Schlumberger

Company: **International Ocean Discovery Program**

Well: **Expedition 396, Site U1567A**
Field: **Mid−Norwegian Cont. Margin Magmatism**
Rig: **JOIDES Resolution** Country: **Iceland**

Rig: JOIDES Resolution
Field: Mid−Norwegian Cont. Margin Ma
Location: Latitude: N 65.36419
Well: Expedition 396, Site U1567A
Company: International Ocean Discovery Pr

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

LOCATION

Latitude: N 65.36419
Longitude: E 3.05427

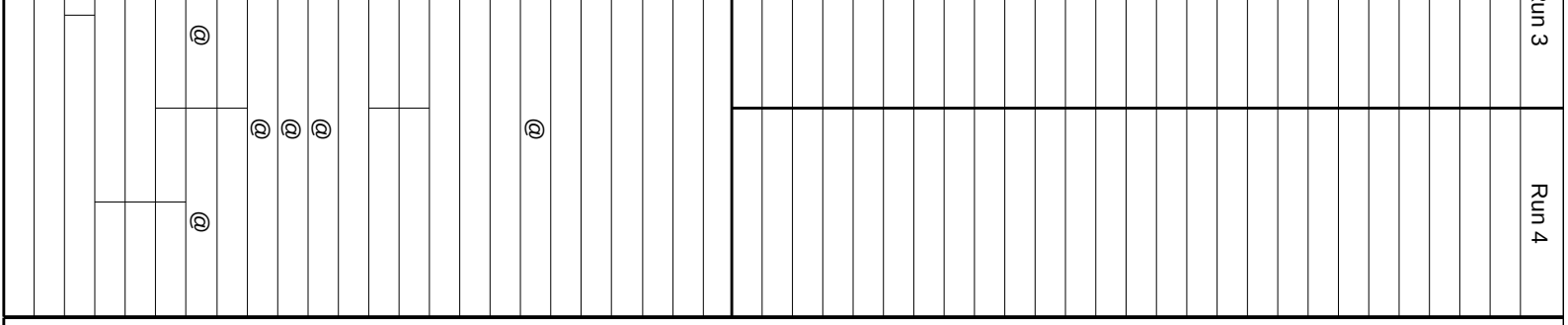
Elev.: K.B. 0.00 m
G.L. −1714.50 m
D.F. 0.00 m

Permanent Datum: Sea Floor — Elev.: 1714.50 m
Log Measured From: Rig Floor — −1714.50 m above Perm. Datum
Drilling Measured From: Rig Floor

Ocean:	Max. Well Deviation	Longitude	Latitude
Atlantic	5 deg	E 3.05427	N 65.36419

	Run 1	Run 2	Run 3
Logging Date	23−Aug−2021		
Run Number	2		
Depth Driller	1910.4 m		
Schlumberger Depth	1911 m		
Bottom Log Interval	1910 m		
Top Log Interval	1713 m		
Casing Driller Size @ Depth	5.500 in @ 1714.5 m	@	@
Casing Schlumberger	1713 m		
Bit Size	11.438 in		
Type Fluid In Hole	Sepeolite WBM		
MUD Density / Viscosity	1.1 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	22−Aug−2021 / 19:00		
Logger On Bottom / Time	23−Aug−2021 / 3:10		
Unit Number / Location	627314 / Larose, LA	/	/
Recorded By	C. Furman		
Witnessed By	S. Midgley		

	Run 4	Run 5	Run 6
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			



DISCLAIMER

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OTHER SERVICES1

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

OTHER SERVICES2

REMARKS: RUN NUMBER 1

Hole drilled with APC/XCB bottom hole assembly (BHA) at 11.4375" BS

Drill pipe set at 1798mbrf (84mbsf) for logging.

Fluid type was weighted mud, 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.

DSI Modes: UD=Std., LD=LF, P&S=Std, Stoneley=Std.

Caliper closed at 1835mbrf; no valid density or caliper measurements above that depth.

Pipe raised during second pass as per client request to record maximum possible interval.

EMEX off and Calipers closed at 1825mbrf on main pass (pipe moved up 10m at start of pass)

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

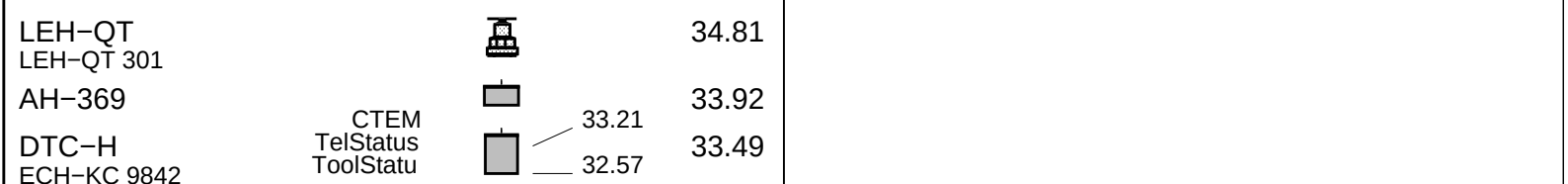
EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

GSR−U 6098
WITM (DTS)−A

DOWNHOLE EQUIPMENT



RUN 2

HNGS−BA
HNGS−BA 99
HNSH−BA 102

Upper_1 31.87
Lower_2 31.66

32.57

HNGC−B
HNGH−A 3

HNGC Stat 29.54

30.07

AH−MCD
AH−MCD 82

29.01

DSST−B
SPAC−B 8194
ECH−SD 8183
SMDR−BD 8232
SSIJ−BA 8192
SMDX−AA 8194

26.73

PWF 11.18

AH−MCD1
AH−MCD1 1

11.18

DTA−A
ECH−KE 8456

8.90

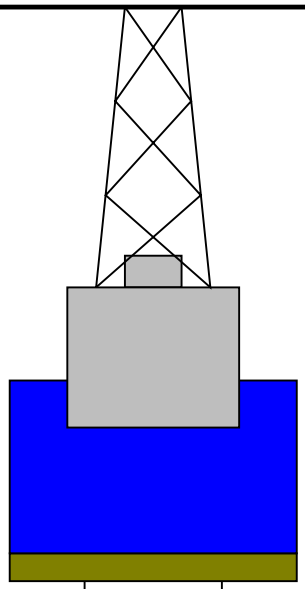
MEST−B
MEAH−B 769
MEAC−A 804
MEPH−A 701
GPIC−AC 840
MEPC−AB 806
MEDS−B 724

7.68

MEDR MEAC
MEPC MEDS−B 0.46
HV DF
Tension GPIT 0.00
TOOL ZERO

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		MD	OD	ID	
Kelly Bushing Elevation			0.0					
Derrick Floor Elevation			0.0					
Mean Sea Level			11.1					
					0.0	5.500	4.125	
					1714.5	11.438		Sea Floor
					1798.0	5.500	4.125	Pipe
					1910.4	11.438		Driller's TD

Schlumberger

Downlog

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_028LUP		PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 M
RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 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

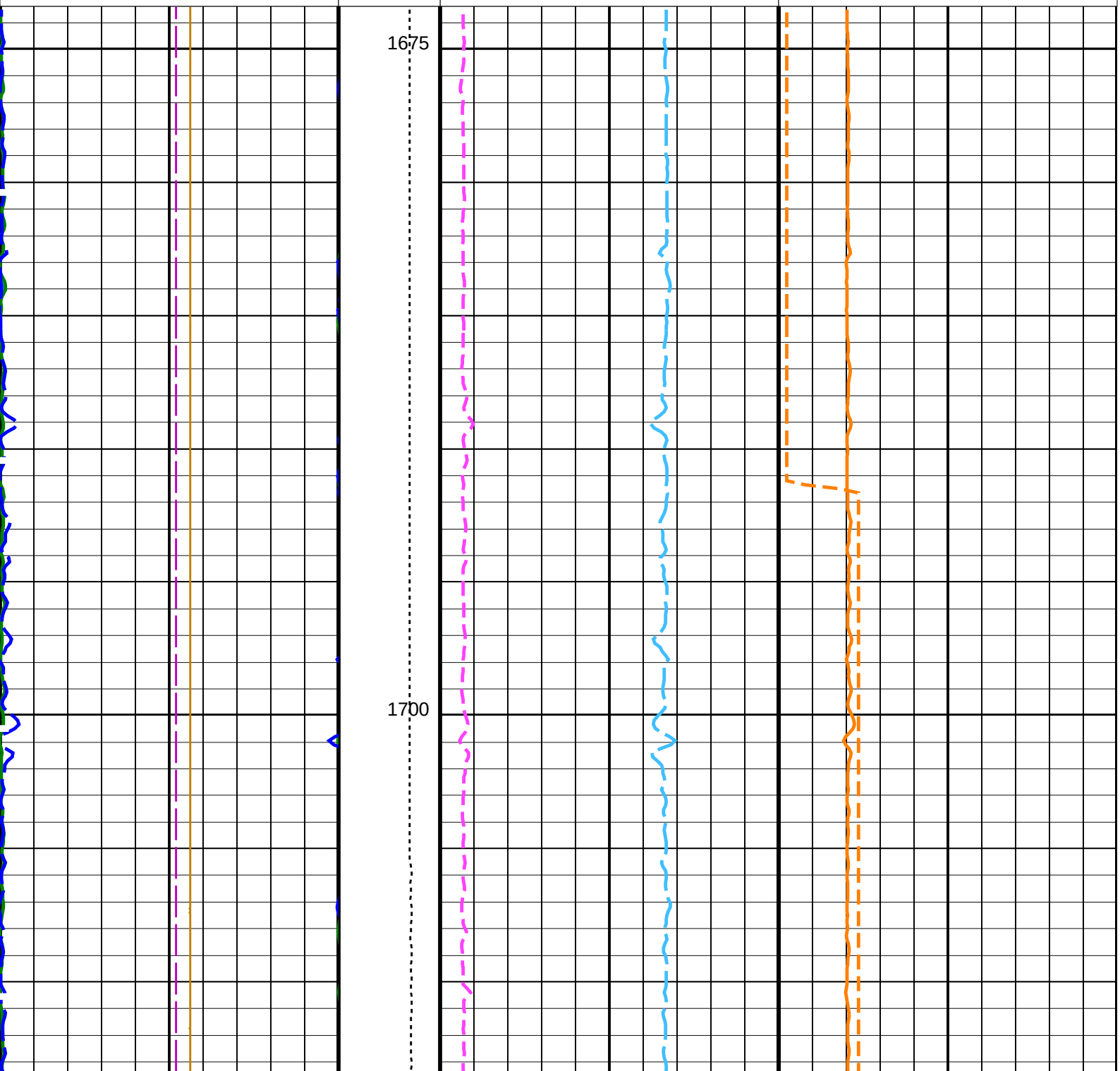
HNGS Uranium (HURA)
−5 (PPM) 10

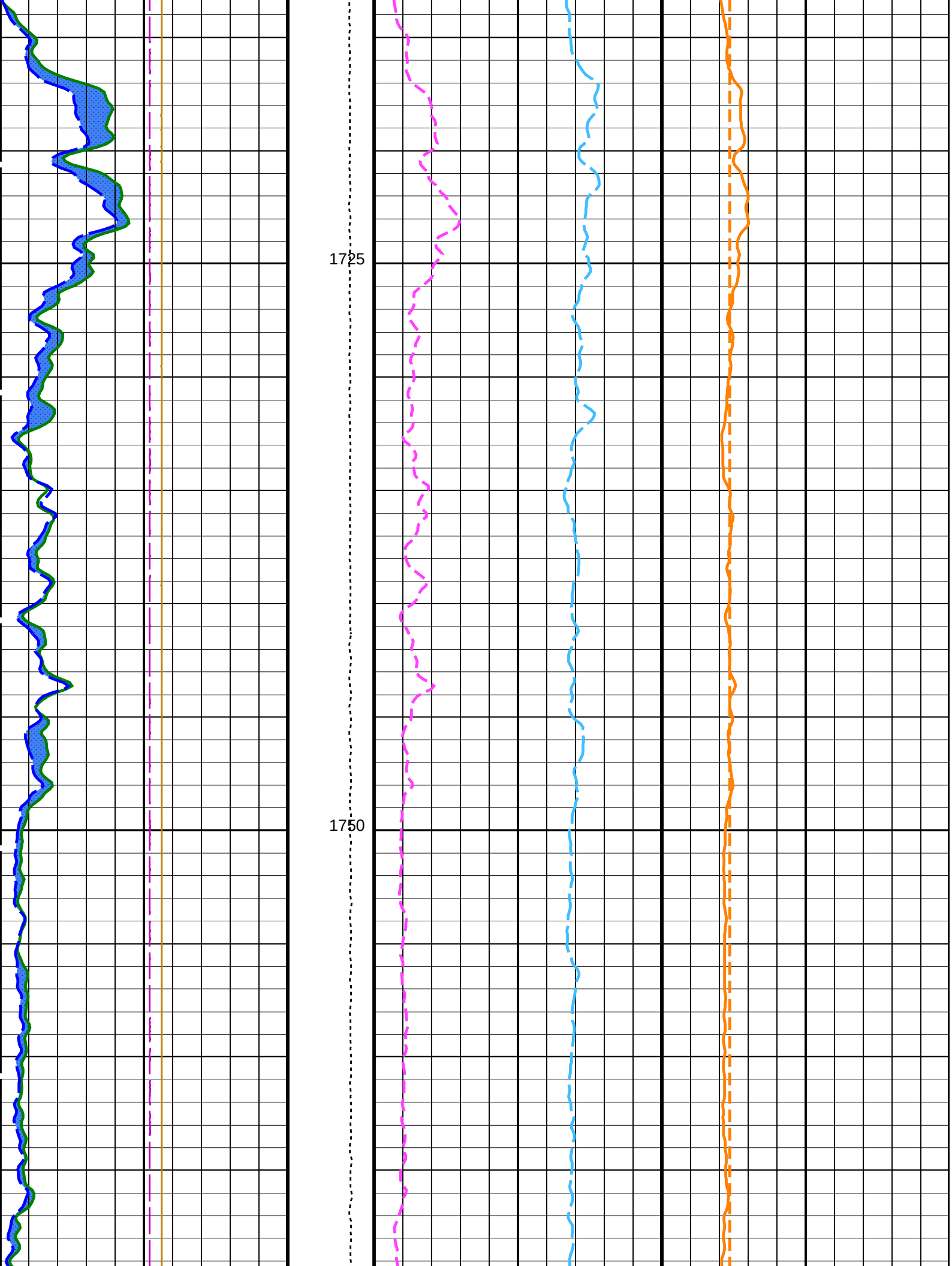
Caliper 1 (C1)
6 (IN) 16

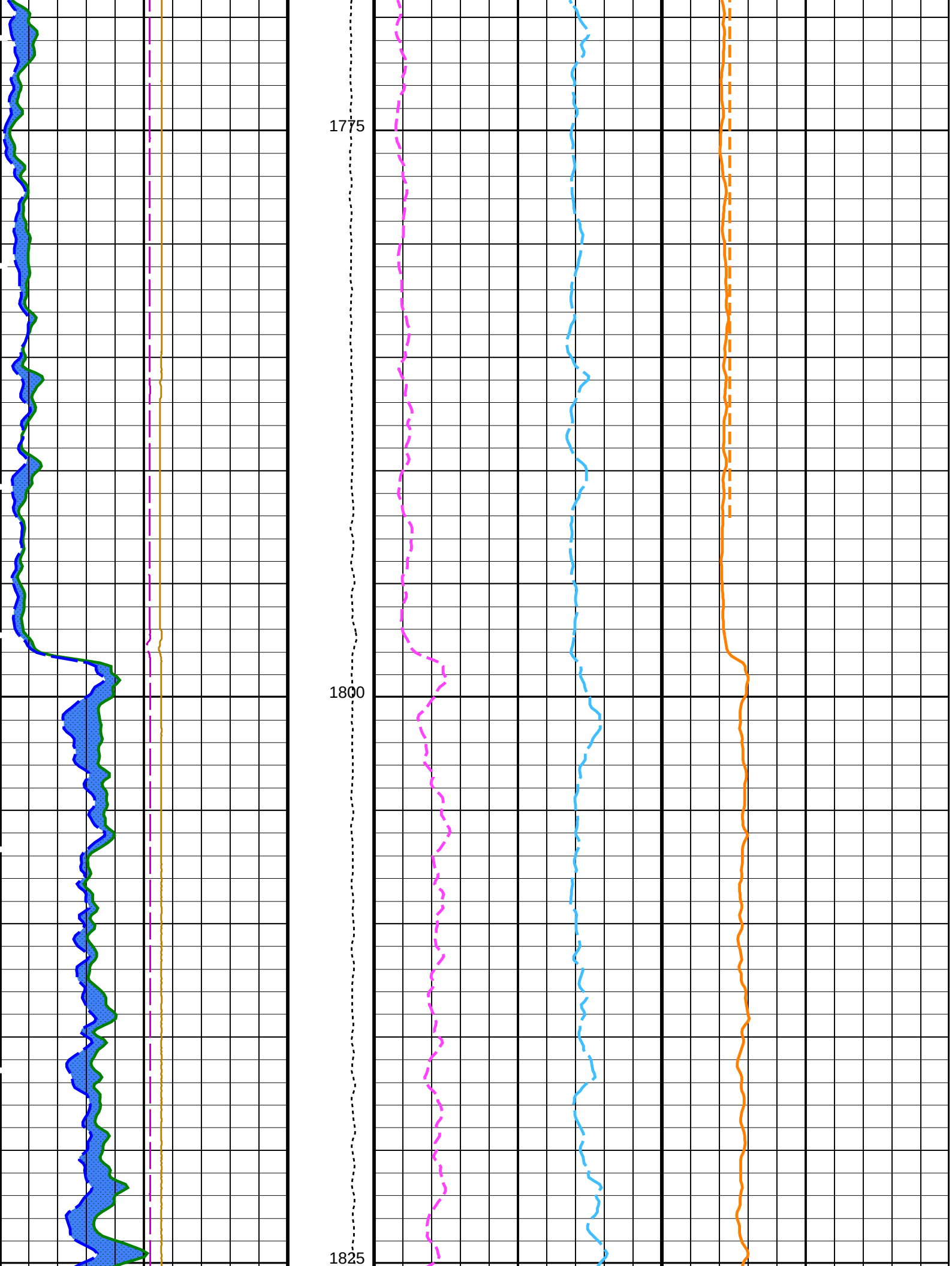
Tension (TENS) (LBF)
10000 0

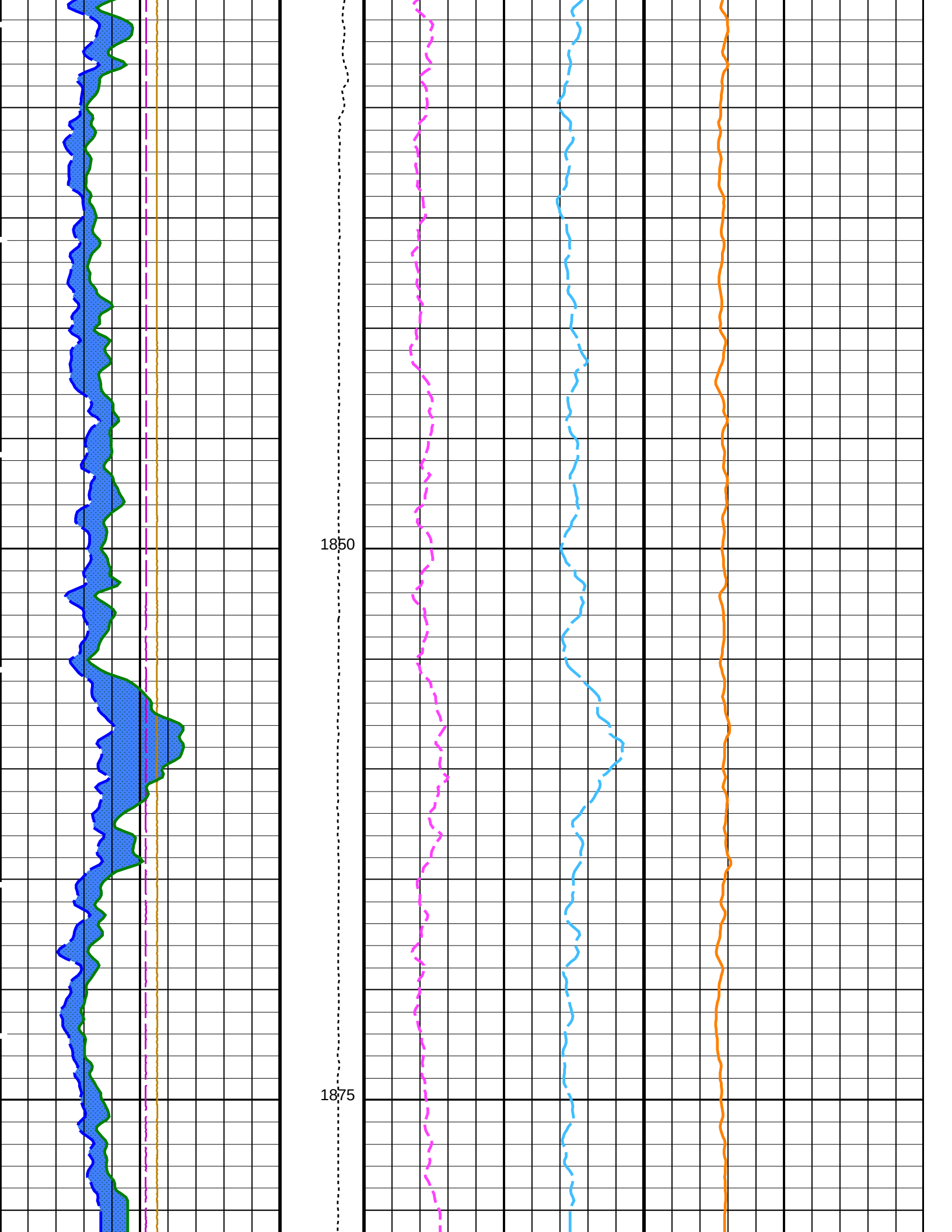
HNGS Thorium (HTHO)
−1 (PPM) 14

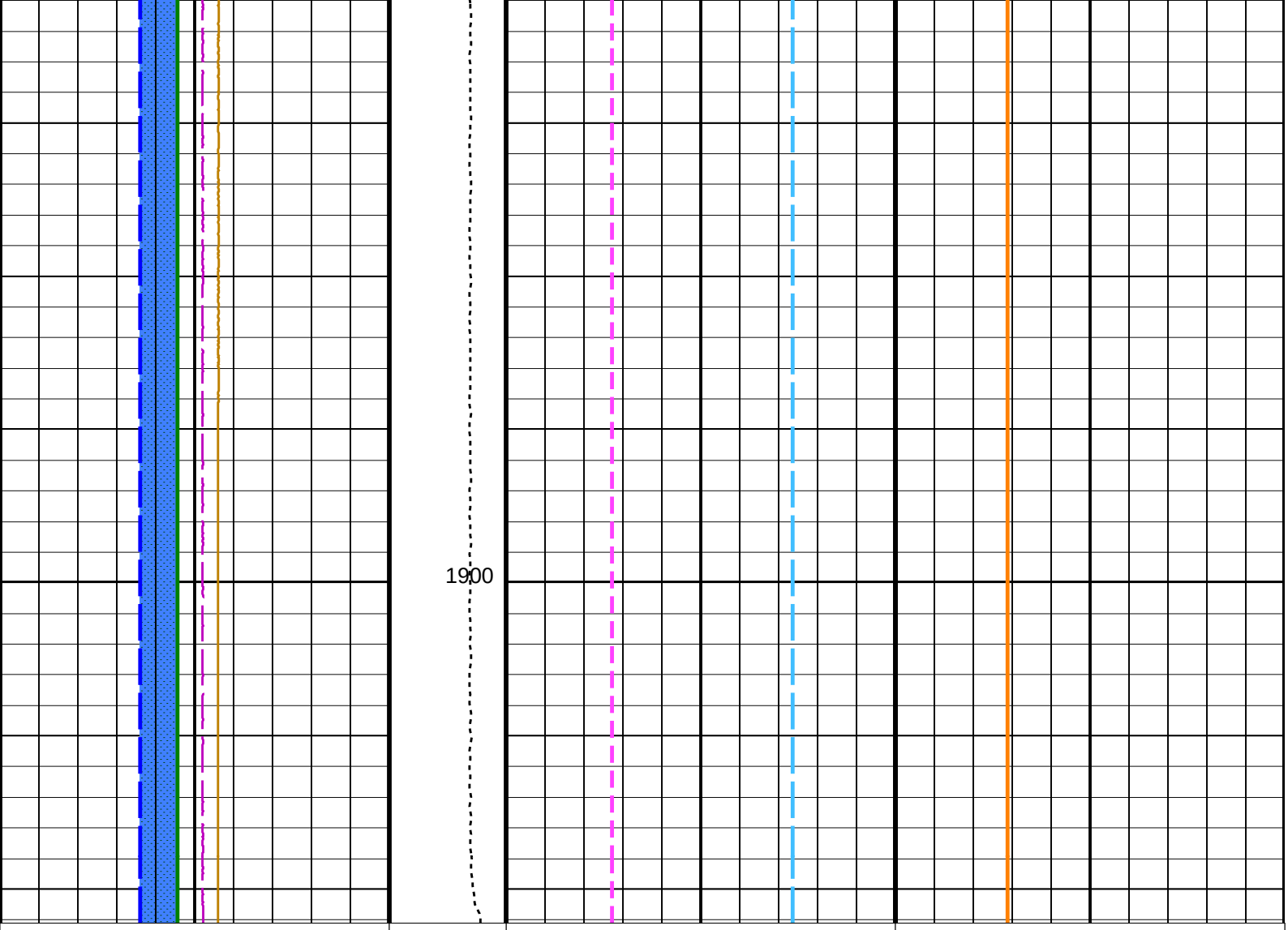
HNGS Potassium (HFK)
−0.01 (−−−−) 0.04




1725
1750


1775
1800
1825


1850
1875



Caliper 1 (C1)
6 (IN) 16

Tension (TENS) (LBF)
10000 0

HNGS Thorium (HTHO)
−1 (PPM) 14

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

Caliper 2 (C2)
6 (IN) 16

HNGS Uranium (HURA)
−5 (PPM) 10

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

HNGS Borehole Potassium (HBHK)
−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	−0.0371709	
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	0.942872	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.940025	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 23−Aug−2021 04:31

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_028LUP	PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31		
RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31		

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_028LUP	PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 M
RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 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

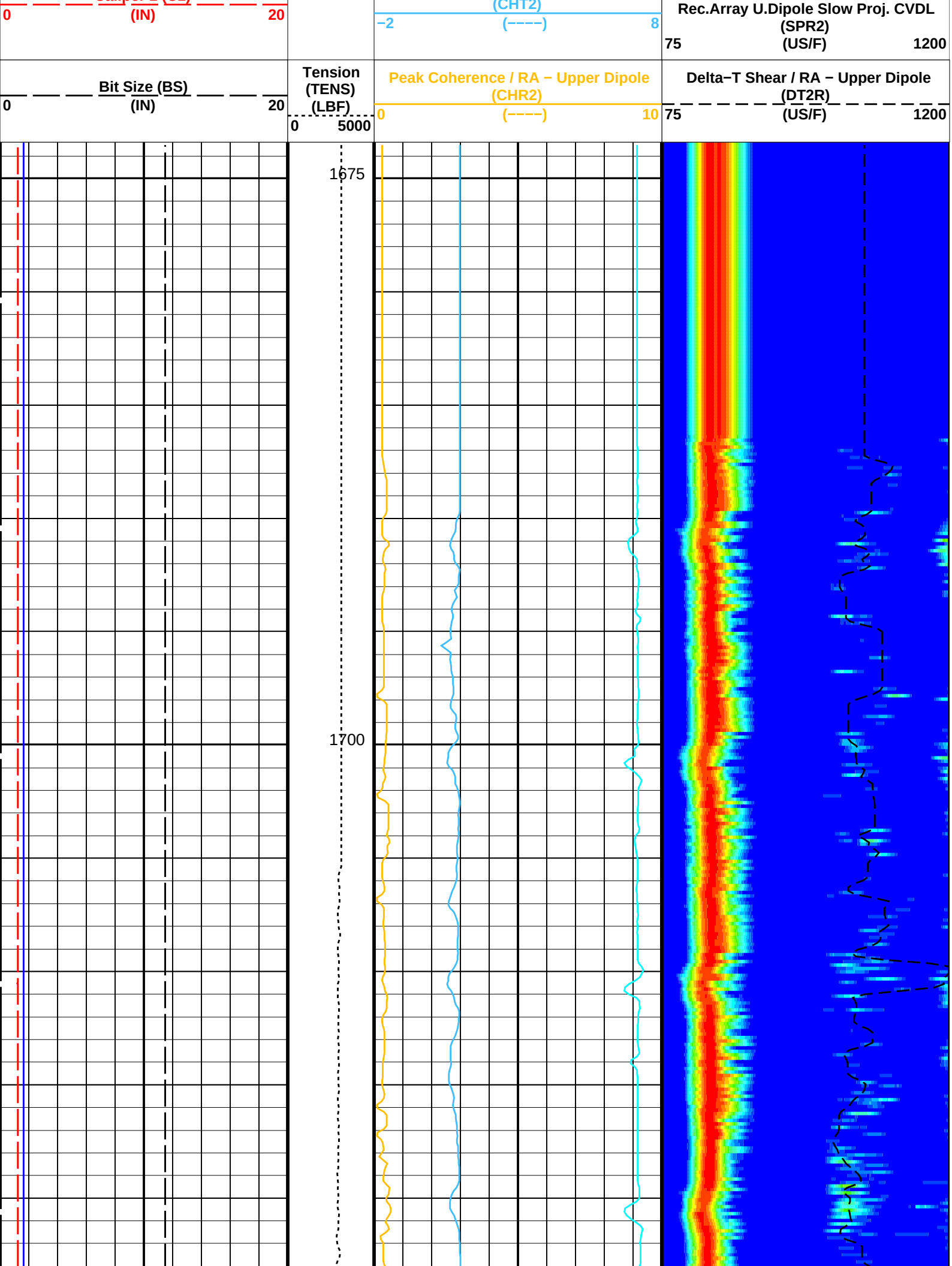
Changed Parameter Summary

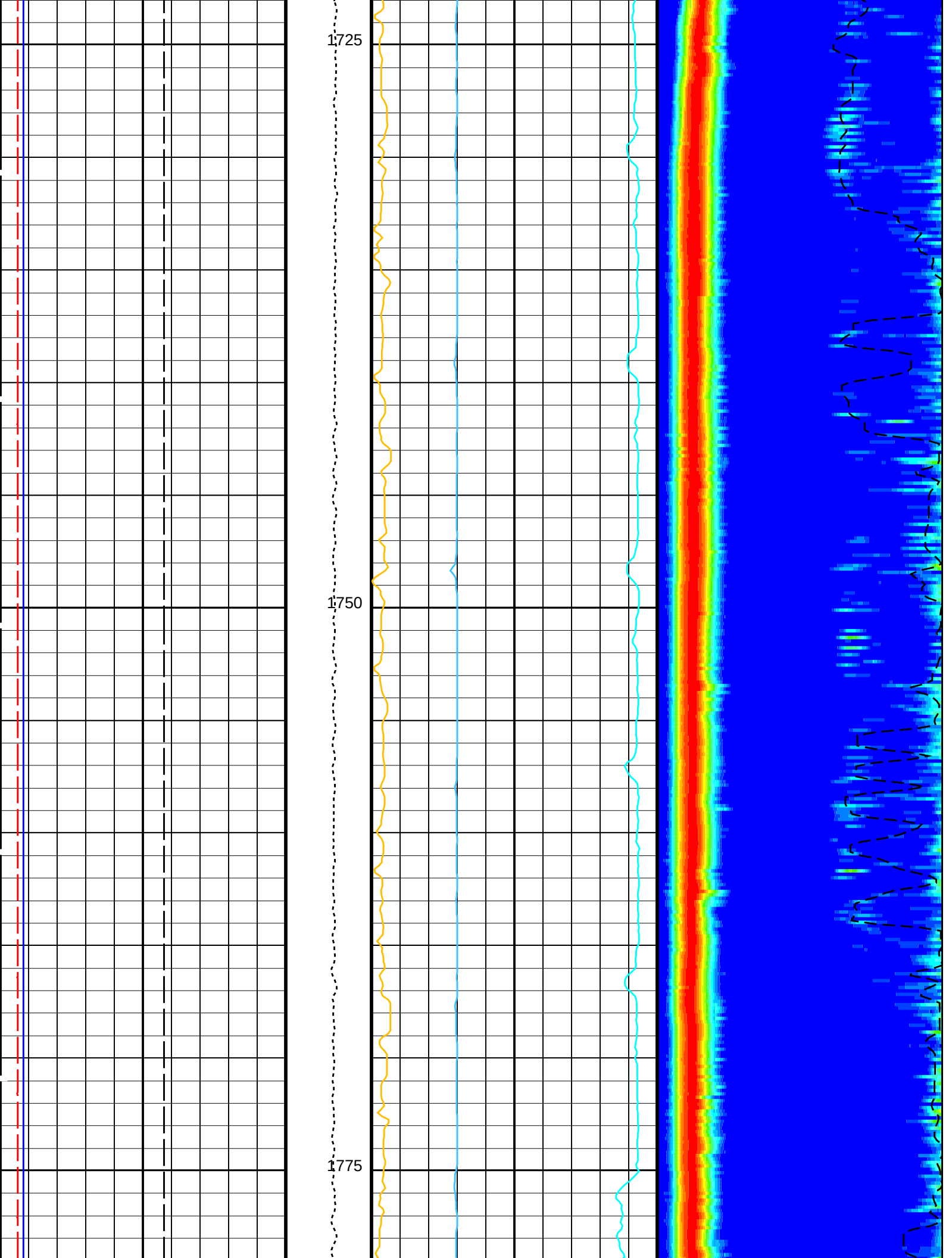
DLIS Name	New Value	Previous Value	Depth & Time
DSHL	600 US/F	75 US/F	1911.1 04:31:14
	75 US/F	600 US/F	1797.9 04:31:32

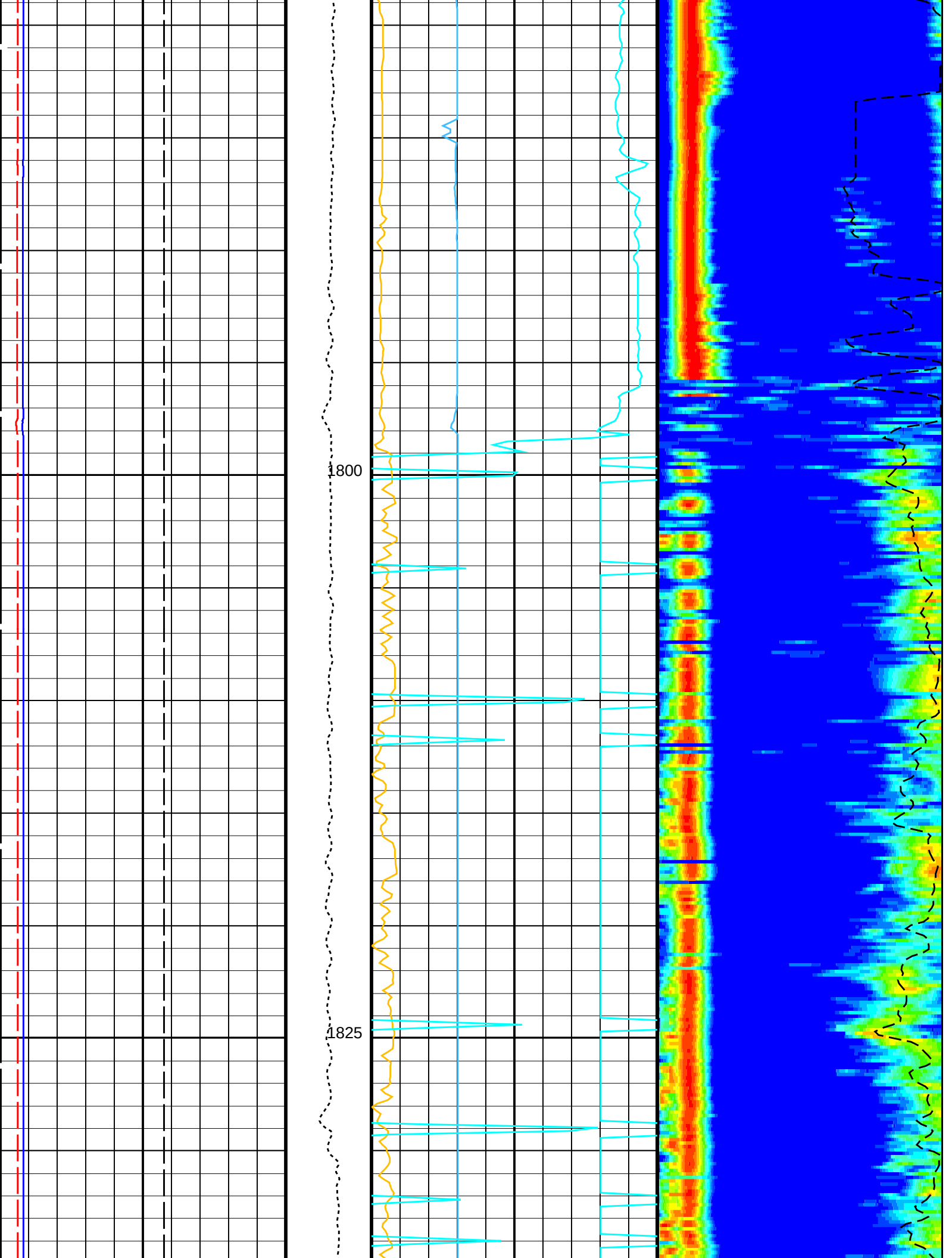
PIP SUMMARY

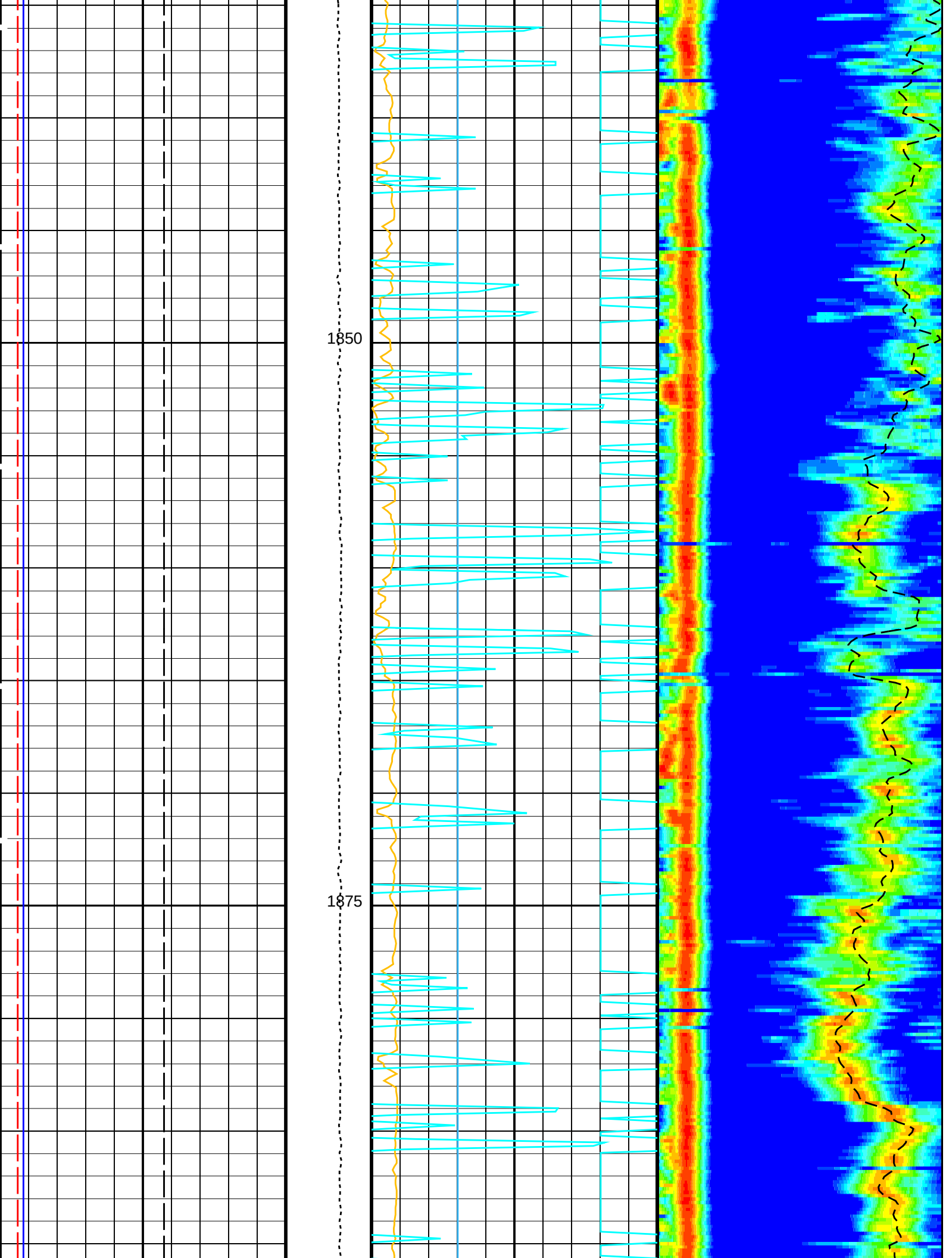
Time Mark Every 60 S

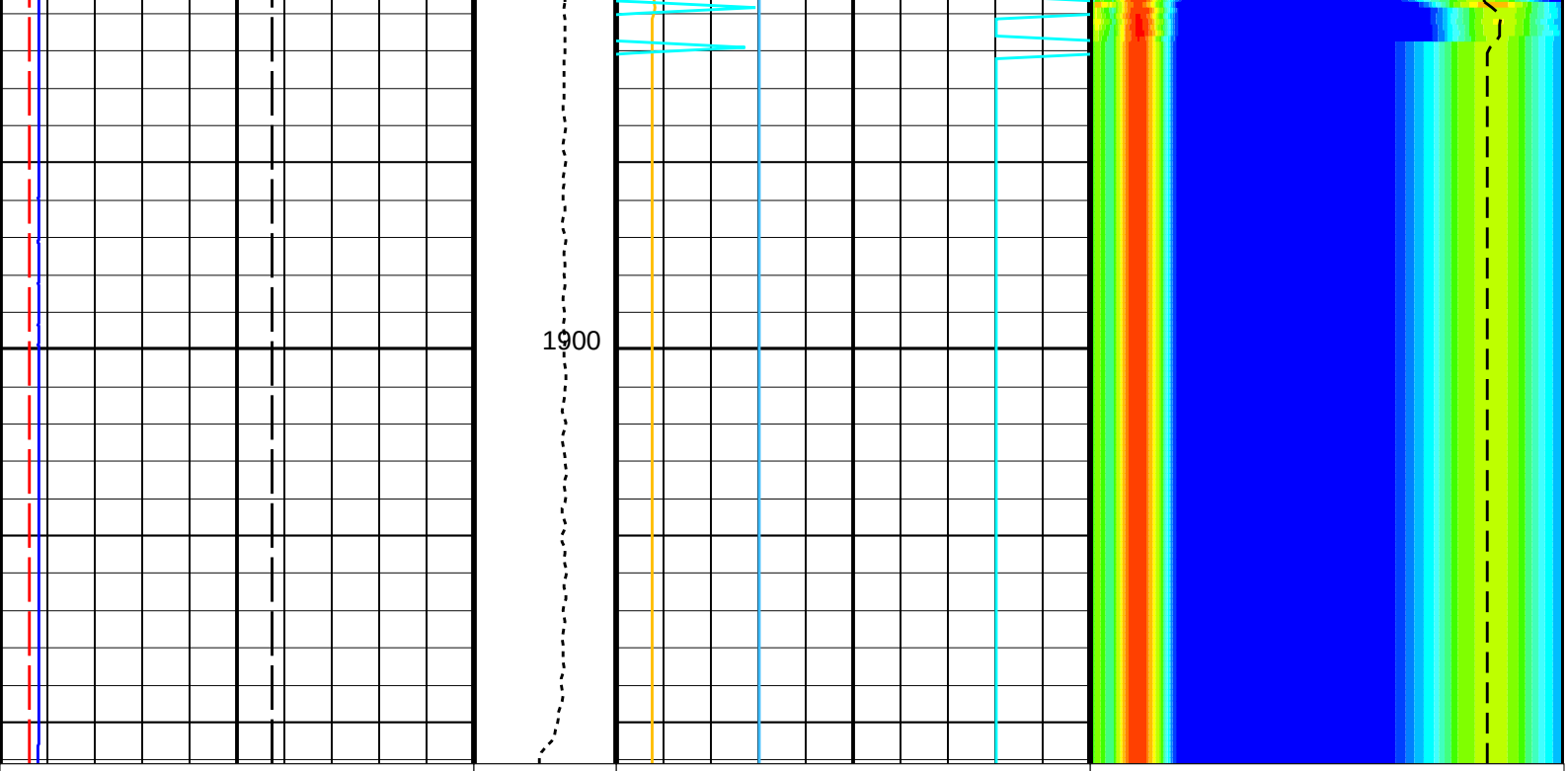
Caliper 2 (C2)		Sonic Velocity (SVEL)
0 (IN) 20		1000 (M/S) 6000
Caliper 1 (C1)		Peak Coherence / TA − Upper Dipole
		Min Amplitude Max


0
(IN)
20
(CHT2)
−2
(−−−−)
8
Rec.Array U.Dipole Slow Proj. CVDL
(SPR2)
75
(US/F)
1200
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
1675
1700


1725
1750
1775


1800
1825


1850
1875



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

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	75	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 − Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status − Upper Dipole	255	
SBO2	STC Search Band Offset − Upper Dipole	3000	US
SBW2	STC Search Bandwidth − Upper Dipole	8000	US
SFC2	STC Formation Character − Upper Dipole	SELECTABLE	
SFM2	STC Filter − Upper Dipole	B1−2K	

SLL2	STC Slowness Lower Limit − Upper Dipole	40	US/F
SST2	STC Slowness Step − Upper Dipole	4	US/F
SSW2	STC Source Waveform − Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit − Upper Dipole	1400	US/F
SWD2	STC Slowness Width − Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill − Upper Dipole	0	US
TLL2	STC Time Lower Limit − Upper Dipole	600	US
TST2	STC Time Step − Upper Dipole	200	US
TUL2	STC Time Upper Limit − Upper Dipole	20440	US
TWD2	STC Time Width − Upper Dipole	2000	US
TWI2	STC Integration Time Window − Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23−Aug−2021 04:31

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_028LUP	PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31		
RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31		

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_028LUP	PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 M
RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 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

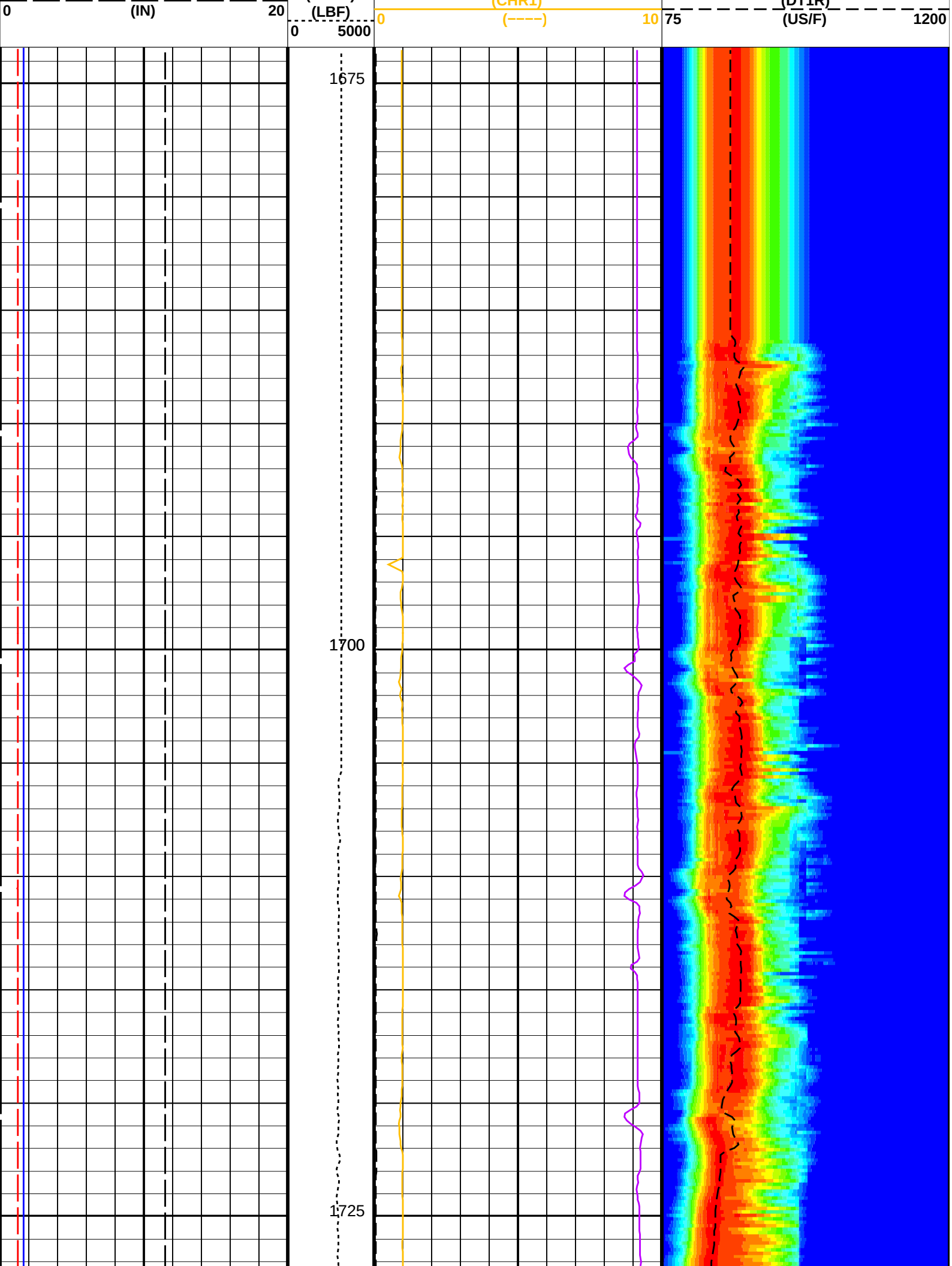
Changed Parameter Summary

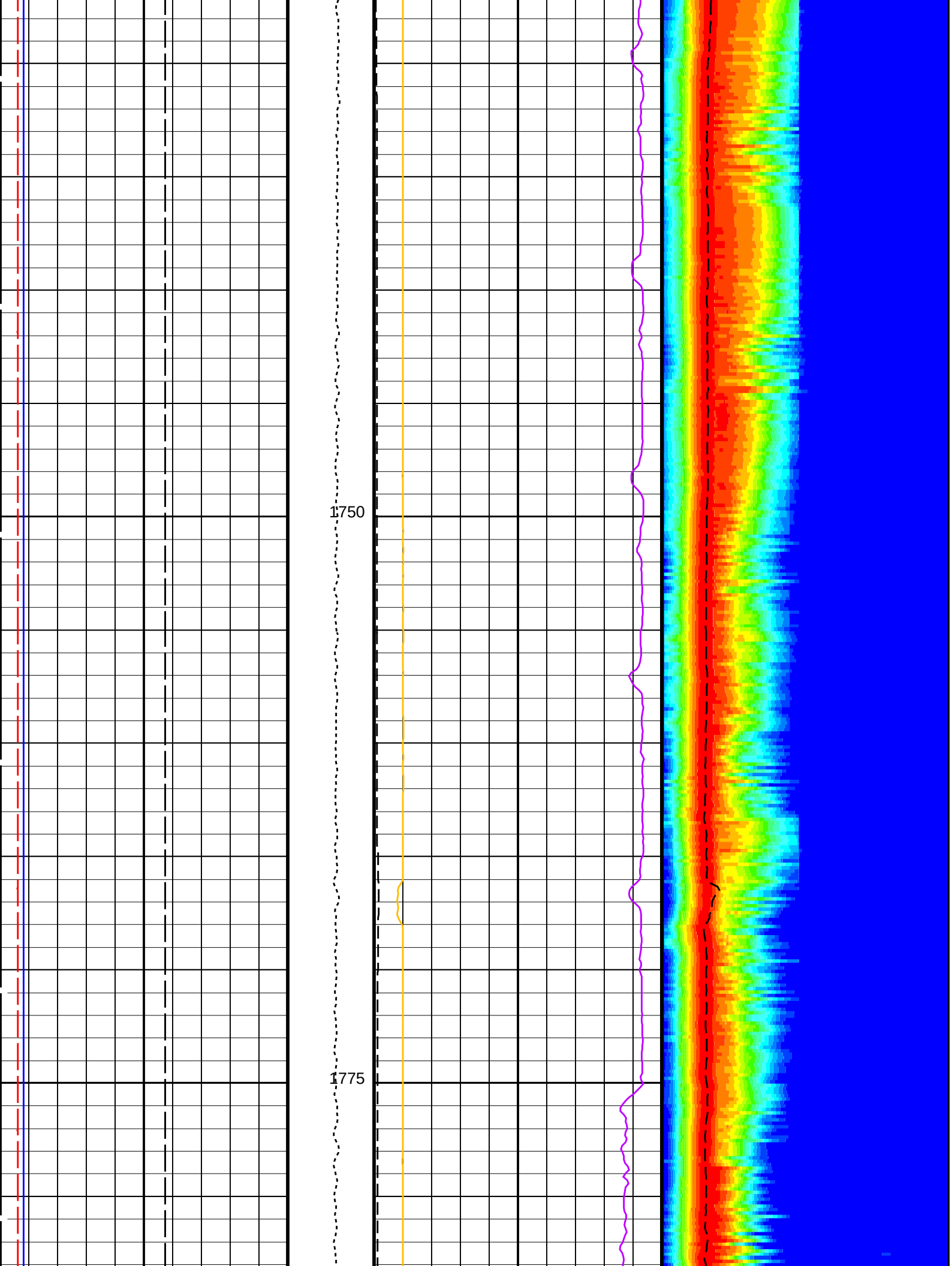
DLIS Name	New Value	Previous Value	Depth & Time
DSHL	600 US/F	75 US/F	1911.1 04:31:14
	75 US/F	600 US/F	1797.9 04:31:32

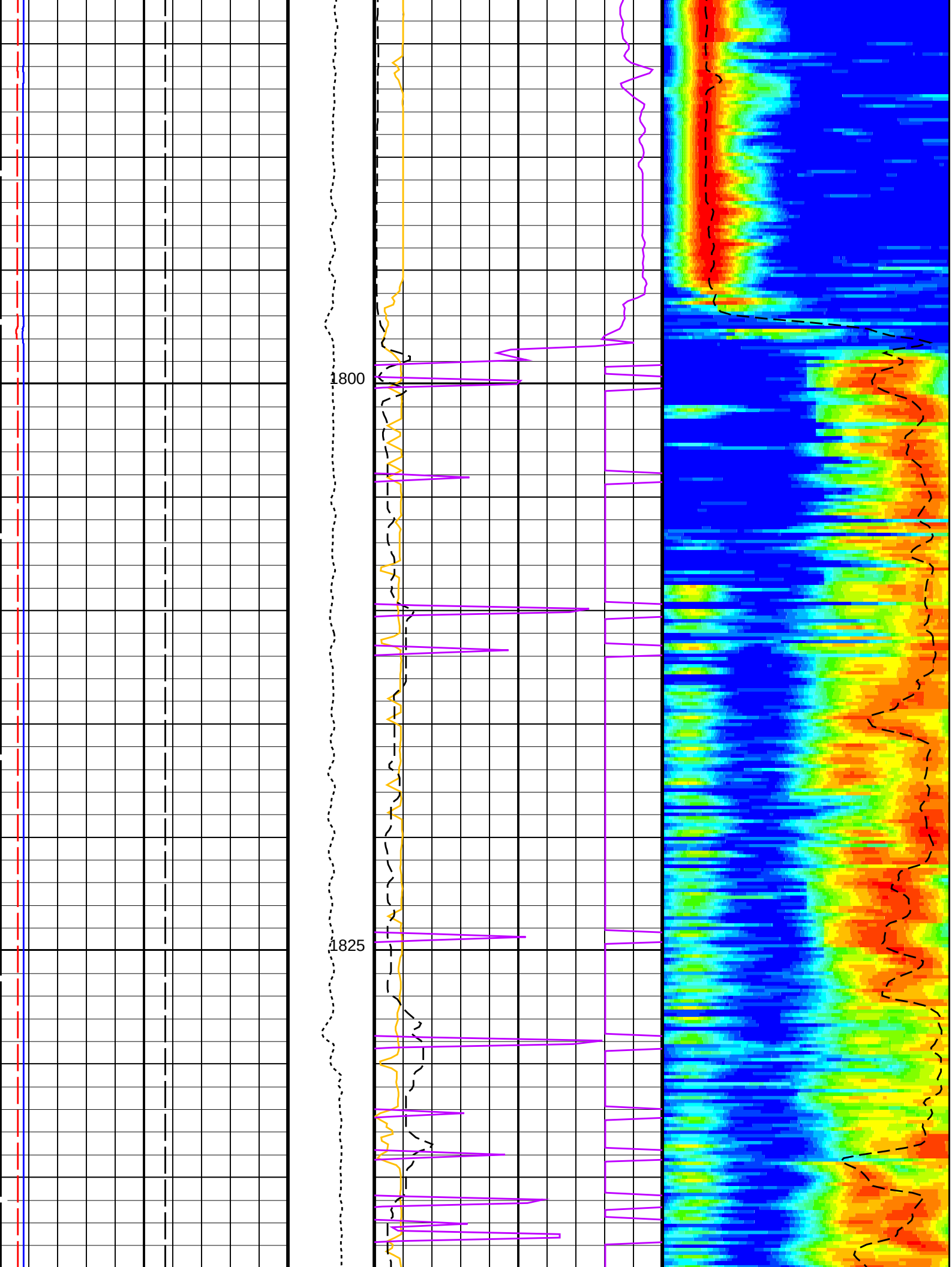
PIP SUMMARY

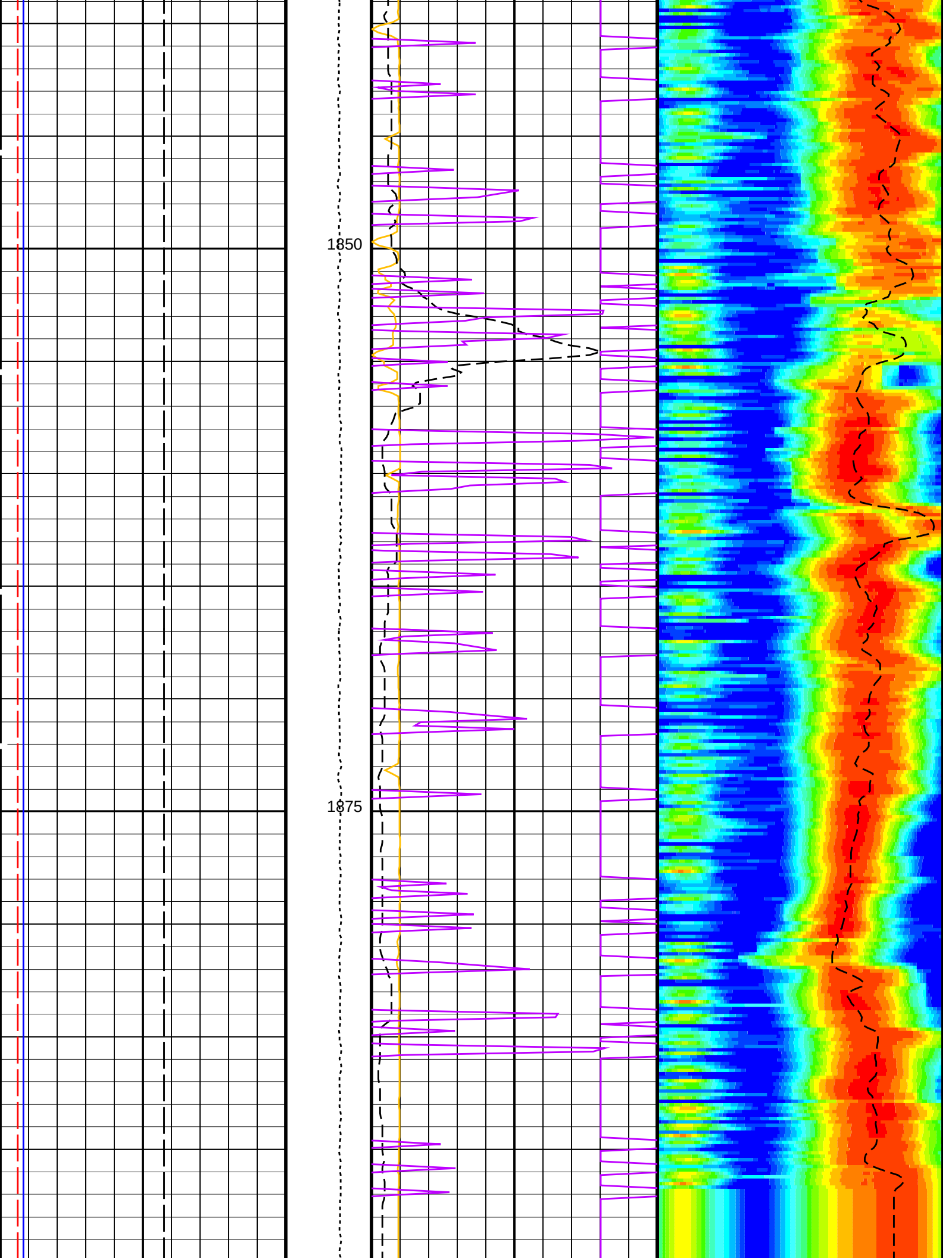
Time Mark Every 60 S

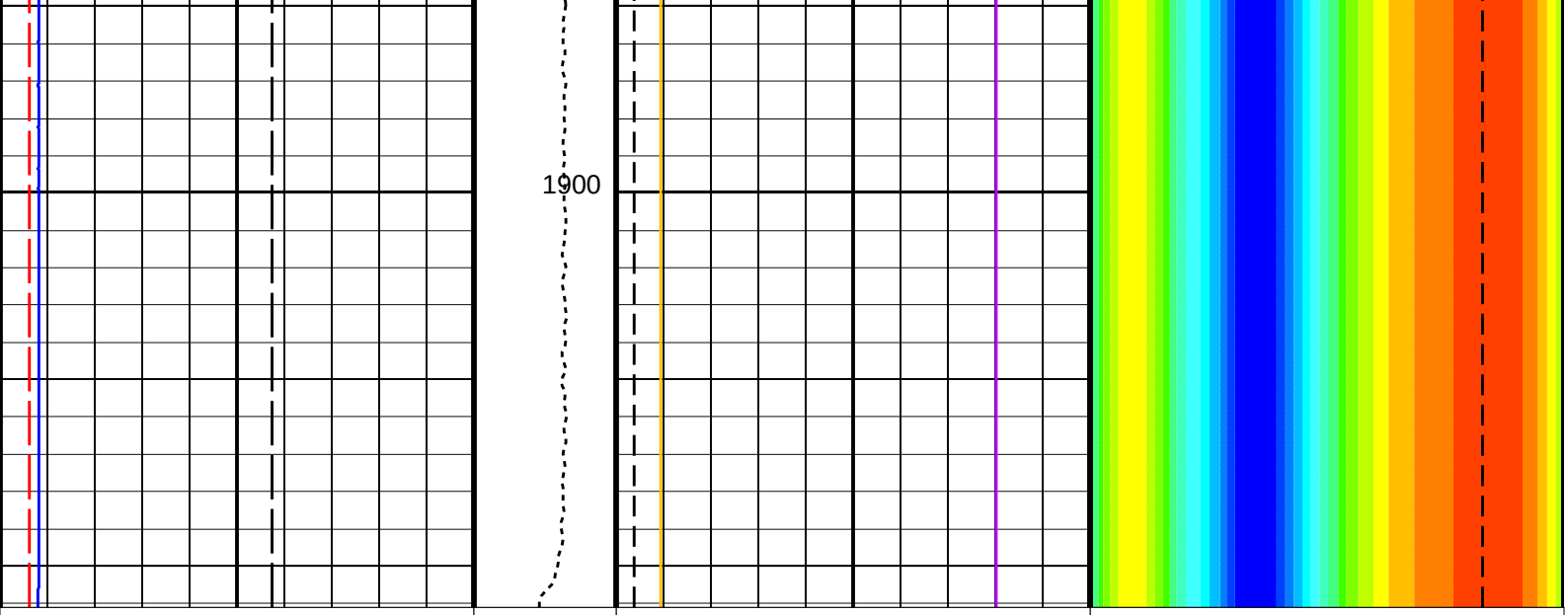
Caliper 1 (C1) 0 (IN) 20		Sonic Velocity (SVEL) 1000 (M/S) 6000	
Caliper 2 (C2) 0 (IN) 20		SAM1 Waveform Gain (WFG1) 0 (−−−−) 1000	Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) 75 (US/F) 1200
Bit Size (BS)	Tension (TENS)	Peak Coherence / RA − Lower Dipole (CHR1)	Delta−T Shear / RA − Lower Dipole (DT1R)


0
(IN)
20
(LBF)
0
5000
(CHR1)
0
(----)
10
(DT1R)
75
(US/F)
1200
1675
1700
1725


1750
1775


1800
1825


1850
1875



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	75	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status − Lower Dipole	255	
SBO1	STC Search Band Offset − Lower Dipole	3000	US
SBW1	STC Search Bandwidth − Lower Dipole	8000	US
SFC1	STC Formation Character − Lower Dipole	SELECTABLE	
SFM1	STC Filter − Lower Dipole	B.3−1.5K	
SLL1	STC Slowness Lower Limit − Lower Dipole	40	US/F
SST1	STC Slowness Step − Lower Dipole	4	US/F
SSW1	STC Source Waveform − Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit − Lower Dipole	1400	US/F
SWD1	STC Slowness Width − Lower Dipole	40	US/F
TBE1	STC Time for Baseline Fill − Lower Dipole	0	US

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	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 23−Aug−2021 04:31**

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_028LUP	PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31		
RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31		

Company: International Ocean Discovery Program **Well: Expedition 396, Site U1567A**

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_028LUP	PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

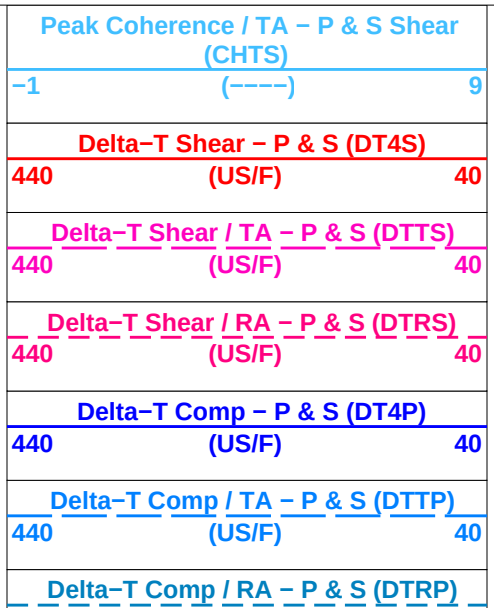
DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 M
RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 M

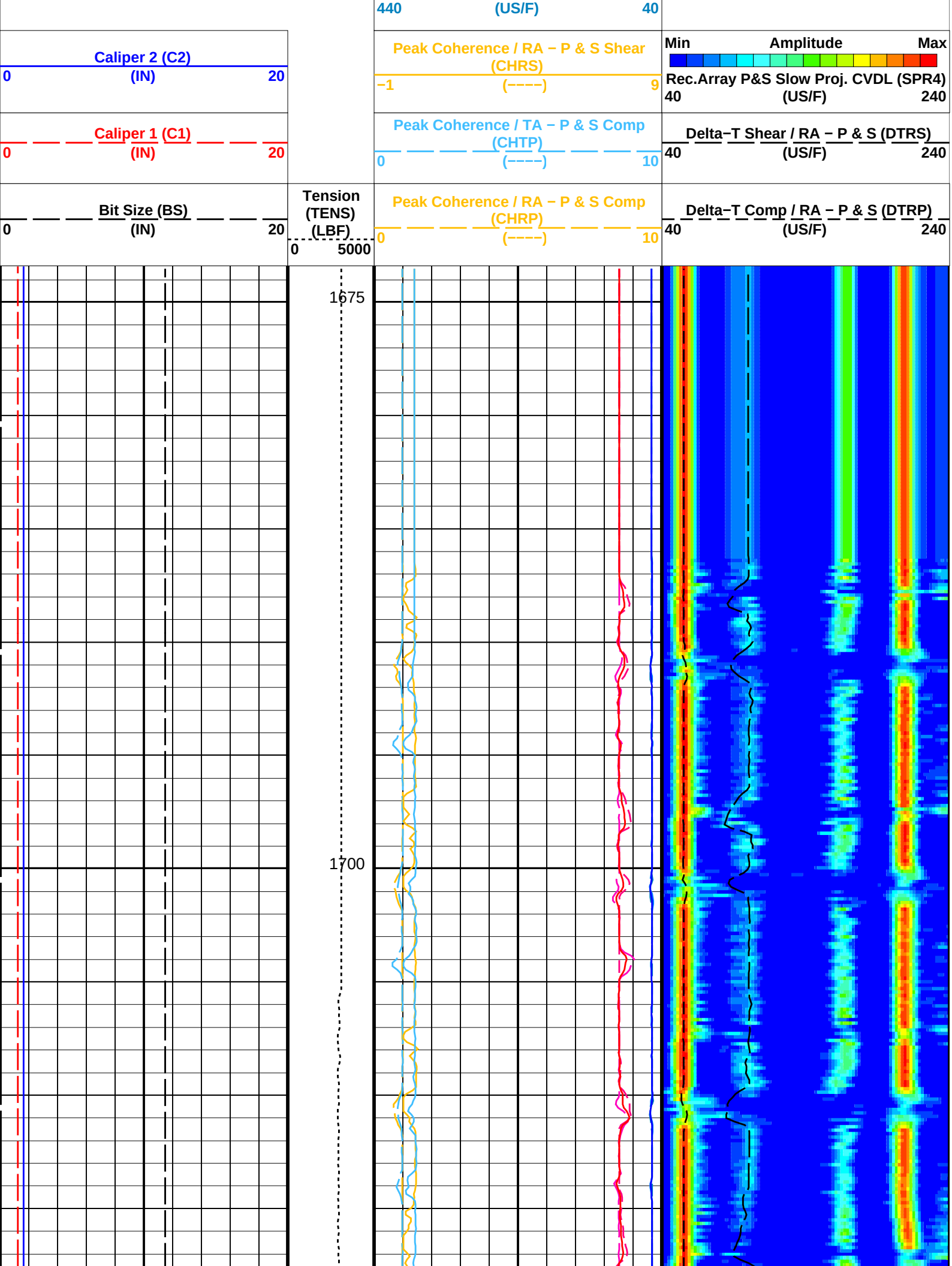
OP System Version: 19C0−187

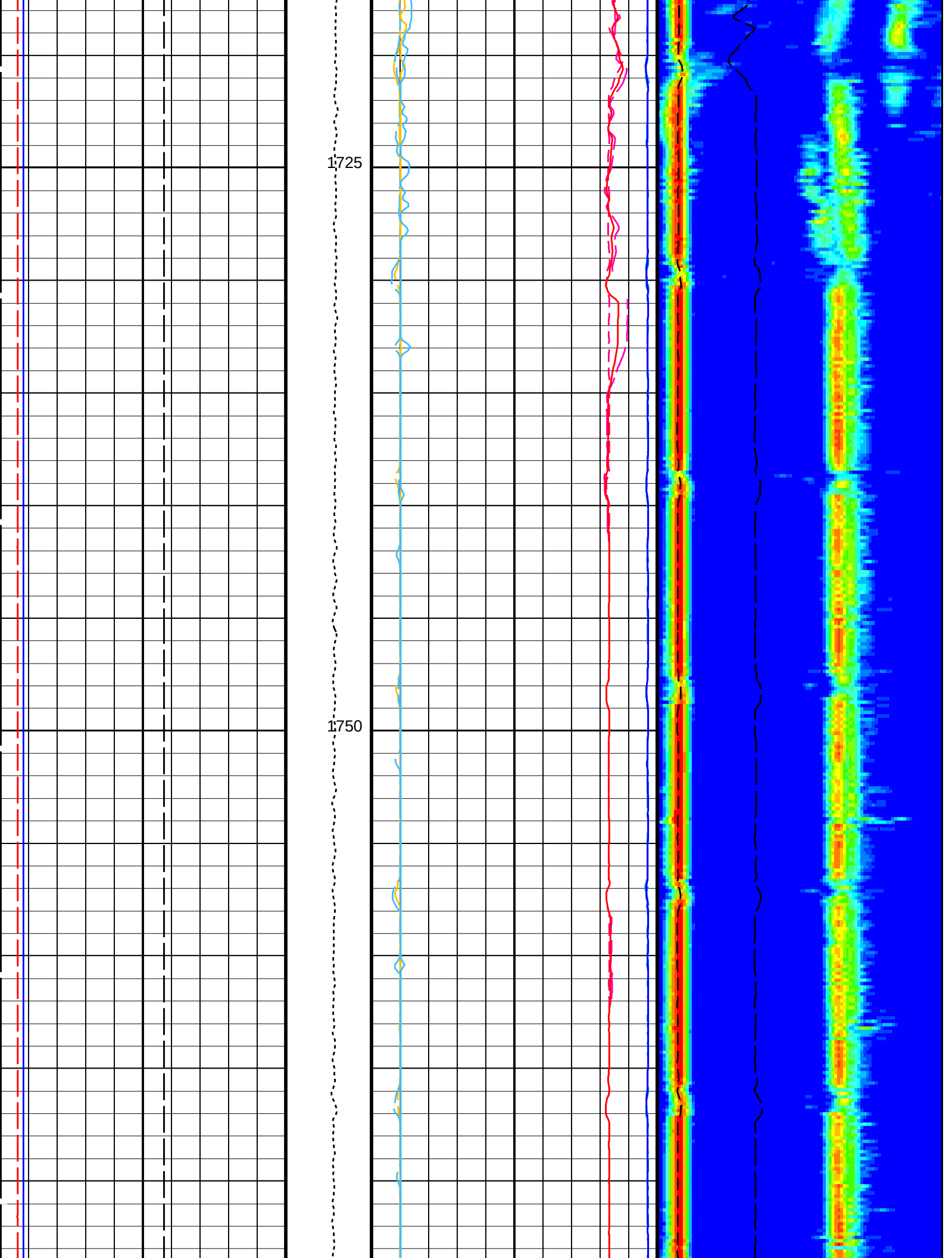
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S




440 (US/F) 40
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
1675
1700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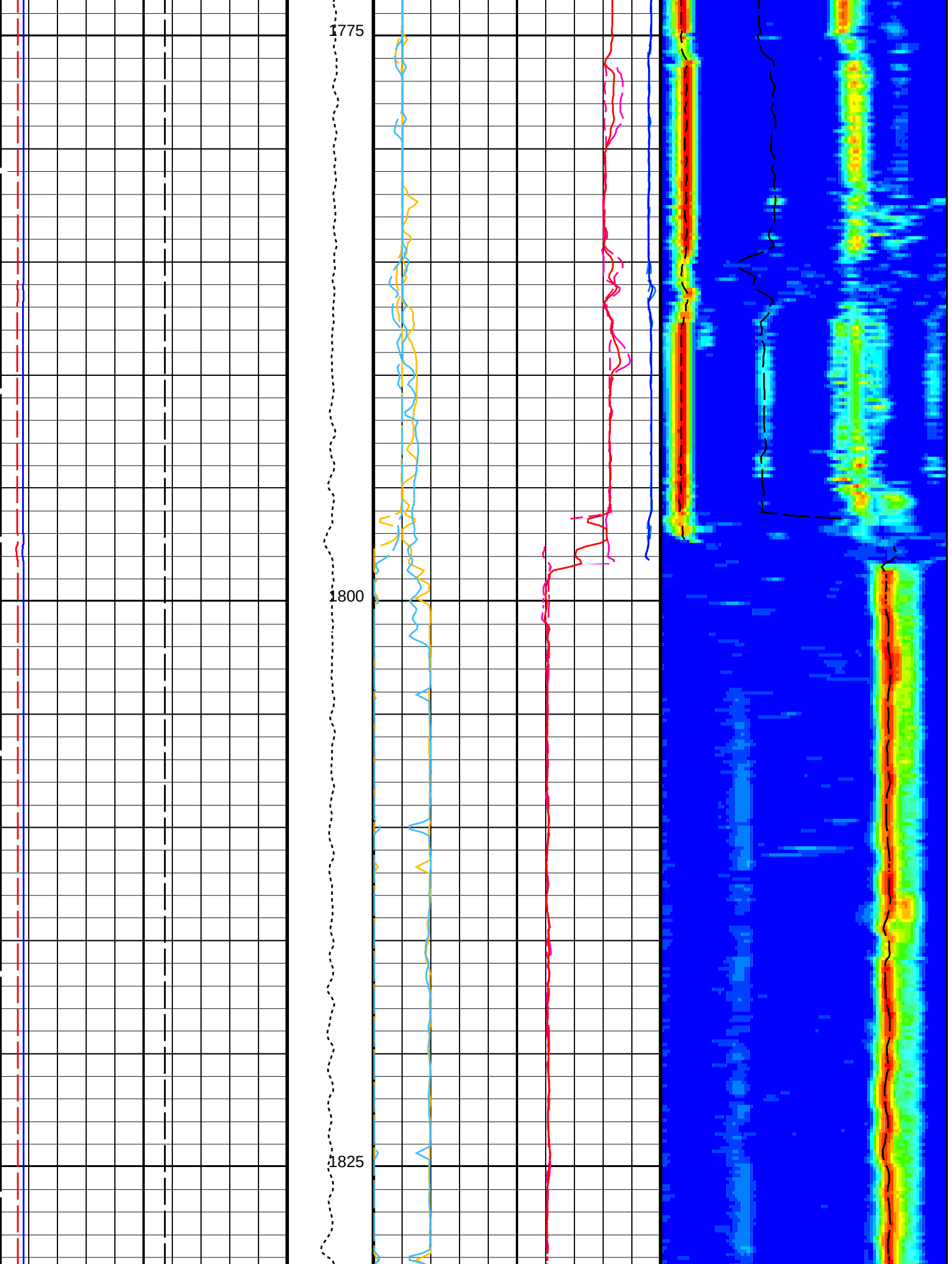
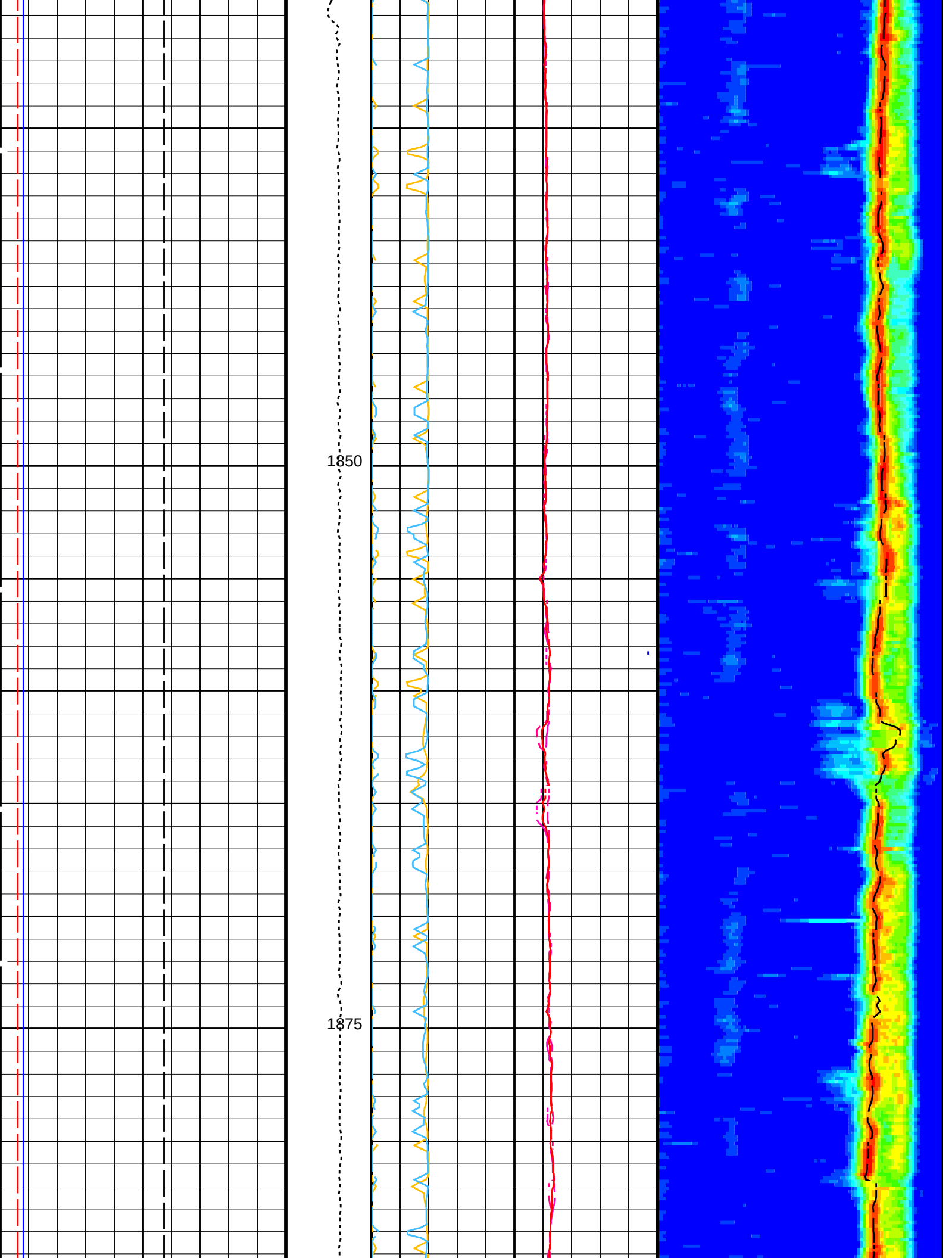

1775
1800
1825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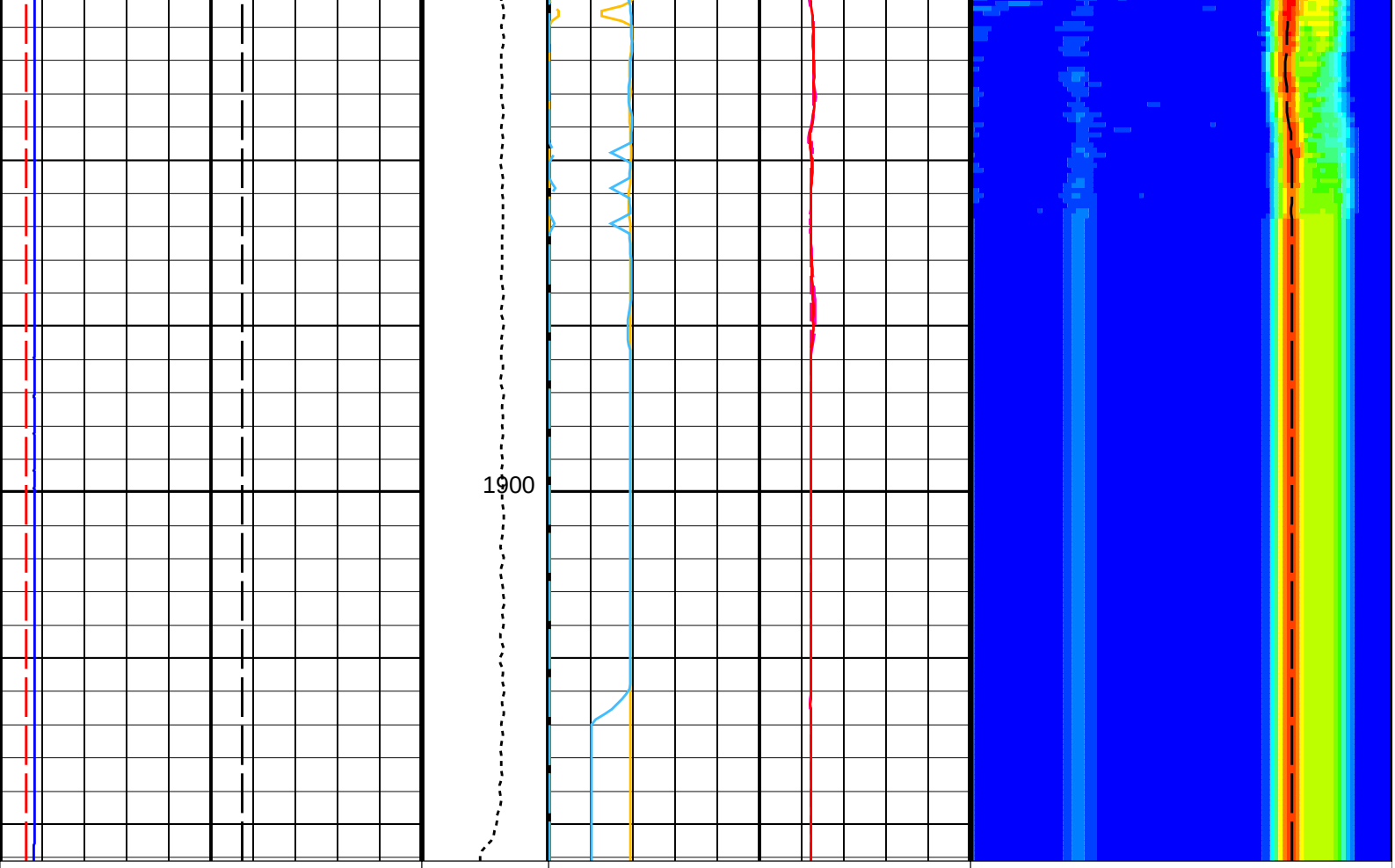
1875



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
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
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
		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	70	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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit − Monopole P&S	240	US/F
SWD4	STC Slowness Width − Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill − Monopole P&S	300	US
TLL4	STC Time Lower Limit − Monopole P&S	150	US
TST4	STC Time Step − Monopole P&S	50	US
TUL4	STC Time Upper Limit − Monopole P&S	3660	US
TWD4	STC Time Width − Monopole P&S	1000	US
TWI4	STC Integration Time Window − Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 23−Aug−2021 04:31**

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_028LUP	PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31

RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31		

Company: International Ocean Discovery Program **Well: Expedition 396, Site U1567A**

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_028LUP		PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

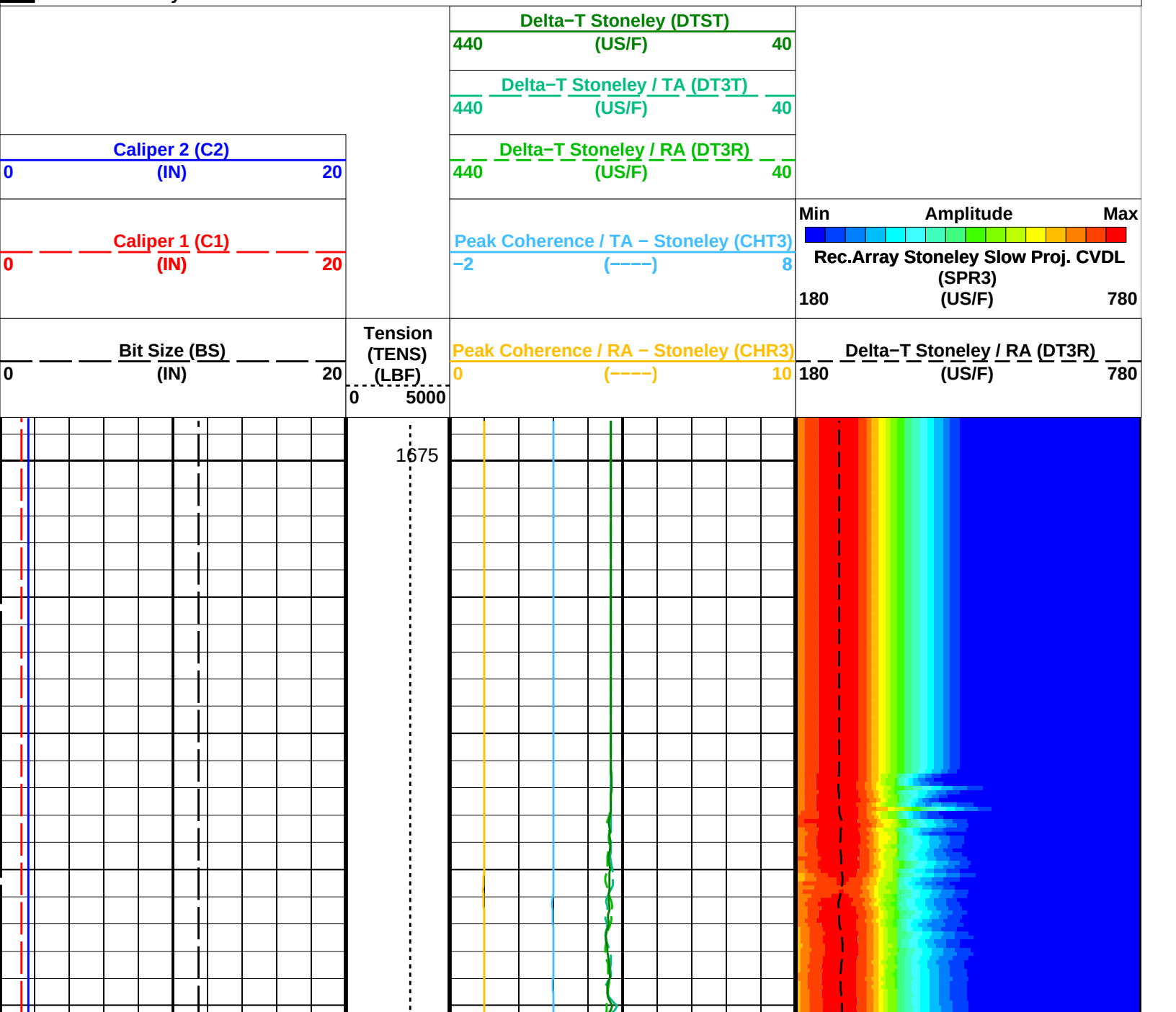
DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 M
RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31	1911.1 M	1673.4 M

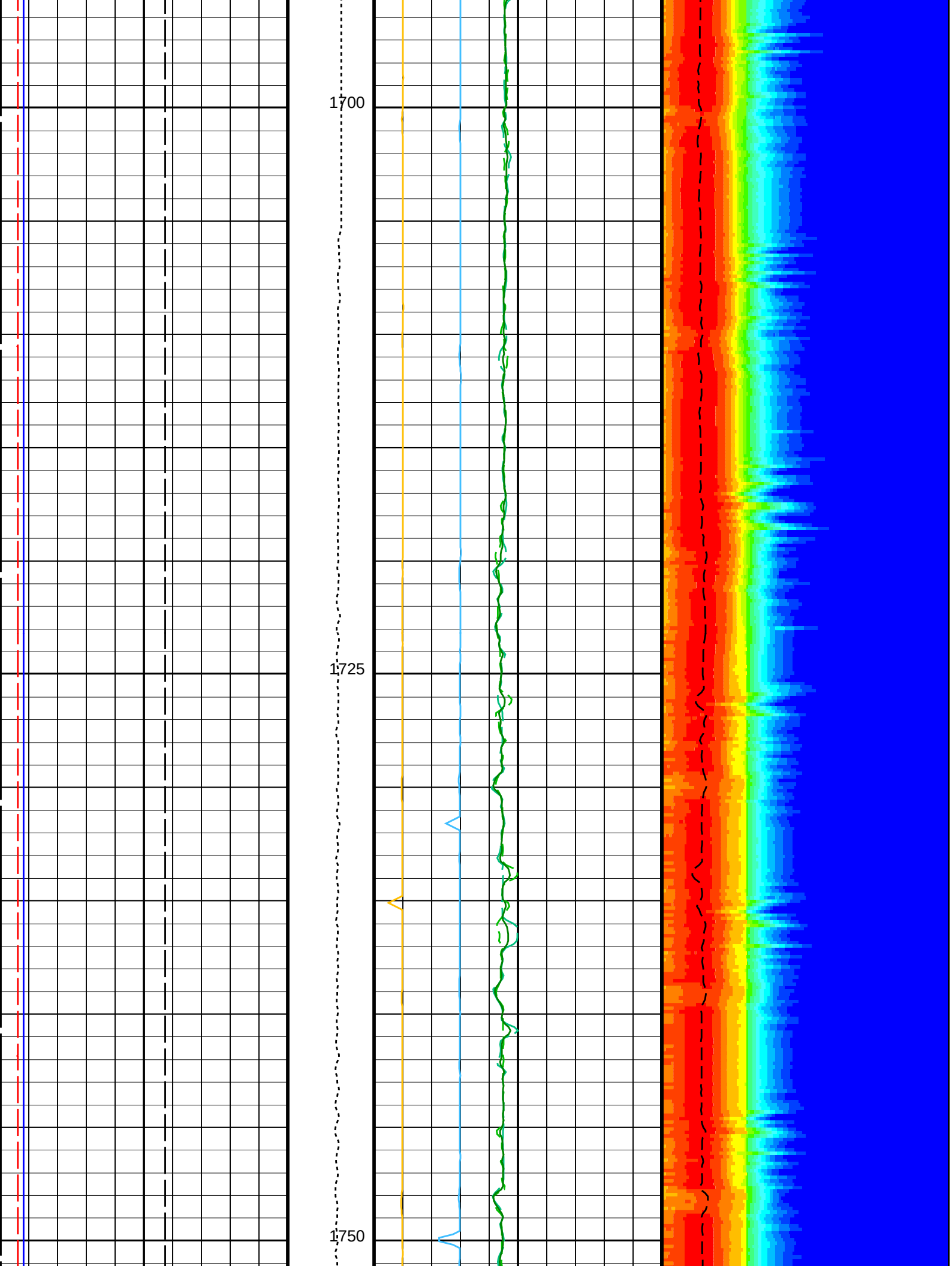
OP System Version: 19C0−187

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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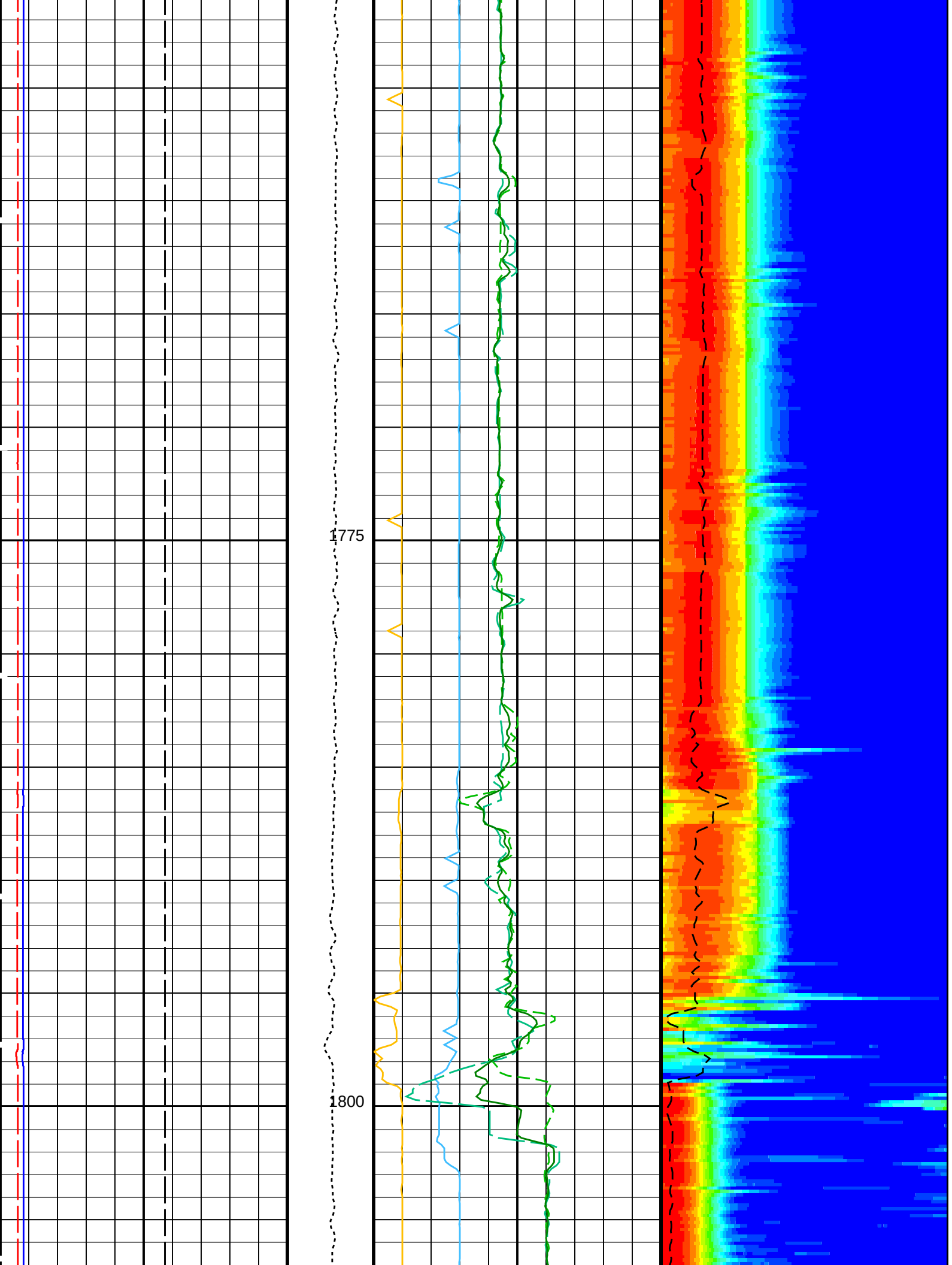
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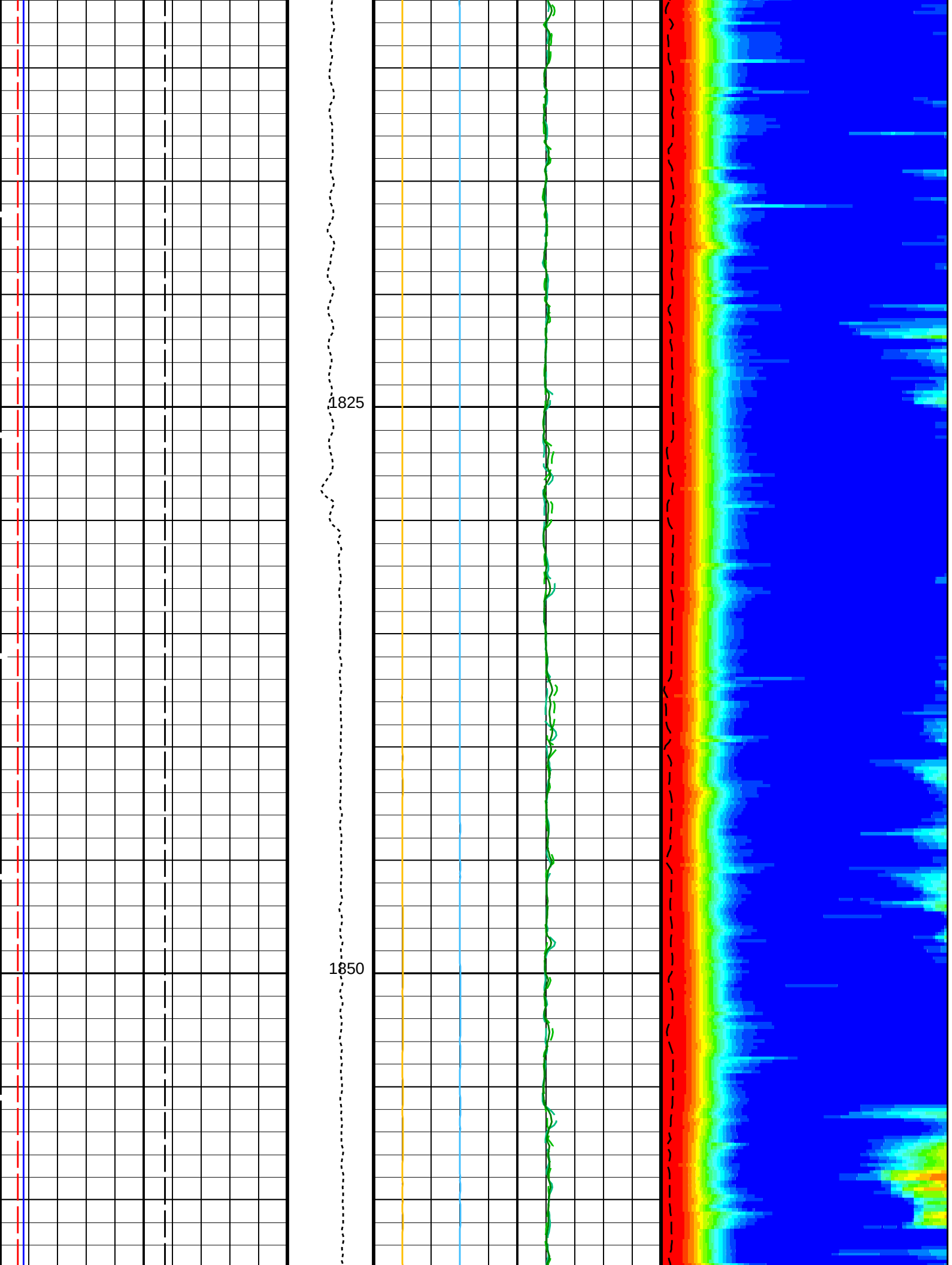
1800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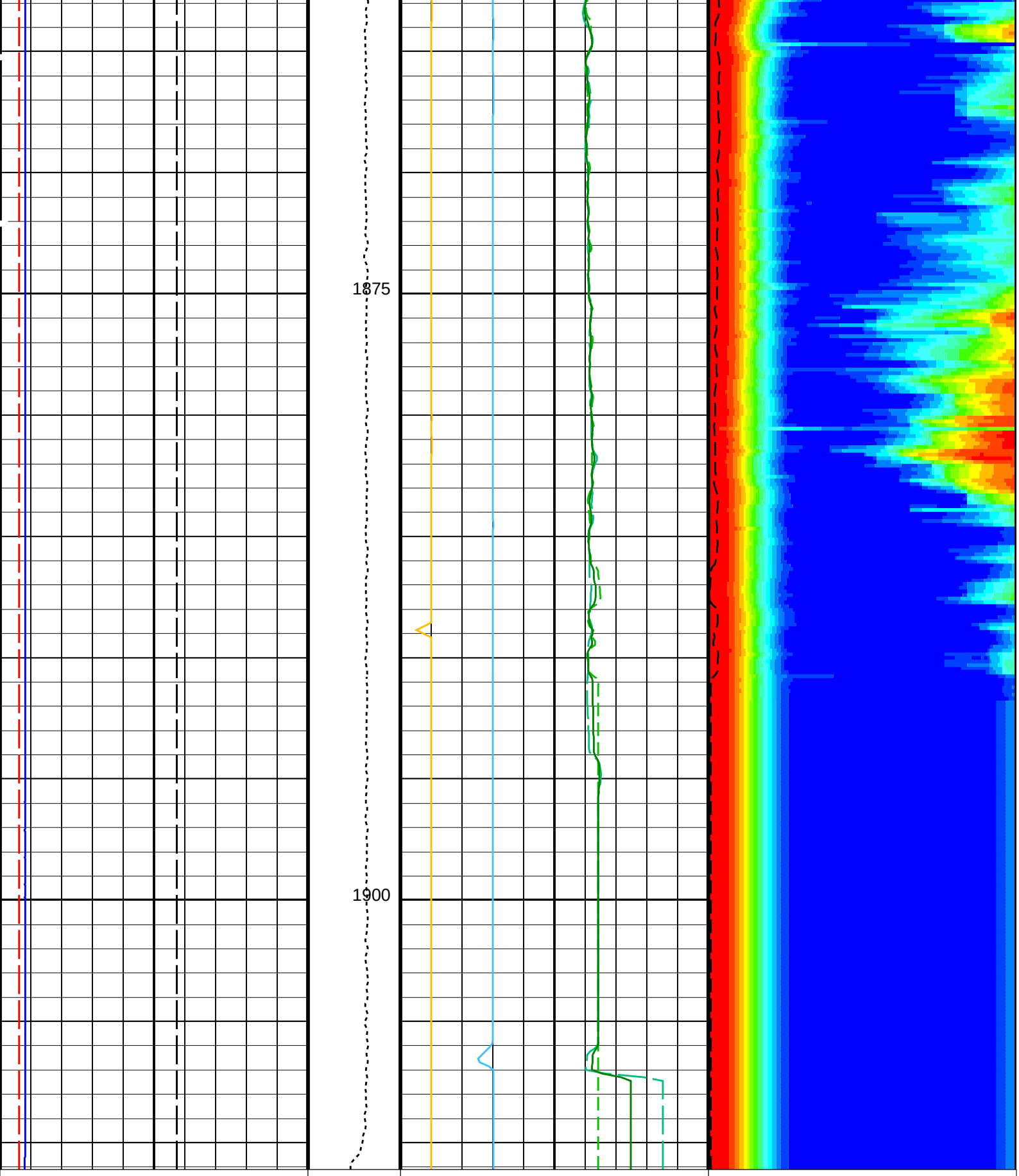
1850



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
0 (IN) 20		−2 (----) 8	Rec.Array Stoneley Slow Proj. CVDL (SPR3) 180 (US/F) 780

Caliper 2 (C2)		
0	(IN)	20

Delta−T Stoneley / RA (DT3R)		
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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	US/F
SWD3	STC Slowness Width − Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill − Monopole Stoneley	0	US
TLL3	STC Time Lower Limit − Monopole Stoneley	620	US
TST3	STC Time Step − Monopole Stoneley	200	US
TUL3	STC Time Upper Limit − Monopole Stoneley	12020	US
TWD3	STC Time Width − Monopole Stoneley	2000	US
TWI3	STC Integration Time Window − Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_STONELEY_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 23−Aug−2021 04:31**

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_028LUP	PRODUCER	23−Aug−2021 04:10	1910.9 M	1673.4 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_034PUP	FN:44	PRODUCER	23−Aug−2021 04:31	

RTB	FMS_DSI_NGS_034PUP	FN:45	PRODUCER	23−Aug−2021 04:31		

Schlumberger

First Pass

MAXIS Field Log

Input DLIS Files

DEFAULT	FMS_DSI_NGS_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

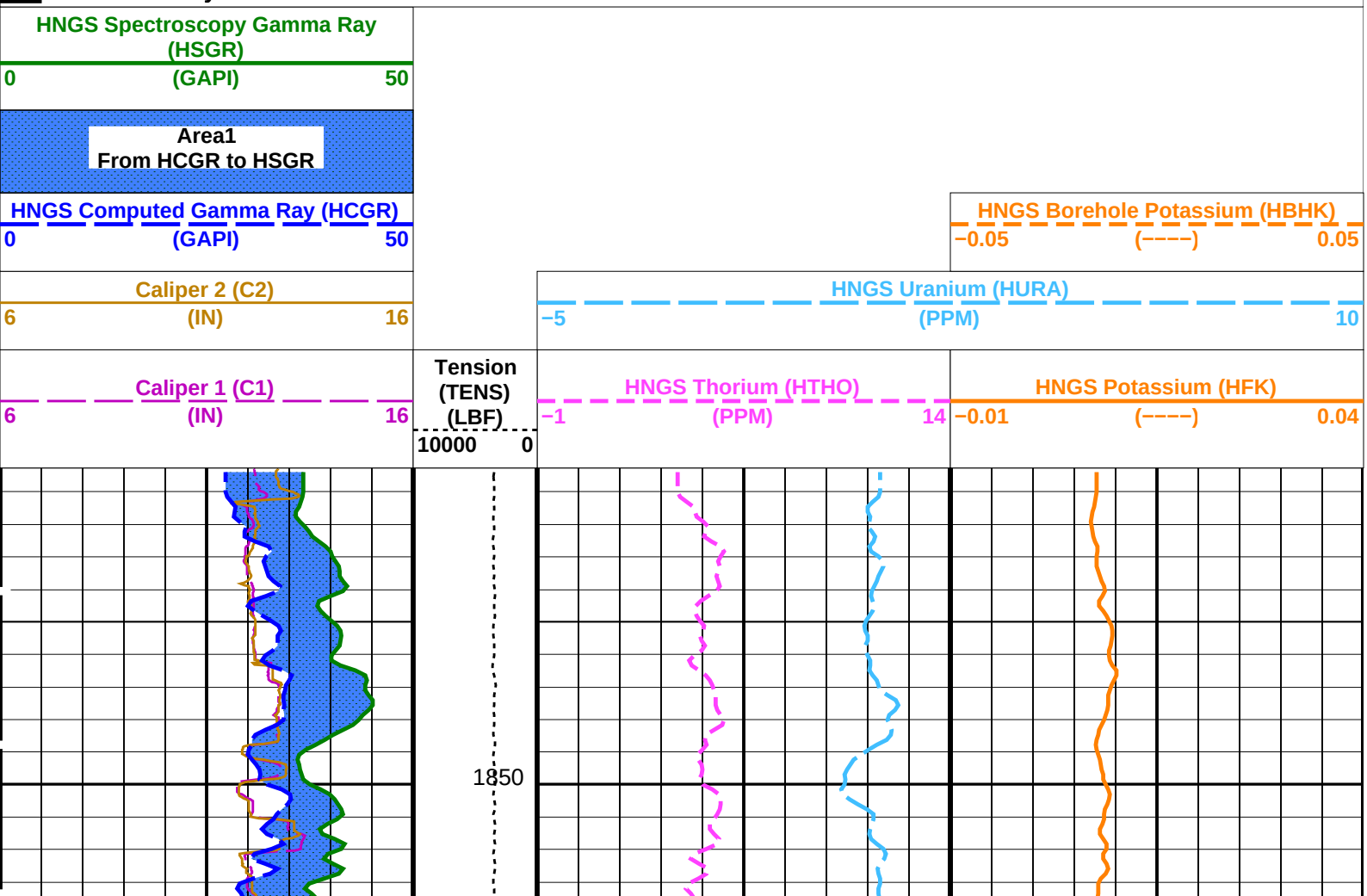
DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M

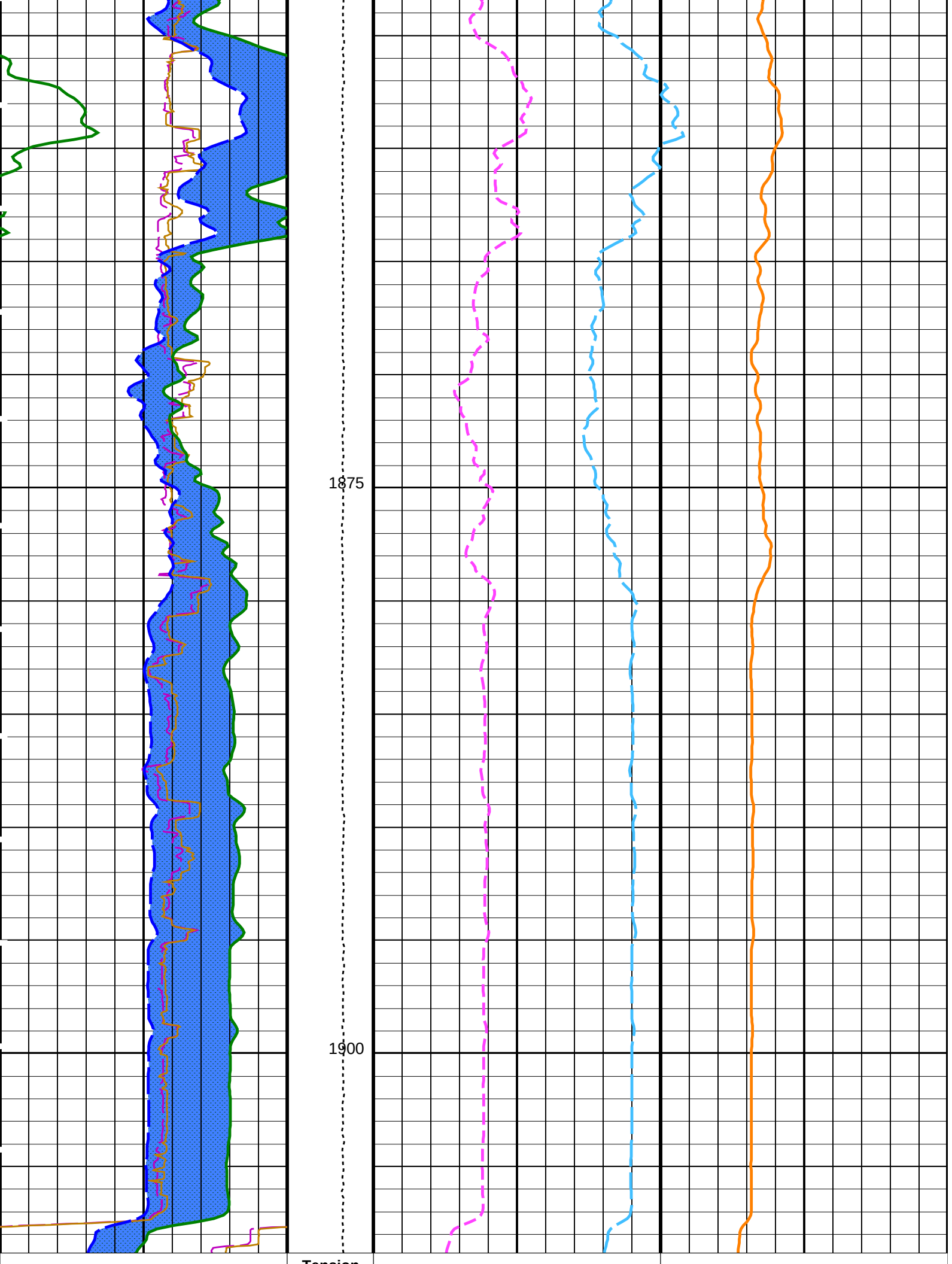
OP System Version: 19C0−187

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




1875
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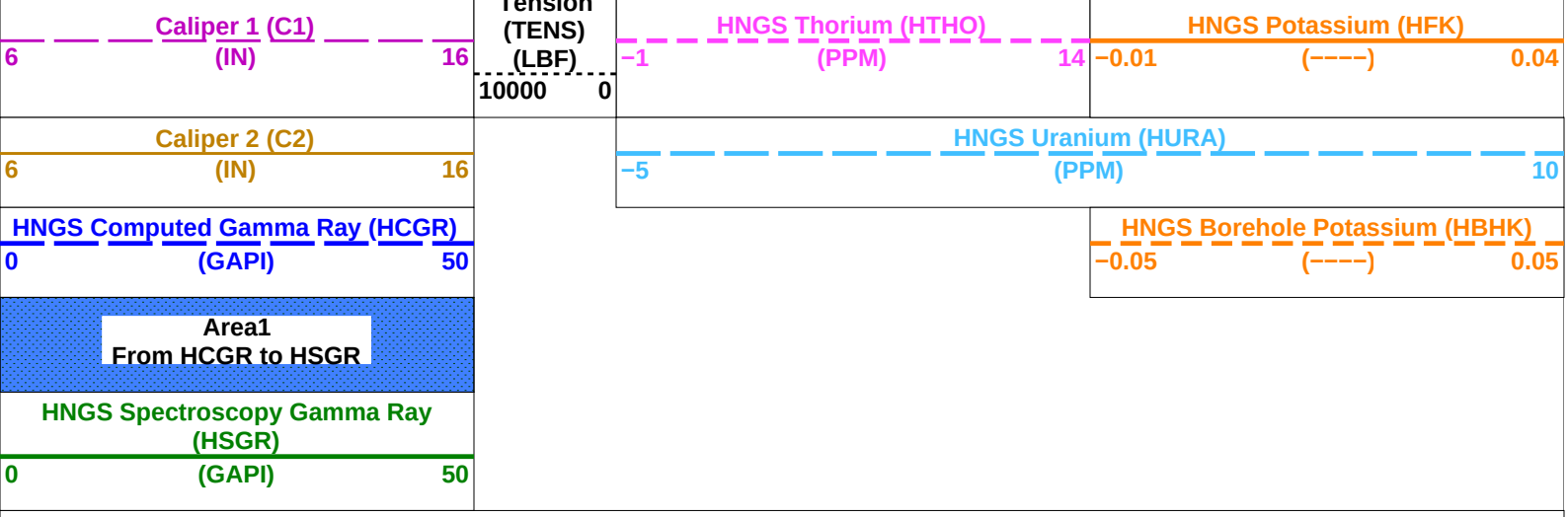


PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	DSST−B: Dipole Shear Imager − B		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	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	−0.0152499	
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	0.961588	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976684	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 23−Aug−2021 04:15

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_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15

Input DLIS Files

DEFAULT	FMS_DSI_NGS_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

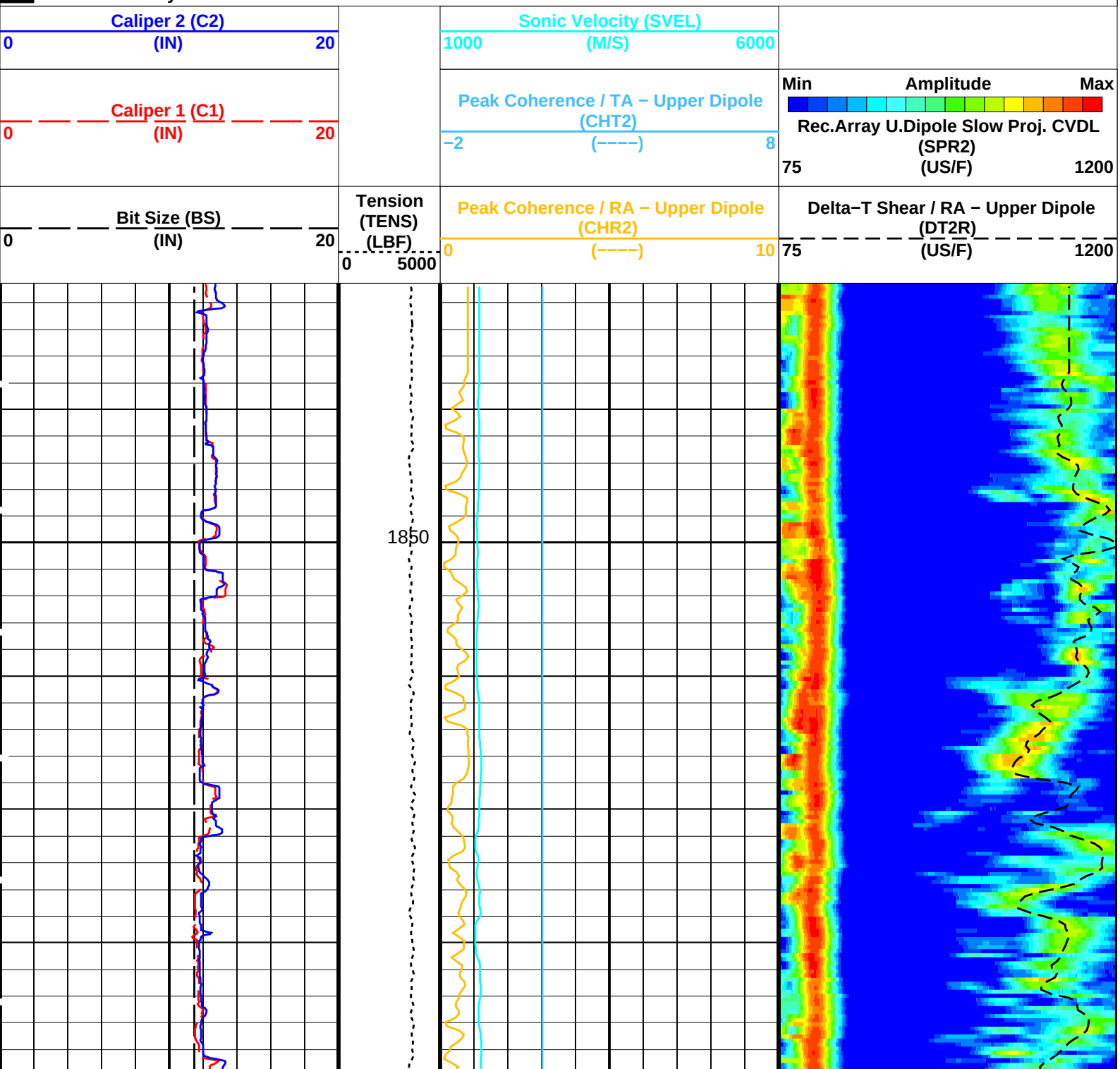
DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M

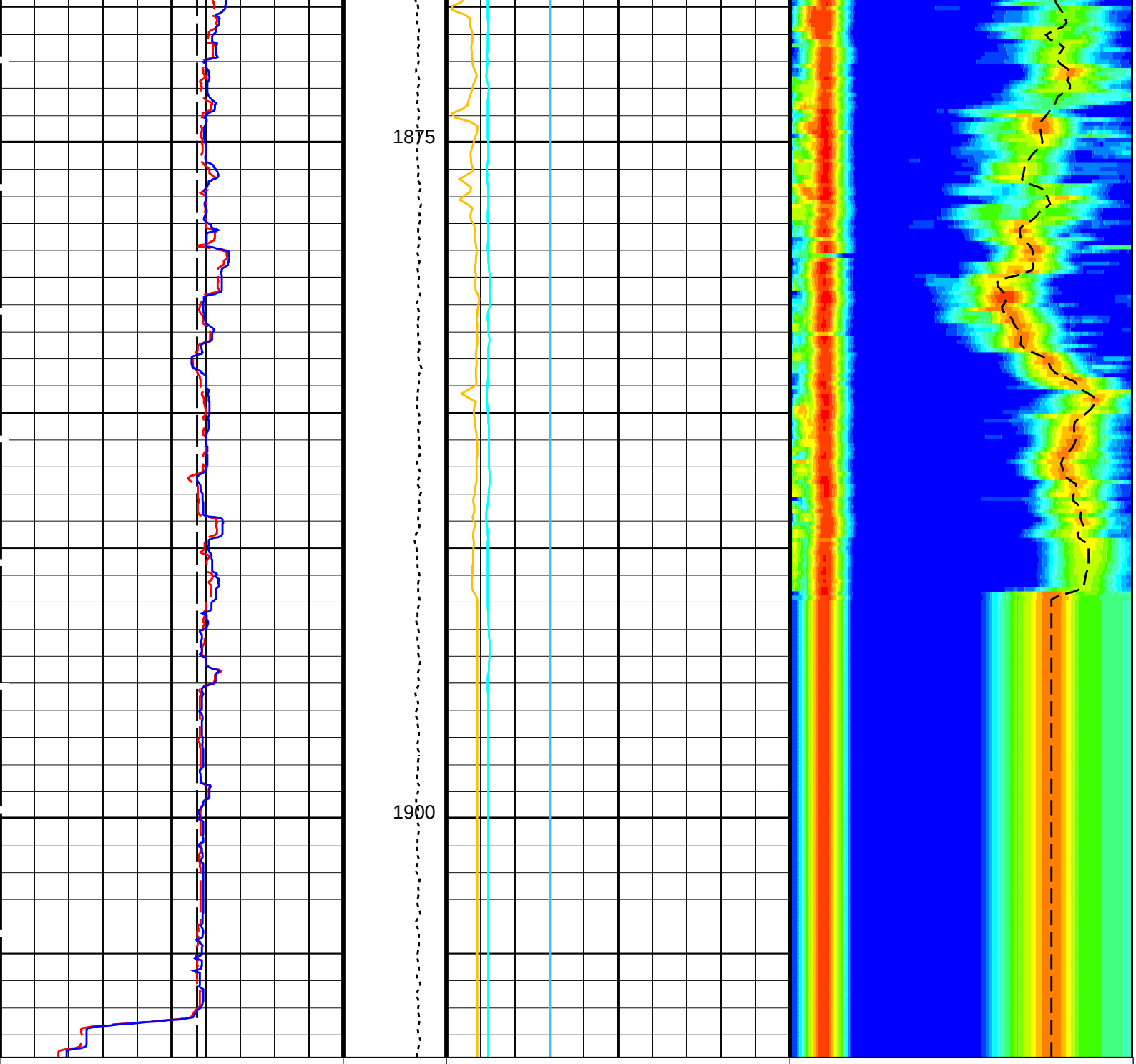
OP System Version: 19C0−187

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





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		

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	600	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 − Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status − Upper Dipole	255	
SBO2	STC Search Band Offset − Upper Dipole	3000	US
SBW2	STC Search Bandwidth − Upper Dipole	8000	US
SFC2	STC Formation Character − Upper Dipole	SELECTABLE	
SFM2	STC Filter − Upper Dipole	B1−2K	
SLL2	STC Slowness Lower Limit − Upper Dipole	40	US/F
SST2	STC Slowness Step − Upper Dipole	4	US/F
SSW2	STC Source Waveform − Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit − Upper Dipole	1400	US/F
SWD2	STC Slowness Width − Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill − Upper Dipole	0	US
TLL2	STC Time Lower Limit − Upper Dipole	600	US
TST2	STC Time Step − Upper Dipole	200	US
TUL2	STC Time Upper Limit − Upper Dipole	20440	US
TWD2	STC Time Width − Upper Dipole	2000	US
TWI2	STC Integration Time Window − Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
System and Miscellaneous			
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 23−Aug−2021 04:15**

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_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15		
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

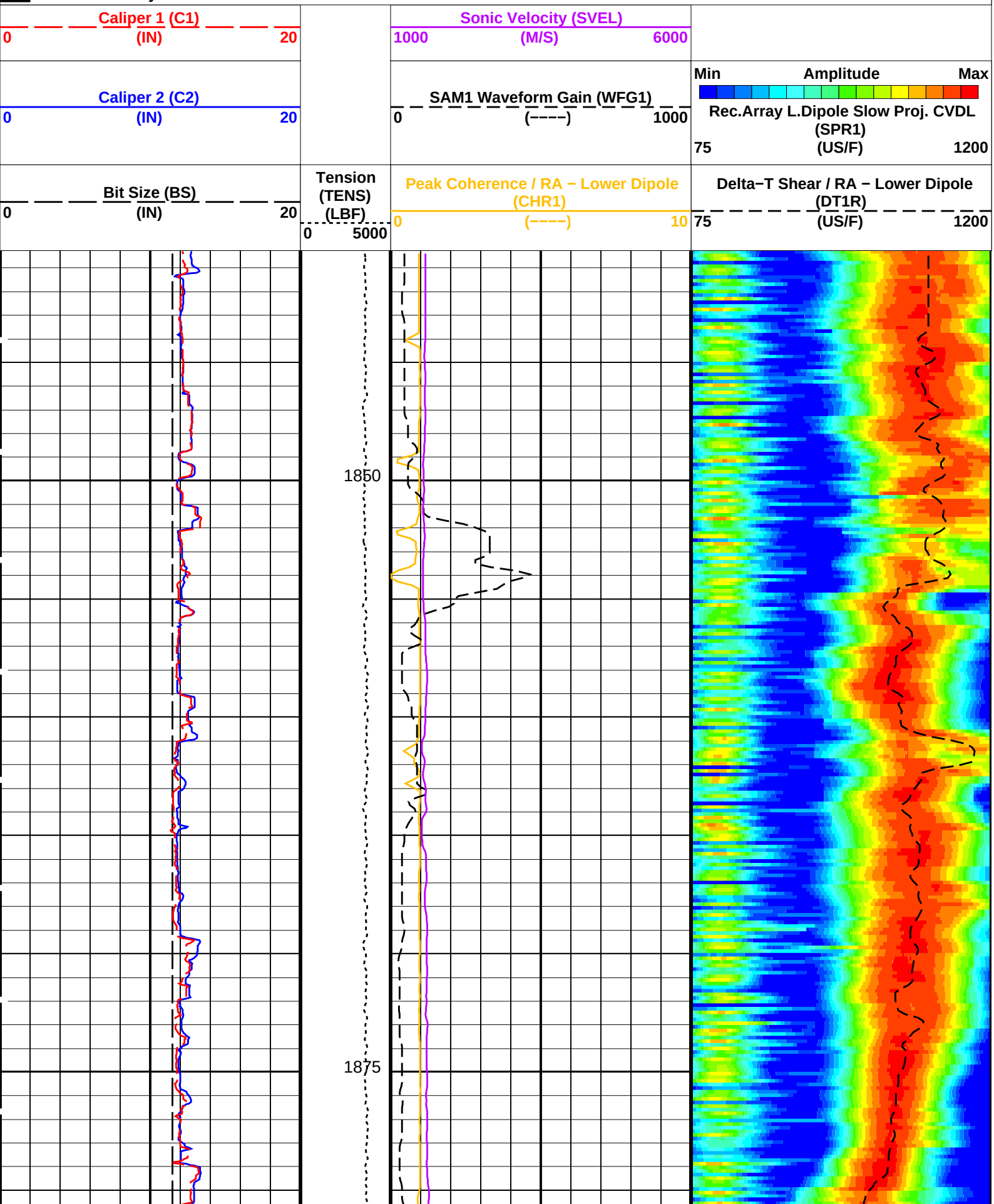
DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M

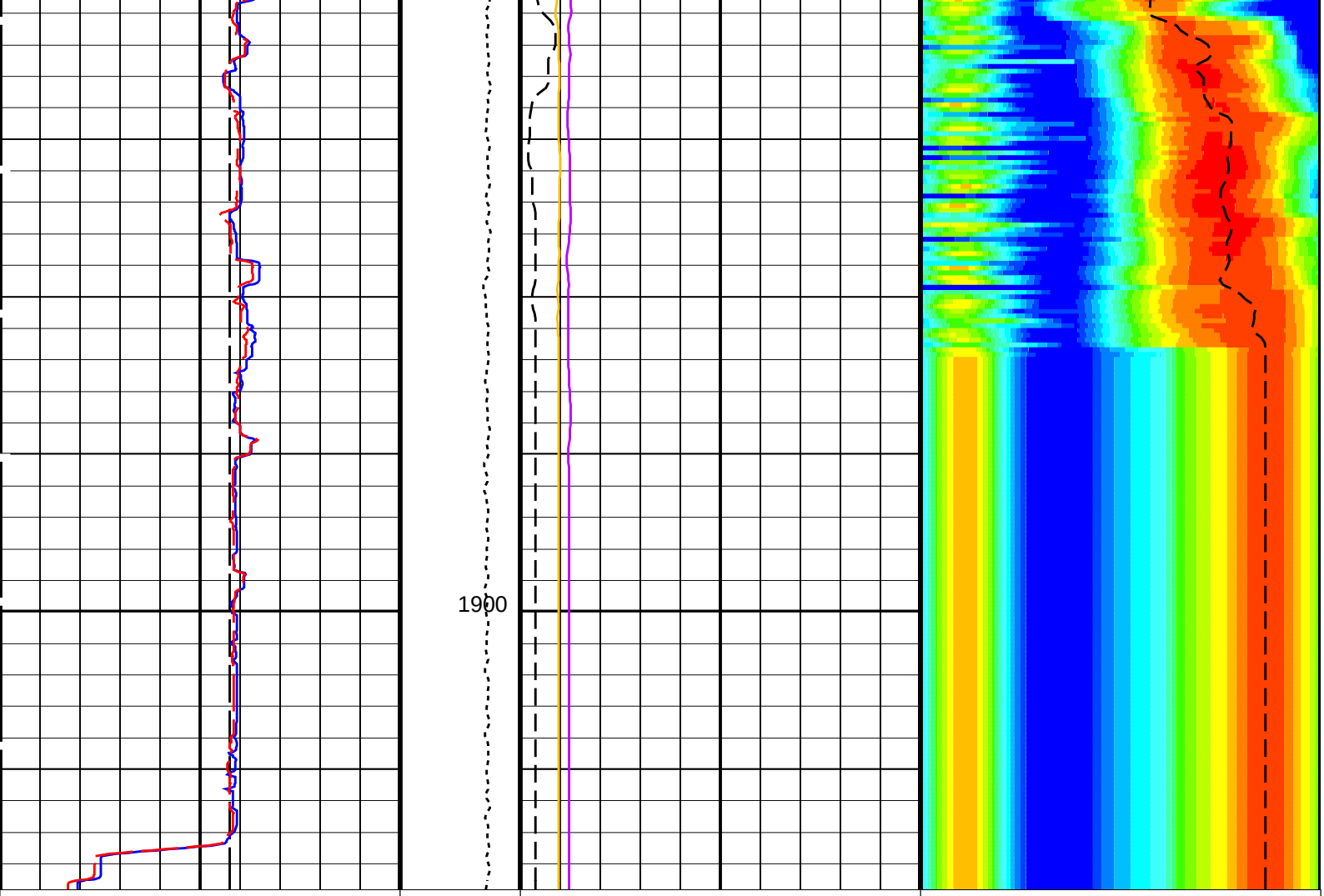
OP System Version: 19C0−187

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





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

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

Min Amplitude Max

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

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	600	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN

RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status − Lower Dipole	255	
SBO1	STC Search Band Offset − Lower Dipole	3000	US
SBW1	STC Search Bandwidth − Lower Dipole	8000	US
SFC1	STC Formation Character − Lower Dipole	SELECTABLE	
SFM1	STC Filter − Lower Dipole	B.3−1.5K	
SLL1	STC Slowness Lower Limit − Lower Dipole	40	US/F
SST1	STC Slowness Step − Lower Dipole	4	US/F
SSW1	STC Source Waveform − Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit − Lower Dipole	1400	US/F
SWD1	STC Slowness Width − Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill − Lower Dipole	0	US
TLL1	STC Time Lower Limit − Lower Dipole	600	US
TST1	STC Time Step − Lower Dipole	200	US
TUL1	STC Time Upper Limit − Lower Dipole	20440	US
TWD1	STC Time Width − Lower Dipole	2000	US
TWI1	STC Integration Time Window − Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23−Aug−2021 04:15

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_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15		
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15		

Company: International Ocean Discovery Program Well: Expedition 396, Site U1567A

Input DLIS Files

DEFAULT	FMS_DSI_NGS_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 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

Caliper 1 (C1)
0 (IN) 20

Bit Size (BS)
0 (IN) 20

Tension (TENS) (LBF)
0 5000

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

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

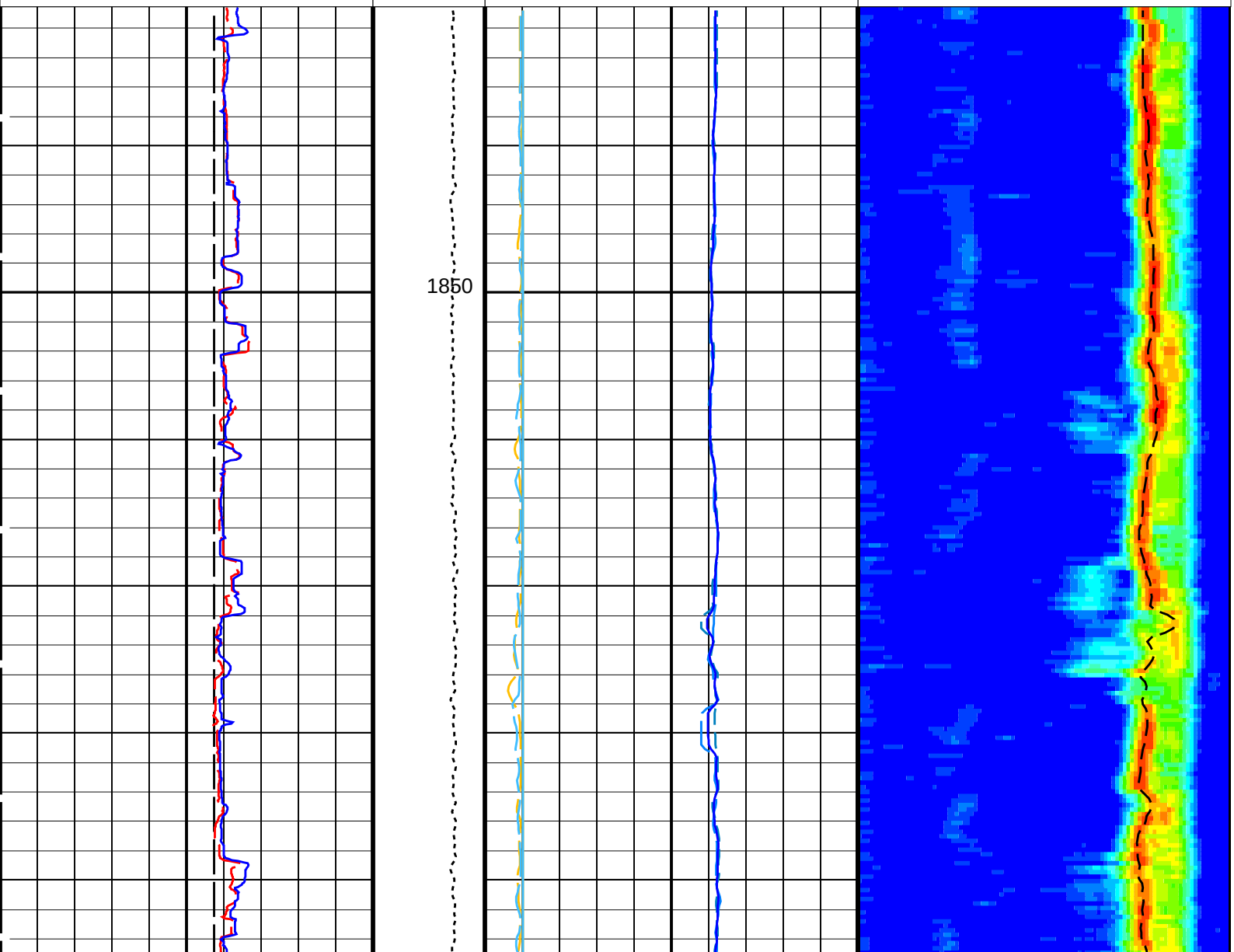
Peak Coherence / RA − P & S Comp (CHRP)
0 (−−−−) 10

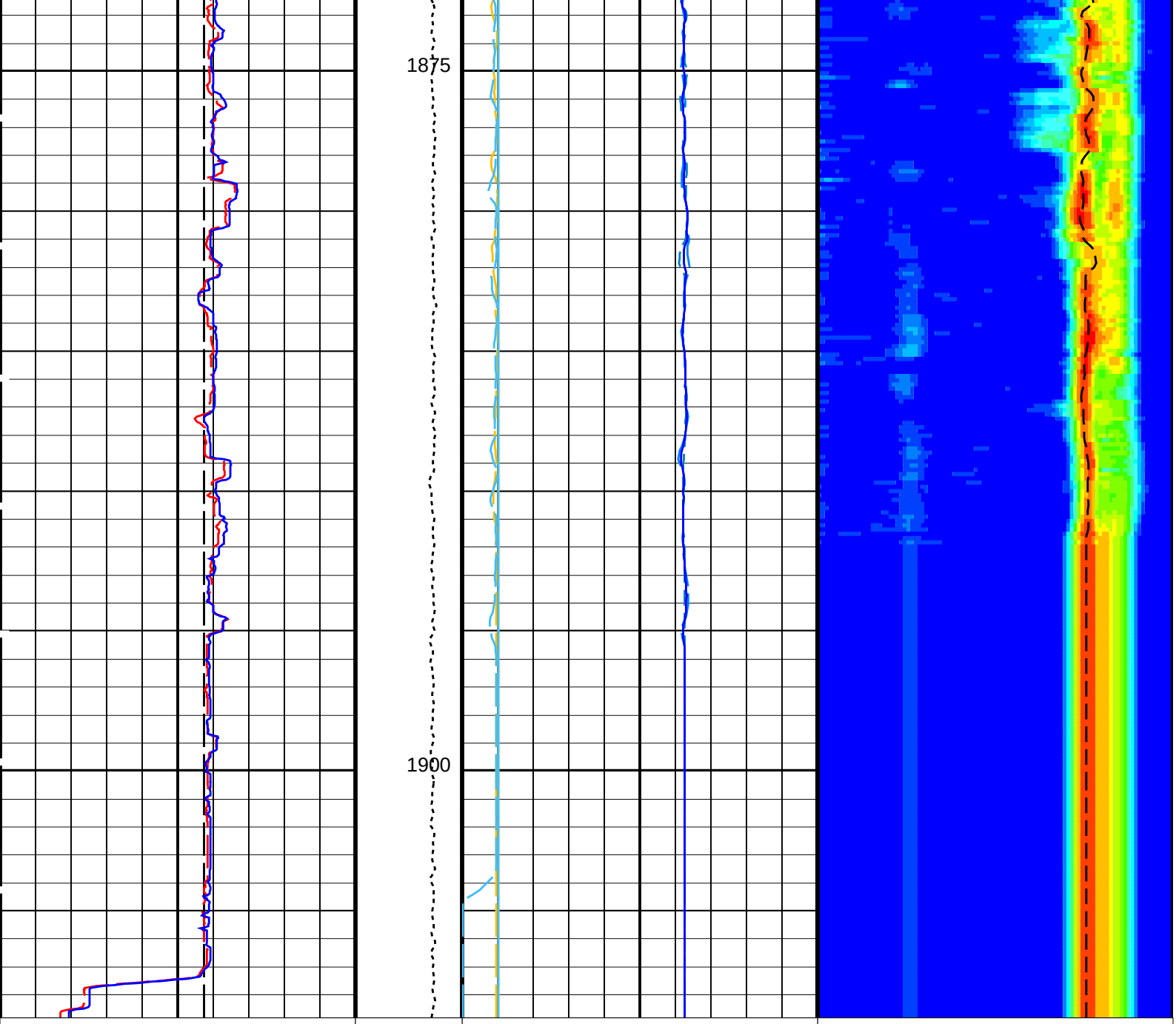
Min Amplitude Max

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

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

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





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

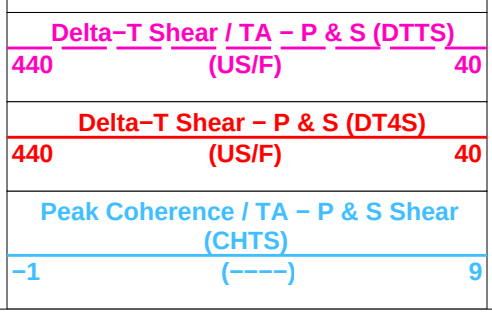
Delta−T Comp − P & S (DT4P)
440 (US/F) 40

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

Delta−T 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



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	180	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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit − Monopole P&S	240	US/F
SWD4	STC Slowness Width − Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill − Monopole P&S	300	US
TLL4	STC Time Lower Limit − Monopole P&S	150	US
TST4	STC Time Step − Monopole P&S	50	US
TUL4	STC Time Upper Limit − Monopole P&S	3660	US
TWD4	STC Time Width − Monopole P&S	1000	US
TWI4	STC Integration Time Window − Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23−Aug−2021 04:15

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_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15		
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15		

Company: International Ocean Discovery Program — Well: Expedition 396, Site U1567A

Input DLIS Files

DEFAULT	FMS_DSI_NGS_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

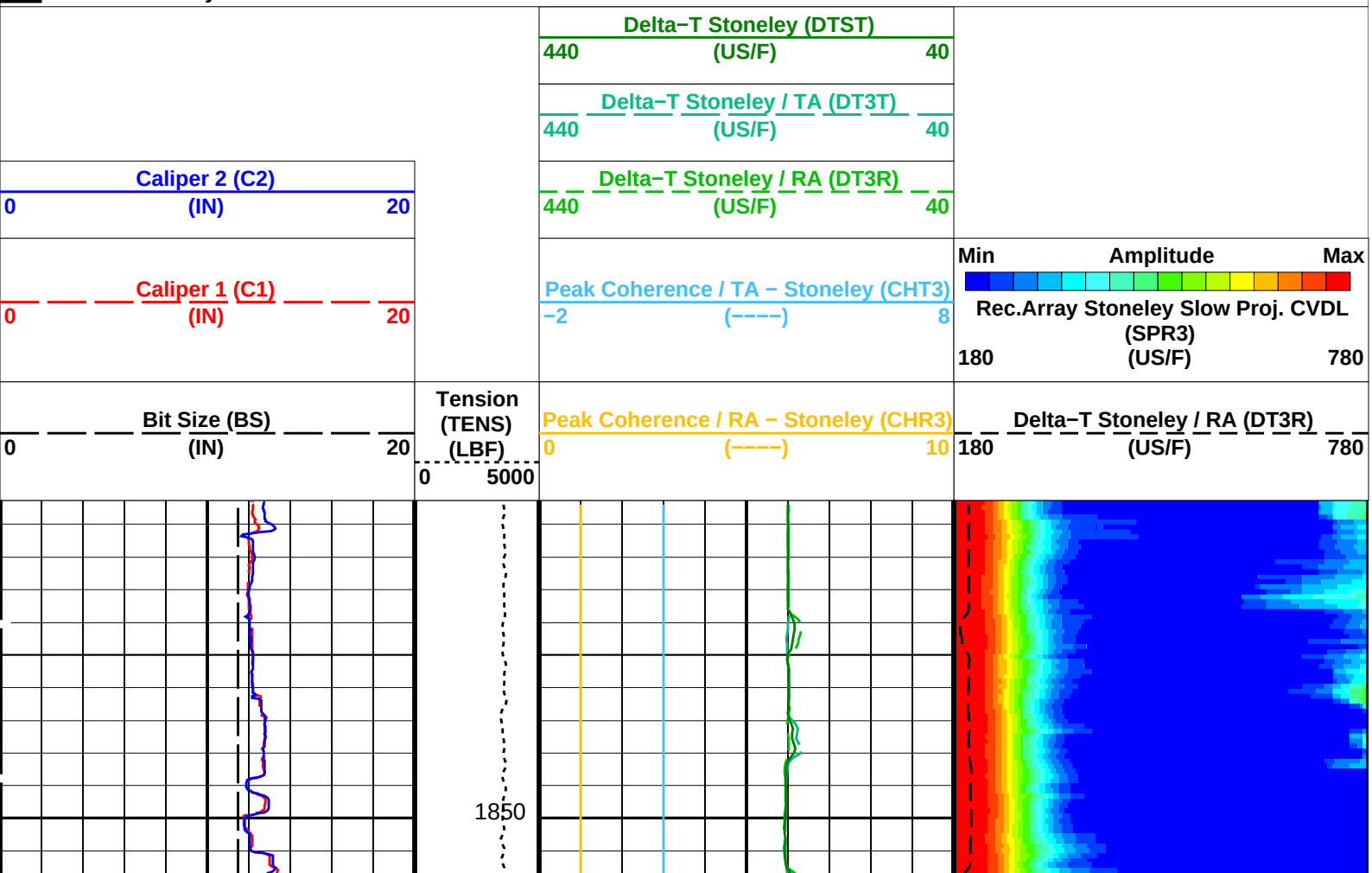
DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M

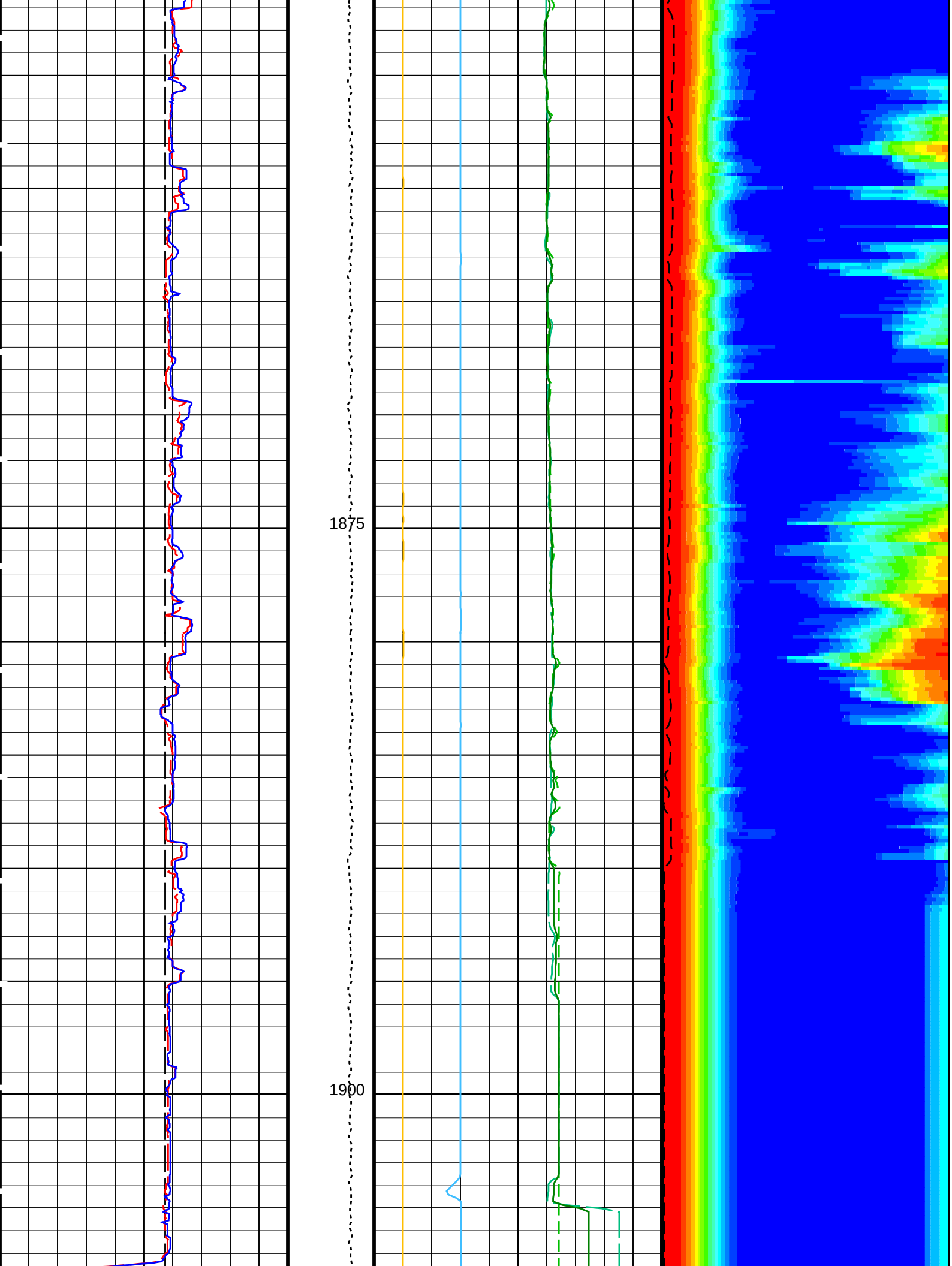
OP System Version: 19C0−187

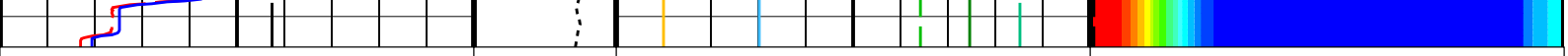
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S




1875
1900



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
0 (IN) 20		−2 (−−−−) 8	Rec.Array Stoneley Slow Proj. CVDL (SPR3)
Caliper 2 (C2)		**Delta−T Stoneley / RA (DT3R)**	180 (US/F) 780
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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	US/F
SWD3	STC Slowness Width − Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill − Monopole Stoneley	0	US
TLL3	STC Time Lower Limit − Monopole Stoneley	620	US
TST3	STC Time Step − Monopole Stoneley	200	US
TUL3	STC Time Upper Limit − Monopole Stoneley	12020	US
TWD3	STC Time Width − Monopole Stoneley	2000	US
TWI3	STC Integration Time Window − Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23−Aug−2021 04:15

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_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15		
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15		

Company: International Ocean Discovery Program — Well: Expedition 396, Site U1567A

Input DLIS Files

DEFAULT	FMS_DSI_NGS_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

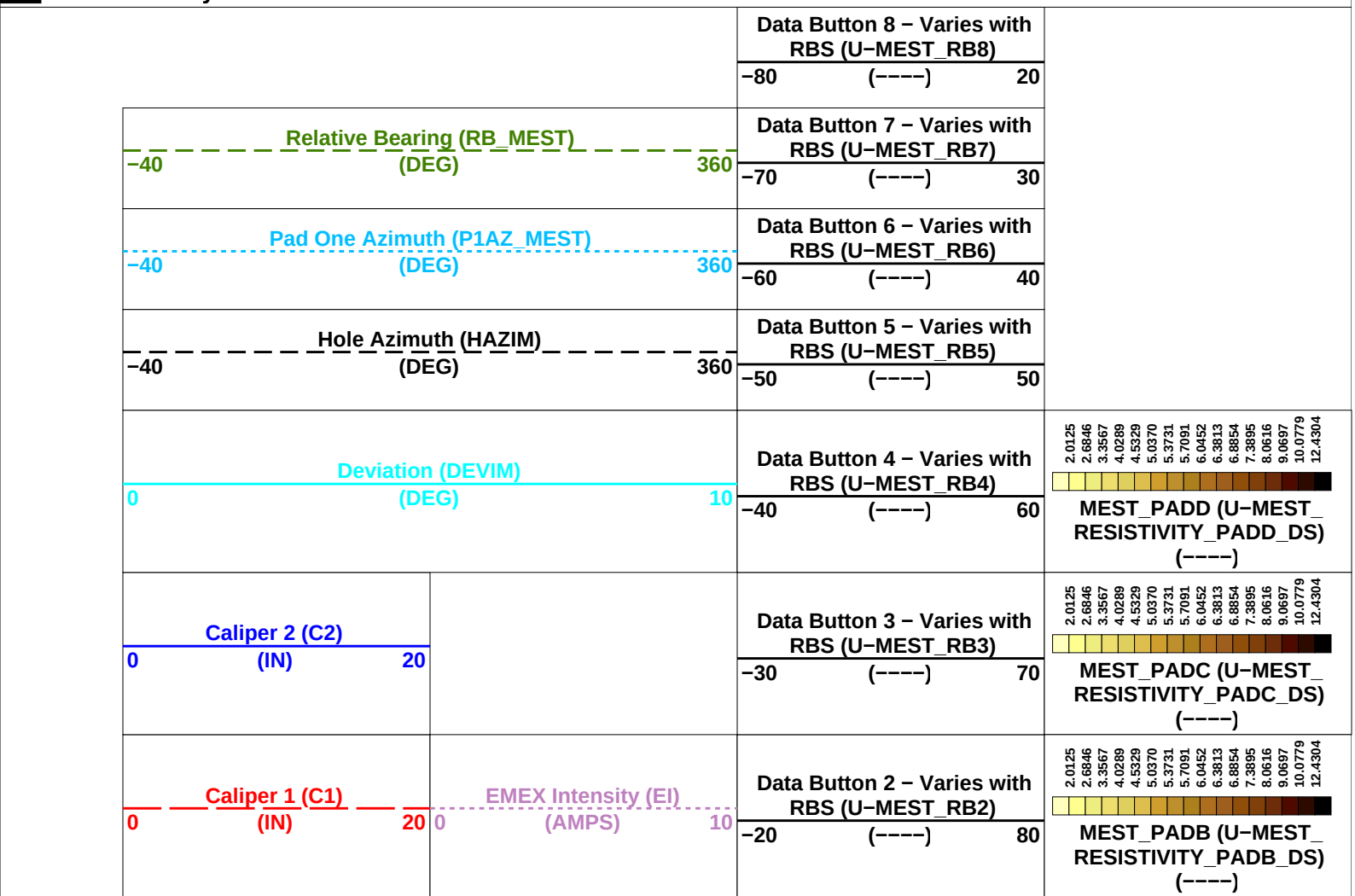
DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15	1908.8 M	1840.2 M

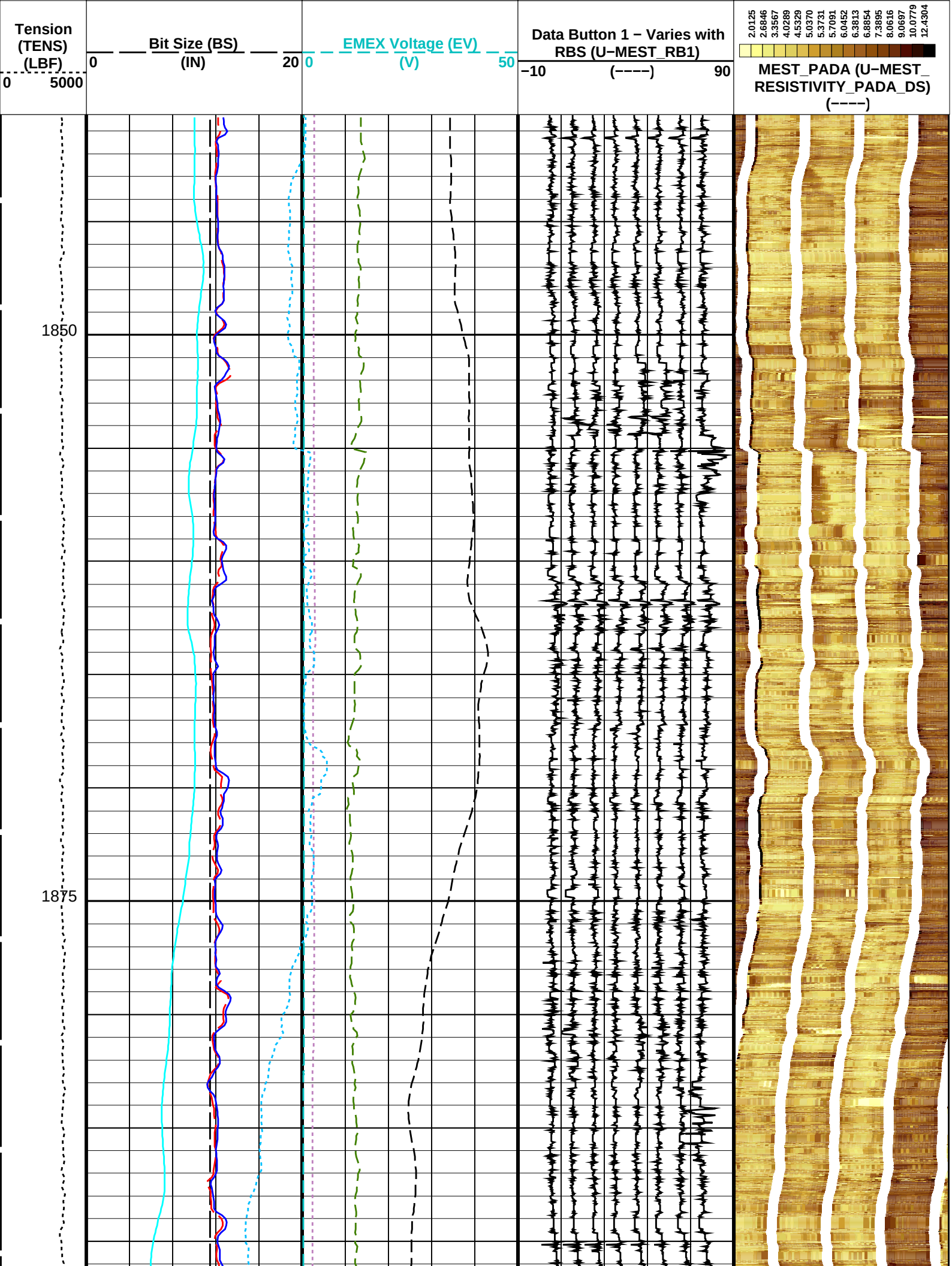
OP System Version: 19C0−187

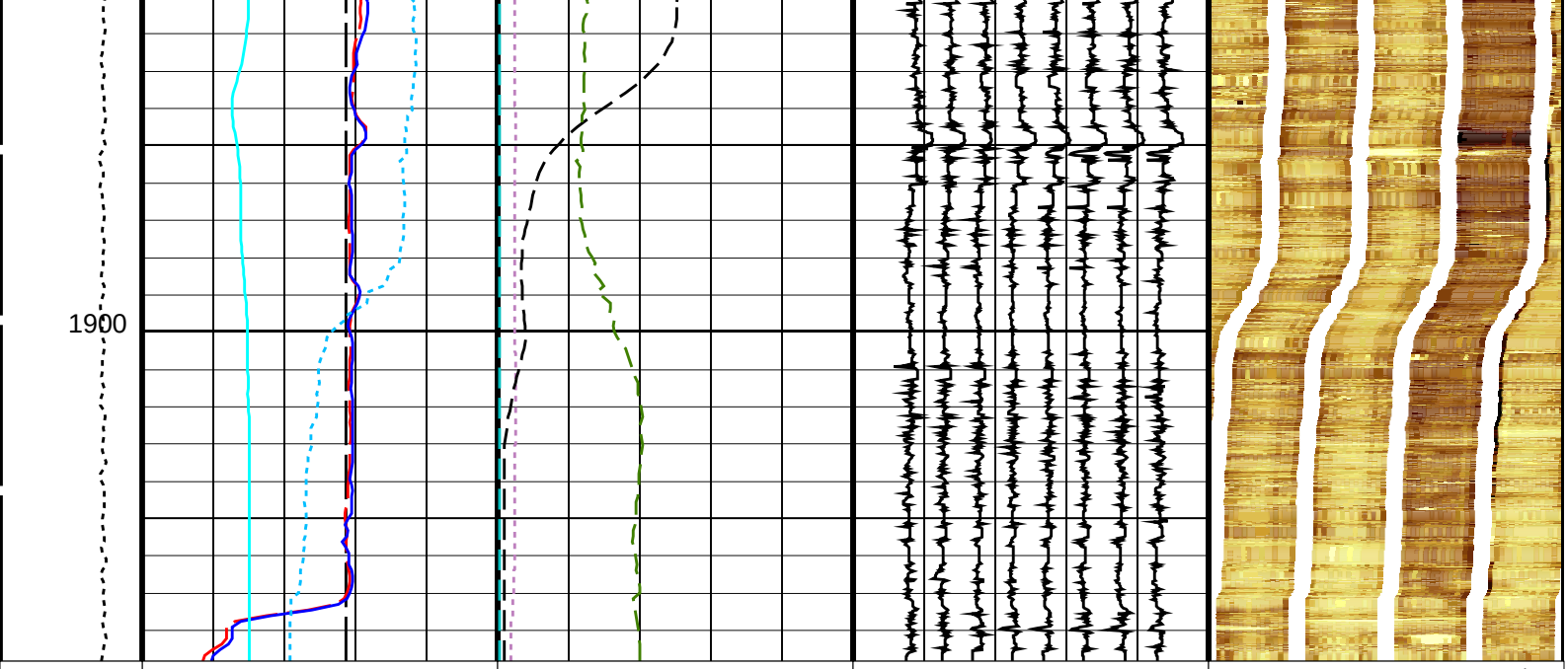
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

PIP SUMMARY

Time Mark Every 60 S




Tension (TENS) (LBF)
0
5000
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)
(−−−−)
1850
1875



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	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	MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	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	

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

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	0.766959	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	11.438	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: 23−Aug−2021 04:15**

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_024LUP	FN:28	PRODUCER	23−Aug−2021 02:51	1908.8 M	1840.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030PUP	FN:36	PRODUCER	23−Aug−2021 04:15		
RTB	FMS_DSI_NGS_030PUP	FN:37	PRODUCER	23−Aug−2021 04:15		

Schlumberger

Second Pass

MAXIS Field Log

Input DLIS Files

DEFAULT	FMS_DSI_NGS_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 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

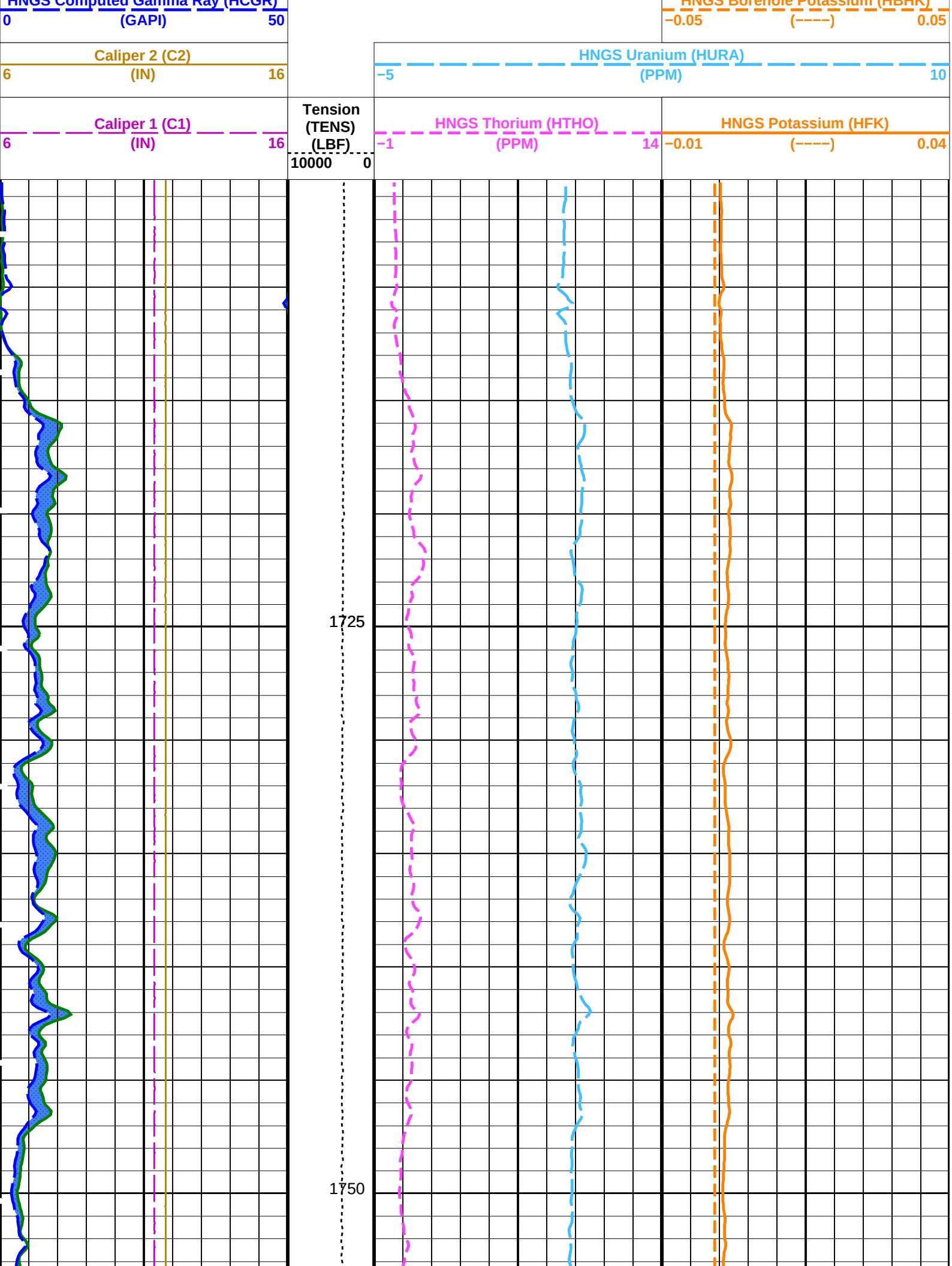
HNGS Spectroscopy Gamma Ray (HSGR)

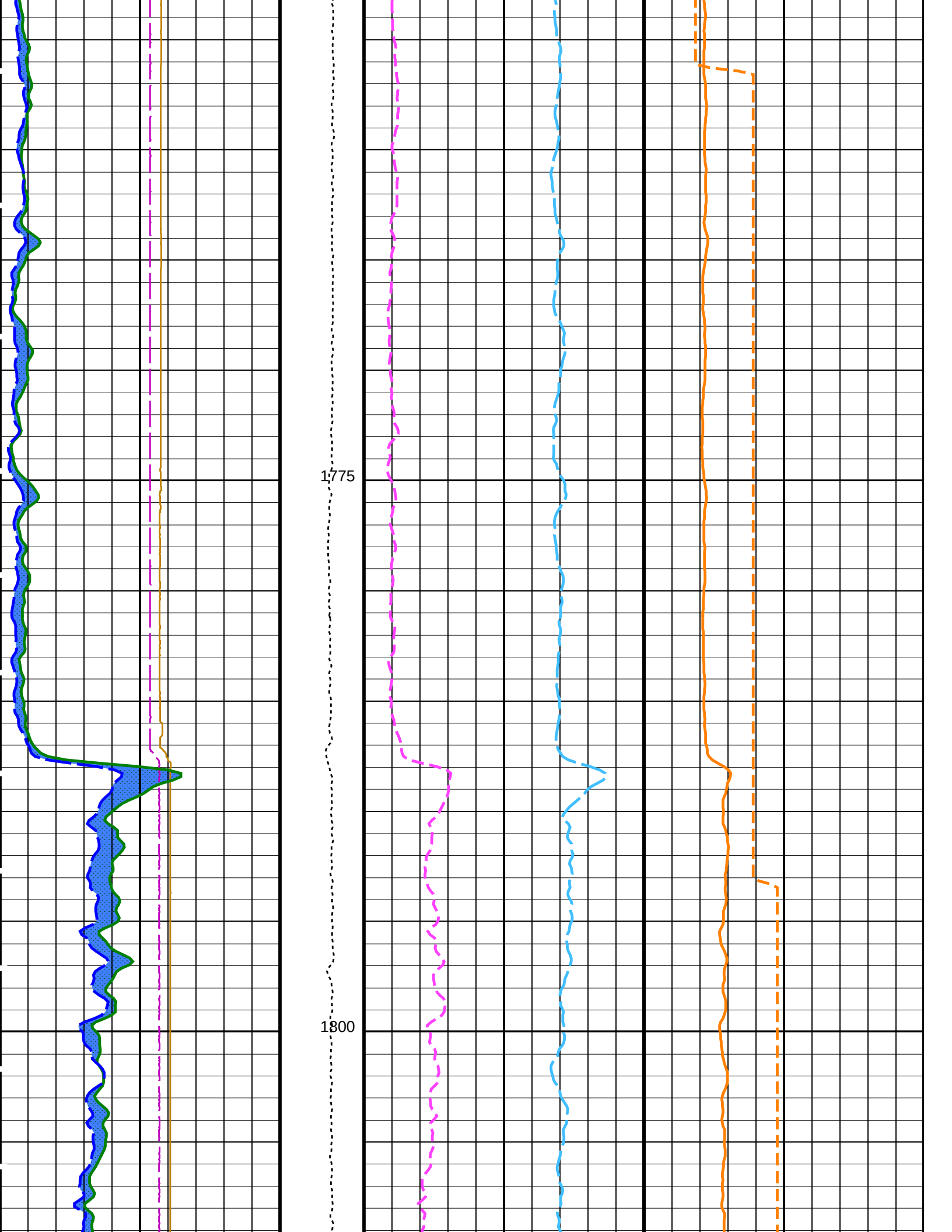
0 **(GAPI)** **50**

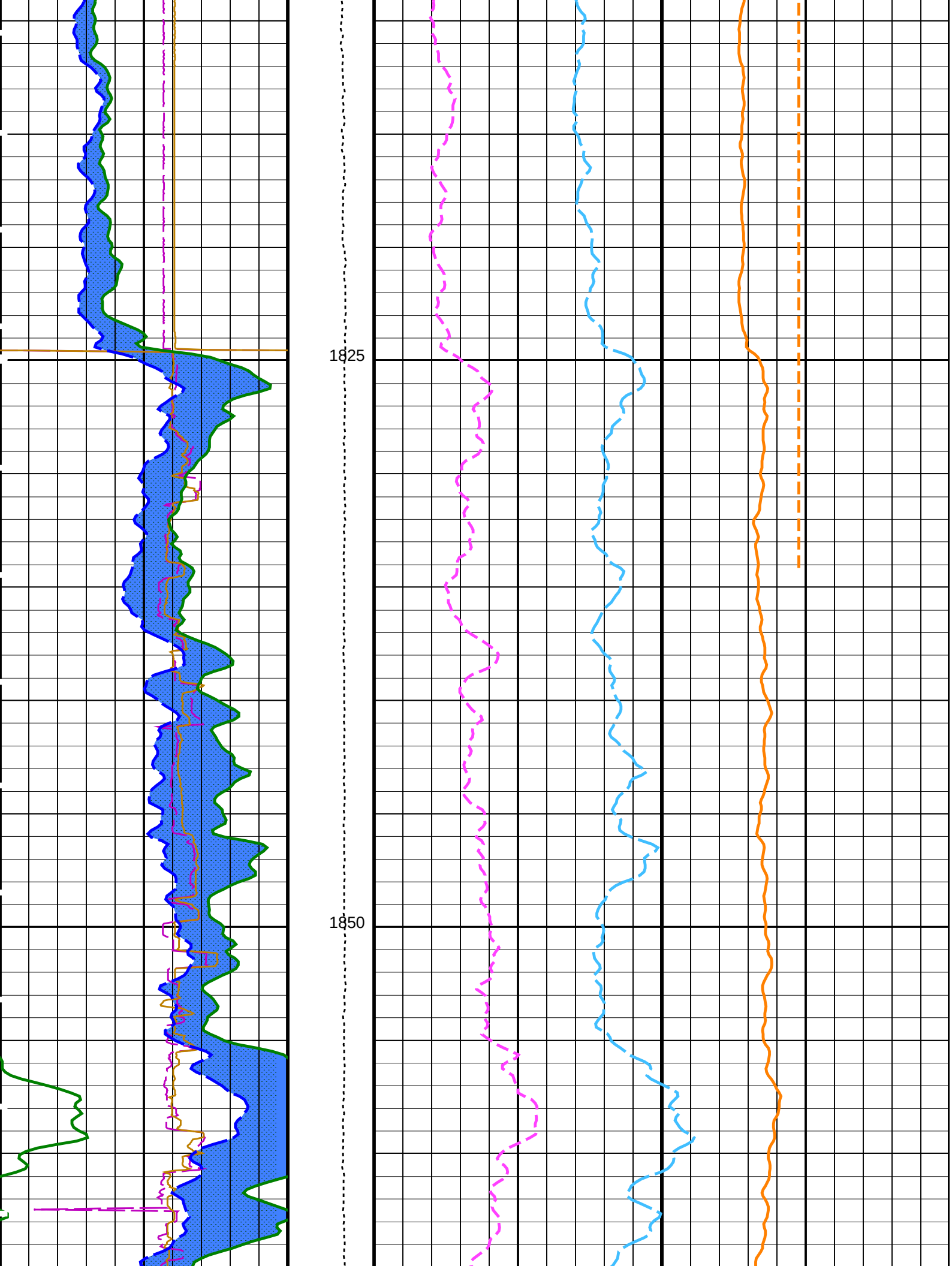
Area1
From HCGR to HSGR

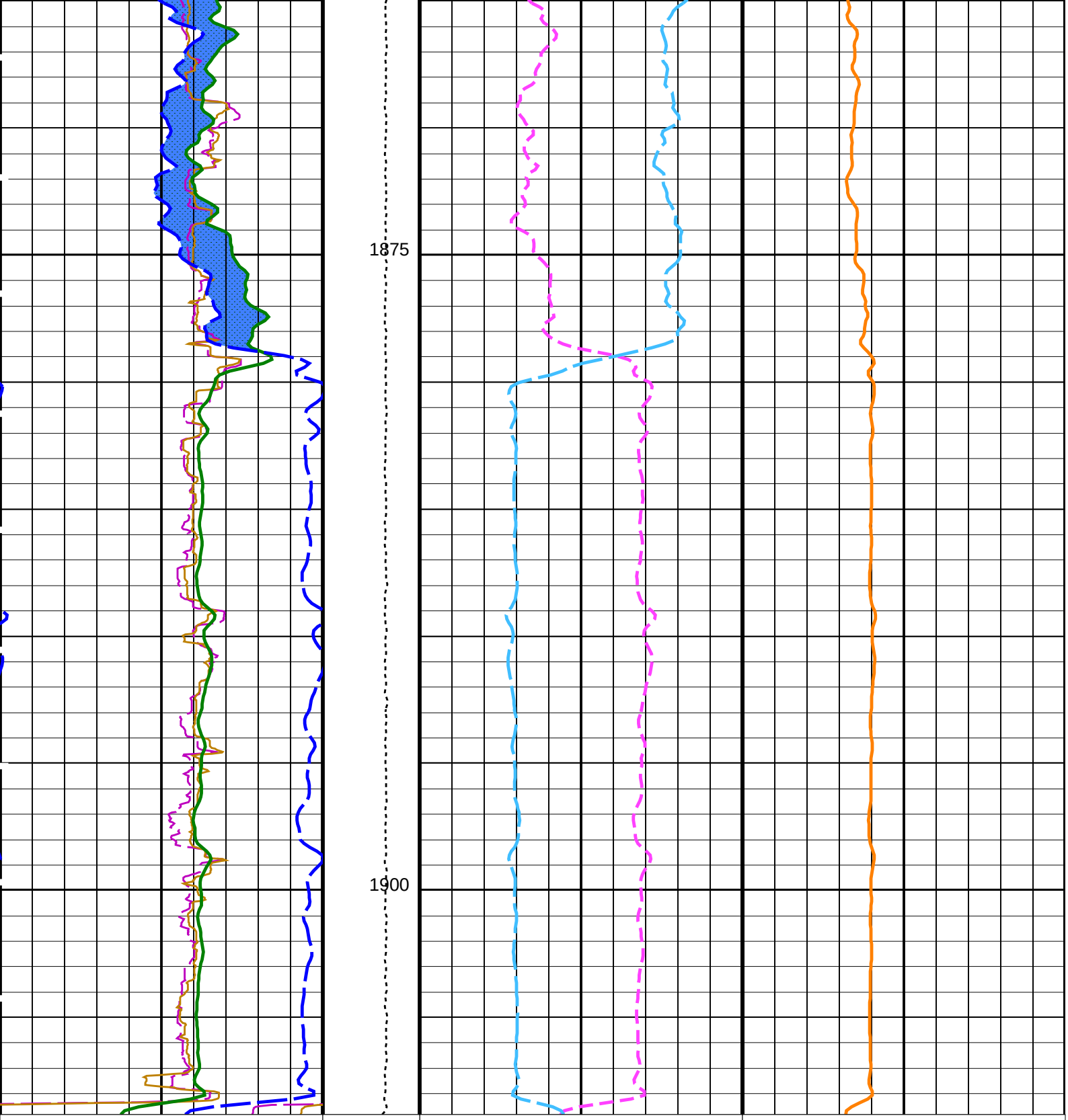
HNGS Computed Gamma Ray (HCGR)

HNGS Borehole Potassium (HBHK)


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
1725
1750


1775
1800


1825
1850



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

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

	(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	−0.0152499	
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	0.961588	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976684	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.10	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 23−Aug−2021 04:24

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_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24		
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M

OP System Version: 19C0−187

MEST−B	19C0−187	DTA−A	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

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
DSHL	600 US/F	600 US/F	1908.8 04:25:01
	75 US/F	600 US/F	1786.9 04:25:24

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

Tension (TENS) (LBF) 0 5000

Sonic Velocity (SVEL) 1000 (M/S) 6000

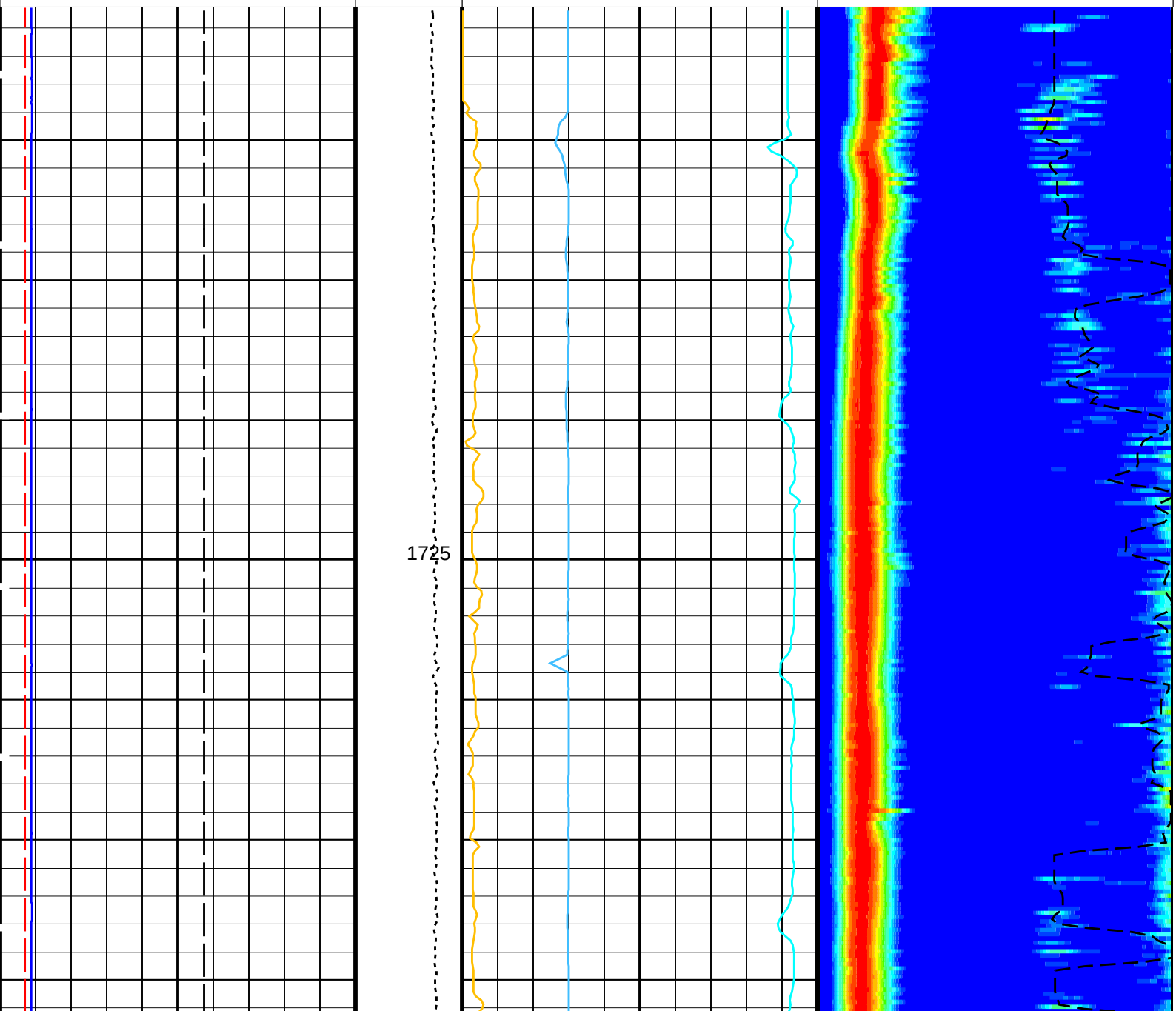
Peak Coherence / TA − Upper Dipole (CHT2) −2 (−−−−) 8

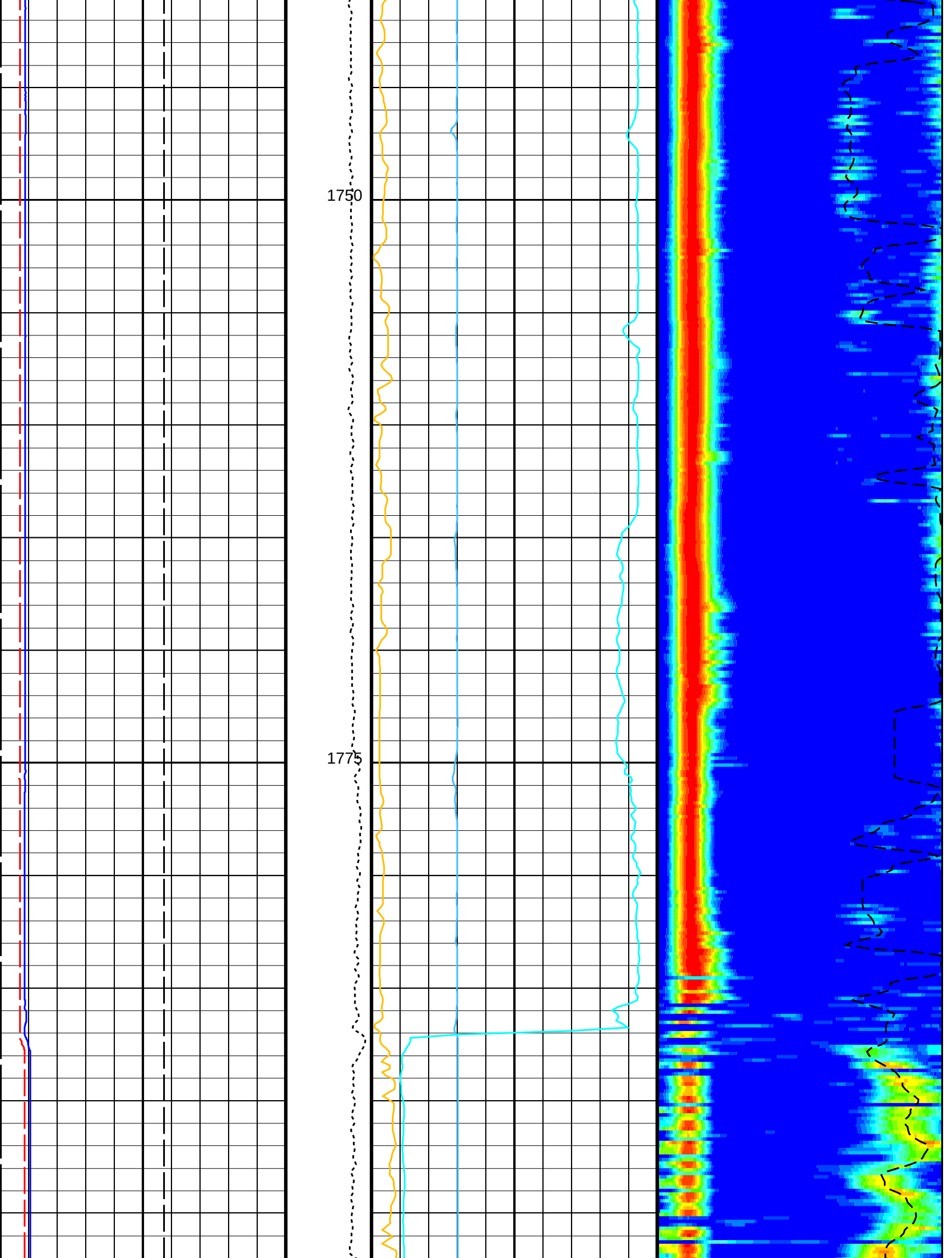
Peak Coherence / RA − Upper Dipole (CHR2) 0 (−−−−) 10

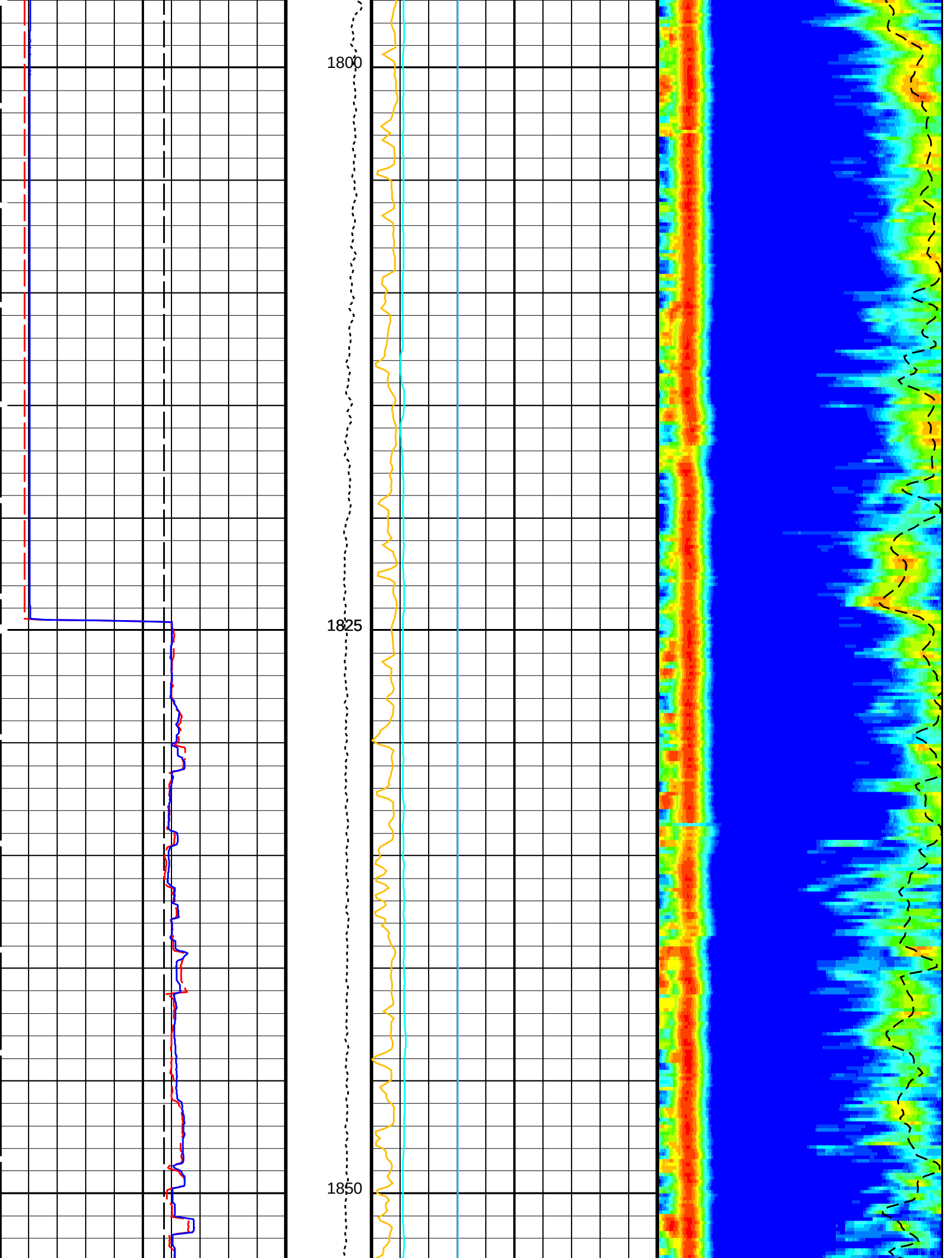
Min Amplitude Max

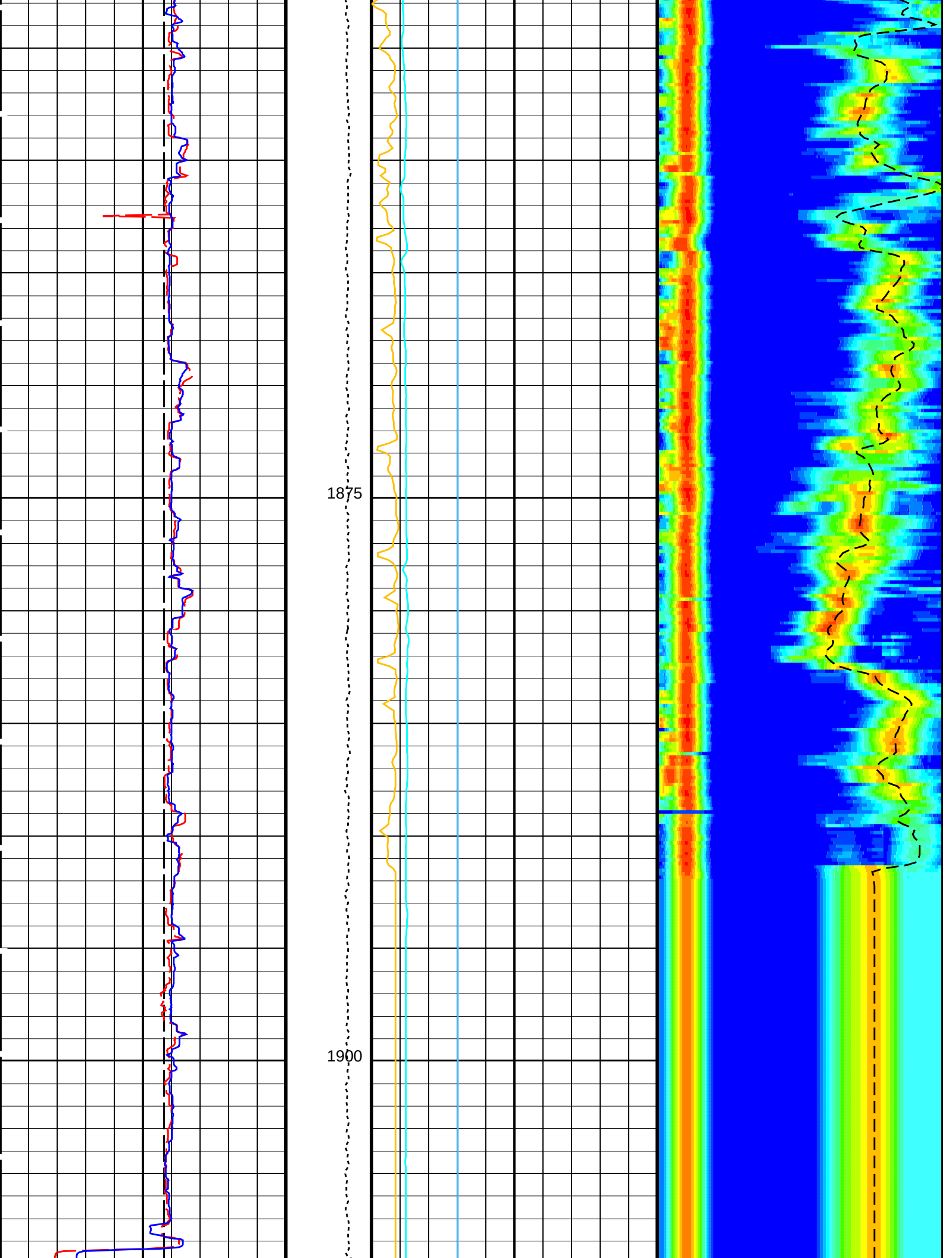
Rec.Array U.Dipole Slow Proj. CVDL (SPR2) 75 (US/F) 1200

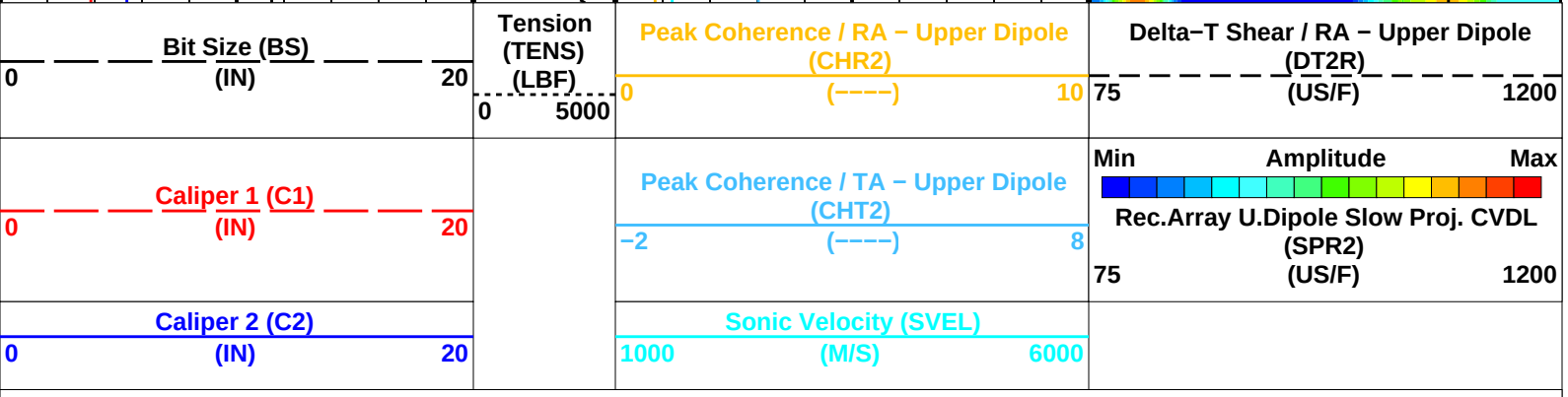
Delta−T Shear / RA − Upper Dipole (DT2R) 75 (US/F) 1200




1750
1775


1800
1825
1850


1875
1900



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	600	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 − Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status − Upper Dipole	255	
SBO2	STC Search Band Offset − Upper Dipole	3000	US
SBW2	STC Search Bandwidth − Upper Dipole	8000	US
SFC2	STC Formation Character − Upper Dipole	SELECTABLE	
SFM2	STC Filter − Upper Dipole	B1−2K	
SLL2	STC Slowness Lower Limit − Upper Dipole	40	US/F
SST2	STC Slowness Step − Upper Dipole	4	US/F
SSW2	STC Source Waveform − Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit − Upper Dipole	1400	US/F
SWD2	STC Slowness Width − Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill − Upper Dipole	0	US
TLL2	STC Time Lower Limit − Upper Dipole	600	US
TST2	STC Time Step − Upper Dipole	200	US
TUL2	STC Time Upper Limit − Upper Dipole	20440	US
TWD2	STC Time Width − Upper Dipole	2000	US
TWI2	STC Integration Time Window − Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_UPPER_DIPOLE_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 23−Aug−2021 04:24**

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_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24		
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24		

Input DLIS Files

DEFAULT	FMS_DSI_NGS_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M

OP System Version: 19C0−187

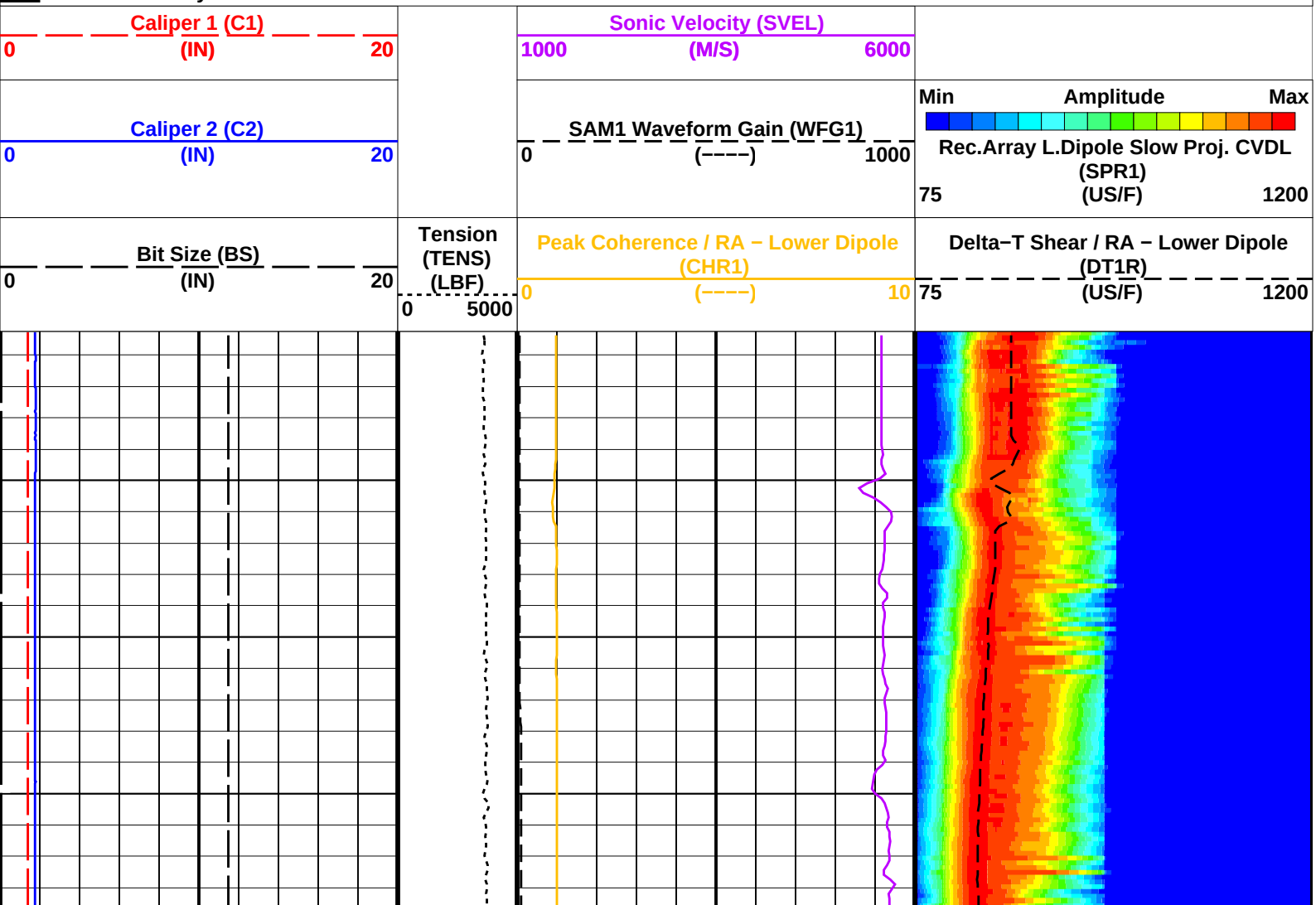
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

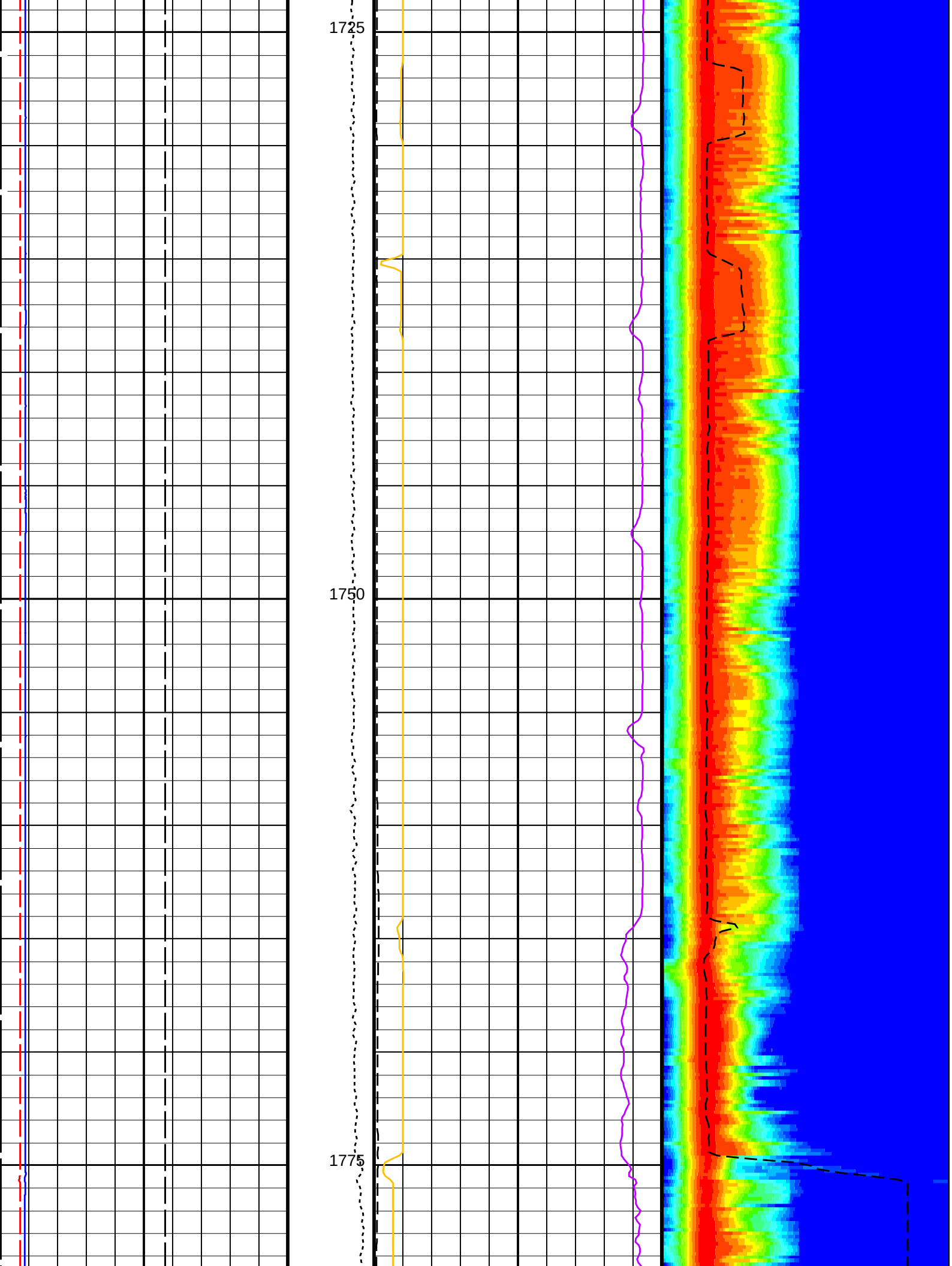
Changed Parameter Summary

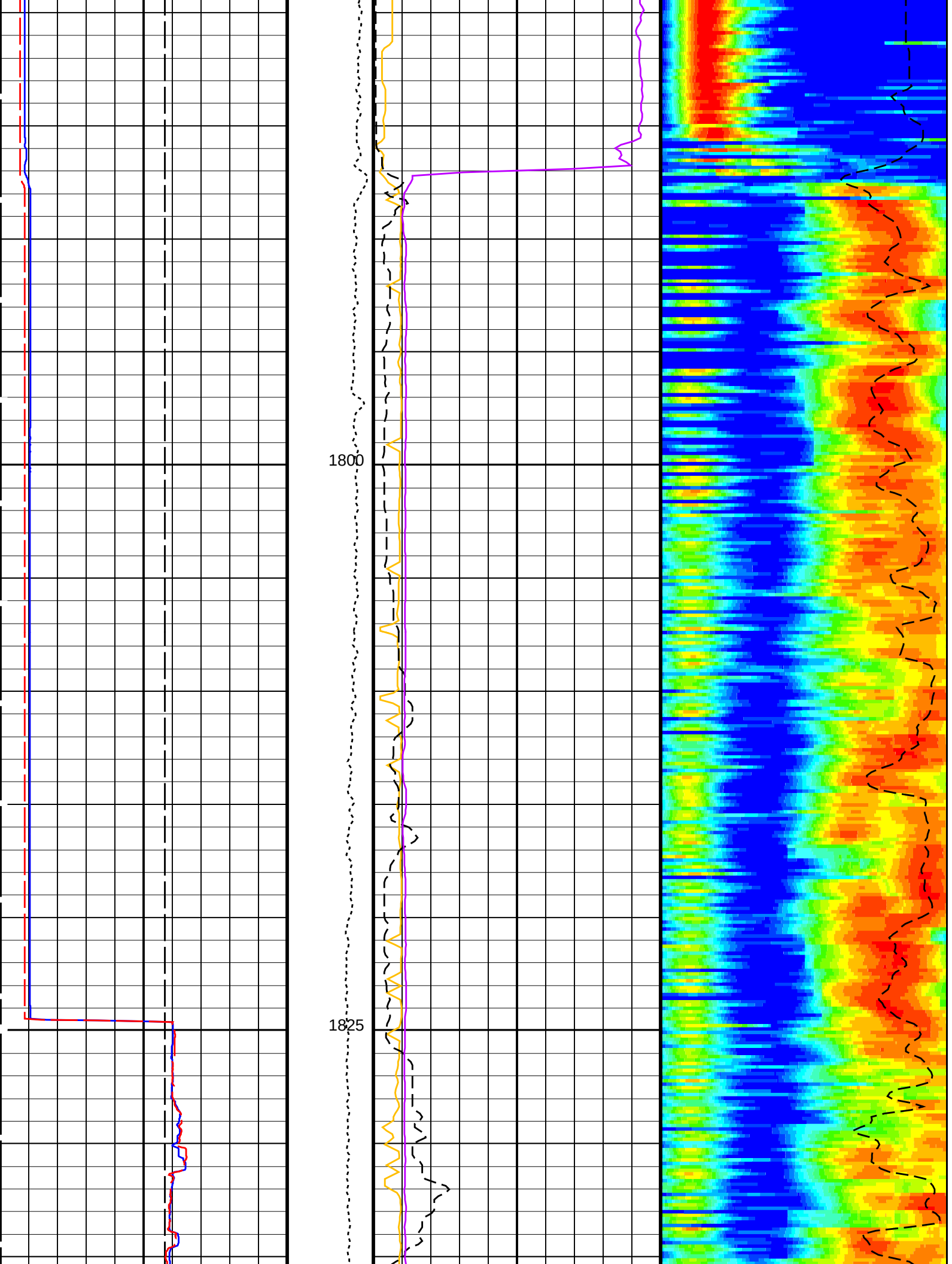
DLIS Name	New Value	Previous Value	Depth & Time
DSHL	600 US/F	600 US/F	1908.8 04:25:01
	75 US/F	600 US/F	1786.9 04:25:24

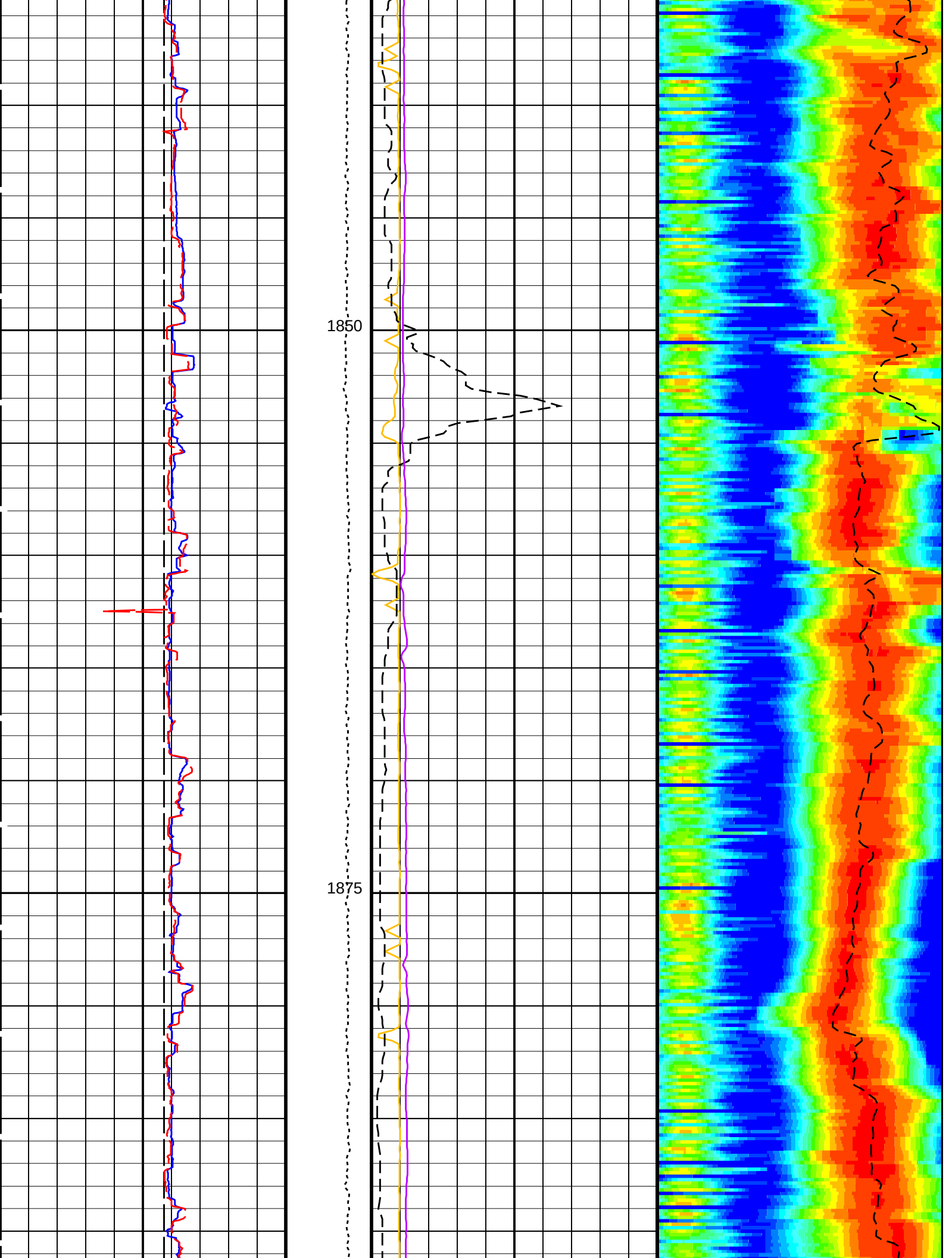
PIP SUMMARY

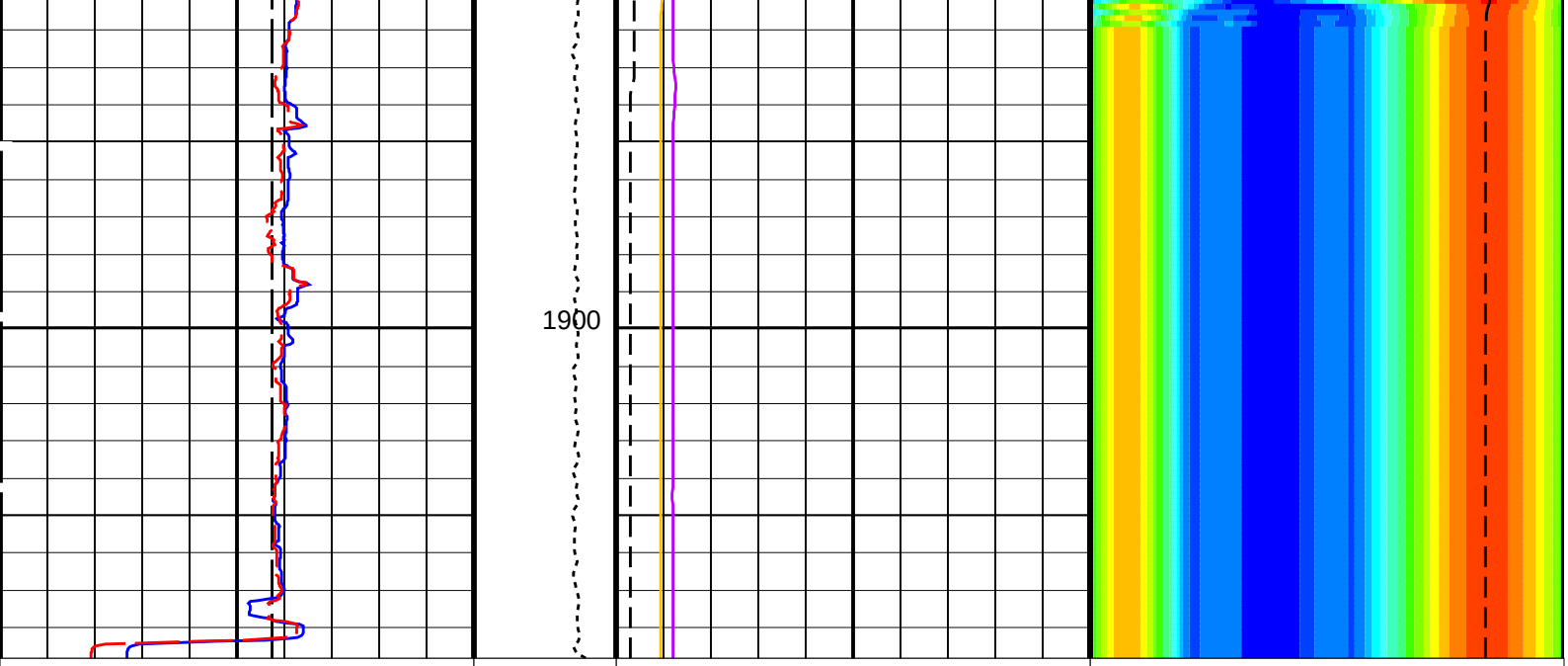
Time Mark Every 60 S




1725
1750
1775


1800
1825


1850
1875



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	600	US/F
DSHU	Label Slowness Upper Limit − Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta−T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 − Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X − Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status − Lower Dipole	255	
SBO1	STC Search Band Offset − Lower Dipole	3000	US
SBW1	STC Search Bandwidth − Lower Dipole	8000	US
SFC1	STC Formation Character − Lower Dipole	SELECTABLE	
SFM1	STC Filter − Lower Dipole	B.3−1.5K	
SLL1	STC Slowness Lower Limit − Lower Dipole	40	US/F
SST1	STC Slowness Step − Lower Dipole	4	US/F
SSW1	STC Source Waveform − Lower Dipole	WF_SAM1	

SUL1	STC Slowness Upper Limit − Lower Dipole	1400	US/F
SWD1	STC Slowness Width − Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill − Lower Dipole	0	US
TLL1	STC Time Lower Limit − Lower Dipole	600	US
TST1	STC Time Step − Lower Dipole	200	US
TUL1	STC Time Upper Limit − Lower Dipole	20440	US
TWD1	STC Time Width − Lower Dipole	2000	US
TWI1	STC Integration Time Window − Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 23−Aug−2021 04:24

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_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24		
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24		

Company: International Ocean Discovery Program Well: Expedition 396, Site U1567A

Input DLIS Files

DEFAULT	FMS_DSI_NGS_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 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

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
COLL	180 US/F	180 US/F	1908.8 04:25:01
	40 US/F	180 US/F	1786.9 04:25:24
COUL	240 US/F	220 US/F	1908.8 04:25:01
	70 US/F	240 US/F	1786.9 04:25:24

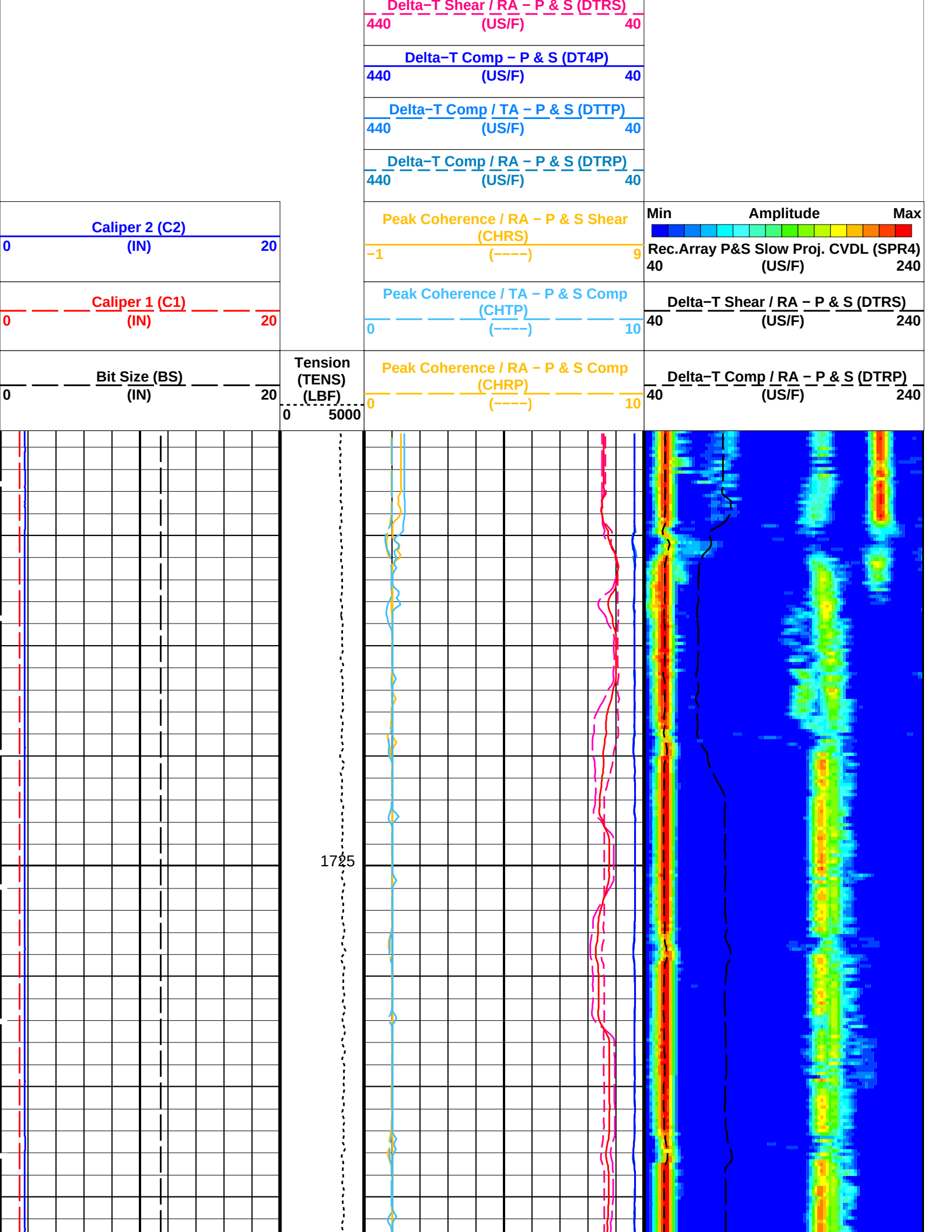
PIP SUMMARY

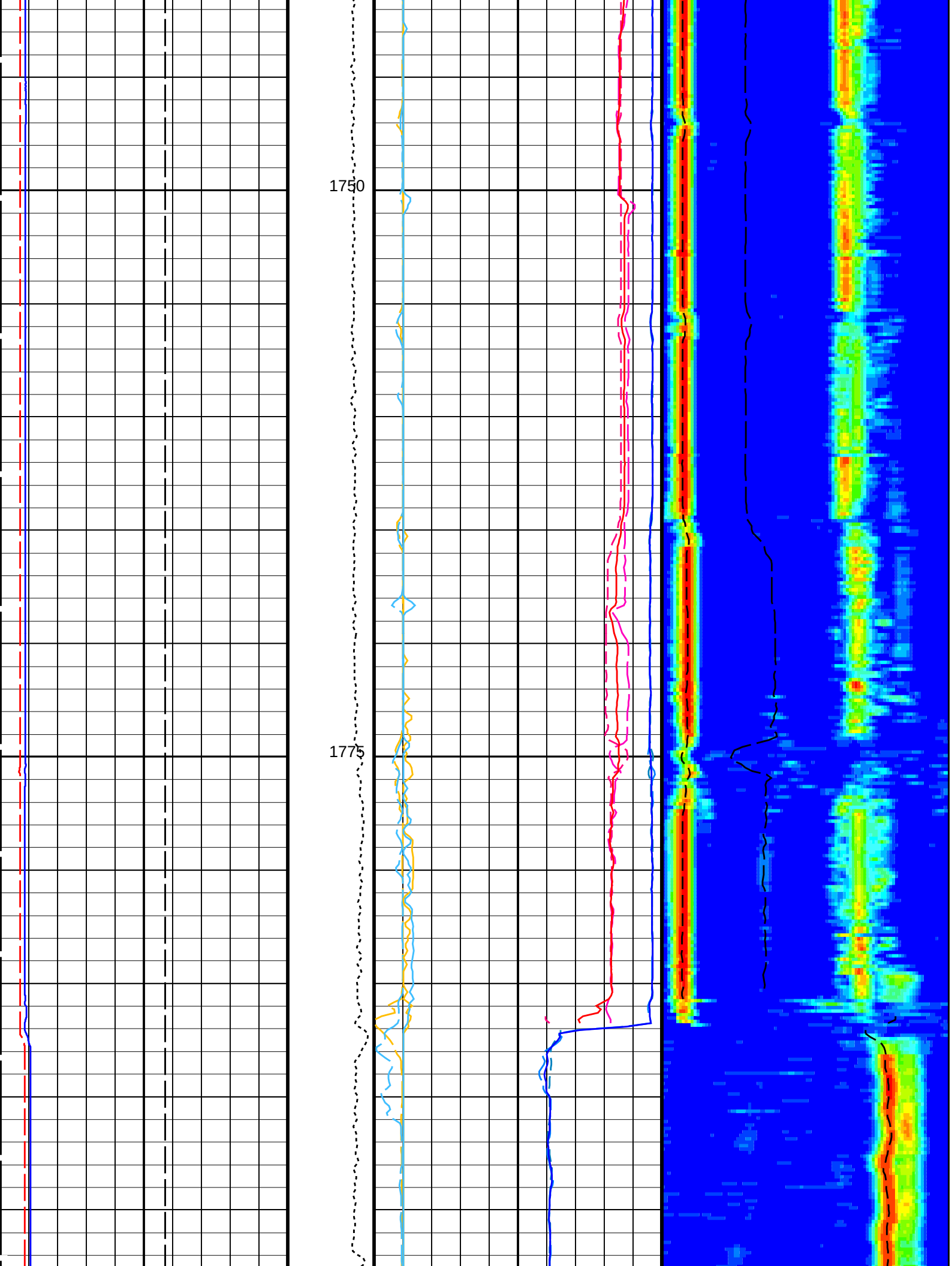
Time Mark Every 60 S

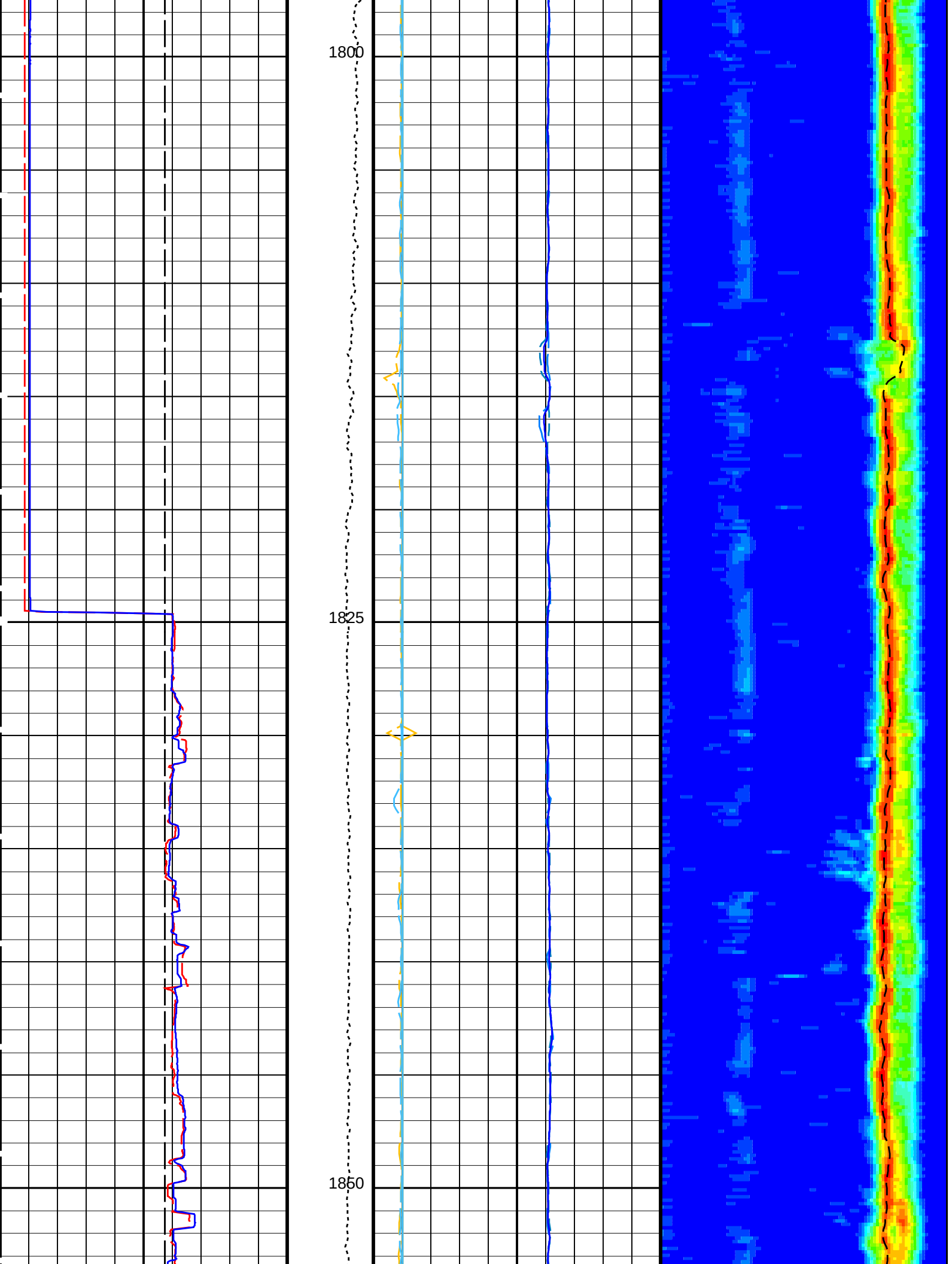
Peak Coherence / TA − P & S Shear (CHTS)
−1 (−−−−) 9

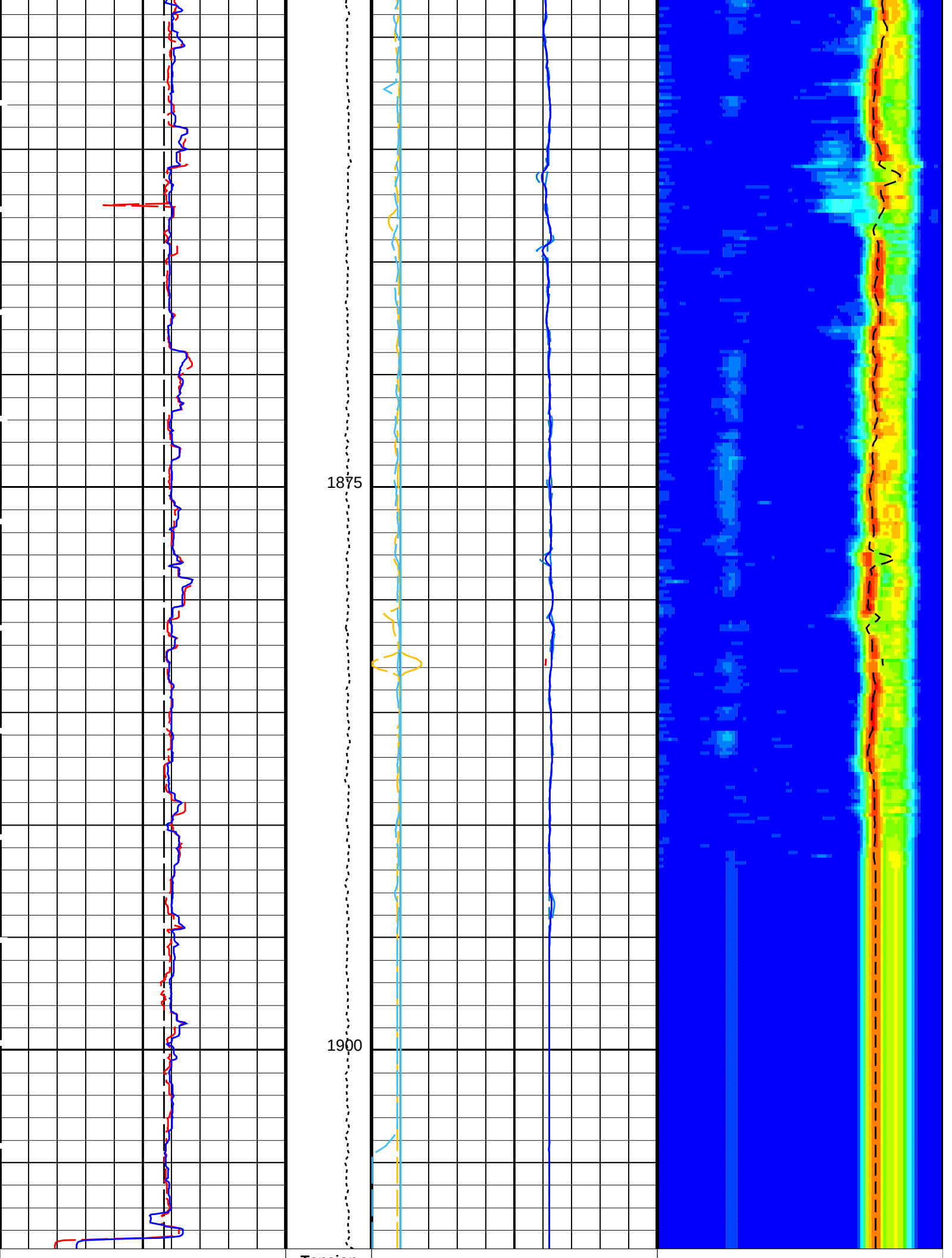
Delta−T Shear − P & S (DT4S)
440 (US/F) 40

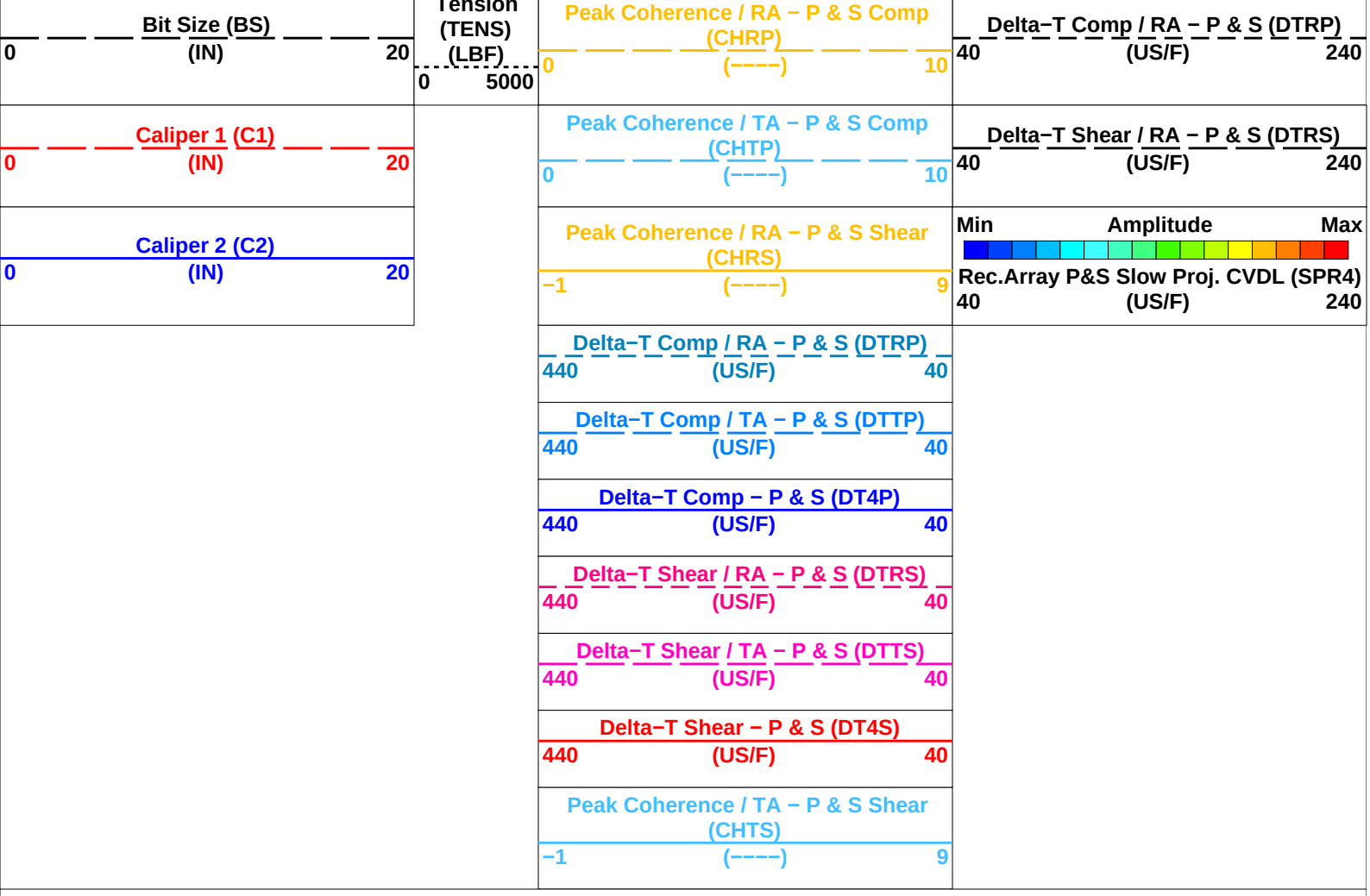
Delta−T Shear / TA − P & S (DTTS)
440 (US/F) 40


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
1725


1750
1775


1800
1825
1850


1875
1900



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	180	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

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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit − Monopole P&S	240	US/F
SWD4	STC Slowness Width − Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill − Monopole P&S	300	US
TLL4	STC Time Lower Limit − Monopole P&S	150	US
TST4	STC Time Step − Monopole P&S	50	US
TUL4	STC Time Upper Limit − Monopole P&S	3660	US
TWD4	STC Time Width − Monopole P&S	1000	US
TWI4	STC Integration Time Window − Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 23−Aug−2021 04:24**

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_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24		
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24		

Company: International Ocean Discovery Program **Well: Expedition 396, Site U1567A**

Input DLIS Files

DEFAULT	FMS_DSI_NGS_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 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

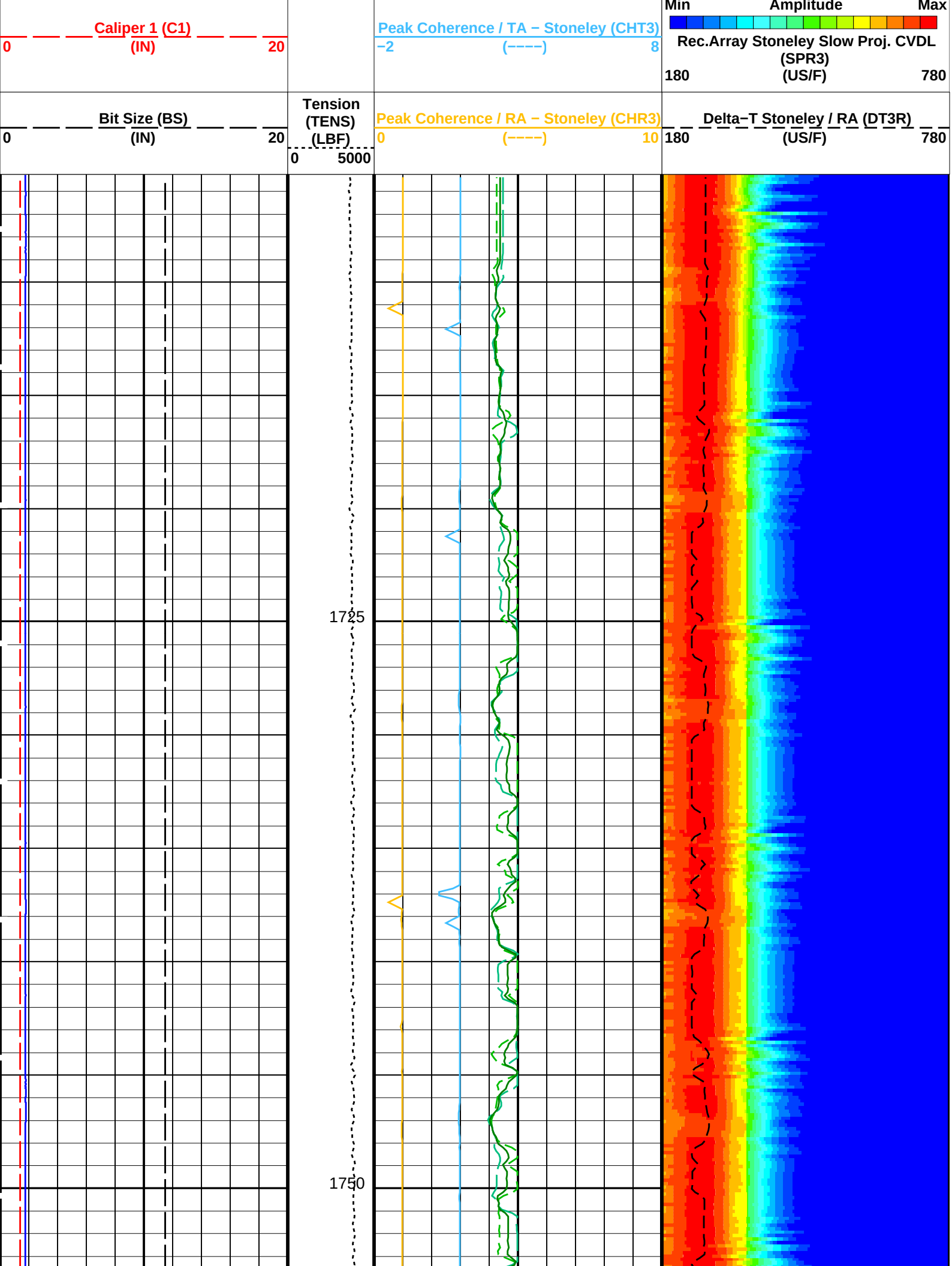
Time Mark Every 60 S

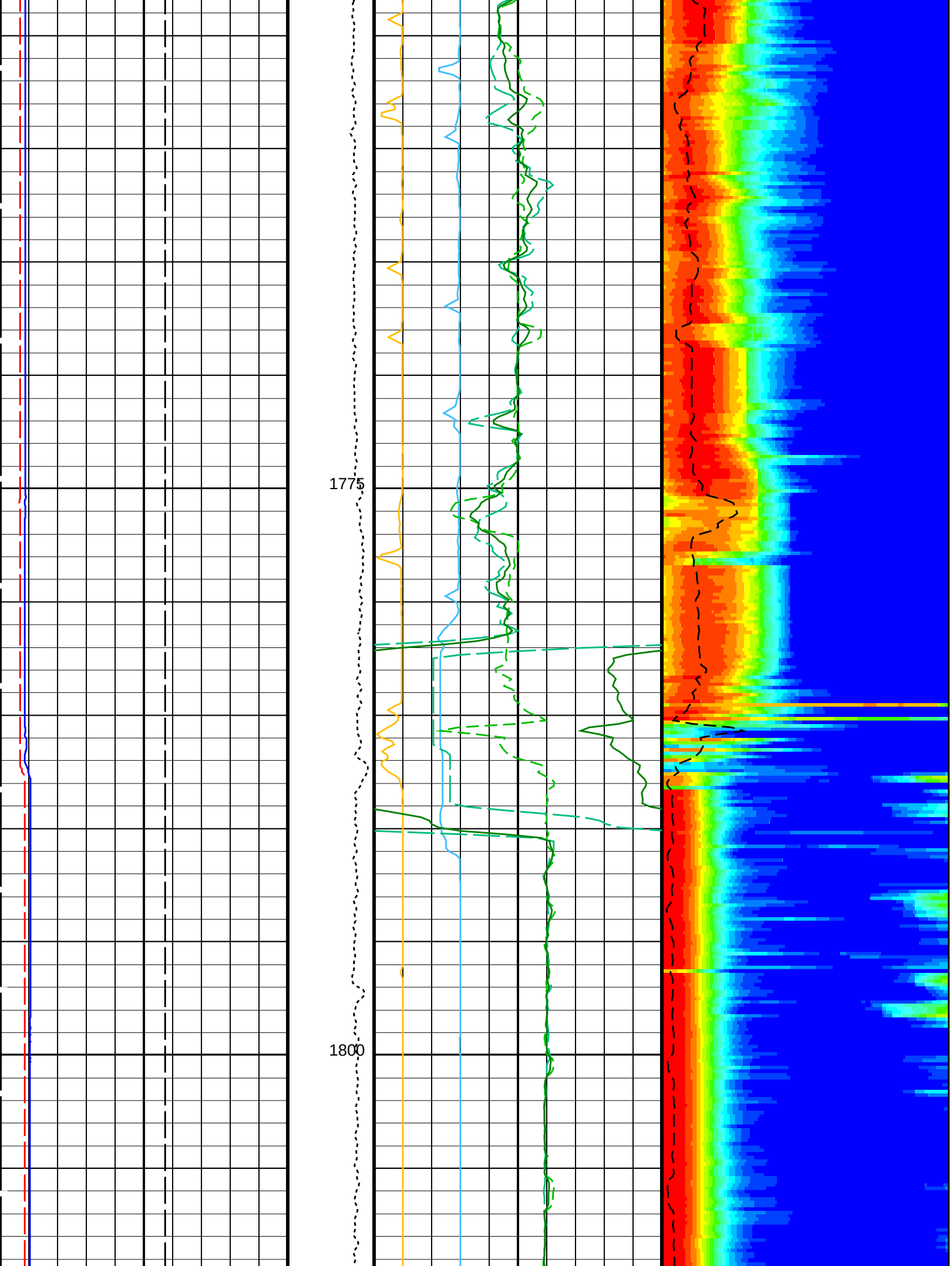
Delta−T Stoneley (DTST)		
440	(US/F)	40

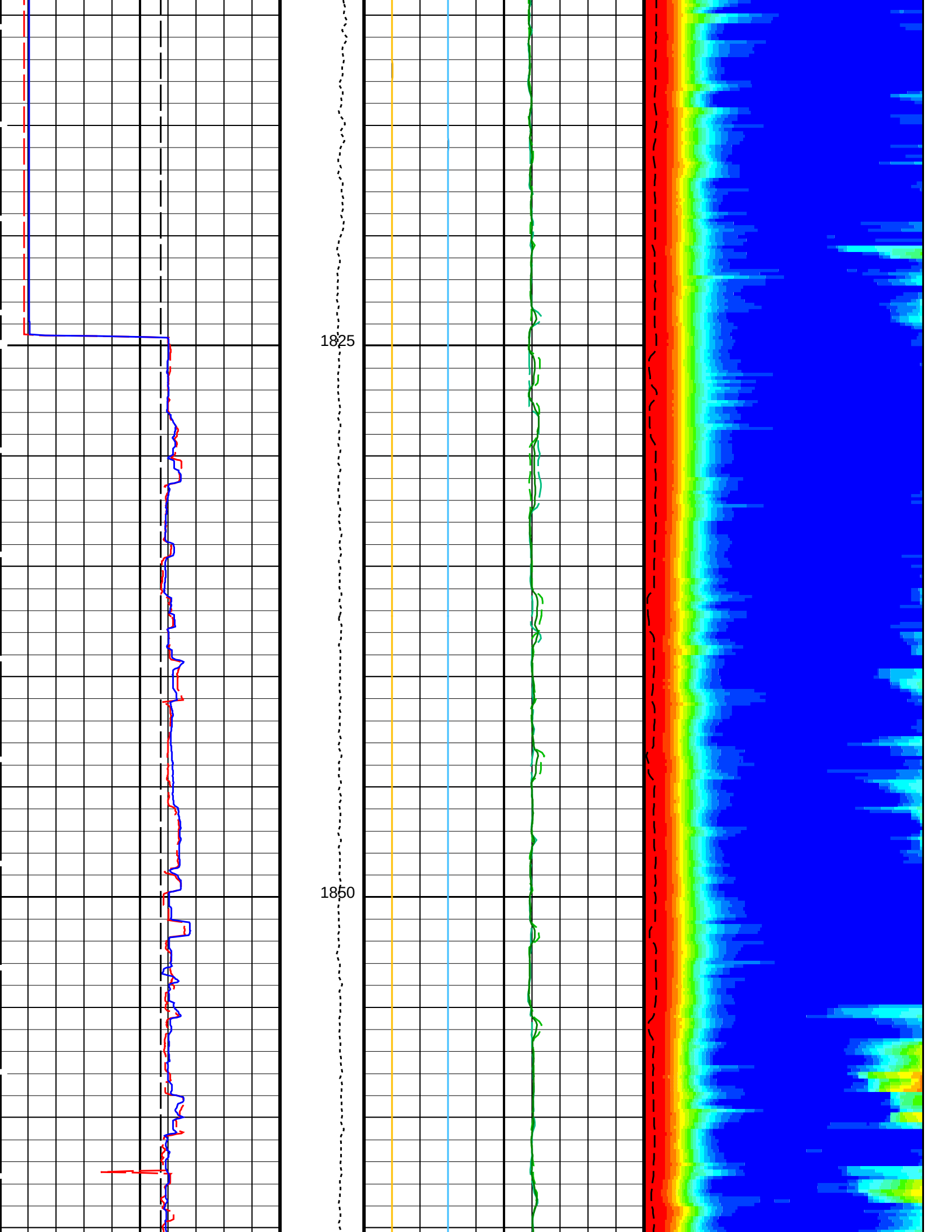
Delta−T Stoneley / TA (DT3T)		
440	(US/F)	40

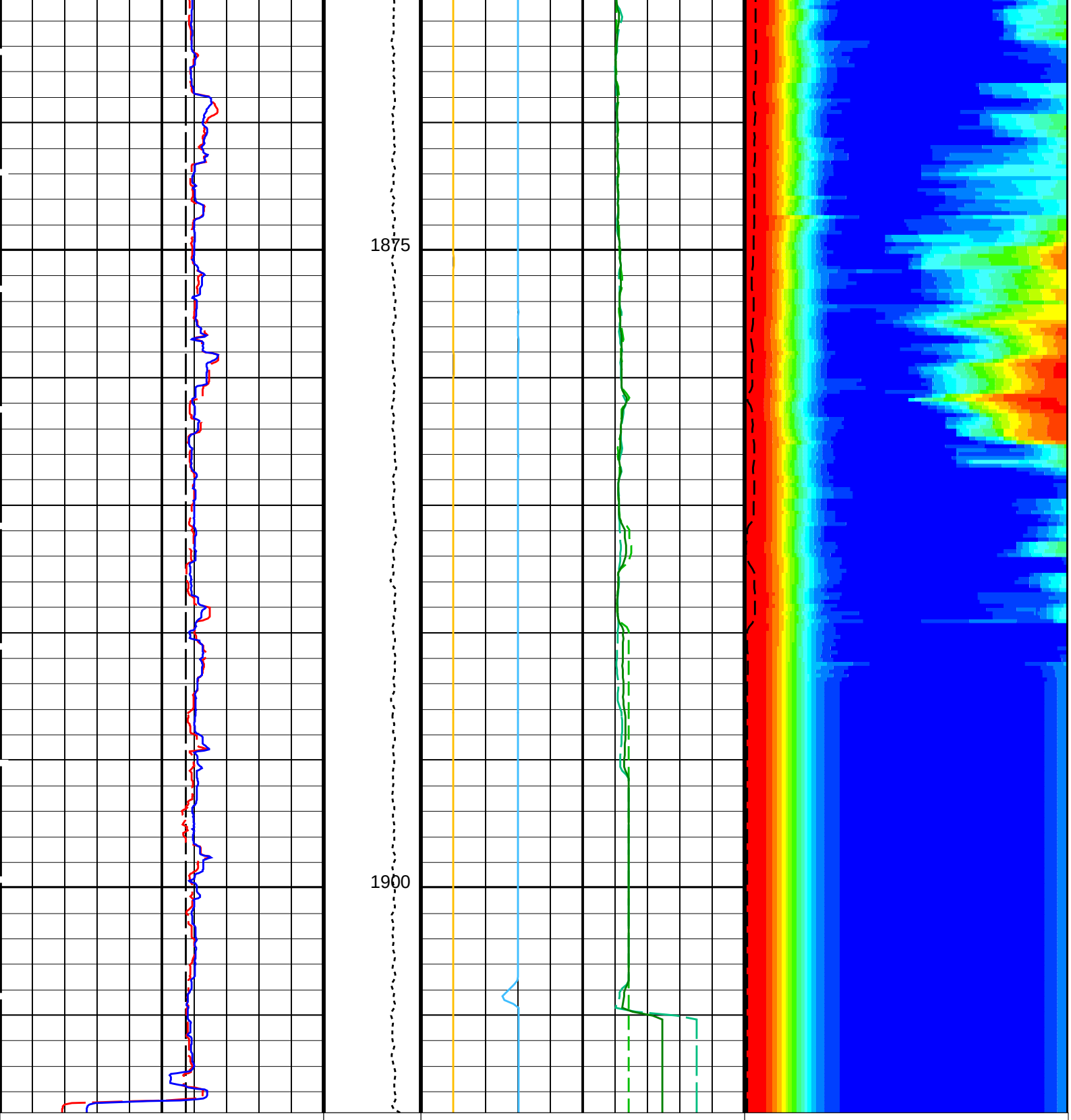
Caliper 2 (C2)		
0	(IN)	20

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


Caliper 1 (C1)
0
(IN)
20
Peak Coherence / TA − Stoneley (CHT3)
−2
(−−−−)
8
Min
Amplitude
Max
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
1725
1750


1775
1800


1825
1850



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
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA − Stoneley (CHT3) −2 (−−−−) 8	Min Amplitude Max Rec.Array Stoneley Slow Proj. CVDL (SPR3) 180 (US/F) 780
Caliper 2 (C2) 0 (IN) 20		Delta−T Stoneley / RA (DT3R) 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	180	US/F
STUL	Label Slowness Upper Limit − Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit − Monopole Stoneley	780	US/F
SWD3	STC Slowness Width − Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill − Monopole Stoneley	0	US
TLL3	STC Time Lower Limit − Monopole Stoneley	620	US
TST3	STC Time Step − Monopole Stoneley	200	US
TUL3	STC Time Upper Limit − Monopole Stoneley	12020	US
TWD3	STC Time Width − Monopole Stoneley	2000	US
TWI3	STC Integration Time Window − Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_STONELEY_VDL_COLOR **Vertical Scale: 1:200** **Graphics File Created: 23−Aug−2021 04:24**

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_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24

Input DLIS Files

DEFAULT	FMS_DSI_NGS_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

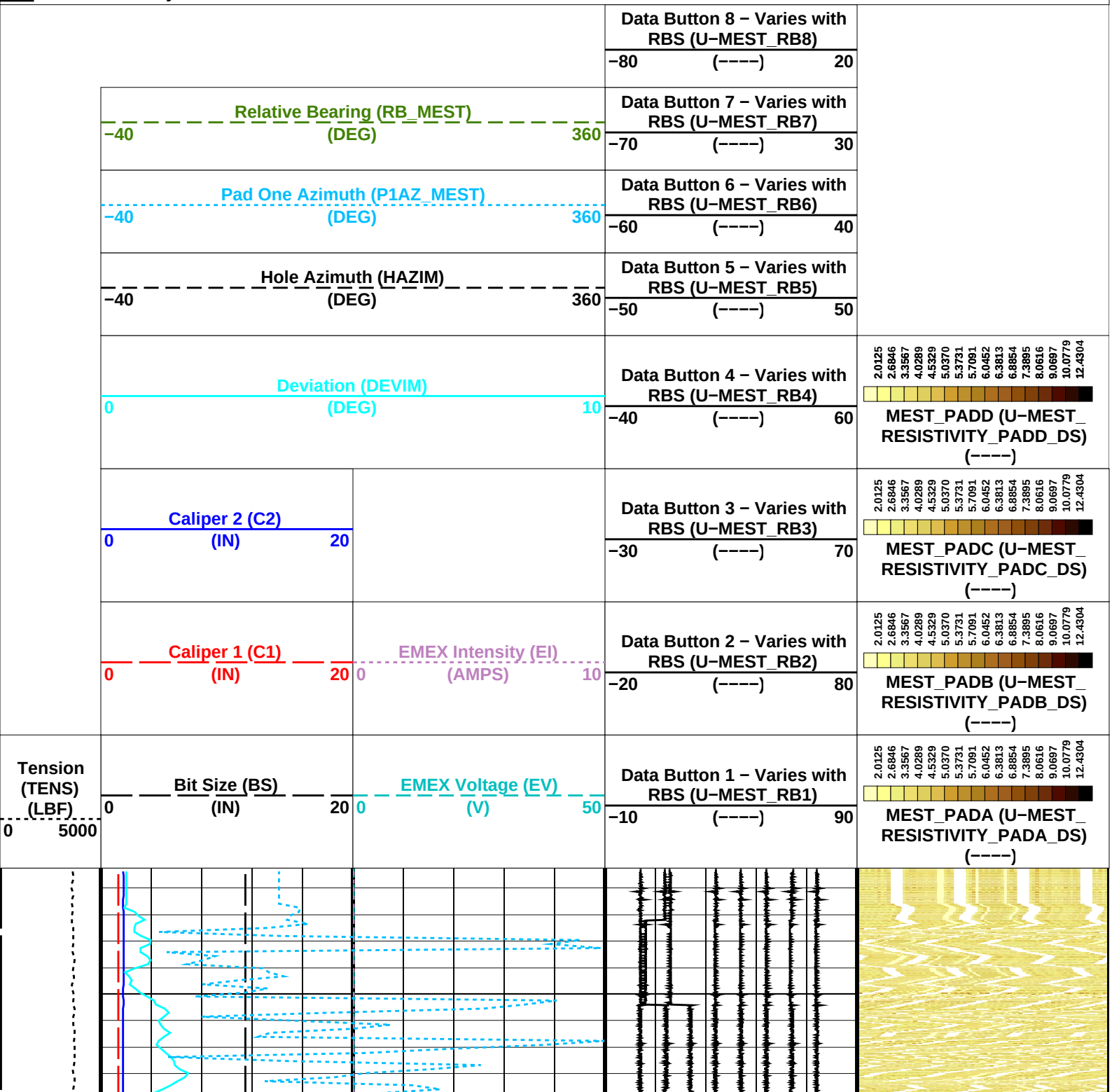
DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24	1908.8 M	1705.2 M

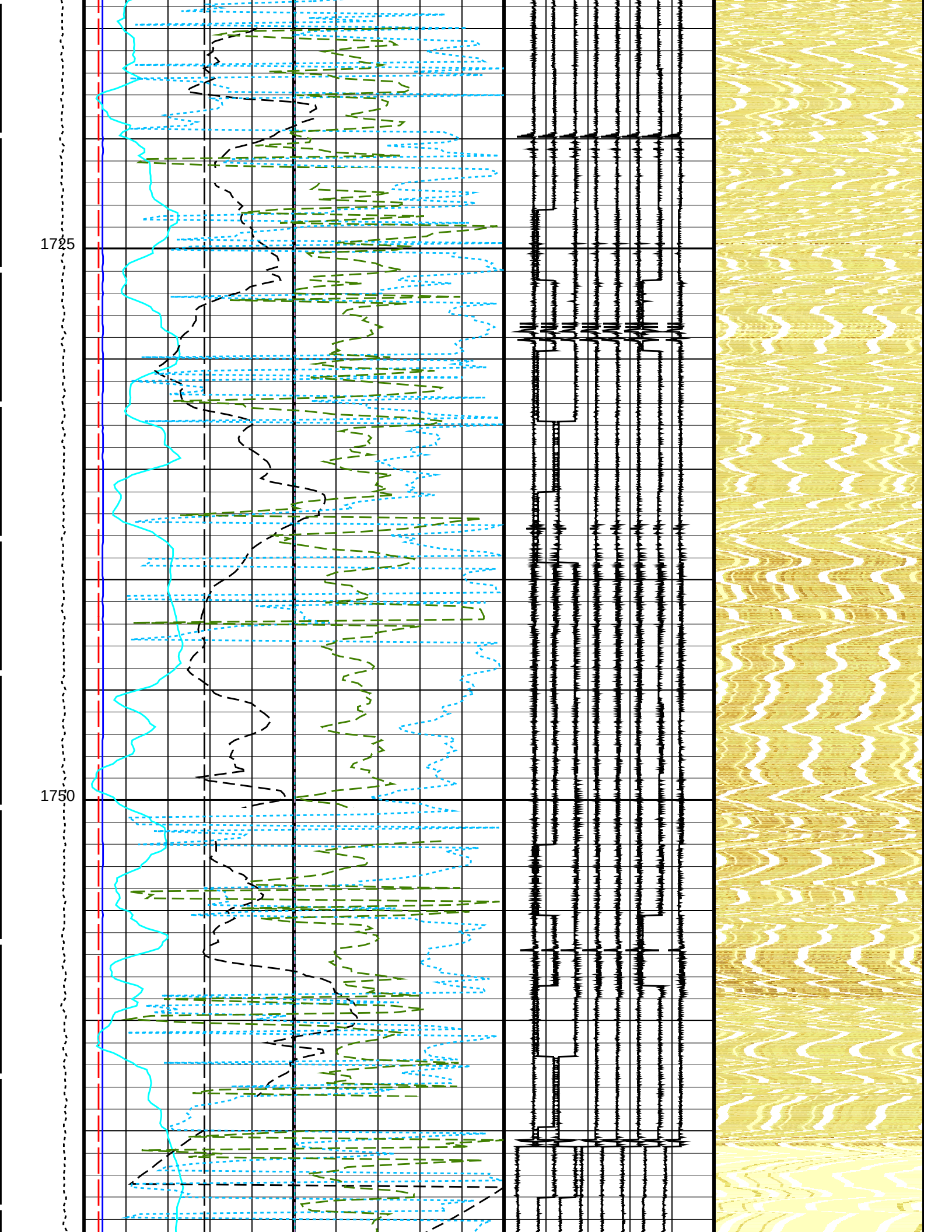
OP System Version: 19C0−187

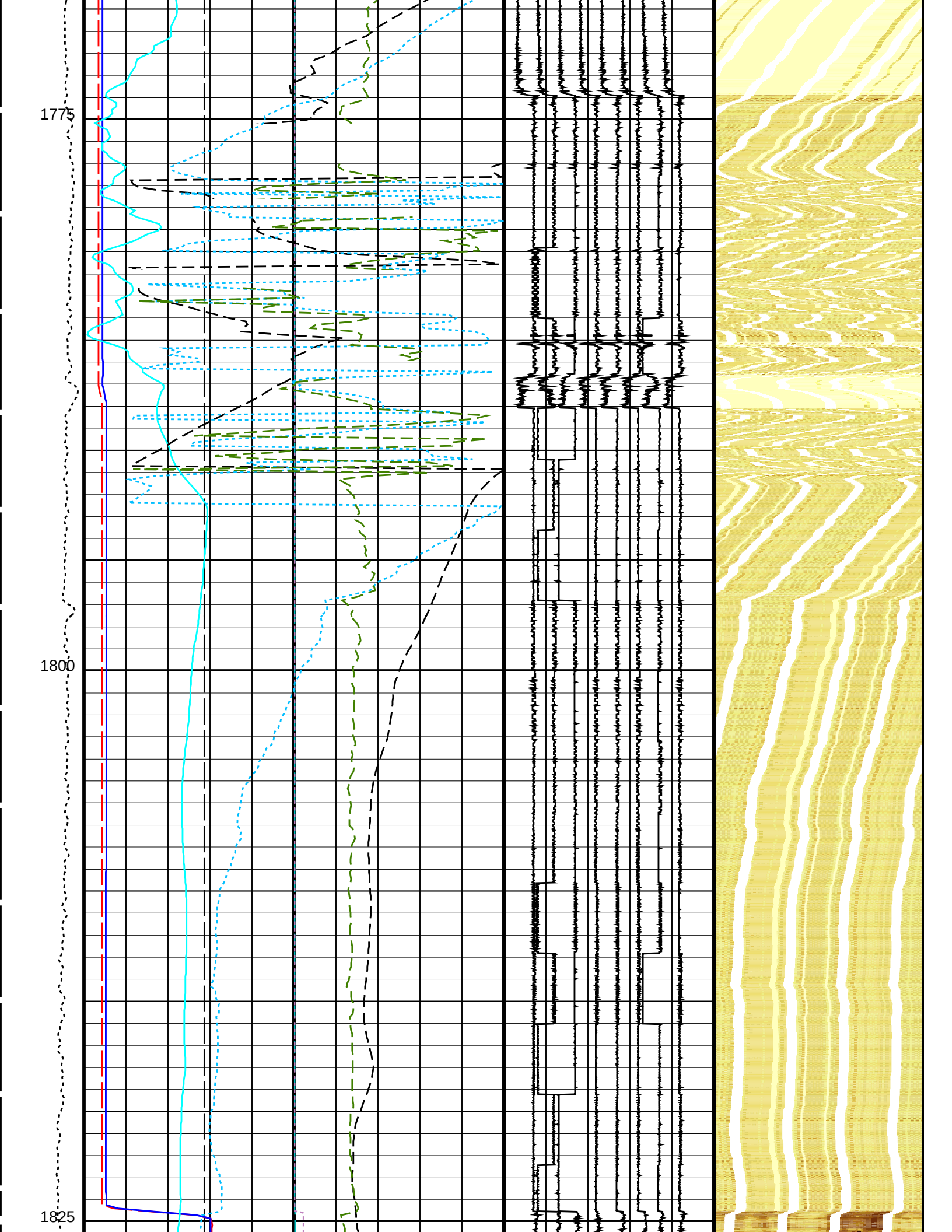
MEST−B	19C0−187	DTA−A	19C0−187
DSST−B	19C0−187	HNGC−B	19C0−187
HNGS−BA	19C0−187	DTC−H	19C0−187

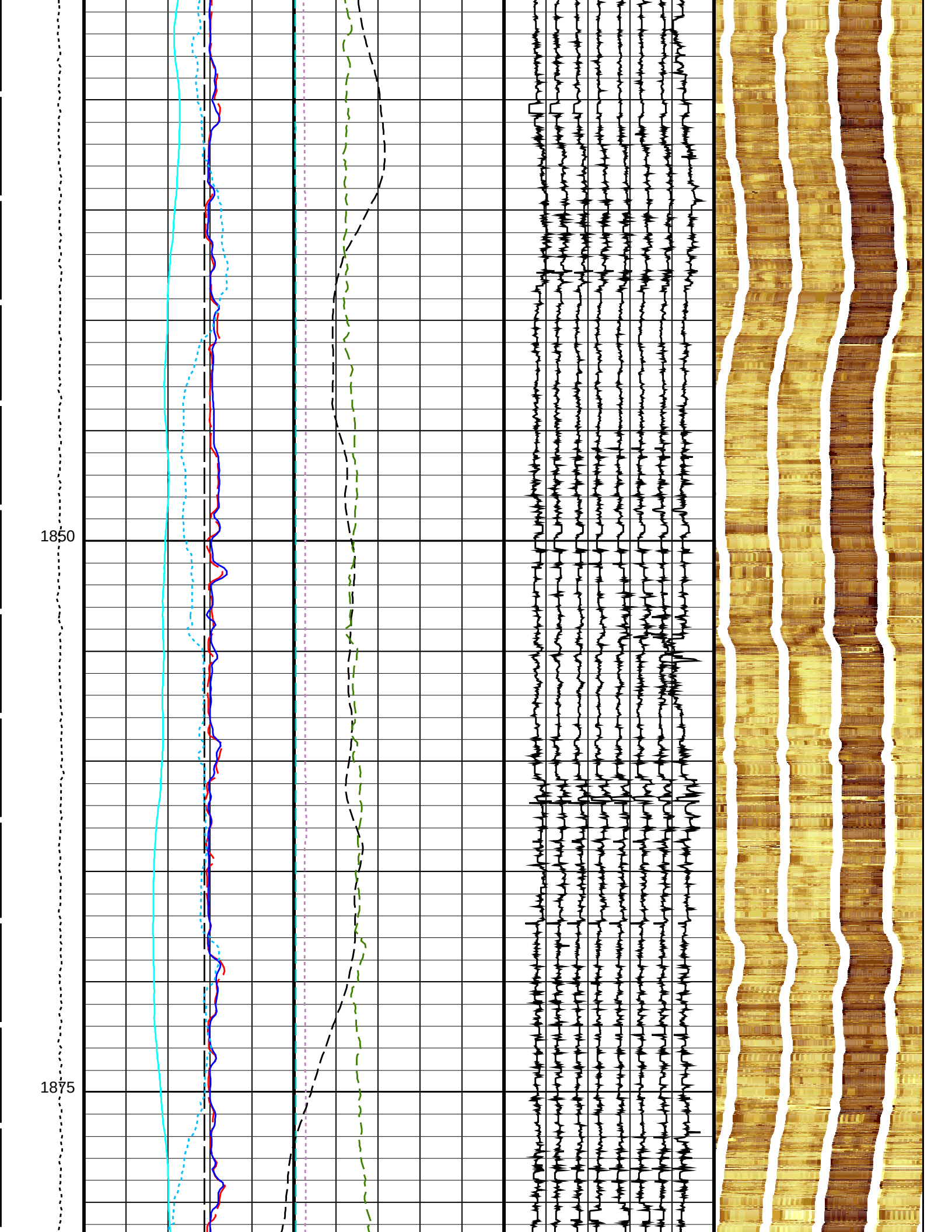
PIP SUMMARY

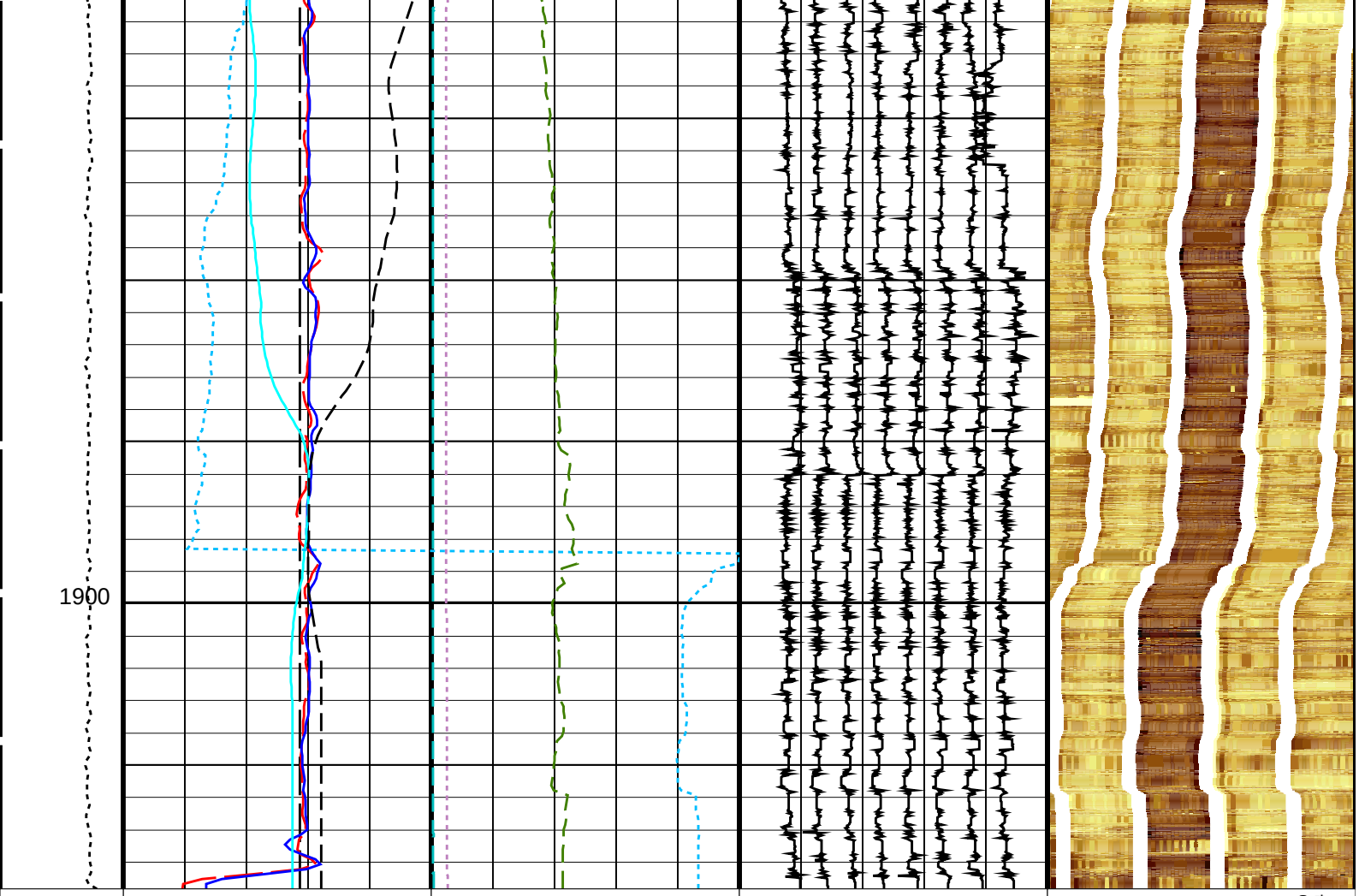
Time Mark Every 60 S




1725
1750


1775
1800
1825


1850
1875



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	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	MEST_PADB (U−MEST_RESISTIVITY_PADB_DS) (−−−−)
	Caliper 2 (C2) 0 (IN) 20		Data Button 3 − Varies with RBS (U−MEST_RB3) −30 (−−−−) 70	MEST_PADC (U−MEST_RESISTIVITY_PADC_DS) (−−−−)
	Deviation (DEVIM) 0 (DEG) 10		Data Button 4 − Varies with RBS (U−MEST_RB4) −40 (−−−−) 60	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)	

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

−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	0.766959	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	11.438	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: 23−Aug−2021 04:24**

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_025LUP	FN:30	PRODUCER	23−Aug−2021 03:16	1908.8 M	1705.2 M

Output DLIS Files

DEFAULT	FMS_DSI_NGS_031PUP	FN:38	PRODUCER	23−Aug−2021 04:24
RTB	FMS_DSI_NGS_031PUP	FN:39	PRODUCER	23−Aug−2021 04:24

Schlumberger

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: 23−Aug−2021 1:25							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC

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: 23−Aug−2021 1:25

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: 22−Aug−2021 20:59 After: 23−Aug−2021 0:24

Na 511 Peak Loc	40.00	39.25	39.60	39.54	−0.06104	1.000	
Na 511 Peak Res	15.50	16.53	14.91	16.48	1.579	2.000	%
High Voltage	1150	1197	1179	1181	1.579	N/A	V
Na 1785 Peak Loc	142.6	141.8	141.8	141.6	−0.1164	7.000	
Na 1785 Peak Res	8.500	8.905	8.936	7.264	−1.671	2.000	%
Temperature	15.50	26.59	18.29	17.75	−0.5465	N/A	DEGC
Na Count Rate	45.00	12.01	10.39	11.09	0.6994	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration − Detector 2 Check
Master: Calibration out of date 2−May−2021 10:04 Before: 22−Aug−2021 20:59 After: 23−Aug−2021 0:24

Na 511 Peak Loc	40.00	39.88	39.88	39.62	−0.2551	1.000	
Na 511 Peak Res	15.50	15.29	15.33	15.94	0.6107	2.000	%
High Voltage	1150	1122	1106	1105	−1.054	N/A	V
Na 1785 Peak Loc	142.6	142.6	143.1	140.7	−2.368	7.000	
Na 1785 Peak Res	8.500	8.040	8.635	9.550	0.9146	2.000	%
Temperature	15.50	27.21	18.87	19.45	0.5789	N/A	DEGC
Na Count Rate	45.00	12.32	10.24	10.92	0.6809	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: 22−Aug−2021 20:59 After: 23−Aug−2021 0:24

Coincidence Count Rate Ratio	1.000	0.9728	1.014	1.016	0.001396	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	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.25	Master		16.53	Master		1197

Phase	Value
Before	39.60
After	39.54

37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)

Phase	Value
Before	14.91
After	16.48

12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)

Phase	Value
Before	1179
After	1181

900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)

Phase	Na 1785 Peak Loc	Value
Master		141.8
Before		141.8
After		141.6

135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)

Phase	Na 1785 Peak Res %	Value
Master		8.905
Before		8.936
After		7.264

7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)

Phase	Temperature DEGC	Value
Master		26.59
Before		18.29
After		17.75

−28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)

Phase	Na Count Rate CPS	Value
Master		12.01
Before		10.39
After		11.09

10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)

Master: Calibration out of date 2−May−2021 10:04 Before: 22−Aug−2021 20:59 After: 23−Aug−2021 0:24

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value
Master		39.88
Before		39.88
After		39.62

37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)

Phase	Na 511 Peak Res %	Value
Master		15.29
Before		15.33
After		15.94

12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)

Phase	High Voltage V	Value
Master		1122
Before		1106
After		1105

900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)

Phase	Na 1785 Peak Loc	Value
Master		142.6
Before		143.1
After		140.7

135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)

Phase	Na 1785 Peak Res %	Value
Master		8.040
Before		8.635
After		9.550

7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)

Phase	Temperature DEGC	Value
Master		27.21
Before		18.87
After		19.45

−28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)

Phase	Na Count Rate CPS	Value
Master		12.32
Before		10.24
After		10.92

10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)

Master: Calibration out of date 2−May−2021 10:04 Before: 22−Aug−2021 20:59 After: 23−Aug−2021 0:24

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Ratio Of Detector 1 To Detector 2

Phase	Coincidence Count Rate Ratio	Value
Master		0.9728
Before		1.014
After		1.016

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

Master: Calibration out of date 2−May−2021 10:04
Before: 22−Aug−2021 20:59
After: 23−Aug−2021 0:24

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

DTCH	Telemetry Cartridge Housing	ECH	RC	9542

Company:	**International Ocean Discovery Program**
Well:	**Expedition 396, Site U1567A**
Field:	**Mid−Norwegian Cont. Margin Magmatism**
Rig:	**JOIDES Resolution**
Country:	**Iceland**

Schlumberger

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