) 240
2800
2825


2850
2875


2900
2925


2950
2975
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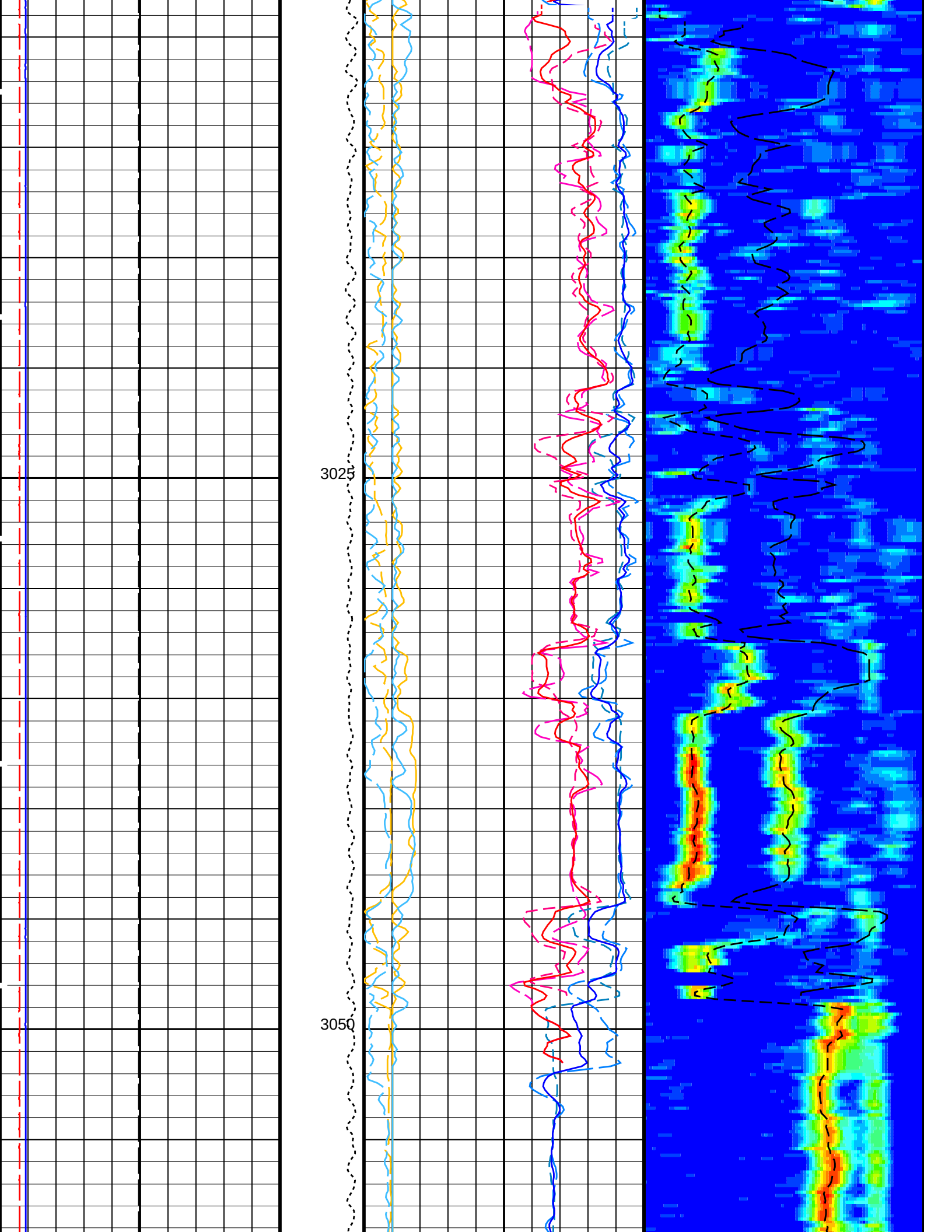
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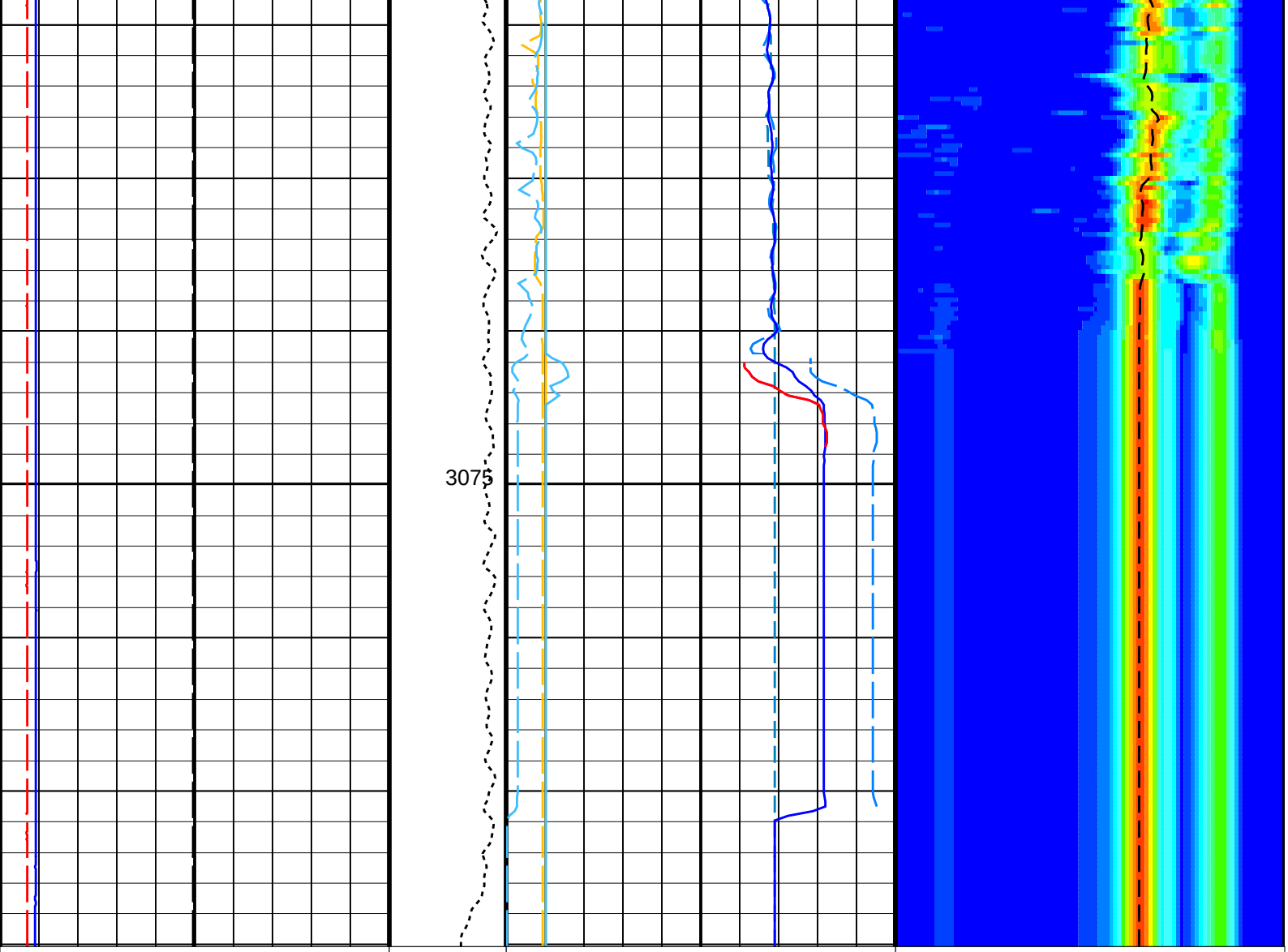


Bit Size (BS)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Tension (TENS) (LBF)
0 5000

Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10

Peak Coherence / TA − P & S Comp (CHTP)
0 (−−−−) 10

Peak Coherence / RA − P & S Shear (CHRS)
−1 (−−−−) 9

Delta−T Comp / RA − P & S (DTRP)
440 (US/F) 40

Delta−T Comp / TA − P & S (DTTP)
440 (US/F) 40

Delta−T Comp − P & S (DT4P)
440 (US/F) 40

Delta−T Shear / RA − P & S (DTRS)
440 (US/F) 40

Delta−T Shear / TA − P & S (DTTS)
440 (US/F) 40

Delta−T Shear − P & S (DT4S)
440 (US/F) 40

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

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

Min Amplitude Max

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

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	220	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	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	0	
RSMN	Label Shear/Compressional Minimum Ratio − Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio − Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM4	DSST Sonic Acquisition Mode 4 − Monopole Mode for P&S	EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status − Monopole P&S	255	
SBO4	STC Search Band Offset − Monopole P&S	500	US
SBR4	STC Baseline Removal − Monopole P&S	ON	
SBW4	STC Search Bandwidth − Monopole P&S	2000	US
SFC4	STC Formation Character − Monopole P&S	SELECTABLE	
SFM4	STC Filter − Monopole P&S	B3−20K	
SHLL	Label Slowness Lower Limit − Monopole P&S Shear	70	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	210	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	
	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: 29−Sep−2021 18:50

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_024LUP		PRODUCER	29−Sep−2021 18:46	3089.9 M	2793.5 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_027PUP	FN:33	PRODUCER	29−Sep−2021 18:50		
RTB	FMS_DSI_NGS_027PUP	FN:34	PRODUCER	29−Sep−2021 18:50		

Schlumberger

First Pass

MAXIS Field Log

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

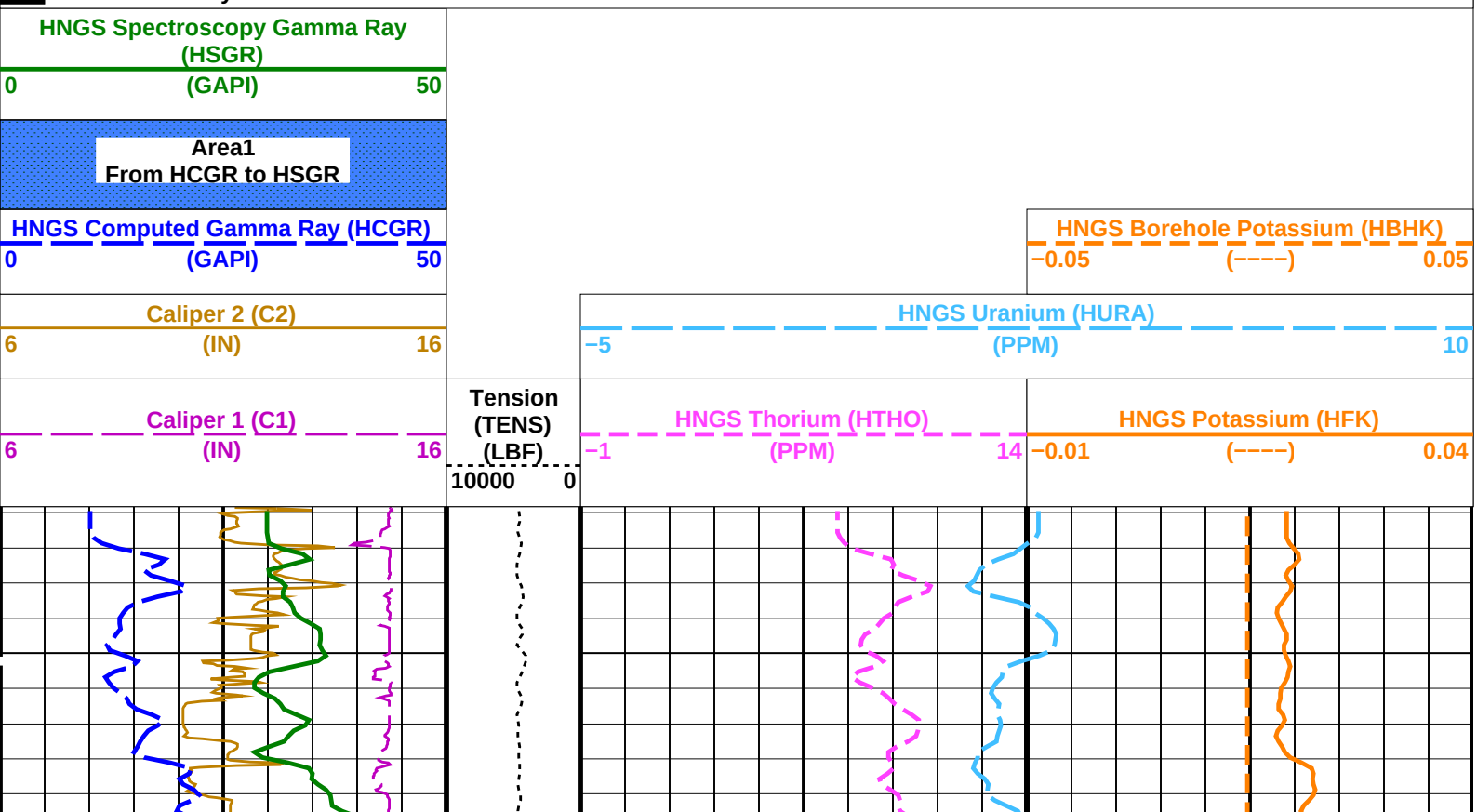
DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M

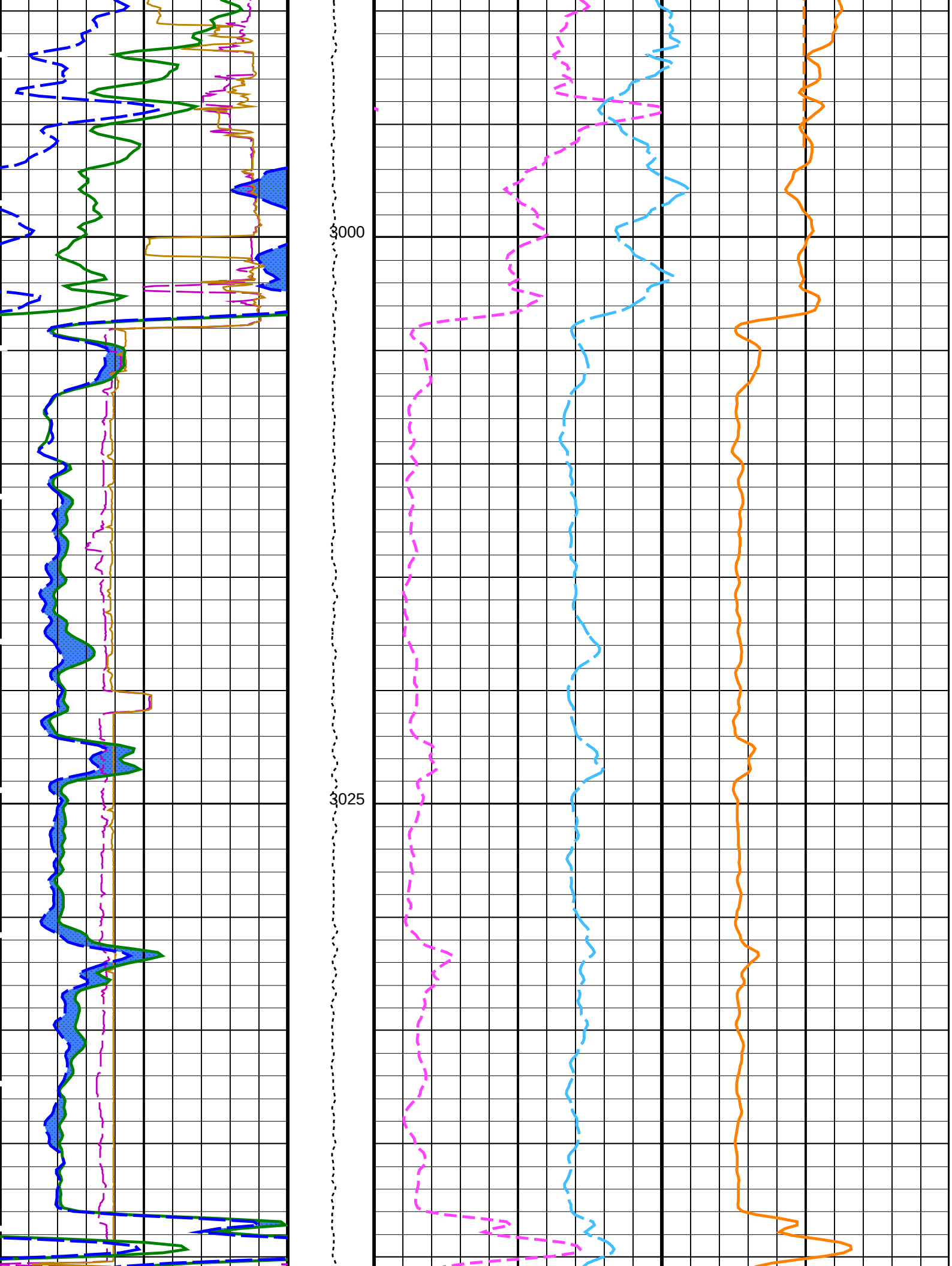
OP System Version: 19C0−187

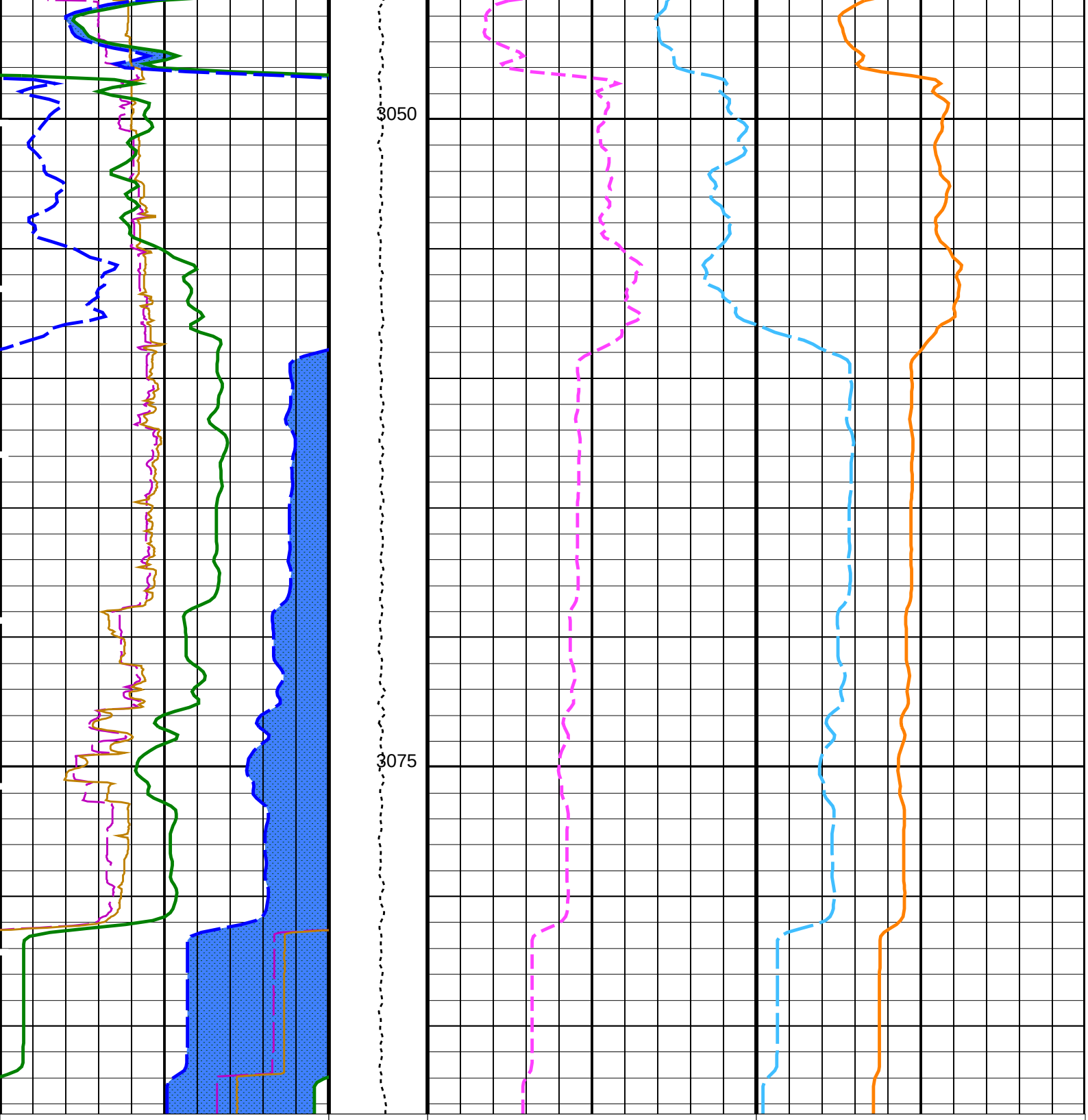
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S




3000
3025



Caliper 1 (C1)
6 (IN) 16

Caliper 2 (C2)
6 (IN) 16

HNGS Computed Gamma Ray (HCGR)
0 (GAPI) 50

Area1
From HCGR to HSGR

HNGS Spectroscopy Gamma Ray (HSGR)

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

HNGS Uranium (HURA)
−5 (PPM) 10

HNGS Potassium (HFK)
−0.01 (----) 0.04

HNGS Borehole Potassium (HBHK)
−0.05 (----) 0.05

0	(GAPI)	50

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	C1	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	−0.0031561	
HALF	HNGS Alpha Filter Length	60	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	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.943296	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.973167	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 29−Sep−2021 18:52

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187

HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

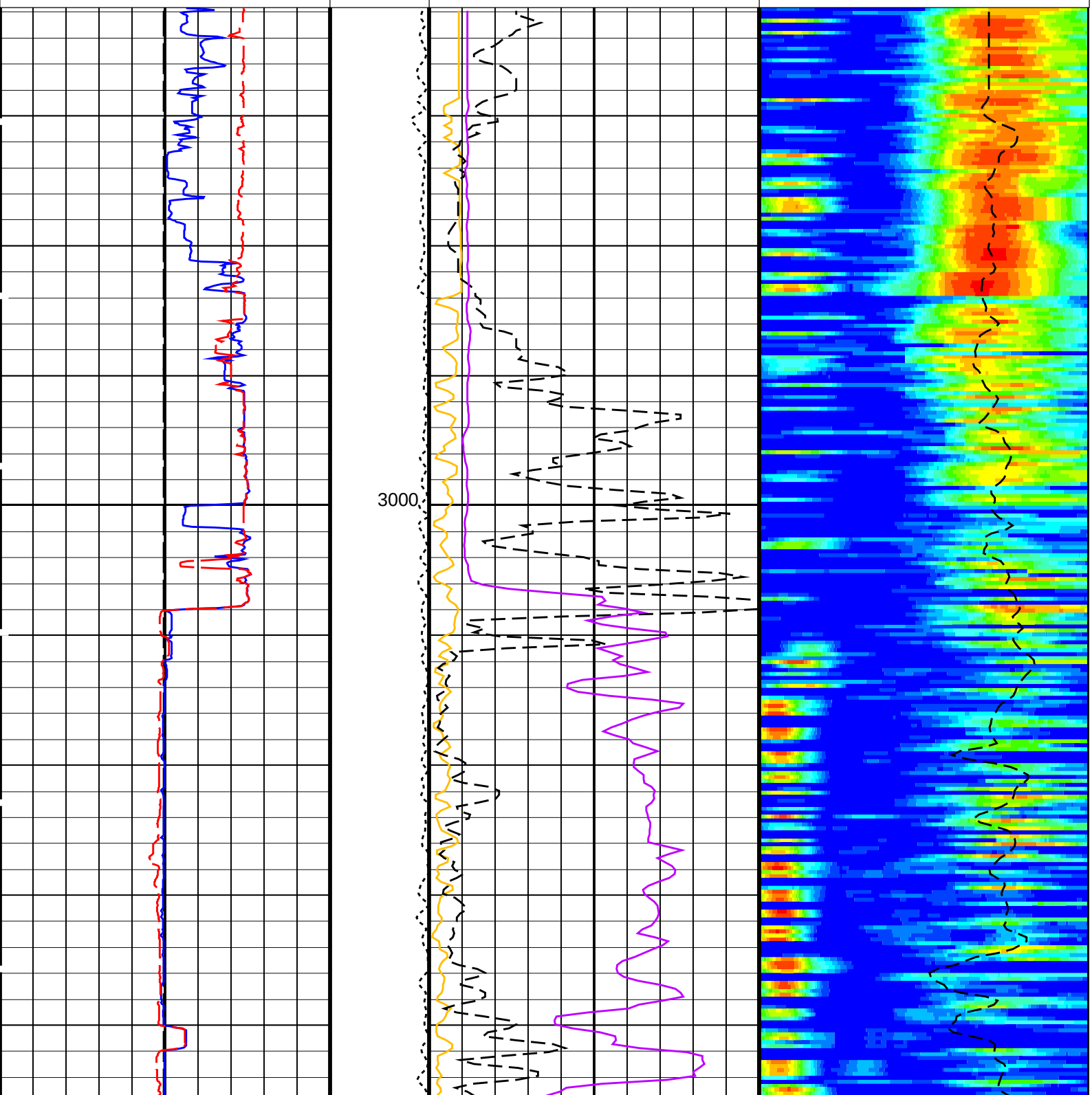
Time Mark Every 60 S

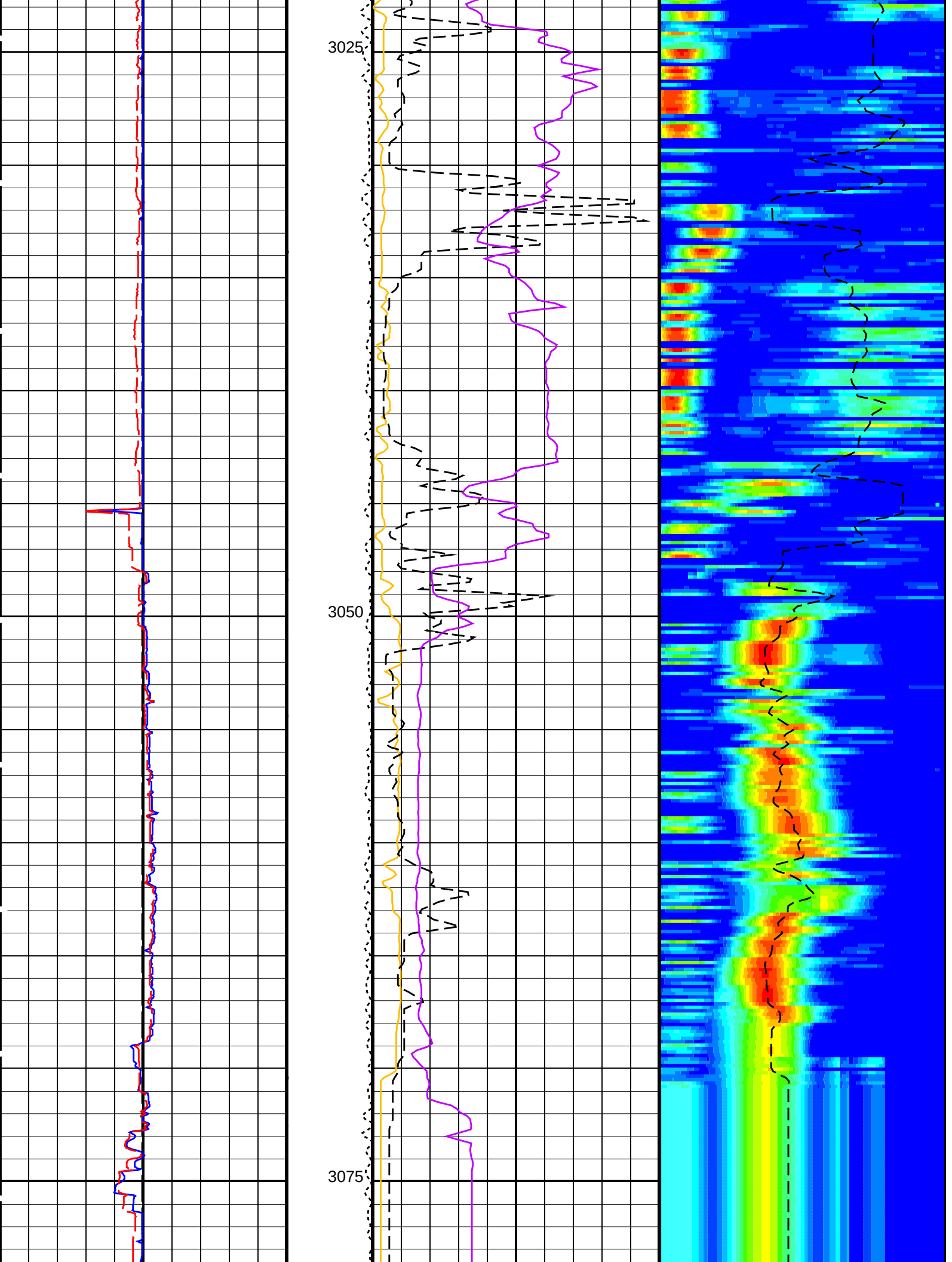
Caliper 1 (C1) 0 (IN) 20		Sonic Velocity (SVEL) 1000 (M/S) 6000
Caliper 2 (C2) 0 (IN) 20		SAM1 Waveform Gain (WFG1) 0 (−−−−) 1000
Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA − Lower Dipole (CHR1) 0 (−−−−) 10

Min Amplitude Max

Rec.Array L.Dipole Slow Proj. CVDL (SPR1) 75 (US/F) 1200

Delta−T Shear / RA − Lower Dipole (DT1R) 75 (US/F) 1200

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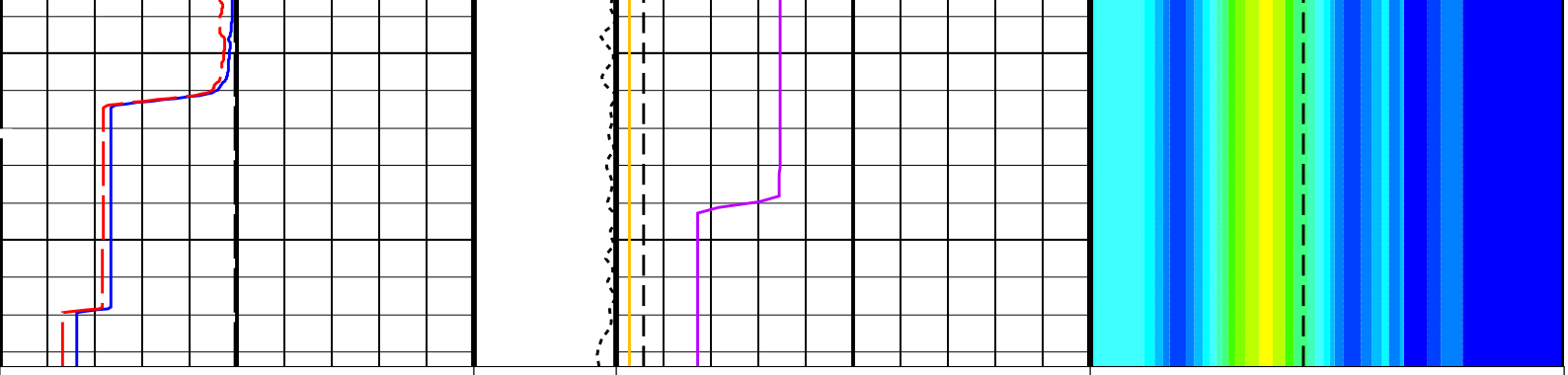


Parameters

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	350	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1050	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: 29-Sep-2021 18:52

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29-Sep-2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29-Sep-2021 18:52		
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29-Sep-2021 18:52		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29-Sep-2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

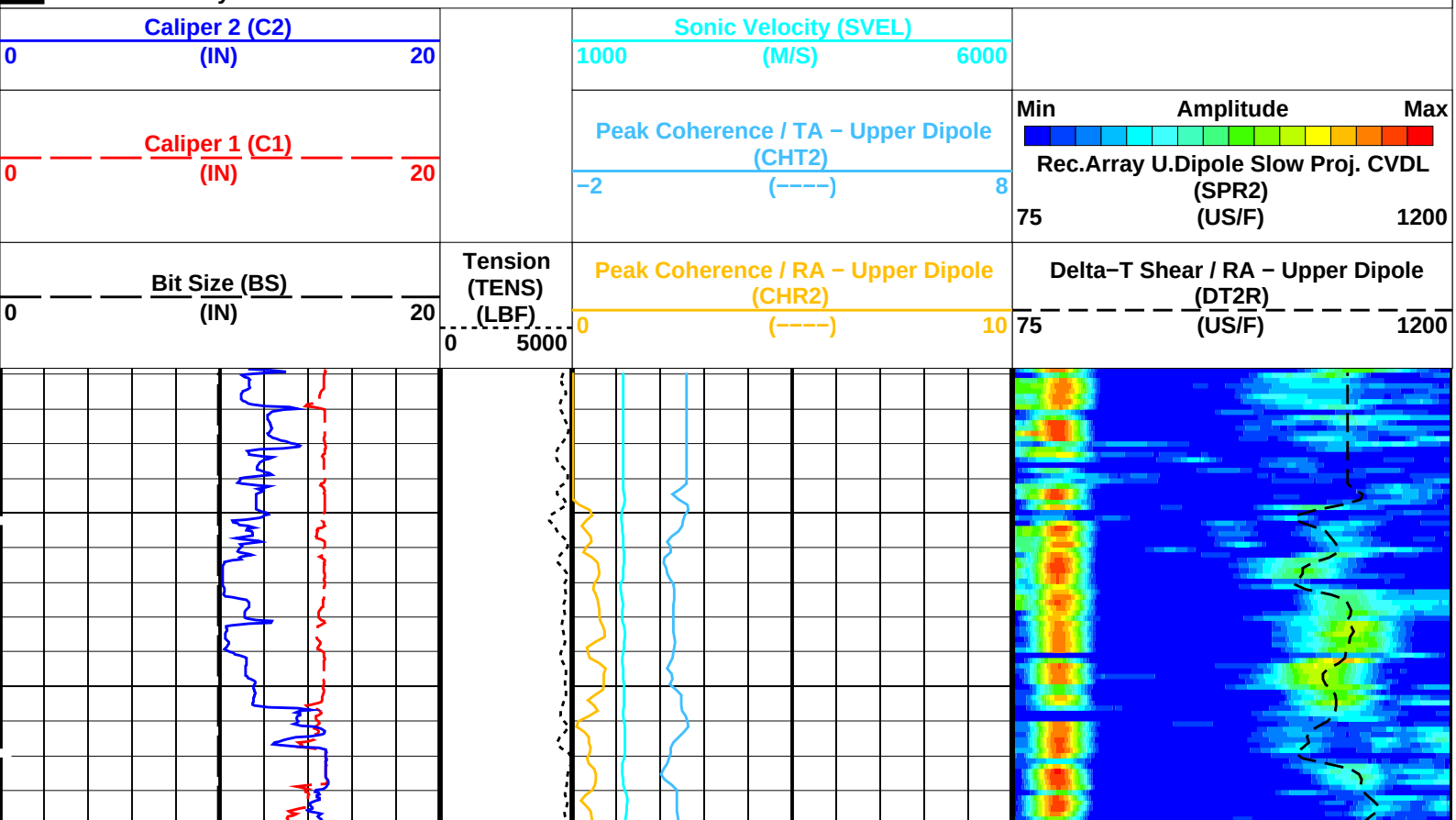
DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29-Sep-2021 18:52	3088.4 M	2980.8 M
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29-Sep-2021 18:52	3088.4 M	2980.8 M

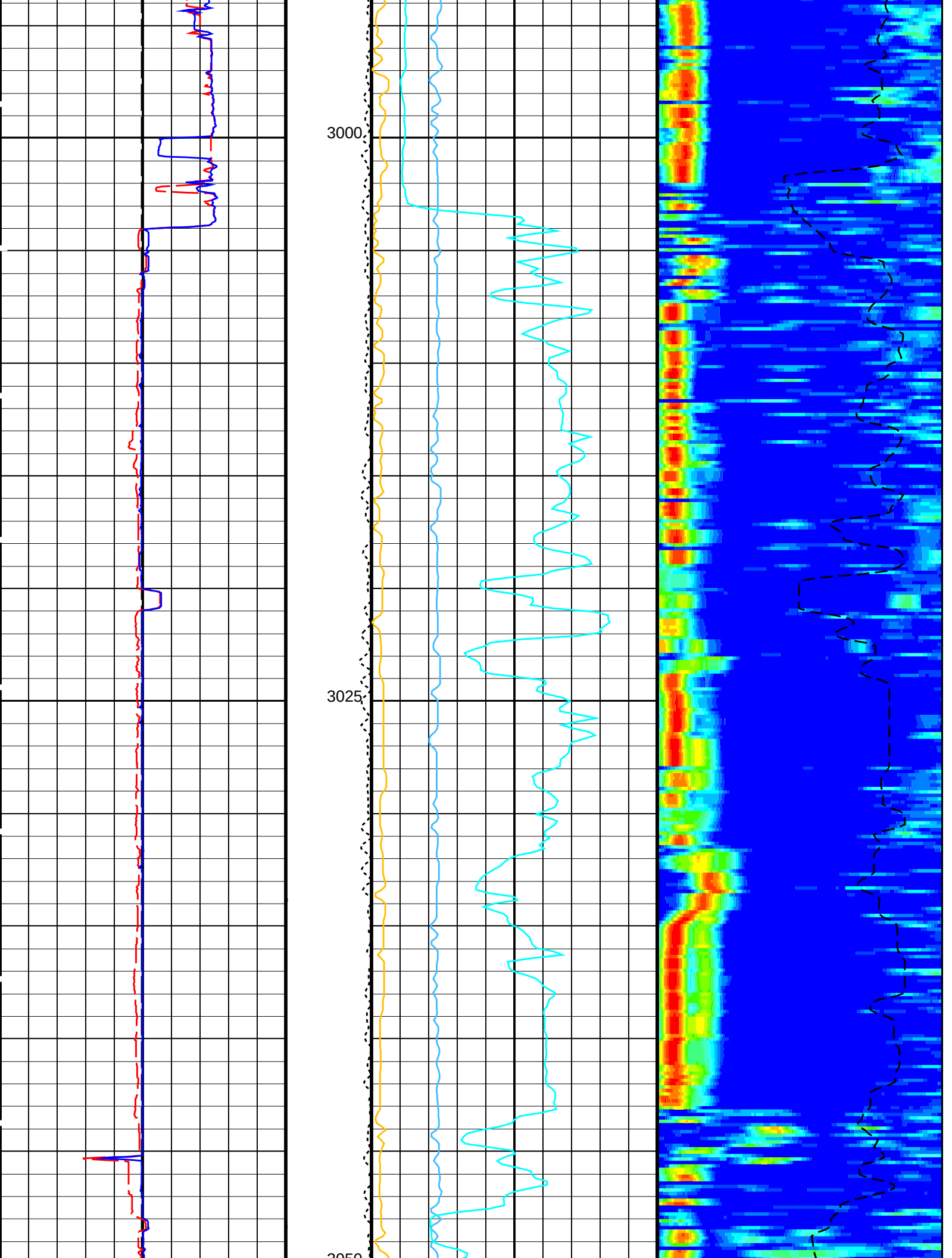
OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

PIP SUMMARY

Time Mark Every 60 S

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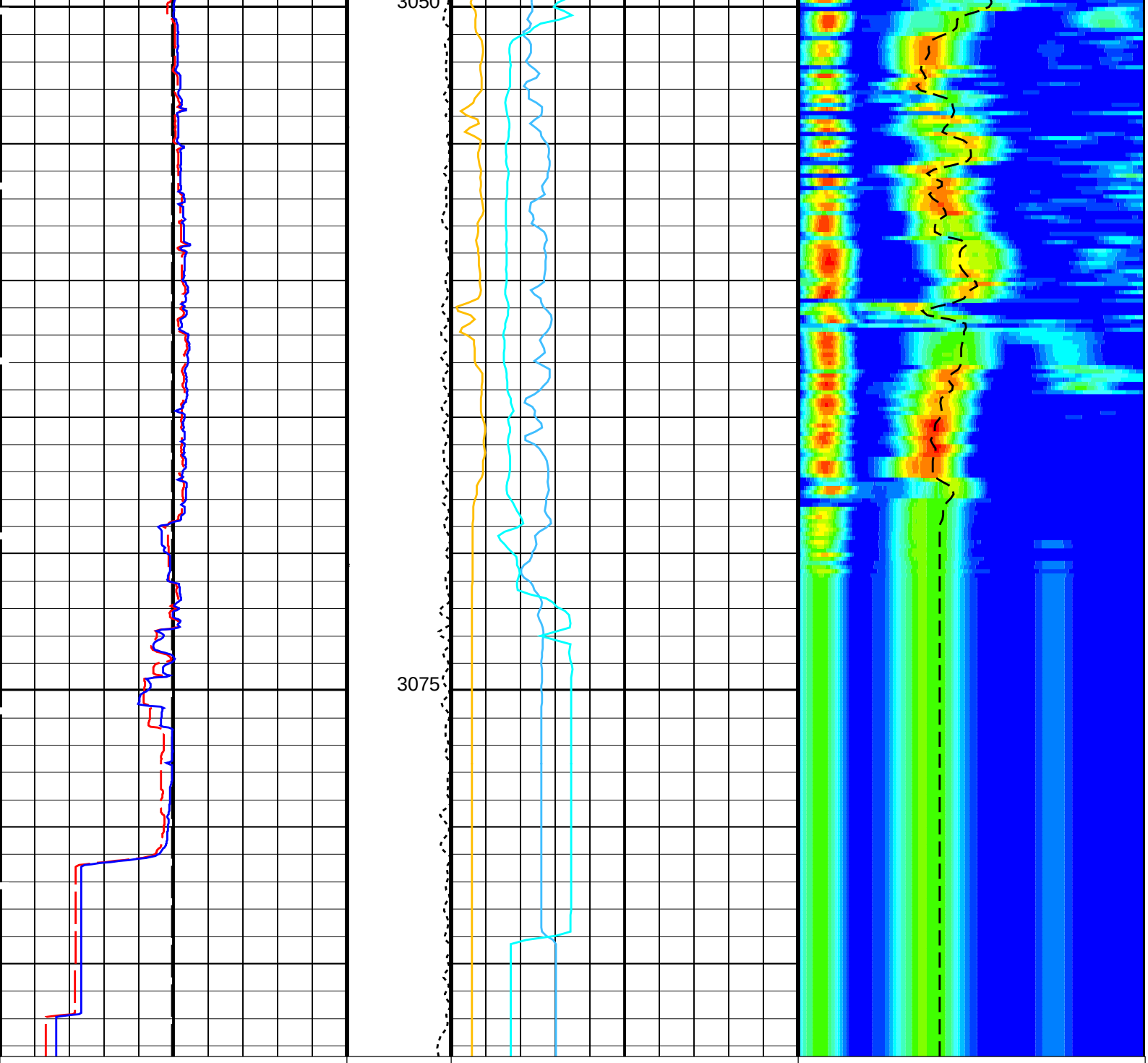


Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA − Upper Dipole (CHR2) 0 (−−−−) 10	Delta−T Shear / RA − Upper Dipole (DT2R) 75 (US/F) 1200
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA − Upper Dipole (CHT2) −2 (−−−−) 8	Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2) 75 (US/F) 1200
Caliper 2 (C2) 0 (IN) 20		Sonic Velocity (SVEL) 1000 (M/S) 6000	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
	DSST−B: Dipole Shear Imager − B	
DDF2	Digitizing Delay 2	0 US

DDL2	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	350	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1050	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	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 29−Sep−2021 18:52**

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52		

Company: International Ocean Discovery Program **Well: Expedition 396, Site U1574A**

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

Delta−T Stoneley (DTST)
440 (US/F) 40

Delta−T Stoneley / TA (DT3T)
440 (US/F) 40

Caliper 2 (C2)
0 (IN) 20

Delta−T Stoneley / RA (DT3R)
440 (US/F) 40

Min Amplitude Max

Caliper 1 (C1)
0 (IN) 20

Peak Coherence / TA − Stoneley (CHT3)
−2 (−−−−) 8

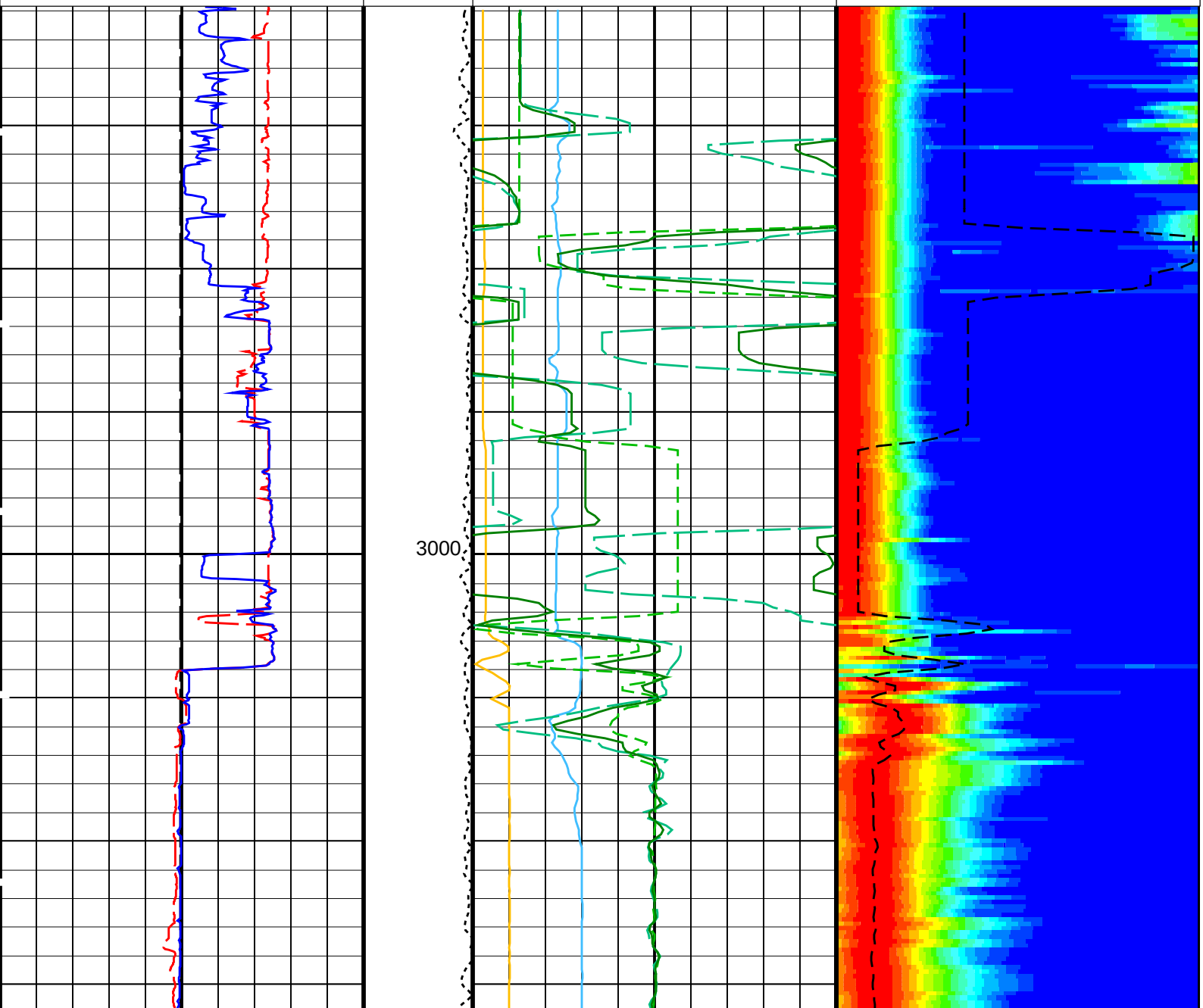
Rec.Array Stoneley Slow Proj. CVDL (SPR3)
180 (US/F) 780

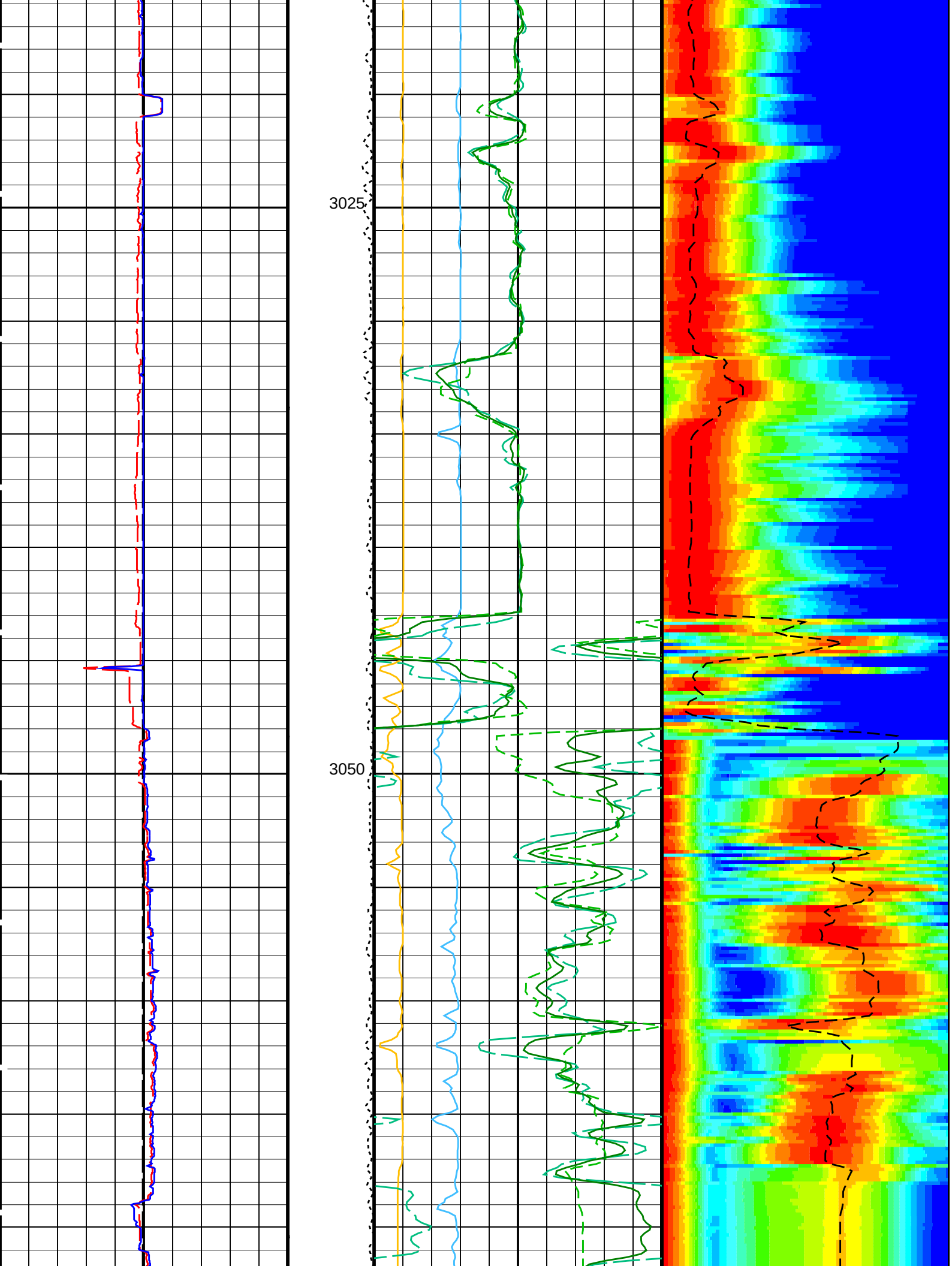
Bit Size (BS)
0 (IN) 20

Tension (TENS) (LBF)
0 5000

Peak Coherence / RA − Stoneley (CHR3)
0 (−−−−) 10

Delta−T Stoneley / RA (DT3R)
180 (US/F) 780

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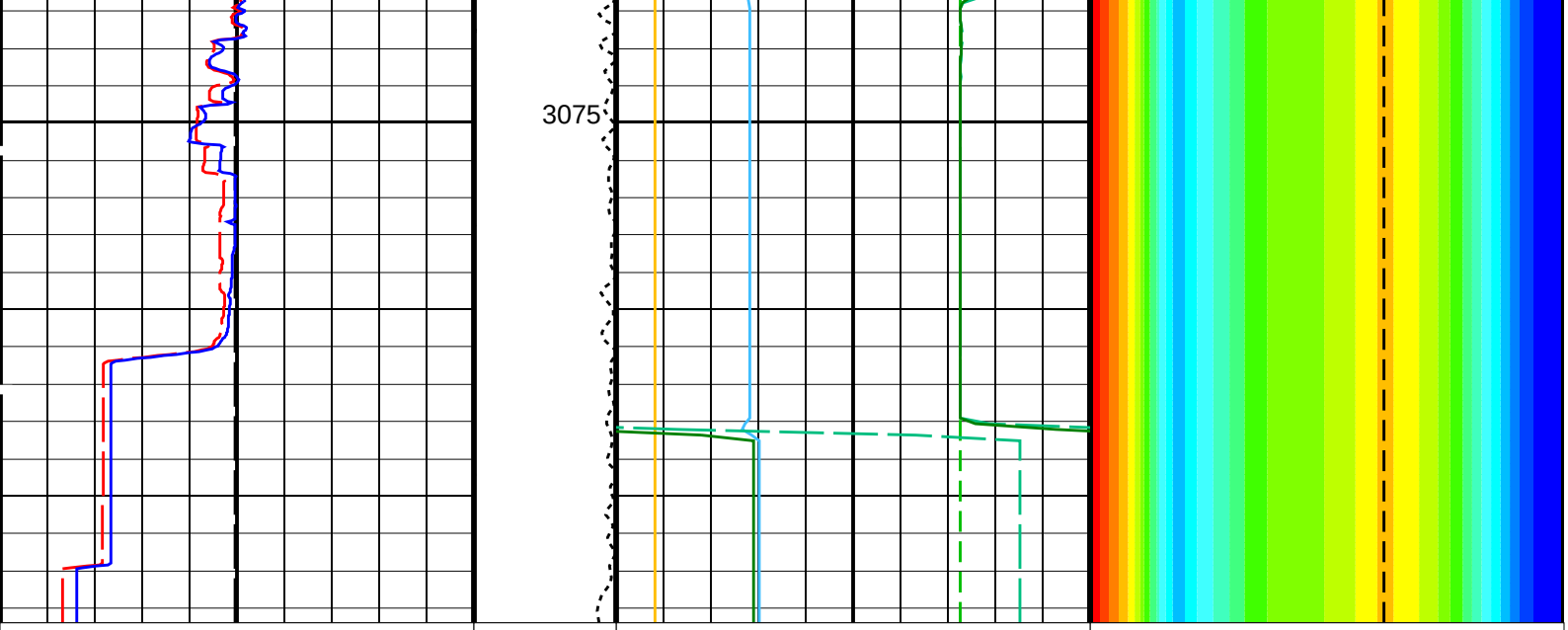


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Stoneley (CHR3)	Delta−T Stoneley / RA (DT3R)
0 (IN) 20	0 (LBF) 5000	0 (−−−−) 10	180 (US/F) 780
Caliper 1 (C1)		Peak Coherence / TA − Stoneley (CHT3)	Min Amplitude Max Rec.Array Stoneley Slow Proj. CVDL (SPR3)
0 (IN) 20		−2 (−−−−) 8	180 (US/F) 780
Caliper 2 (C2)		Delta−T Stoneley / RA (DT3R)	
0 (IN) 20		440 (US/F) 40	
		Delta−T Stoneley / TA (DT3T)	
		440 (US/F) 40	
		Delta−T Stoneley (DTST)	
		440 (US/F) 40	

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	ODD	
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	210	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: 29−Sep−2021 18:52

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52		

Company: International Ocean Discovery Program Well: Expedition 396, Site U1574A

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M

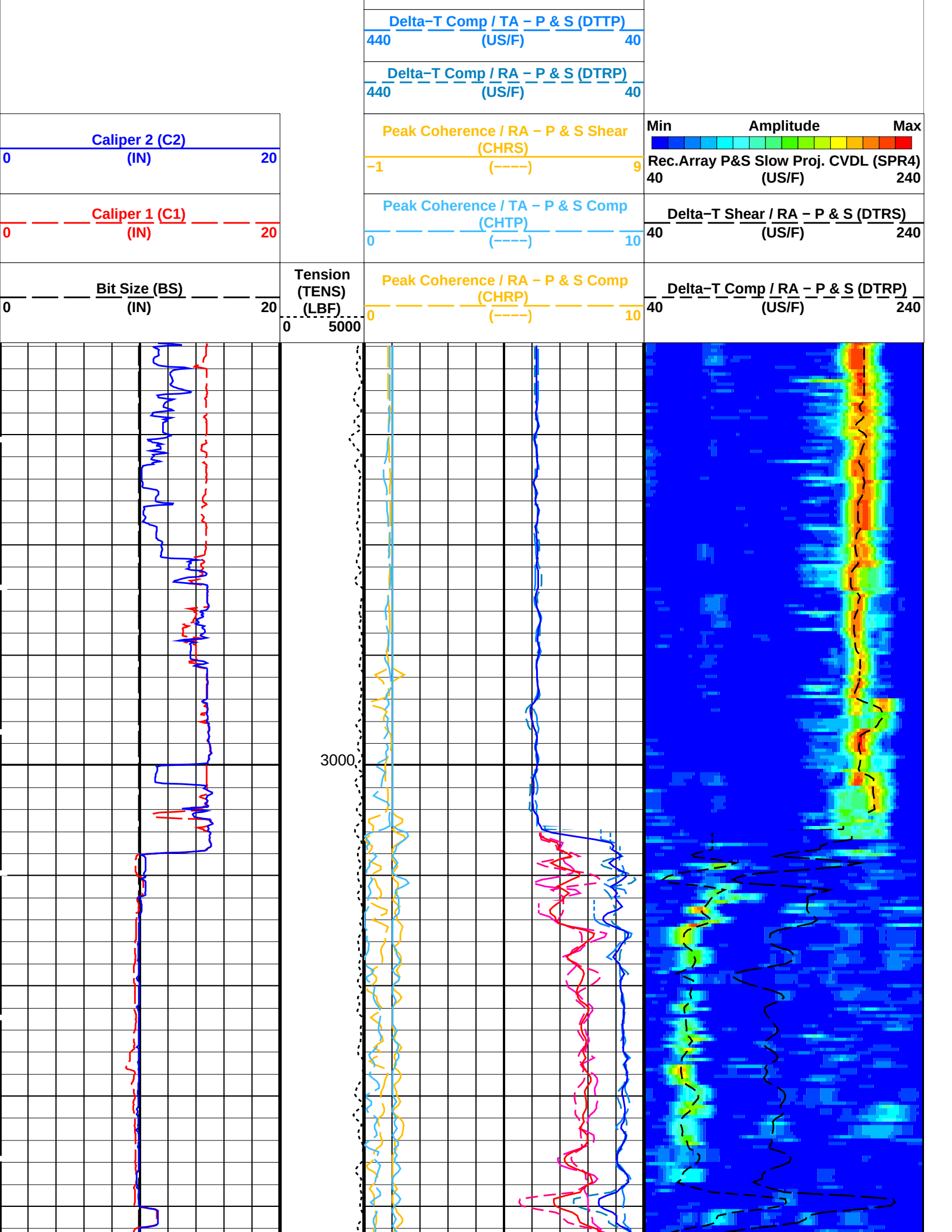
OP System Version: 19C0−187

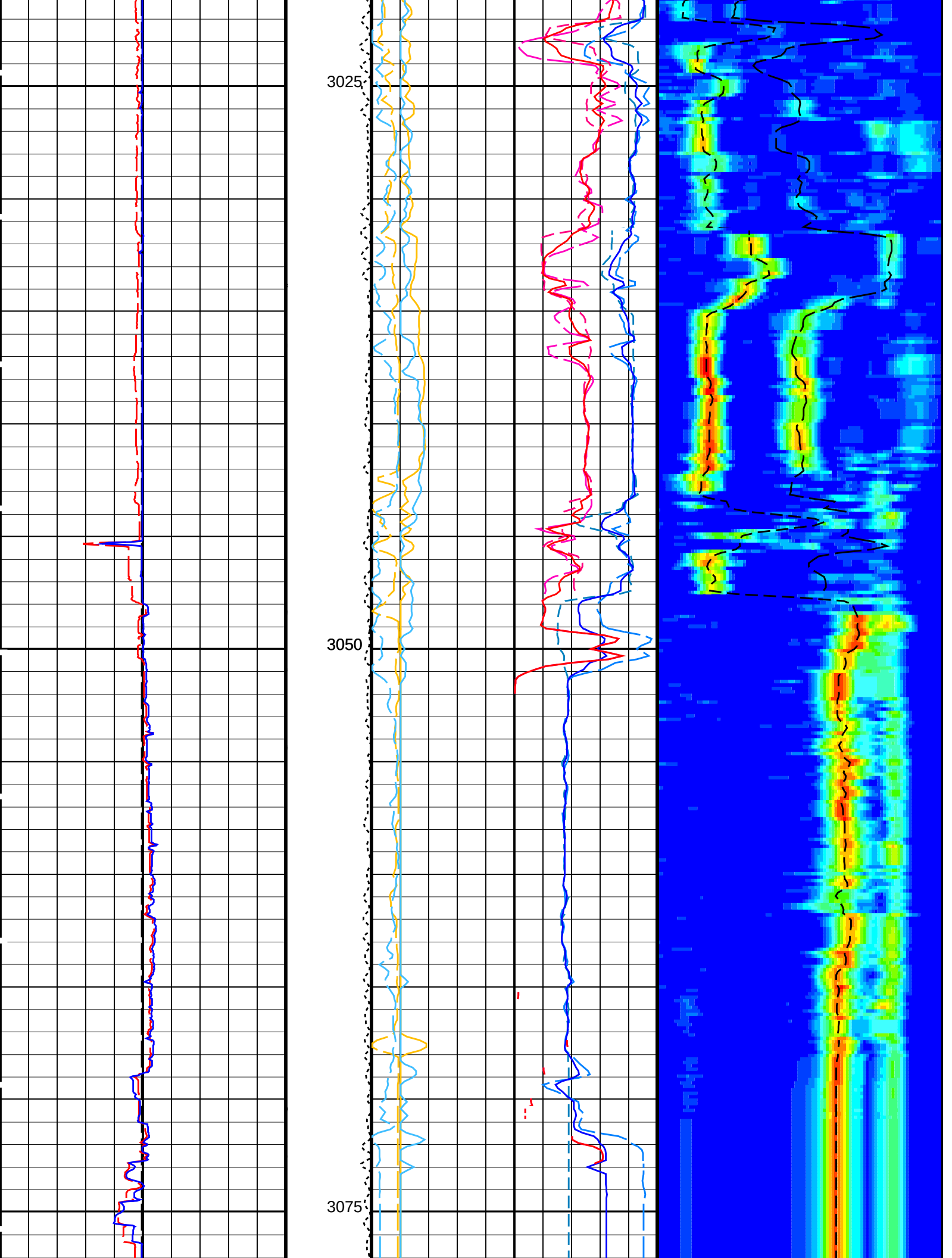
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

Peak Coherence / TA − P & S Shear (CHTS)		
−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
Caliper 2 (C2)
0 (IN) 20
Peak Coherence / RA − P & S Shear (CHRS)
−1 (−−−−) 9
Min Amplitude Max
Rec.Array P&S Slow Proj. CVDL (SPR4)
40 (US/F) 240
Caliper 1 (C1)
0 (IN) 20
Peak Coherence / TA − P & S Comp (CHTP)
0 (−−−−) 10
Delta−T Shear / RA − P & S (DTRS)
40 (US/F) 240
Bit Size (BS)
0 (IN) 20
Tension (TENS) (LBF)
0 5000
Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10
Delta−T Comp / RA − P & S (DTRP)
40 (US/F) 240
3000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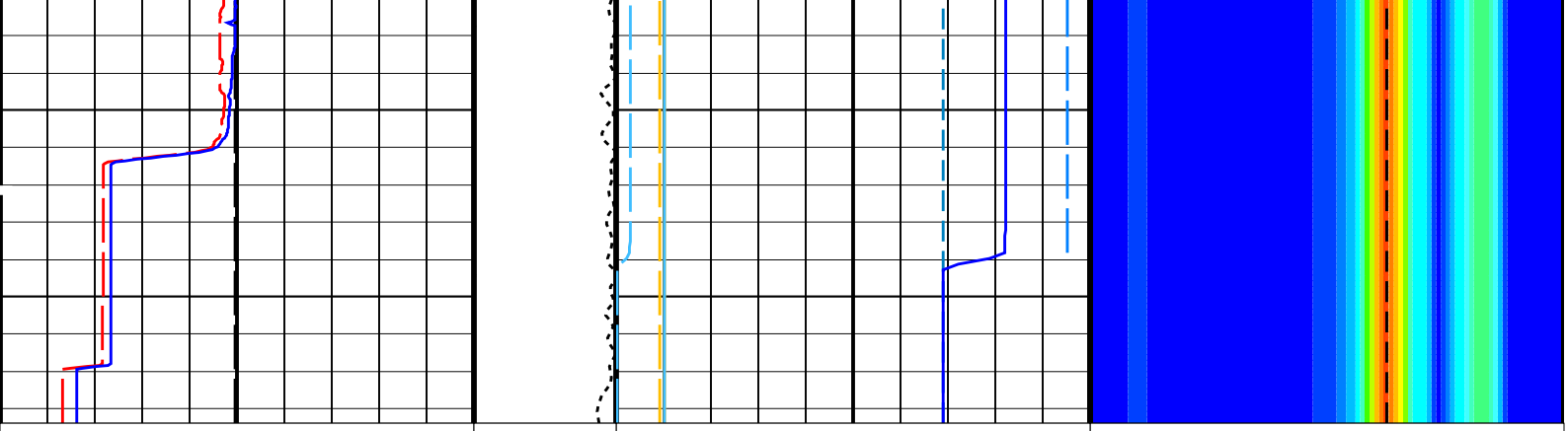


Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − P & S Comp (CHRP)	Delta−T Comp / RA − P & S (DTRP)
0 (IN) 20	0 (LBF) 5000	0 (−−−−) 10	40 (US/F) 240
Caliper 1 (C1)		**Peak Coherence / TA − P & S Comp (CHTP)**	**Delta−T Shear / RA − P & S (DTRS)**
0 (IN) 20		0 (−−−−) 10	40 (US/F) 240
Caliper 2 (C2)		**Peak Coherence / RA − P & S Shear (CHRS)**	Min Amplitude Max
0 (IN) 20		−1 (−−−−) 9	Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240
		Delta−T Comp / RA − P & S (DTRP) 440 (US/F) 40	
		Delta−T Comp / TA − P & S (DTTP) 440 (US/F) 40	
		Delta−T Comp − P & S (DT4P) 440 (US/F) 40	
		Delta−T Shear / RA − P & S (DTRS) 440 (US/F) 40	
		Delta−T Shear / TA − P & S (DTTS) 440 (US/F) 40	
		Delta−T Shear − P & S (DT4S) 440 (US/F) 40	
		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	220	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	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	

NWIX	Number Waveform Items X	0		
RSMN	Label Shear/Compressional Minimum Ratio − Monopole P&S	1.4		
RSMX	Label Shear/Compressional Maximum Ratio − Monopole P&S	2.12		
RX1G	Receiver 1 Geometry	294	IN	
RX2G	Receiver 2 Geometry	300	IN	
RX3G	Receiver 3 Geometry	306	IN	
RX4G	Receiver 4 Geometry	312	IN	
RX5G	Receiver 5 Geometry	318	IN	
RX6G	Receiver 6 Geometry	324	IN	
RX7G	Receiver 7 Geometry	330	IN	
RX8G	Receiver 8 Geometry	336	IN	
SAM4	DSST Sonic Acquisition Mode 4 − Monopole Mode for P&S	EVEN		
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF		
SAS4	STC Sonic Array Status − Monopole P&S	255		
SBO4	STC Search Band Offset − Monopole P&S	500	US	
SBR4	STC Baseline Removal − Monopole P&S	ON		
SBW4	STC Search Bandwidth − Monopole P&S	2000	US	
SFC4	STC Formation Character − Monopole P&S	SELECTABLE		
SFM4	STC Filter − Monopole P&S	B3−20K		
SHLL	Label Slowness Lower Limit − Monopole P&S Shear	70	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	210	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		
	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: 29−Sep−2021 18:52**

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52		

Company: International Ocean Discovery Program **Well: Expedition 396, Site U1574A**

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52	3088.4 M	2980.8 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187

DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

Tension (TENS) (LBF) 0 5000

Relative Bearing (RB_MEST) −40 (DEG) 360

Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360

Hole Azimuth (HAZIM) −40 (DEG) 360

Deviation (DEVIM) 0 (DEG) 10

Caliper 2 (C2) 0 (IN) 20

Caliper 1 (C1) 0 (IN) 20

Bit Size (BS) 0 (IN) 20

EMEX Intensity (EI) 0 (AMPS) 10

EMEX Voltage (EV) 0 (V) 50

Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20

Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30

Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40

Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (−−−−) 50

Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60

Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70

Data Button 2 − Varies with RBS (U−MEST_RB2) −20 (−−−−) 80

Data Button 1 − Varies with RBS (U−MEST_RB1) −10 (−−−−) 90

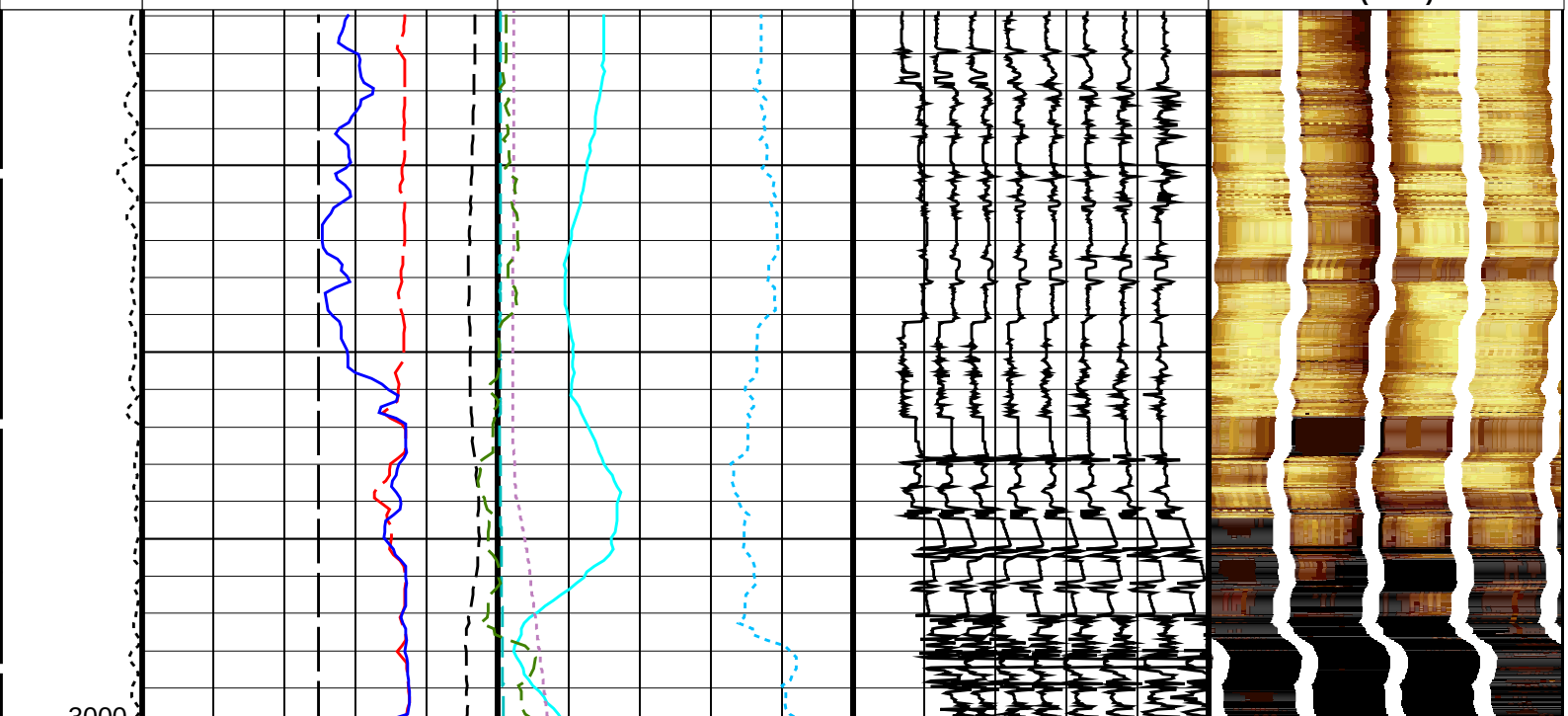
2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304

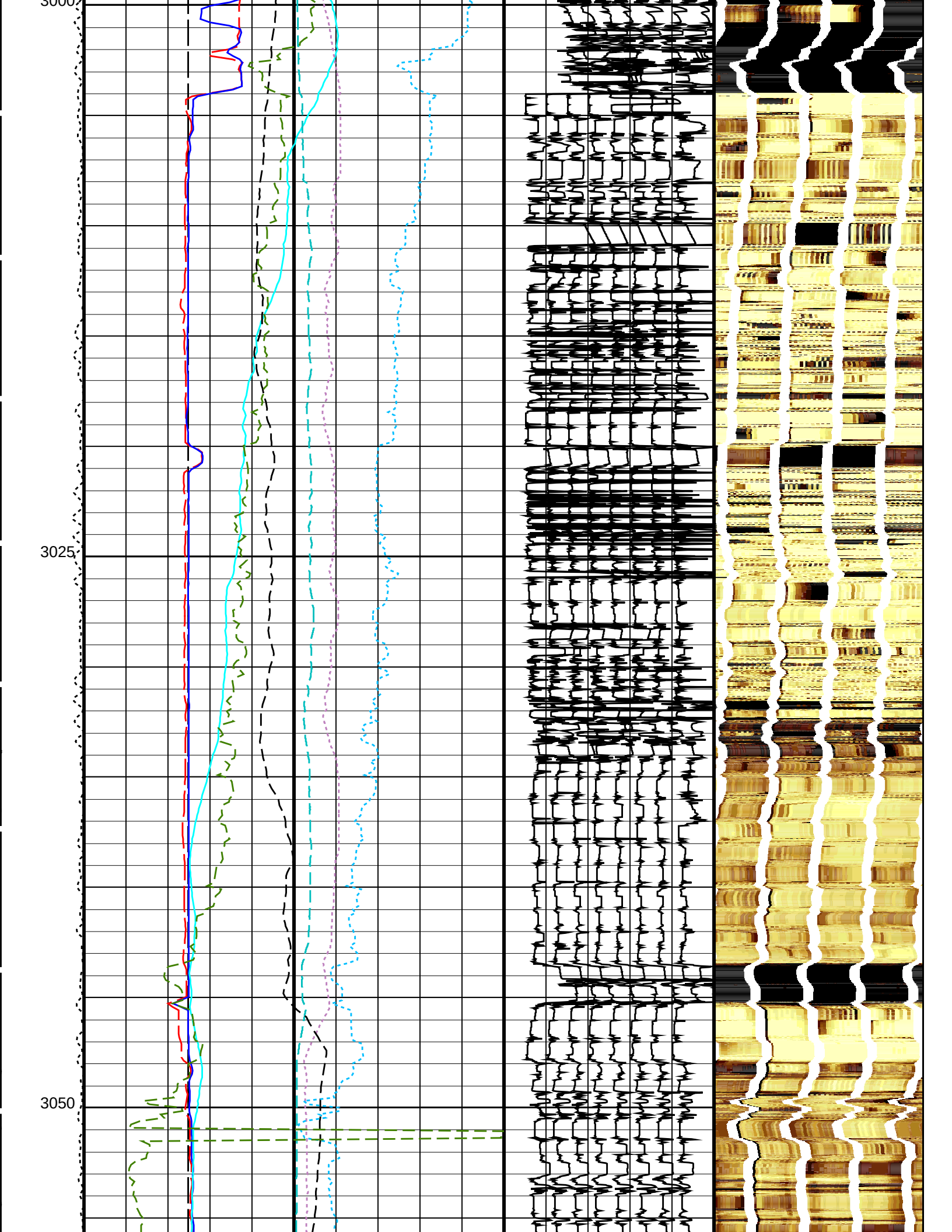
MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)

MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)

MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)

MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)




3000
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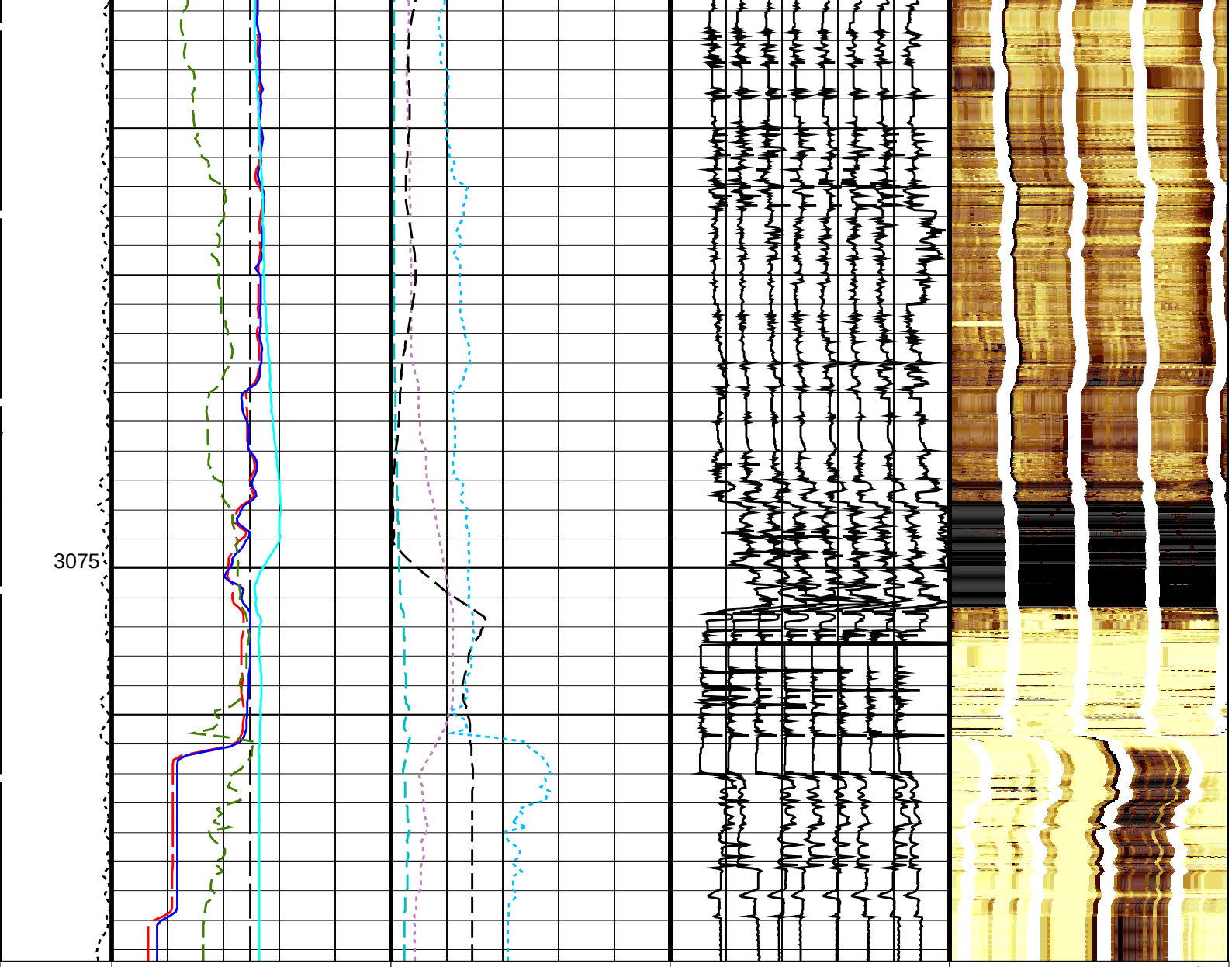


Tension (TENS) (LBF) 0 5000	Bit Size (BS) 0 (IN) 20	EMEX Voltage (EV) 0 (V) 50	Data Button 1 − Varies with RBS (U−MEST_RB1) −10 (−−−−) 90	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)
	Caliper 1 (C1) 0 (IN) 20	EMEX Intensity (EI) 0 (AMPS) 10	Data Button 2 − Varies with RBS (U−MEST_RB2) −20 (−−−−) 80	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADD (U−MEST_RESISTIVITY_PADD_DS) (−−−−)
	Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (−−−−) 50	

Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360	Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (−−−−) 40
Relative Bearing (RB_MEST) −40 (DEG) 360	Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (−−−−) 30
	Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (−−−−) 20

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MEST−B: Micro Electrical Scanner − B (Slim)		
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	1.6342	DEG
MLM	MEST Logging Mode	SCAN1800	
RBS	Resistivity Button Selection	AUTO	
XGAI	Gain	GAIN_2	
XOFF	Offset	OFFSET_0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 29−Sep−2021 18:52

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_022LUP	FN:25	PRODUCER	29−Sep−2021 16:34	3088.4 M	2980.9 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_028PUP	FN:35	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_028PUP	FN:36	PRODUCER	29−Sep−2021 18:52		

Schlumberger

Second Pass

MAXIS Field Log

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M

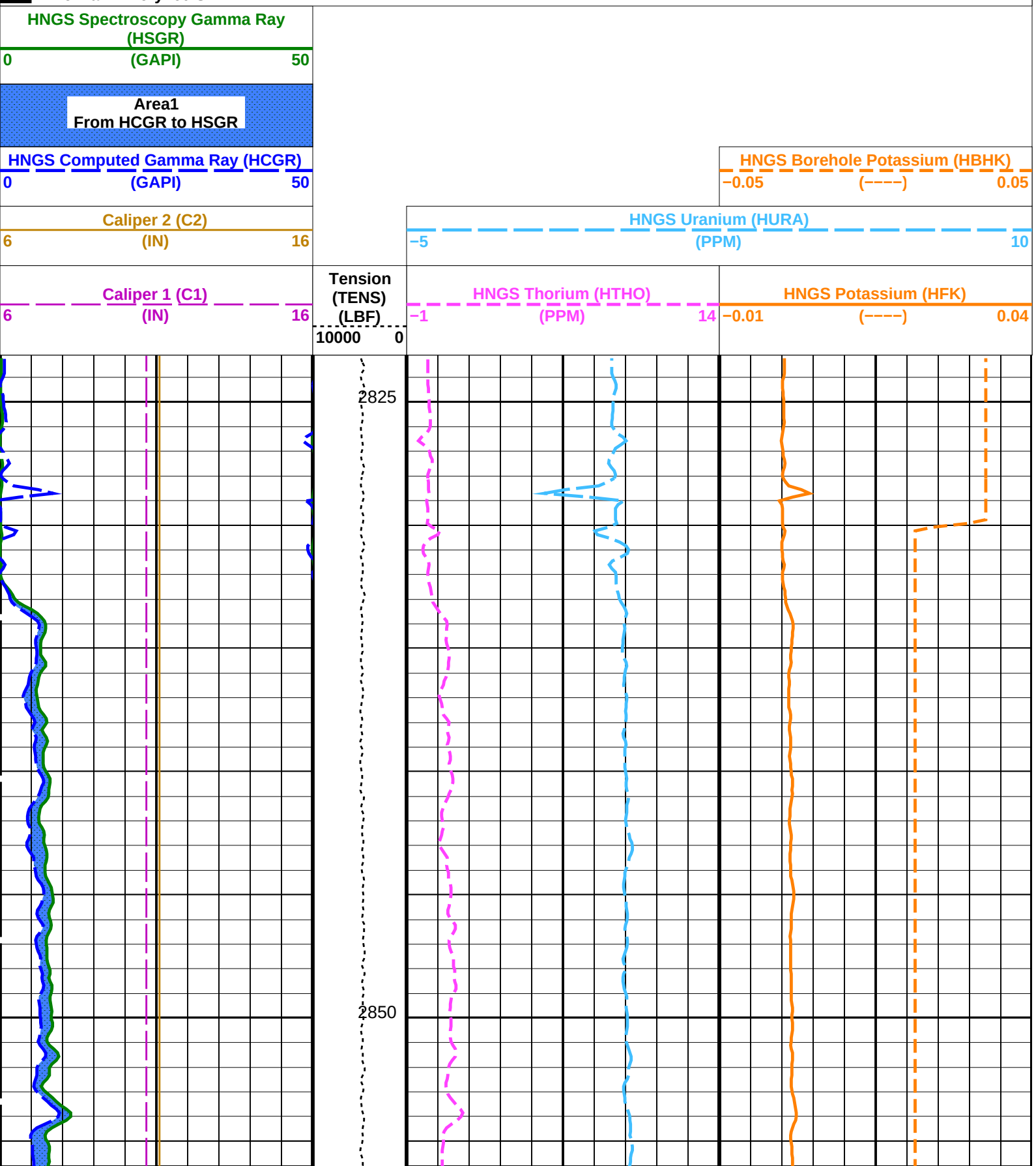
RTB | FMS_DSI_NGS_029PUP | FN:38 | PRODUCER | 29-Sep-2021 18:52 | 3086.1 M | 2823.1 M

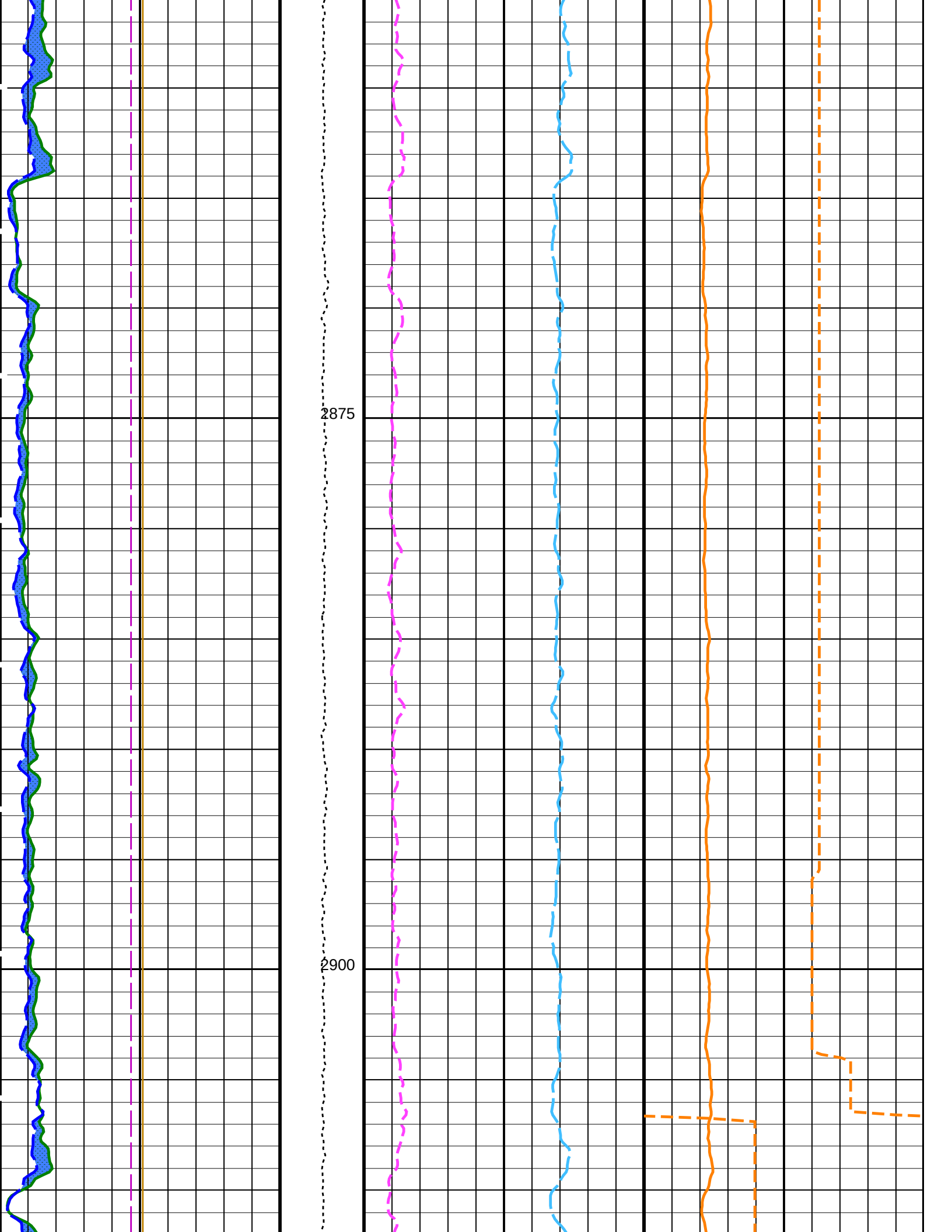
OP System Version: 19C0-187

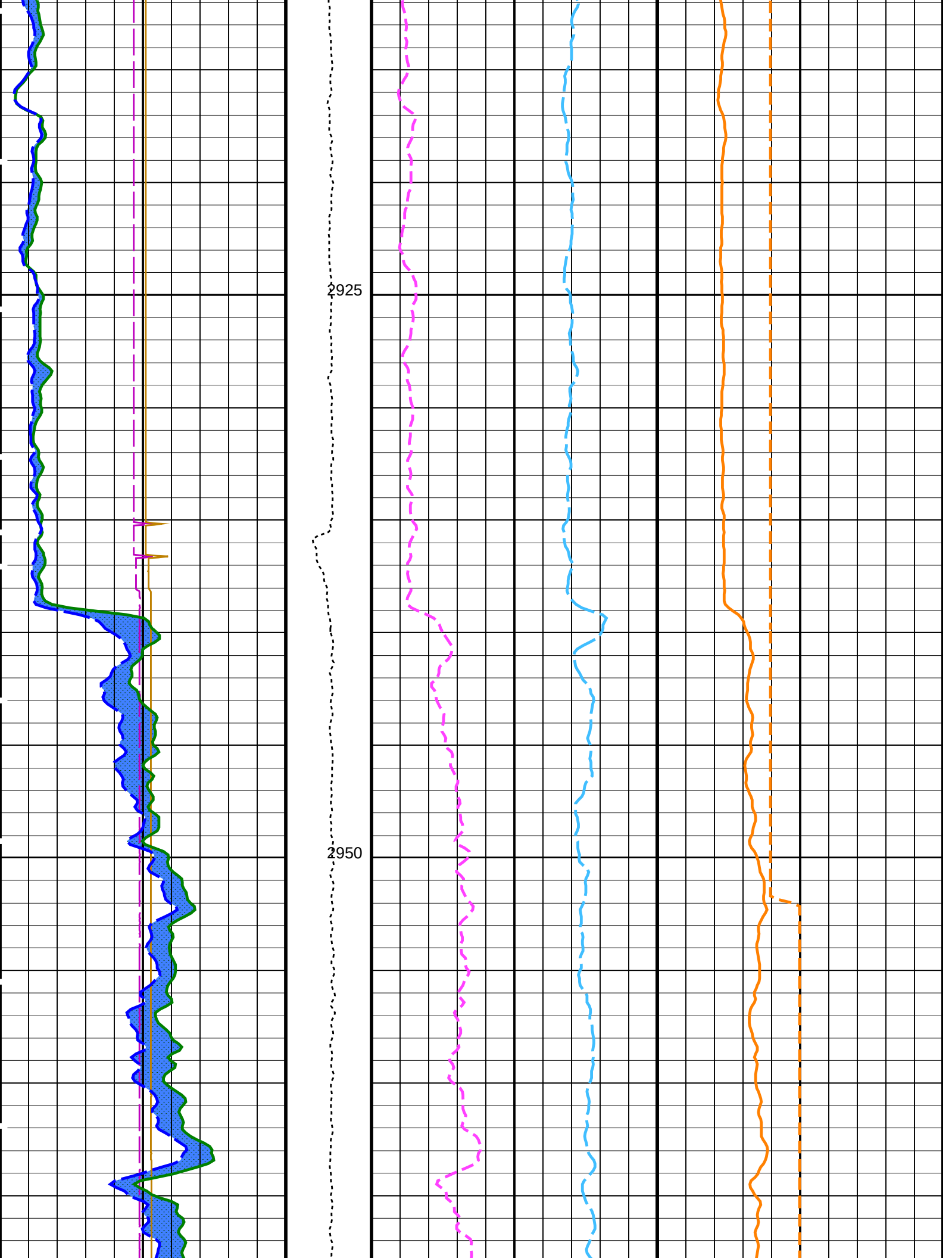
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

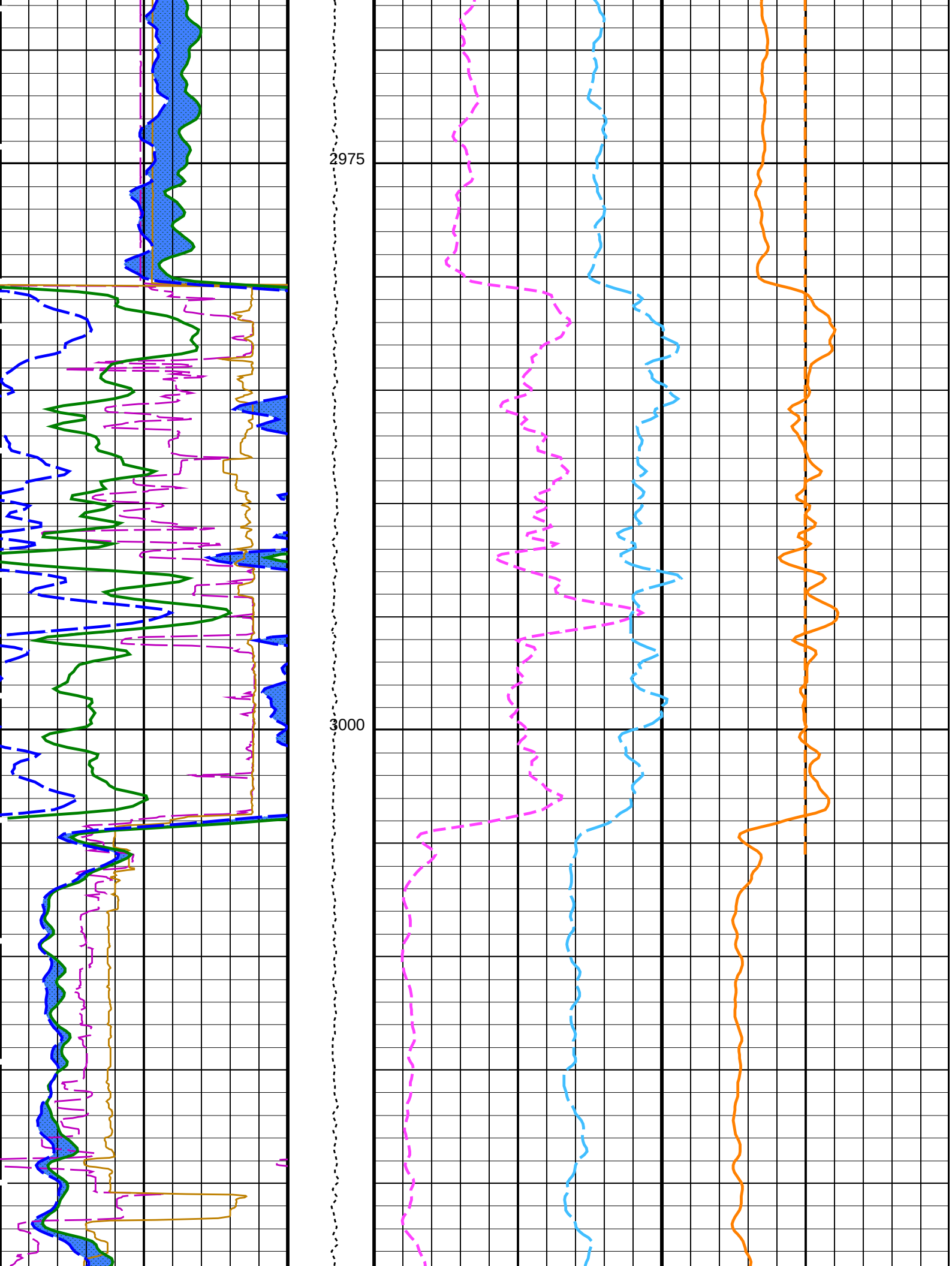
PIP SUMMARY

Time Mark Every 60 S




2875
2900


2925
2950


2975
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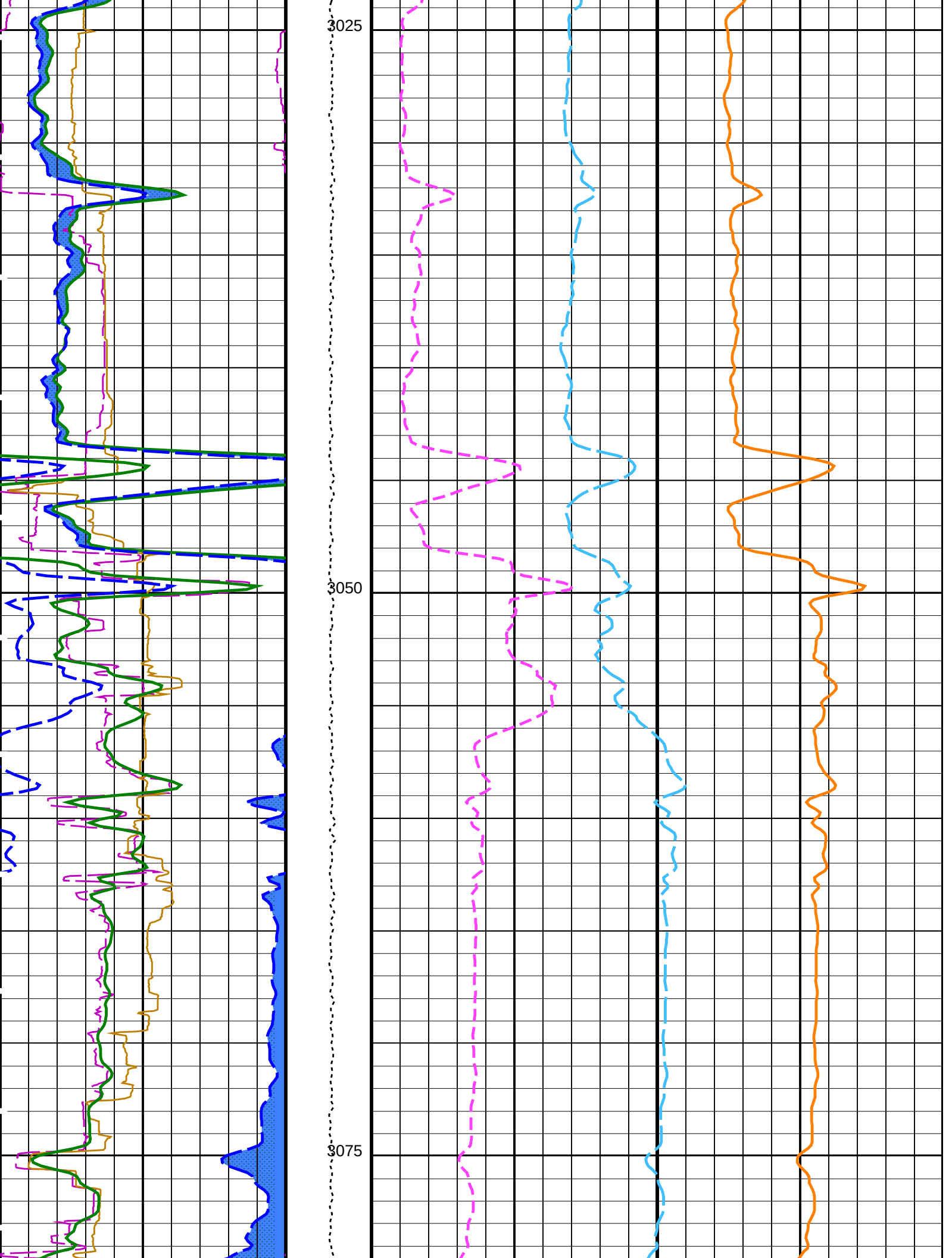
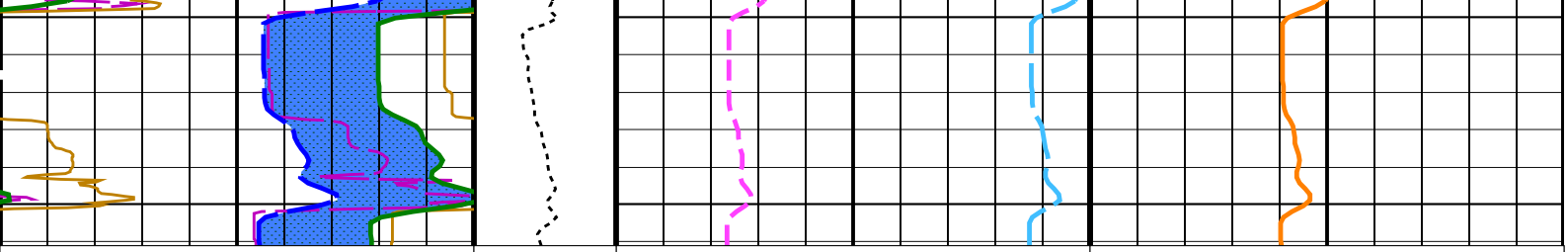

3025
3050
3075



Caliper 1 (C1)	Tension (TENS) (LBF)	HNGS Thorium (HTHO)	HNGS Potassium (HFK)
6 (IN) 16	10000 0	−1 (PPM) 14	−0.01 (----) 0.04

Caliper 2 (C2)	HNGS Uranium (HURA)
6 (IN) 16	−5 (PPM) 10

HNGS Computed Gamma Ray (HCGR)	HNGS Borehole Potassium (HBHK)
0 (GAPI) 50	−0.05 (----) 0.05

Area1
From HCGR to HSGR

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 50

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	C1	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	C1	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	−0.000866974	
HALF	HNGS Alpha Filter Length	60	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	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.974027	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.991987	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.26	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 29−Sep−2021 18:52

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

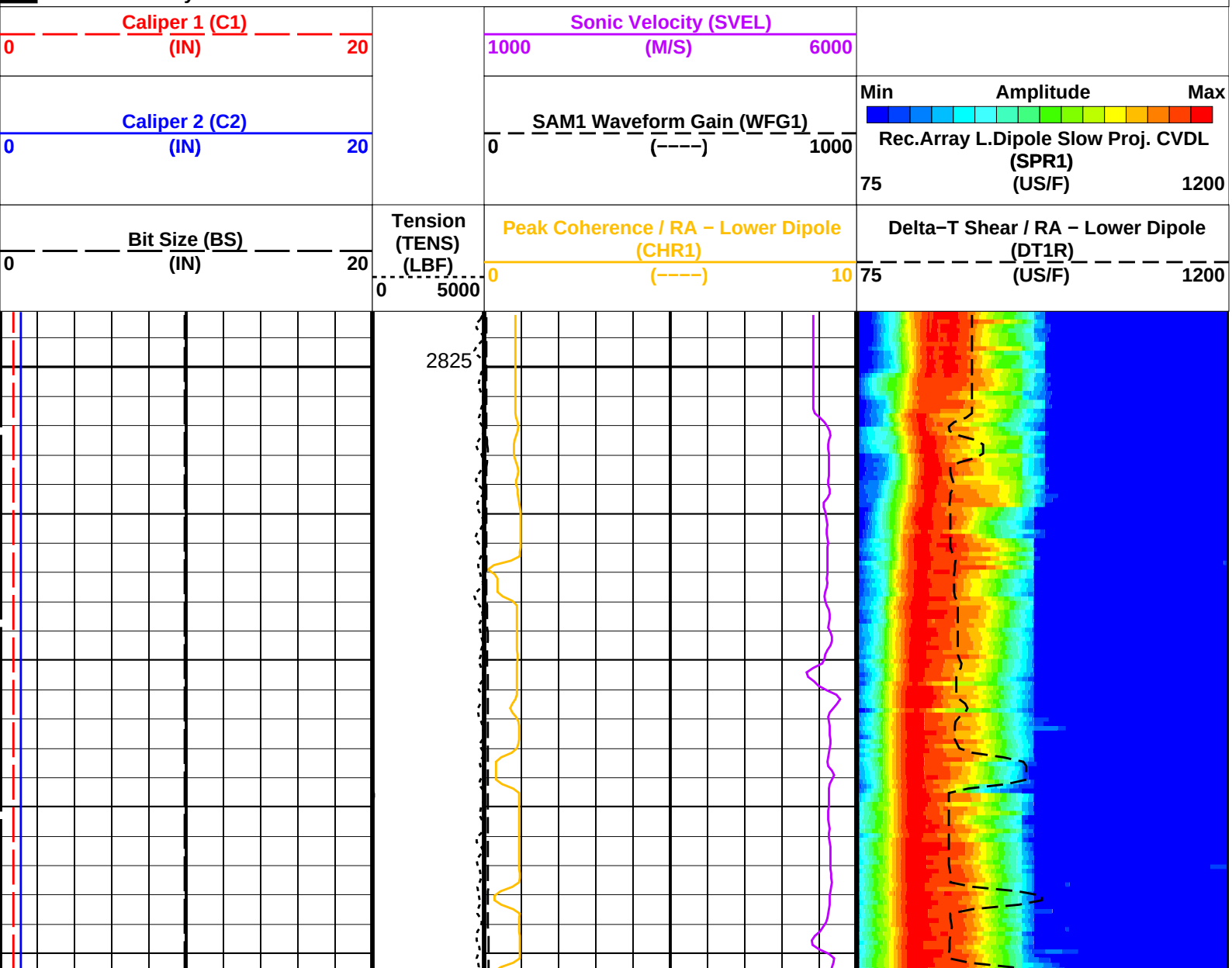
DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M

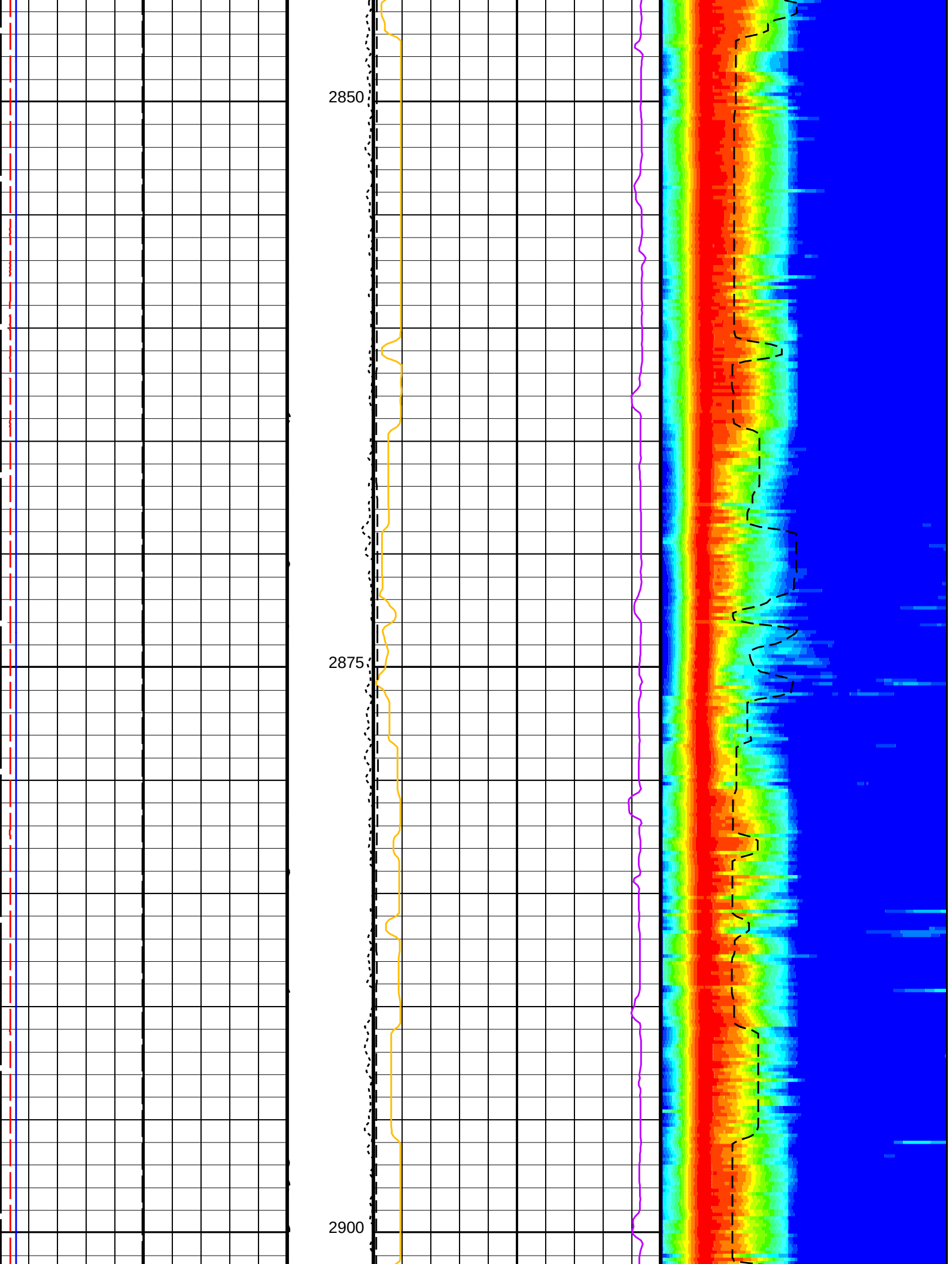
OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S




2850
2875
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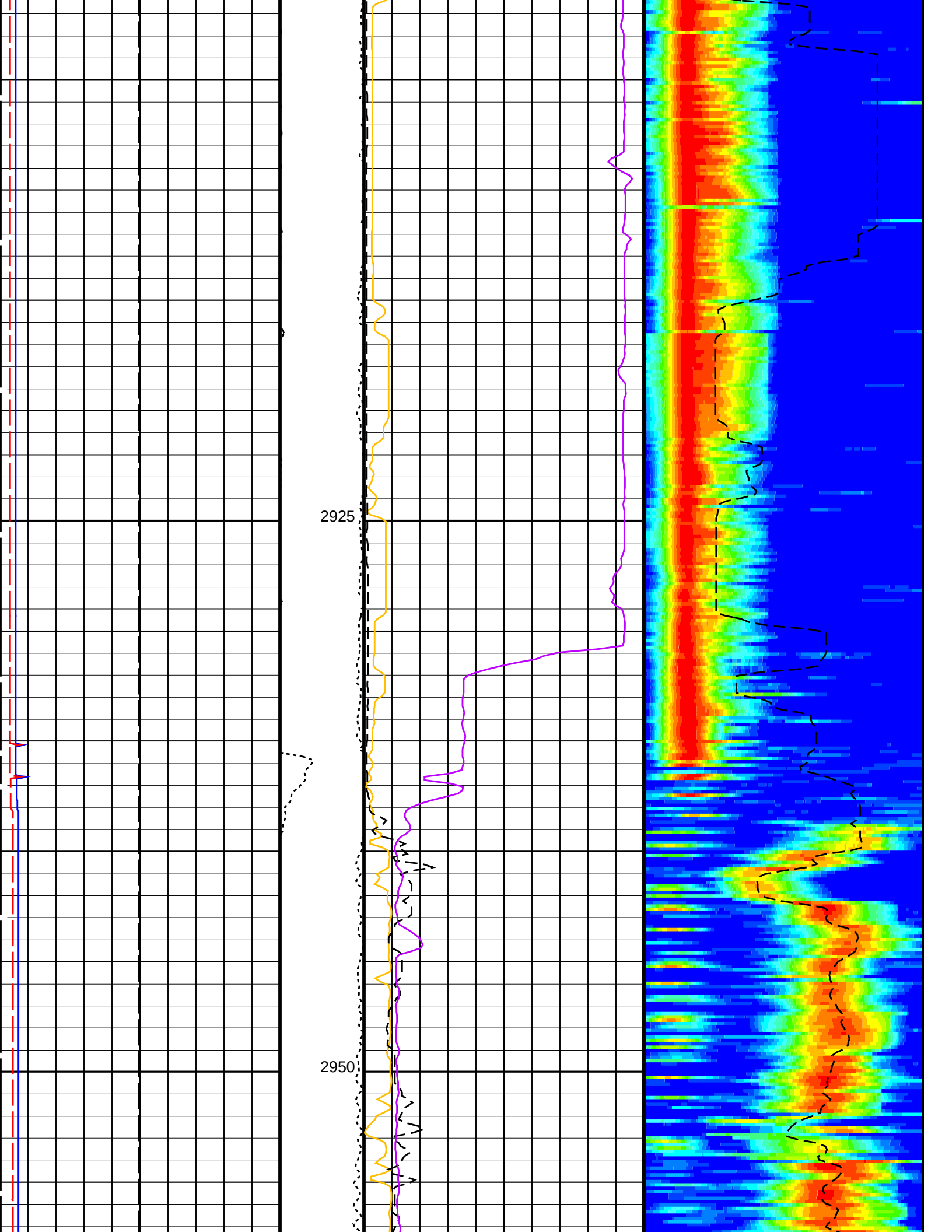
2925
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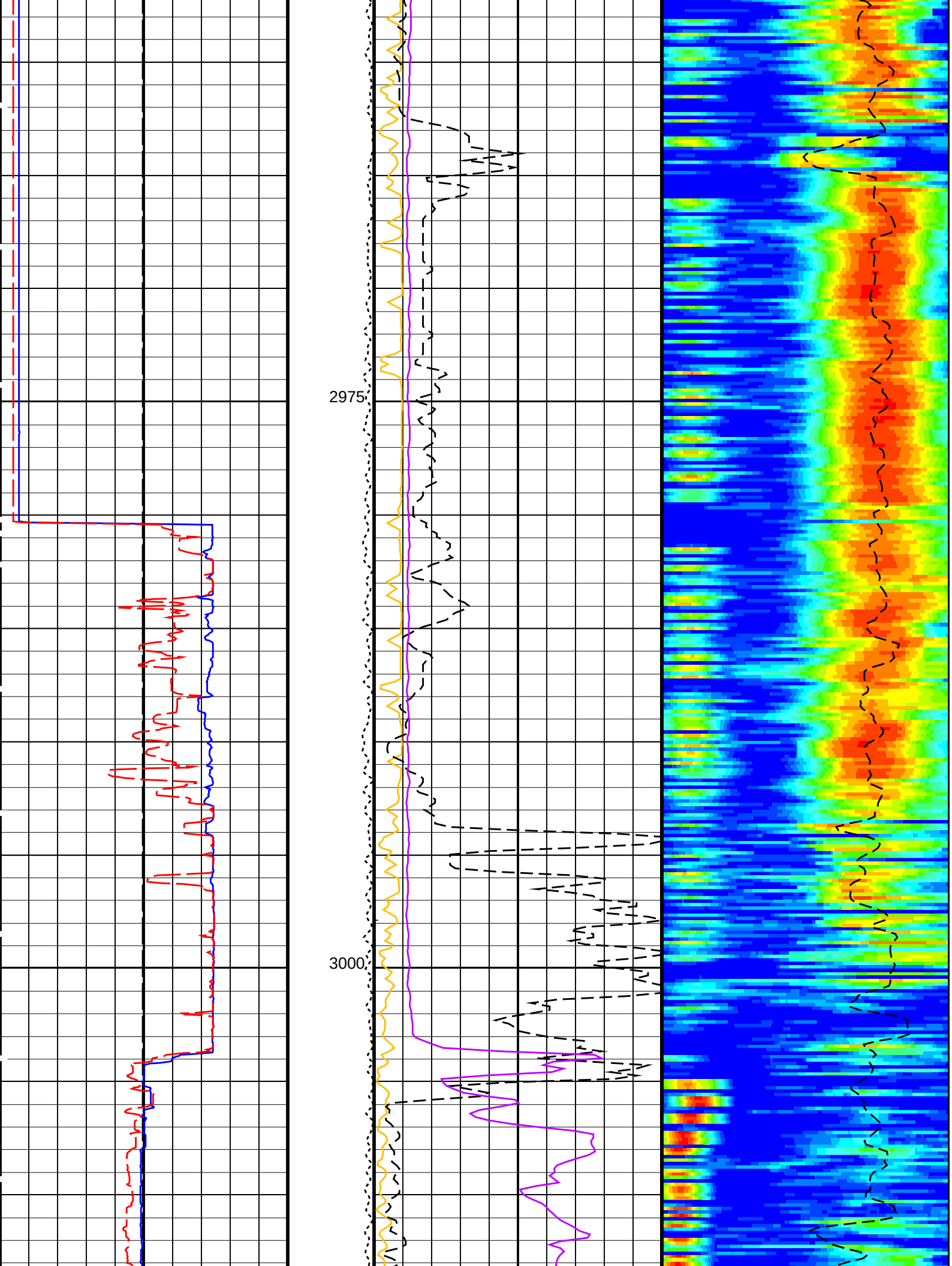
2975
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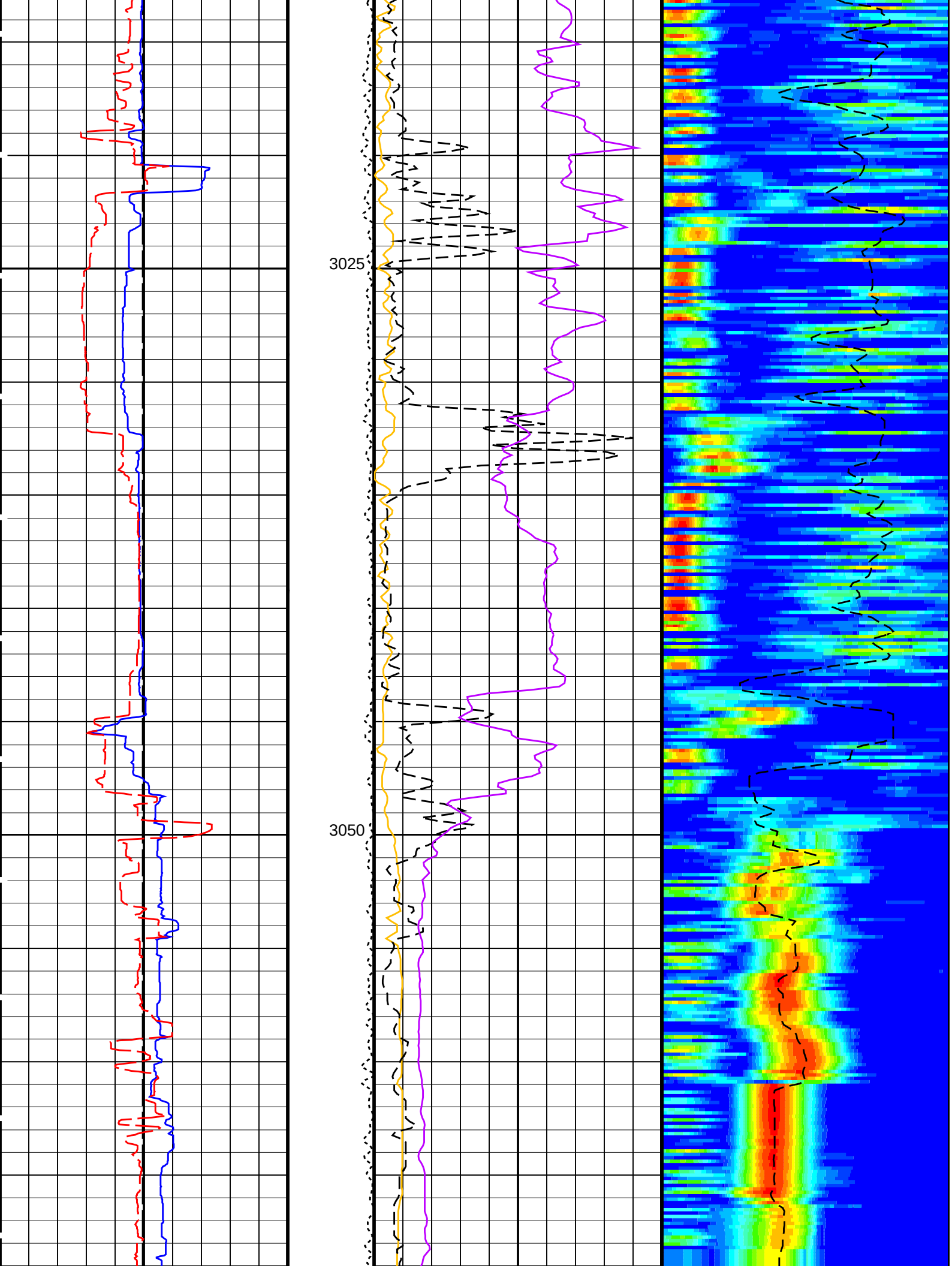
3025
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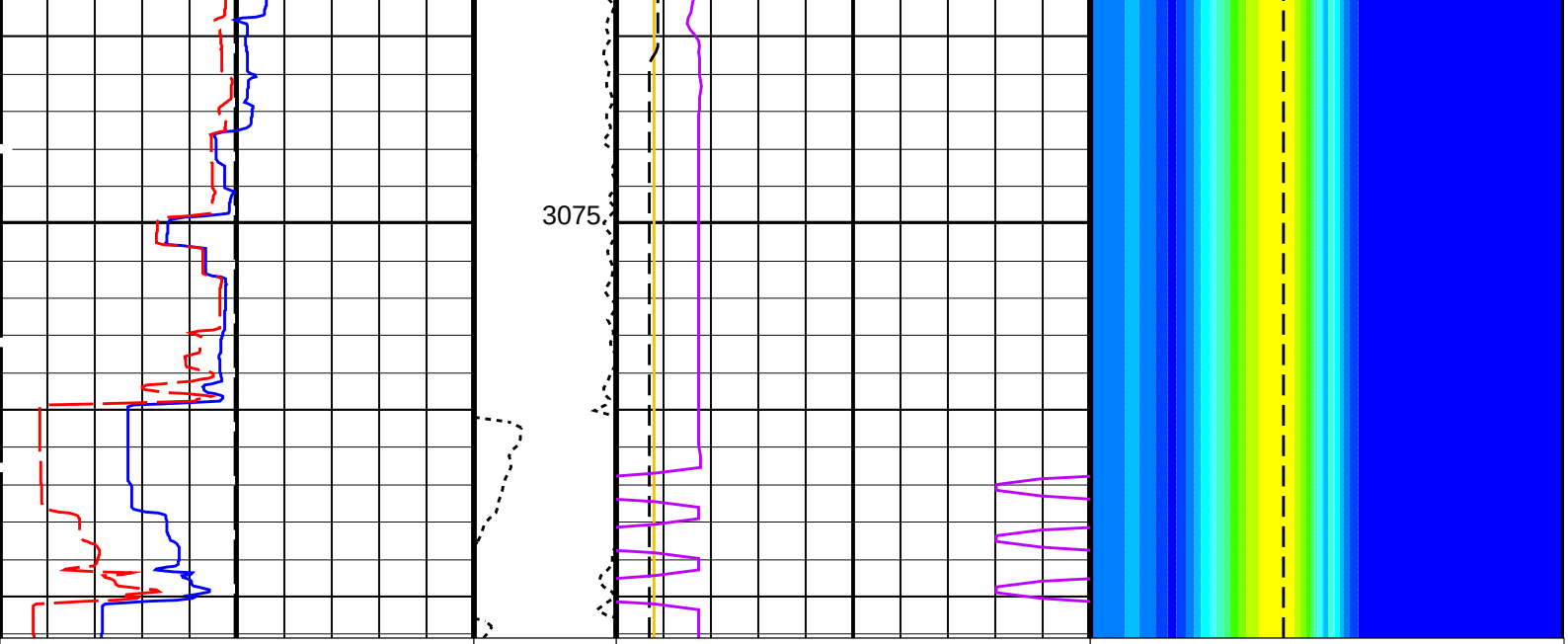


PIP SUMMARY

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	350	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1050	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: 29−Sep−2021 18:52**

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

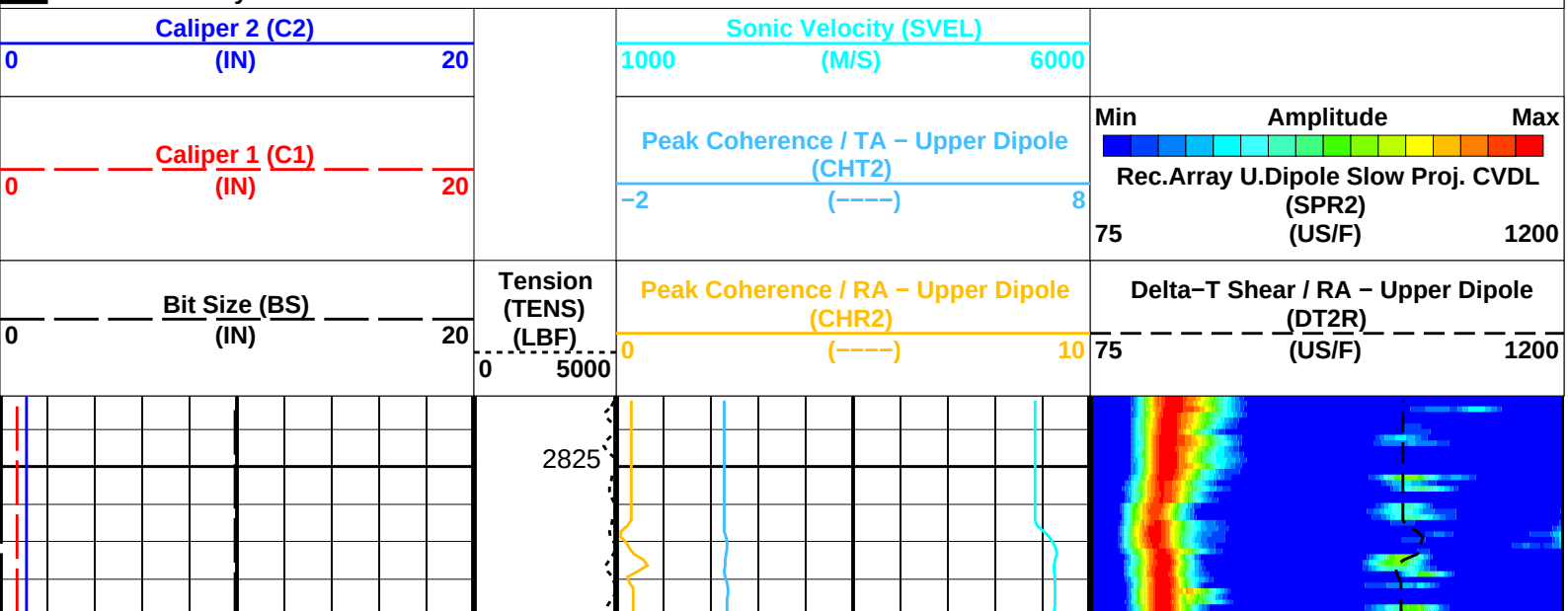
DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M

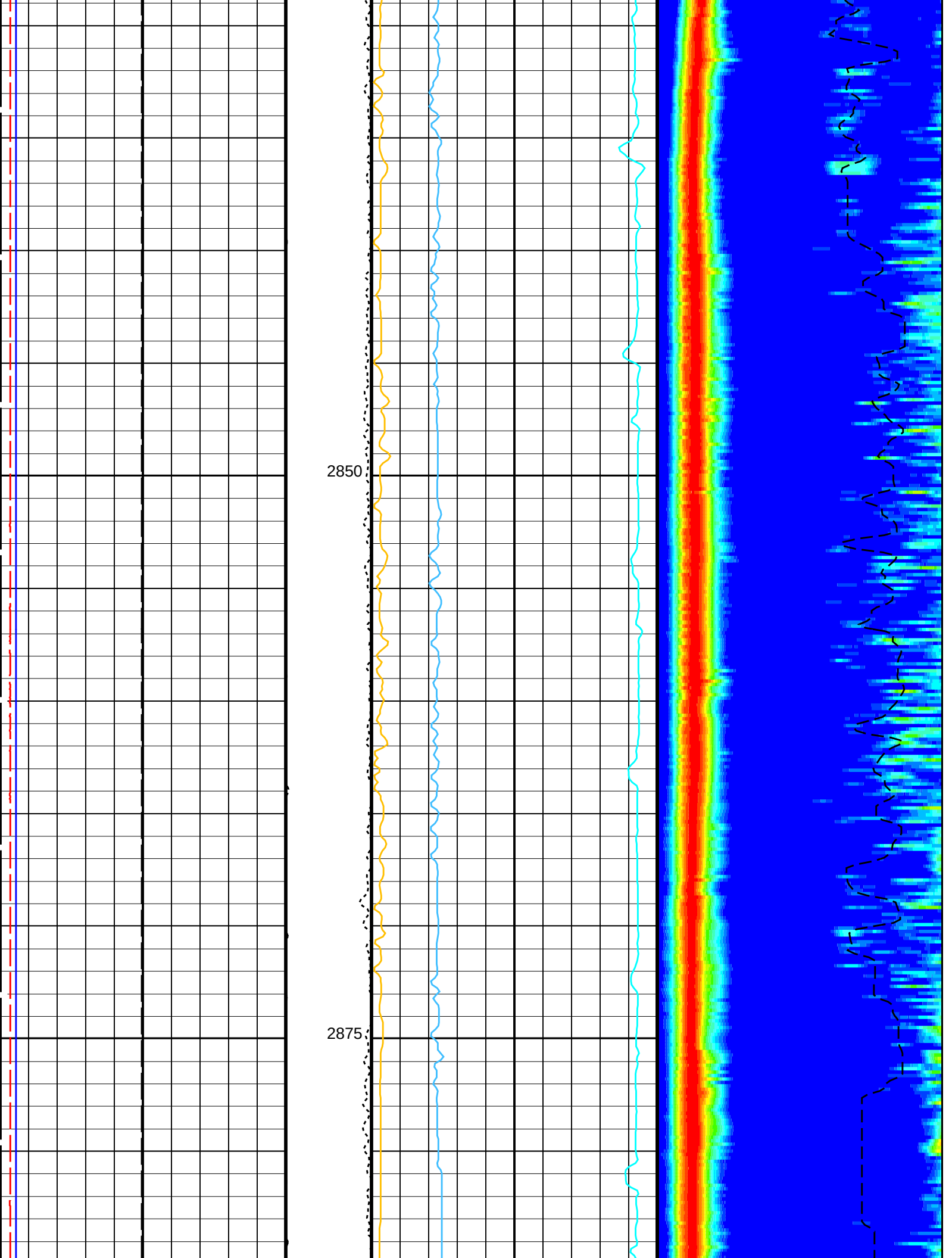
OP System Version: 19C0−187

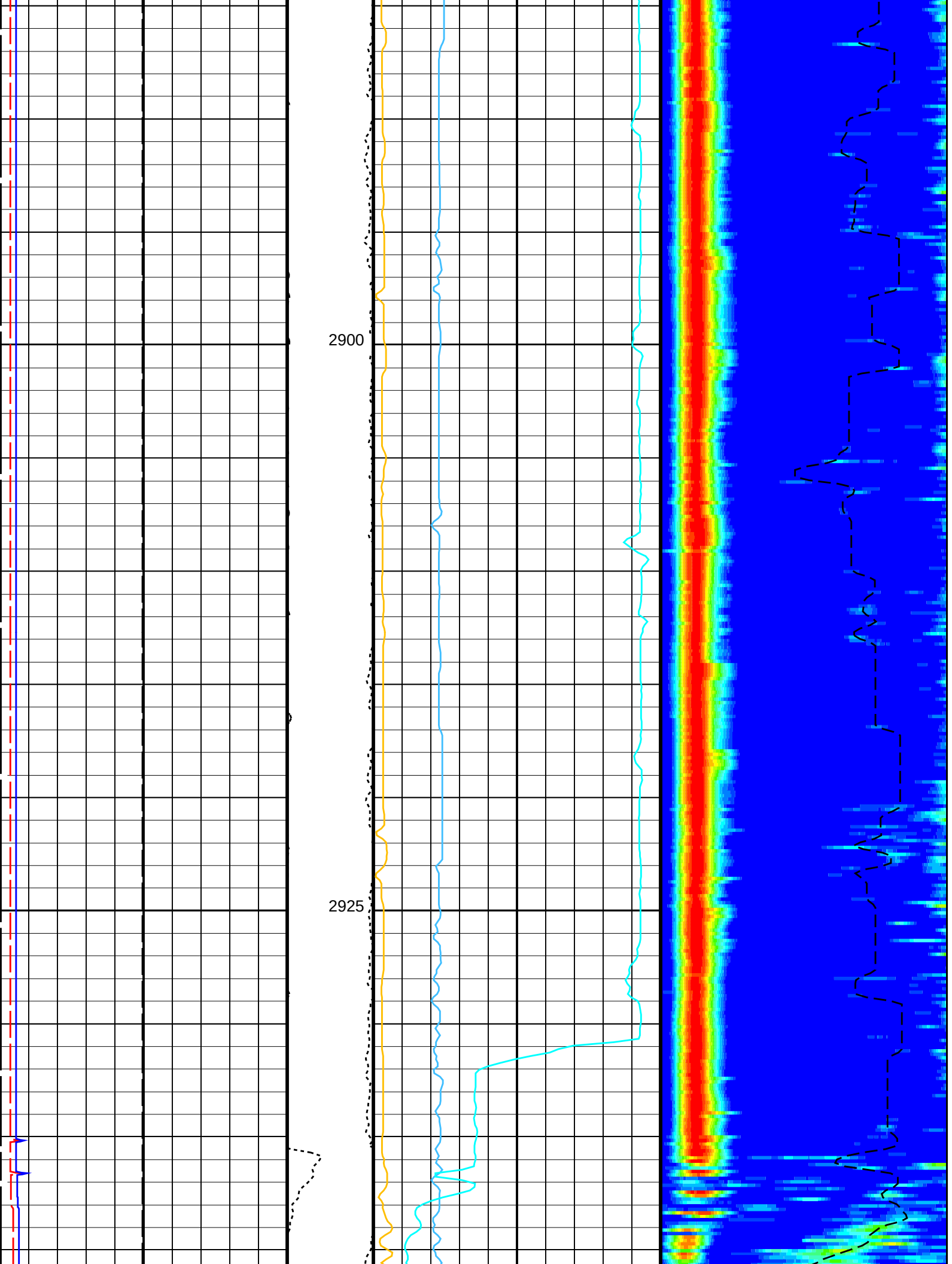
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

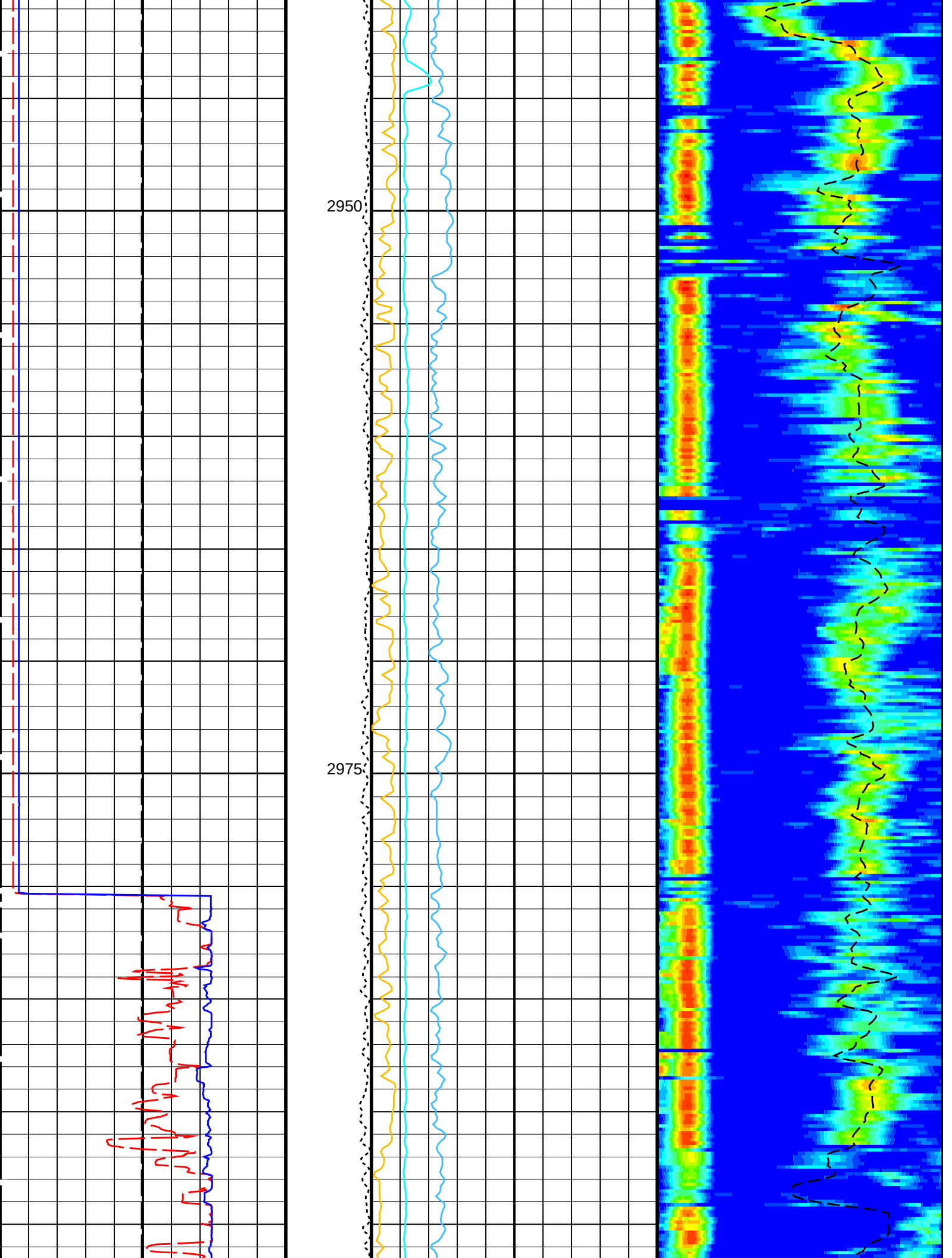
PIP SUMMARY

Time Mark Every 60 S




2850
2875


2900
2925


2950
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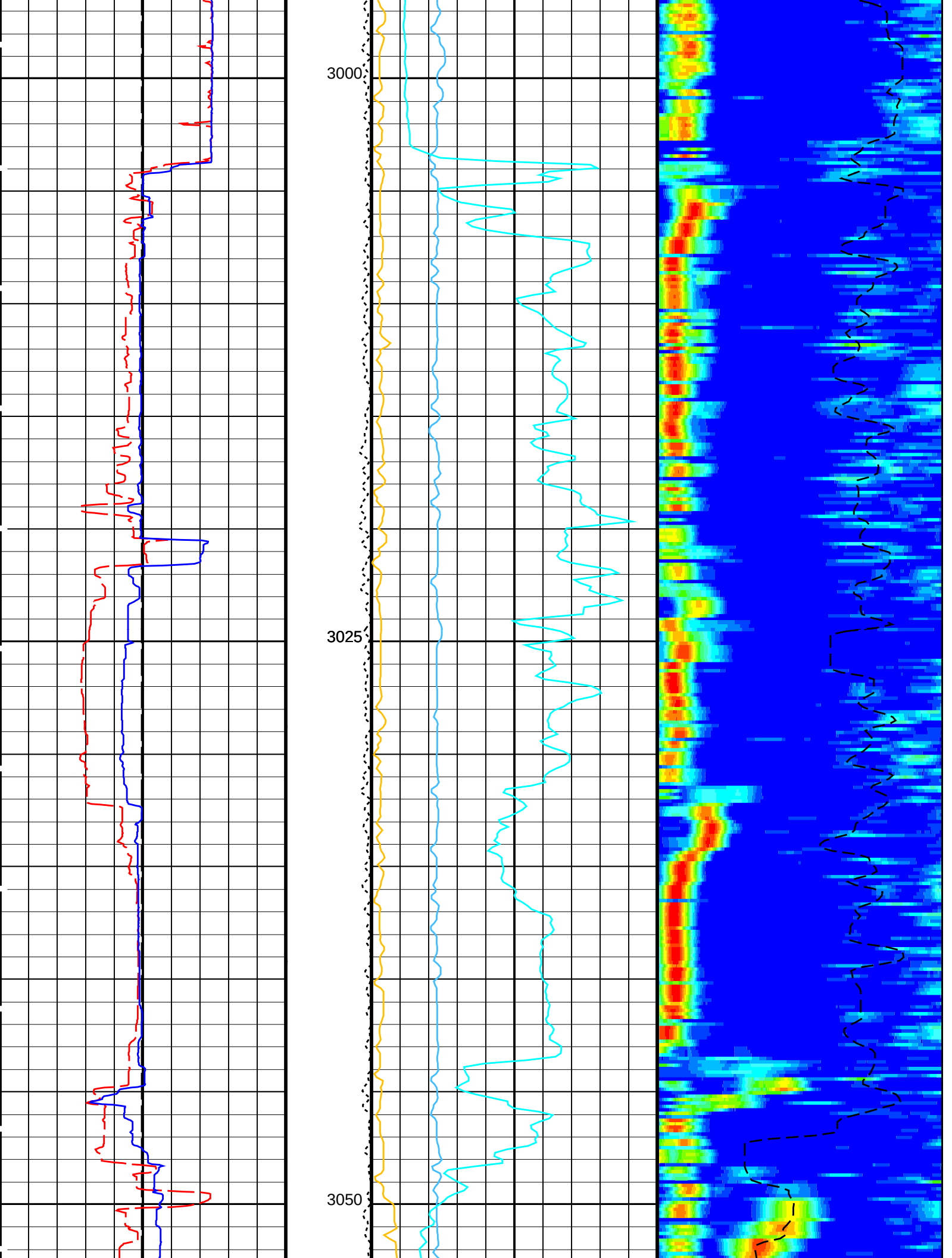
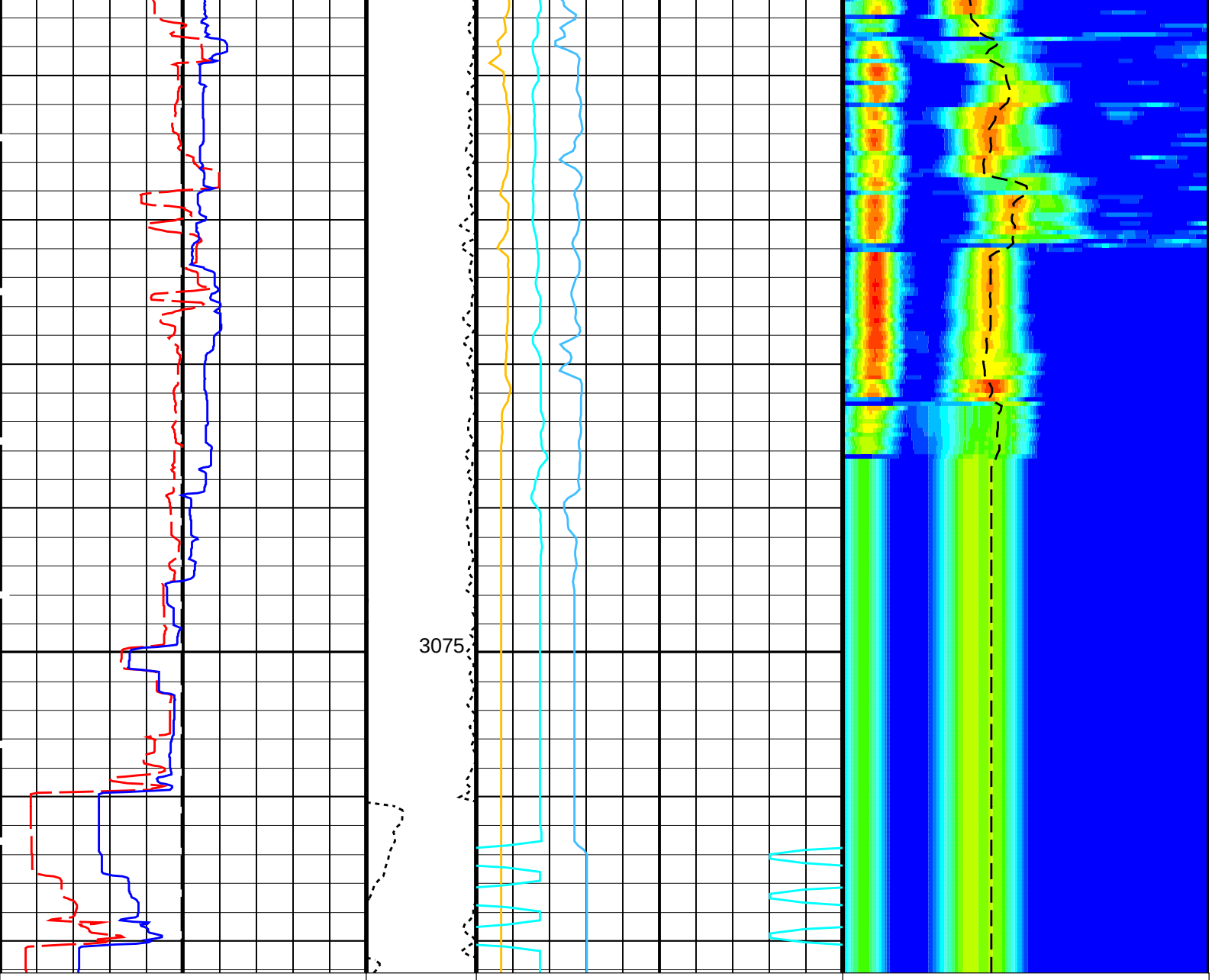

3000
3025
3050



Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA − Upper Dipole (CHR2) 0 (−−−−) 10
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA − Upper Dipole (CHT2) −2 (−−−−) 8
Caliper 2 (C2) 0 (IN) 20		Sonic Velocity (SVEL) 1000 (M/S) 6000

Delta−T Shear / RA − Upper Dipole (DT2R) 75 (US/F) 1200

Min Amplitude Max

Rec.Array U.Dipole Slow Proj. CVDL (SPR2) 75 (US/F) 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	350	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1050	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	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 29−Sep−2021 18:52**

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52		

Company: International Ocean Discovery Program **Well: Expedition 396, Site U1574A**

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

Caliper 2 (C2)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Bit Size (BS)
0 (IN) 20

Delta−T Stoneley (DTST)
440 (US/F) 40

Delta−T Stoneley / TA (DT3T)
440 (US/F) 40

Delta−T Stoneley / RA (DT3R)
440 (US/F) 40

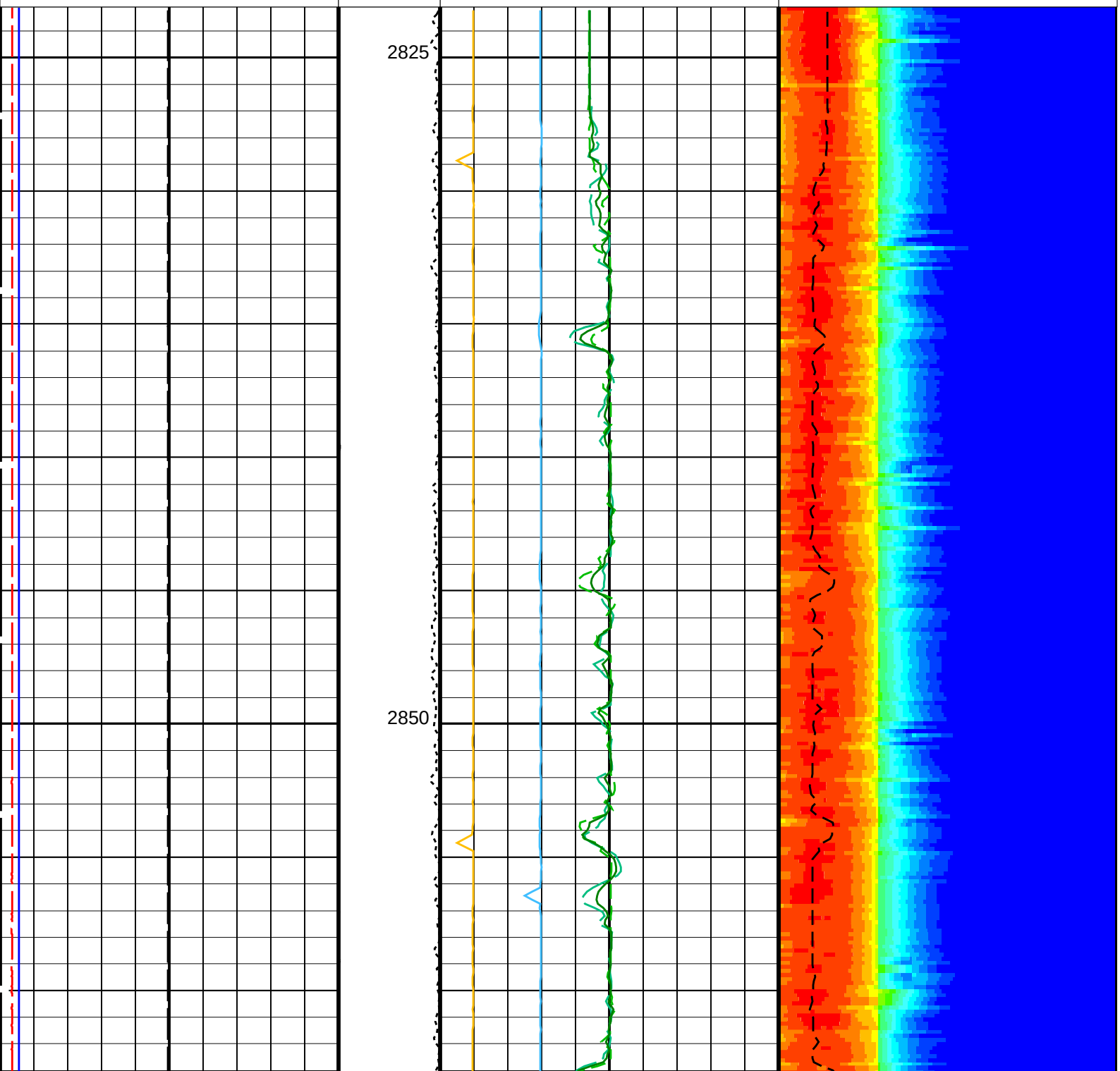
Peak Coherence / TA − Stoneley (CHT3)
−2 (−−−−) 8

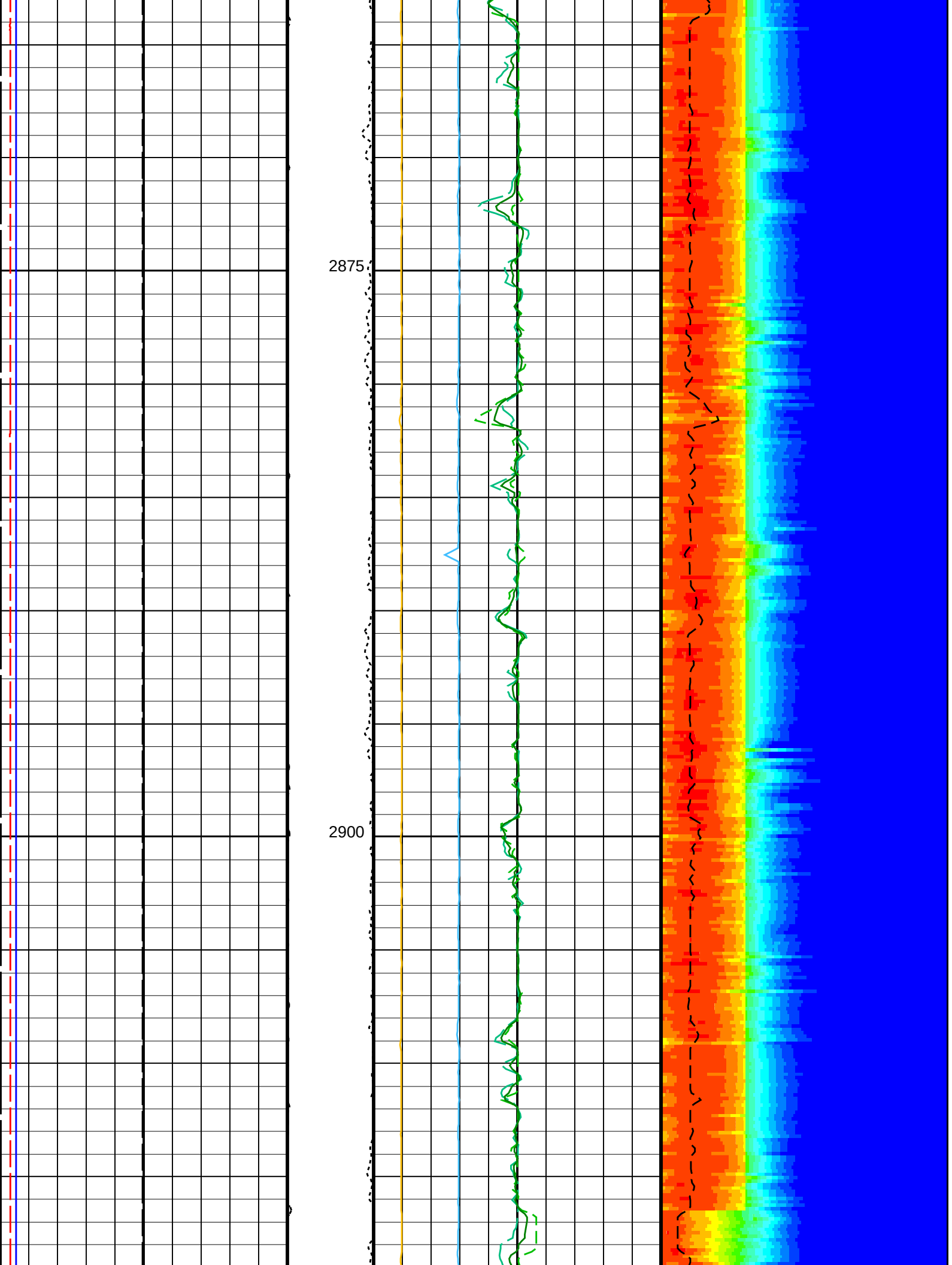
Tension (TENS) (LBF)
0 5000

Peak Coherence / RA − Stoneley (CHR3)
0 (−−−−) 10

Min Amplitude Max
Rec.Array Stoneley Slow Proj. CVDL (SPR3)
180 (US/F) 780

Delta−T Stoneley / RA (DT3R)
180 (US/F) 780

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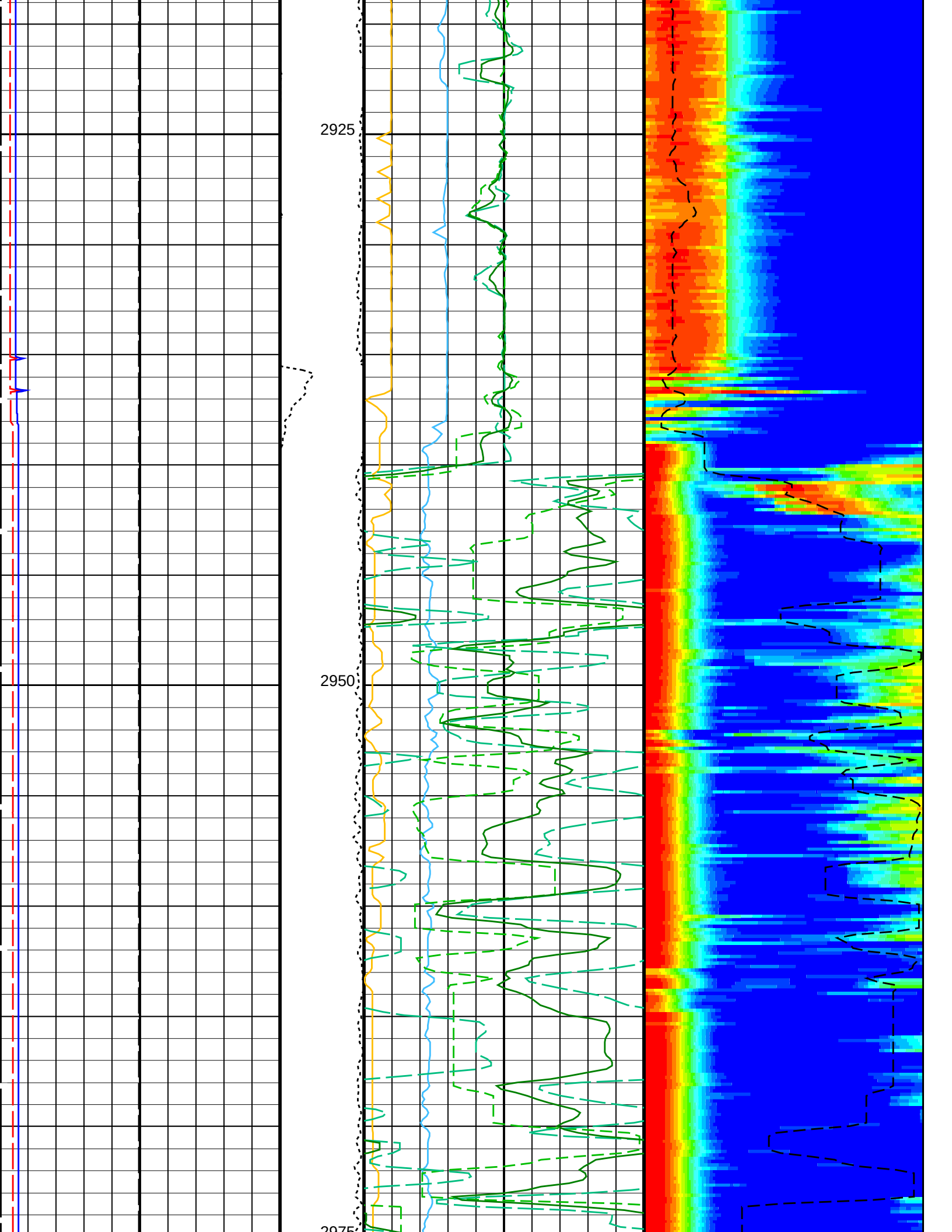
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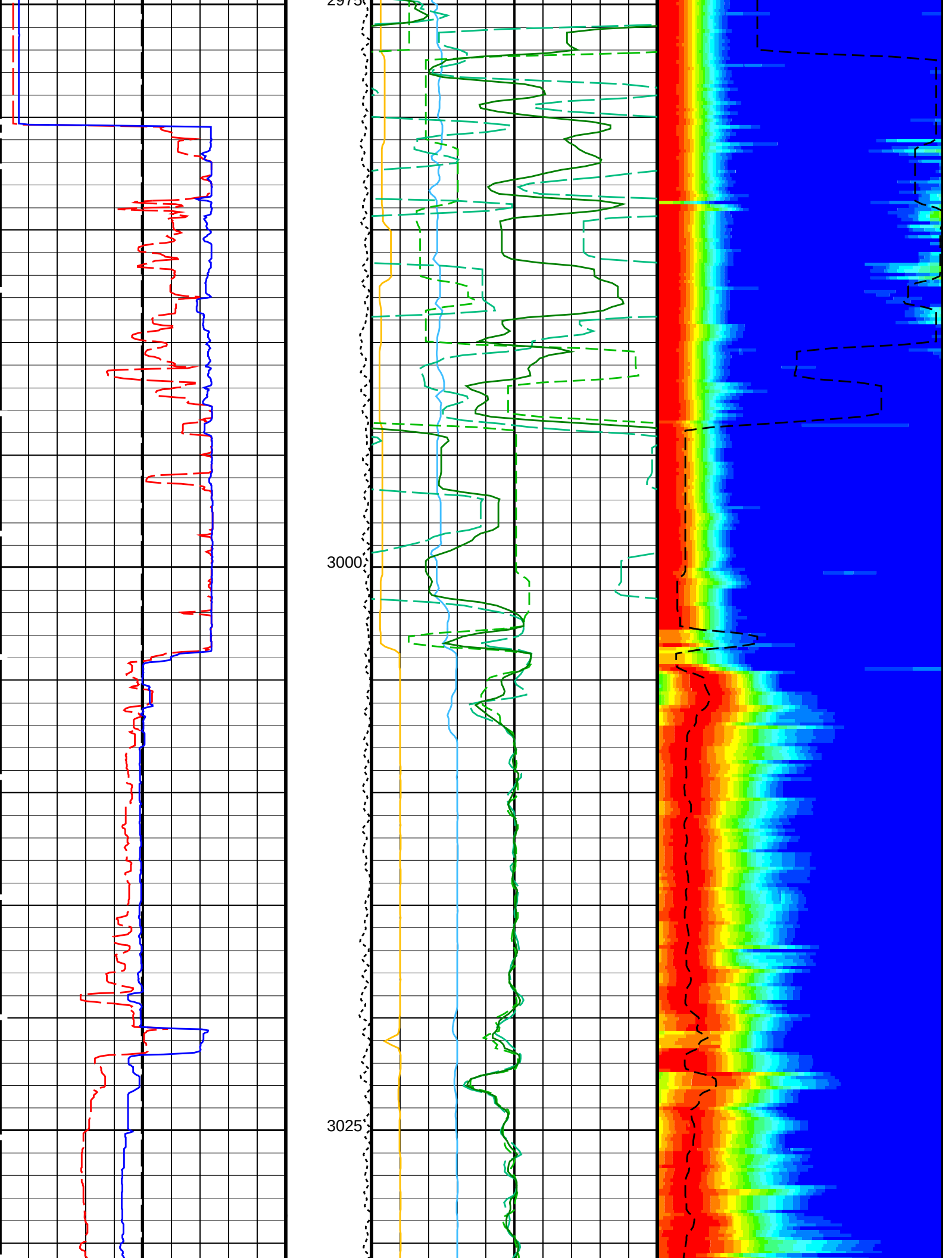
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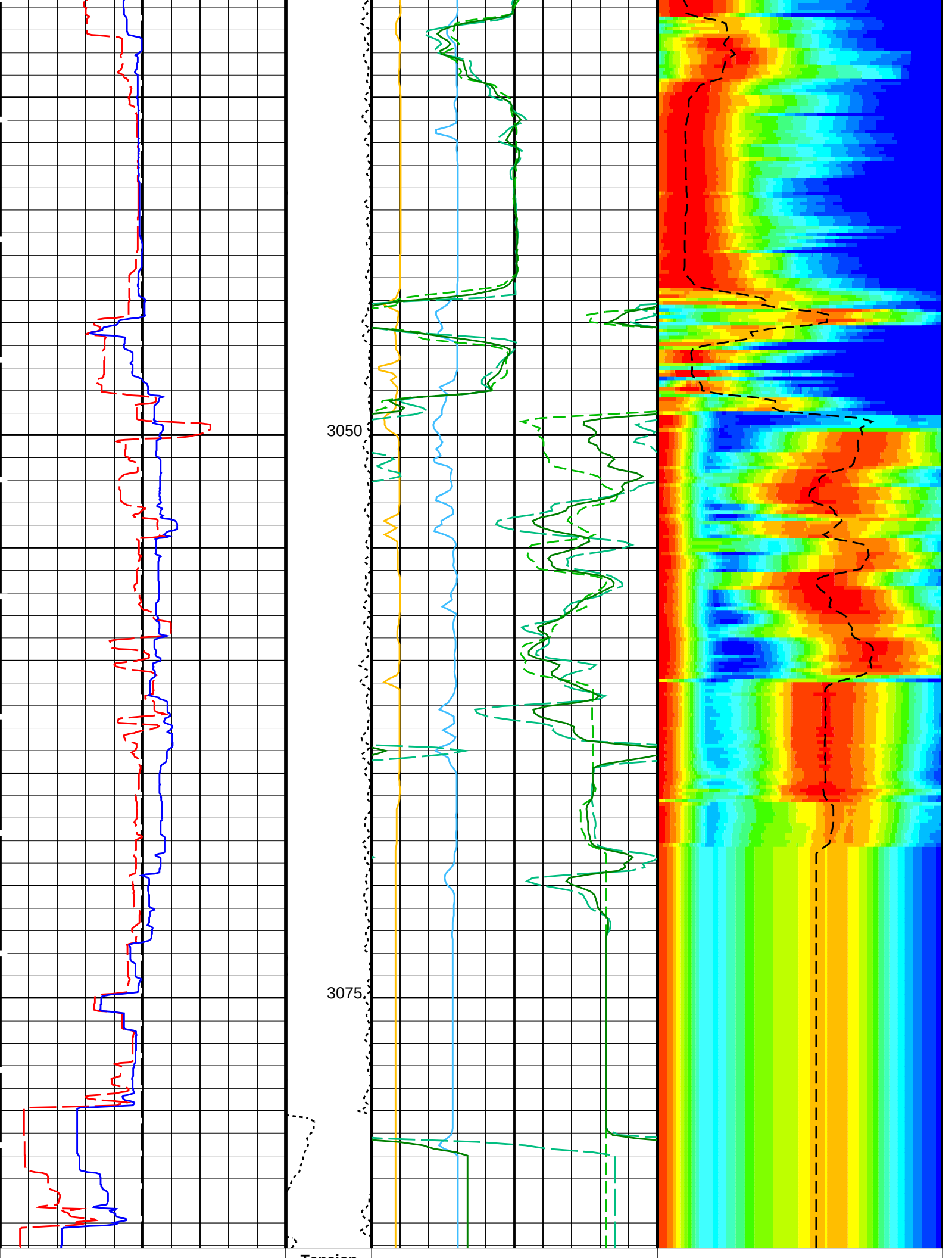
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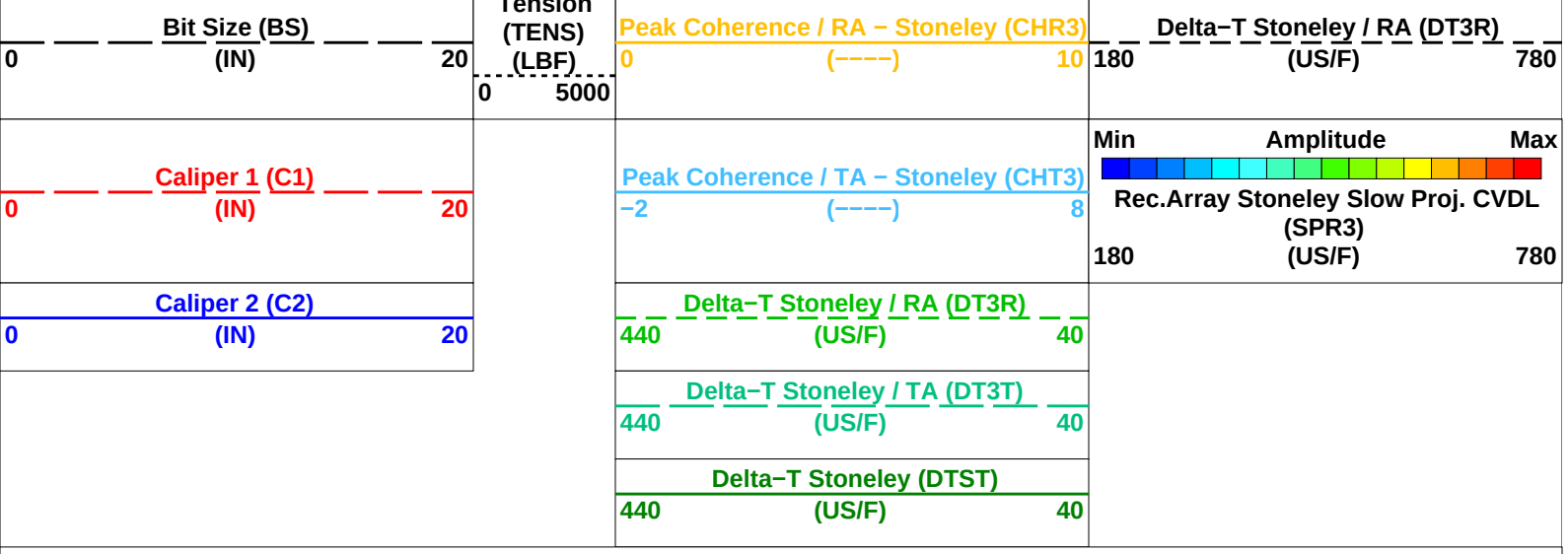


PIP SUMMARY

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	ODD	
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	210	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: 29−Sep−2021 18:52

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187

HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52		

Company: International Ocean Discovery Program — Well: Expedition 396, Site U1574A

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

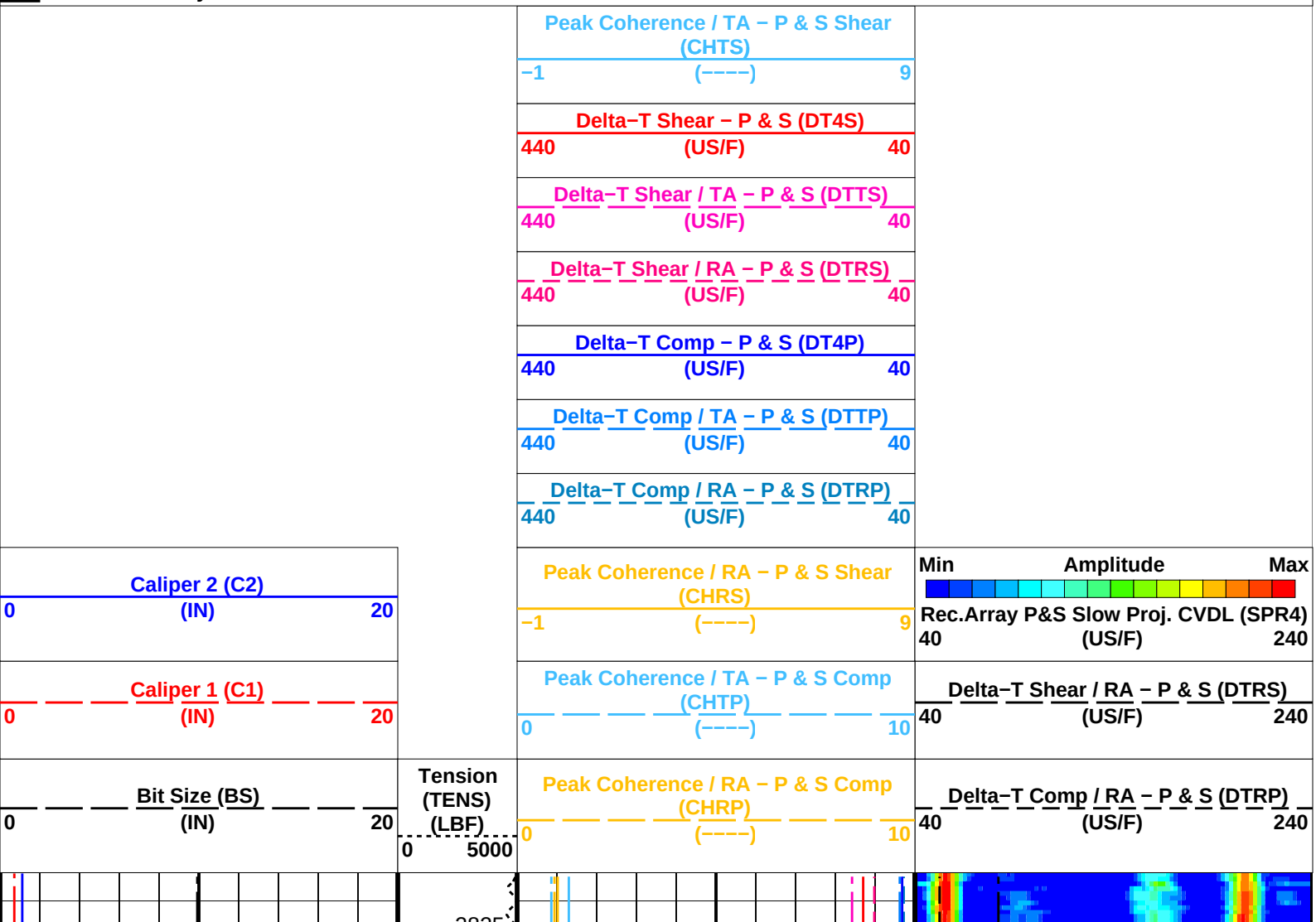
DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M

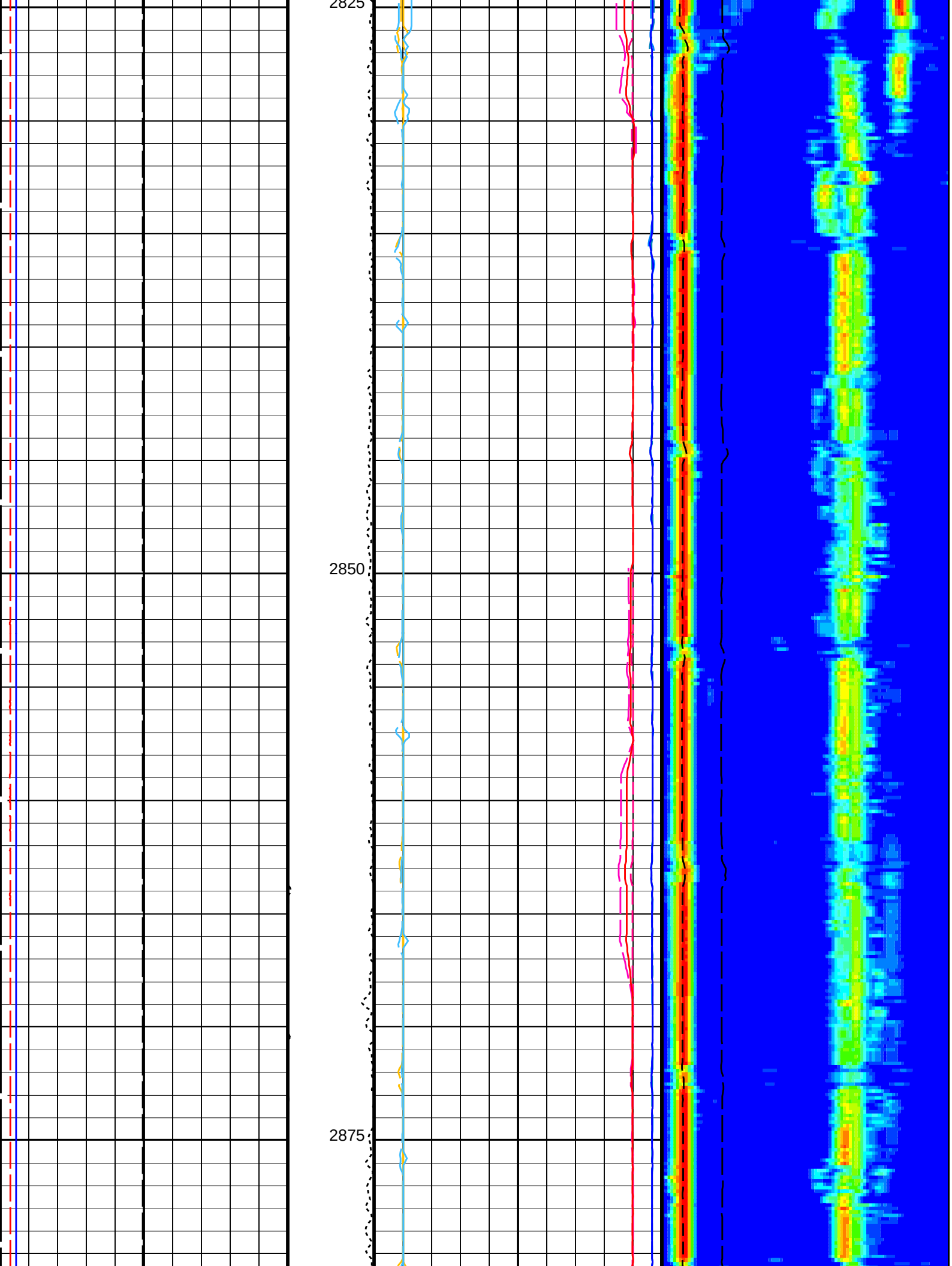
OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S

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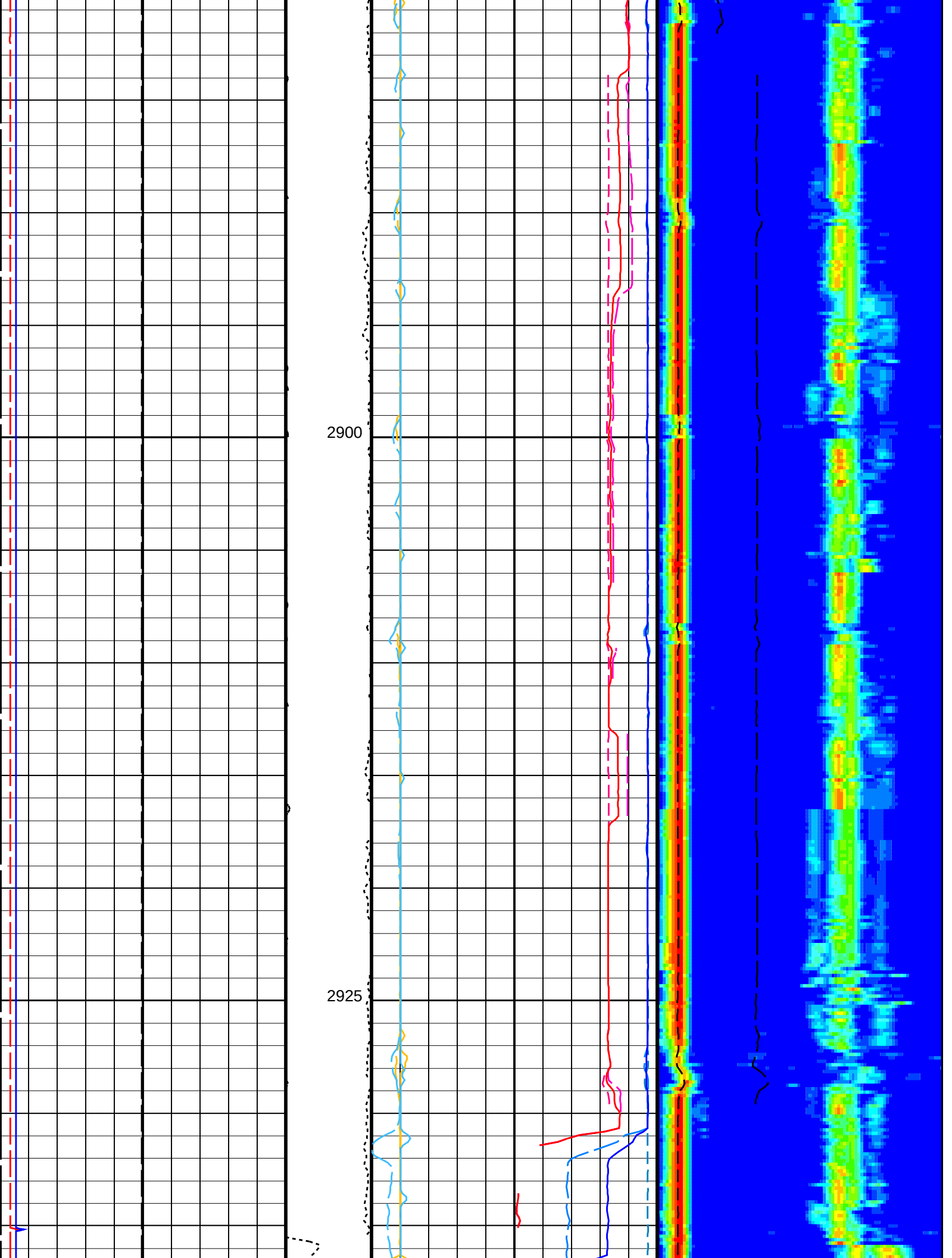
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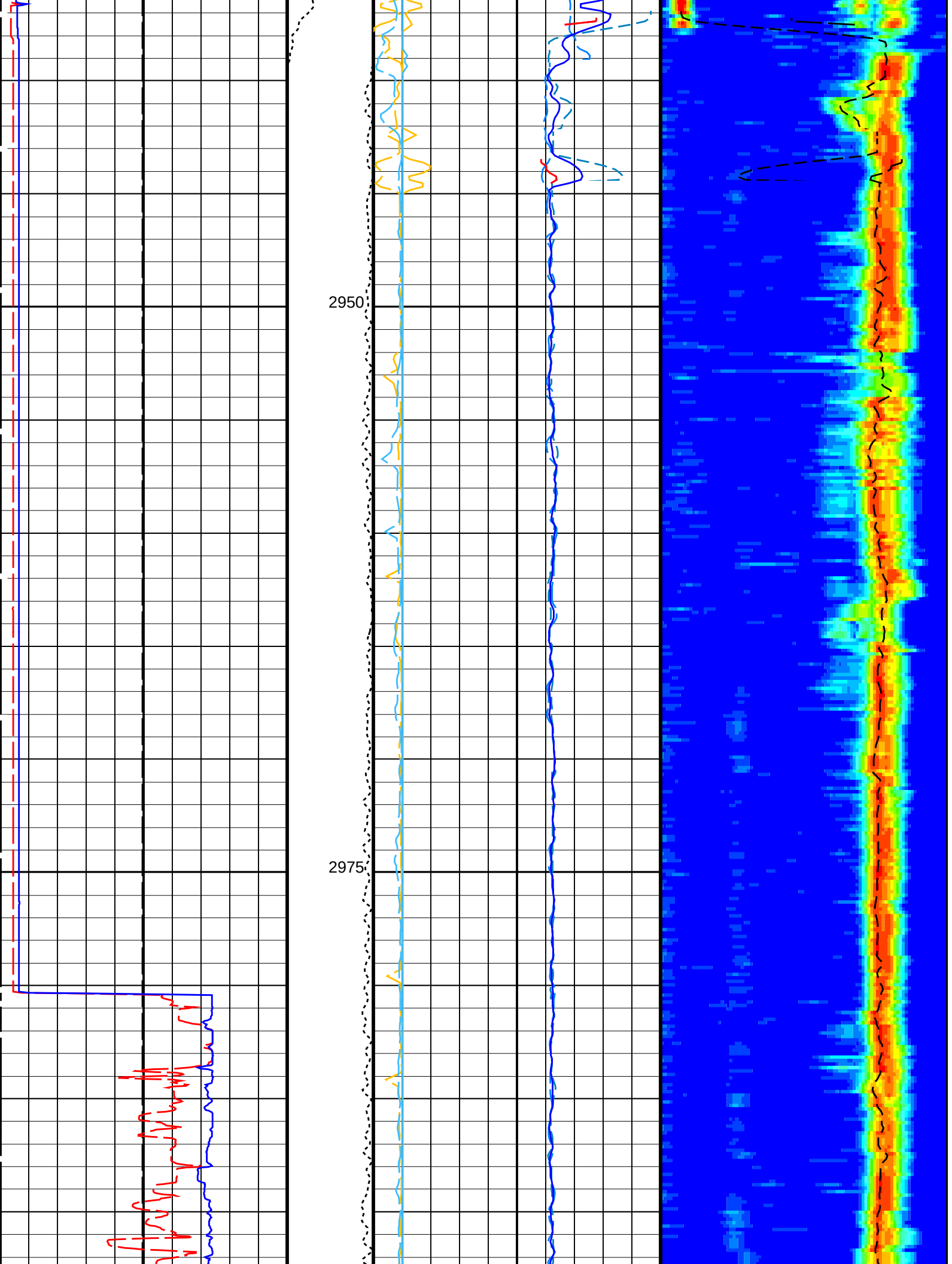
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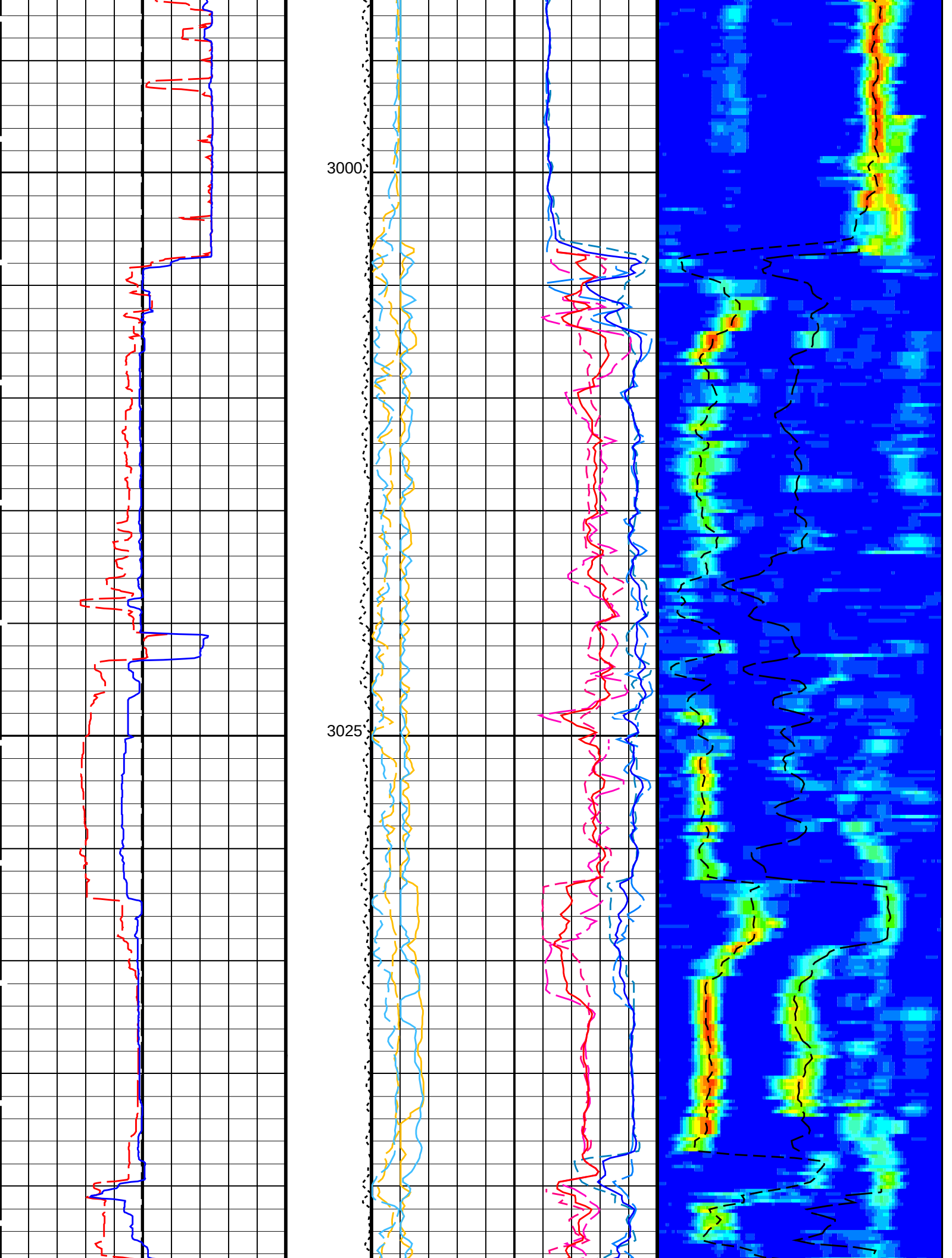
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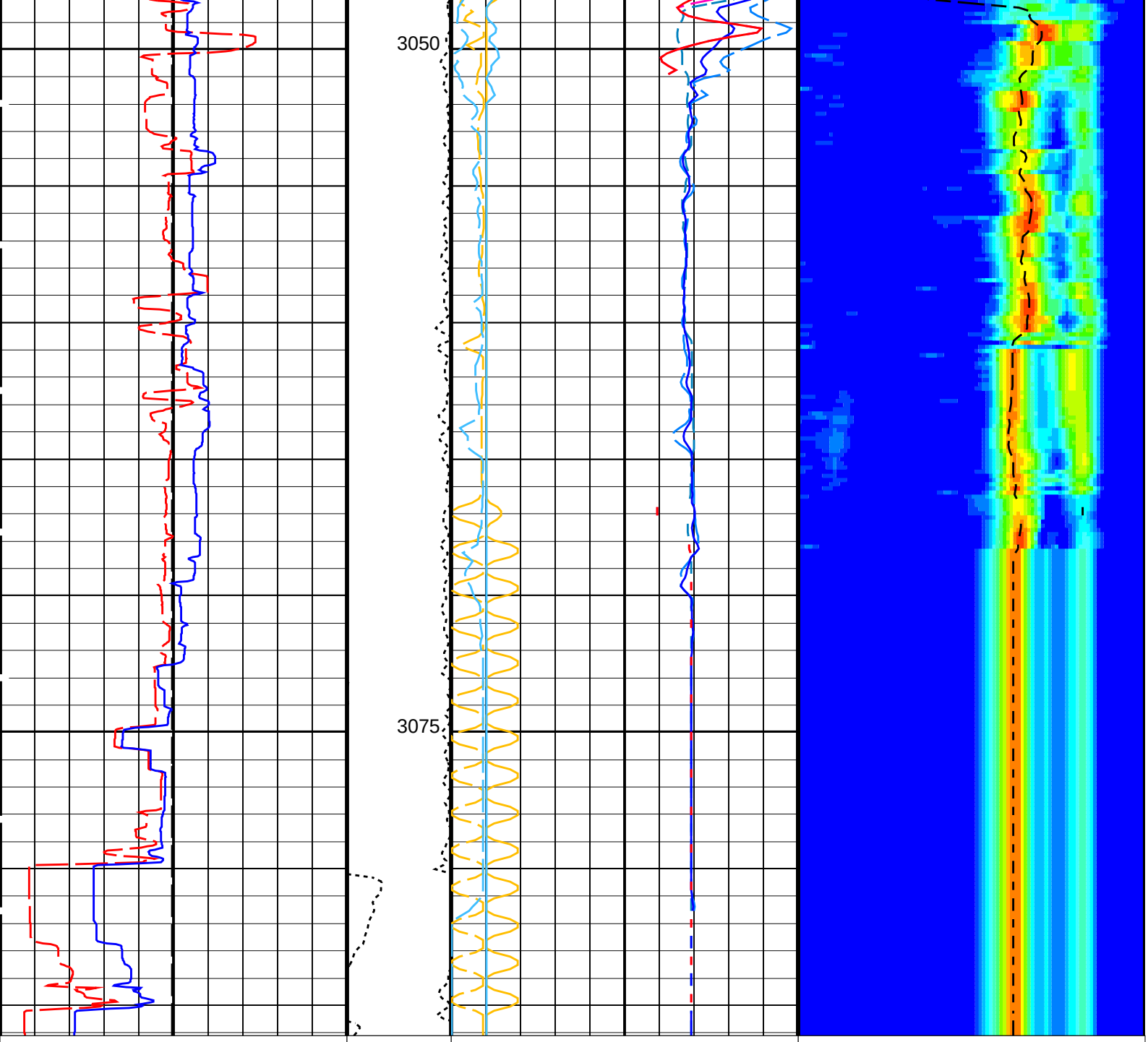


Bit Size (BS)
0 (IN) 20

Caliper 1 (C1)
0 (IN) 20

Caliper 2 (C2)
0 (IN) 20

Tension (TENS) (LBF)
0 5000

Peak Coherence / RA − P & S Comp (CHRP)
0 (----) 10

Peak Coherence / TA − P & S Comp (CHTP)
0 (----) 10

Peak Coherence / RA − P & S Shear (CHRS)
−1 (----) 9

Delta−T Comp / RA − P & S (DTRP)
440 (US/F) 40

Delta−T Comp / TA − P & S (DTTP)
440 (US/F) 40

Delta−T Comp − P & S (DT4P)
440 (US/F) 40

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

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

Min Amplitude Max

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

Delta−T Shear / RA − P & S (DTRS)		
440	(US/F)	40

Delta−T Shear / TA − P & S (DTTS)		
440	(US/F)	40

Delta−T Shear − P & S (DT4S)		
440	(US/F)	40

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	220	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	COMP_FIRST	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	0	
RSMN	Label Shear/Compressional Minimum Ratio − Monopole P&S	1.4	
RSMX	Label Shear/Compressional Maximum Ratio − Monopole P&S	2.12	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM4	DSST Sonic Acquisition Mode 4 − Monopole Mode for P&S	EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status − Monopole P&S	255	
SBO4	STC Search Band Offset − Monopole P&S	500	US
SBR4	STC Baseline Removal − Monopole P&S	ON	
SBW4	STC Search Bandwidth − Monopole P&S	2000	US
SFC4	STC Formation Character − Monopole P&S	SELECTABLE	
SFM4	STC Filter − Monopole P&S	B3−20K	
SHLL	Label Slowness Lower Limit − Monopole P&S Shear	70	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	210	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	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52		
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52		

Company: International Ocean Discovery Program — Well: Expedition 396, Site U1574A

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

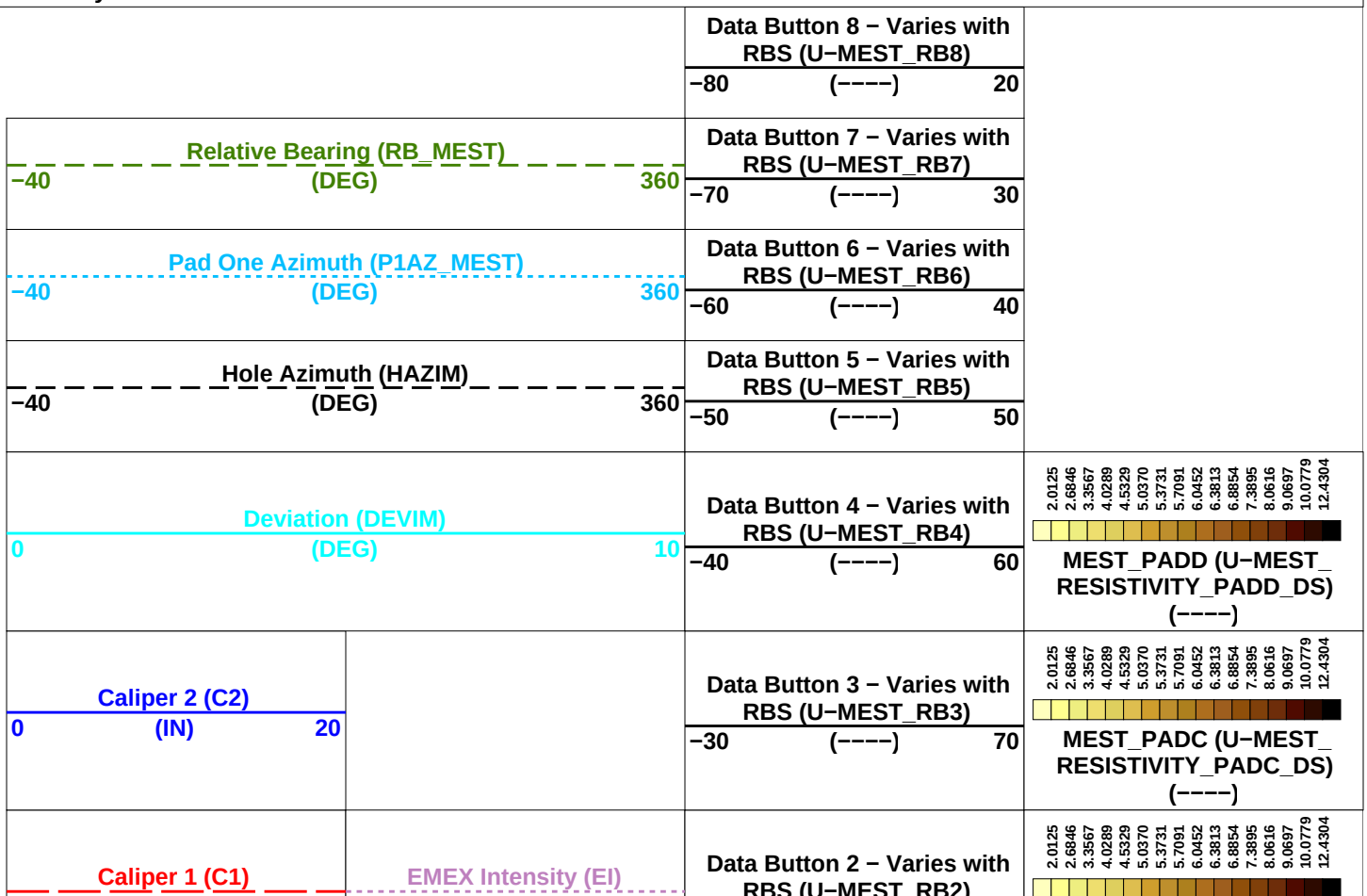
DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52	3086.1 M	2823.1 M

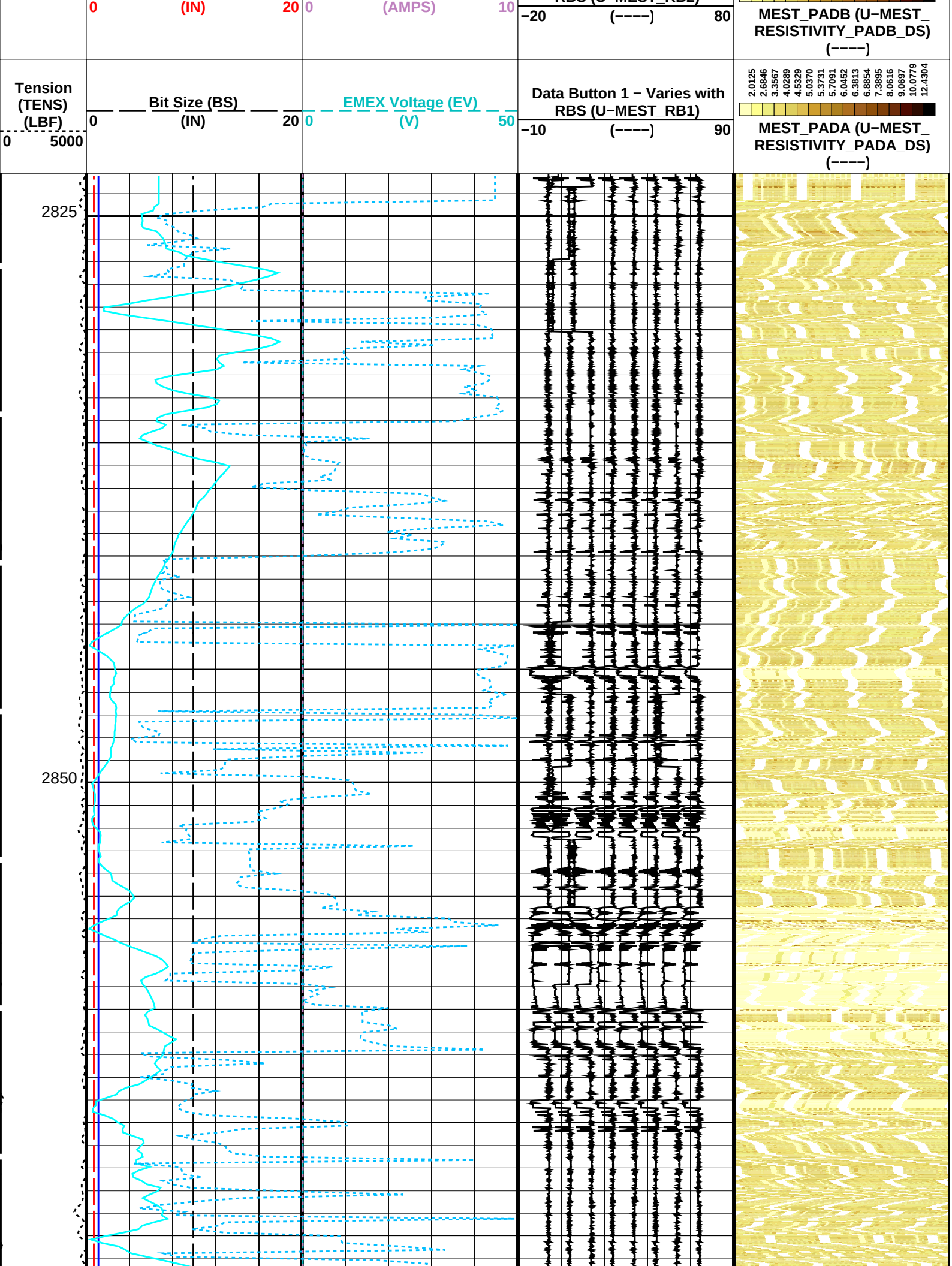
OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S




0
(IN)
20
0
(AMPS)
10
−20
(−−−−)
80
MEST_PADB (U−MEST_
RESISTIVITY_PADB_DS)
(−−−−)
Tension
(TENS)
(LBF)
0
5000
Bit Size (BS)
0
(IN)
20
EMEX Voltage (EV)
0
(V)
50
Data Button 1 − Varies with
RBS (U−MEST_RB1)
−10
(−−−−)
90
2.0125
2.6846
3.3567
4.0289
4.5329
5.0370
5.3731
5.7091
6.0452
6.3813
6.8854
7.3895
8.0616
9.0697
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12.4304
MEST_PADA (U−MEST_
RESISTIVITY_PADA_DS)
(−−−−)
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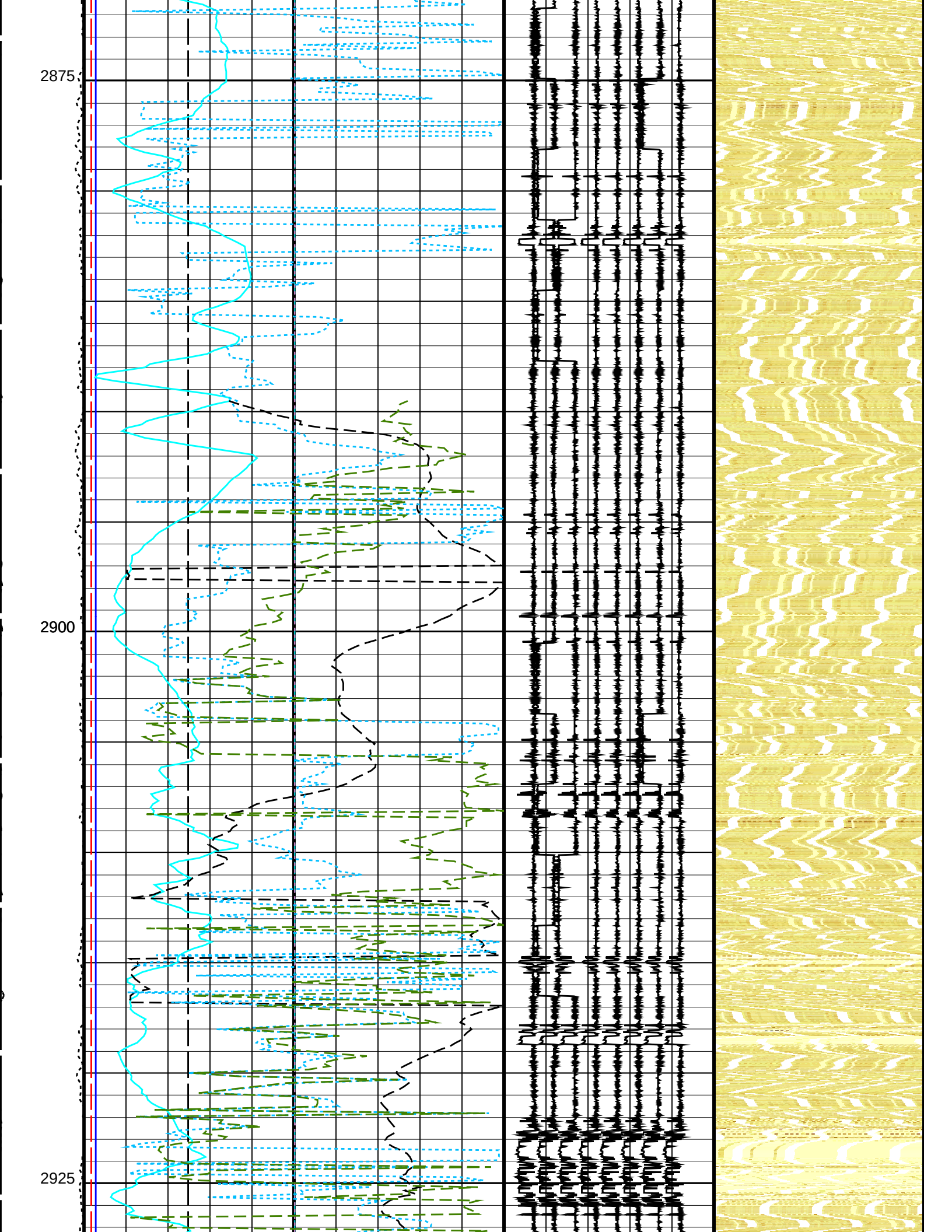
2850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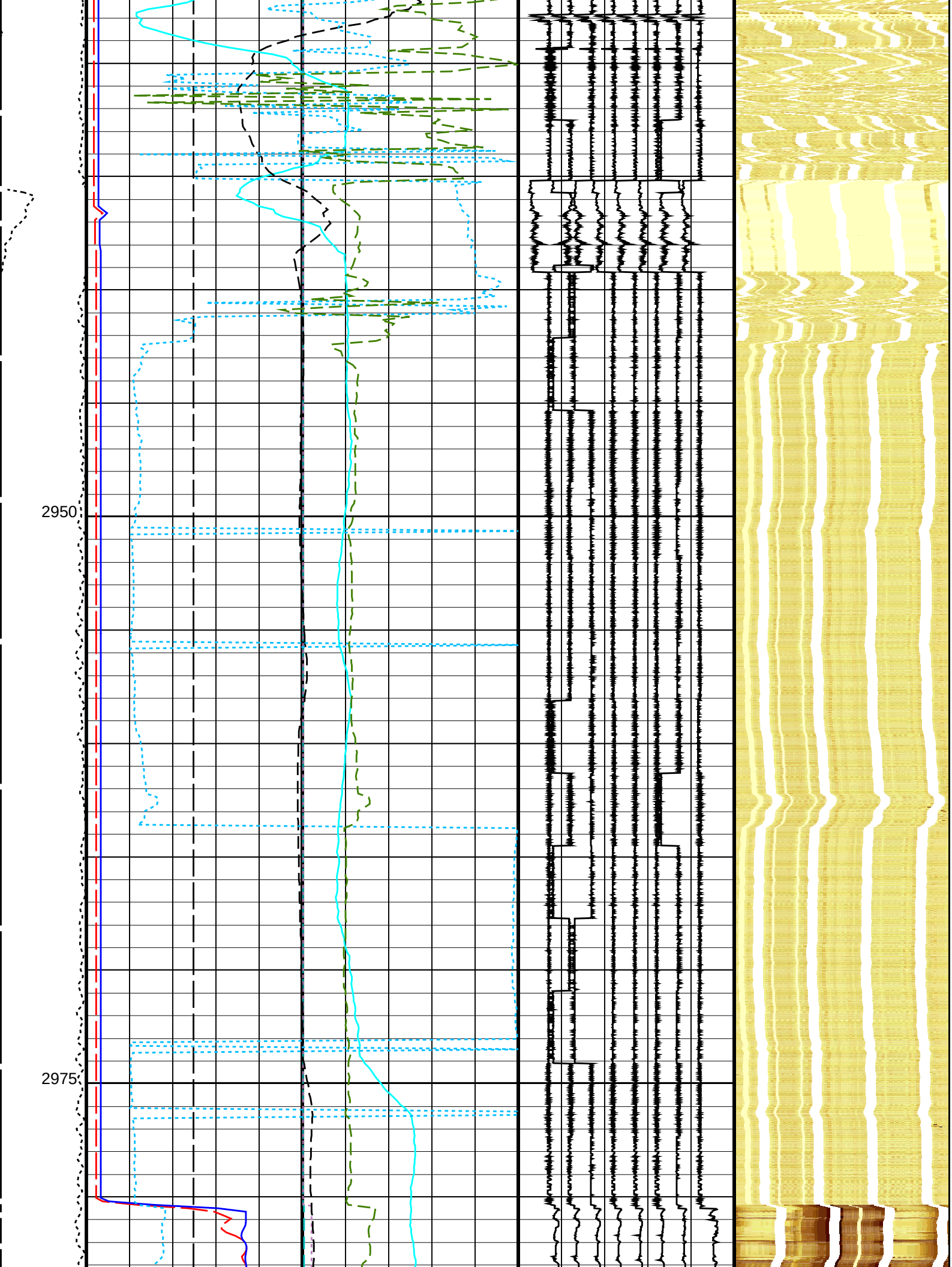
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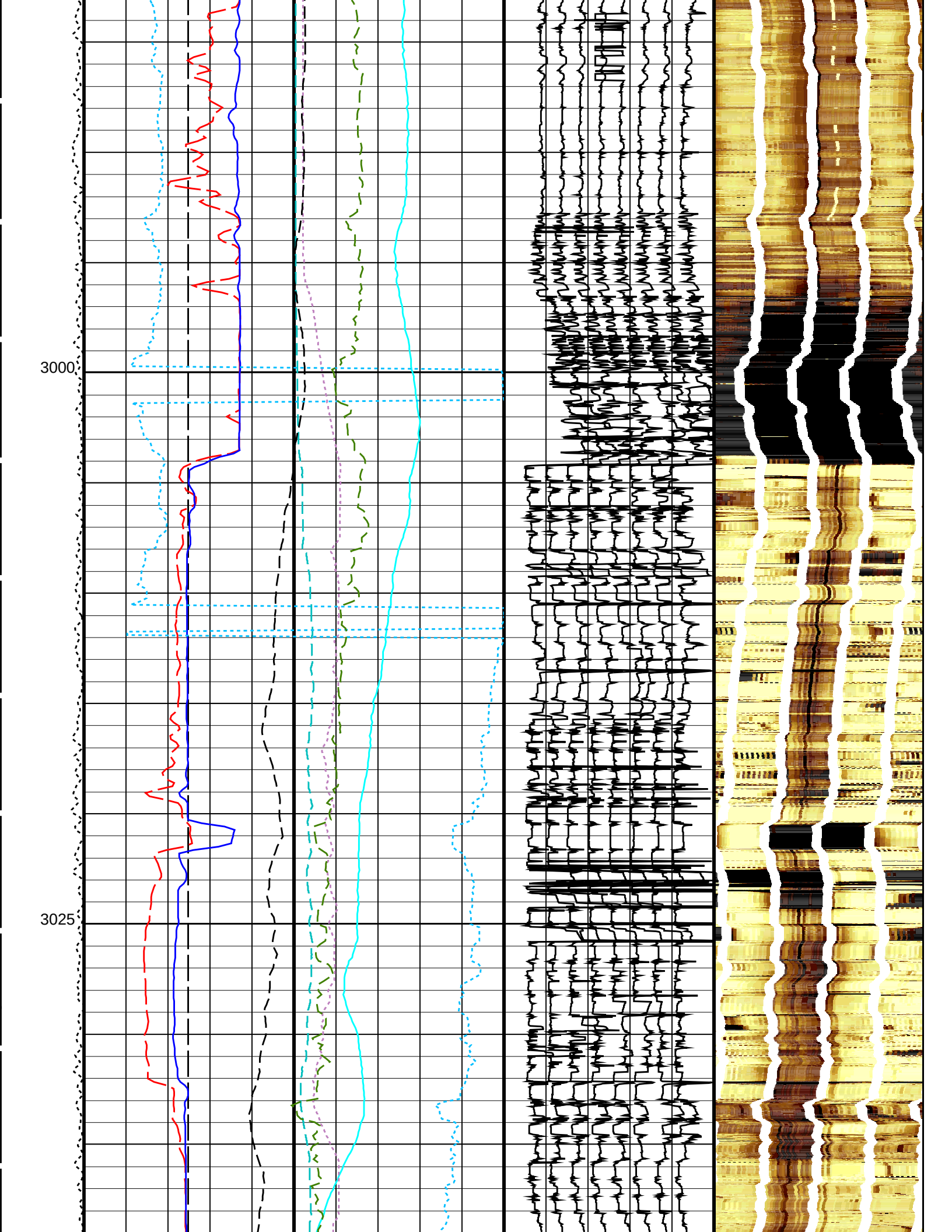
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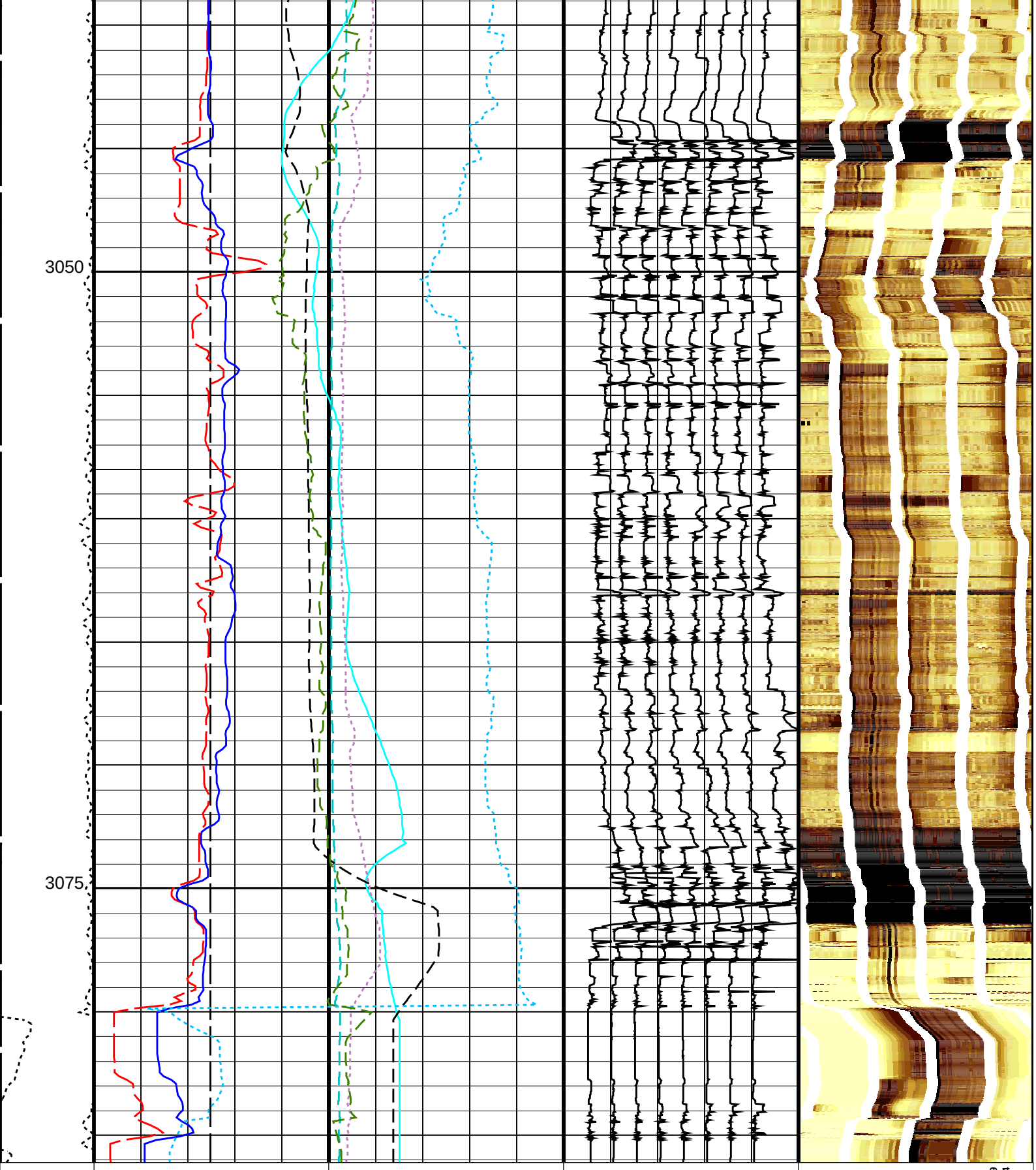

Tension (TENS) (LBF)	Bit Size (BS)	EMEX Voltage (EV)	Data Button 1 − Varies with RBS (U−MEST_RB1)	MEST_PADA (U−MEST_RESISTIVITY_PADA_DS) (−−−−)
0 5000	0 (IN) 20	0 (V) 50	−10 (−−−−) 90	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304
	Caliper 1 (C1)	EMEX Intensity (EI)	Data Button 2 − Varies with RBS (U−MEST_RB2)	MEST_PADB (U−MEST_RESISTIVITY_PADB_DS)
	0 (IN) 20	0 (AMPS) 10	−20 (−−−−) 80	2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304

		RESISTIVITY_PADB_DS) (----)
Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (----) 70
		2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADC (U−MEST_ RESISTIVITY_PADC_DS) (----)
Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (----) 60
		2.0125 2.6846 3.3567 4.0289 4.5329 5.0370 5.3731 5.7091 6.0452 6.3813 6.8854 7.3895 8.0616 9.0697 10.0779 12.4304 MEST_PADD (U−MEST_ RESISTIVITY_PADD_DS) (----)
Hole Azimuth (HAZIM) −40 (DEG) 360		Data Button 5 − Varies with RBS (U−MEST_RB5) −50 (----) 50
Pad One Azimuth (P1AZ_MEST) −40 (DEG) 360		Data Button 6 − Varies with RBS (U−MEST_RB6) −60 (----) 40
Relative Bearing (RB_MEST) −40 (DEG) 360		Data Button 7 − Varies with RBS (U−MEST_RB7) −70 (----) 30
		Data Button 8 − Varies with RBS (U−MEST_RB8) −80 (----) 20

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	MEST−B: Micro Electrical Scanner − B (Slim)		
AFMO	Accelerometer Filtering Mode	MOVING_AVERAGE	
ICMO	Inclinometry Computation Mode	AUTOMATIC_SELECTION	
MDEC	Magnetic Field Declination	1.6342	DEG
MLM	MEST Logging Mode	SCAN1800	
RBS	Resistivity Button Selection	AUTO	
XGAI	Gain	GAIN_2	
XOFF	Offset	OFFSET_0	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:200 Graphics File Created: 29−Sep−2021 18:52

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

Input DLIS Files

DEFAULT	FMS_DSI_NGS_023LUP	FN:27	PRODUCER	29−Sep−2021 17:29	3086.1 M	2823.1 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_029PUP	FN:37	PRODUCER	29−Sep−2021 18:52
RTB	FMS_DSI_NGS_029PUP	FN:38	PRODUCER	29−Sep−2021 18:52

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Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner − B (Slim) Wellsite Calibration − Caliper Calibration							
Before: Calibration out of date 13−Jun−2021 22:51							
Caliper 1 Zero Measurement	12.00	N/A	12.76	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.49	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.69	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.53	N/A	N/A	N/A	IN
Micro Electrical Scanner − B (Slim) Wellsite Calibration − CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 29−Sep−2021 14:24							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	743	N/A	N/A	N/A	
Micro Electrical Scanner − B (Slim) Wellsite Calibration − CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 29−Sep−2021 14:24							
TEMPERATURE REFERENCE :	N/A	N/A	23	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	3	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	9	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	507	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration − Detector 1 Check							
Master: Calibration out of date 2−May−2021 10:04 Before: 29−Sep−2021 7:58 After: 14−Sep−2021 22:38							
Na 511 Peak Loc	40.00	39.25	39.63	39.63	−0.003674	1.000	
Na 511 Peak Res	15.50	16.53	15.54	15.84	0.3026	2.000	%
High Voltage	1150	1197	1177	1173	−4.404	N/A	V
Na 1785 Peak Loc	142.6	141.8	143.9	142.7	−1.208	7.000	
Na 1785 Peak Res	8.500	8.905	8.301	8.480	0.1786	2.000	%
Temperature	15.50	26.59	12.68	13.00	0.3227	N/A	DEGC
Na Count Rate	45.00	12.01	10.35	10.37	0.02061	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration − Detector 2 Check							
Master: Calibration out of date 2−May−2021 10:04 Before: 29−Sep−2021 7:58 After: 14−Sep−2021 22:38							
Na 511 Peak Loc	40.00	39.88	39.68	39.56	−0.1237	1.000	
Na 511 Peak Res	15.50	15.29	16.81	15.93	−0.8812	2.000	%
High Voltage	1150	1122	1098	1095	−2.478	N/A	V
Na 1785 Peak Loc	142.6	142.6	143.5	139.6	−3.963	7.000	
Na 1785 Peak Res	8.500	8.040	8.635	9.609	0.9739	2.000	%
Temperature	15.50	27.21	13.36	14.41	1.048	N/A	DEGC
Na Count Rate	45.00	12.32	10.16	10.83	0.6710	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration − Ratio Of Detector 1 To Detector 2							
Master: Calibration out of date 2−May−2021 10:04 Before: 29−Sep−2021 7:58 After: 14−Sep−2021 22:38							
Coincidence Count Rate Ratio	1.000	0.9728	1.015	0.9572	−0.05808	0.05000	

Micro Electrical Scanner − B (Slim) / Equipment Identification

Primary Equipment:		
MEST Sonde − B	MEDS − B	724
MEST Preamplifier Cartridge − AB	MEPC − AB	806
GPIT Cartridge − AC	GPIC − AC	840
MEST Acquisition Cartridge − A	MEAC − A	804
Auxiliary Equipment:		
MEST−B Preamplifier Cartridge Housing	MEPH − A	701
MEST Acquisition Cartridge Housing (Slim	MEAH − B	769

Hostile Natural Gamma Ray Cartridge − B / Equipment Identification

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

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:		
HNGS Sonde	HNGS − BA	99
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH − BA	102
Gamma Source Radioactive	GSR − U	6098

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value
Master		39.25
Before		39.63
After		39.63
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)	

Phase	Na 511 Peak Res %	Value
Master		16.53
Before		15.54
After		15.84
	12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)	

Phase	High Voltage V	Value
Master		1197
Before		1177
After		1173
	900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	

Phase	Na 1785 Peak Loc	Value
Master		141.8
Before		143.9
After		142.7
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)	

Phase	Na 1785 Peak Res %	Value
Master		8.905
Before		8.301
After		8.480
	7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)	

Phase	Temperature DEGC	Value
Master		26.59
Before		12.68
After		13.00
	−28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	

Phase	Na Count Rate CPS	Value
Master		12.01
Before		10.35
After		10.37
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

Master: Calibration out of date 2−May−2021 10:04 Before: 29−Sep−2021 7:58 After: 14−Sep−2021 22:38

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value
Master		39.88
Before		39.68
After		39.56
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)	

Phase	Na 511 Peak Res %	Value
Master		15.29
Before		16.81
After		15.93
	12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)	

Phase	High Voltage V	Value
Master		1122
Before		1098
After		1095
	900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	

Phase	Na 1785 Peak Loc	Value
Master		142.6
Before		143.5
After		139.6
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)	

Phase	Na 1785 Peak Res %	Value
Master		8.040
Before		8.635
After		9.609
	7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)	

Phase	Temperature DEGC	Value
Master		27.21
Before		13.36
After		14.41
	−28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	

Phase	Na Count Rate CPS	Value
Master		12.32
Before		10.16
After		10.83
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)	

(Minimum)	(Nominal)	(Maximum)		

Master: Calibration out of date 2−May−2021 10:04 Before: 29−Sep−2021 7:58 After: 14−Sep−2021 22:38

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		0.9728
Before	BEFORE−AFTER LIMIT	1.015
After		0.9572

0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)

Master: Calibration out of date 2−May−2021 10:04

Before: 29−Sep−2021 7:58

After: 14−Sep−2021 22:38

DTS Telemetry Tool / Equipment Identification

Primary Equipment:		
DTC−H Auxiliary Cartridge	DTCH − A	8799
DTC−H Telemetry Cartridge	DTCH − A	8799
Auxiliary Equipment:		
DTCH Telemetry Cartridge Housing	ECH − KC	9842

Company: **International Ocean Discovery Program**

Schlumberger

Well: **Expedition 396, Site U1574A**
Field: **Mid−Norwegian Cont. Margin Magmatism**
Rig: **JOIDES Resolution**
Country: **Iceland**

Dipole Sonic Imager (DSI)
Formation Micro−Scanner (FMS)