



Company: Lamont Doherty Earth Observatory

Well: Expedition 352, Site U1442A

Field: IBM-3 Forearc

Rig: JOIDES Resolution Country:

DSI Dipole Sonic Imager
P & S

Rig: JOIDES Resolution
Field: IBM-3 Forearc
Location: Latitude: N 28.40964*
Well: Expedition 352, Site U1442A
Company: Lamont Doherty Earth Observatory

LOCATION

Latitude: N 28.40964* Elev.: K.B. -3173.00 m
Longitude: E 142.62228* G.L. 0.00 m
D.F. -3173.00 m

Permanent Datum: Sea Floor Elev.: -3173.00 m
Log Measured From: Drill Floor 3173.00 m above Perm. Datum
Drilling Measured From: Drill Floor

Ocean: Pacific Max. Well Deviation 0 deg Longitude E 142.62228 Latitude N 28.40964

Logging Date				23-Sep-2014			
Run Number				2			
Depth Driller				529.8 m			
Schlumberger Depth				284.5 m			
Bottom Log Interval				265 m			
Top Log Interval				79.3 m			
Casing Driller Size @ Depth				5.500 in @ 96.5 m		@	
Casing Schlumberger				96.5 m			
Bit Size				9.875 in			
Type Fluid In Hole				Sepiolite			
MUD	Density	Viscosity	1.03 g/cm3				
	Fluid Loss	PH					
	Source Of Sample		N/A				
RM @ Measured Temperature		@	@				
RMF @ Measured Temperature		@	@				
RMC @ Measured Temperature		@	@				
Source RMF	RMC	N/A	N/A				
RM @ MRT	RMF @ MRT	@ 7	@ 7	@	@		
Maximum Recorded Temperatures		7 degC					
Circulation Stopped		Time	23-Sep-2014	3:00			
Logger On Bottom		Time	23-Sep-2014	23:00			
Unit Number	Location	627314	Houston				
Recorded By		C. Furman					
Witnessed By		S. Morgan					

	Run 1	Run 2	R
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth		@	
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
MUD	Density	Viscosity	
	Fluid Loss	PH	
	Source Of Sample		
RM @ Measured Temperature		@	
RMF @ Measured Temperature		@	
RMC @ Measured Temperature		@	
Source RMF	RMC		
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped		Time	
Logger On Bottom		Time	
Unit Number	Location		
Recorded By			
Witnessed By			

DISCLAIMER

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OTHER SERVICES1
 OS1: HNGS
 OS2: HRLA/HLDS
 OS3: FMS
 OS4: MSS



REMARKS: RUN NUMBER 1

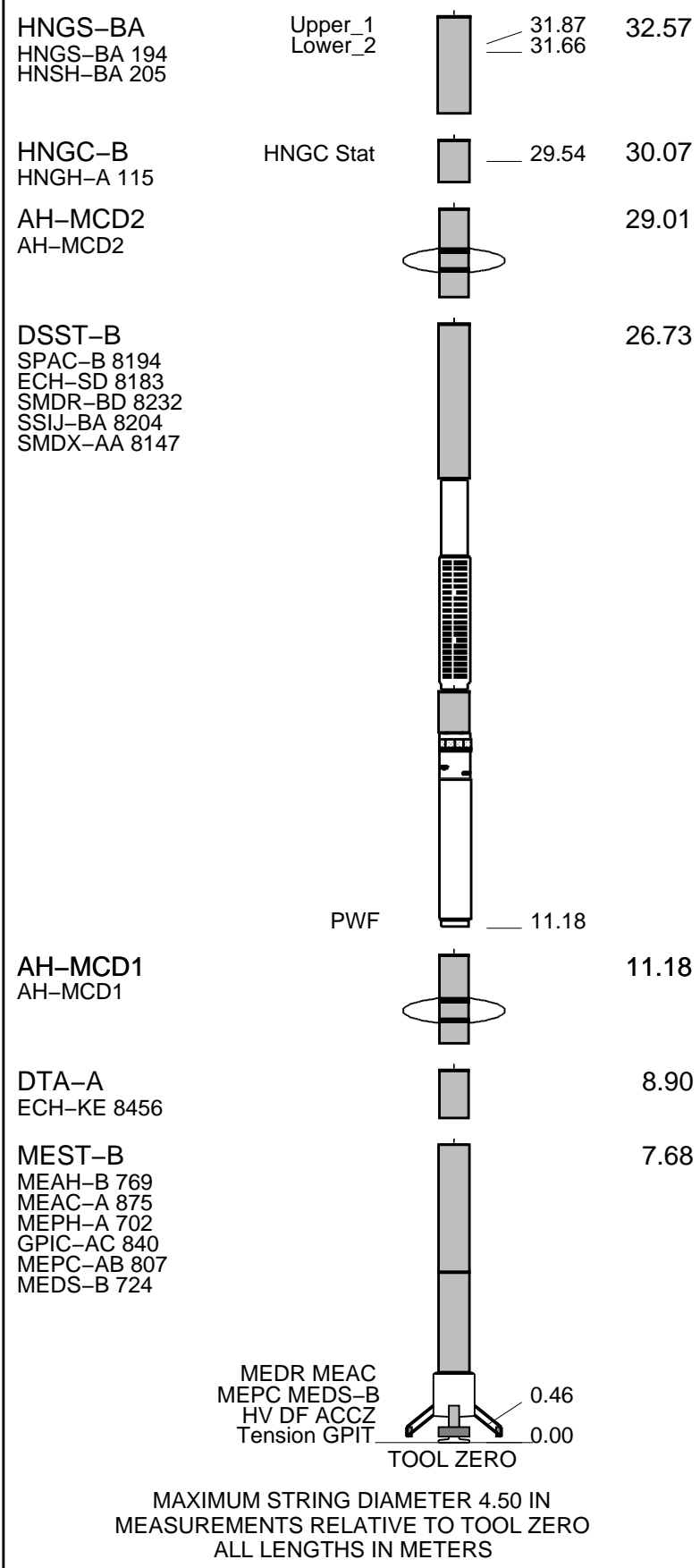
Hole drilled with RCB coring bit and bottom hole assembly (BHA). 9 7/8 " BS
 Free-Fall Funnel deployed for re-entry without casing.
 Bit placed at 96.5mbsf (driller's depth) prior to logging; logs tied into Run 1, Pass 2 bit depth due to low GR at sea bed.
 Hole was displaced to water-based mud prior to logging.
 Tools run as per tool sketch with entire string centralized using two modified MCD inline bowpring centralizers.
 Logs recorded in real-time with depth zero at drill floor; final depth adjusted to have zero at sea floor for core compatibilit
 Depth reference for this hole was the second pass of the first run; all other logs tied into that pass.
 Hole obstructed at a depth of 368.6mbsf; tools unable to pass below this depth; logs recorded from this depth up.
 FMS run with calipers open for upward passes and EMEX in automatic mode.
 DSI run with the following modes active for all passes:
 Upper Dipole in Low Frequency
 Lower Dipole in Standard Frequency
 P&S Monopole in Standard Frequency
 Stoneley (Monopole) in Standard Frequency
 Bit located at 96.5mbsf for downlog and first pass; raised to 79.3mbsf prior to second pass to maximize logged interval.
 FMS Caliper closed and EMEX deactivated at 122.8mbsf to facilitate pipe entry.

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
SURFACE EQUIPMENT GSR-U 616008 WITM (EDTS)-A	

RUN 1	RUN 2
DOWNHOLE EQUIPMENT	
LEH-QT LEH-QT 301 EDTC-B EDTH-B 8303 EDTC-B 8317 EDTG-A/B 8305	MDSB_EDTC Mud Tempe CTEM Gamma Ray EFTB DIAG TelStatus EDTCB Ele
 34.55 33.49 32.92	35.44 34.55
 32.57	



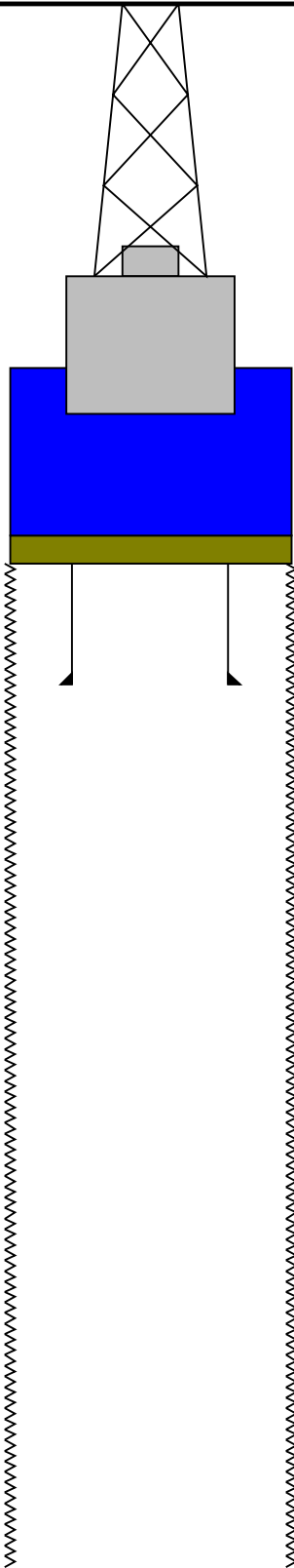
Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

-3173.0
-3173.0

-3162.2



0.0

96.5

529.8

5.500

4.000

9.875

Sea Bed

Bit

Total Depth - Driller

Schlumberger

Downlog

MAXIS Field Log

Company: Lamont Doherty Earth Observatory

Well: Expedition 352, Site U1442A

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_048LUP	PRODUCER	26-Sep-2014 12:42	3472.5 M	3118.1 M
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Output DLIS Files


DEFAULT	FMS_DSI_NGS_049PUP	FN:66	PRODUCER	26-Sep-2014 12:45	299.5 M	-18.1 M
CLIENT	FMS_DSI_NGS_049PUC	FN:67	CUSTOMER	26-Sep-2014 12:45	299.5 M	-18.1 M

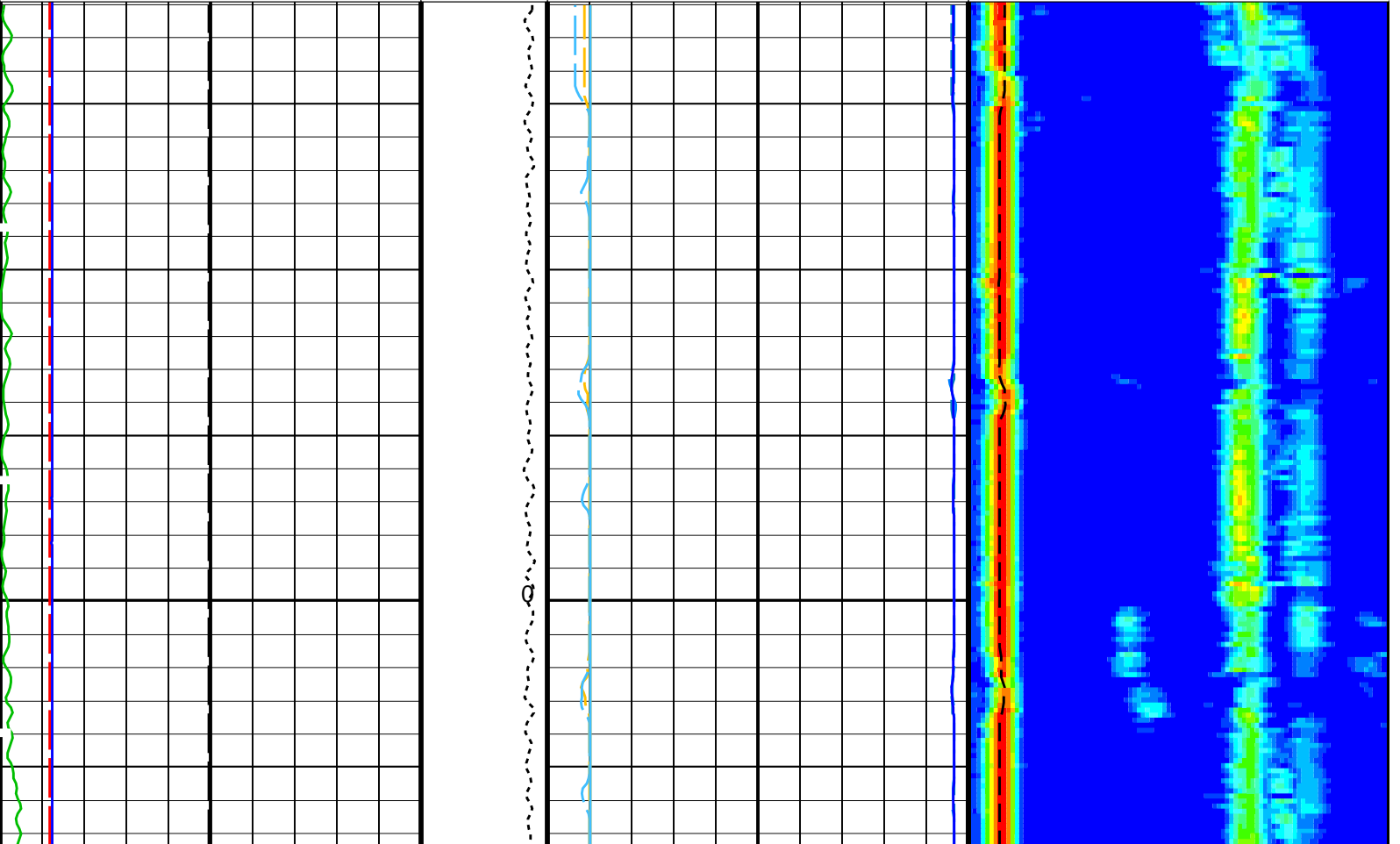
OP System Version: 19C0-187

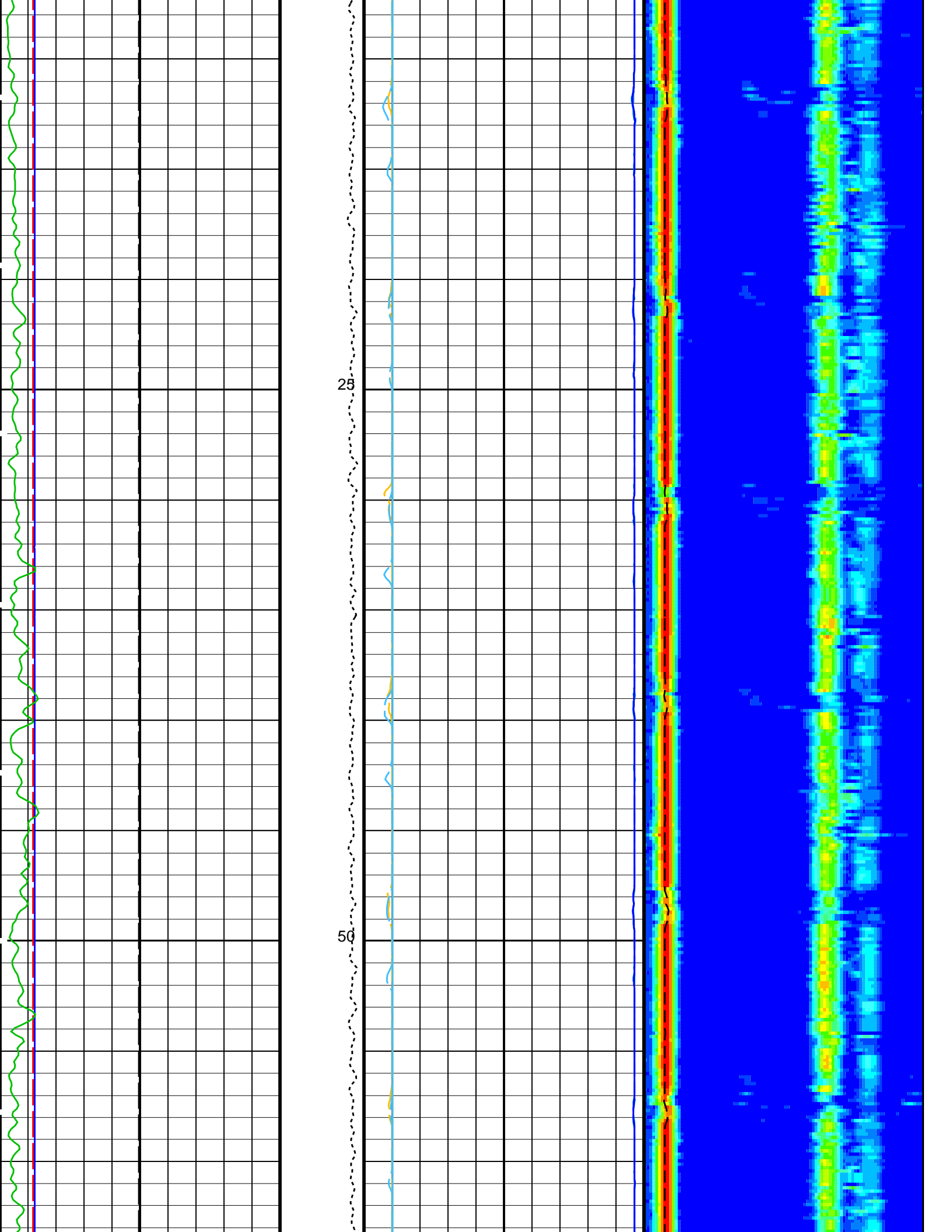
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

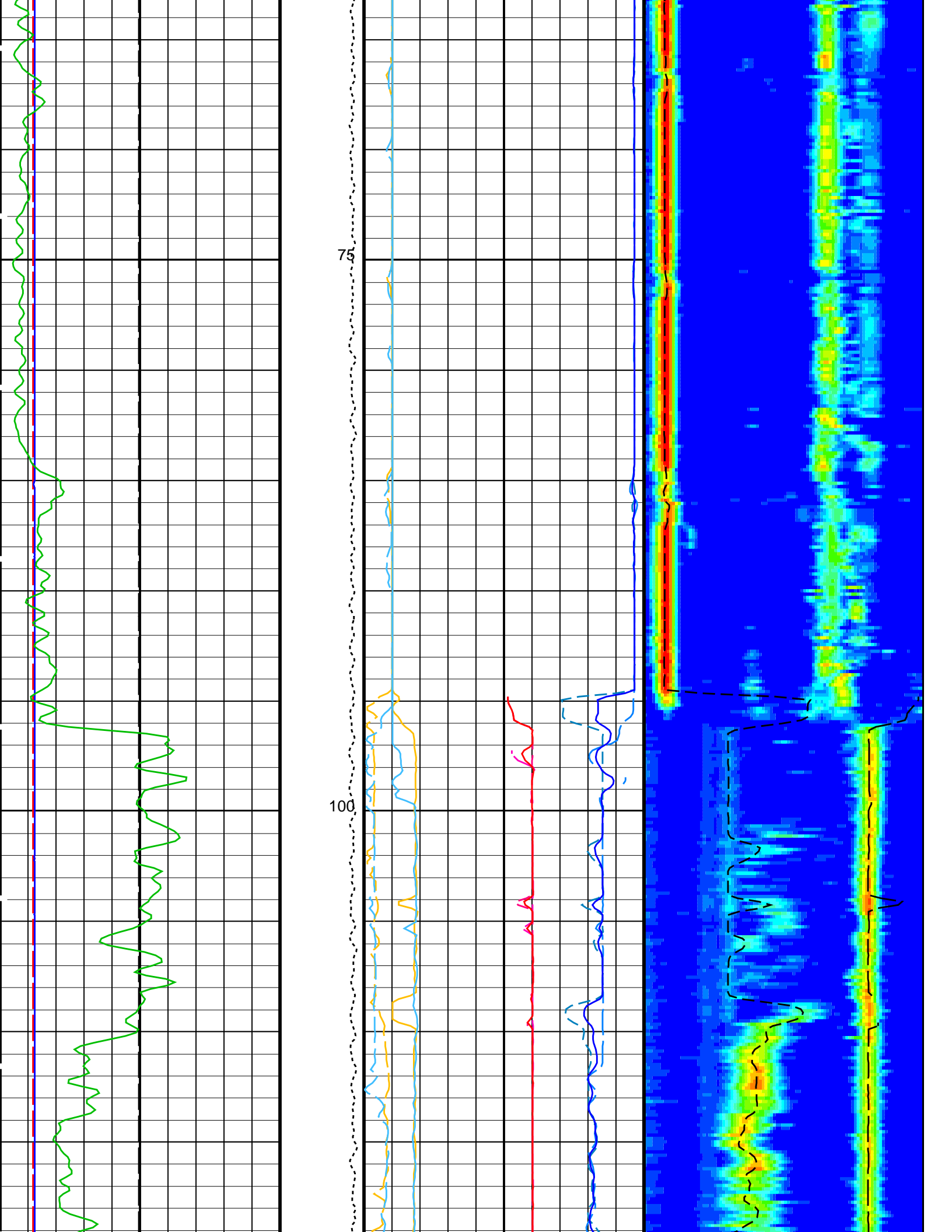
PIP SUMMARY

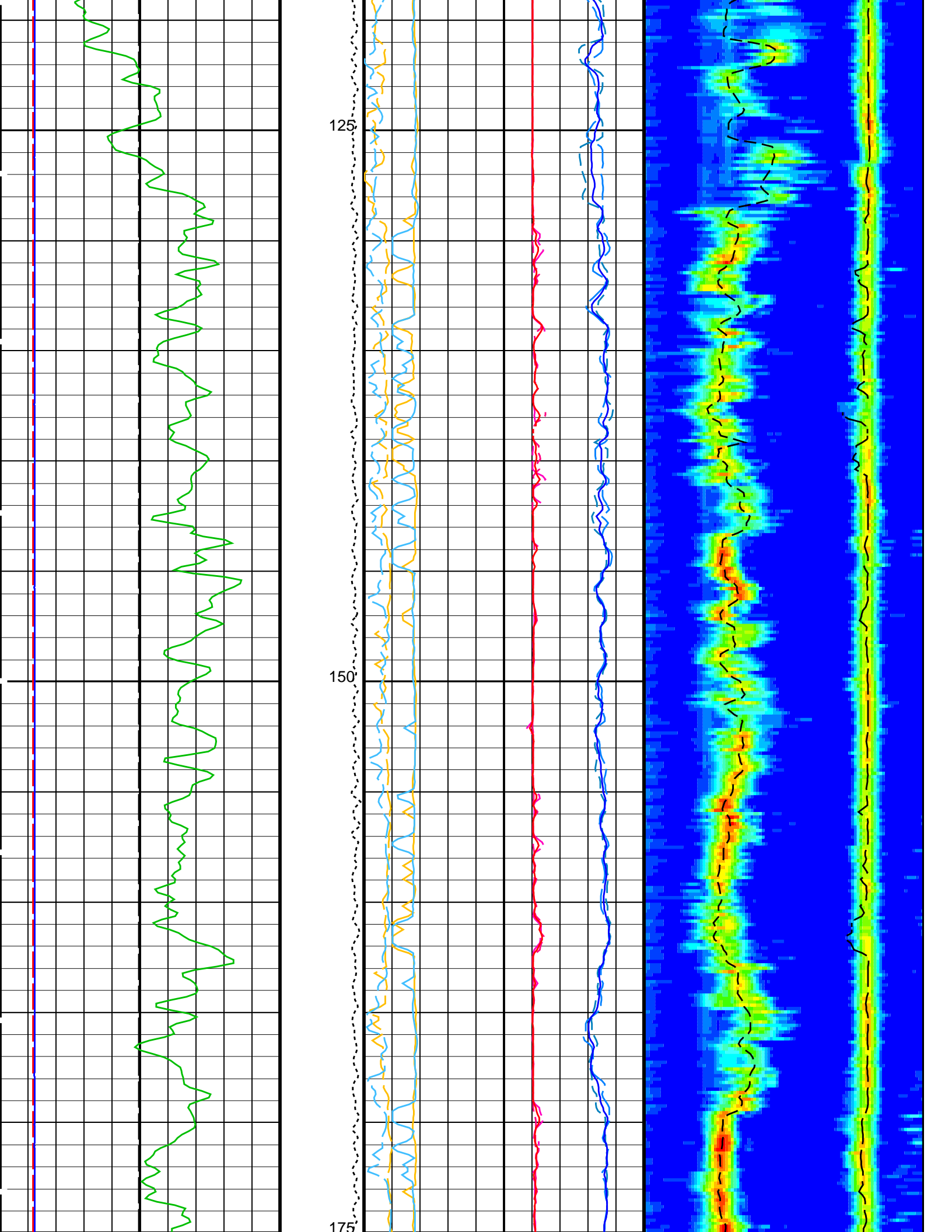
Time Mark Every 60 S

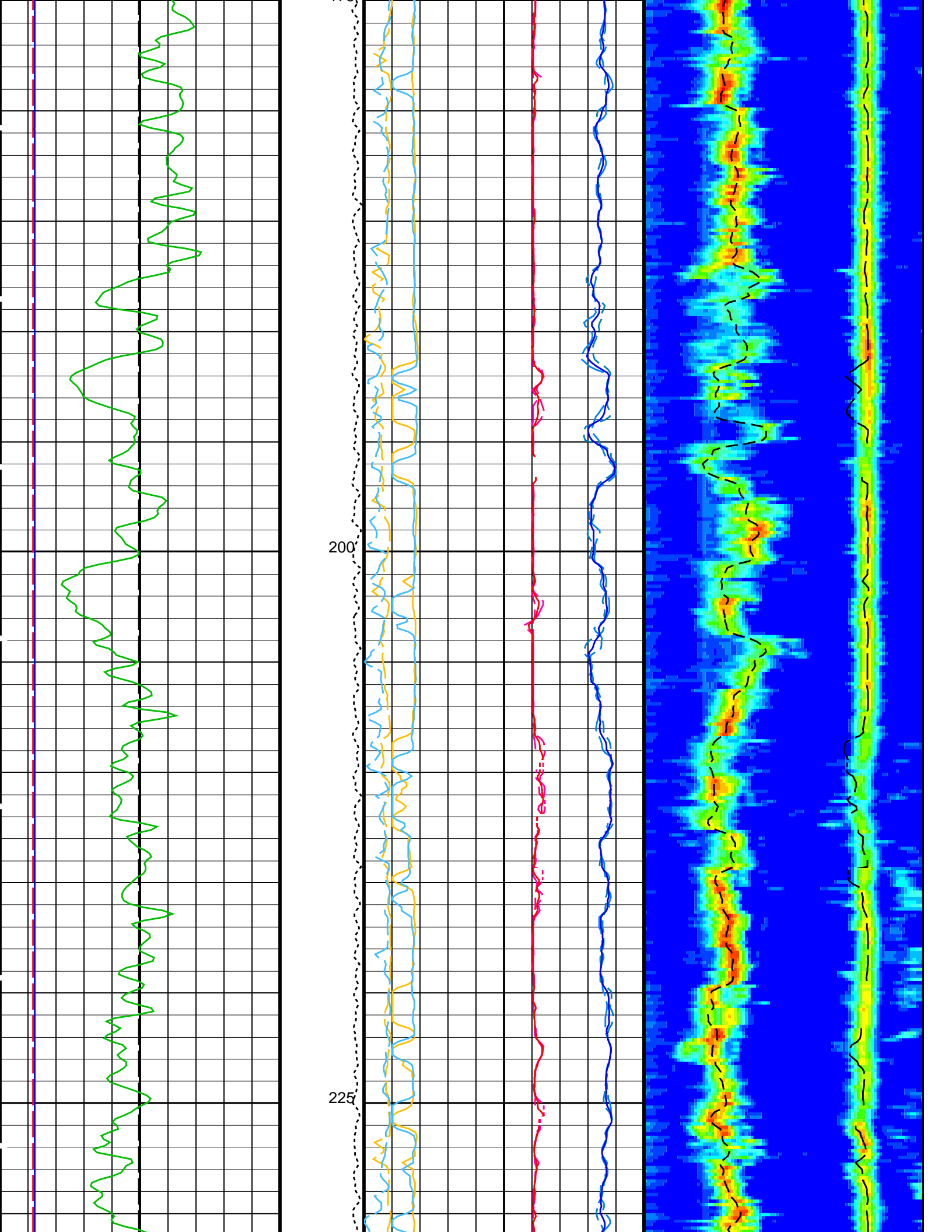
		Delta-T Shear - P & S (DT4S) 440 (US/F) 40	
		Delta-T Shear / TA - P & S (DTTS) 440 (US/F) 40	
		Delta-T Shear / RA - P & S (DTRS) 440 (US/F) 40	
		Delta-T Comp - P & S (DT4P) 440 (US/F) 40	
		Delta-T Comp / TA - P & S (DTTP) 440 (US/F) 40	
		Delta-T Comp / RA - P & S (DTRP) 440 (US/F) 40	
Gamma Ray (GR_EDTC) (GAPI)	0 40	Peak Coherence / TA - P & S Shear (CHTS) -1 (----) 9	
Caliper 2 (C2) (IN)	0 20	Peak Coherence / RA - P & S Shear (CHRS) -1 (----) 9	Min  Max Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240
Caliper 1 (C1) (IN)	0 20	Peak Coherence / TA - P & S Comp (CHTP) 0 (----) 10	Delta-T Shear / RA - P & S (DTRS) 40 (US/F) 240
Bit Size (BS) (IN)	0 20	Peak Coherence / RA - P & S Comp (CHRP) 0 (----) 10	Delta-T Comp / RA - P & S (DTRP) 40 (US/F) 240
	Tension (TENS) (LBF)	0 5000	

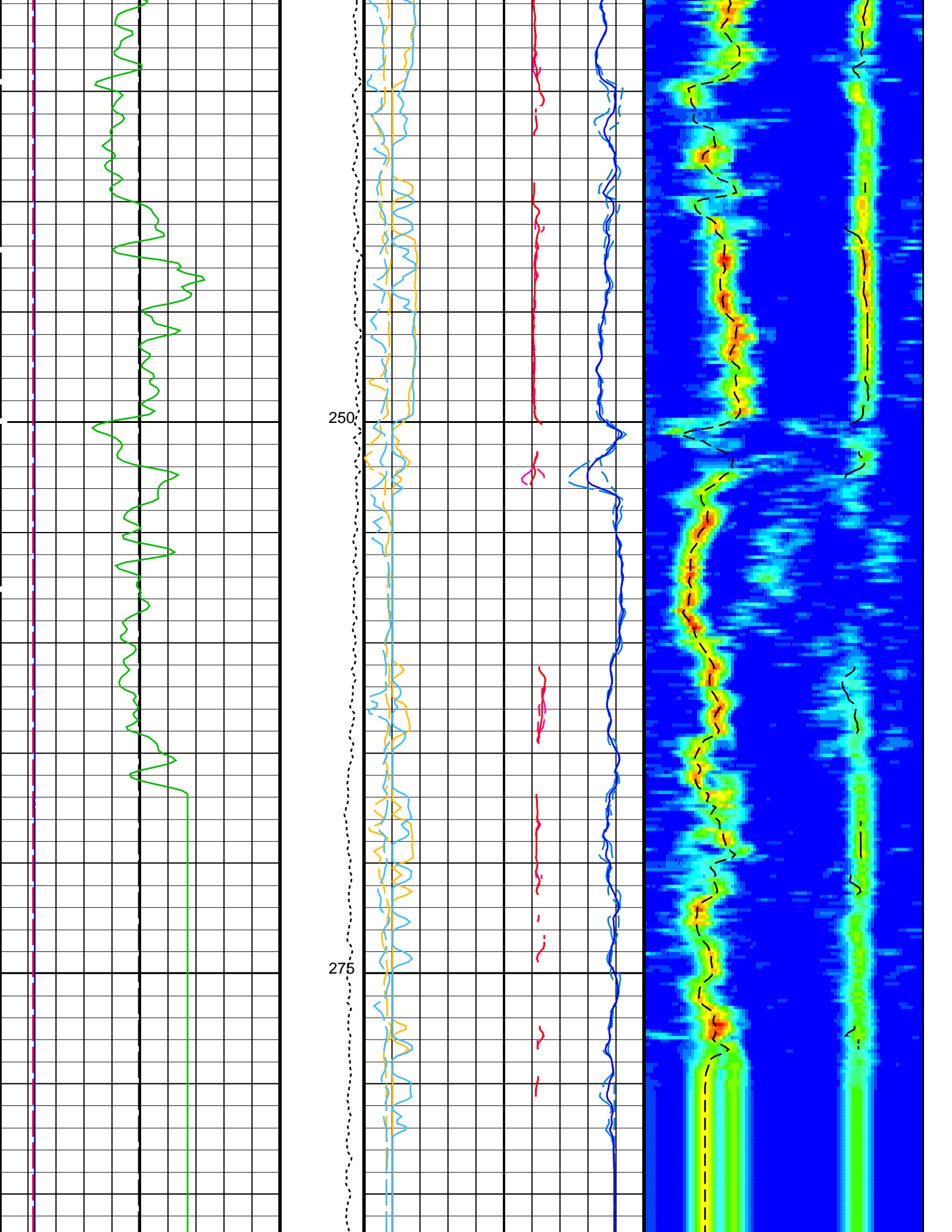


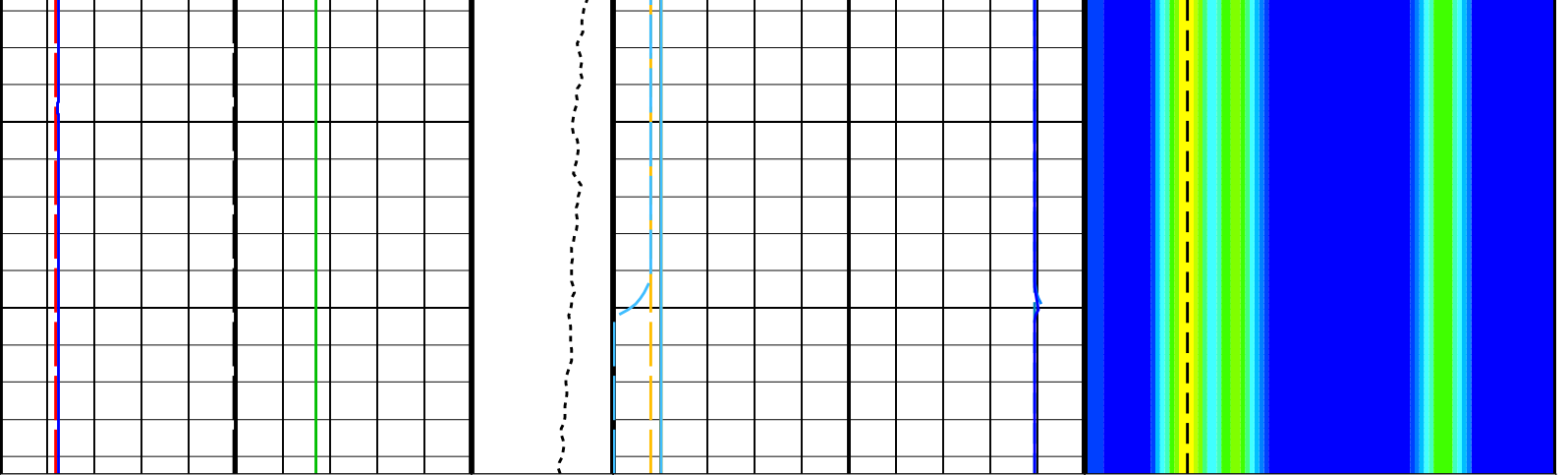












0	Bit Size (BS) (IN)	20	0	Tension (TENS) (LBF)	5000	0	Peak Coherence / RA - P & S Comp (CHRP)	10	40	Delta-T Comp / RA - P & S (DTRP)	240
0	Caliper 1 (C1) (IN)	20	0			0	Peak Coherence / TA - P & S Comp (CHTP)	10	40	Delta-T Shear / RA - P & S (DTRS)	240
0	Caliper 2 (C2) (IN)	20	-1			-1	Peak Coherence / RA - P & S Shear (CHRS)	9	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240		
0	Gamma Ray (GR_EDTC) (GAPI)	40	-1			-1	Peak Coherence / TA - P & S Shear (CHTS)	9			
			440			440	Delta-T Comp / RA - P & S (DTRP)	40			
			440			440	Delta-T Comp / TA - P & S (DTTP)	40			
			440			440	Delta-T Comp - P & S (DT4P)	40			
			440			440	Delta-T Shear / RA - P & S (DTRS)	40			
			440			440	Delta-T Shear / TA - P & S (DTTS)	40			
			440			440	Delta-T Shear - P & S (DT4S)	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	180 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	210 US/F
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control - Monopole P&S	COMP
LFC	Label Formation Character - Monopole P&S	COMP_FIRST
MCS	Mean Casing Slowness	57 US/F

MTXG	Mean Casing Slowness	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	181	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	1200	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	
BHS	EDTC-B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	-3173.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Sep-2014 12:45

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	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_048LUP	PRODUCER	26-Sep-2014 12:42	3472.5 M	3118.1 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_049PUP	FN:66	PRODUCER	26-Sep-2014 12:45
CLIENT	FMS_DSI_NGS_049PUC	FN:67	CUSTOMER	26-Sep-2014 12:45

Schlumberger

First Pass

Input DLIS Files

DEFAULT FMS_DSI_NGS_015LUP FN:19 PRODUCER 23-Sep-2014 13:16 3458.7 M 3309.8 M

Output DLIS Files


DEFAULT FMS_DSI_NGS_053PUP FN:74 PRODUCER 26-Sep-2014 13:00 288.0 M 138.4 M
 CLIENT FMS_DSI_NGS_053PUC FN:75 CUSTOMER 26-Sep-2014 13:00 288.0 M 138.4 M

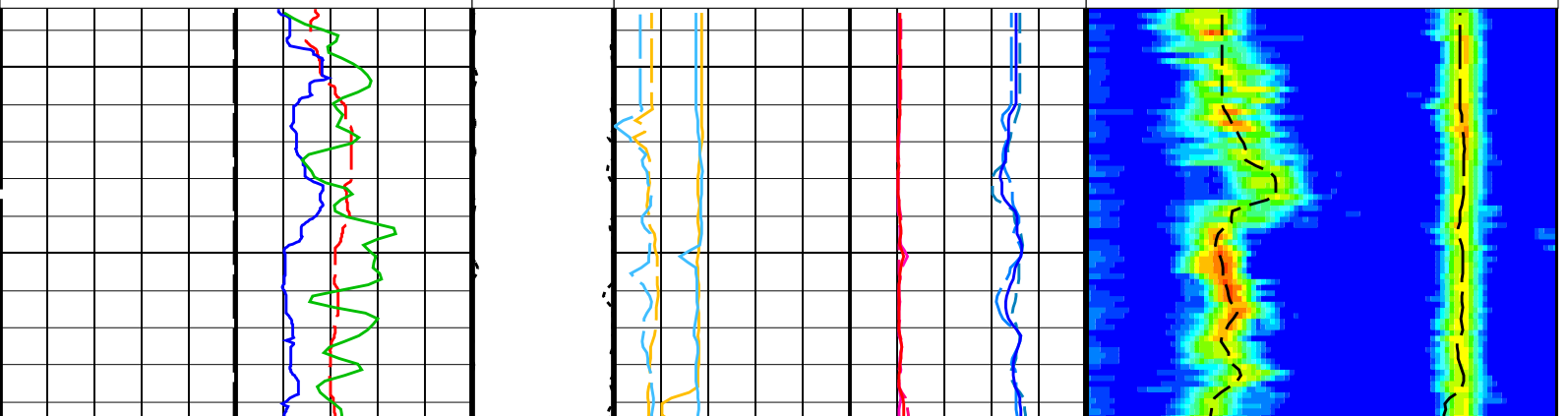
OP System Version: 19C0-187

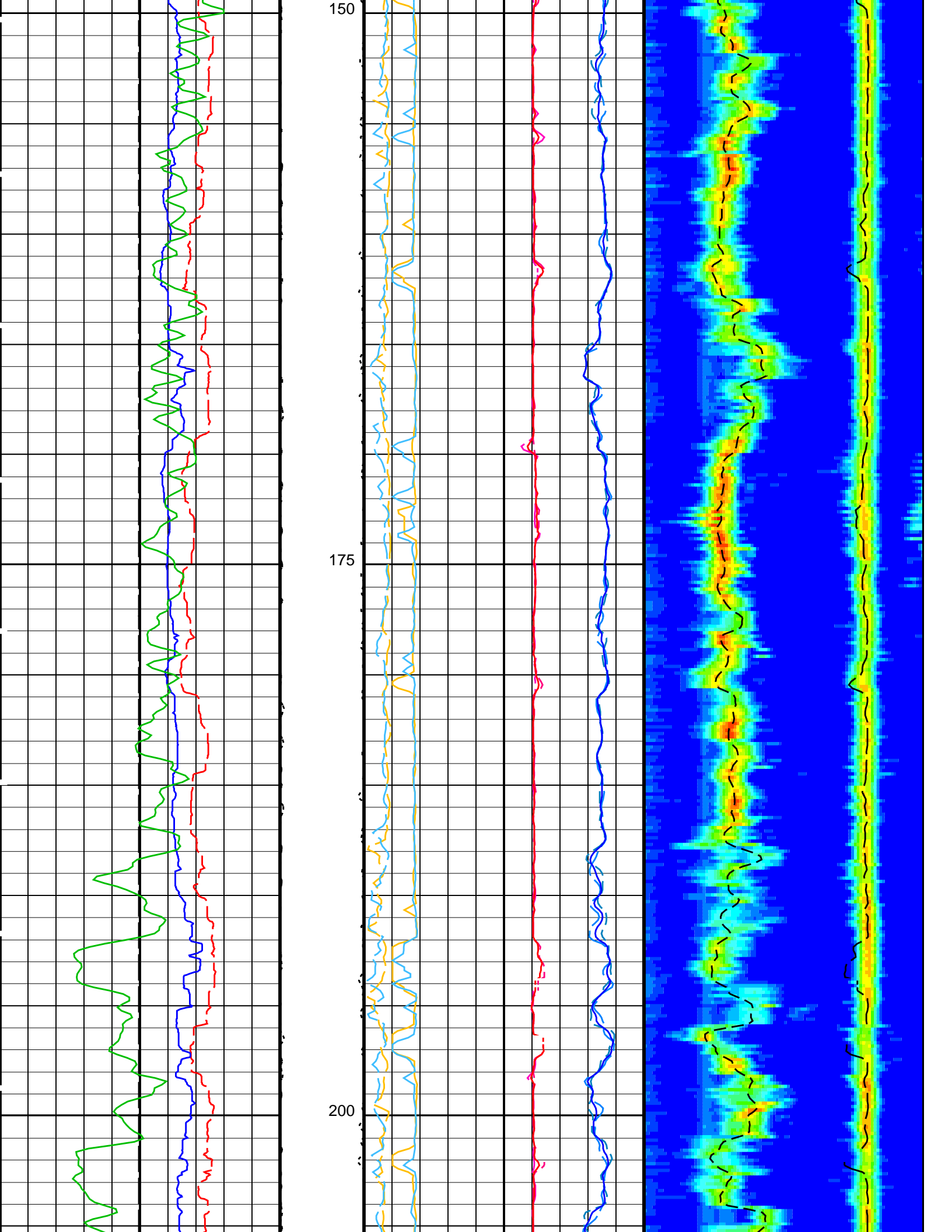
MEST-B 19C0-187 DTA-A 19C0-187
 DSST-B 19C0-187 HNGC-B 19C0-187
 HNGS-BA 19C0-187 EDTC-B SKK-5169-EDTCB

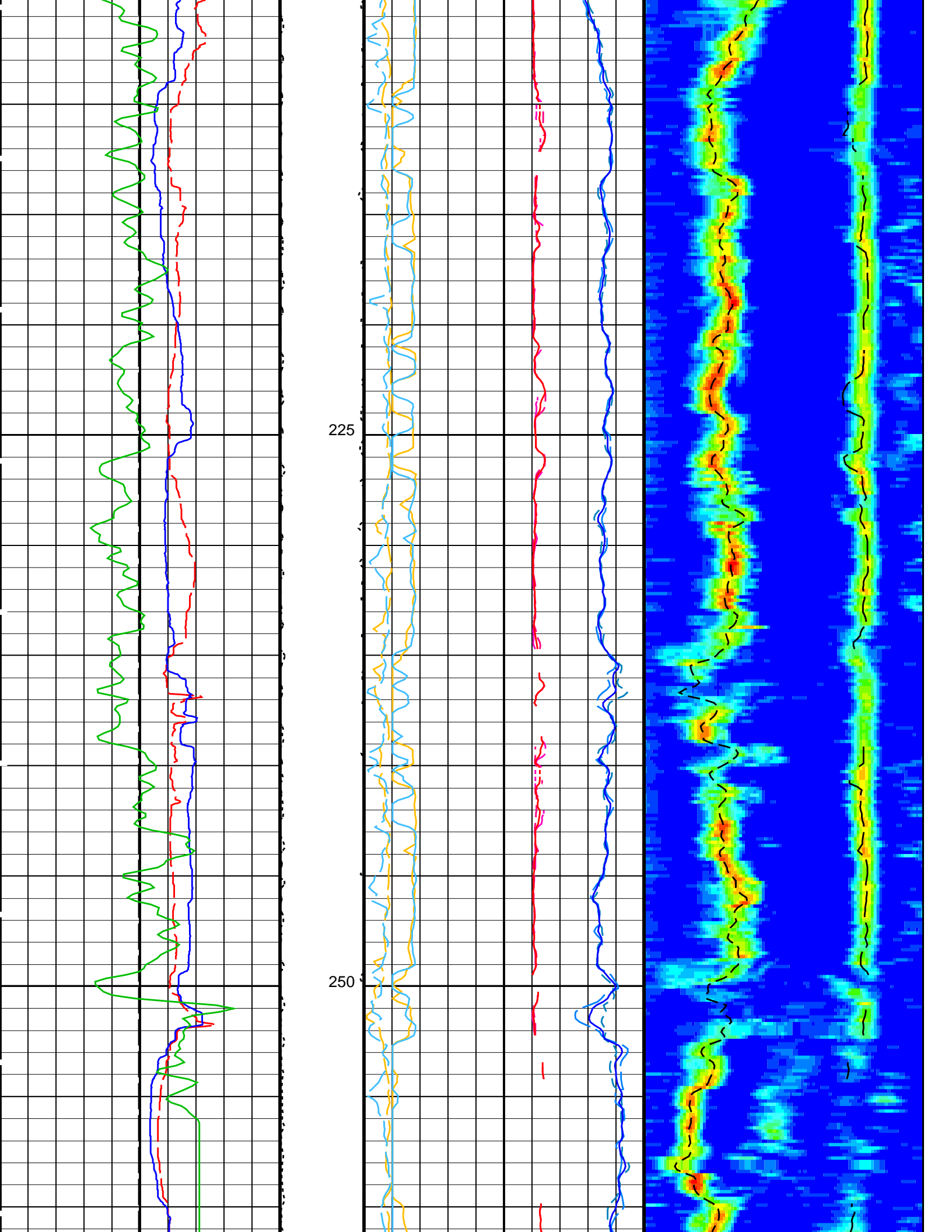
PIP SUMMARY

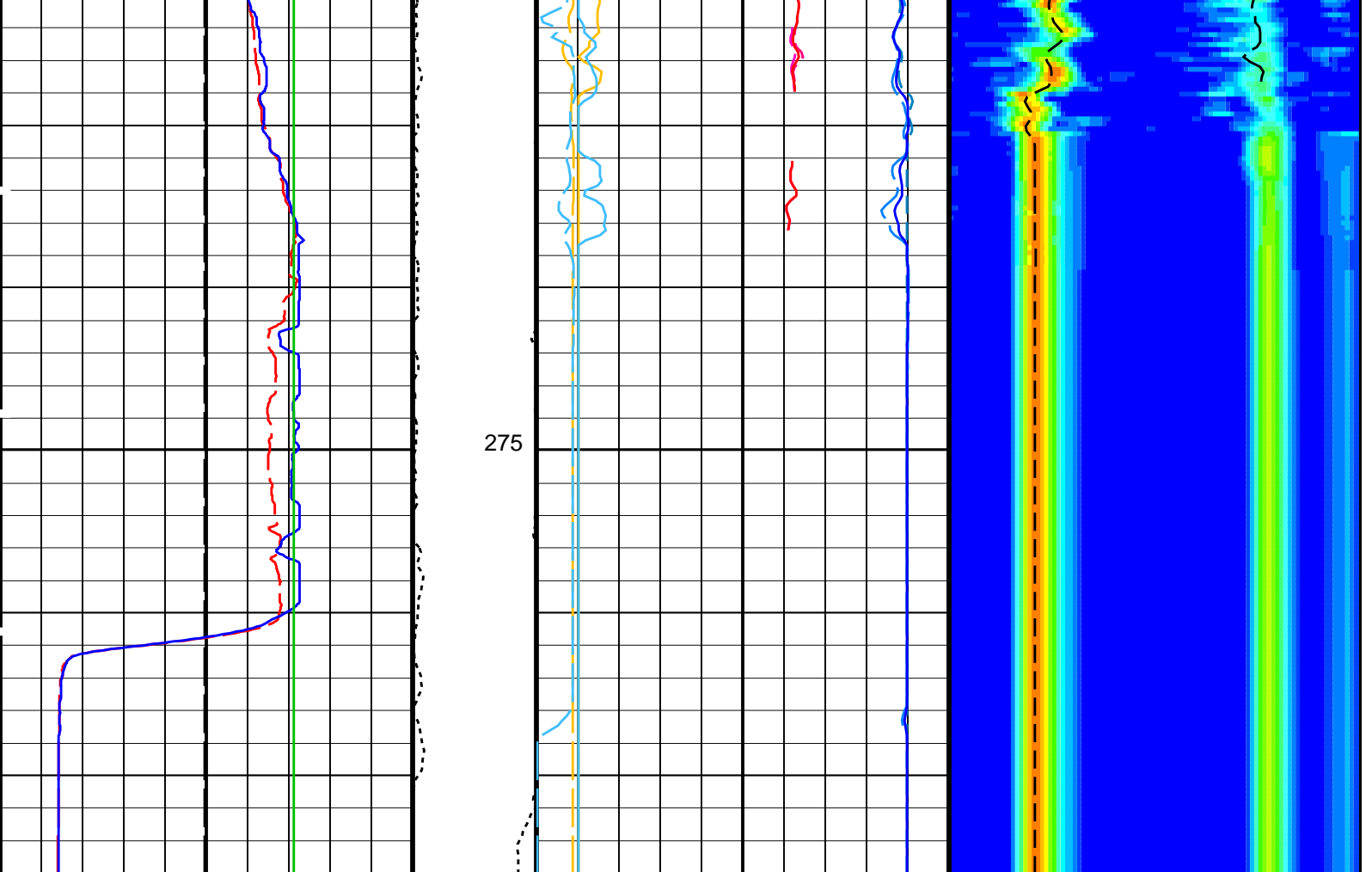
Time Mark Every 60 S

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









<p>Bit Size (BS) (IN) 0 20</p>	<p>Tension (TENS) (LBF) 0 5000</p>	<p>Peak Coherence / RA - P & S Comp (CHRP) (----) 0 10</p>	<p>Delta-T Comp / RA - P & S (DTRP) (US/F) 40 240</p>
<p>Caliper 1 (C1) (IN) 0 20</p>		<p>Peak Coherence / TA - P & S Comp (CHTP) (----) 0 10</p>	<p>Delta-T Shear / RA - P & S (DTRS) (US/F) 40 240</p>
<p>Caliper 2 (C2) (IN) 0 20</p>		<p>Peak Coherence / RA - P & S Shear (CHRS) (----) -1 9</p>	<p>Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F) 40 240</p>
<p>Gamma Ray (GR_EDTC) (GAPI) 0 40</p>		<p>Peak Coherence / TA - P & S Shear (CHTS) (----) -1 9</p>	
		<p>Delta-T Comp / RA - P & S (DTRP) (US/F) 440 40</p>	
		<p>Delta-T Comp / TA - P & S (DTTP) (US/F) 440 40</p>	
		<p>Delta-T Comp - P & S (DT4P) (US/F) 440 40</p>	
		<p>Delta-T Shear / RA - P & S (DTRS) (US/F) 440 40</p>	
		<p>Delta-T Shear / TA - P & S (DTTS) (US/F) 440 40</p>	
		<p>Delta-T Shear - P & S (DT4S) (US/F) 440 40</p>	

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	180 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	210 US/F
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control - Monopole P&S	COMP
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	181 US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	240 US/F
SSL4	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	1200 US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240 US/F
SWD4	STC Slowness Width - Monopole P&S	10 US/F
TBF4	STC Time for Baseline Fill - Monopole P&S	300 US
TLL4	STC Time Lower Limit - Monopole P&S	150 US
TST4	STC Time Step - Monopole P&S	50 US
TUL4	STC Time Upper Limit - Monopole P&S	3660 US
TWD4	STC Time Width - Monopole P&S	1000 US
TWI4	STC Integration Time Window - Monopole P&S	500 US
TWSX	Transmitter Waveform Select X	0
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	-3171.5 M
PP	Playback Processing	RECOMPUTE

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Sep-2014 13:00

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	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_NGS_015LUP	FN:19	PRODUCER	23-Sep-2014 13:16	3458.7 M	3309.8 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_053PUP	FN:74	PRODUCER	26-Sep-2014 13:00
CLIENT	FMS_DSI_NGS_053PUC	FN:75	CUSTOMER	26-Sep-2014 13:00



Second Pass

MAXIS Field Log

Company: Lamont Doherty Earth Observatory Well: Expedition 352, Site U1442A

Input DLIS Files

DEFAULT	FMS_DSI_NGS_016LUP	FN:20	PRODUCER	23-Sep-2014 13:53	3458.7 M	3164.9 M
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Output DLIS Files


DEFAULT	FMS_DSI_NGS_054PUP	FN:76	PRODUCER	26-Sep-2014 13:03	288.0 M	-6.6 M
CLIENT	FMS_DSI_NGS_054PUC	FN:77	CUSTOMER	26-Sep-2014 13:03	288.0 M	-6.6 M

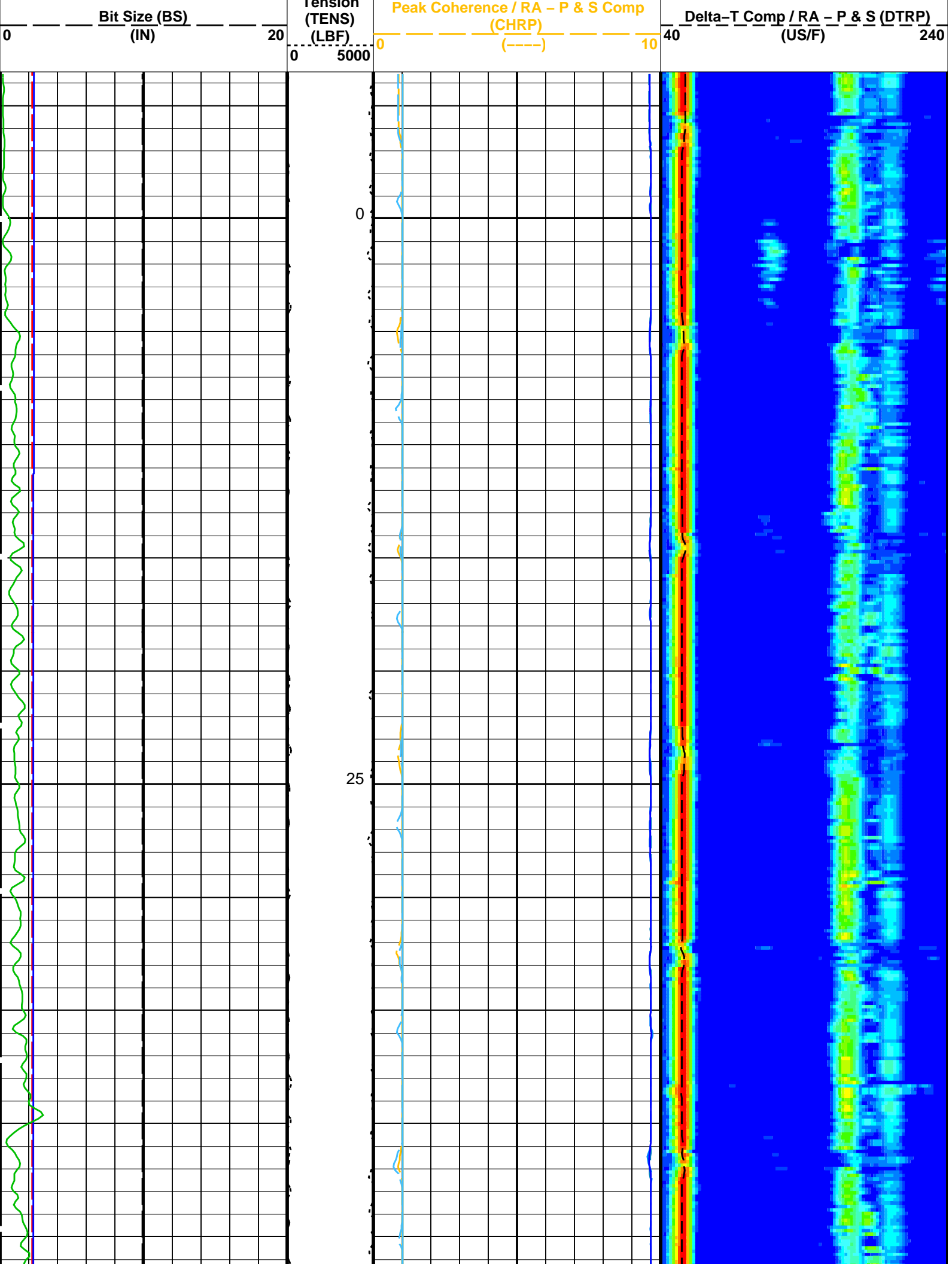
OP System Version: 19C0-187

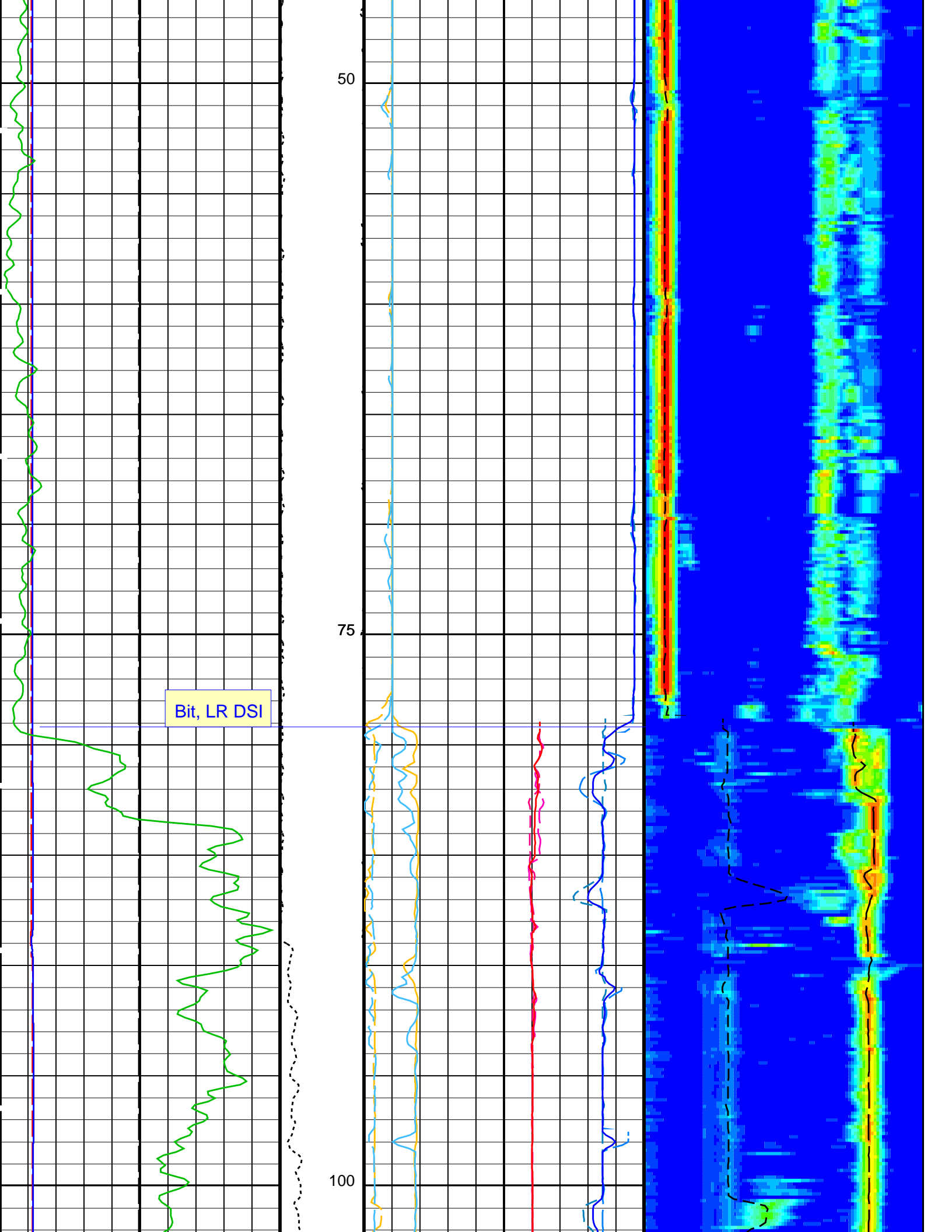
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

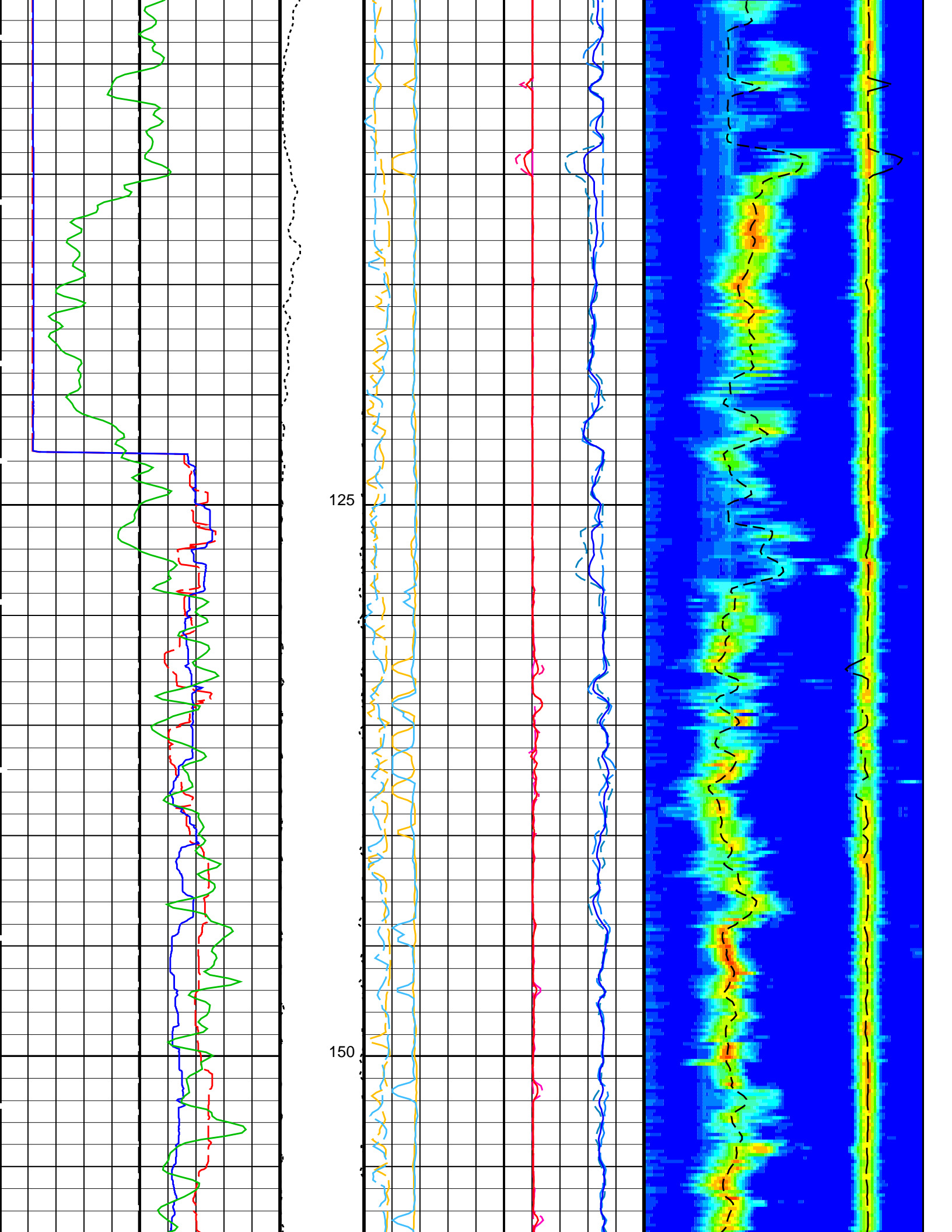
PIP SUMMARY

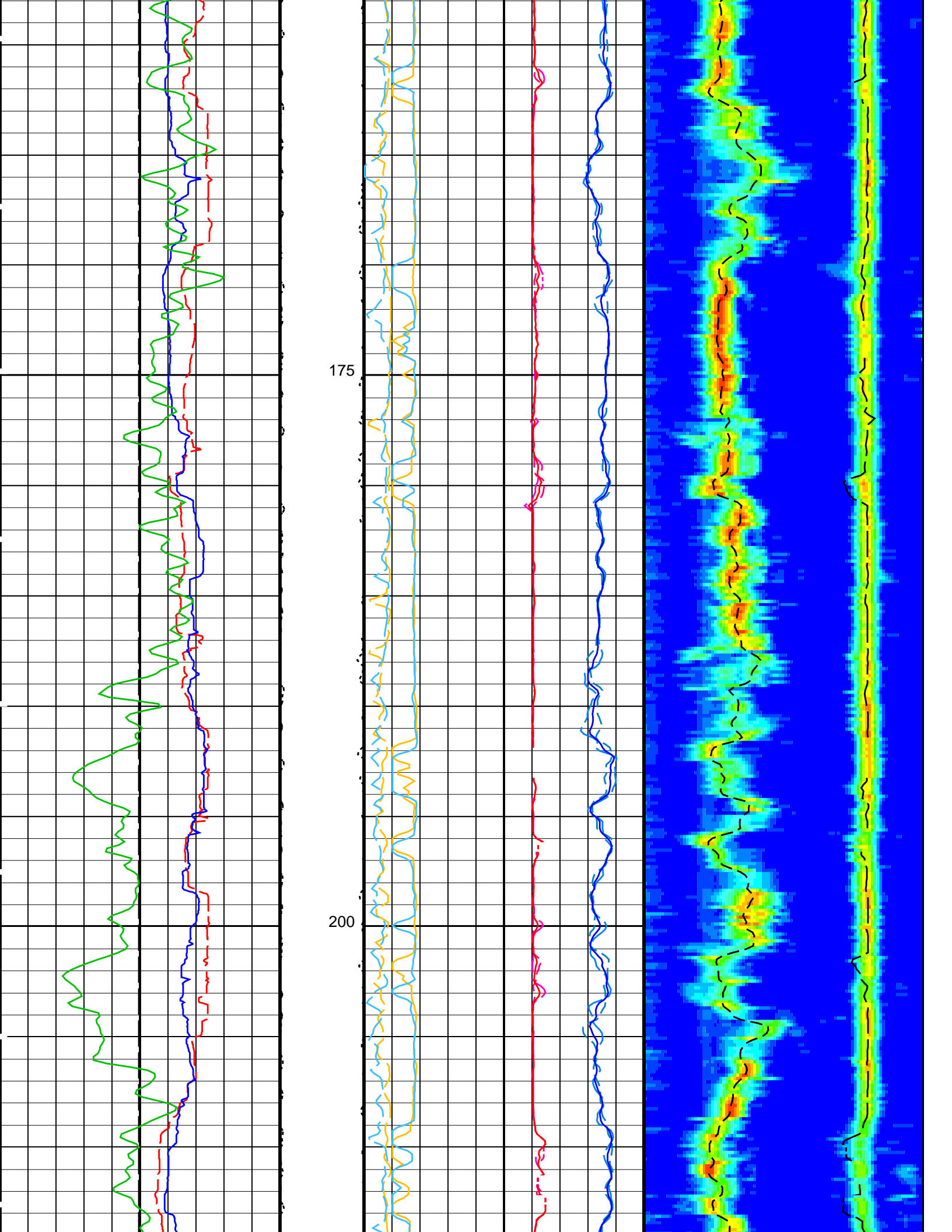
Time Mark Every 60 S

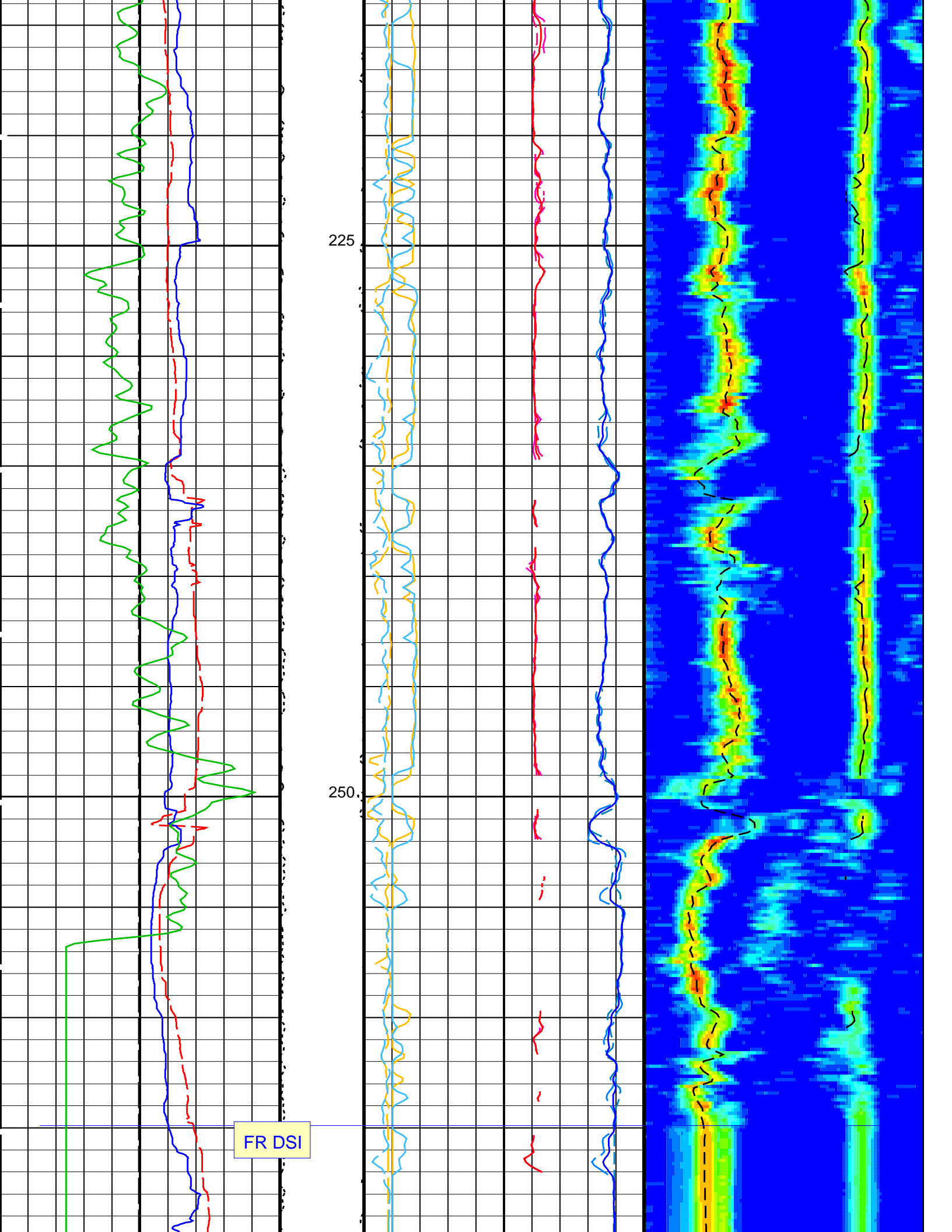
	Delta-T Shear - P & S (DT4S)	
	440 (US/F) 40	
	Delta-T Shear / TA - P & S (DTTS)	
	440 (US/F) 40	
	Delta-T Shear / RA - P & S (DTRS)	
	440 (US/F) 40	
	Delta-T Comp - P & S (DT4P)	
	440 (US/F) 40	
	Delta-T Comp / TA - P & S (DTTP)	
	440 (US/F) 40	
	Delta-T Comp / RA - P & S (DTRP)	
	440 (US/F) 40	
Gamma Ray (GR_EDTC)	Peak Coherence / TA - P & S Shear (CHTS)	
0 (GAPI) 40	-1 (----) 9	
Caliper 2 (C2)	Peak Coherence / RA - P & S Shear (CHRS)	Min Amplitude Max
0 (IN) 20	-1 (----) 9	
		Rec.Array P&S Slow Proj. CVDL (SPR4)
		40 (US/F) 240
Caliper 1 (C1)	Peak Coherence / TA - P & S Comp (CHTP)	Delta-T Shear / RA - P & S (DTRS)
0 (IN) 20	0 (----) 10	40 (US/F) 240







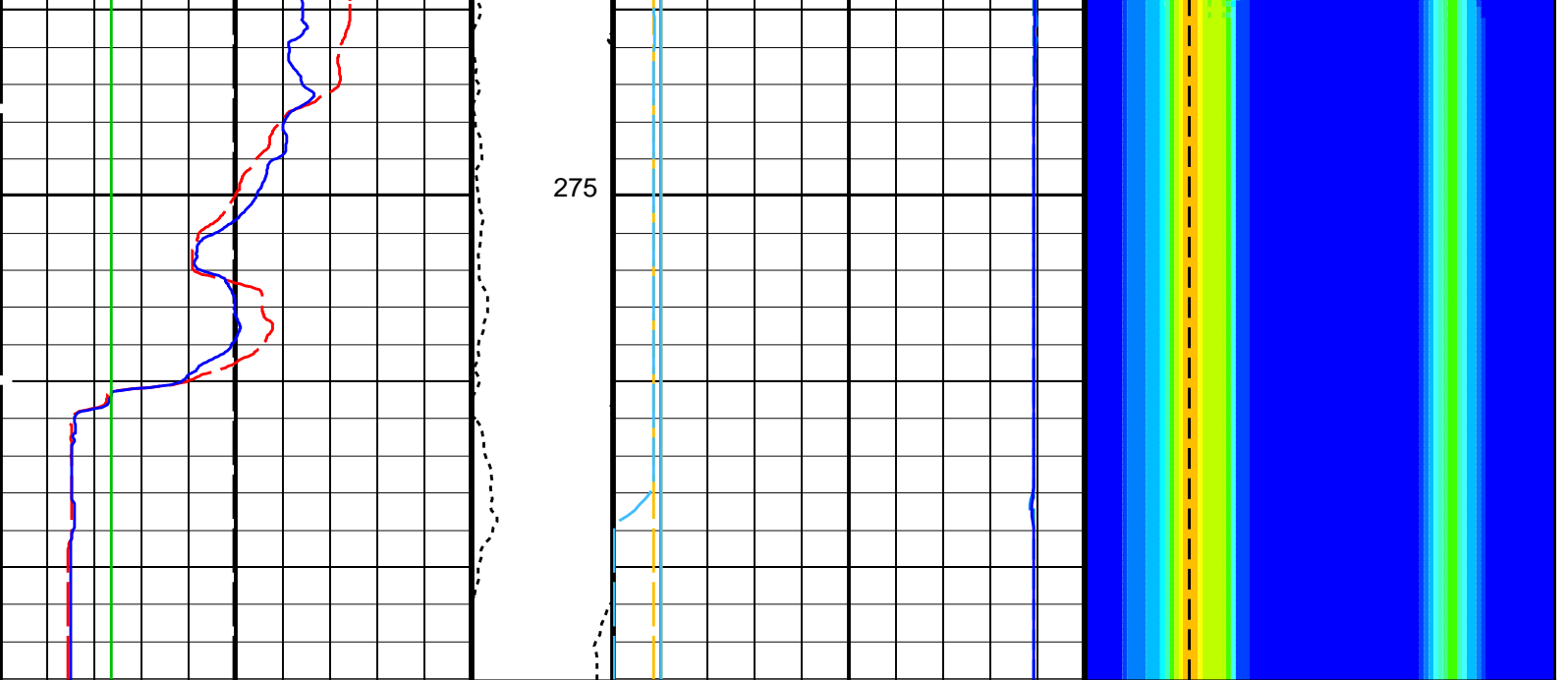




FR DSI

225

250



0	Bit Size (BS) (IN)	20	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	Peak Coherence / TA - P & S Comp (CHTP)	10	40	Delta-T Shear / RA - P & S (DTRS)	240
0	Caliper 2 (C2) (IN)	20	-1	Peak Coherence / RA - P & S Shear (CHRS)	9	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240		
0	Gamma Ray (GR_EDTC) (GAPI)	40	-1	Peak Coherence / TA - P & S Shear (CHTS)	9			
440	Delta-T Comp / RA - P & S (DTRP)	40	440	Delta-T Comp / TA - P & S (DTTP)	40			
440	Delta-T Comp - P & S (DT4P)	40	440	Delta-T Shear / RA - P & S (DTRS)	40			
440	Delta-T Shear / TA - P & S (DTTS)	40	440	Delta-T Shear - P & S (DT4S)	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	180 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	210	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP	
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	181	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	1200	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	
BHS	EDTC-B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	-3171.5	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 26-Sep-2014 13:03

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	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_NGS_016LUP	FN:20	PRODUCER	23-Sep-2014 13:53	3458.7 M	3164.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_054PUP	FN:76	PRODUCER	26-Sep-2014 13:03
CLIENT	FMS_DSI_NGS_054PUC	FN:77	CUSTOMER	26-Sep-2014 13:03

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 3-Feb-2014 19:22							
Caliper 1 Zero Measurement	12.00	N/A	11.98	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.05	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.18	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.38	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 23-Sep-2014 10:45							
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: 23-Sep-2014 10:45							
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: 15-Jul-2014 0:16 Before: 23-Sep-2014 3:43 After: 23-Sep-2014 9:35							
Na 511 Peak Loc	40.00	39.57	39.57	39.68	0.1186	1.000	
Na 511 Peak Res	15.50	15.78	15.35	14.71	-0.6379	2.000	%
High Voltage	1150	1197	1187	1186	-0.7285	N/A	V
Na 1785 Peak Loc	142.6	142.4	141.8	142.6	0.7831	7.000	
Na 1785 Peak Res	8.500	9.334	8.462	9.740	1.278	2.000	%
Temperature	15.50	37.42	35.70	33.88	-1.827	N/A	DEGC
Na Count Rate	45.00	10.91	9.927	9.941	0.01461	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 15-Jul-2014 0:16 Before: 23-Sep-2014 3:43 After: 23-Sep-2014 9:35							
Na 511 Peak Loc	40.00	39.46	39.49	39.67	0.1857	1.000	
Na 511 Peak Res	15.50	16.20	15.66	15.36	-0.2991	2.000	%
High Voltage	1150	1129	1121	1132	10.84	N/A	V
Na 1785 Peak Loc	142.6	141.8	140.7	142.8	2.092	7.000	
Na 1785 Peak Res	8.500	10.06	8.501	8.168	-0.3334	2.000	%
Temperature	15.50	38.37	35.89	35.35	-0.5446	N/A	DEGC
Na Count Rate	45.00	11.54	10.34	10.12	-0.2134	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 15-Jul-2014 0:16 Before: 23-Sep-2014 3:43 After: 23-Sep-2014 9:35							
Coincidence Count Rate Ratio	1.000	0.9495	0.9661	0.9843	0.01826	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 23-Sep-2014 3:45							
EDTC Z-Axis Acceleration	9.810	N/A	9.750	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 23-Sep-2014 3:36 After: 23-Sep-2014 9:32							
Gamma Ray (Jig – Bkg)	160.3	N/A	160.3	155.0	-5.277	14.57	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	159.6	-5.432	15.00	GAPI

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	724
MEST Preamplifier Cartridge – AB	MEPC – AB	807
GPIT Cartridge – AC	GPIC – AC	840
MEST Acquisition Cartridge – A	MEAC – A	875

Auxiliary Equipment:
 MEST-B Preamplifier Cartridge Housing
 MEST Acquisition Cartridge Housing (Slim)

MEPH - A 702
 MEAH - B 769

Hostile Natural Gamma Ray Cartridge - B / Equipment Identification

Primary Equipment:
 HNGC Cartridge HNGC - B 300
 Auxiliary Equipment:
 HNGC Housing HNGH - A 115

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:
 HNGS Sonde HNGS - BA 194
 Auxiliary Equipment:
 HNGS Sonde Housing HNSH - BA 205
 Gamma Source Radioactive GSR - U 616008

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		39.57	Master		15.78	Master		1197
Before		39.57	Before		15.35	Before		1187
After		39.68	After		14.71	After		1186
	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		142.4	Master		9.334	Master		37.42
Before		141.8	Before		8.462	Before		35.70
After		142.6	After		9.740	After		33.88
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.000 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		10.91						
Before		9.927	EXCEEDS LIMIT					
After		9.941	EXCEEDS LIMIT					
	10.00 (Minimum) 45.00 (Nominal) 100.00 (Maximum)							
Master: 15-Jul-2014 0:16			Before: 23-Sep-2014 3:43			After: 23-Sep-2014 9:35		

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		39.46	Master		16.20	Master		1129
Before		39.49	Before		15.66	Before		1121
After		39.67	After		15.36	After		1132
	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		10.06	Master		38.37
Before		140.7	Before		8.501	Before		35.89
After		142.8	After		8.168	After		35.35
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.000 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		10.91						
Before		9.927	EXCEEDS LIMIT					
After		9.941	EXCEEDS LIMIT					
	10.00 (Minimum) 45.00 (Nominal) 100.00 (Maximum)							

Phase	Na Count Rate C/P	Value
Master		11.54
Before		10.34
After		10.12
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)		

Master: 15-Jul-2014 0:16 Before: 23-Sep-2014 3:43 After: 23-Sep-2014 9:35

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master	EXCEEDS LIMIT	0.9495
Before		0.9661
After		0.9843
0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)		

Master: 15-Jul-2014 0:16
Before: 23-Sep-2014 3:43
After: 23-Sep-2014 9:35

Enhanced DTS Cartridge / Equipment Identification			
Primary Equipment:			
EDTC Gamma Ray Detector	EDTG - A/B	8305	
Enhanced DTS Cartridge	EDTC - B	8317	
Auxiliary Equipment:			
EDTC Housing	EDTH - B	8303	

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.750
9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)		

Before: 23-Sep-2014 3:45

Enhanced DTS Cartridge Wellsite Calibration									
Detector Calibration									
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig - Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value	
Before		1.756	Before		160.3	Before		165.0	
After		7.977	After		155.0	After		159.6	
0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			145.7 (Minimum) 160.3 (Nominal) 174.9 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)			

Before: 23-Sep-2014 3:36 After: 23-Sep-2014 9:32

Company: **Lamont Doherty Earth Observatory**



Well: **Expedition 352, Site U1442A**

Field: **IBM-3 Forearc**

Rig: **JOIDES Resolution**

Country:

DSI Dipole Sonic Imager
P & S