

DISCLAIMER
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OTHER SERVICES1
 OS1: HNGS
 OS2:
 OS3: MSS
 OS4: HRLA
 OS5: HLDS/APS

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Hole drilled with APC/XCB coring bit and bottom hole assembly (BHA). 11 7/16 " BS

REMARKS: RUN NUMBER 2

Drill pipe set at 81.19 mbsf with a logging bit installed for wireline logging.
 Downlog run with corrections computed using bit size; uplogs corrected for actual hole size using caliper.
 Tool centralized with 2 MCD inline centralizer tools.
 SAMX BCR mode run for Anisotropy shear data.
 SAM3 Stonely run for fracture identification
 Fluid type was sepiolite+barite at 10.5 lbs/gal. Corrections for this applied.
 SAM4 P&S run for compressional velocity.
 All logs presented in measured depth below sea floor (MDBSF).
 Maximum observed temperature for hole C was 14 degC.
 Sam1 Low Frequency Dipole run in Low Frequency mode.
 Mud Data: Barite (vol/vol): 8.42%
 Barite (Wt/Vol): 30.98%
 SAM2 upper dipole shear run in standard frequency mode.
 Sonic data recommended to be reprocessed by Techlog/ Geoframe BestDT for best results. BCR Anisotropy requires post processing for answer product.

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

RUN 2		
SERVICE ORDER #:		
PROGRAM VERSION:		
FLUID LEVEL:		
LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION




RUN 1

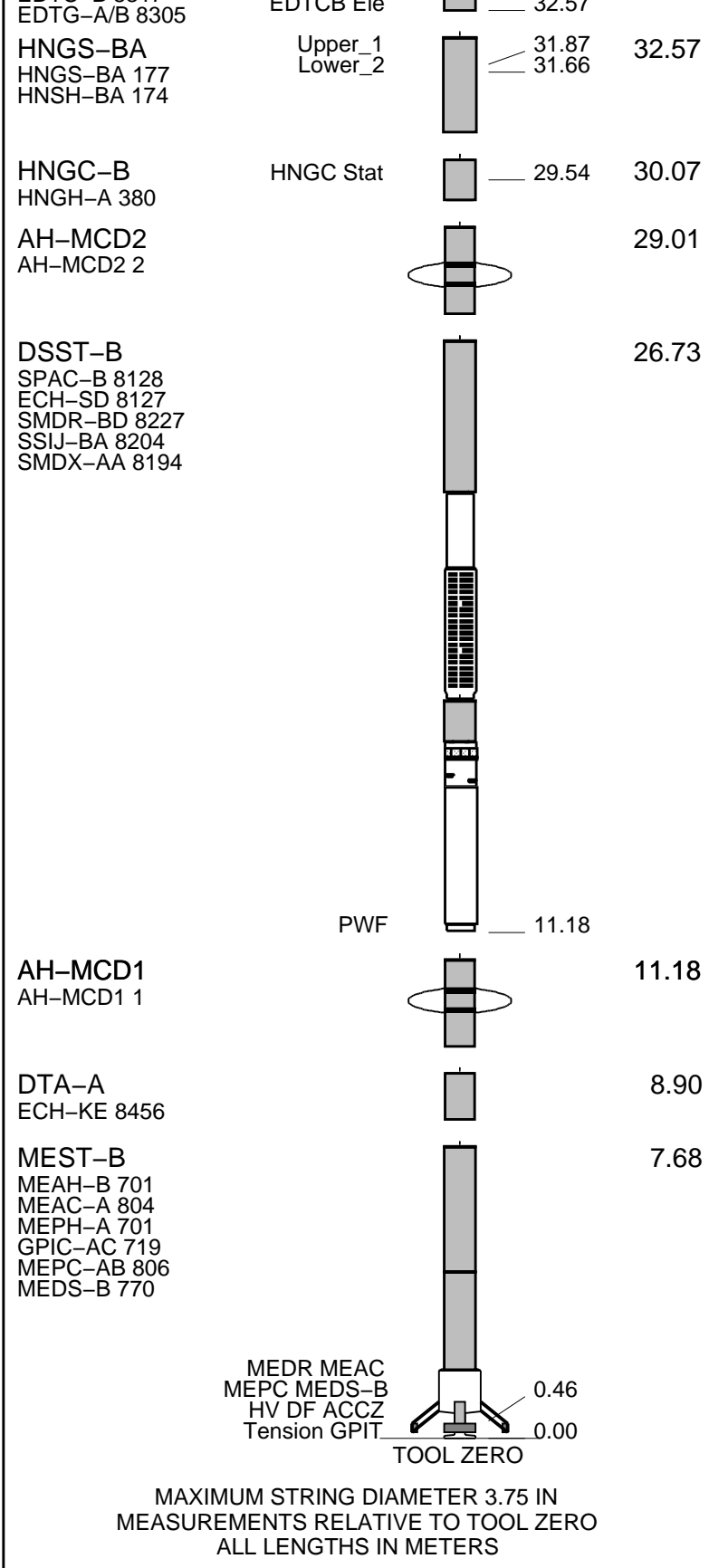
SURFACE EQUIPMENT

GSR-U 616008
 WITM (EDTS)-A 1

RUN 2

DOWNHOLE EQUIPMENT

LEH-MT				35.95
LEH-MT 101				
AH-369	MDSB_EDTC			
	Mud Tempe		34.55	34.99
	CTEM		33.49	
EDTC-B	Gamma Ray		32.92	34.55
EDTH-B 8303	EFTB DIAG			
EDTC-B 8317	TelStatus			
	EDTCB-FL		32.57	



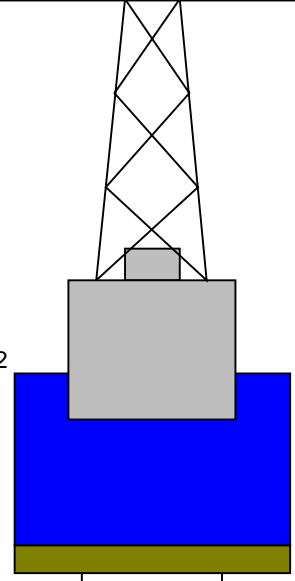
Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation
Derrick Floor Elevation

-3649.2
-3649.2

Mean Sea Level

-3638.2



4.1



0 4.1
81.19 9.875
465.2

Sea Floor

Open Hole

Total Depth

Input DLIS Files

DEFAULT	FMS_DSI_NGS_018LUP	FN:30	PRODUCER	17-Apr-2015 19:19	4114.8 M	3639.8 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_063PUP	FN:57	PRODUCER	25-Apr-2015 00:15	468.6 M	-6.2 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	EDTC-B	SKK-5169-EDTCB

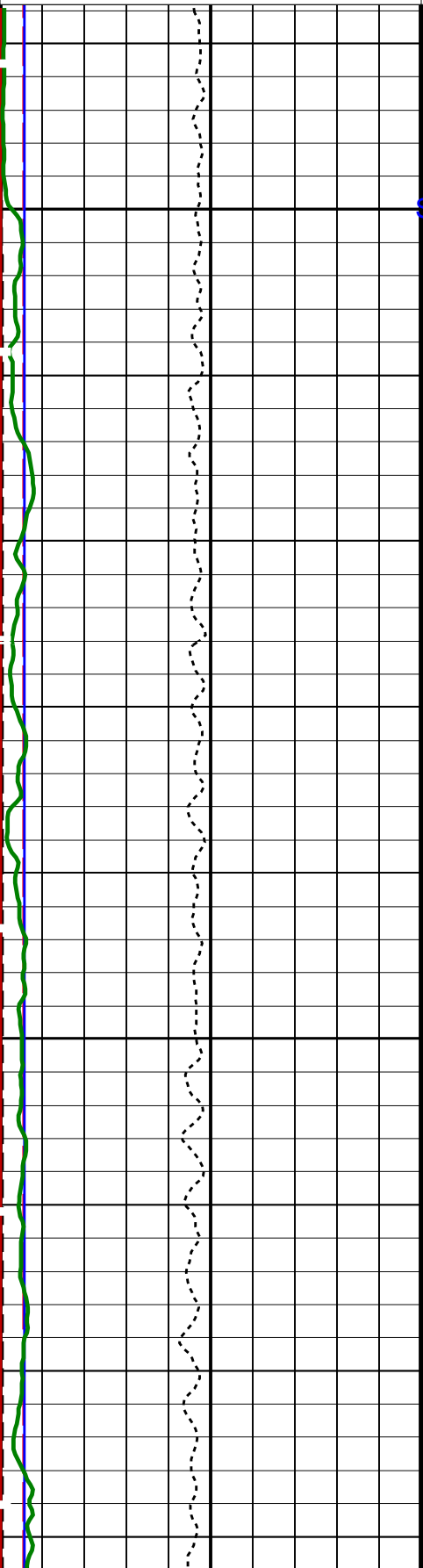
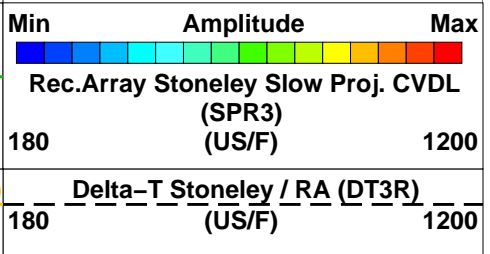
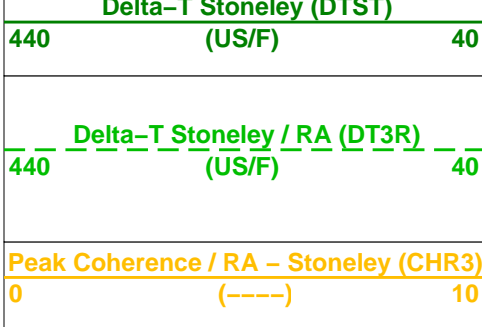
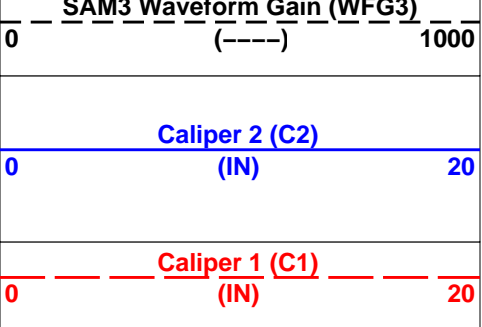
PIP SUMMARY

Time Mark Every 60 S

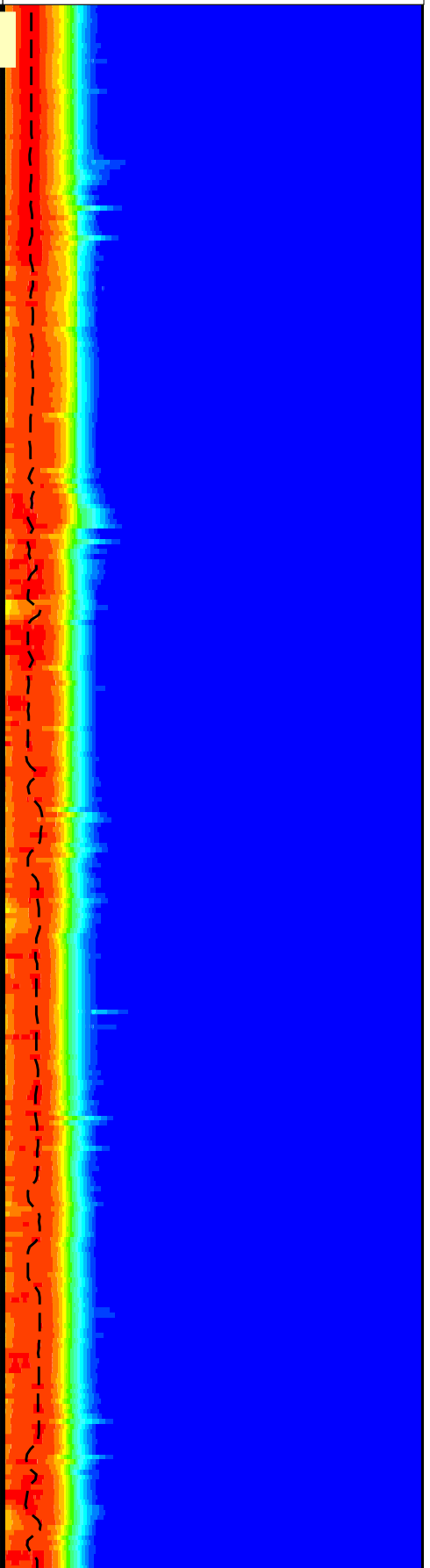
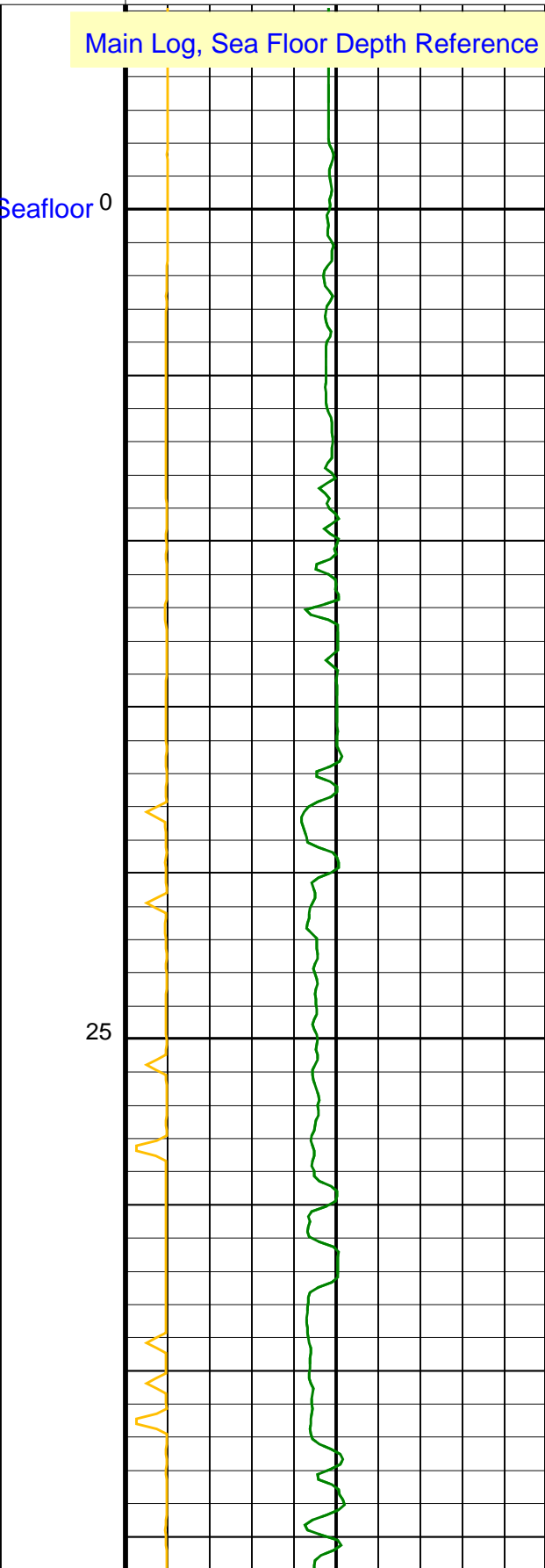
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

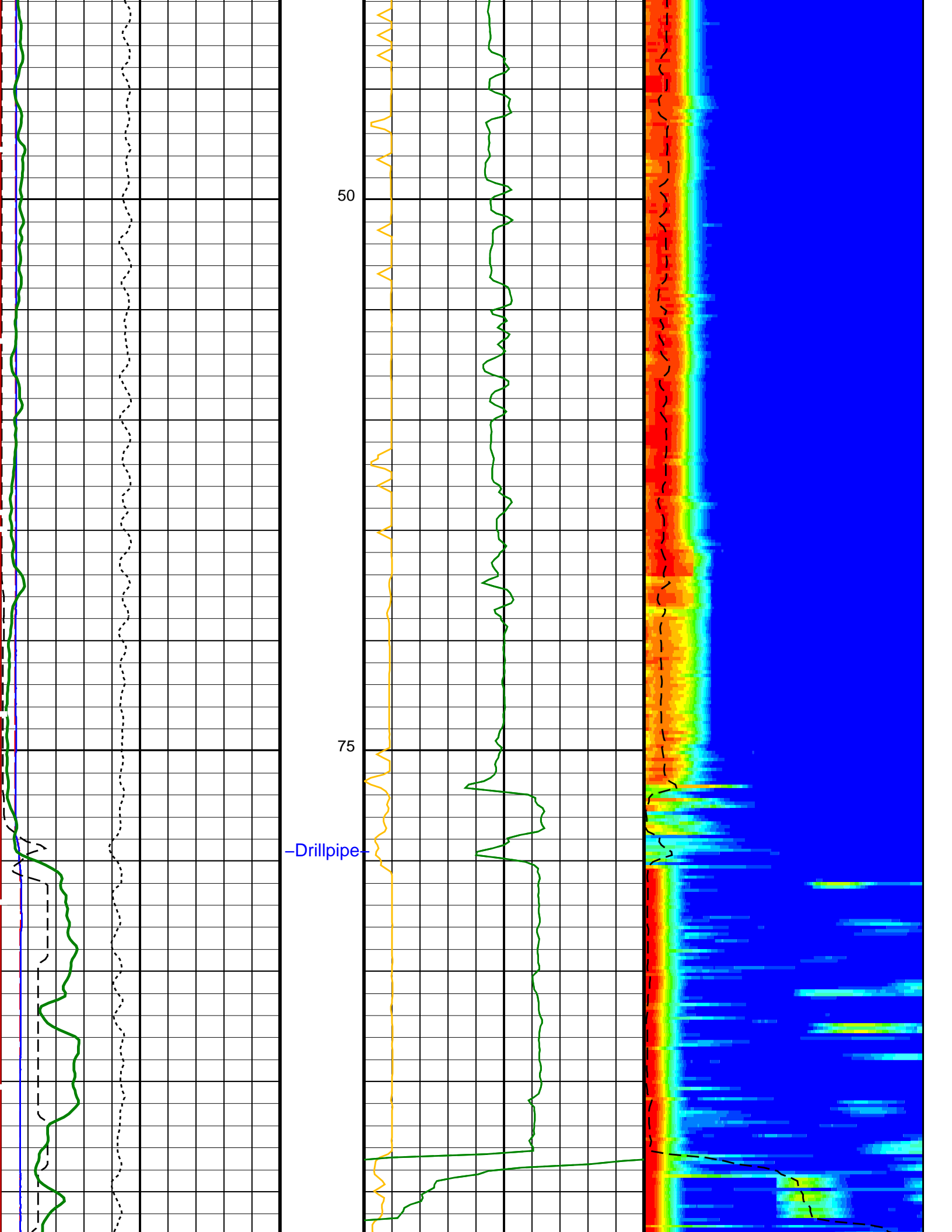
Waveform Data Copy Indicator 3 - Monopole Stoneley (WCI3)		
0	(-----)	10

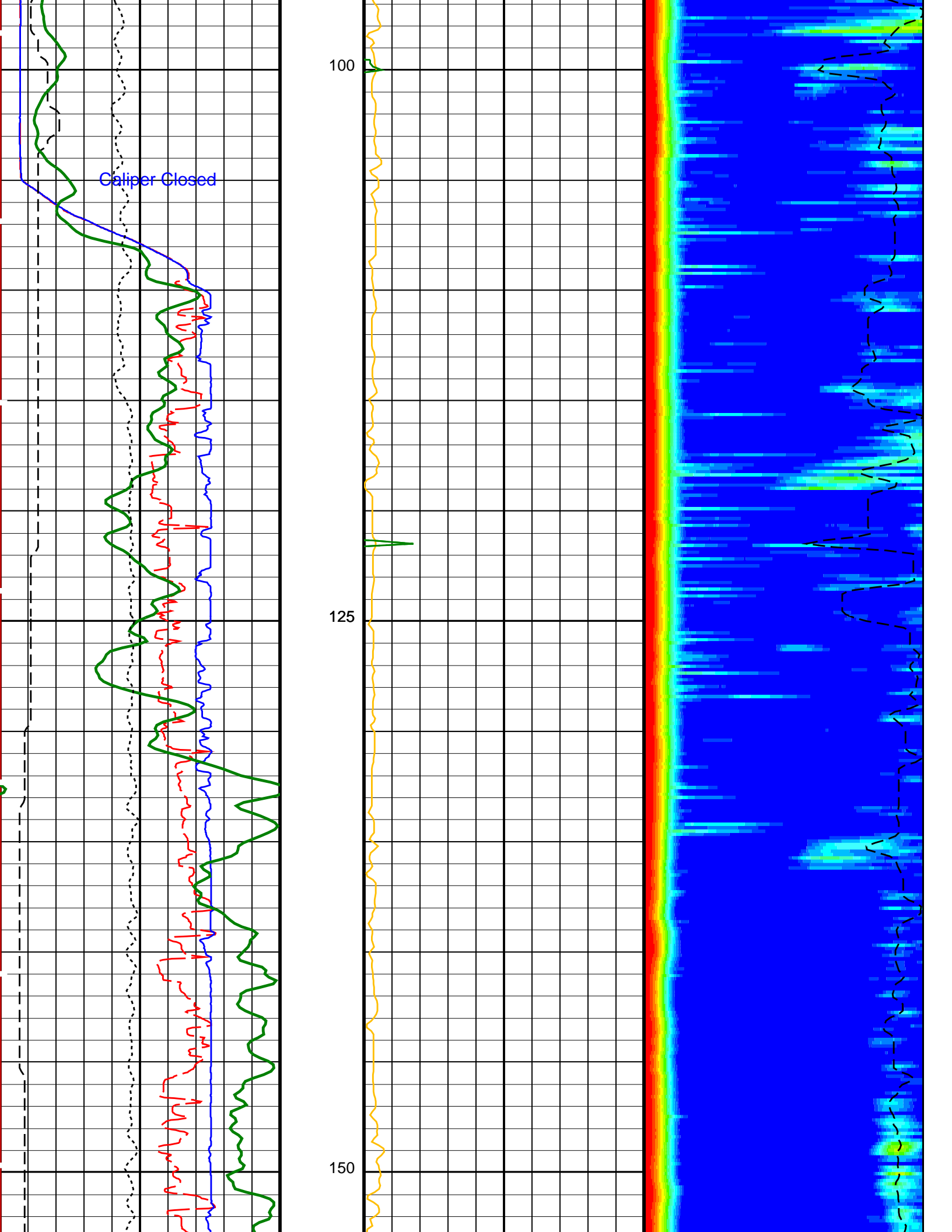
Tension (TENS)		
10000	(LBF)	0

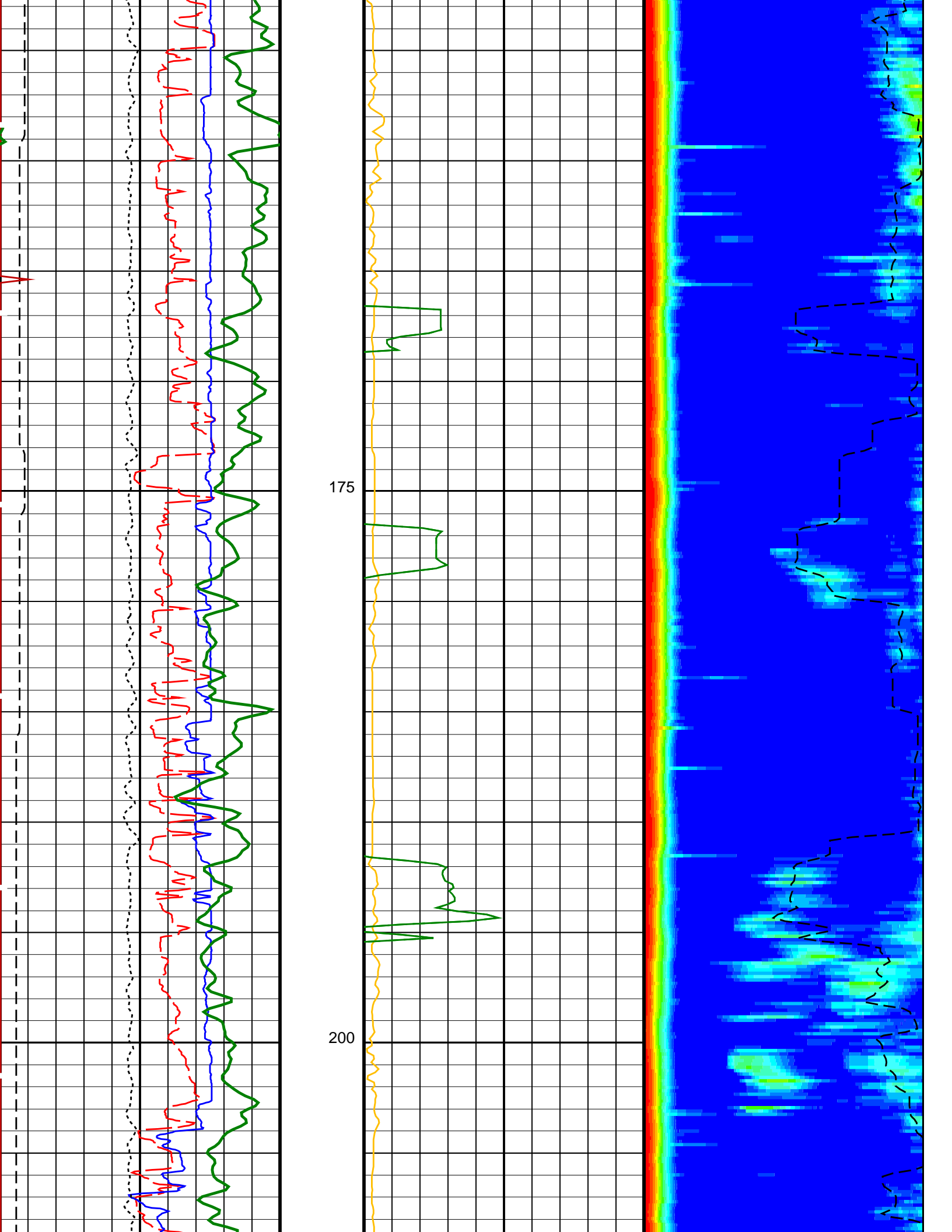


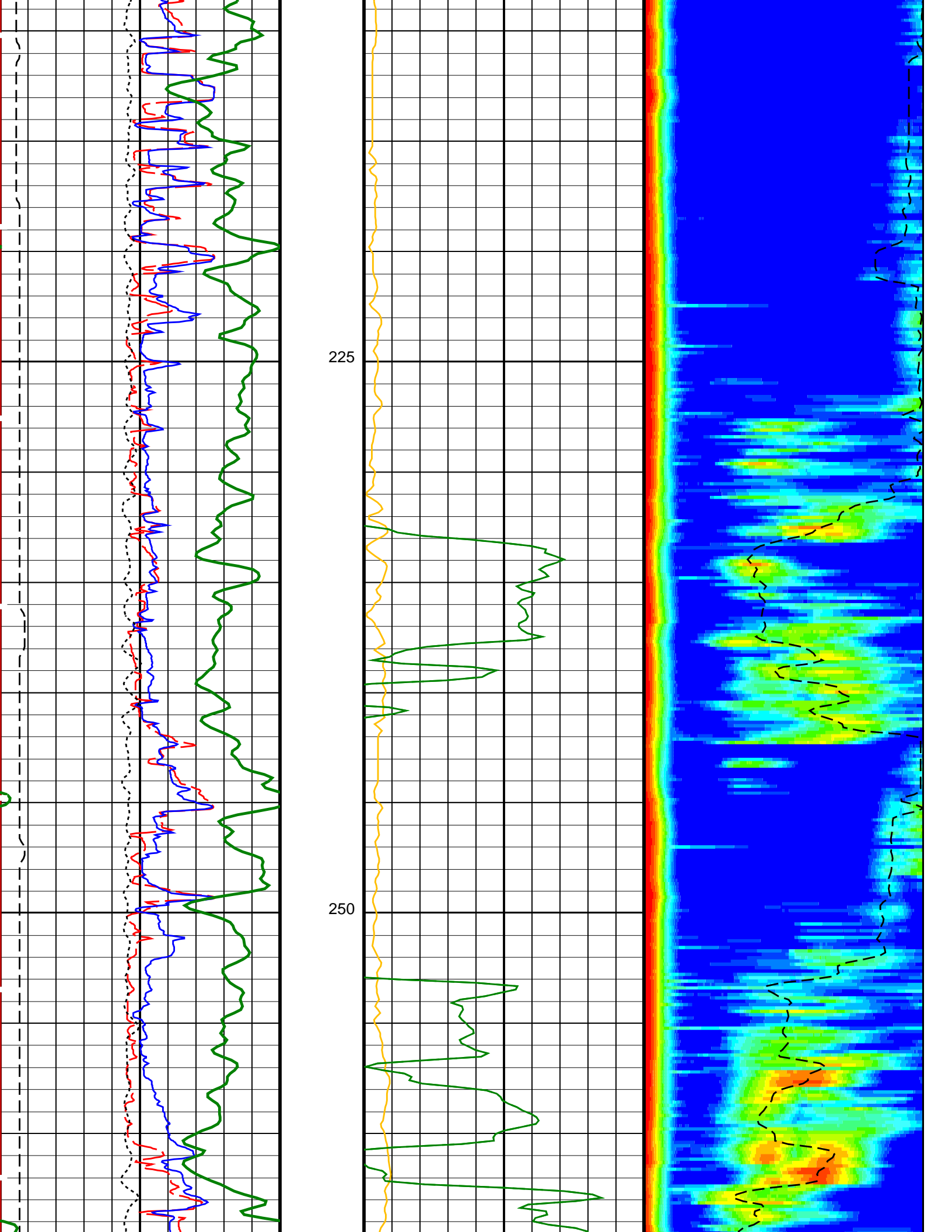
Main Log, Sea Floor Depth Reference

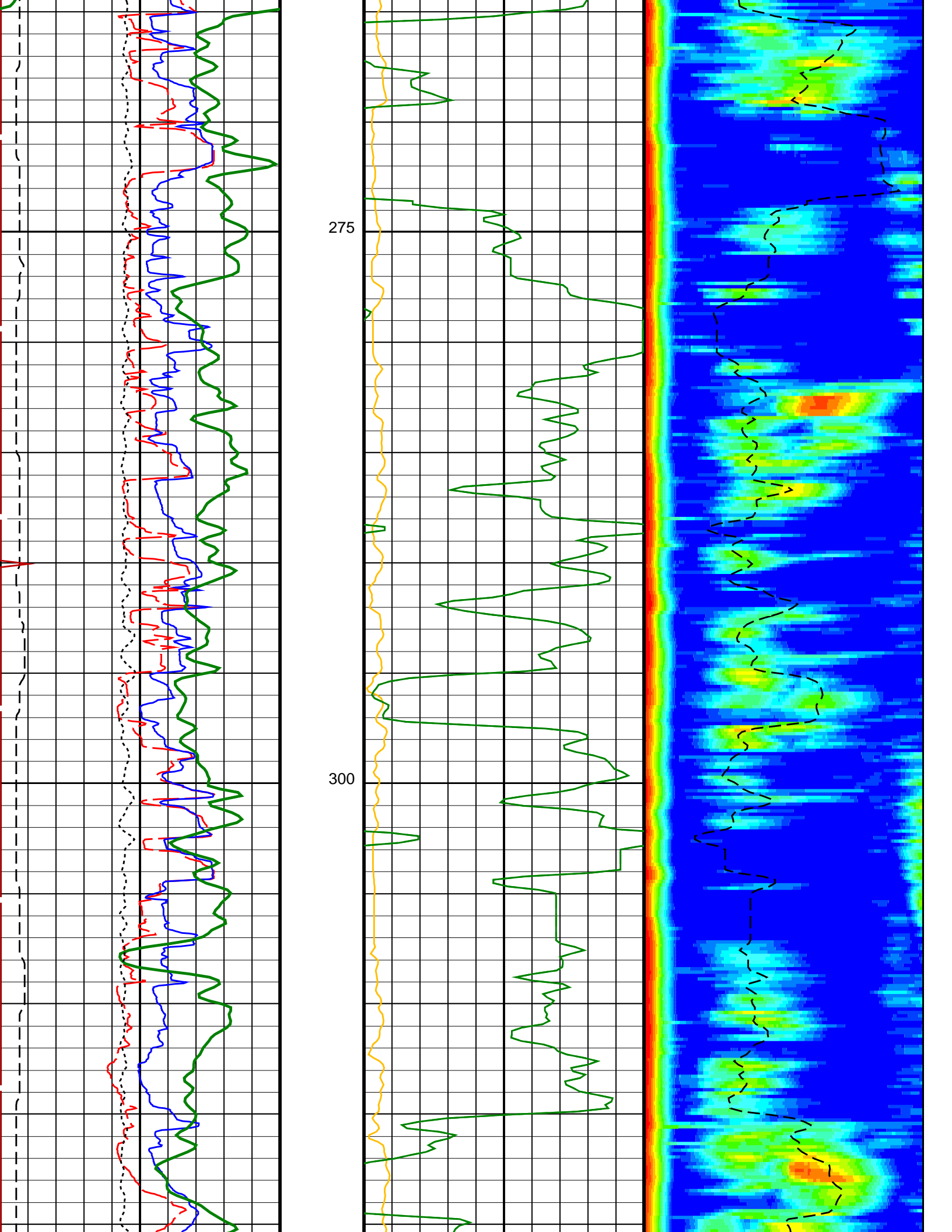


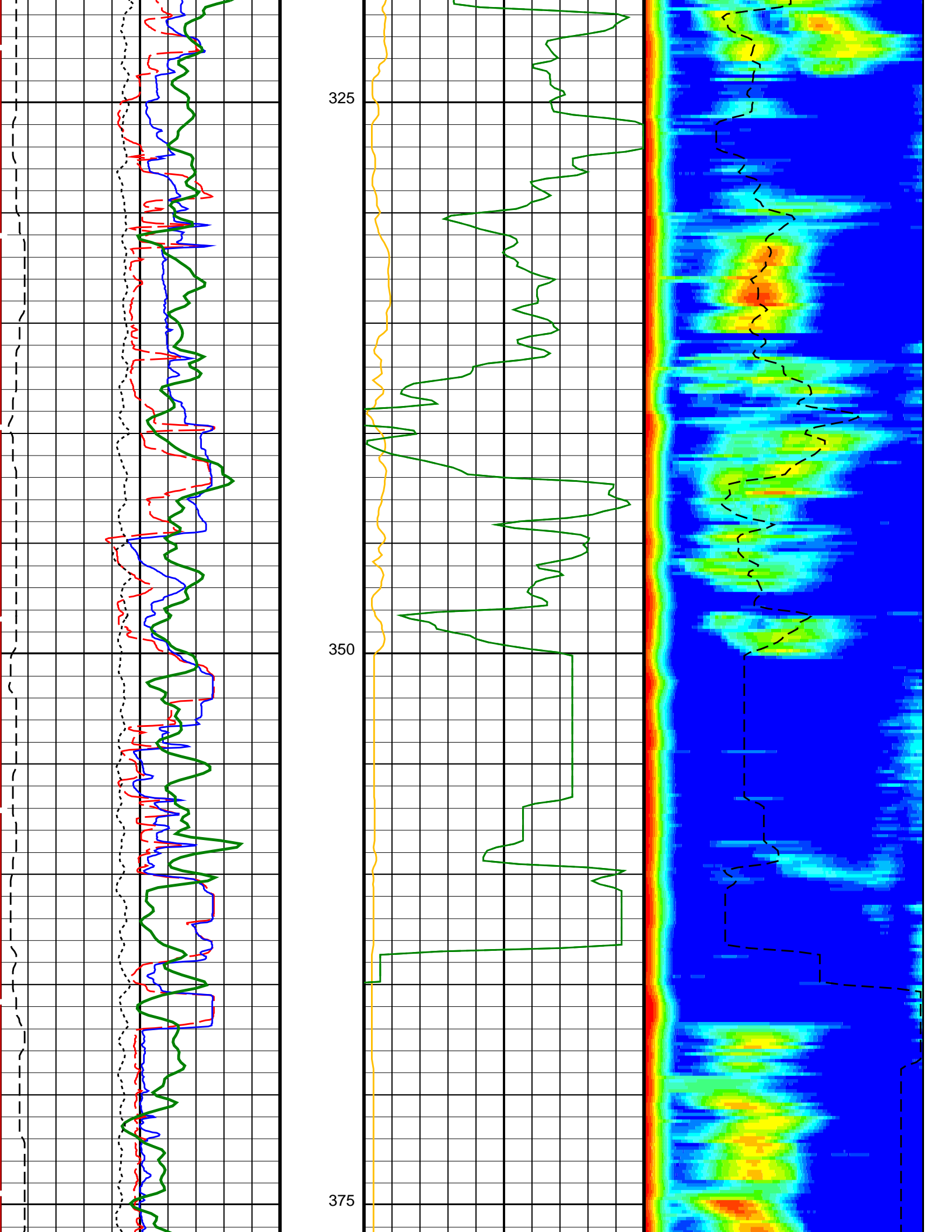


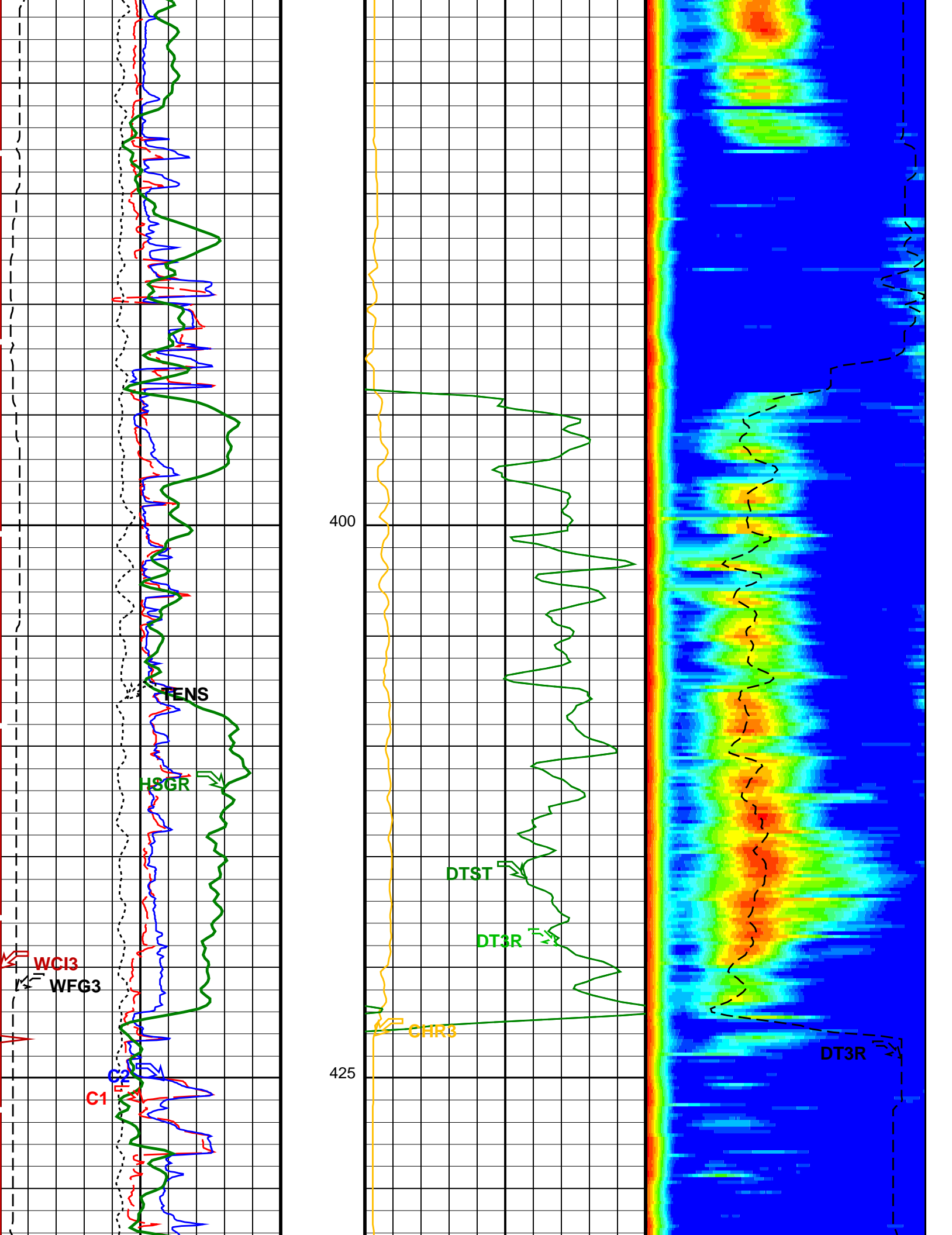


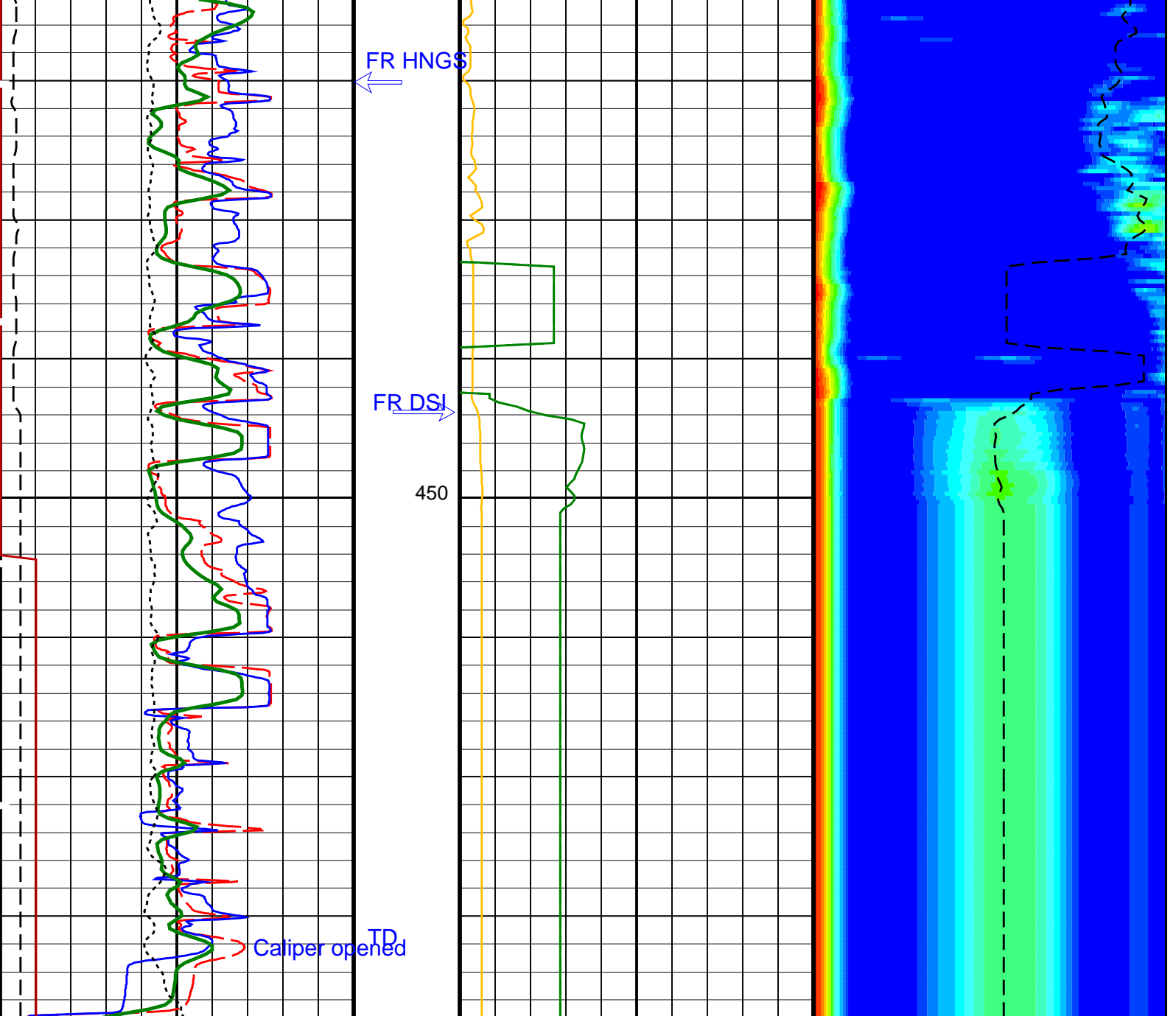












0	Caliper 1 (C1) (IN)	20
0	Caliper 2 (C2) (IN)	20
0	SAM3 Waveform Gain (WFG3) (----)	1000
10000	Tension (TENS) (LBF)	0
0	Waveform Data Copy Indicator 3 - Monopole Stoneley (WC13) (----)	10
0	HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	100

0	Peak Coherence / RA - Stoneley (CHR3) (----)	10
440	Delta-T Stoneley / RA (DT3R) (US/F)	40
440	Delta-T Stoneley (DTST) (US/F)	40

180	Delta-T Stoneley / RA (DT3R) (US/F)	1200
Min	Amplitude	Max
Rec.Array Stoneley Slow Proj. CVDL (SPR3) (US/F)		
180		1200

Main Log, Sea Floor Depth Reference

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
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	
GCSE	Generalized Caliper Selection	C1	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	8	
NWIX	Number Waveform Items X	32	
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	EVEN	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	BCR	
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	
SSL3	STC Slowness Lower Limit - Monopole Stoneley	75	US/F
STT3	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	1200	US/F
SUL3	STC Slowness Upper Limit - Monopole Stoneley	1200	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	600	US
TST3	STC Time Step - Monopole Stoneley	200	US
TUL3	STC Time Upper Limit - Monopole Stoneley	15800	US
TWD3	STC Time Width - Monopole Stoneley	2000	US
TWI3	STC Integration Time Window - Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM3	Waveform Mode 3	W1	
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	-0.00300885	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.958176	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.95884	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.21	G/C3

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_018LUP	FN:30	PRODUCER	17-Apr-2015 19:19	4114.8 M	3639.8 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_063PUP	FN:57	PRODUCER	25-Apr-2015 00:15		
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Input DLIS Files

DEFAULT	FMS_DSI_NGS_018LUP	FN:30	PRODUCER	17-Apr-2015 19:19	4114.8 M	3639.8 M
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Output DLIS Files

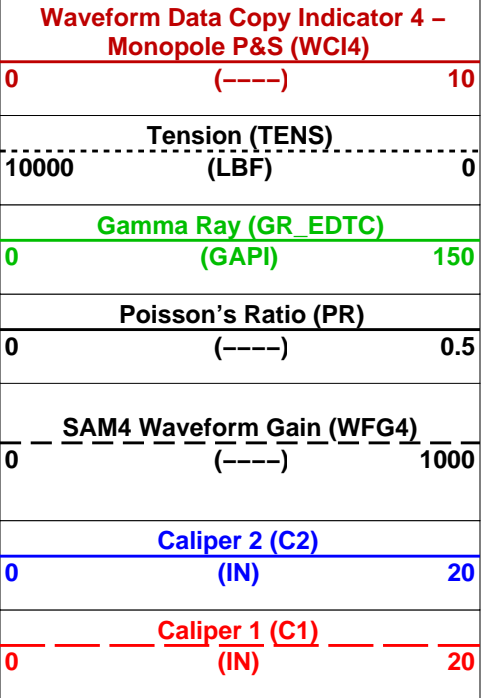
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OP System Version: 19C0-187

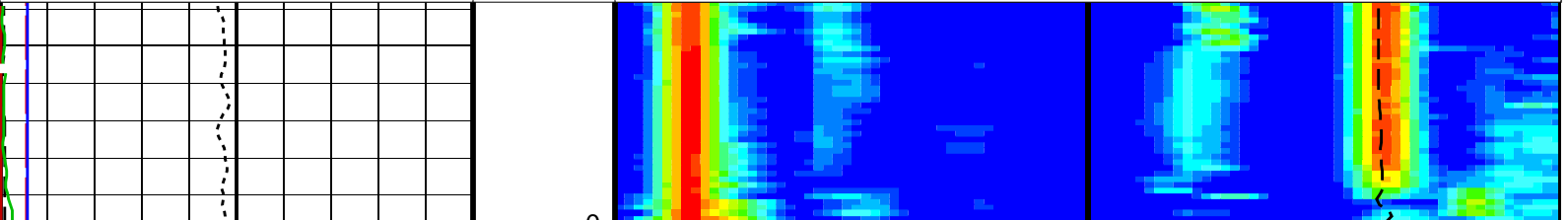
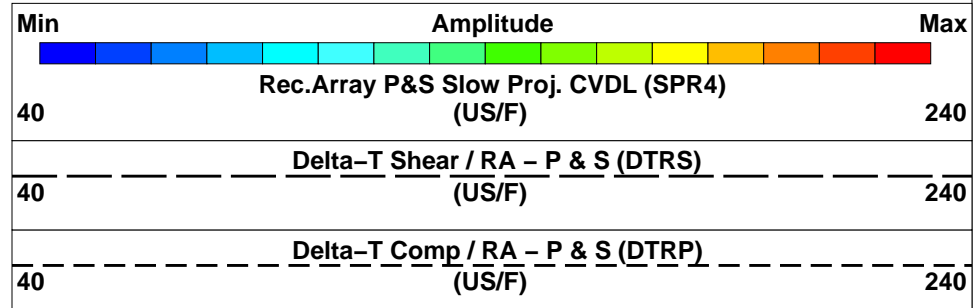
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DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

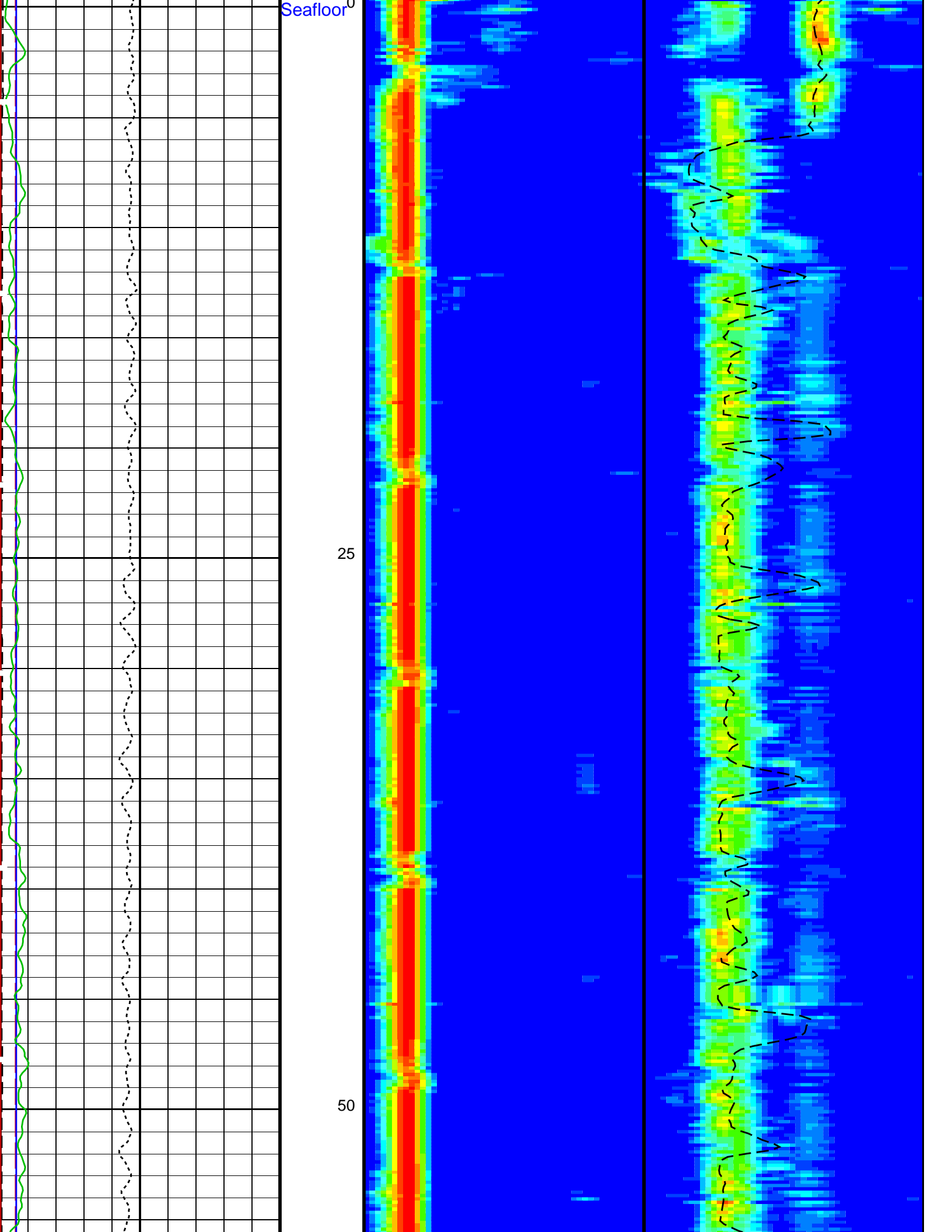
PIP SUMMARY

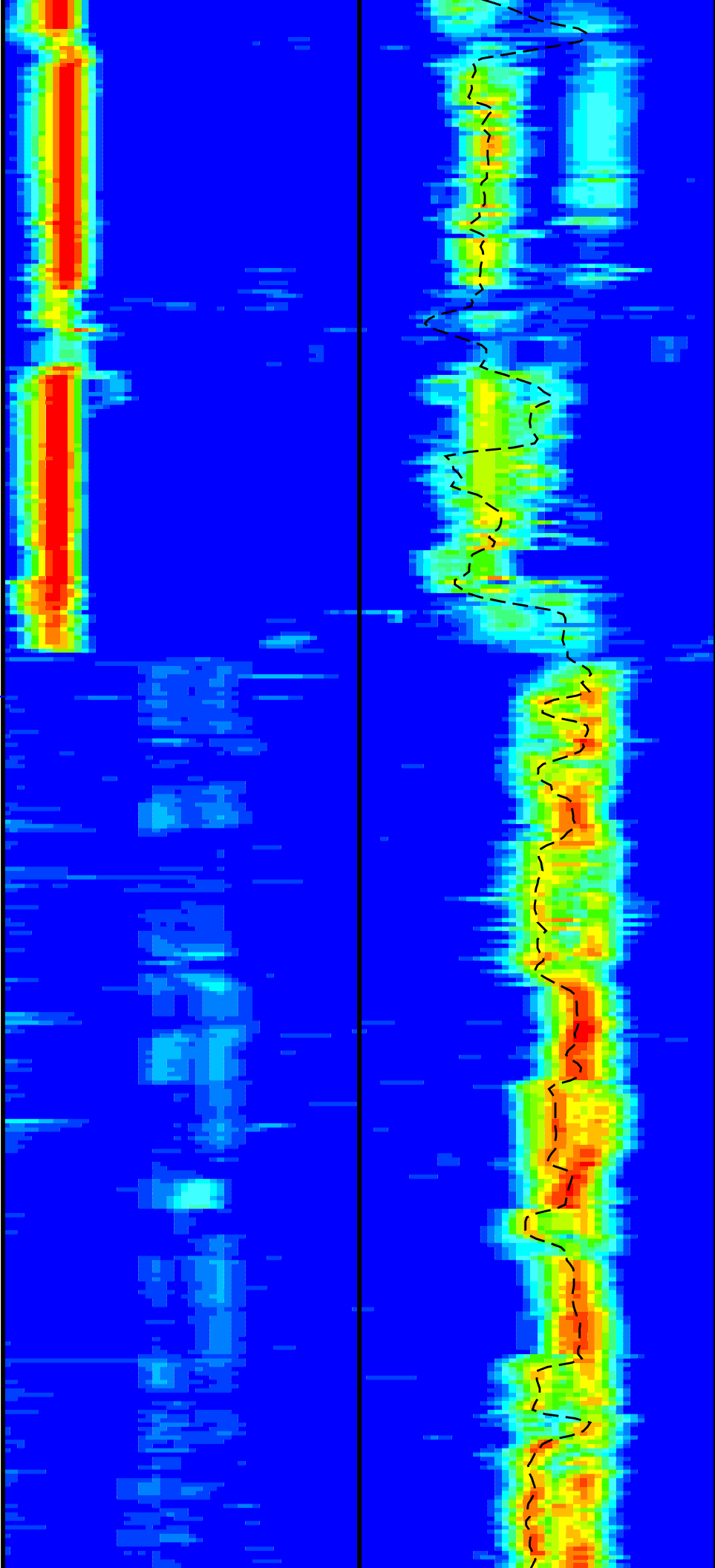
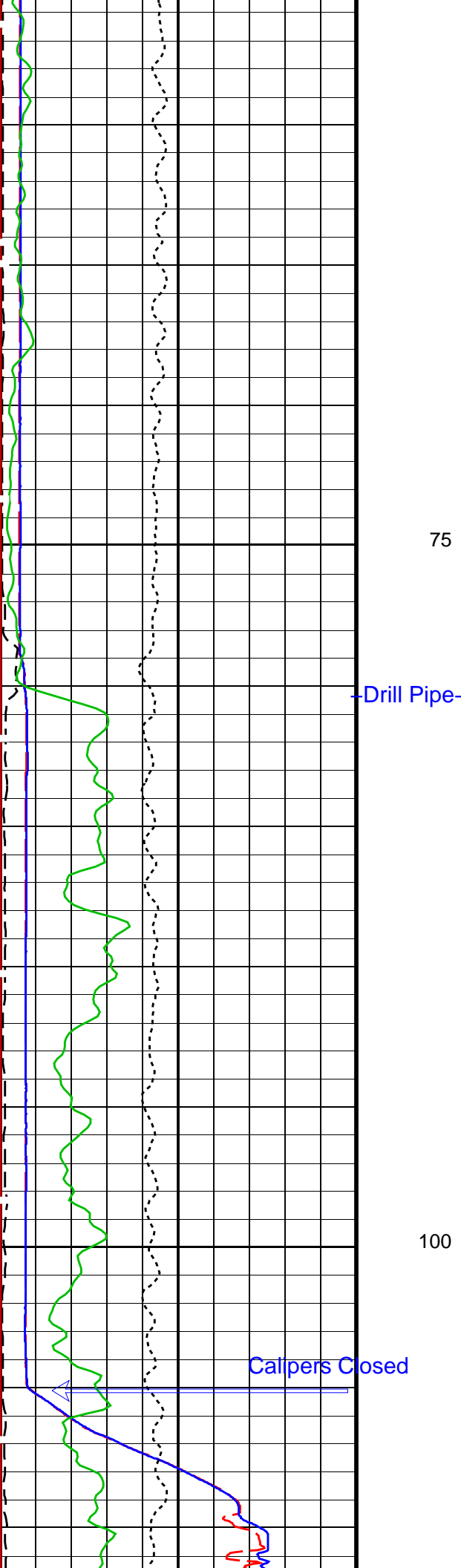
Time Mark Every 60 S

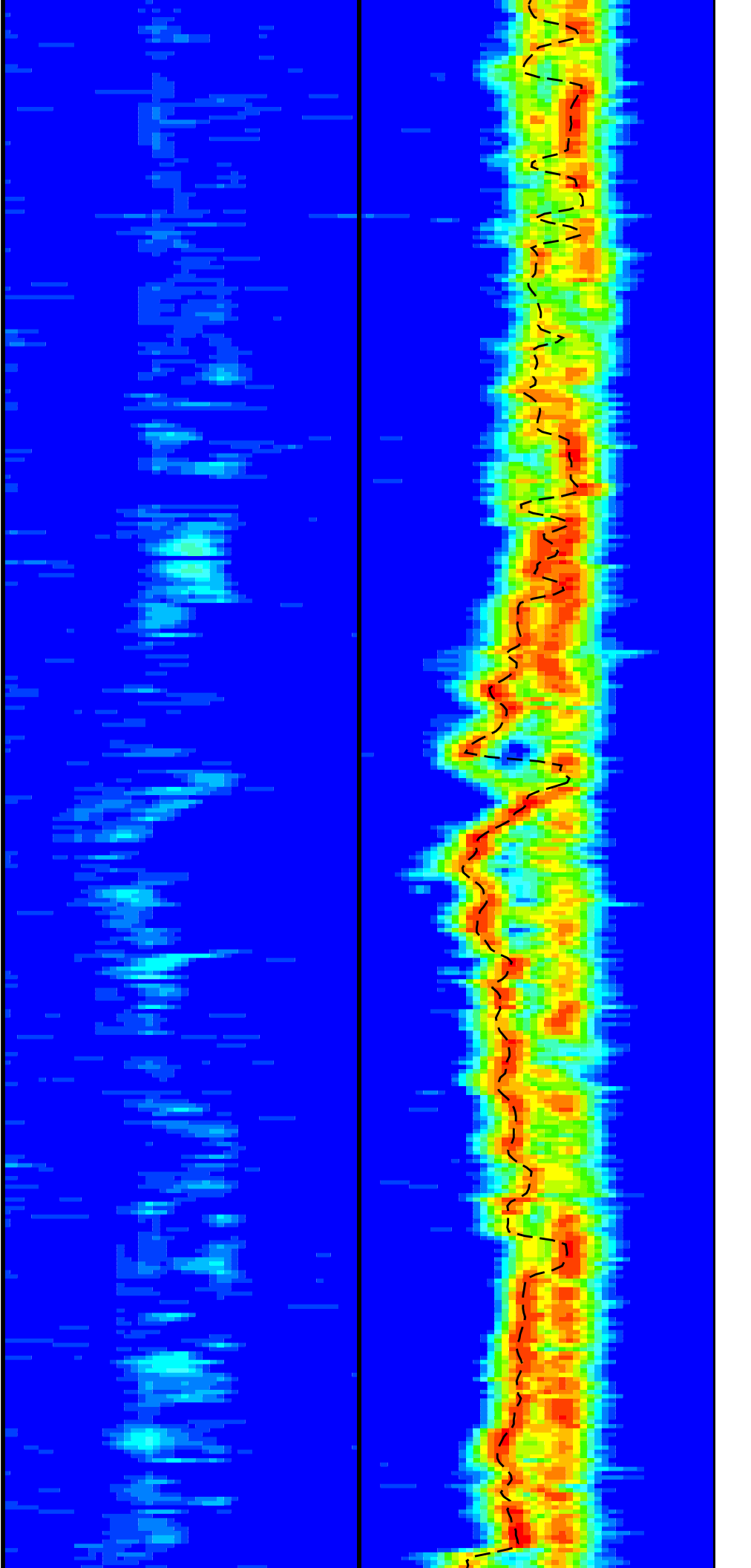
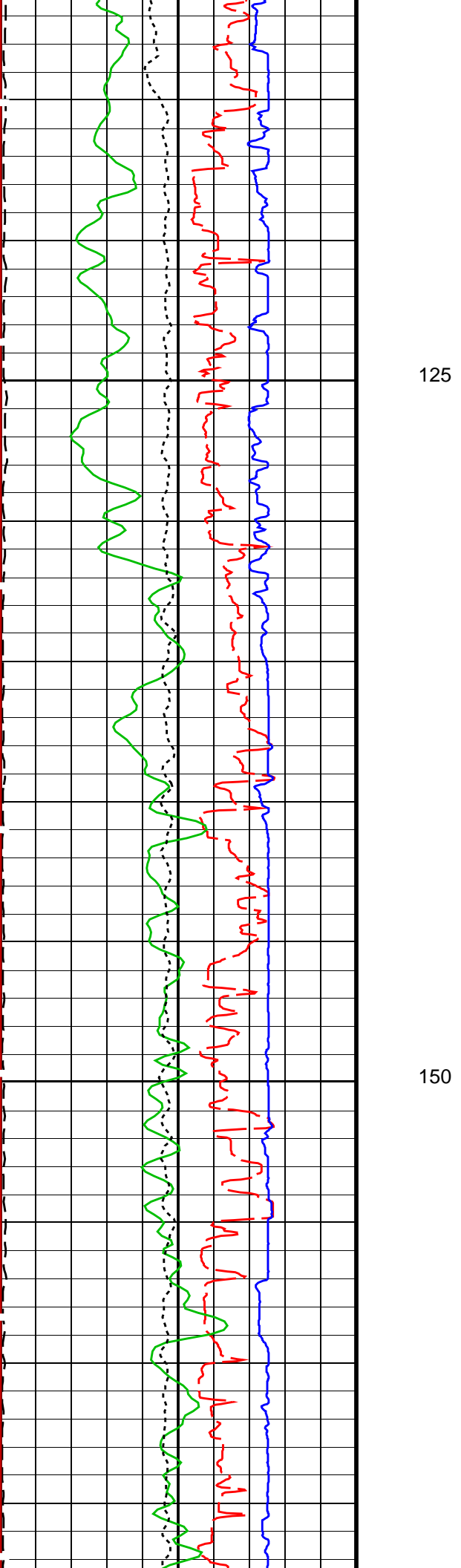


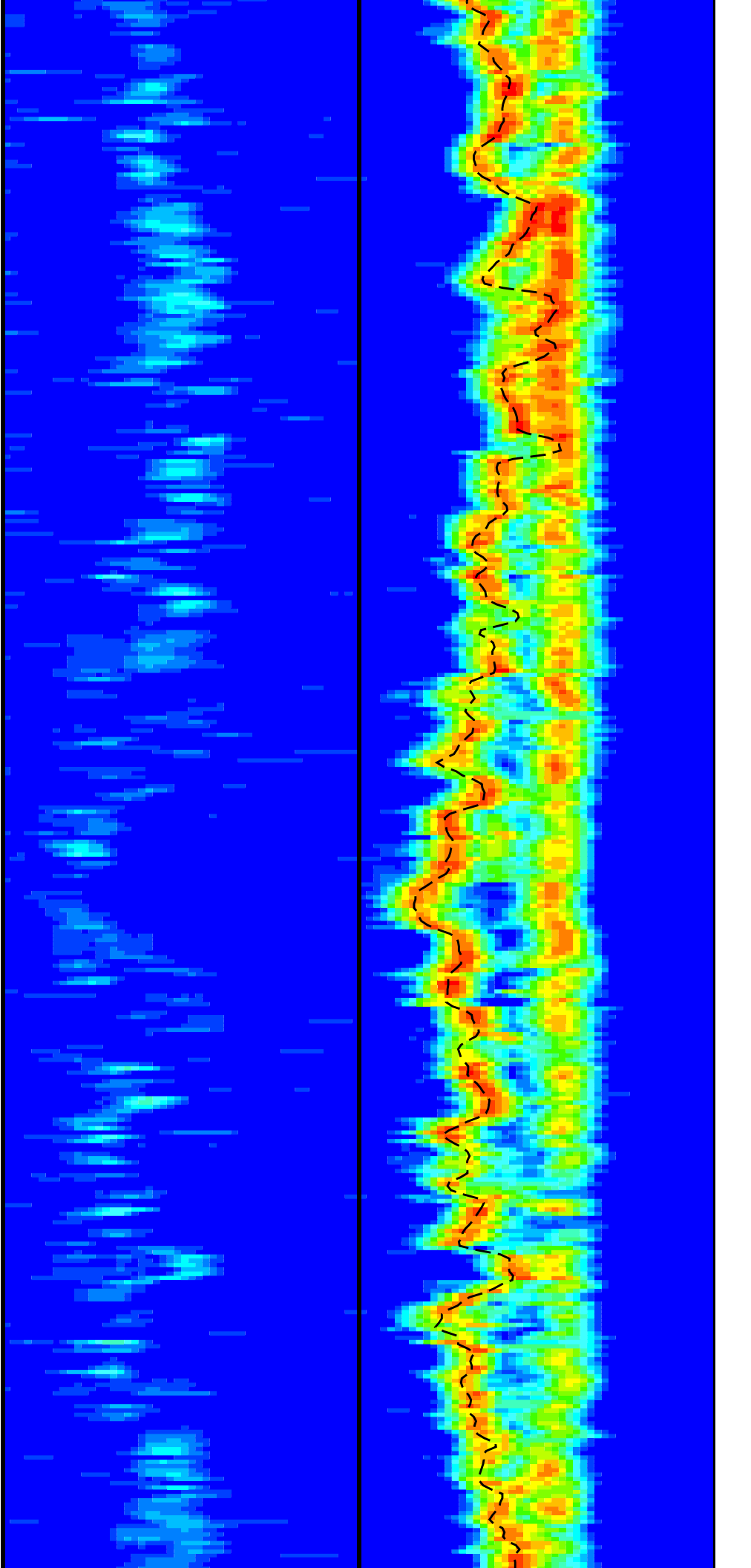
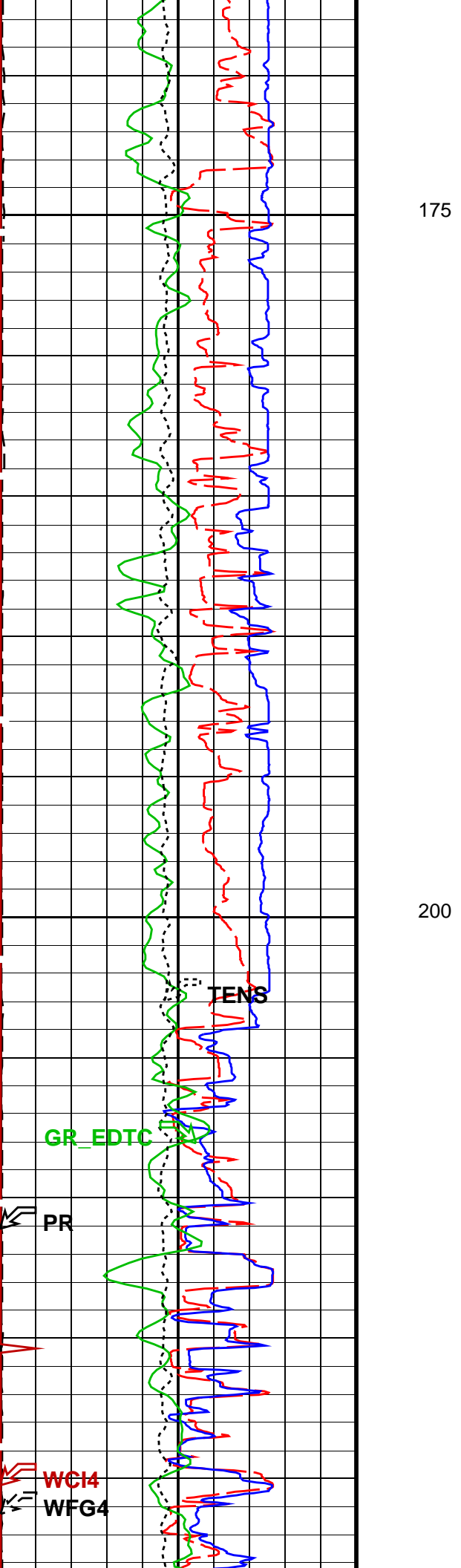
Main Log, Sea Floor Depth Reference

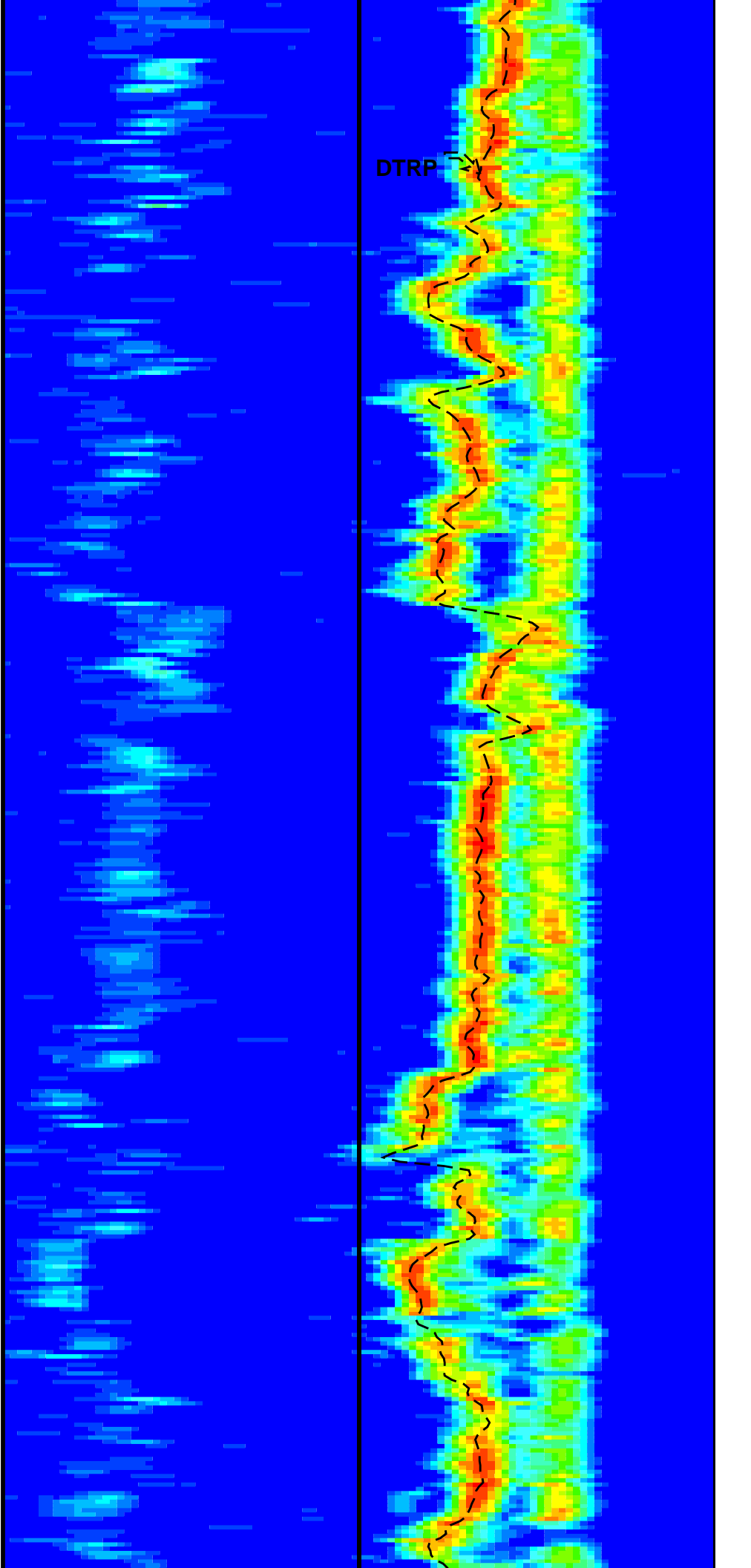
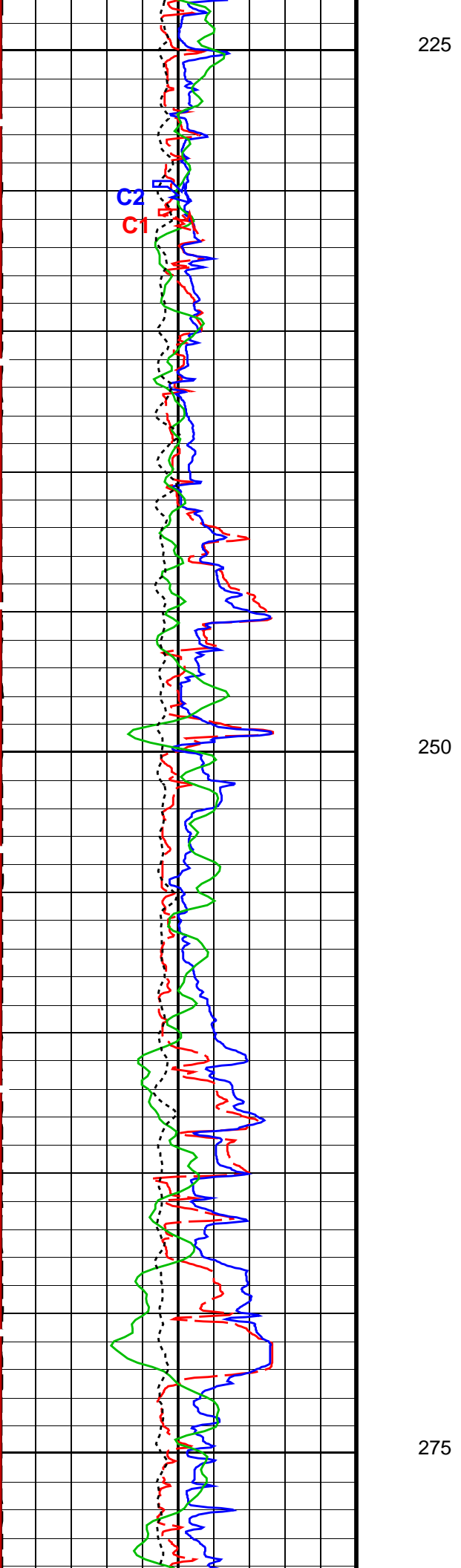


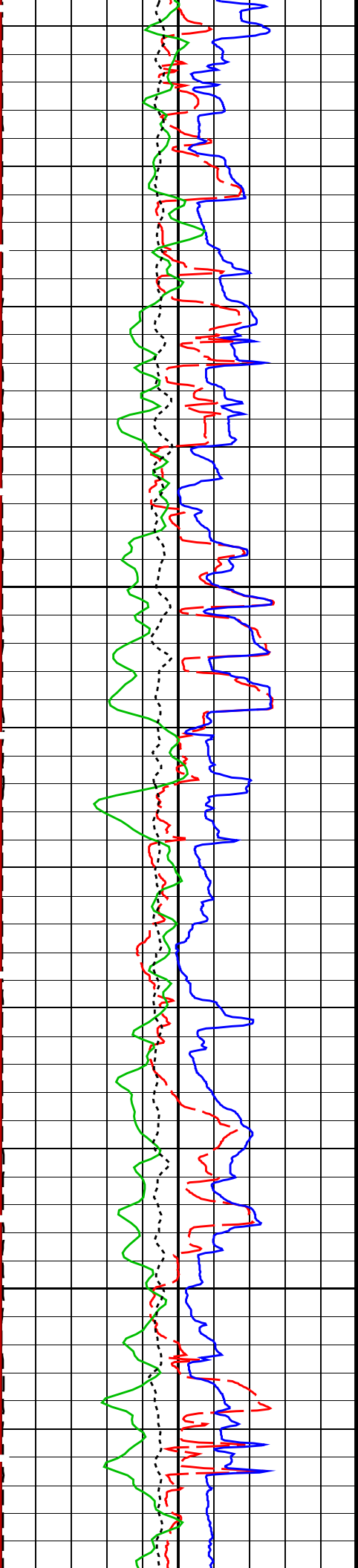






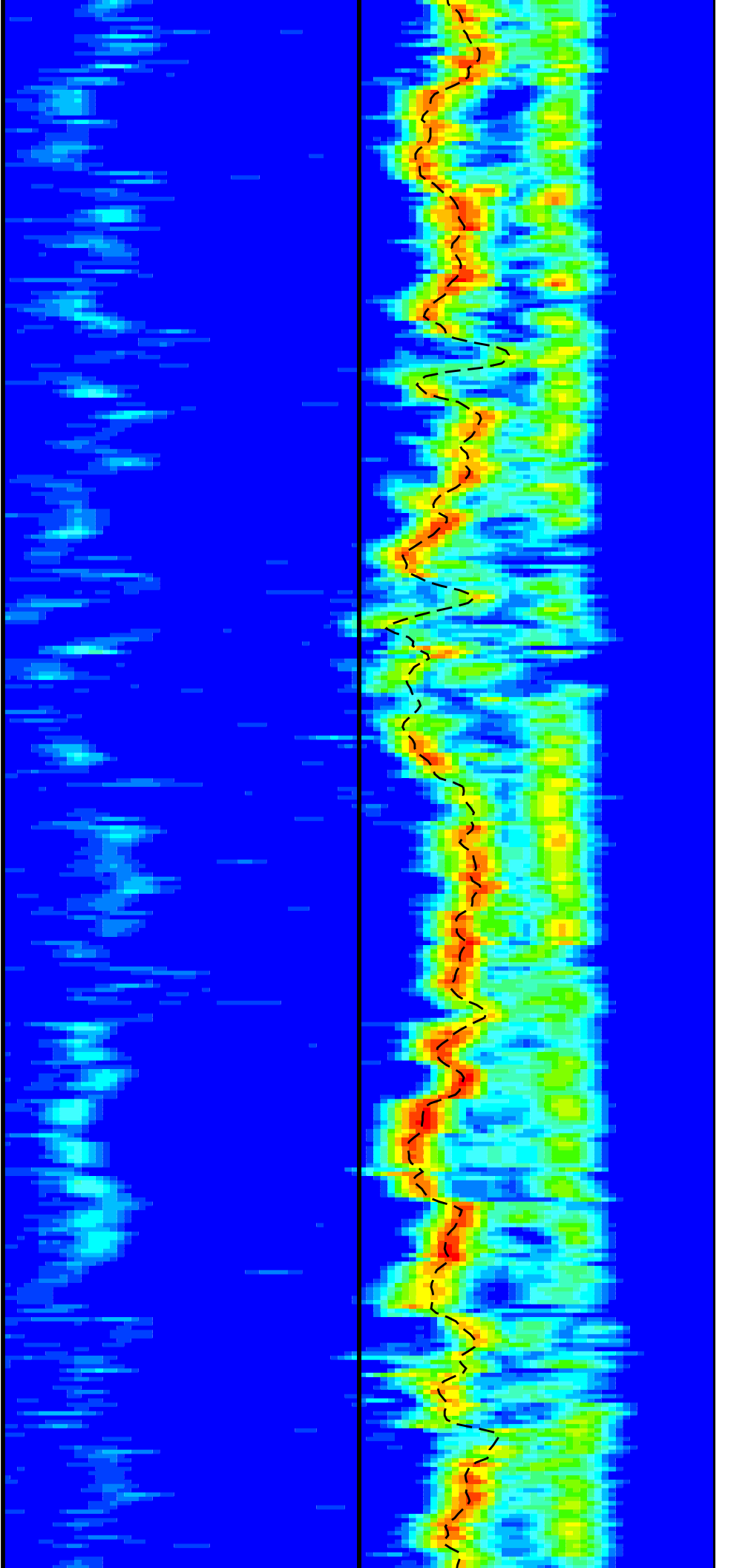


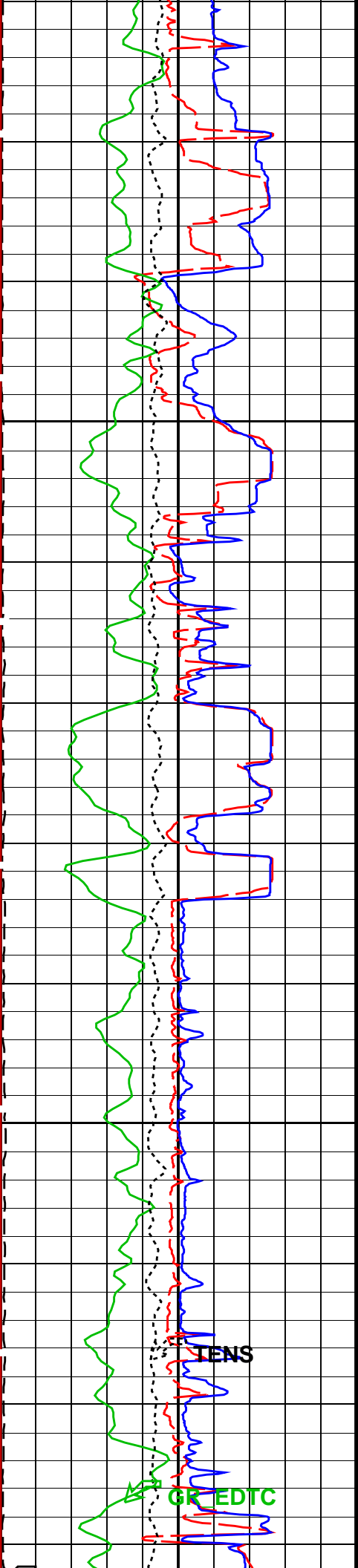




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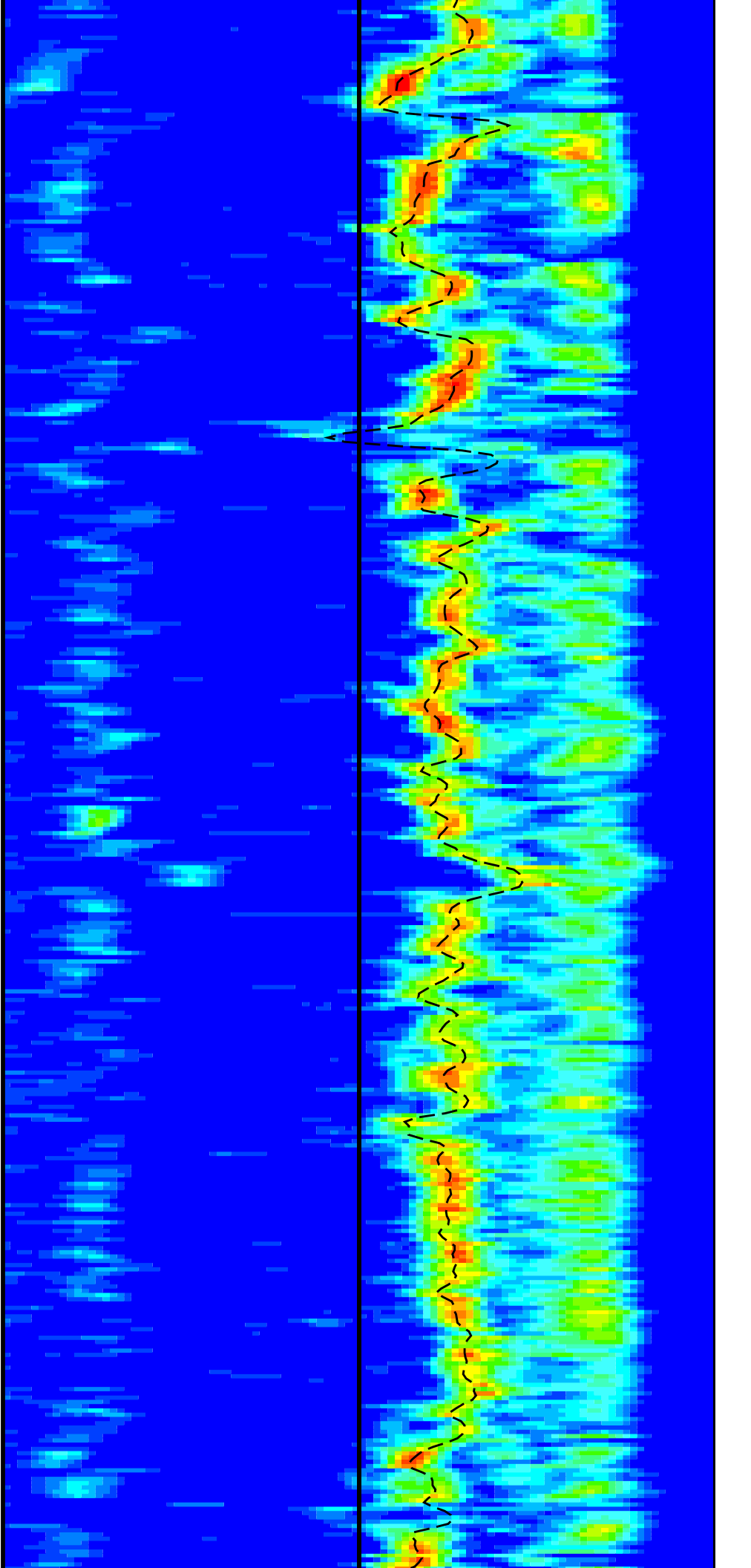
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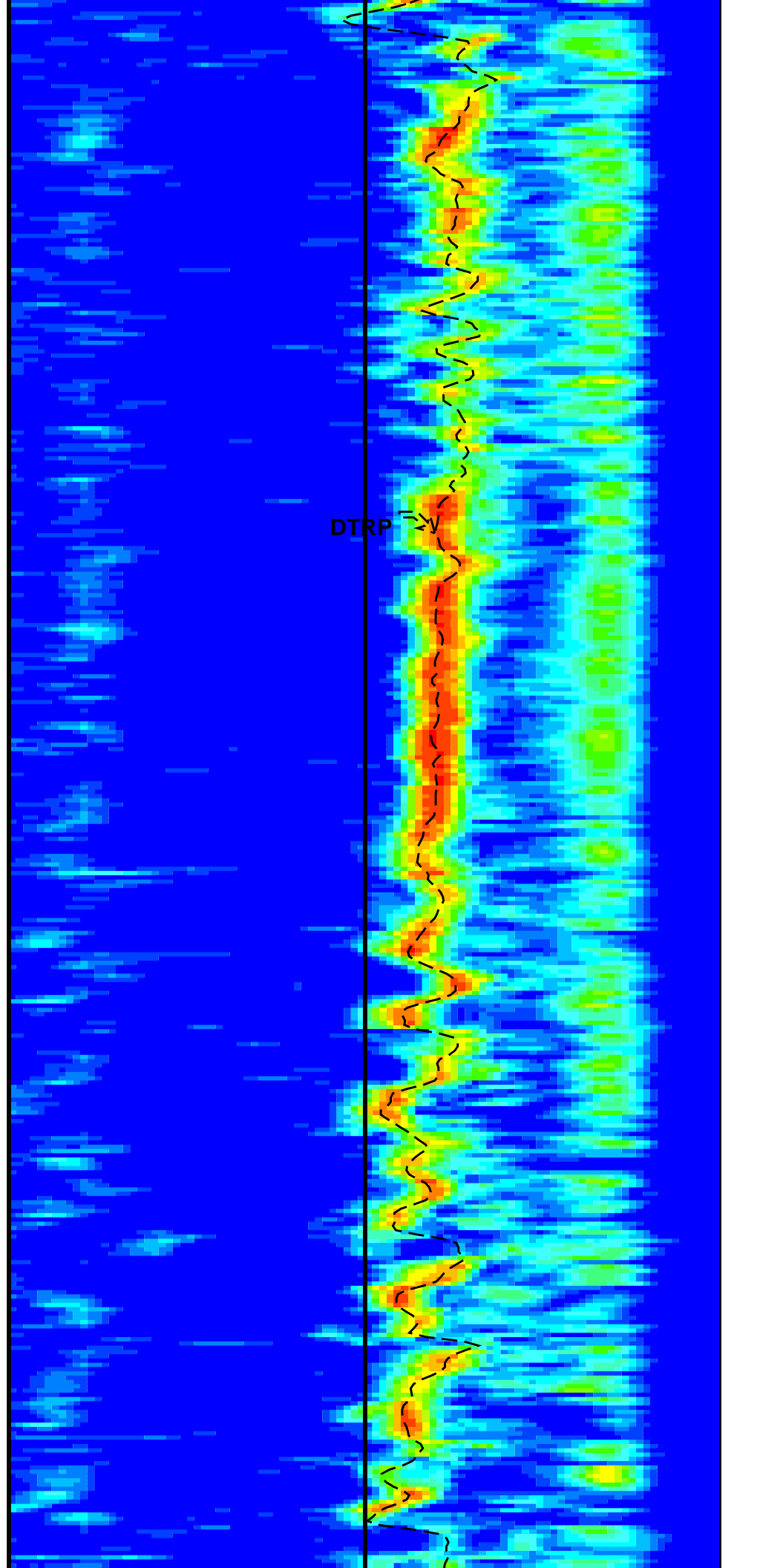
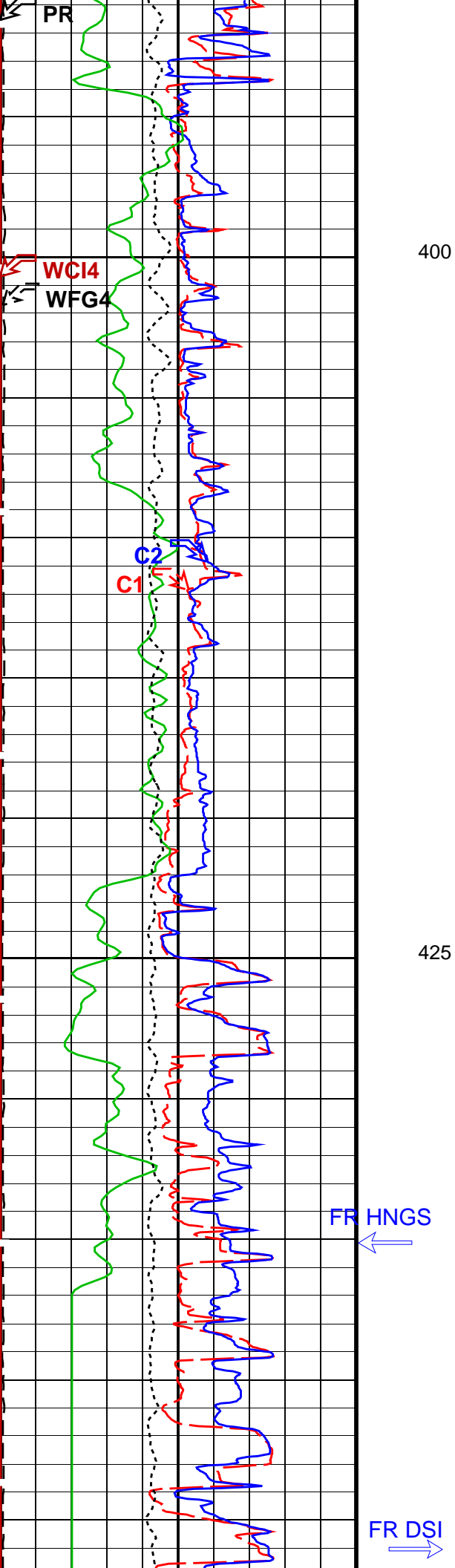


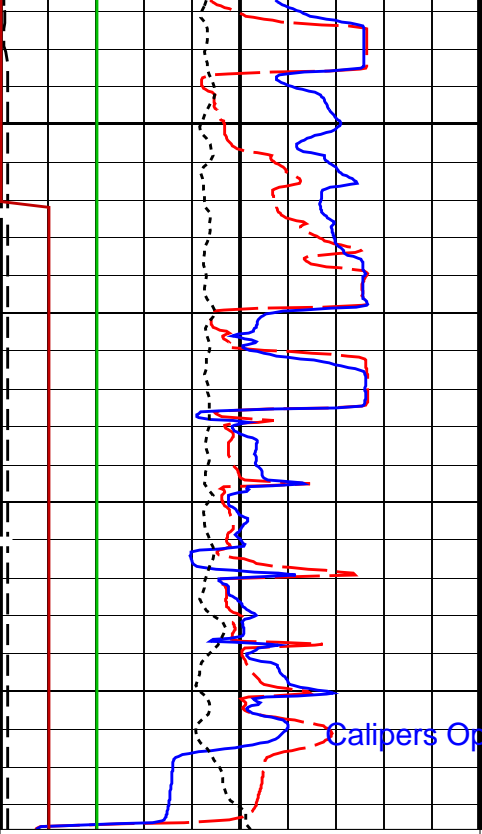


350

375

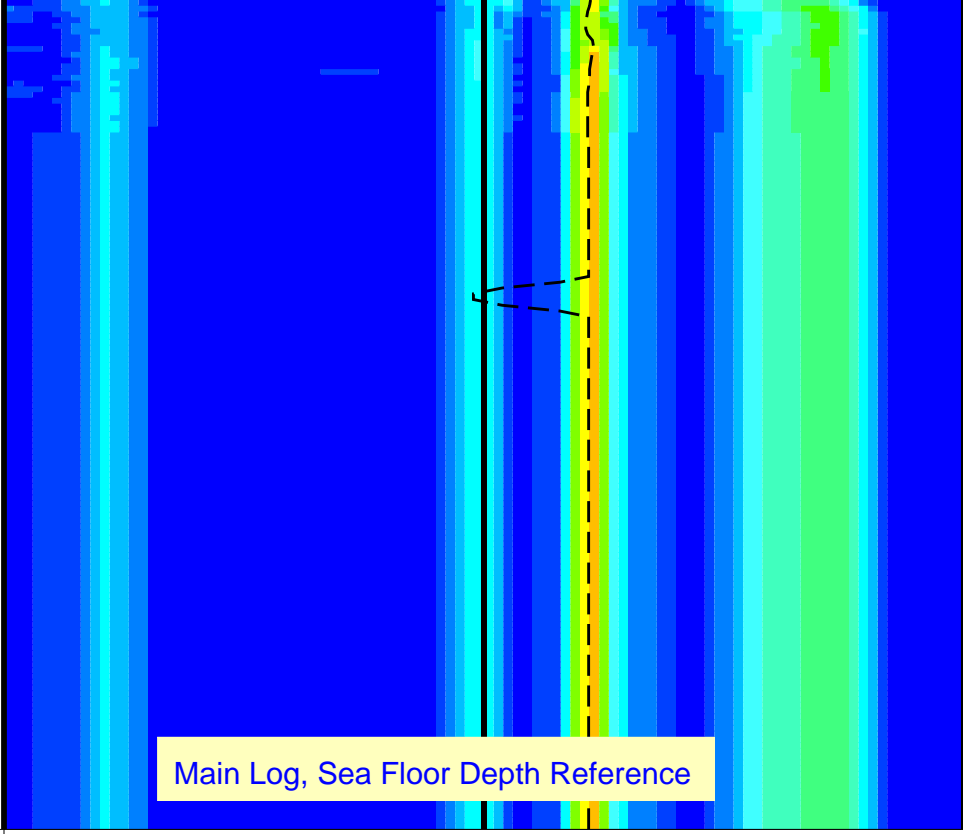






450

Calipers Opened TD



Main Log, Sea Floor Depth Reference

0	Caliper 1 (C1) (IN)	20
0	Caliper 2 (C2) (IN)	20
0	SAM4 Waveform Gain (WFG4) (-----)	1000
0	Poisson's Ratio (PR) (-----)	0.5
0	Gamma Ray (GR_EDTC) (GAPI)	150
10000	Tension (TENS) (LBF)	0
0	Waveform Data Copy Indicator 4 - Monopole P&S (WCI4) (-----)	10

40	Delta-T Comp / RA - P & S (DTRP) (US/F)	240
40	Delta-T Shear / RA - P & S (DTRS) (US/F)	240
Min	Amplitude	Max
40	Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	240

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
CASF	Label Casing Function - Monopole P&S	50
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	120 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	210 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
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	195 US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR

FILEG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	32	
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	BCR	
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	75	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	
WFM4	Waveform Mode 4	W1	
HNGS–BA:	Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
EDTC–B:	Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
DIR:	Directional Survey Computation		
SPVD	TVD of Starting Point	0	M
TIMD	Along–hole depth of Tie–in Point	0	M
TIVD	TVD of Tie–in Point	0	M
	System and Miscellaneous		
DO	Depth Offset for Playback	–3646.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24–Apr–2015 21:56

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_018LUP	FN:30	PRODUCER	17–Apr–2015 19:19	4114.8 M	3639.8 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_056PUP	FN:50	PRODUCER	24–Apr–2015 21:56		
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Company: Integrated Ocean Discovery Program Well: Expedition 355, Site U1456 C

Input DLIS Files

DEFAULT	FMS_DSI_NGS_018LUP	FN:30	PRODUCER	17–Apr–2015 19:19	4114.8 M	3639.8 M
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Output DLIS Files

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

Deviation at DSST Waveform Depth (DVWD)		
0	(DEG)	100
Relative Bearing at DSST Waveform Depth (RBWD)		
0	(DEG)	400
Azimuth at DSST Waveform Depth (AZWD)		
0	(DEG)	400
Waveform Data Copy Indicator X - Expert (WCIX)		
0	(----)	10
SAMX Waveform Gain (WFGX)		
0	(----)	1000
Bit Size (BS)		
6	(IN)	16

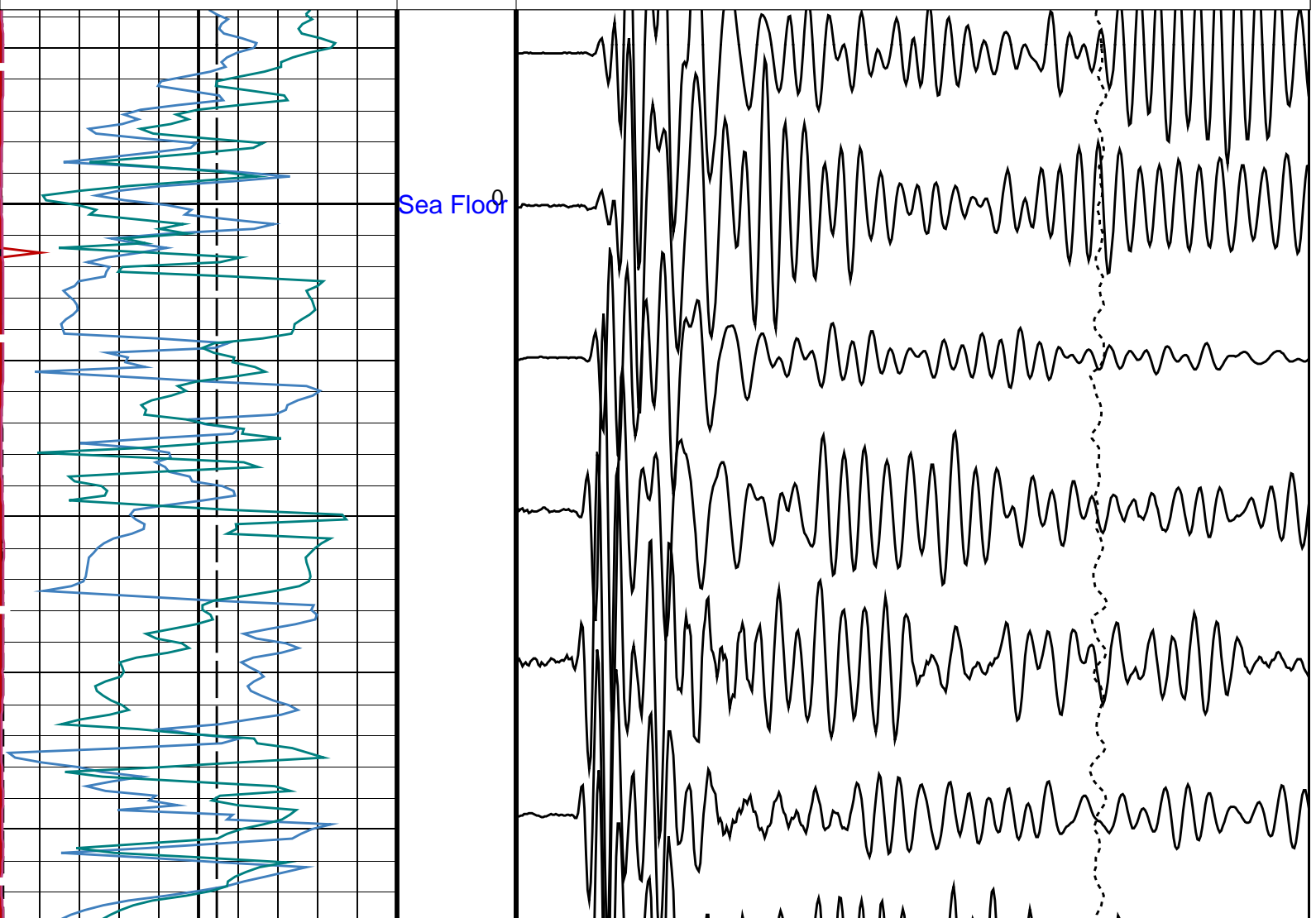
Main Log, Sea Floor Depth Reference

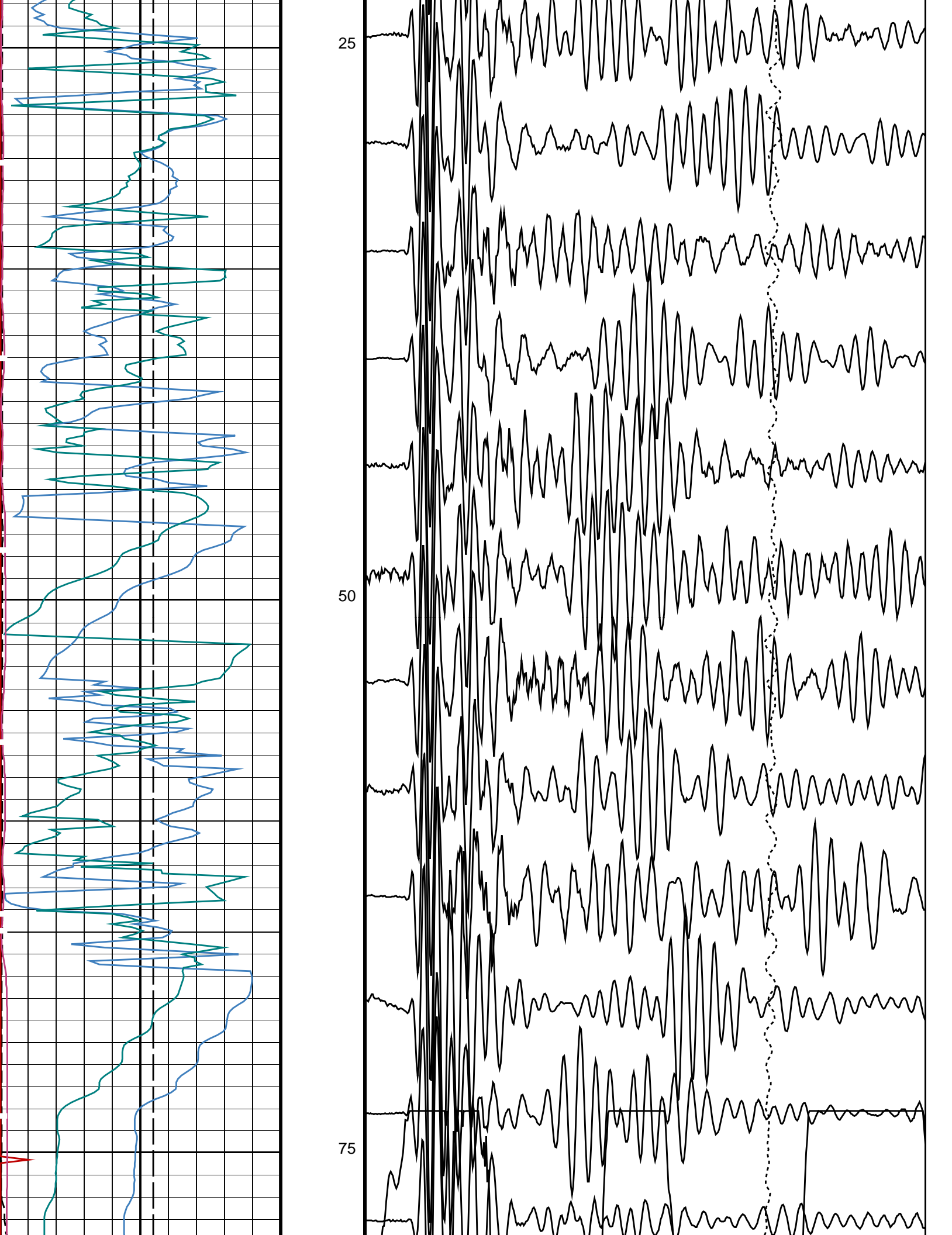
Tension (TENS)
(LBF)

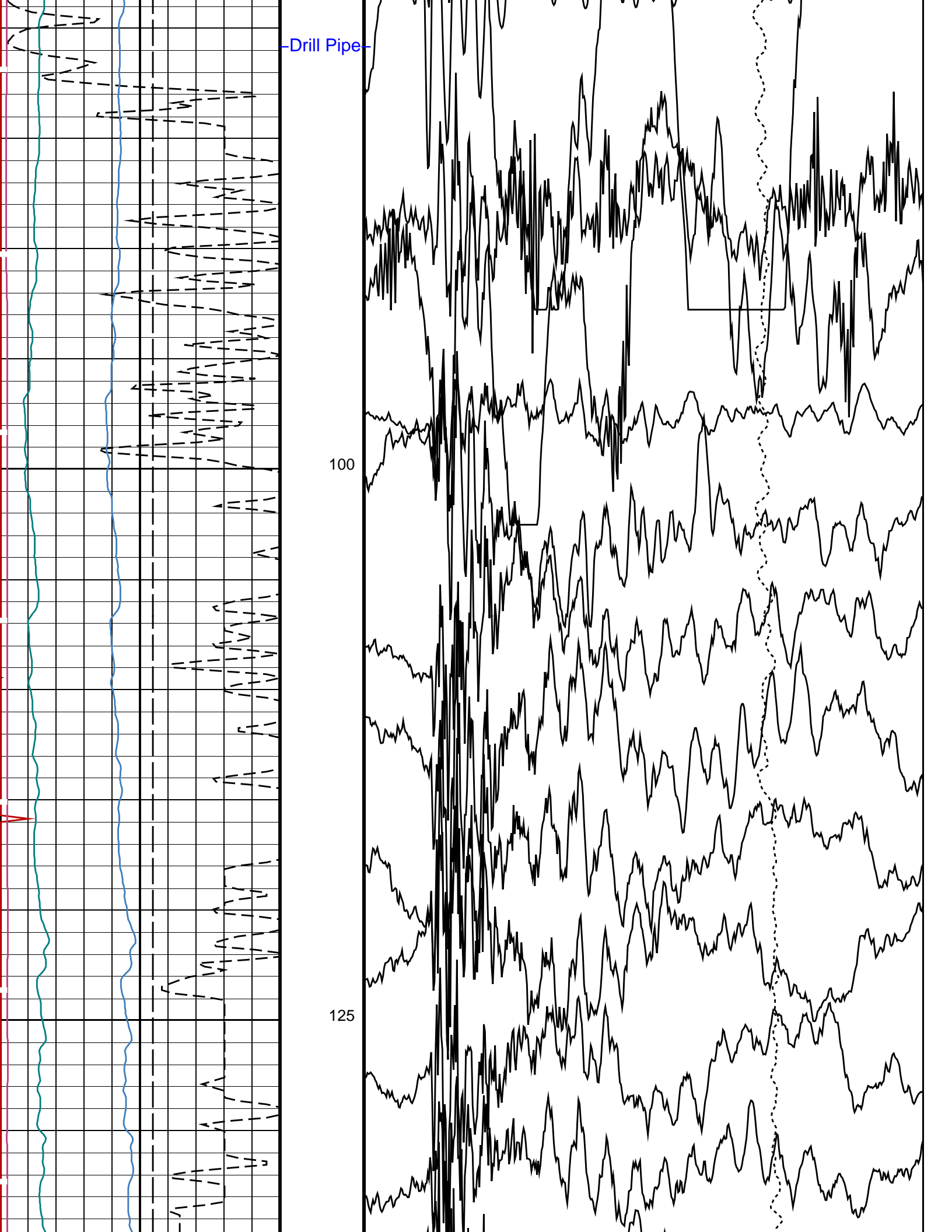
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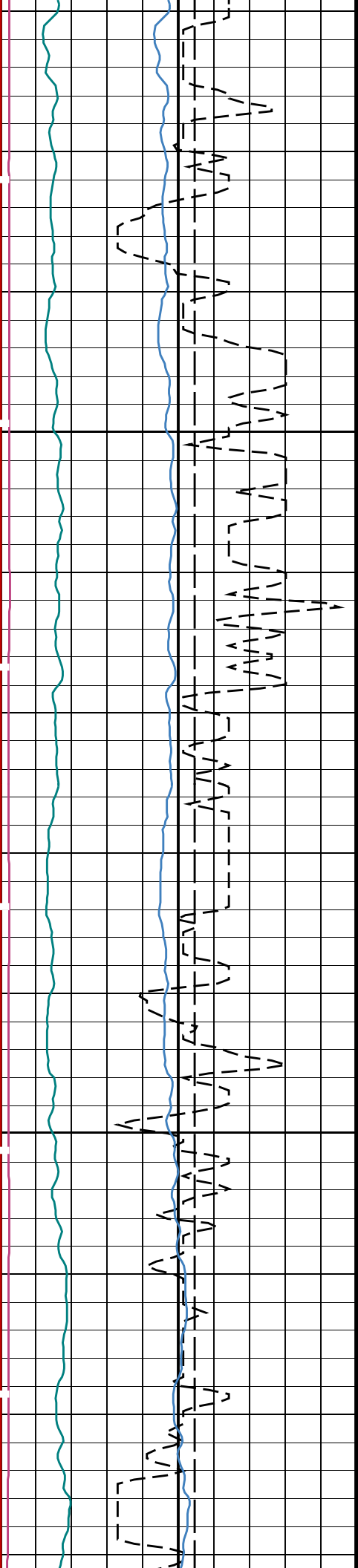
SAMX Waveforms (WFX)

0 (US) 20000



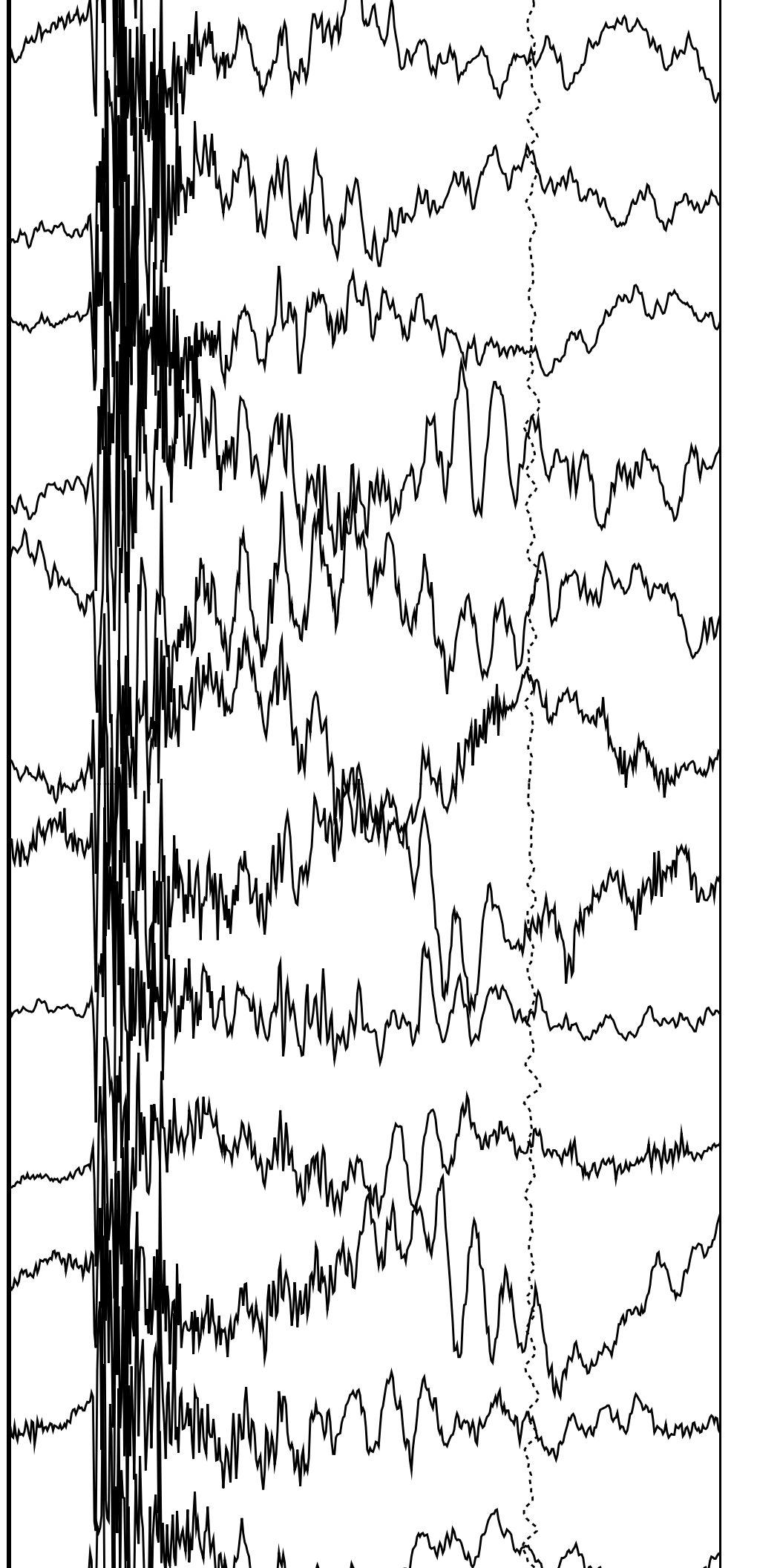






150

175

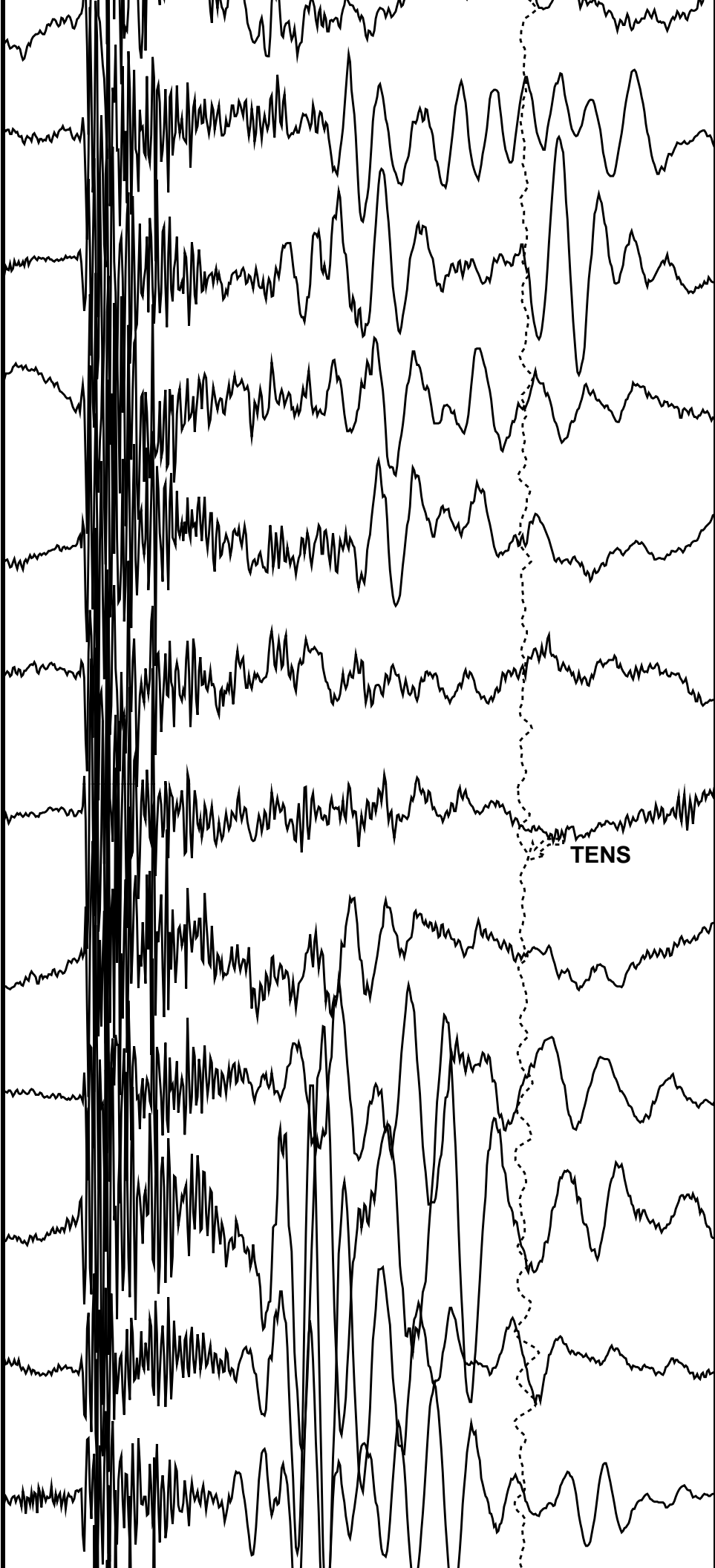


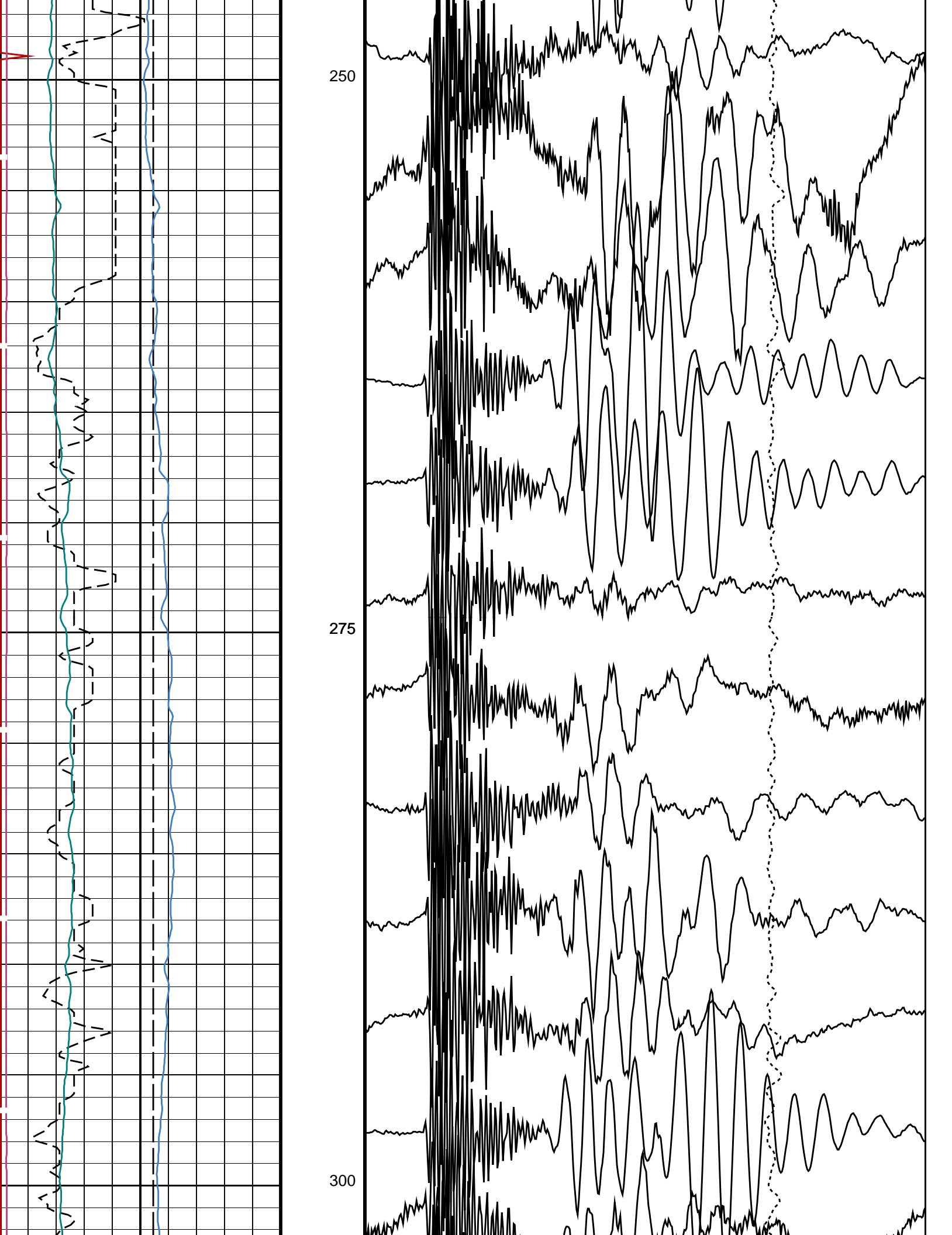


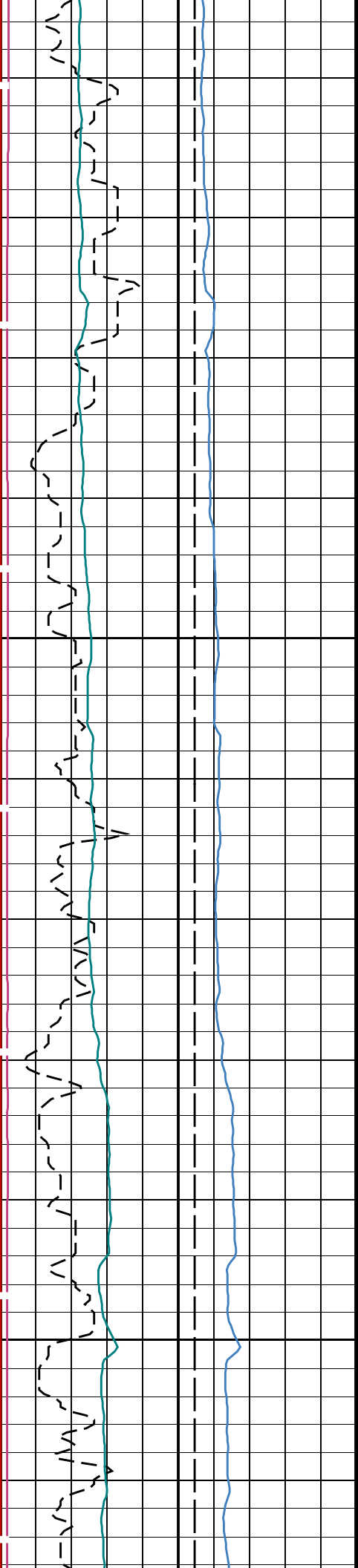
200

225

TENS

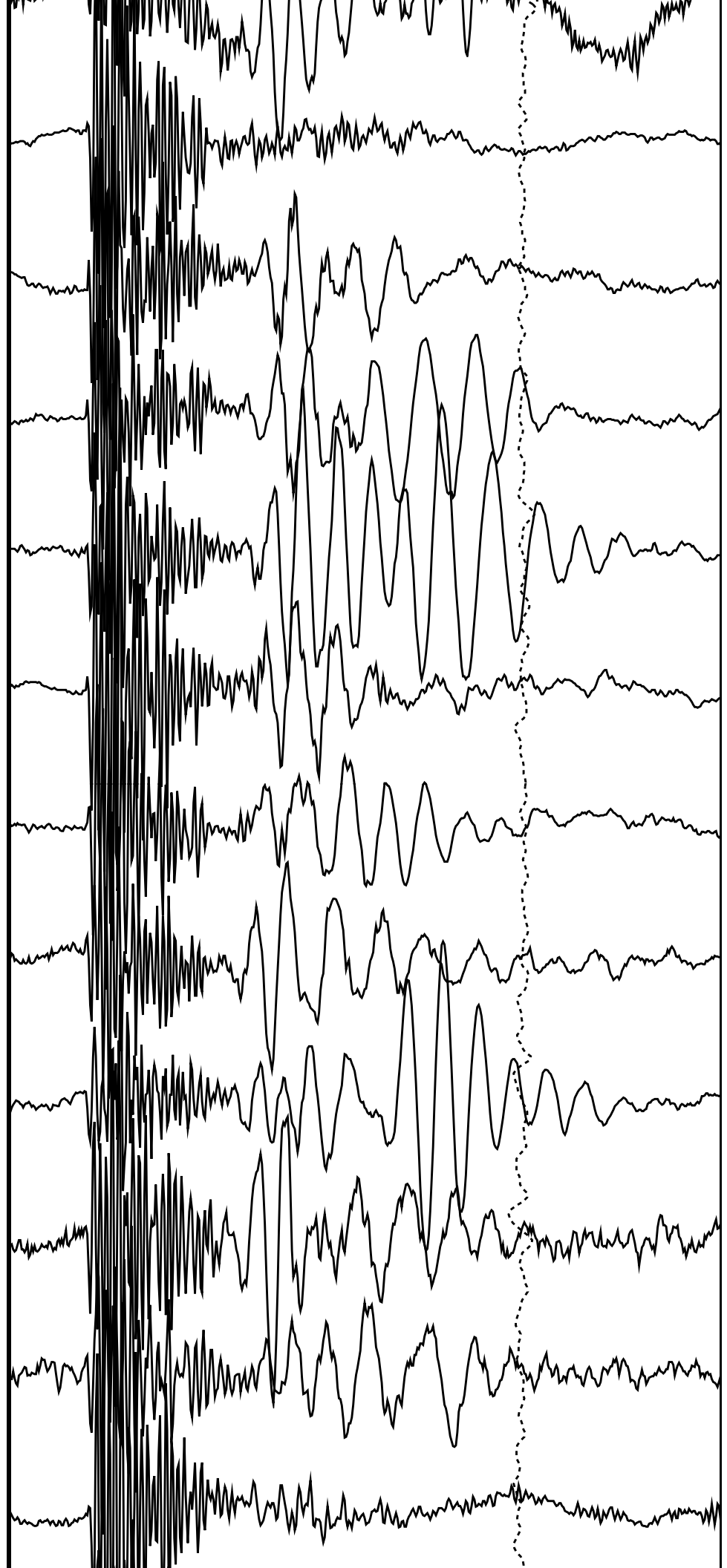


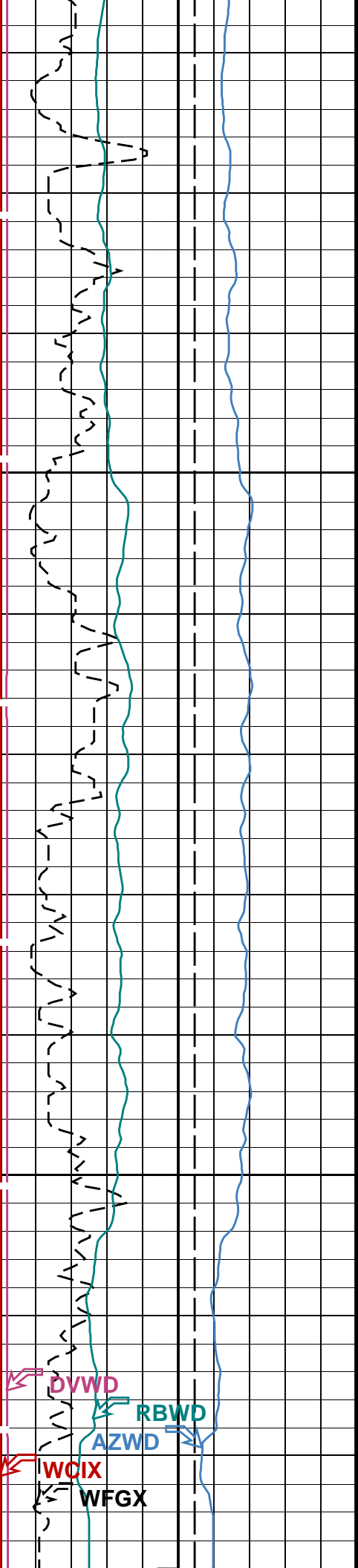




325

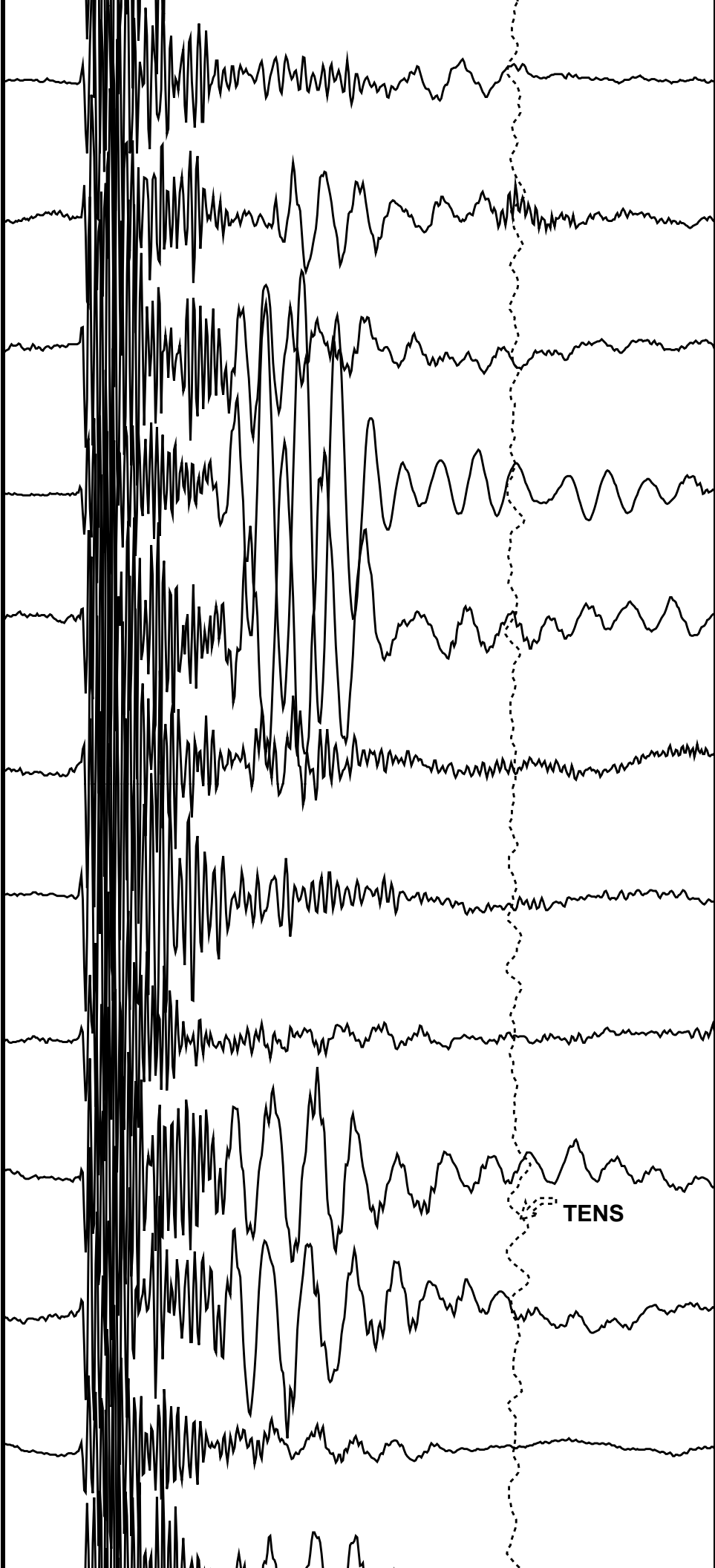
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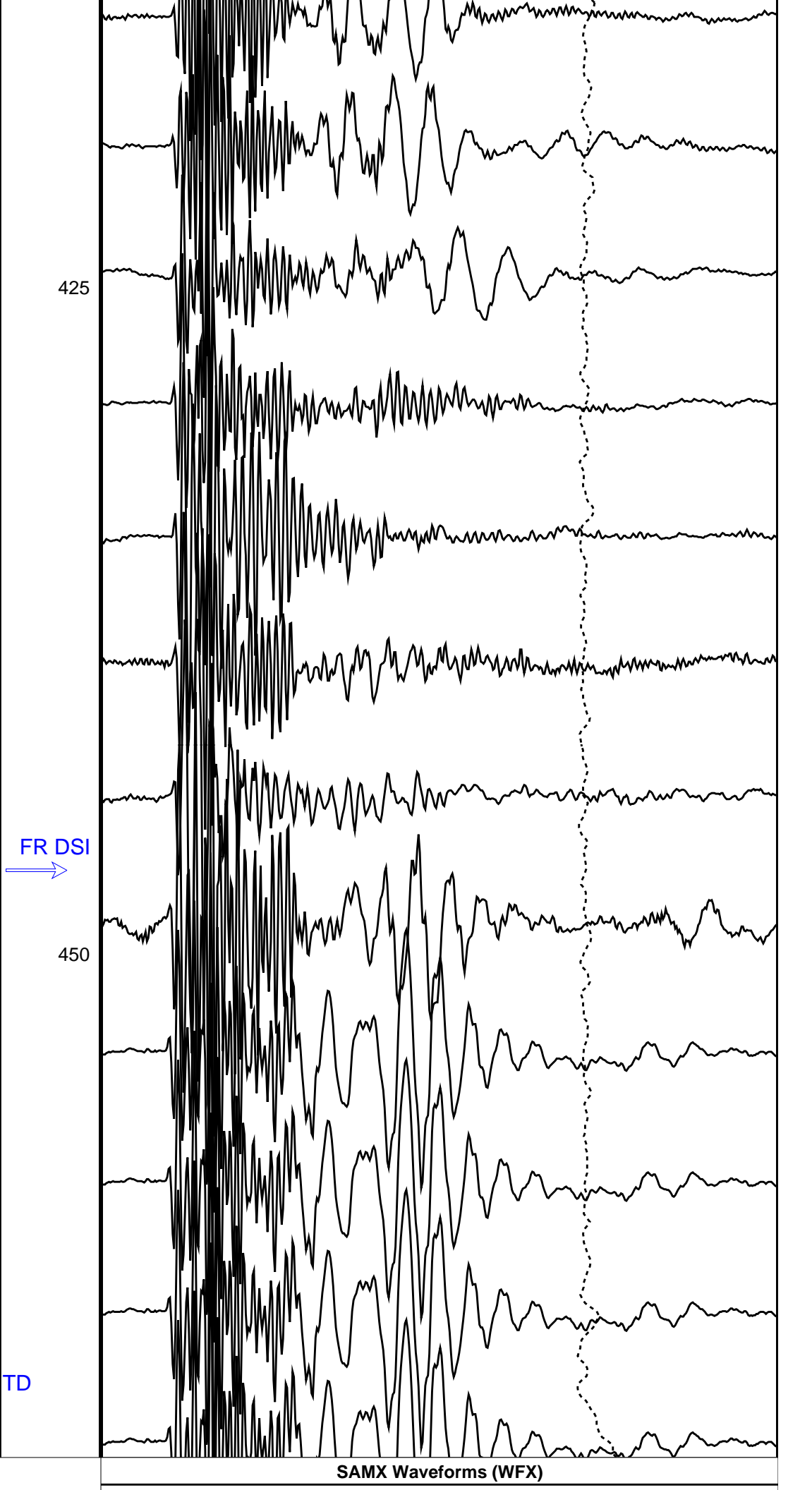
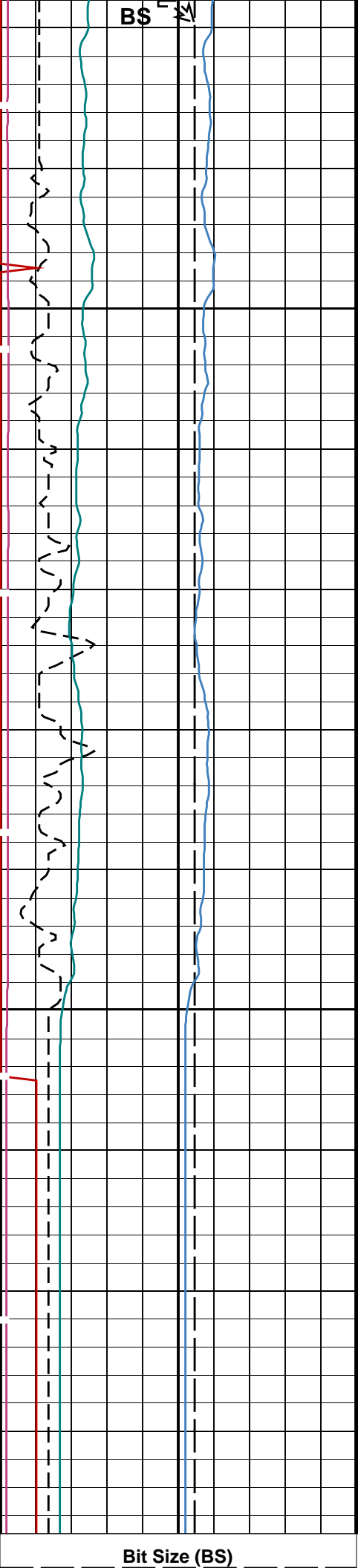


375

400



TENS



6	(IN)	16
SAMX Waveform Gain (WFGX)		
0	(-----)	1000
Waveform Data Copy Indicator X - Expert (WCIX)		
0	(-----)	10
Azimuth at DSST Waveform Depth (AZWD)		
0	(DEG)	400
Relative Bearing at DSST Waveform Depth (RBWD)		
0	(DEG)	400
Deviation at DSST Waveform Depth (DVWD)		
0	(DEG)	100

0	(US)	20000
Tension (TENS)		
10000	(LBF)	0

Main Log, Sea Floor Depth Reference

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
DWCX	Digitizer Word Count X	512
LTXG	Lower Dipole Transmitter Geometry	156 IN
MTXG	Monopole Transmitter Geometry	186 IN
NWIX	Number Waveform Items X	32
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
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	BCR
UTXG	Upper Dipole Transmitter Geometry	162 IN
WFMX	Waveform Mode X	W1
DIR: Directional Survey Computation		
SPVD	TVD of Starting Point	0 M
TIMD	Along-hole depth of Tie-in Point	0 M
TIVD	TVD of Tie-in Point	0 M
System and Miscellaneous		
BS	Bit Size	11.438 IN
DO	Depth Offset for Playback	-3646.0 M
PP	Playback Processing	NORMAL

Format: DSST_WFX_WAVES Vertical Scale: 1:200 Graphics File Created: 24-Apr-2015 21:56

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_018LUP	FN:30	PRODUCER	17-Apr-2015 19:19	4114.8 M	3639.8 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_056PUP	FN:50	PRODUCER	24-Apr-2015 21:56
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Input DLIS Files

DEFAULT FMS_DSI_NGS_017LUP FN:28 PRODUCER 17-Apr-2015 18:28 4114.8 M 3773.0 M

Output DLIS Files

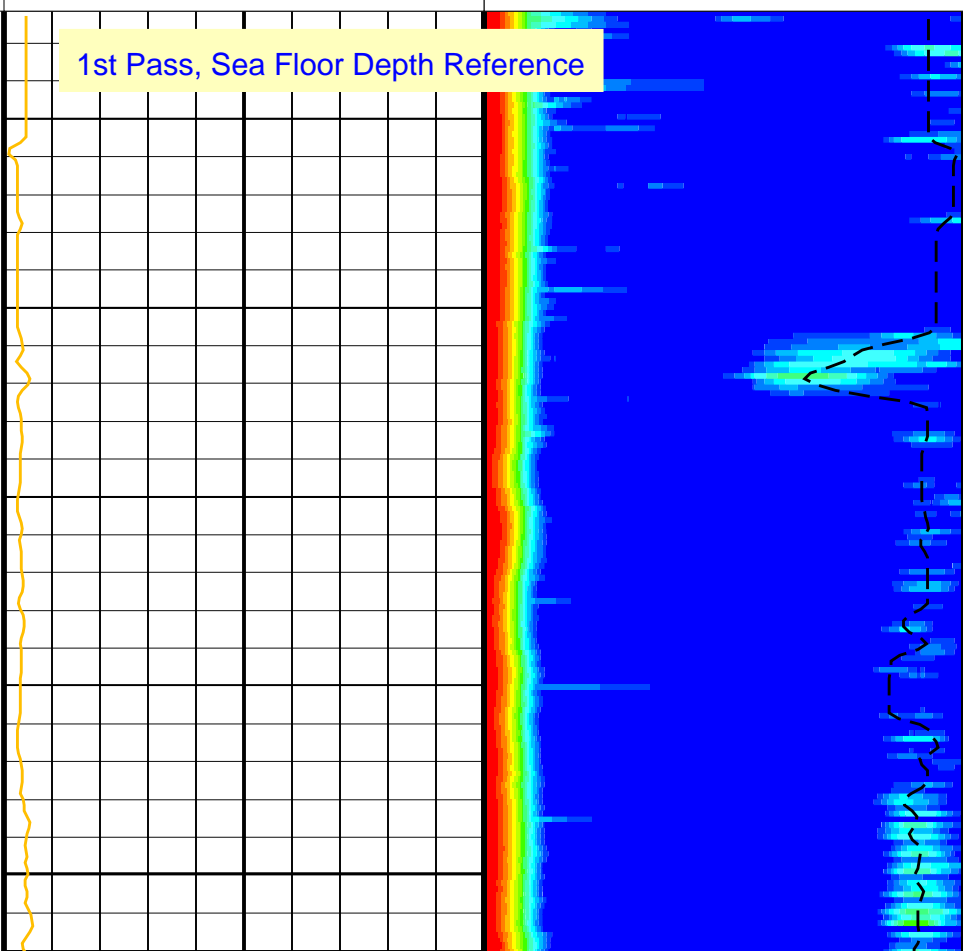
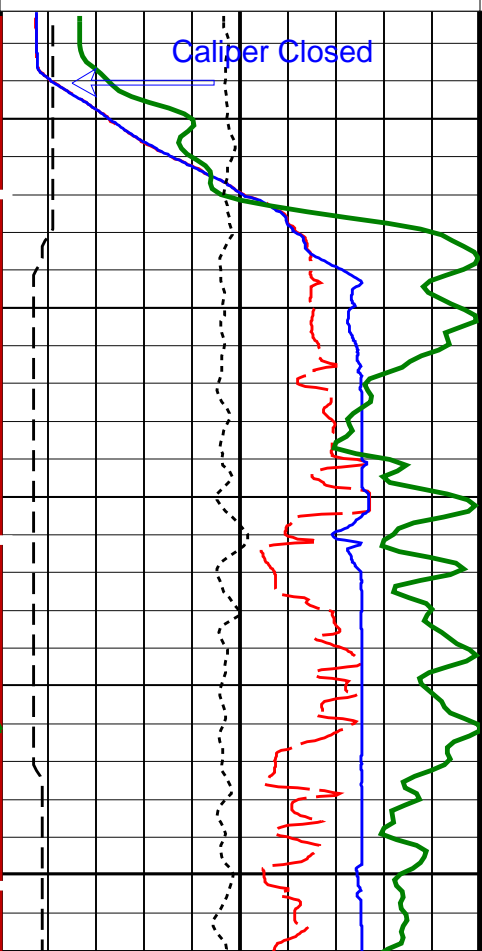
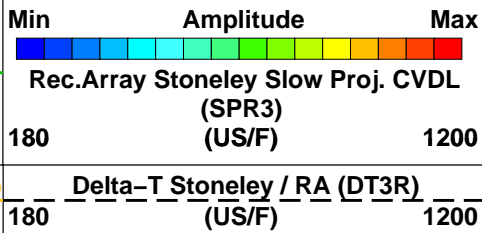
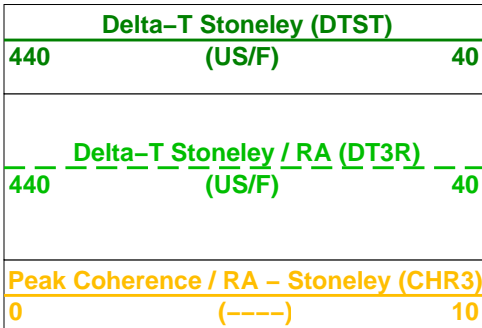
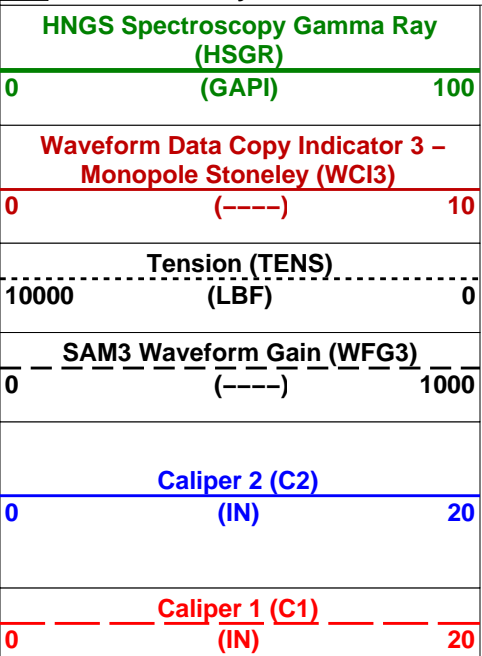
DEFAULT FMS_DSI_NGS_062PUP FN:56 PRODUCER 25-Apr-2015 00:10 468.6 M 127.1 M

OP System Version: 19C0-187

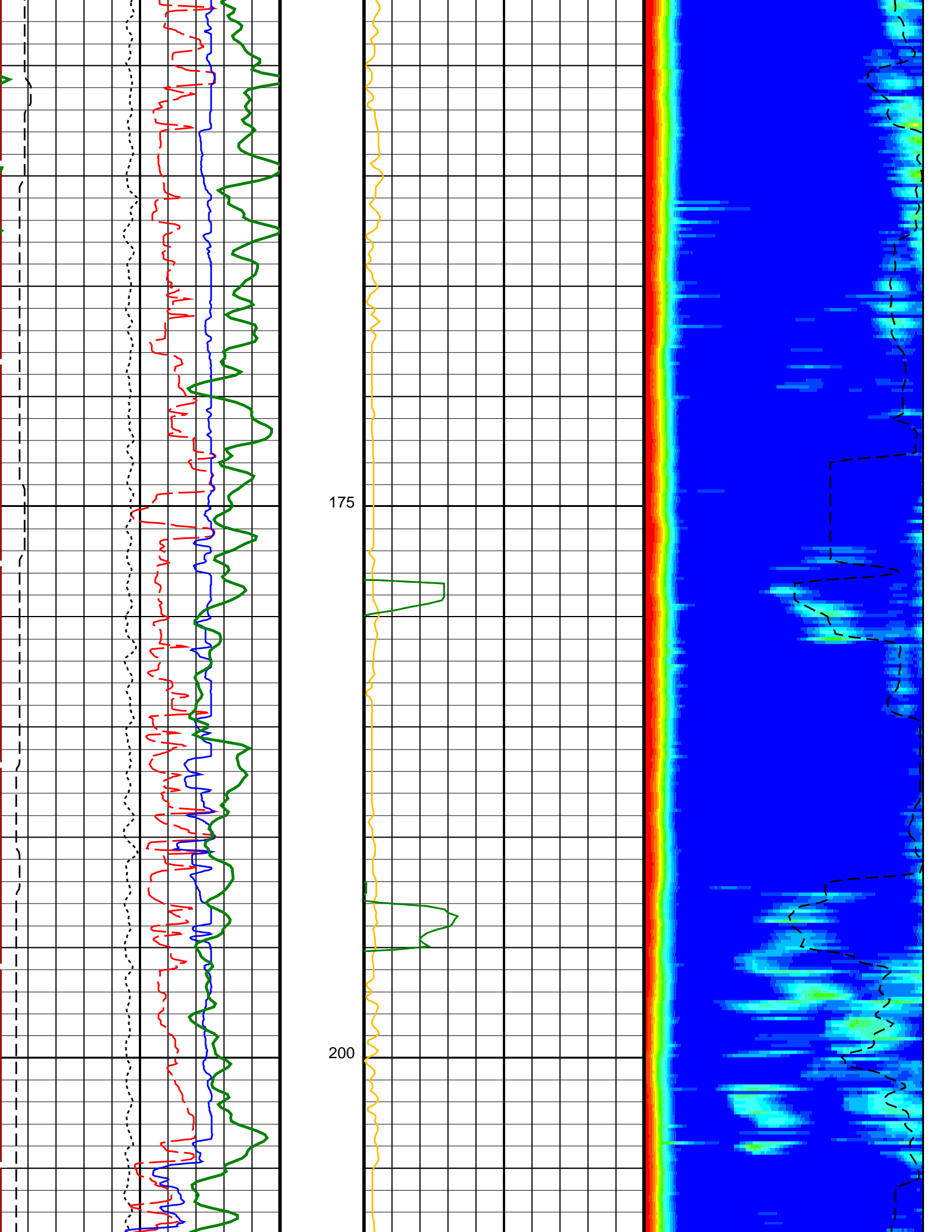
MEST-B 19C0-187 DTA-A 19C0-187
 DSST-B 19C0-187 HNGC-B 19C0-187
 HNGS-BA 19C0-187 EDTC-B SKK-5169-EDTCB

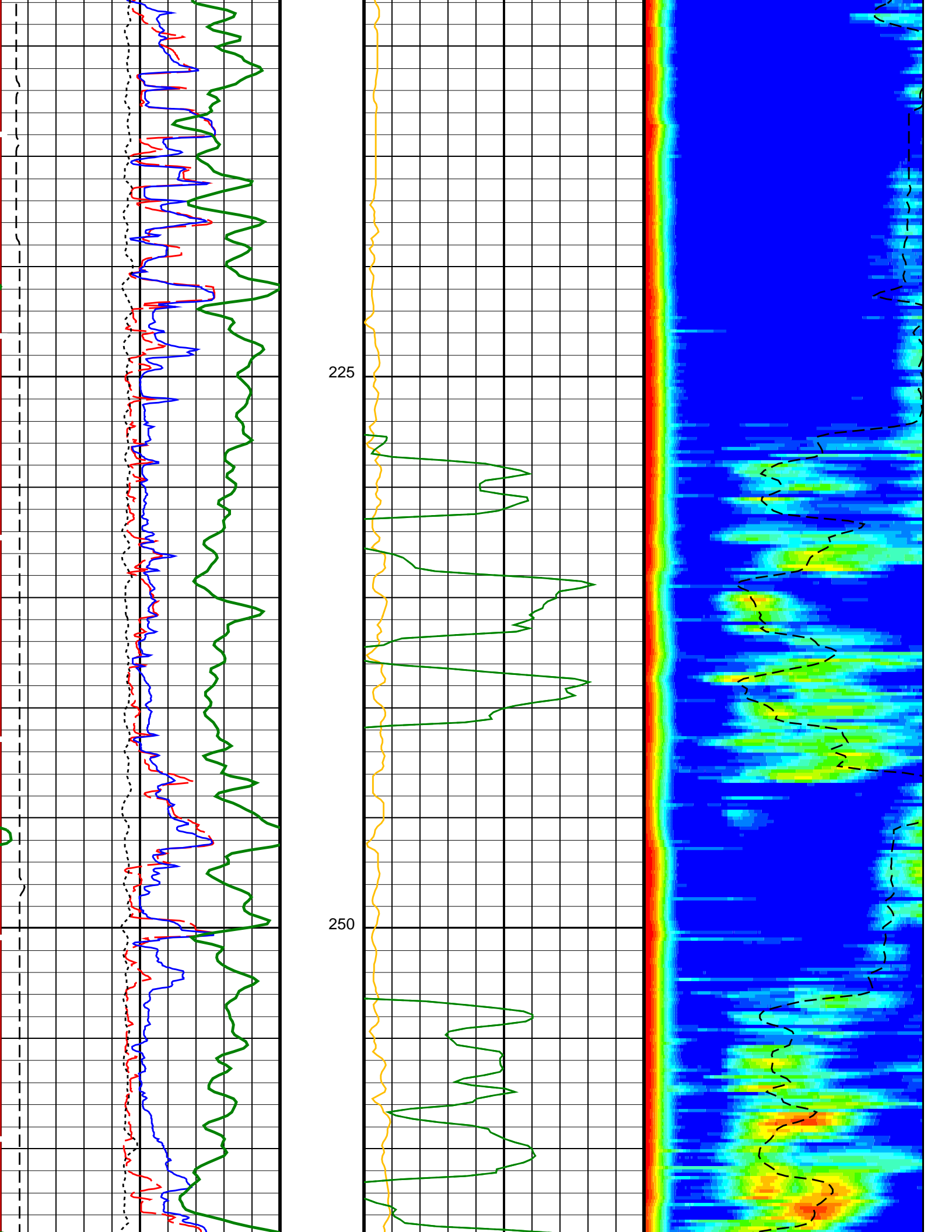
PIP SUMMARY

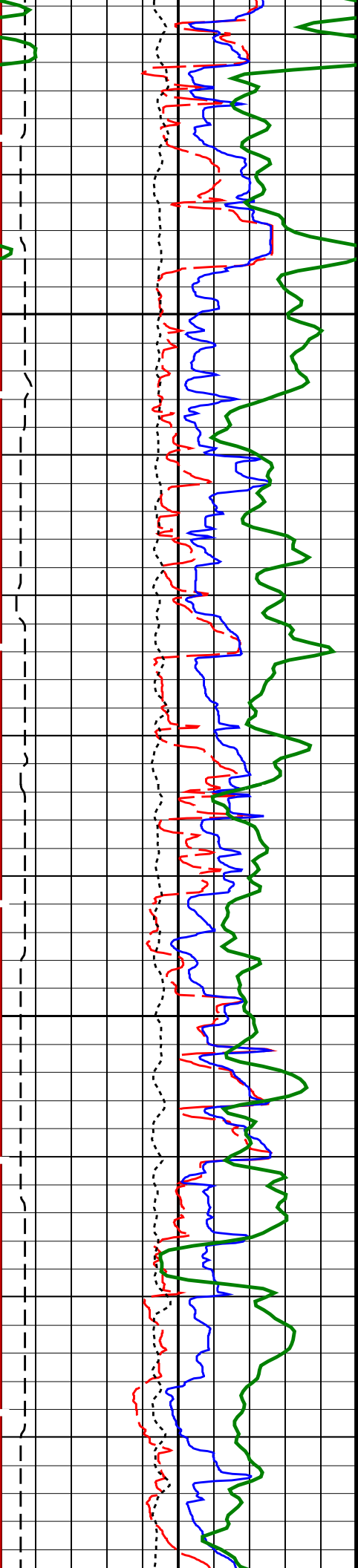
Time Mark Every 60 S



150

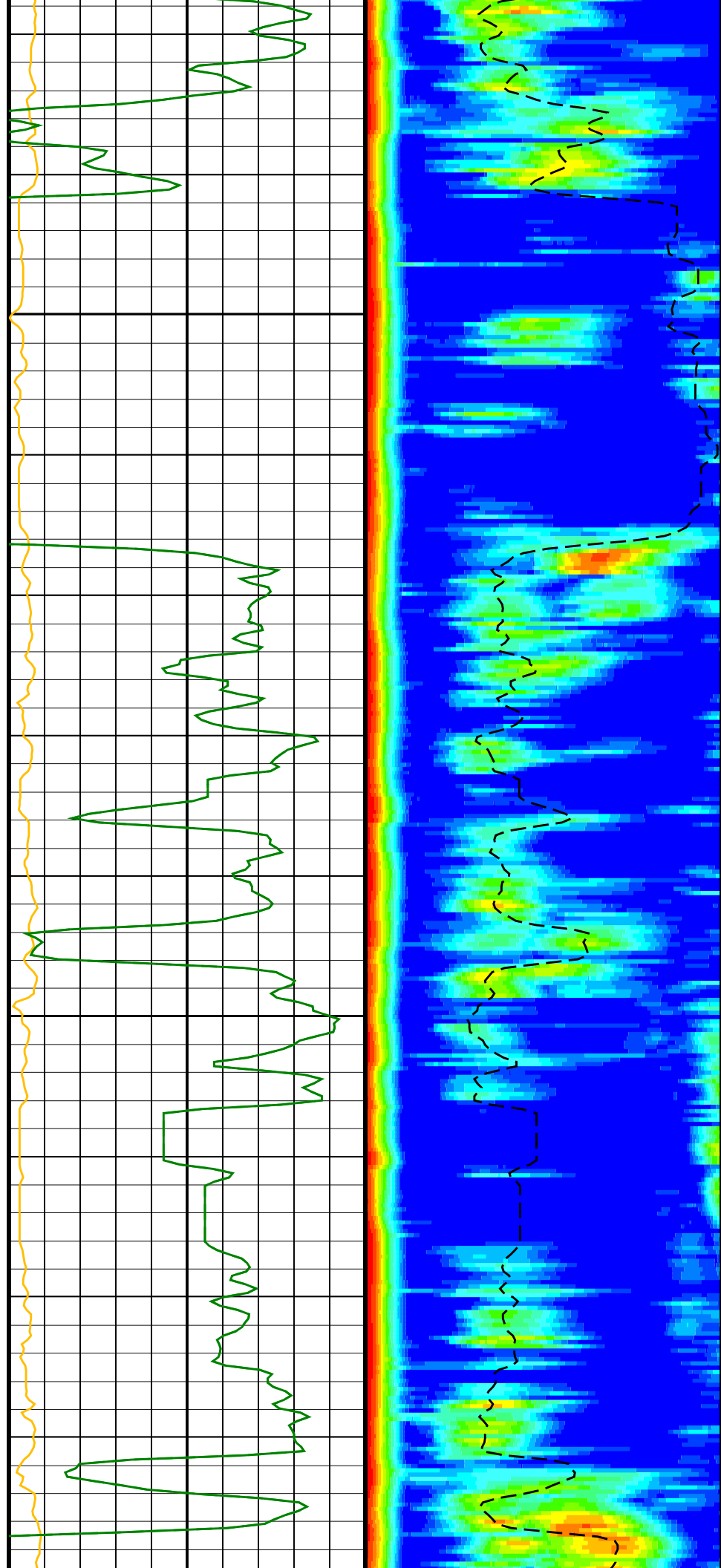


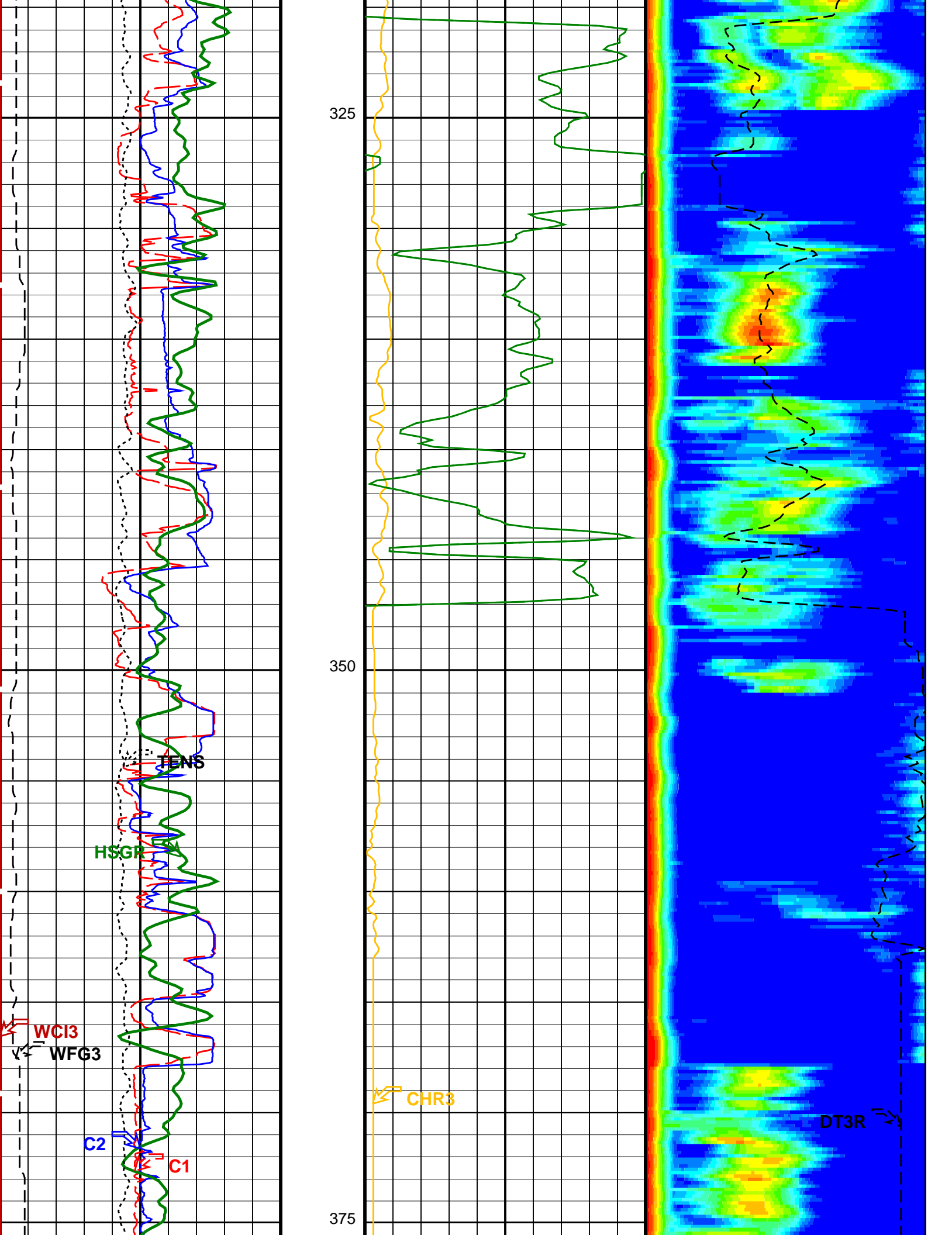


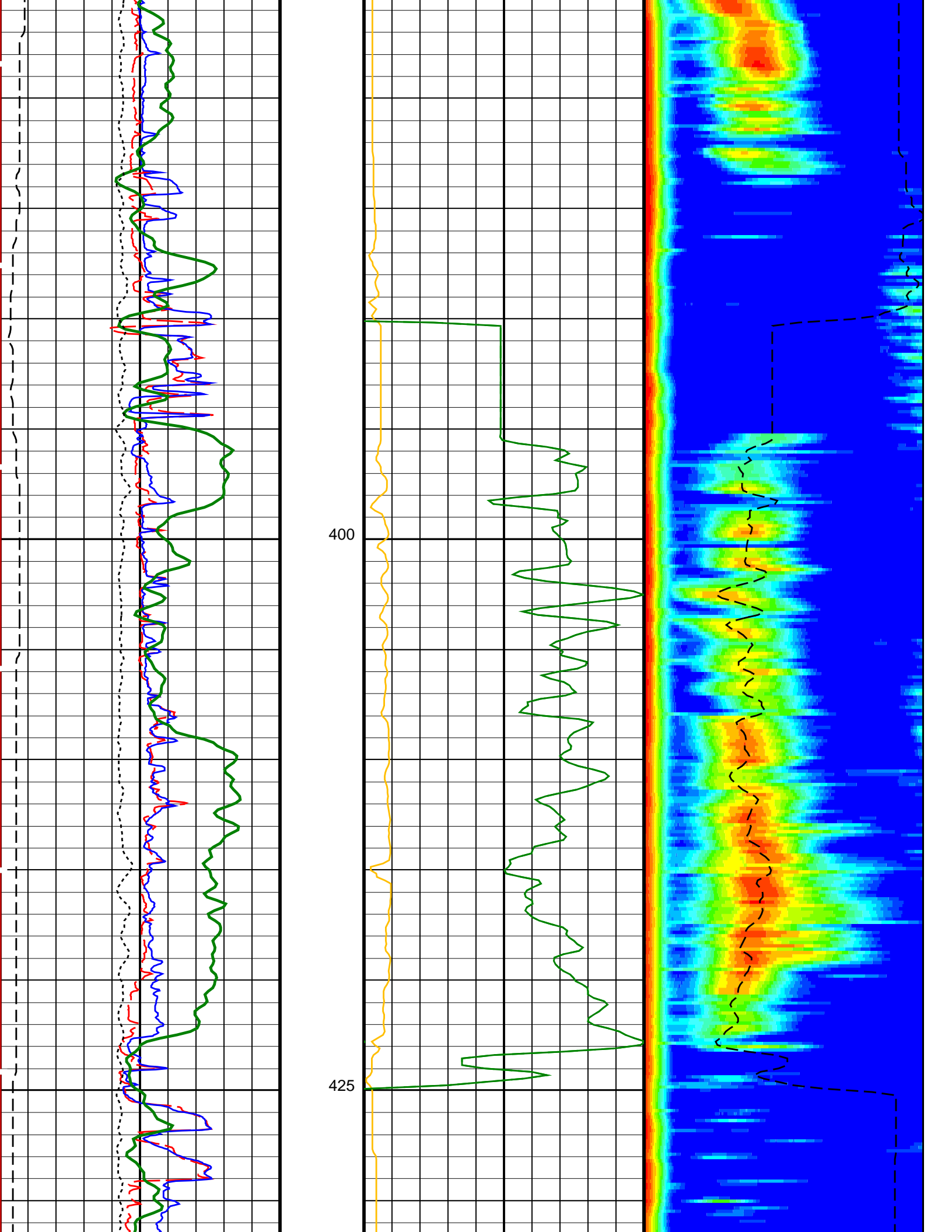


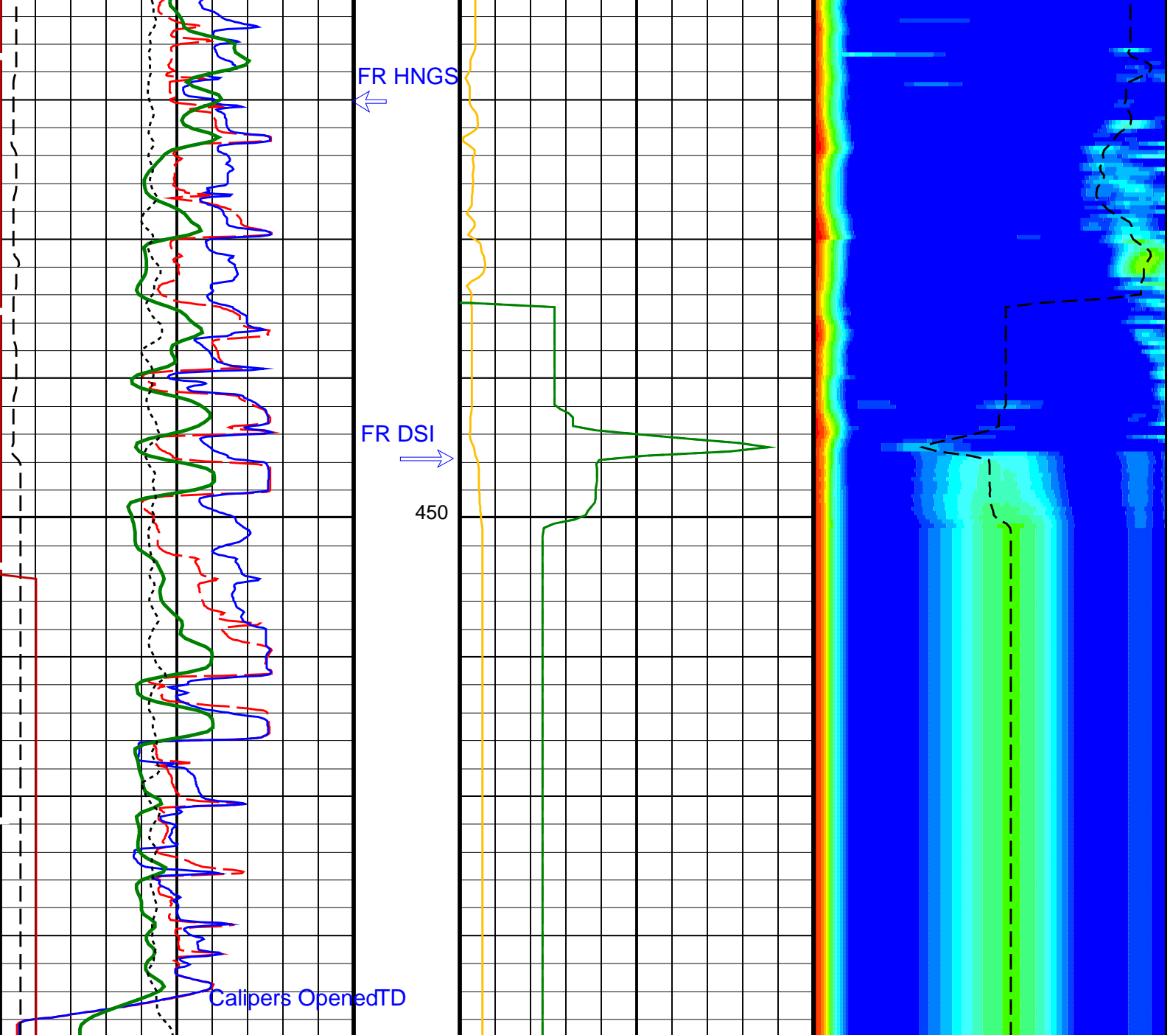
275

300









Caliper 1 (C1)
(IN) 0 20

Caliper 2 (C2)
(IN) 0 20

SAM3 Waveform Gain (WFG3)
(----) 0 1000

Tension (TENS)
(LBF) 10000 0

Waveform Data Copy Indicator 3 -
Monopole Stoneley (WC13)
(----) 0 10

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

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

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

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

Delta-T Stoneley / RA (DT3R)
(US/F) 180 1200

Min Amplitude Max
Rec.Array Stoneley Slow Proj. CVDL
(SPR3)
(US/F) 180 1200

1st Pass, Sea Floor Depth Reference

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
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	
GCSE	Generalized Caliper Selection	C1	
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	EVEN	
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	75	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	1200	US/F
SUL3	STC Slowness Upper Limit - Monopole Stoneley	1200	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	600	US
TST3	STC Time Step - Monopole Stoneley	200	US
TUL3	STC Time Upper Limit - Monopole Stoneley	15800	US
TWD3	STC Time Width - Monopole Stoneley	2000	US
TWIX	STC Integration Time Window - Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM3	Waveform Mode 3	W1	
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	-0.00319592	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.968045	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.971514	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
System and Miscellaneous			
BS	Bit Size	11.438	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	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_NGS_017LUP	FN:28	PRODUCER	17-Apr-2015 18:28	4114.8 M	3773.0 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_062PUP	FN:56	PRODUCER	25-Apr-2015 00:10		
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Input DLIS Files

DEFAULT	FMS_DSI_NGS_017LUP	FN:28	PRODUCER	17-Apr-2015 18:28	4114.8 M	3773.0 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_051PUP	FN:45	PRODUCER	24-Apr-2015 20:29	468.6 M	127.1 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	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

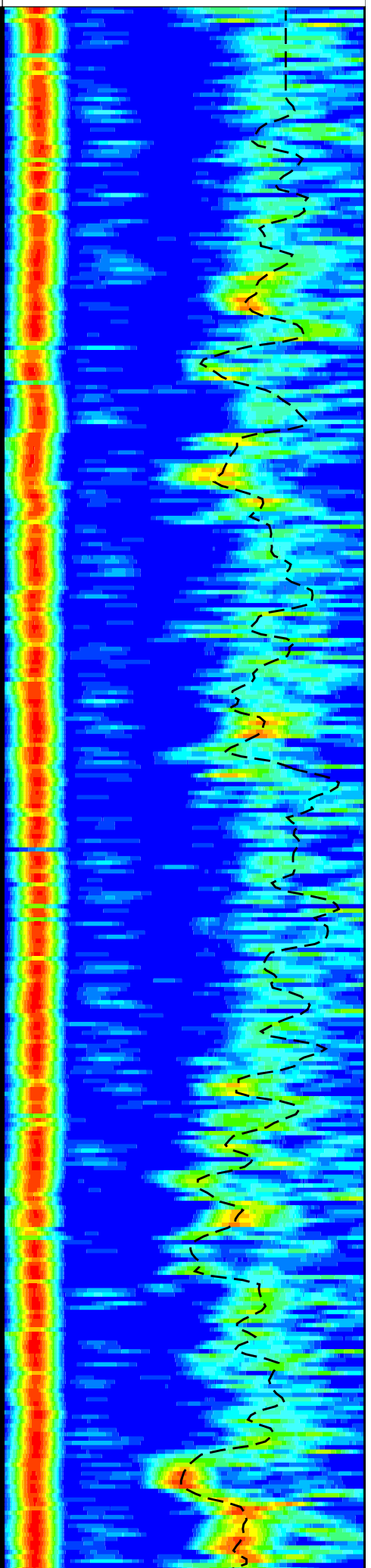
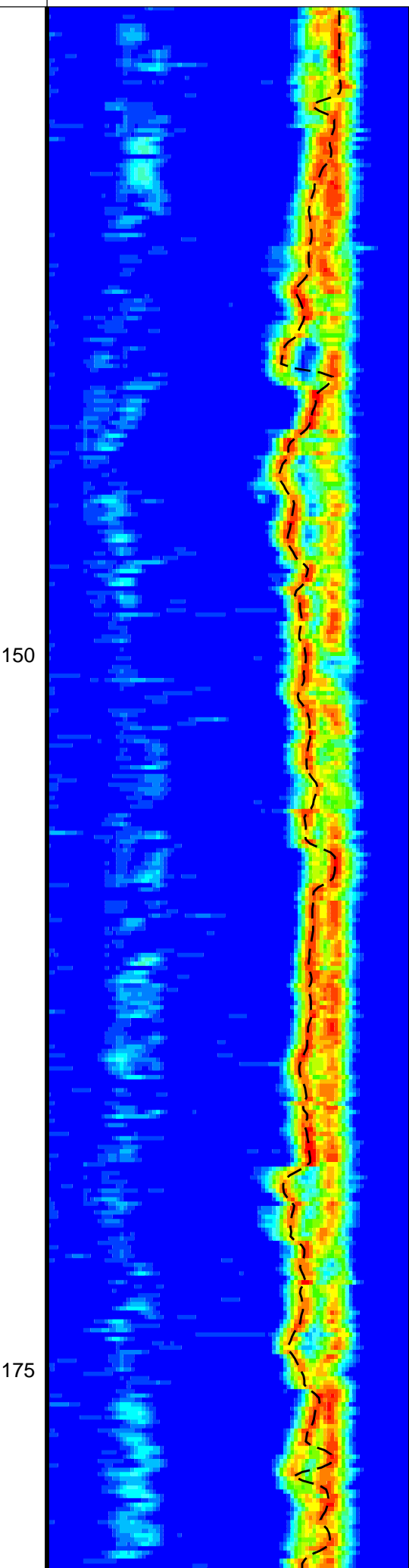
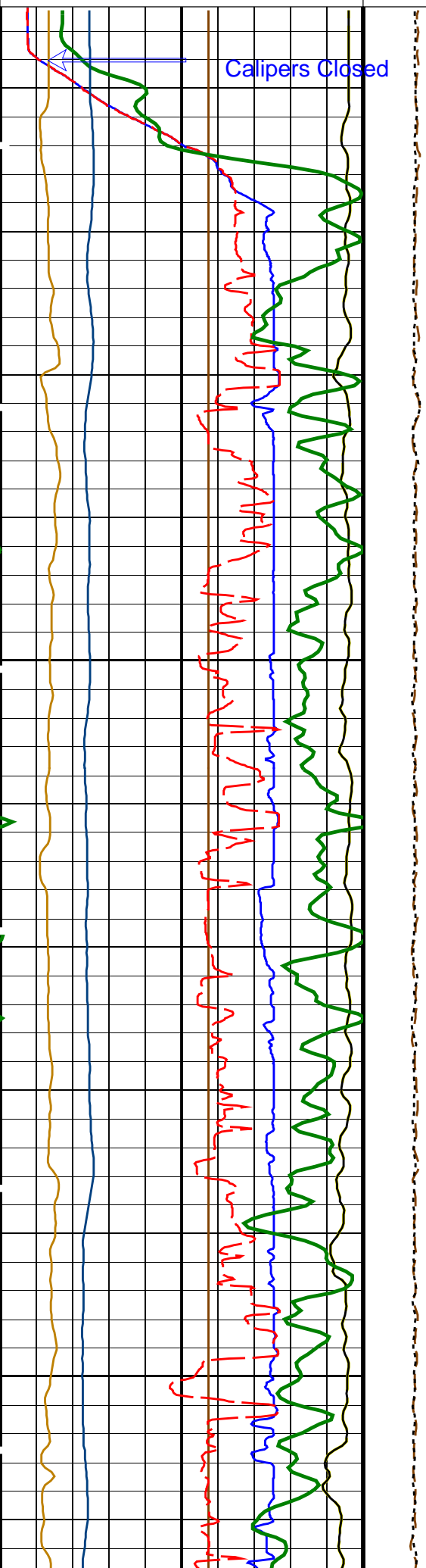
Time Mark Every 60 S

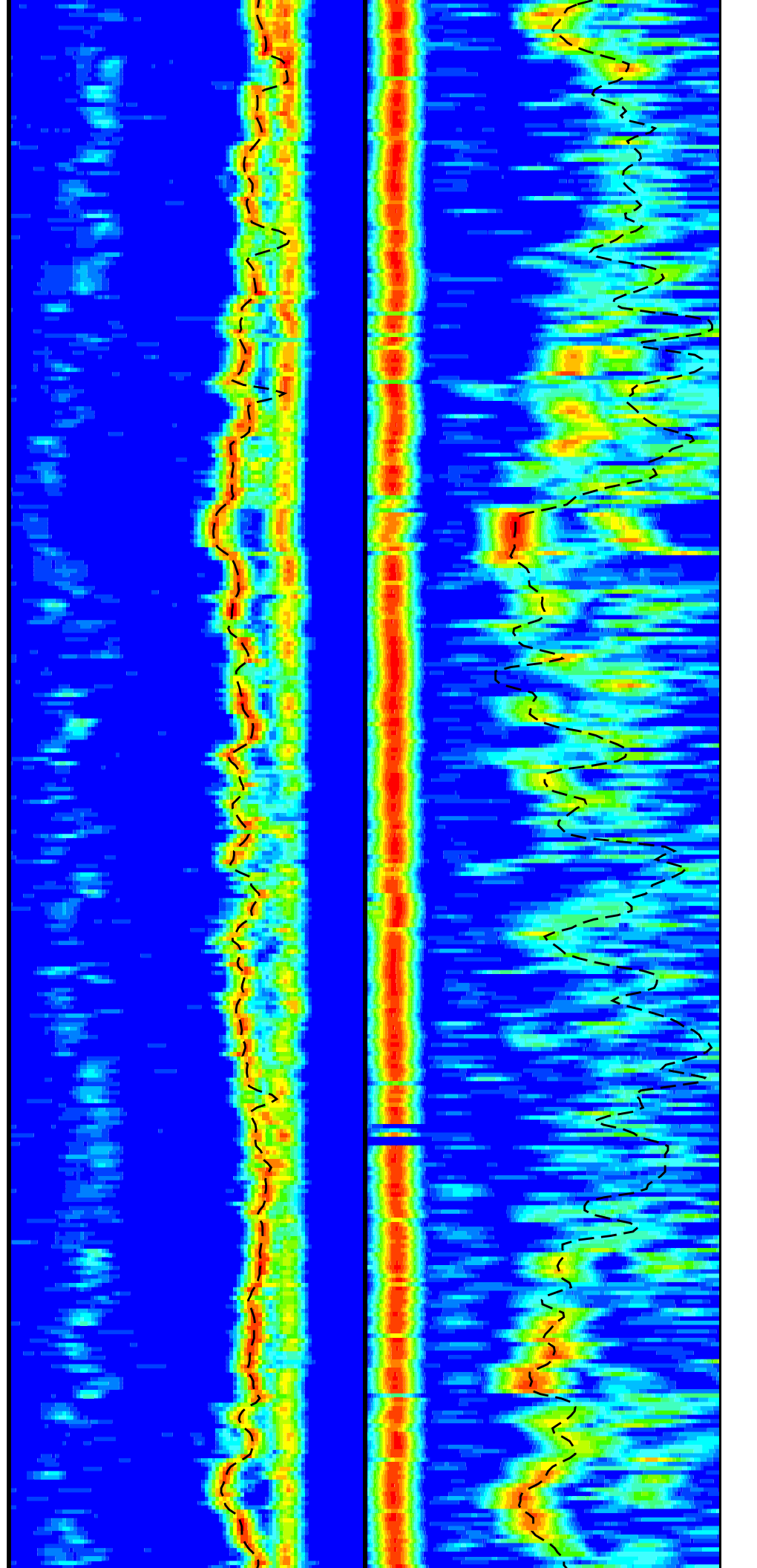
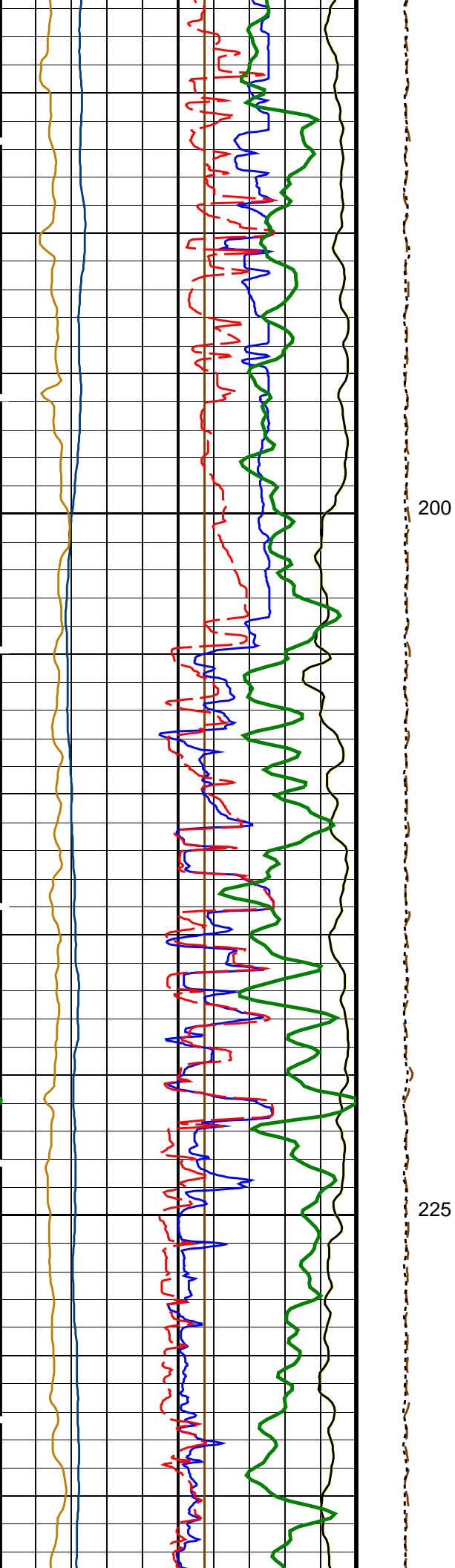
HNGS Spectroscopy Gamma Ray (HSGR)			
0 (GAPI) 100			
Poisson's Ratio (PR)			
0 (----) 0.5			
Sonic Velocity (SVEL)			
1000 (M/S) 6000			
Sonde Deviation (SDEVM)			
0 (DEG) 10			
Poisson's Ratio (PR)			
0 (----) 0.5			
Caliper 1 (C1)			
0 (IN) 20			
Caliper 2 (C2)			
0 (IN) 20			
Bit Size (BS)			
0 (IN) 20			

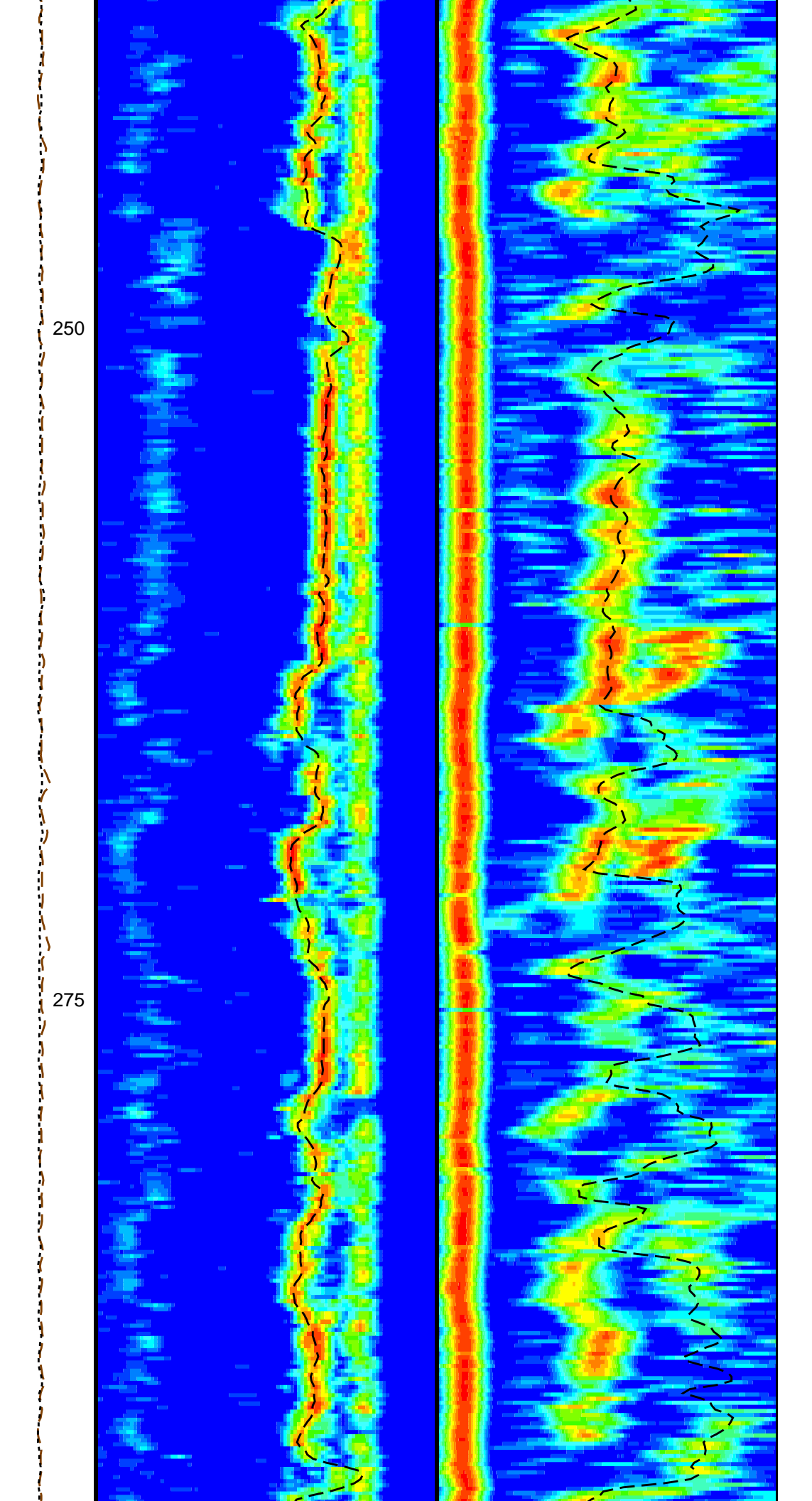
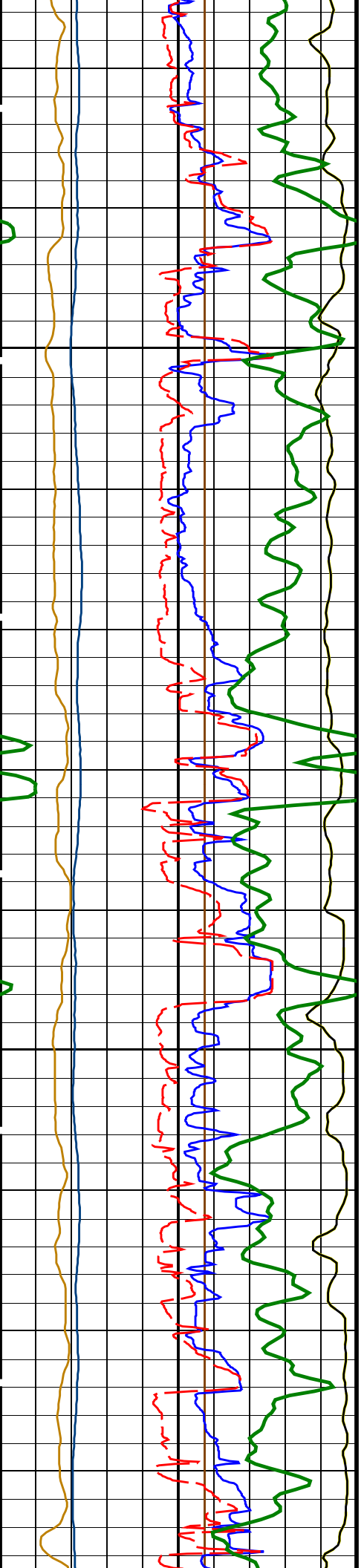
1st Pass, Sea Floor Depth Reference

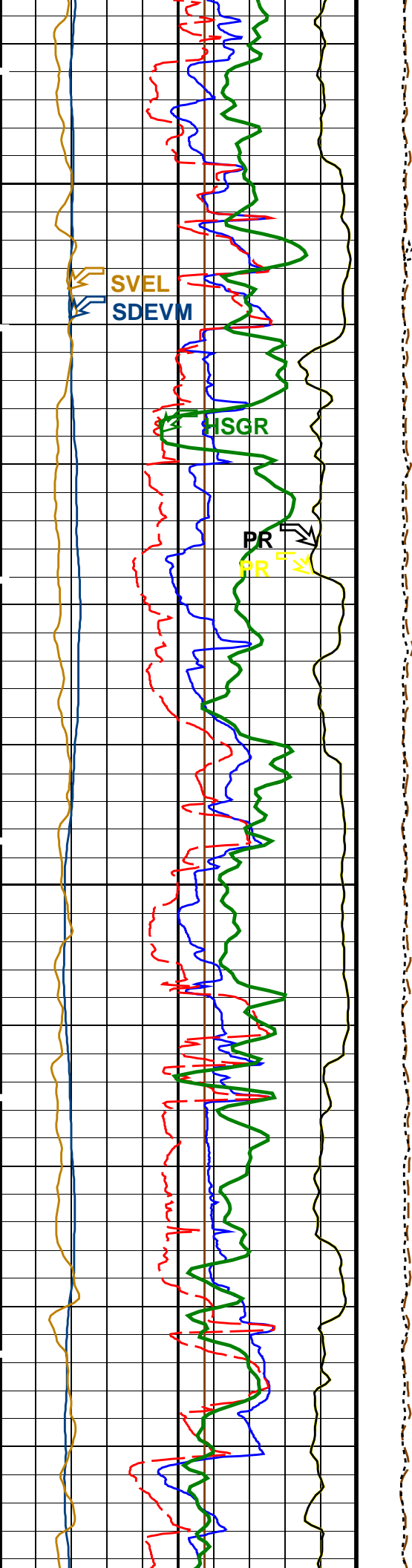
Calibrated Downhole Force (CDF) (LBF)	Delta-T Shear / RA - P & S (DTRS)	Delta-T Shear / RA - Upper Dipole (DT2R)
3000 0	40 (US/F) 240	75 (US/F) 1200

Calipers Closed





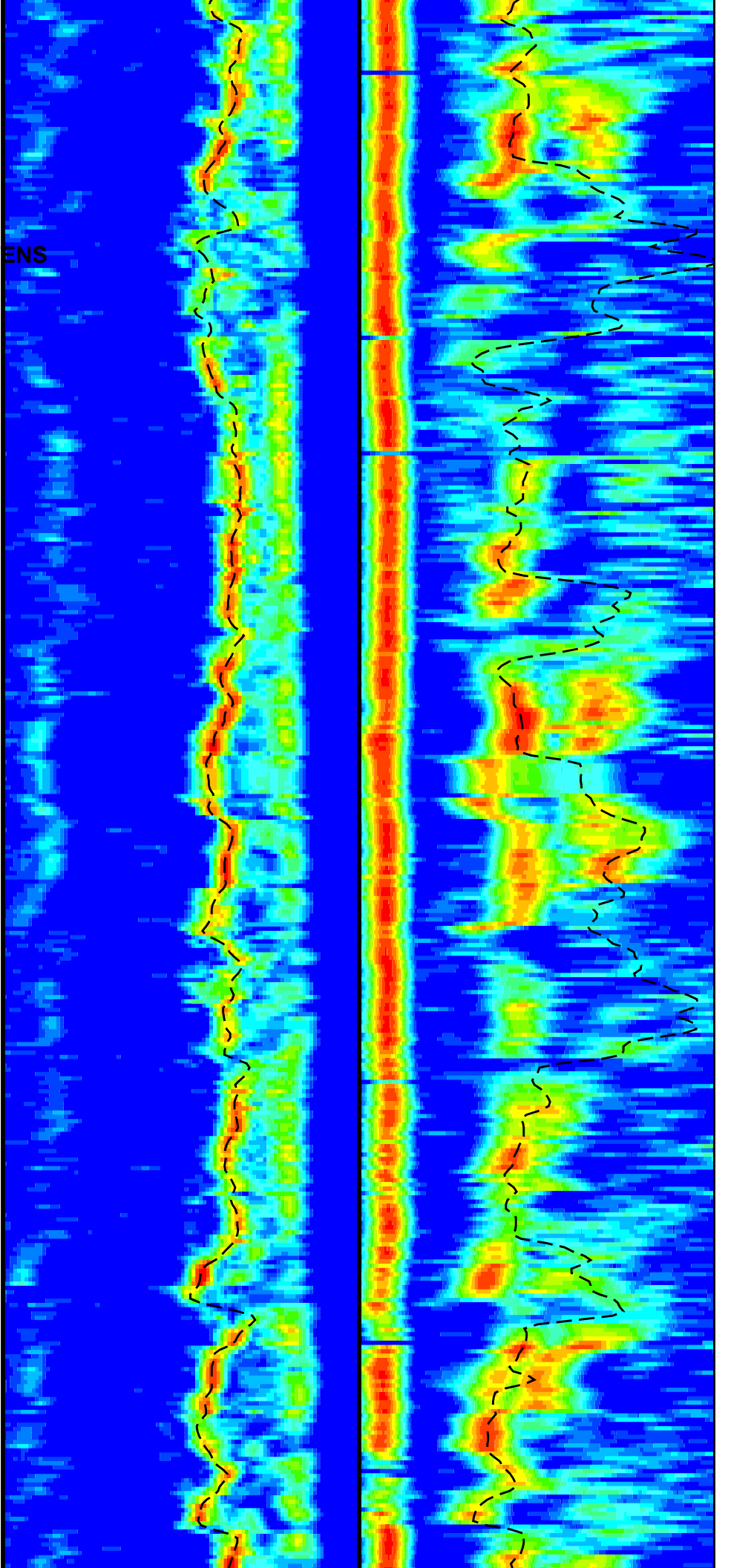


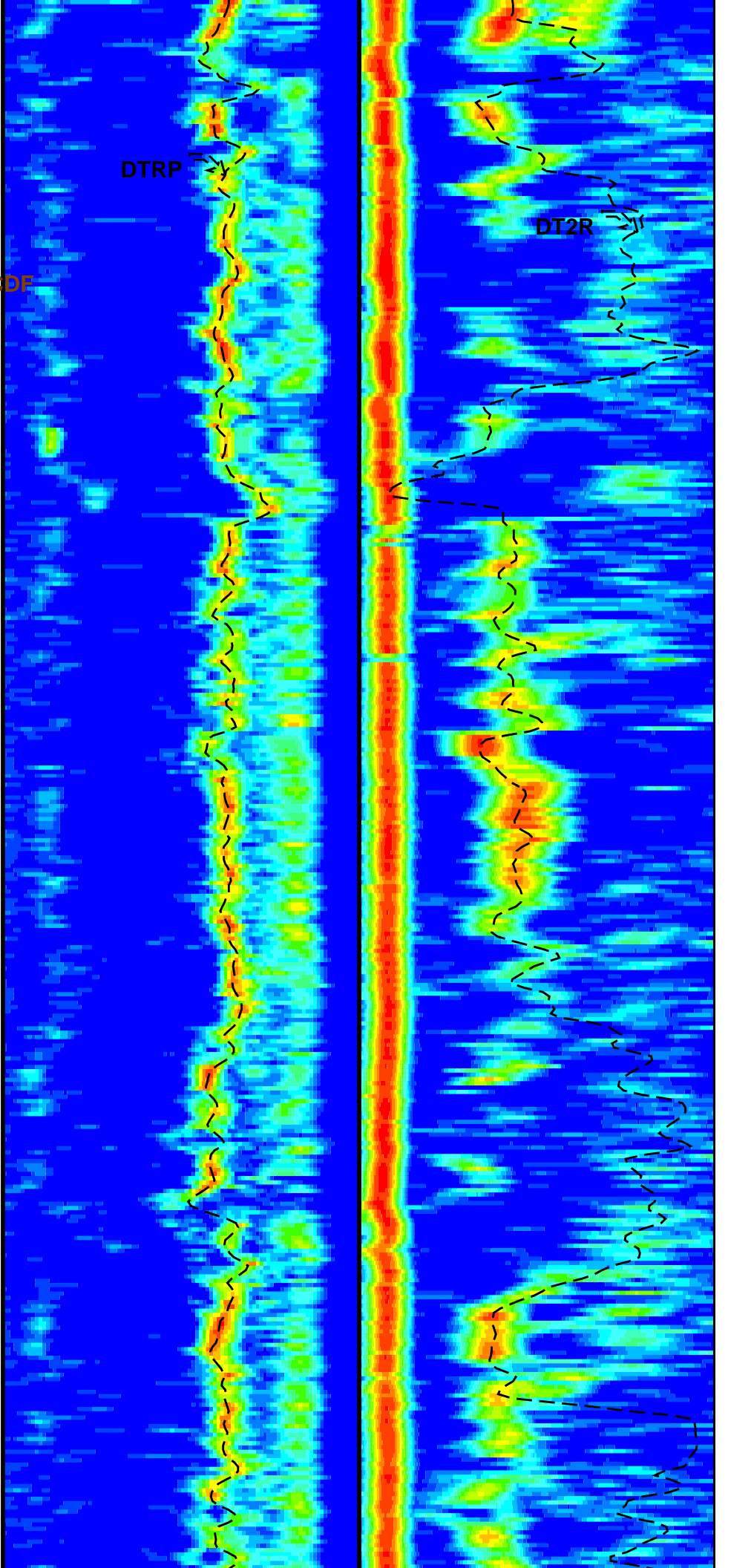
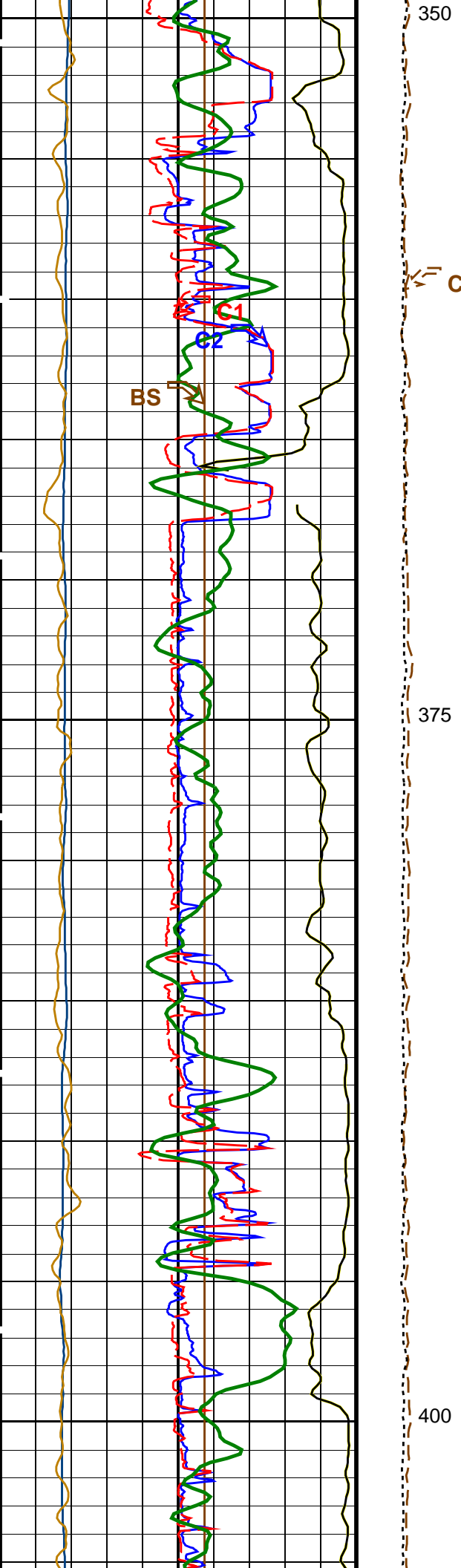


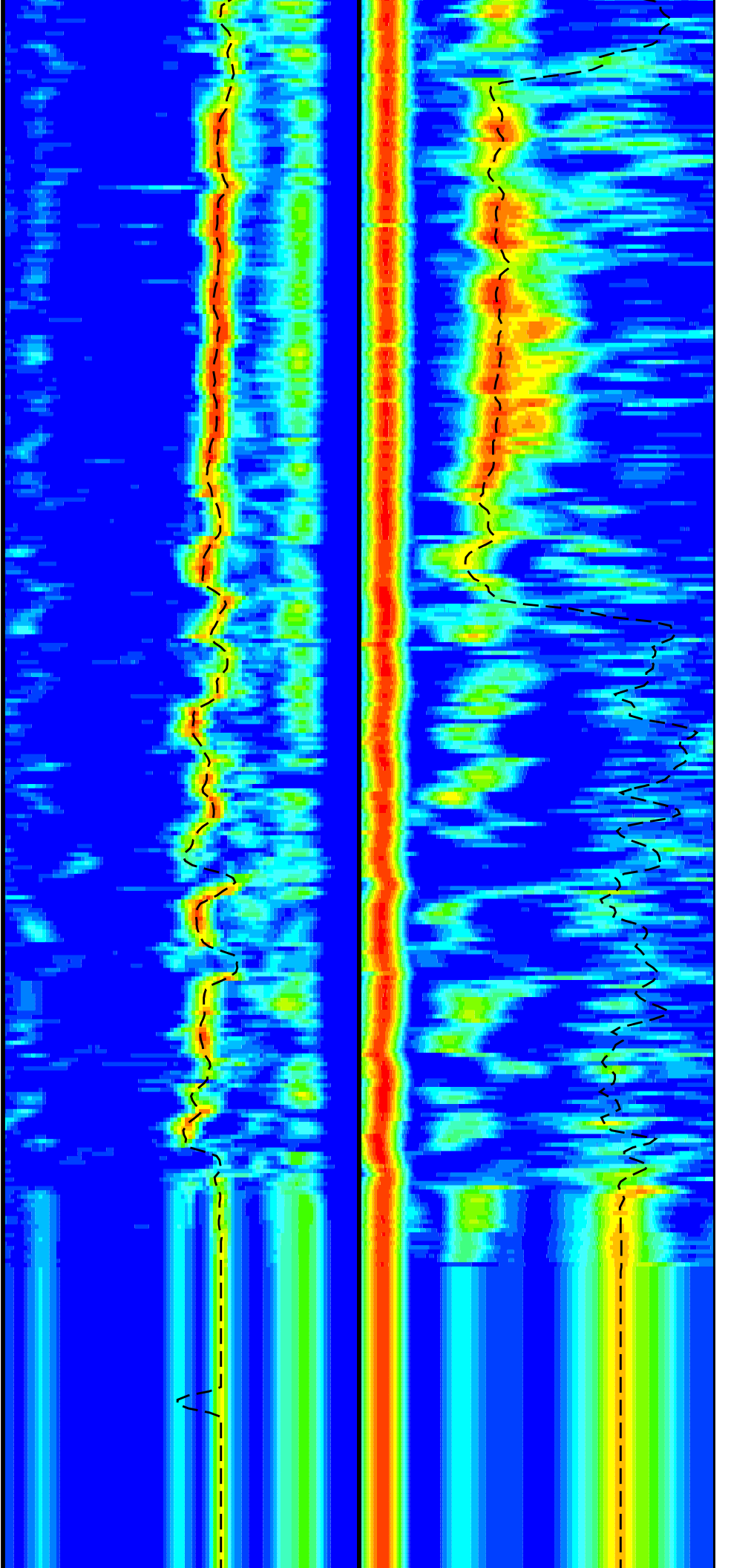
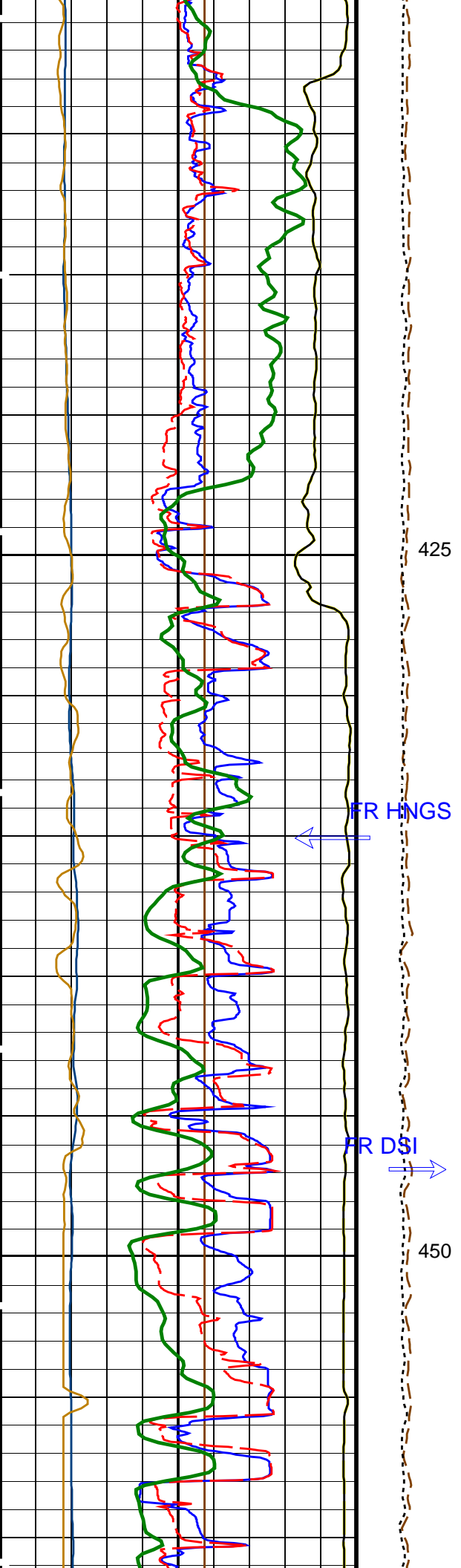
300

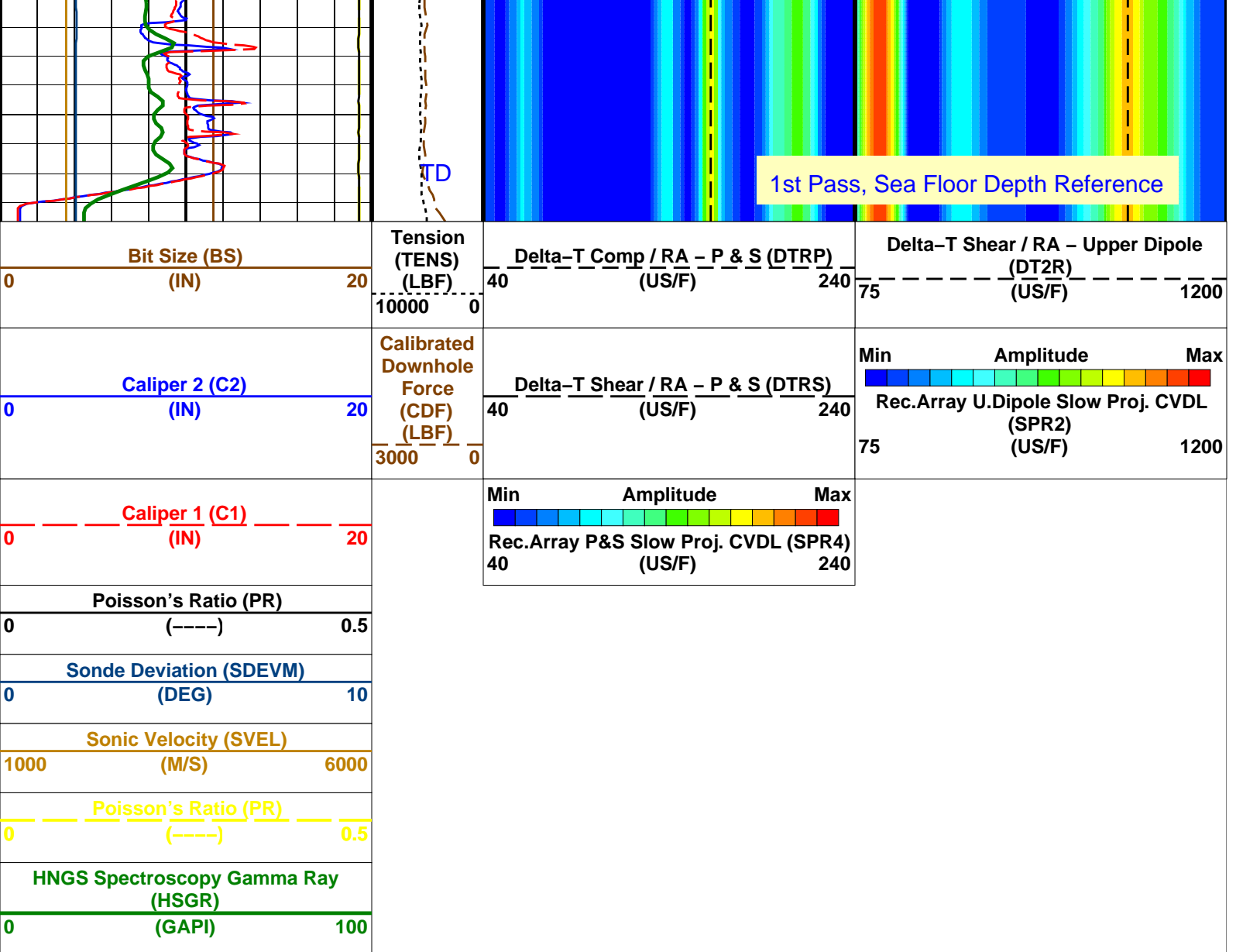
TENS

325









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	-0.62043 DEG
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	120 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	210 US/F
DDE2	Digitizing Delay 2	0 US
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCS Channel	PS_COMP
DTF	Delta-T Fluid	195 US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE
DWC2	Digitizer Word Count 2	512
DWC4	Digitizer Word Count 4	512
DWCX	Digitizer Word Count X	512
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR
GCSE	Generalized Caliper Selection	C1
LFC	Label Formation Character - Monopole P&S	DYNAMIC

LFC	Label Formation Character - Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
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
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
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	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-2K	
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
SLL2	STC Slowness Lower Limit - Upper Dipole	75	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SST4	STC Slowness Step - Monopole P&S	2	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SSW4	STC Source Waveform - Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit - Monopole Stoneley	75	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	1200	US/F
SUL2	STC Slowness Upper Limit - Upper Dipole	1200	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST2	STC Time Step - Upper Dipole	200	US
TST4	STC Time Step - Monopole P&S	50	US
TUL2	STC Time Upper Limit - Upper Dipole	20200	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
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	-0.00299175	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.961474	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970178	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	

GCSE	Generalized Caliper Selection		C1
DIR:	Directional Survey Computation		
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
	System and Miscellaneous		
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.21	G/C3
DO	Depth Offset for Playback	-3646.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24-Apr-2015 20:29

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_017LUP	FN:28	PRODUCER	17-Apr-2015 18:28	4114.8 M	3773.0 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_051PUP	FN:45	PRODUCER	24-Apr-2015 20:29		
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Company: Integrated Ocean Discovery Program Well: Expedition 355, Site U1456 C

Input DLIS Files

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Output DLIS Files

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OP System Version: 19C0-187

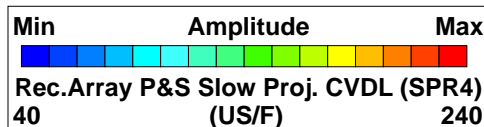
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HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

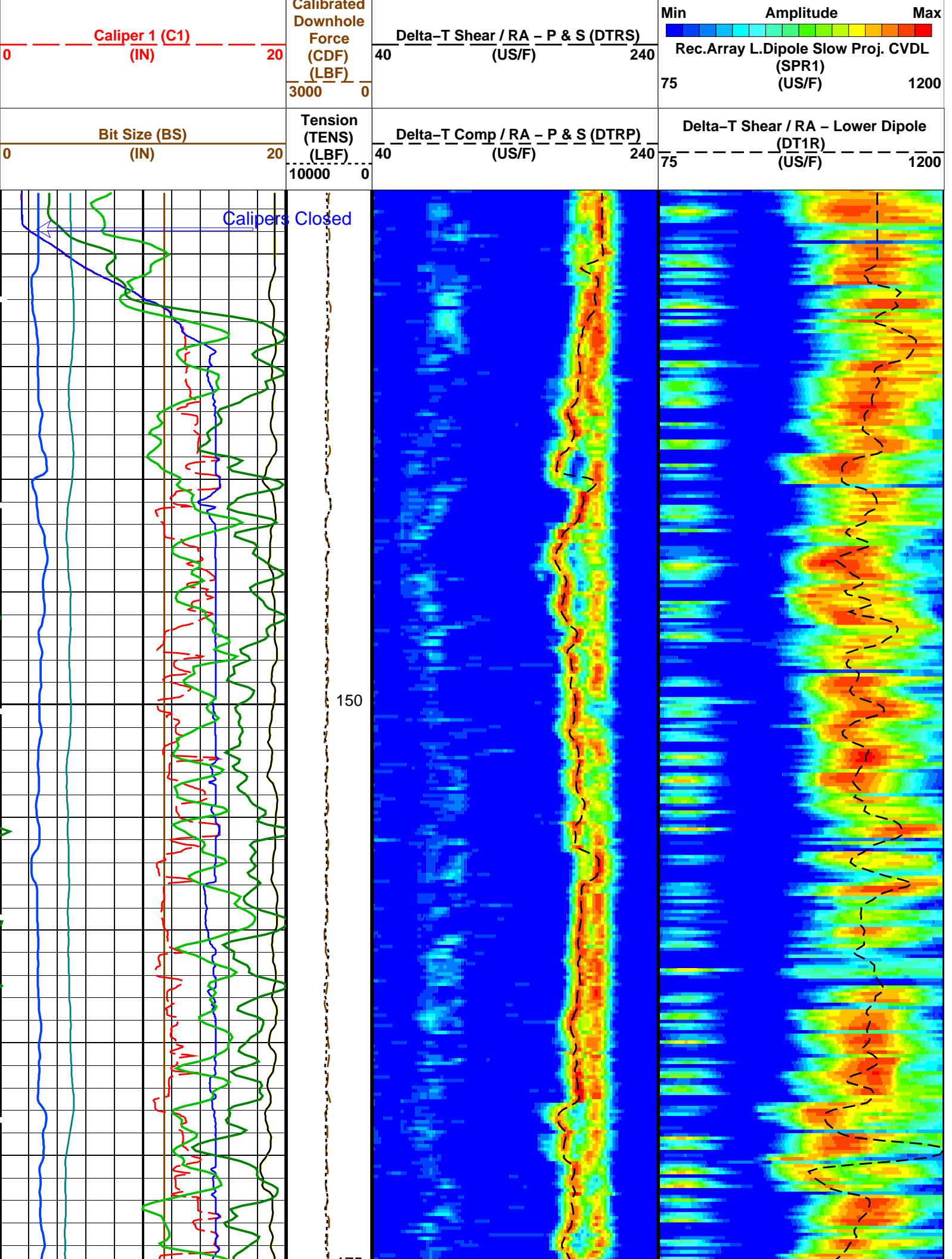
PIP SUMMARY

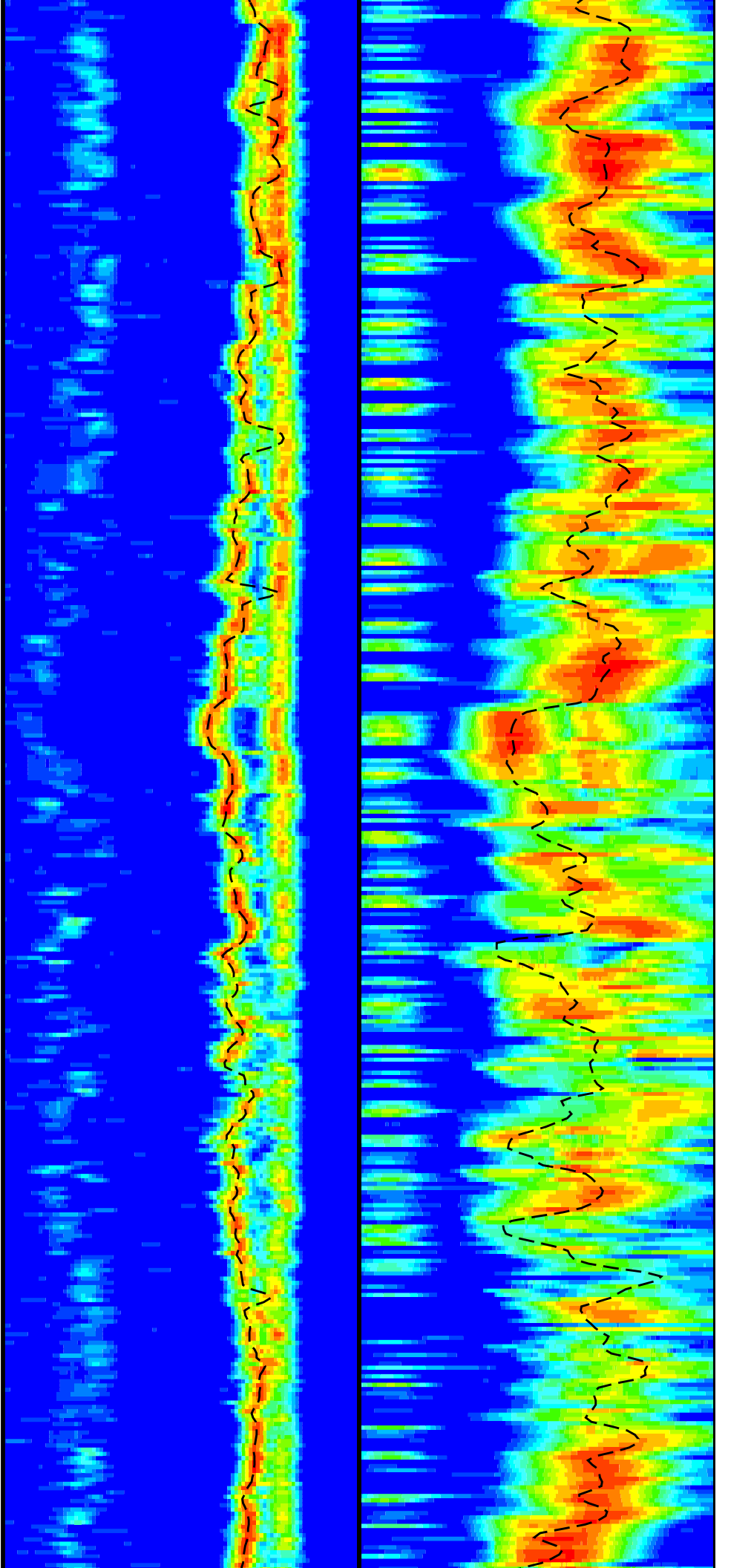
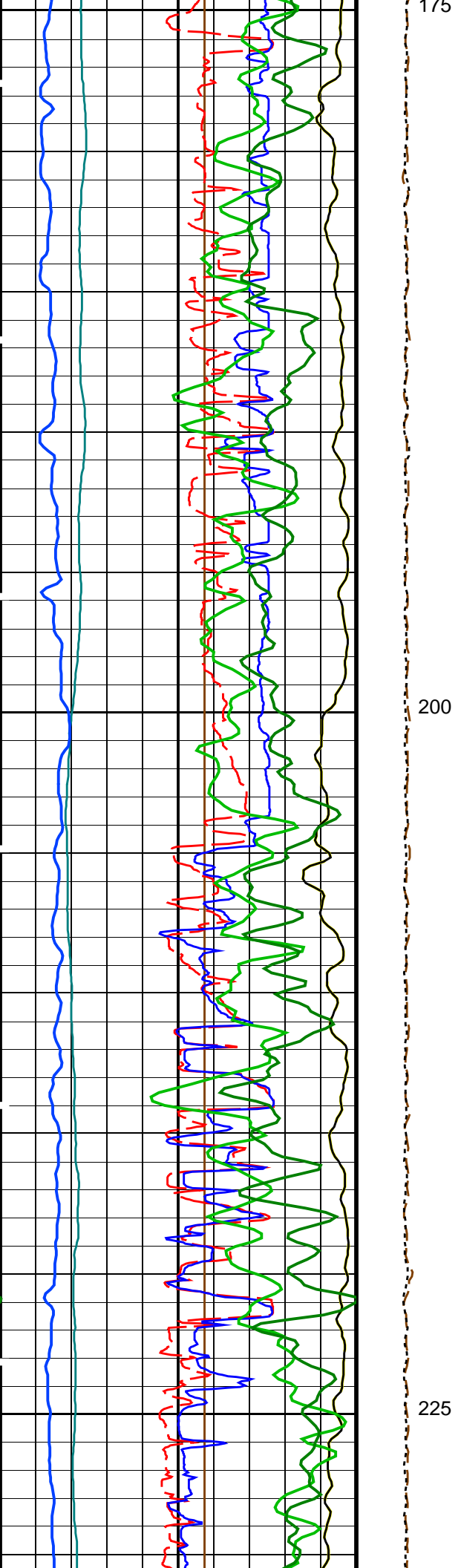
Time Mark Every 60 S

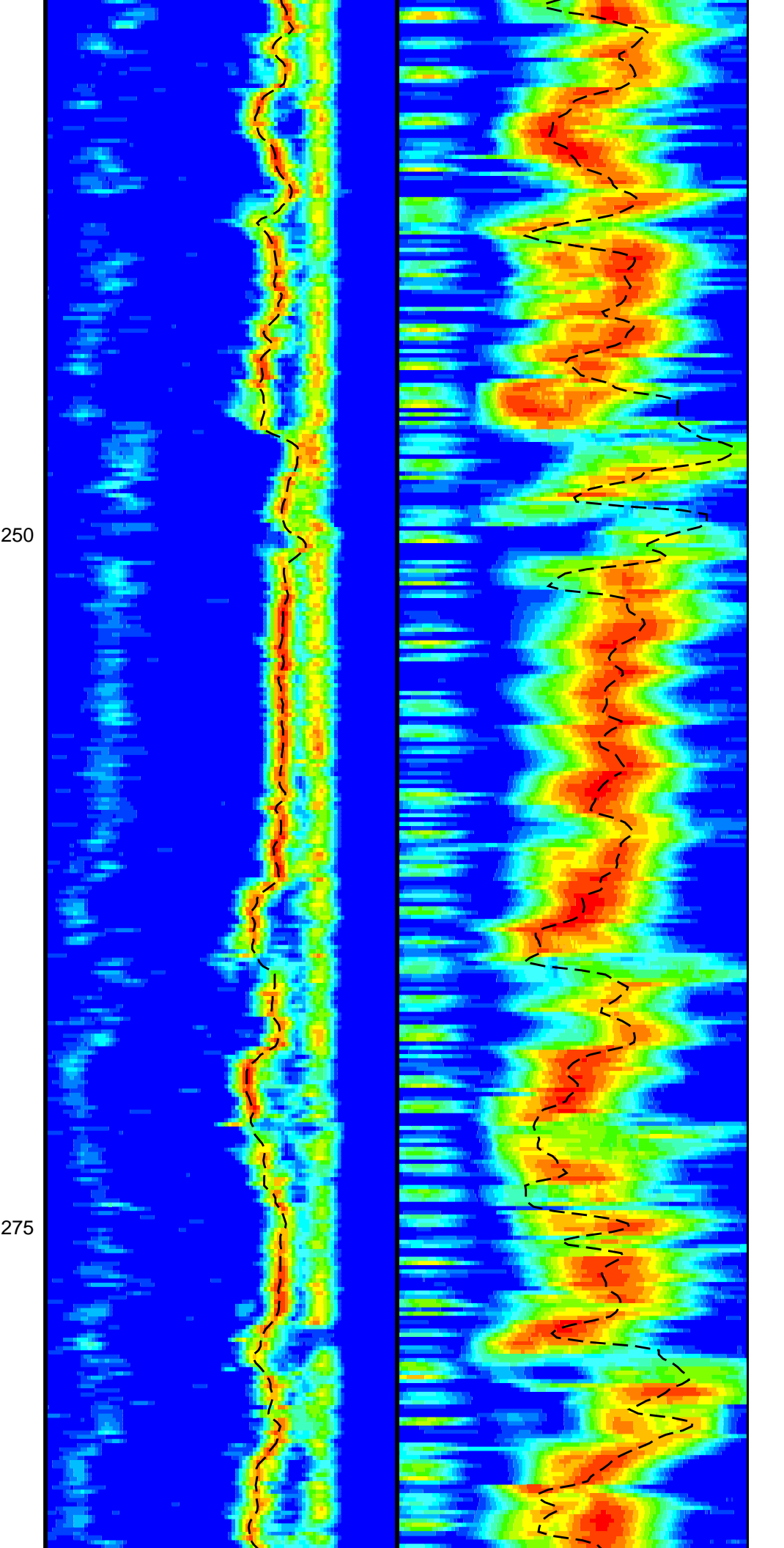
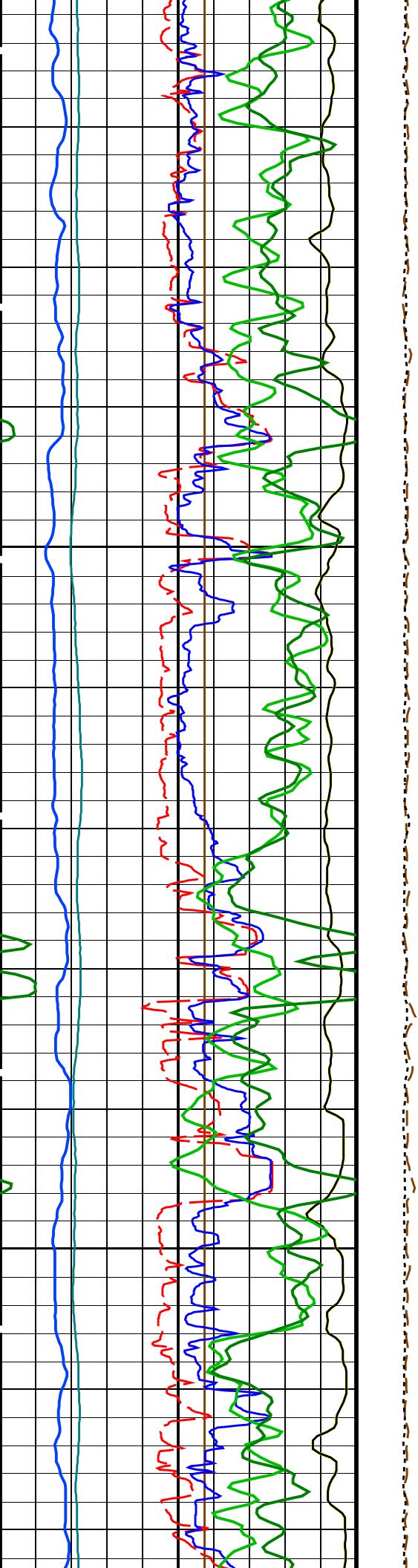
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Gamma Ray (GR_EDTC)		
0	(GAPI)	100
Poisson's Ratio (PR)		
0	(----)	0.5
Sonde Deviation (SDEVM)		
0	(DEG)	10
Poisson's Ratio (PR)		
0	(----)	0.5
Caliper 2 (C2)		
0	(IN)	20

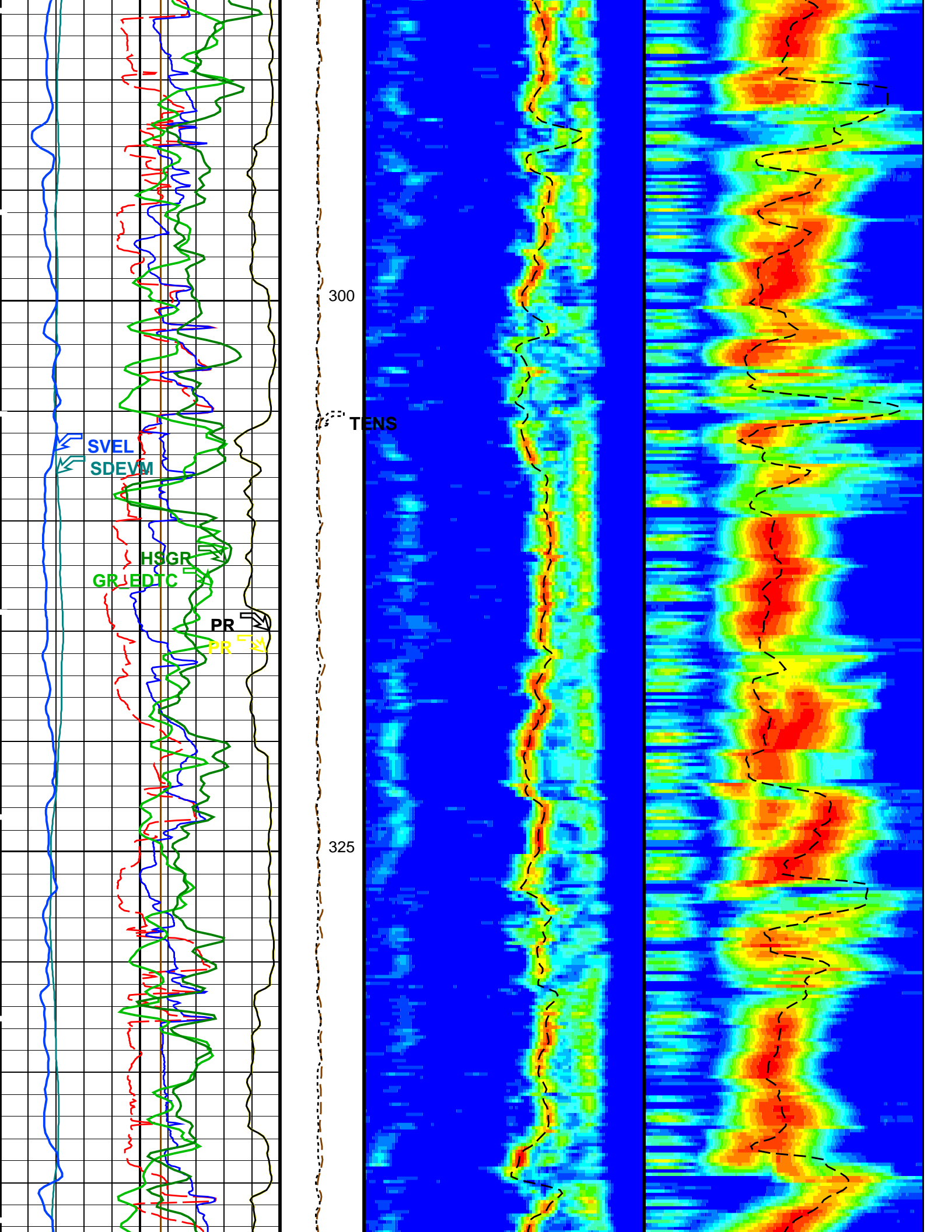
1st Pass, Sea Floor Depth Reference

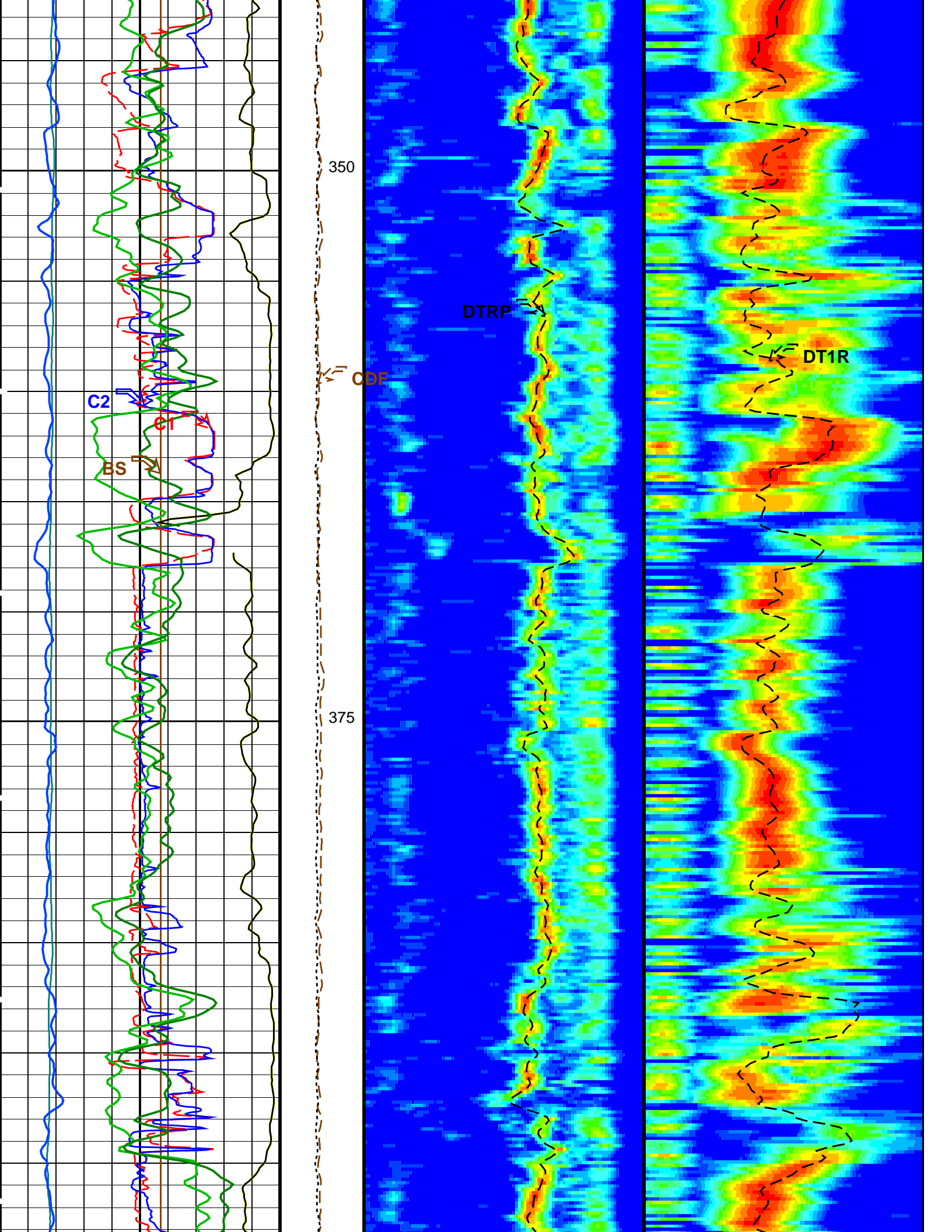


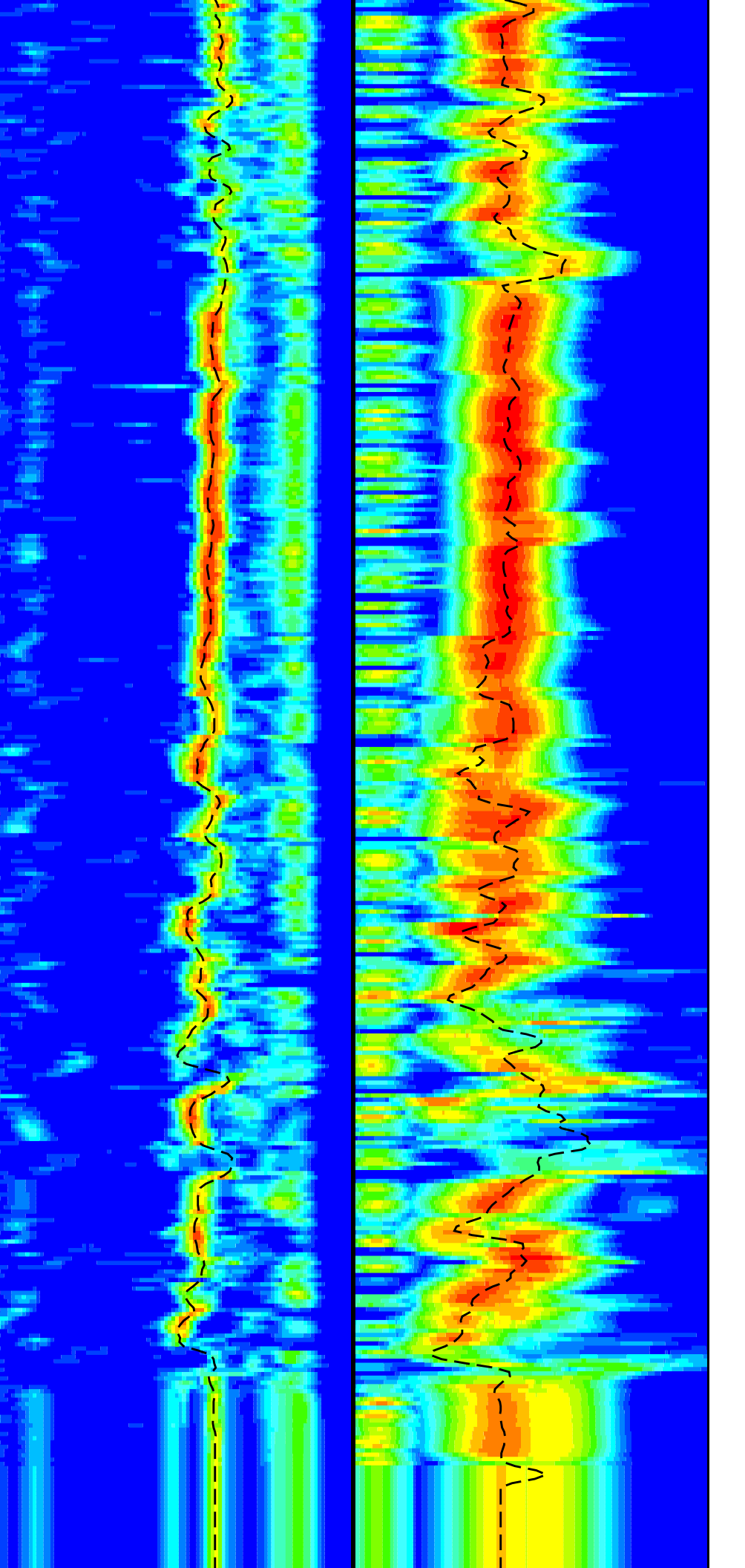
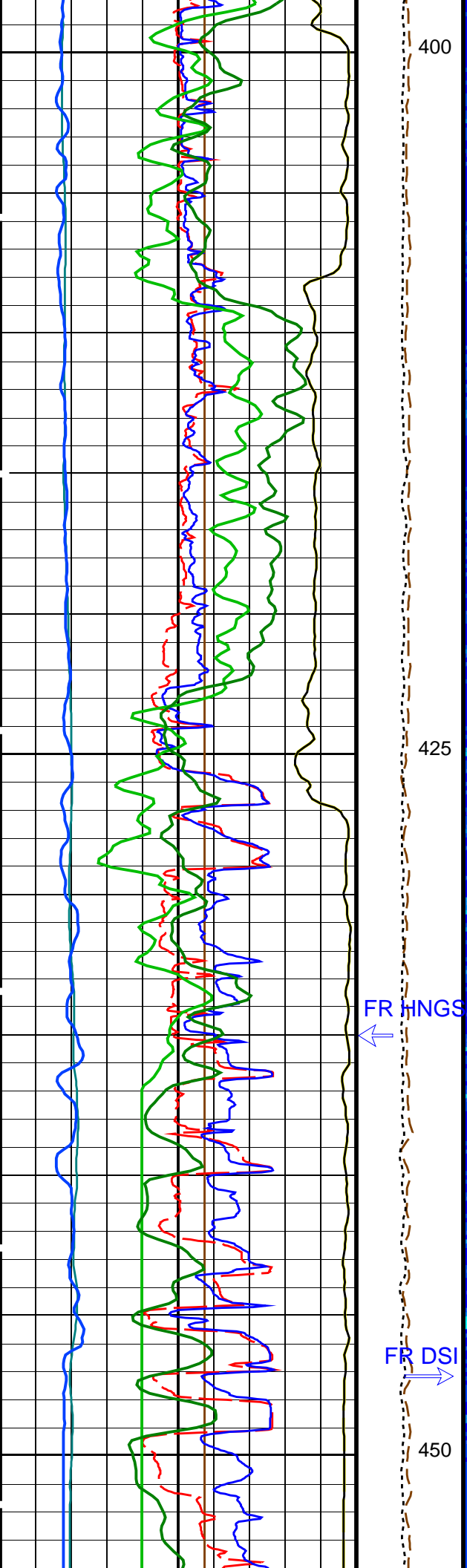


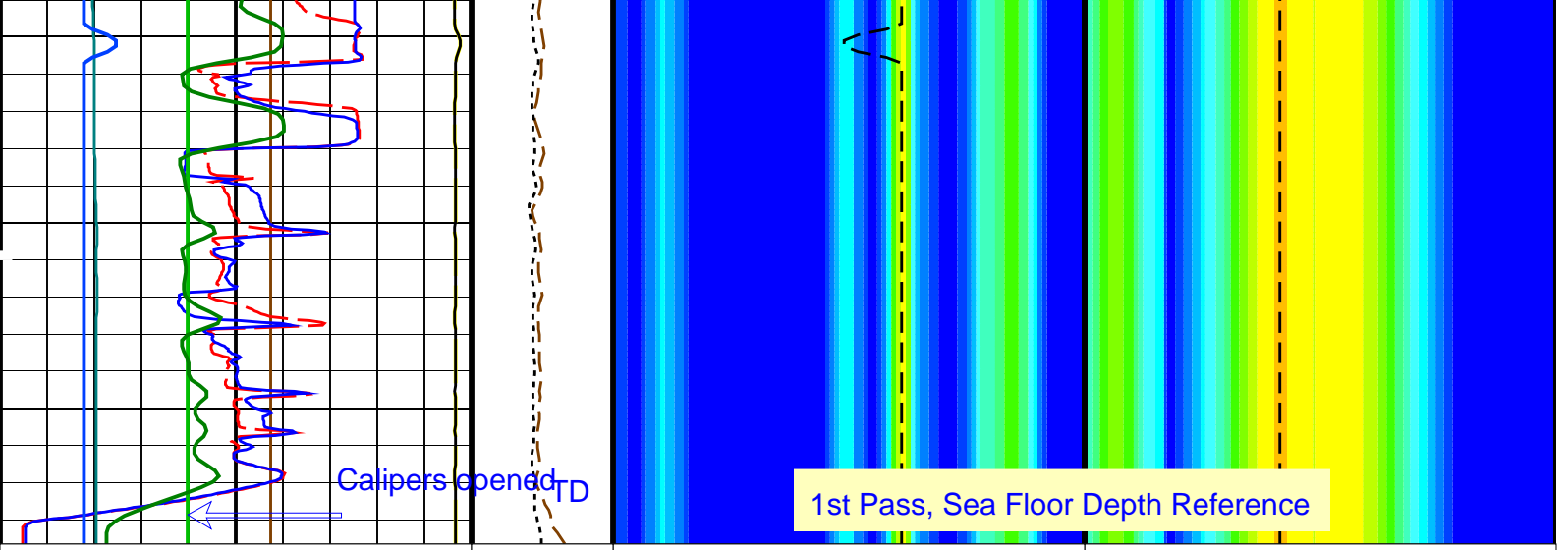












Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 10000 0	Delta-T Comp / RA - P & S (DTRP) (US/F) 40 240	Delta-T Shear / RA - Lower Dipole (DT1R) (US/F) 75 1200
Caliper 1 (C1) (IN) 0 20	Calibrated Downhole Force (CDF) (LBF) 3000 0	Delta-T Shear / RA - P & S (DTRS) (US/F) 40 240	Min Amplitude Max Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F) 75 1200
Caliper 2 (C2) (IN) 0 20		Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F) 40 240	
Poisson's Ratio (PR) (----) 0 0.5			
Sonde Deviation (SDEVM) (DEG) 0 10			
Poisson's Ratio (PR) (----) 0 0.5			
Gamma Ray (GR_EDTC) (GAPI) 0 100			
Sonic Velocity (SVEL) (M/S) 1000 6000			
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100			

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	-0.62043 DEG
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	120 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	210 US/F
DDE1	Digitizing Delay 1	0 US
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US

DLCS	Label Slowness Lower Limit - Dipole Shear	75	US/F
DSHL	Label Slowness Upper Limit - Dipole Shear	1200	US/F
DSHU	Digitizer Sample Interval 1	40	US
DSI1	Digitizer Sample Interval 4	10	US
DSI4	Digitizer Sample Interval X	40	US
DSIX	Compressional Delta-T Source for DTCS Channel	PS_COMP	
DTCS	Delta-T Fluid	195	US/F
DTF	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE	
DTSS	Digitizer Word Count 1	512	
DWC1	Digitizer Word Count 4	512	
DWC4	Digitizer Word Count X	512	
DWCX	Label Fill Gap Control - Monopole P&S	COMP_SHEAR	
FILG	Generalized Caliper Selection	C1	
GCSE	Label Formation Character - Monopole P&S	DYNAMIC	
LFC	Lower Dipole Transmitter Geometry	156	IN
LTXG	Mean Casing Slowness	57	US/F
MCS	Monopole Transmitter Geometry	186	IN
MTXG	Number Waveform Items 1	8	
NW11	Number Waveform Items 4	8	
NW14	Number Waveform Items X	0	
NWIX	Label Shear/Compressional Minimum Ratio - Monopole P&S	1.4	
RSMN	Label Shear/Compressional Maximum Ratio - Monopole P&S	2.12	
RSMX	Receiver 1 Geometry	294	IN
RX1G	Receiver 2 Geometry	300	IN
RX2G	Receiver 3 Geometry	306	IN
RX3G	Receiver 4 Geometry	312	IN
RX4G	Receiver 5 Geometry	318	IN
RX5G	Receiver 6 Geometry	324	IN
RX6G	Receiver 7 Geometry	330	IN
RX7G	Receiver 8 Geometry	336	IN
RX8G	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAM1	DSST Sonic Acquisition Mode 4 - Monopole Mode for P&S	EVEN	
SAM4	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAMX	STC Sonic Array Status - Lower Dipole	255	
SAS1	STC Sonic Array Status - Monopole P&S	255	
SAS4	STC Search Band Offset - Lower Dipole	3000	US
SBO1	STC Search Band Offset - Monopole P&S	500	US
SBO4	STC Baseline Removal - Monopole P&S	ON	
SBR4	STC Search Bandwidth - Lower Dipole	8000	US
SBW1	STC Search Bandwidth - Monopole P&S	2000	US
SBW4	STC Formation Character - Lower Dipole	SELECTABLE	
SFC1	STC Formation Character - Monopole P&S	SELECTABLE	
SFC4	STC Filter - Lower Dipole	B.3-1.5K	
SFM1	STC Filter - Monopole P&S	B3-20K	
SFM4	Label Slowness Lower Limit - Monopole P&S Shear	235	US/F
SHLL	Label Slowness Upper Limit - Monopole P&S Shear	240	US/F
SHUL	STC Slowness Lower Limit - Lower Dipole	75	US/F
SLL1	STC Slowness Lower Limit - Monopole P&S	40	US/F
SLL4	STC Slowness Step - Lower Dipole	4	US/F
SST1	STC Slowness Step - Monopole P&S	2	US/F
SST4	STC Source Waveform - Lower Dipole	WF_SAM1	
SSW1	STC Source Waveform - Monopole P&S	WF_SAM4	
SSW4	Label Slowness Lower Limit - Monopole Stoneley	75	US/F
STLL	Label Slowness Upper Limit - Monopole Stoneley	1200	US/F
STUL	STC Slowness Upper Limit - Lower Dipole	1200	US/F
SUL1	STC Slowness Upper Limit - Monopole P&S	240	US/F
SUL4	STC Slowness Width - Lower Dipole	40	US/F
SWD1	STC Slowness Width - Monopole P&S	10	US/F
SWD4	STC Time for Baseline Fill - Lower Dipole	0	US
TBF1	STC Time for Baseline Fill - Monopole P&S	300	US
TBF4	STC Time Lower Limit - Lower Dipole	600	US
TLL1	STC Time Lower Limit - Monopole P&S	150	US
TLL4	STC Time Step - Lower Dipole	200	US
TST1	STC Time Step - Monopole P&S	50	US
TST4	STC Time Upper Limit - Lower Dipole	20440	US
TUL1	STC Time Upper Limit - Monopole P&S	3660	US
TUL4	STC Time Width - Lower Dipole	2000	US
TWD1	STC Time Width - Monopole P&S	1000	US
TWD4	STC Integration Time Window - Lower Dipole	1600	US
TWI1	STC Integration Time Window - Monopole P&S	500	US
TWI4	Transmitter Waveform Select X	0	
TWSX	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 1 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00299175	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.961474	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970178	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.21	G/C3
DO	Depth Offset for Playback	-3646.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24-Apr-2015 20:29

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

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Output DLIS Files						
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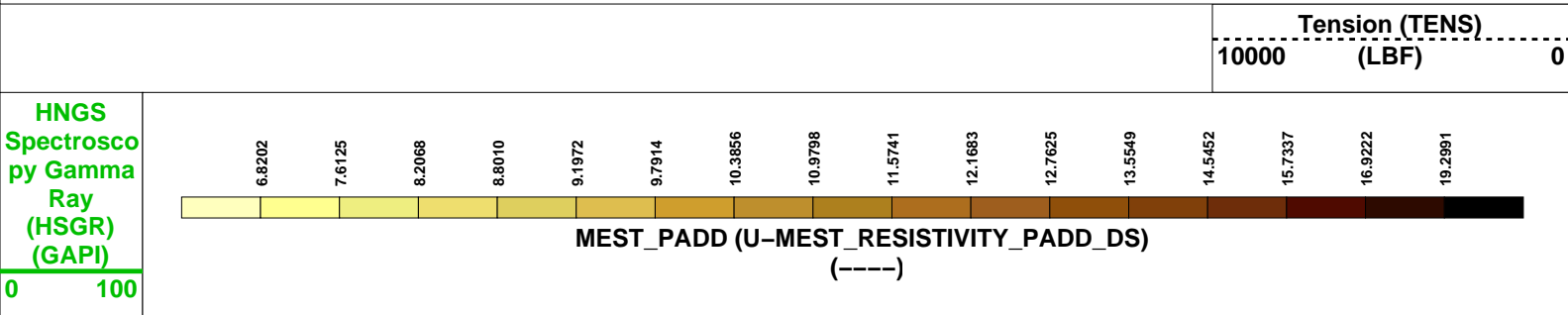
Company: Integrated Ocean Discovery Program Well: Expedition 355, Site U1456 C

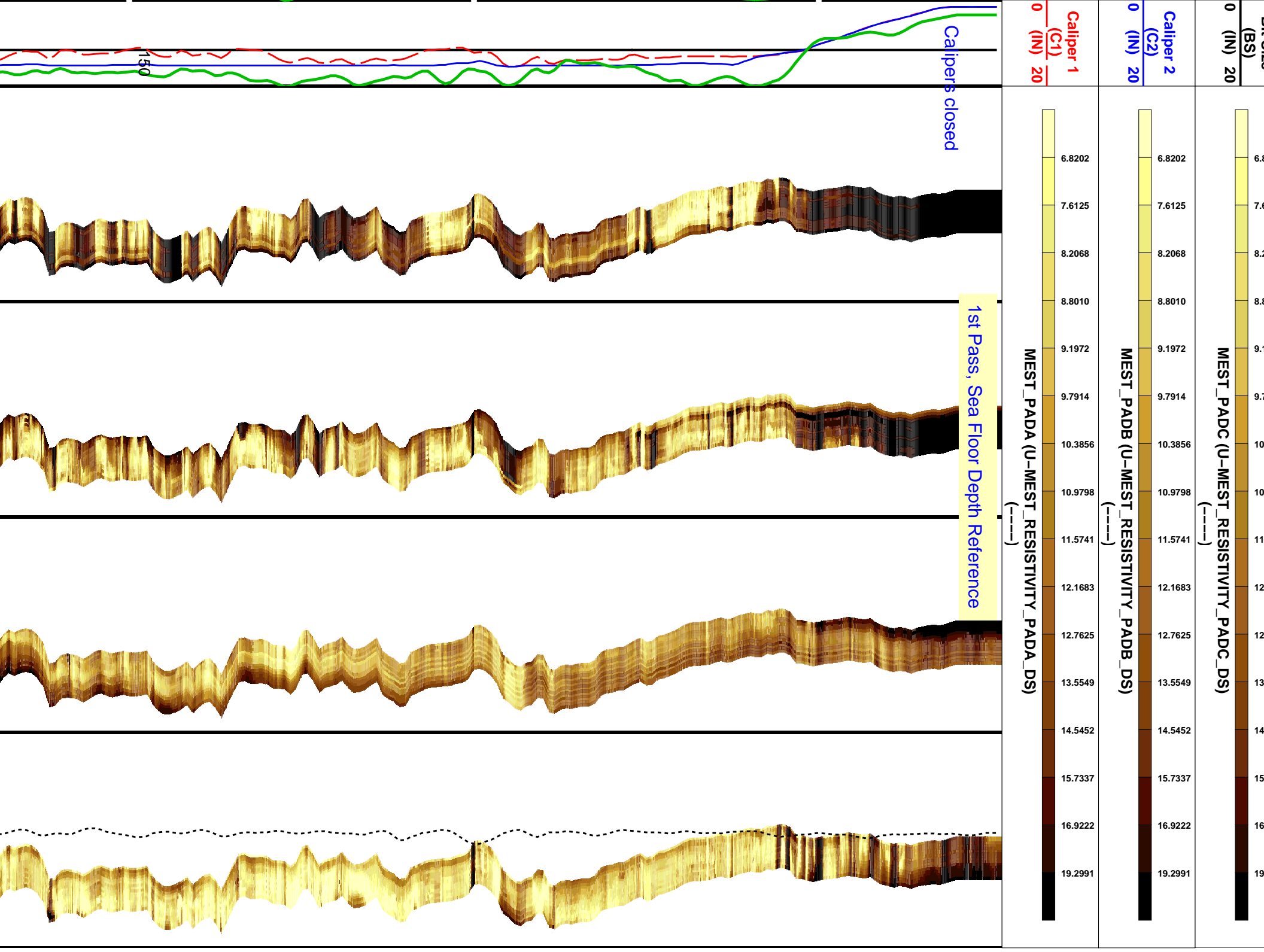
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Output DLIS Files						
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OP System Version: 19C0-187			
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

PIP SUMMARY

Time Mark Every 60 S





Caliper 1 (BS)

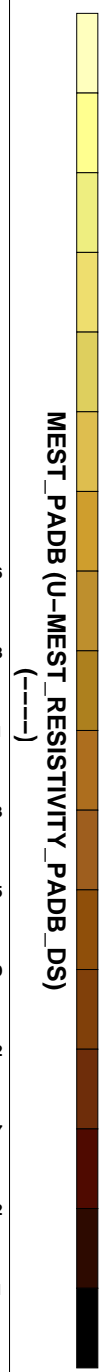
0 (IN) 20

Caliper 2 (C2)

0 (IN) 20

Caliper 1 (C1)

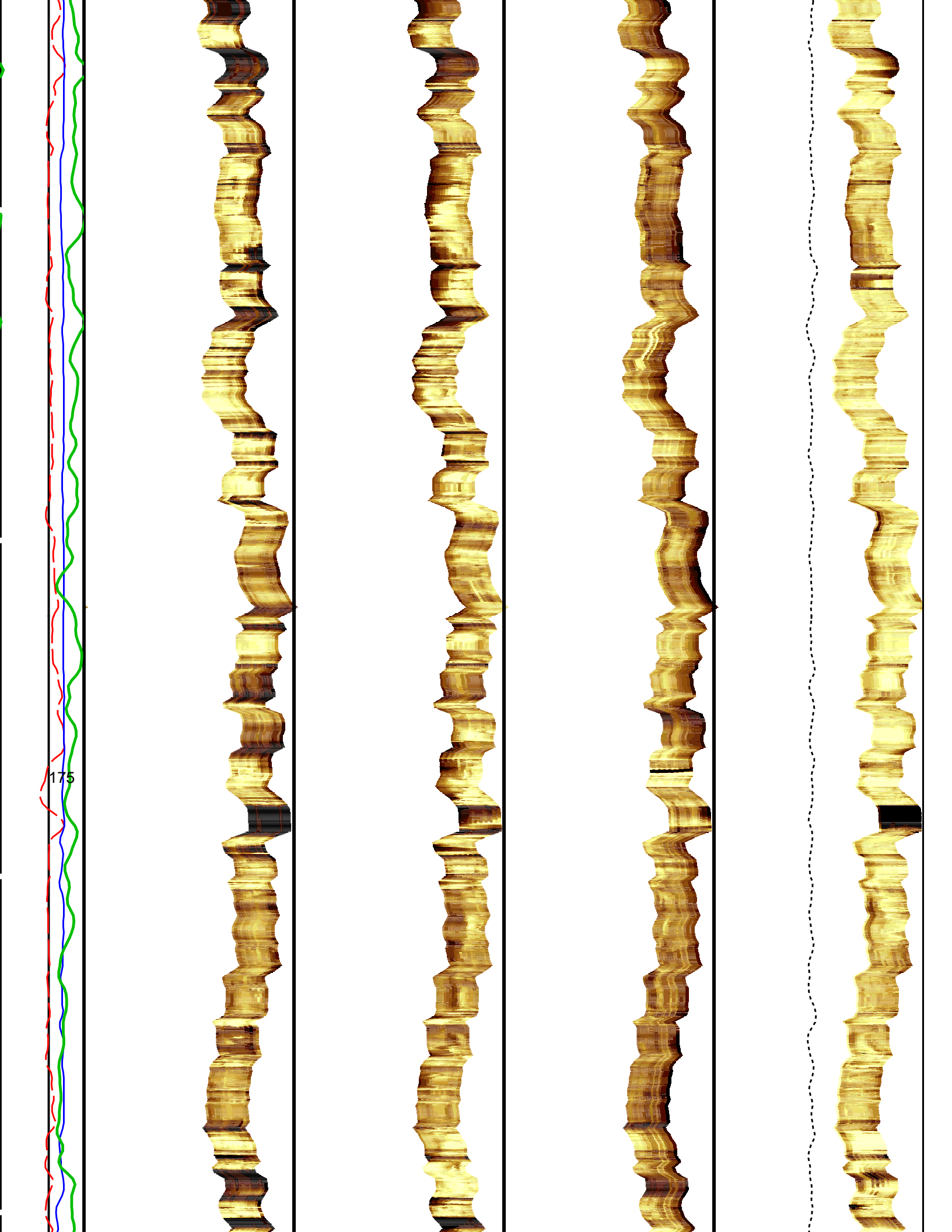
0 (IN) 20



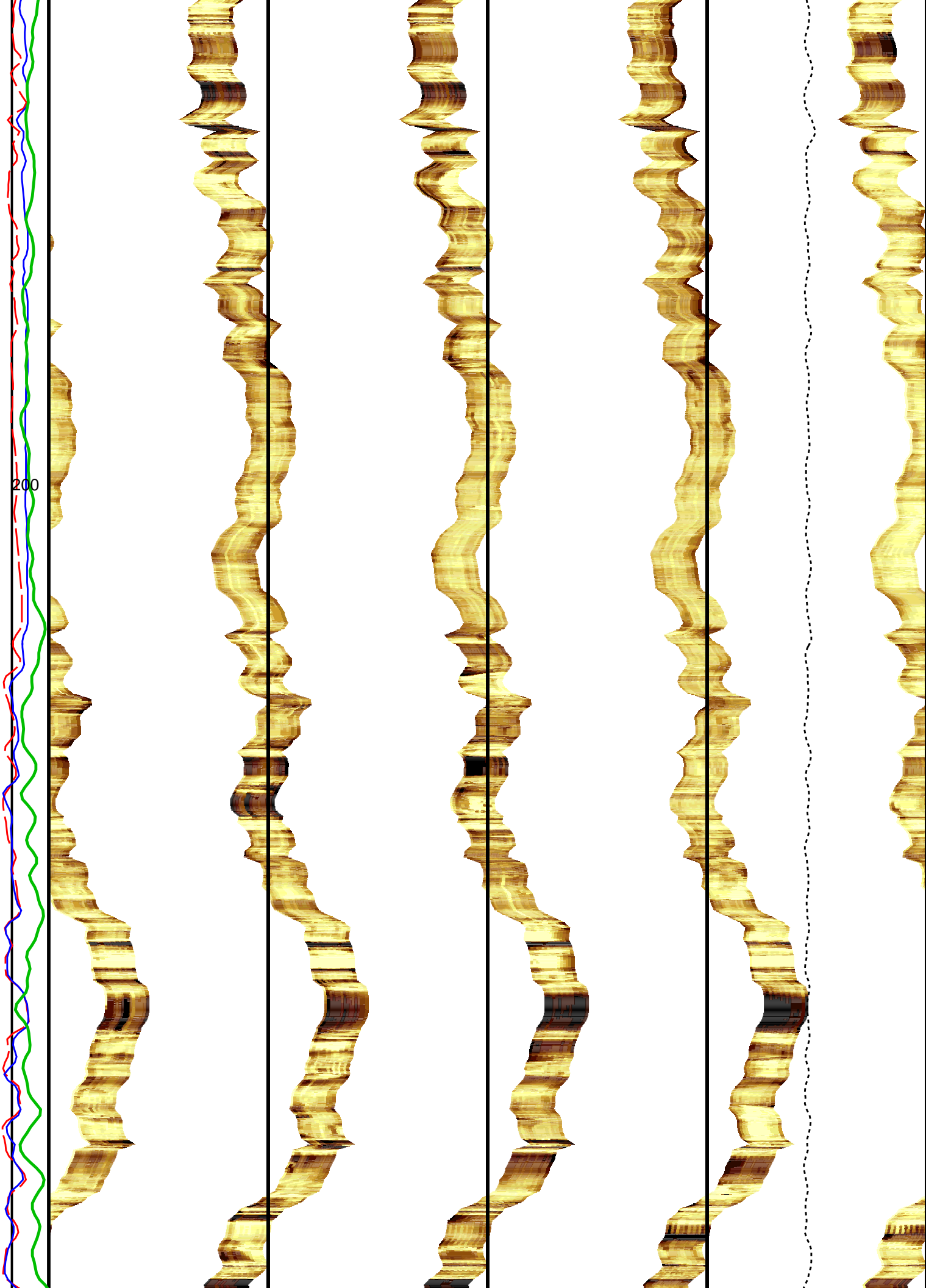
1st Pass, Sea Floor Depth Reference

Calipers closed

150

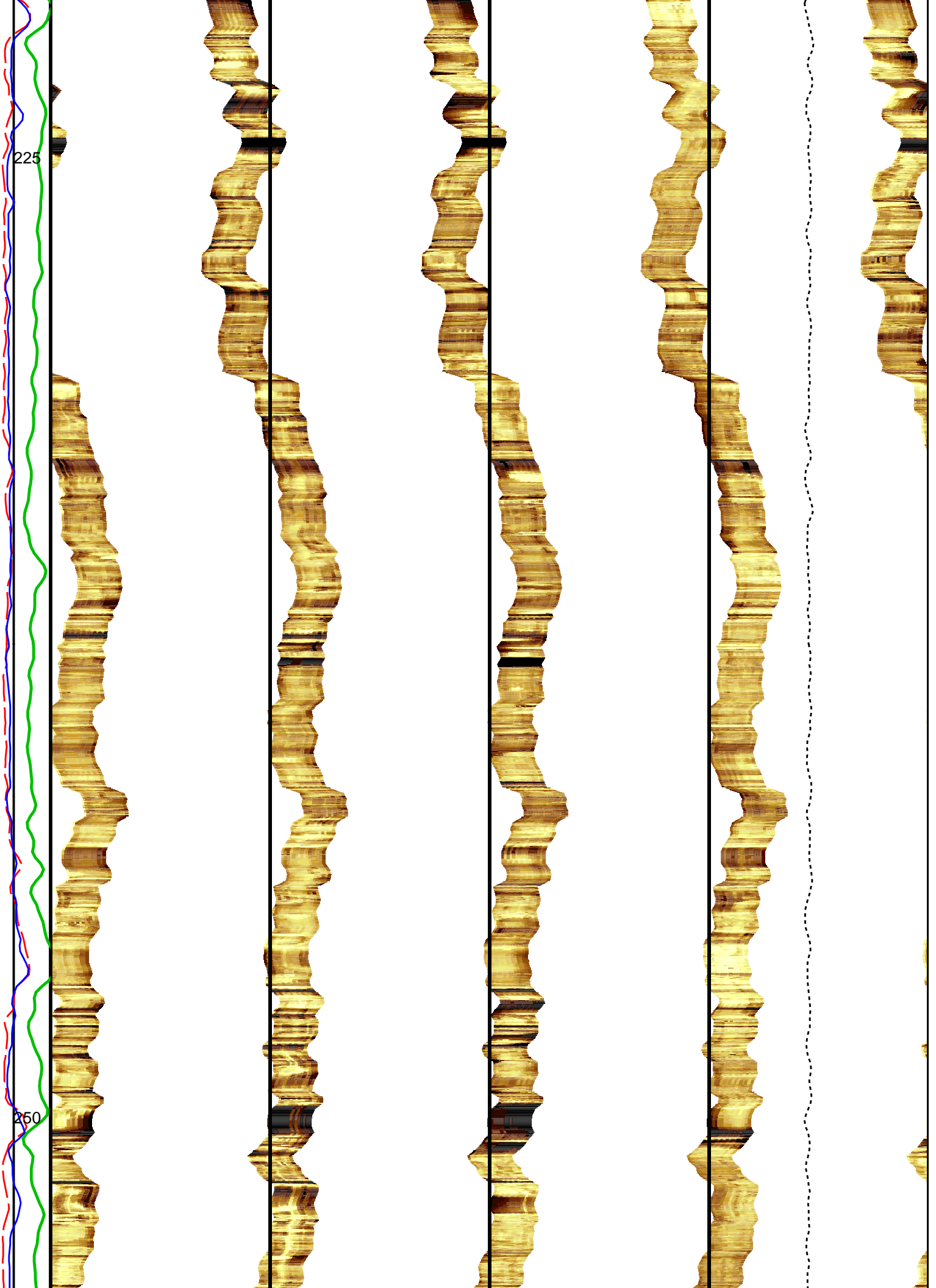


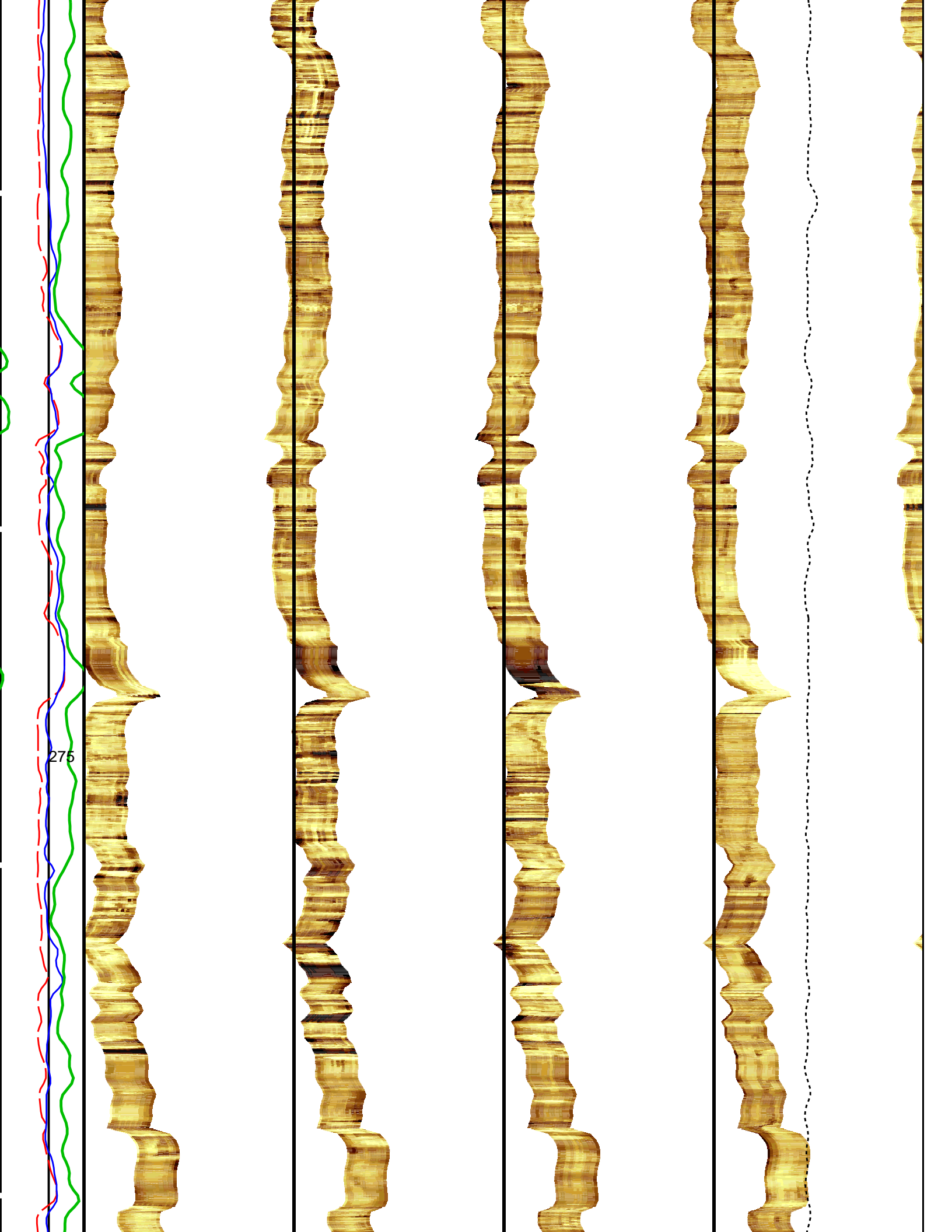
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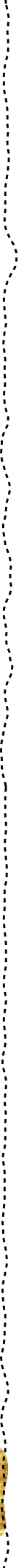
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250



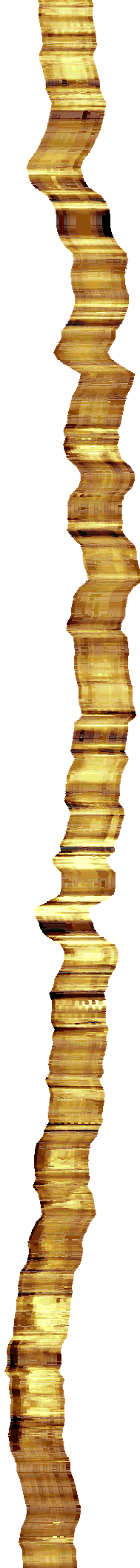


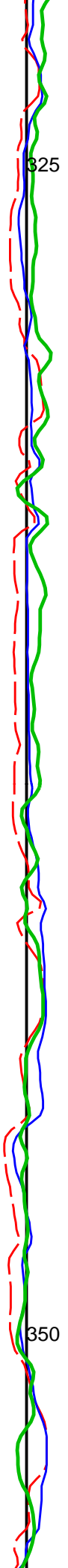
275





600

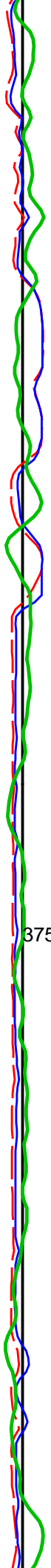




325

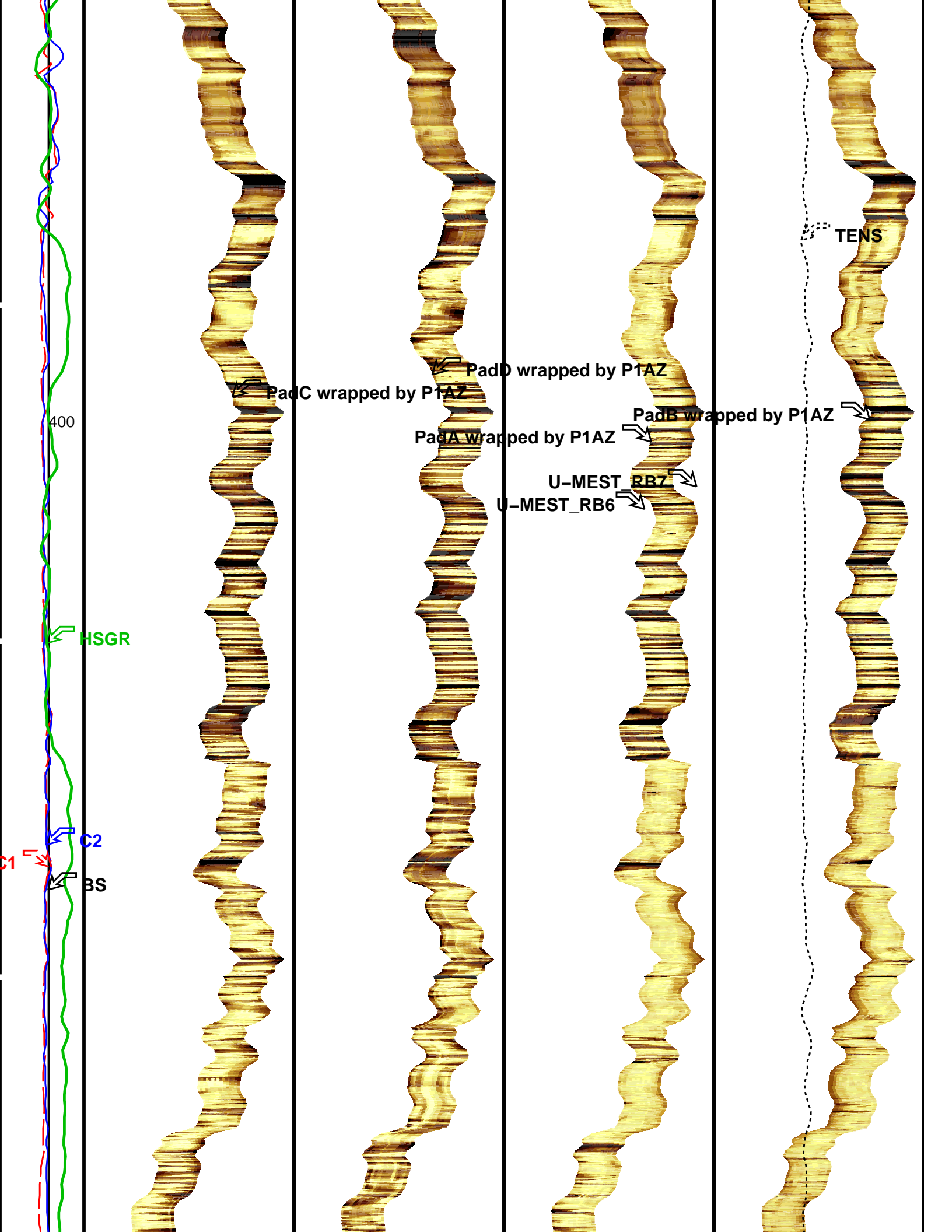
350





375





400

HSGR

C2

BS

C1

PadC wrapped by P1AZ

PadD wrapped by P1AZ

PadA wrapped by P1AZ

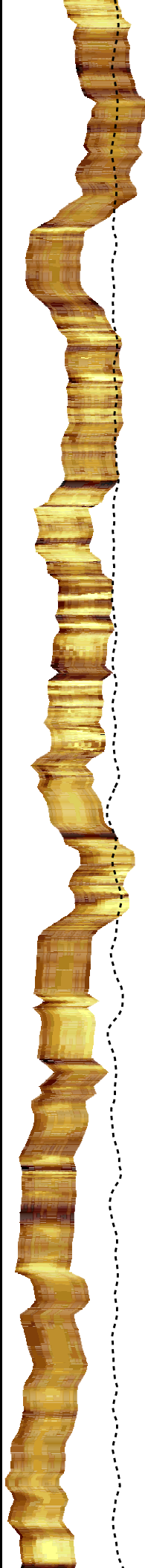
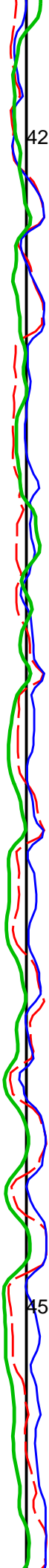
PadB wrapped by P1AZ

U-MEST_RB7

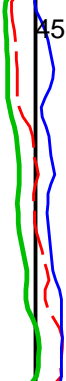
U-MEST_RB6

TENS

425



450





Caliper 1 (C1) 0 (IN) 20	6.8202 7.6125 8.2068 8.8010 9.1972 9.7914 10.3856 10.9798 11.5741 12.1683 12.7625 13.5549 14.5452 15.7337 16.9222 19.2991
MEST_PADA (U-MEST_RESISTIVITY_PADA_DS) (----)	
Caliper 2 (C2) 0 (IN) 20	6.8202 7.6125 8.2068 8.8010 9.1972 9.7914 10.3856 10.9798 11.5741 12.1683 12.7625 13.5549 14.5452 15.7337 16.9222 19.2991
MEST_PADB (U-MEST_RESISTIVITY_PADB_DS) (----)	
Bit Size (BS) 0 (IN) 20	6.8202 7.6125 8.2068 8.8010 9.1972 9.7914 10.3856 10.9798 11.5741 12.1683 12.7625 13.5549 14.5452 15.7337 16.9222 19.2991
MEST_PADC (U-MEST_RESISTIVITY_PADC_DS) (----)	
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100	6.8202 7.6125 8.2068 8.8010 9.1972 9.7914 10.3856 10.9798 11.5741 12.1683 12.7625 13.5549 14.5452 15.7337 16.9222 19.2991
MEST_PADD (U-MEST_RESISTIVITY_PADD_DS) (----)	
Tension (TENS) 10000 (LBF) 0	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
MEST-B	Micro Electrical Scanner – B (Slim)	SCAN1800
MLM	MEST Logging Mode	AUTO
RBS	Resistivity Button Selection	GAIN_2
XGAI	Gain	OFFSET_0
XOFF	Offset	
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
RAP2	HNGS Detector 2 Barite Constant	1

BANKZ	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	-0.00299175	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.961474	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.970178	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.21	G/C3
DO	Depth Offset for Playback	-3646.0	M
PP	Playback Processing	NORMAL	

Format: MEST_C_WRAP_BY_P1AZ Vertical Scale: 1:120 Graphics File Created: 24-Apr-2015 21:52

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	EDTC-B	SKK-5169-EDTCB

Input DLIS Files

DEFAULT	FMS_DSI_NGS_017LUP	FN:28	PRODUCER	17-Apr-2015 18:28	4114.8 M	3773.0 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_055PUP	FN:49	PRODUCER	24-Apr-2015 21:52		
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Company: Integrated Ocean Discovery Program Well: Expedition 355, Site U1456 C

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_049LUP		PRODUCER	24-Apr-2015 20:12	4115.0 M	3595.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_061PUP	FN:55	PRODUCER	25-Apr-2015 00:03	468.9 M	-50.1 M
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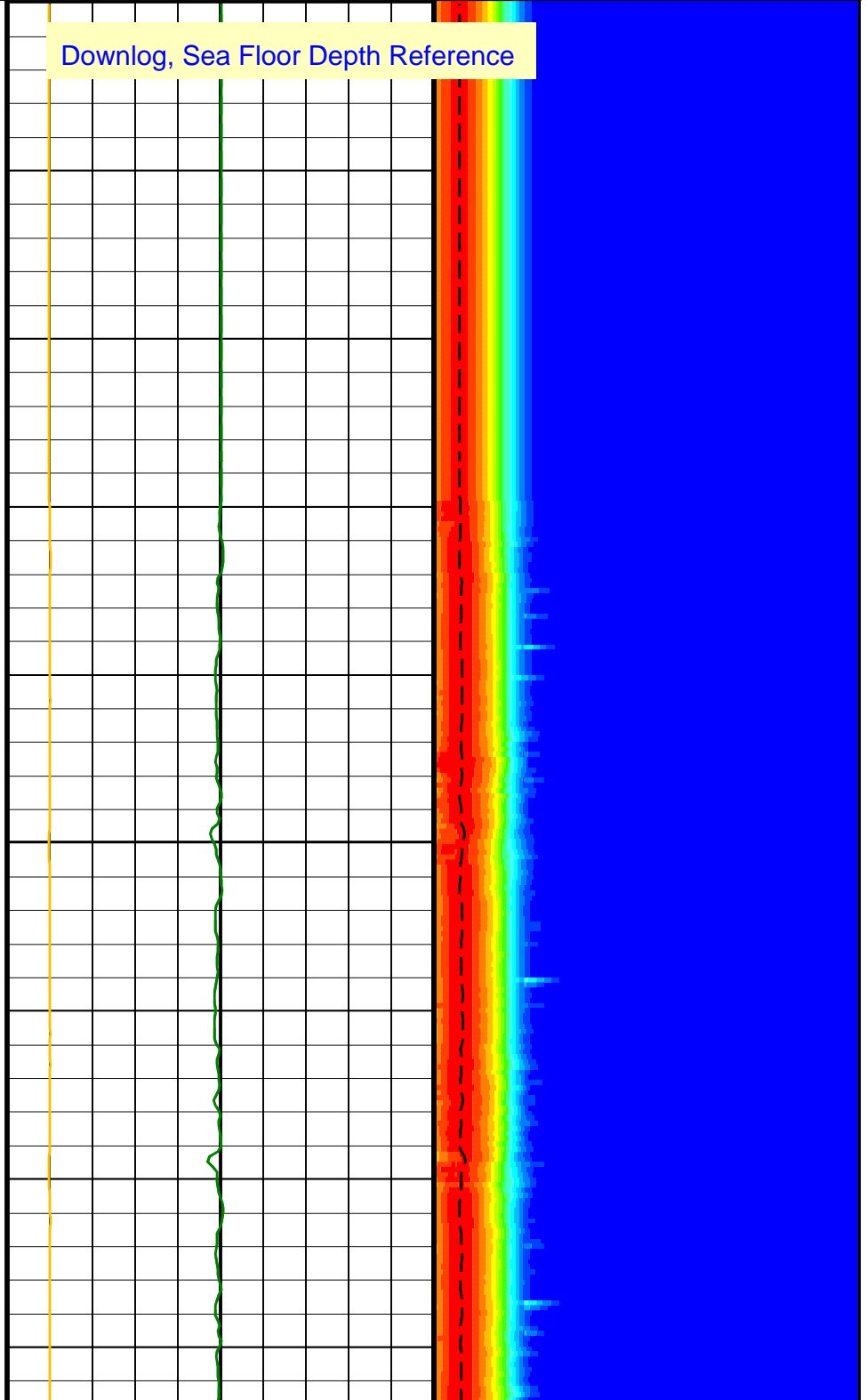
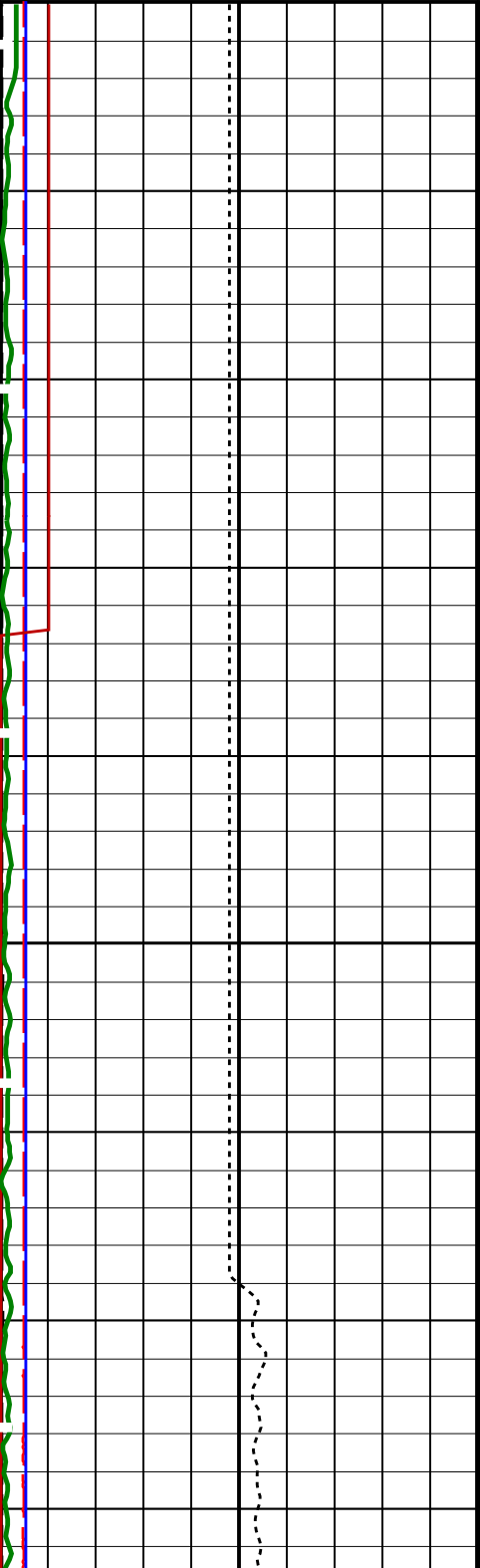
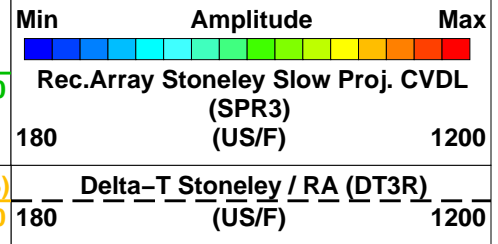
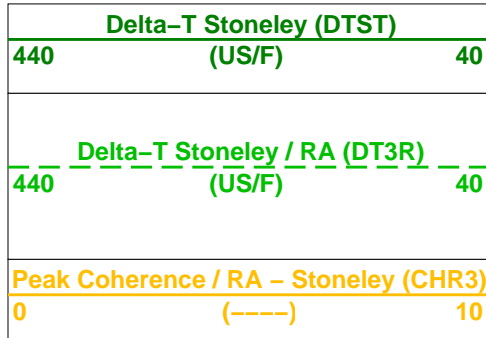
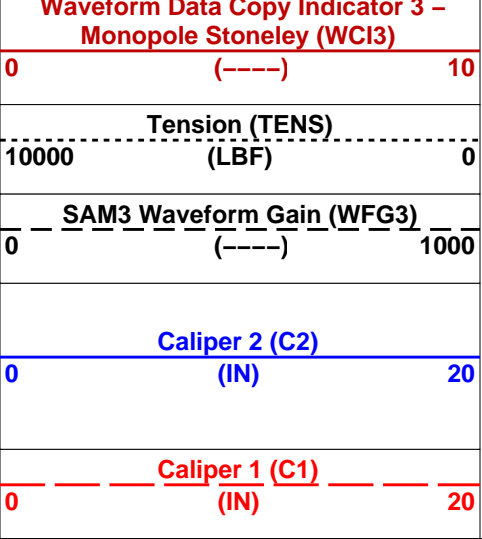
OP System Version: 19C0-187

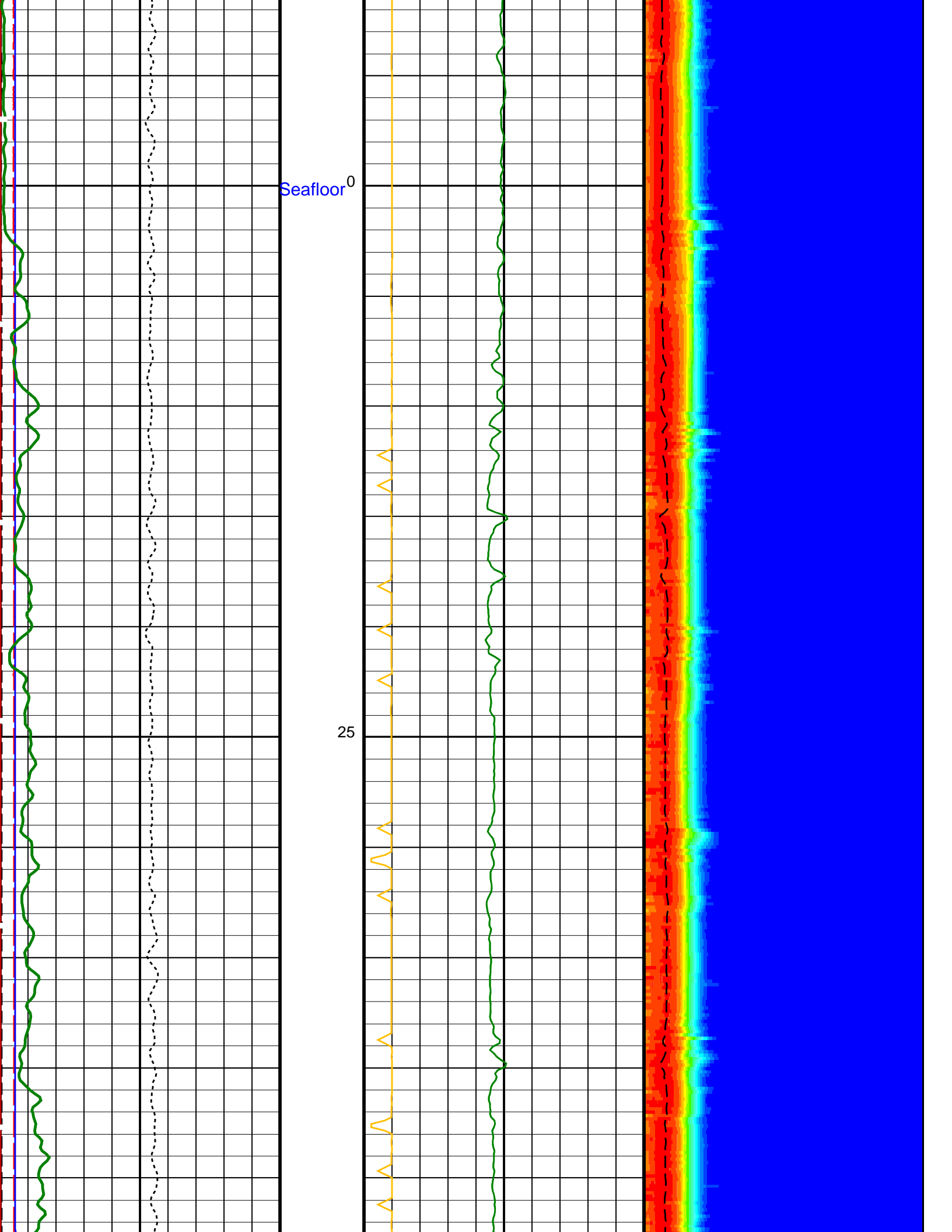
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DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

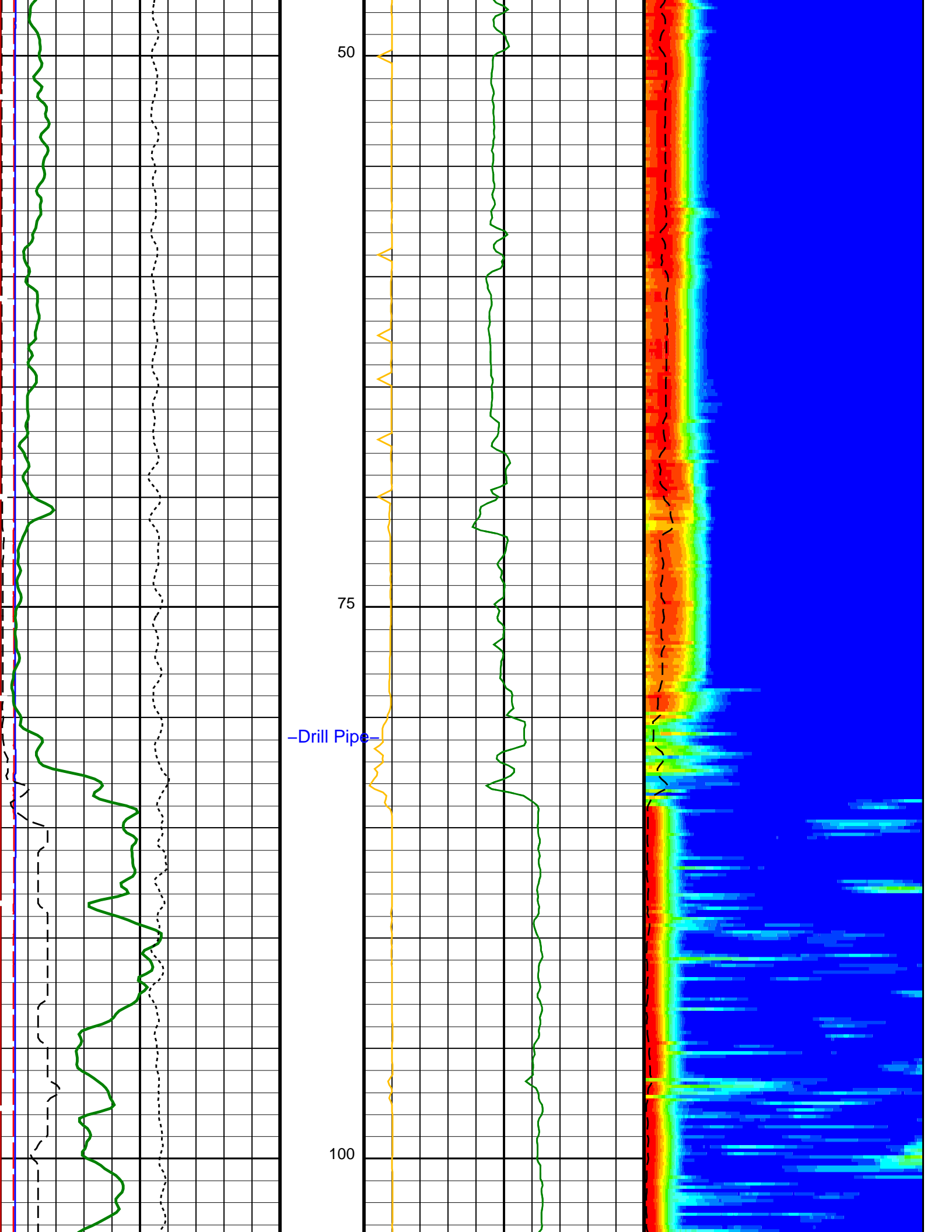
PIP SUMMARY

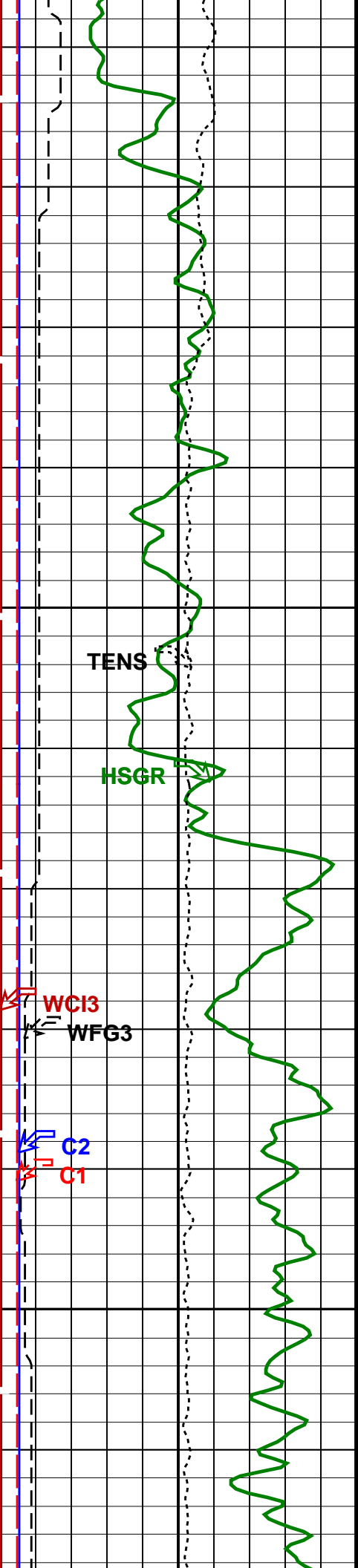
Time Mark Every 60 S

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









125

TENS

HSGR

WC13

WFG3

C2

C1

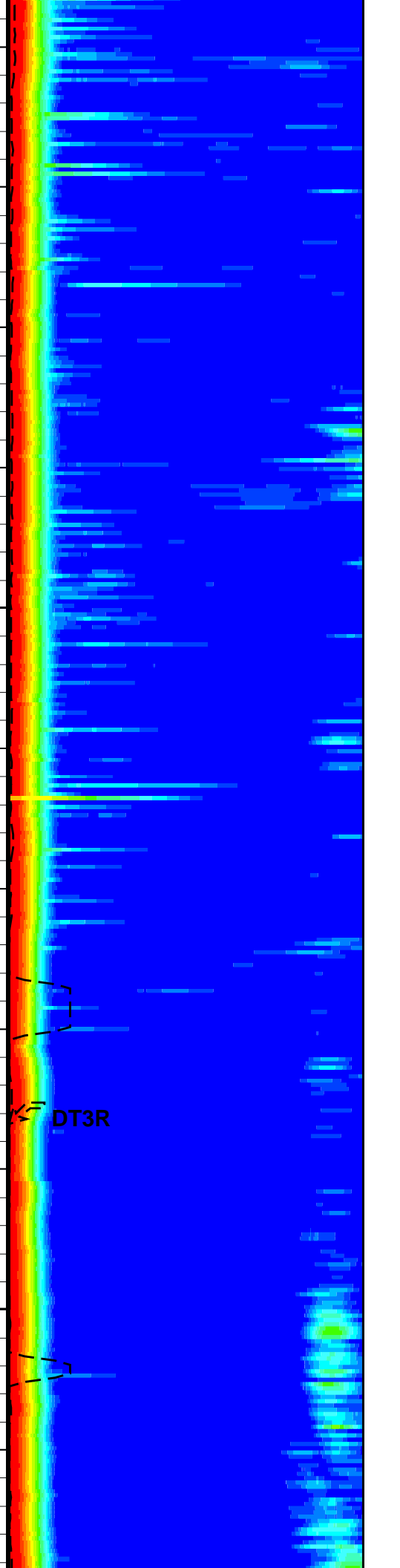
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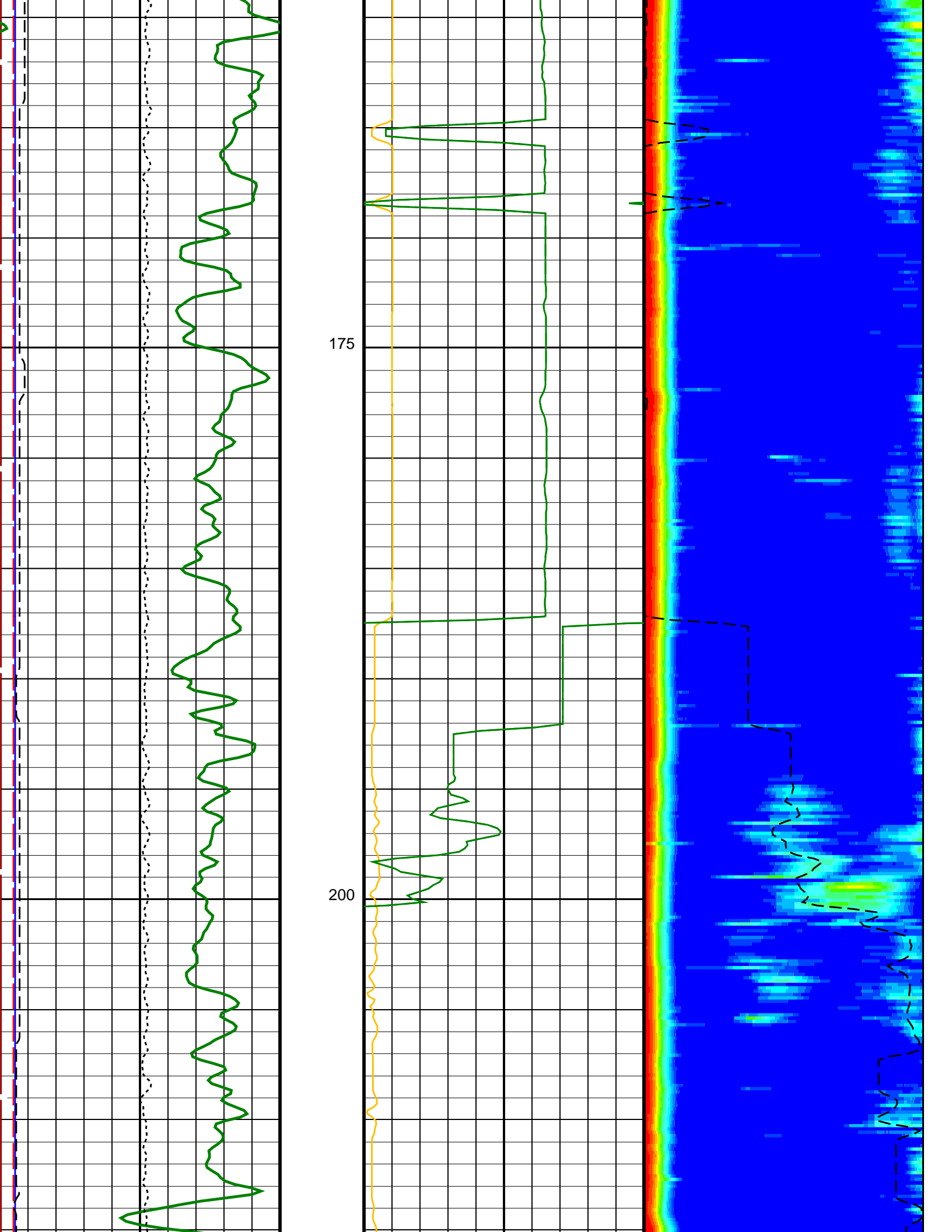
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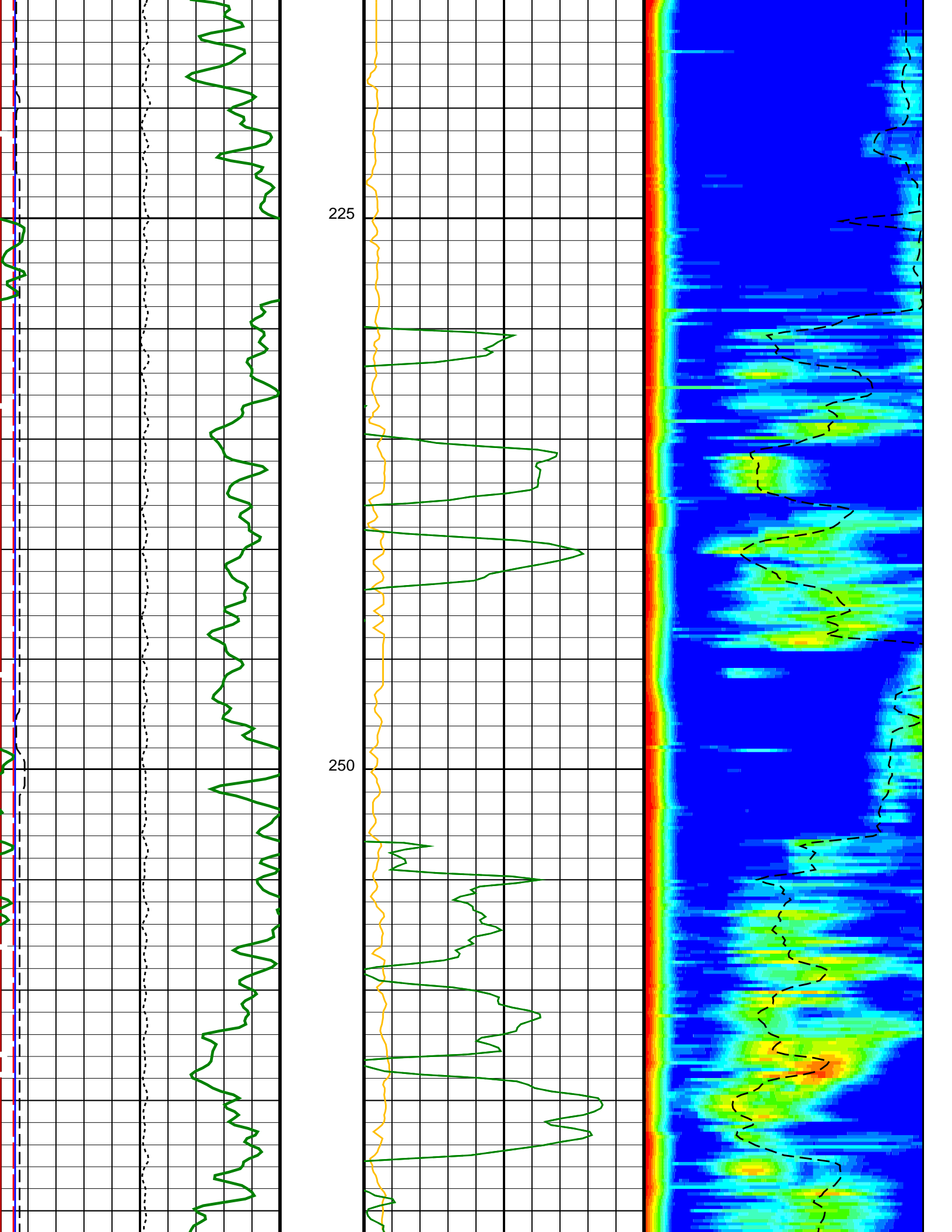
DT3R

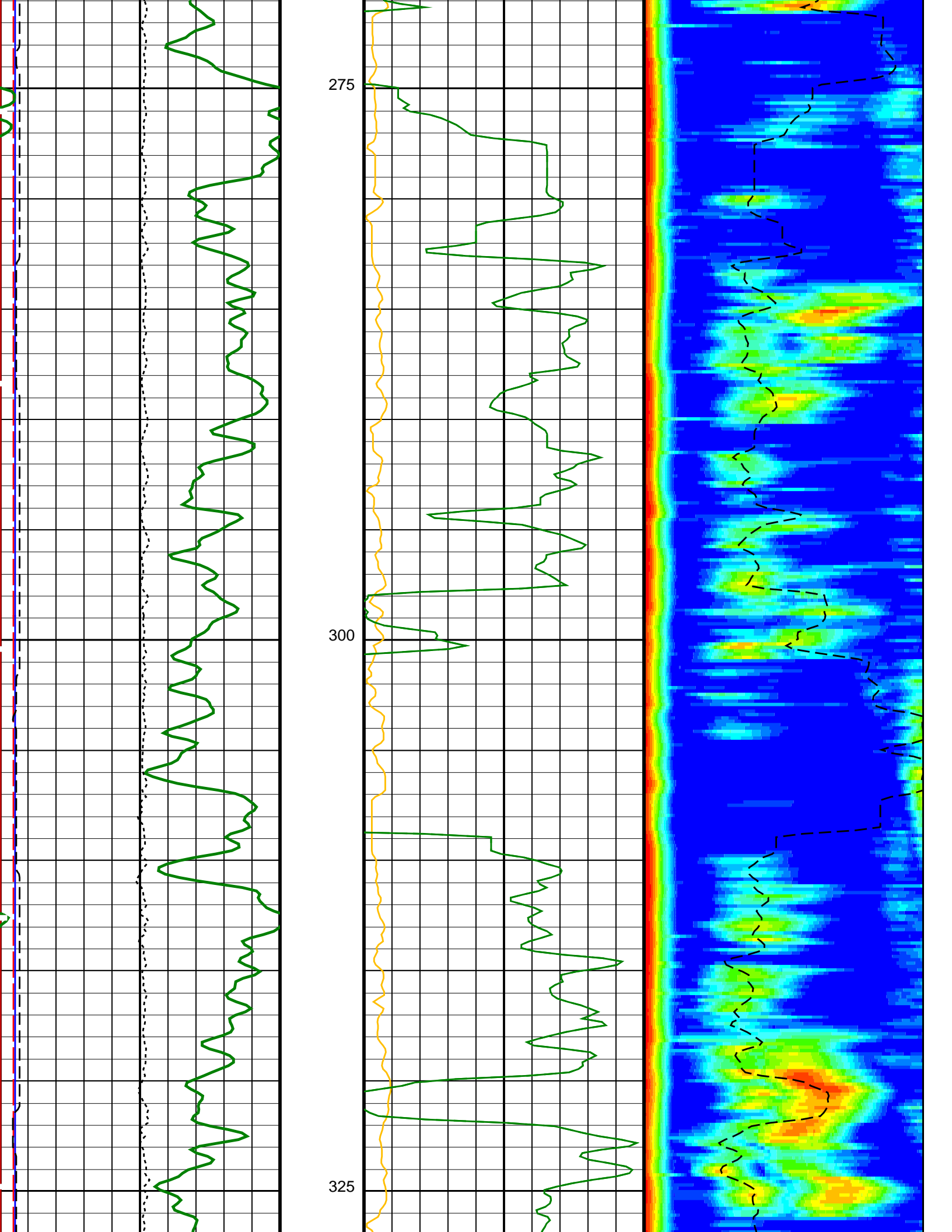
CHR3

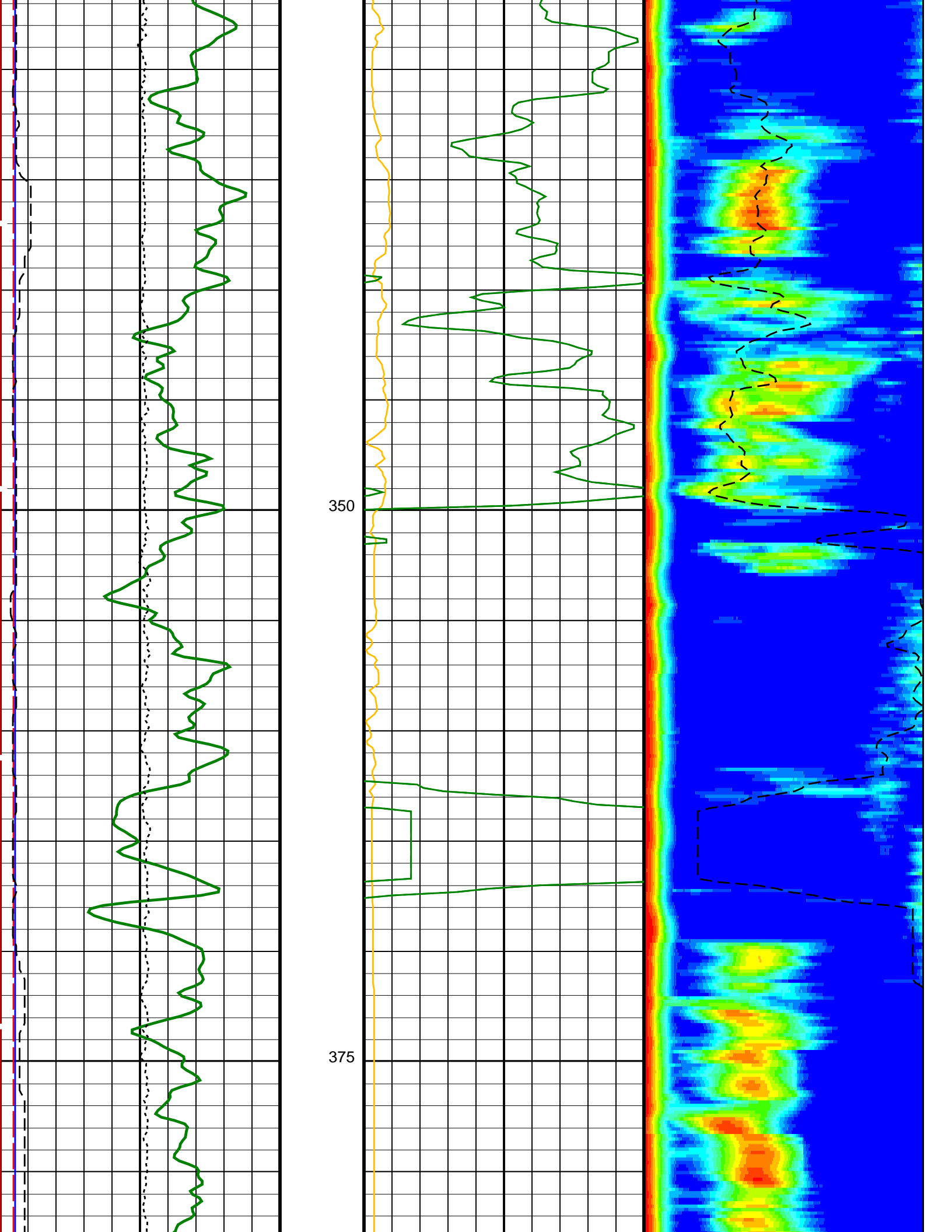
DT3R

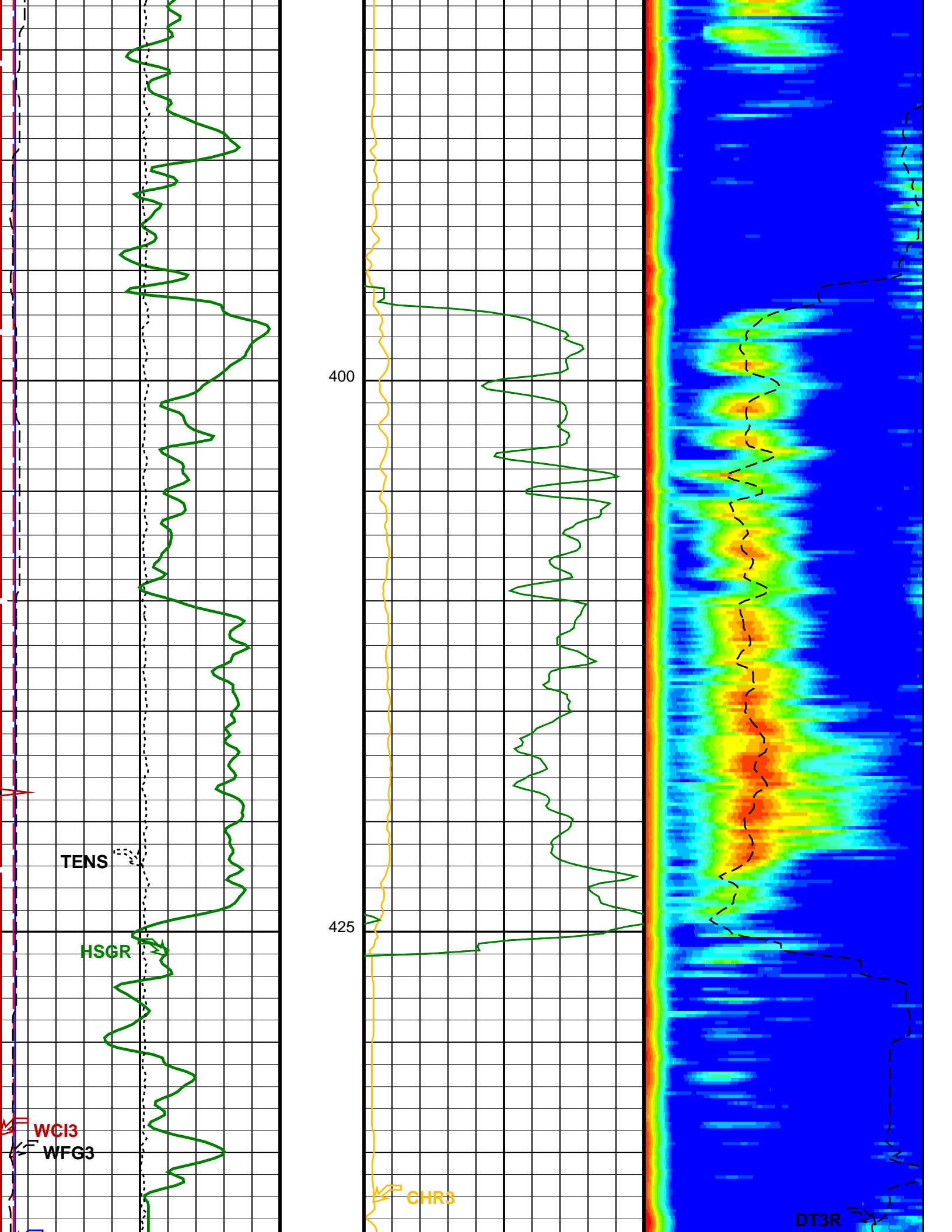












TENS

HSGR

WC13

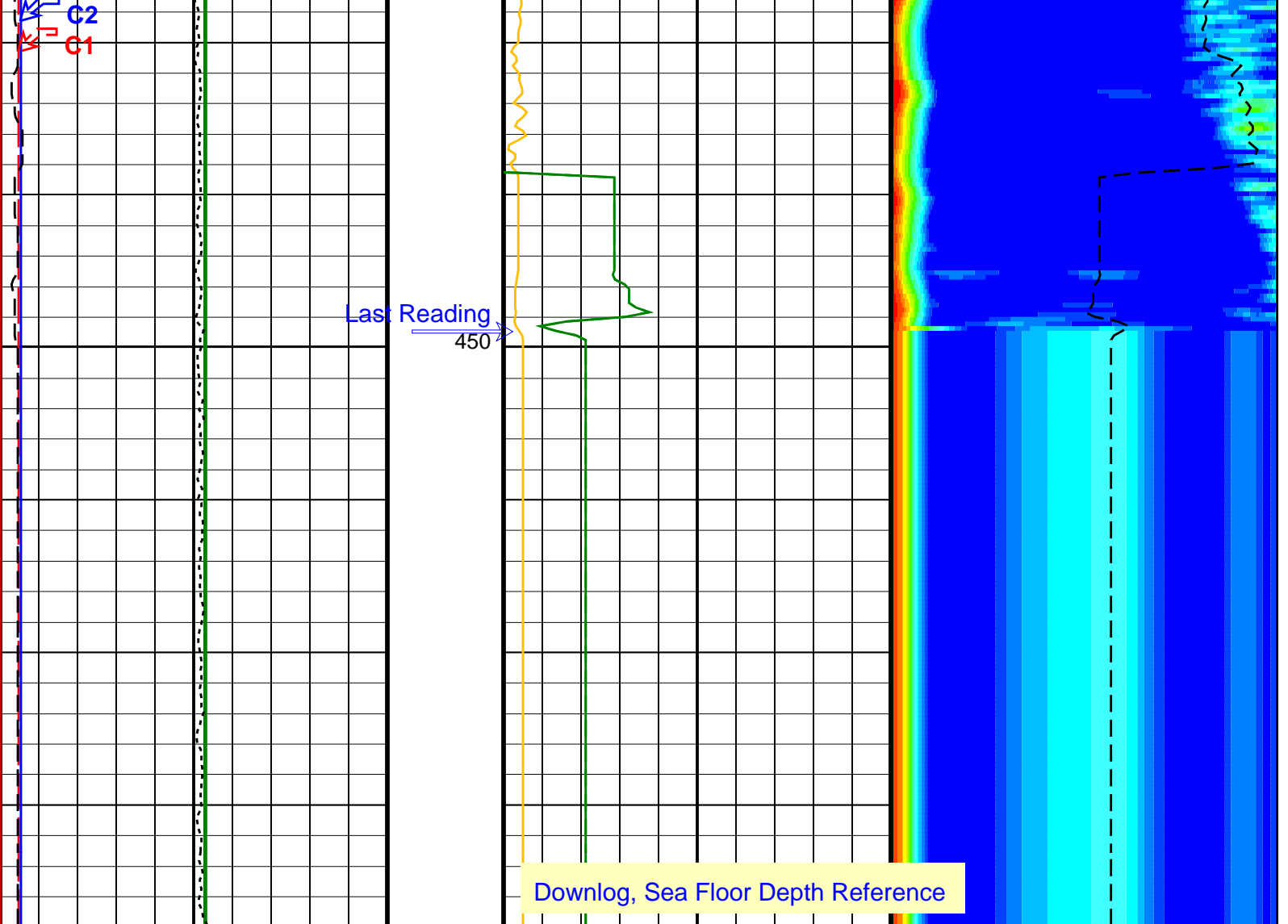
WFG3

400

425

CHR3

DT3R



0	Caliper 1 (C1) (IN)	20
0	Caliper 2 (C2) (IN)	20
0	SAM3 Waveform Gain (WFG3) (----)	1000
10000	Tension (TENS) (LBF)	0
0	Waveform Data Copy Indicator 3 - Monopole Stoneley (WC13) (----)	10
0	HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	100

0	Peak Coherence / RA - Stoneley (CHR3) (----)	10
440	Delta-T Stoneley / RA (DT3R) (US/F)	40
440	Delta-T Stoneley (DTST) (US/F)	40

180	Delta-T Stoneley / RA (DT3R) (US/F)	1200
Min	Amplitude	Max
Rec.Array Stoneley Slow Proj. CVDL (SPR3) (US/F)		
180		1200

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	DSST-B: Dipole Shear Imager - B	OPEN
DDE3	Borehole Status	0 US
	Digitizing Delay 3	

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	
GCSE	Generalized Caliper Selection	BS	
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	EVEN	
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	75	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	1200	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	1200	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	600	US
TST3	STC Time Step – Monopole Stoneley	200	US
TUL3	STC Time Upper Limit – Monopole Stoneley	15800	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWI3	STC Integration Time Window – Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM3	Waveform Mode 3	W1	
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	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0577093	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.968016	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.971696	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.21	G/C3
DO	Depth Offset for Playback	-3646.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 25-Apr-2015 00:03

OP System Version: 19C0-187

MEST-B 19C0-187

DTA-A

19C0-187

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_049LUP	PRODUCER	24-Apr-2015 20:12	4115.0 M	3595.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_061PUP	FN:55	PRODUCER	25-Apr-2015 00:03
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Company: Integrated Ocean Discovery Program Well: Expedition 355, Site U1456 C

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_049LUP	PRODUCER	24-Apr-2015 20:12	4115.0 M	3595.9 M
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Output DLIS Files










DEFAULT	FMS_DSI_NGS_050PUP	FN:44	PRODUCER	24-Apr-2015 20:13	468.9 M	-50.1 M
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OP System Version: 19C0-187

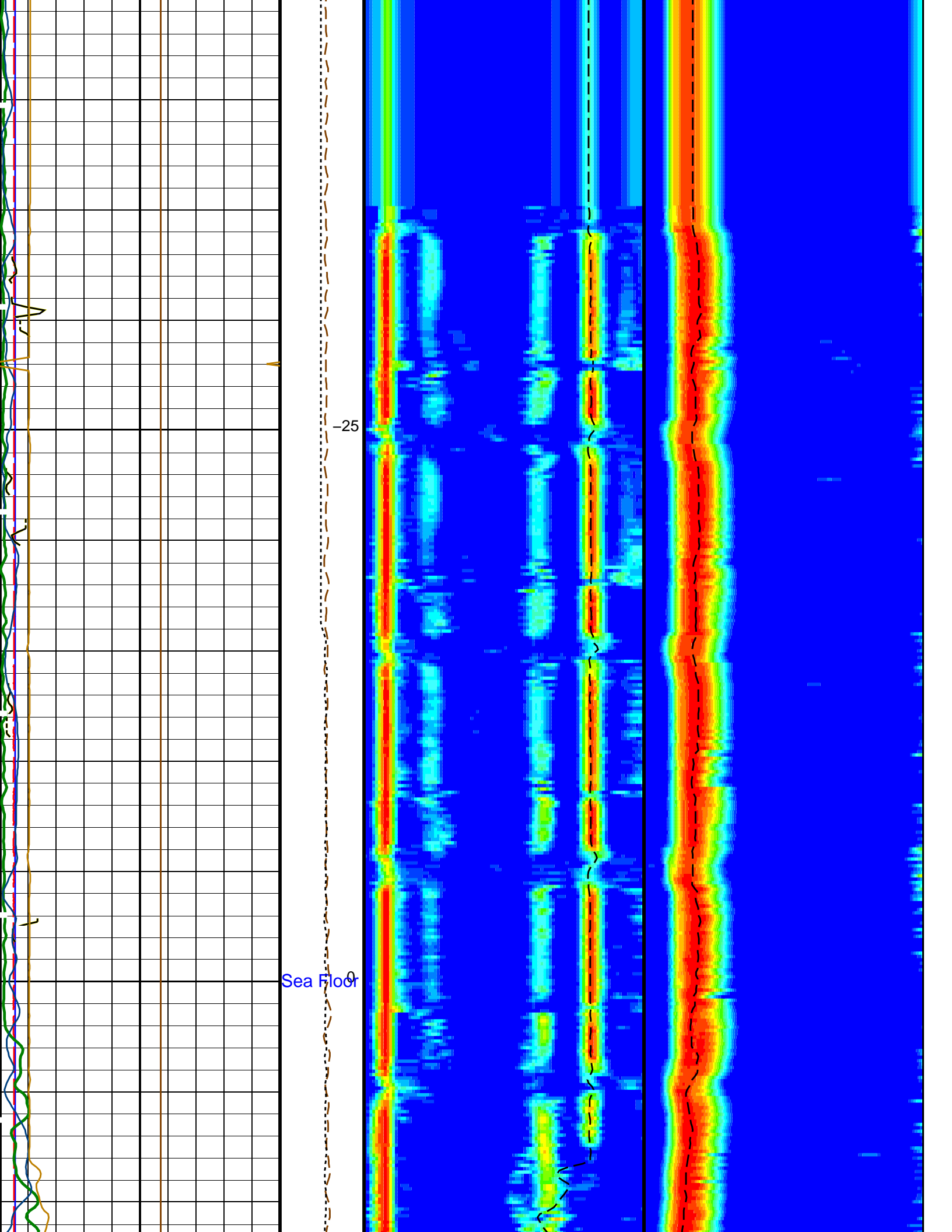
MEST-B	19C0-187	DTA-A	19C0-187
DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

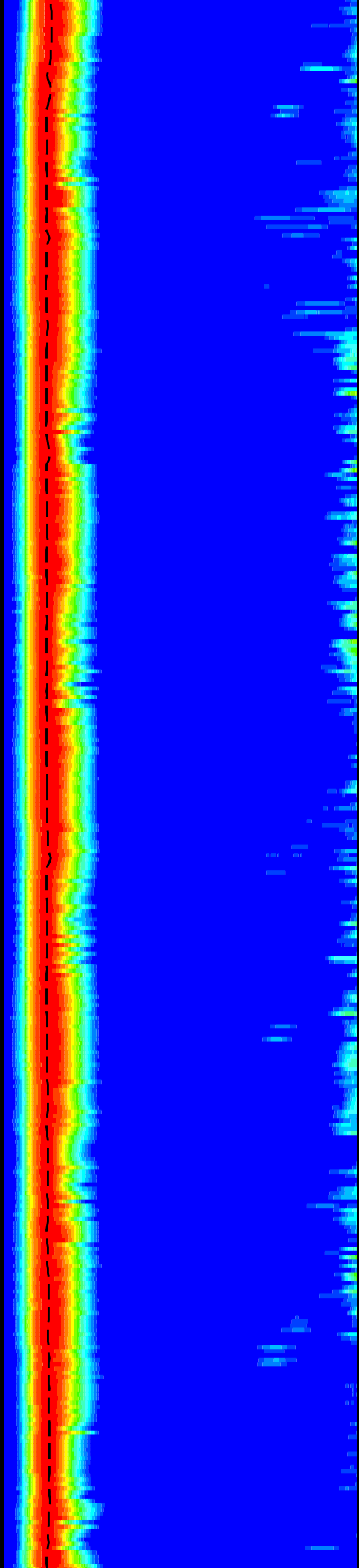
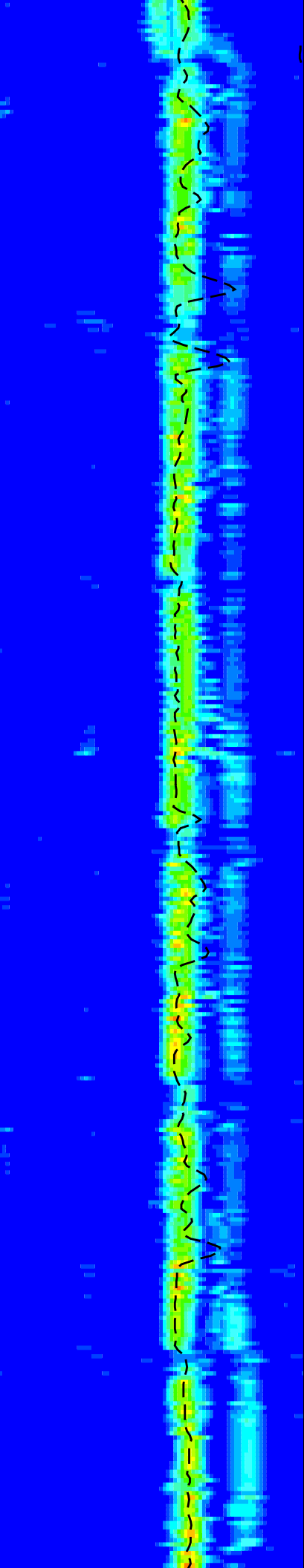
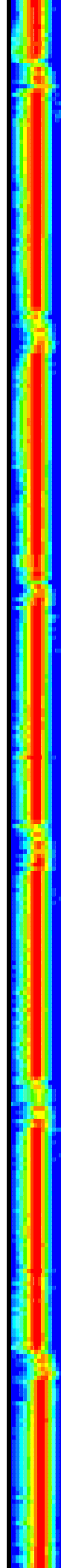
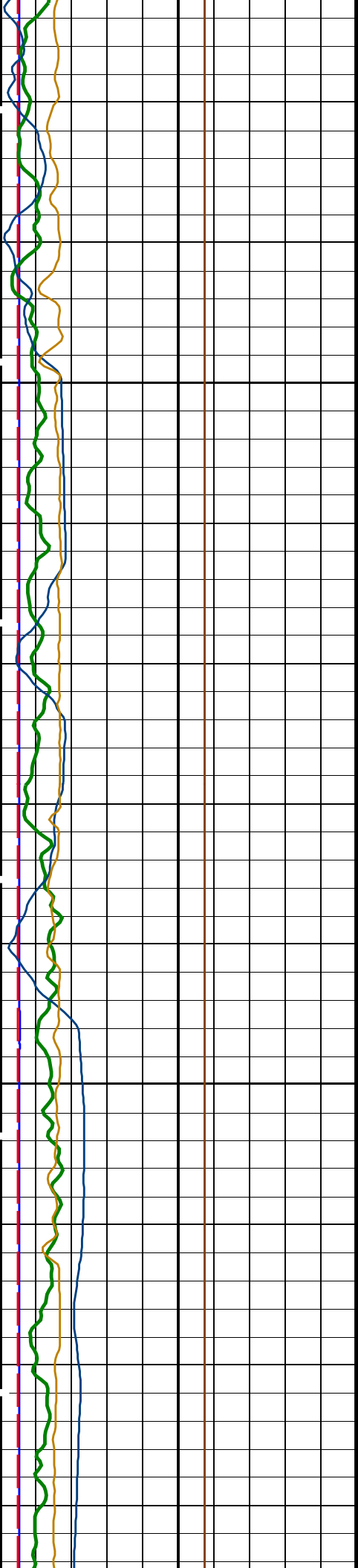
PIP SUMMARY

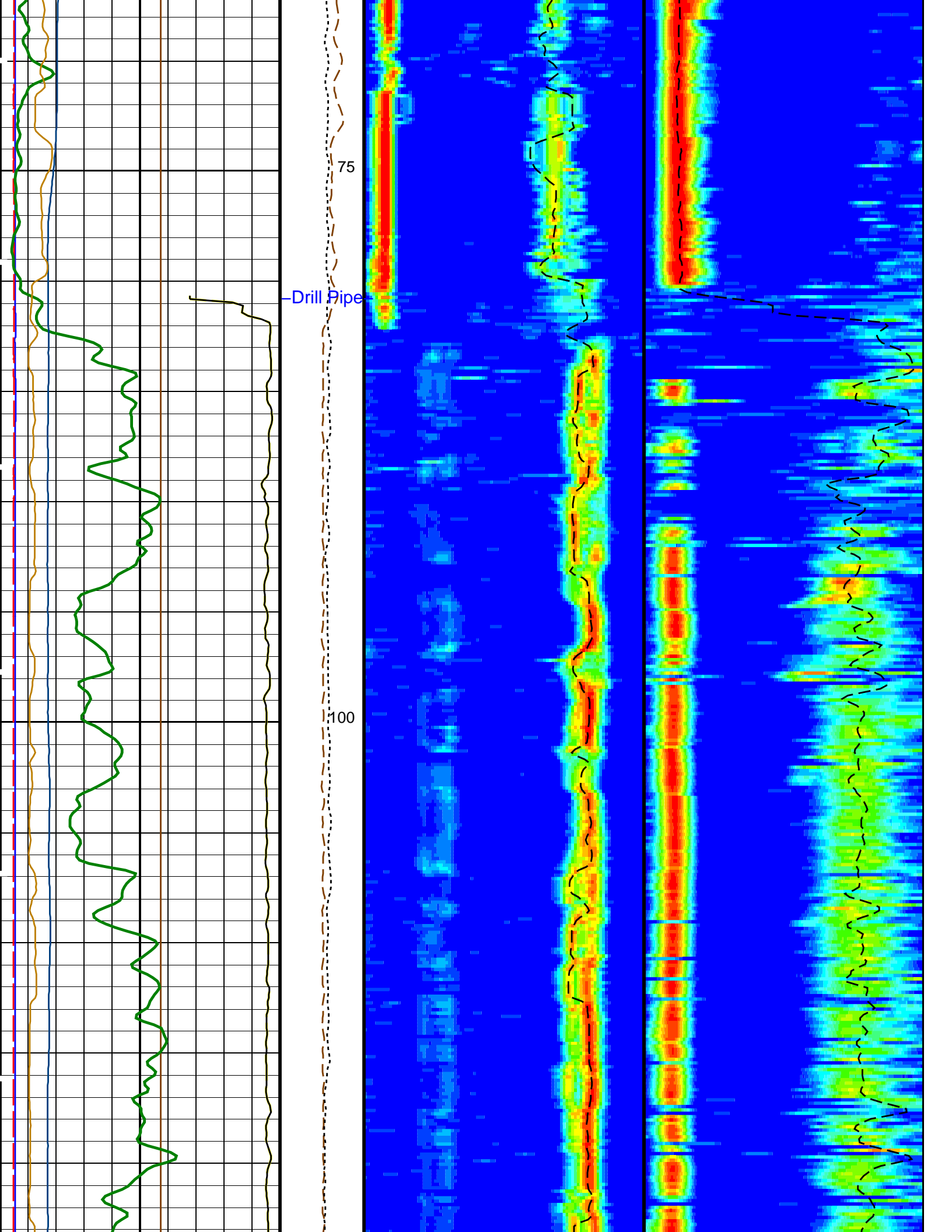
Time Mark Every 60 S

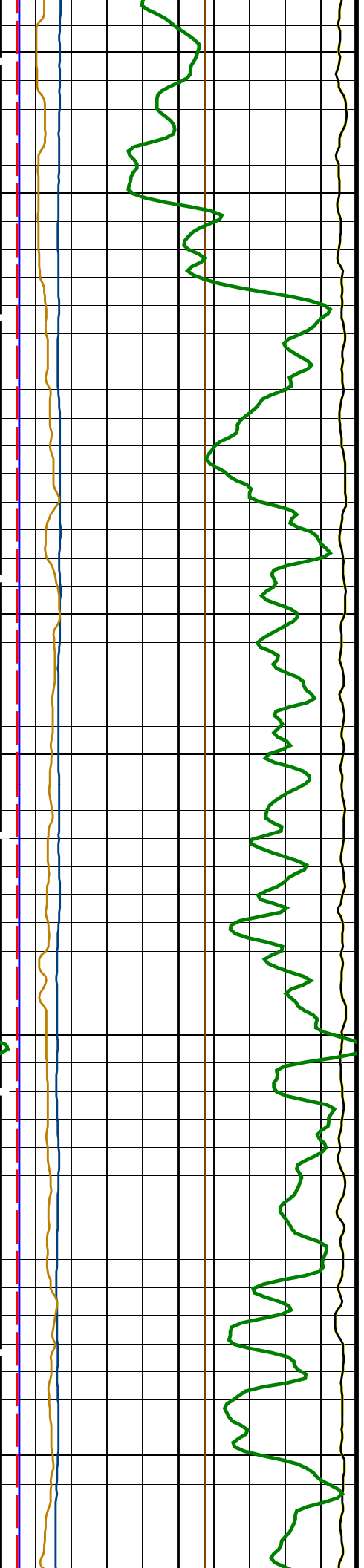
HNGS Spectroscopy Gamma Ray (HSGR)									
0 (GAPI) 100									
Poisson's Ratio (PR)									
0 (----) 0.5									
Sonic Velocity (SVEL)									
1000 (M/S) 6000									
Sonde Deviation (SDEVM)									
0 (DEG) 10									
Poisson's Ratio (PR)									
0 (----) 0.5									
Caliper 1 (C1)									
0 (IN) 20									
		<table border="1"> <tr><th>Min</th><th>Amplitude</th><th>Max</th></tr> <tr><td>40</td><td></td><td>240</td></tr> </table>	Min	Amplitude	Max	40		240	
Min	Amplitude	Max							
40		240							
Caliper 2 (C2)									
0 (IN) 20	<table border="1"> <tr><th>Min</th><th>Amplitude</th><th>Max</th></tr> <tr><td>3000</td><td></td><td>1200</td></tr> </table>	Min	Amplitude	Max	3000		1200		
Min	Amplitude	Max							
3000		1200							
Bit Size (BS)									
0 (IN) 20	<table border="1"> <tr><th>Min</th><th>Amplitude</th><th>Max</th></tr> <tr><td>10000</td><td></td><td>1200</td></tr> </table>	Min	Amplitude	Max	10000		1200		
Min	Amplitude	Max							
10000		1200							







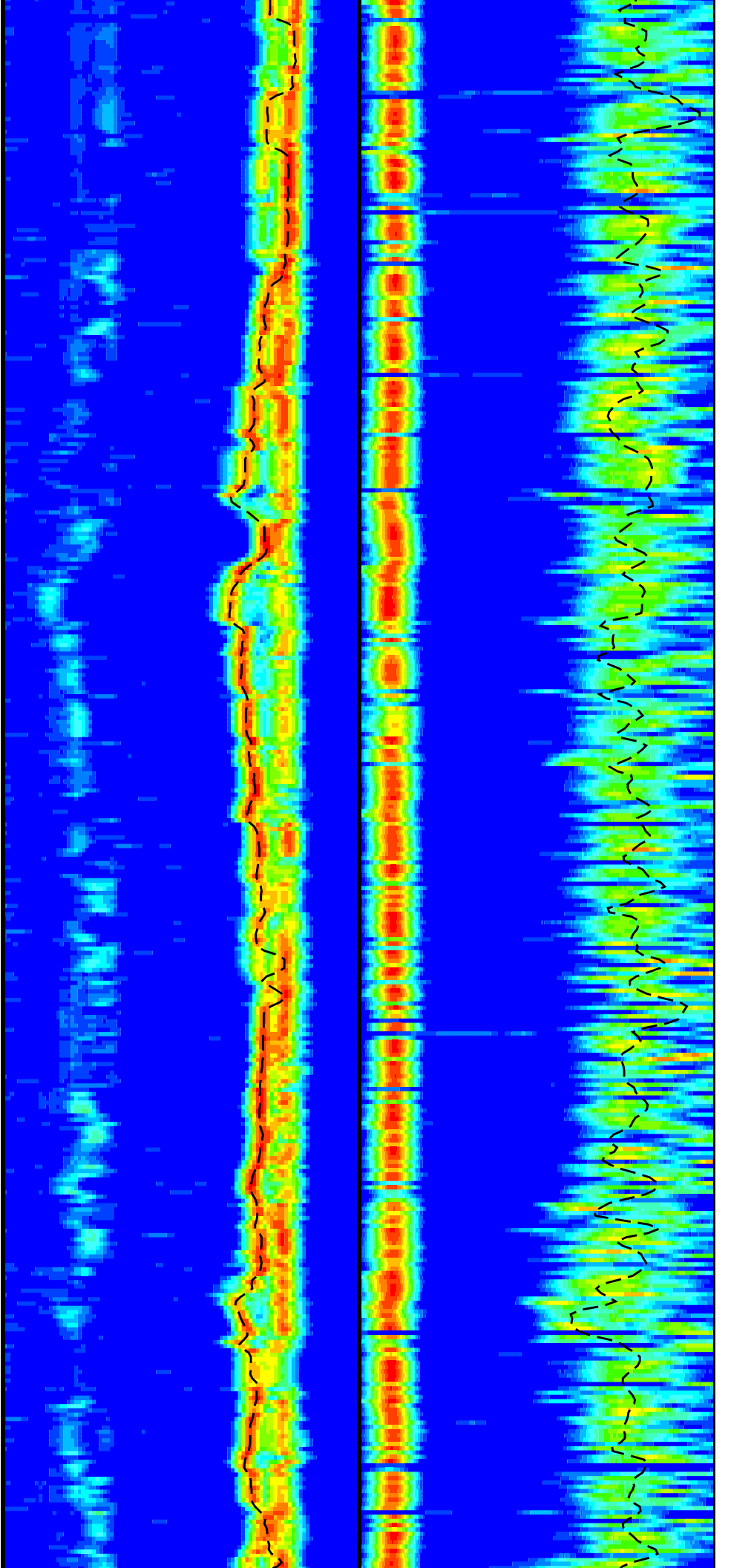


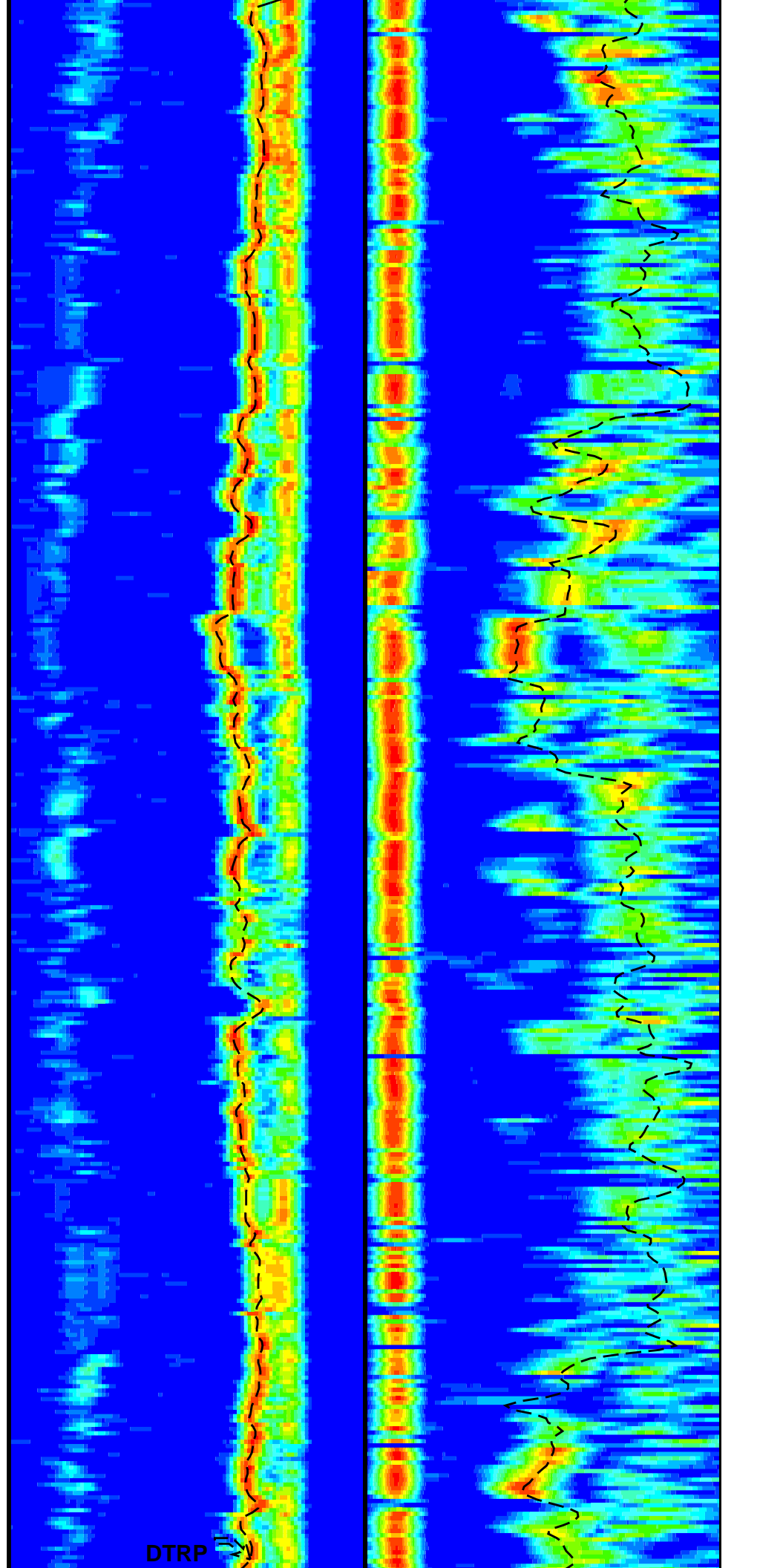
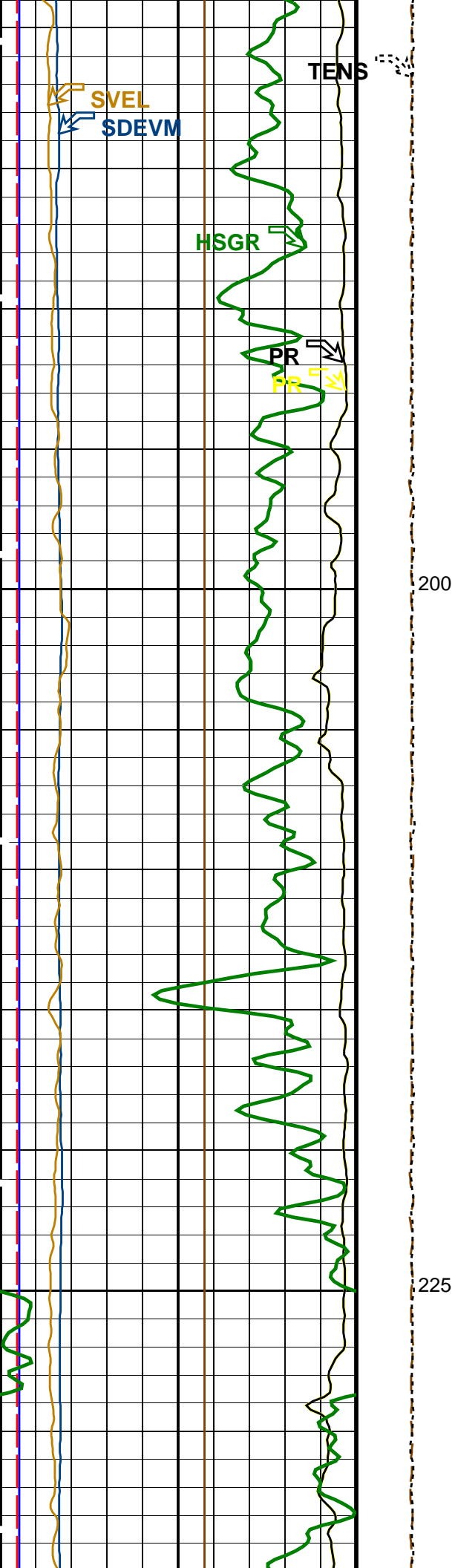


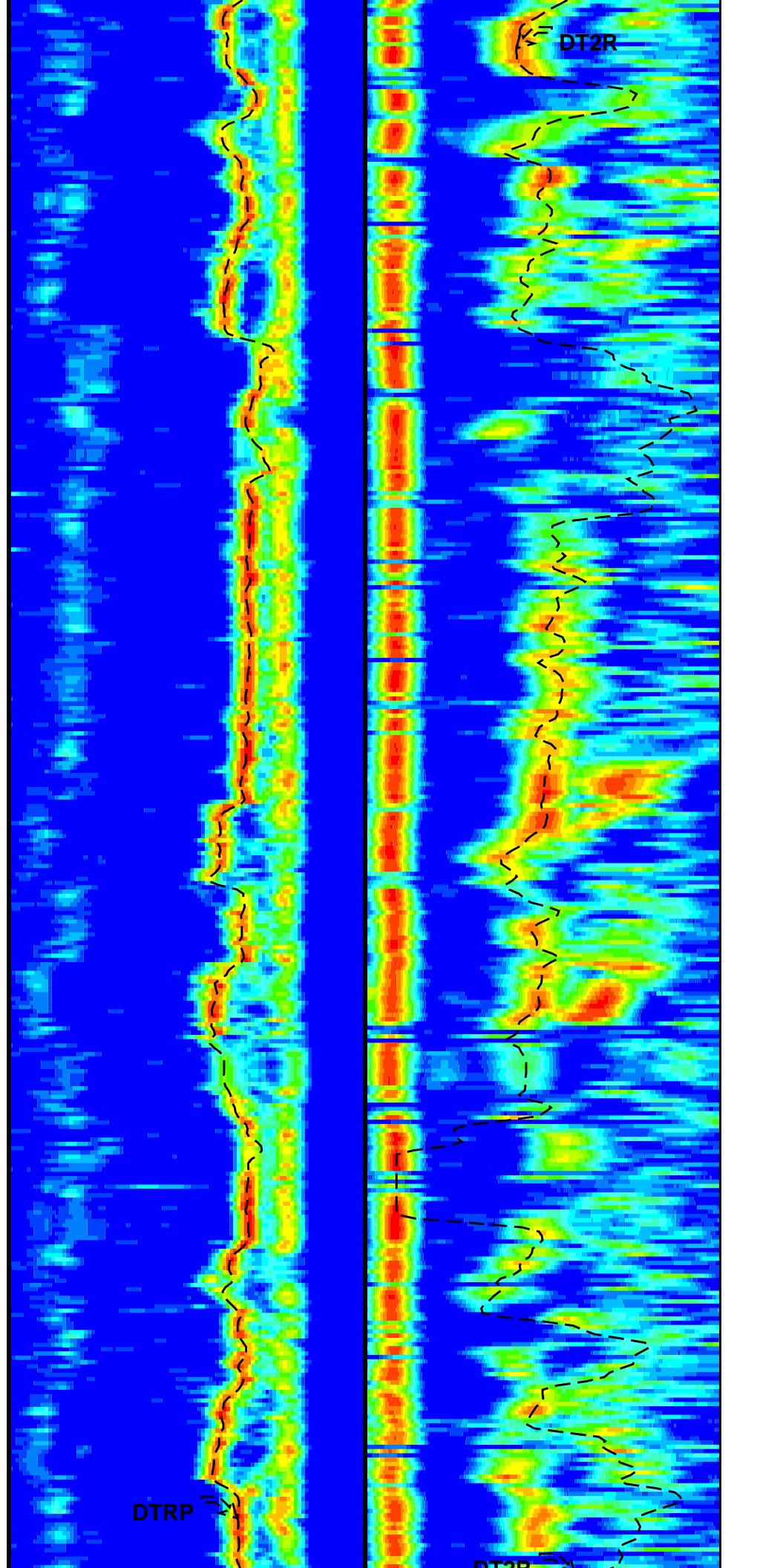
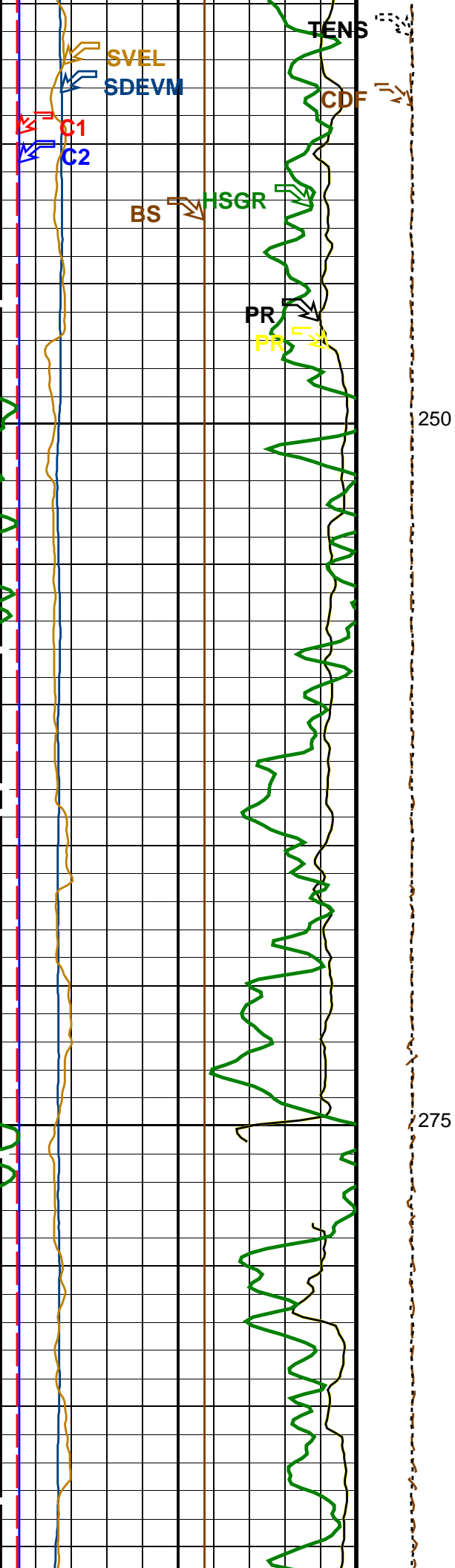
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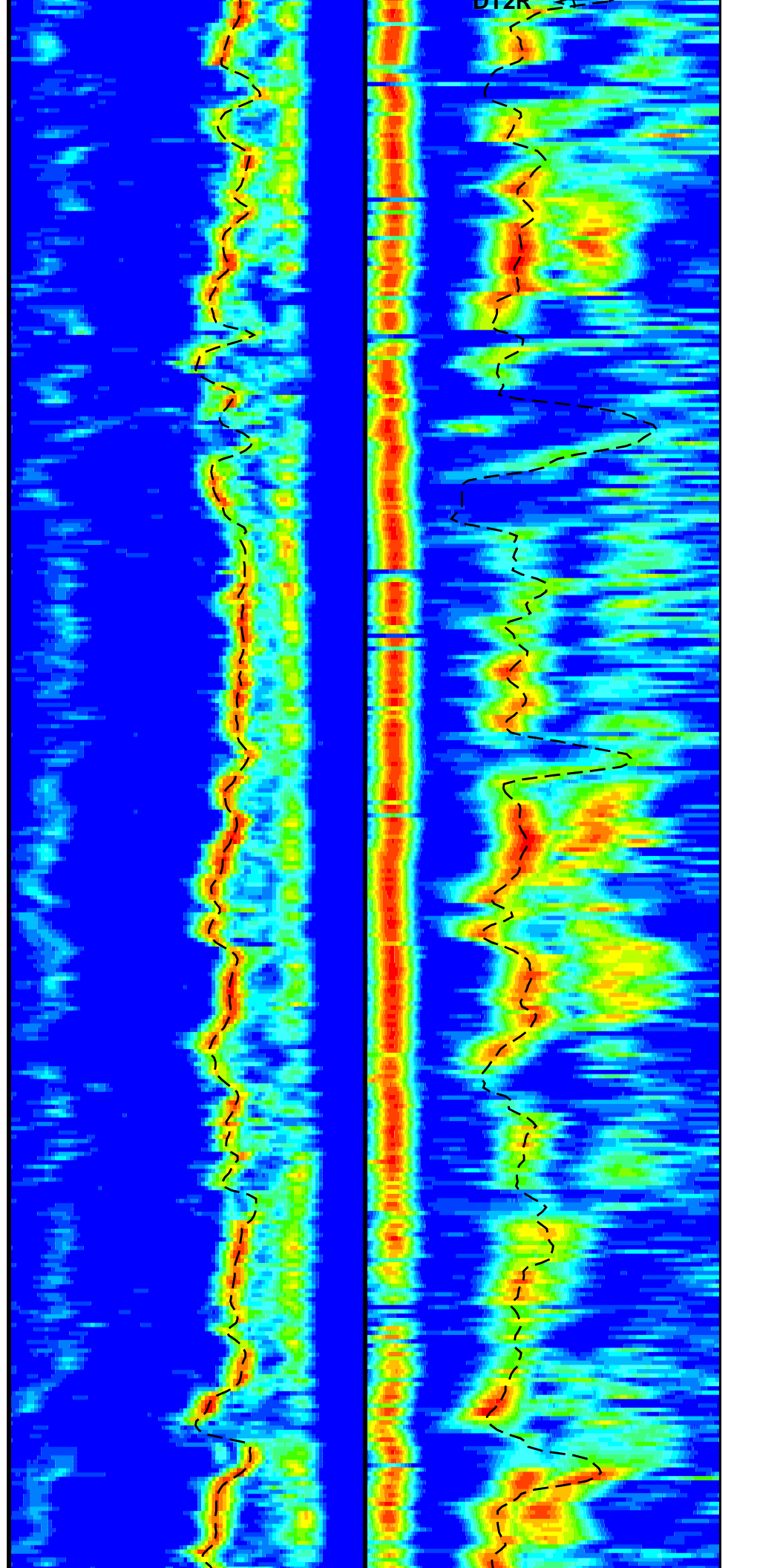
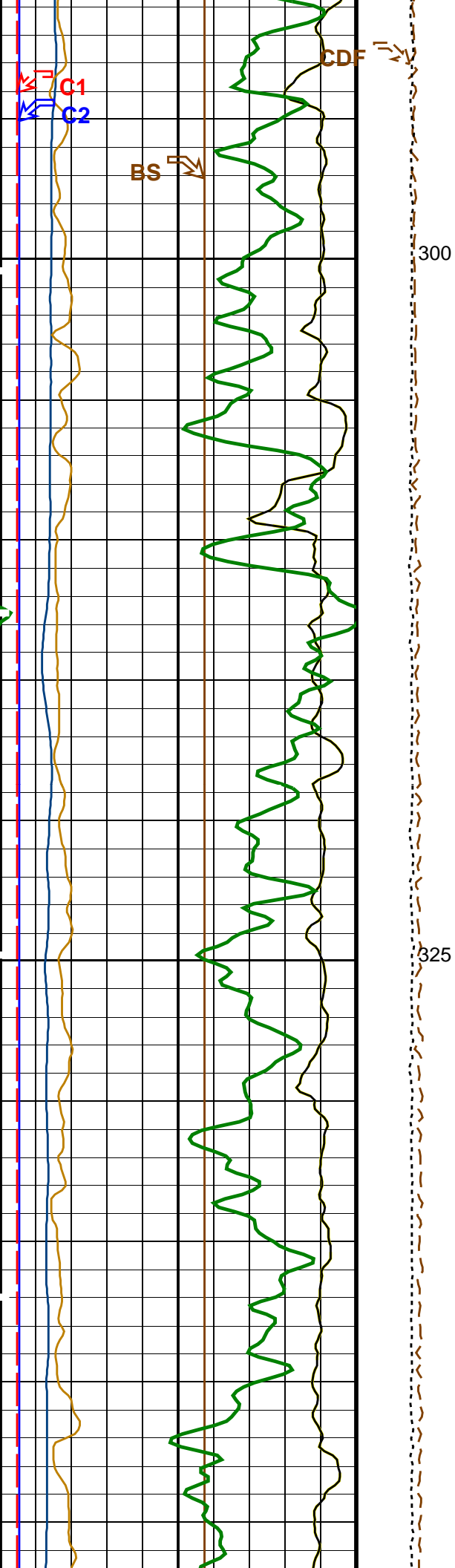
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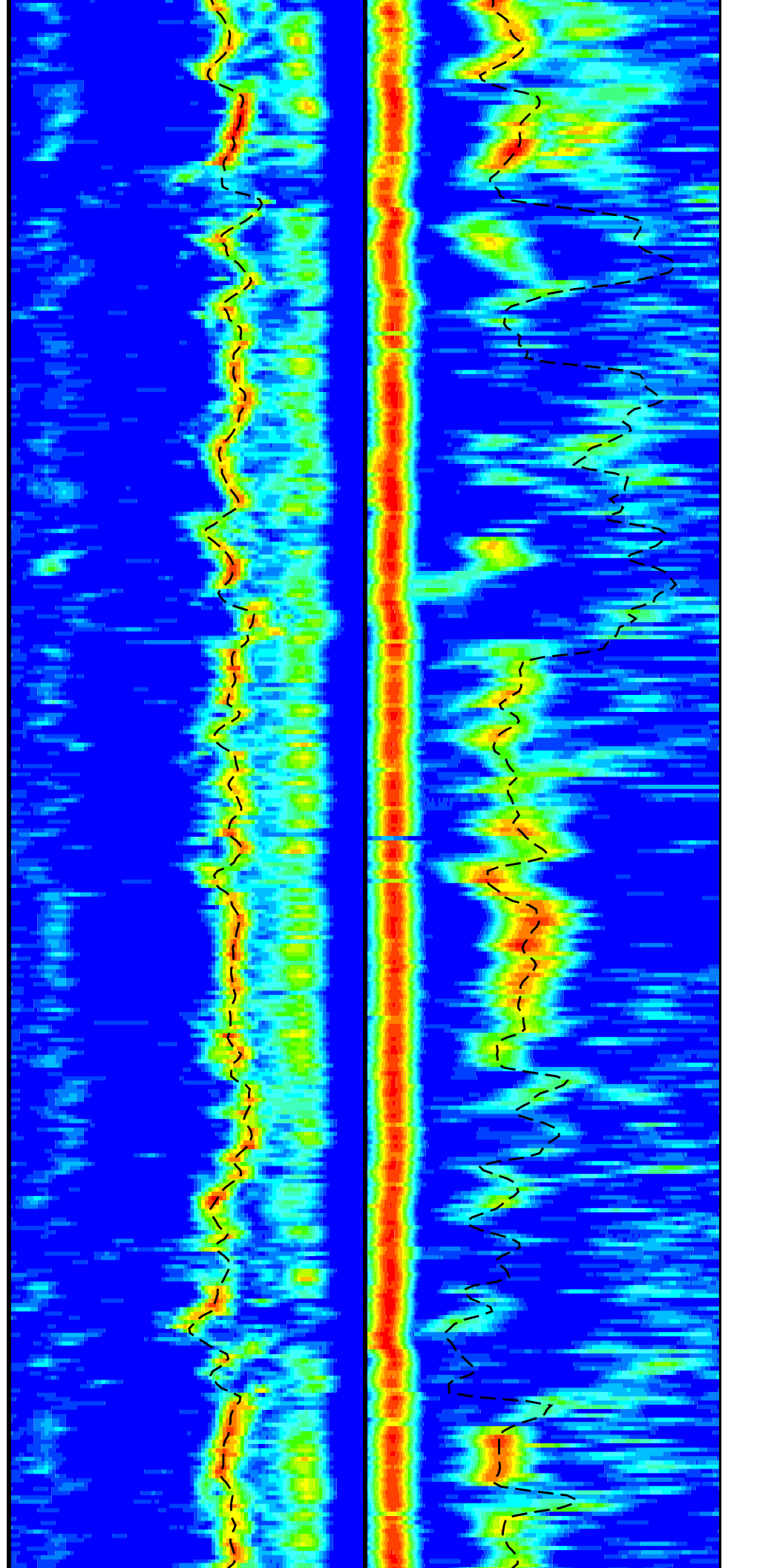
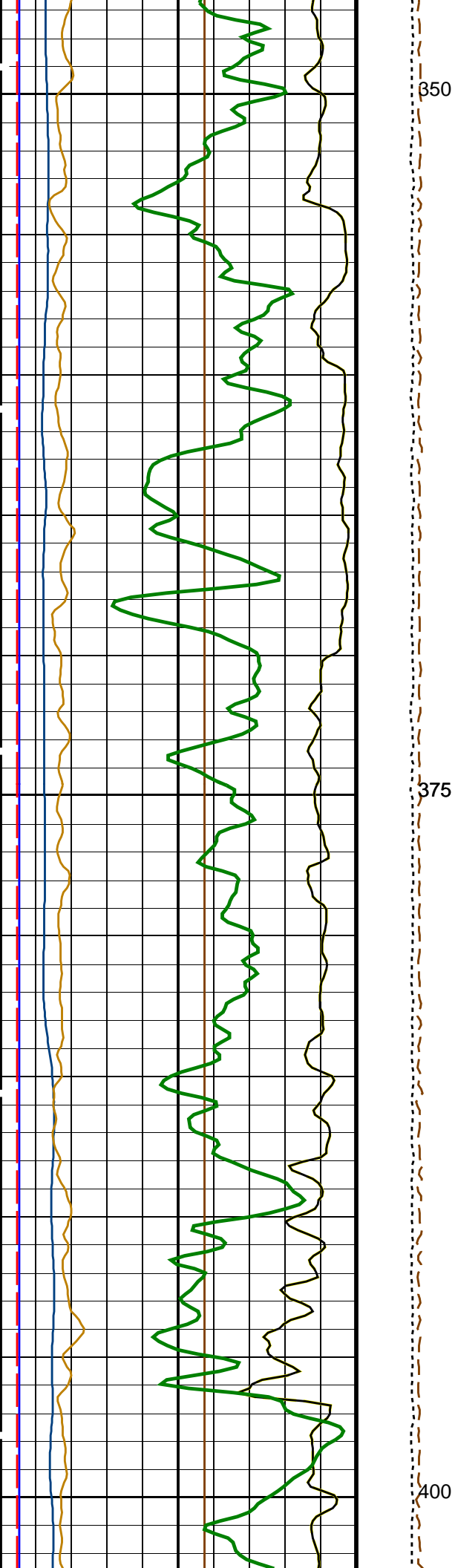
175

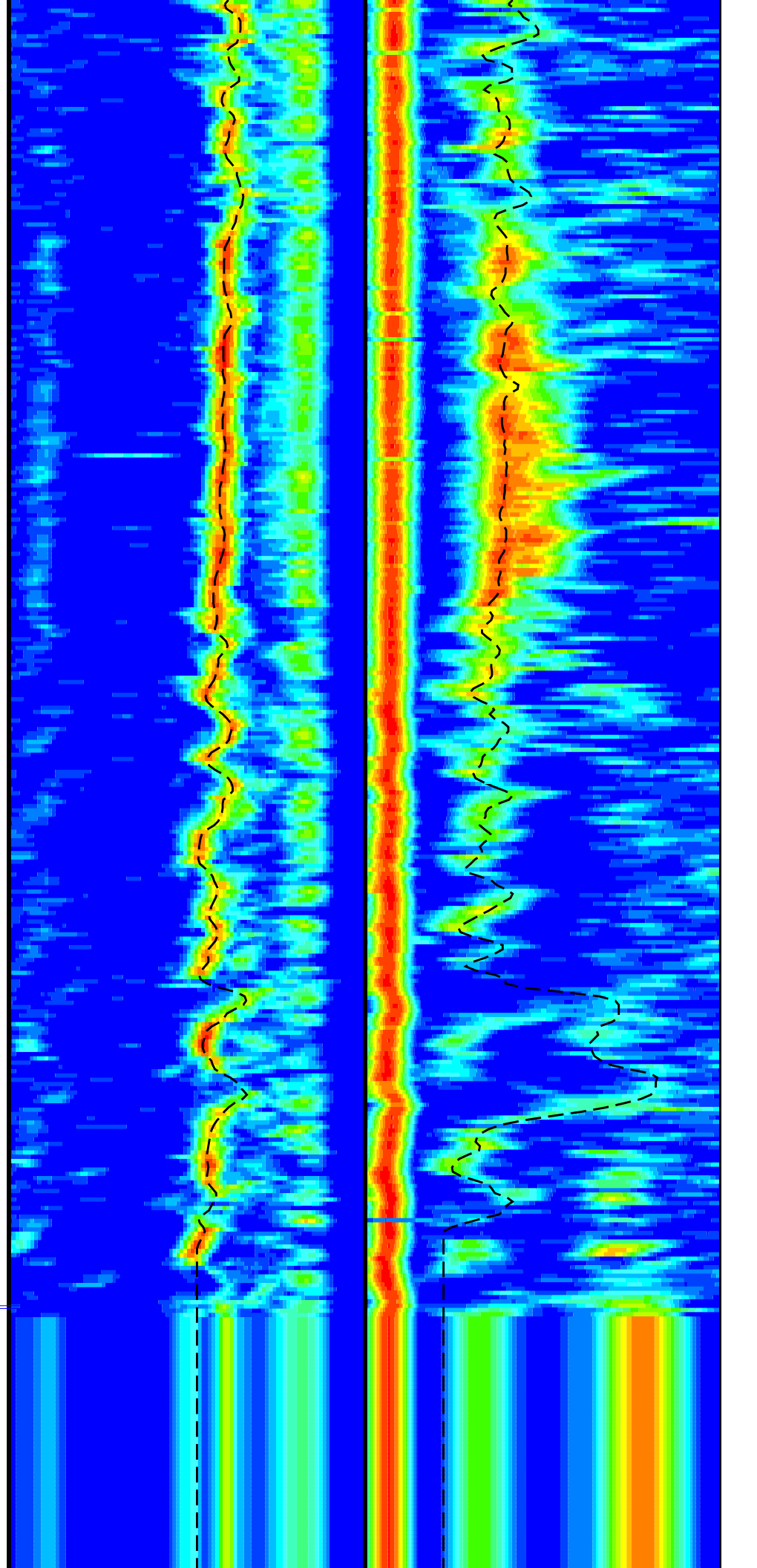
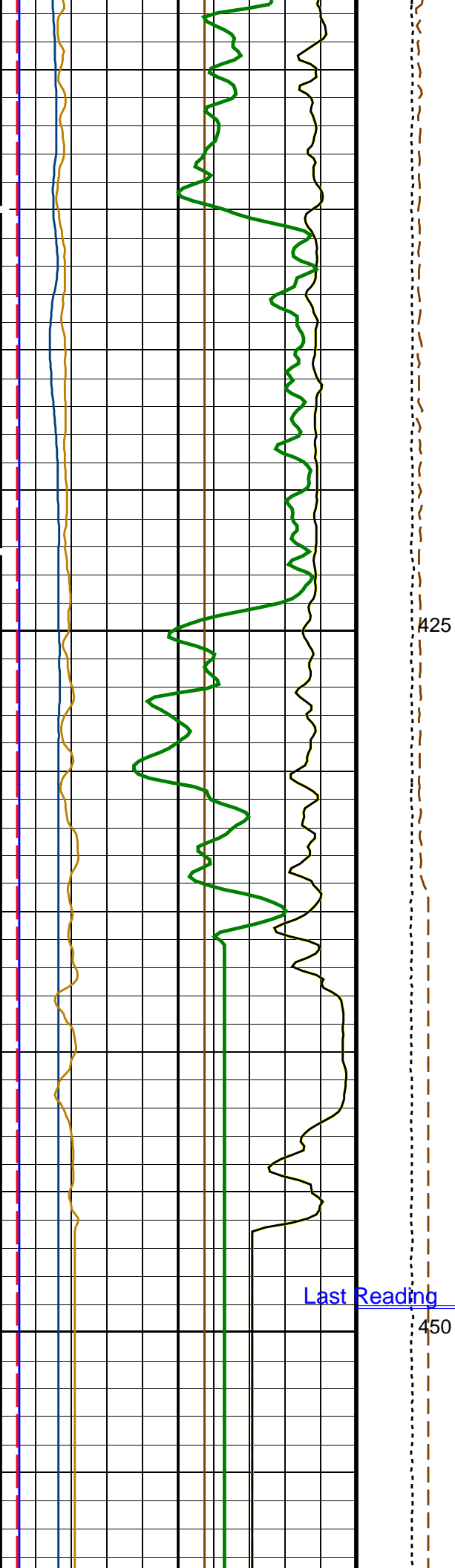


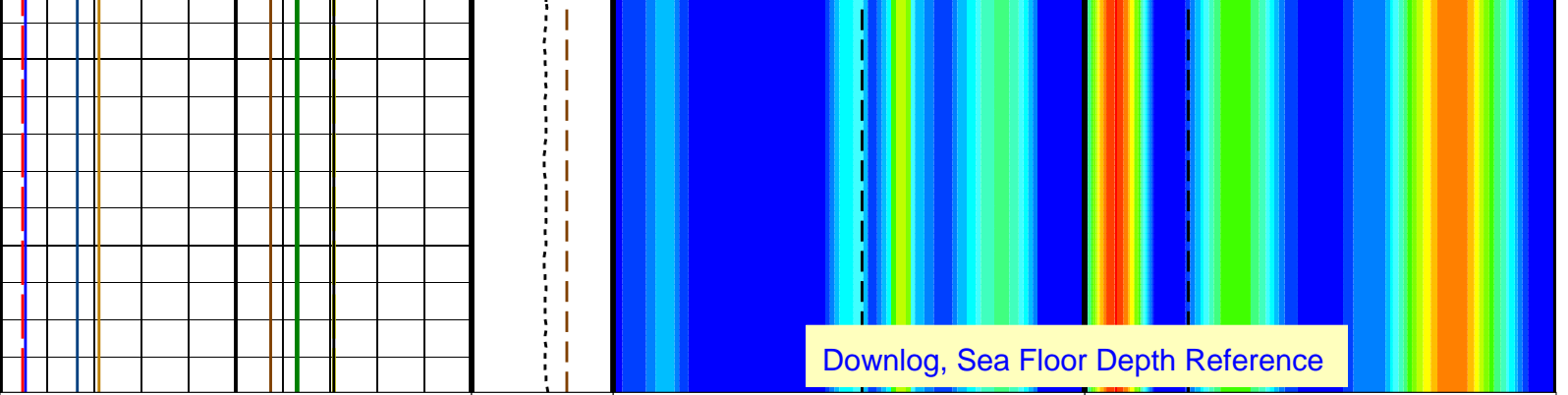












Bit Size (BS) 0 (IN) 20	Tension (TENS) (LBF) 10000 0	Delta-T Comp / RA - P & S (DTRP) (US/F) 40 240	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F) 75 1200
Caliper 2 (C2) 0 (IN) 20	Calibrated Downhole Force (CDF) (LBF) 3000 0	Delta-T Shear / RA - P & S (DTRS) (US/F) 40 240	Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F) 75 1200
Caliper 1 (C1) 0 (IN) 20		Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F) 40 240	
Poisson's Ratio (PR) 0 (----) 0.5			
Sonde Deviation (SDEVM) 0 (DEG) 10			
Sonic Velocity (SVEL) 1000 (M/S) 6000			
Poisson's Ratio (PR) 0 (----) 0.5			
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 100			

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	-0.62043 DEG
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	120 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	210 US/F
DDE2	Digitizing Delay 2	0 US
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1200 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSI4	Digitizer Sample Interval 4	10 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DTF	Delta-T Fluid	195 US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE
DWC2	Digitizer Word Count 2	512

DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
GCSE	Generalized Caliper Selection	BS	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI2	Number Waveform Items 2	8	
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
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
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	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM2	STC Filter – Upper Dipole	B1–2K	
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
SLL2	STC Slowness Lower Limit – Upper Dipole	75	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	75	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	1200	US/F
SUL2	STC Slowness Upper Limit – Upper Dipole	1200	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST2	STC Time Step – Upper Dipole	200	US
TST4	STC Time Step – Monopole P&S	50	US
TUL2	STC Time Upper Limit – Upper Dipole	20200	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
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	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00265981	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
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	

IPDS	Tool Position	CENT		
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.953116		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.961581		
BHS	EDTC-B: Enhanced DTS Cartridge			
GCSE	Borehole Status	OPEN		
	Generalized Caliper Selection	BS		
	DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M	
TIMD	Along-hole depth of Tie-in Point	0	M	
TIVD	TVD of Tie-in Point	0	M	
	System and Miscellaneous			
BS	Bit Size	11.438	IN	
DFD	Drilling Fluid Density	1.21	G/C3	
DO	Depth Offset for Playback	-3646.0	M	
PP	Playback Processing	NORMAL		

Format: DSST_P_S_UPPER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24-Apr-2015 20:13

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_049LUP	PRODUCER	24-Apr-2015 20:12	4115.0 M	3595.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_050PUP	FN:44	PRODUCER	24-Apr-2015 20:13	
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Company: Integrated Ocean Discovery Program Well: Expedition 355, Site U1456 C

Input DLIS Files

DEFAULT	Flip_FMS_DSI_NGS_049LUP	PRODUCER	24-Apr-2015 20:12	4115.0 M	3595.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_050PUP	FN:44	PRODUCER	24-Apr-2015 20:13	468.9 M	-50.1 M
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OP System Version: 19C0-187

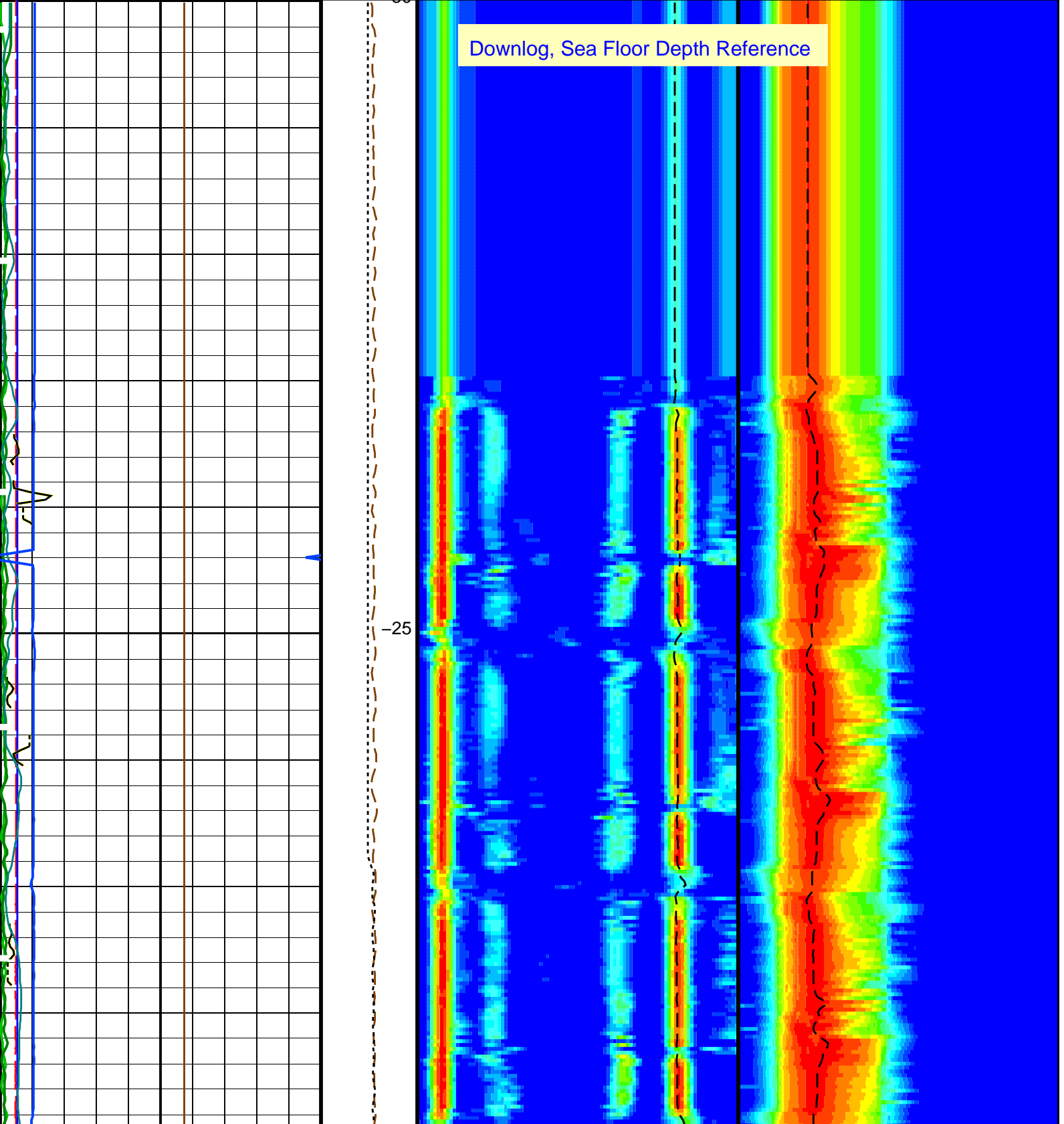
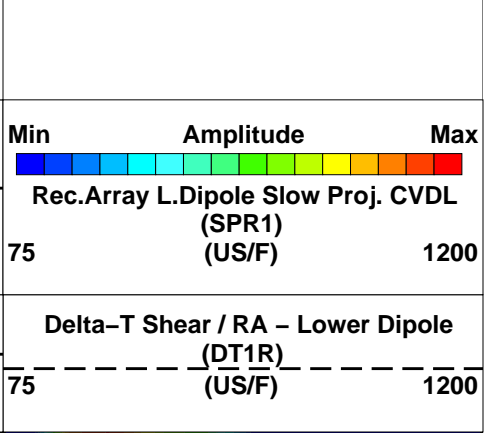
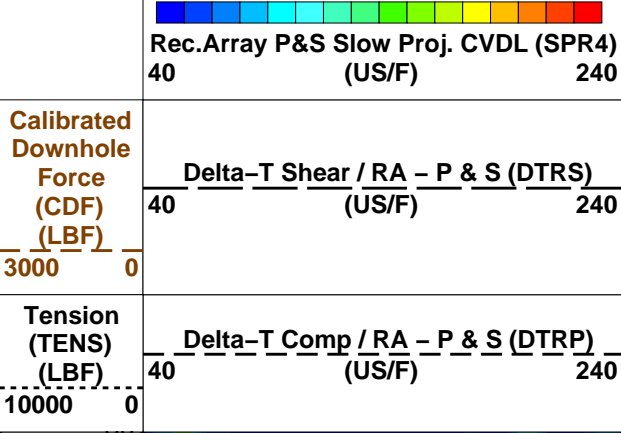
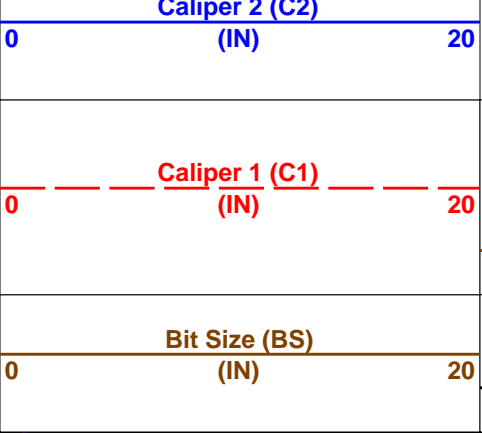
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DSST-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	SKK-5169-EDTCB

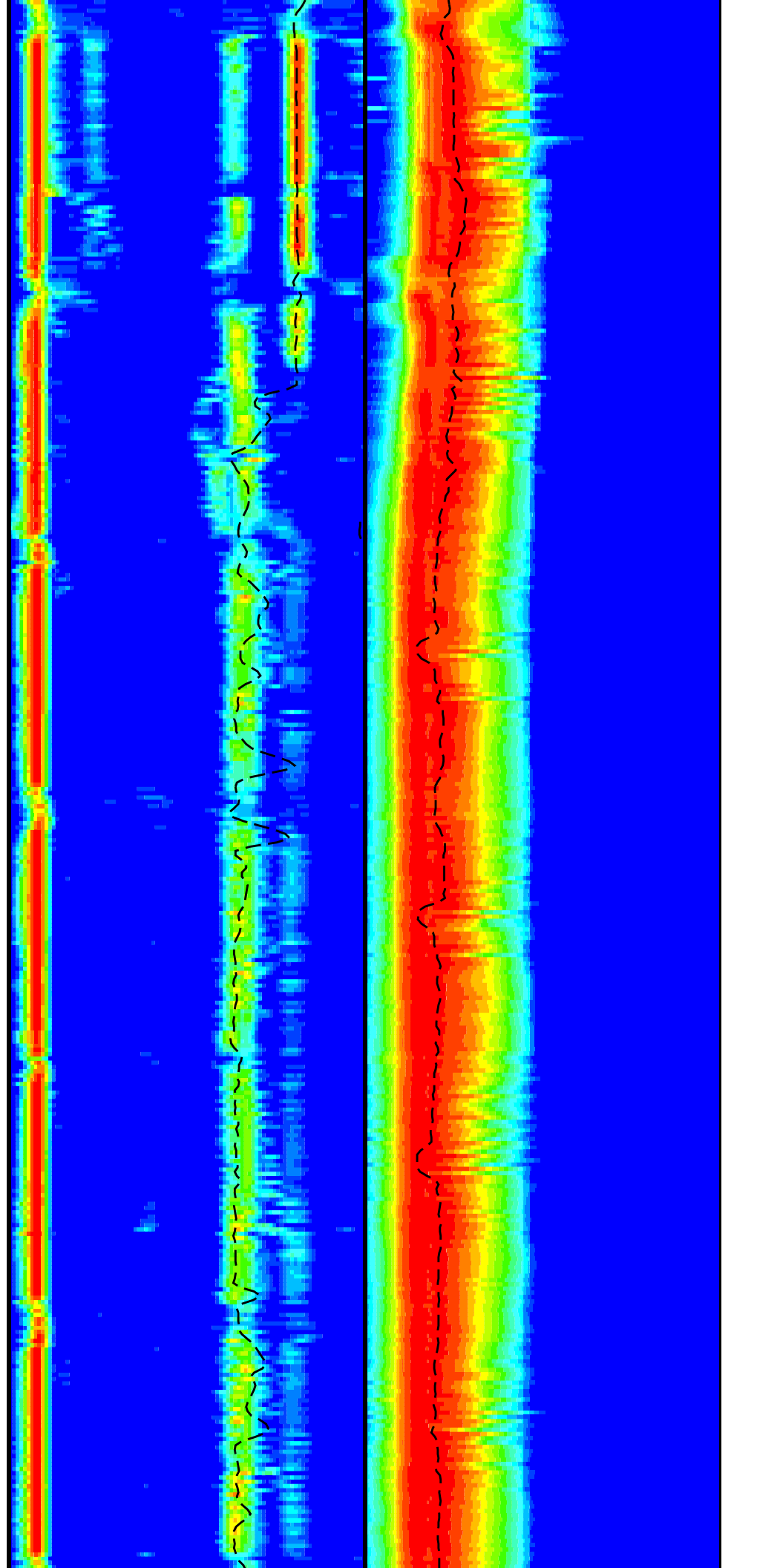
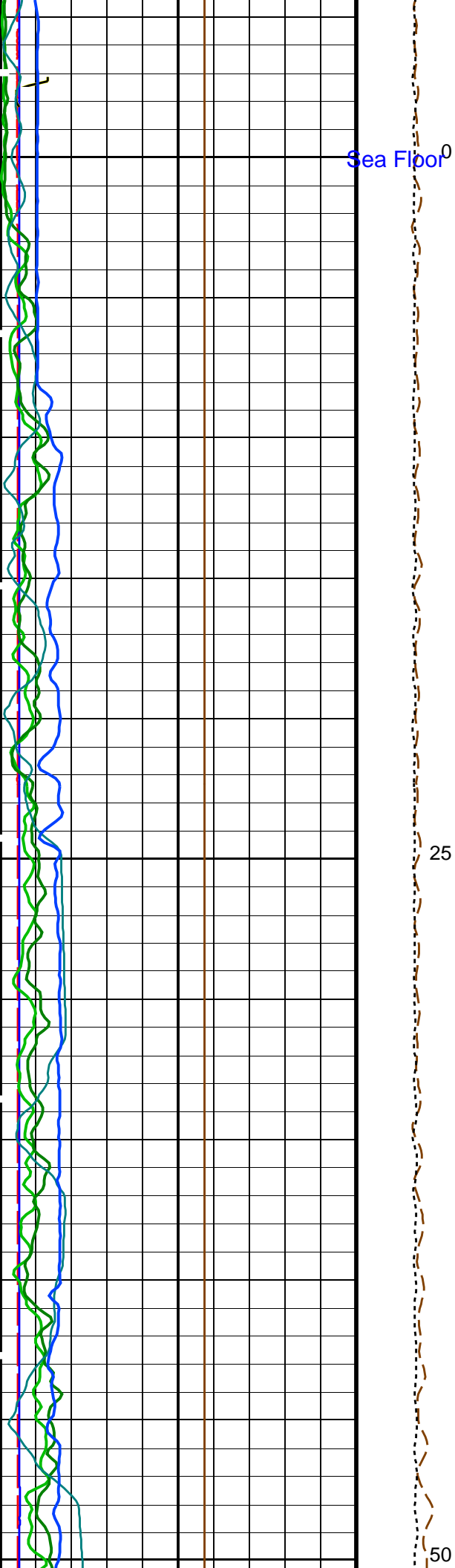
PIP SUMMARY

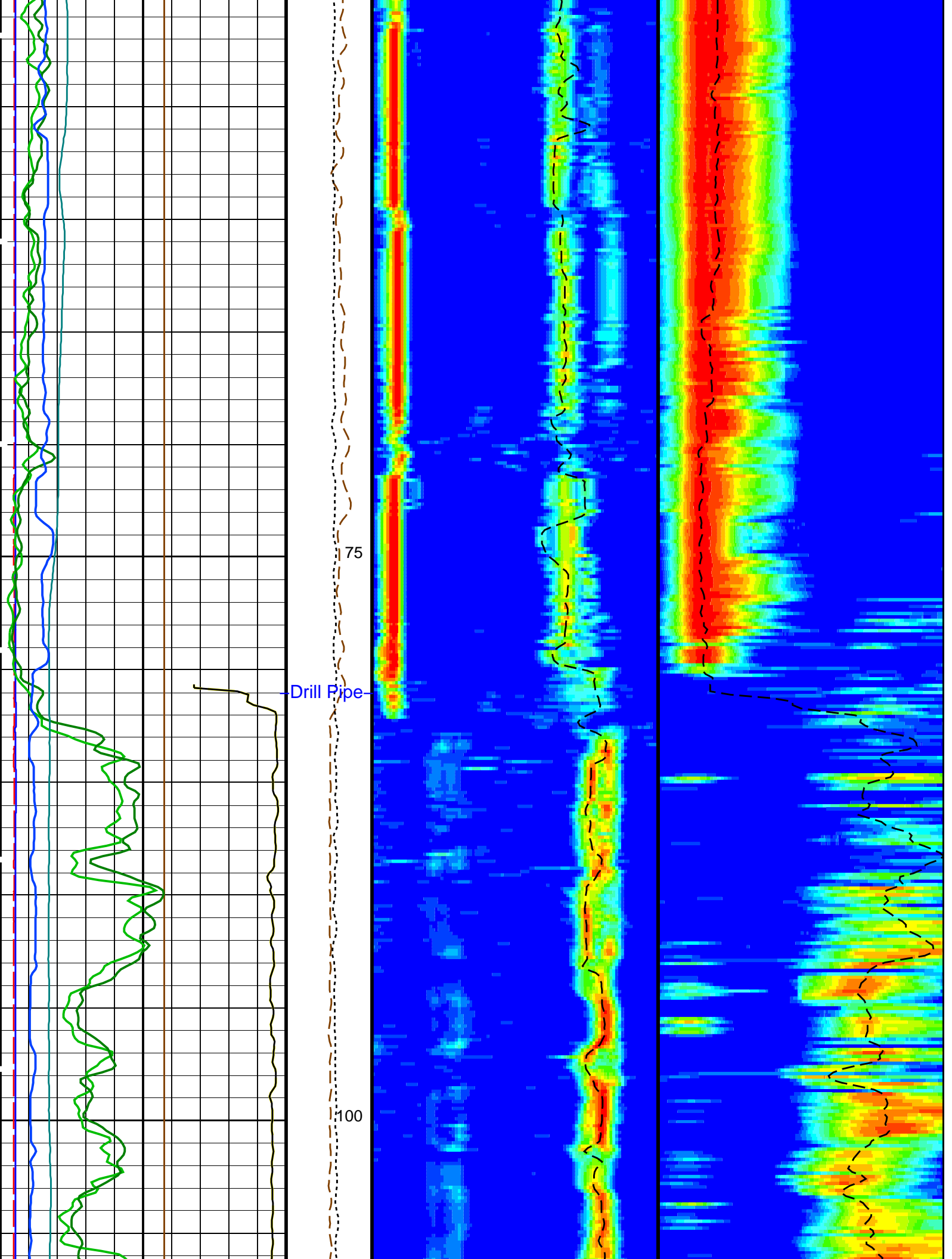
Time Mark Every 60 S

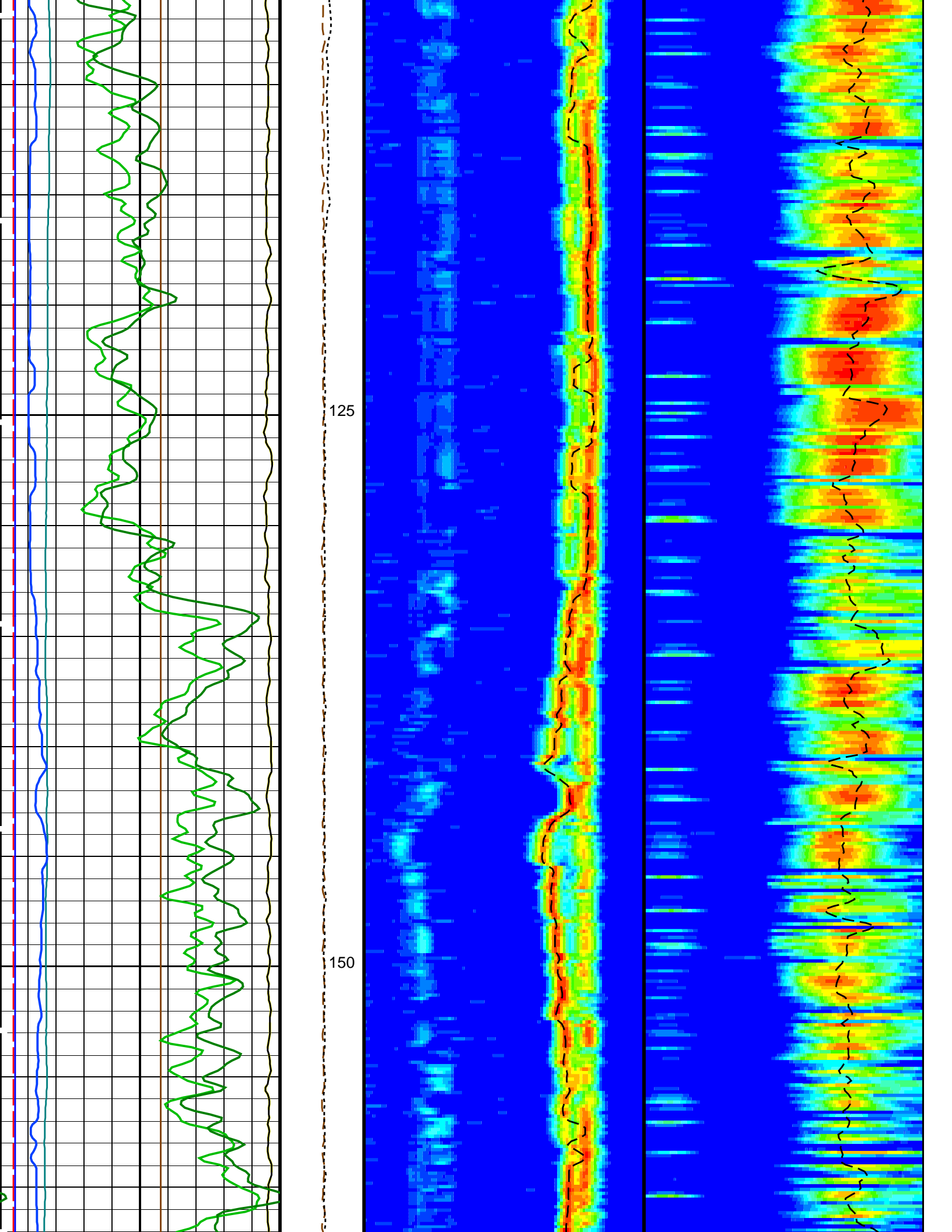
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Gamma Ray (GR_EDTC)		
0	(GAPI)	100
Poisson's Ratio (PR)		
0	(----)	0.5
Sonde Deviation (SDEVM)		
0	(DEG)	10
Poisson's Ratio (PR)		
0	(----)	0.5

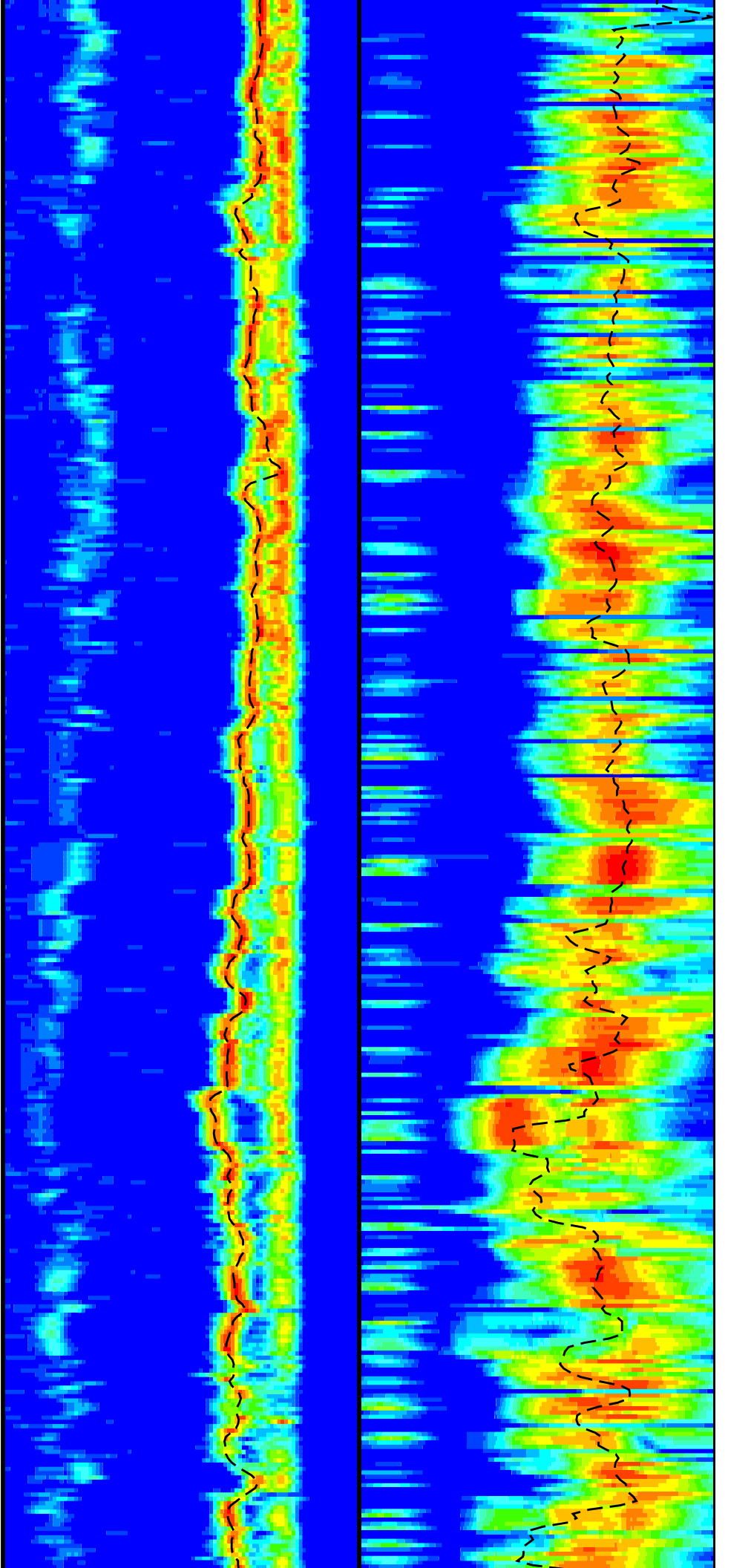
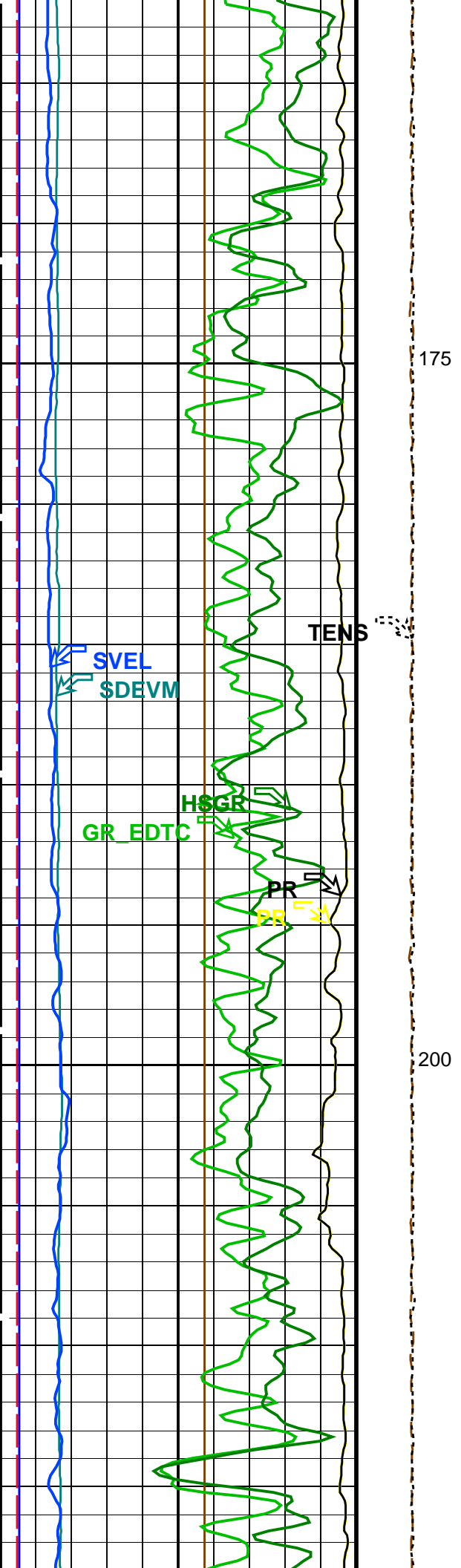
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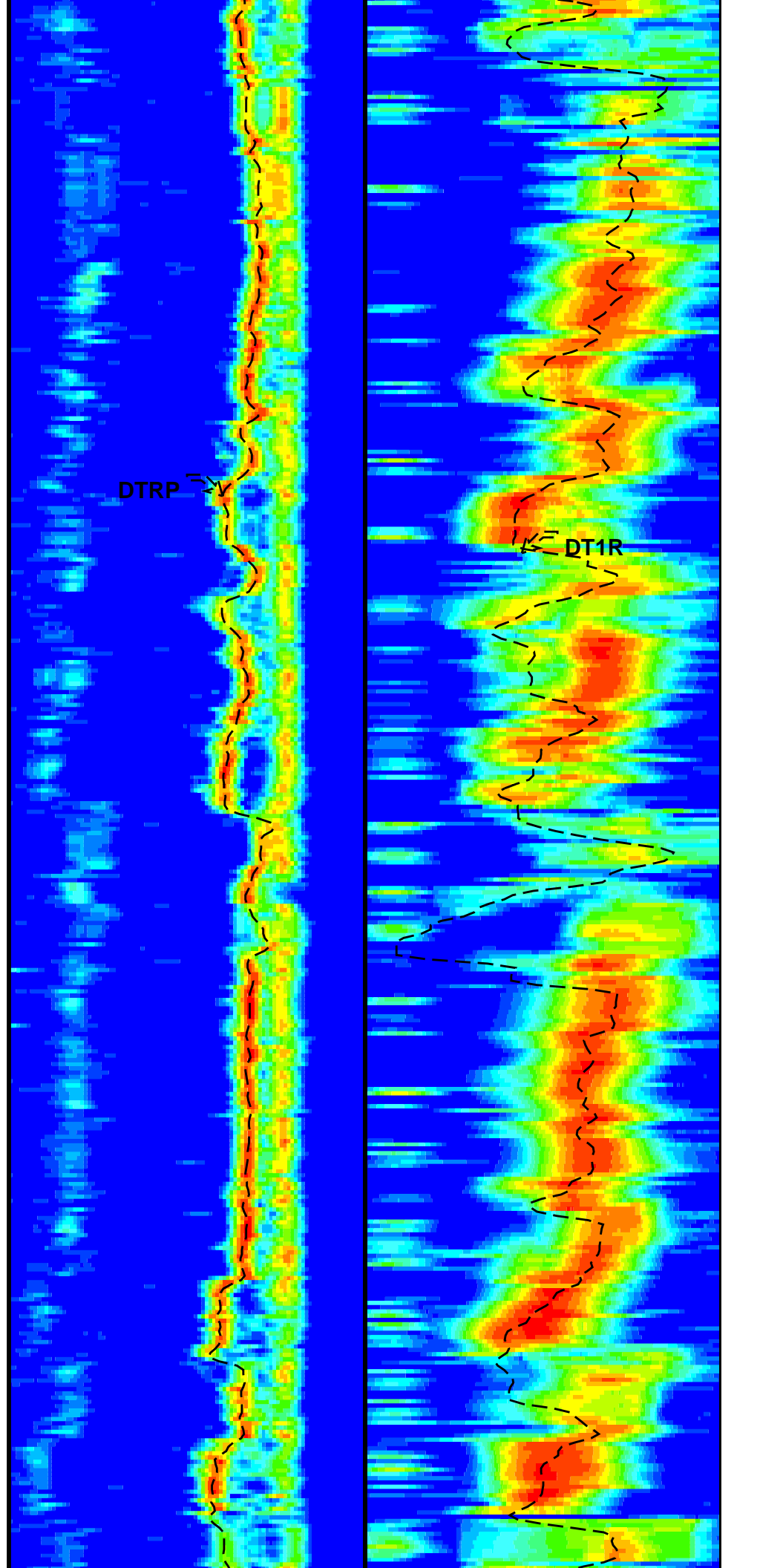
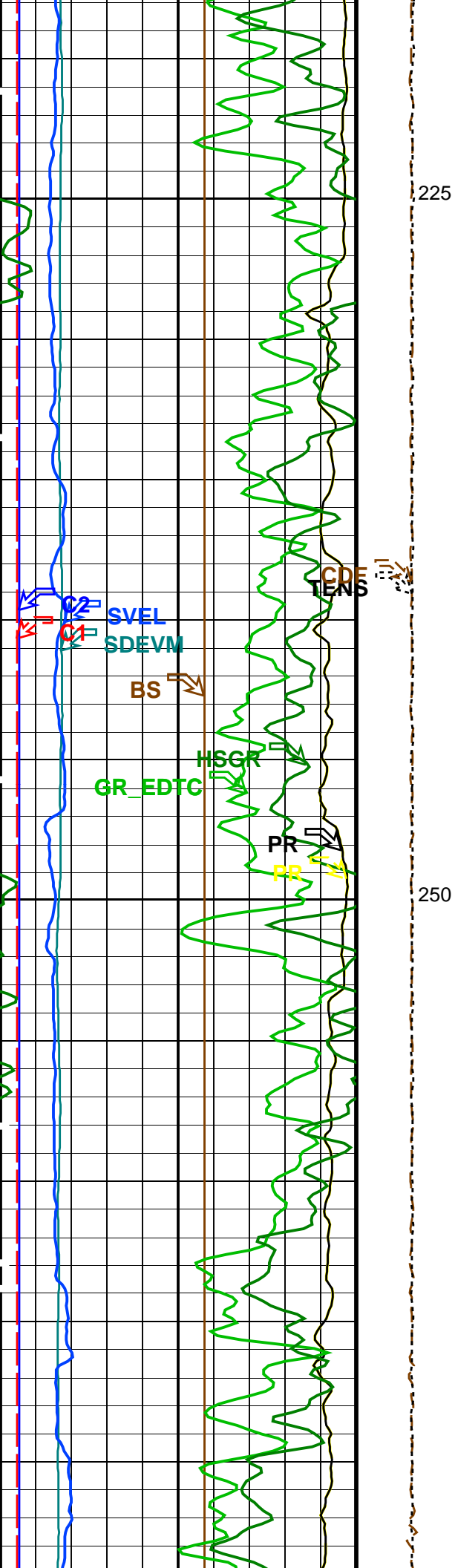


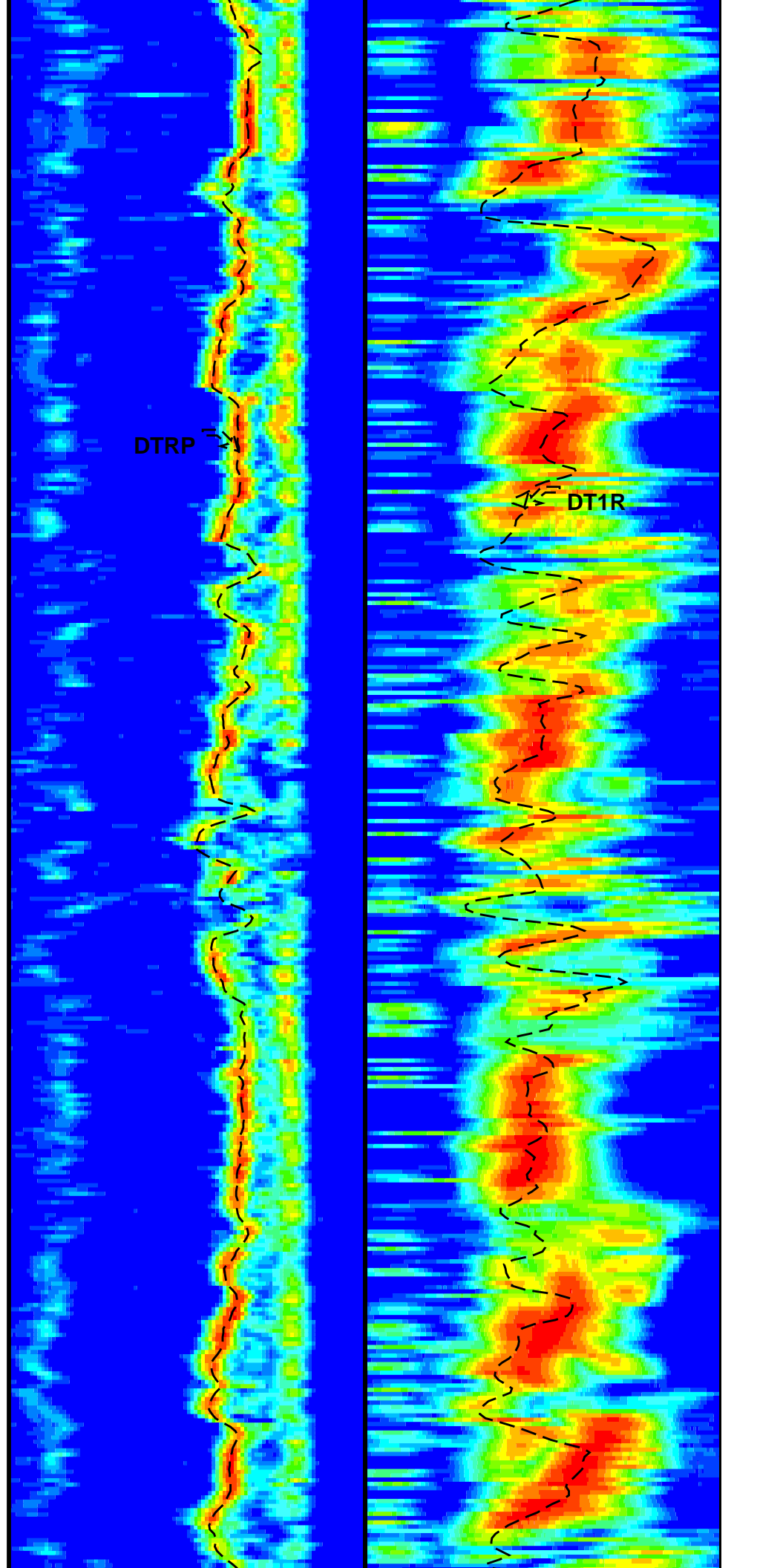
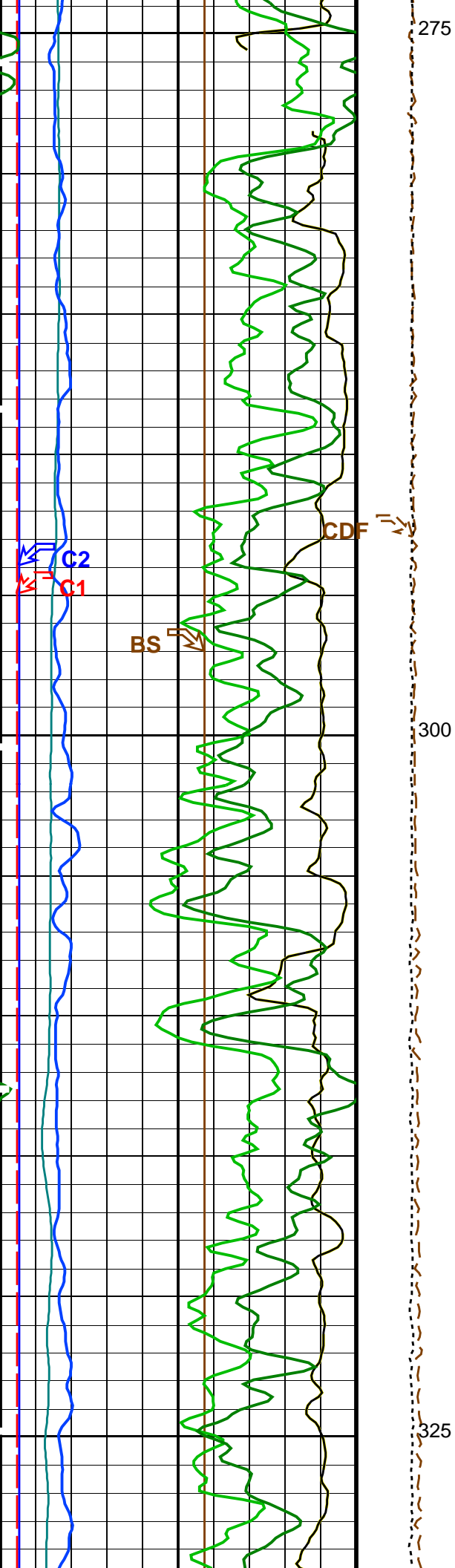


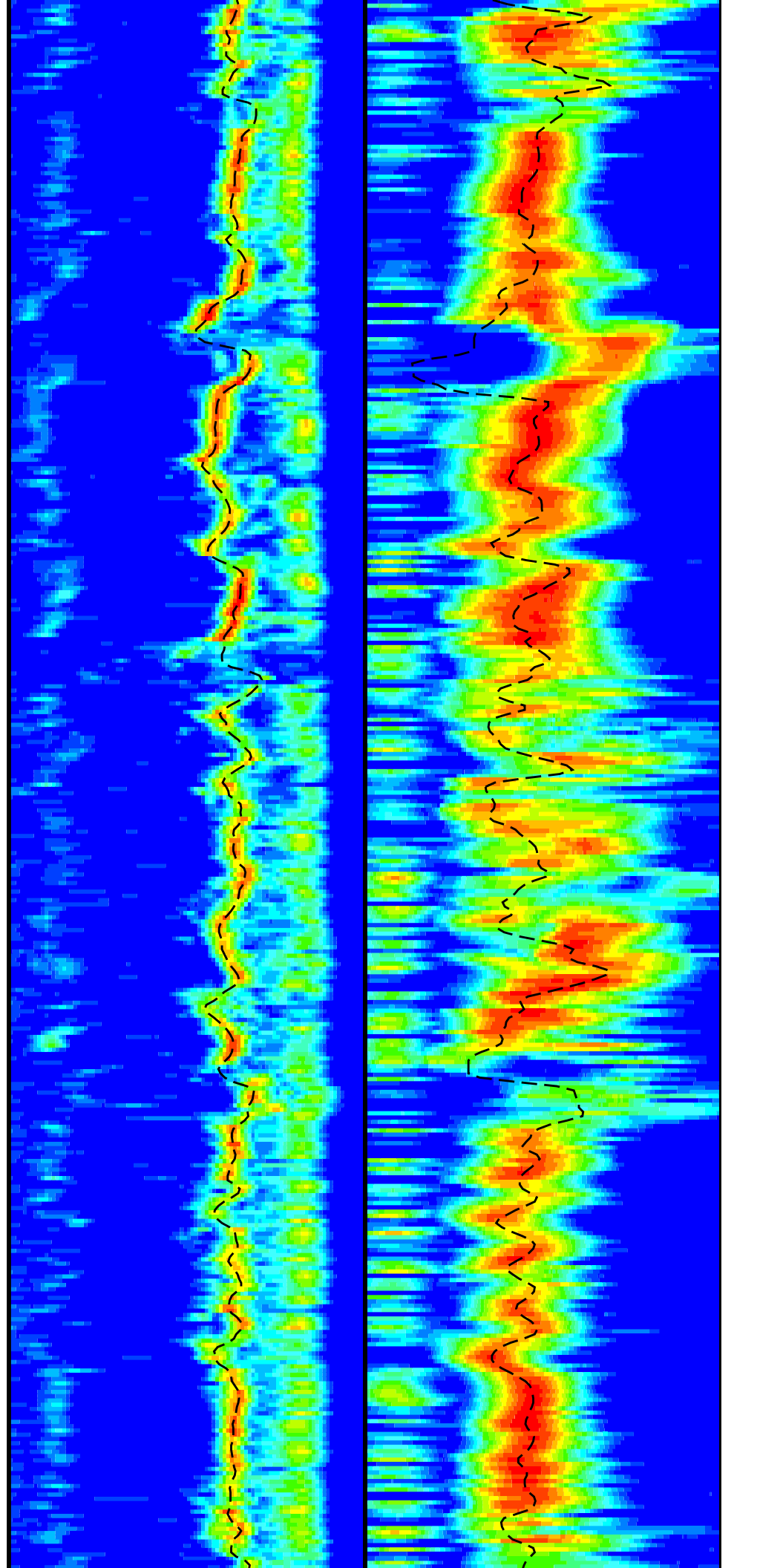
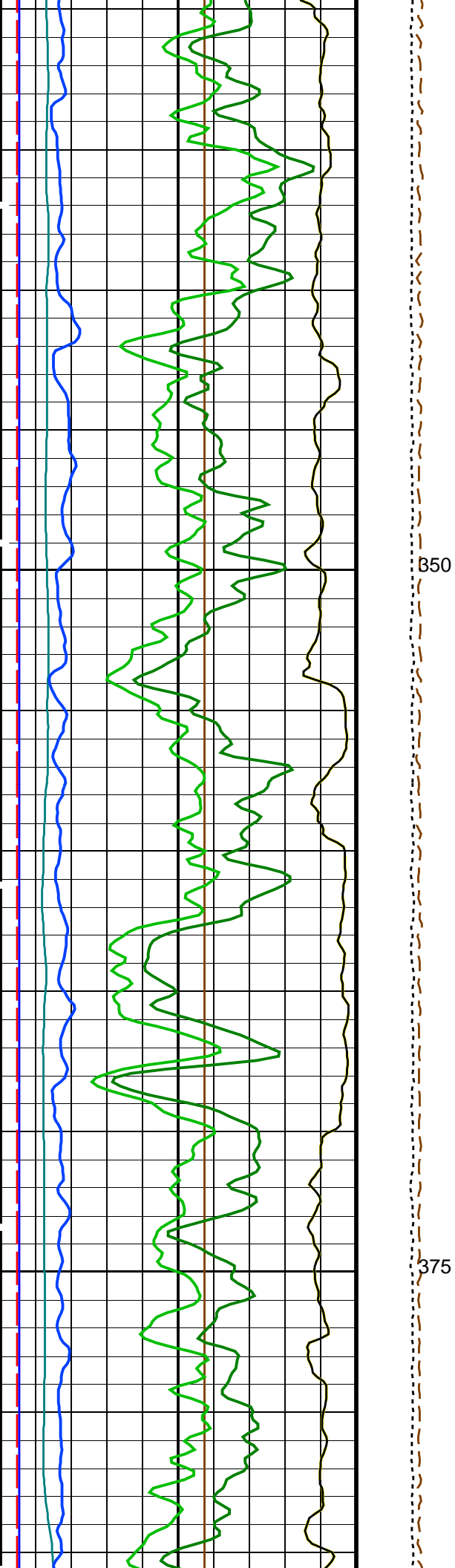


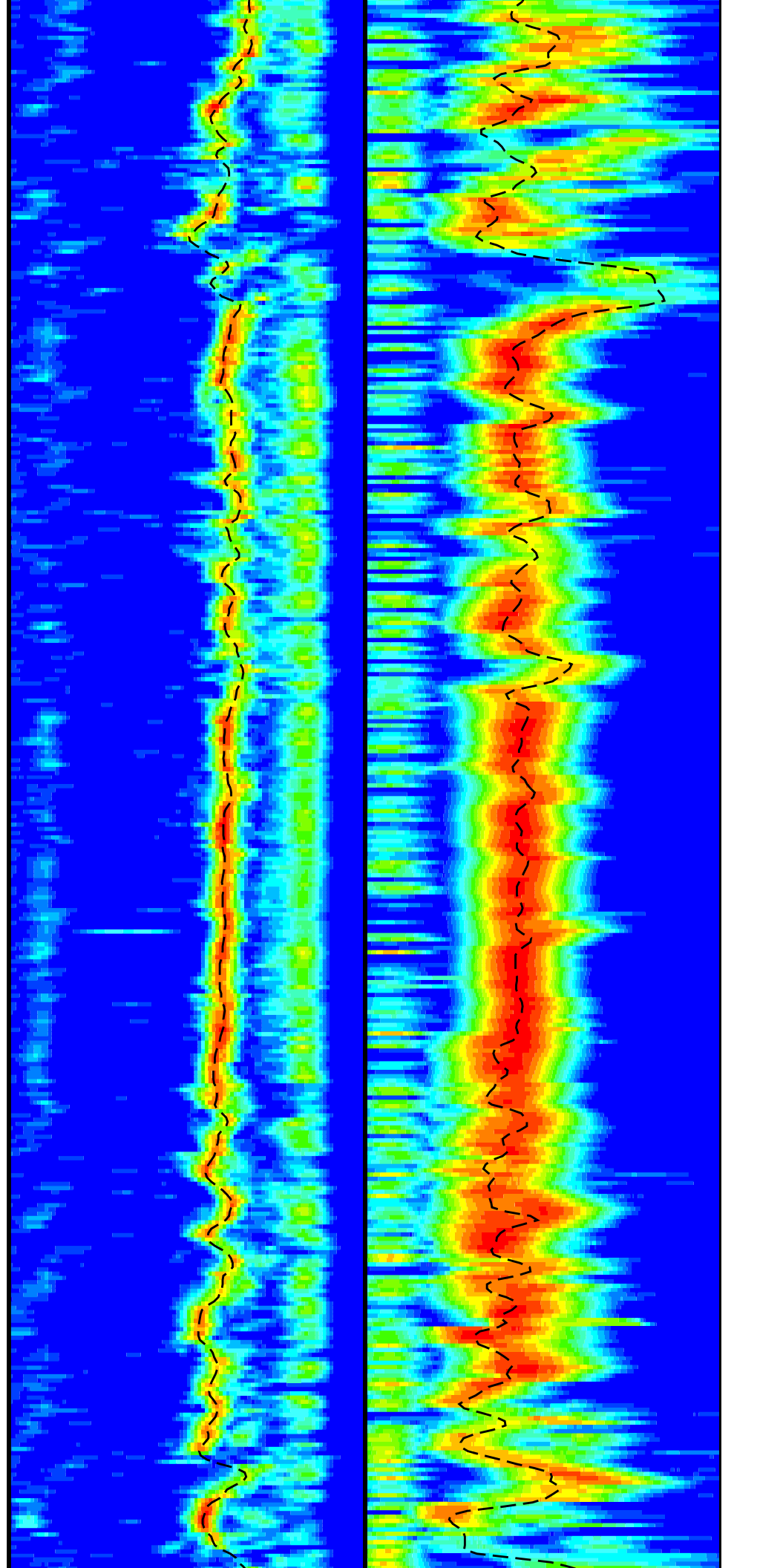
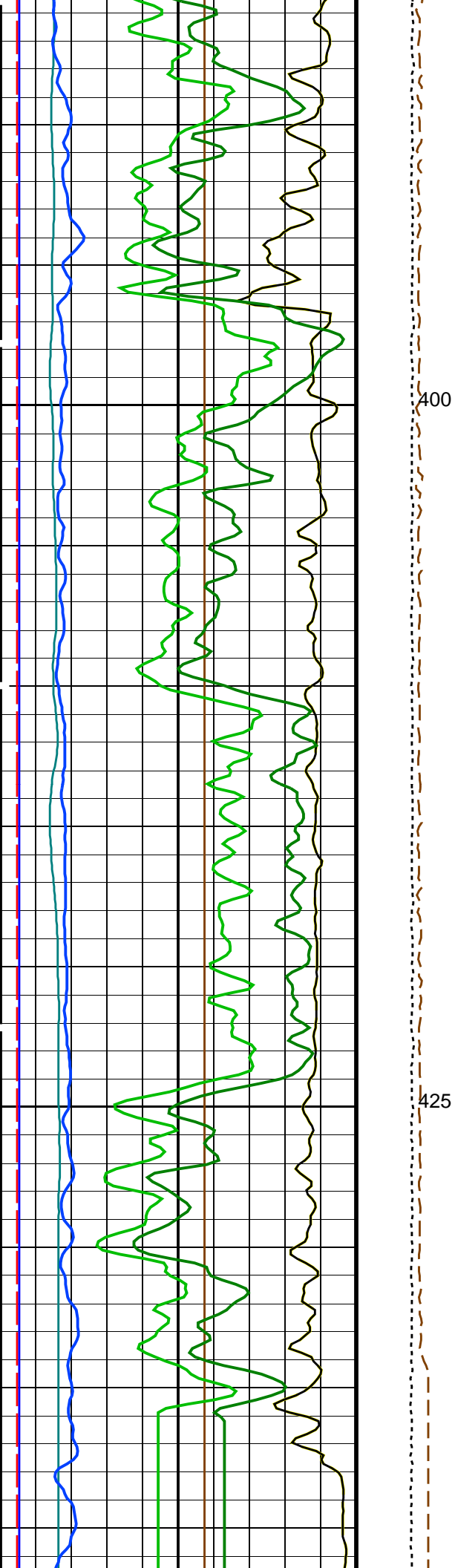


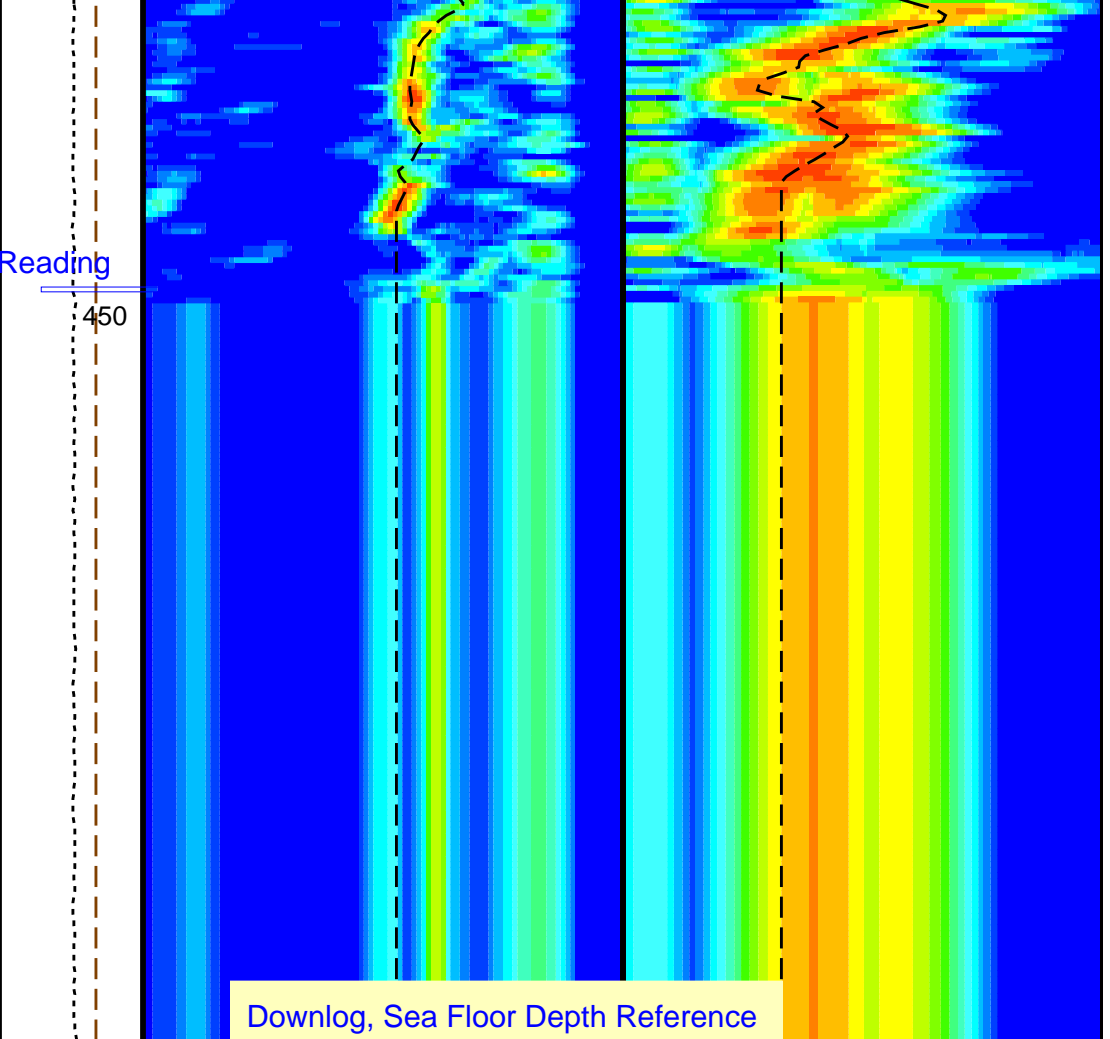
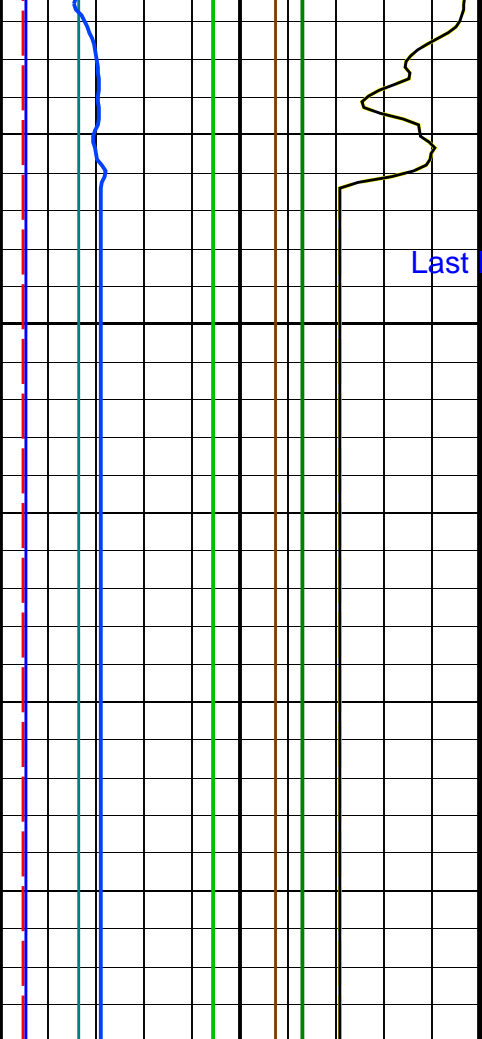












Bit Size (BS) (IN)	0	20
Caliper 1 (C1) (IN)	0	20
Caliper 2 (C2) (IN)	0	20
Poisson's Ratio (PR) (-----)	0	0.5
Sonde Deviation (SDEV) (DEG)	0	10
Poisson's Ratio (PR) (-----)	0	0.5
Gamma Ray (GR_EDTC) (GAPI)	0	100
Sonic Velocity (SVEL) (M/S)	1000	6000
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	0	100

Tension (TENS) (LBF)	10000	0
Calibrated Downhole Force (CDF) (LBF)	3000	0

Delta-T Comp / RA - P & S (DTRP) (US/F)	40	240
Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)	75	1200
Delta-T Shear / RA - P & S (DTRS) (US/F)	40	240
Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	75	1200
Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)	40	240

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	-0.62043	DEG
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	120	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	210	US/F
DDE1	Digitizing Delay 1	0	US
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1200	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DTF	Delta-T Fluid	195	US/F
DTSS	Shear Delta-T Source for DTSM Channel	UPPER_DIPOLE	
DWC1	Digitizer Word Count 1	512	
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
GCSE	Generalized Caliper Selection	BS	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
LTXG	Lower Dipole Transmitter Geometry	156	IN
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI1	Number Waveform Items 1	8	
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
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN	
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	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B.3-1.5K	
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
SLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	75	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	1200	US/F
SUL1	STC Slowness Upper Limit – Lower Dipole	1200	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD1	STC Slowness Width – Lower Dipole	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF1	STC Time for Baseline Fill – Lower Dipole	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL1	STC Time Lower Limit – Lower Dipole	600	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST1	STC Time Step – Lower Dipole	200	US

TST4	STC Time Step - Monopole P&S	50	US
TUL1	STC Time Upper Limit - Lower Dipole	20440	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
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	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00265981	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	BARI	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.953116	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.961581	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
System and Miscellaneous			
BS	Bit Size	11.438	IN
DFD	Drilling Fluid Density	1.21	G/C3
DO	Depth Offset for Playback	-3646.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_LOWER_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 24-Apr-2015 20:13

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_049LUP	PRODUCER	24-Apr-2015 20:12	4115.0 M	3595.9 M
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Output DLIS Files

DEFAULT	FMS_DSI_NGS_050PUP	FN:44	PRODUCER	24-Apr-2015 20:13
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Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner - B (Slim) Wellsite Calibration - Caliper Calibration							
Before: 12-Apr-2015 20:34							
Caliper 1 Zero Measurement	11.90	N/A	12.64	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	11.90	N/A	12.62	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.19	N/A	15.56	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.19	N/A	15.54	N/A	N/A	N/A	IN

Micro Electrical Scanner - B (Slim) Wellsite Calibration - CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY

Before: 17-Apr-2015 15:37

TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
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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: 17-Apr-2015 15:37

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: 29-Mar-2015 13:32 Before: 11-Apr-2015 2:56 After: 30-Mar-2015 8:02

Na 511 Peak Loc	40.00	38.70	38.78	38.69	-0.09856	1.000	
Na 511 Peak Res	15.50	17.69	15.73	17.49	1.764	2.000	%
High Voltage	1150	1236	1230	1232	2.260	N/A	V
Na 1785 Peak Loc	142.6	140.4	139.4	140.2	0.7782	7.000	
Na 1785 Peak Res	8.500	9.516	10.20	9.362	-0.8329	2.000	%
Temperature	15.50	37.95	37.13	37.61	0.4763	N/A	DEGC
Na Count Rate	45.00	21.35	20.83	21.14	0.3081	8.000	CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: 29-Mar-2015 13:32 Before: 11-Apr-2015 2:56 After: 30-Mar-2015 8:02

Na 511 Peak Loc	40.00	39.76	39.51	39.65	0.1403	1.000	
Na 511 Peak Res	15.50	17.06	16.29	17.05	0.7659	2.000	%
High Voltage	1150	1116	1110	1113	2.464	N/A	V
Na 1785 Peak Loc	142.6	143.1	141.9	142.6	0.6722	7.000	
Na 1785 Peak Res	8.500	8.404	8.844	9.434	0.5905	2.000	%
Temperature	15.50	37.73	37.05	36.91	-0.1431	N/A	DEGC
Na Count Rate	45.00	21.25	20.76	21.09	0.3293	8.000	CPS

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

Master: 29-Mar-2015 13:32 Before: 11-Apr-2015 2:56 After: 30-Mar-2015 8:02

Coincidence Count Rate Ratio	1.000	1.000	0.9996	1.002	0.002439	0.05000	
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Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration

Master: 29-Mar-2015 13:28

Na 511 Peak Set Point	40.00	40.00	--	--	--	--	
Th Peak Loc	209.6	211.8	--	--	--	--	
Th Peak Res	7.000	7.979	--	--	--	--	%
Background Count Rate	142.5	27.76	--	--	--	--	CPS
Gain Ratio	1.000	1.041	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration

Master: 29-Mar-2015 13:28

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	211.2	--	--	--	--	
Th Peak Res	7.000	7.951	--	--	--	--	%
Background Count Rate	142.5	26.71	--	--	--	--	CPS
Gain Ratio	1.000	1.010	--	--	--	--	

Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration

Before: 17-Apr-2015 7:18

EDTC Z-Axis Acceleration	9.810	N/A	9.750	N/A	N/A	N/A	M/S2
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Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration

Before: 11-Apr-2015 3:47 After: 30-Mar-2015 7:59

Gamma Ray (Jig – Bkg)	150.3	N/A	150.3	154.6	4.255	13.67	GAPI
Gamma Ray (Calibrated)	164.0	N/A	164.0	168.6	4.642	15.00	GAPI

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	770
MEST Preamplifier Cartridge – AB	MEPC – AB	806
GPIT Cartridge – AC	GPIC – AC	719
MEST Acquisition Cartridge – A	MEAC – A	804

Auxiliary Equipment:

MEST-B Preamplifier Cartridge Housing	MEPH – A	701
MEST Acquisition Cartridge Housing (Slim)	MEAH – B	701

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:

Primary Equipment: HNGC Cartridge	HNGC - B	439
Auxiliary Equipment: HNGC Housing	HNGH - A	380

Hostile Natural Gamma Ray Sonde / Equipment Identification		
Primary Equipment: HNGS Sonde	HNGS - BA	177
Auxiliary Equipment: HNGS Sonde Housing Gamma Source Radioactive	HNSH - BA GSR - U	174 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		38.70	Master		17.69	Master		1236	
Before		38.78	Before		15.73	Before		1230	
After		38.69	After		17.49	After		1232	
	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		140.4	Master		9.516	Master		37.95	
Before		139.4	Before		10.20	Before		37.13	
After		140.2	After		9.362	After		37.61	
	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		21.35							
Before		20.83							
After		21.14							
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: 29-Mar-2015 13:32			Before: 11-Apr-2015 2:56			After: 30-Mar-2015 8:02			

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		39.76	Master		17.06	Master		1116	
Before		39.51	Before		16.29	Before		1110	
After		39.65	After		17.05	After		1113	
	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		143.1	Master		8.404	Master		37.73	
Before		141.9	Before		8.844	Before		37.05	
After		142.6	After		9.434	After		36.91	
	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		21.25							
Before		20.76							
After		21.09							
	10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)						
Master: 29-Mar-2015 13:32			Before: 11-Apr-2015 2:56			After: 30-Mar-2015 8:02			

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		1.000
Before		0.9996
After		1.002
	0.9500 (Minimum)	1.050 (Maximum)
Master: 29-Mar-2015 13:32		
Before: 11-Apr-2015 2:56		
After: 30-Mar-2015 8:02		

Hostile Natural Gamma Ray Sonde Master Calibration								
Detector 1 Calibration								
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value
Master		40.00	Master		211.8	Master		7.979
	38.00 (Minimum)	43.00 (Maximum)		201.0 (Minimum)	218.3 (Maximum)		5.000 (Minimum)	9.000 (Maximum)
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master		27.76	Master		1.041			
	10.00 (Minimum)	265.0 (Maximum)		0.9400 (Minimum)	1.060 (Maximum)			
Master: 29-Mar-2015 13:28								

Hostile Natural Gamma Ray Sonde Master Calibration								
Detector 2 Calibration								
Phase	Na 511 Peak Set Point	Value	Phase	Th Peak Loc	Value	Phase	Th Peak Res %	Value
Master		41.00	Master		211.2	Master		7.951
	38.00 (Minimum)	43.00 (Maximum)		201.0 (Minimum)	218.3 (Maximum)		5.000 (Minimum)	9.000 (Maximum)
Phase	Background Count Rate CPS	Value	Phase	Gain Ratio	Value			
Master		26.71	Master		1.010			
	10.00 (Minimum)	265.0 (Maximum)		0.9400 (Minimum)	1.060 (Maximum)			
Master: 29-Mar-2015 13:28								

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)	10.01 (Maximum)
Before: 17-Apr-2015 7:18		

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		7.125	Before		150.3	Before		164.0
After		7.658	After		154.6	After		168.6
	0 (Minimum)	120.0 (Maximum)		136.7 (Minimum)	164.0 (Maximum)		149.0 (Minimum)	179.0 (Maximum)
Before: 11-Apr-2015 3:47			After: 30-Mar-2015 7:59					

Company: **Integrated Ocean Discovery Program**

Schlumberger

Well: **Expedition 355, Site U1456 C**

Field: **Arabian Sea Monsoon**

Rig: **JOIDES Resolution**

Ocean: **Indian**

Formation Micro Scanner (FMS)

Dipole Shear Sonic (DSI)

Dual Axis Caliper / Gamma Ray