

DISCLAIMER

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OTHER SERVICES1

- OS1: HRLA
- OS2: HLDS / APS
- OS3: MSS
- OS4: HNGS
- OS5: FMS

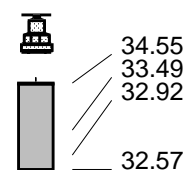
REMARKS: RUN NUMBER 1

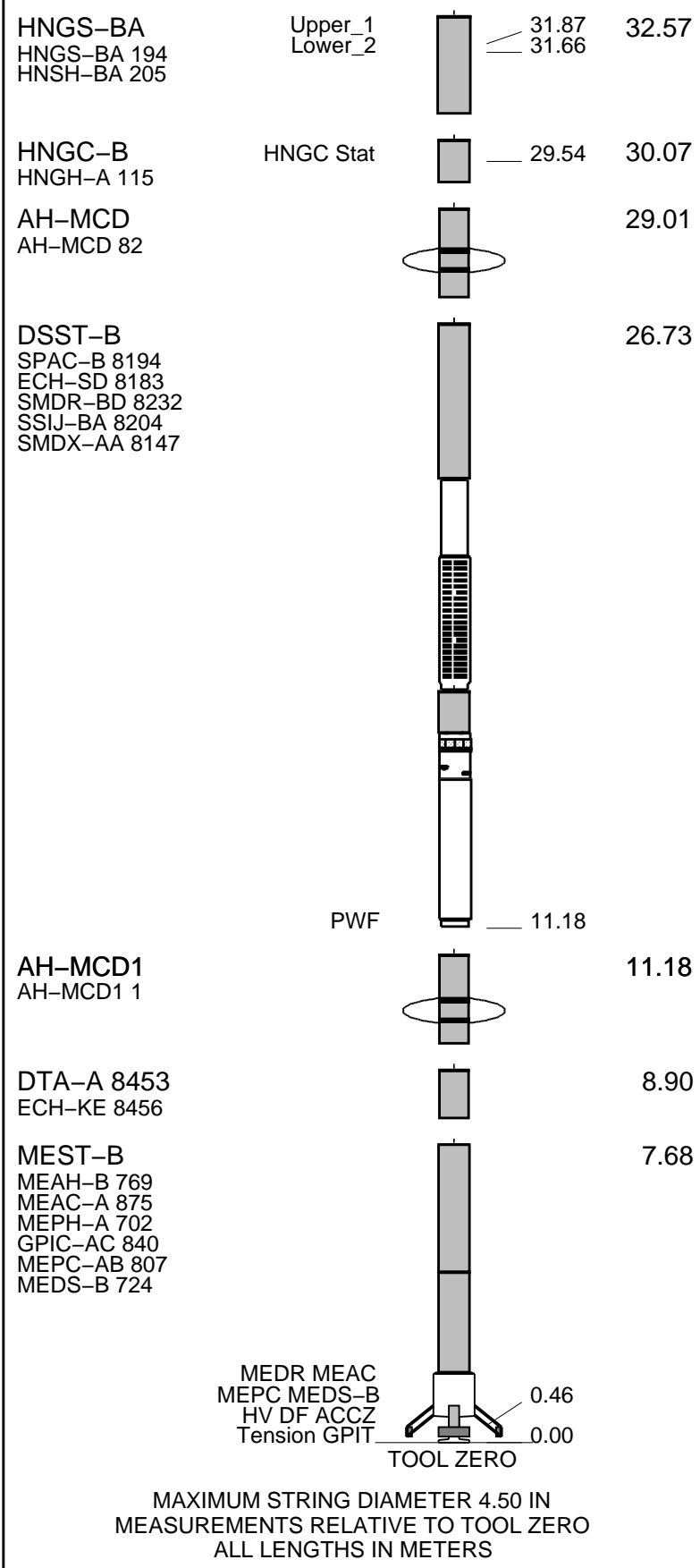
Hole drilled with RCB coring bit and bottom hole assembly (BHA). 9 7/8 " BS
 Coring concluded approximately 24 hours prior to logging.
 Drill pipe set at a depth of 92.3mbsf with a logging bit installed to facilitate wireline logging.
 Downlog run with corrections computed using bit size; uplogs corrected for actual hole size using caliper.
 FMS Calipers closed for downlog; calipers open for uplog with EMEX set to Auto mode.
 DSI run with P&S=Std, Stoneley=Std, Upper Dipole = Std, and Lower Dipole = Low Freq. modes for all passes.
 Tool string run centered using modified MCD inline centralizers, as per toolsketch.
 Fluid type was sea water, as used to drill, so no barite corrections were required.
 Depth originally recorded from drill floor; played back with sea floor as reference zero.
 All logs presented in measured depth below sea floor (MDBSF).
 Logs played back to correct Slowness labelling, apply GPIT corrections, and apply computed FMS contrast map.

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 1701 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 35.44 33.49 32.92 34.55 32.57



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

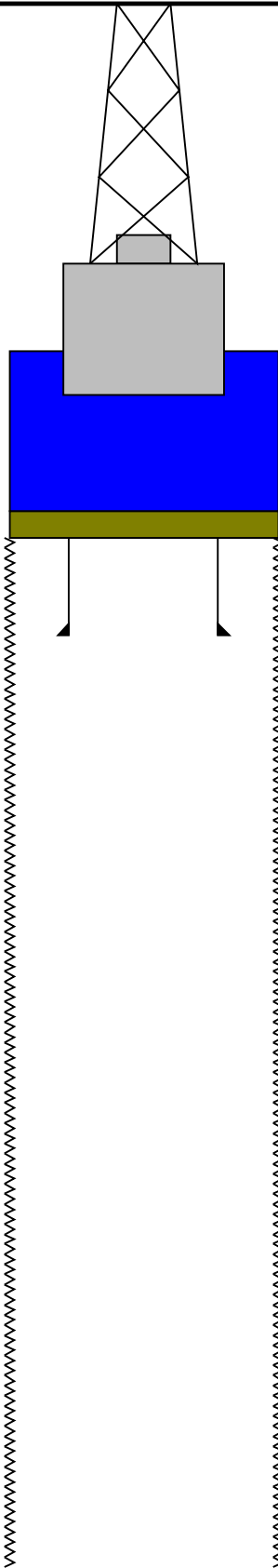
Derrick Floor Elevation

Mean Sea Level

-2127.3

-2127.3

-2117.3



0.0

92.3

5.500

980.4

9.875

Sea Floor

Bit Depth

Total Depth - Driller

Schlumberger

**Downlog
1:200 Scale**

MAXIS Field Log

Company: Lamont Doherty Earth Observatory

Well: Expedition 350, Site U1437D

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_044LUP	PRODUCER	25-Apr-2014 03:46	3075.9 M	2098.5 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_047PUP	FN:57	PRODUCER	25-Apr-2014 04:25	952.3 M	-25.0 M
CLIENT	FMS_DSI_NGS_047PUC	FN:58	CUSTOMER	25-Apr-2014 04:25	952.3 M	-25.0 M

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

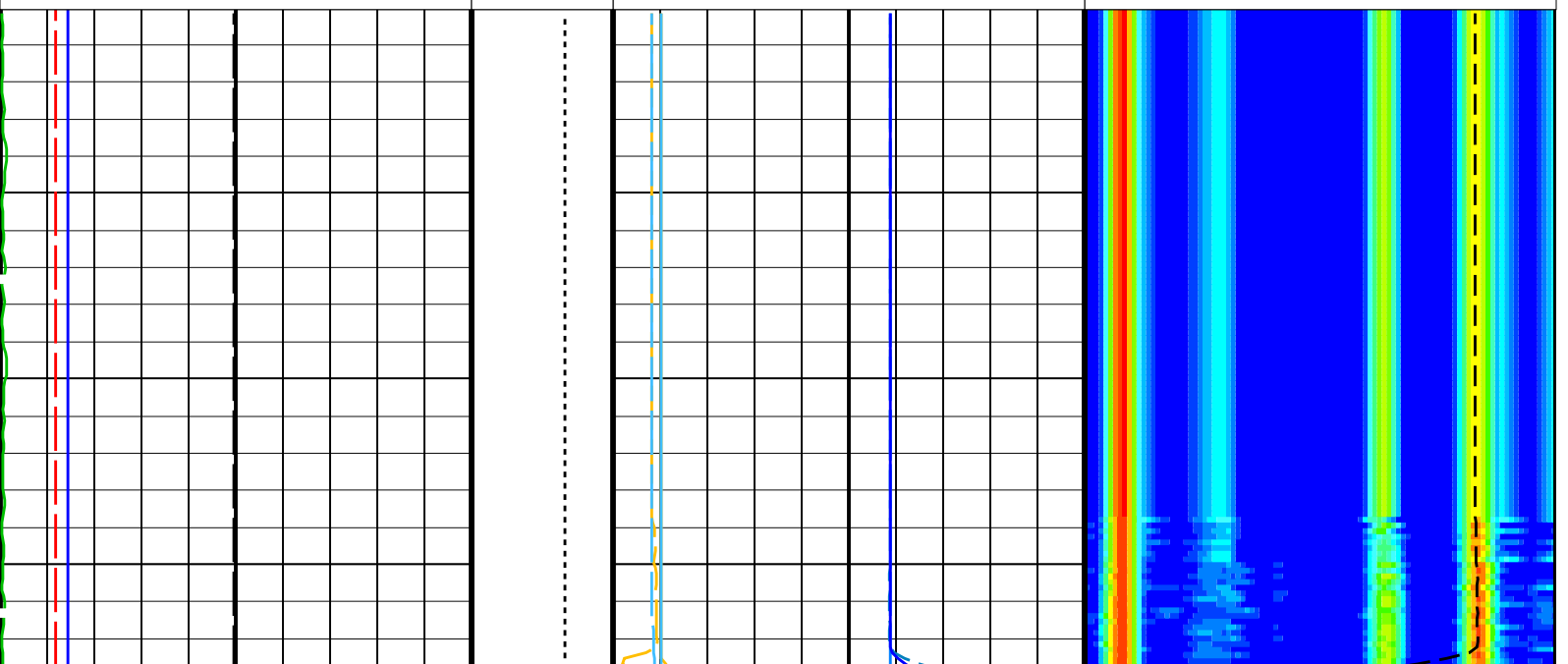
Changed Parameter Summary

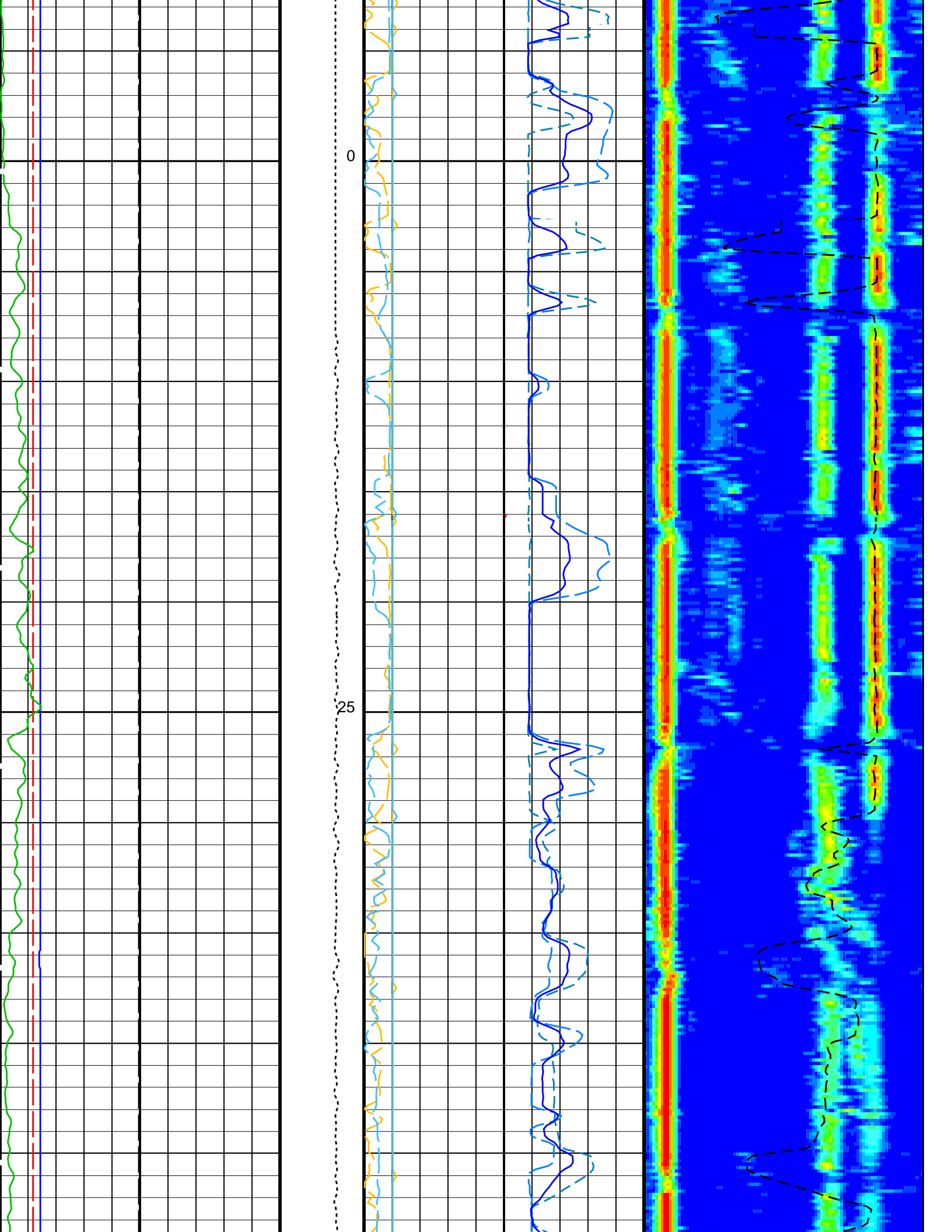
DLIS Name	New Value	Previous Value	Depth & Time
COLL	60 US/F	60 US/F	952.3 04:25:42
	100 US/F	60 US/F	219.9 04:27:29
	60 US/F	100 US/F	91.4 04:27:48
STLL	180 US/F	180 US/F	952.3 04:25:42
	300 US/F	180 US/F	219.9 04:27:29
	180 US/F	300 US/F	91.4 04:27:48

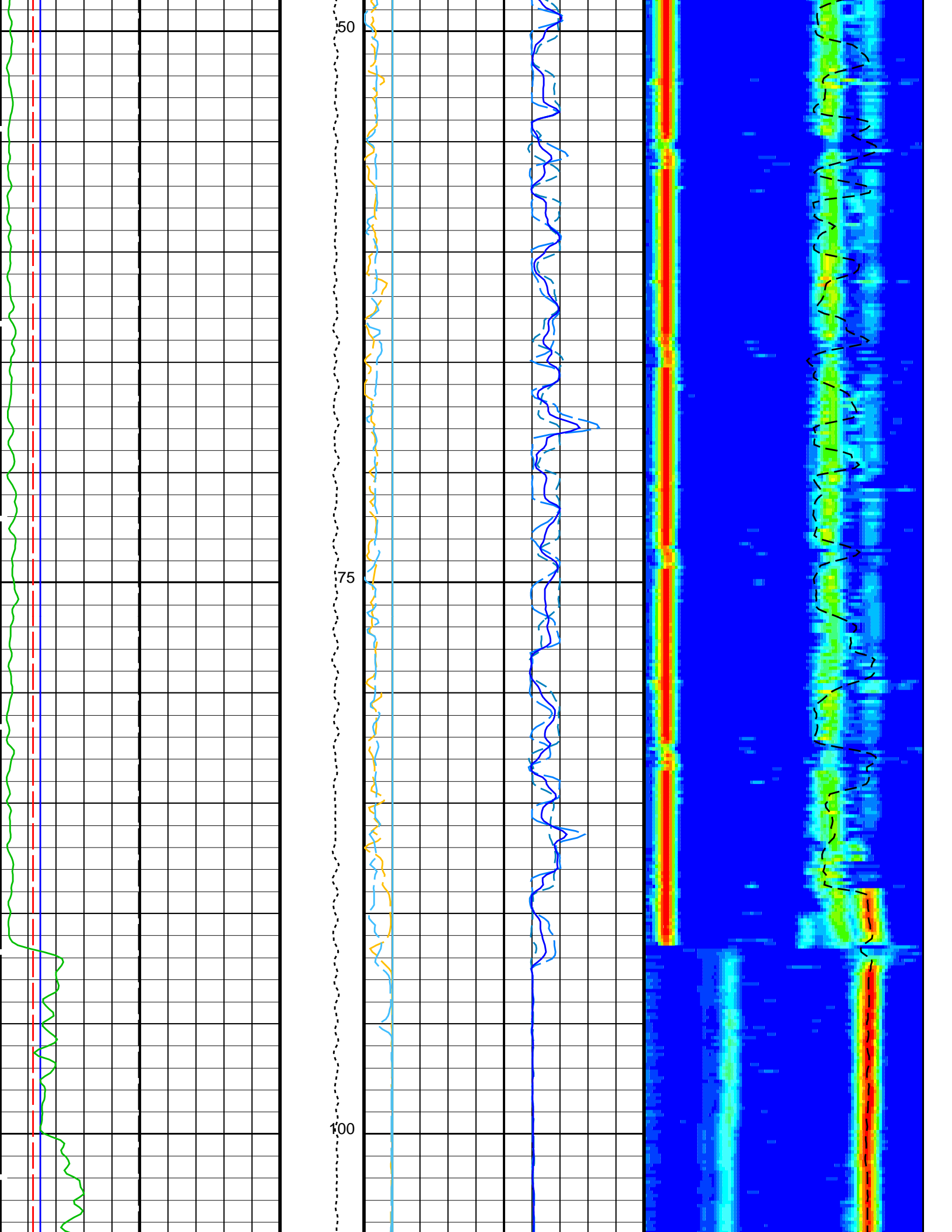
PIP SUMMARY

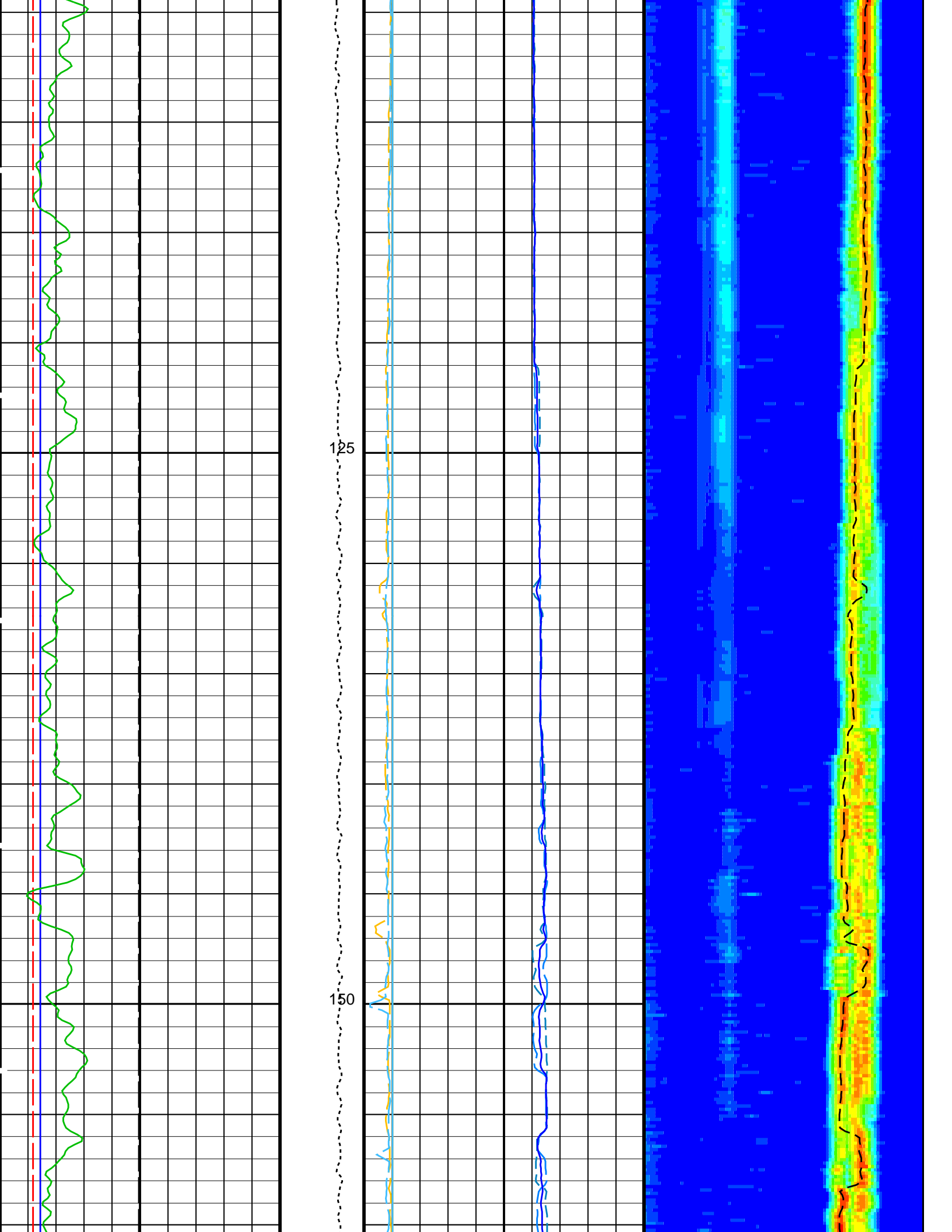
Time Mark Every 60 S

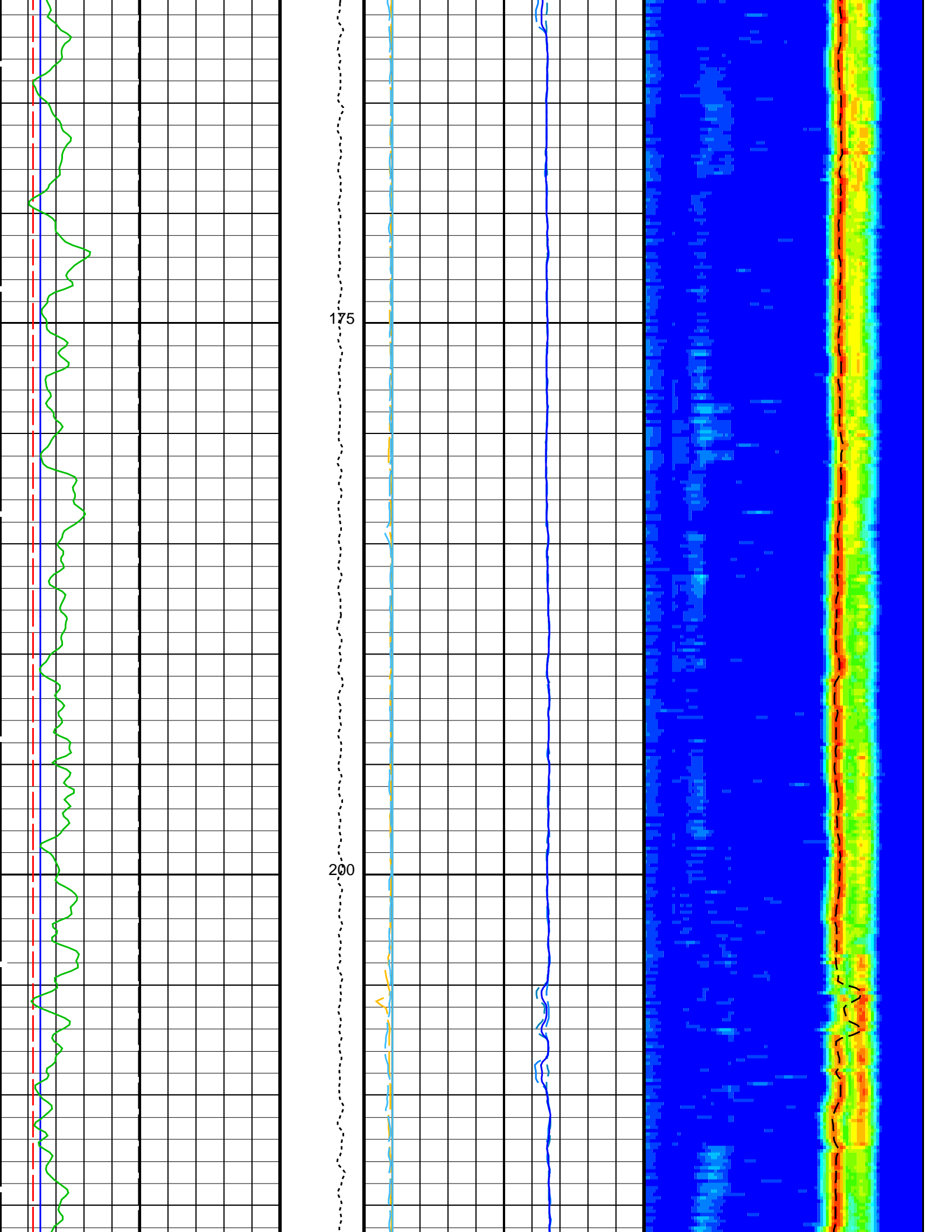
	Delta-T Shear - P & S (DT4S) 440 (US/F) 40										
	Delta-T Shear / TA - P & S (DTTS) 440 (US/F) 40										
	Delta-T Shear / RA - P & S (DTRS) 440 (US/F) 40										
	Delta-T Comp - P & S (DT4P) 440 (US/F) 40										
	Delta-T Comp / TA - P & S (DTTP) 440 (US/F) 40										
	Delta-T Comp / RA - P & S (DTRP) 440 (US/F) 40										
Gamma Ray (GR_EDTC) 0 (GAPI) 150	Peak Coherence / TA - P & S Shear (CHTS) -1 (----) 9										
Caliper 2 (C2) 0 (IN) 20	Peak Coherence / RA - P & S Shear (CHRS) -1 (----) 9	<table border="0" style="width: 100%;"> <tr> <td style="text-align: left;">Min</td> <td style="text-align: center;">Amplitude</td> <td style="text-align: right;">Max</td> </tr> <tr> <td colspan="3" style="text-align: center;"> </td> </tr> <tr> <td colspan="3" style="text-align: center;"> Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240 </td> </tr> </table>	Min	Amplitude	Max				Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240		
Min	Amplitude	Max									
Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240											
Caliper 1 (C1) 0 (IN) 20	Peak Coherence / TA - P & S Comp (CHTP) 0 (----) 10	Delta-T Shear / RA - P & S (DTRS) 40 (US/F) 240									
Bit Size (BS) 0 (IN) 20	Peak Coherence / RA - P & S Comp (CHRP) 0 (----) 10	Delta-T Comp / RA - P & S (DTRP) 40 (US/F) 240									
Tension (TENS) 0 (LBF) 5000											

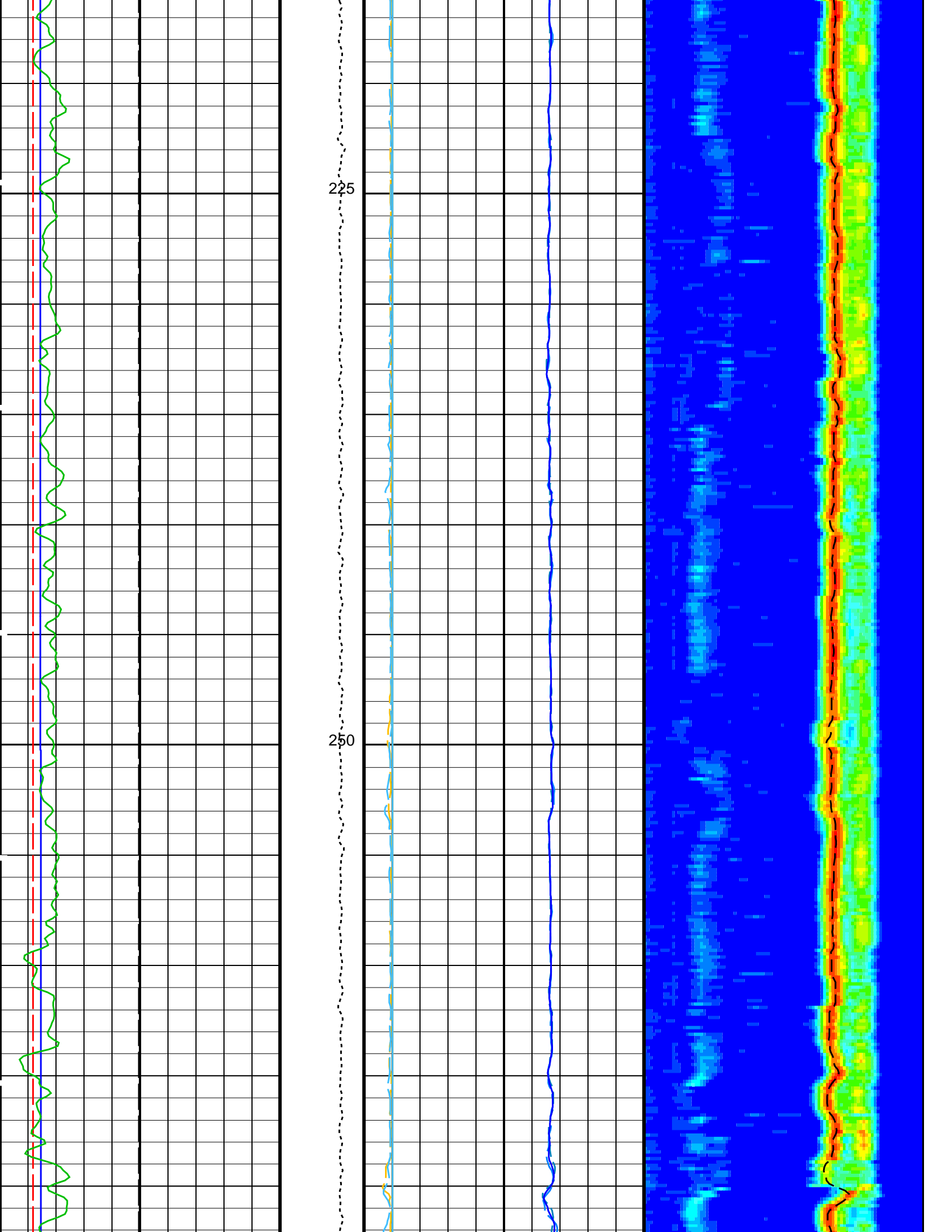


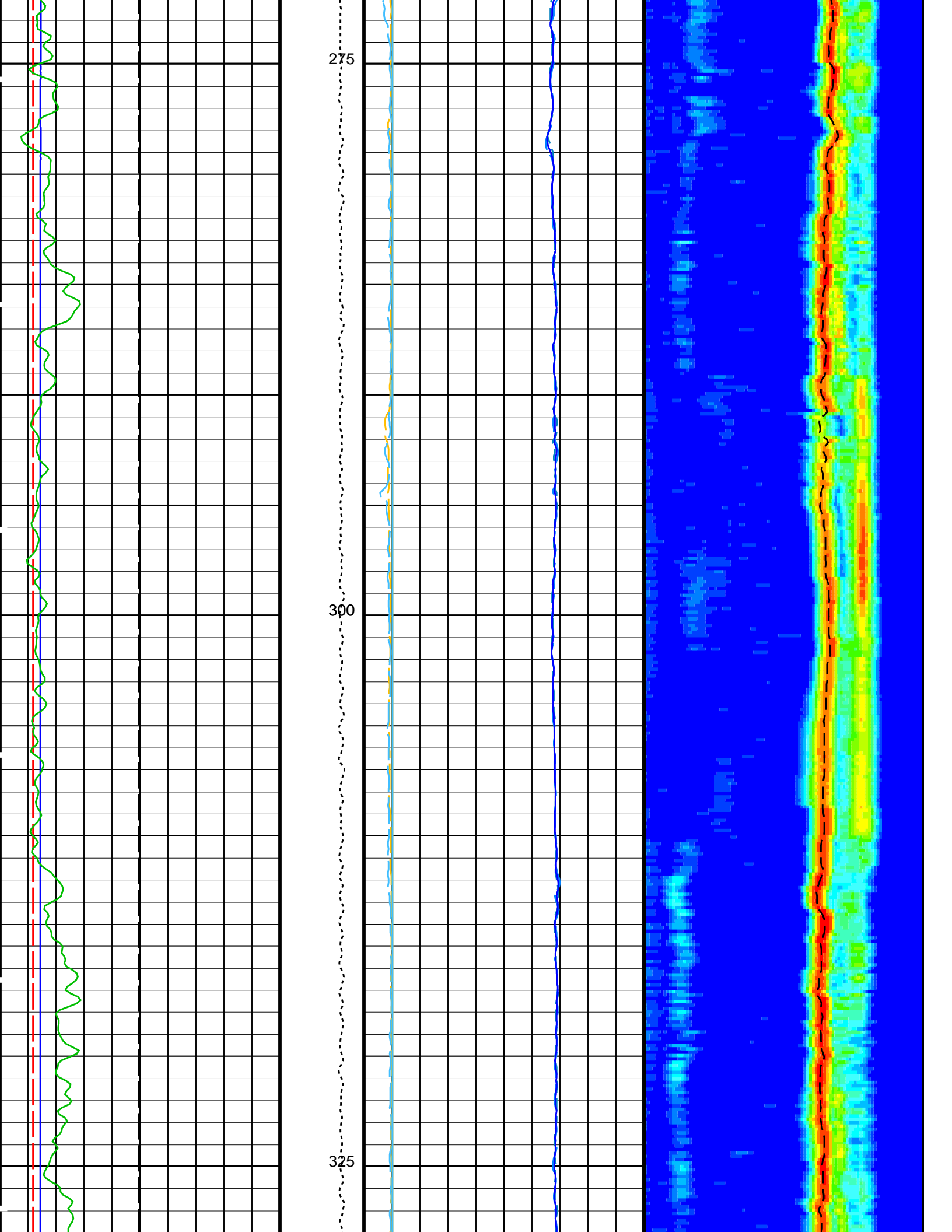


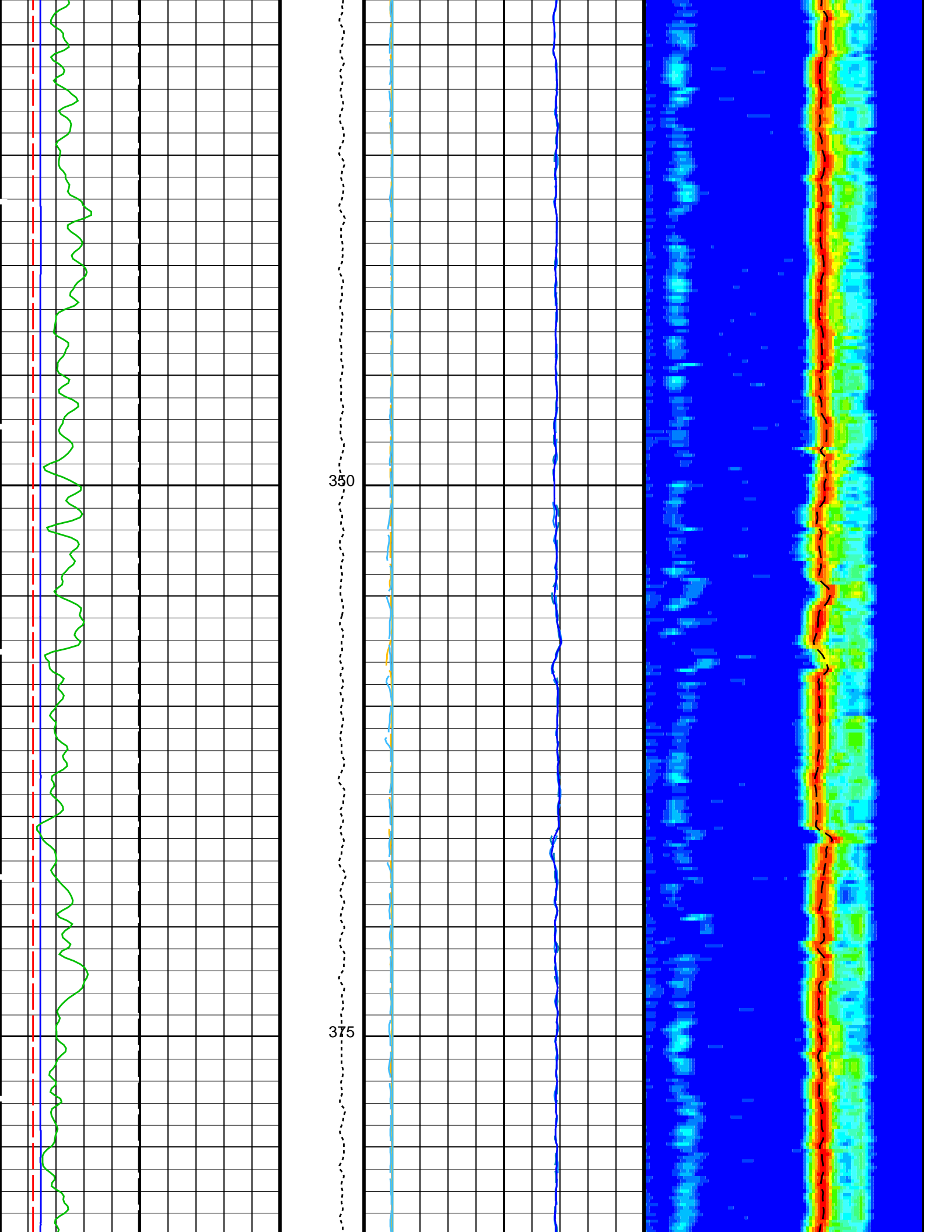


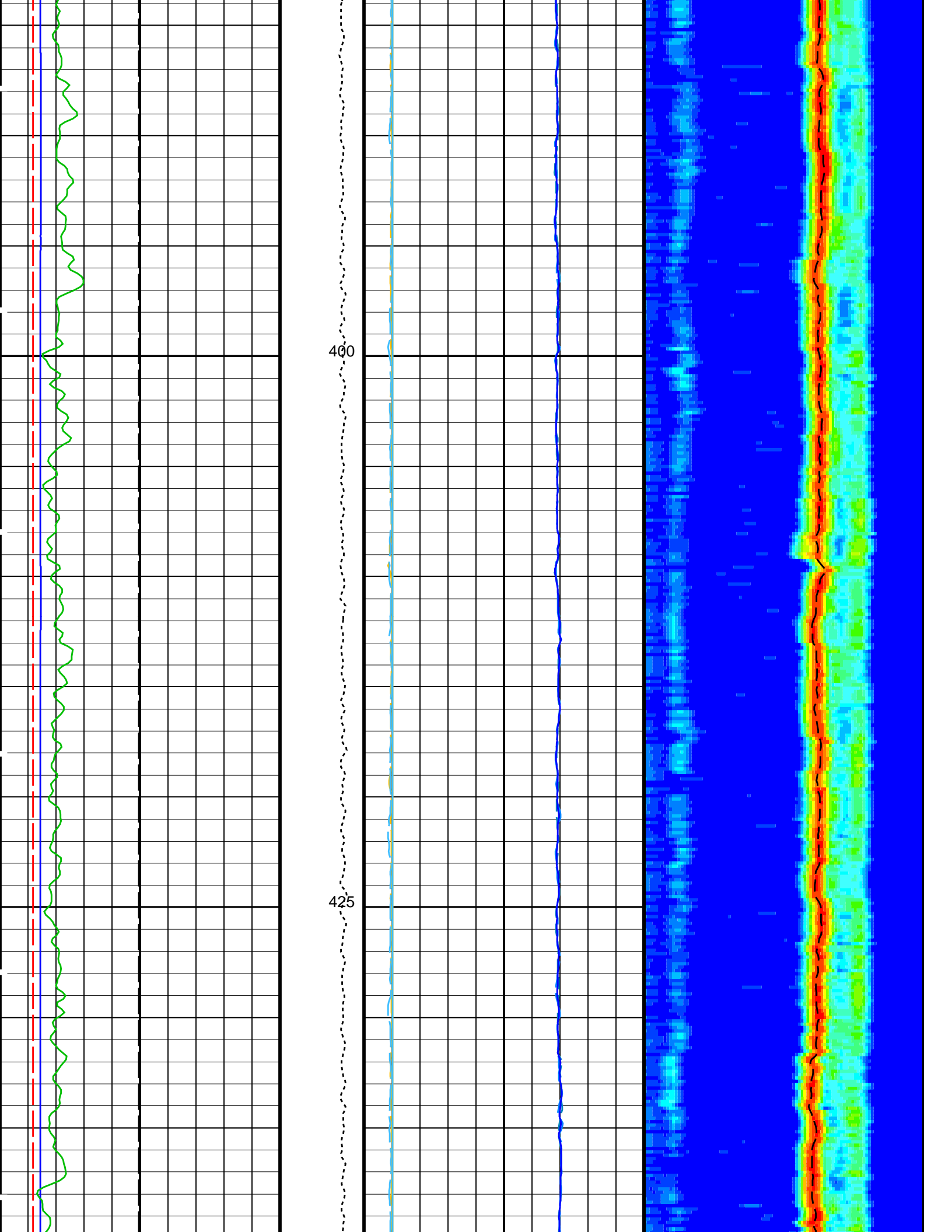


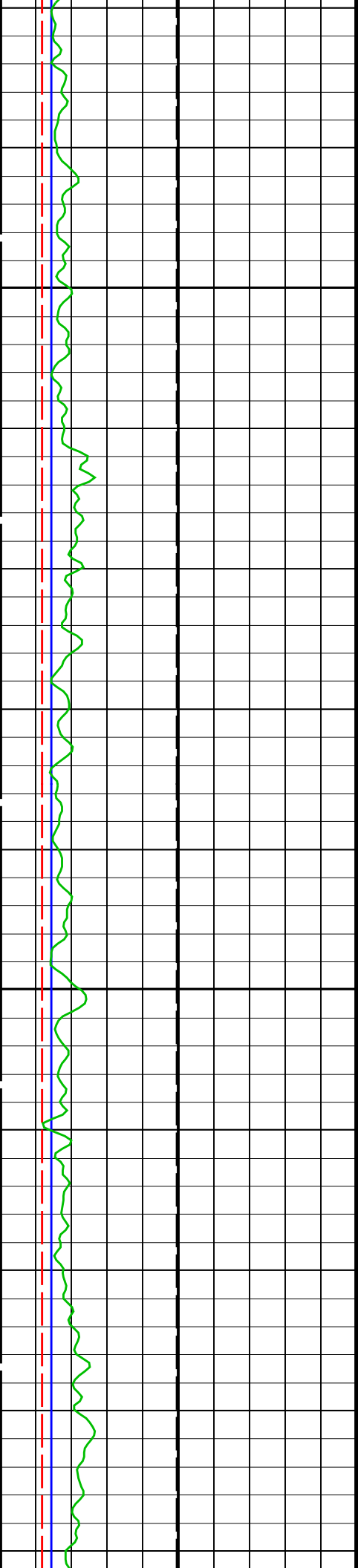






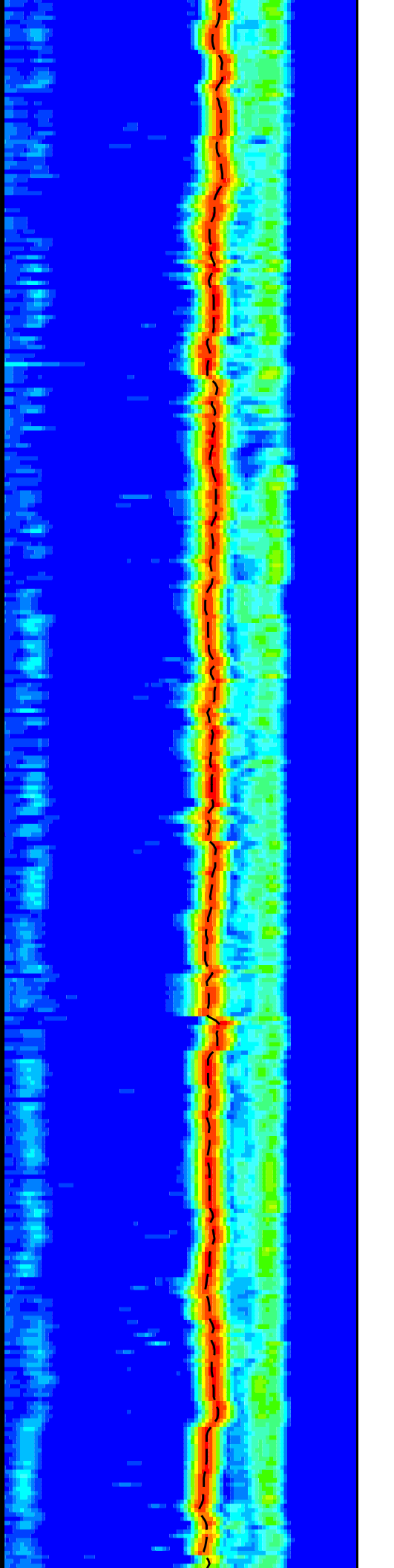
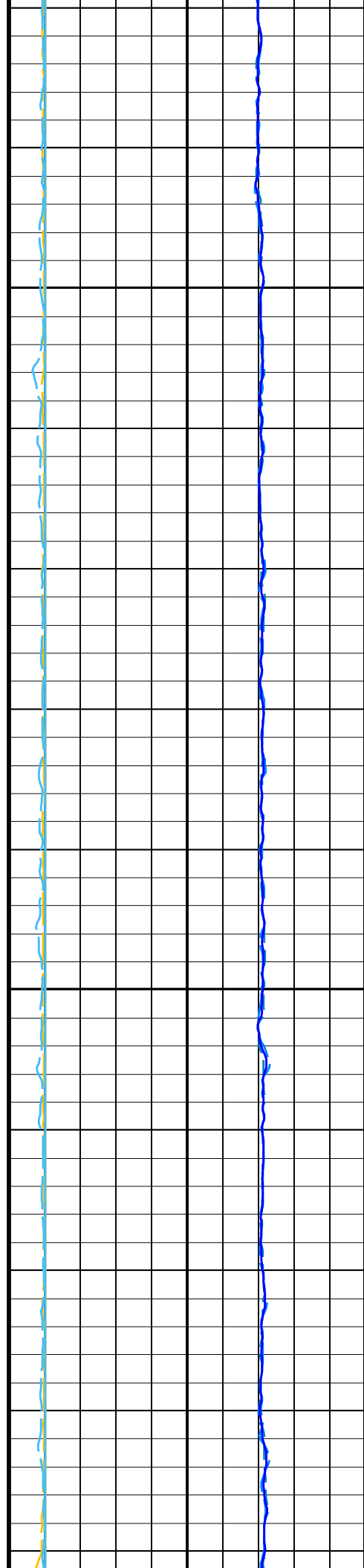


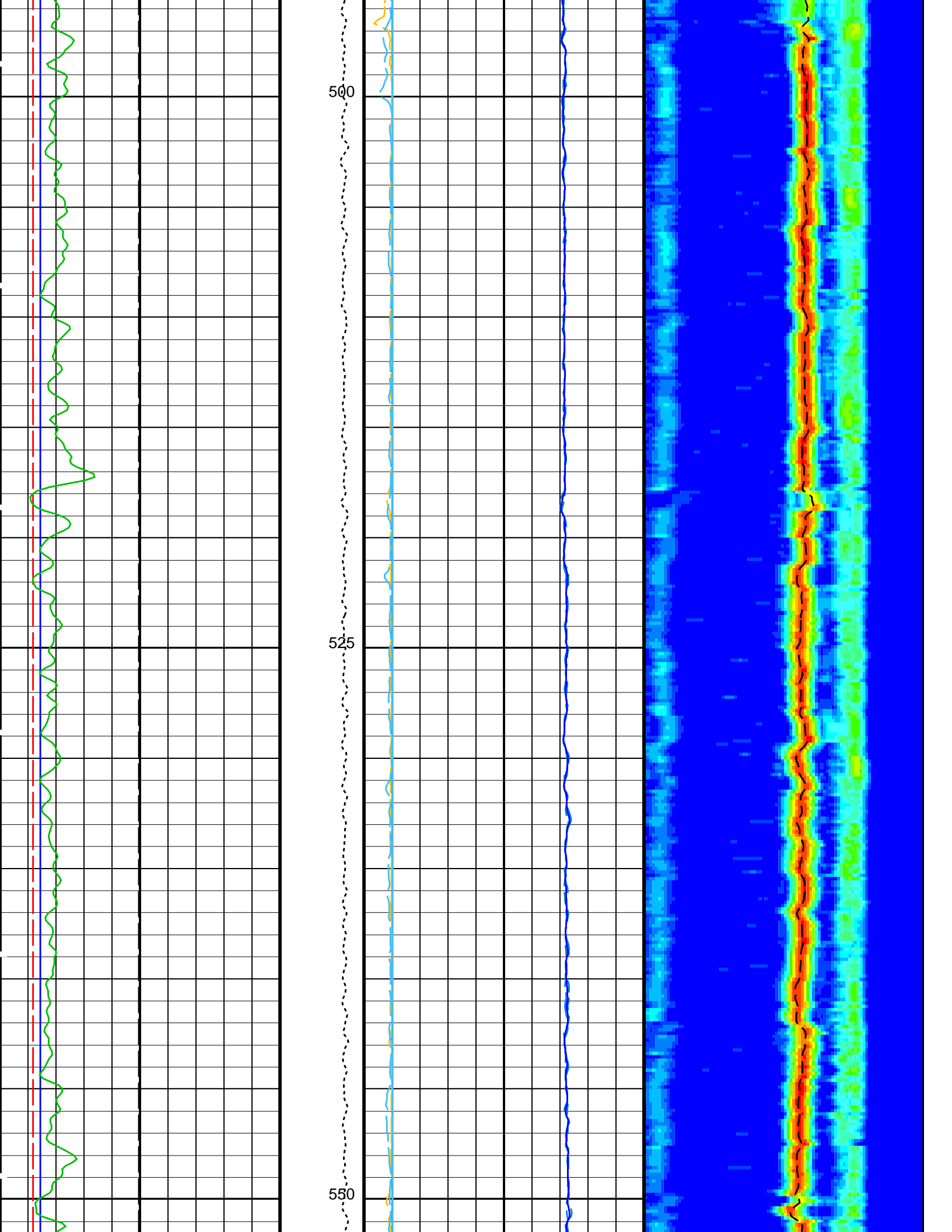


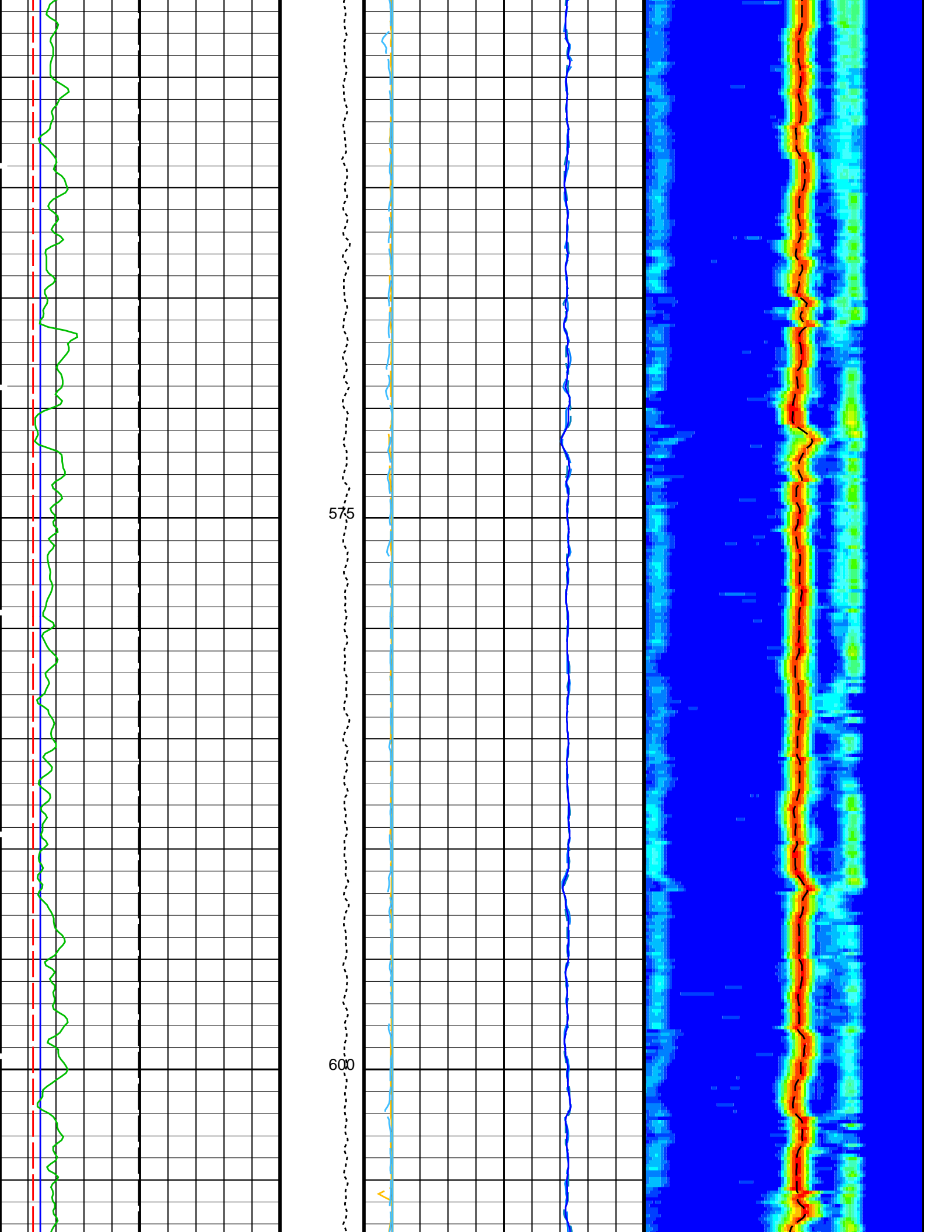


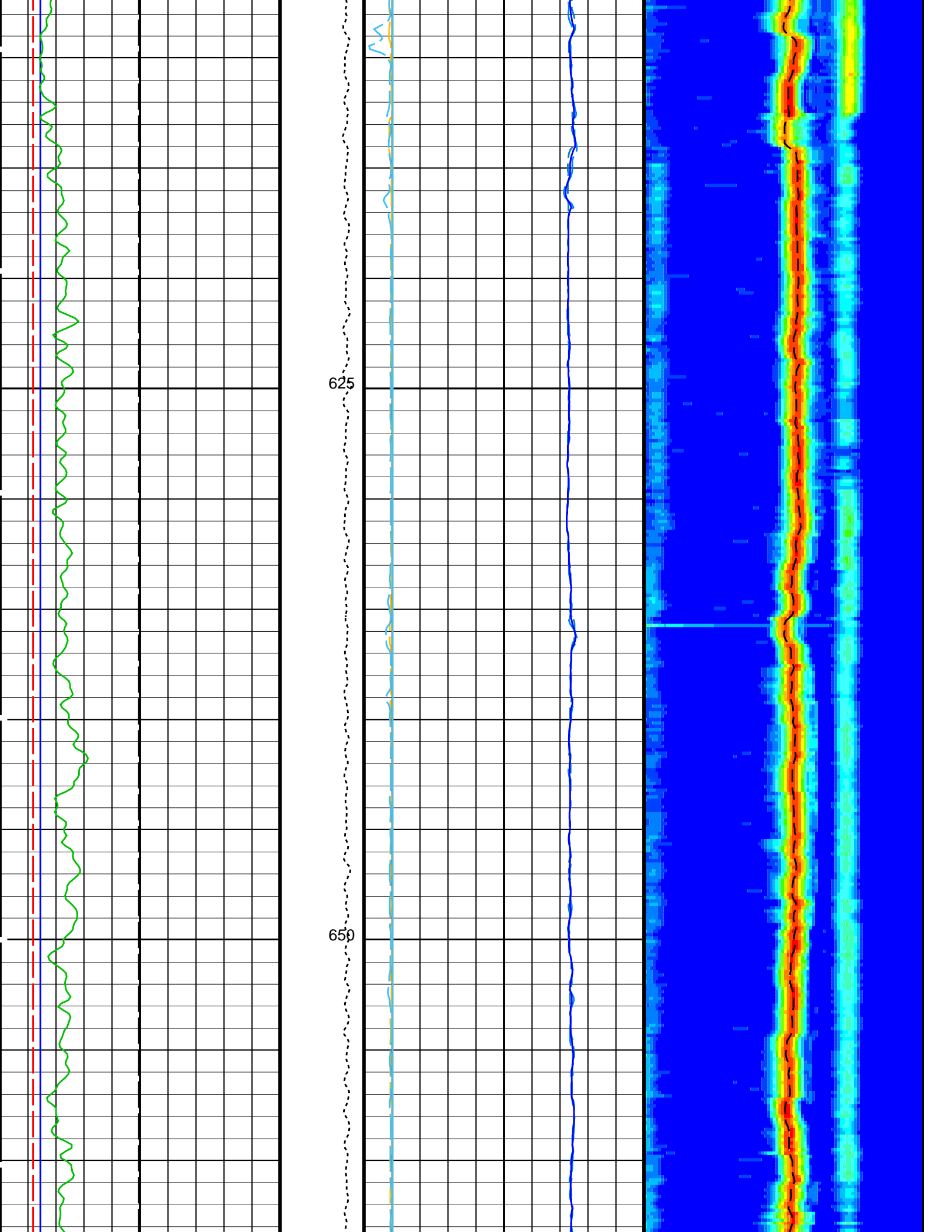
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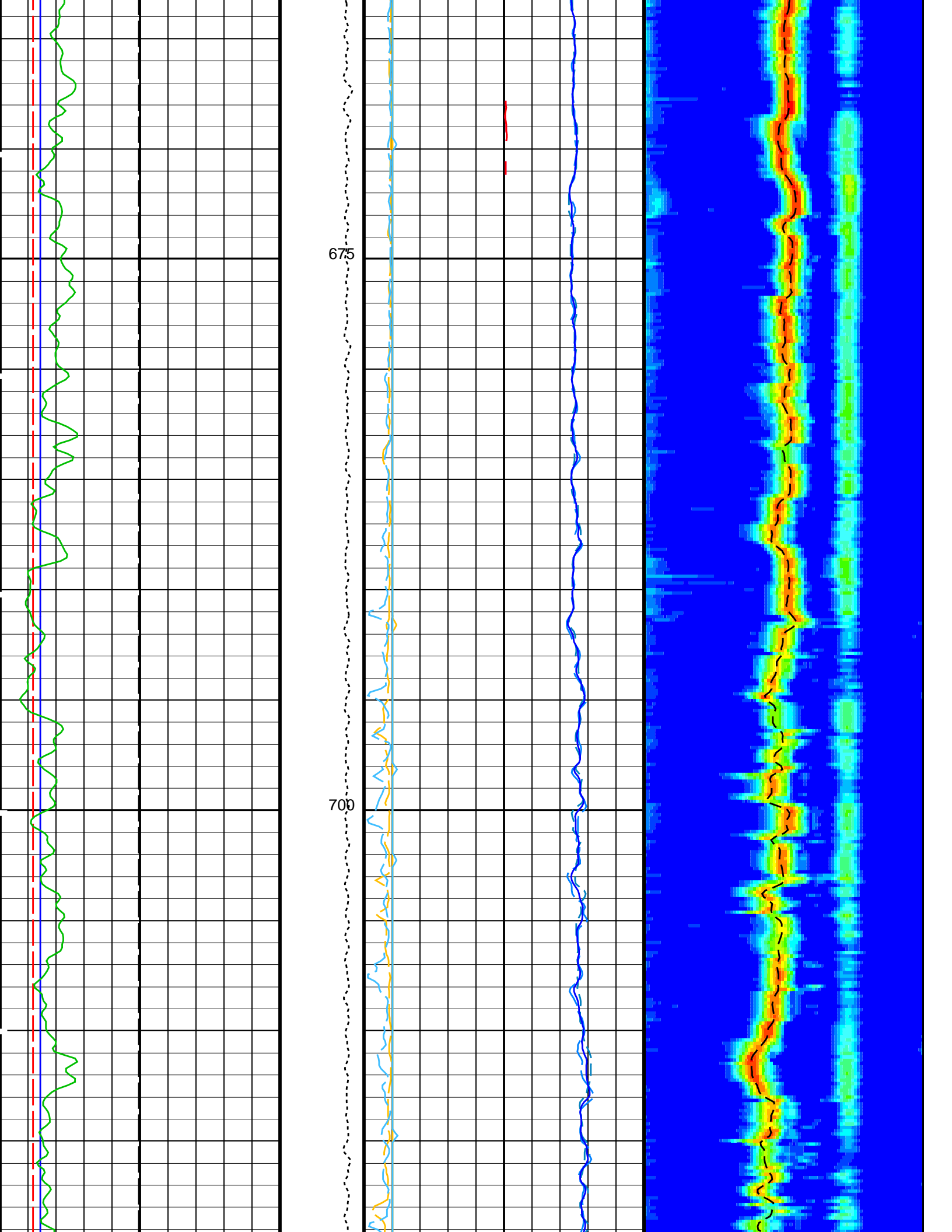
475

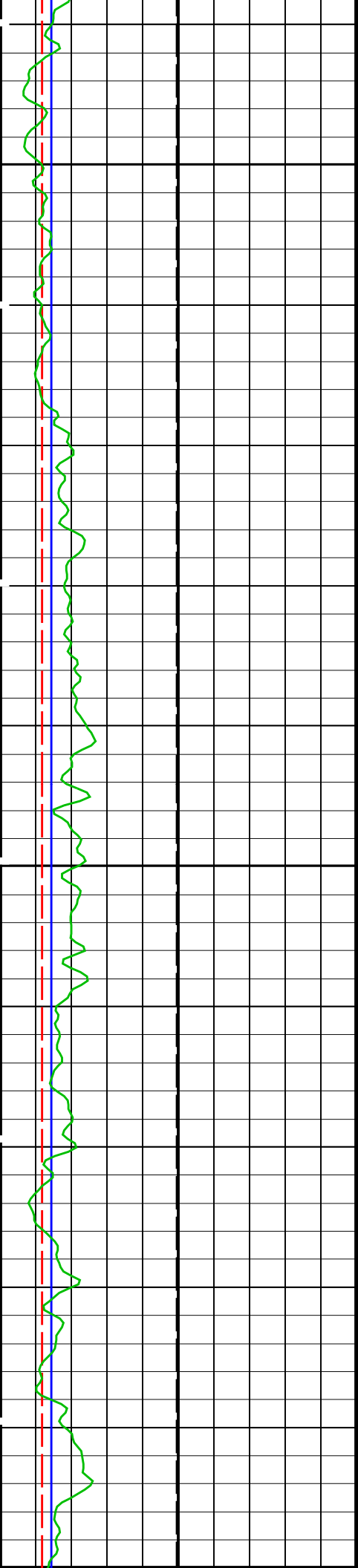








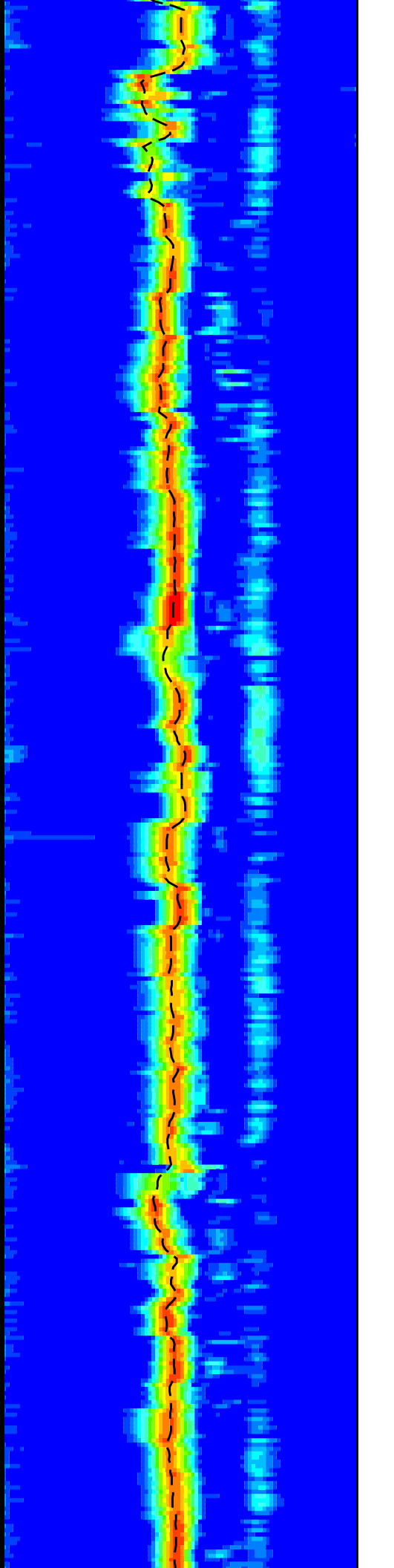
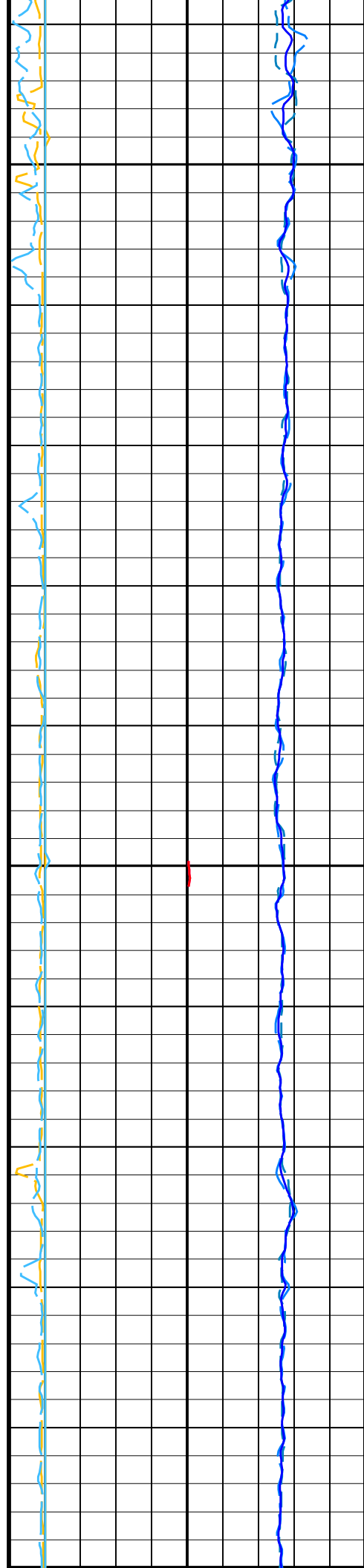


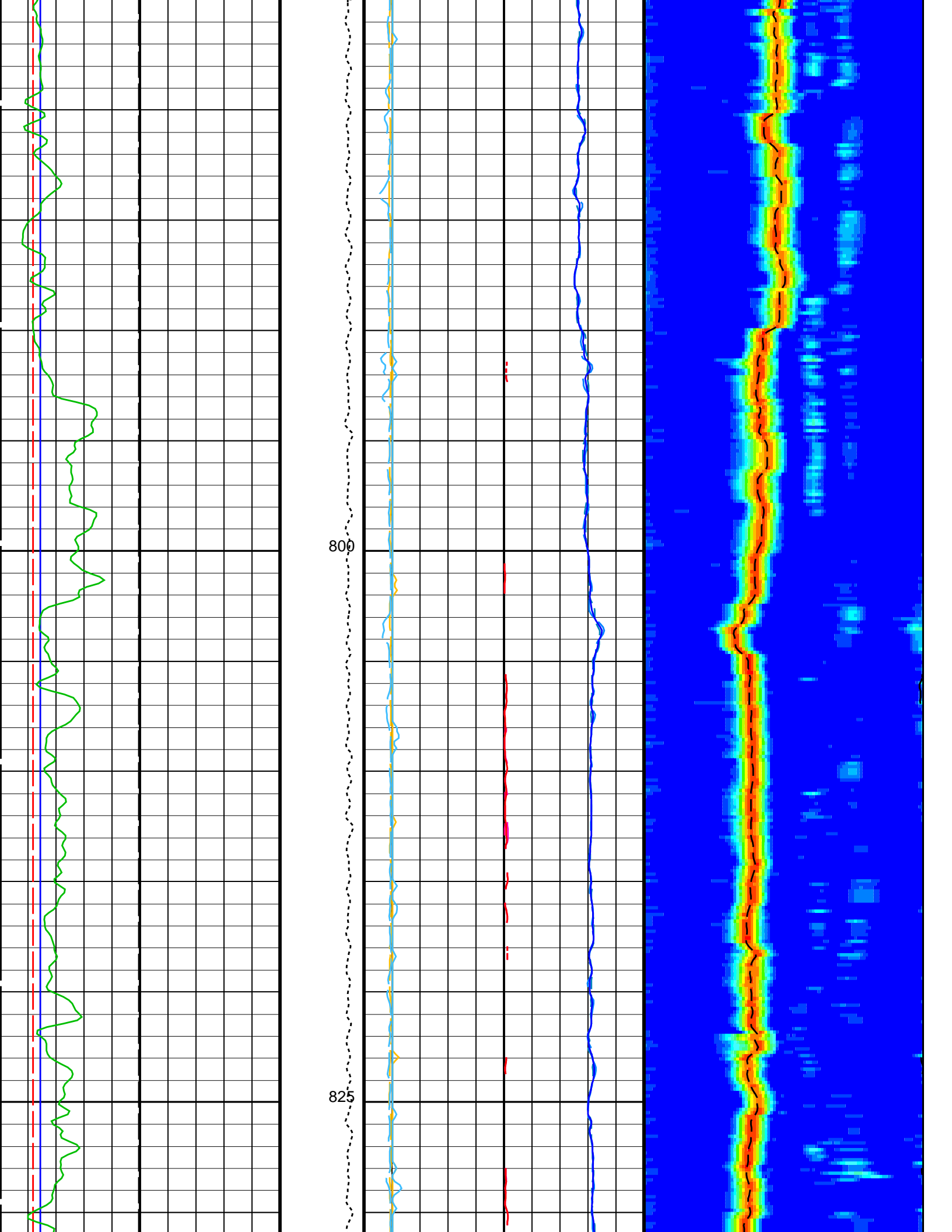


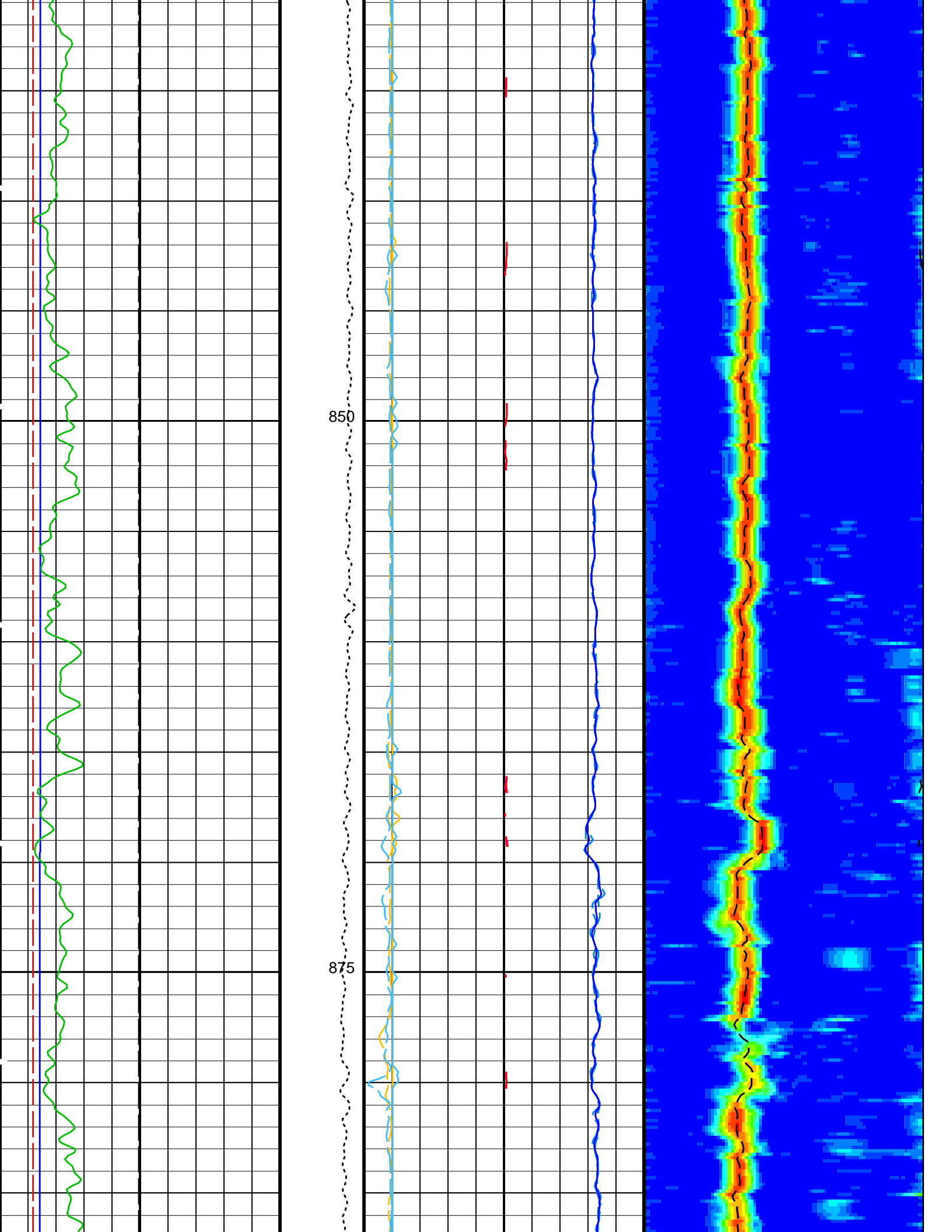
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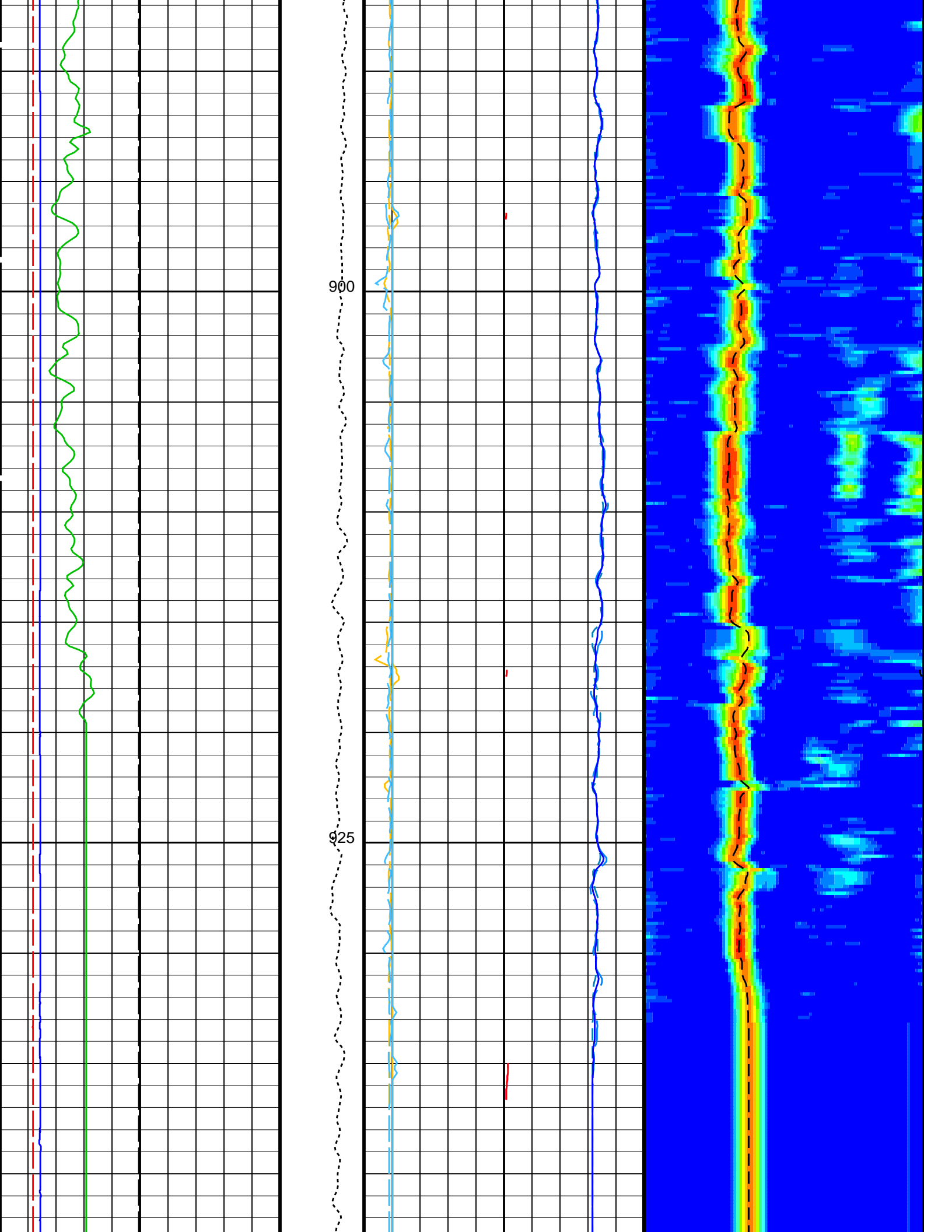
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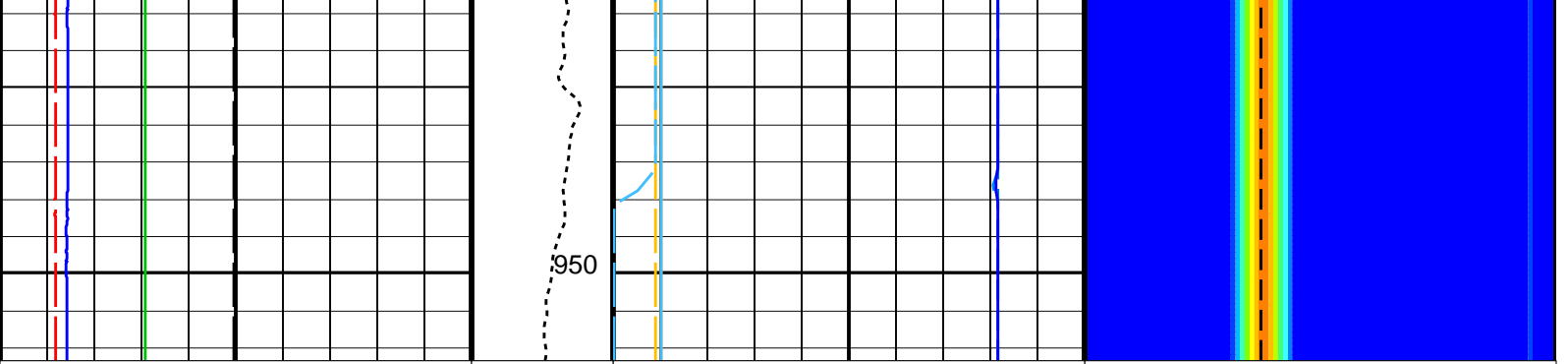
775











Bit Size (BS) (IN)	Tension (TENS) (LBF)	Peak Coherence / RA - P & S Comp (CHRP)	Delta-T Comp / RA - P & S (DTRP)
0 --- 20	0 --- 5000	0 --- 10	40 --- 240
Caliper 1 (C1) (IN)		Peak Coherence / TA - P & S Comp (CHTP)	Delta-T Shear / RA - P & S (DTRS)
0 --- 20		0 --- 10	40 --- 240
Caliper 2 (C2) (IN)		Peak Coherence / RA - P & S Shear (CHRS)	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)
0 --- 20		-1 --- 9	
Gamma Ray (GR_EDTC) (GAPI)		Peak Coherence / TA - P & S Shear (CHTS)	
0 --- 150		-1 --- 9	
		Delta-T Comp / RA - P & S (DTRP)	
		440 --- 40	
		Delta-T Comp / TA - P & S (DTTP)	
		440 --- 40	
		Delta-T Comp - P & S (DT4P)	
		440 --- 40	
		Delta-T Shear / RA - P & S (DTRS)	
		440 --- 40	
		Delta-T Shear / TA - P & S (DTTS)	
		440 --- 40	
		Delta-T Shear - P & S (DT4S)	
		440 --- 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	60 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	209 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	235	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	
	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	-2123.5	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 25-Apr-2014 04:25

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	8453
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_044LUP	PRODUCER	25-Apr-2014 03:46	3075.9 M	2098.5 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_047PUP	FN:57	PRODUCER	25-Apr-2014 04:25
CLIENT	FMS_DSI_NGS_047PUC	FN:58	CUSTOMER	25-Apr-2014 04:25



**Repeat Pass
1:200 Scale**

MAXIS Field Log

DEFAULT FMS_DSI_NGS_025LUP FN:28 PRODUCER 22-Apr-2014 20:12 3074.7 M 2750.5 M

Output DLIS Files

DEFAULT FMS_DSI_NGS_052PUP FN:67 PRODUCER 25-Apr-2014 04:57 951.0 M 627.6 M
 CLIENT FMS_DSI_NGS_052PUC FN:68 CUSTOMER 25-Apr-2014 04:57 951.0 M 627.6 M

OP System Version: 19C0-187

MEST-B 19C0-187 DTA-A 8453
 DSST-B 19C0-187 HNGC-B 19C0-187
 HNGS-BA 19C0-187 EDTC-B SKK-5169-EDTCB

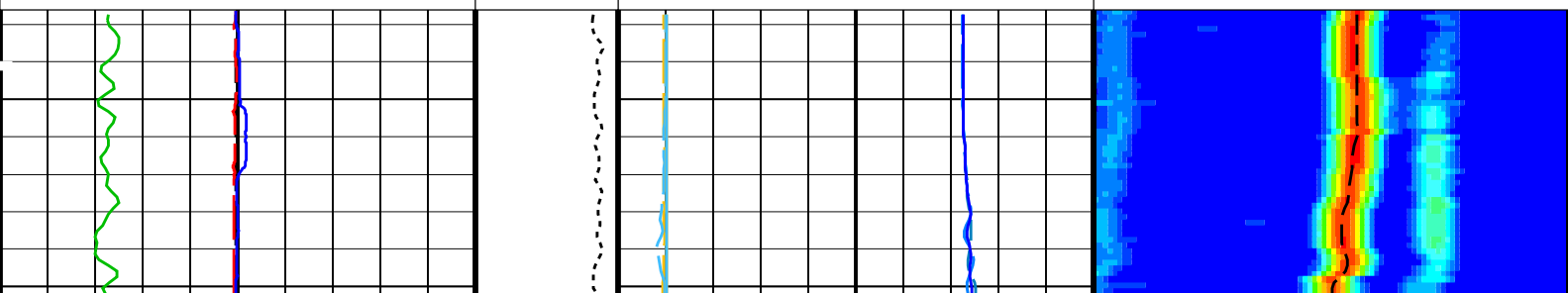
Changed Parameter Summary

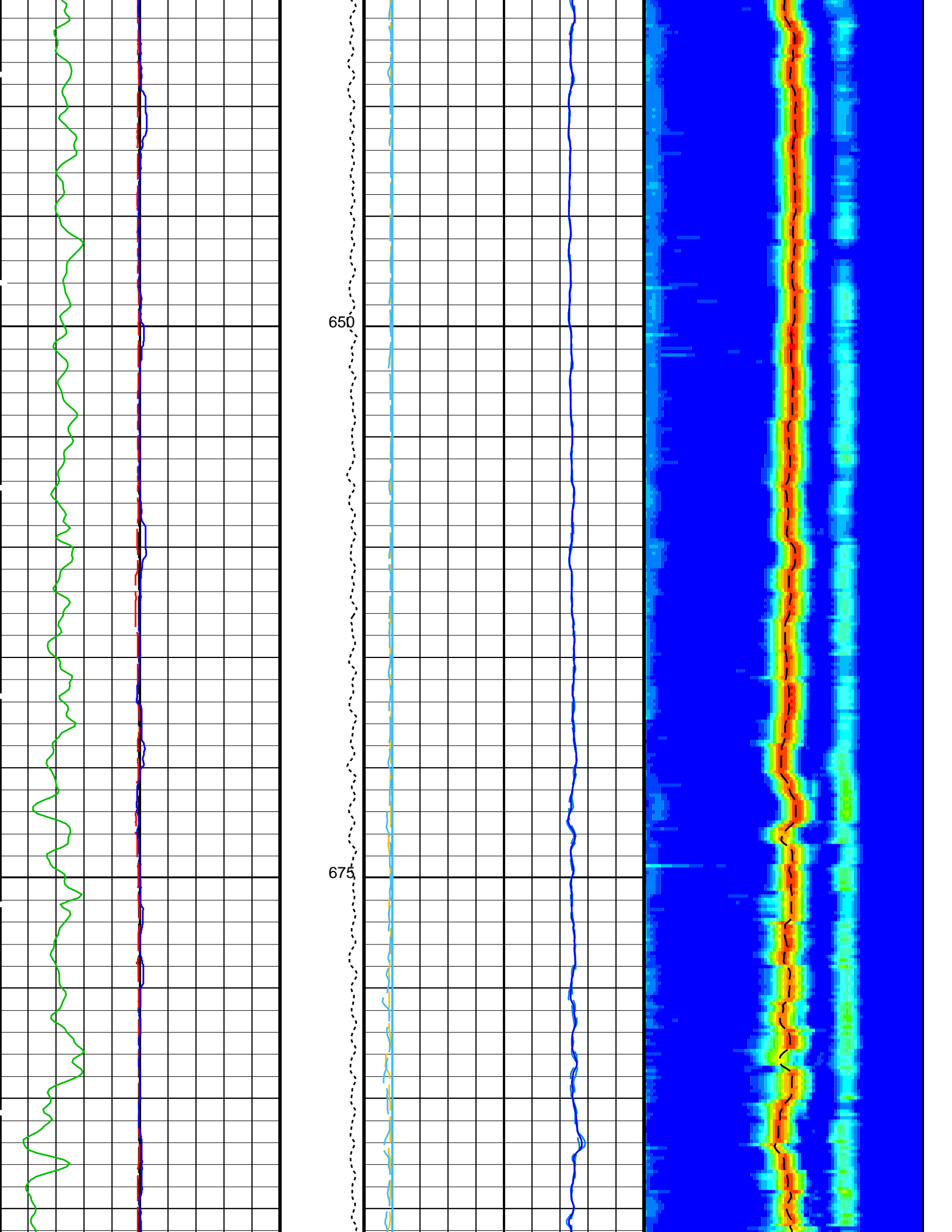
DLIS Name	New Value	Previous Value	Depth & Time
COLL	60 US/F	60 US/F	951.0 04:57:05
STLL	60 US/F	60 US/F	799.9 04:57:25
	180 US/F	180 US/F	951.0 04:57:05
	180 US/F	180 US/F	799.9 04:57:25

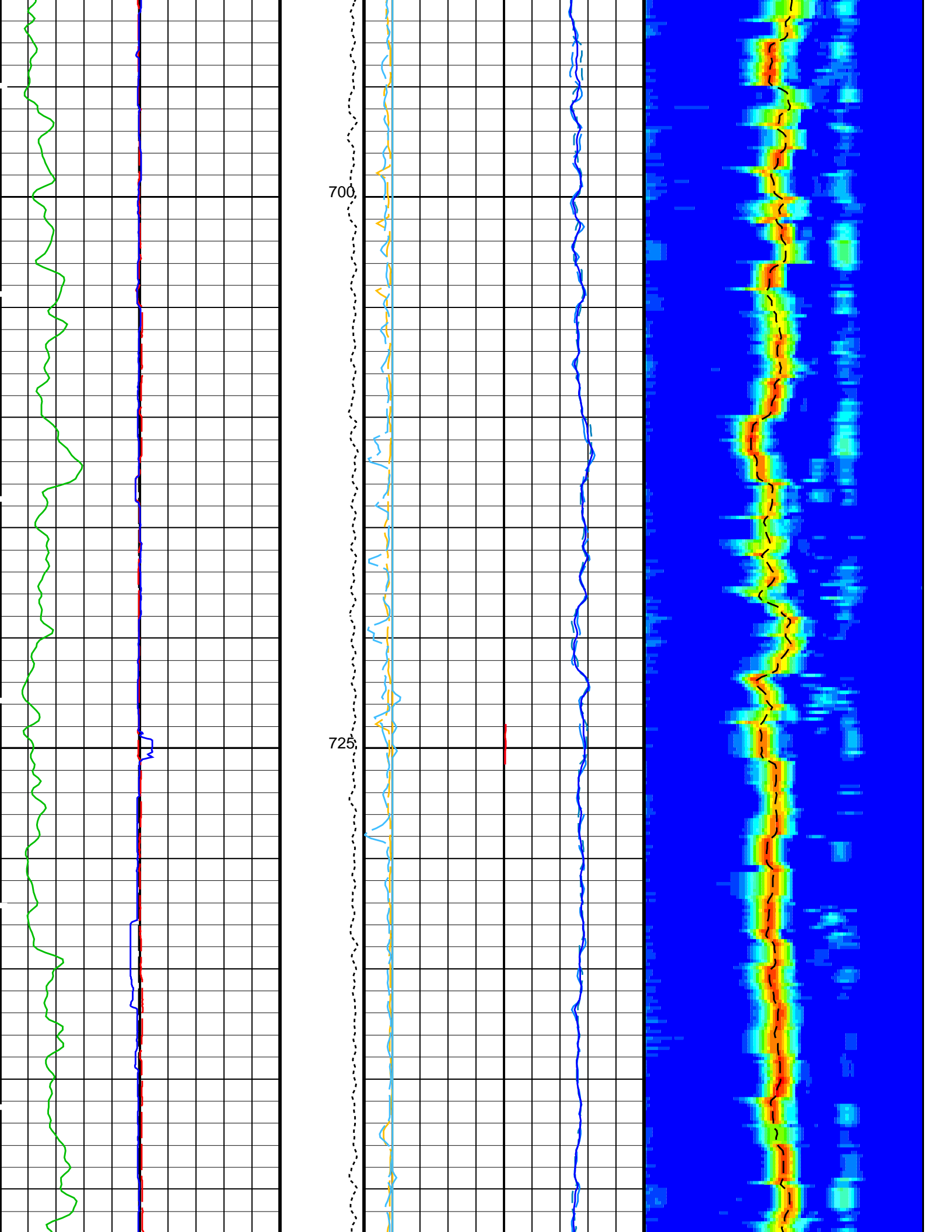
PIP SUMMARY

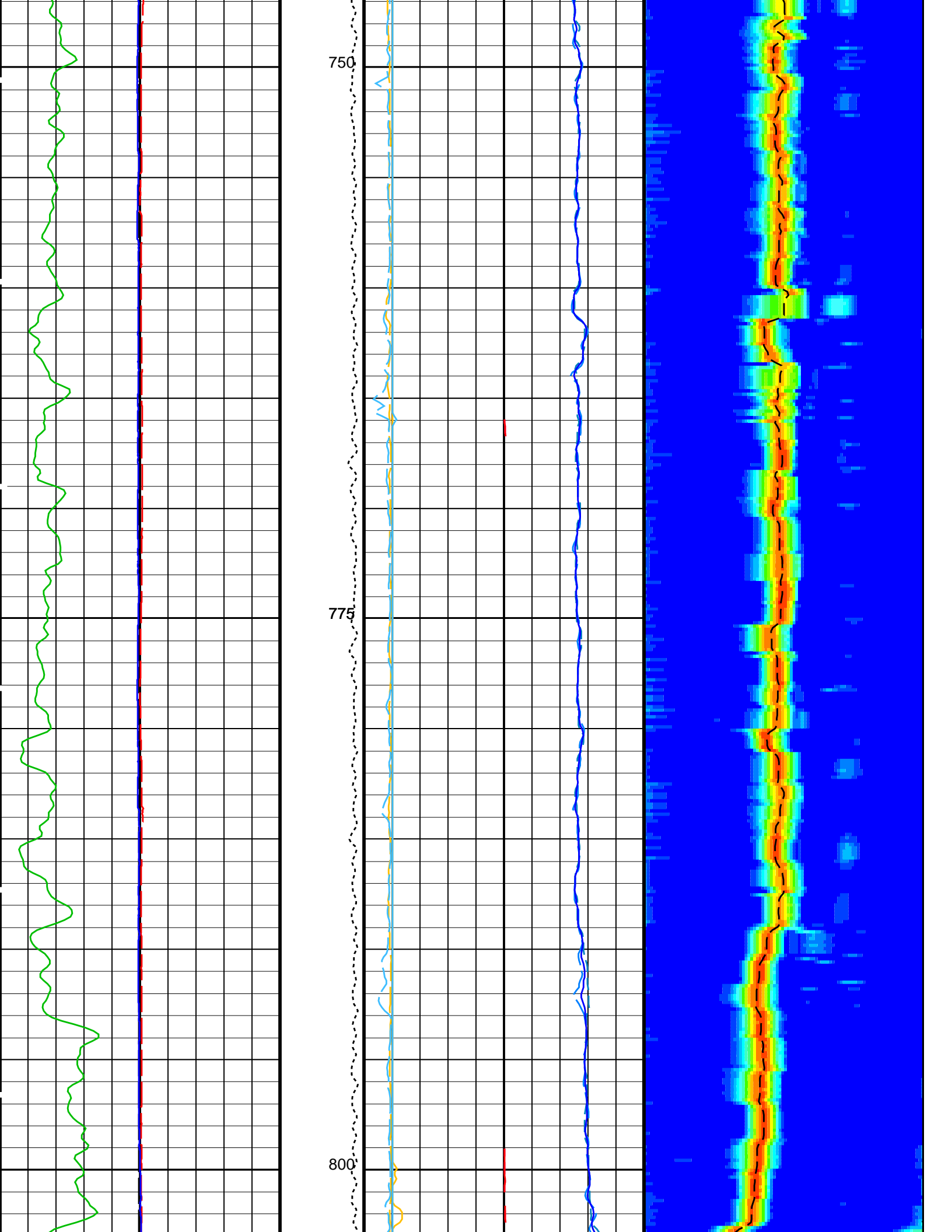
Time Mark Every 60 S

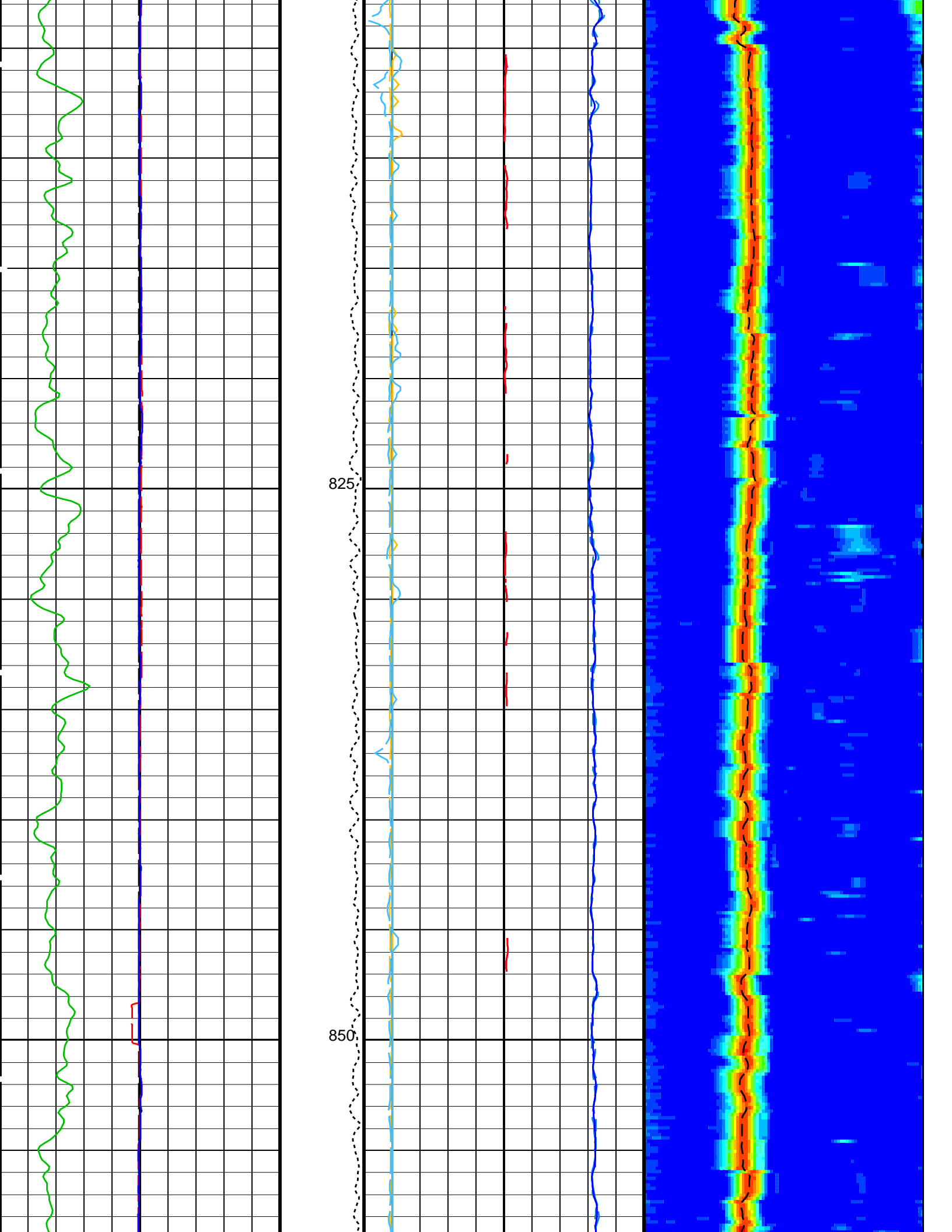
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		Delta-T Shear / TA - P & S (DTTS) 440 (US/F) 40	
		Delta-T Shear / RA - P & S (DTRS) 440 (US/F) 40	
		Delta-T Comp - P & S (DT4P) 440 (US/F) 40	
		Delta-T Comp / TA - P & S (DTTP) 440 (US/F) 40	
		Delta-T Comp / RA - P & S (DTRP) 440 (US/F) 40	
Gamma Ray (GR_EDTC) 0 (GAPI) 150		Peak Coherence / TA - P & S Shear (CHTS) -1 (----) 9	
Caliper 2 (C2) 0 (IN) 20		Peak Coherence / RA - P & S Shear (CHRS) -1 (----) 9	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240
Caliper 1 (C1) 0 (IN) 20		Peak Coherence / TA - P & S Comp (CHTP) 0 (----) 10	Delta-T Shear / RA - P & S (DTRS) 40 (US/F) 240
Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	Peak Coherence / RA - P & S Comp (CHRP) 0 (----) 10	Delta-T Comp / RA - P & S (DTRP) 40 (US/F) 240

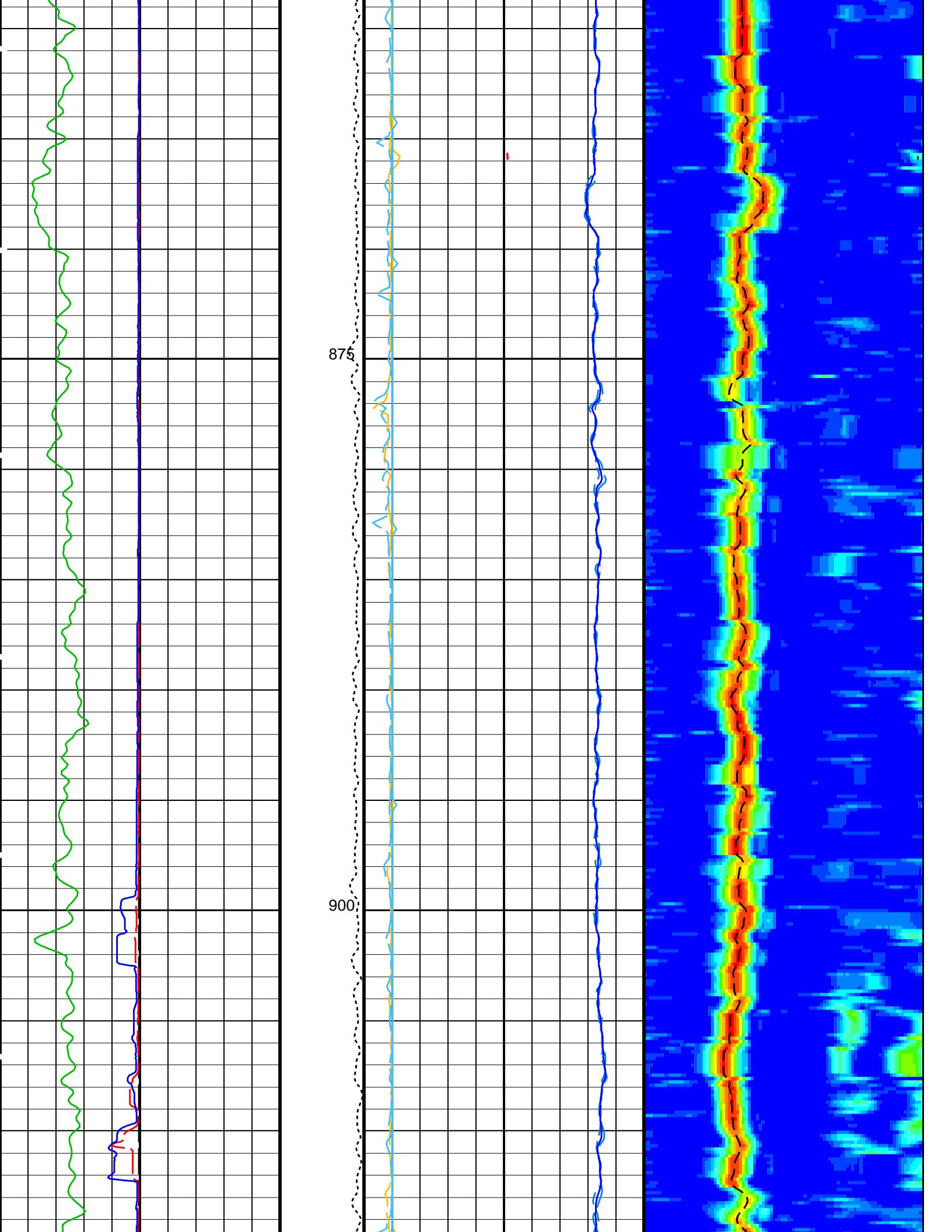


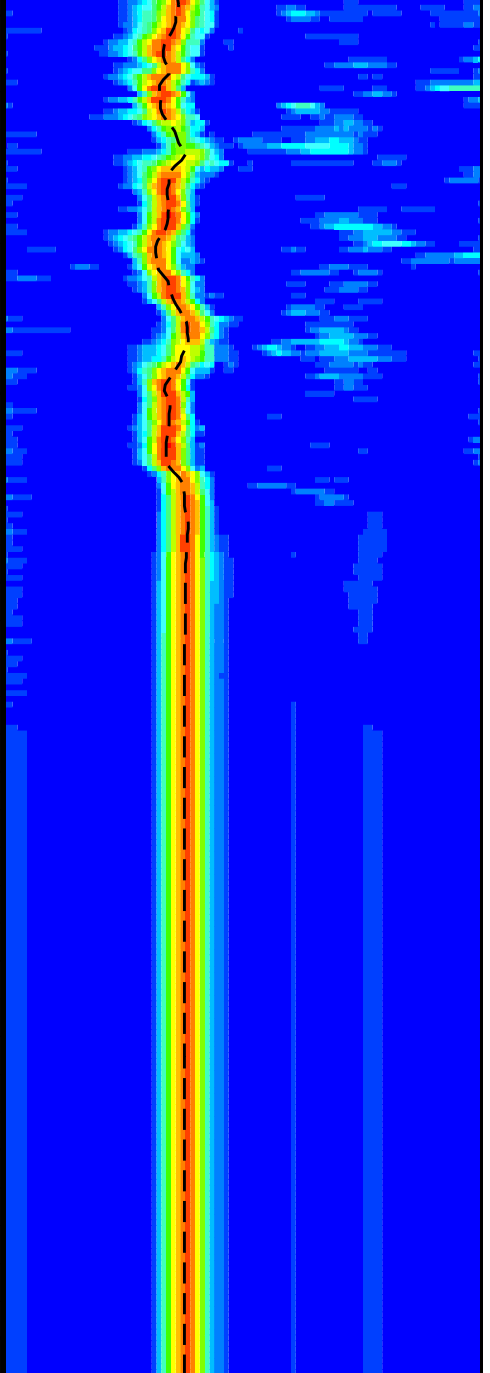
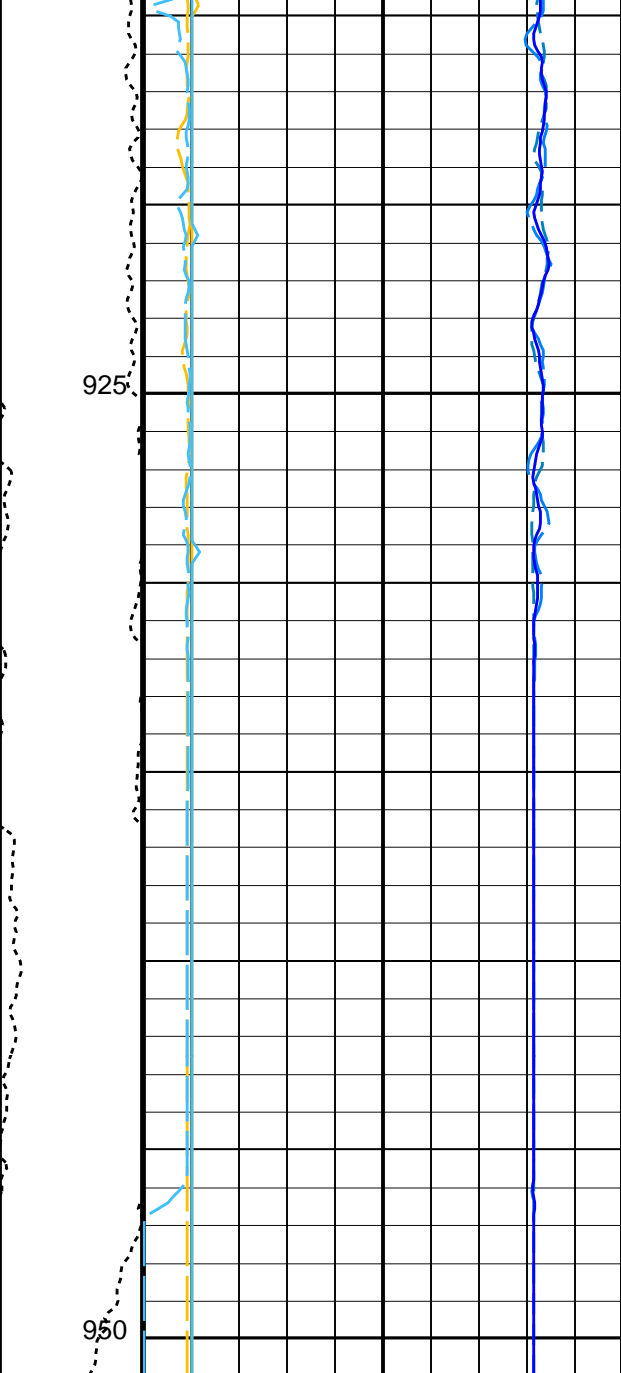
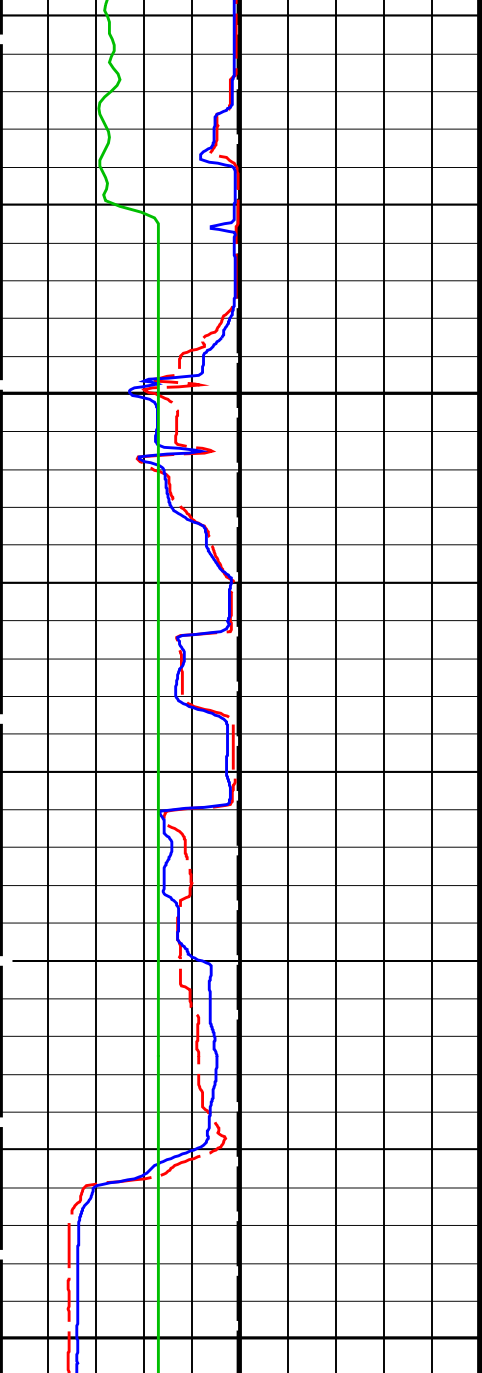












Bit Size (BS)
(IN) 0 20

Tension (TENS)
(LBF) 0 5000

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

Caliper 1 (C1)
(IN) 0 20

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

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

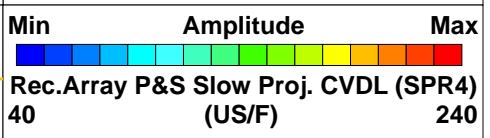
Caliper 2 (C2)
(IN) 0 20

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

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

Gamma Ray (GR_EDTC)
(GAPI) 0 150

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



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

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

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

440	(US/F)	40
<u>Delta-T Shear / RA - P & S (DTRS)</u>		
440	(US/F)	40
<u>Delta-T Shear / TA - P & S (DTTS)</u>		
440	(US/F)	40
<u>Delta-T Shear - P & S (DT4S)</u>		
440	(US/F)	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	60 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	209 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	235 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
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	-2122.9 M
PP	Playback Processing	RECOMPUTE

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_NGS_025LUP	FN:28	PRODUCER	22-Apr-2014 20:12	3074.7 M	2750.5 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_052PUP	FN:67	PRODUCER	25-Apr-2014 04:57		
CLIENT	FMS_DSI_NGS_052PUC	FN:68	CUSTOMER	25-Apr-2014 04:57		



Main Pass 1:200 Scale

MAXIS Field Log

Company: Lamont Doherty Earth Observatory Well: Expedition 350, Site U1437D

Input DLIS Files

DEFAULT	FMS_DSI_NGS_026LUP	FN:30	PRODUCER	22-Apr-2014 21:11	3070.1 M	2260.1 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_050PUP	FN:63	PRODUCER	25-Apr-2014 04:51	946.4 M	137.5 M
CLIENT	FMS_DSI_NGS_050PUC	FN:64	CUSTOMER	25-Apr-2014 04:51	946.4 M	137.5 M

OP System Version: 19C0-187

MEST-B	19C0-187	DTA-A	8453
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

Changed Parameter Summary

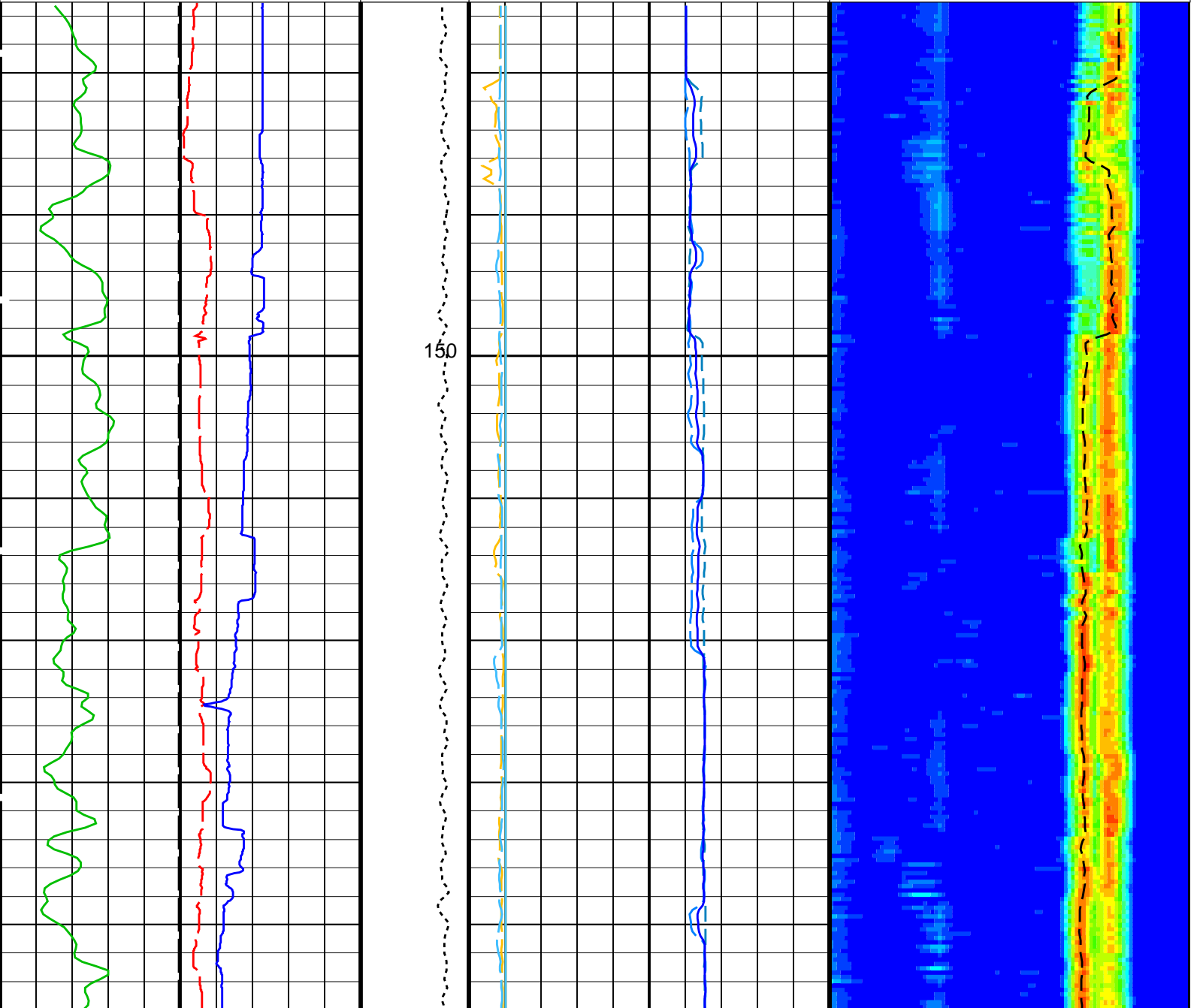
DLIS Name	New Value	Previous Value	Depth & Time
COLL	60 US/F	100 US/F	946.4 04:51:04
	60 US/F	60 US/F	799.9 04:51:22
	100 US/F	60 US/F	219.9 04:52:37
STLL	180 US/F	300 US/F	946.4 04:51:04
	180 US/F	180 US/F	799.9 04:51:22
	300 US/F	180 US/F	219.9 04:52:37

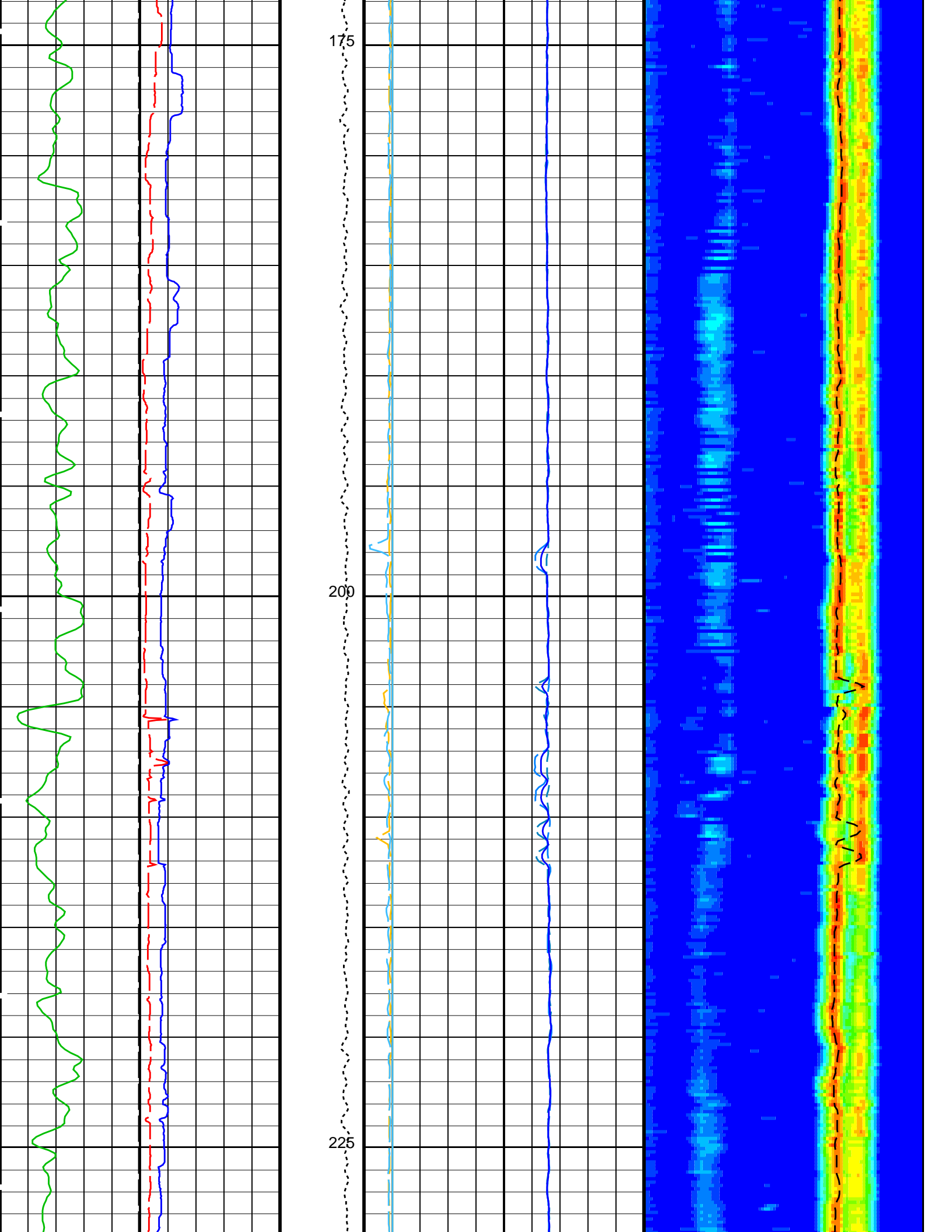
PIP SUMMARY

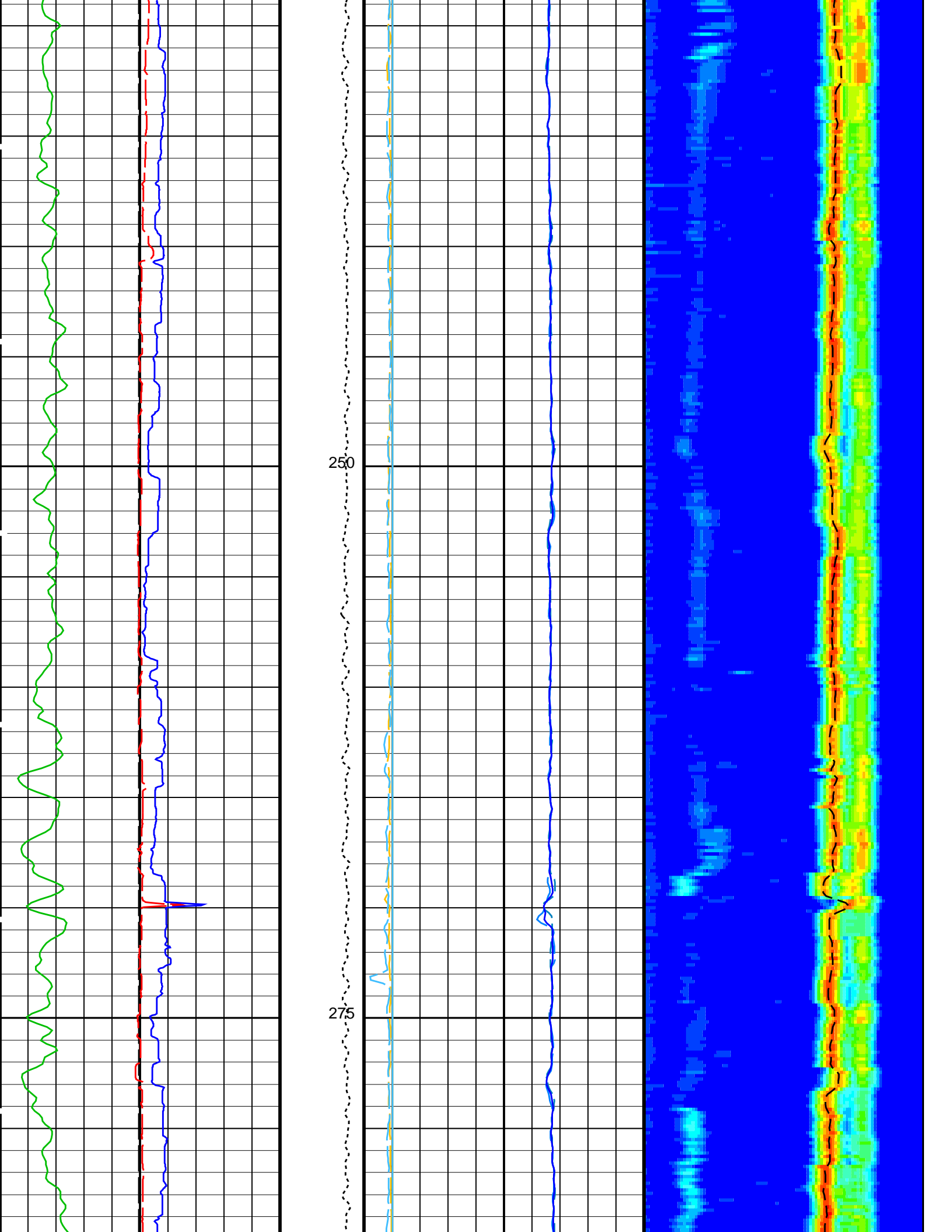
Time Mark Every 60 S

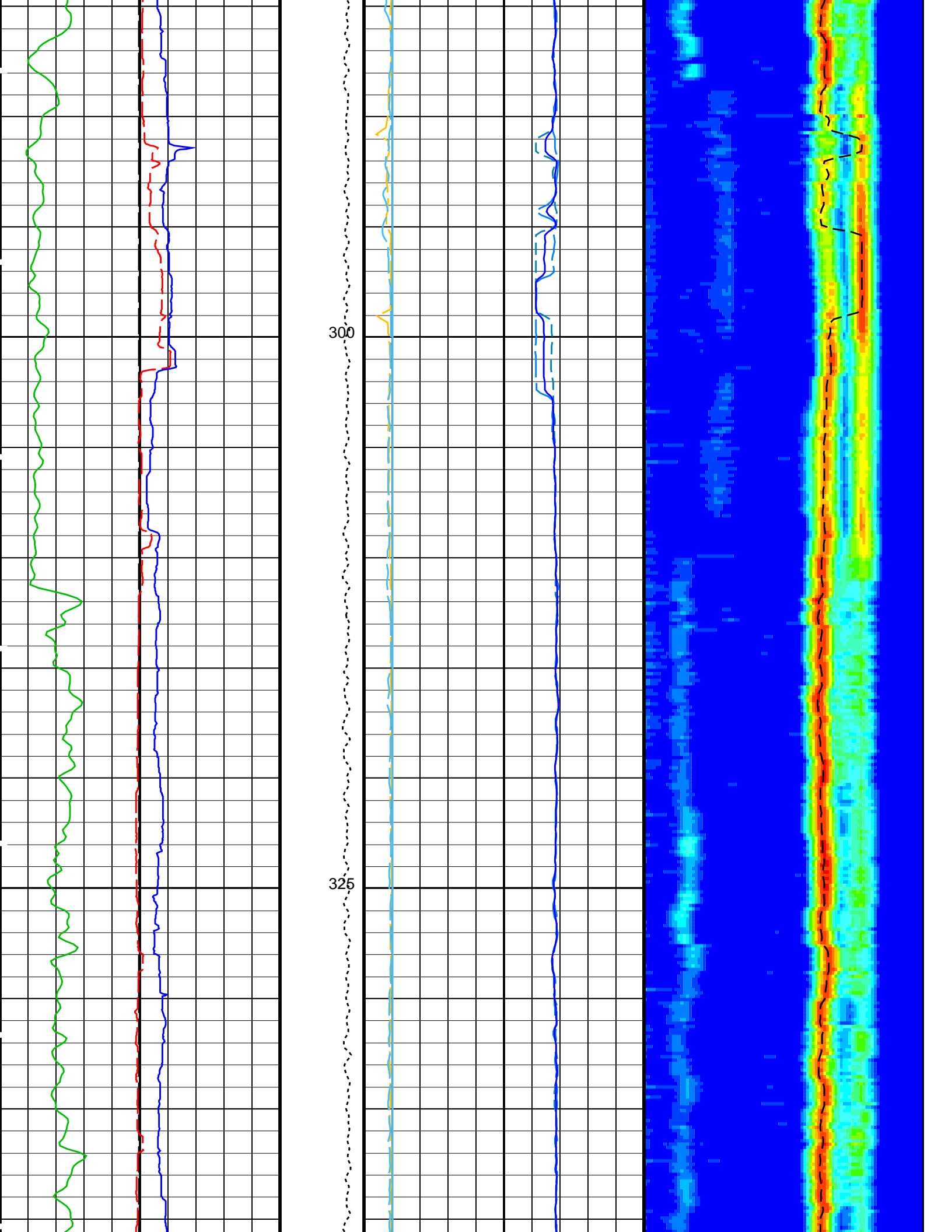
Delta-T Shear - P & S (DT4S)		
440	(US/F)	40
Delta-T Shear / TA - P & S (DTTS)		
440	(US/F)	40
Delta-T Shear / RA - P & S (DTRS)		
440	(US/F)	40

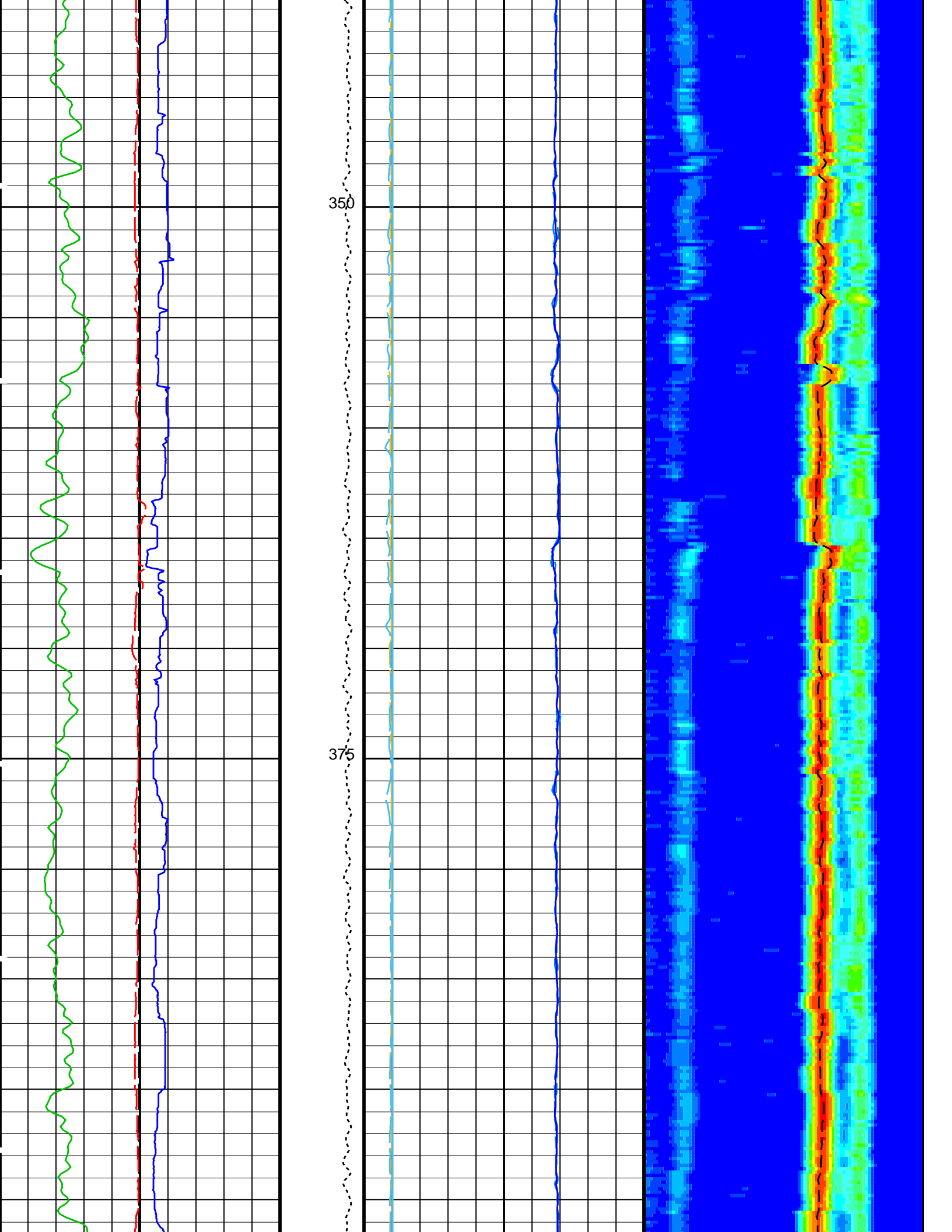
	Delta-T Comp - P & S (DT4P) 440 (US/F) 40	
	Delta-T Comp / TA - P & S (DTTP) 440 (US/F) 40	
	Delta-T Comp / RA - P & S (DTRP) 440 (US/F) 40	
Gamma Ray (GR_EDTC) 0 (GAPI) 150	Peak Coherence / TA - P & S Shear (CHTS) -1 (----) 9	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) 40 (US/F) 240
Caliper 2 (C2) 0 (IN) 20	Peak Coherence / RA - P & S Shear (CHRS) -1 (----) 9	
Caliper 1 (C1) 0 (IN) 20	Peak Coherence / TA - P & S Comp (CHTP) 0 (----) 10	Delta-T Shear / RA - P & S (DTRS) 40 (US/F) 240
Bit Size (BS) 0 (IN) 20	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	

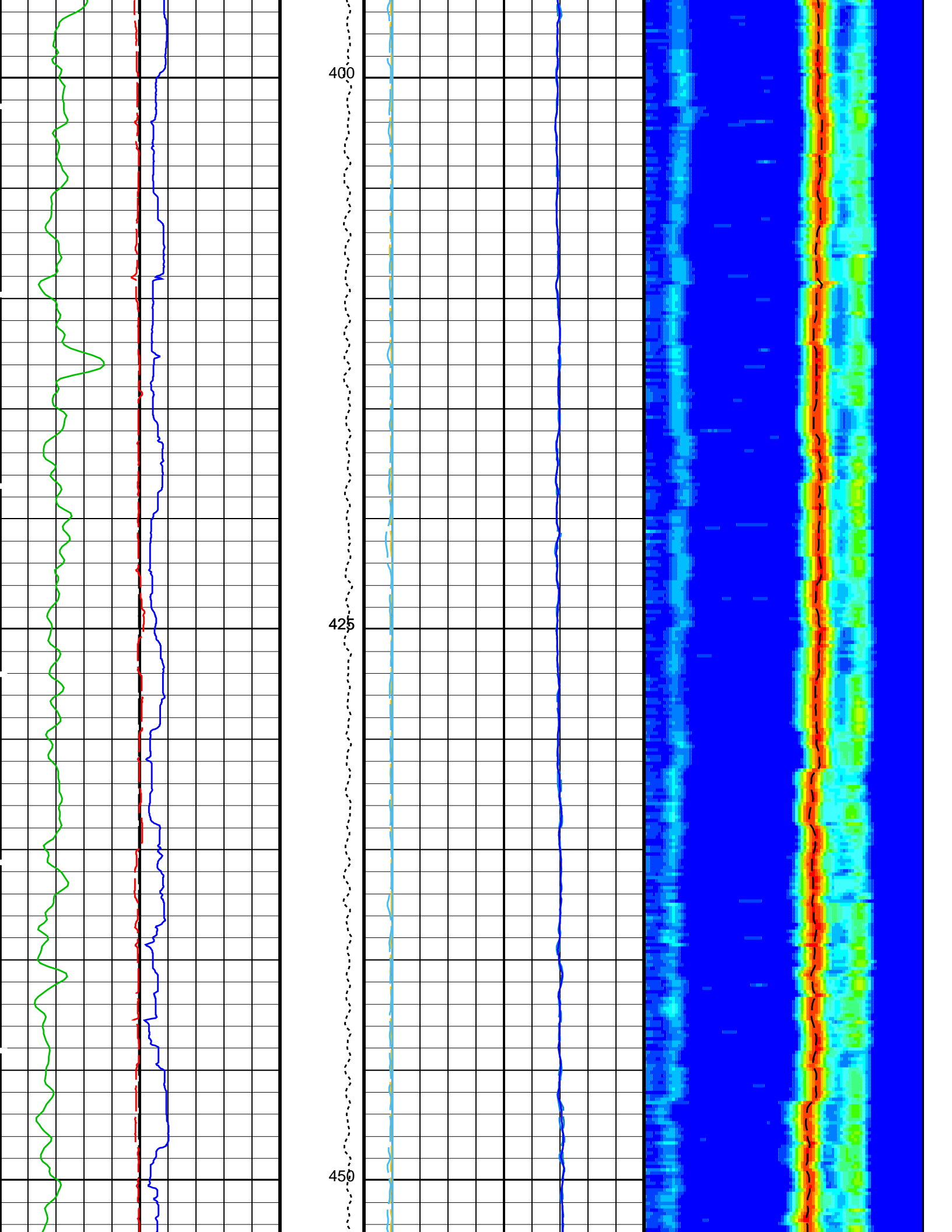


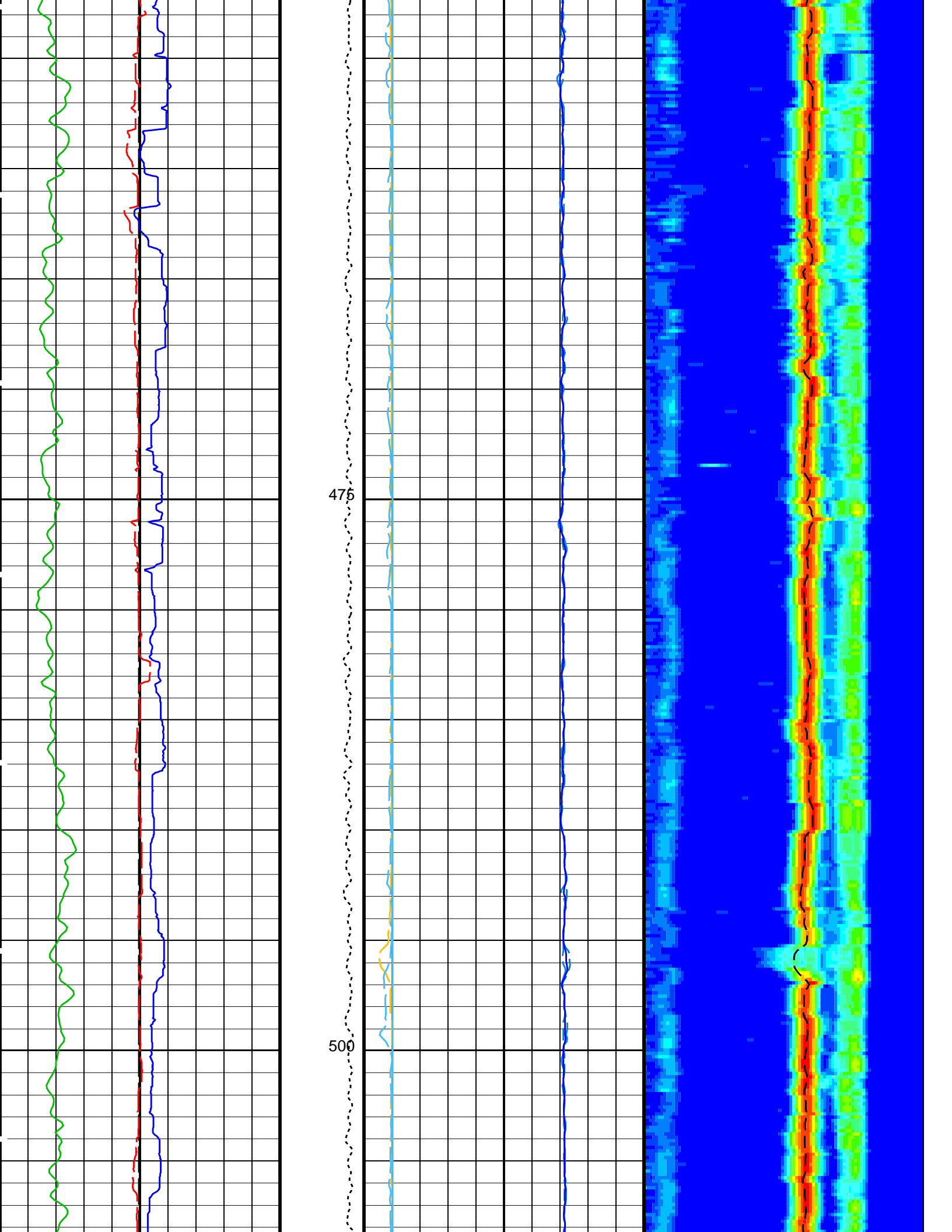


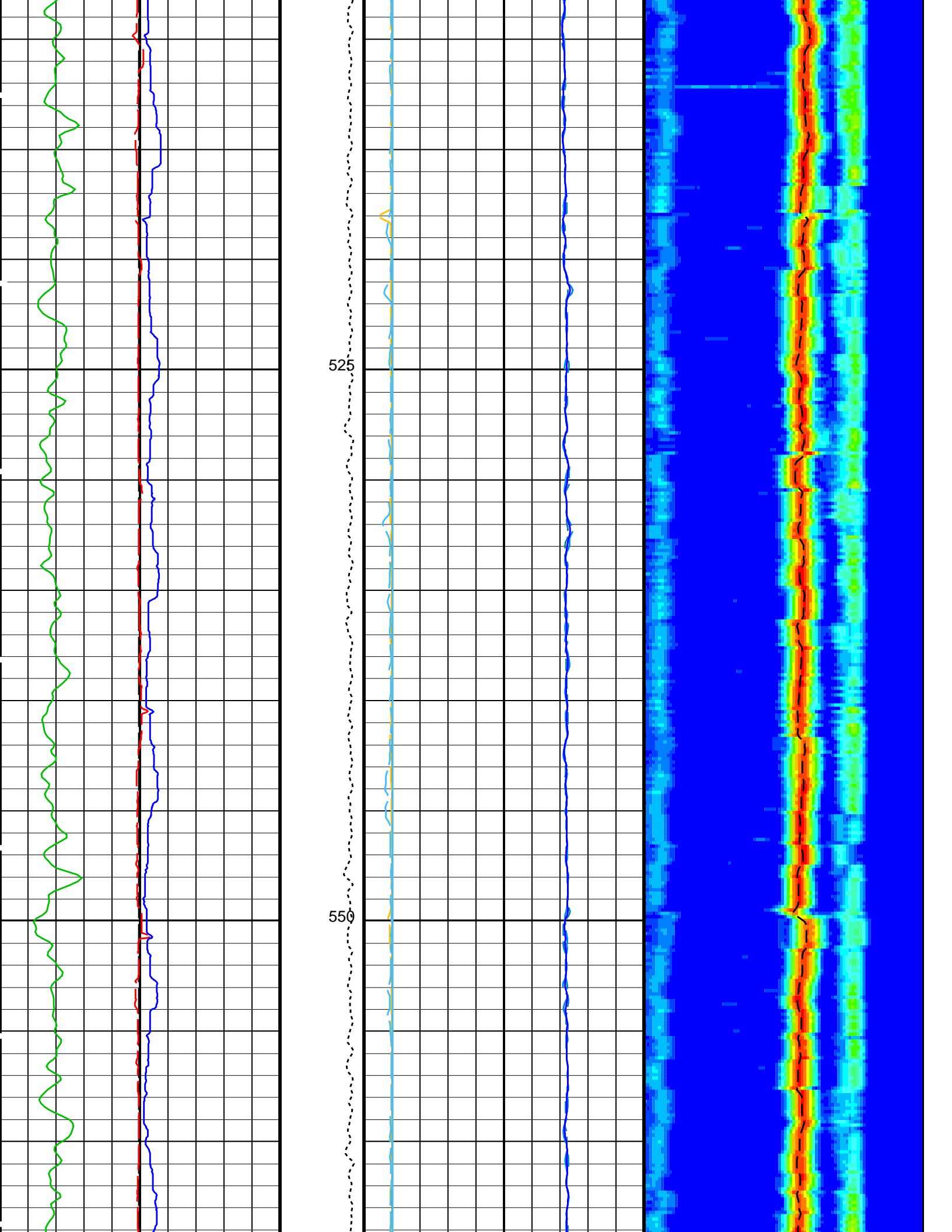


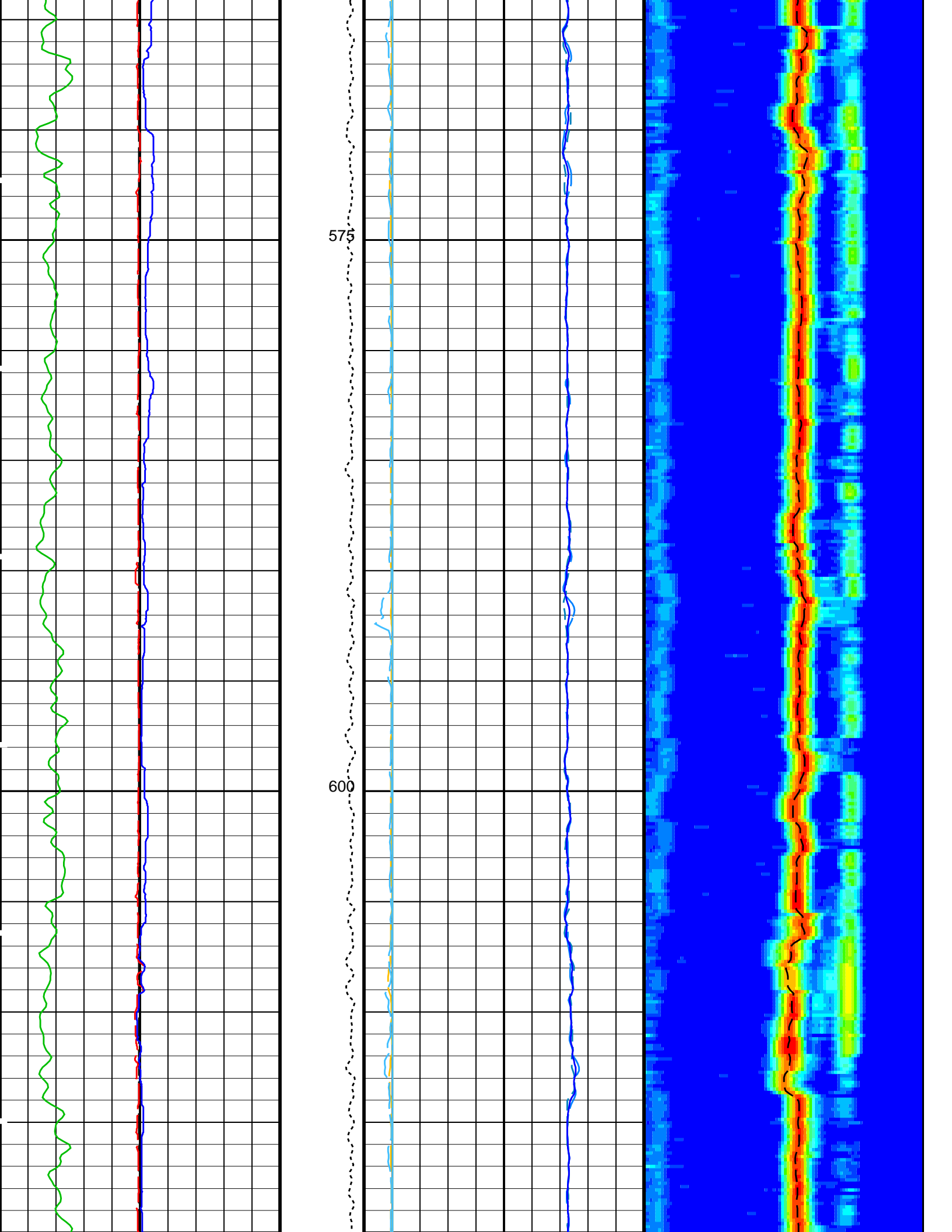


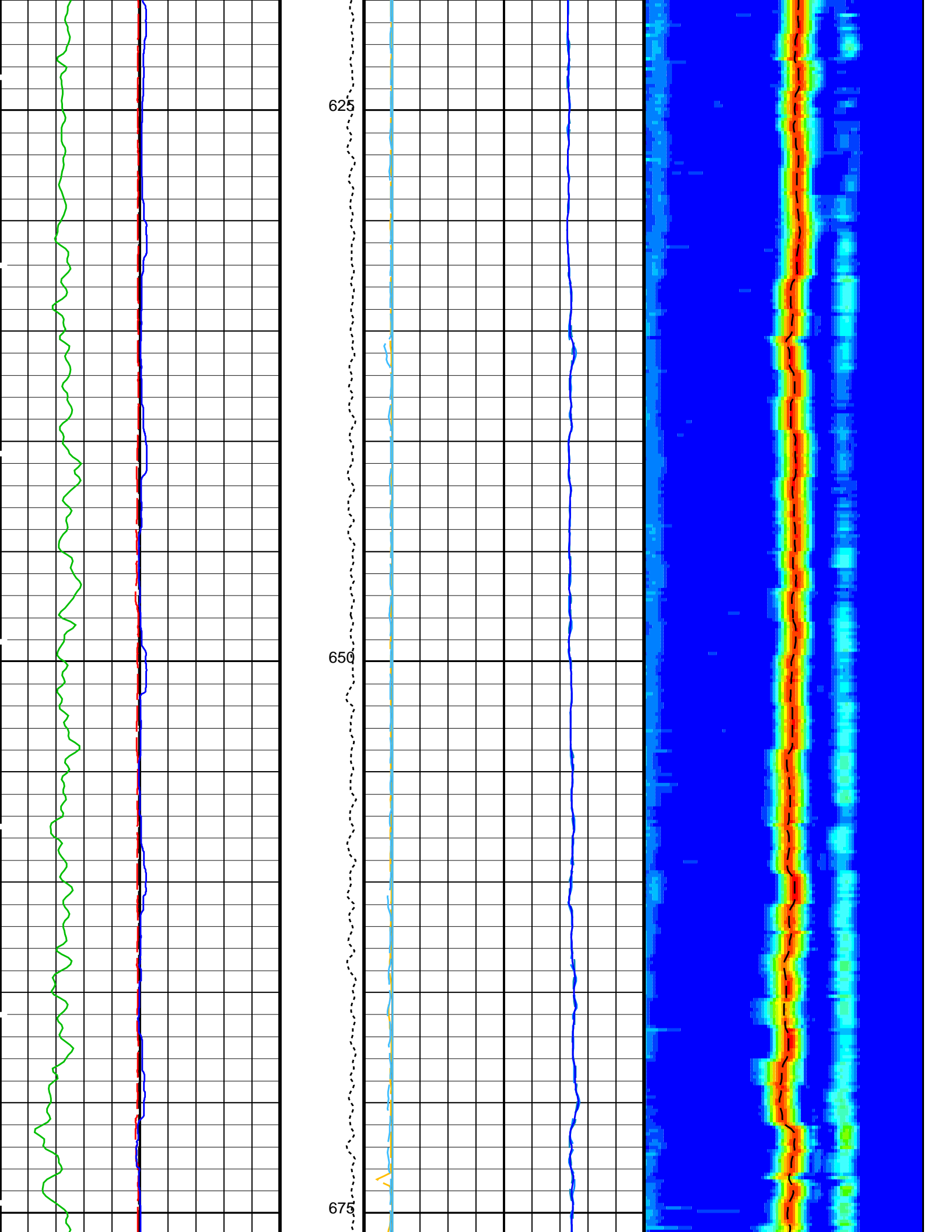


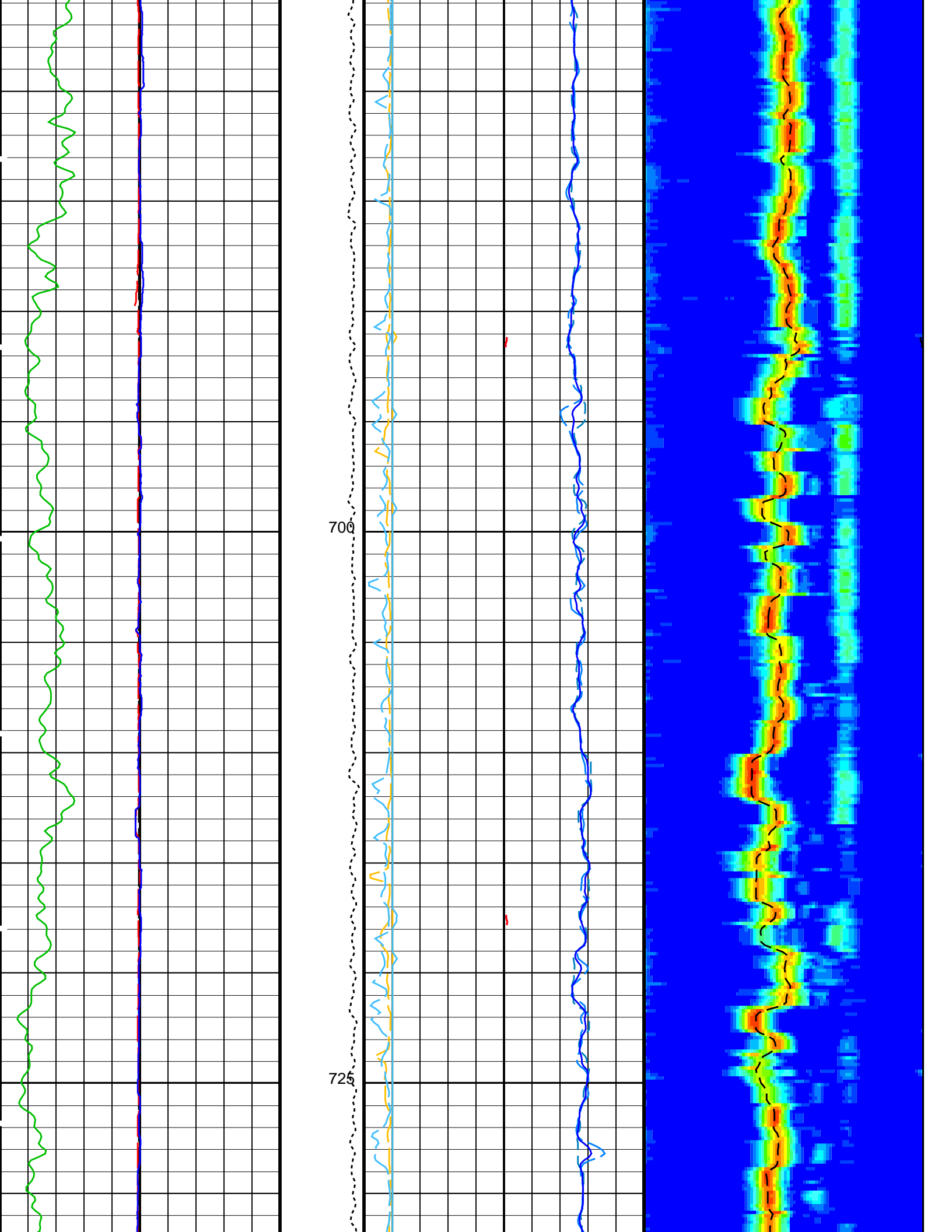


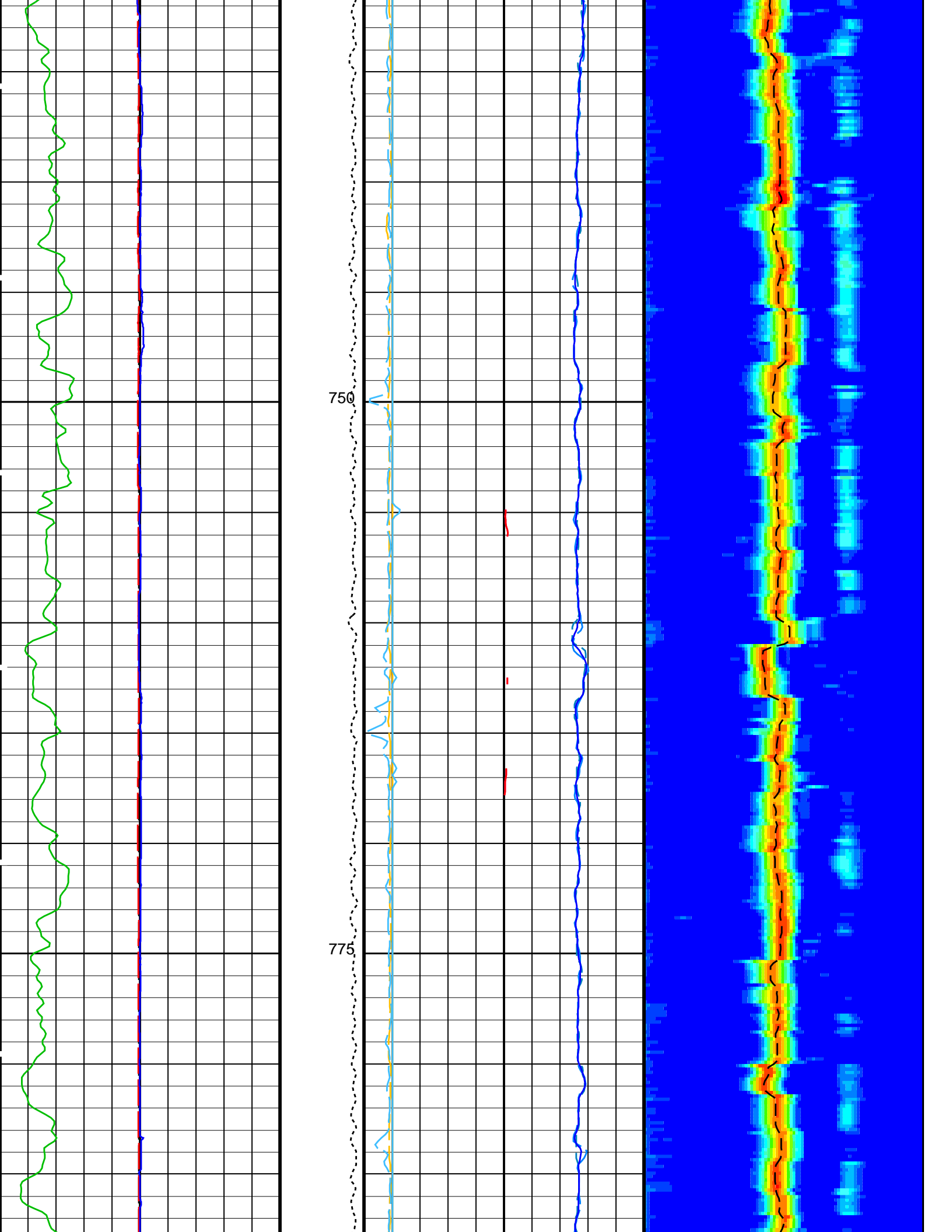


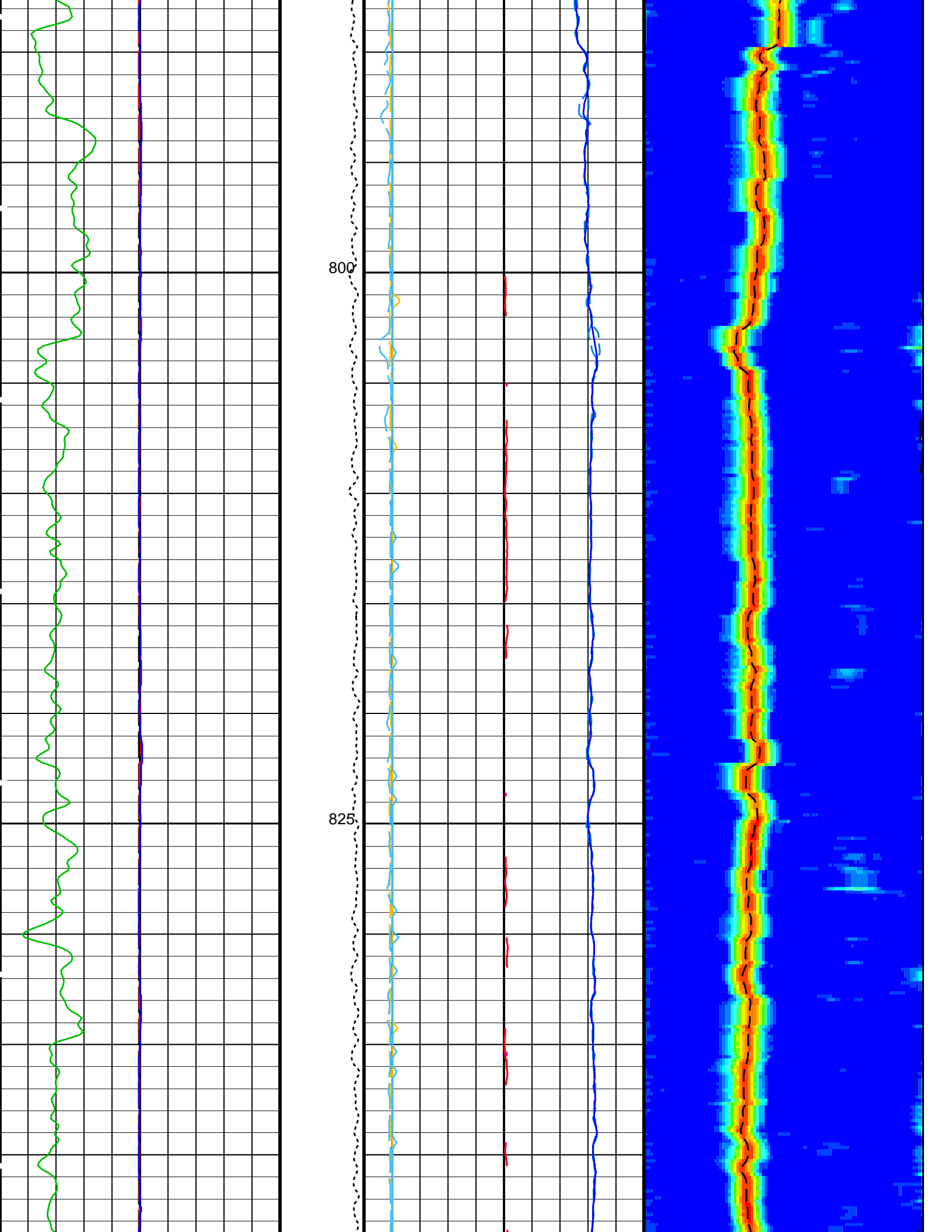


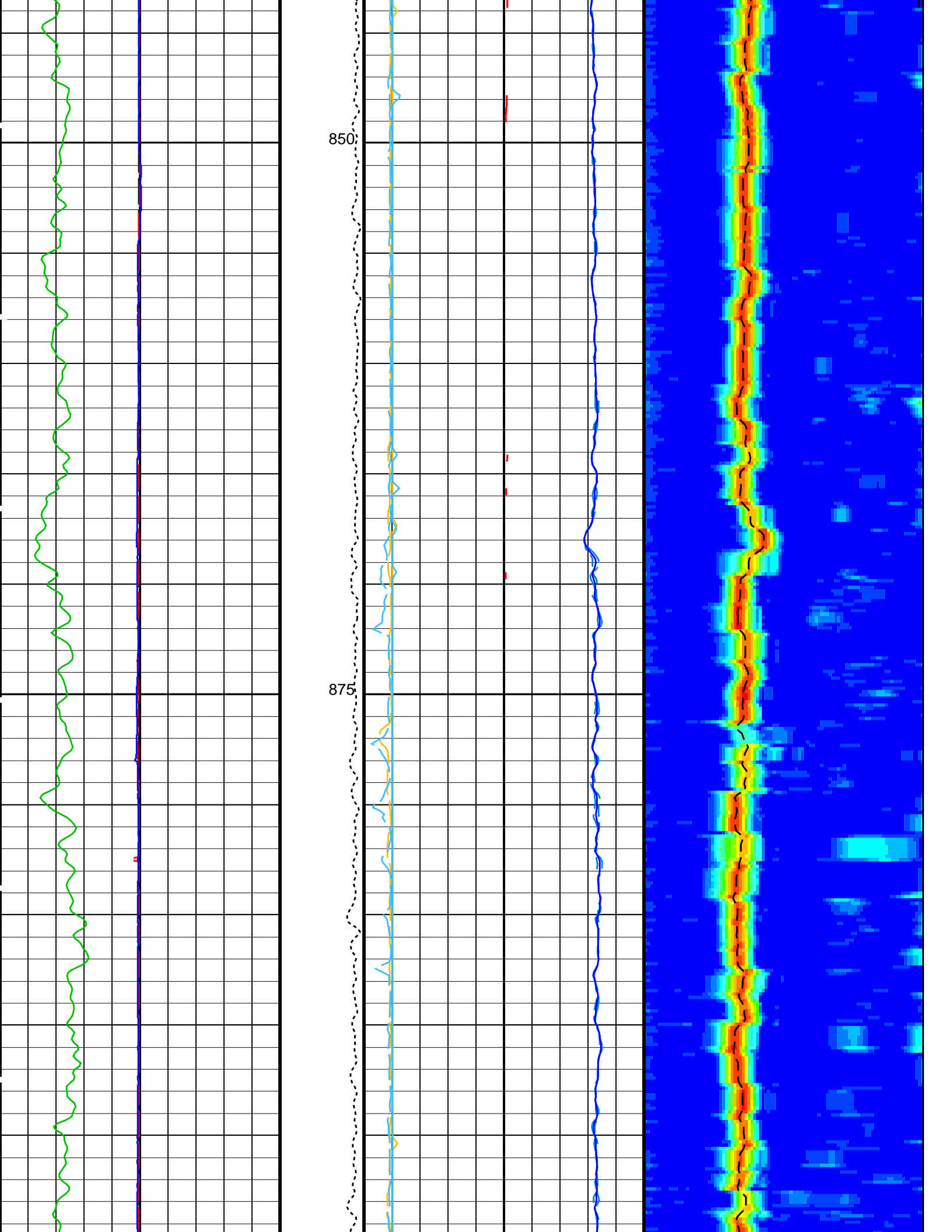


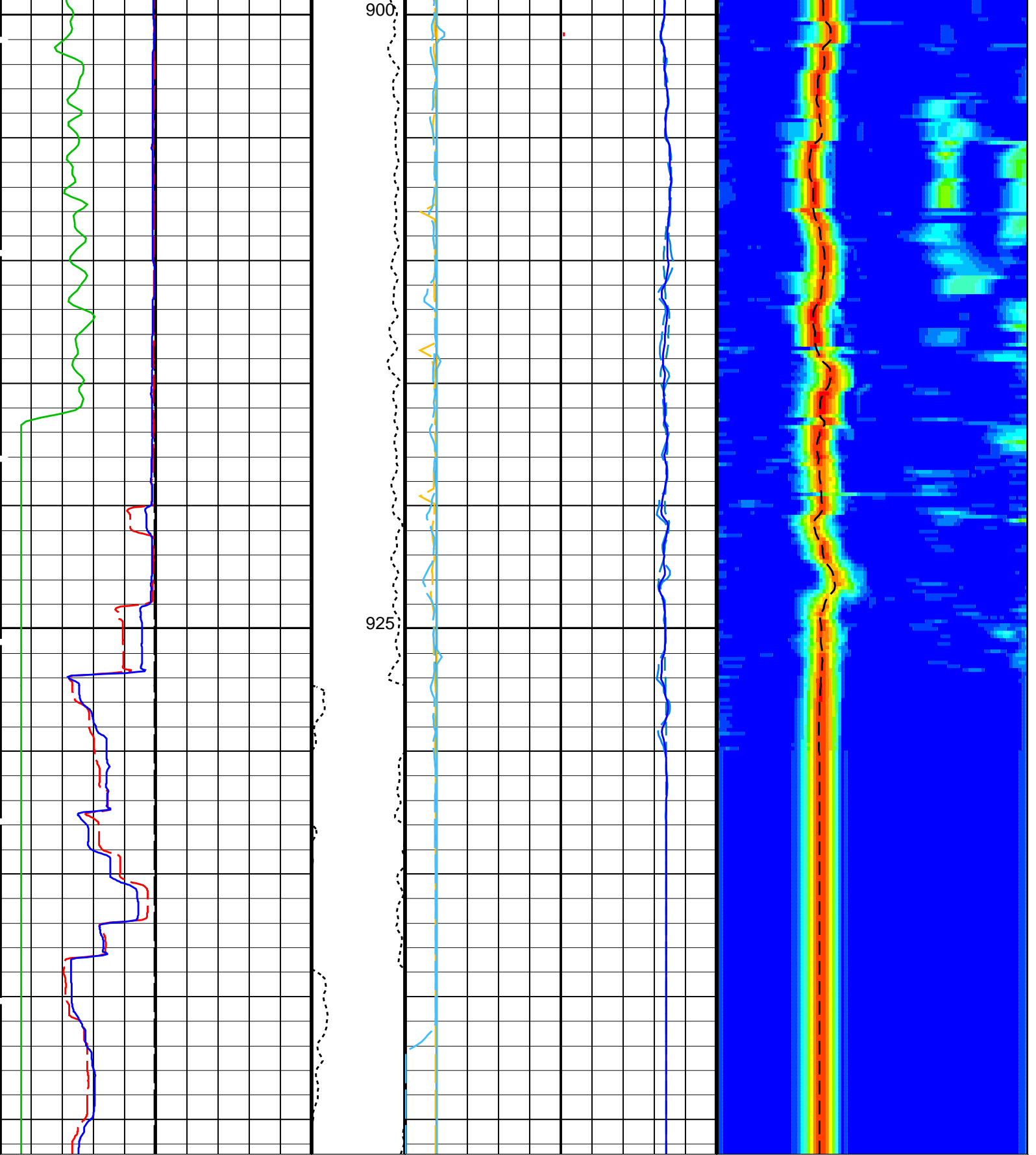












Bit Size (BS)
(IN) 0 20

Caliper 1 (C1)
(IN) 0 20

Caliper 2 (C2)
(IN) 0 20

Tension
(TENS)
(LBF) 0 5000

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

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

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

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

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

Min Amplitude Max
Res Array P&S Slow Proj. CVDL (SPR4)

		-1	(-----)	9	Rec.Array P&S Slow Proj. CVDL (SPR4)	40	(US/F)	240
	Gamma Ray (GR_EDTC)		Peak Coherence / TA - P & S Shear (CHTS)					
0	(GAPI)	150		-1	(-----)	9		
			Delta-T Comp / RA - P & S (DTRP)					
				440	(US/F)	40		
			Delta-T Comp / TA - P & S (DTTP)					
				440	(US/F)	40		
			Delta-T Comp - P & S (DT4P)					
				440	(US/F)	40		
			Delta-T Shear / RA - P & S (DTRS)					
				440	(US/F)	40		
			Delta-T Shear / TA - P & S (DTTS)					
				440	(US/F)	40		
			Delta-T Shear - P & S (DT4S)					
				440	(US/F)	40		

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	100	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	209	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	235	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	300	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
TBL4	STC Time for Limit - Monopole P&S	450	US

ILL4	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	-2122.7	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 25–Apr–2014 04:51

OP System Version: 19C0–187

MEST–B	19C0–187	DTA–A	8453
DSST–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	SKK–5169–EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_NGS_026LUP	FN:30	PRODUCER	22–Apr–2014 21:11	3070.1 M	2260.1 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_050PUP	FN:63	PRODUCER	25–Apr–2014 04:51
CLIENT	FMS_DSI_NGS_050PUC	FN:64	CUSTOMER	25–Apr–2014 04:51



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 4–Feb–2014 3:22							
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							
Before: 22–Apr–2014 17:16							
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							
Before: 22–Apr–2014 17:16							
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: 4–Feb–2014 21:51 Before: 4–Feb–2014 22:02 After: 4–Feb–2014 22:07

Master: 4-Feb-2014 21:51	Before: 4-Feb-2014 22:02	After: 4-Feb-2014 22:07					
Na 511 Peak Loc	40.00	39.52	39.48	39.57	0.09216	1.000	
Na 511 Peak Res	15.50	15.96	16.77	17.05	0.2800	2.000	%
High Voltage	1150	1194	1193	1193	0.08801	N/A	V
Na 1785 Peak Loc	142.6	142.1	141.8	142.0	0.2398	7.000	
Na 1785 Peak Res	8.500	9.703	8.709	9.174	0.4646	2.000	%
Temperature	15.50	35.74	35.71	35.75	0.03577	N/A	DEGC
Na Count Rate	45.00	11.77	12.16	12.19	0.02500	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: 4-Feb-2014 21:51 Before: 4-Feb-2014 22:02 After: 4-Feb-2014 22:07

Na 511 Peak Loc	40.00	39.56	39.51	40.01	0.4946	1.000	
Na 511 Peak Res	15.50	16.07	16.56	16.11	-0.4463	2.000	%
High Voltage	1150	1126	1128	1128	0.1504	N/A	V
Na 1785 Peak Loc	142.6	142.3	143.1	142.2	-0.8427	7.000	
Na 1785 Peak Res	8.500	8.959	9.953	8.887	-1.065	2.000	%
Temperature	15.50	36.60	36.88	36.96	0.08454	N/A	DEGC
Na Count Rate	45.00	12.28	12.68	12.52	-0.1613	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2

Master: 4-Feb-2014 21:51 Before: 4-Feb-2014 22:02 After: 4-Feb-2014 22:07

Coincidence Count Rate Ratio	1.000	0.9624	0.9606	0.9690	0.008355	0.05000	
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Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration

Before: 22-Apr-2014 8:07

EDTC Z-Axis Acceleration	9.810	N/A	9.752	N/A	N/A	N/A	M/S2
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Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration

Before: 22-Apr-2014 8:17 After: 22-Apr-2014 15:50

Gamma Ray (Jig – Bkg)	156.4	N/A	156.4	158.2	1.813	14.22	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	166.9	1.913	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		MEPH – A	702
MEST Acquisition Cartridge Housing (Slim)		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		39.52	Master		15.96	Master		1194
Before		39.48	Before		16.77	Before		1193
After		39.57	After		17.05	After		1193

Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.1	Master		9.703	Master		35.74
Before		141.8	Before		8.709	Before		35.71
After		142.0	After		9.174	After		35.75
	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		11.77						
Before		12.16						
After		12.19						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 4-Feb-2014 21:51			Before: 4-Feb-2014 22:02			After: 4-Feb-2014 22:07		

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		39.56	Master		16.07	Master		1126
Before		39.51	Before		16.56	Before		1128
After		40.01	After		16.11	After		1128
	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		142.3	Master		8.959	Master		36.60
Before		143.1	Before		9.953	Before		36.88
After		142.2	After		8.887	After		36.96
	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		12.28						
Before		12.68						
After		12.52						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 4-Feb-2014 21:51			Before: 4-Feb-2014 22:02			After: 4-Feb-2014 22:07		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9624
Before		0.9606
After		0.9690
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 4-Feb-2014 21:51		
Before: 4-Feb-2014 22:02		
After: 4-Feb-2014 22:07		

Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:


EDTC Gamma Ray Detector
Enhanced DTS Cartridge







EDTG - A/B 8305
EDTC - B 8317

Auxiliary Equipment:

EDTC Housing

EDTH - B 8303

EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.752
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: 22-Apr-2014 8:07		

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		11.20	Before		156.4	Before		165.0	
After		6.774	After		158.2	After		166.9	
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			142.2 (Minimum) 156.4 (Nominal) 170.7 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)		
Before: 22-Apr-2014 8:17			After: 22-Apr-2014 15:50						

Company: **Lamont Doherty Earth Observatory**

Schlumberger

Well: **Expedition 350, Site U1437D**

Field: **IBM-1 (Rear Arc)**

Rig: **JOIDES Resolution**

Country:

DSI Sonic
P&S Monopole