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**OTHER SERVICES1**

- OS1: HNGS
- OS2: HLDS
- OS3: HRLA
- OS4: MSS
- OS5: UBI, VSI

**REMARKS: RUN NUMBER 1**

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

Drill pipe set at 2160.7 mbrf.

Fluid type was seawater 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.

Caliper closed prior to shutting off compensator and entering pipe or casing.

Sonic run with LD=LF, UD=Std., and monopole=std. frequencies





EMEX disabled at 2170mbrf; no valid FMS data above that point.

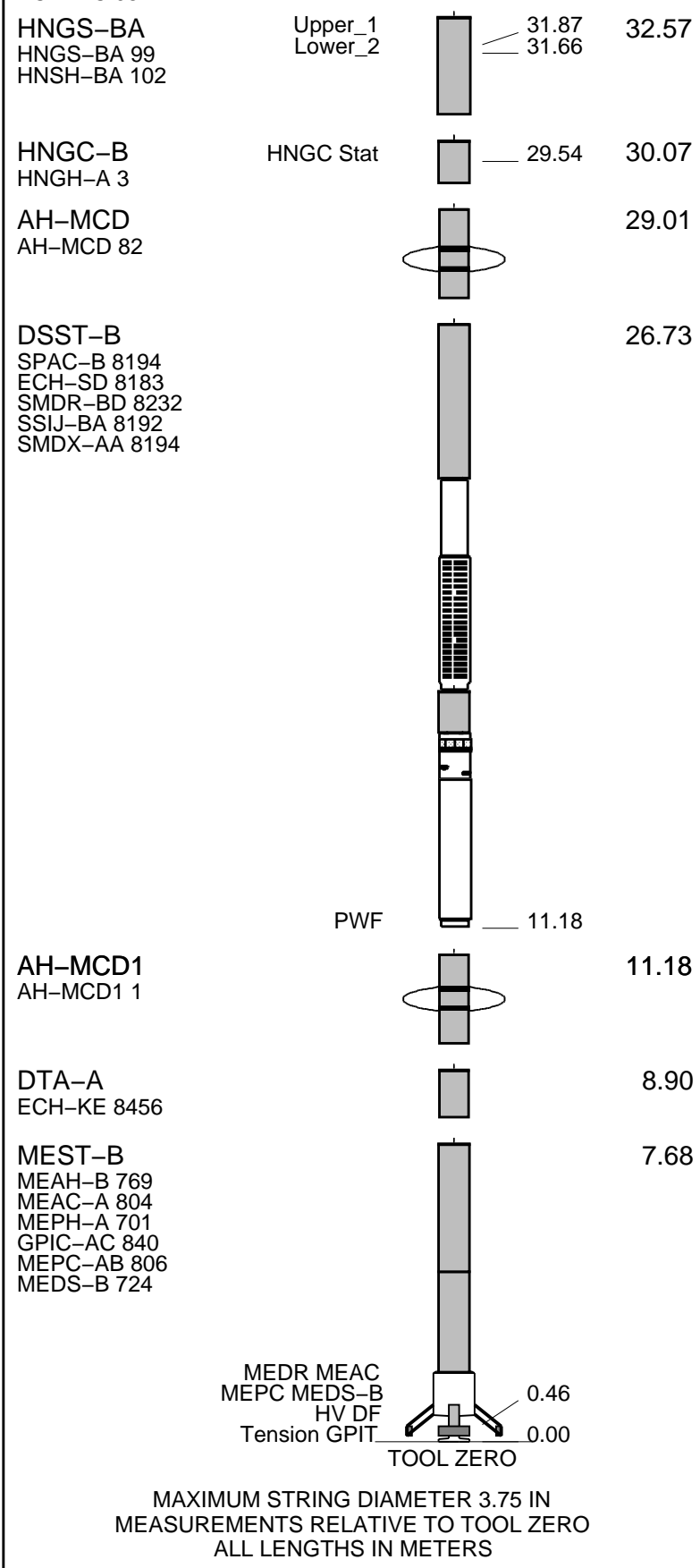
Downlog flipped and note the caliper closed logging down.

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 19C0-187			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

**EQUIPMENT DESCRIPTION**

RUN 1	RUN 2
<b>SURFACE EQUIPMENT</b>	
GSR-U 6098 WITM (DTS)-A	

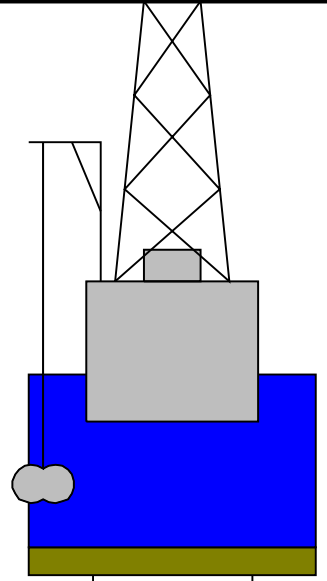
DOWNHOLE EQUIPMENT	
LEH-QT LEH-QT 301	 34.81
AH-369	 33.92
DTC-H	 33.49
ECH-KC 9842	 32.57
CTEM TelStatus ToolStatu	33.21



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

Kelly Bushing Elevation  
 Derrick Floor Elevation  
 Mean Sea Level  
 Seismic Gun depth below MSL

0.0  
 0.0  
 11.1  
 6.0



0.0 5.500 4.125



2110.3 9.875  
 2160.7 5.500 4.125  
 2292.0 9.875

Sea Floor  
 Pipe  
 Driller's TD

**Schlumberger**

**Downlog**

MAXIS Field Log

**Input DLIS Files**

DEFAULT	Flip_FMS_DSI_NGS_043LUP	PRODUCER	21-Aug-2021 13:20	2255.1 M	2068.8 M
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**Output DLIS Files**

DEFAULT	FMS_DSI_NGS_044PUP	FN:45	PRODUCER	21-Aug-2021 13:21	2255.1 M	2068.8 M
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**OP System Version: 19C0-187**

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

PIP SUMMARY

Time Mark Every 60 S

**HNGS Spectroscopy Gamma Ray (HSGR)**  
0 (GAPI) 100

**Area1**  
From HCGR to HSGR

**HNGS Computed Gamma Ray (HCGR)**  
0 (GAPI) 100

**Caliper 2 (C2)**  
6 (IN) 16

**Caliper 1 (C1)**  
6 (IN) 16

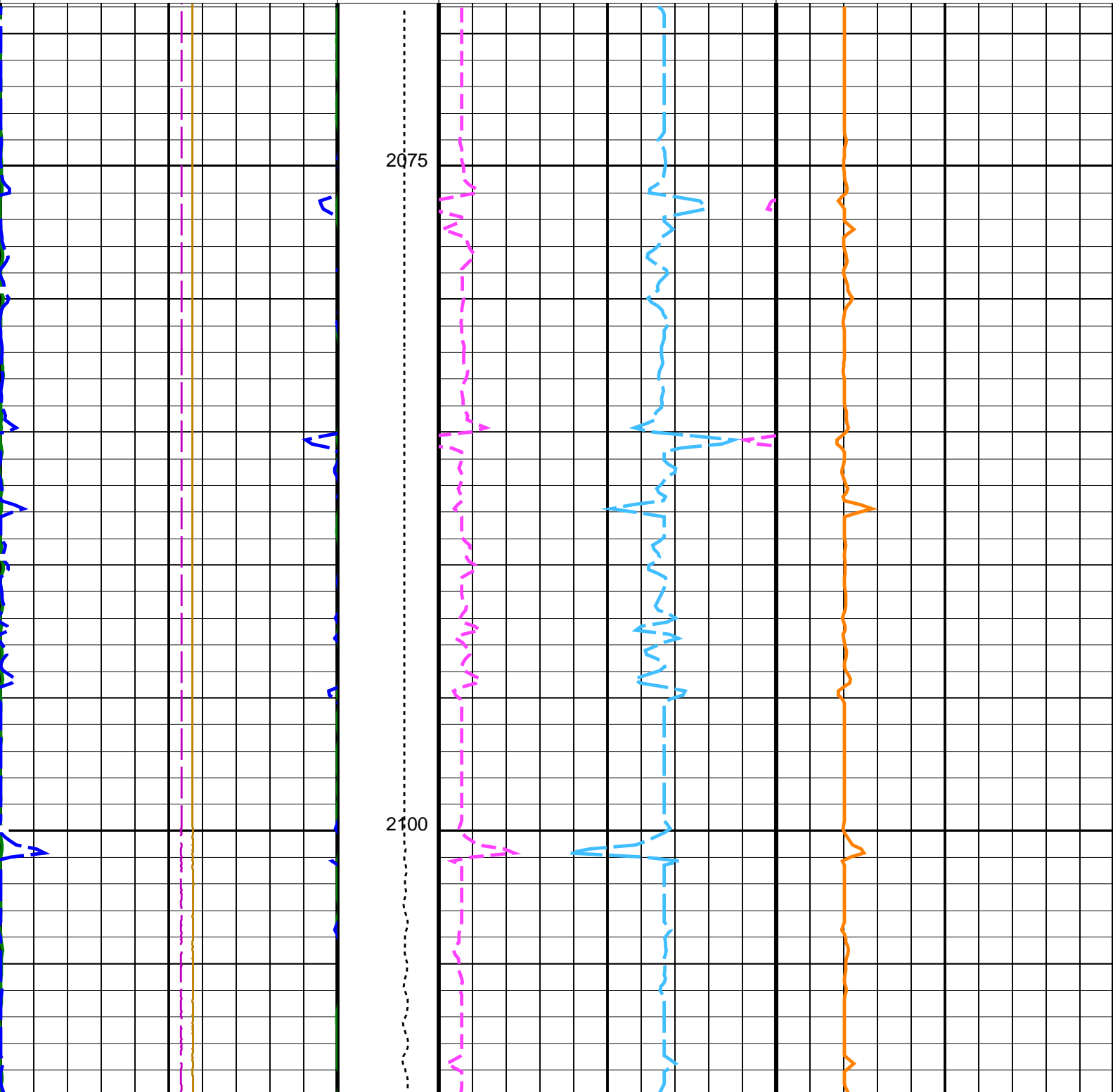
**HNGS Borehole Potassium (HBHK)**  
-0.05 (----) 0.05

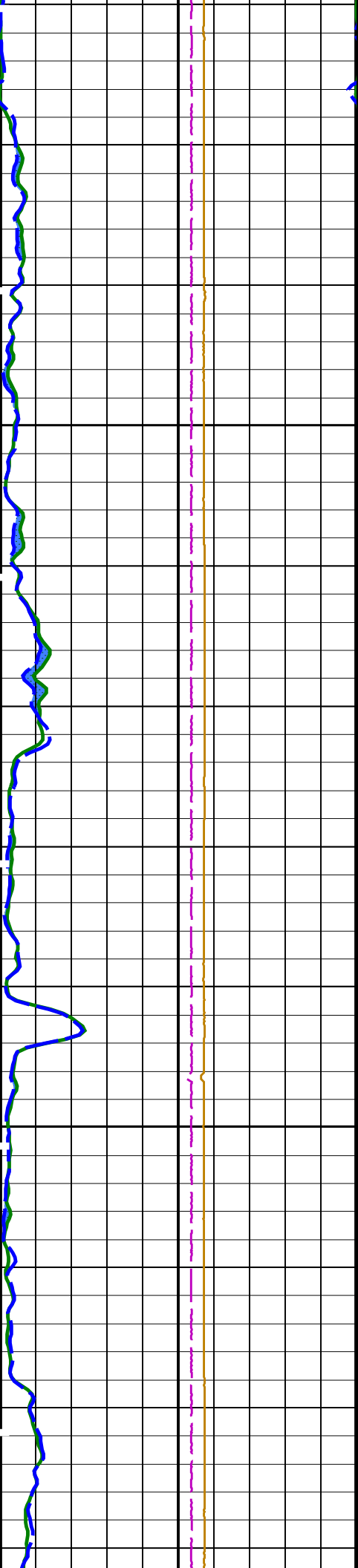
**HNGS Uranium (HURA)**  
-5 (PPM) 10

**HNGS Thorium (HTHO)**  
-1 (PPM) 14

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

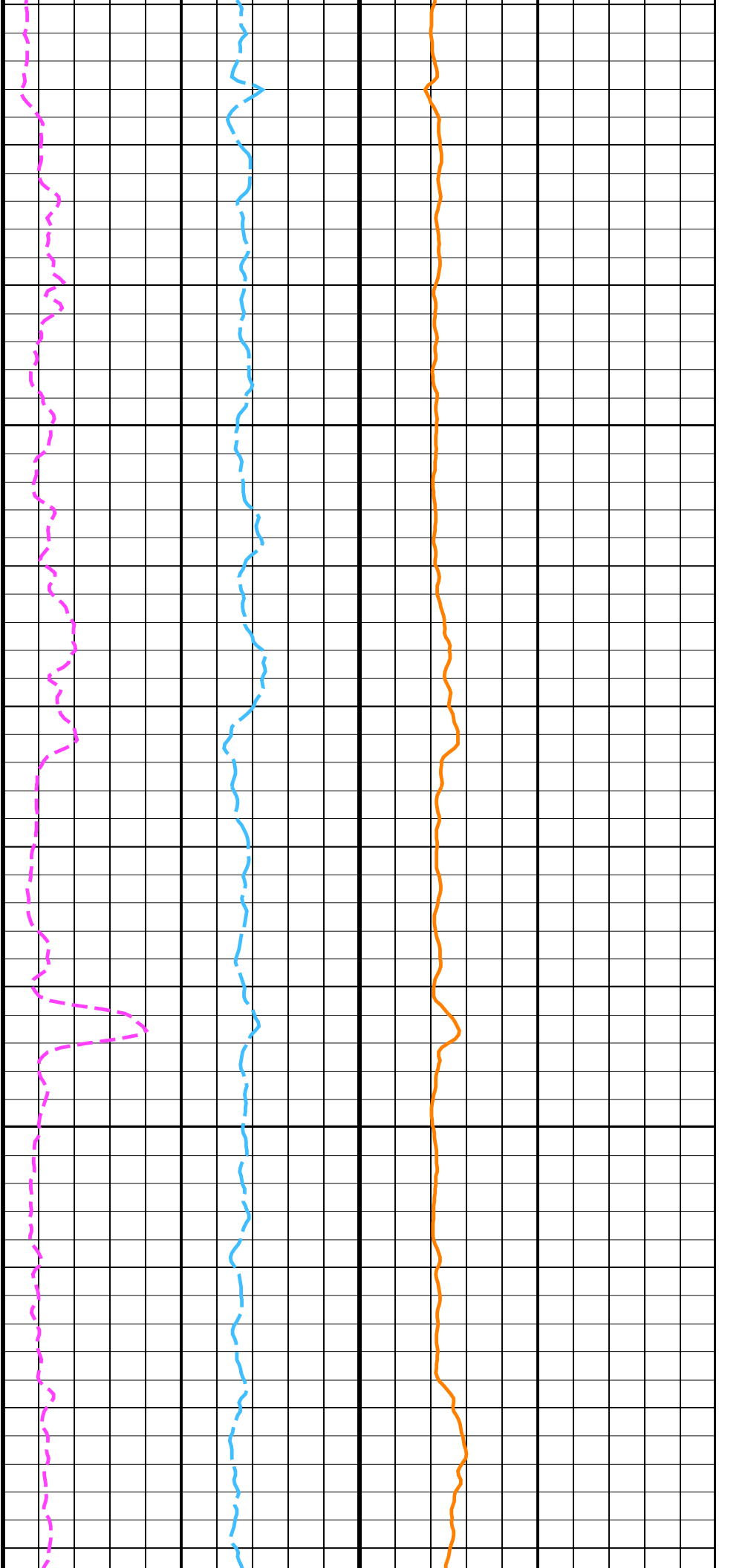
**Tension (TENS) (LBF)**  
10000 0

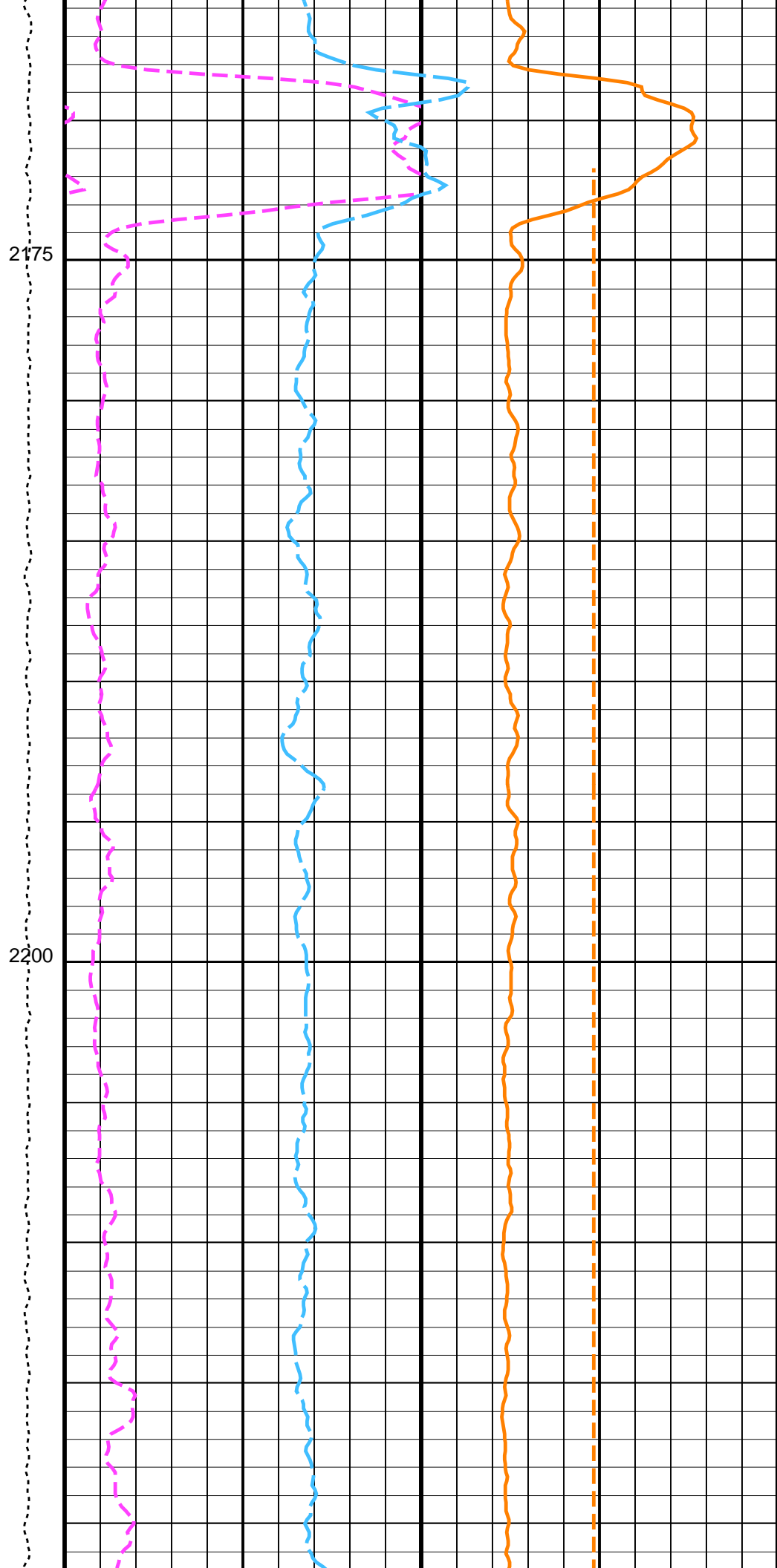
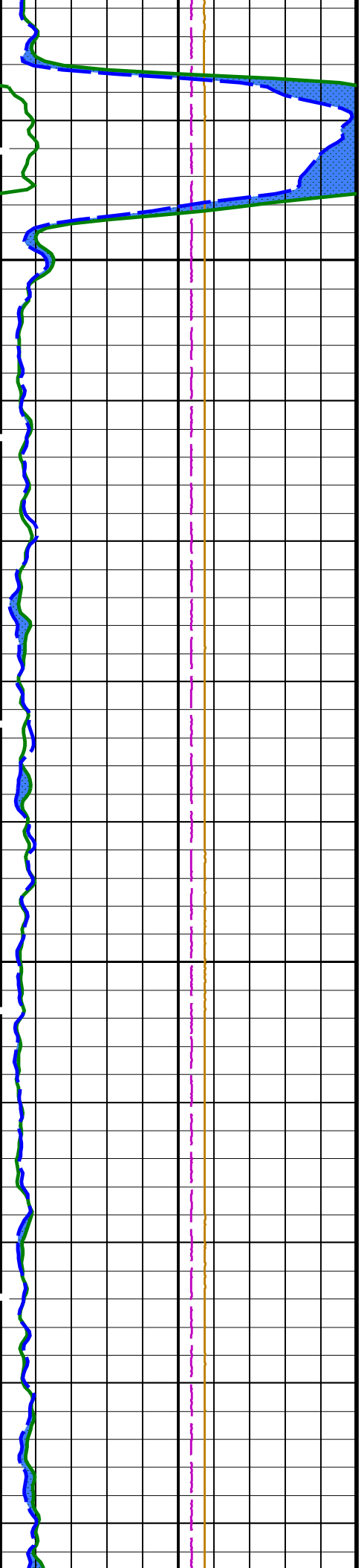




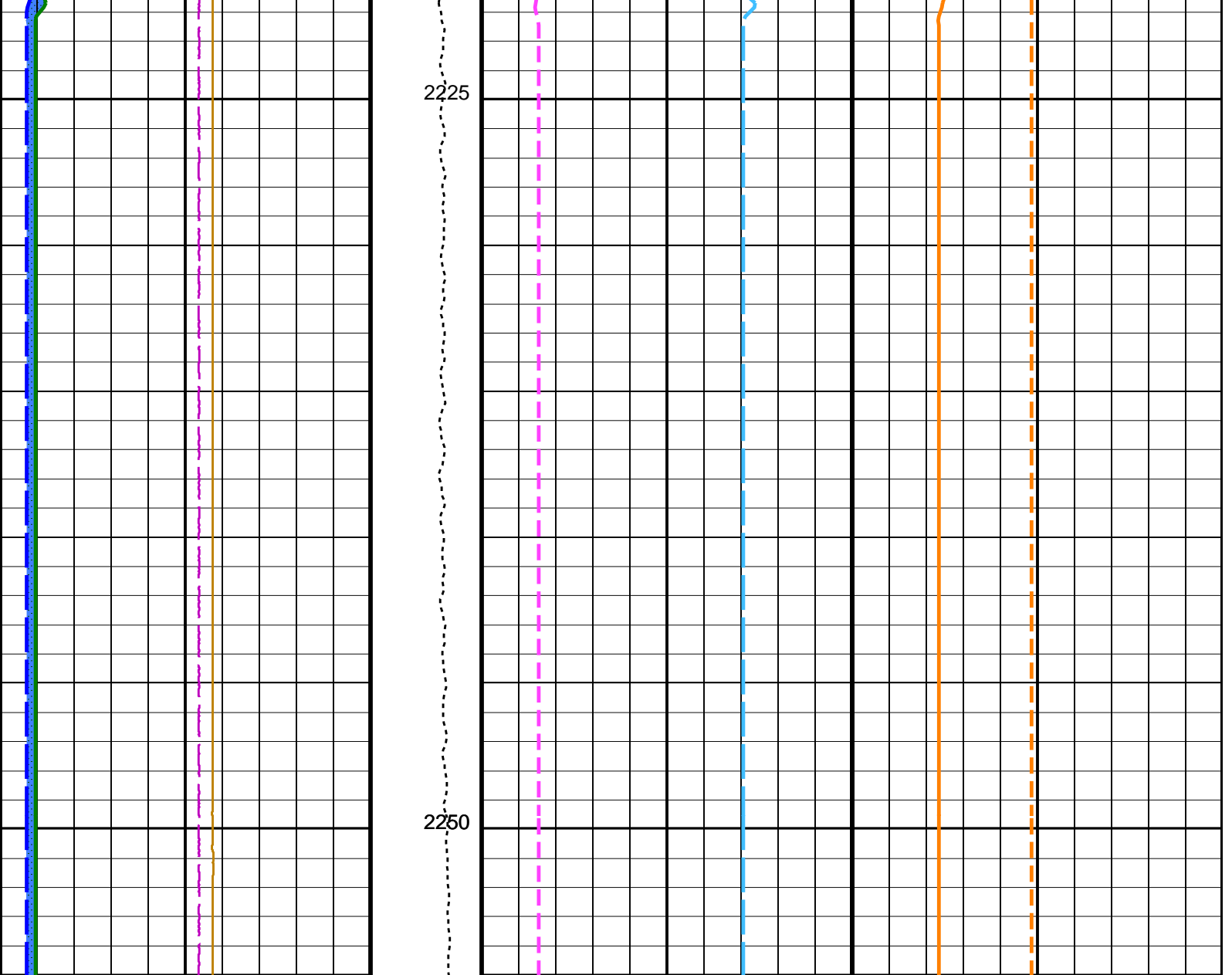
2125

2150









<p>Caliper 1 (C1) (IN)</p> <p>6 16</p>	<p>Tension (TENS) (LBF)</p> <p>10000 0</p>	<p>HNGS Thorium (HTHO) (PPM)</p> <p>-1 14</p>	<p>HNGS Potassium (HFK) (PPM)</p> <p>-0.01 0.04</p>
<p>Caliper 2 (C2) (IN)</p> <p>6 16</p>		<p>HNGS Uranium (HURA) (PPM)</p> <p>-5 10</p>	
<p>HNGS Computed Gamma Ray (HCGR) (GAPI)</p> <p>0 100</p>			<p>HNGS Borehole Potassium (HBHK) (PPM)</p> <p>-0.05 0.05</p>
<p>Area1 From HCGR to HSGR</p>			
<p>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)</p> <p>0 100</p>			

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	DSST-B: Dipole Shear Imager - B	
GCSE	Borehole Status	OPEN
	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	-0.0107464	
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	1.03863	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.06715	
<b>System and Miscellaneous</b>			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields    Vertical Scale: 1:200    Graphics File Created: 21-Aug-2021 13:21

<b>OP System Version: 19C0-187</b>			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

<b>Input DLIS Files</b>					
DEFAULT	Flip_FMS_DSI_NGS_043LUP	PRODUCER	21-Aug-2021 13:20	2255.1 M	2068.8 M
<b>Output DLIS Files</b>					
DEFAULT	FMS_DSI_NGS_044PUP	FN:45	PRODUCER	21-Aug-2021 13:21	

Company: International Ocean Discovery Program    Well: Expedition 396, Site U1566A

<b>Input DLIS Files</b>					
DEFAULT	Flip_FMS_DSI_NGS_043LUP	PRODUCER	21-Aug-2021 13:20	2255.1 M	2068.8 M
<b>Output DLIS Files</b>					
DEFAULT	FMS_DSI_NGS_044PUP	FN:45	PRODUCER	21-Aug-2021 13:21	2255.1 M

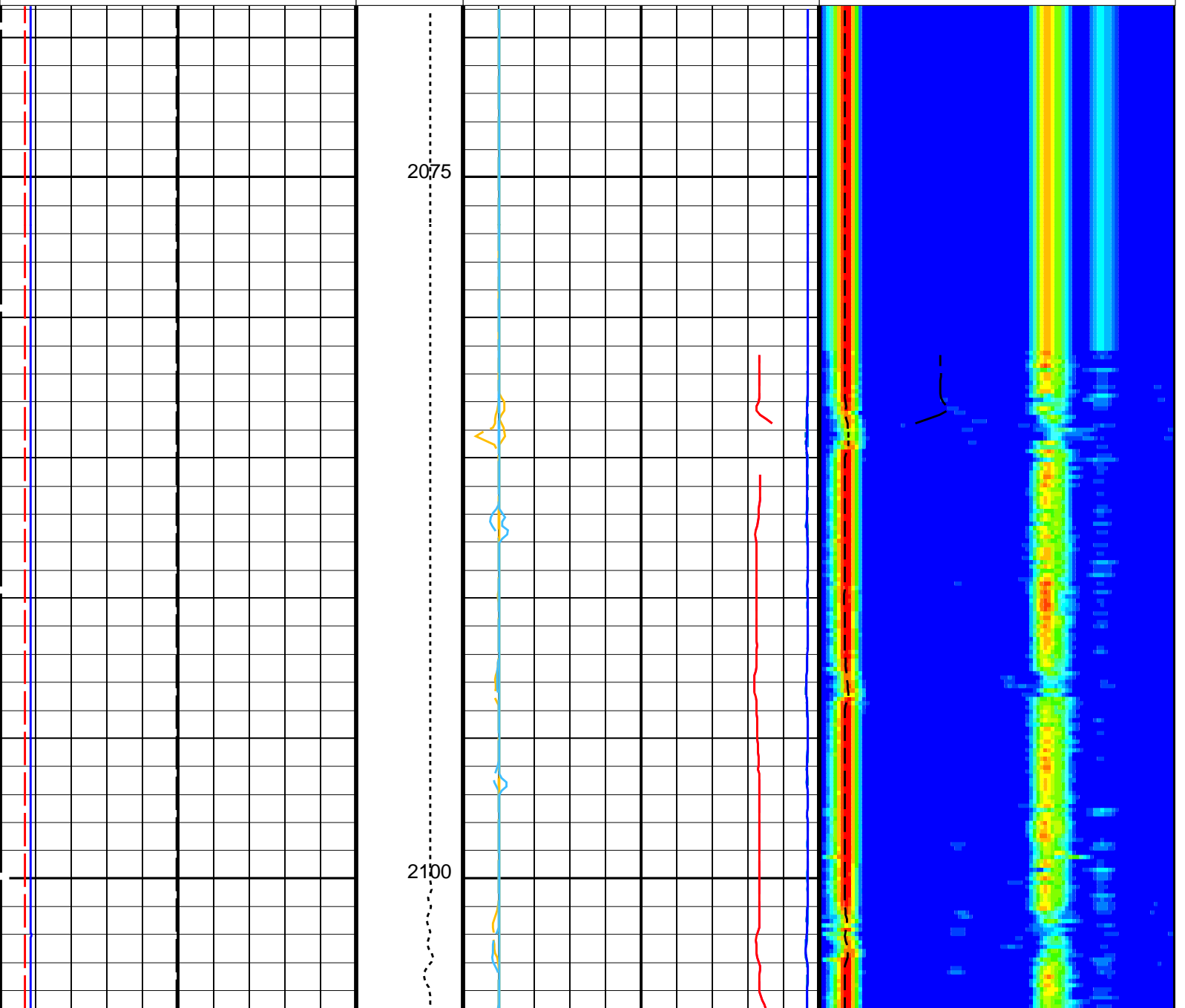
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MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

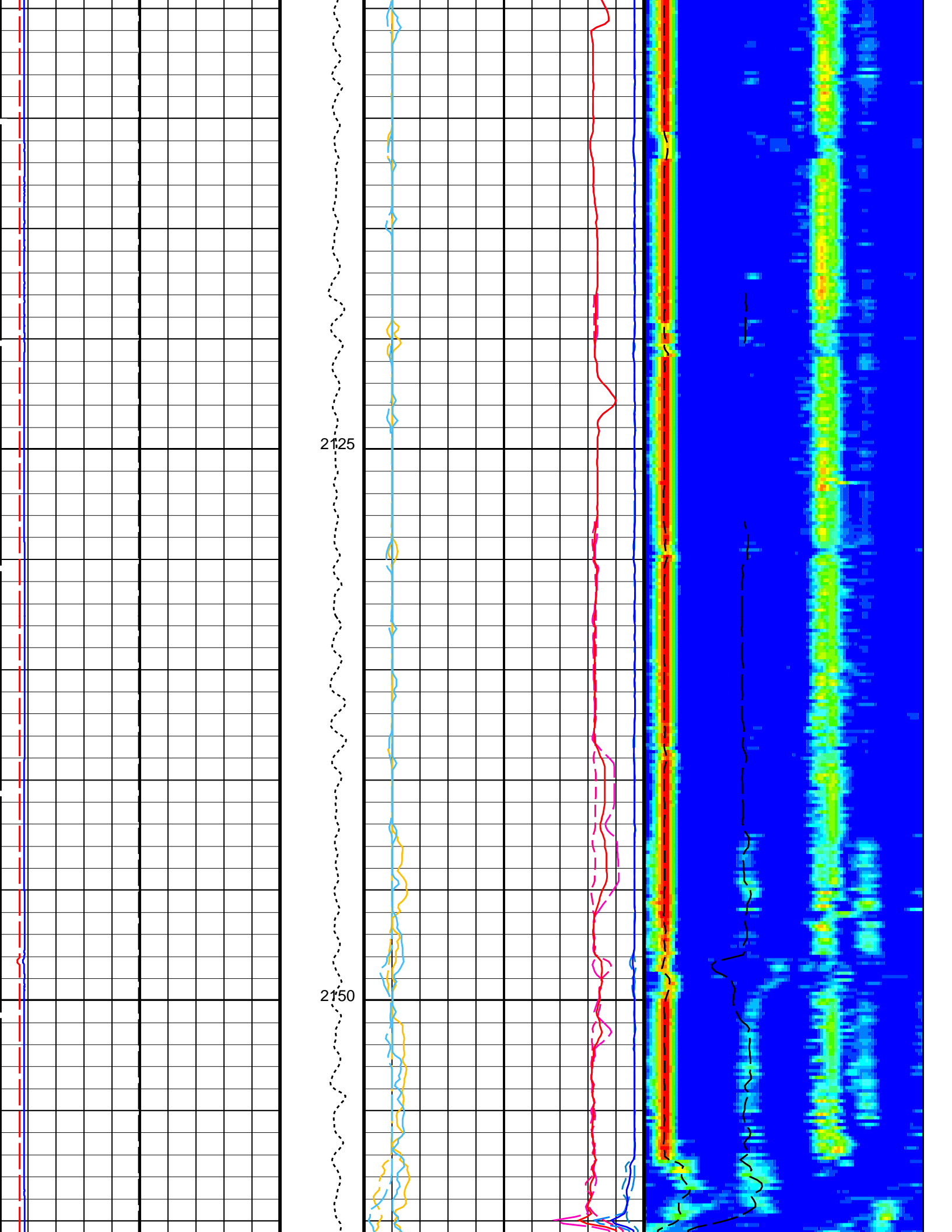
**PIP SUMMARY**

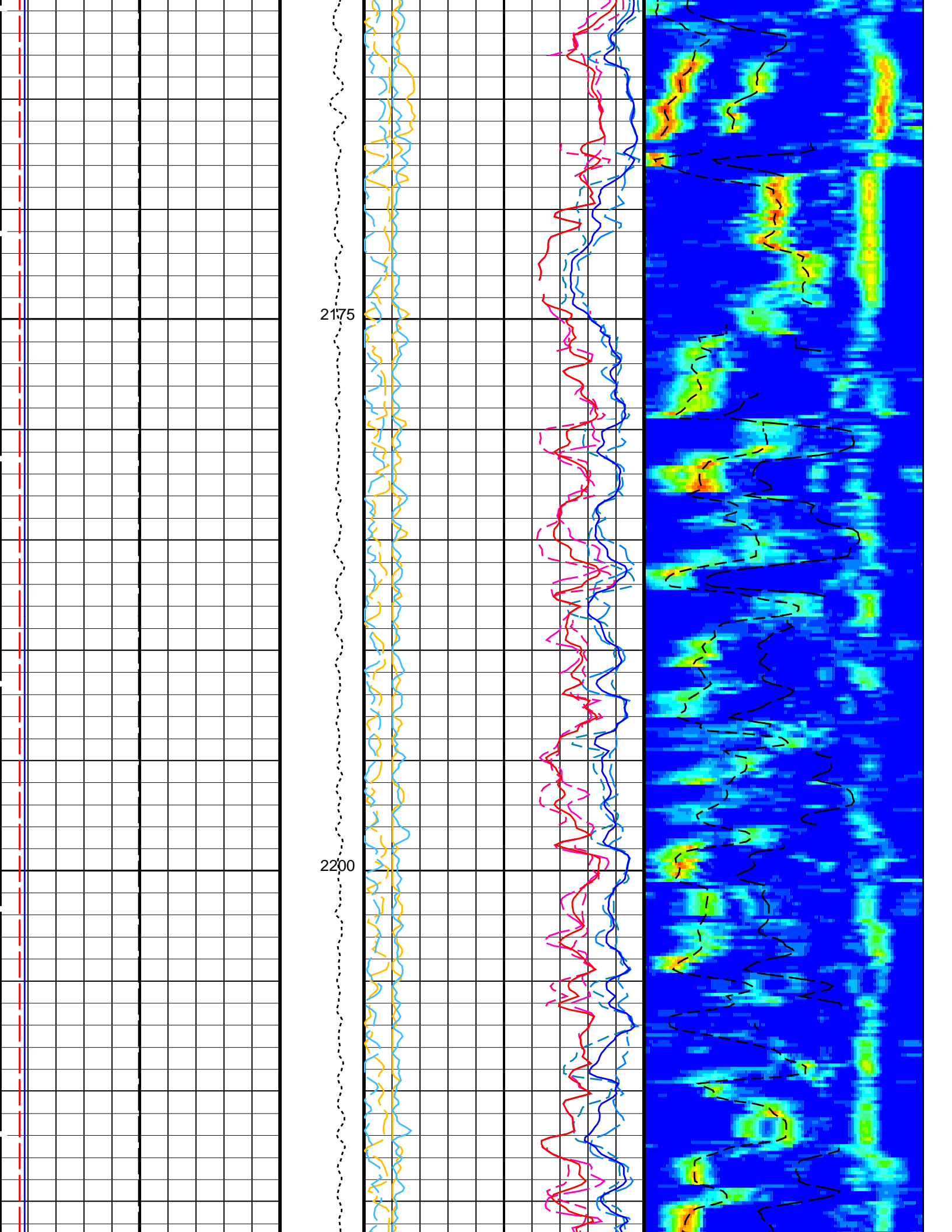
Time Mark Every 60 S

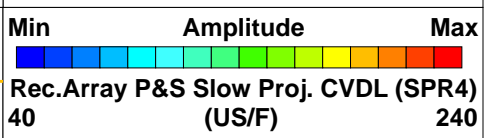
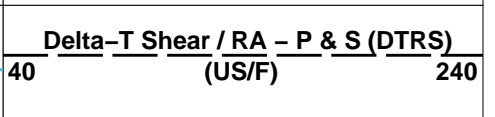
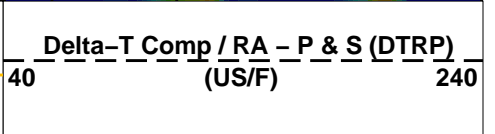
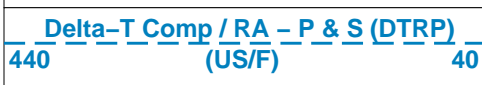
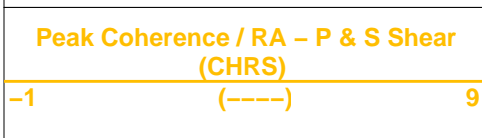
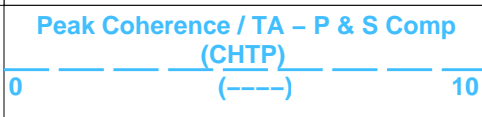
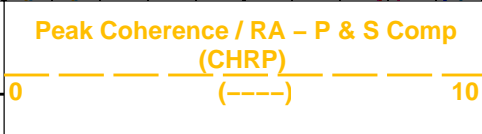
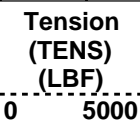
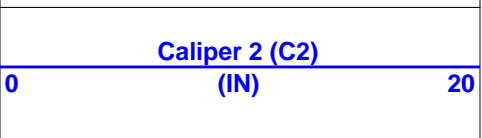
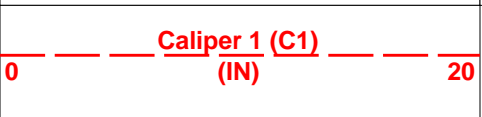
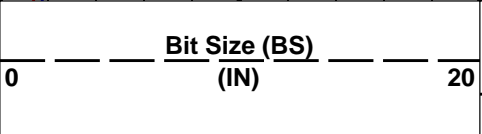
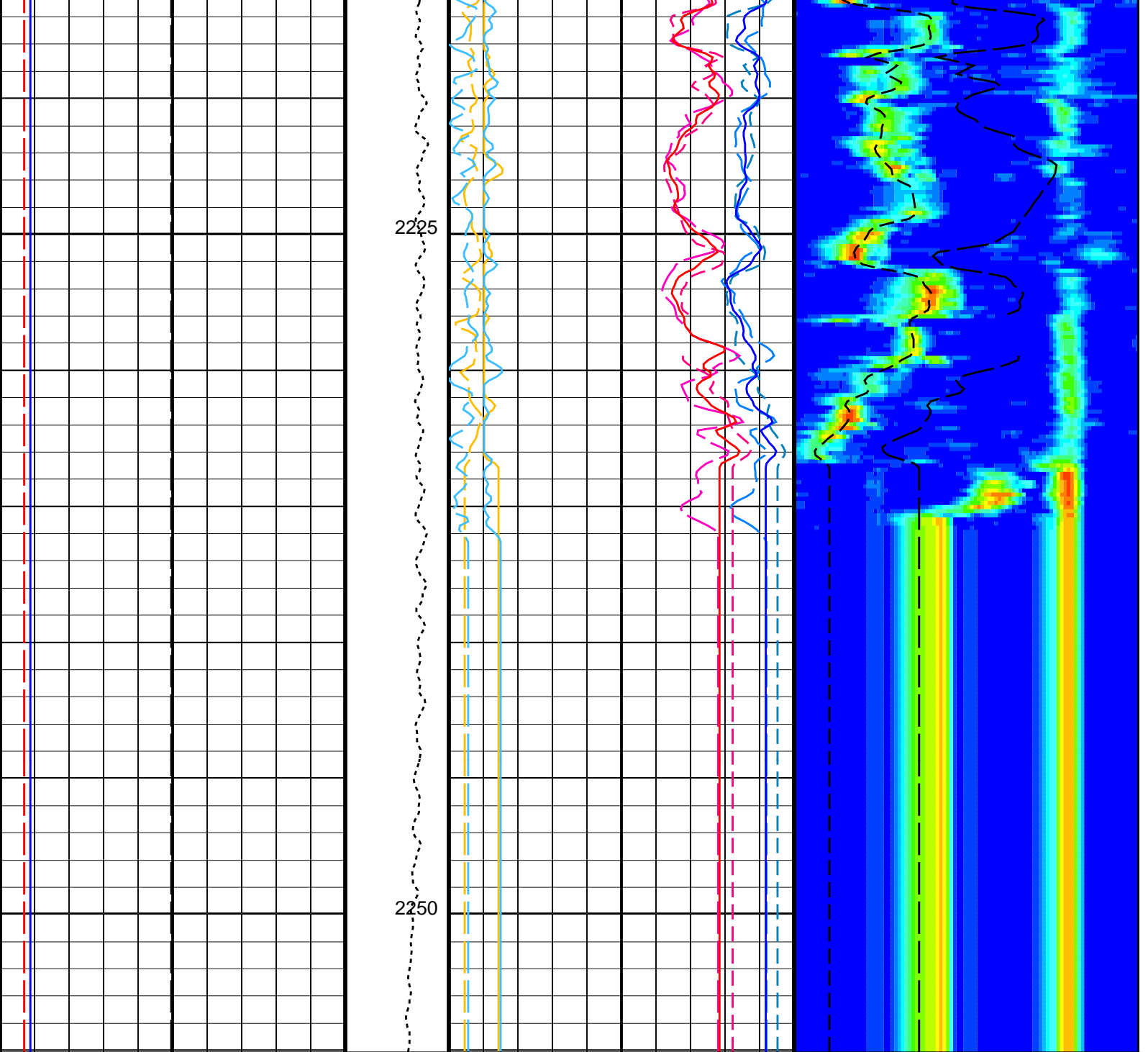
<b>Peak Coherence / TA - P &amp; S Shear (CHTS)</b>		
-1	(----)	9
<b>Delta-T Shear - P &amp; S (DT4S)</b>		
440	(US/F)	40
<b>Delta-T Shear / TA - P &amp; S (DTTS)</b>		
440	(US/F)	40

		$\frac{\text{Delta-T Shear / RA - P \& S (DTRS)}}{440 \text{ (US/F)} 40}$	
		$\frac{\text{Delta-T Comp - P \& S (DT4P)}}{440 \text{ (US/F)} 40}$	
		$\frac{\text{Delta-T Comp / TA - P \& S (DTTP)}}{440 \text{ (US/F)} 40}$	
		$\frac{\text{Delta-T Comp / RA - P \& S (DTRP)}}{440 \text{ (US/F)} 40}$	
<b>Caliper 2 (C2)</b> 0 (IN) 20		$\frac{\text{Peak Coherence / RA - P \& S Shear (CHRS)}}{-1 \text{ (----)} 9}$	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240
<b>Caliper 1 (C1)</b> 0 (IN) 20		$\frac{\text{Peak Coherence / TA - P \& S Comp (CHTP)}}{0 \text{ (----)} 10}$	$\frac{\text{Delta-T Shear / RA - P \& S (DTRS)}}{40 \text{ (US/F)} 240}$
<b>Bit Size (BS)</b> 0 (IN) 20	<b>Tension (TENS) (LBF)</b> 0 5000	$\frac{\text{Peak Coherence / RA - P \& S Comp (CHRP)}}{0 \text{ (----)} 10}$	$\frac{\text{Delta-T Comp / RA - P \& S (DTRP)}}{40 \text{ (US/F)} 240}$









<b>Delta-T Shear / RA - P &amp; S (DTRS)</b>		
440	(US/F)	40
<b>Delta-T Shear / TA - P &amp; S (DTTS)</b>		
440	(US/F)	40
<b>Delta-T Shear - P &amp; S (DT4S)</b>		
440	(US/F)	40
<b>Peak Coherence / TA - P &amp; S Shear (CHTS)</b>		
-1	(----)	9

**PIP SUMMARY**

Time Mark Every 60 S

**Parameters**

DLIS Name	Description	Value	
<b>DSST-B: Dipole Shear Imager - B</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	190	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	195	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	
<b>HNGS-BA: Hostile Natural Gamma Ray Sonde</b>			
BHS	Borehole Status	OPEN	
<b>System and Miscellaneous</b>			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

## 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_043LUP	PRODUCER	21-Aug-2021 13:20	2255.1 M	2068.8 M
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### Output DLIS Files

DEFAULT	FMS_DSI_NGS_044PUP	FN:45	PRODUCER	21-Aug-2021 13:21
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Company: International Ocean Discovery Program Well: Expedition 396, Site U1566A

### Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_043LUP	PRODUCER	21-Aug-2021 13:20	2255.1 M	2068.8 M
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### Output DLIS Files

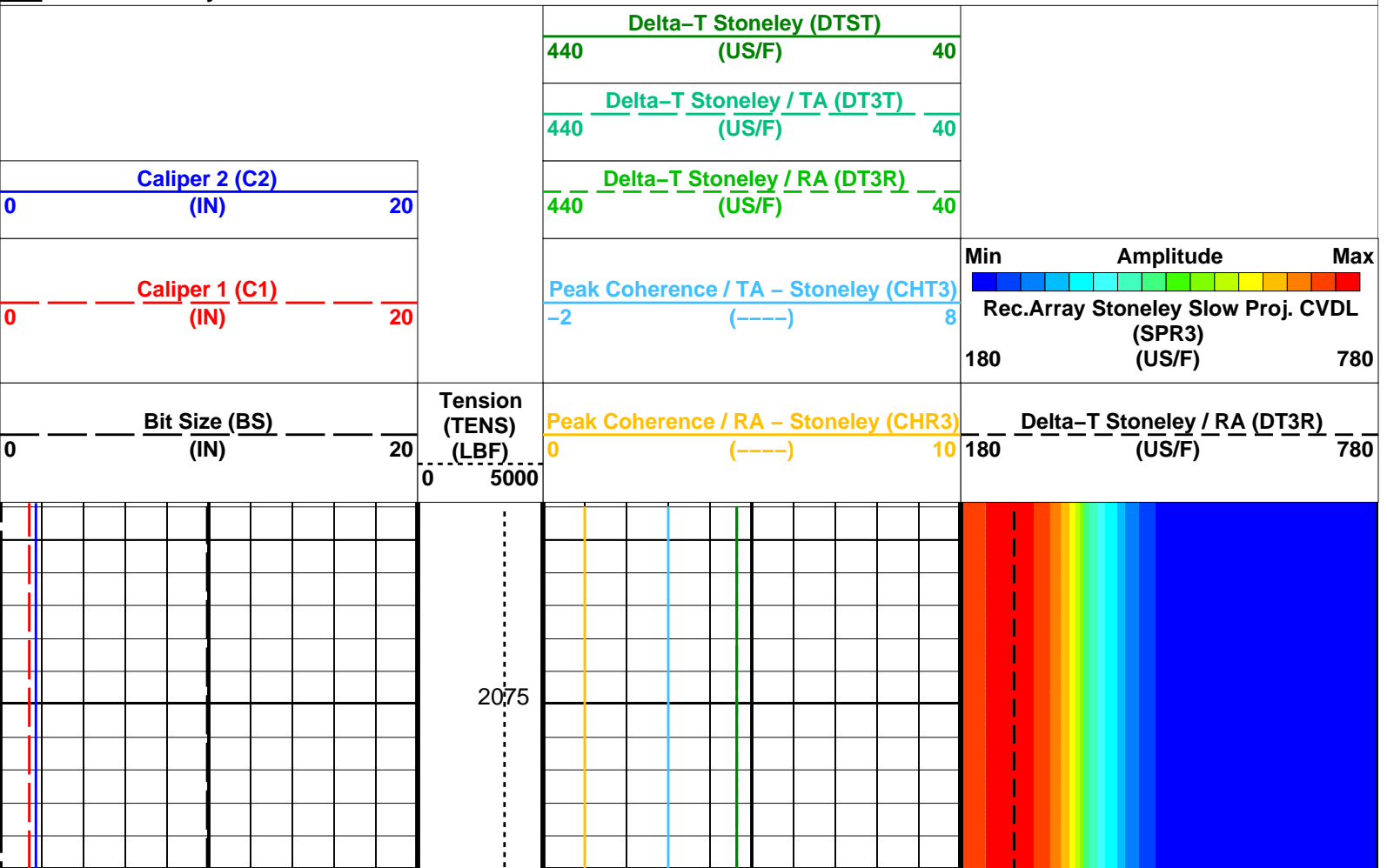
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## OP System Version: 19C0-187

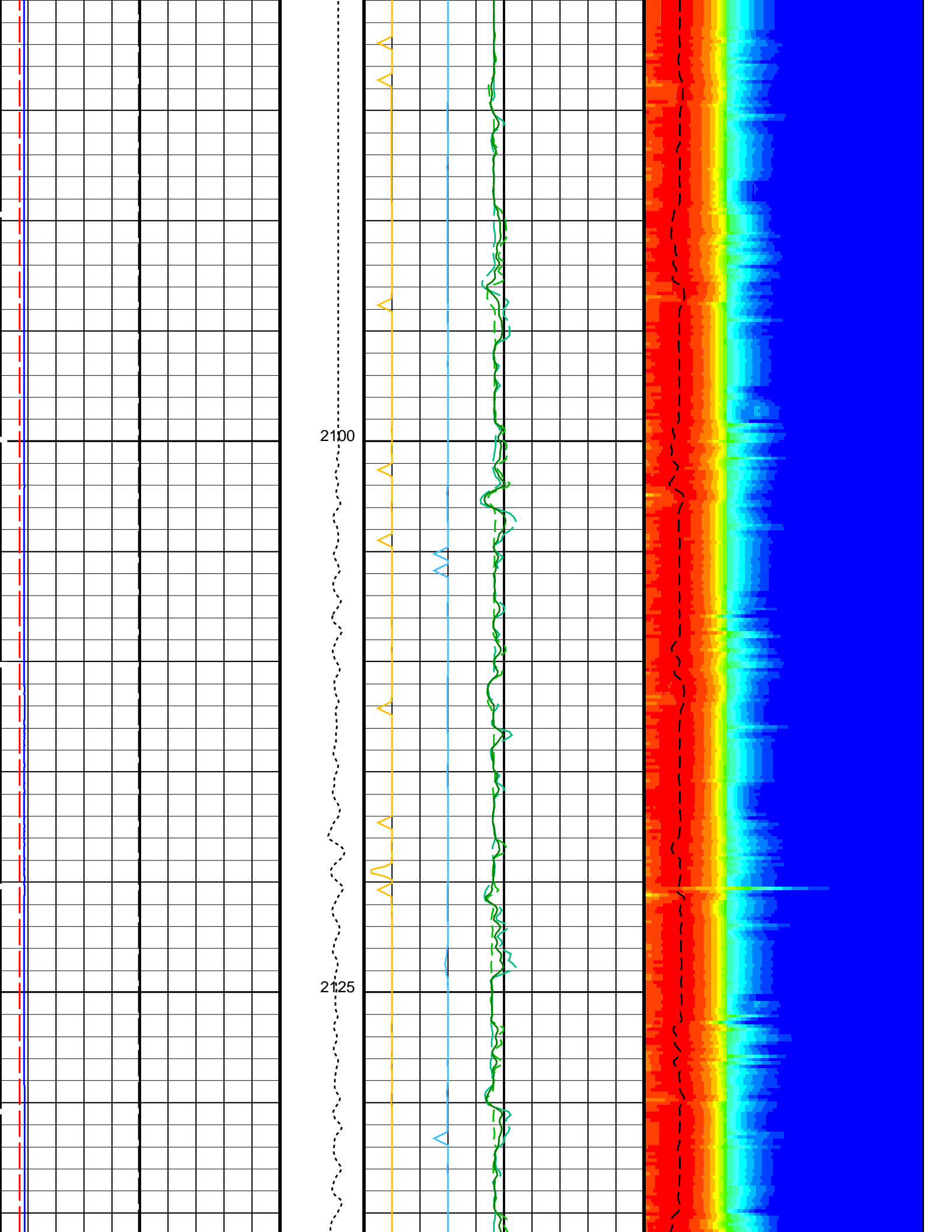
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

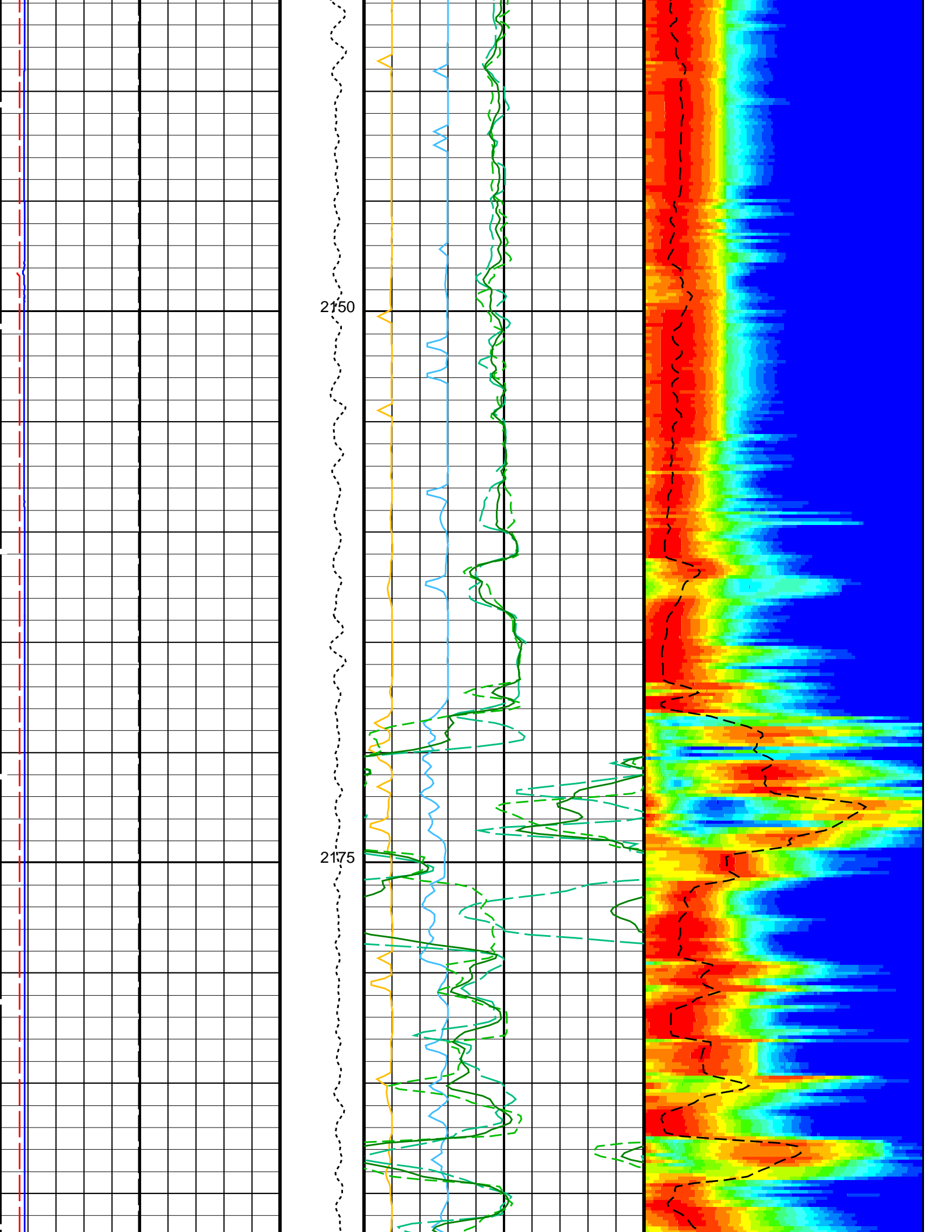
### PIP SUMMARY

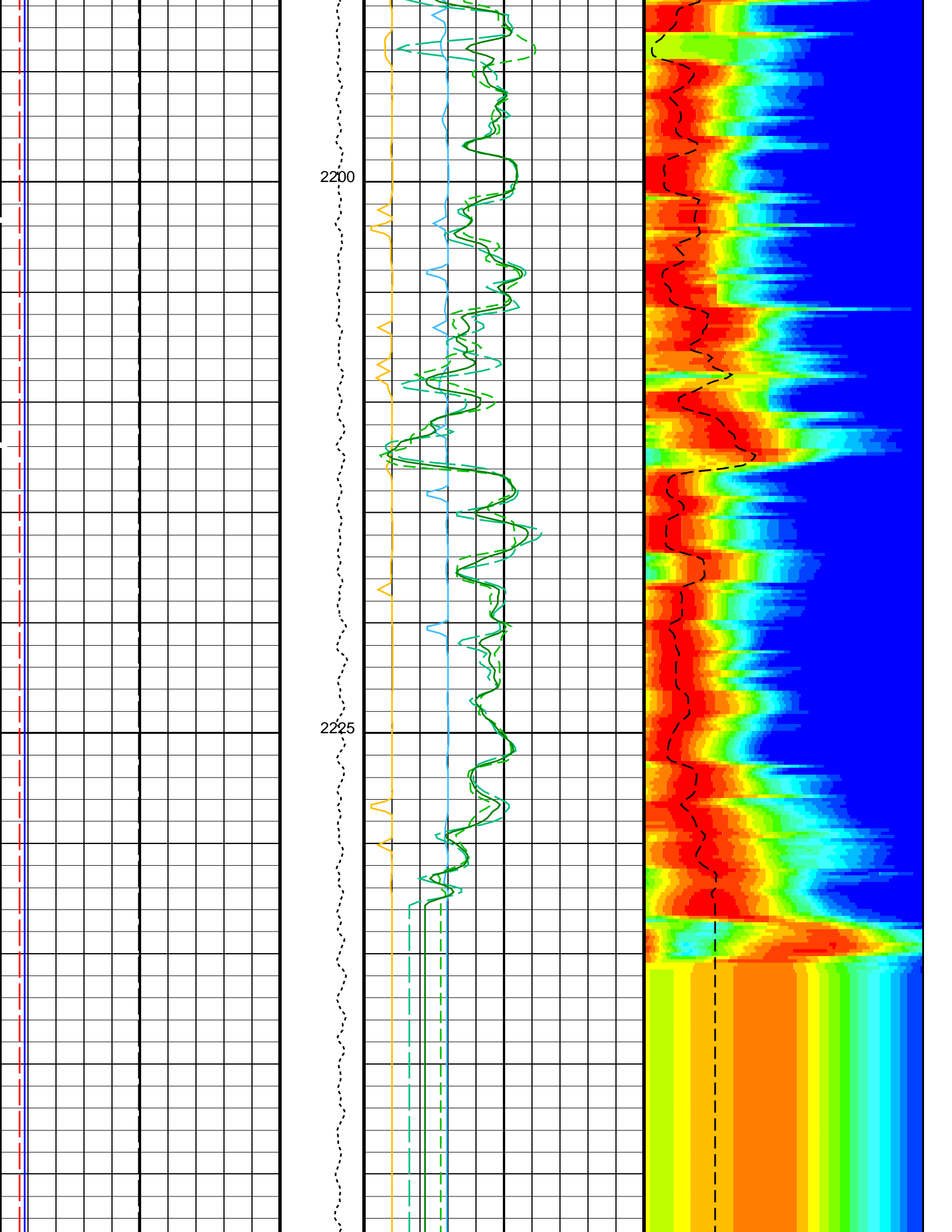
Time Mark Every 60 S

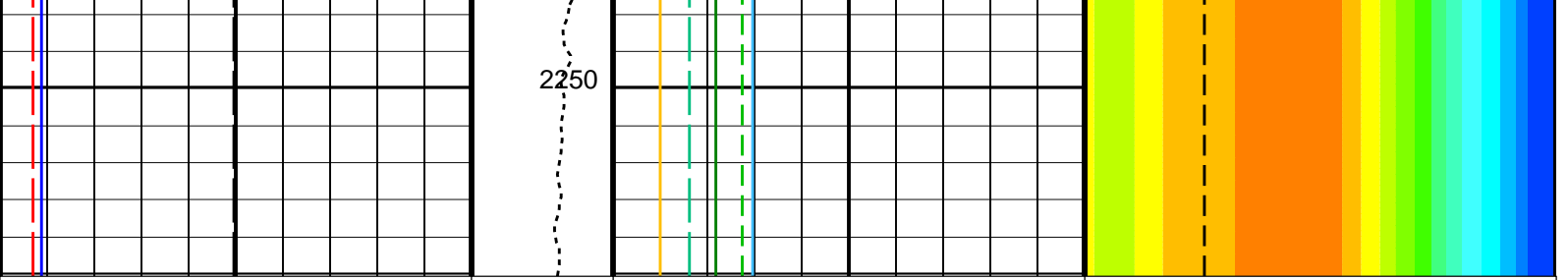












Bit Size (BS) (IN) 0 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA – Stoneley (CHR3) 0 (----) 10	Delta-T Stoneley / RA (DT3R) (US/F) 180 780
Caliper 1 (C1) (IN) 0 20		Peak Coherence / TA – Stoneley (CHT3) -2 (----) 8	Min Amplitude Max Rec.Array Stoneley Slow Proj. CVDL (SPR3) (US/F) 180 780
Caliper 2 (C2) (IN) 0 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
<b>DSST-B: Dipole Shear Imager – B</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

## 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_043LUP	PRODUCER	21-Aug-2021 13:20	2255.1 M	2068.8 M
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### Output DLIS Files

DEFAULT	FMS_DSI_NGS_044PUP	FN:45	PRODUCER	21-Aug-2021 13:21	
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### Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_043LUP	PRODUCER	21-Aug-2021 13:20	2255.1 M	2068.8 M
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### Output DLIS Files

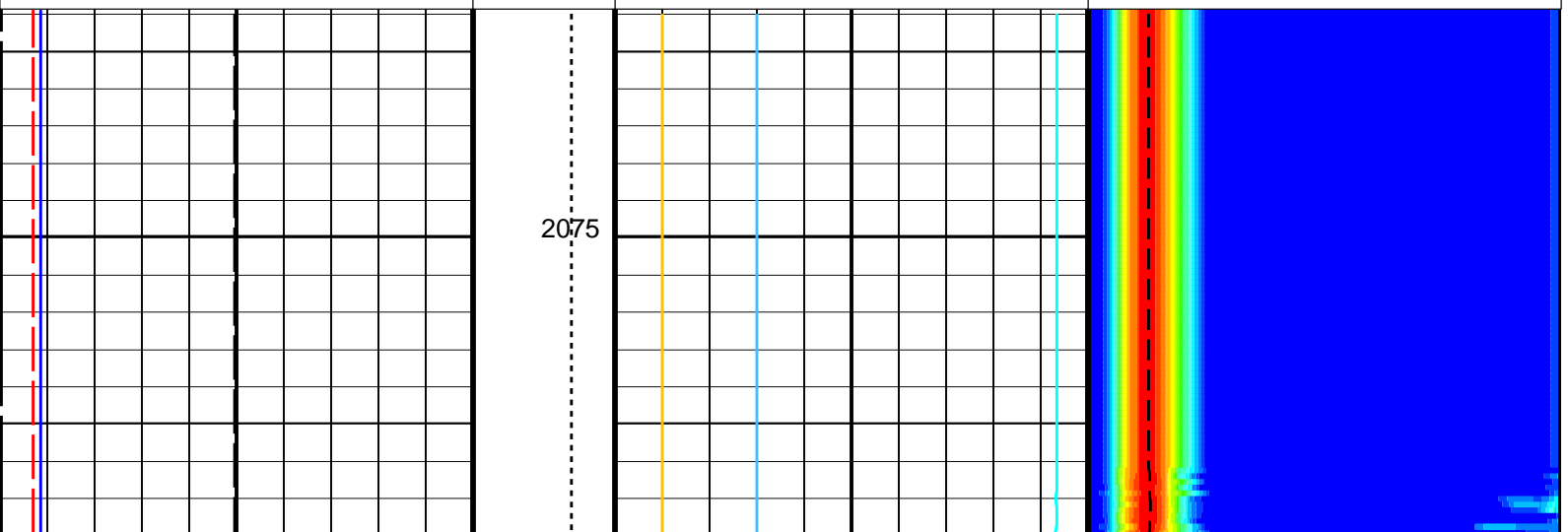
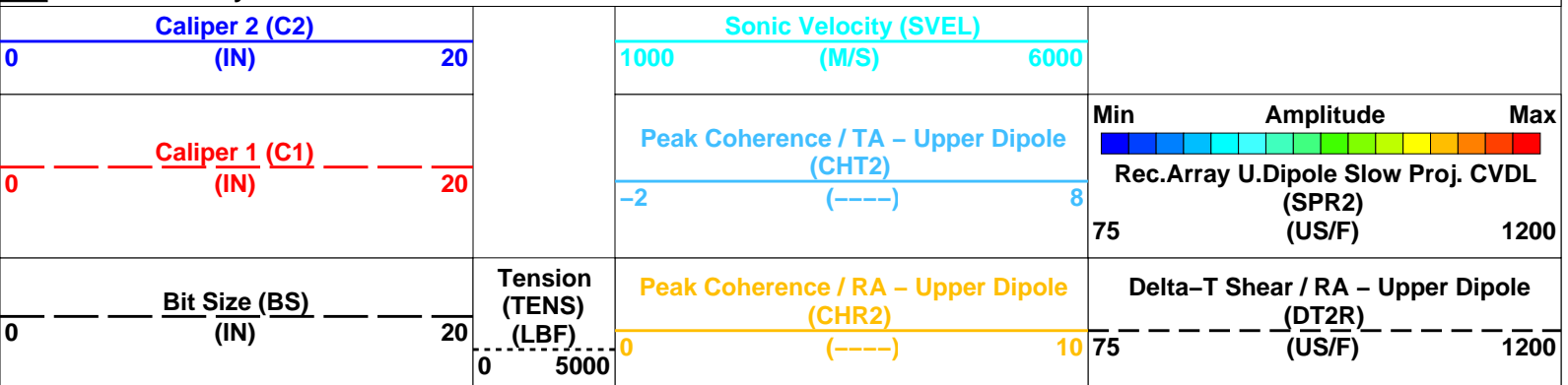
DEFAULT	FMS_DSI_NGS_044PUP	FN:45	PRODUCER	21-Aug-2021 13:21	2255.1 M	2068.8 M
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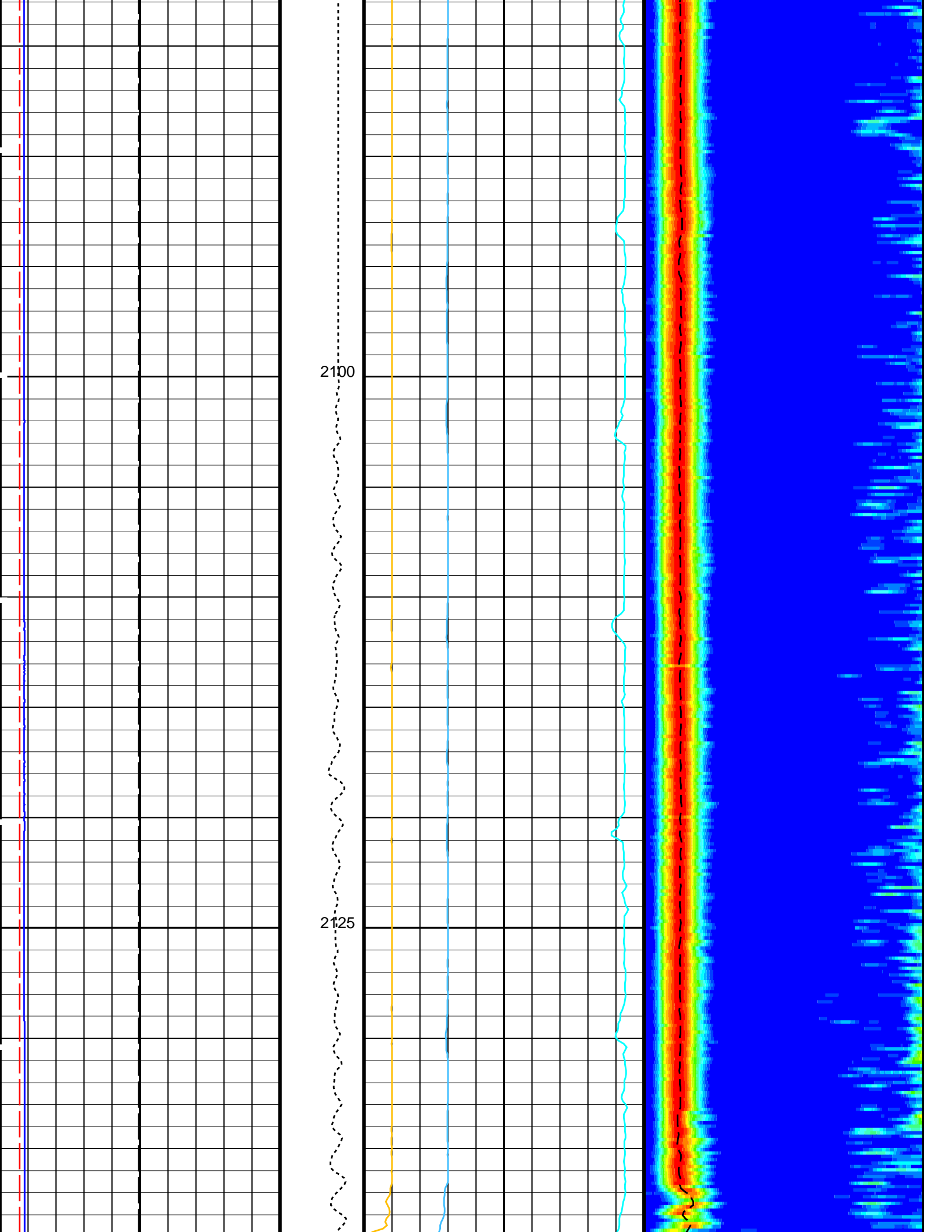
## OP System Version: 19C0-187

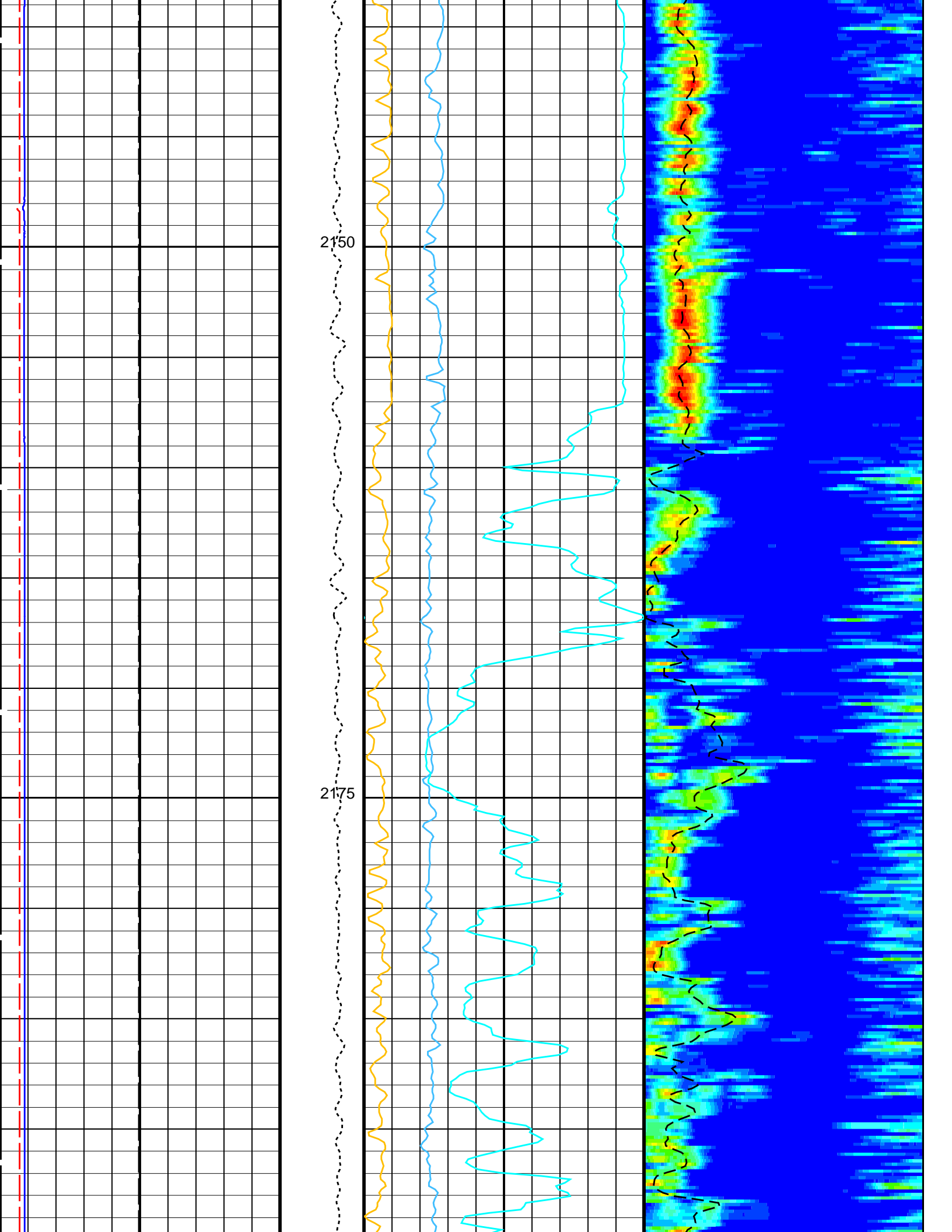
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

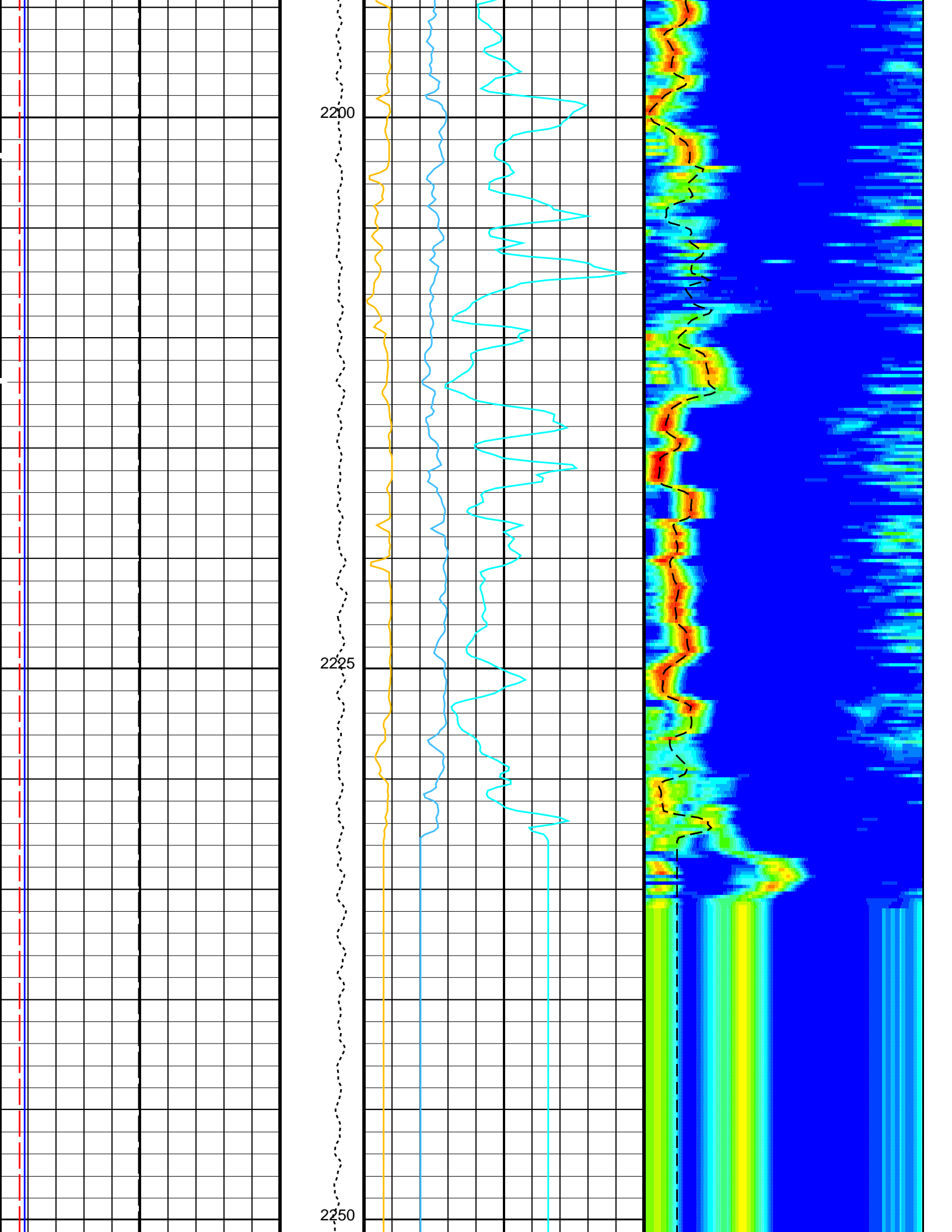
### PIP SUMMARY

Time Mark Every 60 S

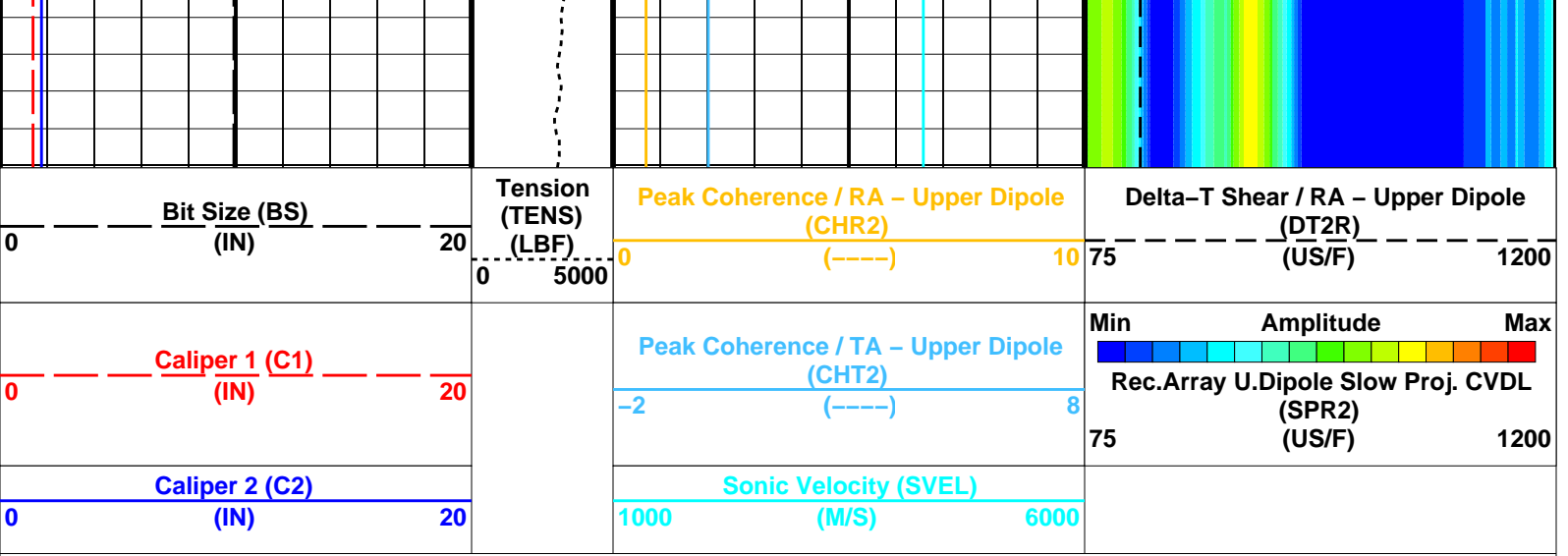












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
DDE2	Digitizing Delay 2	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1400 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC2	Digitizer Word Count 2	512
DWCX	Digitizer Word Count X	512
NWI2	Number Waveform Items 2	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS2	STC Sonic Array Status - Upper Dipole	255
SBO2	STC Search Band Offset - Upper Dipole	3000 US
SBW2	STC Search Bandwidth - Upper Dipole	8000 US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE
SFM2	STC Filter - Upper Dipole	B1-2K
SLL2	STC Slowness Lower Limit - Upper Dipole	40 US/F
SST2	STC Slowness Step - Upper Dipole	4 US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2
SUL2	STC Slowness Upper Limit - Upper Dipole	1400 US/F
SWD2	STC Slowness Width - Upper Dipole	40 US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0 US
TLL2	STC Time Lower Limit - Upper Dipole	600 US
TST2	STC Time Step - Upper Dipole	200 US
TUL2	STC Time Upper Limit - Upper Dipole	20440 US
TWD2	STC Time Width - Upper Dipole	2000 US
TWI2	STC Integration Time Window - Upper Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
UTXG	Upper Dipole Transmitter Geometry	162 IN
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: DSST\_UPPER\_DIPOLE\_VDL\_COLOR Vertical Scale: 1:200 Graphics File Created: 21-Aug-2021 13:21

OP System Version: 19C0-187

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

HNGC-B  
DTC-H

19C0-187  
19C0-187

### Input DLIS Files

DEFAULT Flip\_FMS\_DSI\_NGS\_043LUP PRODUCER 21-Aug-2021 13:20 2255.1 M 2068.8 M

### Output DLIS Files

DEFAULT FMS\_DSI\_NGS\_044PUP FN:45 PRODUCER 21-Aug-2021 13:21

### Input DLIS Files

DEFAULT Flip\_FMS\_DSI\_NGS\_043LUP PRODUCER 21-Aug-2021 13:20 2255.1 M 2068.8 M

### Output DLIS Files

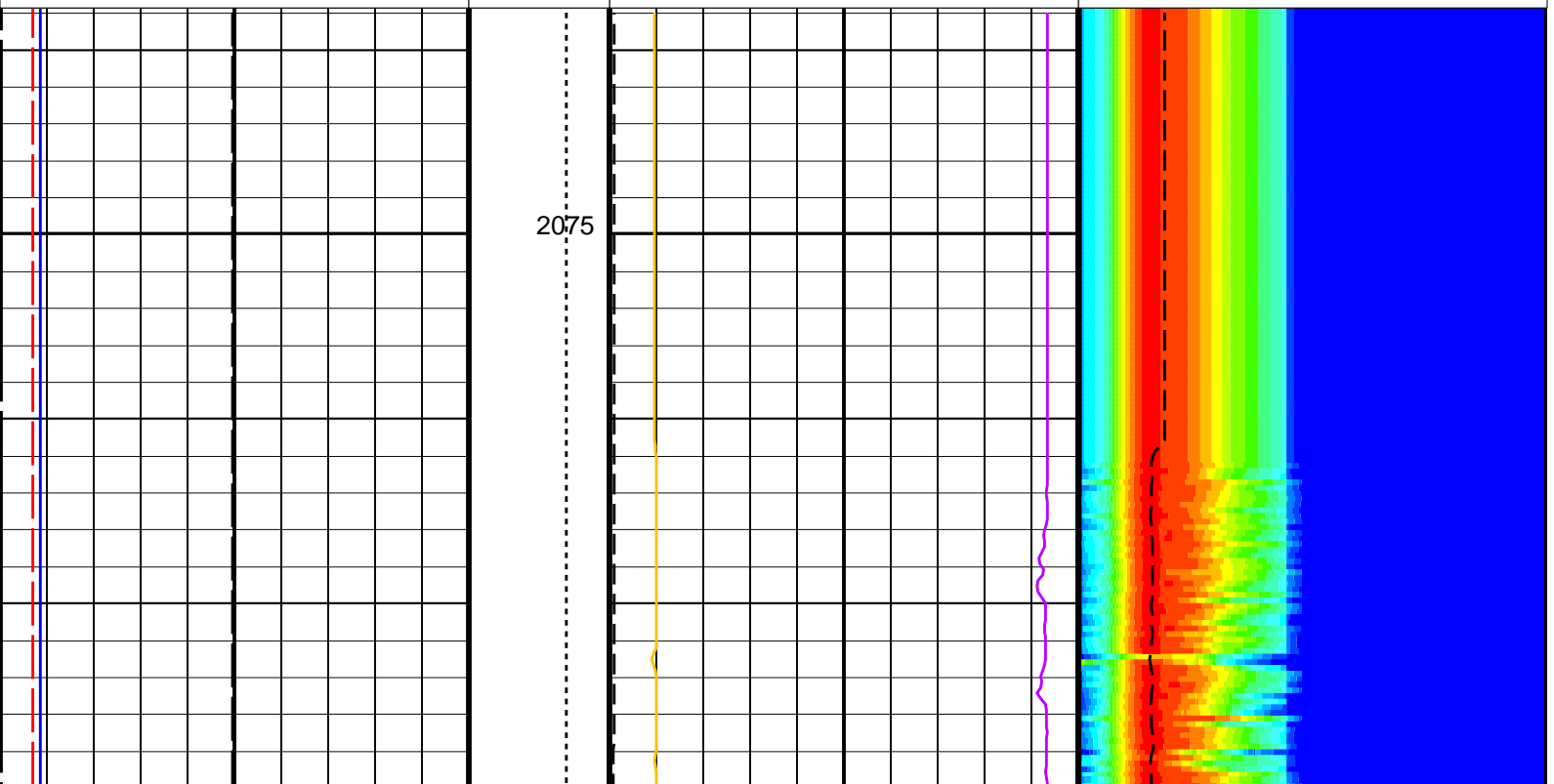
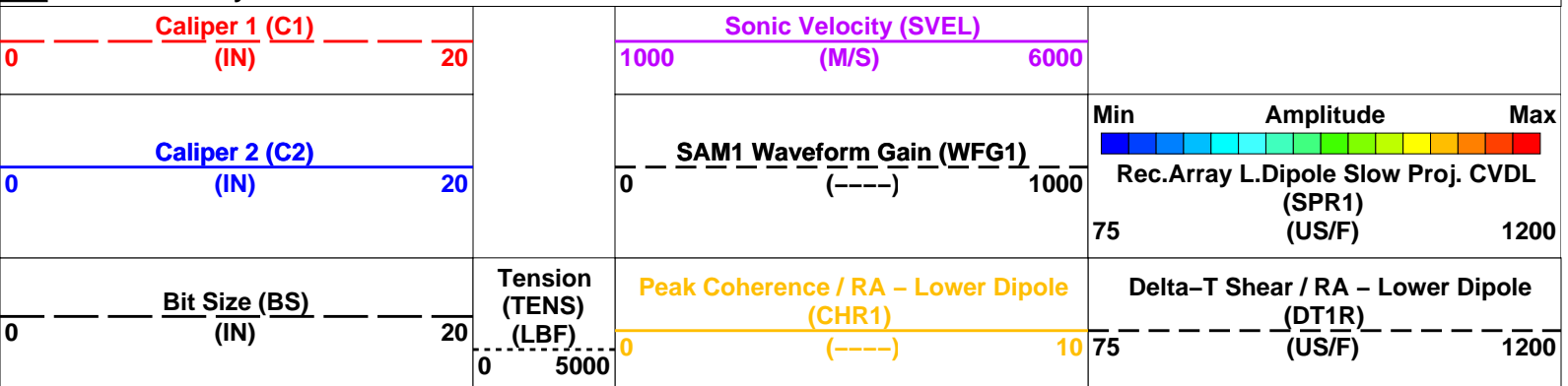
DEFAULT FMS\_DSI\_NGS\_044PUP FN:45 PRODUCER 21-Aug-2021 13:21 2255.1 M 2068.8 M

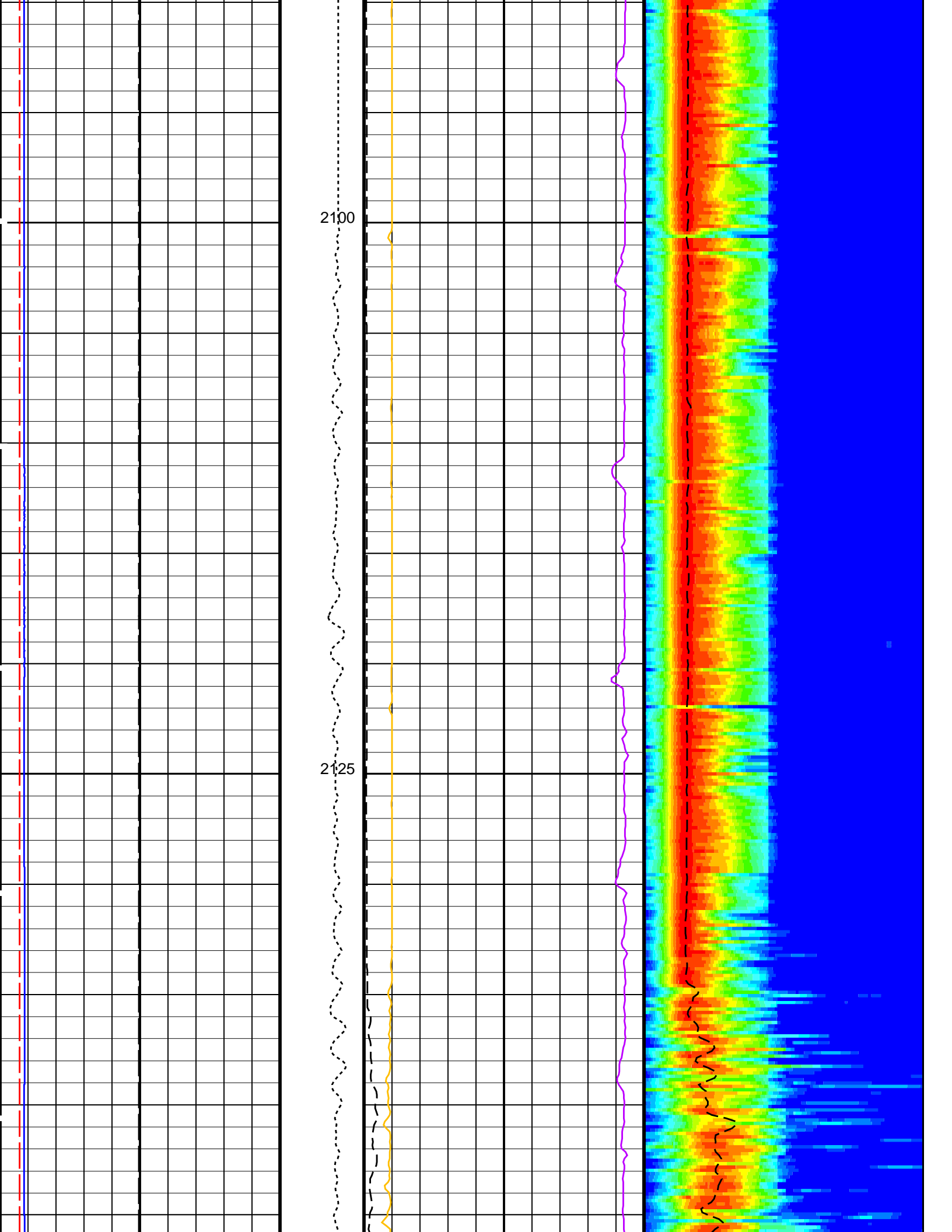
### OP System Version: 19C0-187

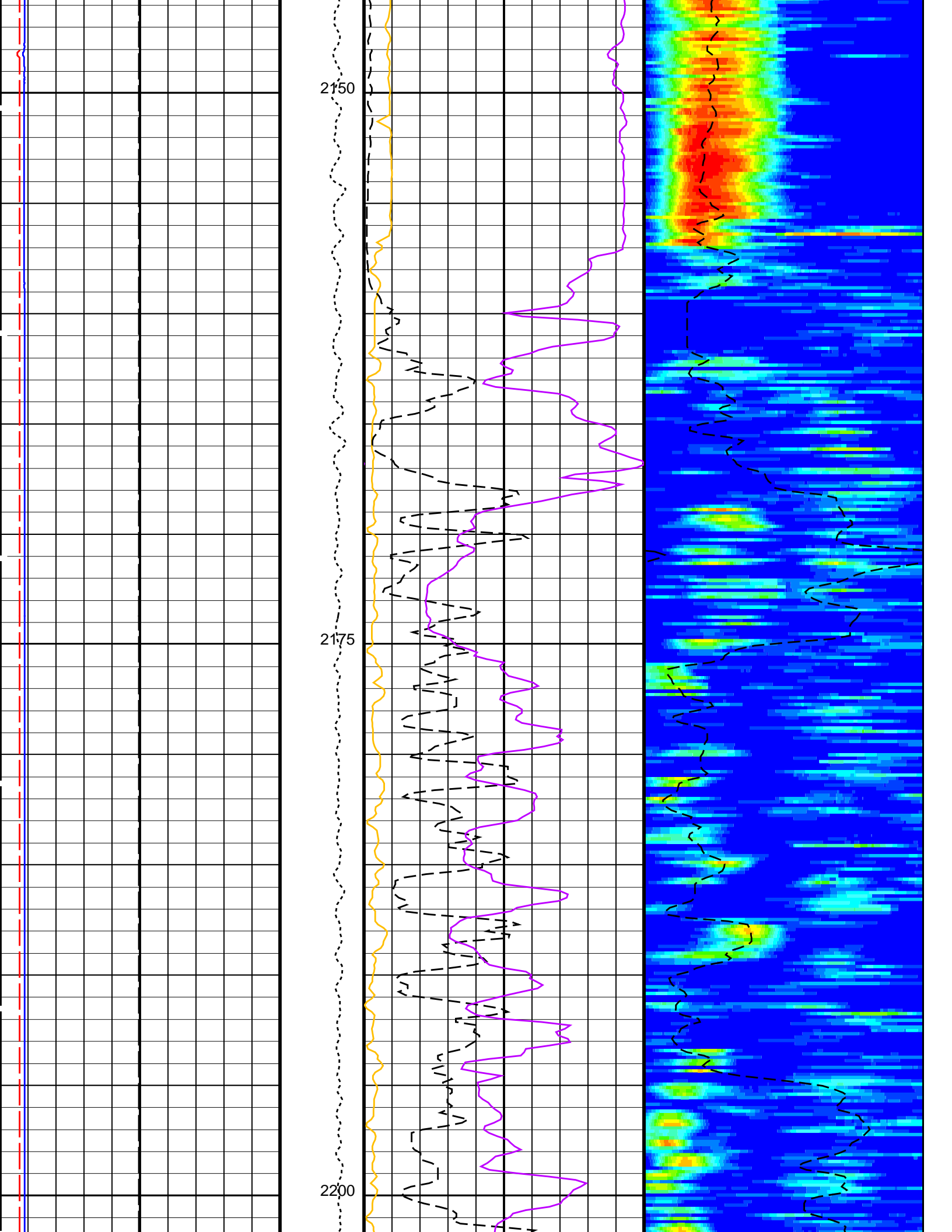
MEST-B 19C0-187 DTA-A 19C0-187  
DSST-B 19C0-187 HNGC-B 19C0-187  
HNGS-BA 19C0-187 DTC-H 19C0-187

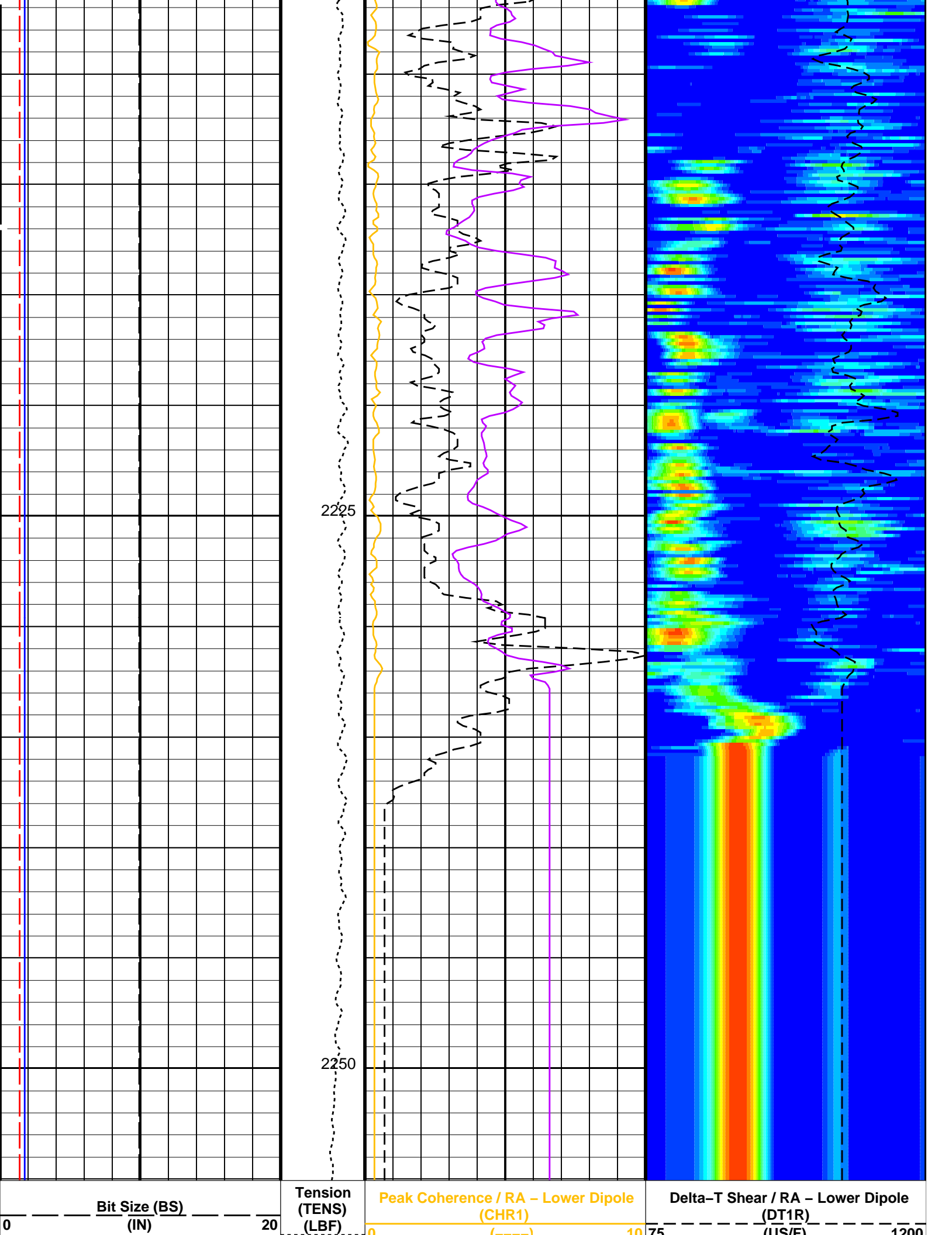
### PIP SUMMARY

Time Mark Every 60 S









0	5000	0	1000	75	1200
Caliper 2 (C2) (IN)		SAM1 Waveform Gain (WFG1) (----)		Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	
0	20	0	1000	75	1200
Caliper 1 (C1) (IN)		Sonic Velocity (SVEL) (M/S)			
0	20	1000	6000		

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	1400 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
NW11	Number Waveform Items 1	8
NW1X	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS1	STC Sonic Array Status - Lower Dipole	255
SBO1	STC Search Band Offset - Lower Dipole	3000 US
SBW1	STC Search Bandwidth - Lower Dipole	8000 US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE
SFM1	STC Filter - Lower Dipole	B.3-1.5K
SLL1	STC Slowness Lower Limit - Lower Dipole	40 US/F
SST1	STC Slowness Step - Lower Dipole	4 US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1
SUL1	STC Slowness Upper Limit - Lower Dipole	1400 US/F
SWD1	STC Slowness Width - Lower Dipole	40 US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0 US
TLL1	STC Time Lower Limit - Lower Dipole	600 US
TST1	STC Time Step - Lower Dipole	200 US
TUL1	STC Time Upper Limit - Lower Dipole	20440 US
TWD1	STC Time Width - Lower Dipole	2000 US
TWI1	STC Integration Time Window - Lower Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
WFM1	Waveform Mode 1	W1
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR Vertical Scale: 1:200 Graphics File Created: 21-Aug-2021 13:21

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_043LUP	PRODUCER	21-Aug-2021 13:20	2255.1 M	2068.8 M
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# First Pass

MAXIS Field Log

## Output DLIS Files

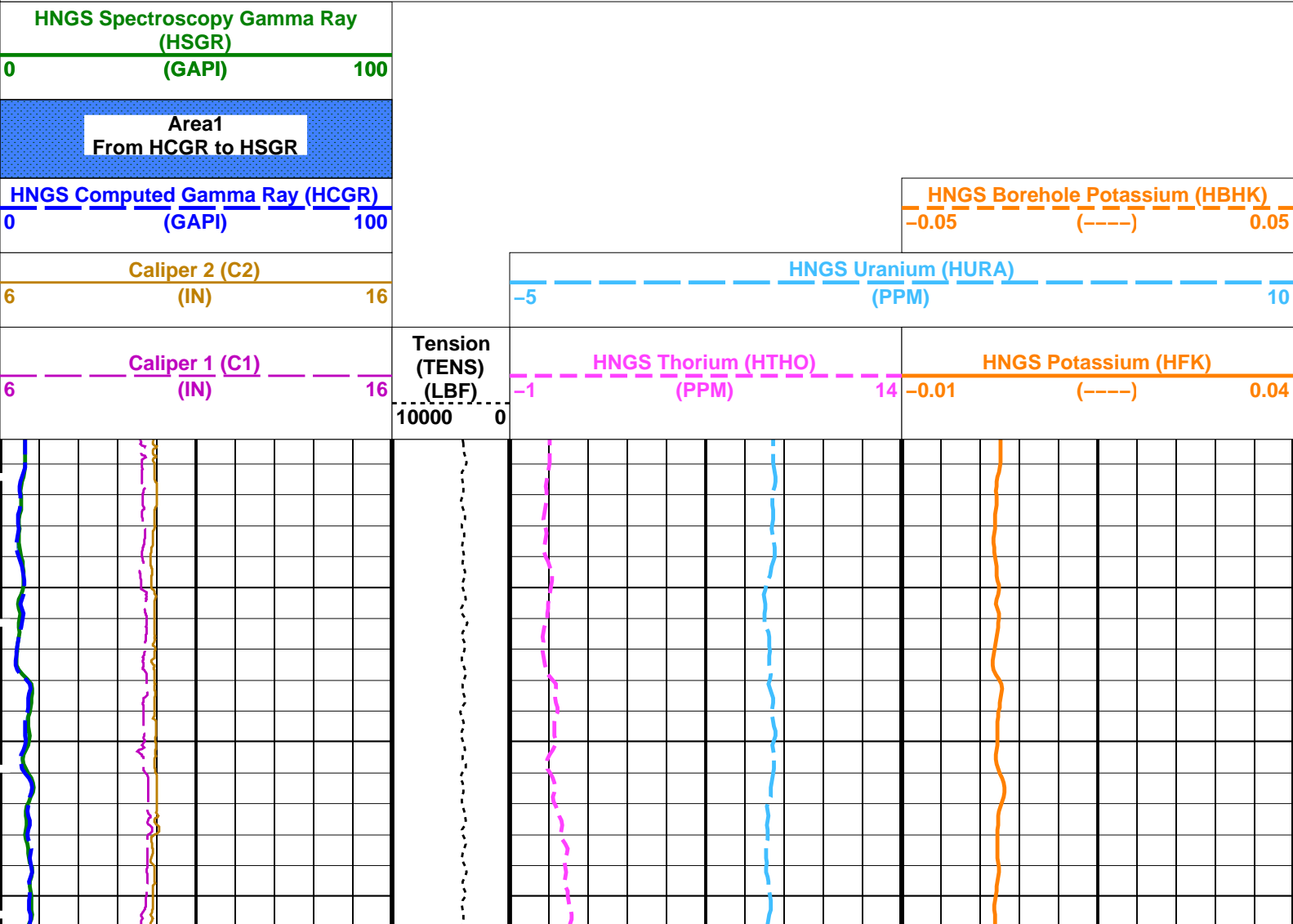
DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M

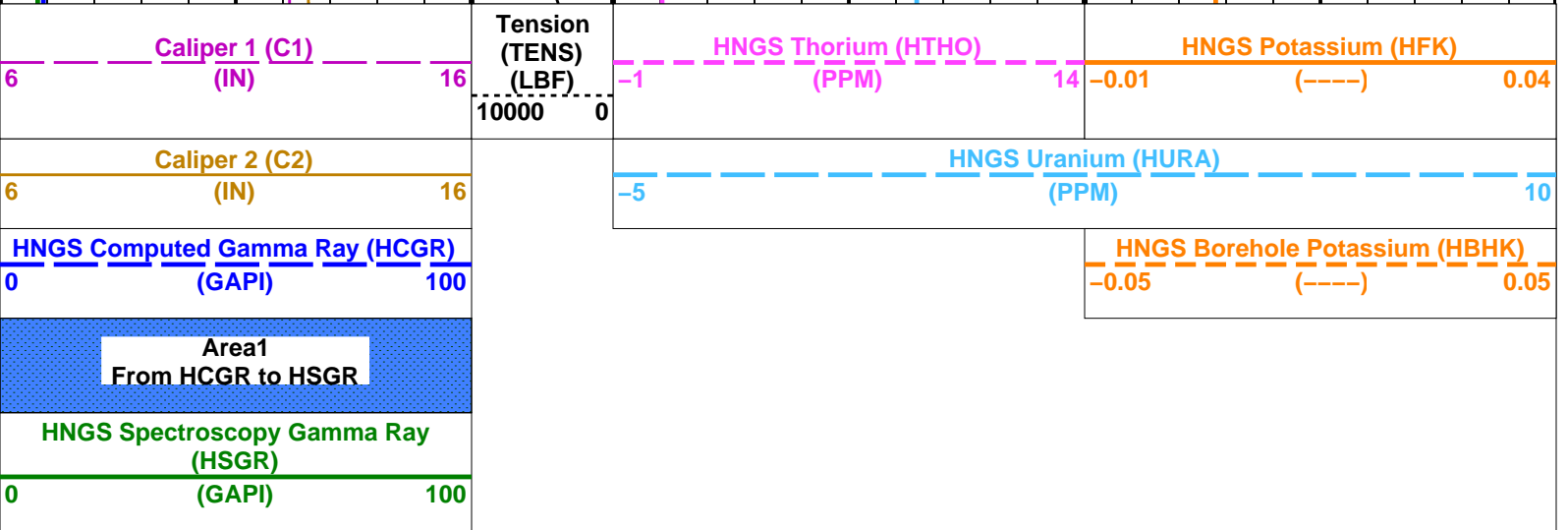
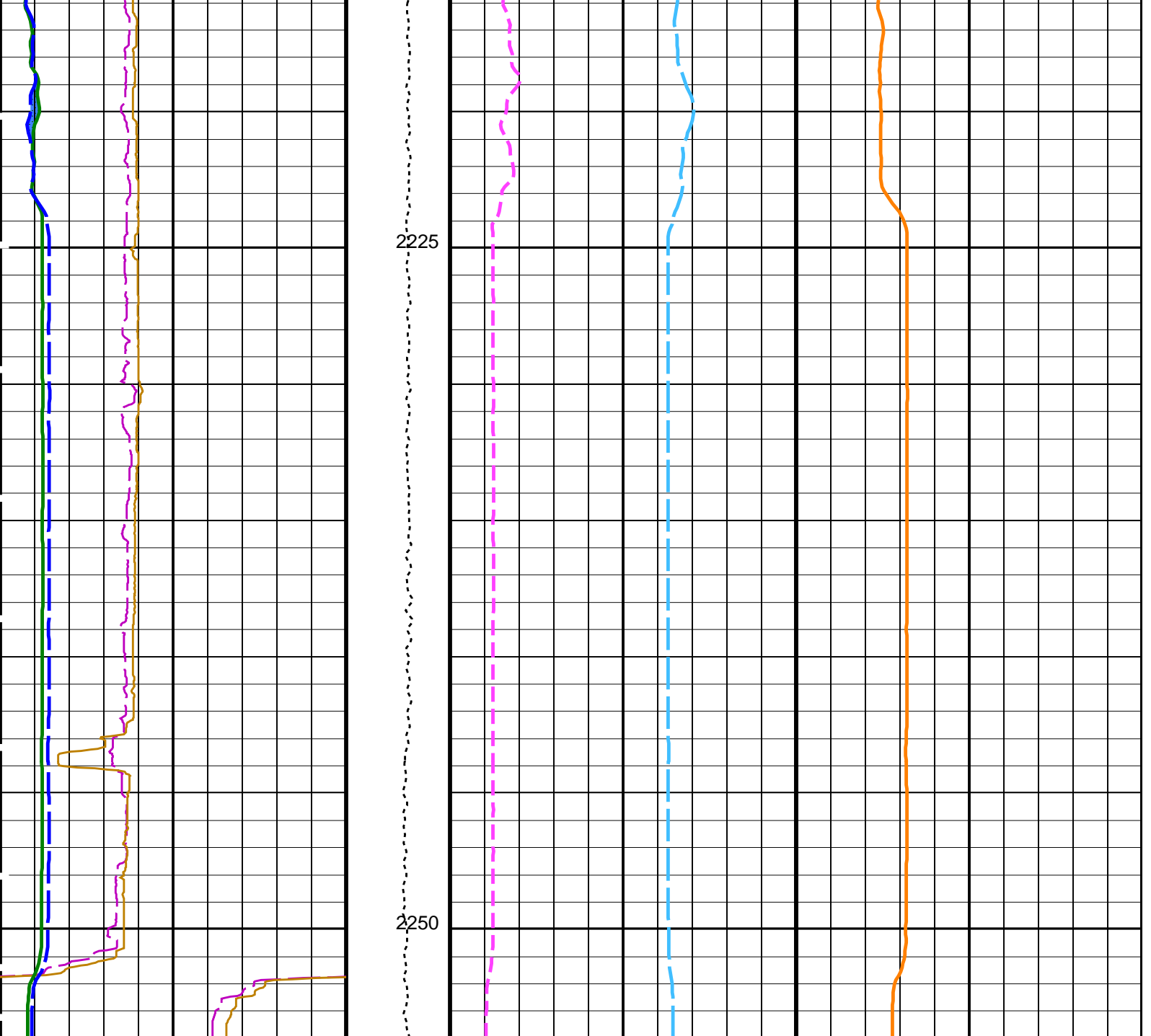
## OP System Version: 19C0-187

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





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	-0.00176663	
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	1.02573	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.07022	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 20-Aug-2021 18:30

### 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

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30

Company: International Ocean Discovery Program Well: Expedition 396, Site U1566A

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M

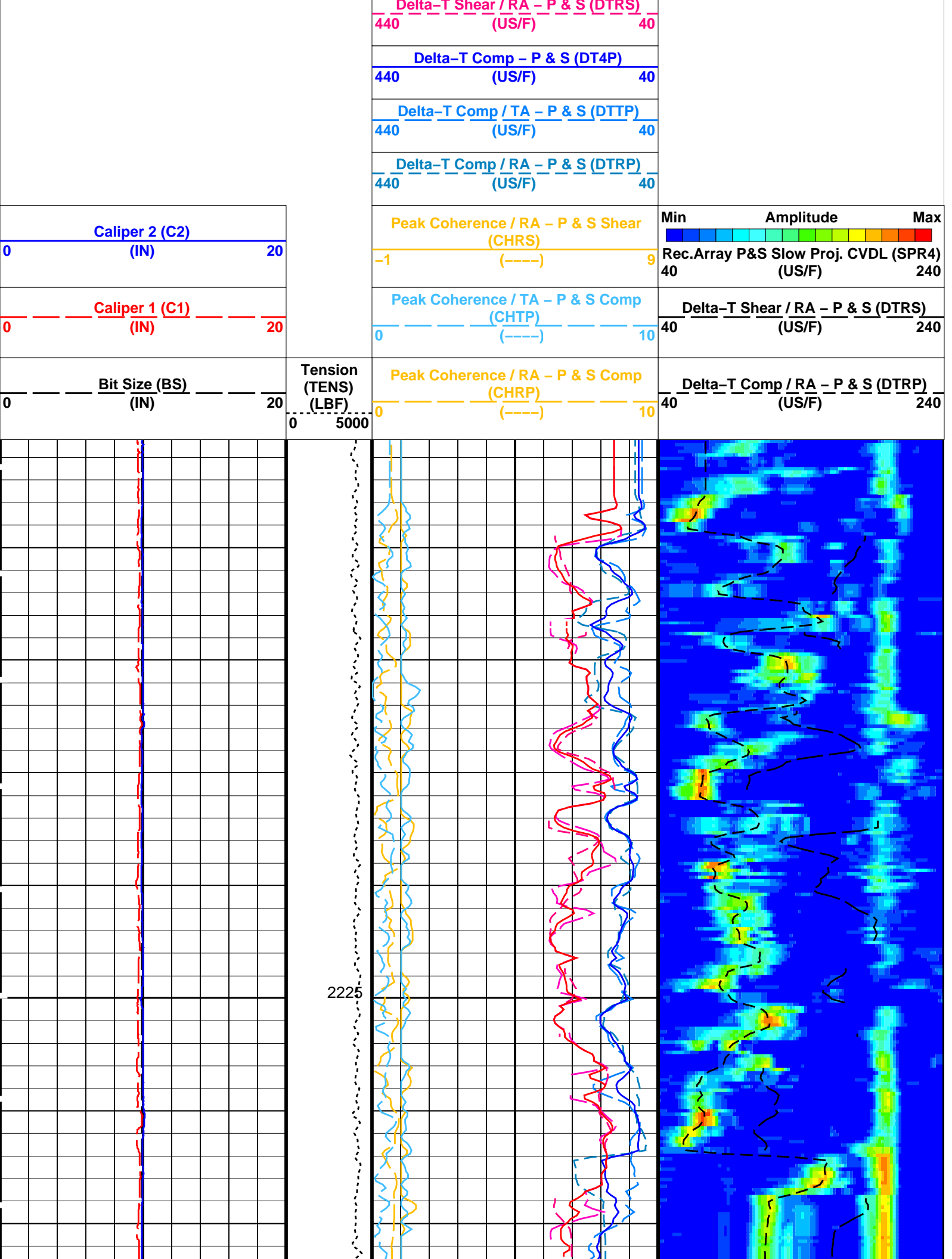
### OP System Version: 19C0-187

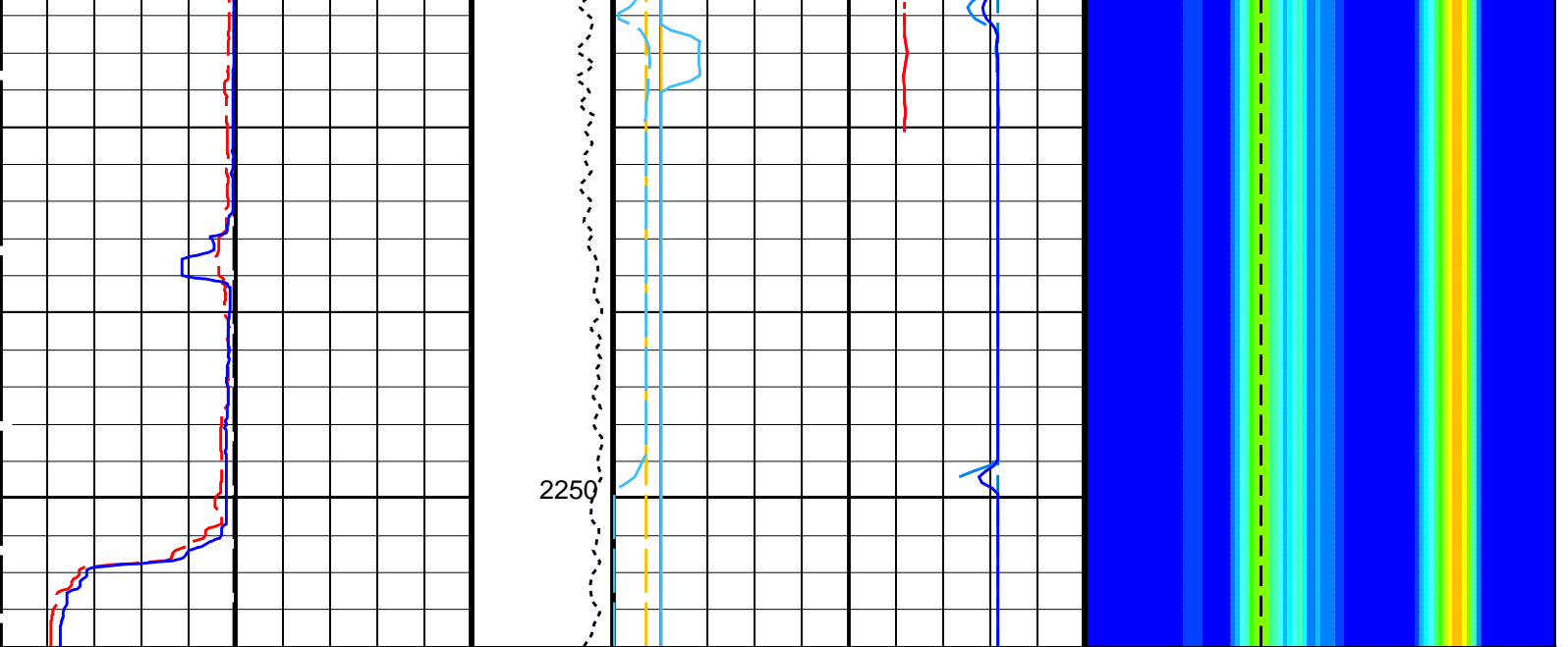
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

### PIP SUMMARY

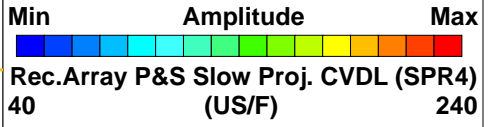
Time Mark Every 60 S

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





0	Bit Size (BS) (IN)	20	0	Tension (TENS) (LBF)	5000	0	Peak Coherence / RA - P & S Comp (CHRP)	10	40	Delta-T Comp / RA - P & S (DTRP)	240
0	Caliper 1 (C1) (IN)	20	0			0	Peak Coherence / TA - P & S Comp (CHTP)	10	40	Delta-T Shear / RA - P & S (DTRS)	240
0	Caliper 2 (C2) (IN)	20	-1			-1	Peak Coherence / RA - P & S Shear (CHRS)	9	40	Delta-T Comp / RA - P & S (DTRP)	240
			440			440	Delta-T Comp / RA - P & S (DTRP)	40	40	Delta-T Comp / TA - P & S (DTTP)	40
			440			440	Delta-T Comp / TA - P & S (DTTP)	40	40	Delta-T Comp - P & S (DT4P)	40
			440			440	Delta-T Comp - P & S (DT4P)	40	40	Delta-T Shear / RA - P & S (DTRS)	40
			440			440	Delta-T Shear / RA - P & S (DTRS)	40	40	Delta-T Shear / TA - P & S (DTTS)	40
			440			440	Delta-T Shear / TA - P & S (DTTS)	40	40	Delta-T Shear - P & S (DT4S)	40
			440			440	Delta-T Shear - P & S (DT4S)	40	40	Peak Coherence / TA - P & S Shear (CHTS)	40
			-1			-1	Peak Coherence / TA - P & S Shear (CHTS)	9	40		



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	190 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSIA	Digitizer Sample Interval 4	10 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	195	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
BHS	HNGS–BA: Hostile Natural Gamma Ray Sonde Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN

Format: DSST\_P\_S\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 20–Aug–2021 18:30

### 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

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20–Aug–2021 18:30
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20–Aug–2021 18:30

Company: International Ocean Discovery Program    Well: Expedition 396, Site U1566A

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20–Aug–2021 18:30	2254.0 M	2200.7 M
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20–Aug–2021 18:30	2254.0 M	2200.7 M

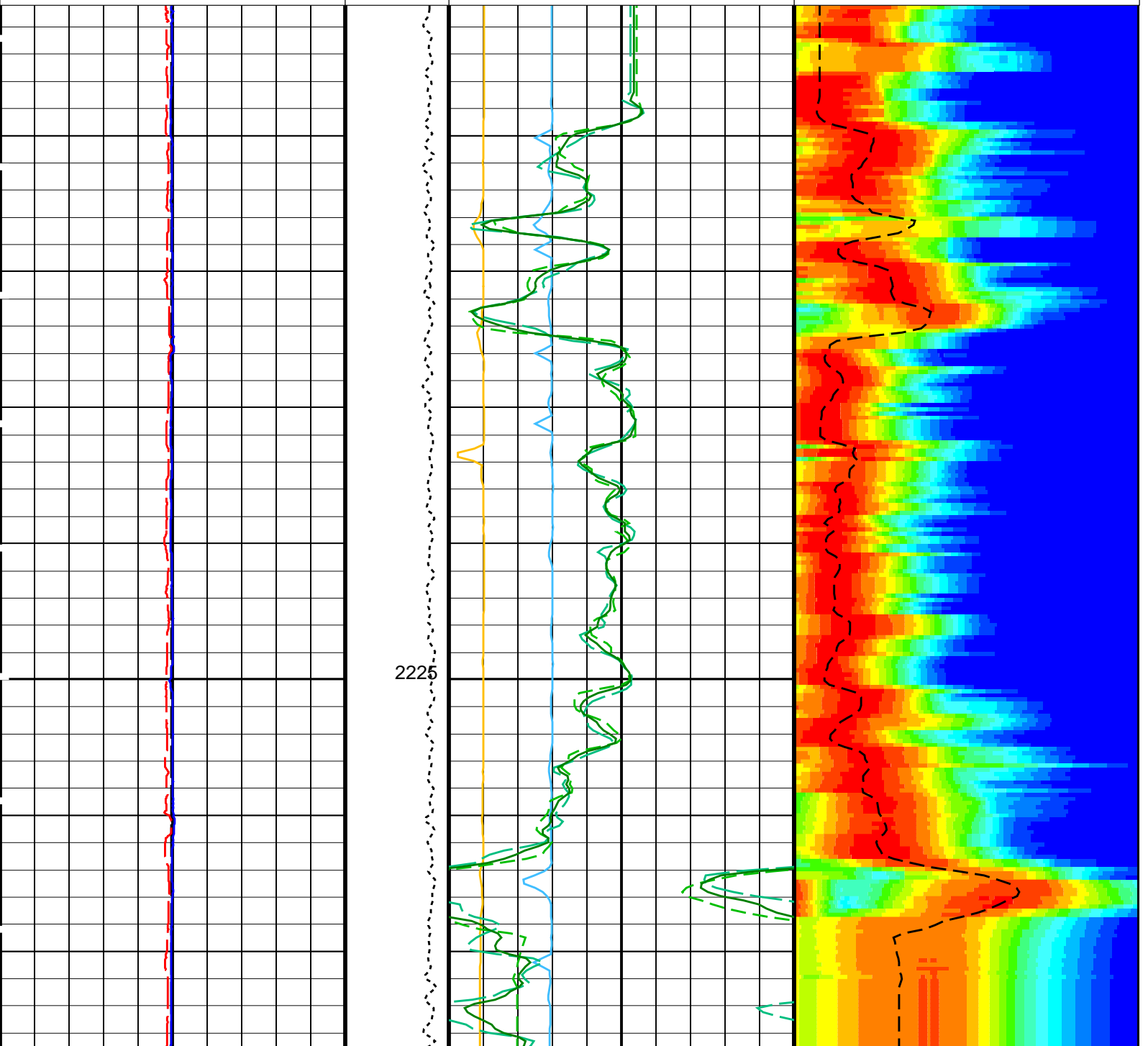
### OP System Version: 19C0–187

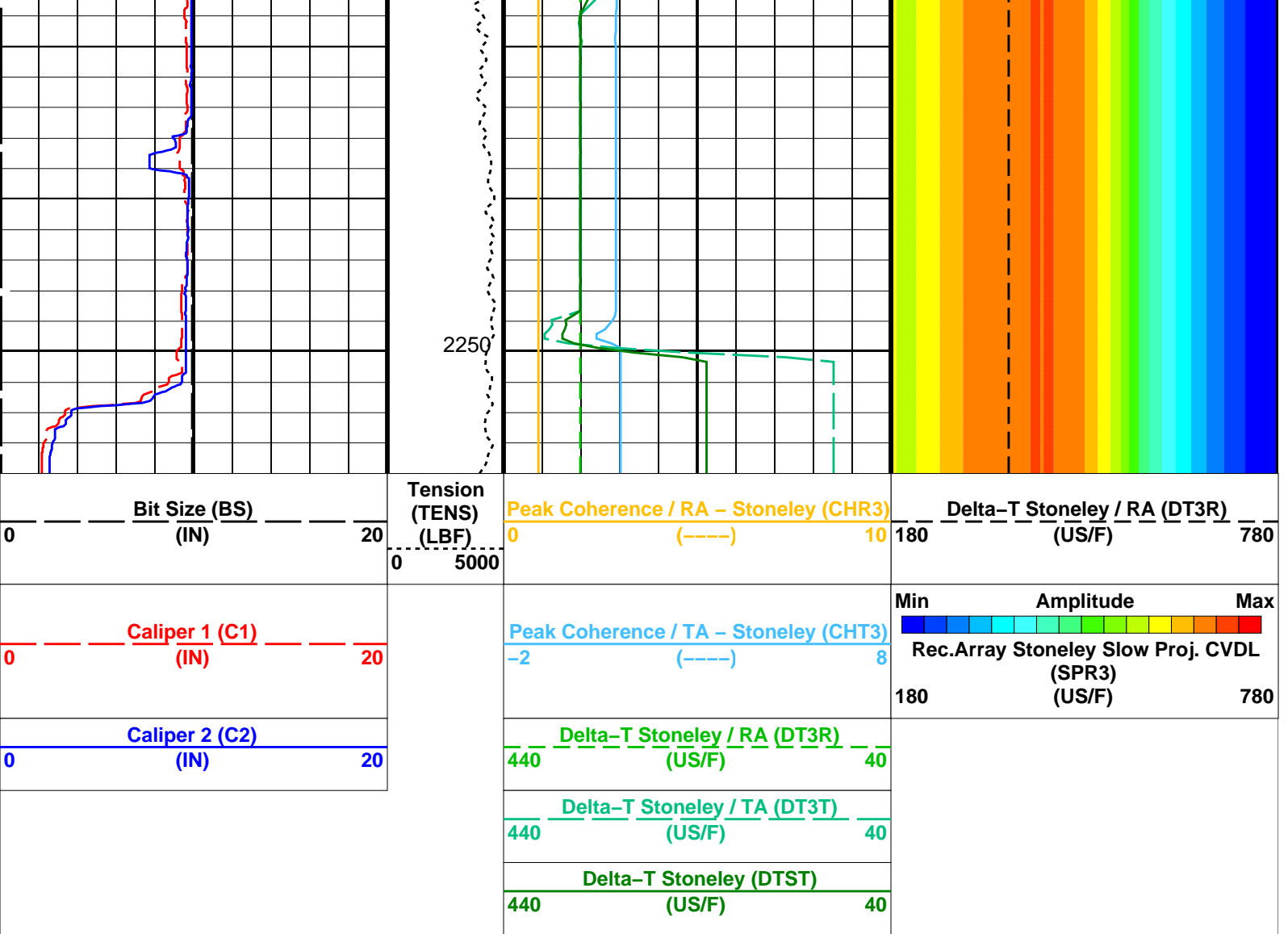
MEST–B	19C0–187	DTA–A	19C0–187
DSST–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	DTC–H	19C0–187

PIP SUMMARY

Time Mark Every 60 S

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





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 DT3R 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	WE_SAM3

SSWS	STC Source Waveform – Monopole Stoneley	WF_SAMS	180	US/F
STLL	Label Slowness Lower Limit – Monopole Stoneley		780	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley		780	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley		40	US/F
SWD3	STC Slowness Width – Monopole Stoneley		0	US
TBF3	STC Time for Baseline Fill – Monopole Stoneley		620	US
TLL3	STC Time Lower Limit – Monopole Stoneley		200	US
TST3	STC Time Step – Monopole Stoneley		12020	US
TUL3	STC Time Upper Limit – Monopole Stoneley		2000	US
TWD3	STC Time Width – Monopole Stoneley		1600	US
TWI3	STC Integration Time Window – Monopole Stoneley		0	
TWSX	Transmitter Waveform Select X			
BS	System and Miscellaneous Bit Size		9.875	IN

Format: DSST\_STONELEY\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 20-Aug-2021 18:30

### 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

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30

### Output DLIS Files

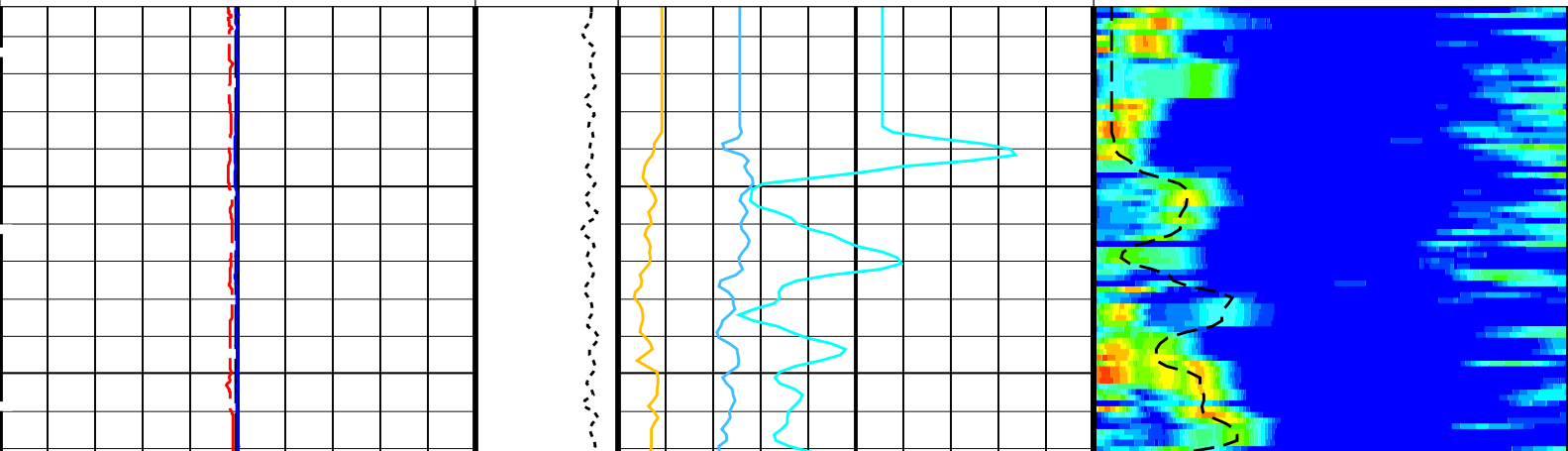
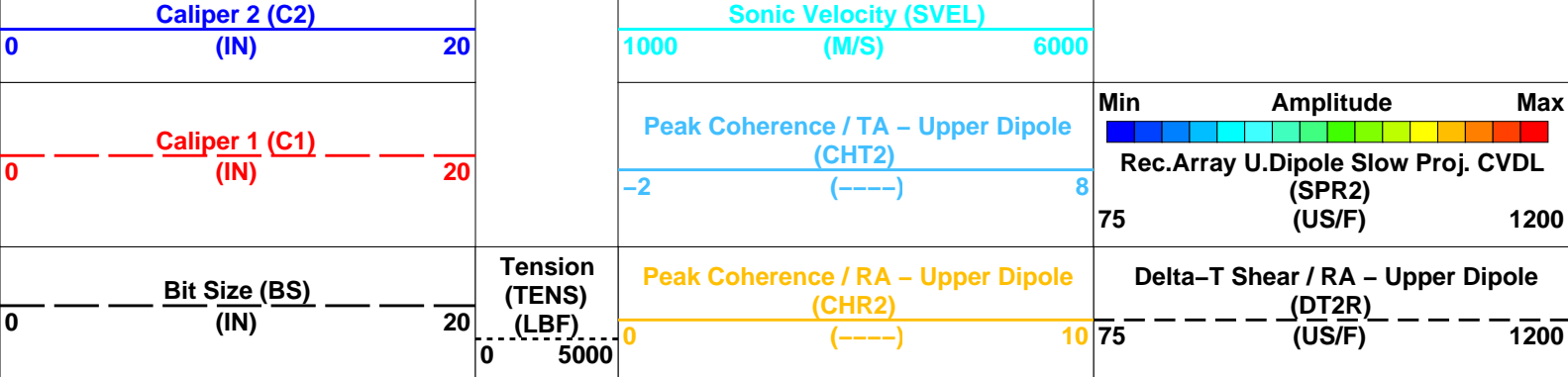
DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M

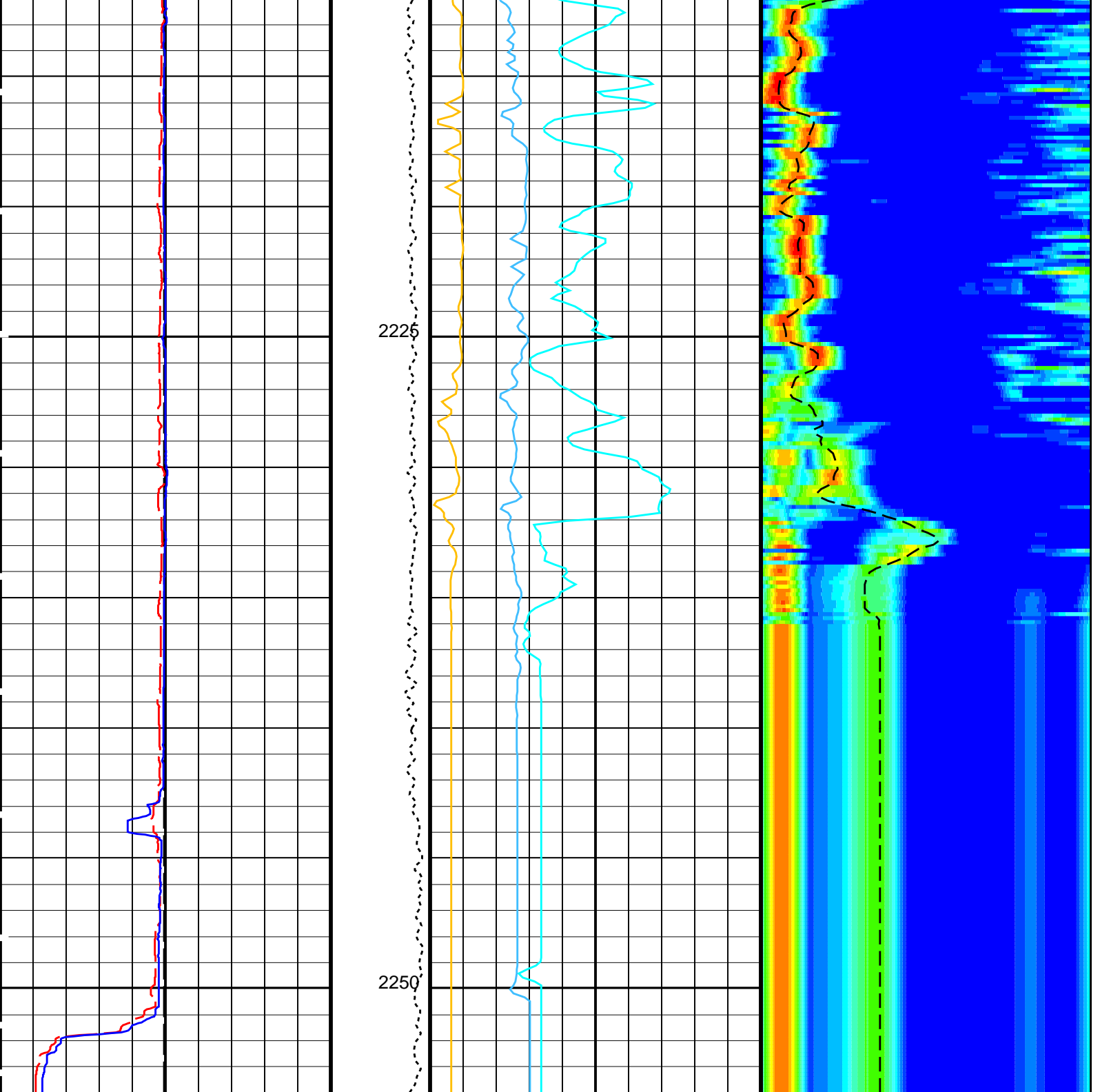
### OP System Version: 19C0-187

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





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

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	1400	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
BS	System and Miscellaneous Bit Size	9.875	IN

Format: DSST\_UPPER\_DIPOLE\_VDL\_COLOR Vertical Scale: 1:200 Graphics File Created: 20-Aug-2021 18:30

**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

**Output DLIS Files**

DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30

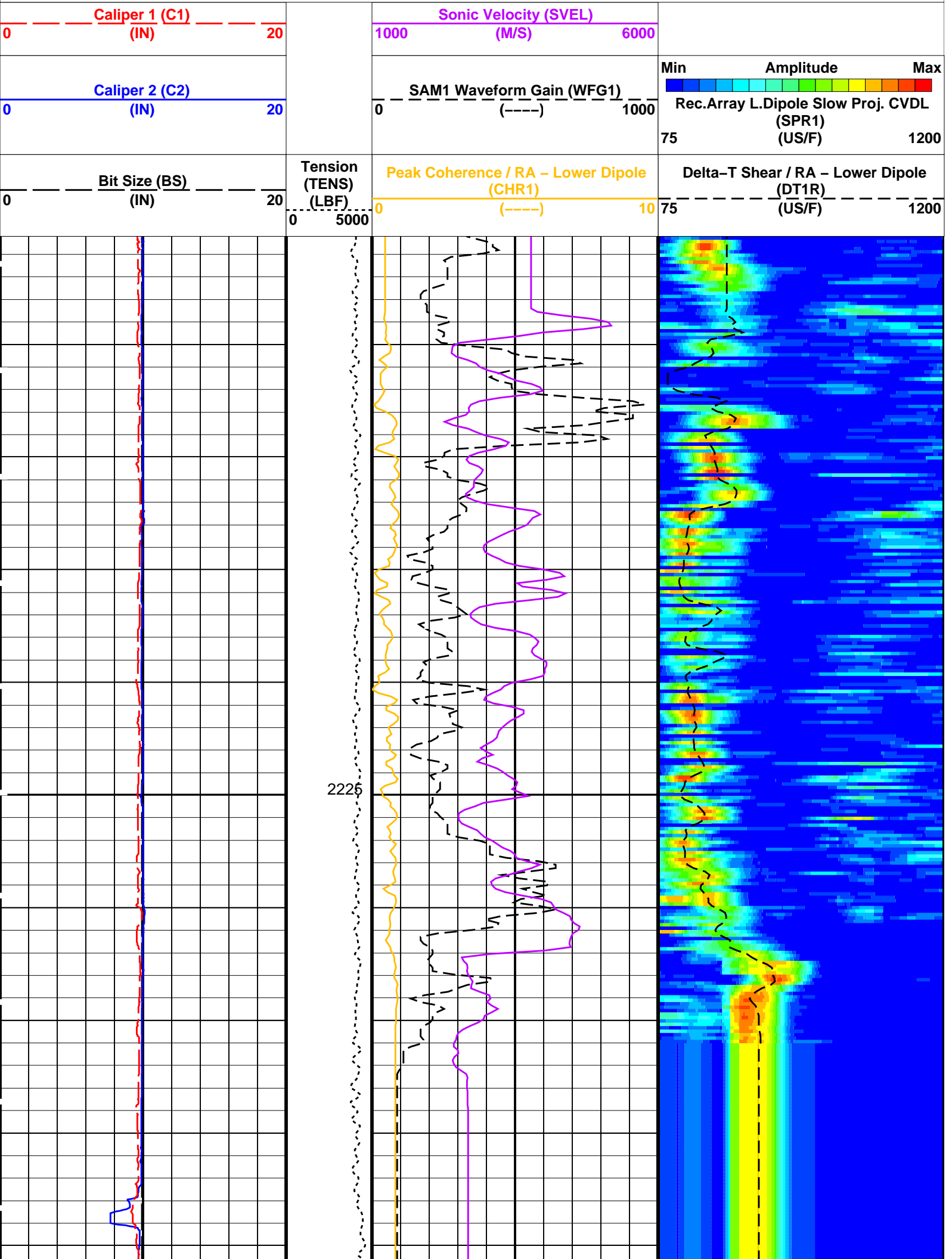
**Output DLIS Files**

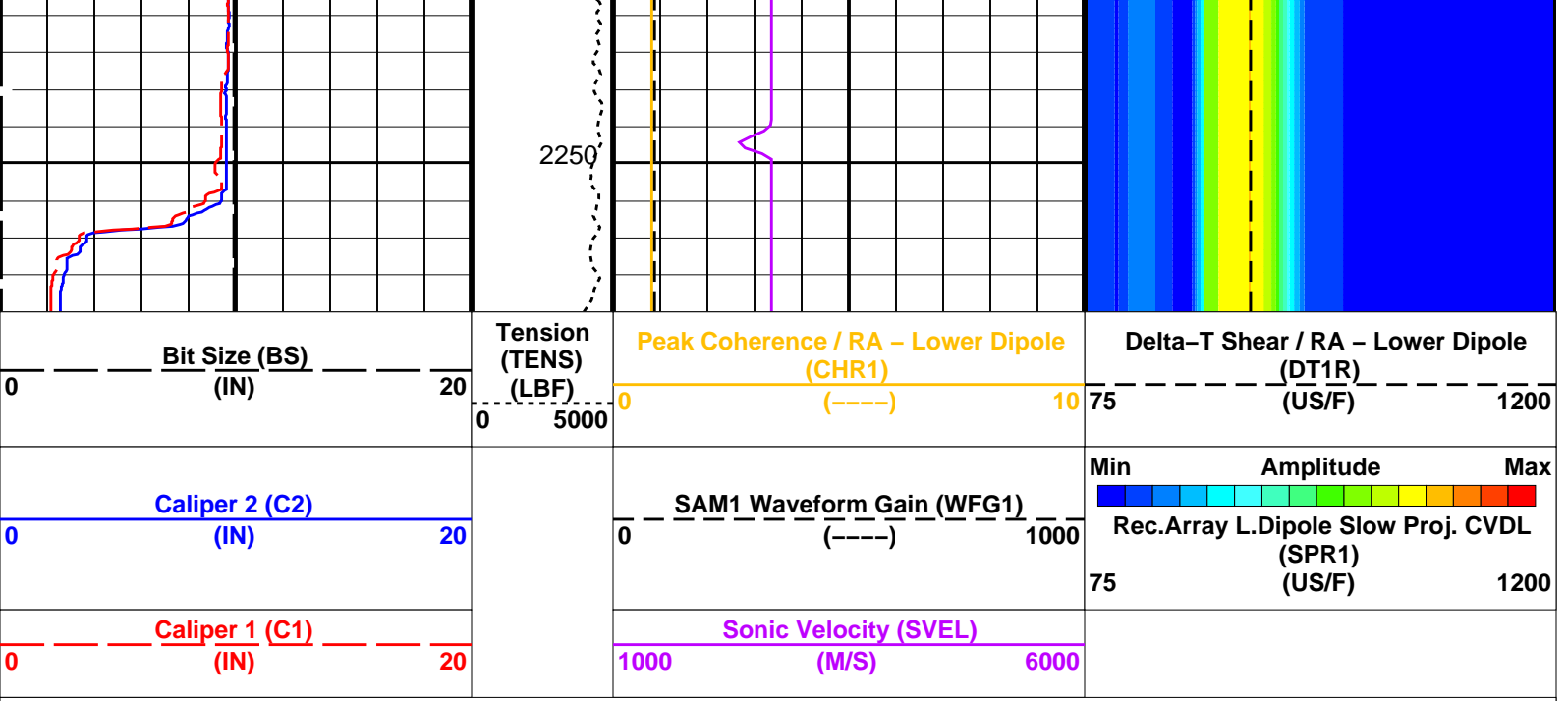
DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M

**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**





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	1400 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

# 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

## Output DLIS Files

DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30

Company: International Ocean Discovery Program

Well: Expedition 396, Site U1566A

## Output DLIS Files

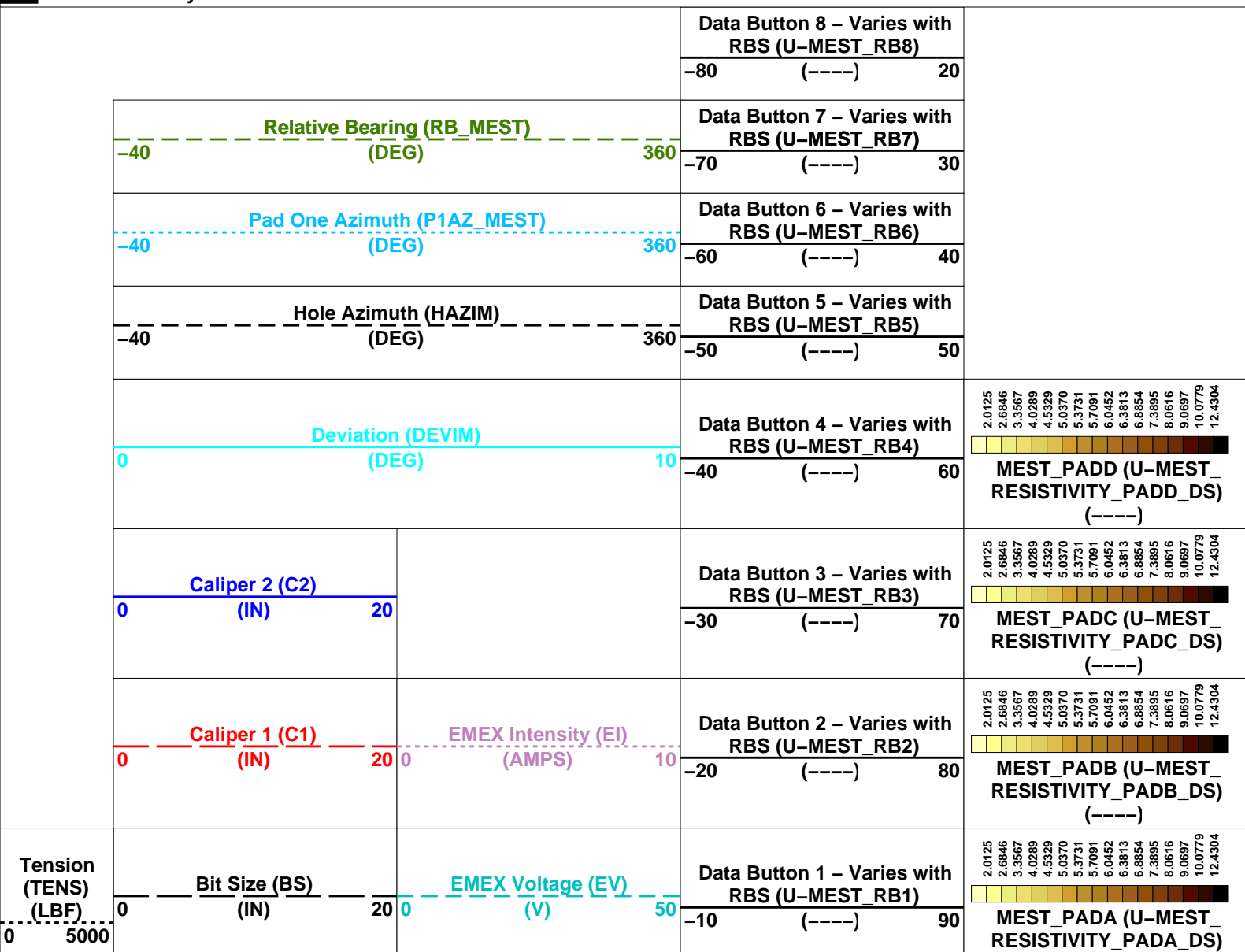
DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30	2254.0 M	2200.7 M

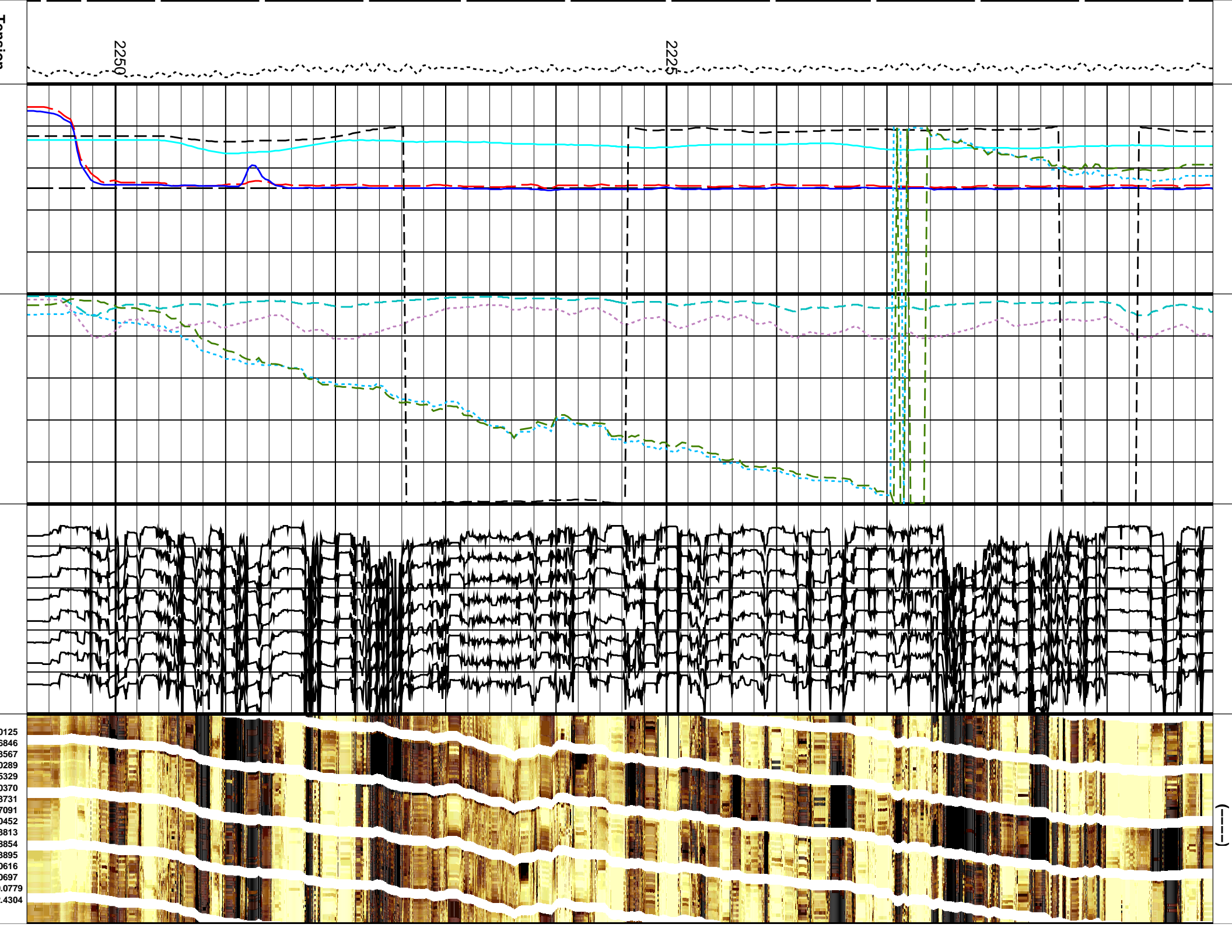
# OP System Version: 19C0-187

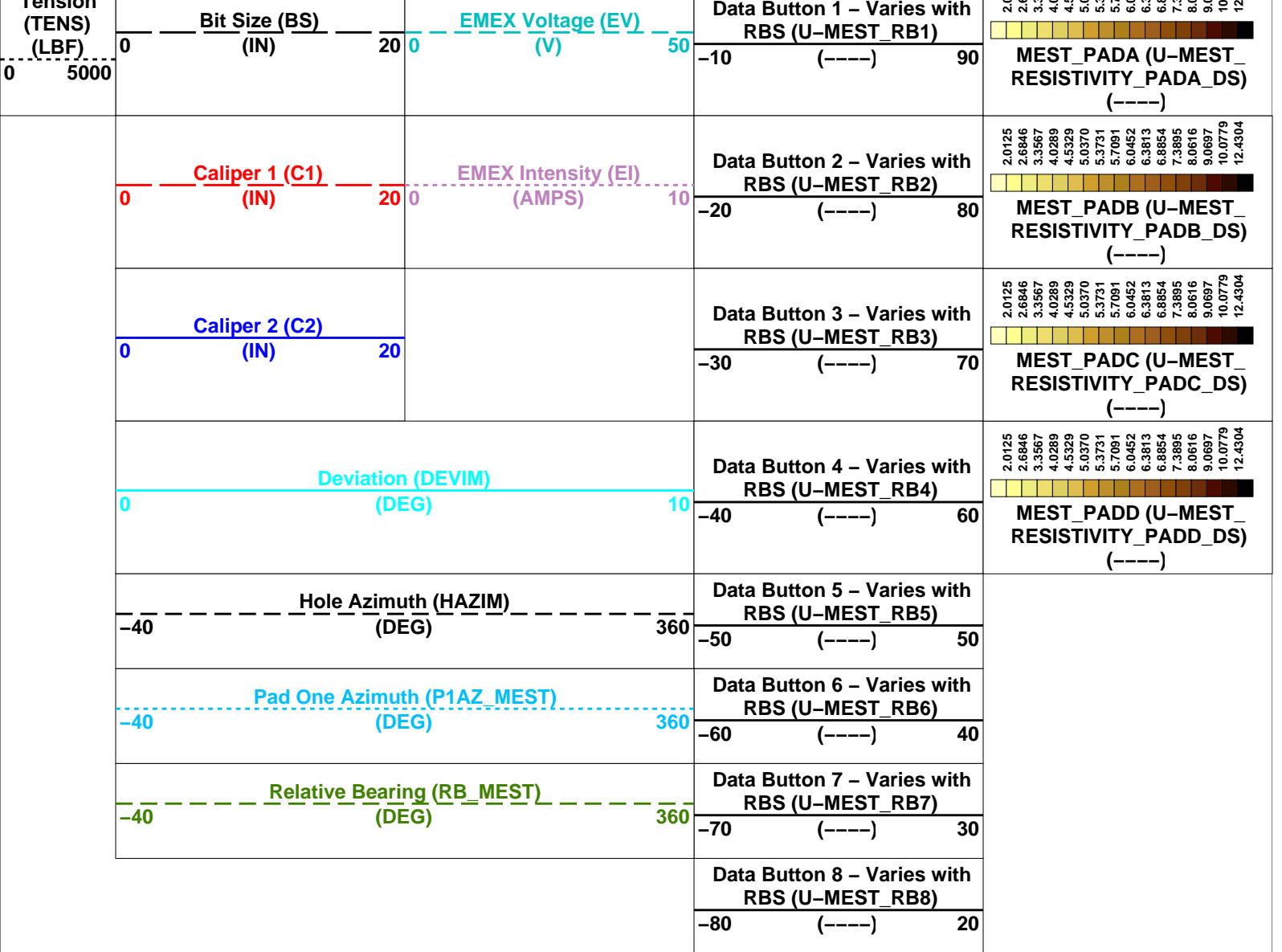
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

### PIP SUMMARY

Time Mark Every 60 S







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	0.852532 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

Format: MEST\_C\_WRAP\_BY\_P1AZ Vertical Scale: 1:200

Graphics File Created: 20-Aug-2021 18:30

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

Output DLIS Files

DEFAULT	FMS_DSI_NGS_030LUP	FN:28	PRODUCER	20-Aug-2021 18:30
RTB	FMS_DSI_NGS_030LUP	FN:29	PRODUCER	20-Aug-2021 18:30

Output DLIS Files

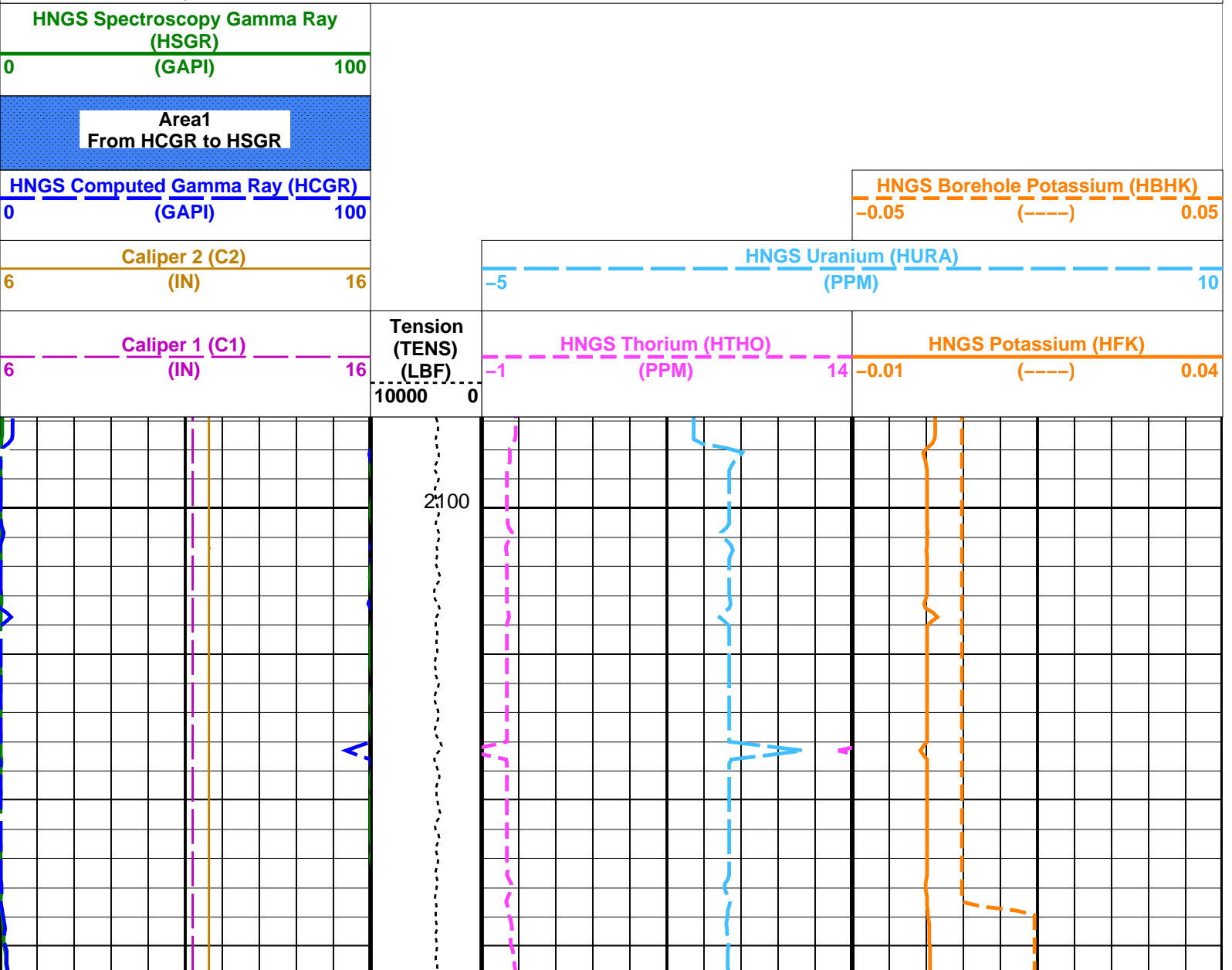
DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52	2254.0 M	2097.0 M
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52	2254.0 M	2097.0 M

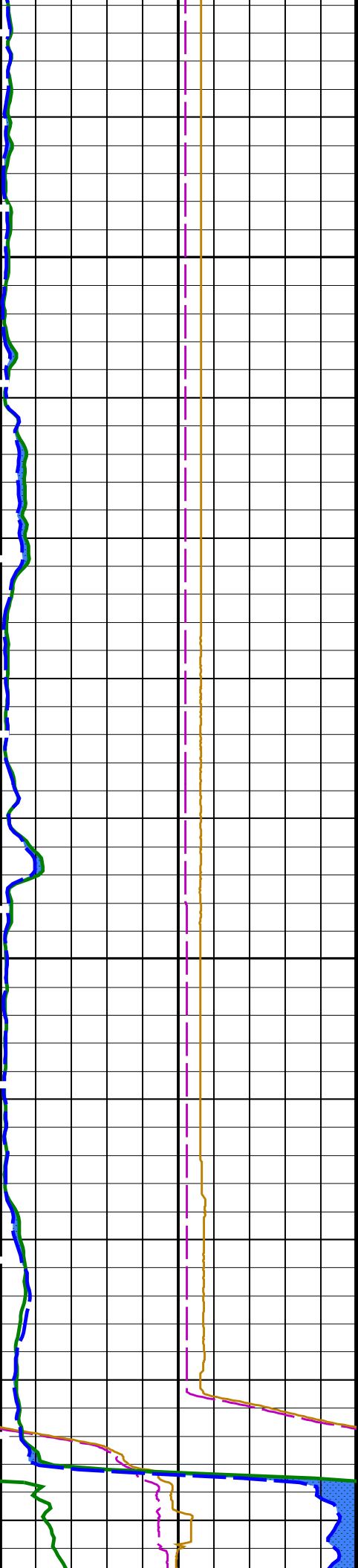
OP System Version: 19C0-187

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

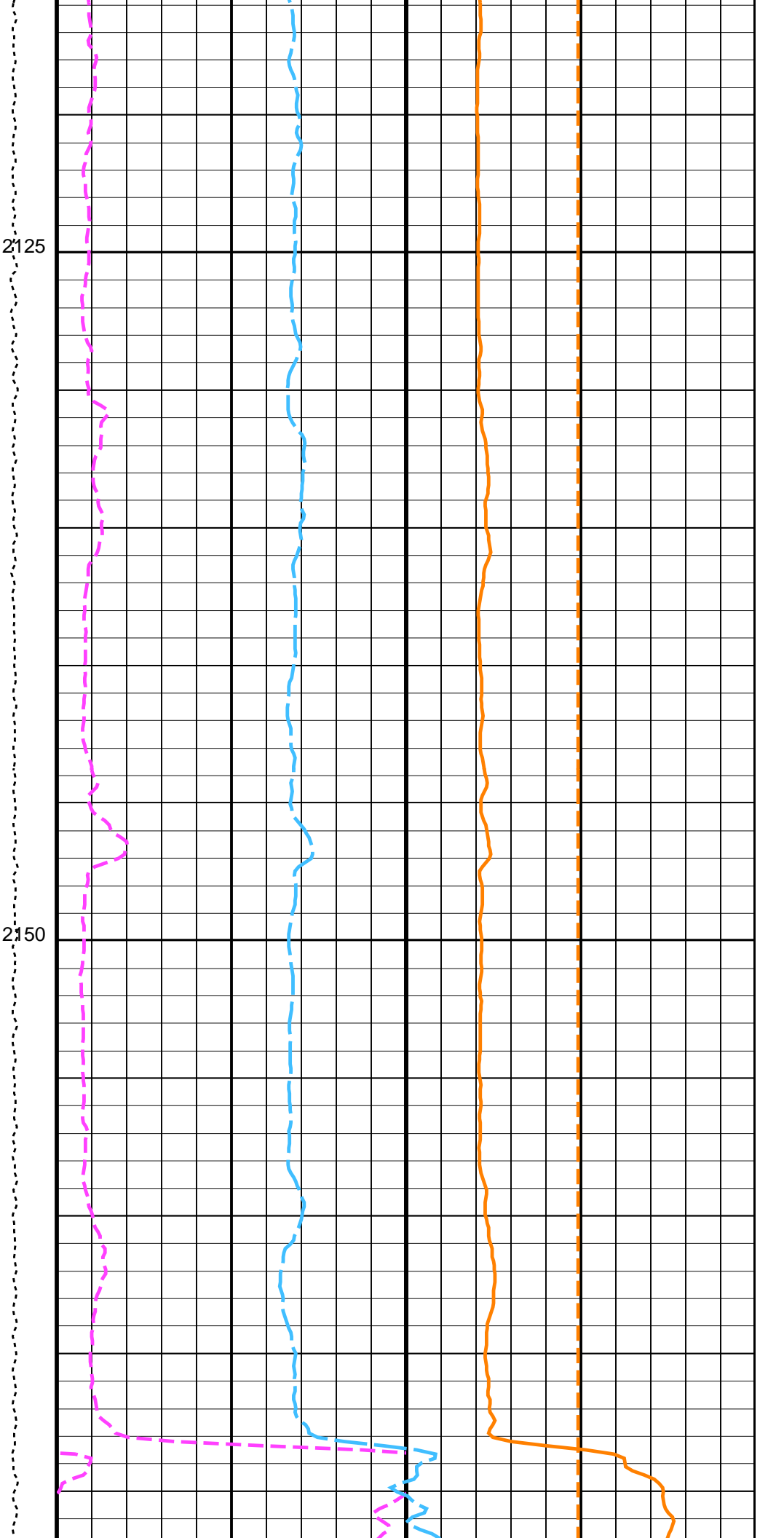
Time Mark Every 60 S



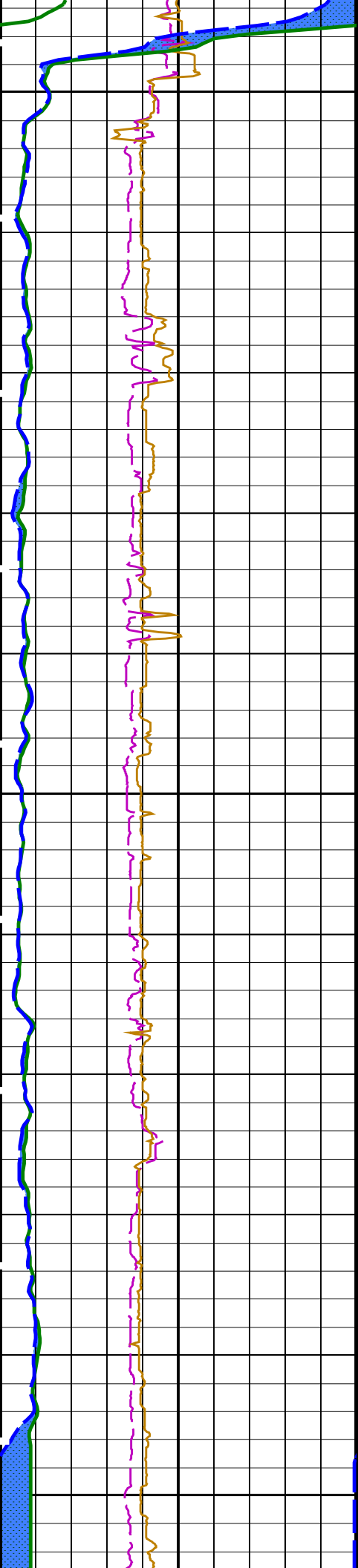


2125

2150



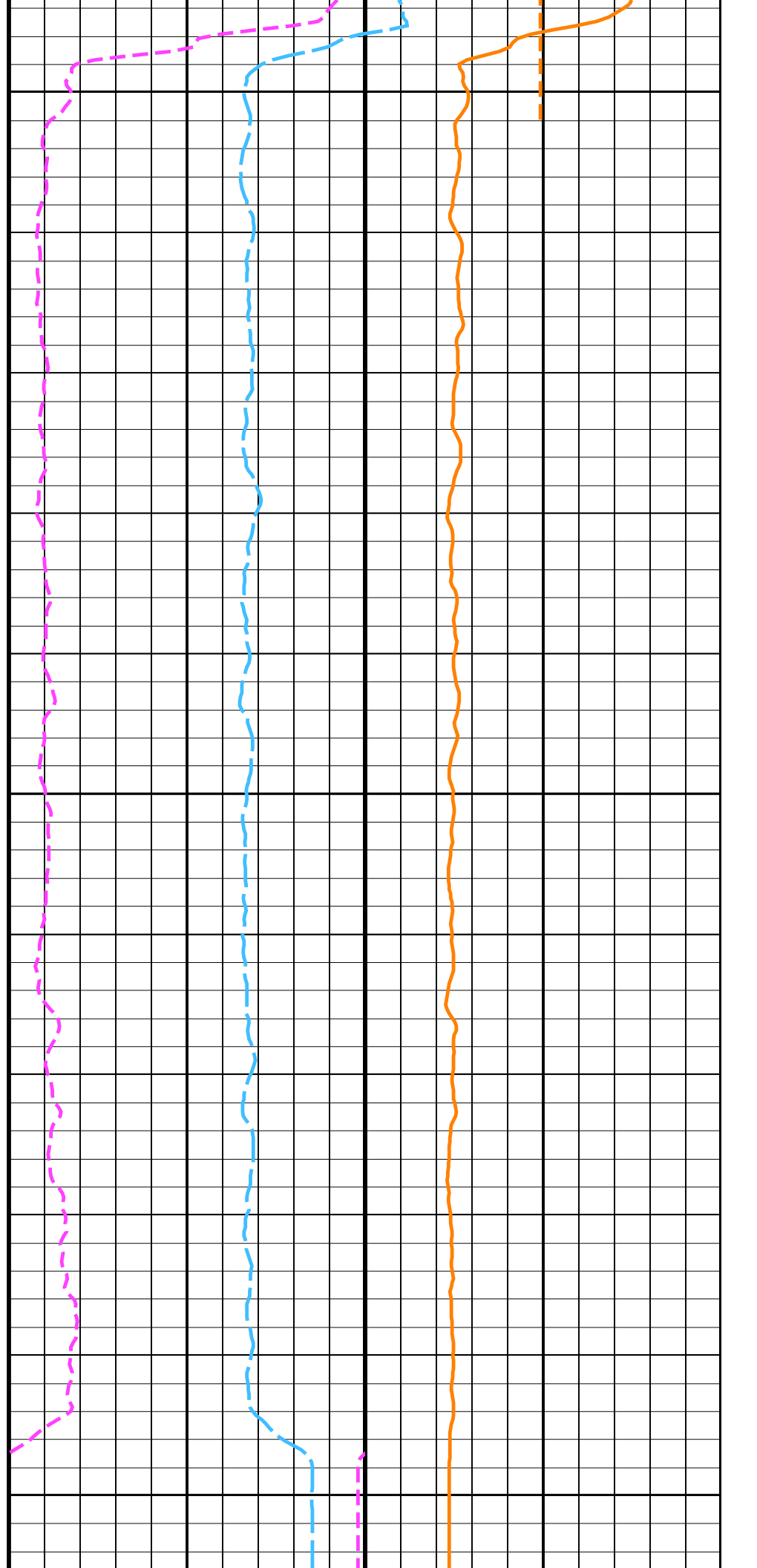


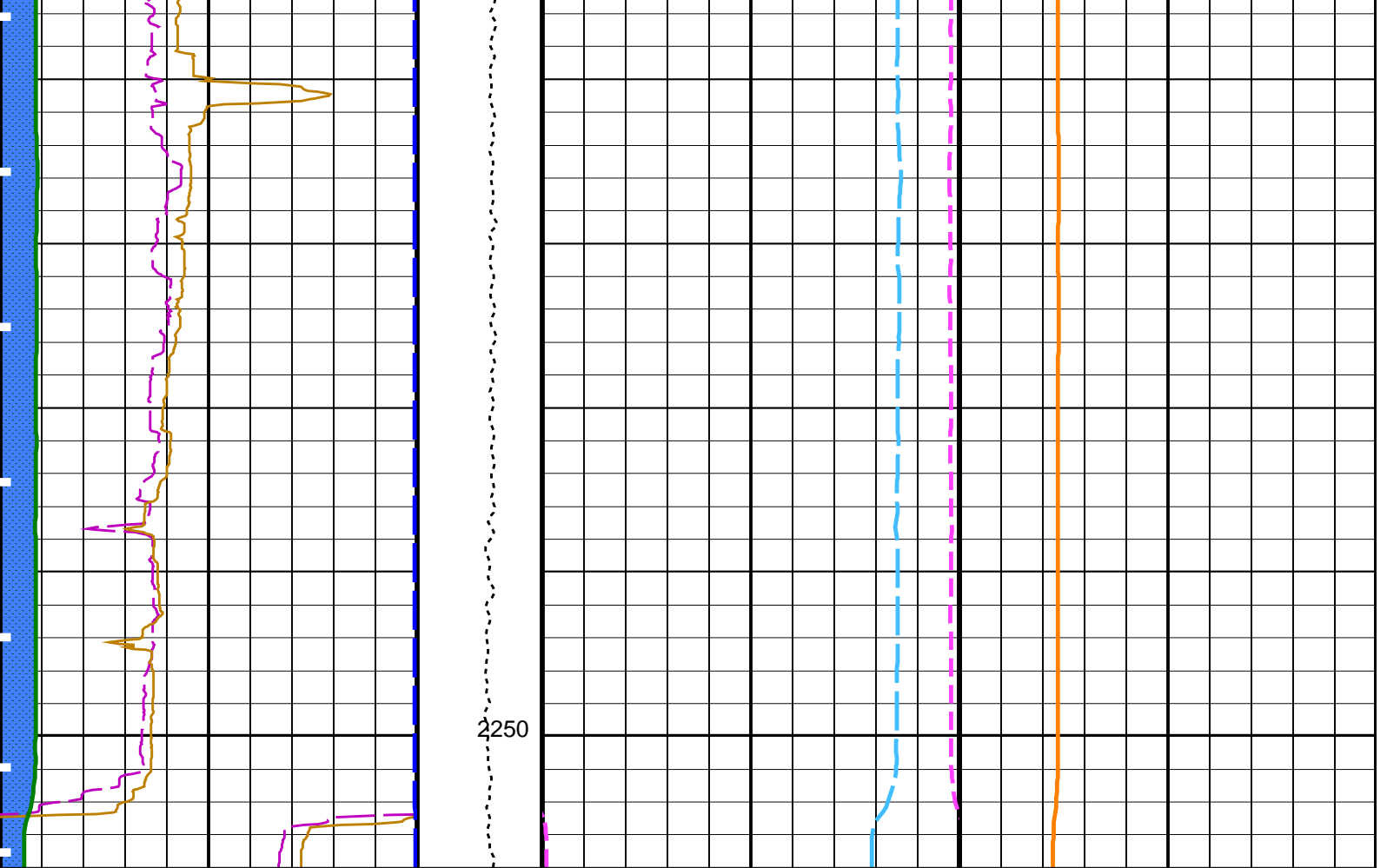


2175

2200

2225





6	Caliper 1 (C1) (IN)	16	10000	0	-1	HNGS Thorium (HTHO) (PPM)	14	-0.01	HNGS Potassium (HFK) (-----)	0.04
6	Caliper 2 (C2) (IN)	16			-5	HNGS Uranium (HURA) (PPM)	10			
0	HNGS Computed Gamma Ray (HCGR) (GAPI)	100						-0.05	HNGS Borehole Potassium (HBHK) (-----)	0.05
Area1 From HCGR to HSGR										
0	HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	100								

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
U412	HNGS Detector 1 Allow/Discallow In Processing	ALLOW

H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00176663	
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	1.02573	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.07022	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3

Format: HNGSYields    Vertical Scale: 1:200    Graphics File Created: 20-Aug-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

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52

Company: International Ocean Discovery Program    Well: Expedition 396, Site U1566A

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M

### OP System Version: 19C0-187

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

### PIP SUMMARY

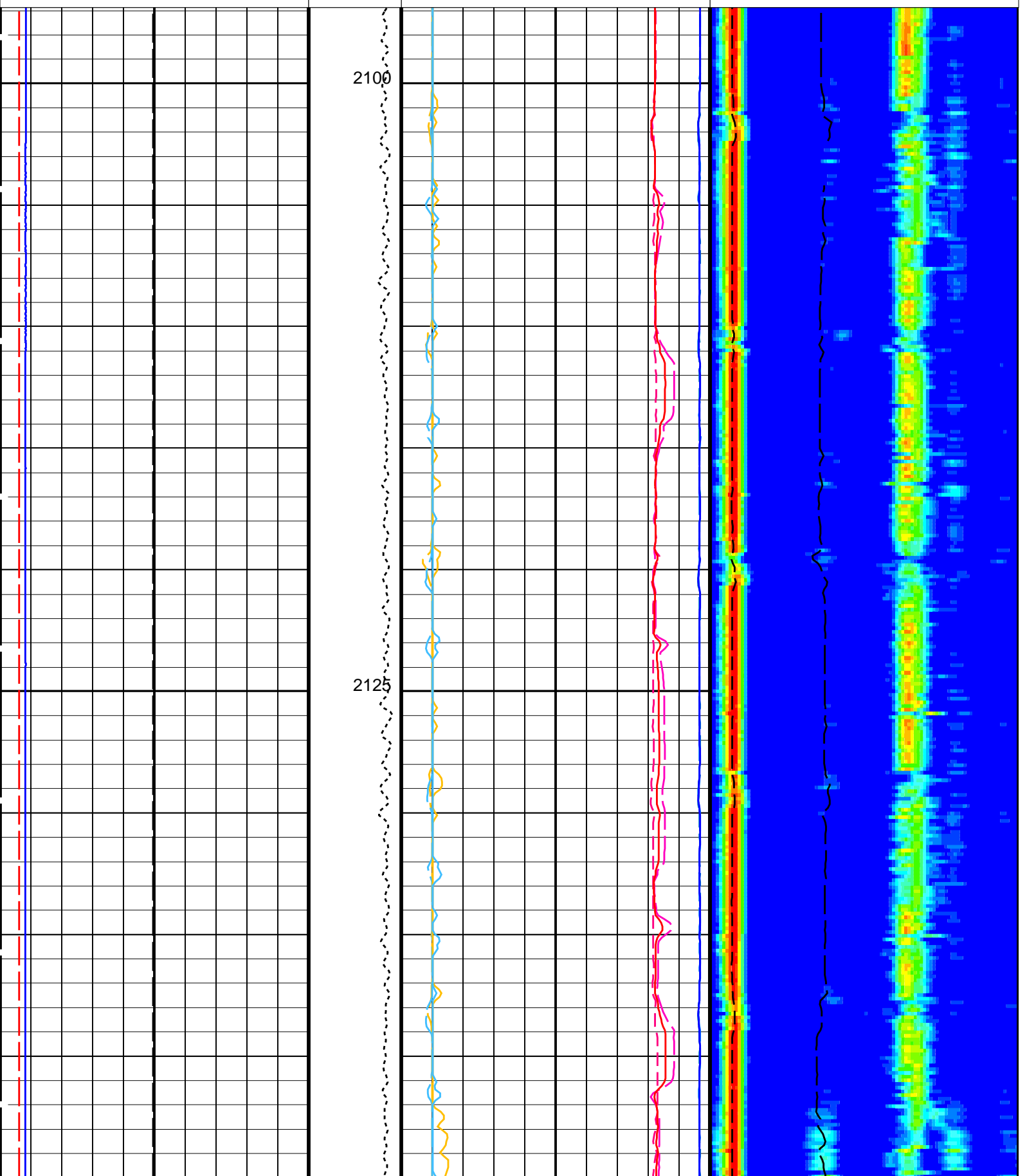
Time Mark Every 60 S

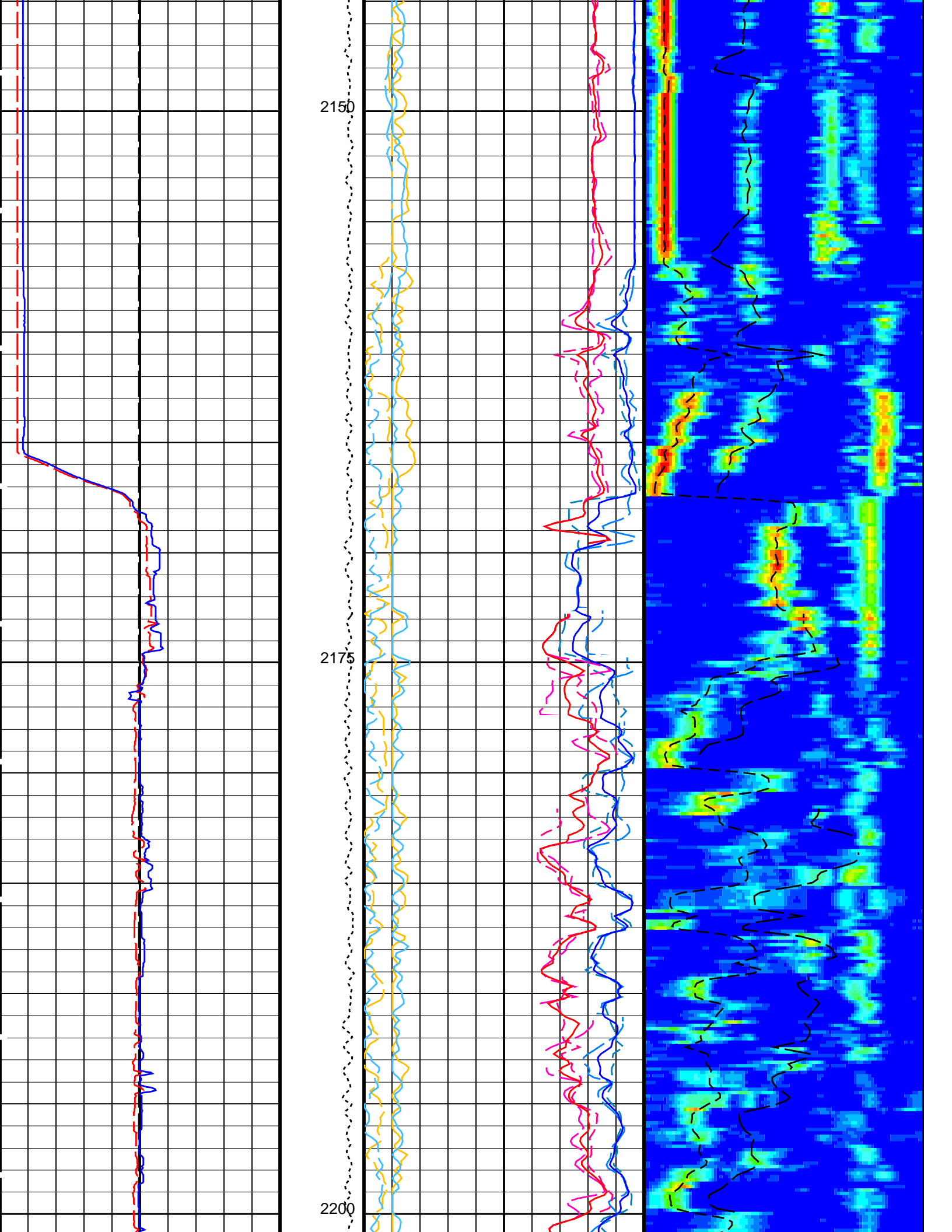
	<b>Peak Coherence / TA - P &amp; S Shear (CHTS)</b> -1                      (----)                      9	
	<b>Delta-T Shear - P &amp; S (DT4S)</b> 440                      (US/F)                      40	
	<b>Delta-T Shear / TA - P &amp; S (DTTS)</b> 440                      (US/F)                      40	
	<b>Delta-T Shear / RA - P &amp; S (DTRS)</b> 440                      (US/F)                      40	
	<b>Delta-T Comp - P &amp; S (DT4P)</b> 440                      (US/F)                      40	
	<b>Delta-T Comp / TA - P &amp; S (DTTP)</b> 440                      (US/F)                      40	
	<b>Delta-T Comp / RA - P &amp; S (DTRP)</b> 440                      (US/F)                      40	

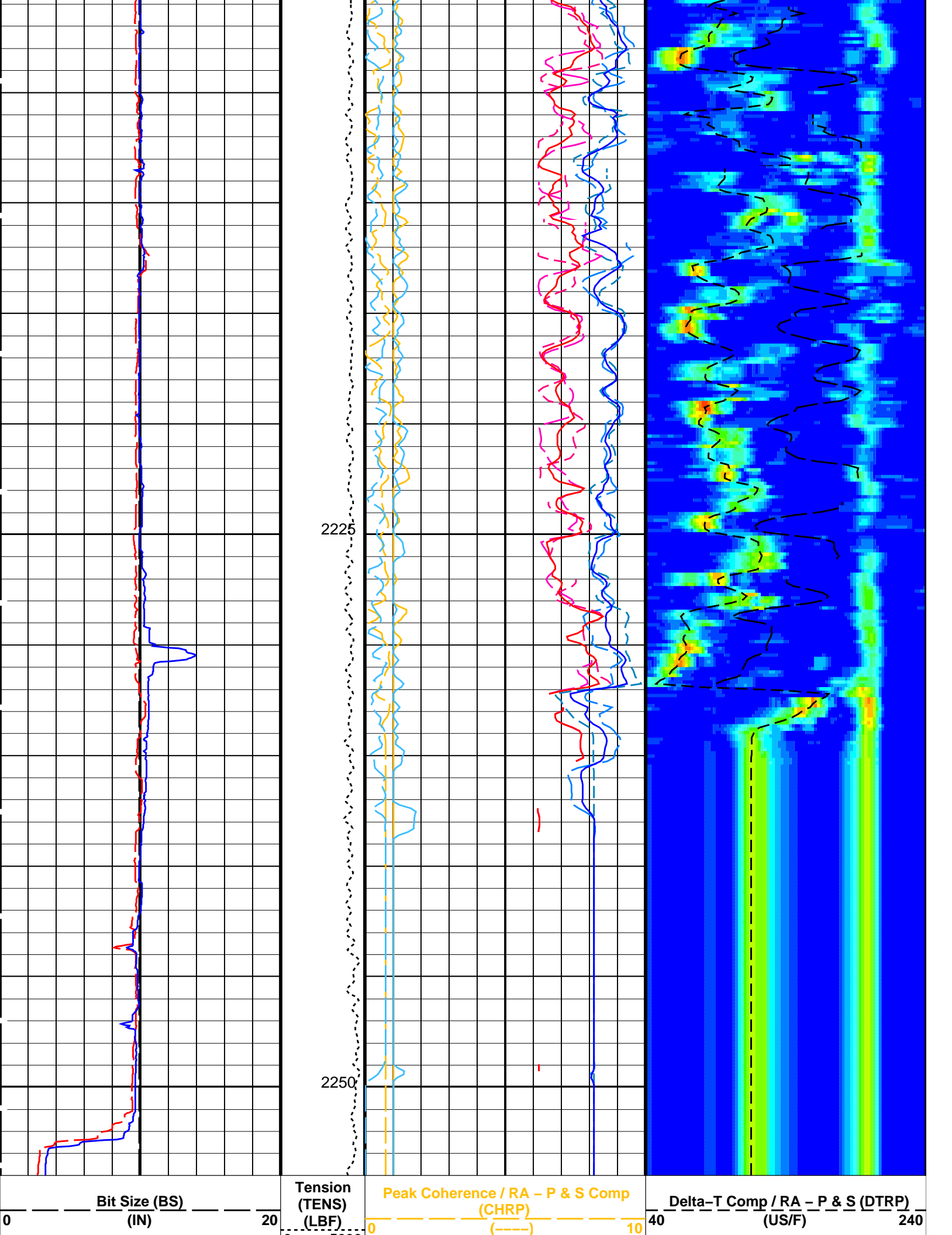
Caliper 2 (C2)
0 (IN) 20



<p><b>Caliper 1 (C1)</b> (IN)</p> <p>0 20</p>	<p><b>Peak Coherence / TA - P &amp; S Comp</b> (CHTP) (-----)</p> <p>0 10</p>	<p>40 (US/F) 240</p> <p><b>Delta-T Shear / RA - P &amp; S (DTRS)</b> (US/F) 240</p>
<p><b>Bit Size (BS)</b> (IN)</p> <p>0 20</p>	<p><b>Tension (TENS)</b> (LBF)</p> <p>0 5000</p> <p><b>Peak Coherence / RA - P &amp; S Comp</b> (CHRP) (-----)</p> <p>0 10</p>	<p>40 (US/F) 240</p> <p><b>Delta-T Comp / RA - P &amp; S (DTRP)</b> (US/F) 240</p>







0	5000	Peak Coherence / TA – P & S Comp (CHTP)	Delta-T Shear / RA – P & S (DTRS)
0	20	0	40
Caliper 1 (C1) (IN)		(----)	(US/F)
20		10	240
0	20	Peak Coherence / RA – P & S Shear (CHRS)	Min Amplitude Max
0	20	-1	40
Caliper 2 (C2) (IN)		(----)	Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)
20		9	240
		Delta-T Comp / RA – P & S (DTRP)	
		440	40
		(US/F)	
		Delta-T Comp / TA – P & S (DTTP)	
		440	40
		(US/F)	
		Delta-T Comp – P & S (DT4P)	
		440	40
		(US/F)	
		Delta-T Shear / RA – P & S (DTRS)	
		440	40
		(US/F)	
		Delta-T Shear / TA – P & S (DTTS)	
		440	40
		(US/F)	
		Delta-T Shear – P & S (DT4S)	
		440	40
		(US/F)	
		Peak Coherence / 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	190 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	195	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
BHS	HNGS-BA: Hostile Natural Gamma Ray Sonde Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN

Format: DSST\_P\_S\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 20-Aug-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

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52

Company: International Ocean Discovery Program    Well: Expedition 396, Site U1566A

### Output DLIS Files

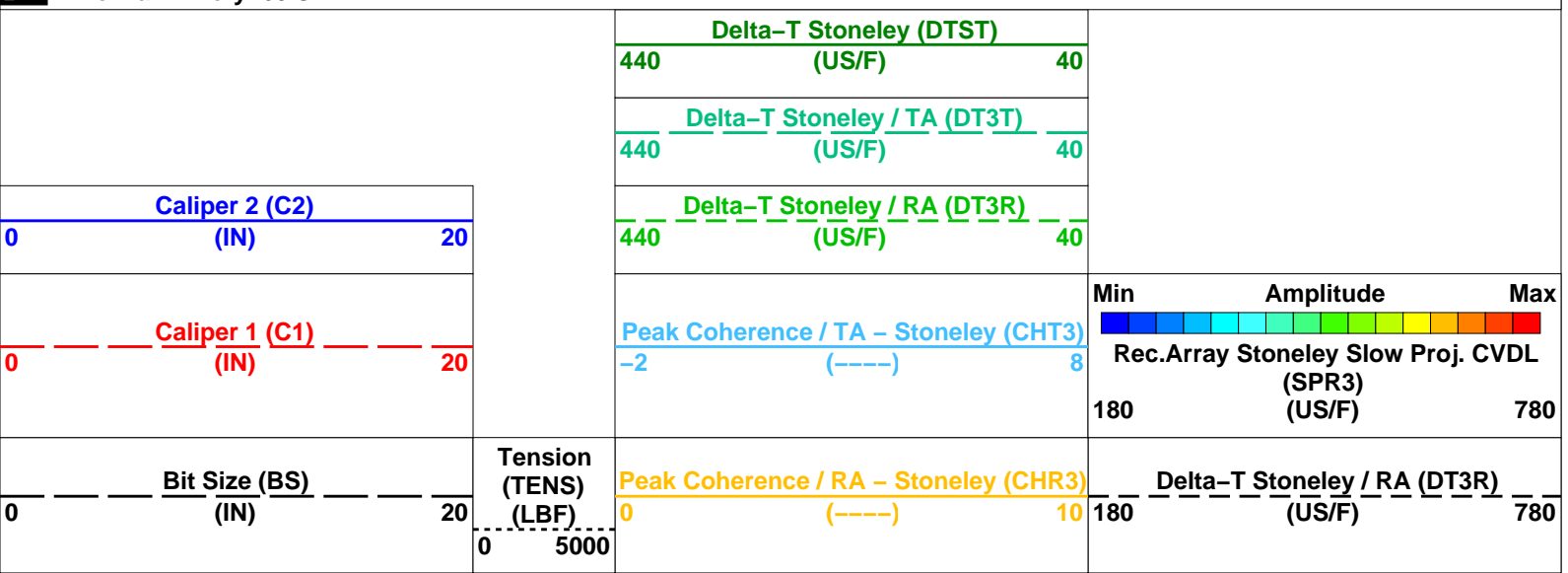
DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M

### OP System Version: 19C0-187

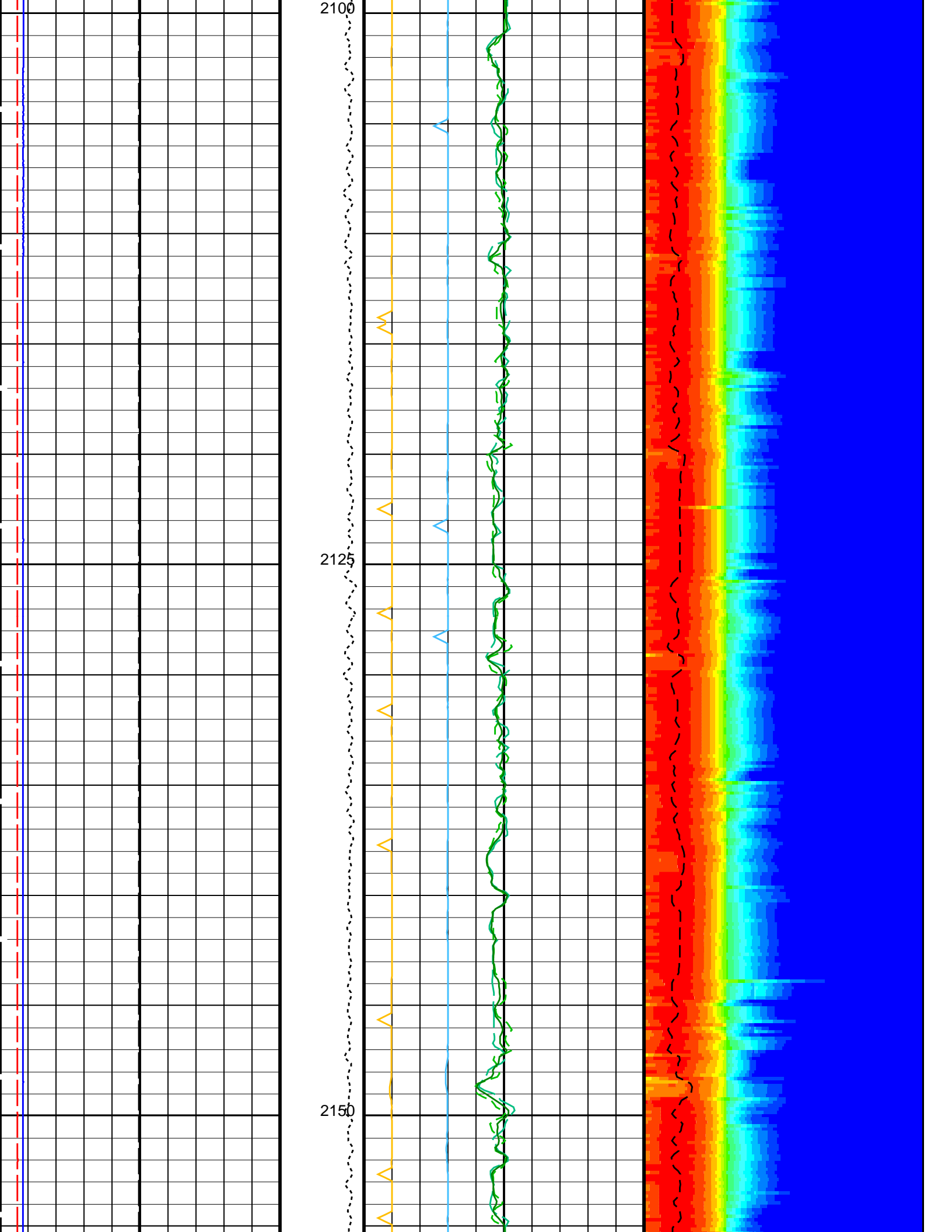
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

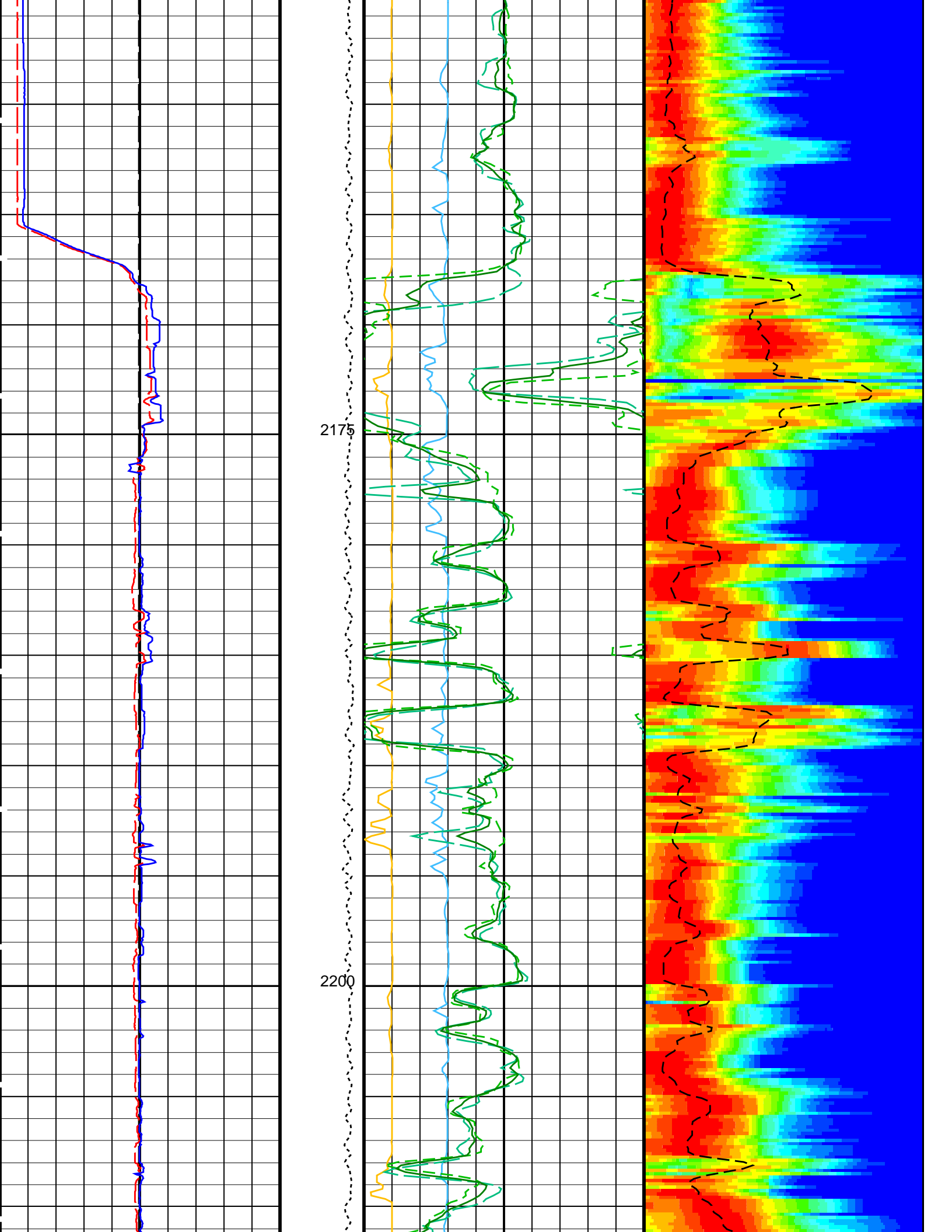
### PIP SUMMARY

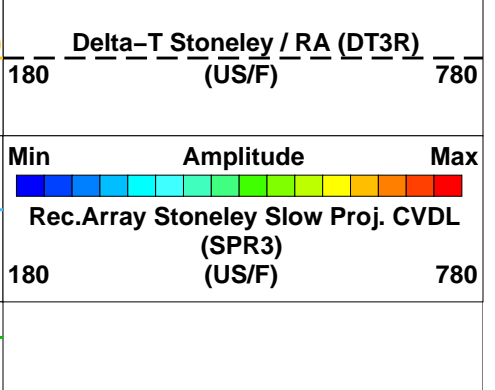
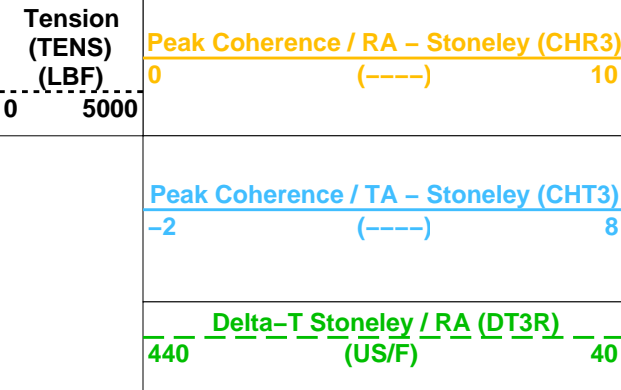
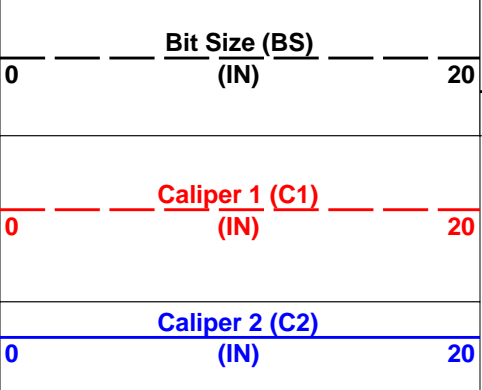
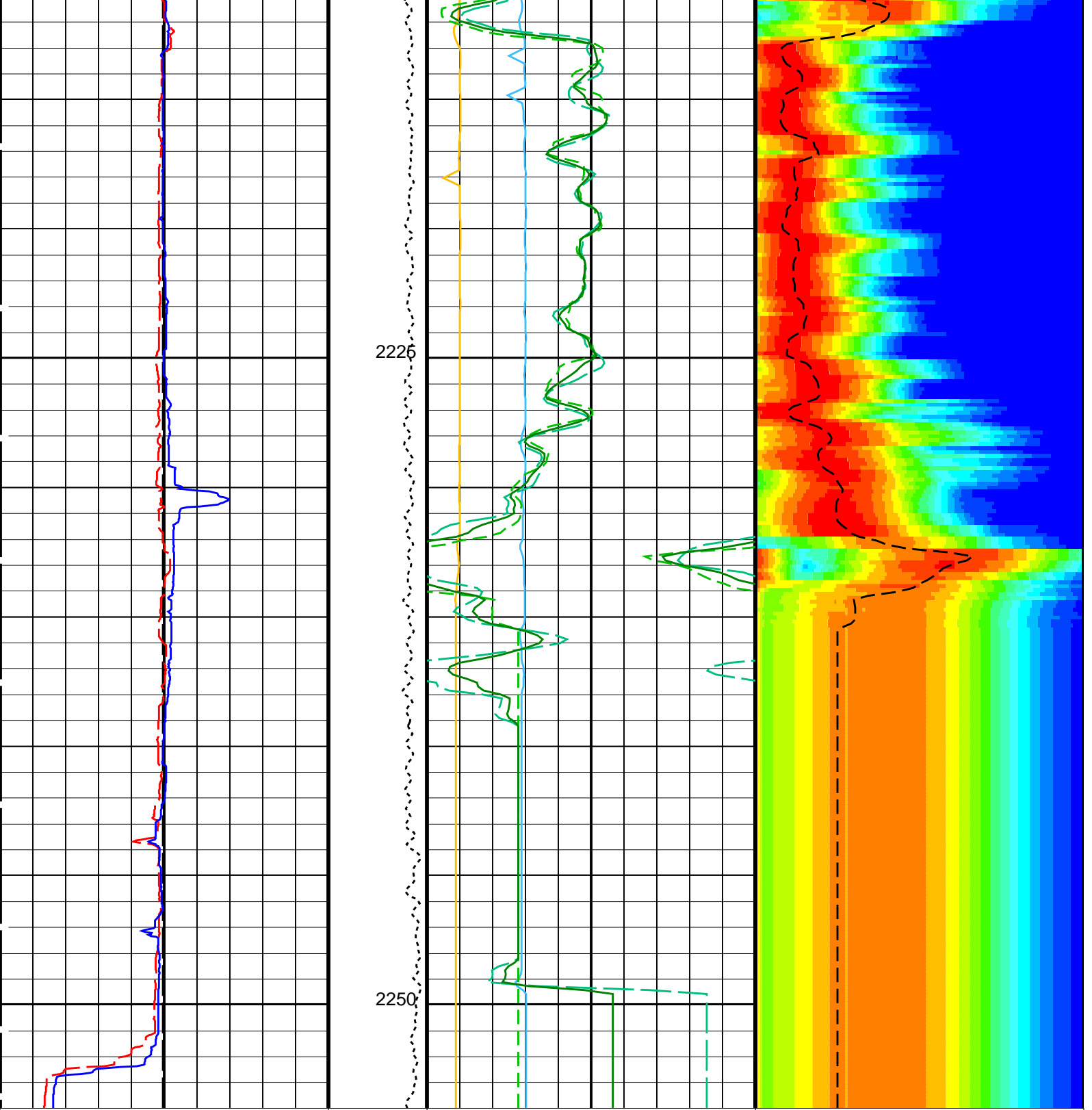
Time Mark Every 60 S











**PIP SUMMARY**

Time Mark Every 60 S

**Parameters**

DLIS Name	Description	Value	
<b>DSST-B: Dipole Shear Imager - B</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	
<b>System and Miscellaneous</b>			
BS	Bit Size	9.875	IN

Format: DSST\_STONELEY\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 20-Aug-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

**Output DLIS Files**

DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52

**Output DLIS Files**

DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M


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

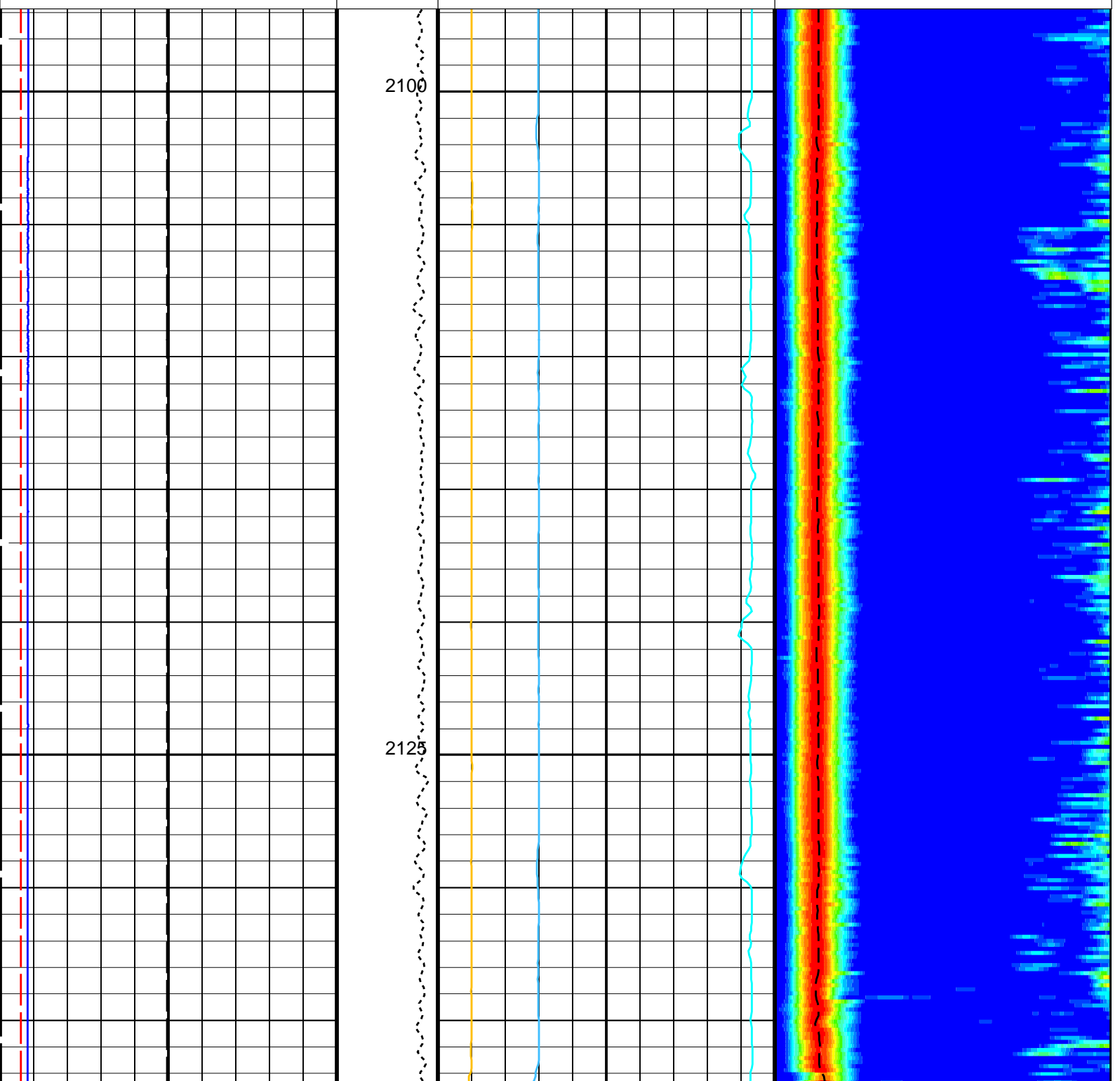
MEST-B 19C0-187  
DSST-B 19C0-187  
HNGS-BA 19C0-187

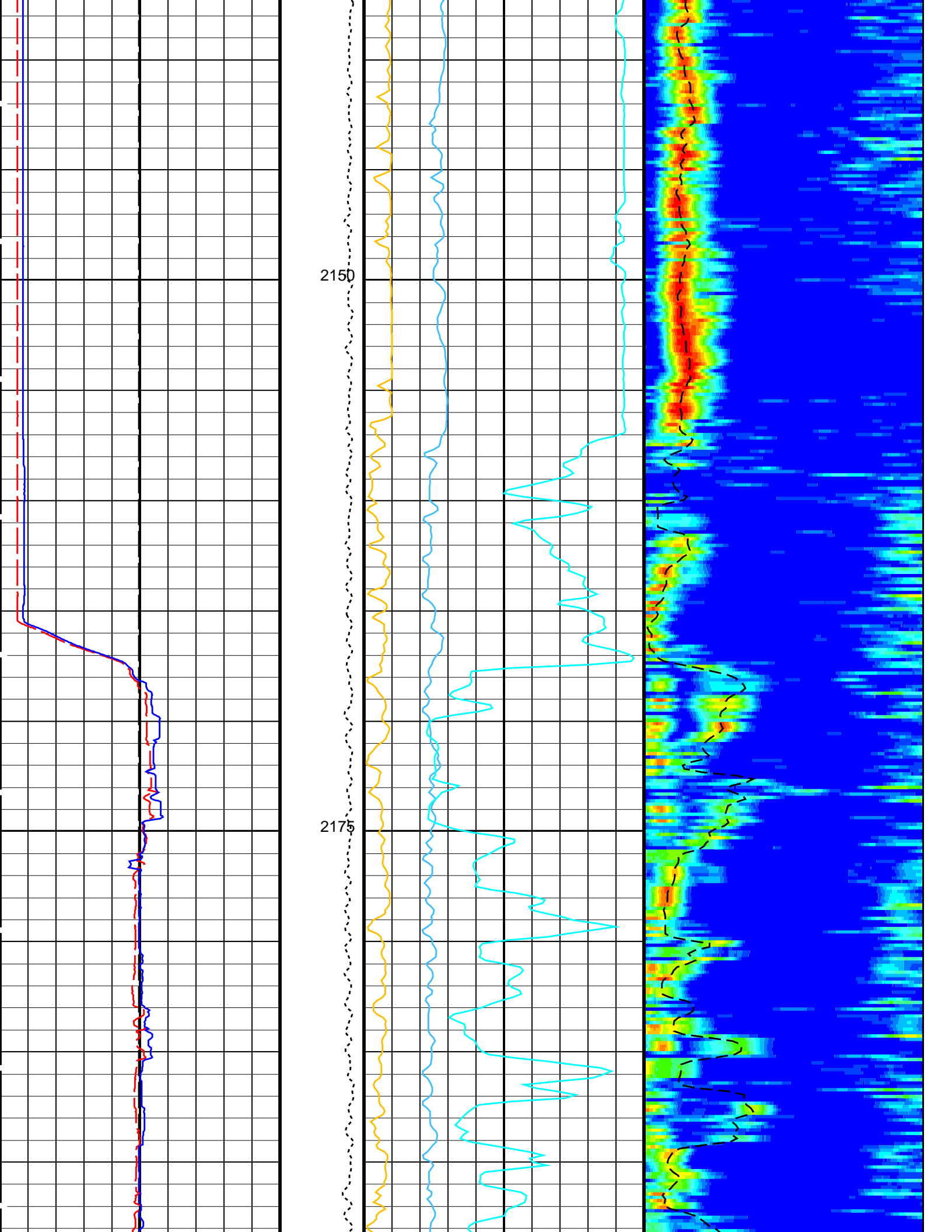
DTA-A 19C0-187  
HNGC-B 19C0-187  
DTC-H 19C0-187

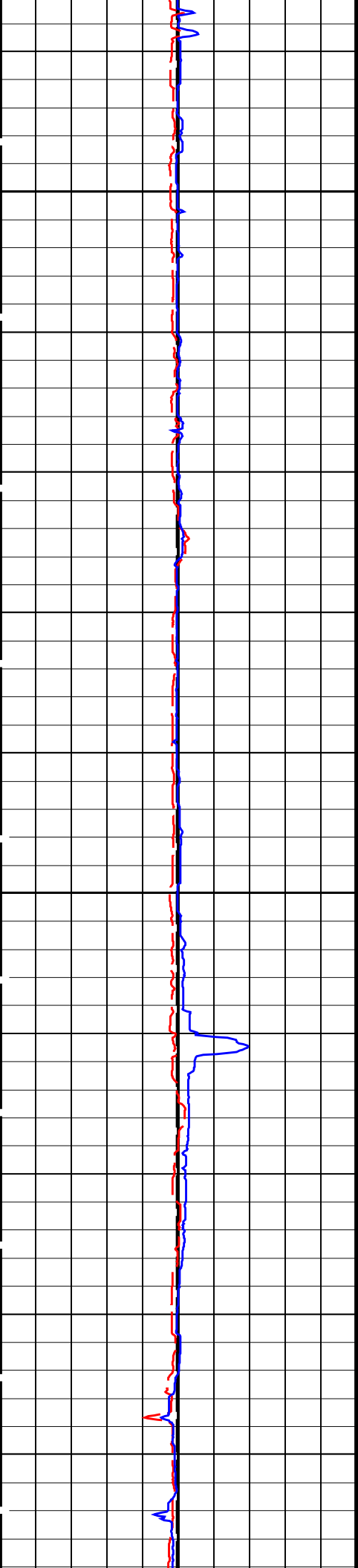
### PIP SUMMARY

Time Mark Every 60 S

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

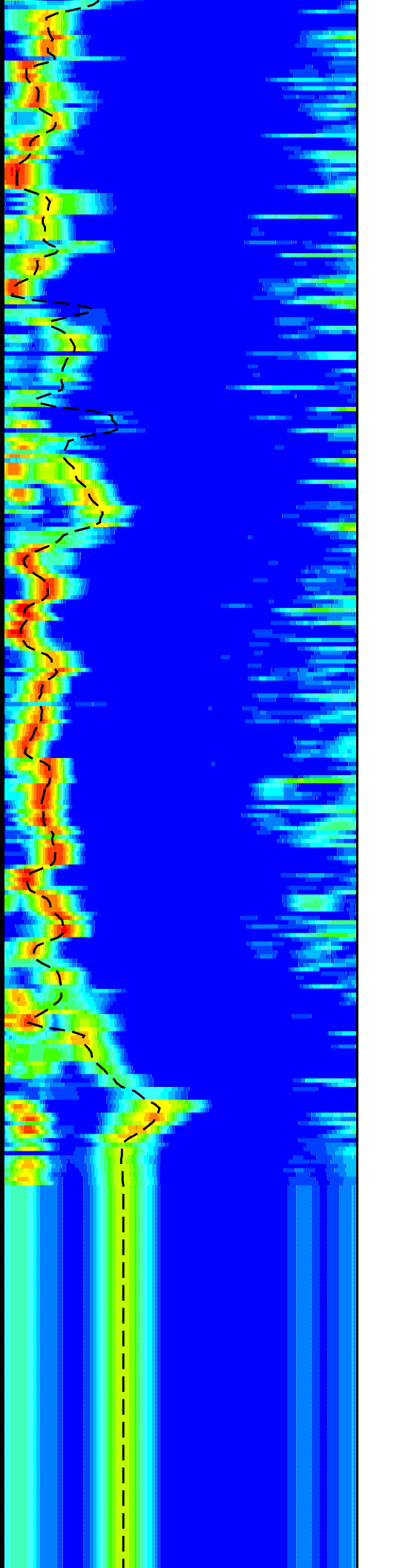
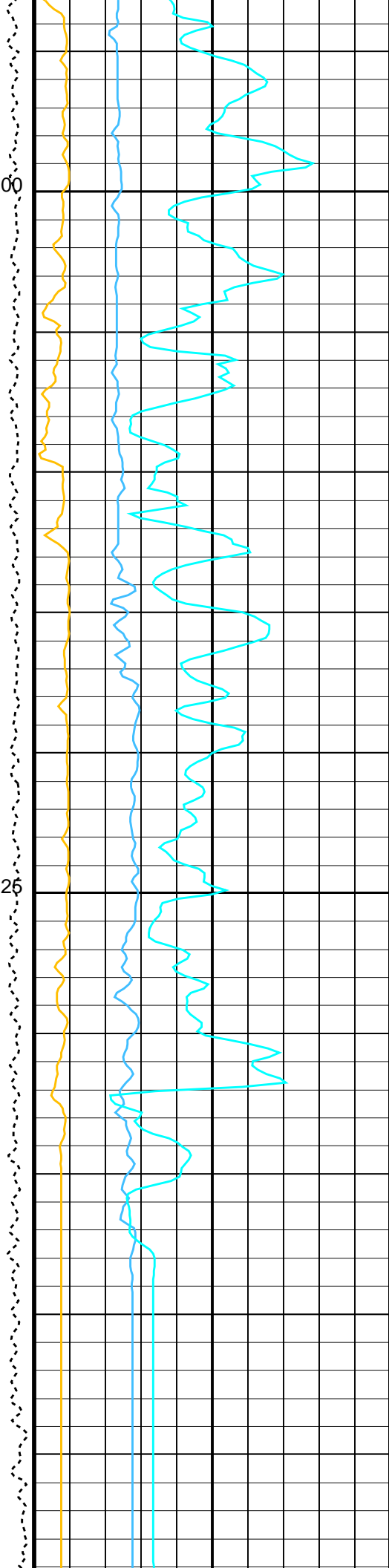


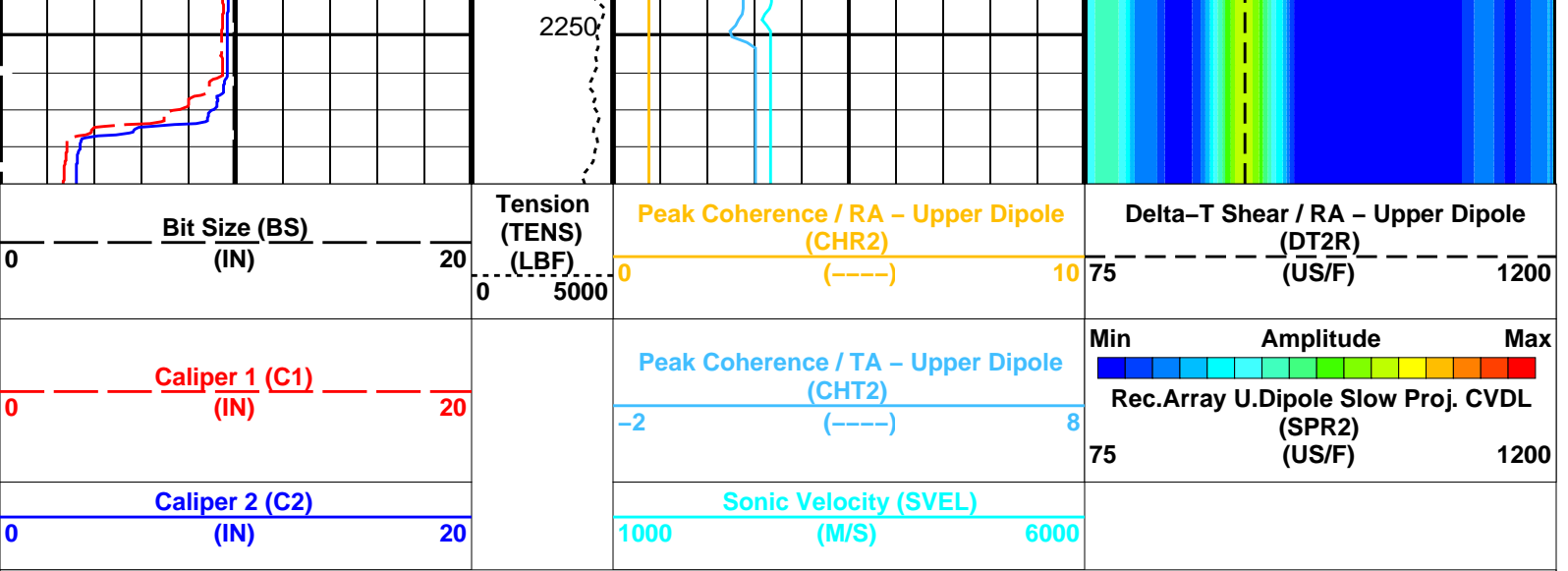




2200

2225





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	1400 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

Format: DSST\_UPPER\_DIPOLE\_VDL\_COLOR Vertical Scale: 1:200 Graphics File Created: 20-Aug-2021 18:52

OP System Version: 19C0-187

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



### Output DLIS Files

DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52

### Output DLIS Files


DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M

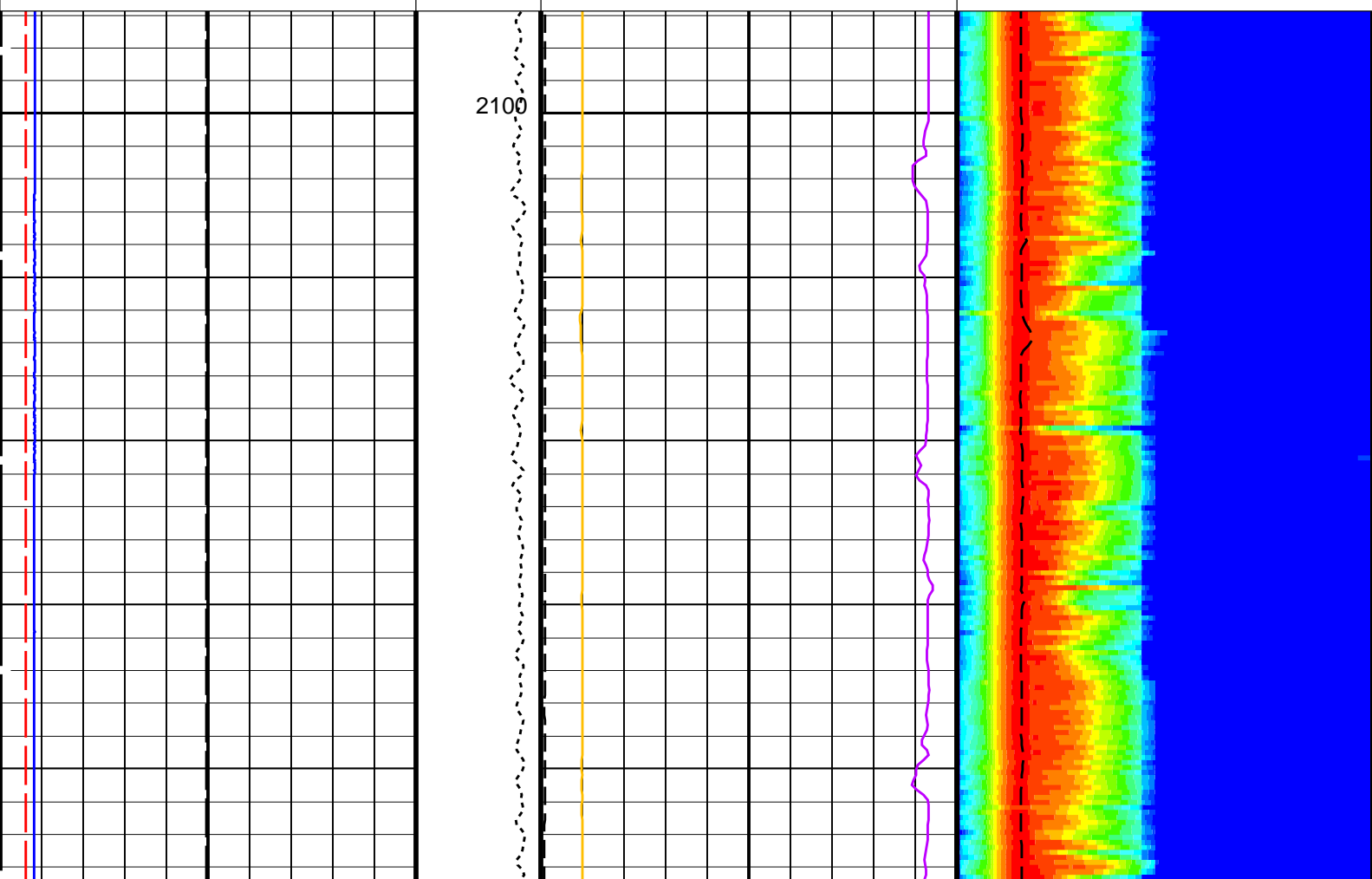
### OP System Version: 19C0-187

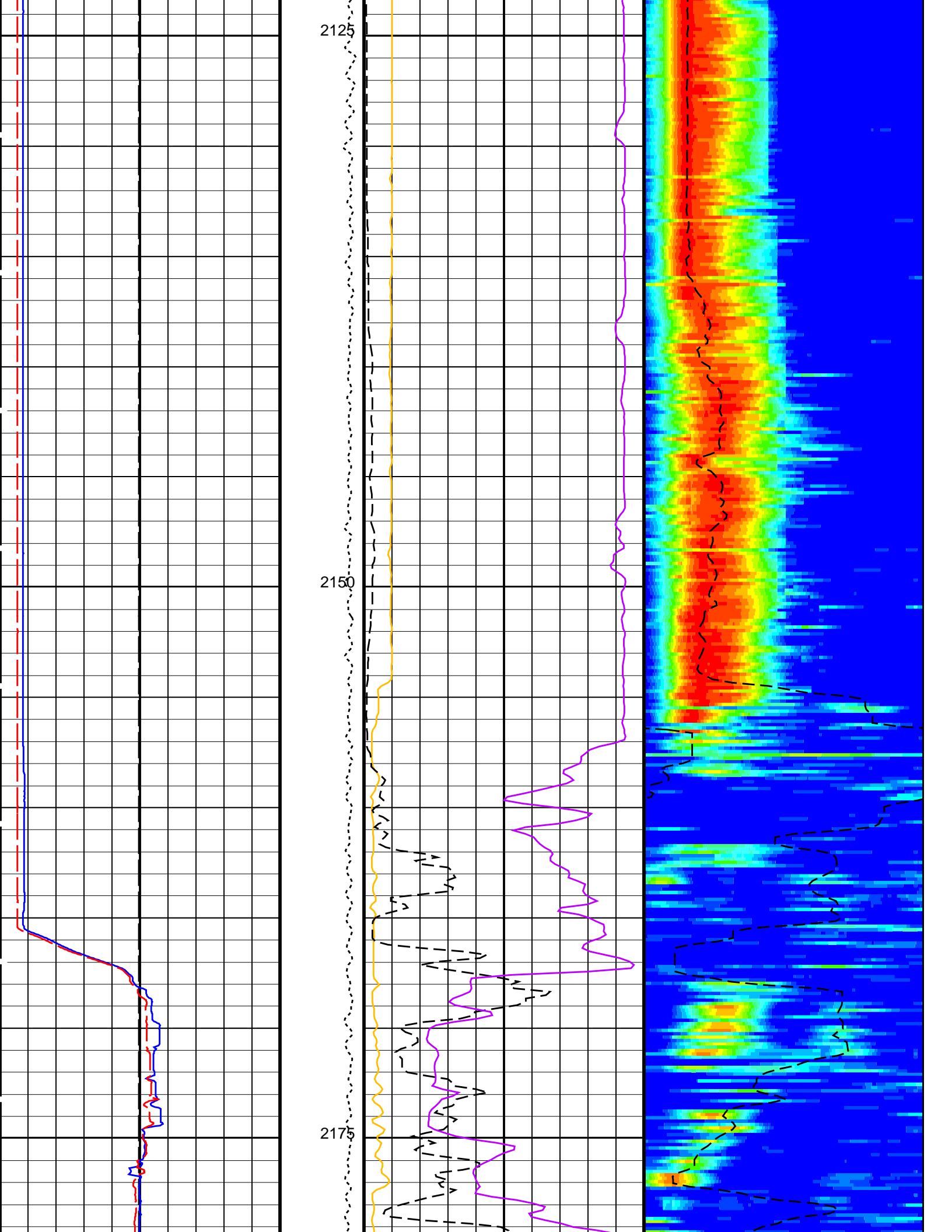
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	DTC-H	19C0-187

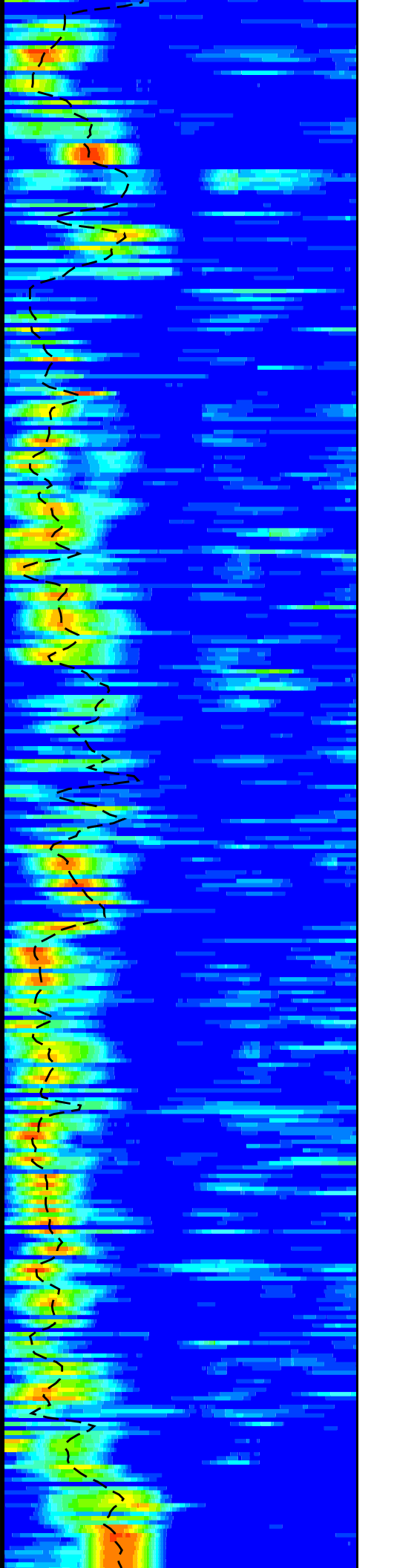
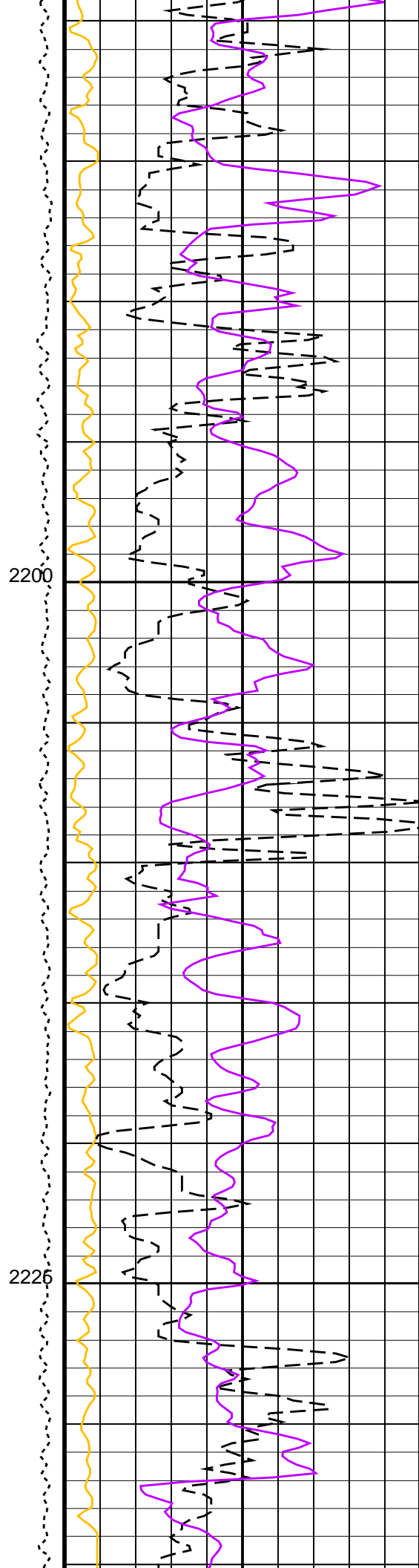
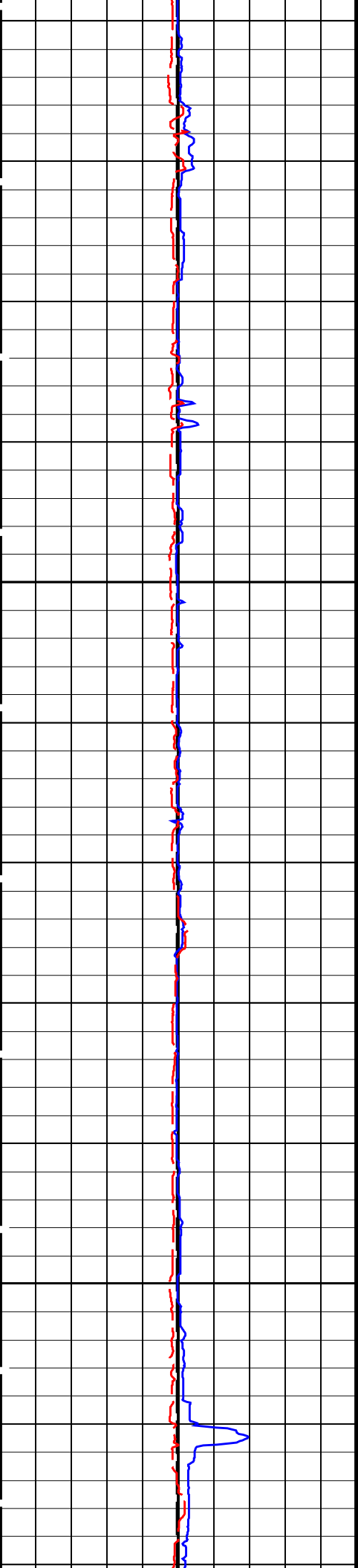
### PIP SUMMARY

Time Mark Every 60 S

<p><b>Caliper 1 (C1)</b> (IN)</p> <p>0 --- 20</p>	<p><b>Sonic Velocity (SVEL)</b> (M/S)</p> <p>1000 --- 6000</p>	<p>Min      Amplitude      Max</p>  <p>Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)      1200</p>
<p><b>Caliper 2 (C2)</b> (IN)</p> <p>0 --- 20</p>	<p><b>SAM1 Waveform Gain (WFG1)</b> (----)</p> <p>0 --- 1000</p>	
<p><b>Bit Size (BS)</b> (IN)</p> <p>0 --- 20</p>	<p><b>Tension (TENS) (LBF)</b></p> <p>0 --- 5000</p>	<p><b>Peak Coherence / RA - Lower Dipole (CHR1)</b> (----)</p> <p>0 --- 10</p>
		<p><b>Delta-T Shear / RA - Lower Dipole (DT1R)</b> (US/F)</p> <p>75 --- 1200</p>

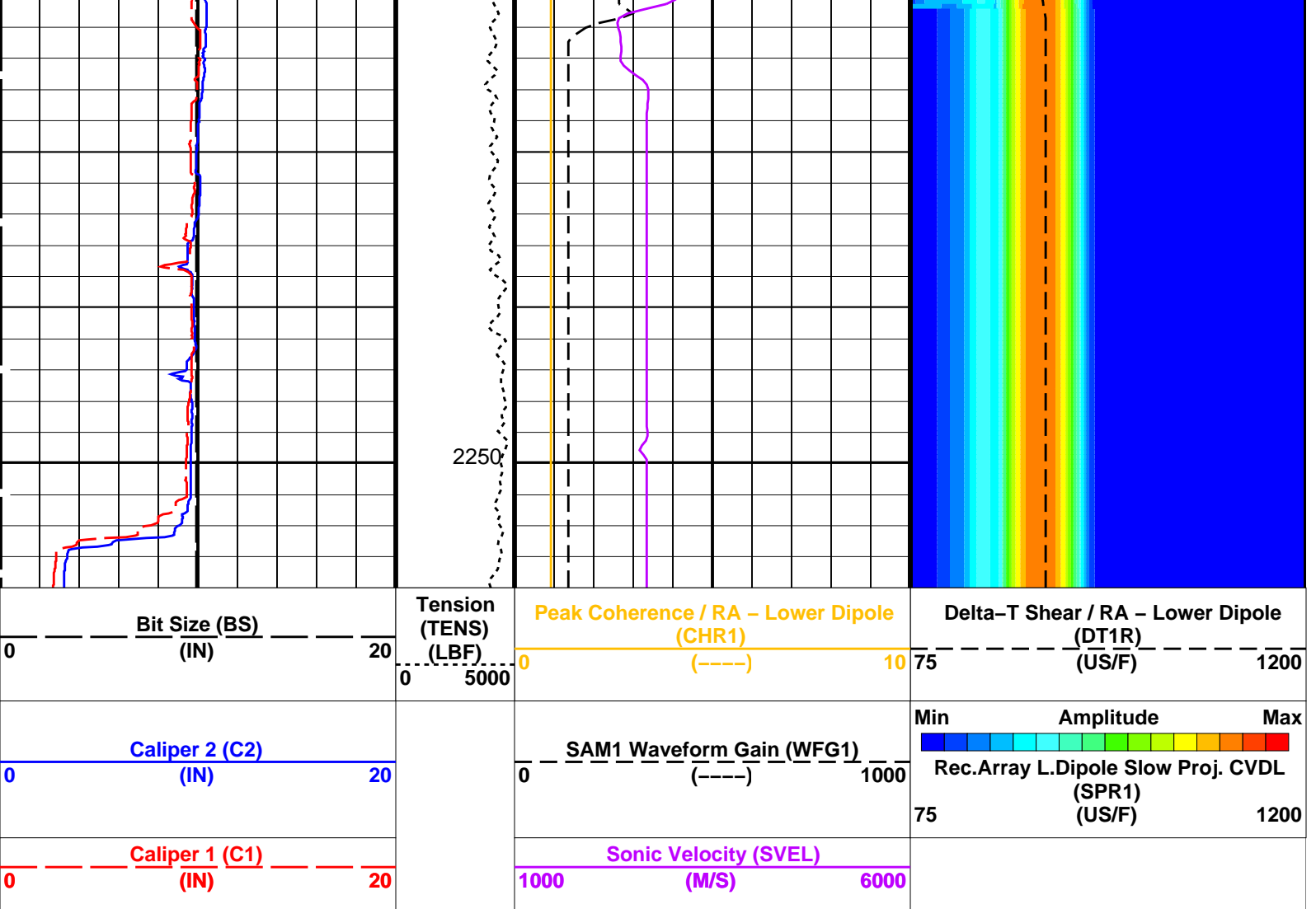






2200

2226



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	1400 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 Stop - Lower Dipole	4 US/F

SS11	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole		
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	
BS	System and Miscellaneous Bit Size	9.875	IN

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR Vertical Scale: 1:200 Graphics File Created: 20-Aug-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

### Output DLIS Files

DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52

Company: International Ocean Discovery Program Well: Expedition 396, Site U1566A

### Output DLIS Files

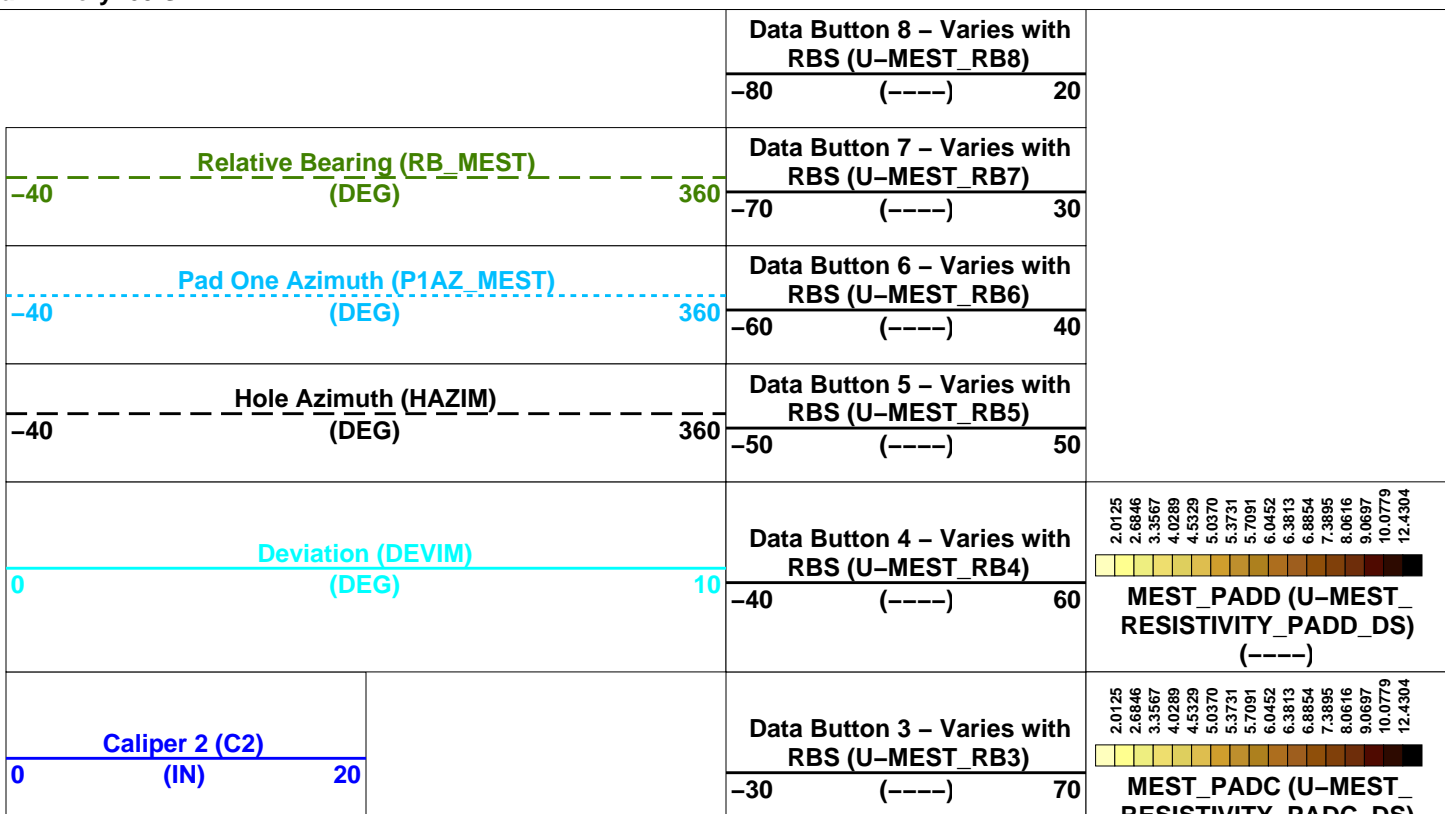
DEFAULT	FMS_DSI_NGS_031LUP	FN:30	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M
RTB	FMS_DSI_NGS_031LUP	FN:31	PRODUCER	20-Aug-2021 18:52	2254.0 M	2096.9 M

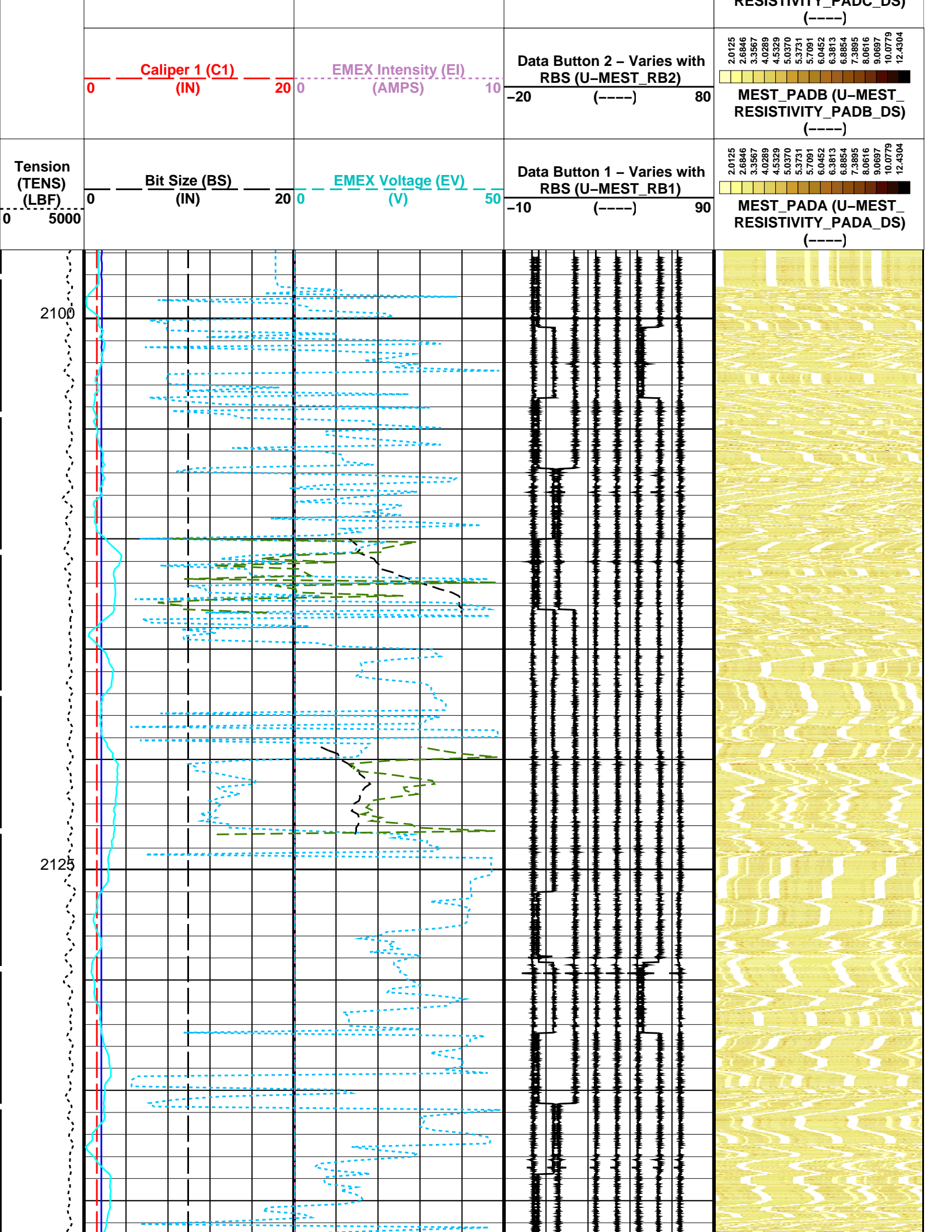
### OP System Version: 19C0-187

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

### PIP SUMMARY

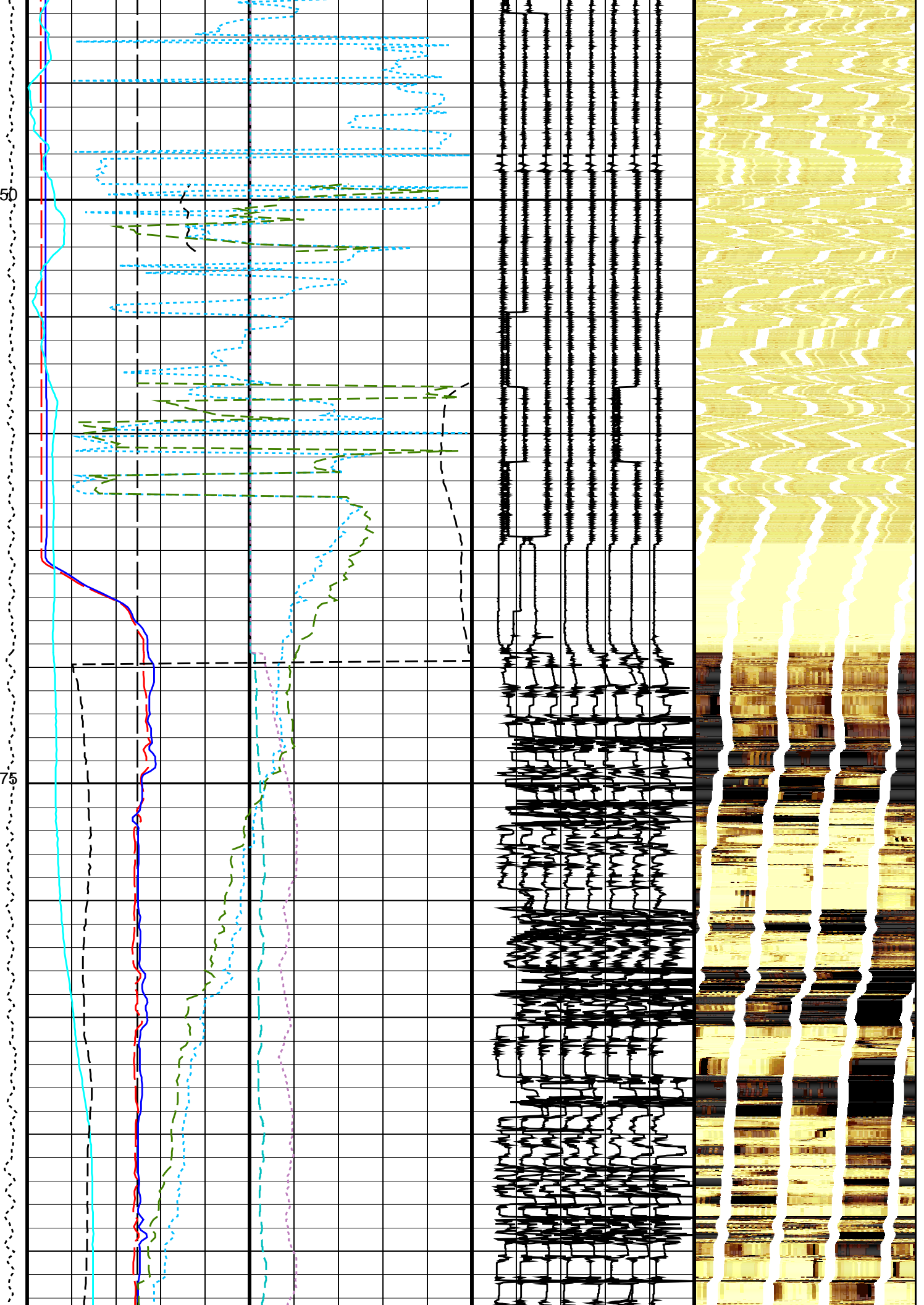
Time Mark Every 60 S





2150

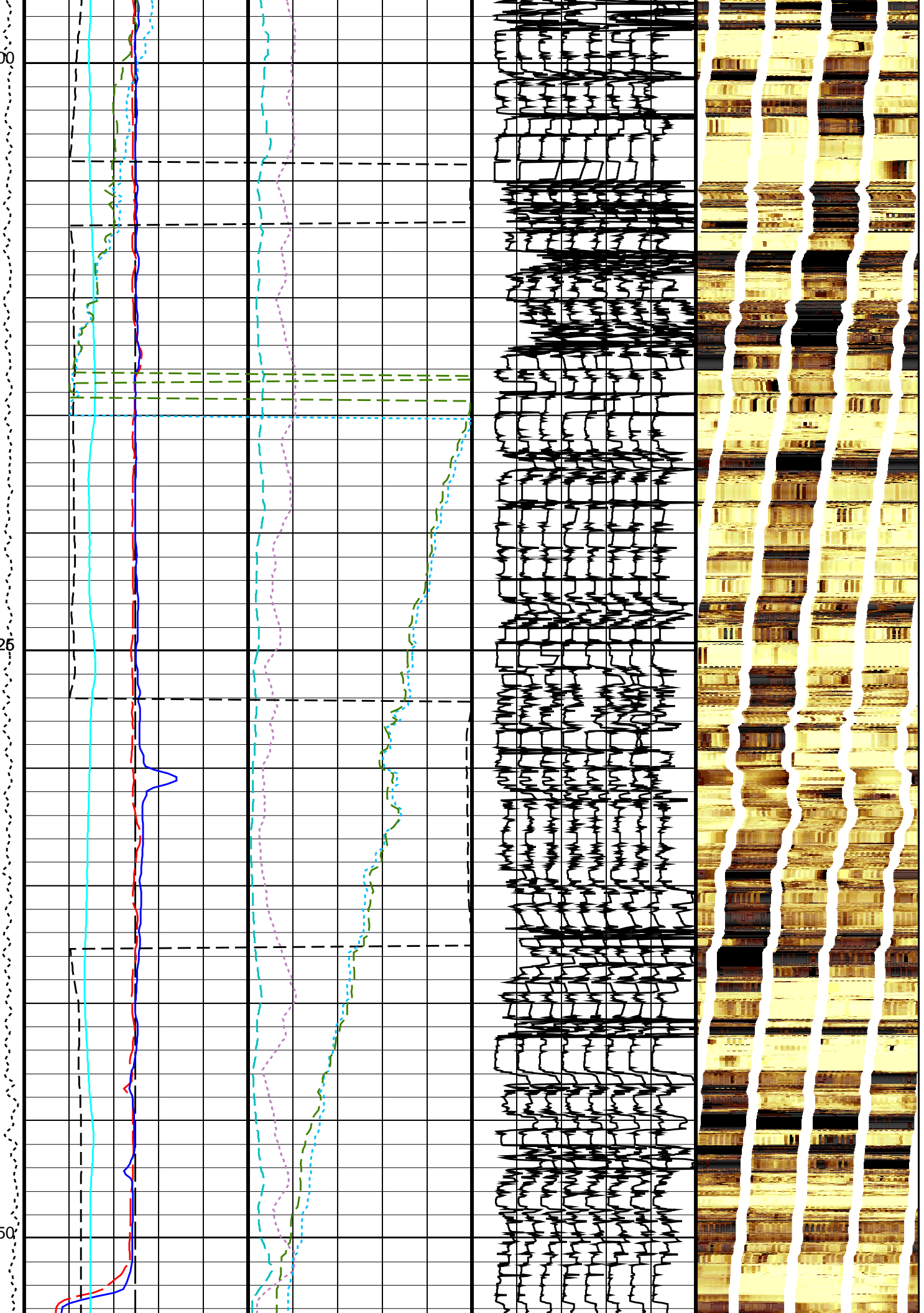
2175



2200

2225

2250





Tension (TENS) (LBF)	Bit Size (BS) (IN)	EMEX Voltage (EV) (V)	Data Button 1 – Varies with RBS (U-MEST_RB1)	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
	0 20	0 50	-10 (----) 90	MEST_PADA (U-MEST_RESISTIVITY_PADA_DS) (----)
	Caliper 1 (C1) (IN)	EMEX Intensity (EI) (AMPS)	Data Button 2 – Varies with RBS (U-MEST_RB2)	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
	0 20	0 10	-20 (----) 80	MEST_PADB (U-MEST_RESISTIVITY_PADB_DS) (----)
	Caliper 2 (C2) (IN)		Data Button 3 – Varies with RBS (U-MEST_RB3)	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
	0 20		-30 (----) 70	MEST_PADC (U-MEST_RESISTIVITY_PADC_DS) (----)
	Deviation (DEVIM) (DEG)		Data Button 4 – Varies with RBS (U-MEST_RB4)	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
	0 10		-40 (----) 60	MEST_PADD (U-MEST_RESISTIVITY_PADD_DS) (----)
	Hole Azimuth (HAZIM) (DEG)		Data Button 5 – Varies with RBS (U-MEST_RB5)	
	-40 360		-50 (----) 50	
	Pad One Azimuth (P1AZ_MEST) (DEG)		Data Button 6 – Varies with RBS (U-MEST_RB6)	
	-40 360		-60 (----) 40	
	Relative Bearing (RB_MEST) (DEG)		Data Button 7 – Varies with RBS (U-MEST_RB7)	
	-40 360		-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	0.852532 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
BS	System and Miscellaneous Bit Size	9.875 IN

Format: MEST\_C\_WRAP\_BY\_P1AZ Vertical Scale: 1:200

Graphics File Created: 20-Aug-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

Output DLIS Files

DEFAULT FMS\_DSI\_NGS\_031LUP FN:30 PRODUCER 20-Aug-2021 18:52



# 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: 20-Aug-2021 16:45							
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: 20-Aug-2021 16:45							
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: 20-Aug-2021 4:46 After: 20-Aug-2021 8:42							
Na 511 Peak Loc	40.00	39.25	39.60	39.74	0.1407	1.000	
Na 511 Peak Res	15.50	16.53	15.84	15.11	-0.7305	2.000	%
High Voltage	1150	1197	1177	1179	1.847	N/A	V
Na 1785 Peak Loc	142.6	141.8	142.7	142.9	0.2140	7.000	
Na 1785 Peak Res	8.500	8.905	8.955	8.354	-0.6012	2.000	%
Temperature	15.50	26.59	16.70	16.28	-0.4200	N/A	DEGC
Na Count Rate	45.00	12.01	10.52	10.31	-0.2124	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: Calibration out of date 2-May-2021 10:04 Before: 20-Aug-2021 4:46 After: 20-Aug-2021 8:42							
Na 511 Peak Loc	40.00	39.88	39.56	39.74	0.1846	1.000	
Na 511 Peak Res	15.50	15.29	16.20	15.07	-1.130	2.000	%
High Voltage	1150	1122	1104	1104	-0.2054	N/A	V
Na 1785 Peak Loc	142.6	142.6	142.8	141.7	-1.096	7.000	
Na 1785 Peak Res	8.500	8.040	8.953	9.597	0.6440	2.000	%
Temperature	15.50	27.21	17.38	17.80	0.4184	N/A	DEGC
Na Count Rate	45.00	12.32	10.17	10.10	-0.07357	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: 20-Aug-2021 4:46 After: 20-Aug-2021 8:42							
Coincidence Count Rate Ratio	1.000	0.9728	1.036	1.020	-0.01542	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
Before		39.60	Before		15.84	Before		1177
After		39.74	After		15.11	After		1179
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		141.8	Master		8.905	Master		26.59
Before		142.7	Before		8.955	Before		16.70
After		142.9	After		8.354	After		16.28
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		12.01						
Before		10.52						
After		10.31						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: Calibration out of date 2-May-2021 10:04			Before: 20-Aug-2021 4:46			After: 20-Aug-2021 8:42		

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 2 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.88	Master		15.29	Master		1122
Before		39.56	Before		16.20	Before		1104
After		39.74	After		15.07	After		1104
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.6	Master		8.040	Master		27.21
Before		142.8	Before		8.953	Before		17.38
After		141.7	After		9.597	After		17.80
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		12.01						
Before		10.52						
After		10.31						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Phase	Na Count Rate	CPS	Value
Master			12.32
Before			10.17
After			10.10
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)

Master: Calibration out of date 2-May-2021 10:04 Before: 20-Aug-2021 4:46 After: 20-Aug-2021 8:42

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9728
Before		1.036
After		1.020
	0.9500 (Minimum)	1.000 (Nominal)
		1.050 (Maximum)

Master: Calibration out of date 2-May-2021 10:04  
Before: 20-Aug-2021 4:46  
After: 20-Aug-2021 8:42

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
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Company: **International Ocean Discovery Program**



Well: **Expedition 396, Site U1566A**

Field: **Mid-Norwegian Cont. Margin Magmatism**

Rig: **JOIDES Resolution**

Country: **Iceland**

Dipole Shear Sonic Imager (DSI)  
Formation Microscanner (FMS)