



Company: International Ocean Discovery Program

Well: Expedition 376, Site U1530A

Field: Bothers Arc Flux

Rig: JOIDES Resolution Ocean: Pacific

Run 1

Run 2

Run

Hostile Natural Gamma Spectroscopy –HNGS

Formation Micro Scanner – FMS

Dipole Sonic –DSI, Mud Temperature

JOIDES Resolution

Bothers Arc Flux

34.86098 Deg South

Expedition 376, Site U1530A

International Ocean Discovery Program

LOCATION

34.86098 Deg South

179.05762 Deg East

Elev.: K.B. 0.00 m

G.L. –1606.00 m

D.F. 0.00 m

Permanent Datum: Sea Floor Elev.: –1606.00 m

Log Measured From: Rig Floor 1606.00 m above Perm. Datum

Drilling Measured From: Rig Floor

API Serial No.

Max. Hole Devi.
4 deg

Longitude
179.05762 Deg E

Latitude
34.86098 Deg S

Logging Date	19-Jun-2018
Run Number	1
Depth Driller	2059.1 m
Schlumberger Depth	2046 m
Bottom Log Interval	2046 m
Top Log Interval	1601 m
Casing Driller Size @ Depth	8.500 in @ 1673 m
Casing Schlumberger	1670 m
Bit Size	9.875 in
Type Fluid In Hole	sea water

Logging Date	
Run Number	
Depth Driller	
Schlumberger Depth	
Bottom Log Interval	
Top Log Interval	
Casing Driller Size @ Depth	@
Casing Schlumberger	
Bit Size	
Type Fluid In Hole	

MUD	Density	Viscosity	1.024 g/cm3	
	Fluid Loss	PH	7	
	Source Of Sample			
	RM @ Measured Temperature	@	@	
	RMF @ Measured Temperature	@	@	
	RMC @ Measured Temperature	@	@	
	Source RMF	RMC		
	RM @ MRT	RMF @ MRT	@ 41	@ 41
	Maximum Recorded Temperatures	41 degC	41	
	Circulation Stopped	Time	19-Jun-2018	13:30
	Logger On Bottom	Time	19-Jun-2018	17:30
	Unit Number	Location	627314	Larose, LA
	Recorded By	K. Swain		
	Witnessed By	C. Massiot, A. Reyes		

MUD	Density	Viscosity		
	Fluid Loss	PH		
	Source Of Sample			
	RM @ Measured Temperature	@	@	
	RMF @ Measured Temperature	@	@	
	RMC @ Measured Temperature	@	@	
	Source RMF	RMC		
	RM @ MRT	RMF @ MRT	@	@
	Maximum Recorded Temperatures			
	Circulation Stopped	Time		
	Logger On Bottom	Time		
	Unit Number	Location		
	Recorded By			
	Witnessed By			

DISCLAIMER

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

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

REMARKS: RUN NUMBER 1
 Exp 376, U1530A: EDTC and HNGC/LDSC are flasked in case of high temperature.
 Tools conveyed on wireline through drill pipe without sub sea riser.
 Chemraz and Kalrez seals/o-rings utilized on this toolstring.
 Wireline run: 7-46M18XS
 Active Heave Compensator utilized until re-entering drillpipe.
 HLDS tool listed in toolsketch only for software utilization for HNCC.
 Logging bit used for logging only.
 Drilled TD was:2059.1mbrf
 Drill pipe set at 1673mbrf
 MT head MTEM maximum 40.5 deg C.
Maximum reading thermometers not available.
 Caliper opened on both uplog passes.
 Caliper closed for downlog.
 Fixed cable wraps at 1835m and 1779m, these depths caliper was closed briefly.
 Closed caliper at 1697 to re-enter pipe due to pull.
 Pull inside of drill pipe related to upper centralizer at drill pipe interface.

REMARKS: RUN NUMBER 2

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

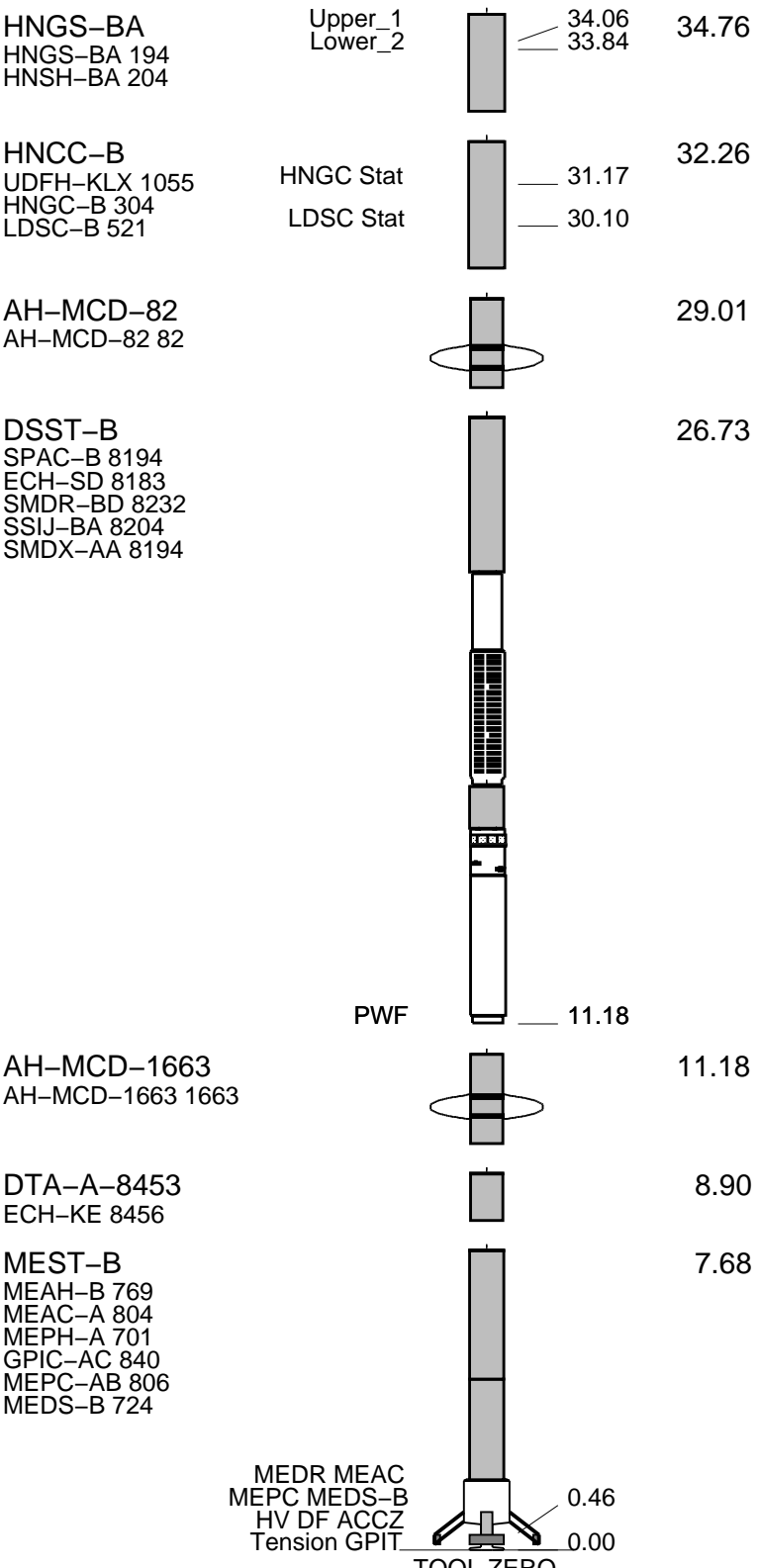
SURFACE EQUIPMENT

GSR-U 616008
 WITM (EDTS)-A 1

RUN 2

DOWNHOLE EQUIPMENT

LEH-MT-101  38.96
 LEH-MT-101 101 MDSB_EDTC
 EDTC-B Mud Tempe 36.74 38.00
 EDTH-UDFHKL 1091 Pauletto CTEM 35.86
 EDTC-B 8317 EFTB DIAG 35.67
 EDTG-A/B 8305 TelStatus
 EDTCB File 34.76



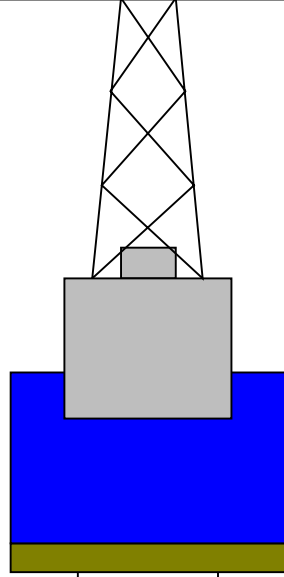
MAXIMUM STRING DIAMETER 3.75 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS

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

Kelly Bushing Elevation
Derrick Floor Elevation

Mean Sea Level

0
0
11



4.1



1606 4.1
1673 9.875
2059.1

Sea Floor

Drill Pipe

Total Depth Driller

Input DLIS Files

Flip_LDL_FMS_DSI_046LUP FN:1 20-Jun-2018 08:49 2048.4 M 1456.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_065PUP FN:82 PRODUCER 21-Jun-2018 21:20 2048.4 M 1456.2 M

OP System Version: 19C0-187

HLDS	19C0-187	MEST-B	19C0-187
DTA-A-8453	19C0-187	DSST-B	19C0-187
HNCC-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

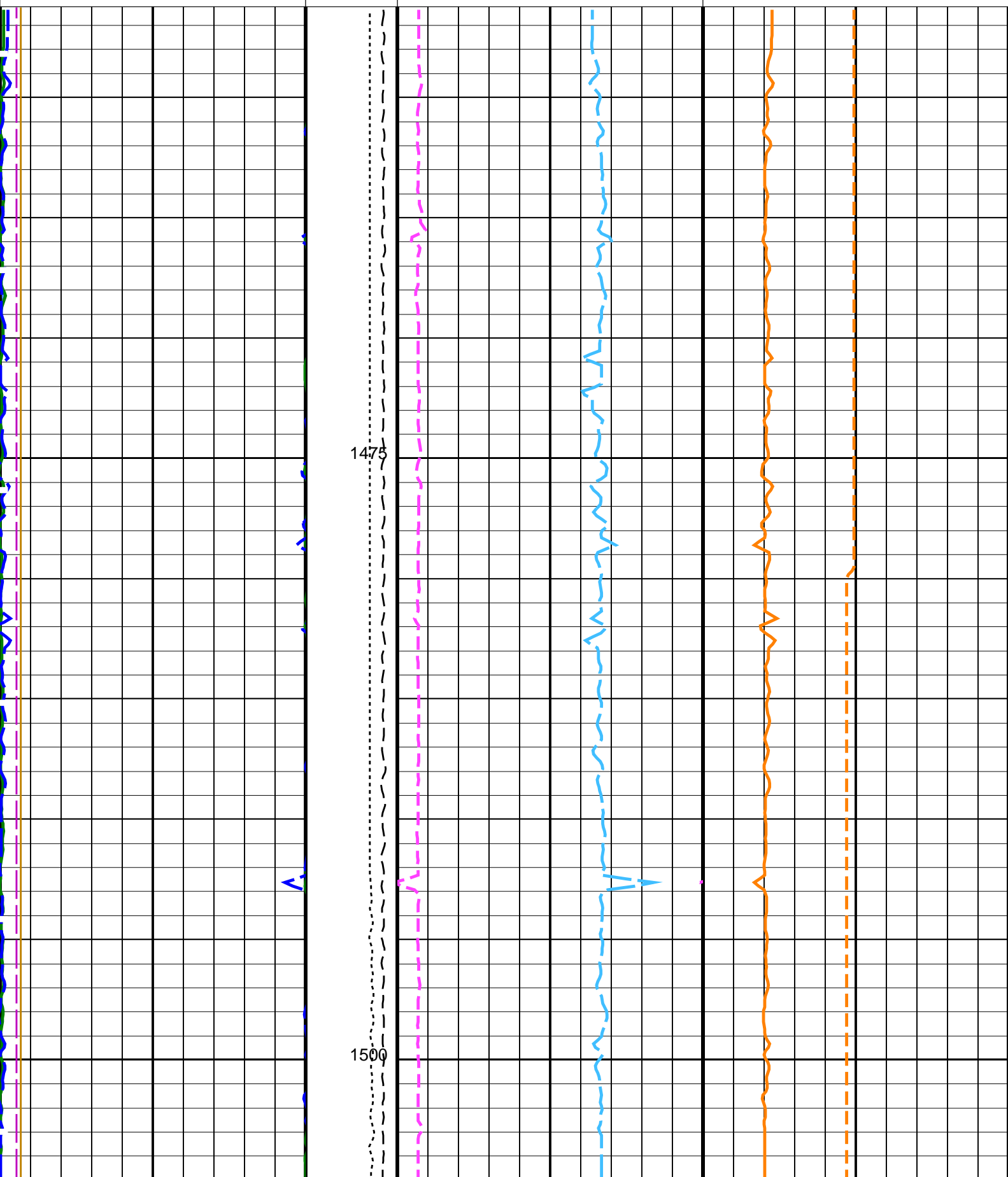
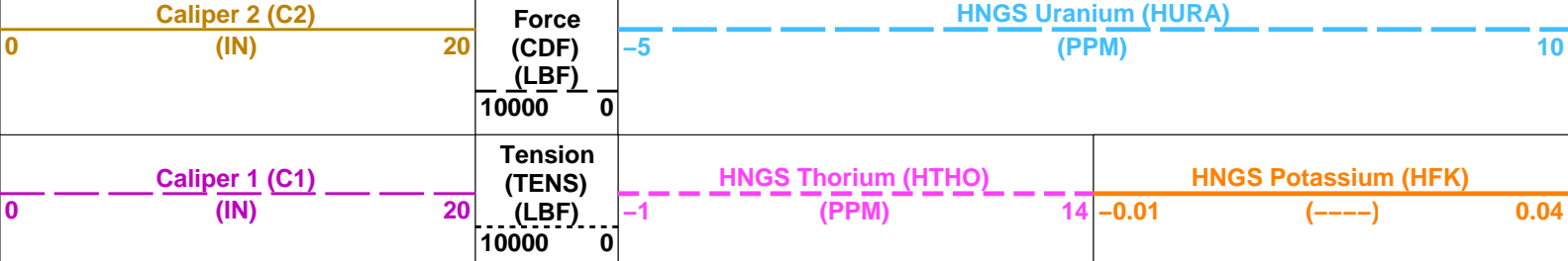
Area1
 From HCGR to HSGR

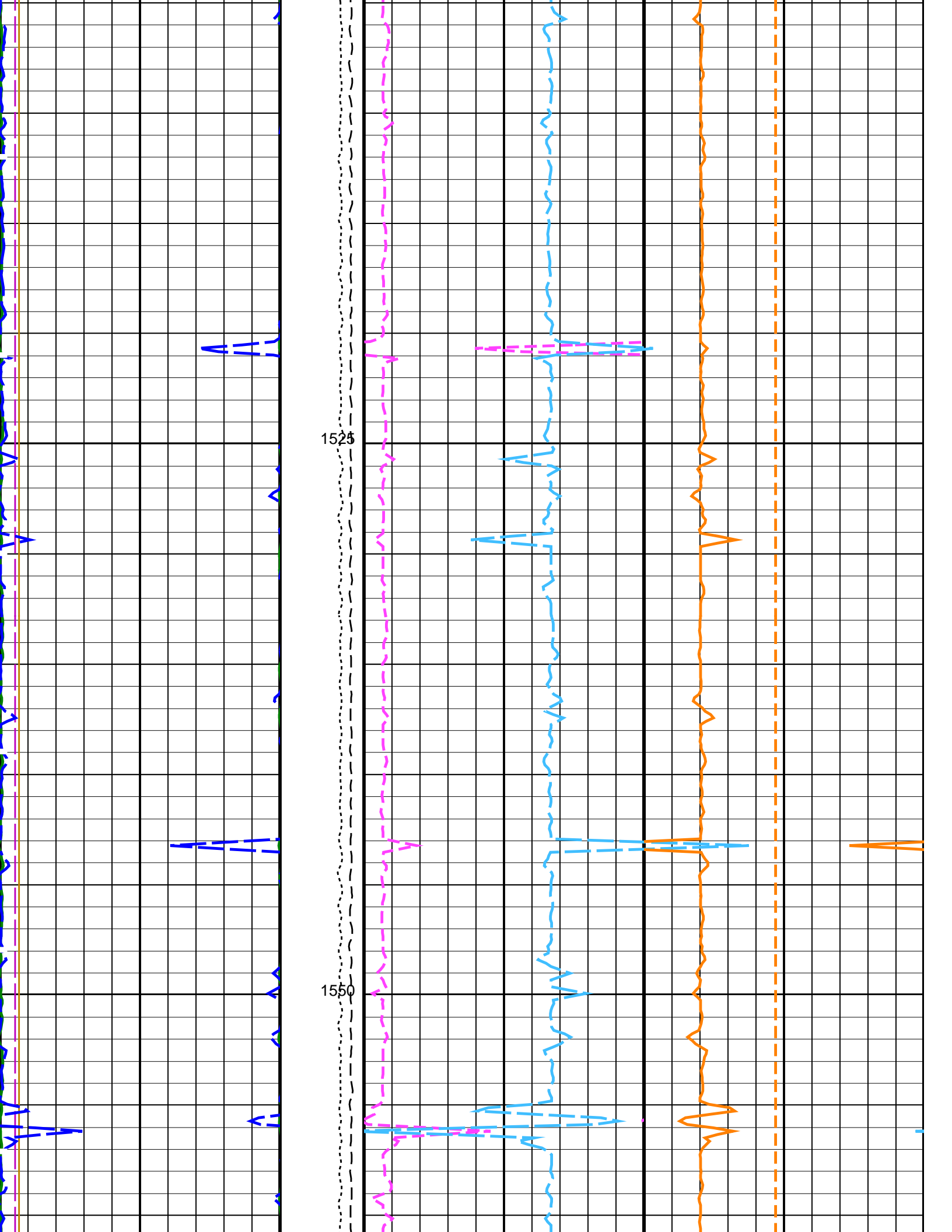
HNGS Computed Gamma Ray (HCGR)
 0 (GAPI) 100

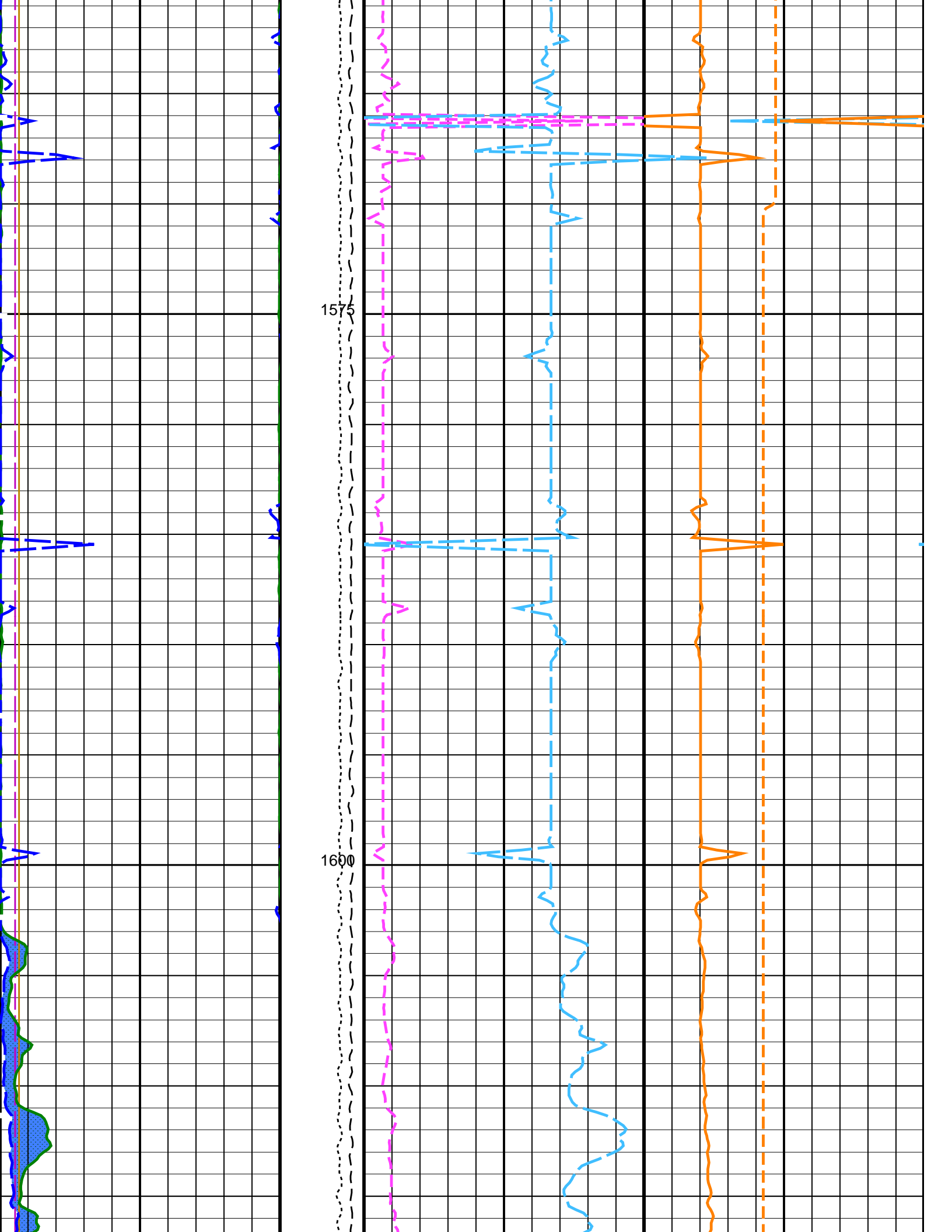
[Downlog](#)

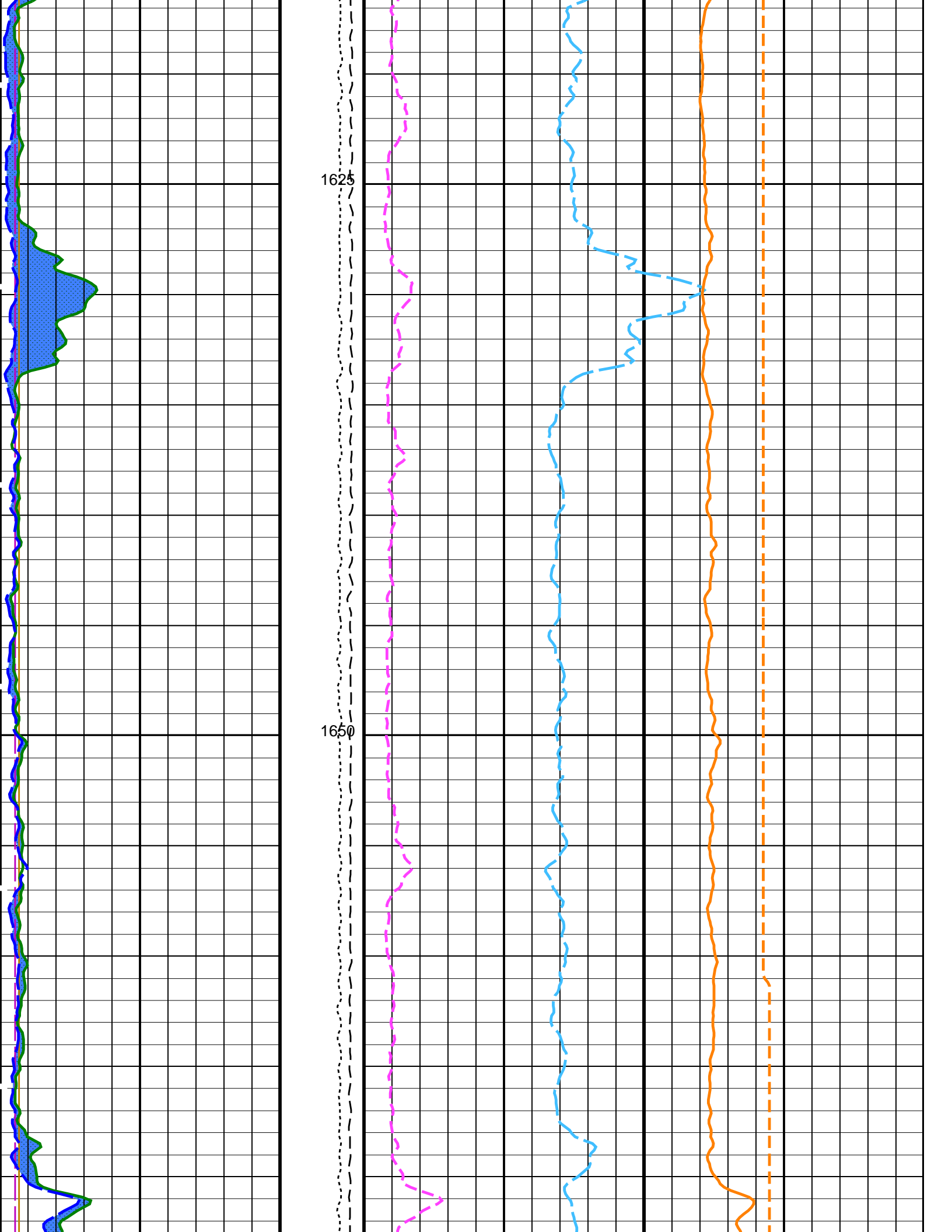
HNGS Borehole Potassium (HBHK)
 -0.05 (----) 0.05

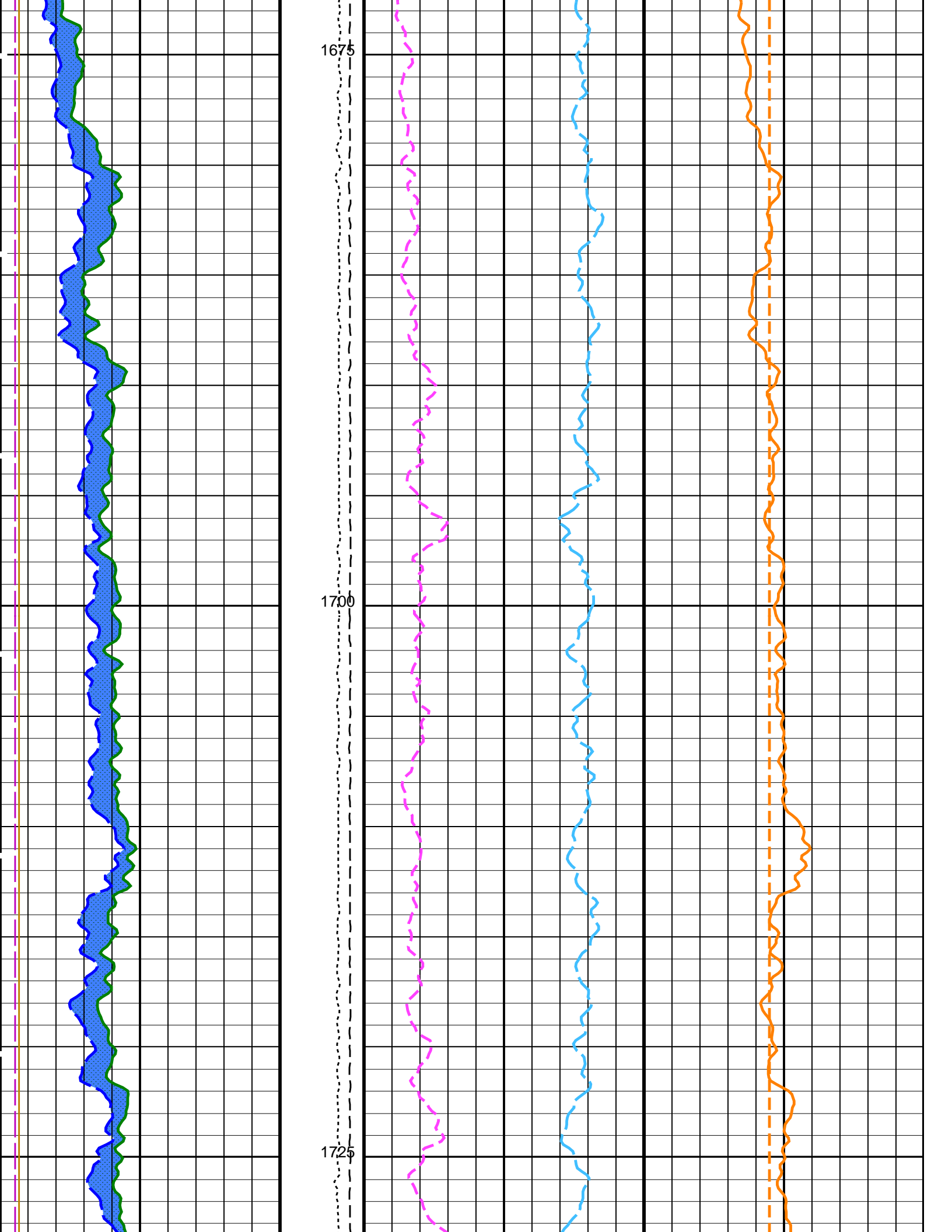
Calibrated Downhole

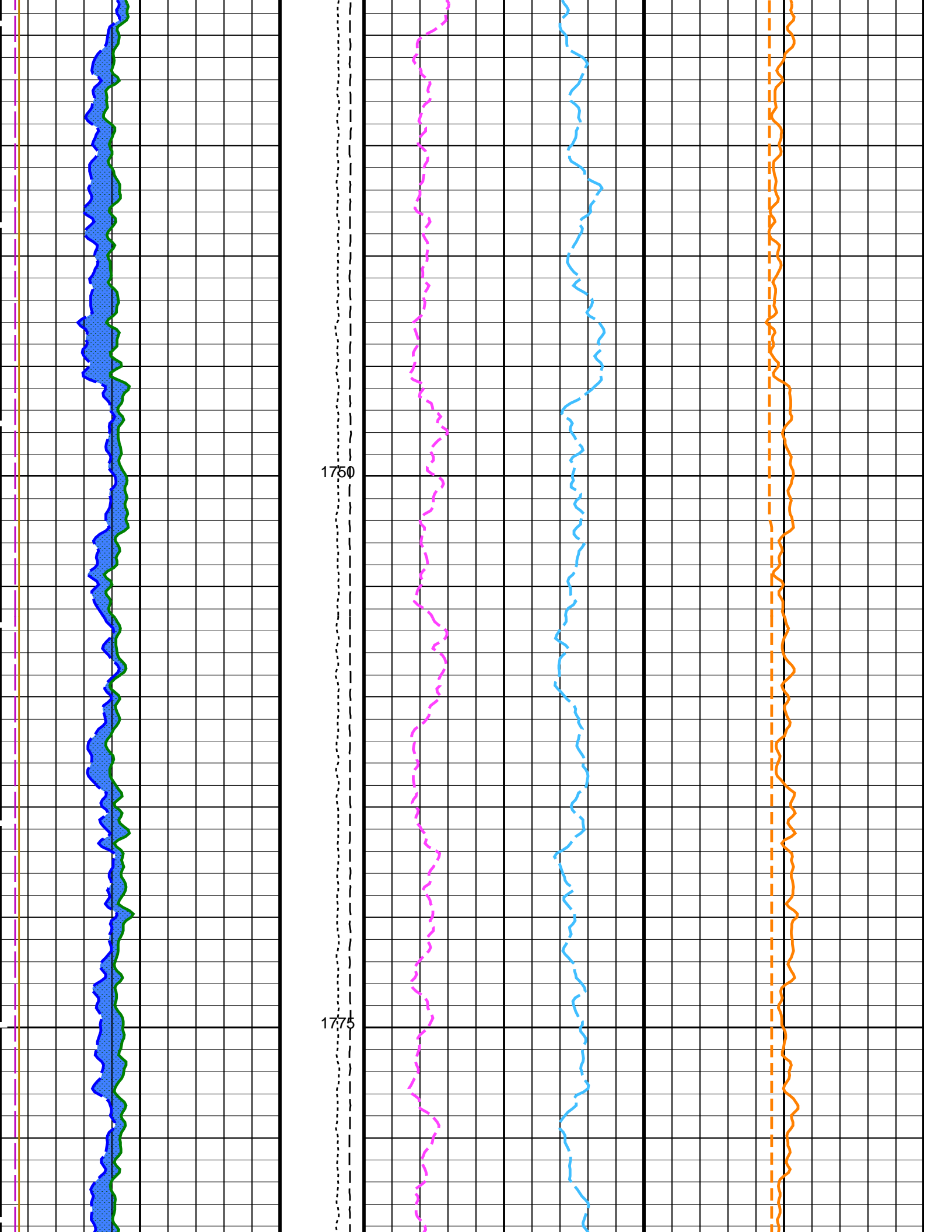


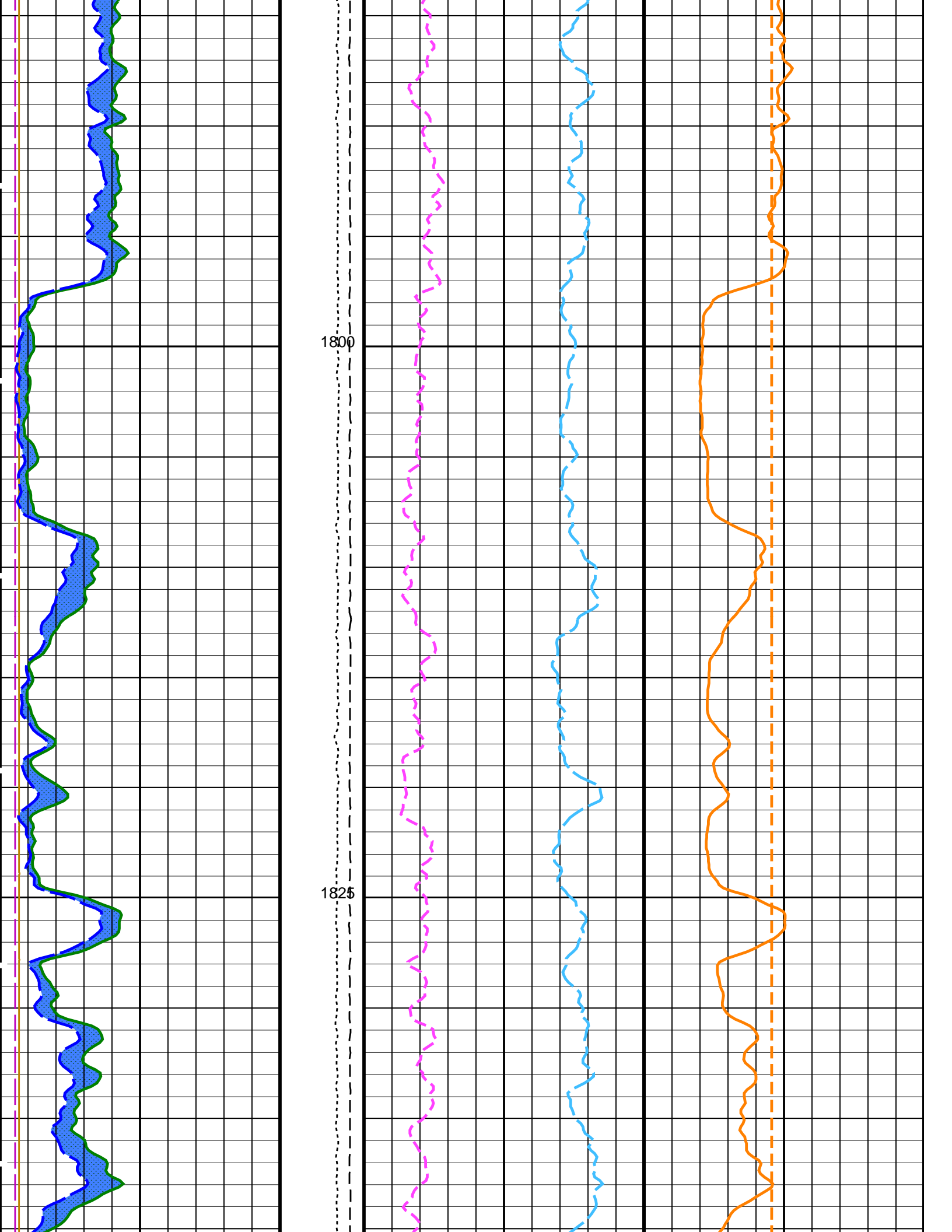


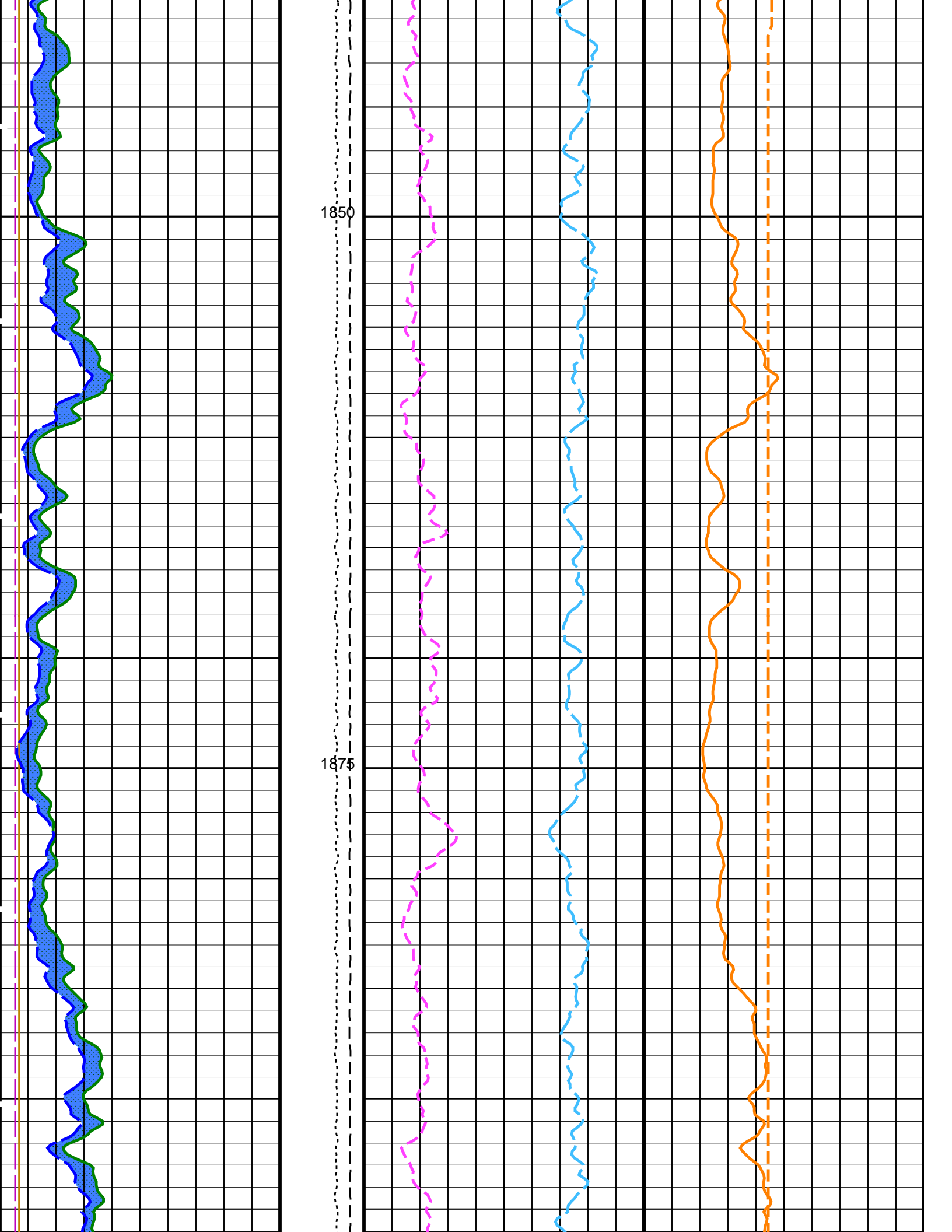


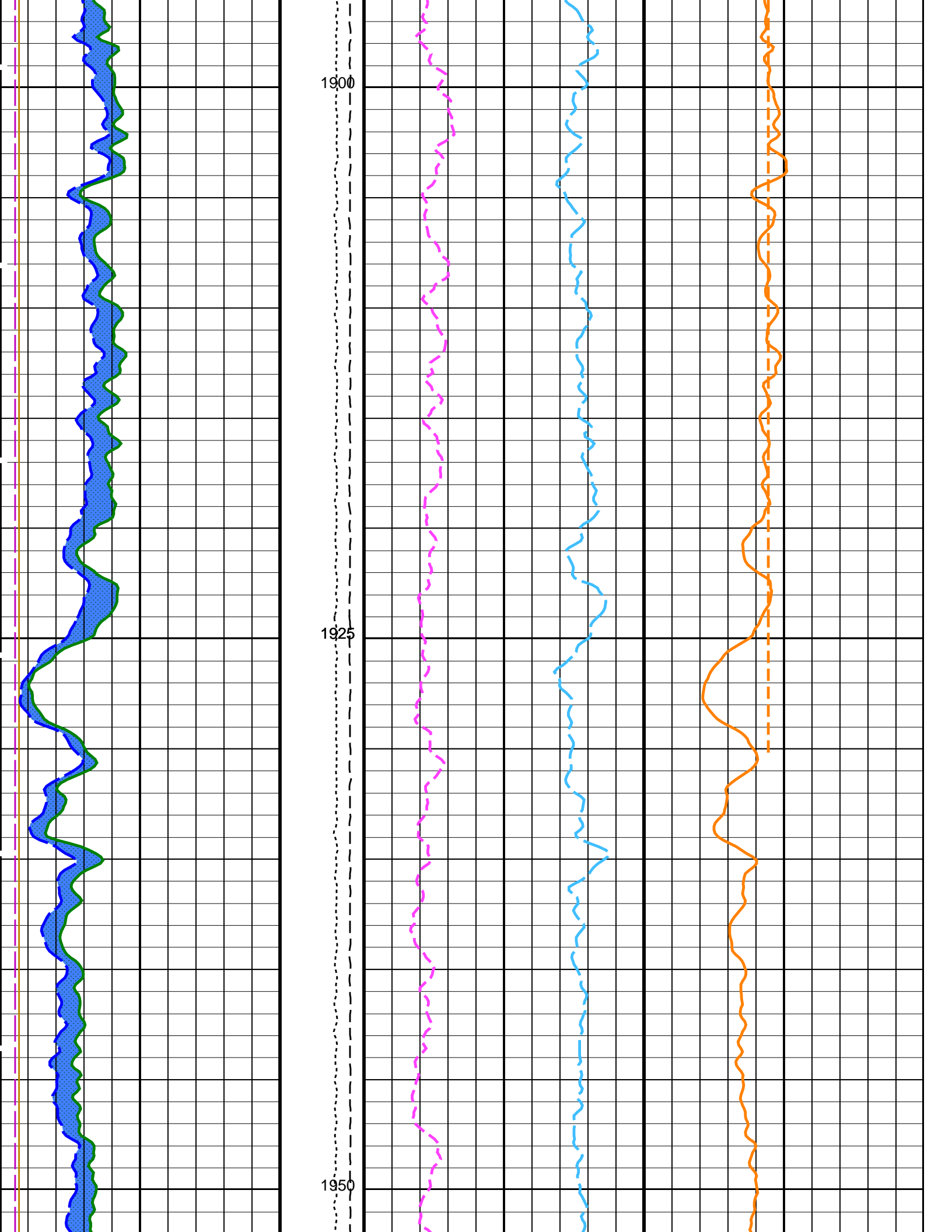


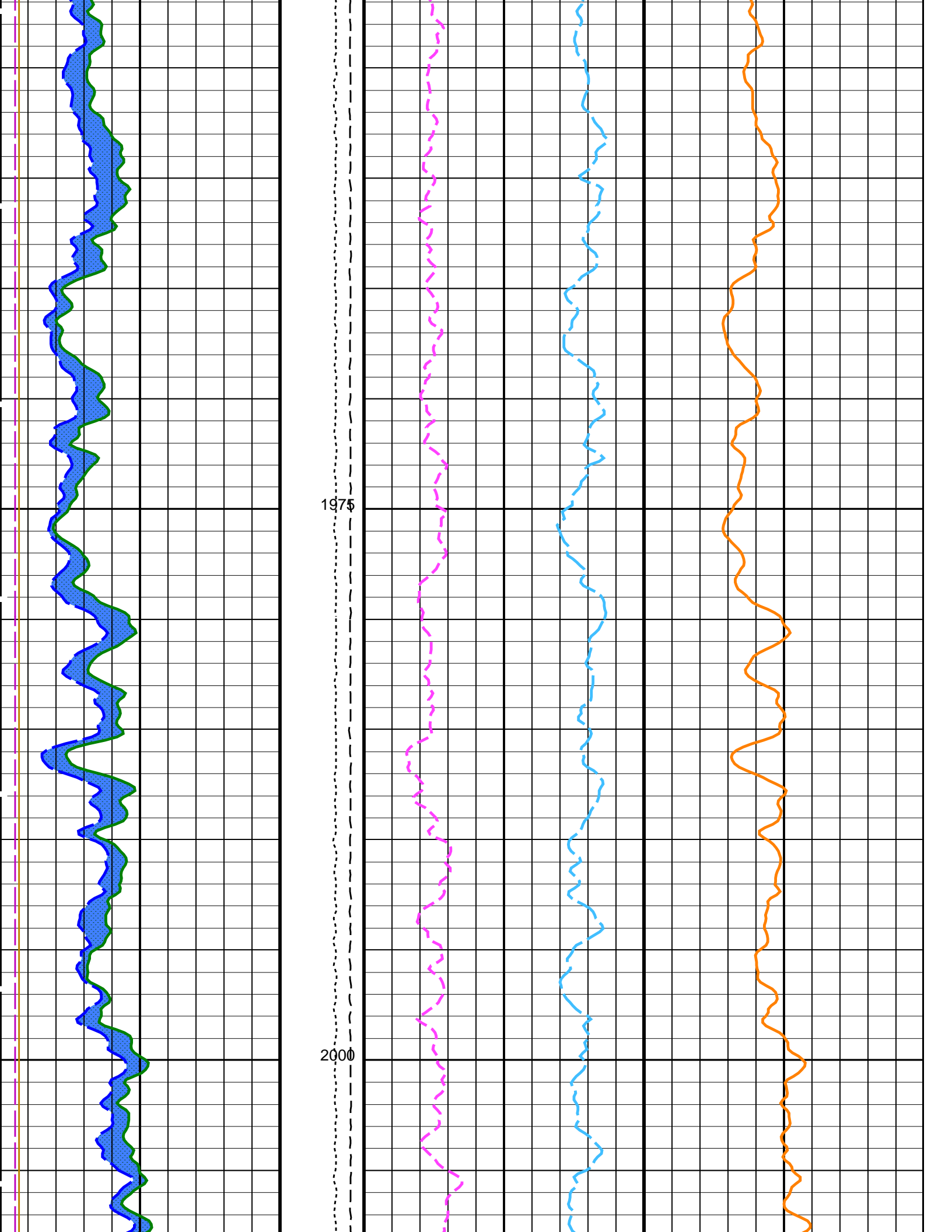


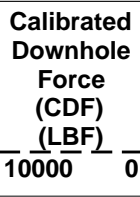
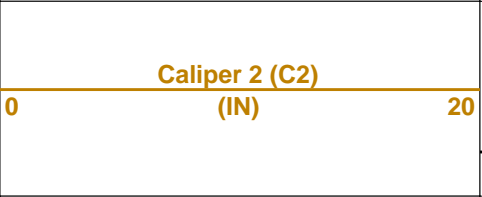
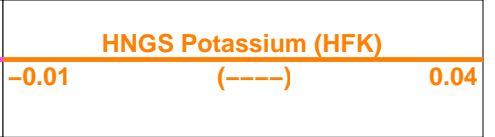
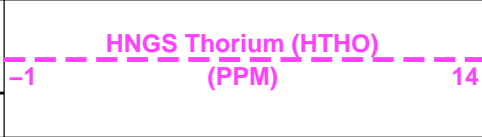
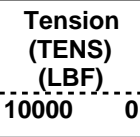
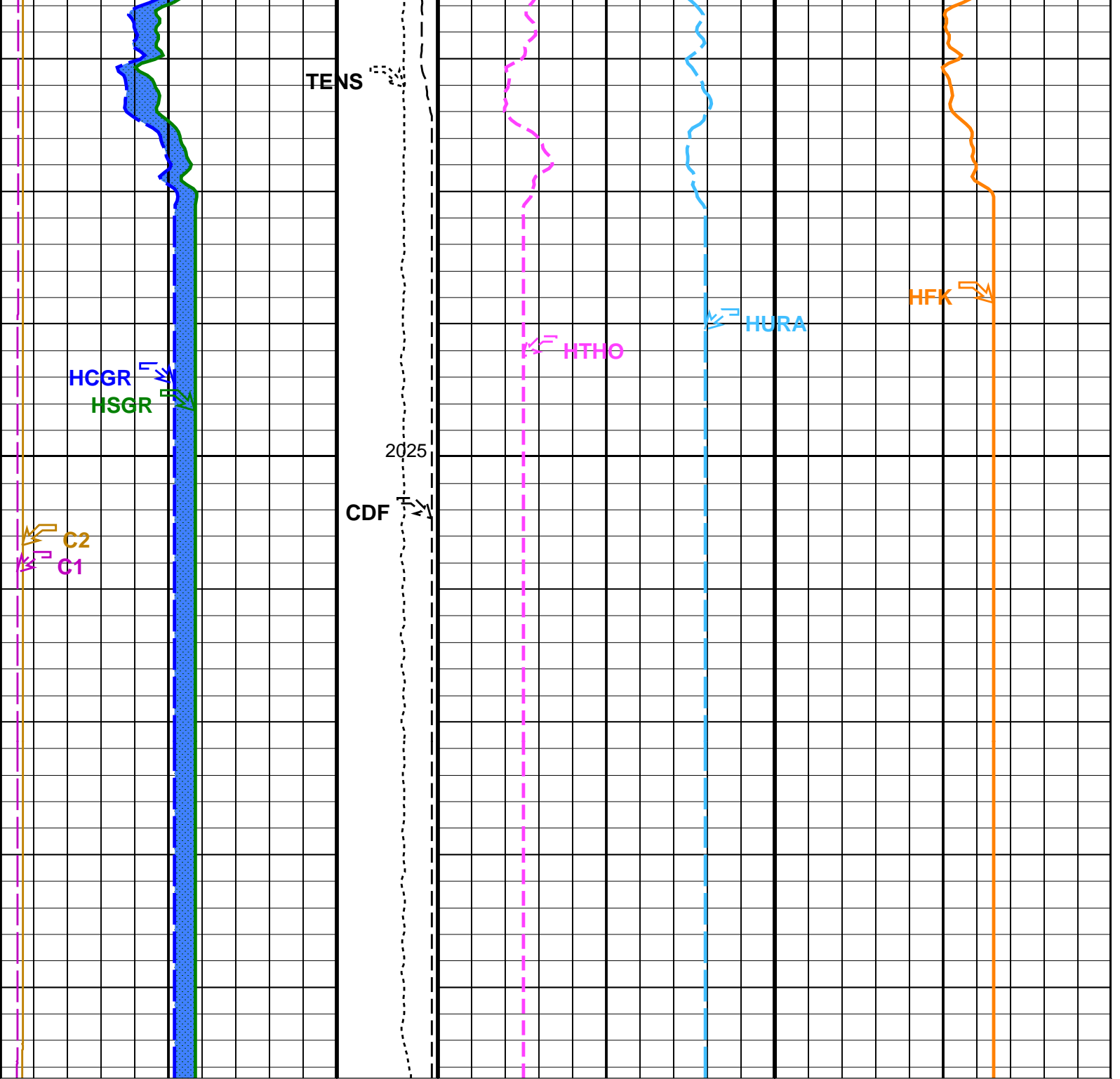












Area1
From HCGR to HSGR

Downlog

HNGS Spectroscopy Gamma Ray
(HSGR)

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BHS	DSST-B: Dipole Shear Imager - B		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	BS	
	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	
H2P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00461246	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.32869	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.600308	
	EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 21-Jun-2018 21:20

OP System Version: 19C0-187

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

Input DLIS Files

Flip_LDL_FMS_DSI_046LUP	FN:1	20-Jun-2018 08:49	2048.4 M	1456.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_065PUP	FN:82	PRODUCER	21-Jun-2018 21:20
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Input DLIS Files

Flip_LDL_FMS_DSI_046LUP	FN:1	20-Jun-2018 08:49	2048.4 M	1456.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_065PUP	FN:82	PRODUCER	21-Jun-2018 21:20	2048.4 M	1456.2 M
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OP System Version: 19C0-187

HLDS	19C0-187	MEST-B	19C0-187
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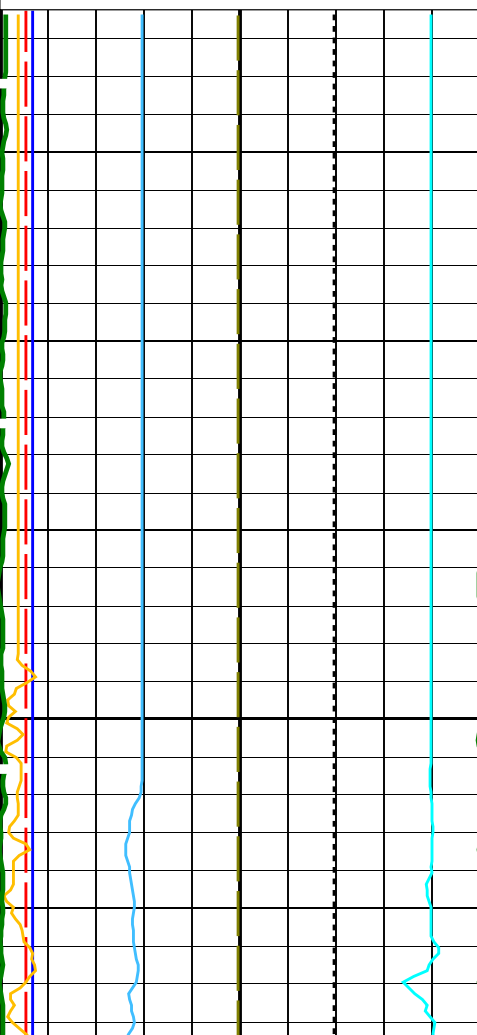
PIP SUMMARY

Time Mark Every 60 S

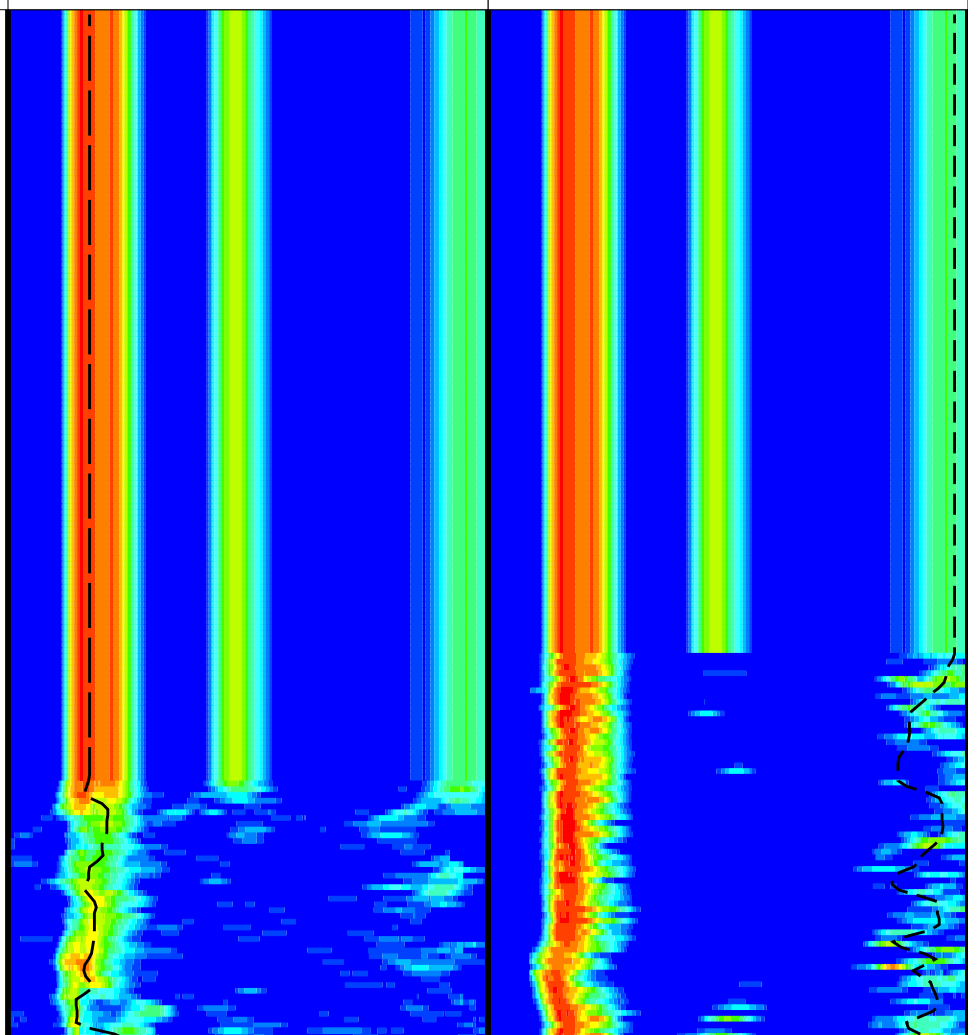
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Tension (TENS)		
10000	(LBF)	0
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Caliper 2 (C2)		
0	(IN)	20
Caliper 1 (C1)		
0	(IN)	20
Bit Size (BS)		
0	(IN)	20

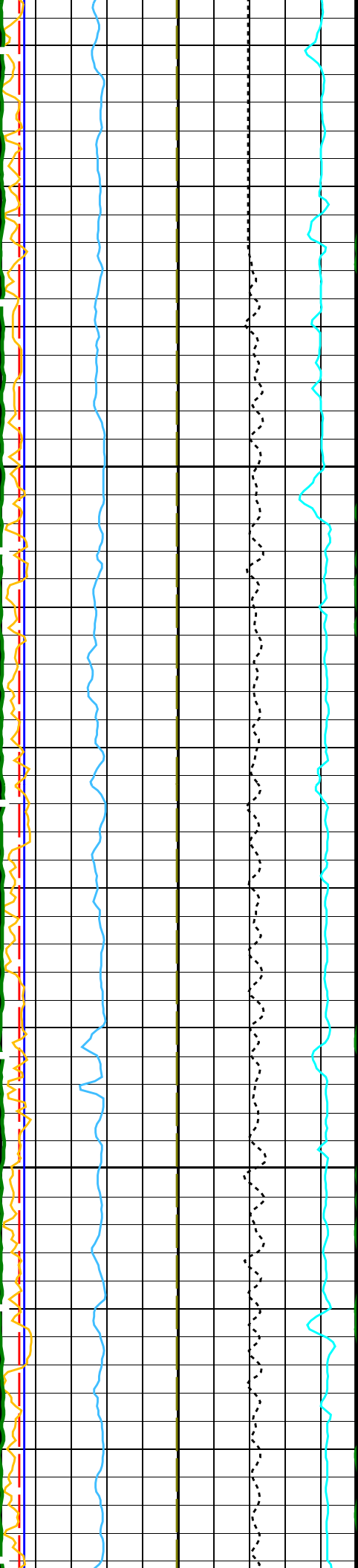
Downlog

Min	Amplitude	Max	Min	Amplitude	Max
40	Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)	1400	40	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	1400
40	Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)	1400	40	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	1400



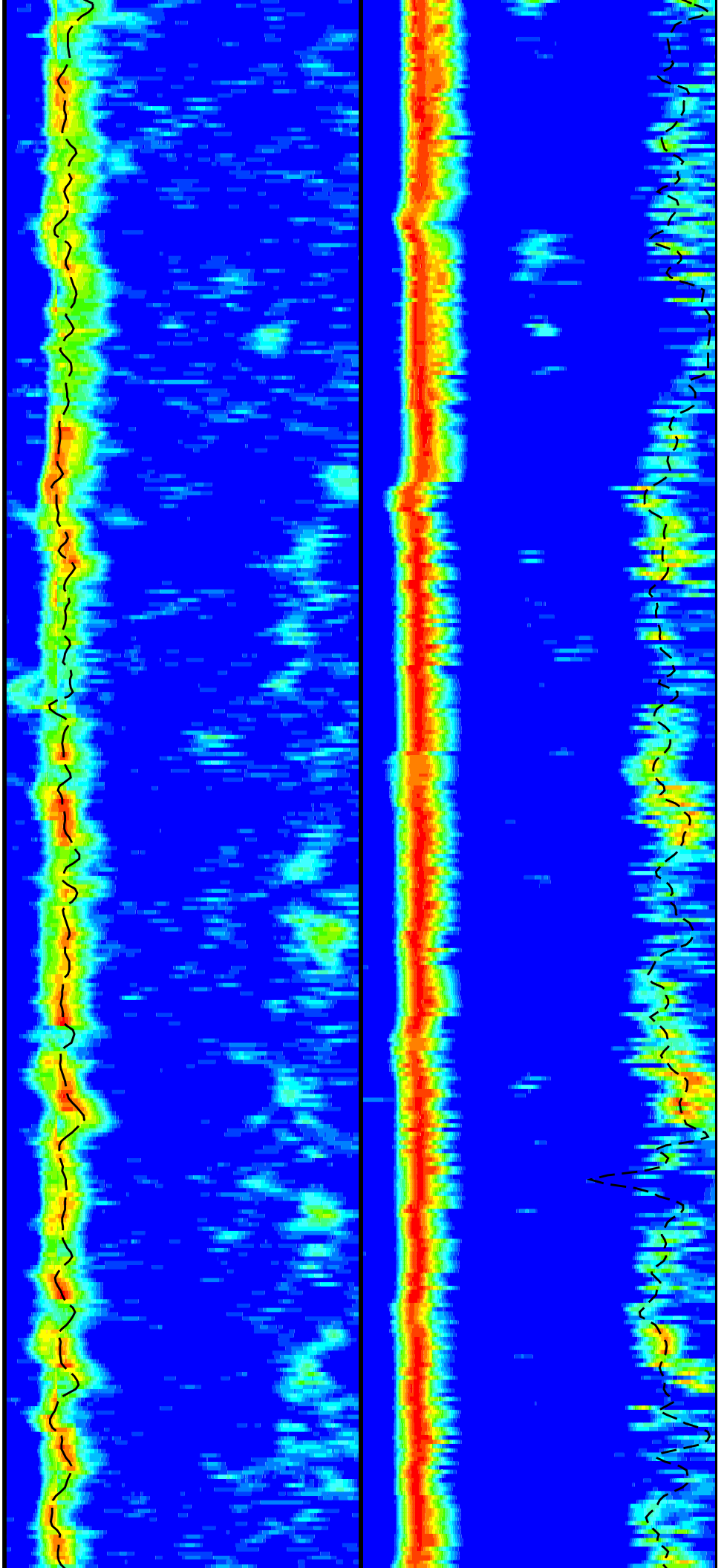
1475

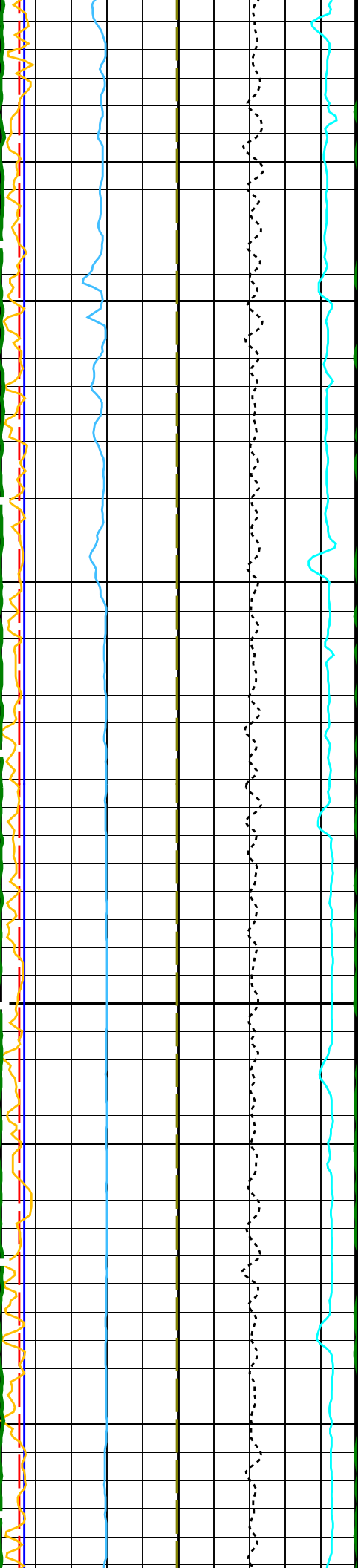




1500

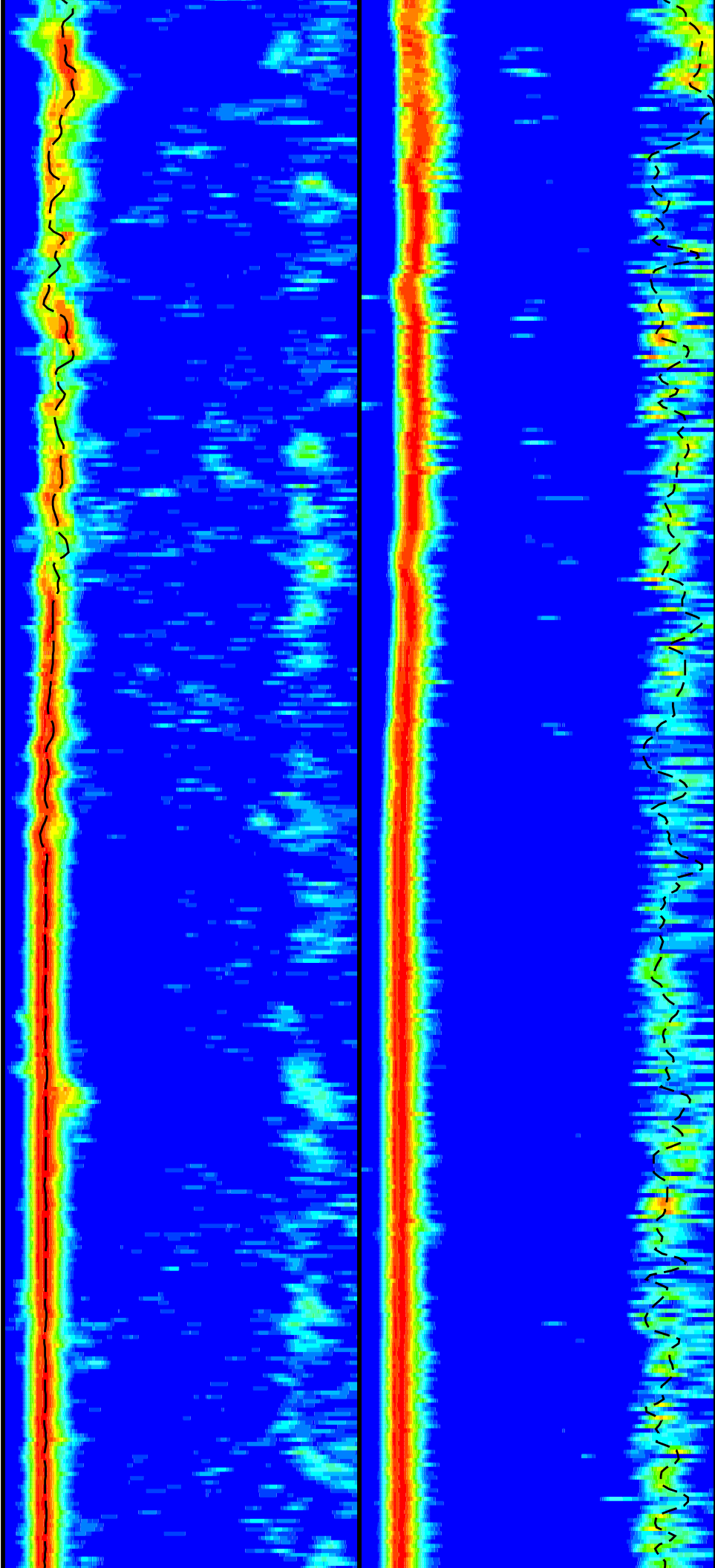
1525

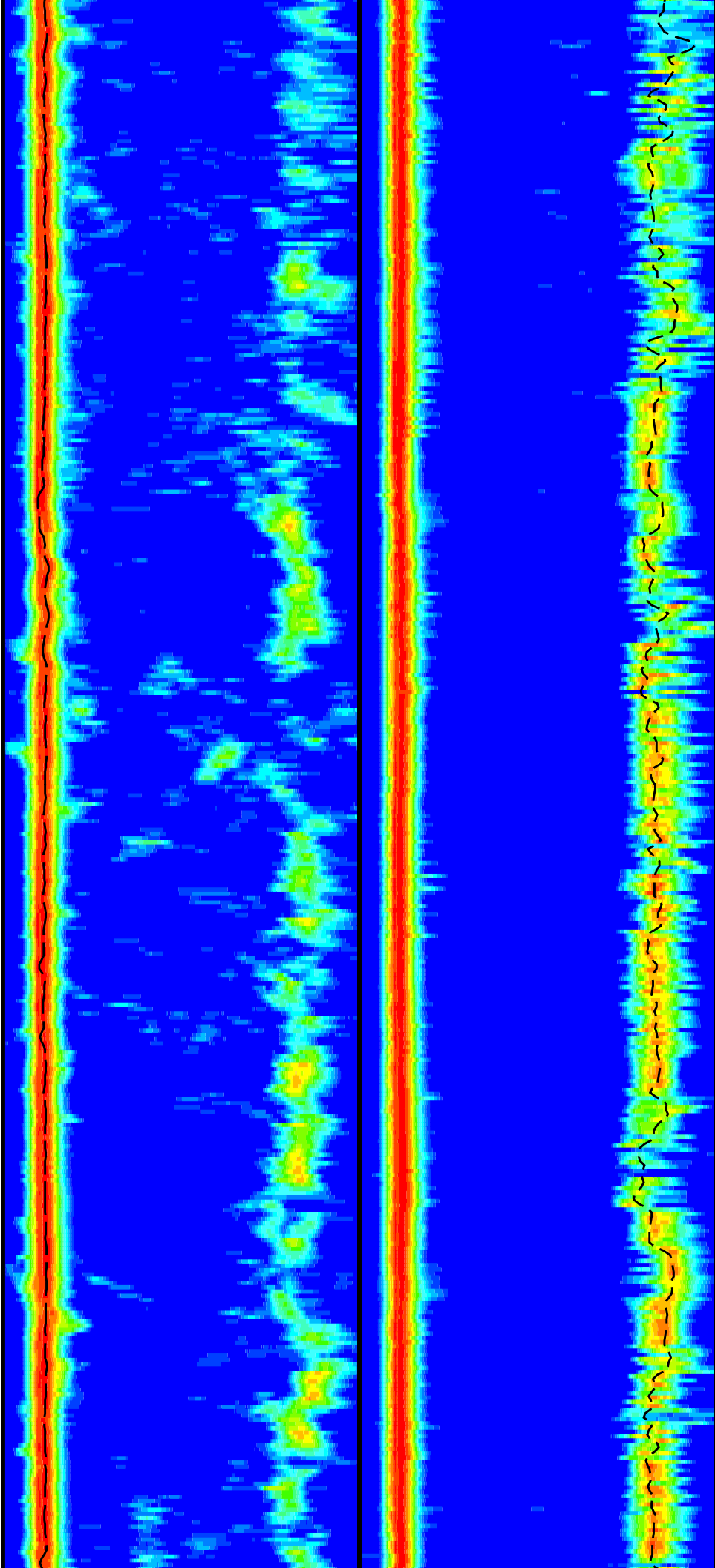
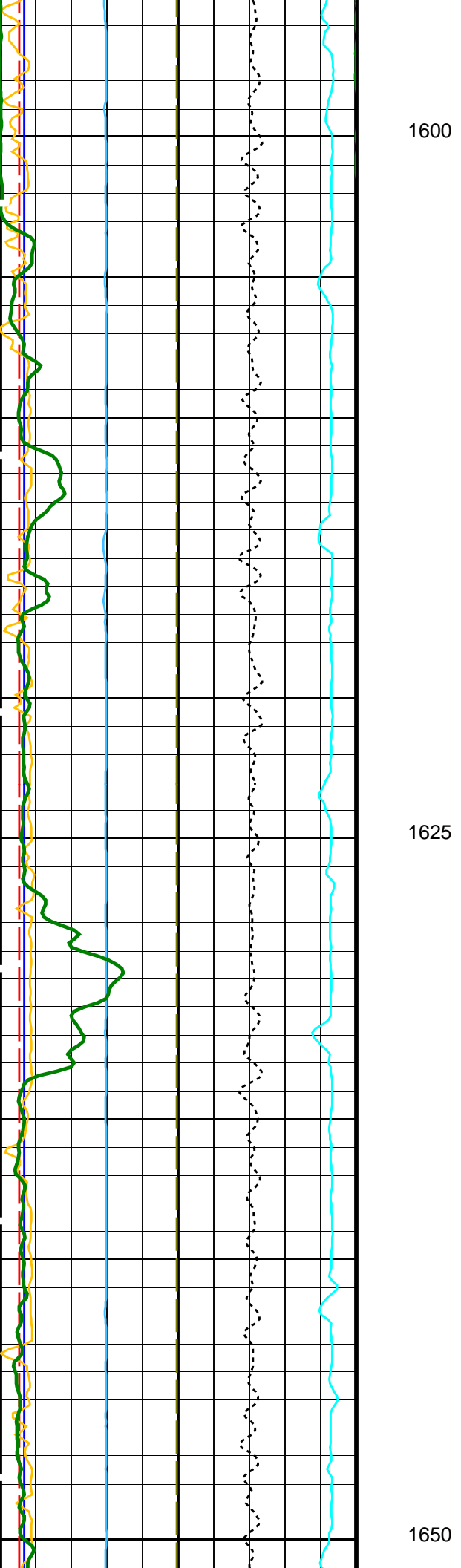


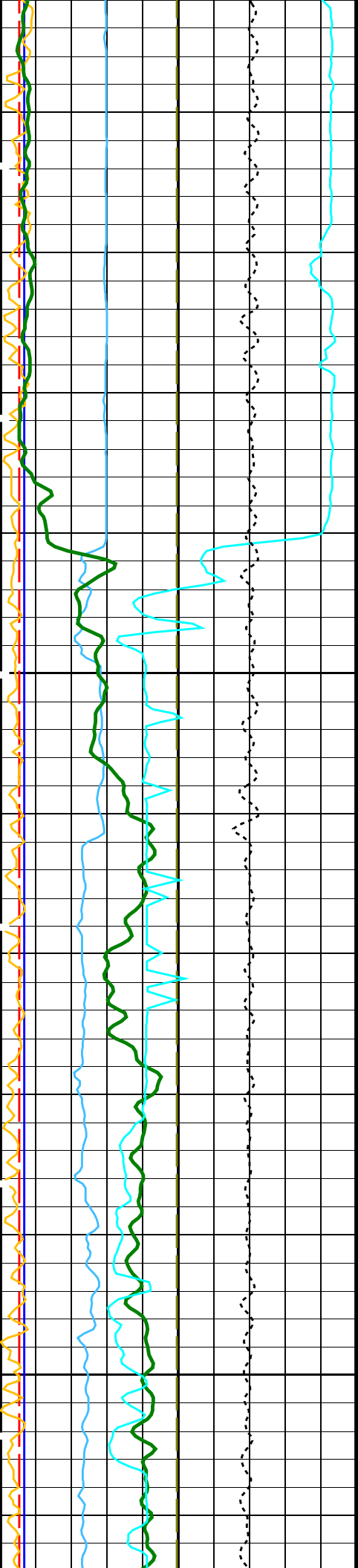


1550

1575

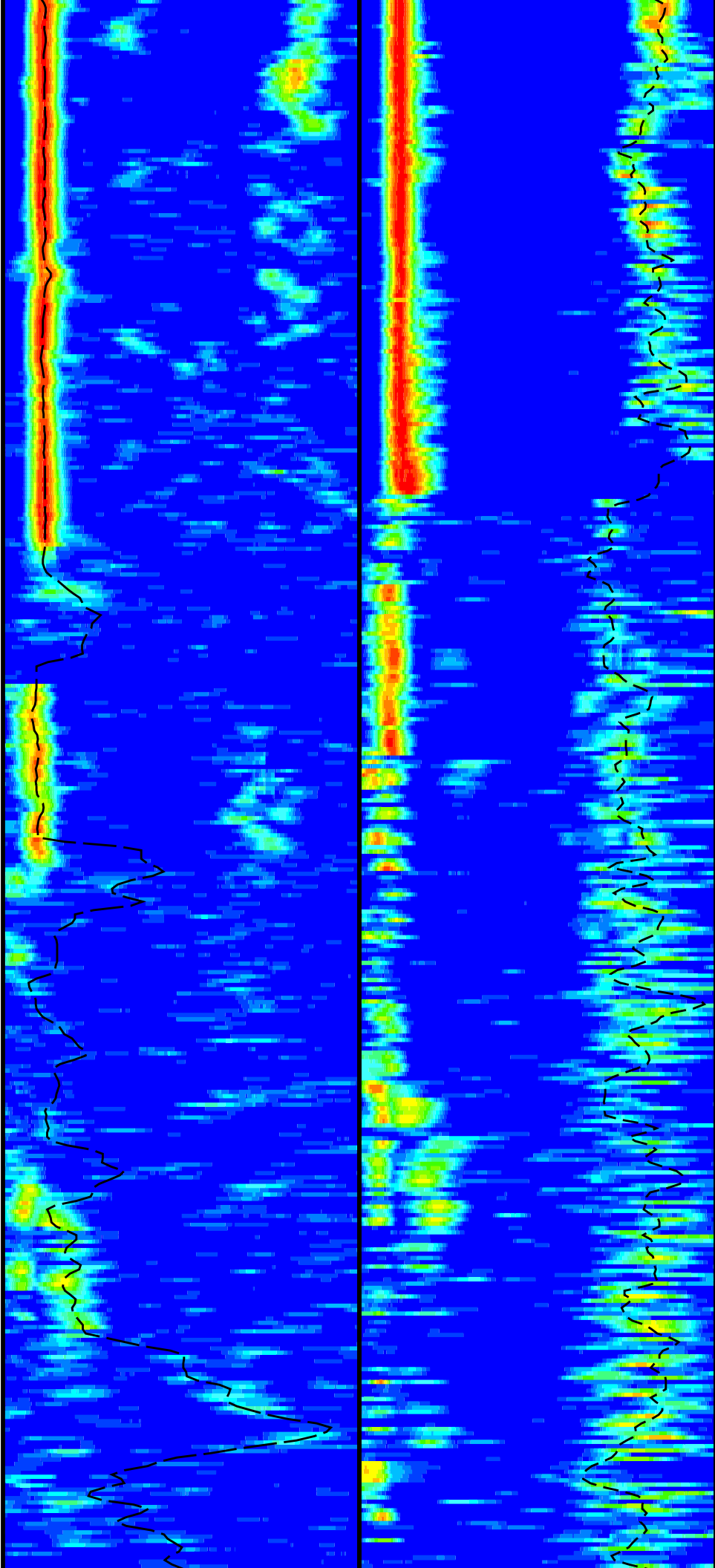


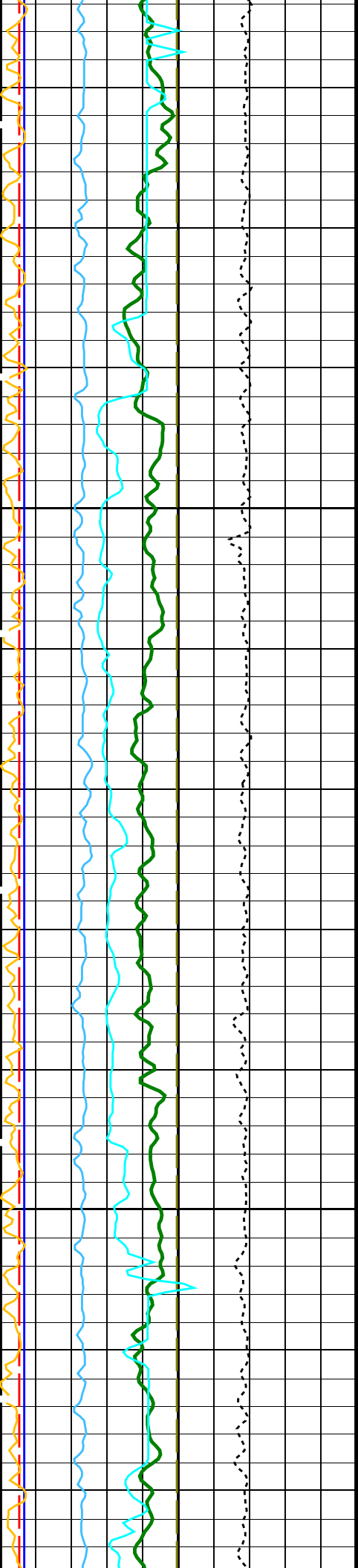




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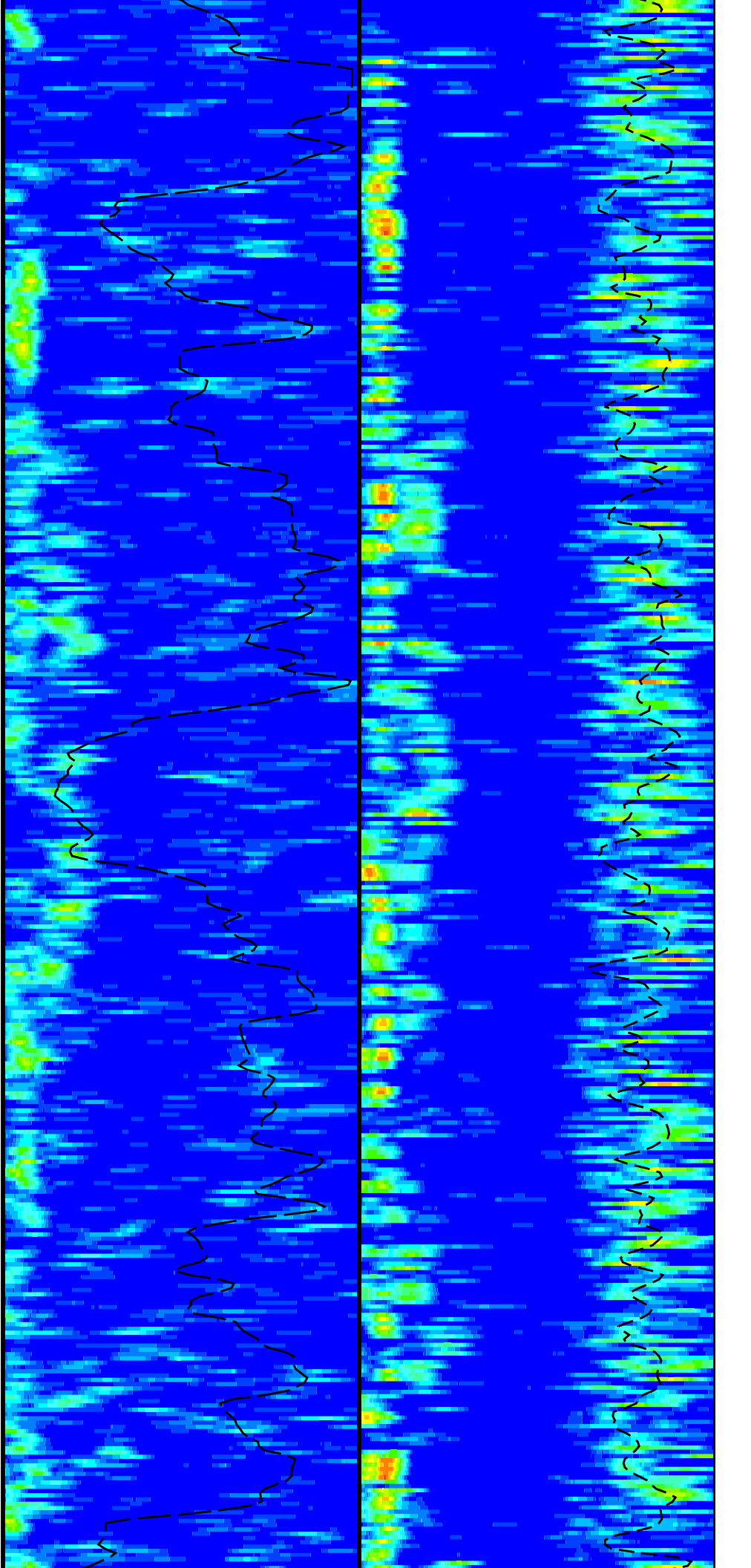
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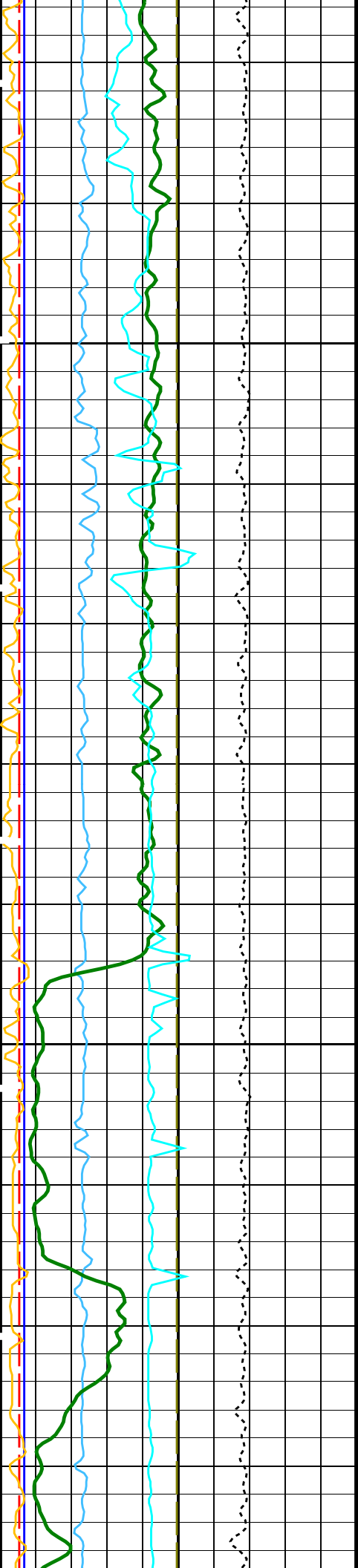




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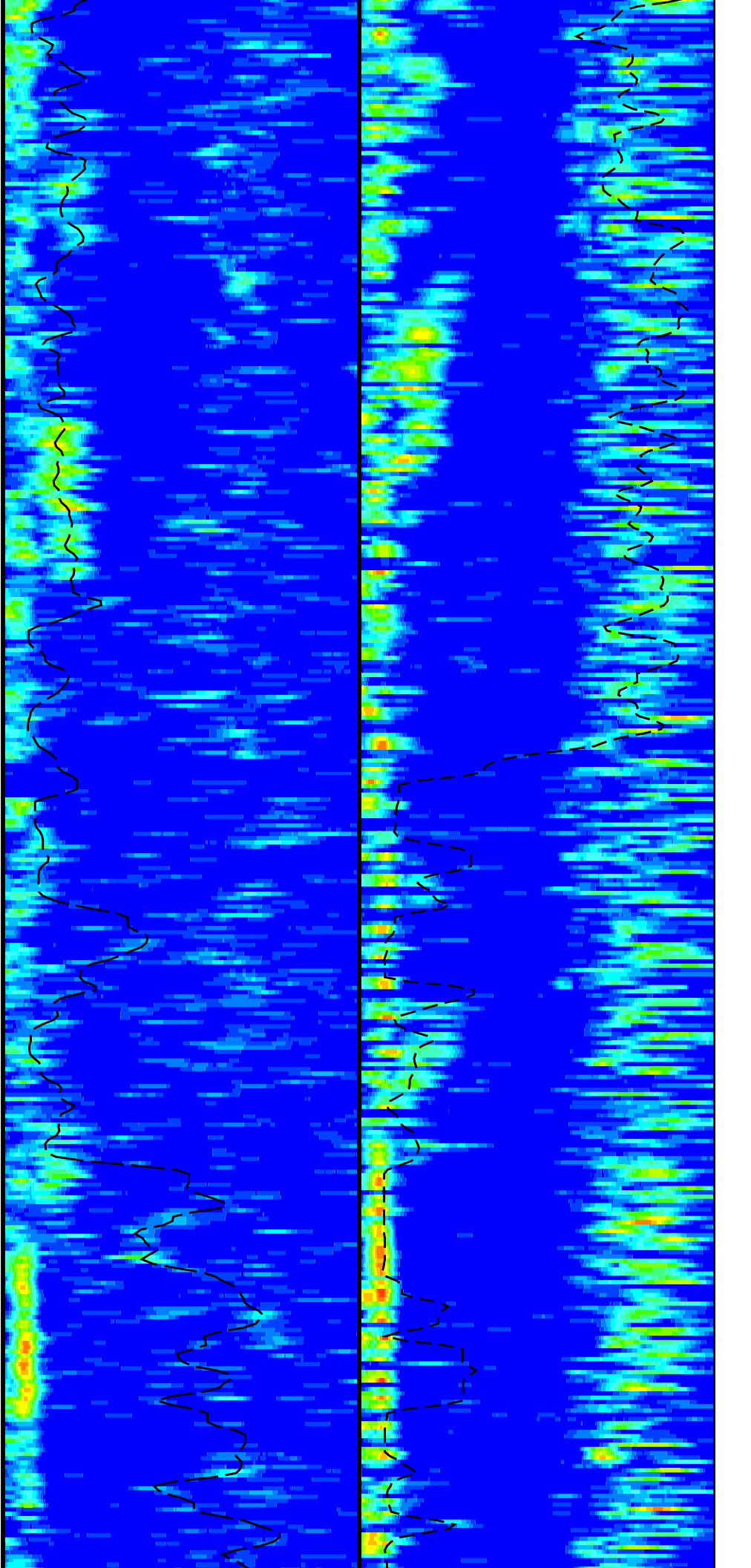
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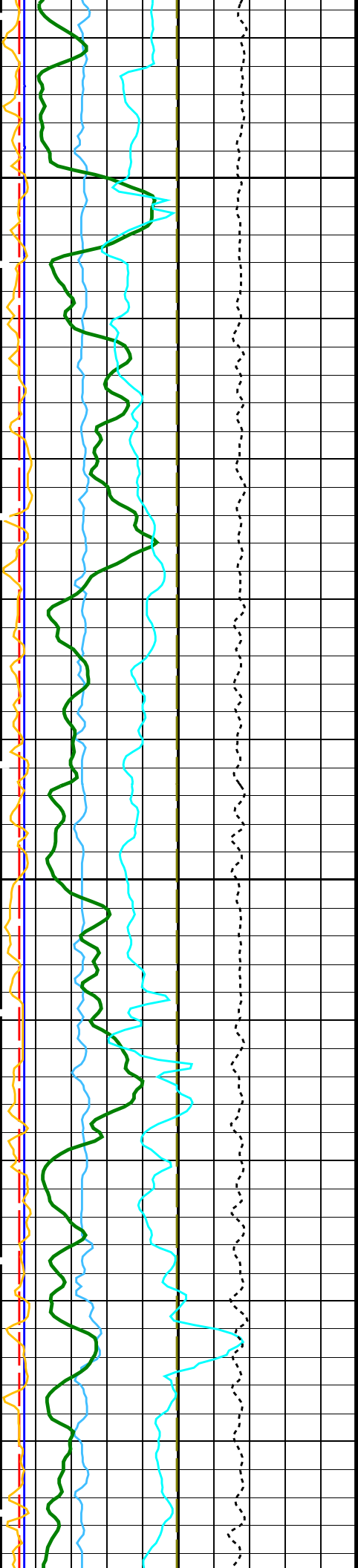




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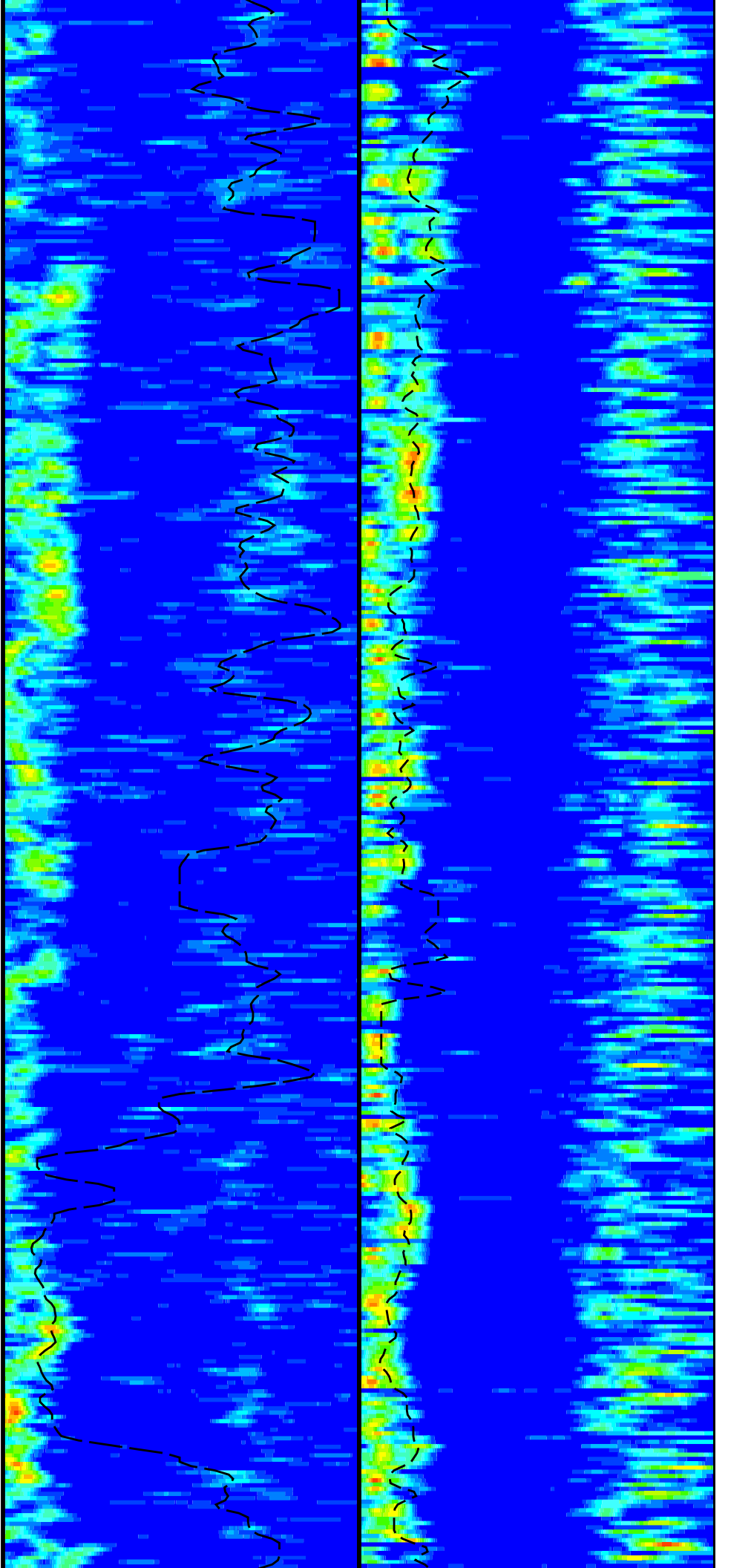
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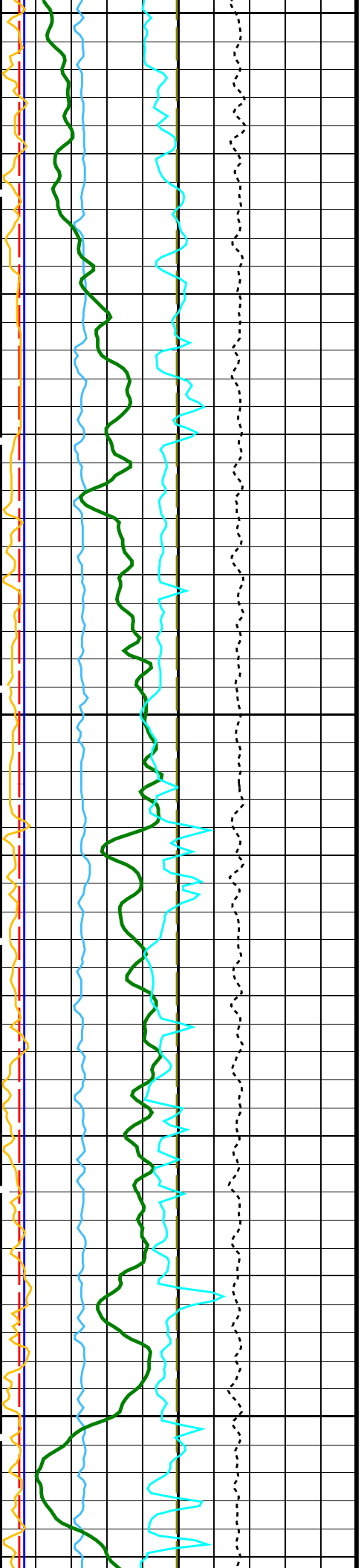




1825

1850

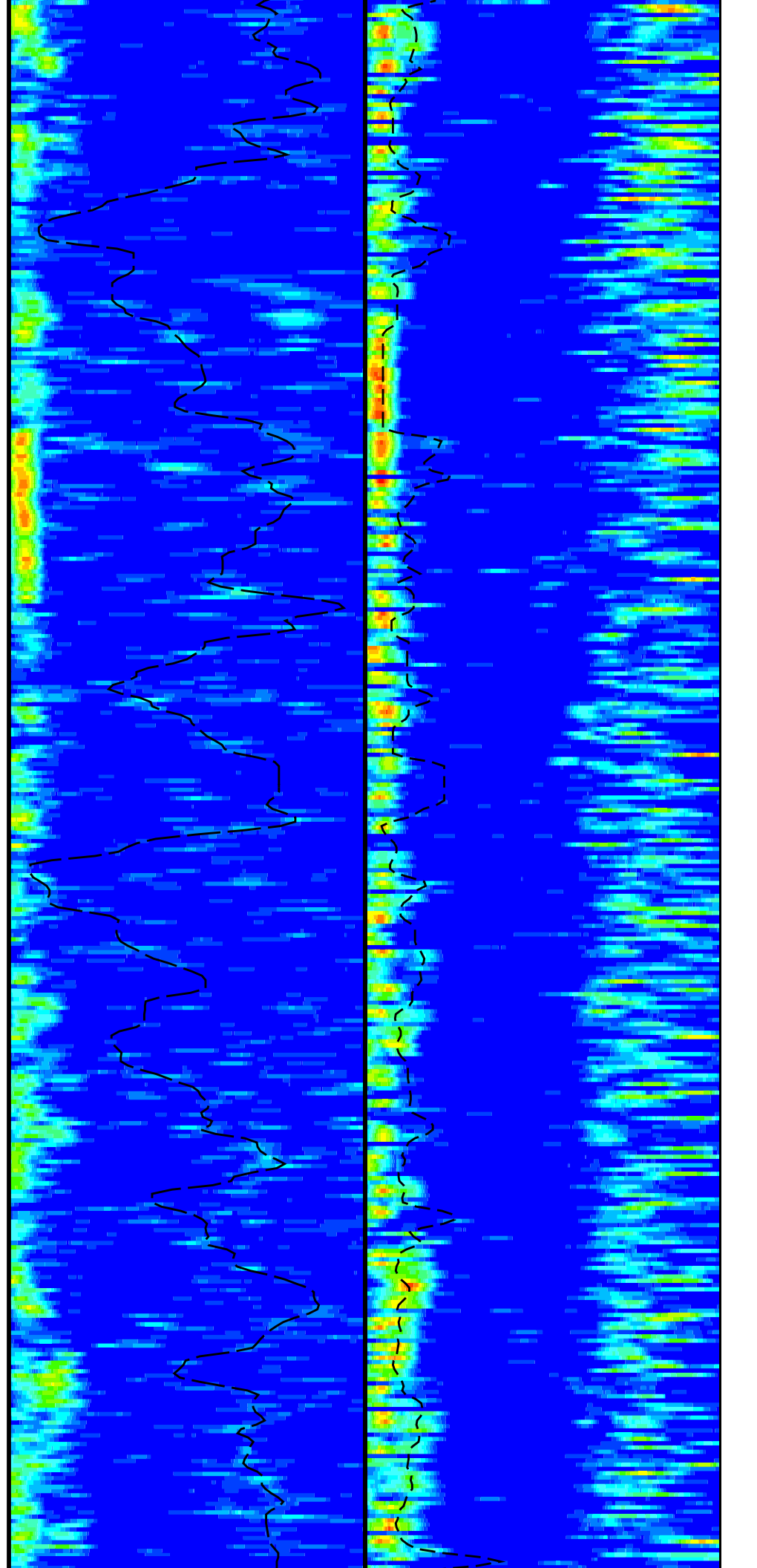


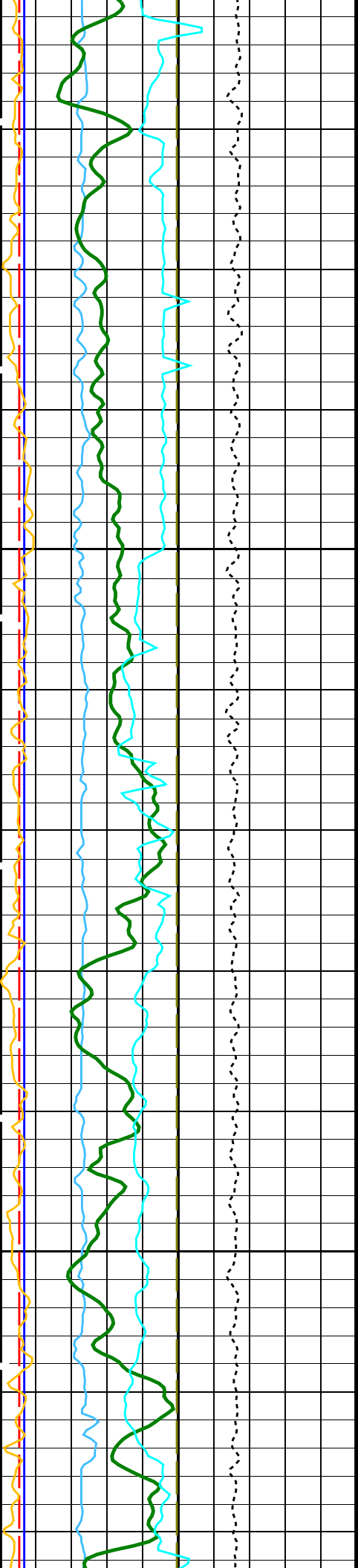


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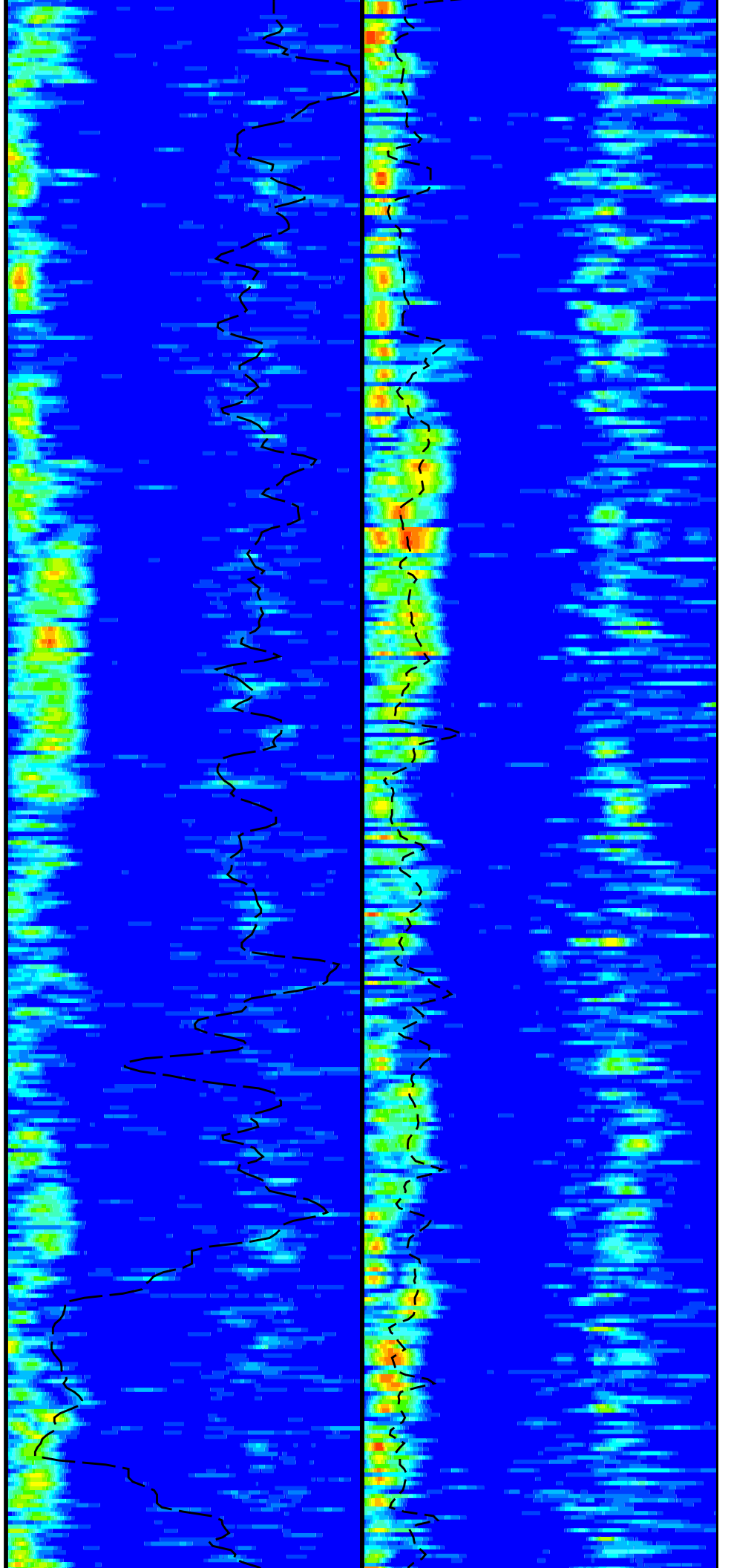
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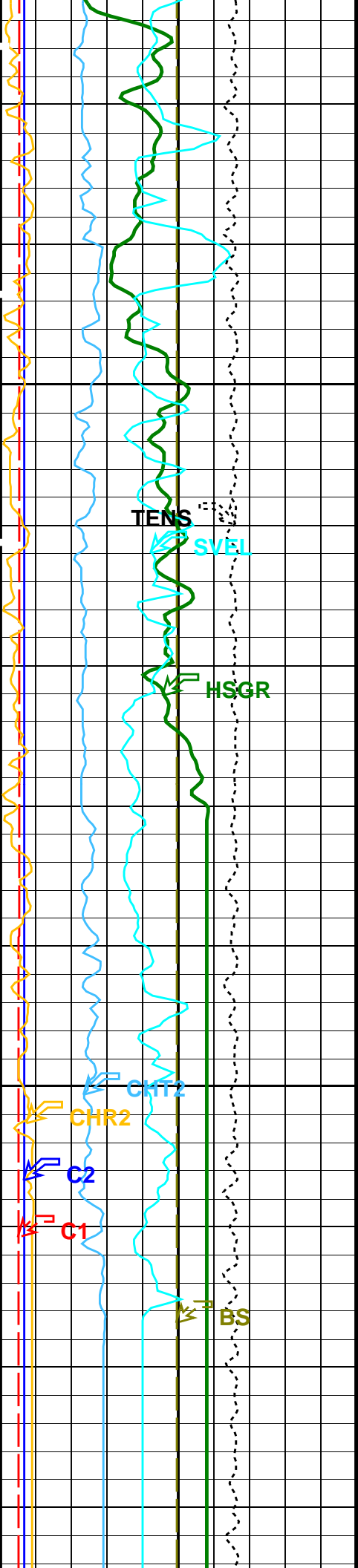




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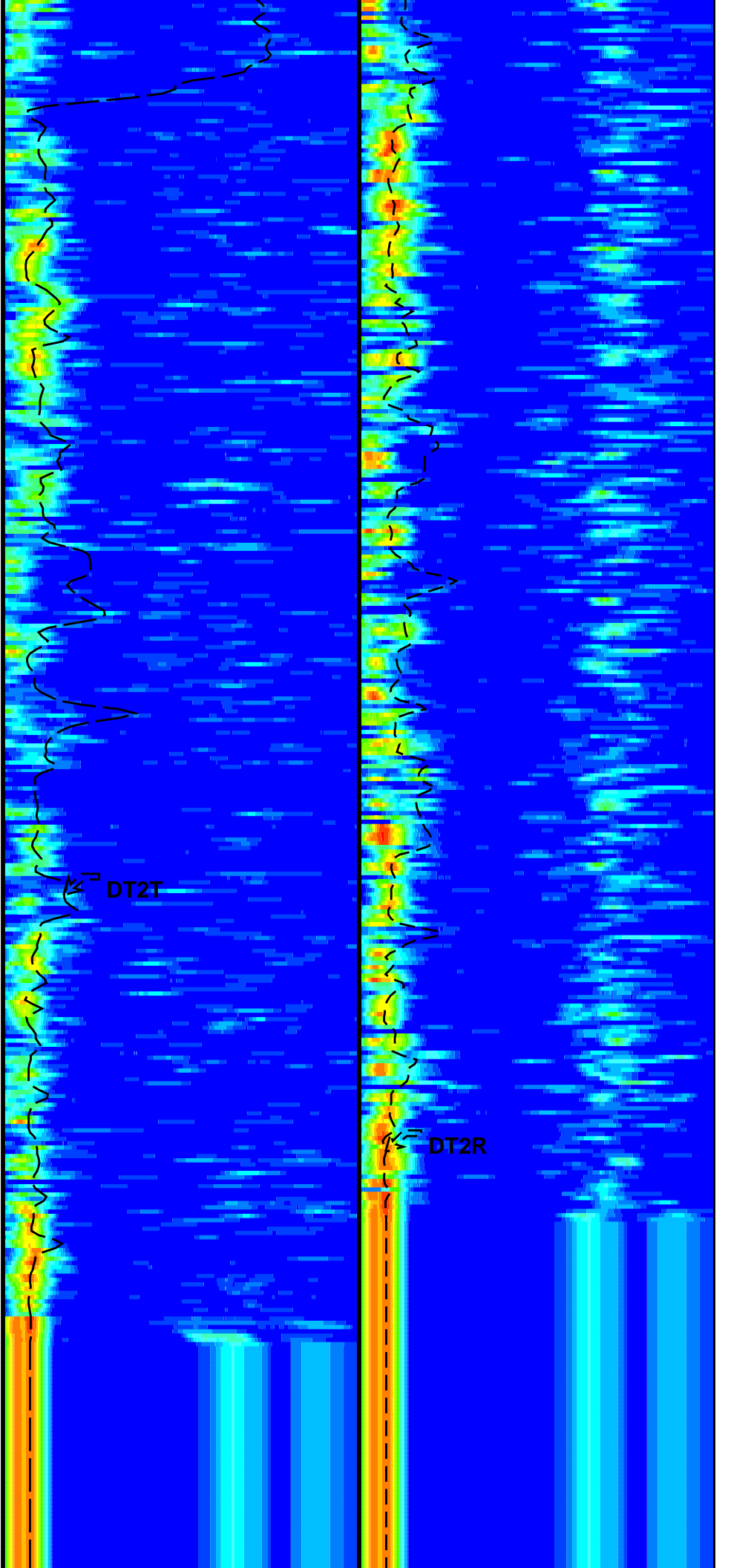
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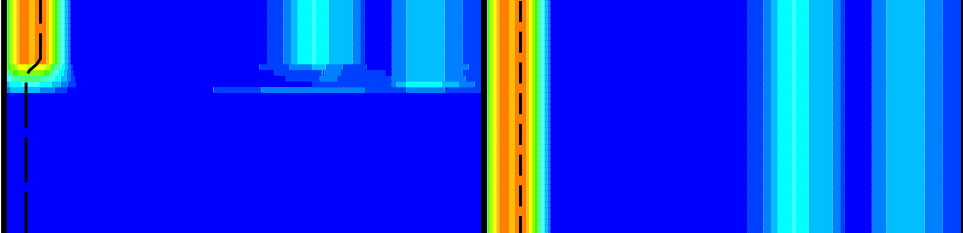
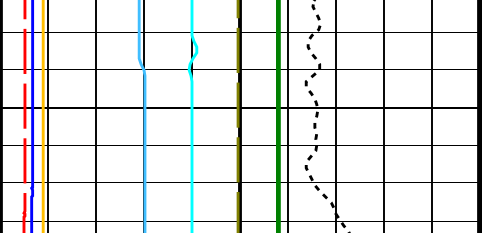
2000

2025



DT2T

DT2R



Bit Size (BS) (IN)	0	20
Caliper 1 (C1) (IN)	0	20
Caliper 2 (C2) (IN)	0	20
Sonic Velocity (SVEL) (M/S)	1000	6000
Tension (TENS) (LBF)	10000	0
Peak Coherence / RA - Upper Dipole (CHR2)	0	10
Peak Coherence / TA - Upper Dipole (CHT2)	-2	8
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	0	100

Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)	40	1400	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	40	1400
Min	Amplitude	Max	Min	Amplitude	Max
40	Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)	1400	40	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	1400

Downlog

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
DDE2	Digitizing Delay 2	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1400 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC2	Digitizer Word Count 2	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	BS
NWI2	Number Waveform Items 2	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS2	STC Sonic Array Status - Upper Dipole	255
SBO2	STC Search Band Offset - Upper Dipole	3000 US
SBW2	STC Search Bandwidth - Upper Dipole	8000 US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE

SFM2	STC Filter – Upper Dipole	B1-3K	
SLL2	STC Slowness Lower Limit – Upper Dipole	40	US/F
SST2	STC Slowness Step – Upper Dipole	4	US/F
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit – Upper Dipole	1400	US/F
SWD2	STC Slowness Width – Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill – Upper Dipole	0	US
TLL2	STC Time Lower Limit – Upper Dipole	600	US
TST2	STC Time Step – Upper Dipole	200	US
TUL2	STC Time Upper Limit – Upper Dipole	20440	US
TWD2	STC Time Width – Upper Dipole	2000	US
TWI2	STC Integration Time Window – Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
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	-0.00461246	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.32869	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.600308	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: SAM2_BHC Vertical Scale: 1:200 Graphics File Created: 21-Jun-2018 21:20

OP System Version: 19C0-187

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

Input DLIS Files

Flip_LDL_FMS_DSI_046LUP	FN:1	20-Jun-2018 08:49	2048.4 M	1456.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_065PUP	FN:82	PRODUCER	21-Jun-2018 21:20
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Input DLIS Files

Flip_LDL_FMS_DSI_046LUP	FN:1	20-Jun-2018 08:49	2048.4 M	1456.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_065PUP	FN:82	PRODUCER	21-Jun-2018 21:20	2048.4 M	1456.2 M
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OP System Version: 19C0-187

HLDS	19C0-187	MEST-B	19C0-187
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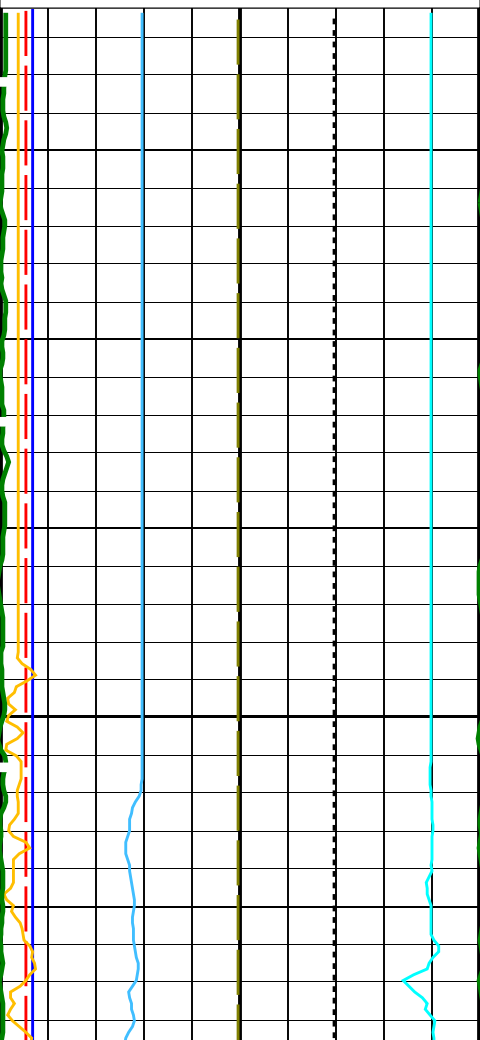
PIP SUMMARY

Time Mark Every 60 S

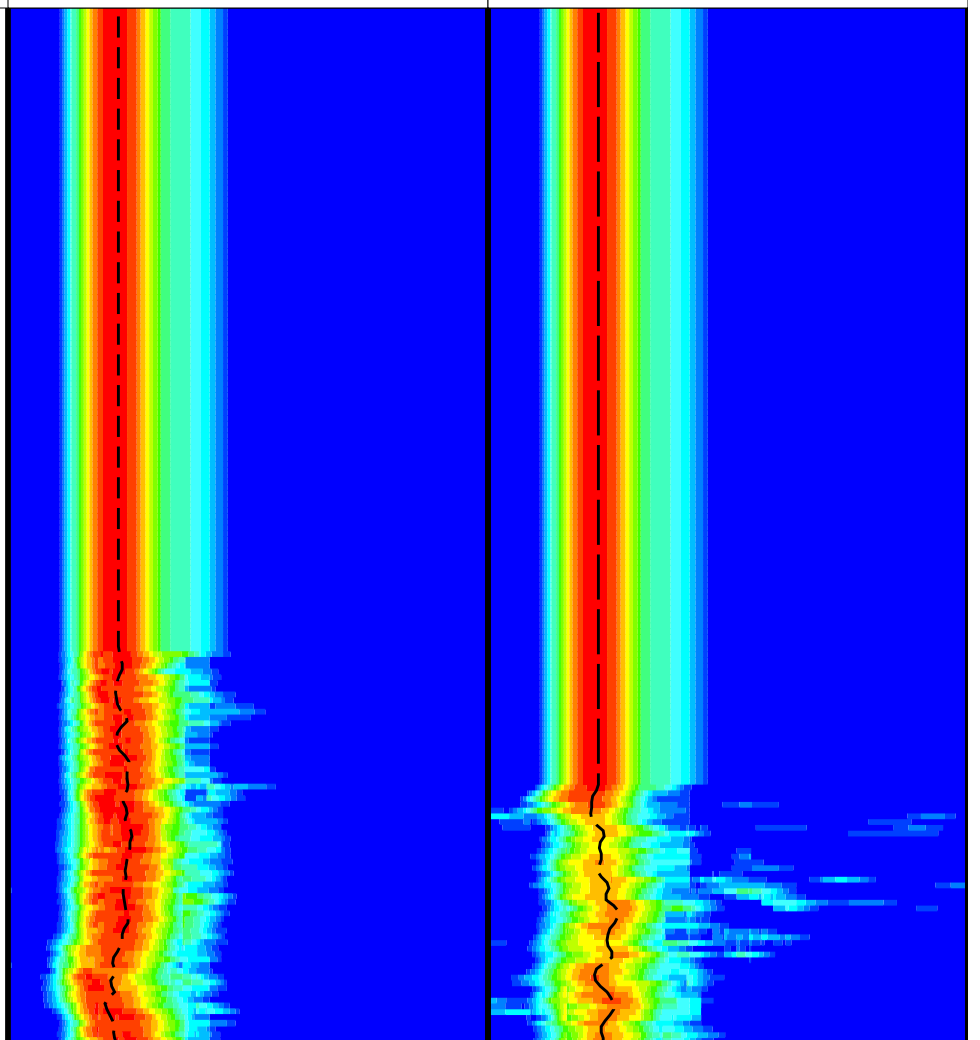
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Tension (TENS)		
10000	(LBF)	0
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Caliper 2 (C2)		
0	(IN)	20
Caliper 1 (C1)		
0	(IN)	20
Bit Size (BS)		
0	(IN)	20

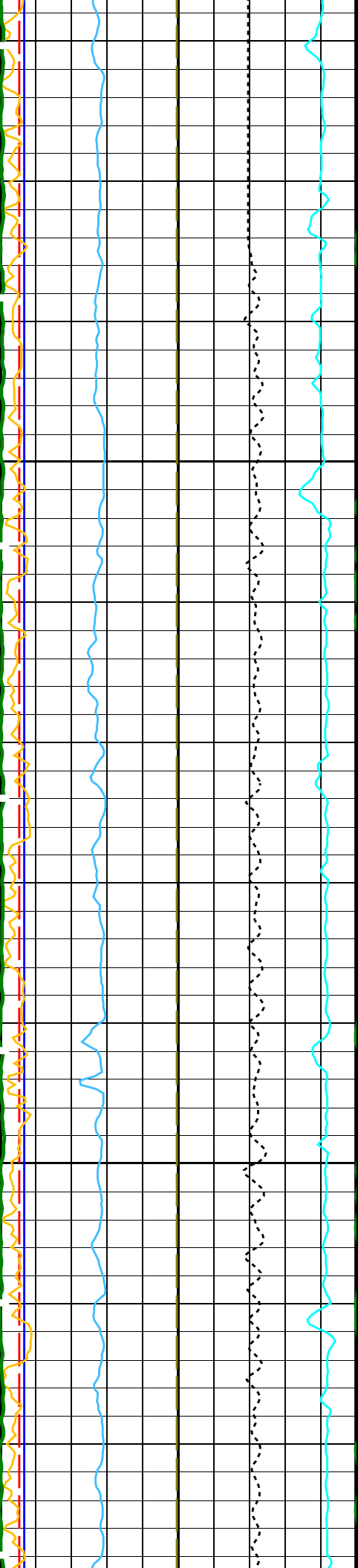
Downlog

Min	Amplitude	Max	Min	Amplitude	Max
40	Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F)	1400	40	Tr.Array L.Dipole Slow Proj. CVDL (SPT1) (US/F)	1400
40	Delta-T Shear / RA - Lower Dipole (DT1R) (US/F)	1400	40	Delta-T Shear / TA - Lower Dipole (DT1T) (US/F)	1400



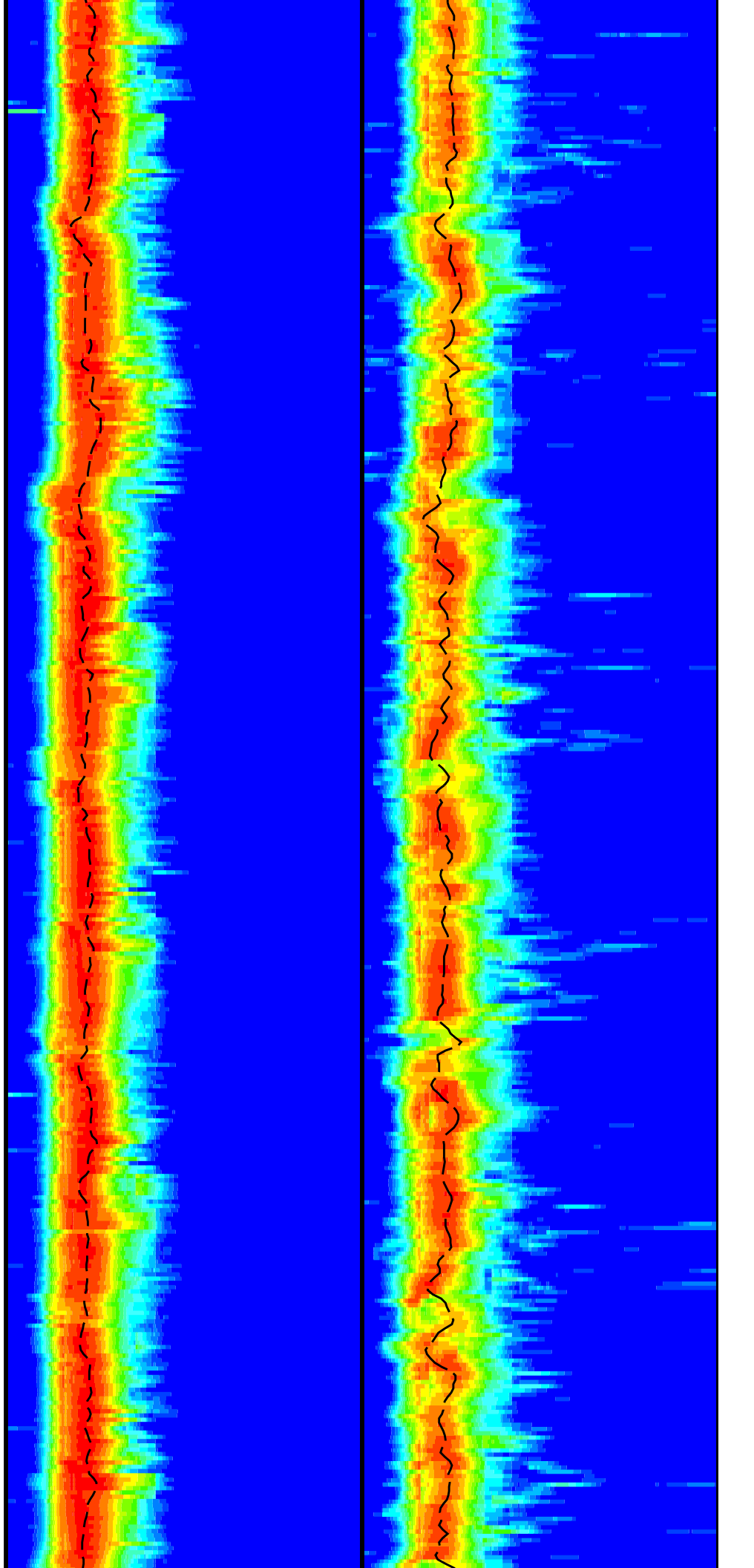
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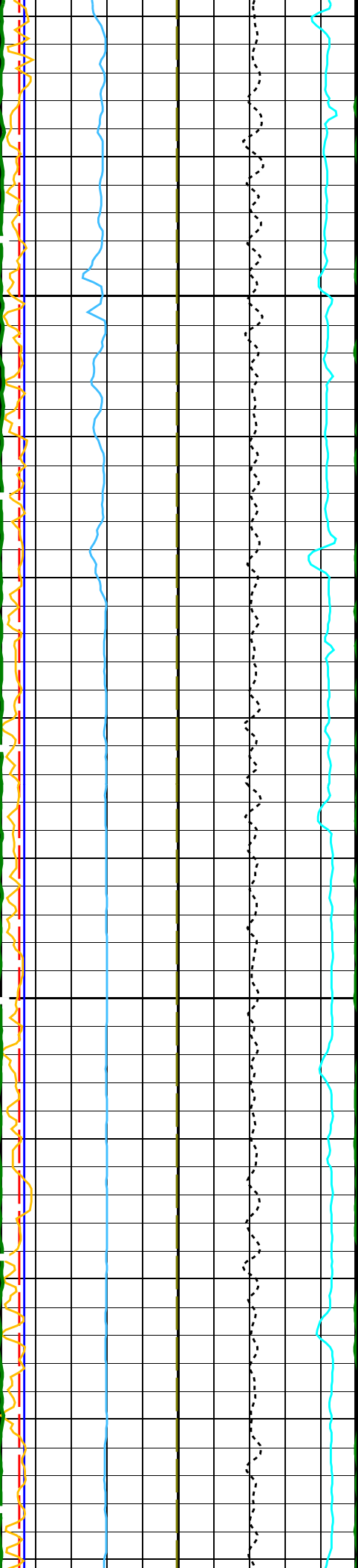




1500

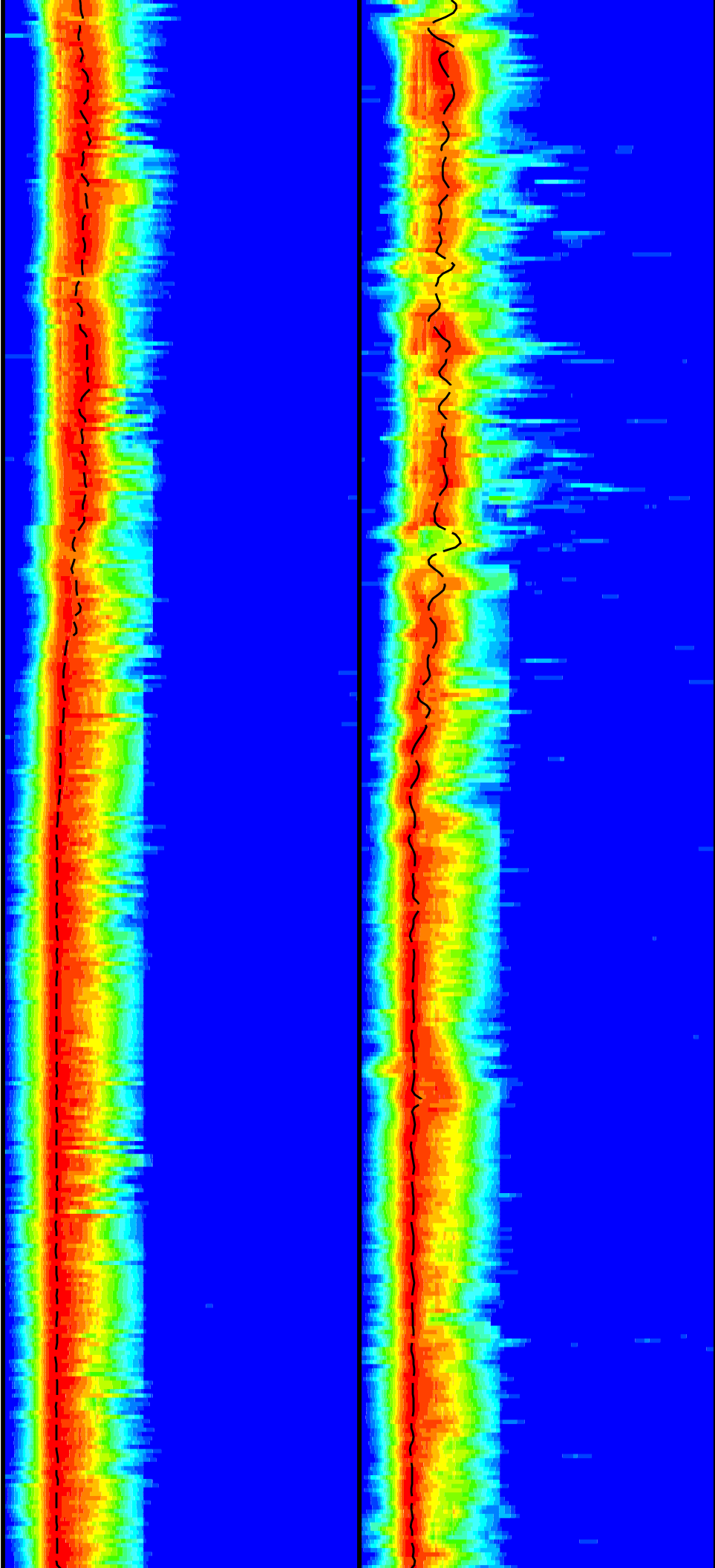
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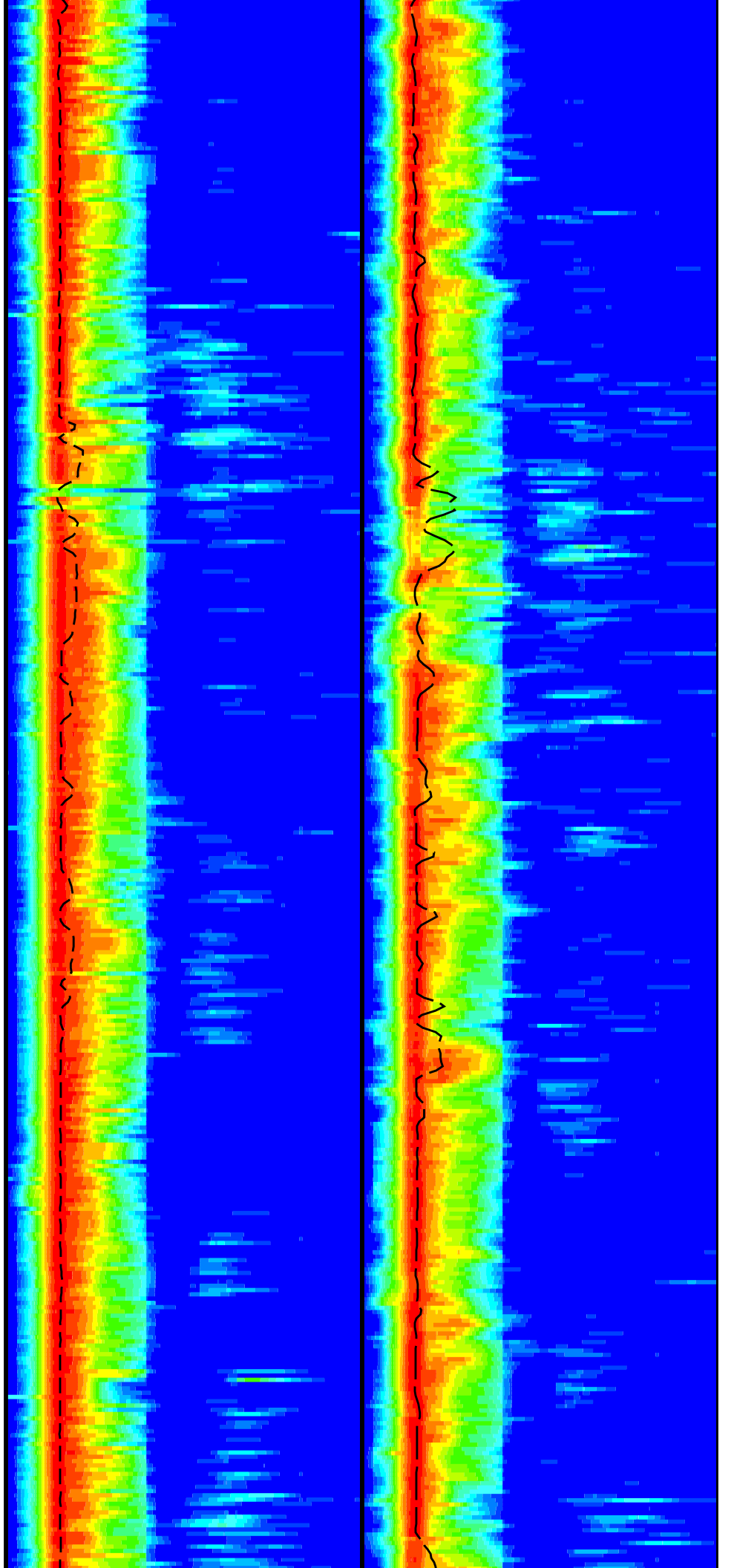
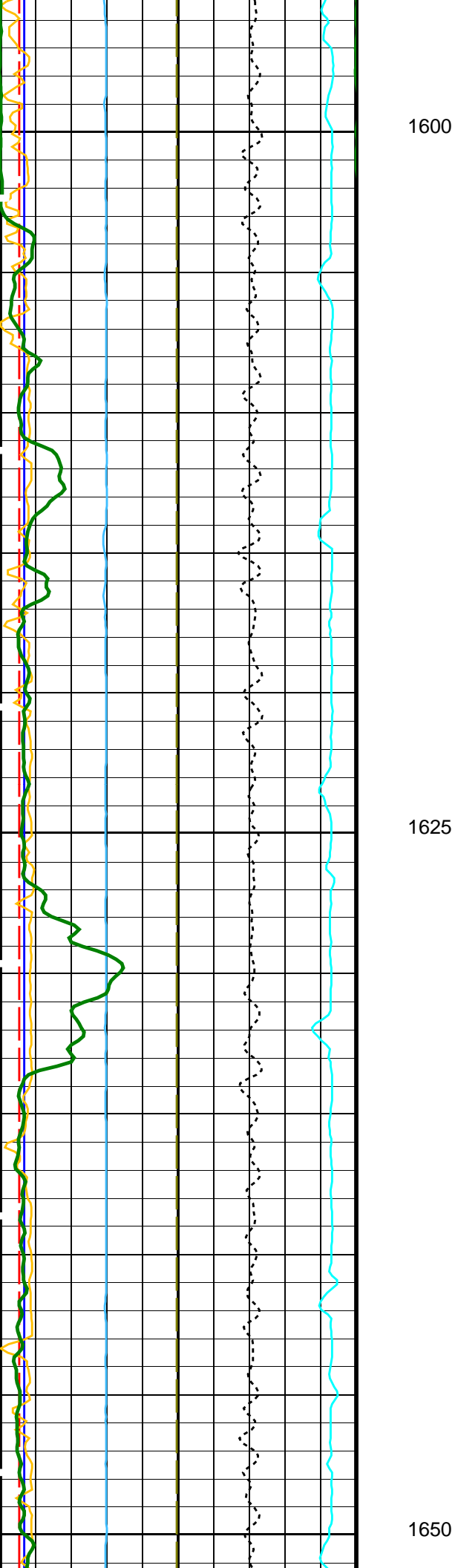


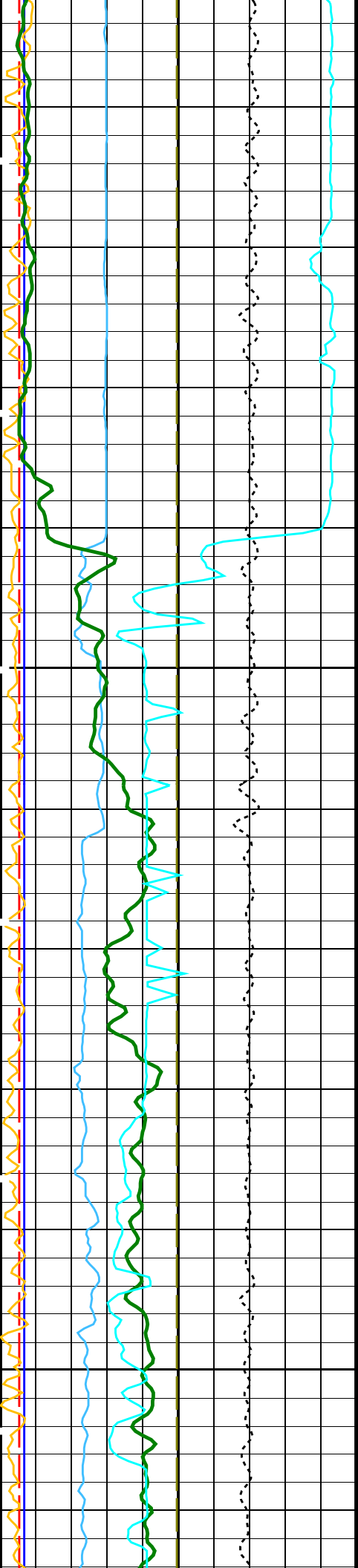


1550

1575

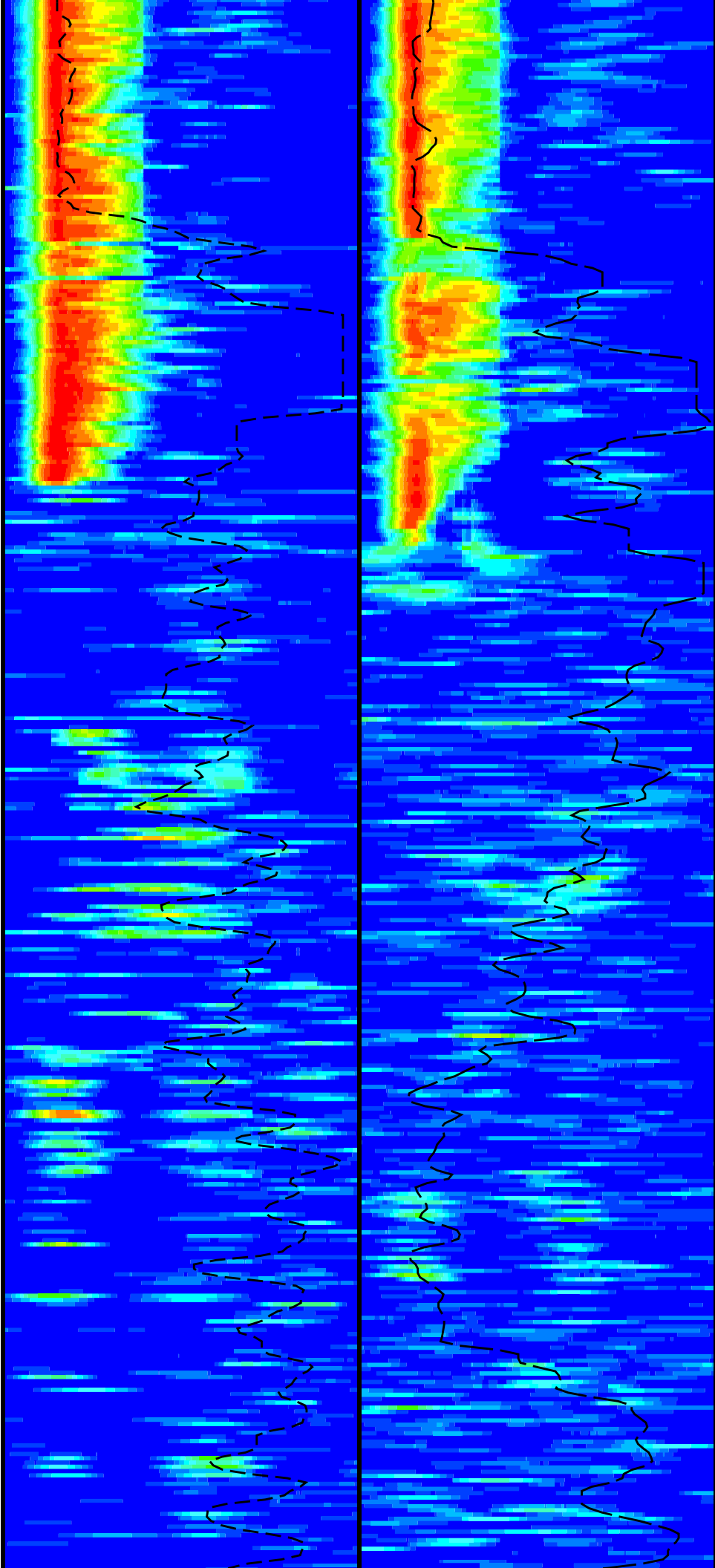


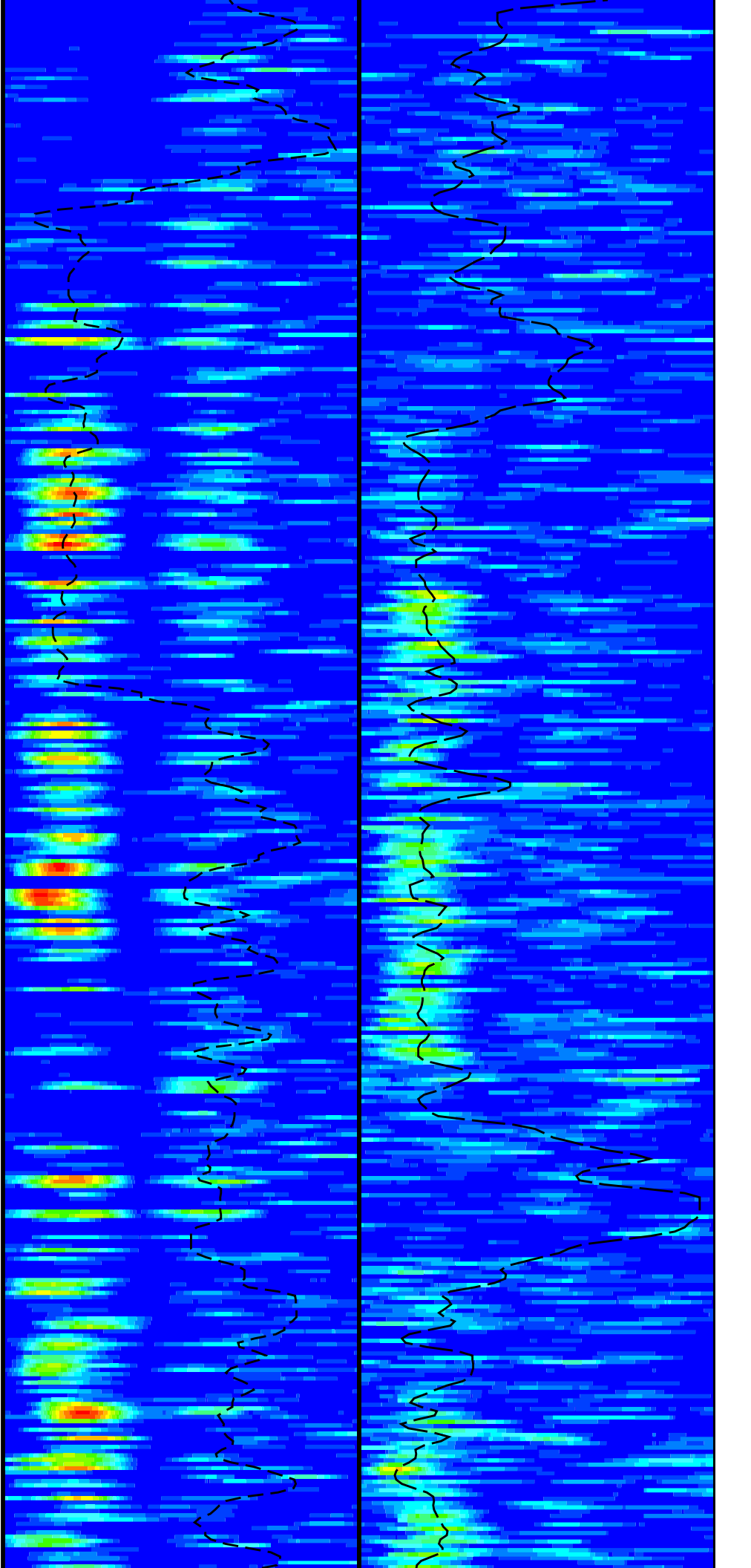
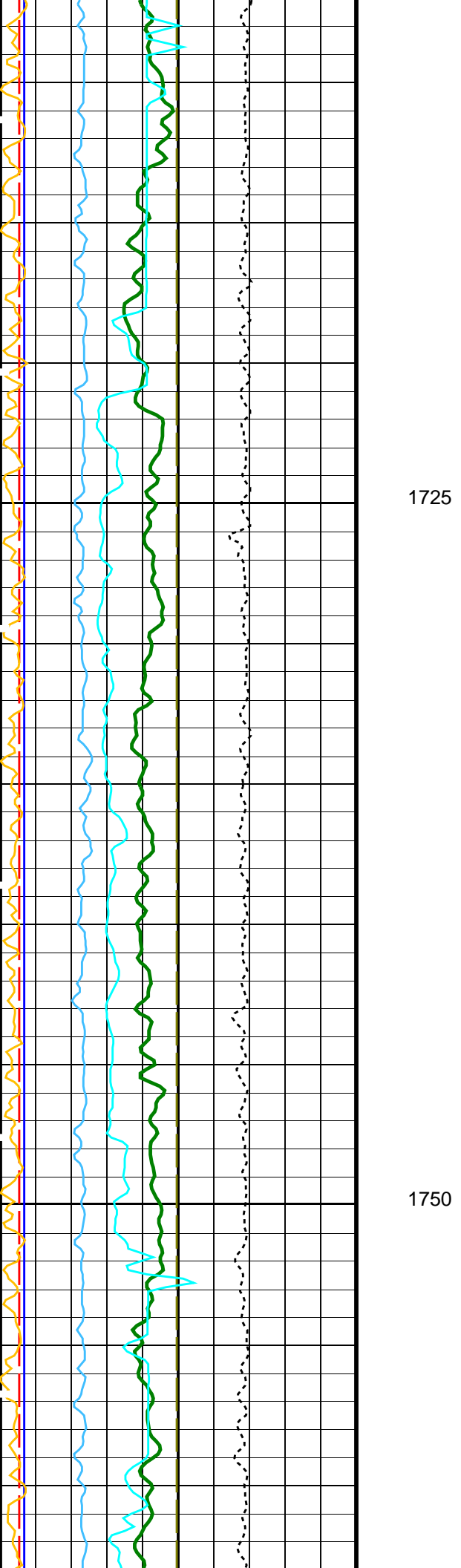


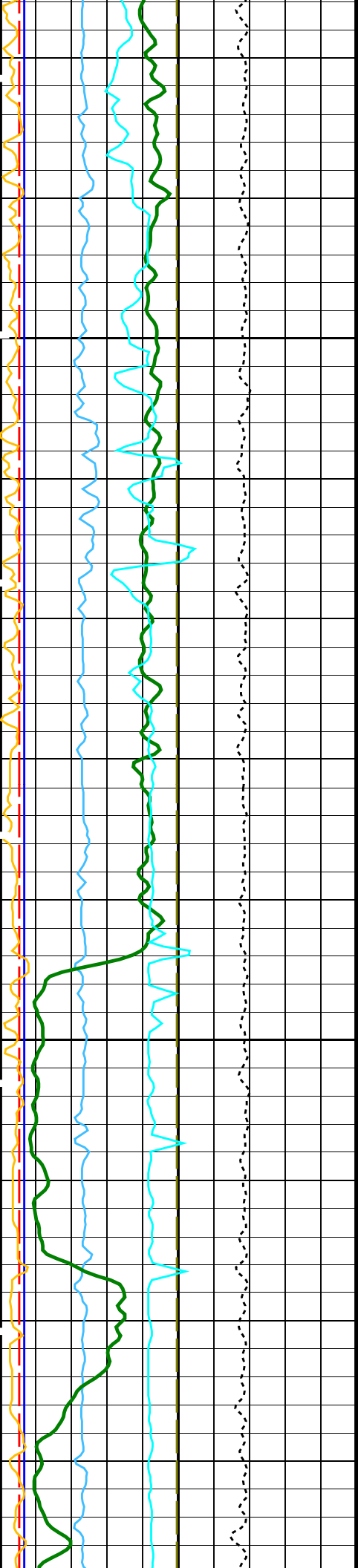


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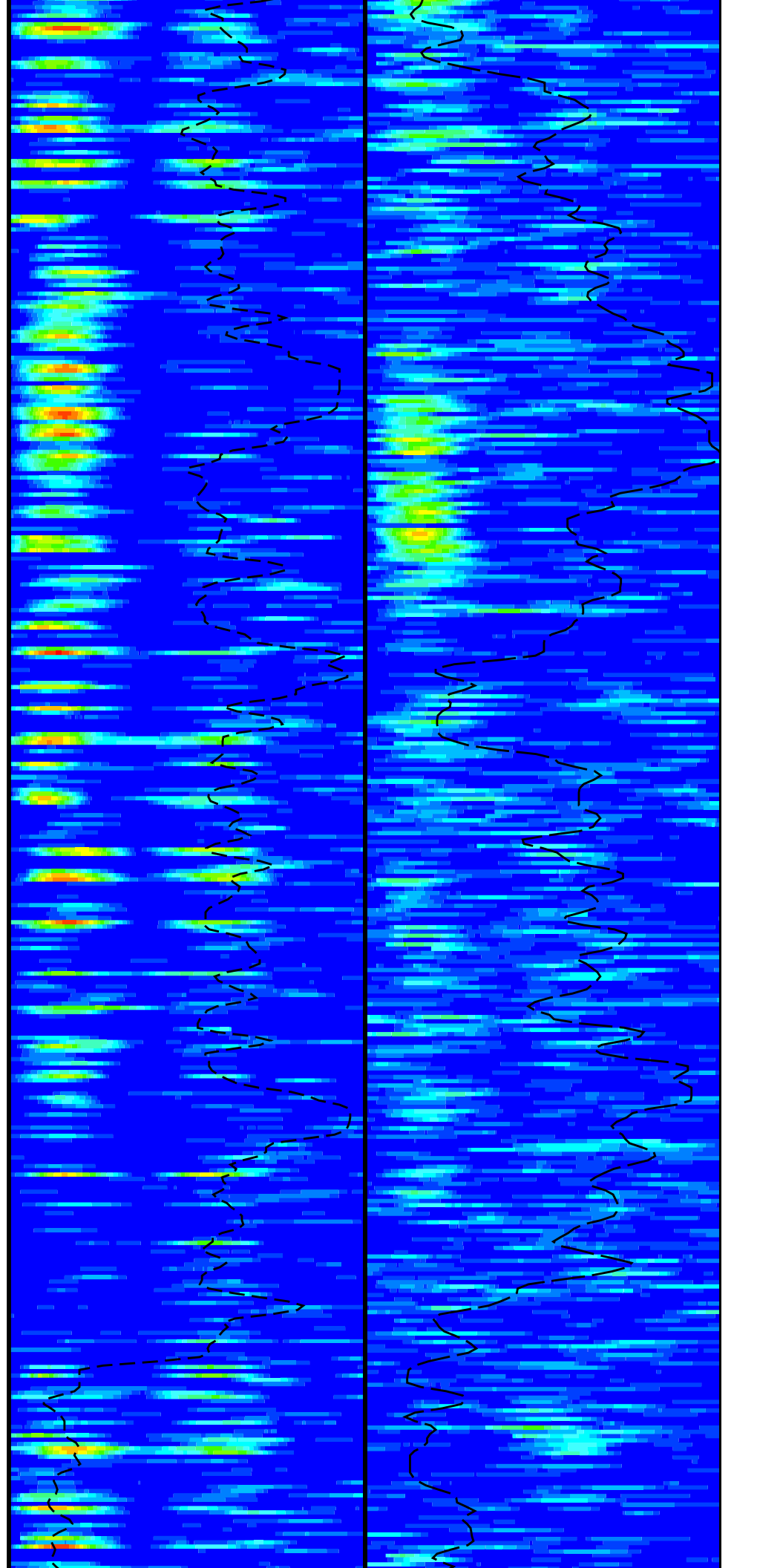


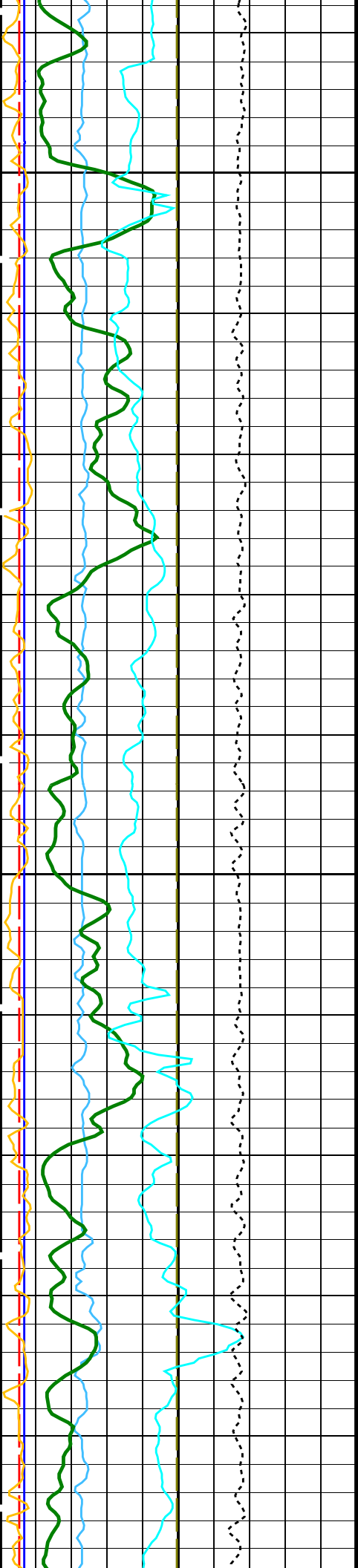




1775

1800

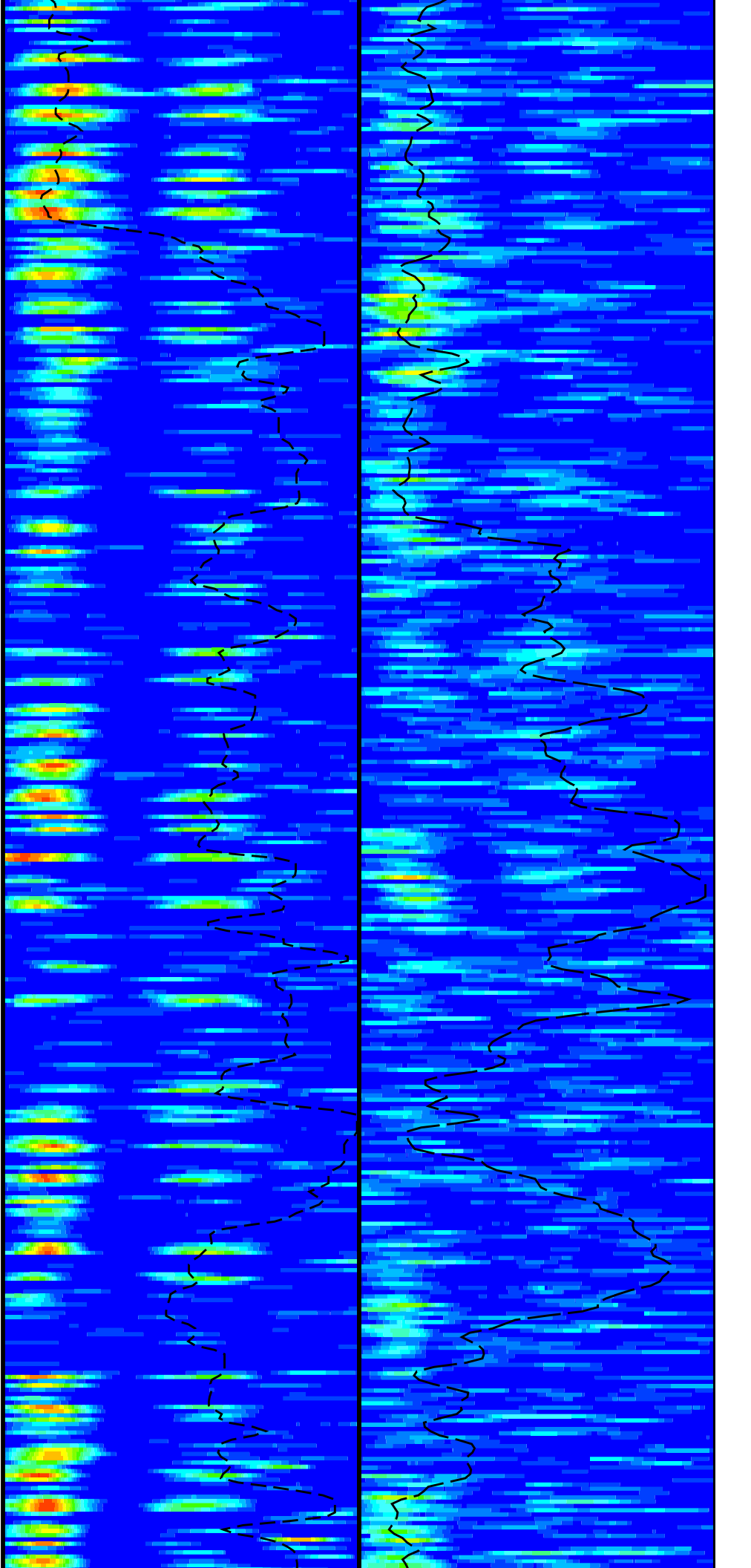


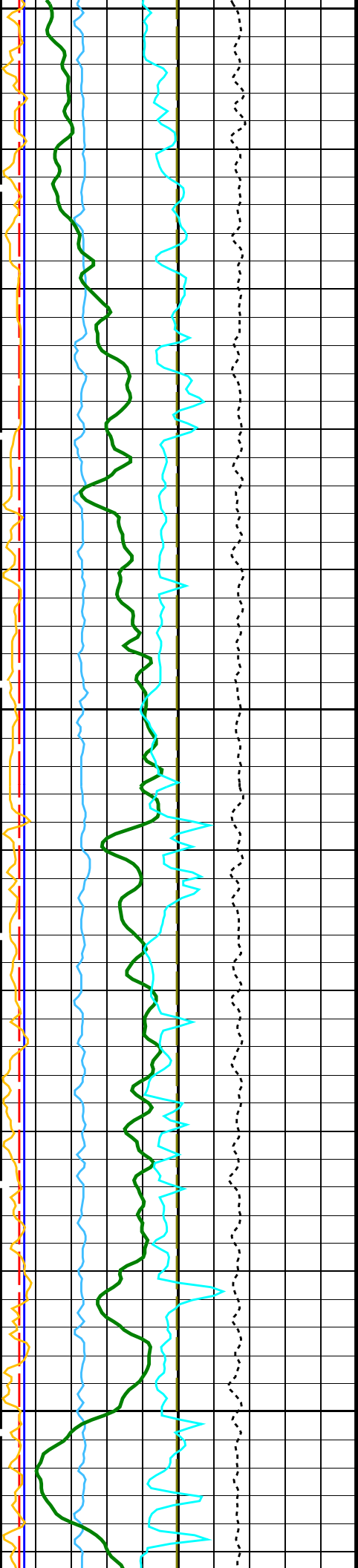


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1850

1875

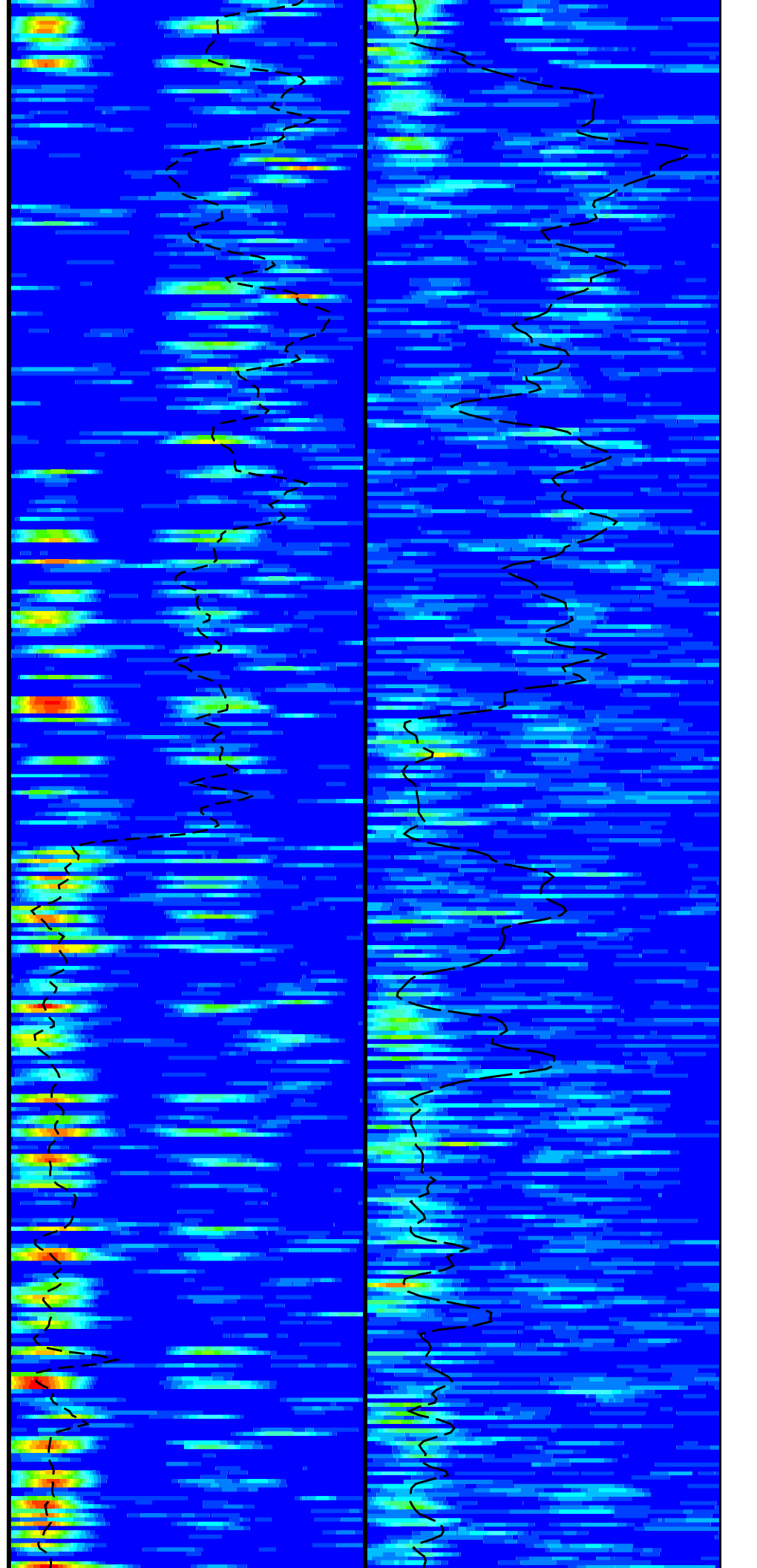


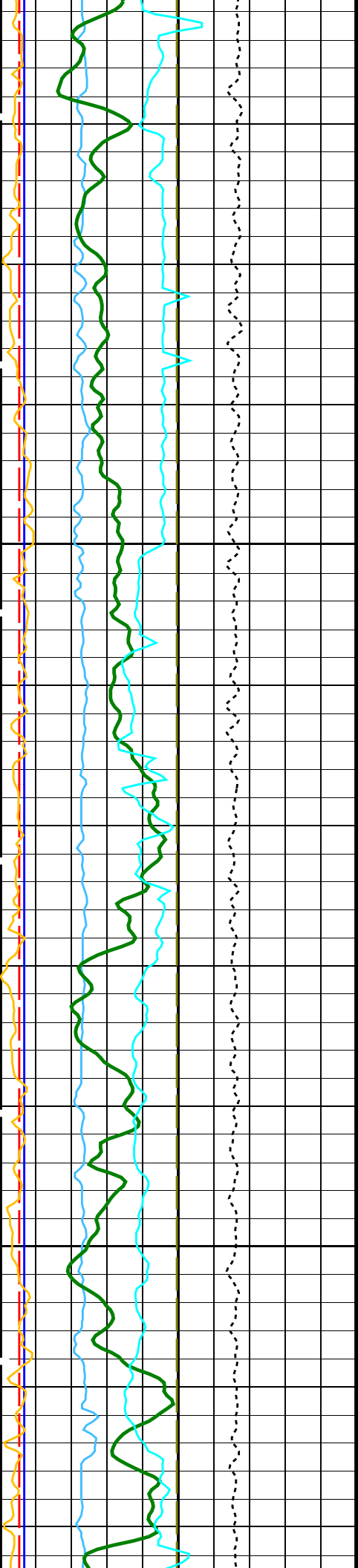


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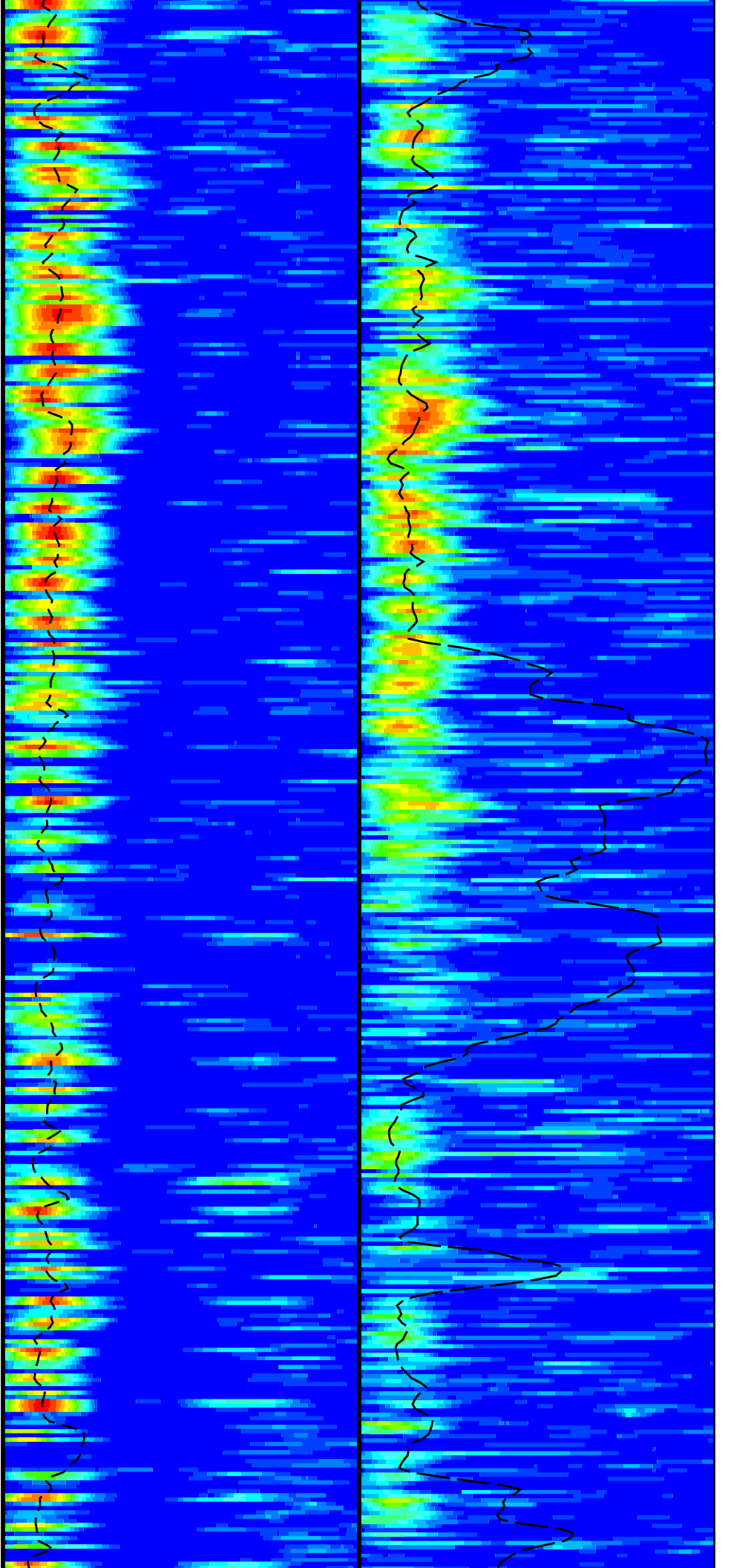
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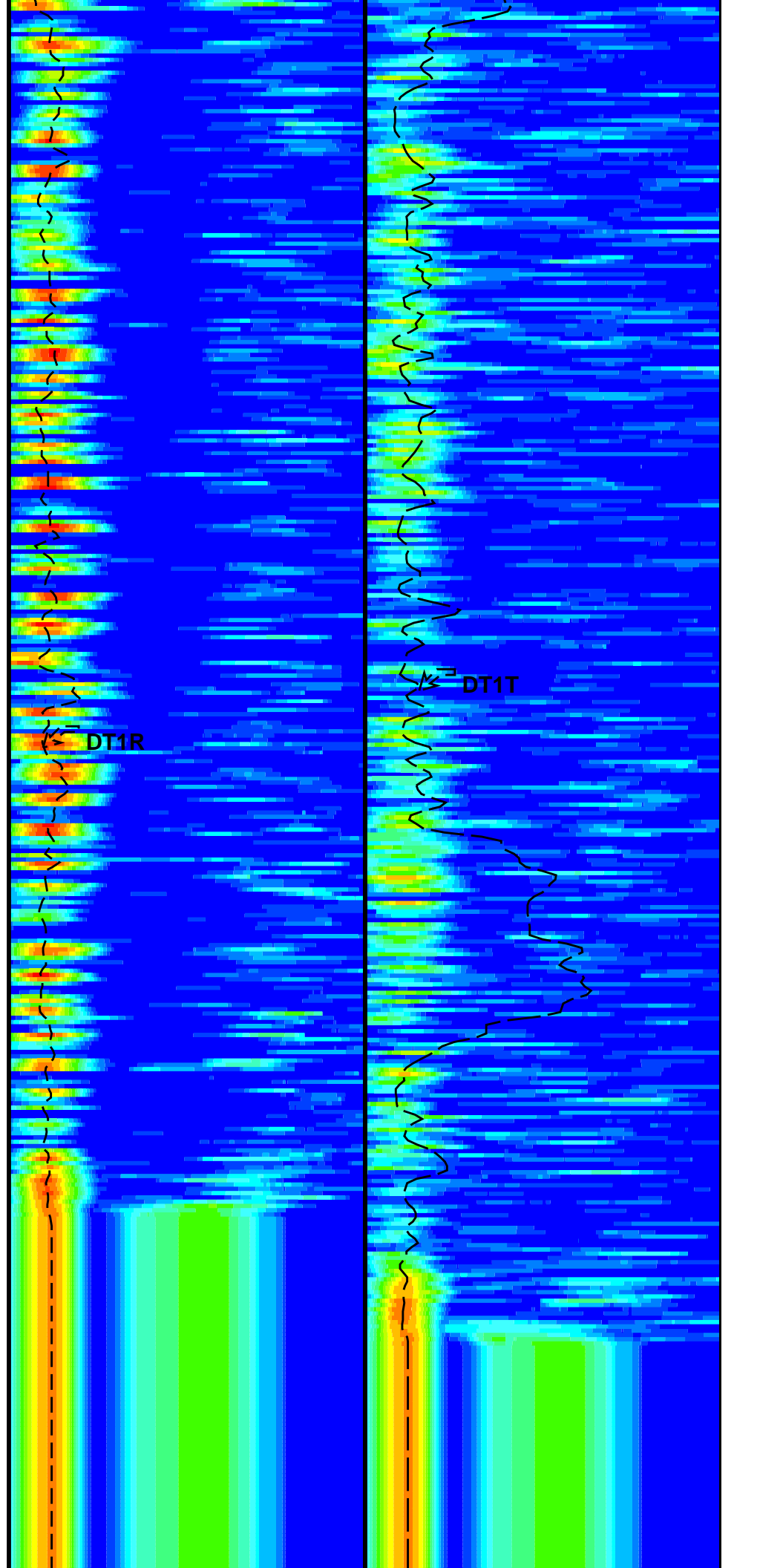
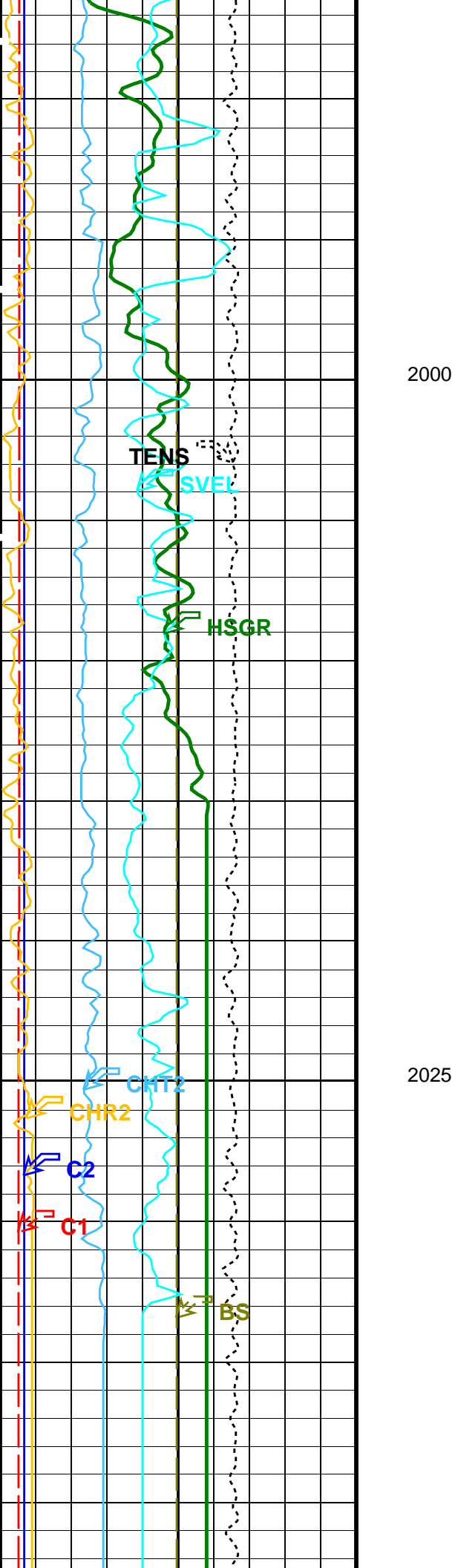


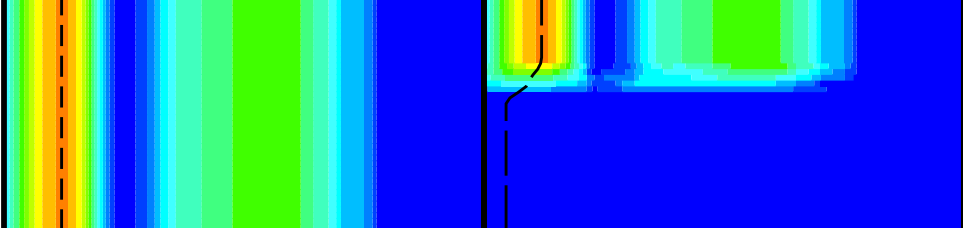
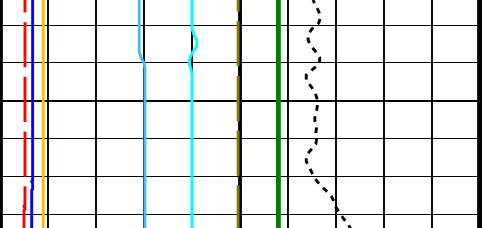


1950

1975







Bit Size (BS)		
0	(IN)	20
Caliper 1 (C1)		
0	(IN)	20
Caliper 2 (C2)		
0	(IN)	20
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Tension (TENS)		
10000	(LBF)	0
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(----)	10
Peak Coherence / TA – Upper Dipole (CHT2)		
-2	(----)	8
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

Delta-T Shear / RA – Lower Dipole (DT1R)			Delta-T Shear / TA – Lower Dipole (DT1T)		
40	(US/F)	1400	40	(US/F)	1400
Min Amplitude Max			Min Amplitude Max		
Rec.Array L.Dipole Slow Proj. CVDL (SPR1)			Tr.Array L.Dipole Slow Proj. CVDL (SPT1)		
40	(US/F)	1400	40	(US/F)	1400

[Download](#)

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
DDE1	Digitizing Delay 1	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source – Dipole Shear	USE
DSHL	Label Slowness Lower Limit – Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1400 US/F
DSI1	Digitizer Sample Interval 1	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCX	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC1	Digitizer Word Count 1	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	BS
LTXG	Lower Dipole Transmitter Geometry	156 IN
NWI1	Number Waveform Items 1	8
NWI2	Number Waveform Items 2	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	LFD_EVEN
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF
SAS1	STC Sonic Array Status – Lower Dipole	255
SAS2	STC Sonic Array Status – Upper Dipole	255

SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SLL1	STC Slowness Lower Limit - Lower Dipole	40	US/F
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL1	STC Slowness Upper Limit - Lower Dipole	1400	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	20440	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWI2	STC Integration Time Window - Upper Dipole	1600	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	-0.00461246	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.32869	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.600308	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: SAM1_BHC Vertical Scale: 1:200 Graphics File Created: 21-Jun-2018 21:20

OP System Version: 19C0-187

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

Input DLIS Files

Flip_LDL_FMS_DSI_046LUP	FN:1	20-Jun-2018 08:49	2048.4 M	1456.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_065PUP	FN:82	PRODUCER	21-Jun-2018 21:20
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Company: International Ocean Discovery Program Well: Expedition 376, Site U1530A

Input DLIS Files

Flip_LDL_FMS_DSI_046LUP	FN:1	20-Jun-2018 08:49	2048.4 M	1456.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_065PUP	FN:82	PRODUCER	21-Jun-2018 21:20	2048.4 M	1456.2 M
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OP System Version: 19C0-187

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

PIP SUMMARY

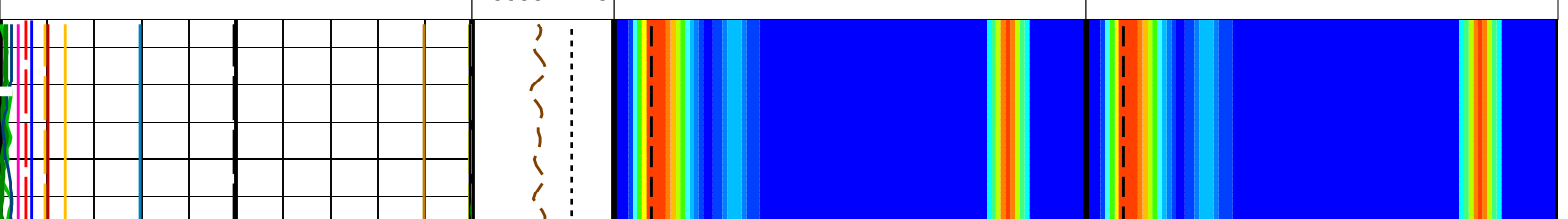
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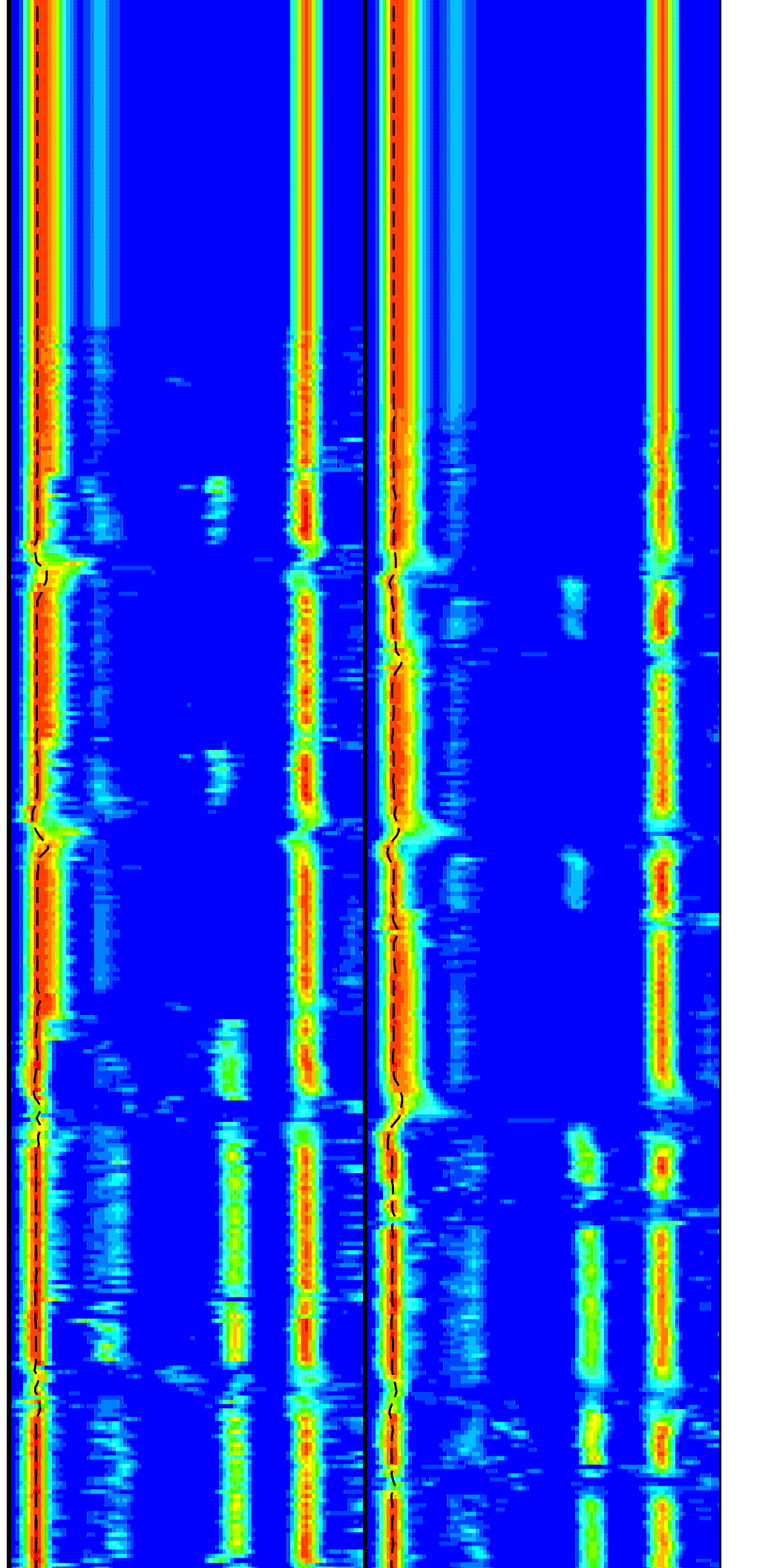
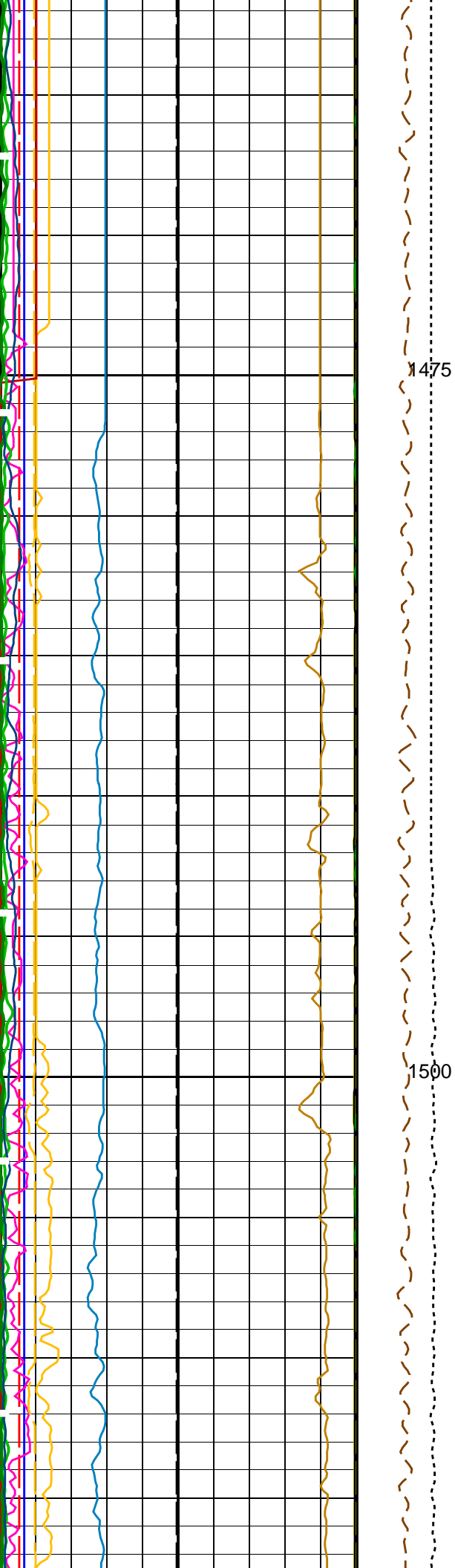
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----)	10
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / RA - P & S Comp (CHRP)		
0	(----)	10
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Gamma Ray (GR_EDTC)		
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

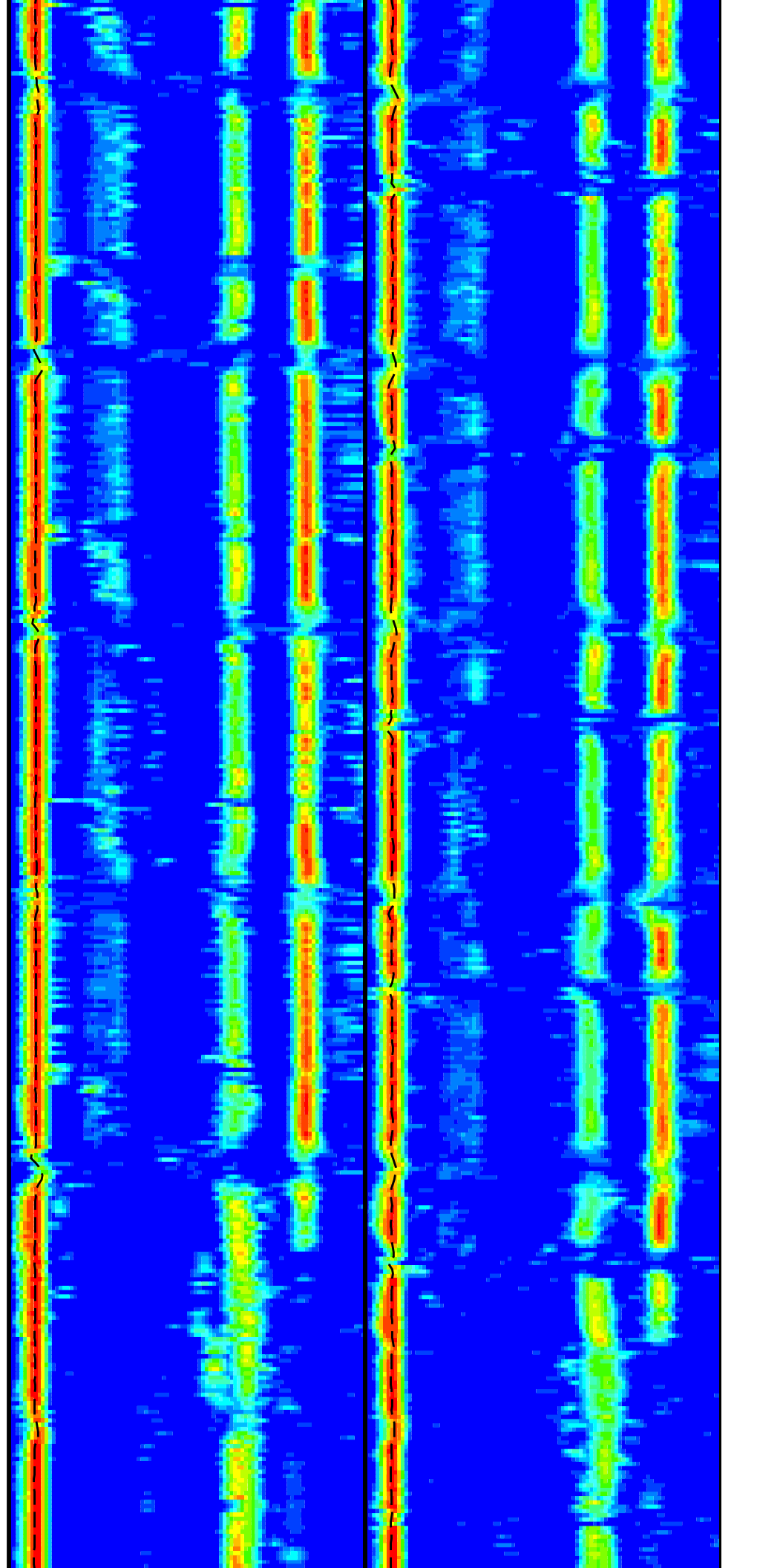
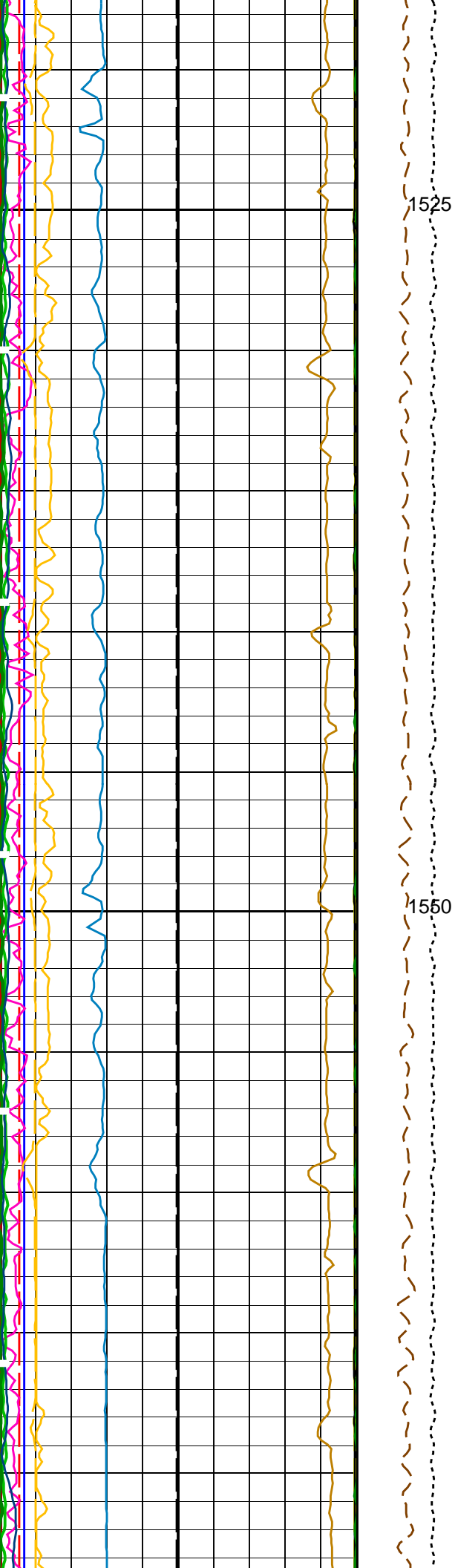
Downlog

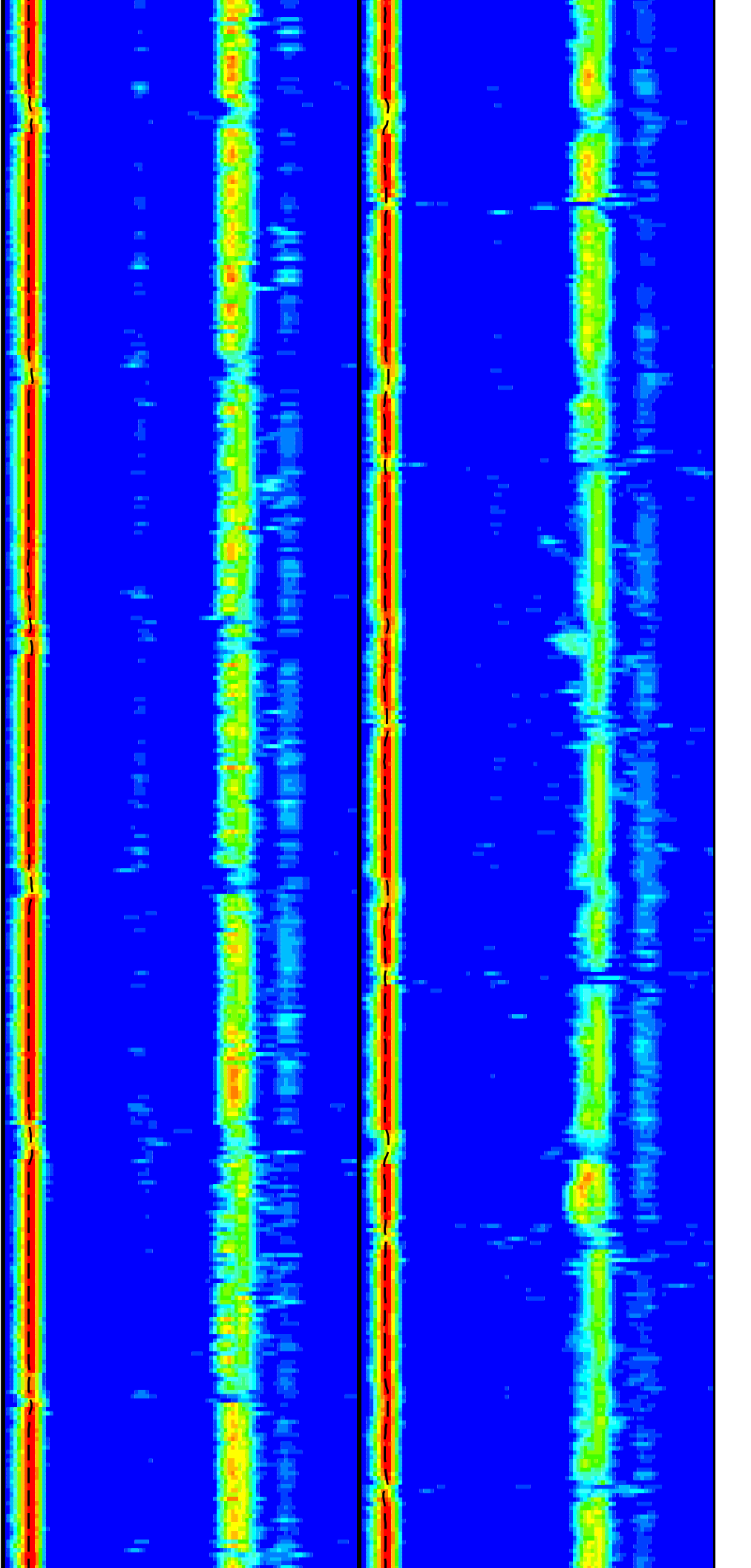
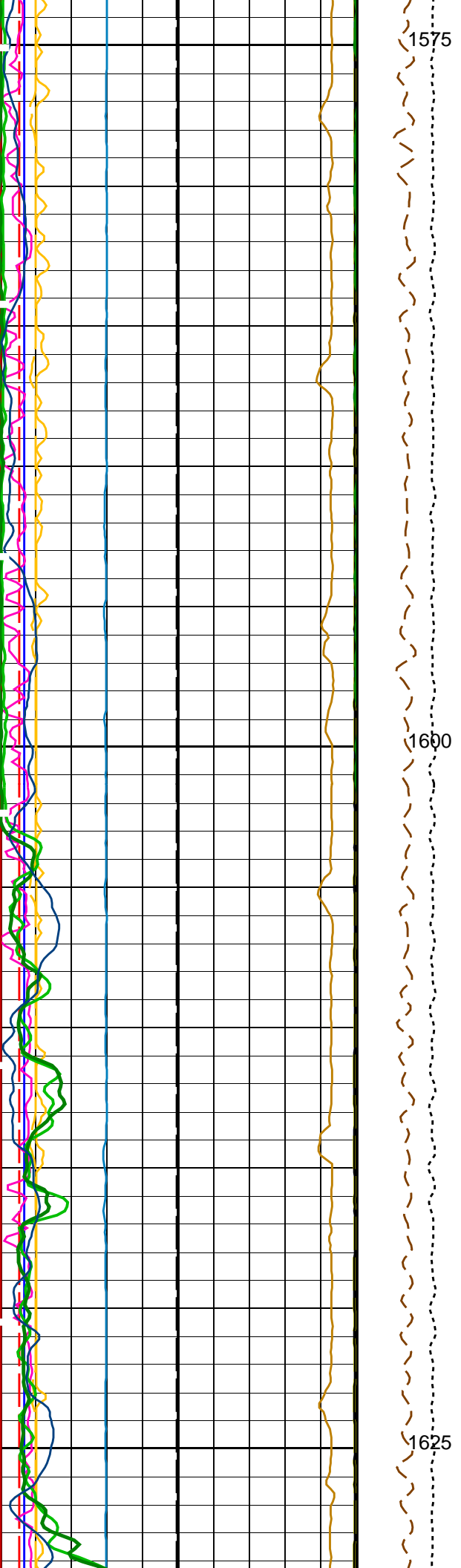
Caliper 2 (C2)		
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Bit Size (BS)		
0	(IN)	20

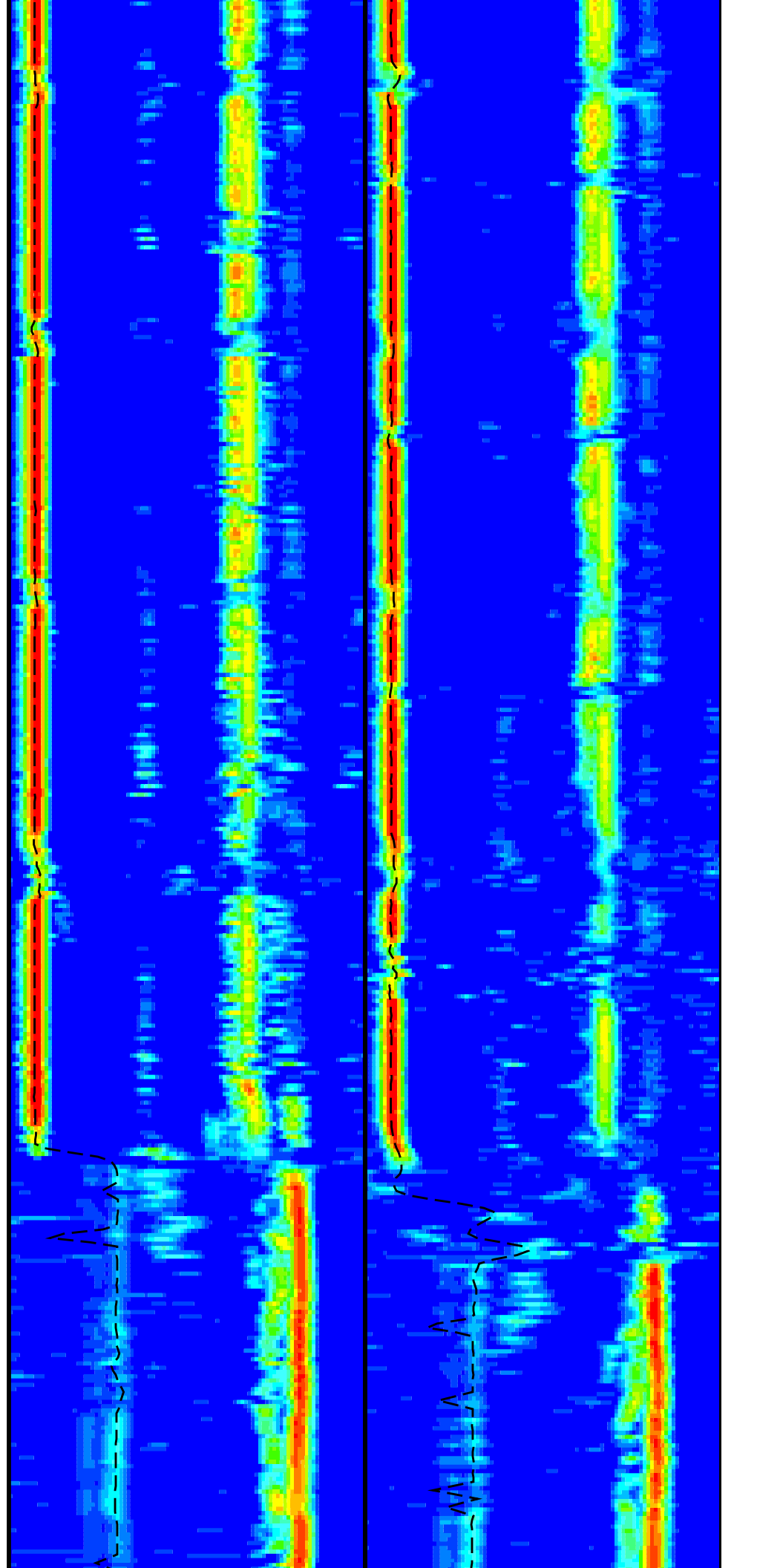
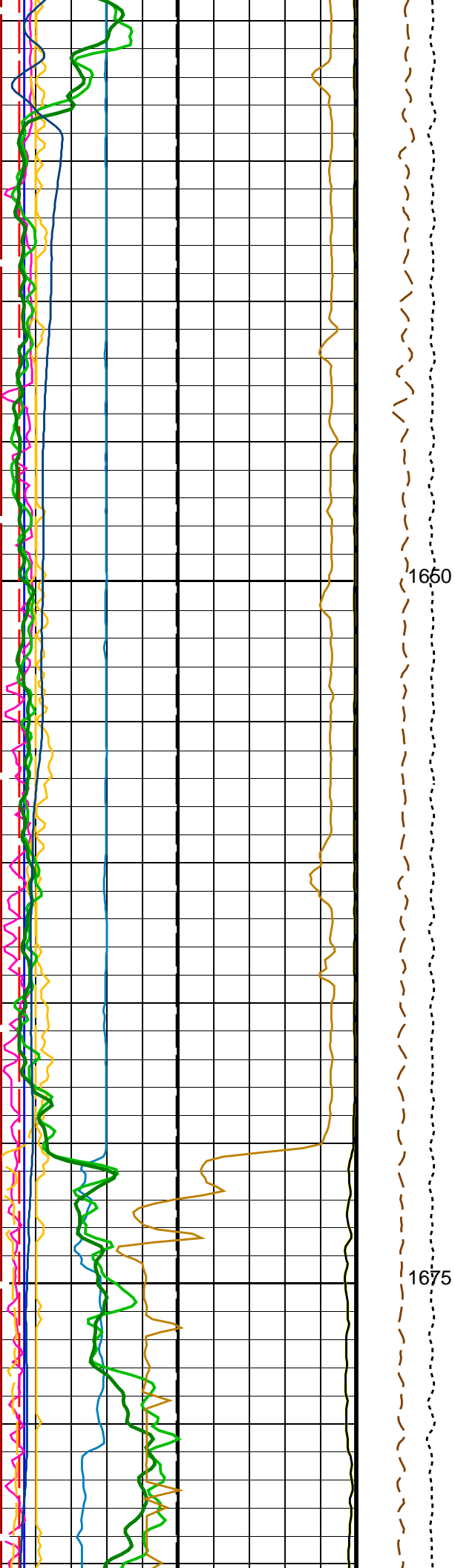
Calibrated Downhole Force (CDF) (LBF) 3000 0	Tension (TENS) (LBF) 10000 0	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Min</td> <td style="text-align: center;">Amplitude</td> <td style="text-align: center;">Max</td> </tr> <tr> <td style="text-align: center;">40</td> <td style="text-align: center;">(US/F)</td> <td style="text-align: center;">240</td> </tr> </table> </td> <td style="width: 50%;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Min</td> <td style="text-align: center;">Amplitude</td> <td style="text-align: center;">Max</td> </tr> <tr> <td style="text-align: center;">40</td> <td style="text-align: center;">(US/F)</td> <td style="text-align: center;">240</td> </tr> </table> </td> </tr> <tr> <td style="border-right: 1px solid black;"> Rec.Array P&S Slow Proj. CVDL (SPR4) </td> <td> Tr.Array P&S Slow Proj. CVDL (SPT4) </td> </tr> <tr> <td style="border-right: 1px solid black;"> Delta-T Comp / RA - P & S (DTRP) </td> <td> Delta-T Comp / TA - P & S (DTTP) </td> </tr> <tr> <td style="border-right: 1px solid black;"> 40 (US/F) 240 </td> <td> 40 (US/F) 240 </td> </tr> </table>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Min</td> <td style="text-align: center;">Amplitude</td> <td style="text-align: center;">Max</td> </tr> <tr> <td style="text-align: center;">40</td> <td style="text-align: center;">(US/F)</td> <td style="text-align: center;">240</td> </tr> </table>	Min	Amplitude	Max	40	(US/F)	240	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Min</td> <td style="text-align: center;">Amplitude</td> <td style="text-align: center;">Max</td> </tr> <tr> <td style="text-align: center;">40</td> <td style="text-align: center;">(US/F)</td> <td style="text-align: center;">240</td> </tr> </table>	Min	Amplitude	Max	40	(US/F)	240	Rec.Array P&S Slow Proj. CVDL (SPR4)	Tr.Array P&S Slow Proj. CVDL (SPT4)	Delta-T Comp / RA - P & S (DTRP)	Delta-T Comp / TA - P & S (DTTP)	40 (US/F) 240	40 (US/F) 240
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Min</td> <td style="text-align: center;">Amplitude</td> <td style="text-align: center;">Max</td> </tr> <tr> <td style="text-align: center;">40</td> <td style="text-align: center;">(US/F)</td> <td style="text-align: center;">240</td> </tr> </table>	Min	Amplitude	Max	40	(US/F)	240	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Min</td> <td style="text-align: center;">Amplitude</td> <td style="text-align: center;">Max</td> </tr> <tr> <td style="text-align: center;">40</td> <td style="text-align: center;">(US/F)</td> <td style="text-align: center;">240</td> </tr> </table>	Min	Amplitude	Max	40	(US/F)	240									
Min	Amplitude	Max																				
40	(US/F)	240																				
Min	Amplitude	Max																				
40	(US/F)	240																				
Rec.Array P&S Slow Proj. CVDL (SPR4)	Tr.Array P&S Slow Proj. CVDL (SPT4)																					
Delta-T Comp / RA - P & S (DTRP)	Delta-T Comp / TA - P & S (DTTP)																					
40 (US/F) 240	40 (US/F) 240																					

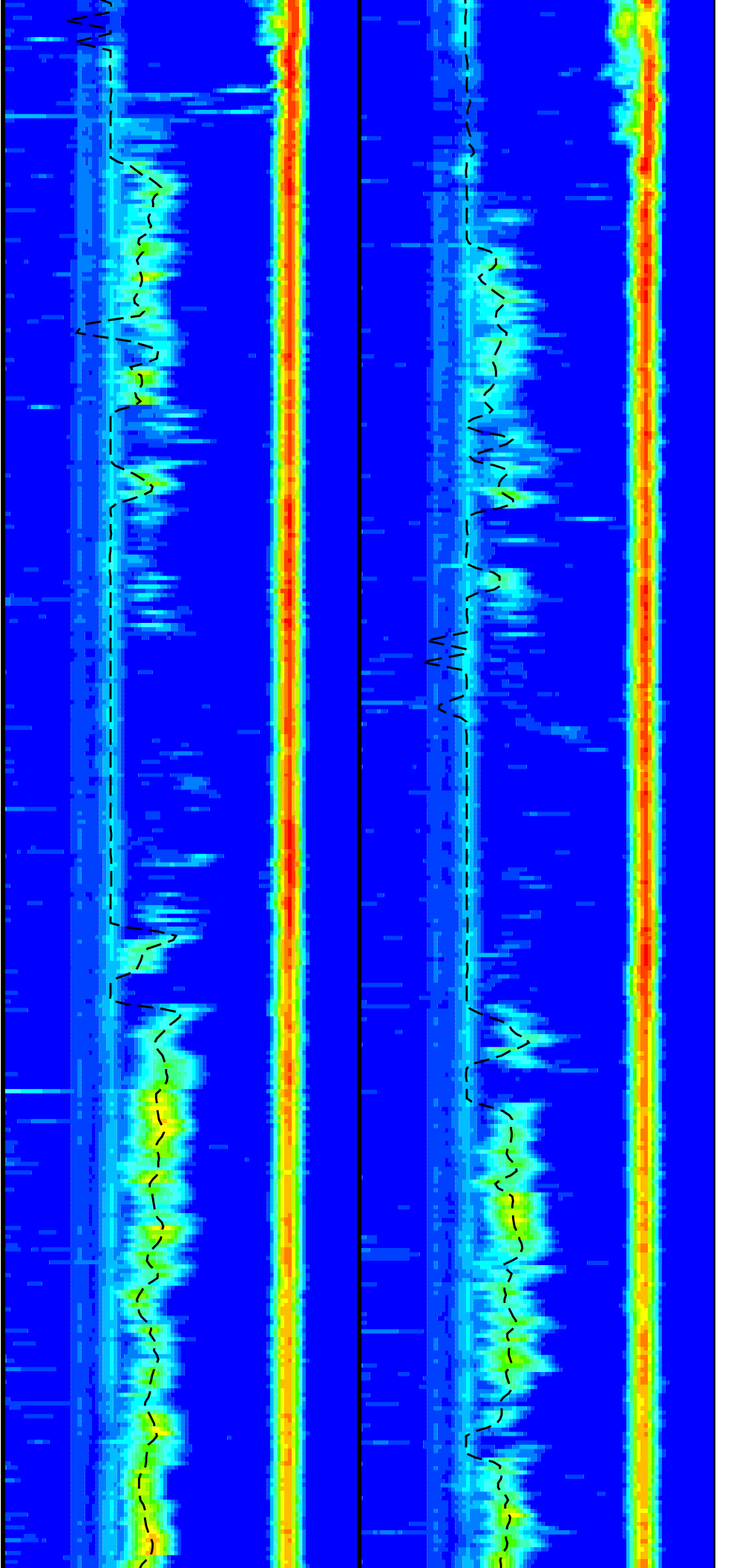
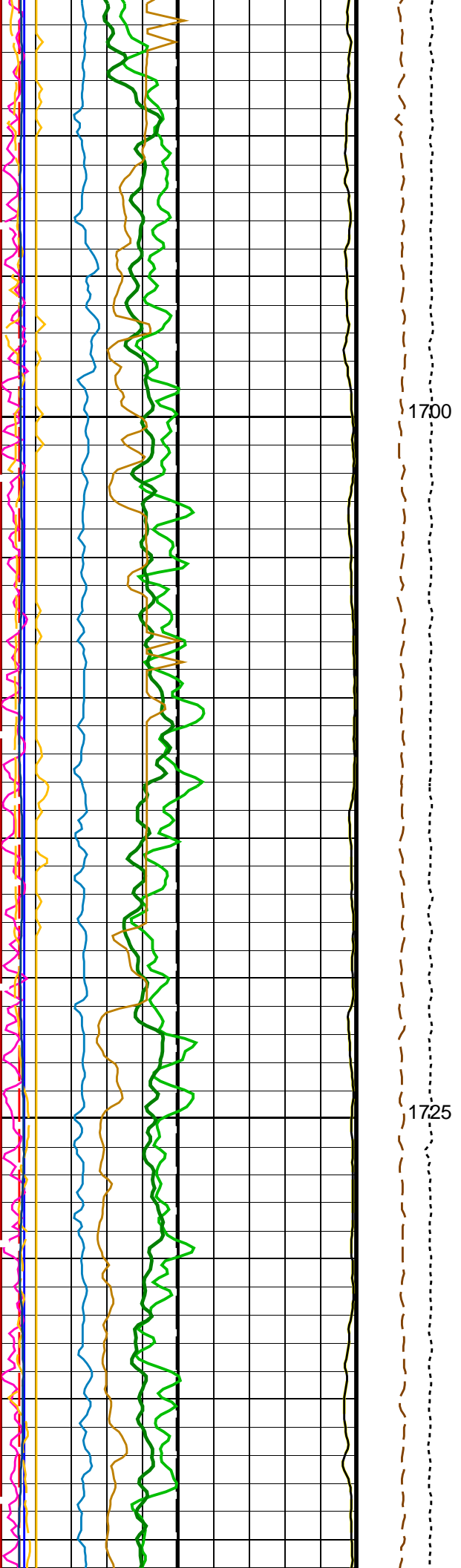


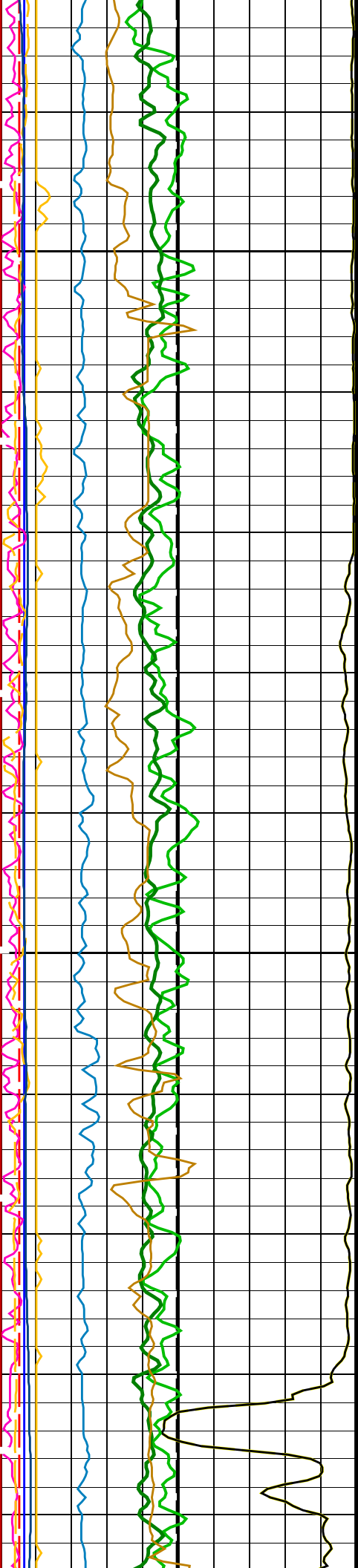






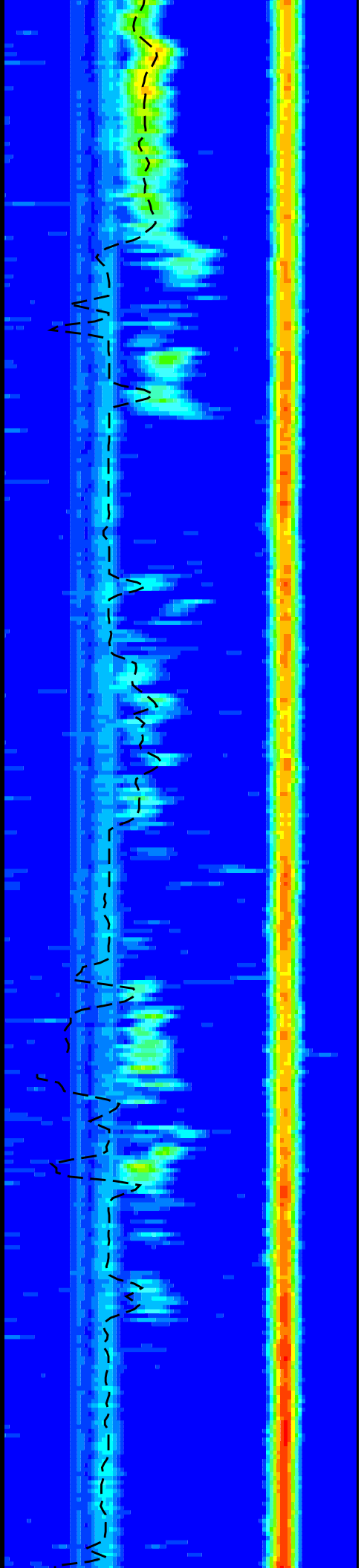
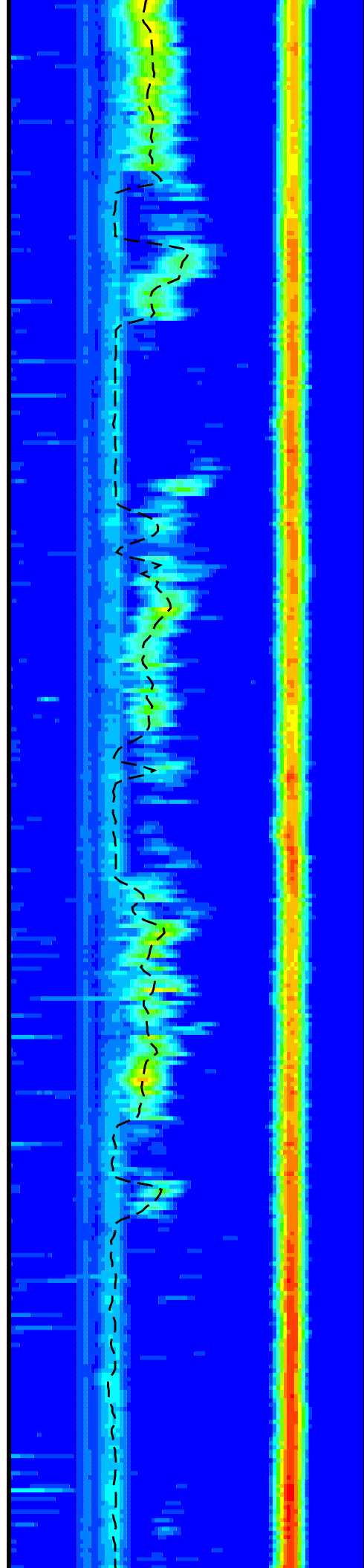


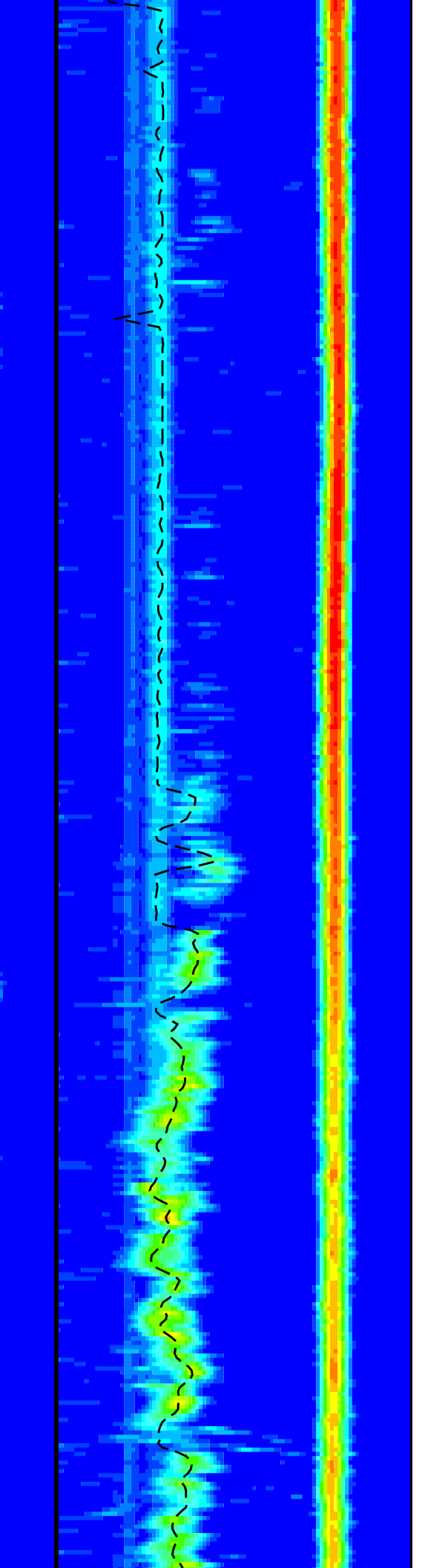
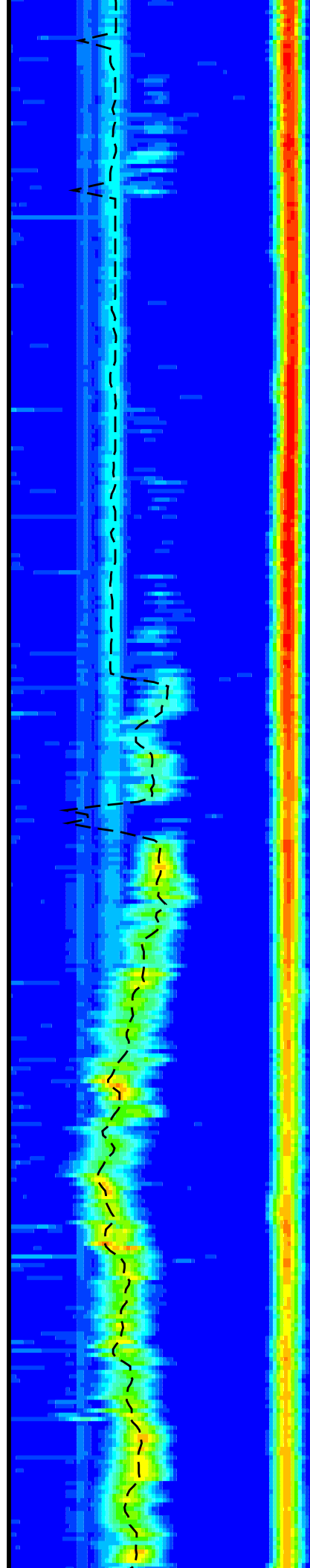
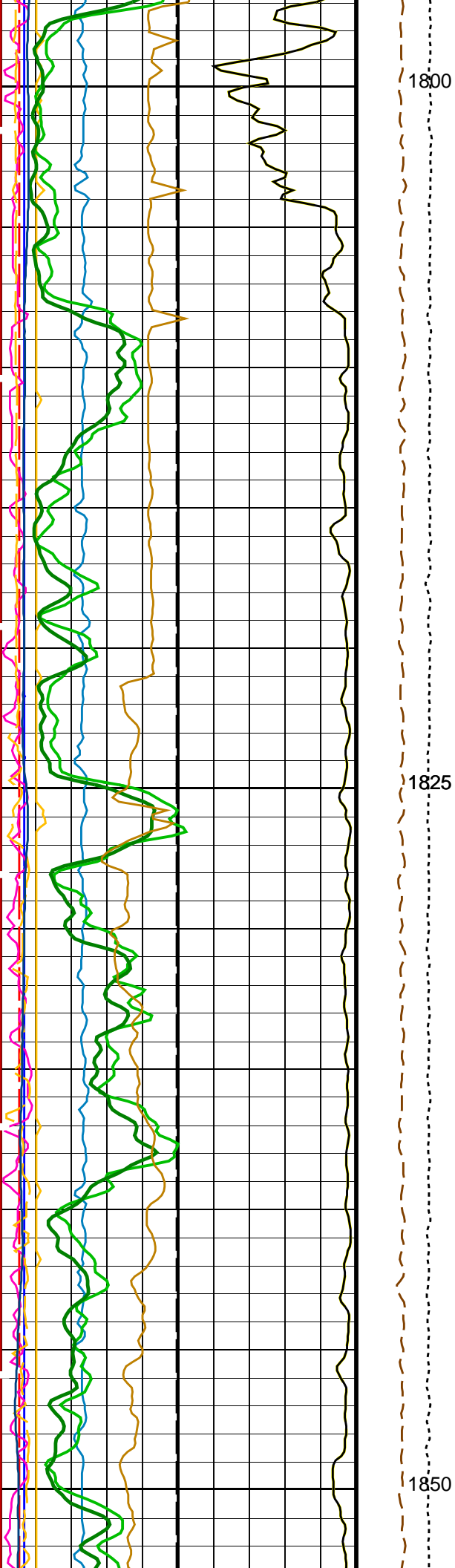


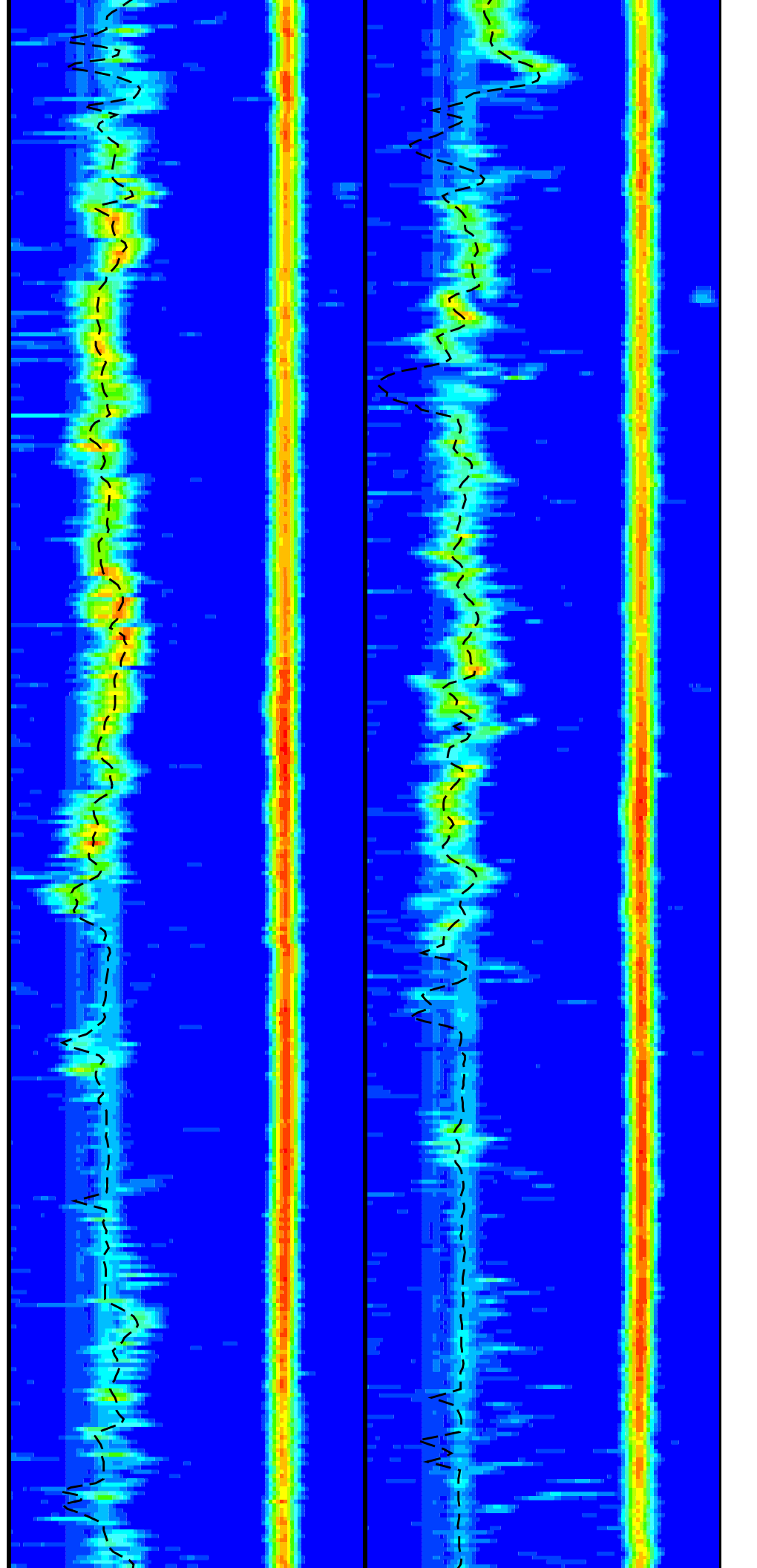
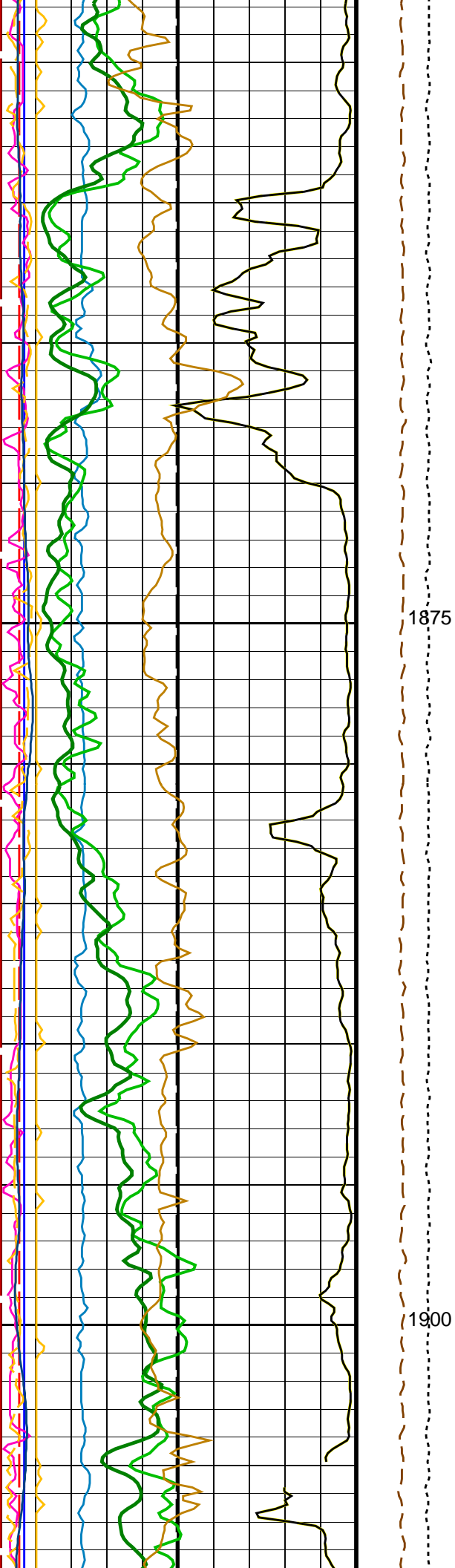


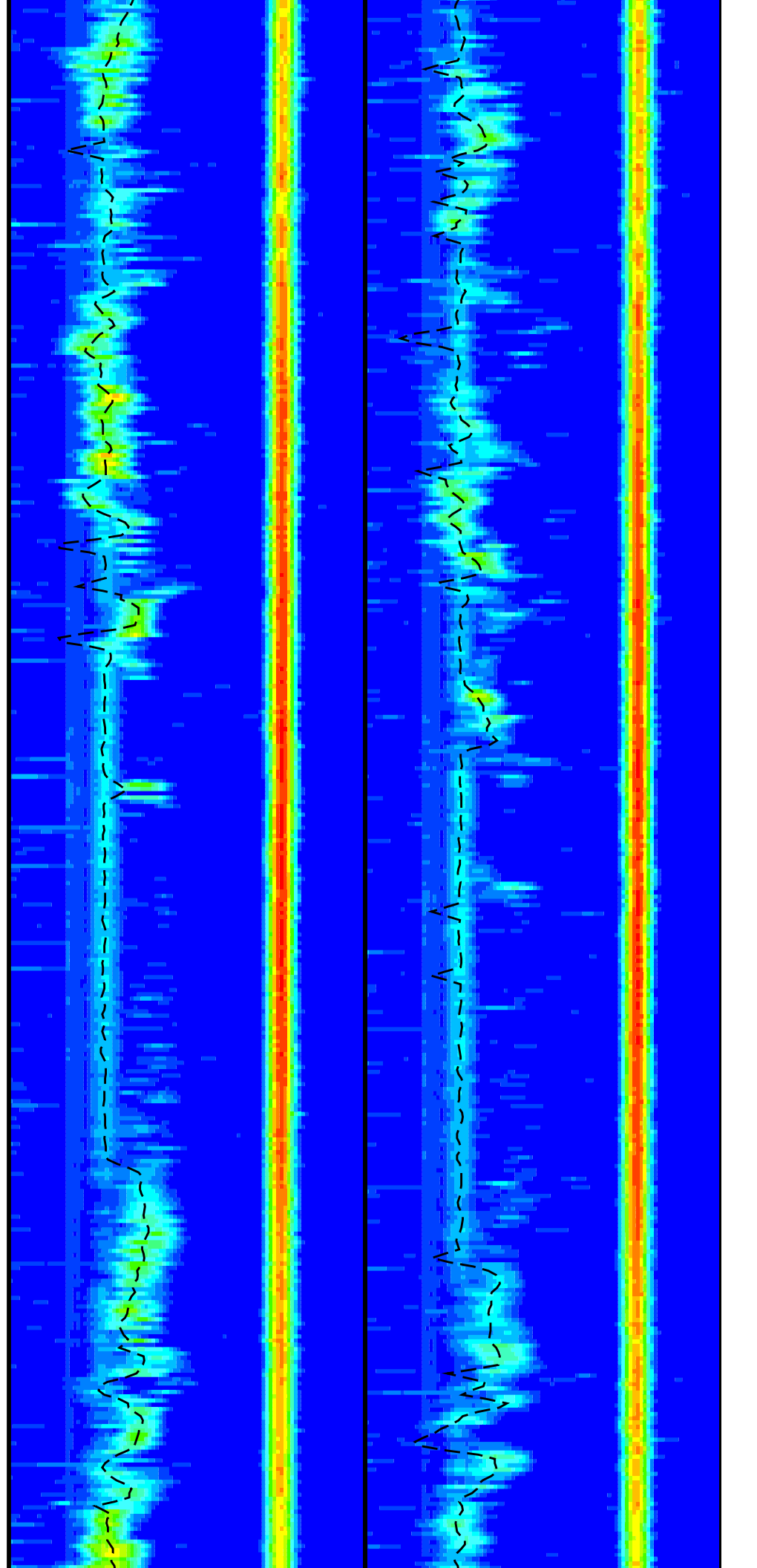
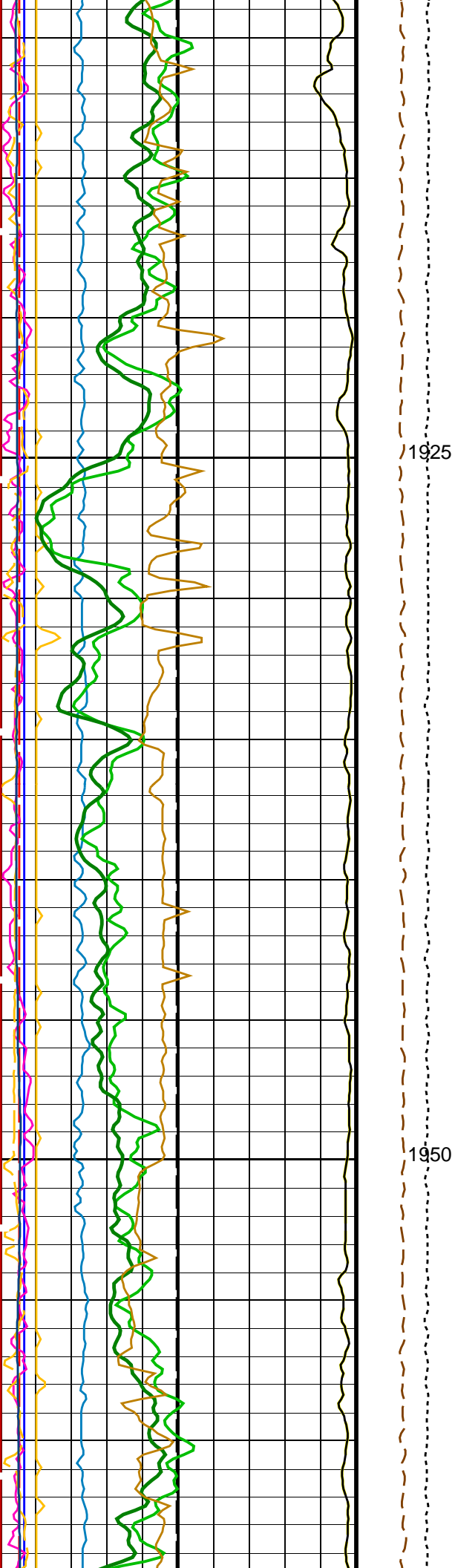
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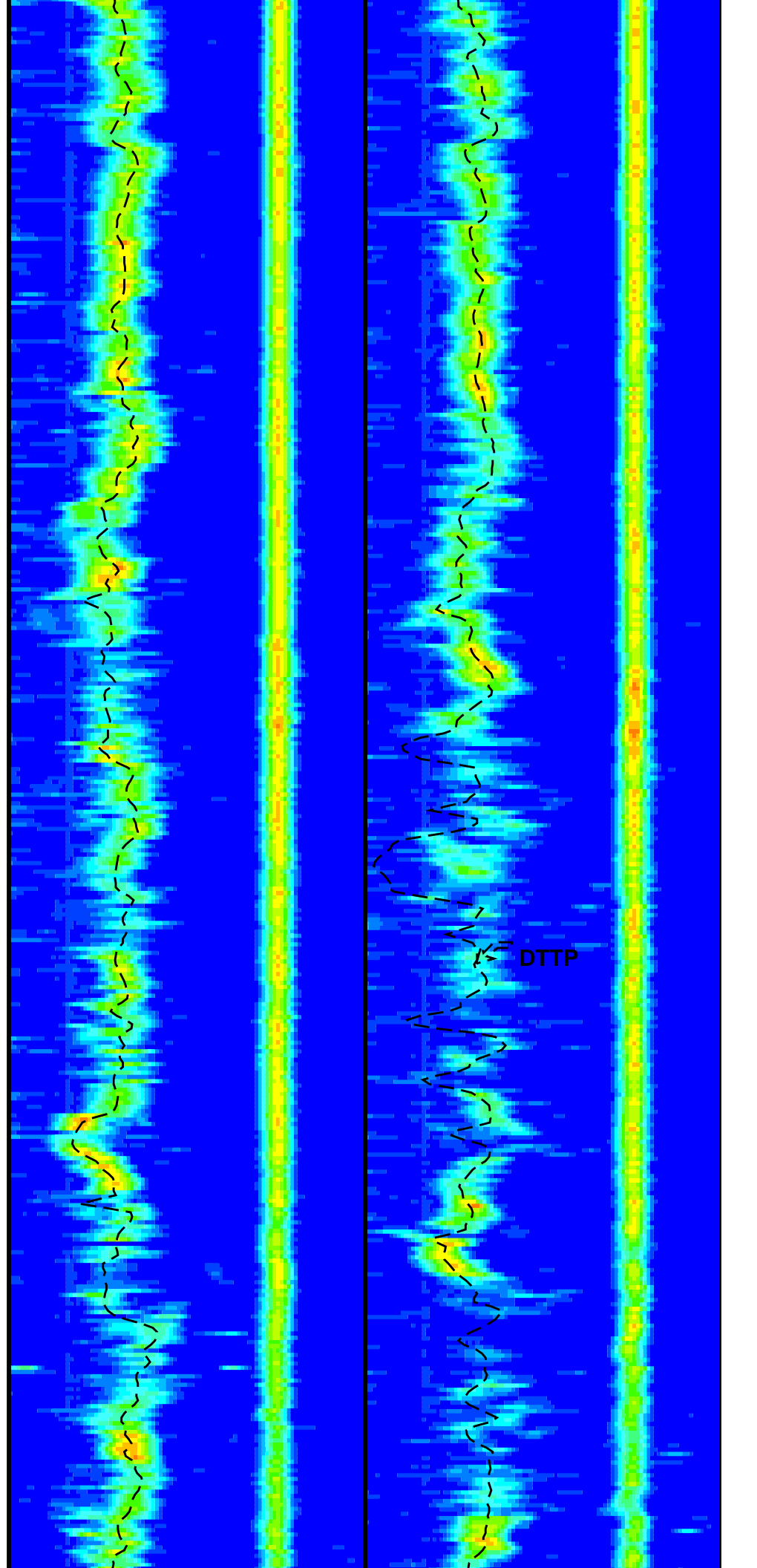
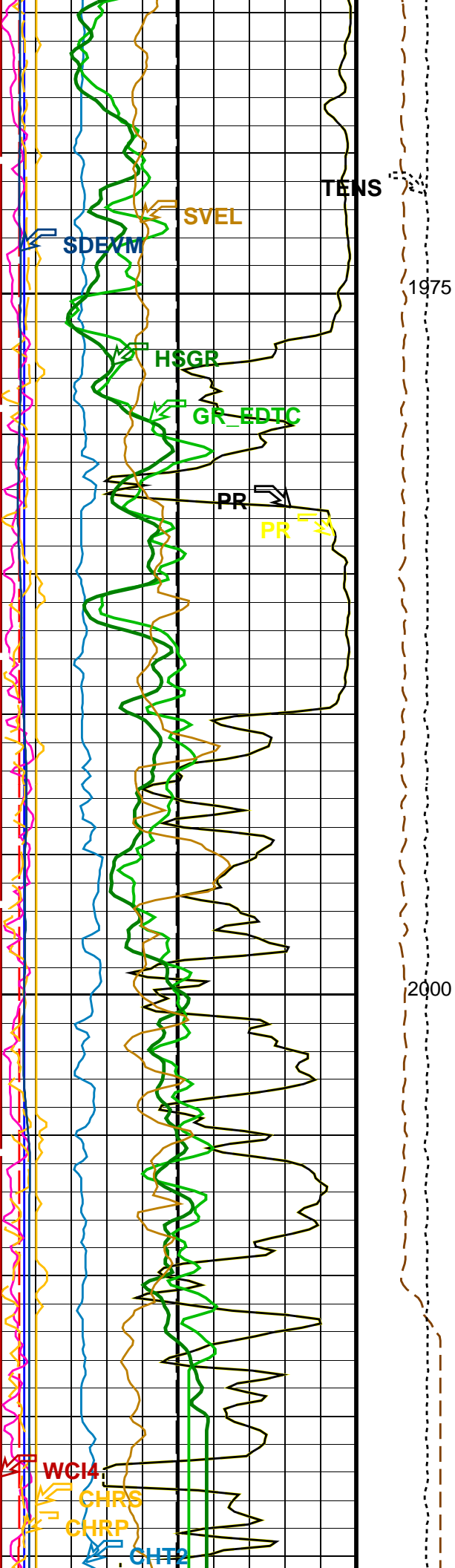
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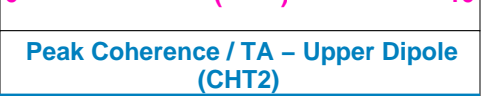
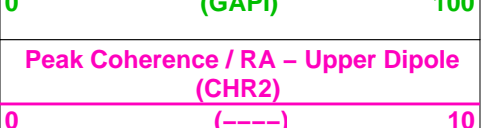
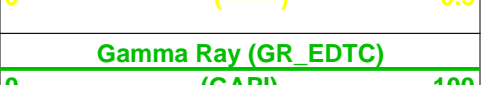
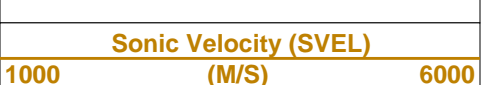
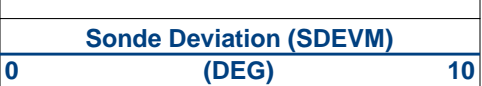
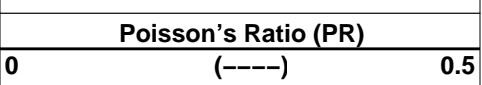
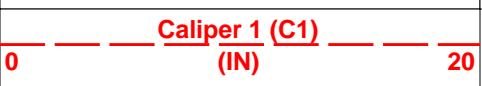
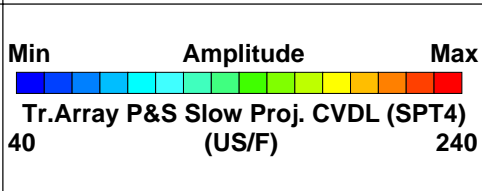
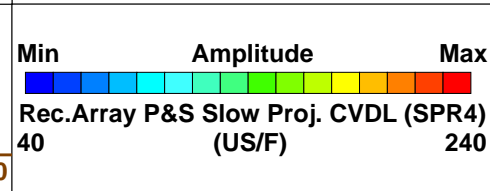
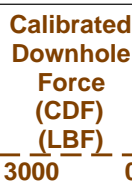
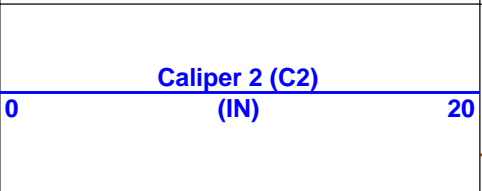
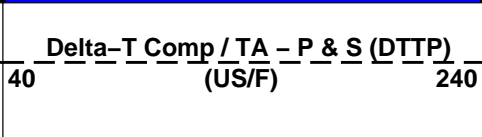
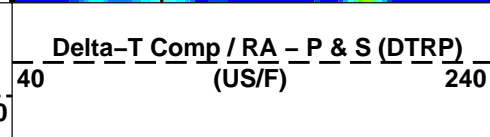
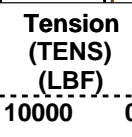
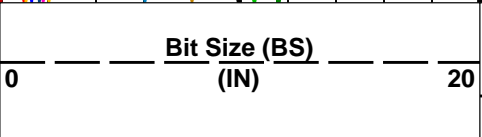
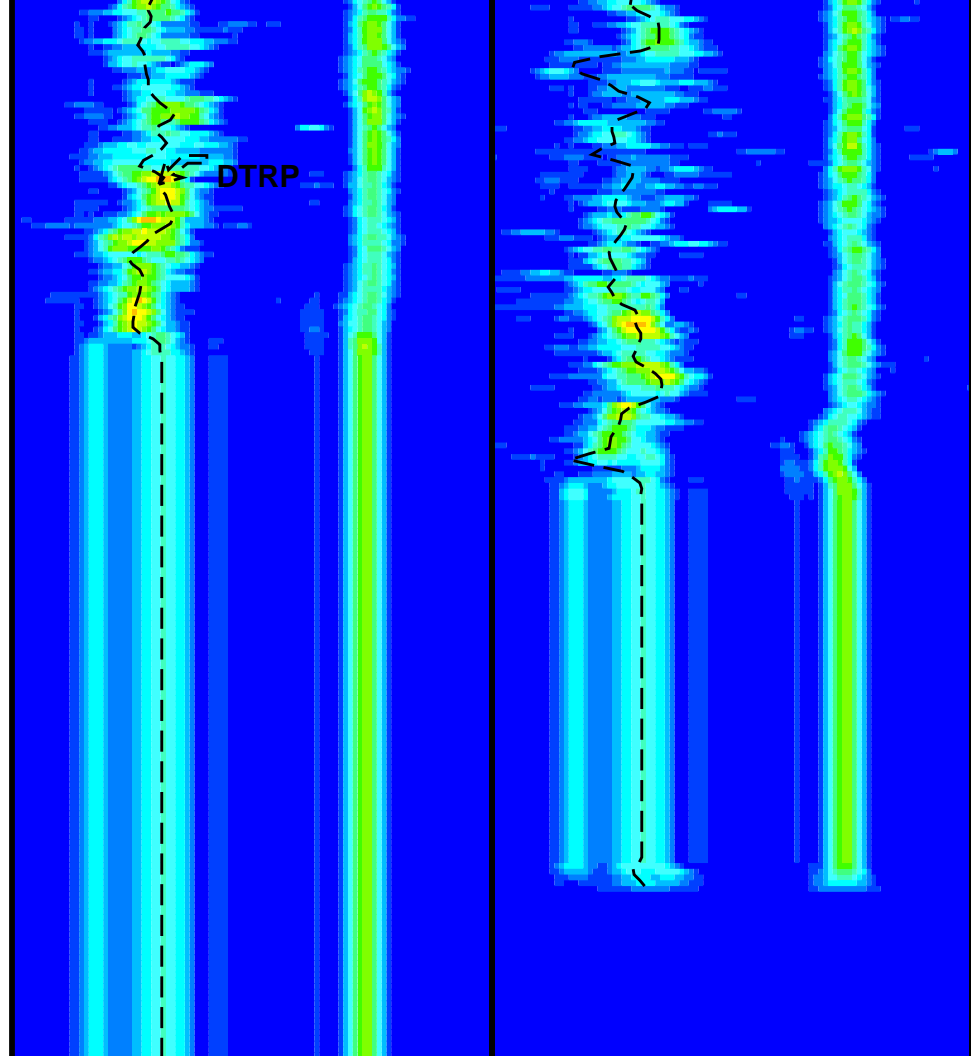
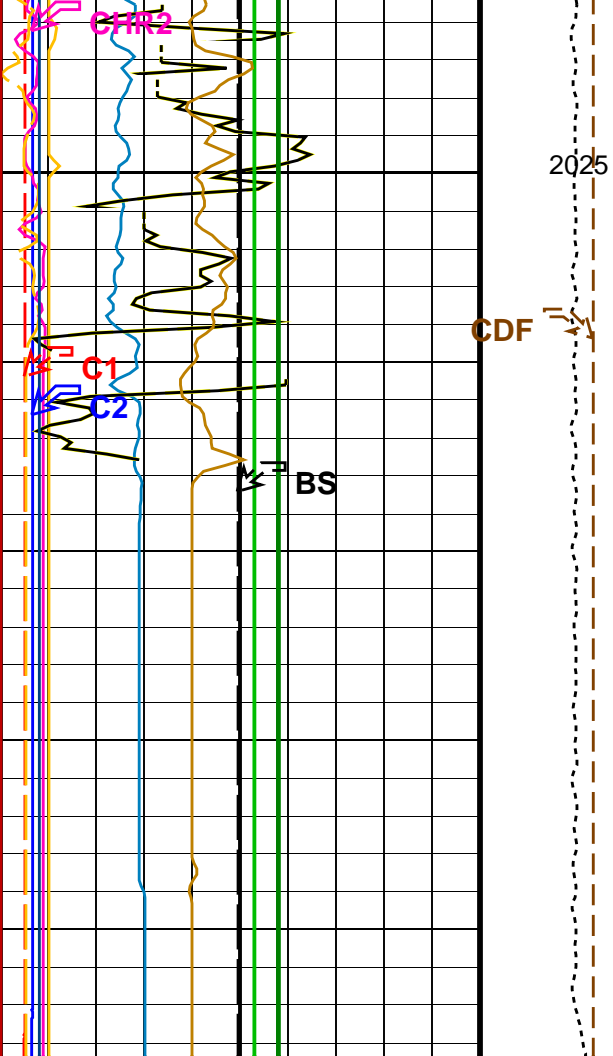












Downlog

-2	(----)	8
Peak Coherence / RA – P & S Comp (CHRP)		
0	(----)	10
Peak Coherence / RA – P & S Shear (CHRS)		
-1	(----)	9
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)		
0	(----)	10
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	18.8286	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	40	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	180	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	40	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1400	US/F
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	189	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	
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
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	
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	75	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	180	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	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	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
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
WFM4	Waveform Mode 4	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	-0.00461246	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.32869	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.600308	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: Sam4_RA_TA_P&S Vertical Scale: 1:200 Graphics File Created: 21–Jun–2018 21:20

OP System Version: 19C0–187

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

Input DLIS Files

Flip_LDL_FMS_DSI_046LUP FN:1 20–Jun–2018 08:49 2048.4 M 1456.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_065PUP FN:82 PRODUCER 21–Jun–2018 21:20

Company: International Ocean Discovery Program Well: Expedition 376, Site U1530A

Input DLIS Files

21–Jun–2018 16:47

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_055PUP FN:72 PRODUCER 21–Jun–2018 17:26 2048.3 M 1721.1 M

OP System Version: 19C0–187

HLDS 19C0-187
 DTA-A-8453 19C0-187
 HNCC-B 19C0-187
 EDTC-B SKK-5169-EDTCB

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

PIP SUMMARY

Time Mark Every 60 S

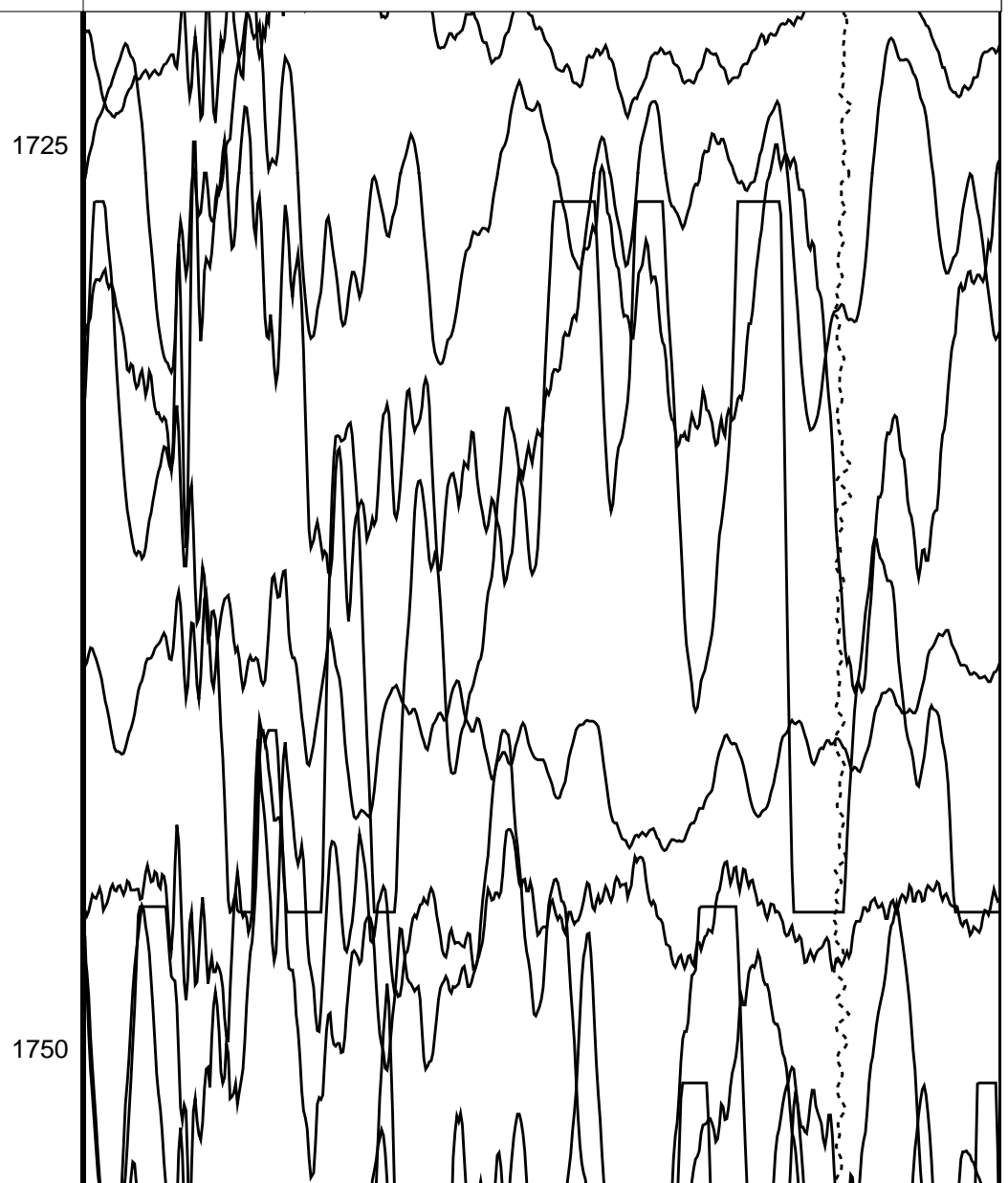
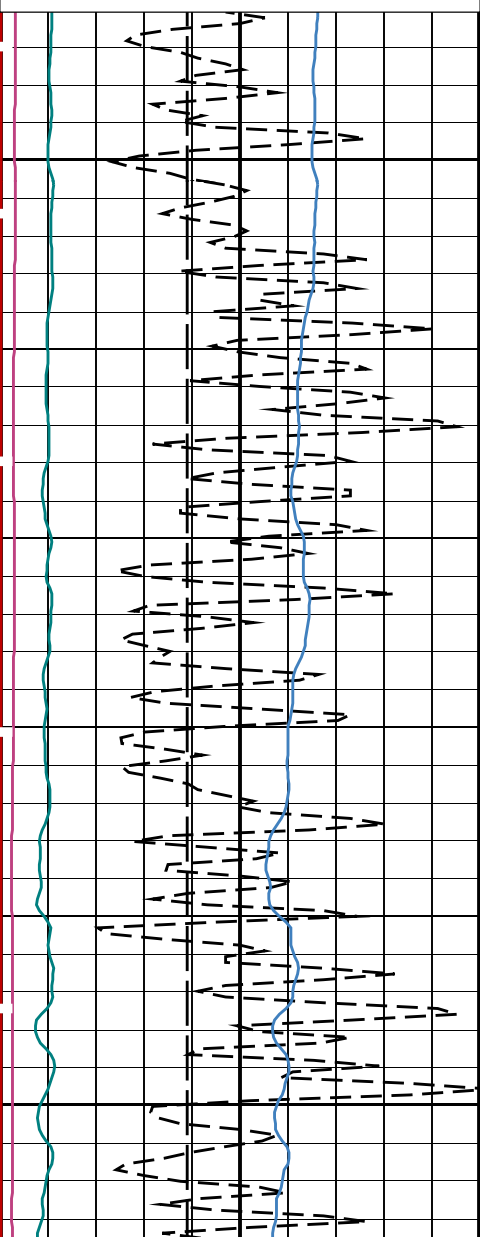
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0	(DEG)	100
Relative Bearing at DSST Waveform Depth (RBWD)		
0	(DEG)	400
Azimuth at DSST Waveform Depth (AZWD)		
0	(DEG)	400
Waveform Data Copy Indicator X - Expert (WCIX)		
0	(----)	10
SAMX Waveform Gain (WFGX)		
0	(----)	1000
Bit Size (BS)		
6	(IN)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

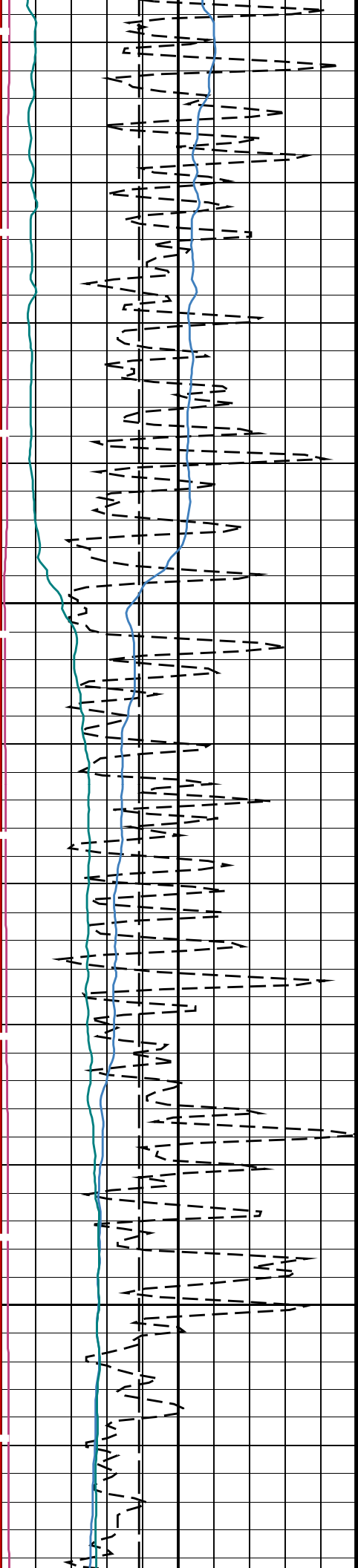
SAMX BCR

Uplog 1

Tension (TENS)
 10000 (LBF) 0

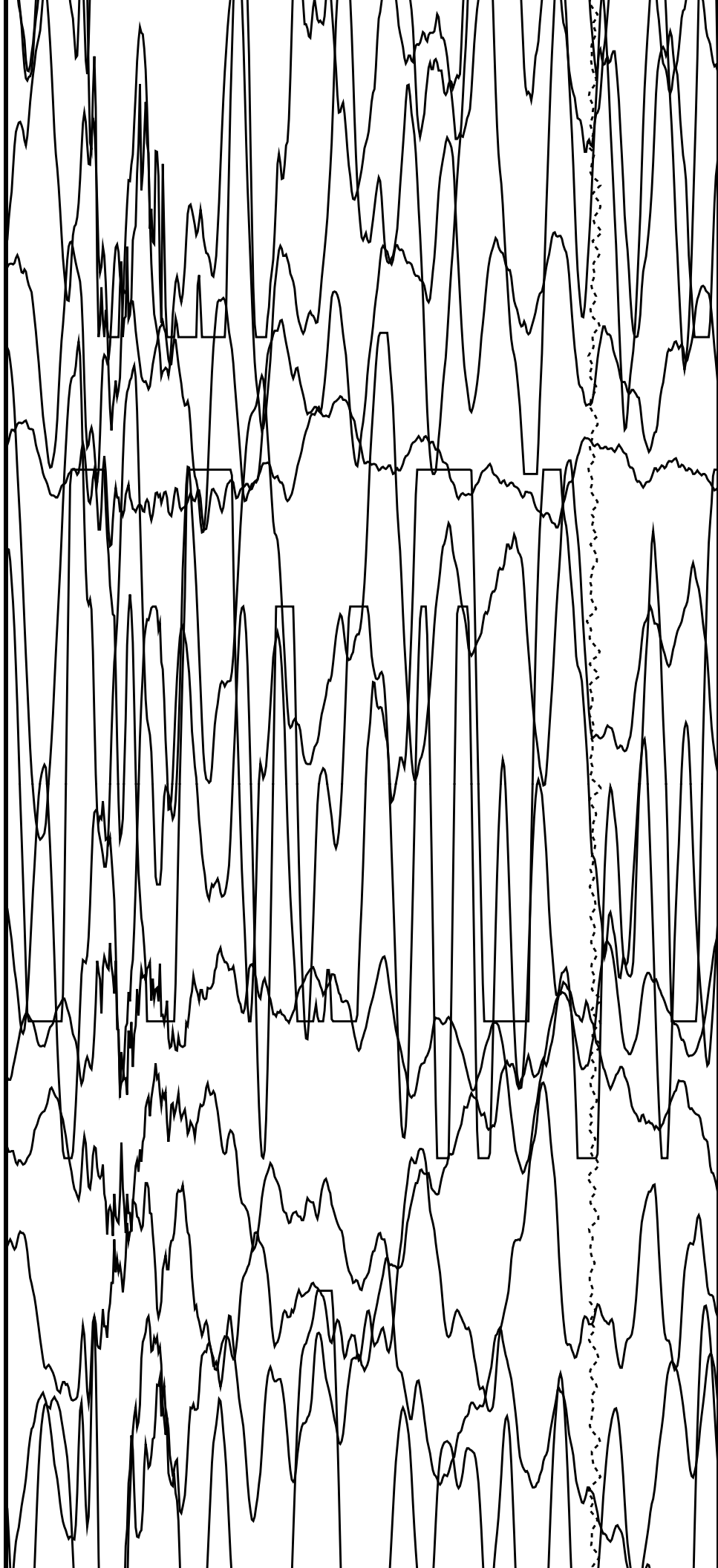
SAMX Waveforms (WFX)
 0 (US) 20000

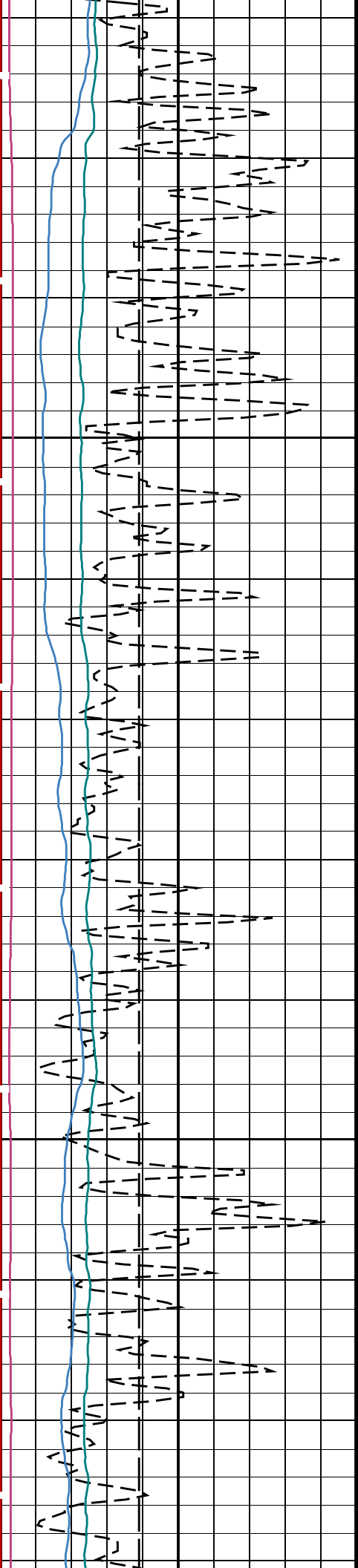




1775

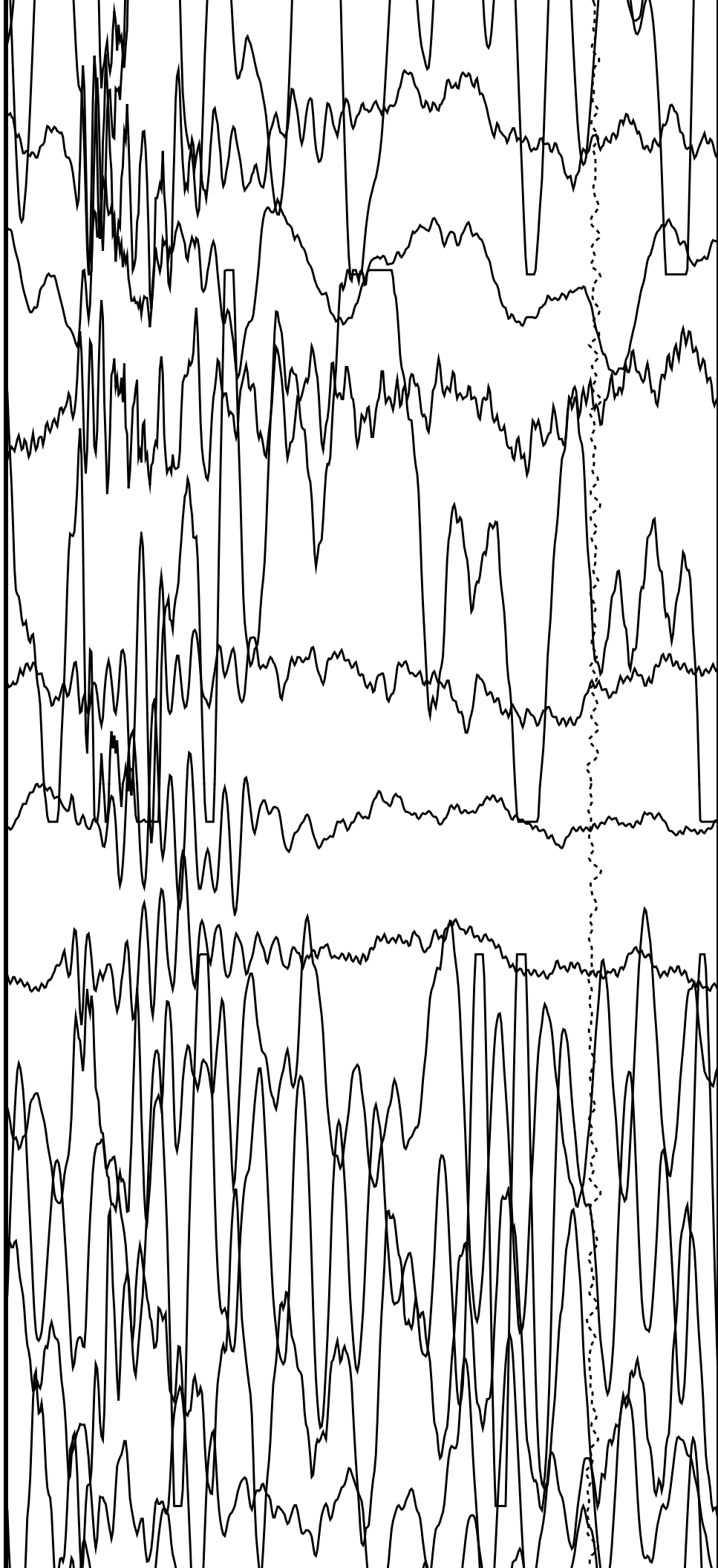
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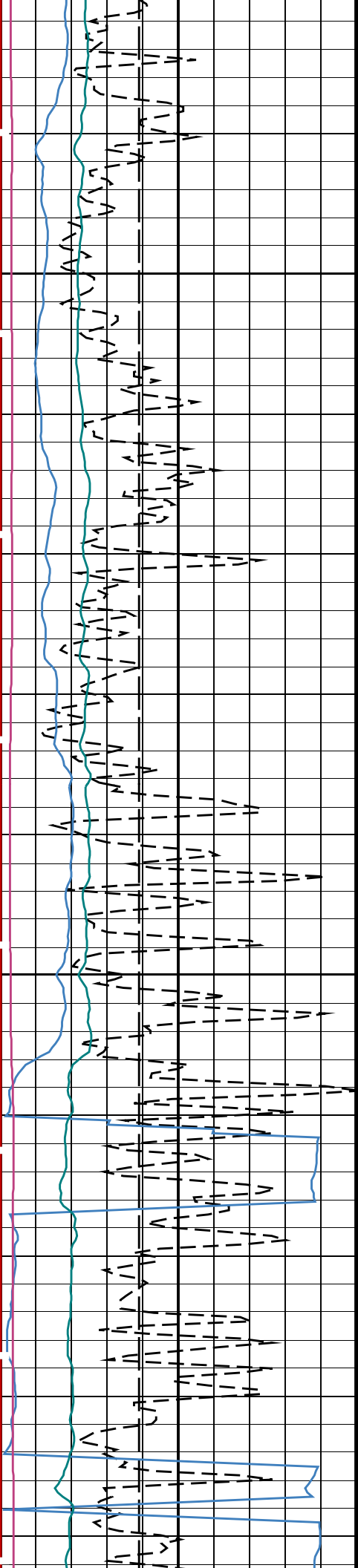




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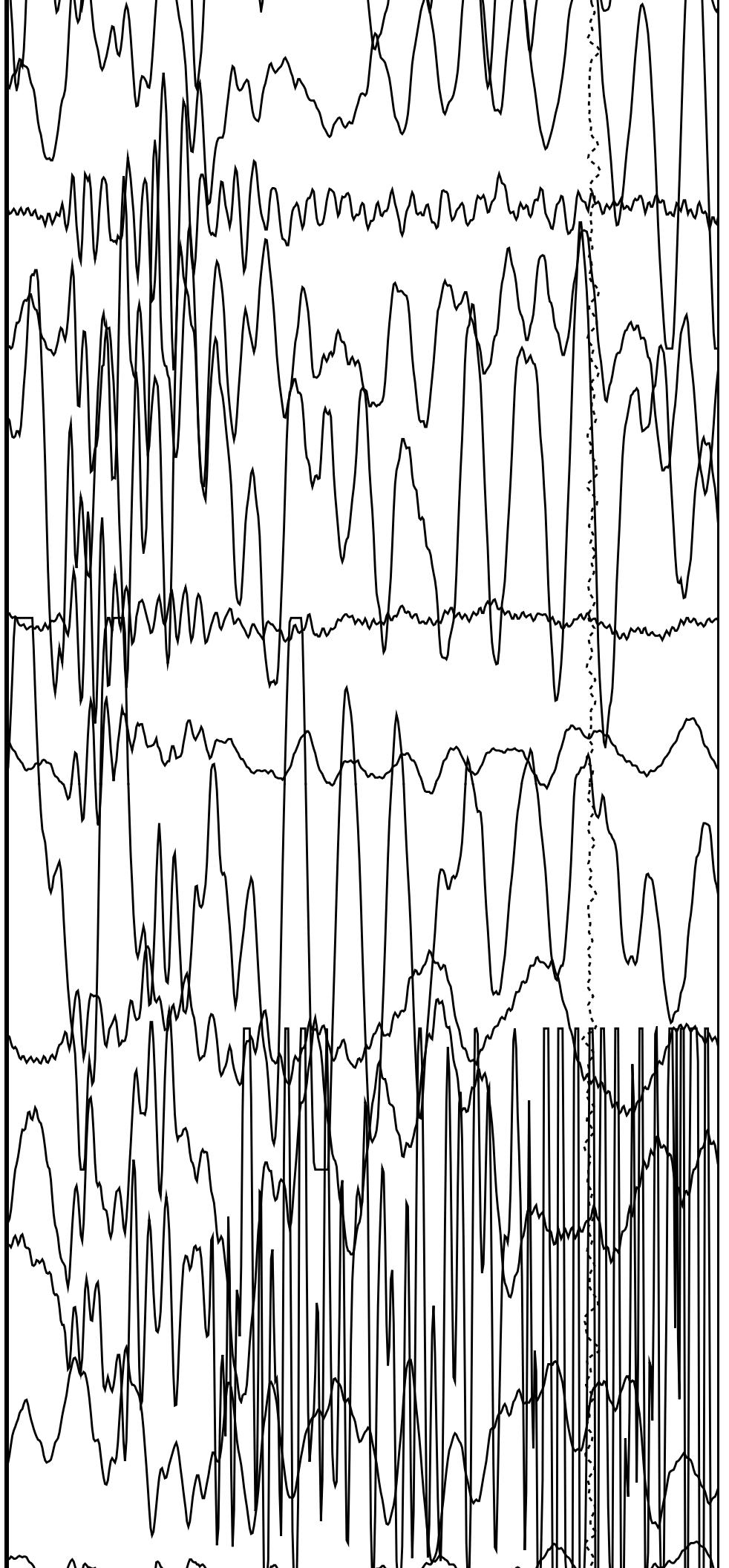
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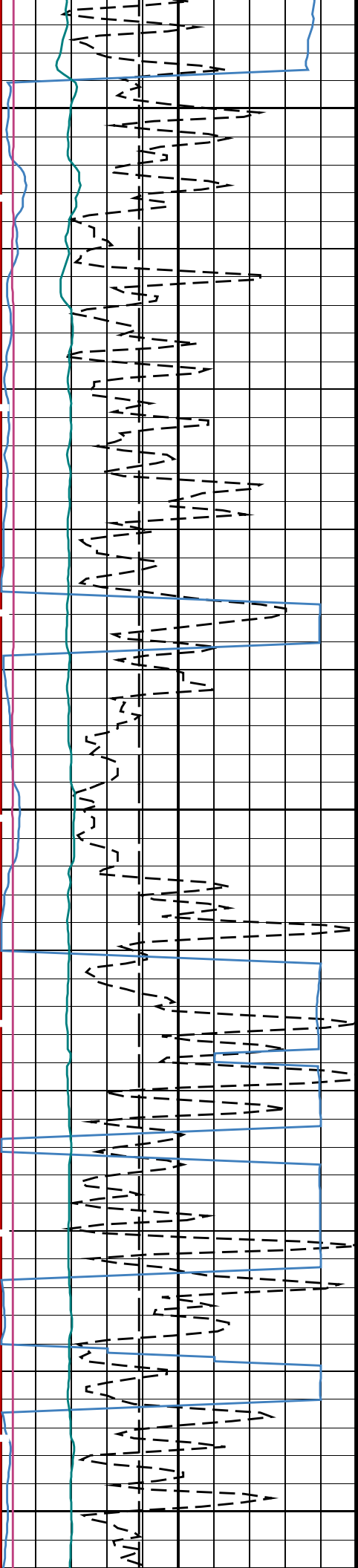




1875

1900

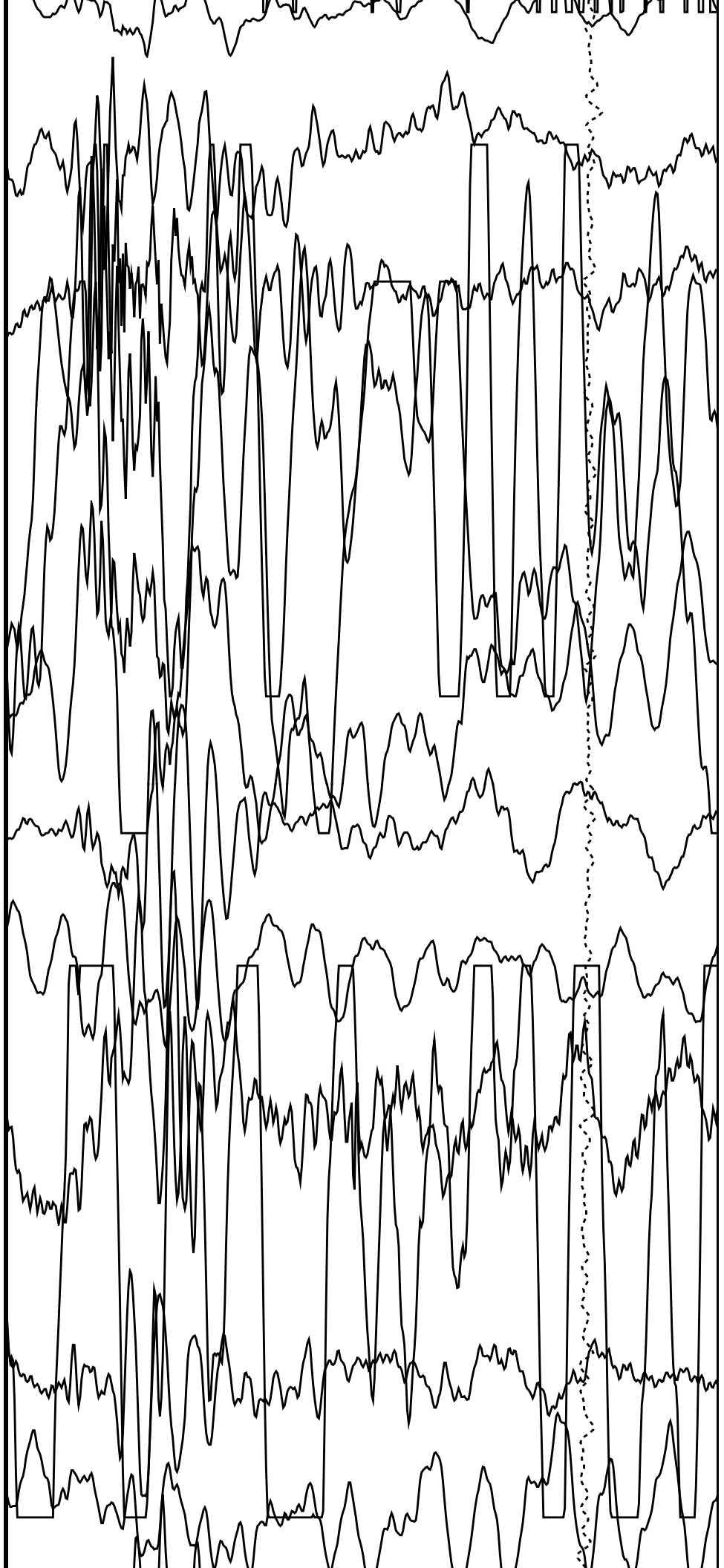


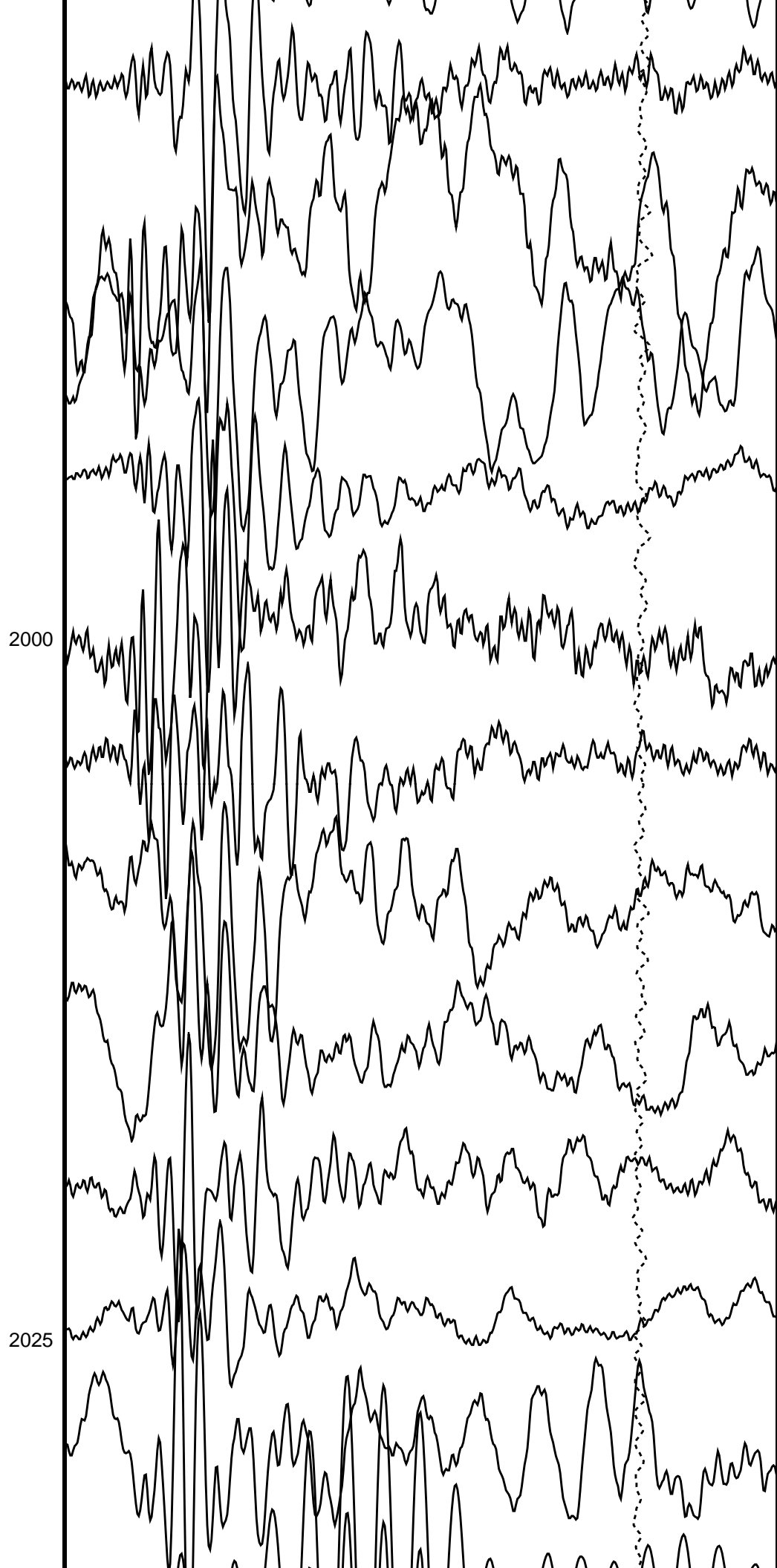
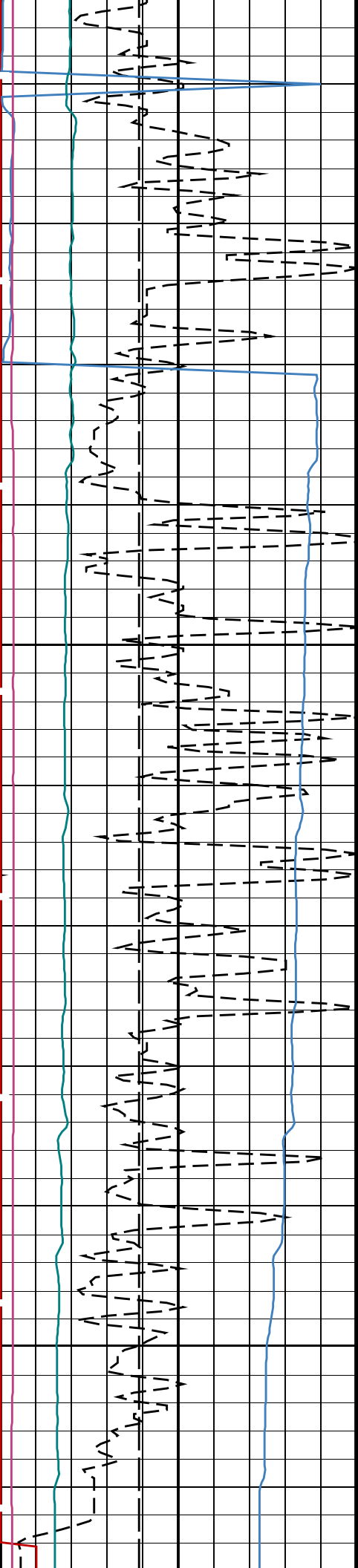


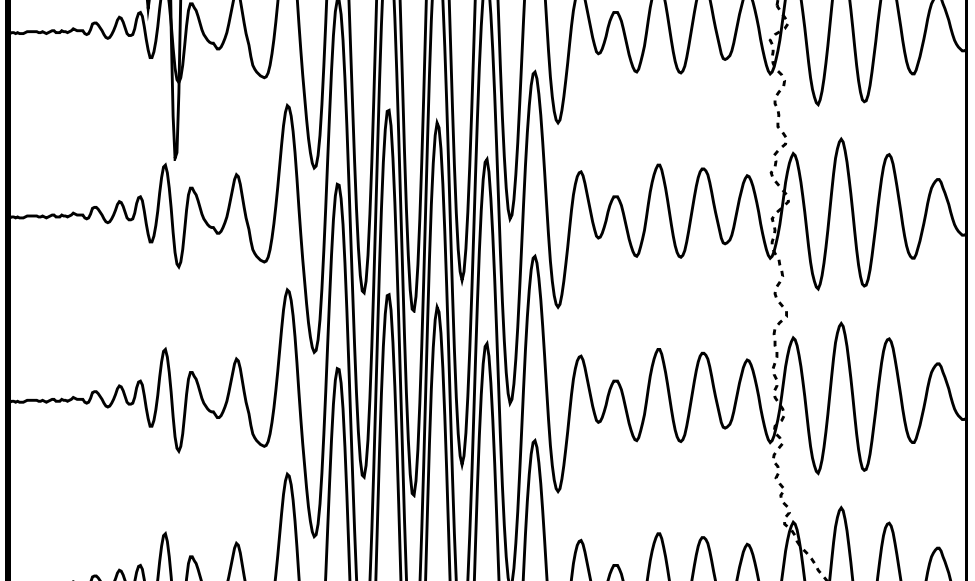
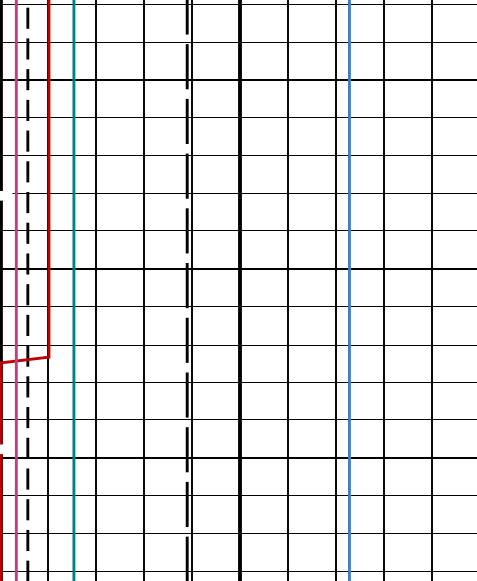
1925

1950

1975







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

0	SAMX Waveforms (WFX) (US)	20000
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10000	Tension (TENS) (LBF)	0
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Uplong 1
SAMX BCR

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		
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing		

RECOMPUTE

Format: DSST_WFX_WAVES

Vertical Scale: 1:200

Graphics File Created: 21-Jun-2018 17:26

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

Input DLIS Files

DEFAULT LDL_FMS_DSI_NGS_052PUP FN:69 PRODUCER 21-Jun-2018 16:47 2048.3 M 1721.1 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_055PUP FN:72 PRODUCER 21-Jun-2018 17:26

Input DLIS Files

21-Jun-2018 16:47

Output DLIS Files

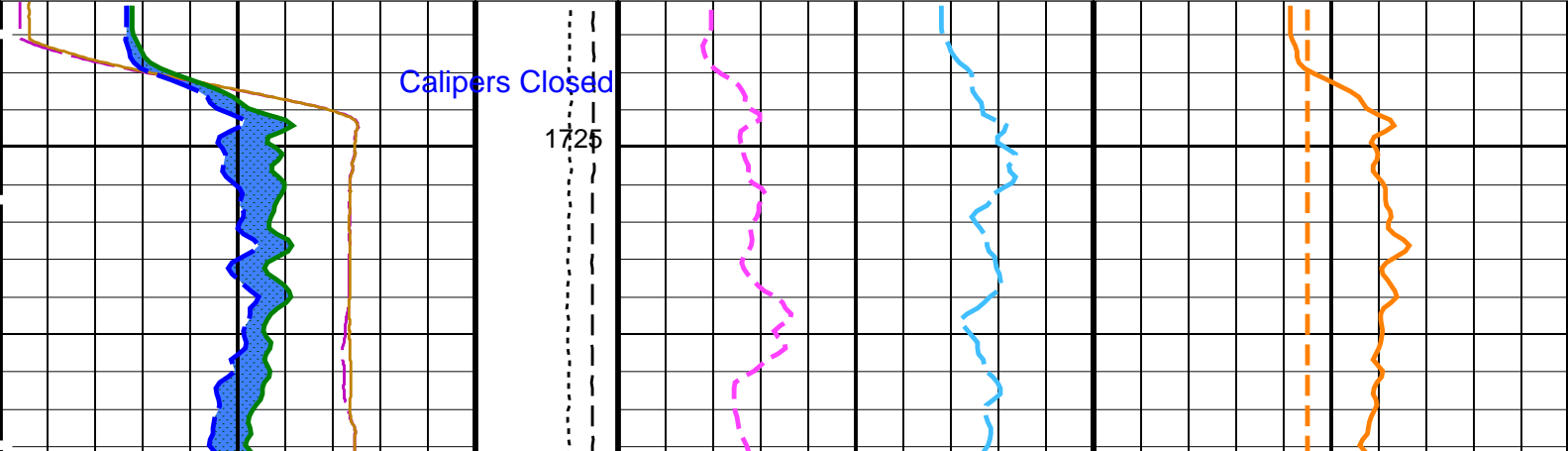
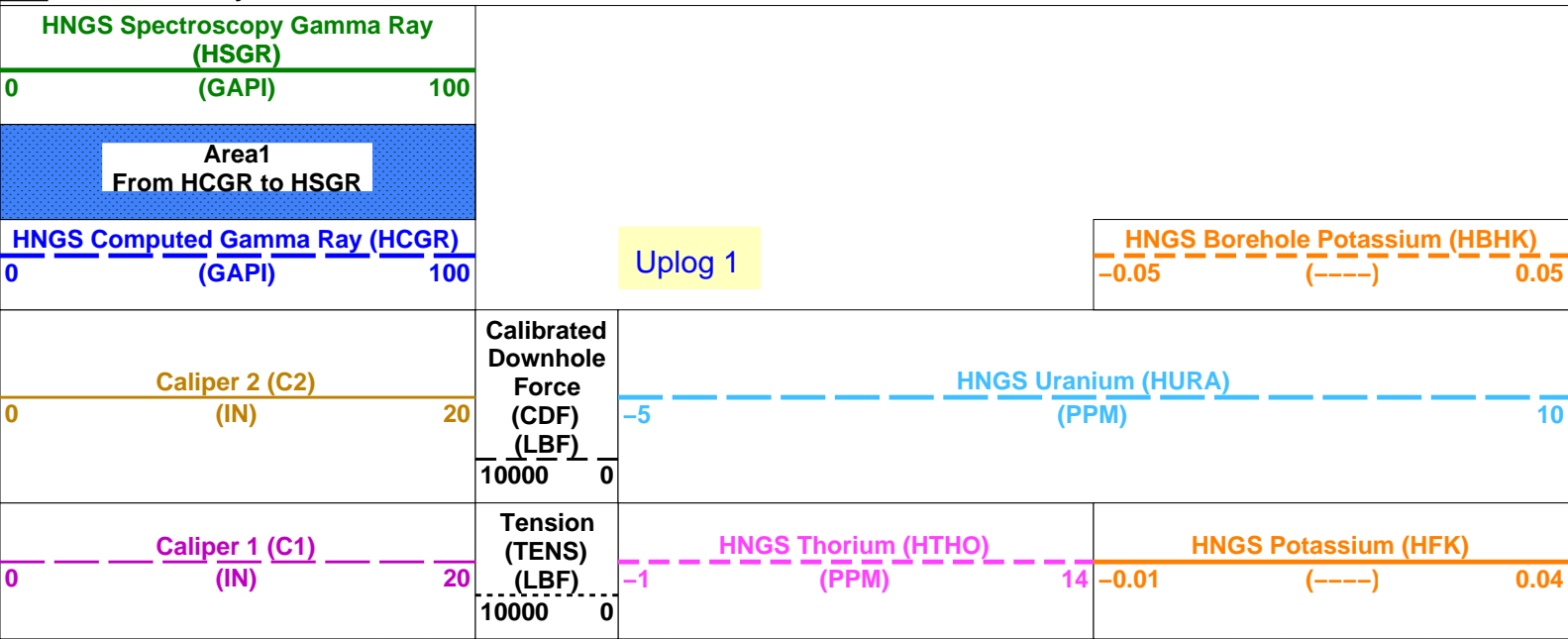
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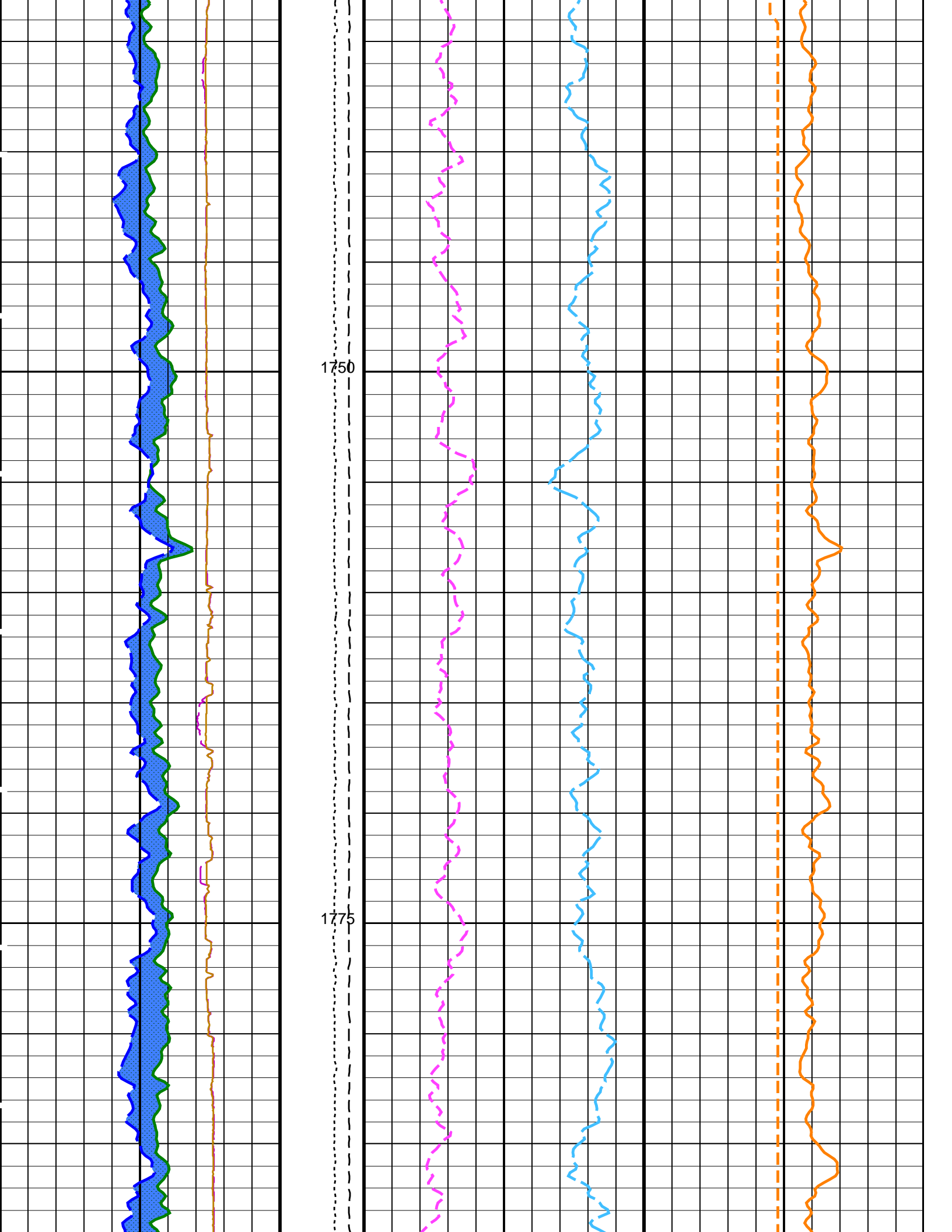
OP System Version: 19C0-187

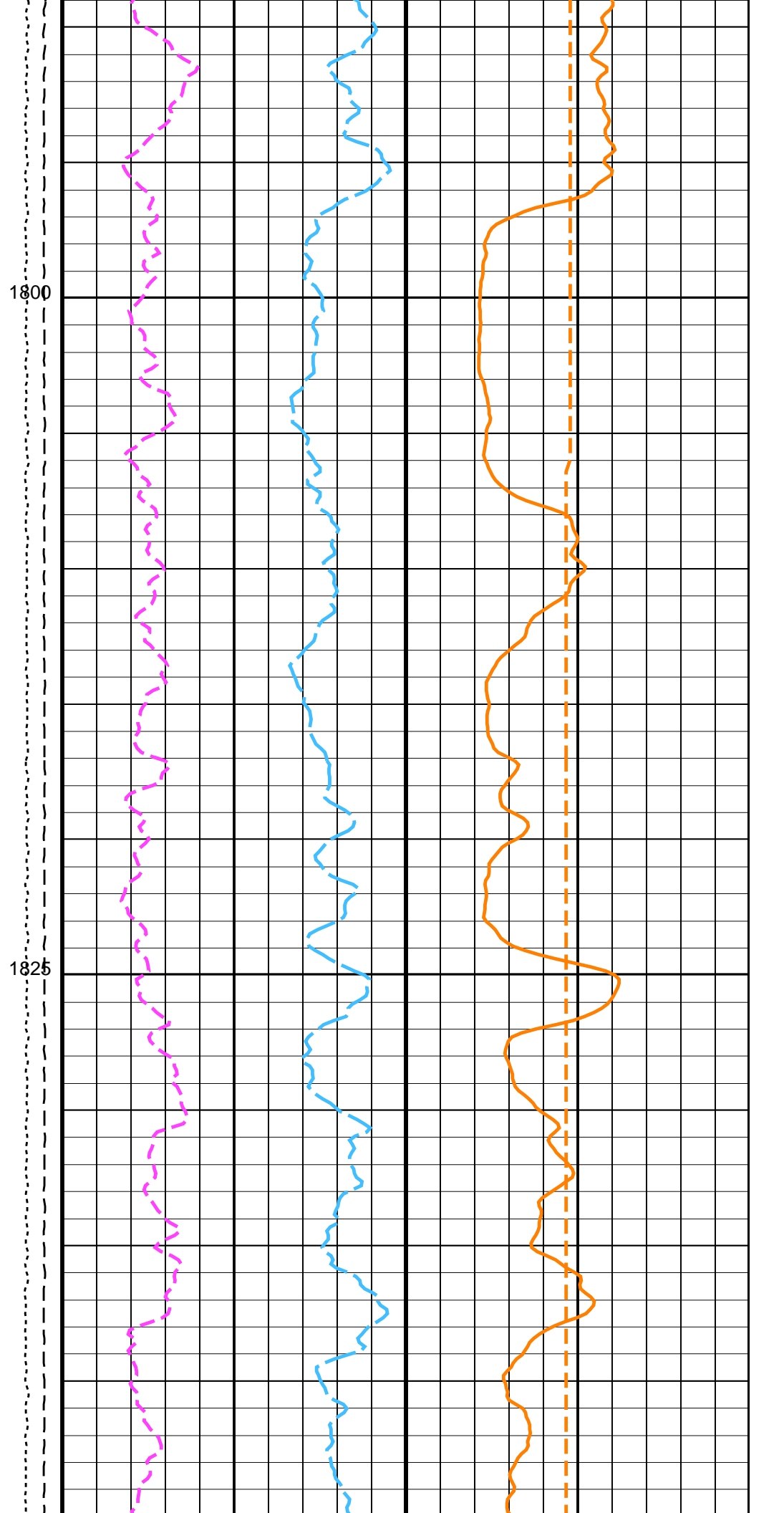
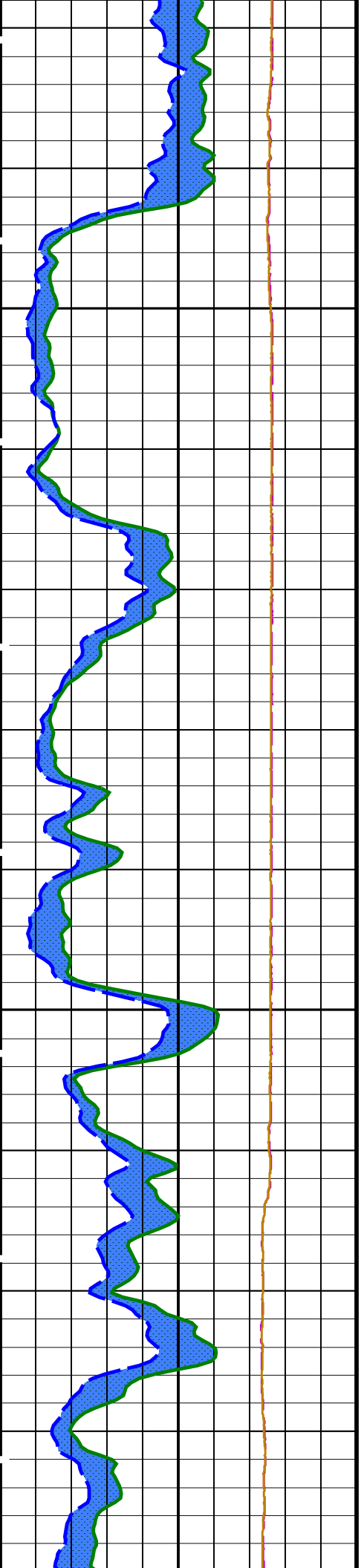
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DTA-A-8453	19C0-187	DSST-B	19C0-187
HNCC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

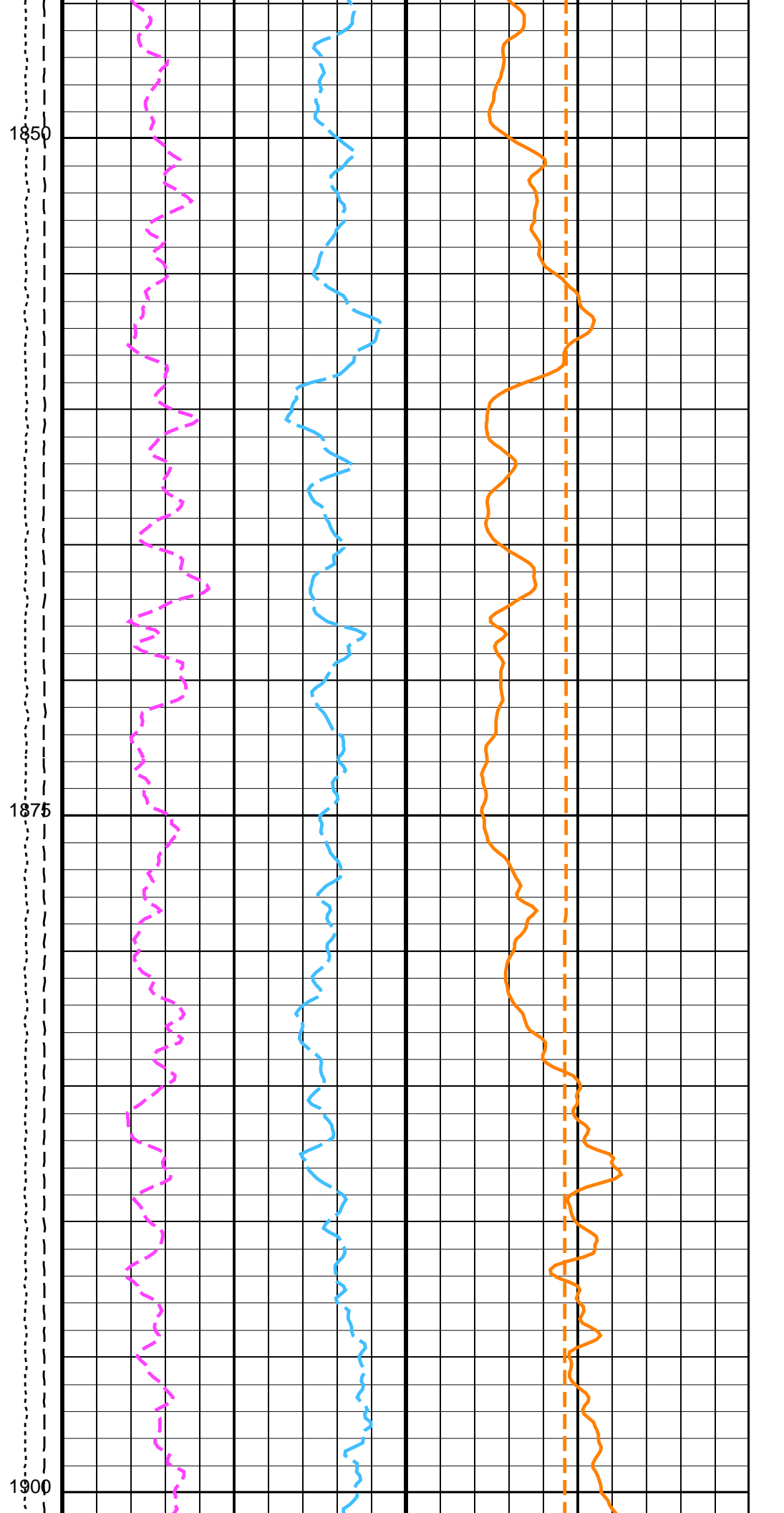
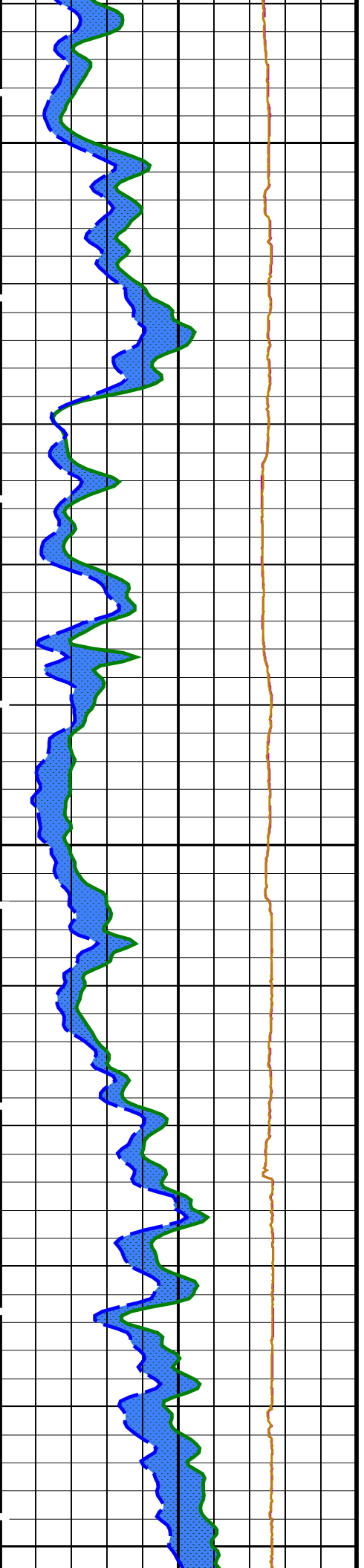
PIP SUMMARY

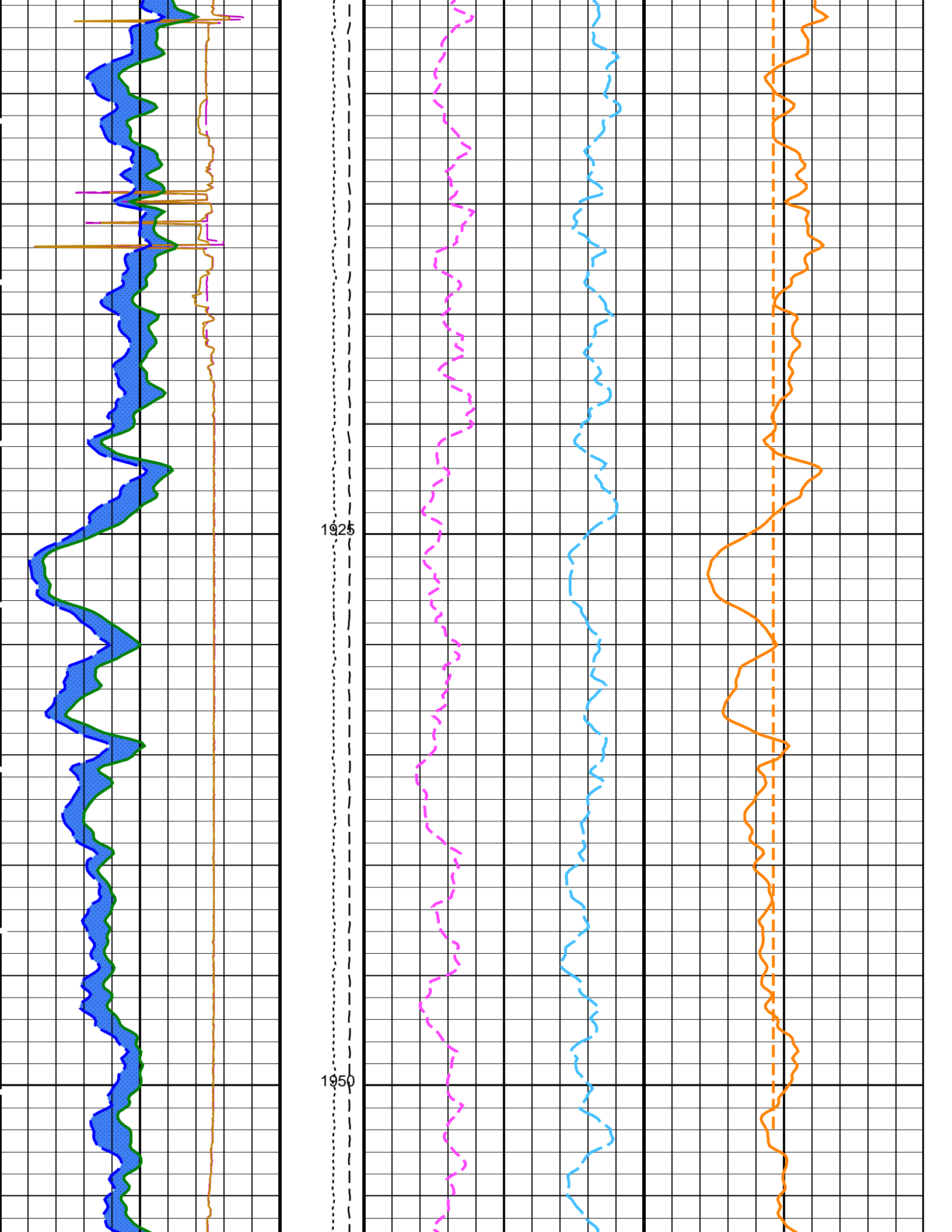
Time Mark Every 60 S

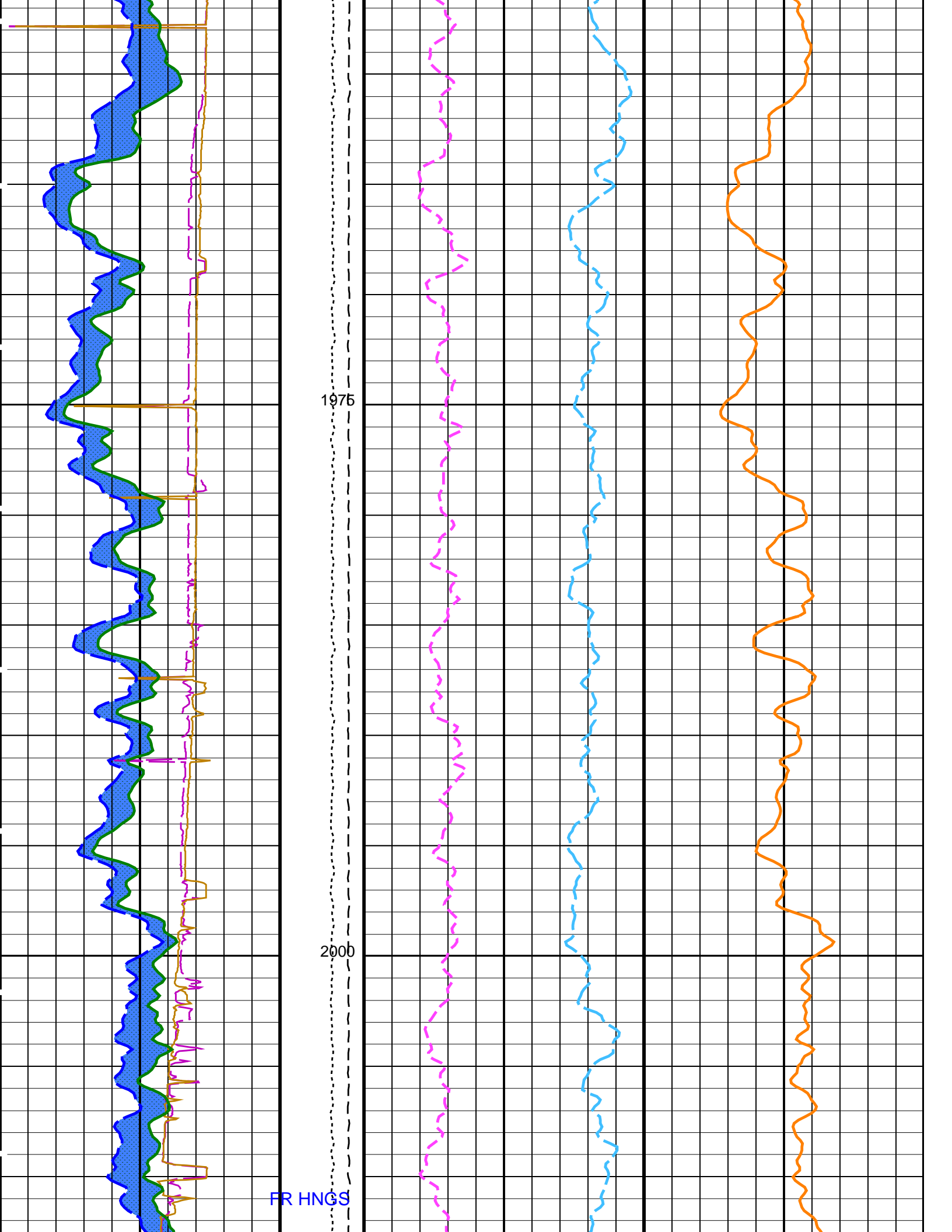


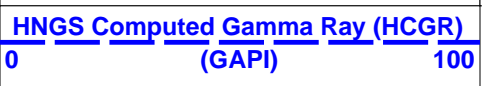
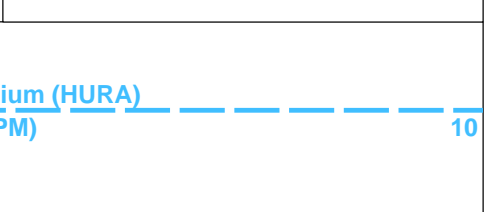
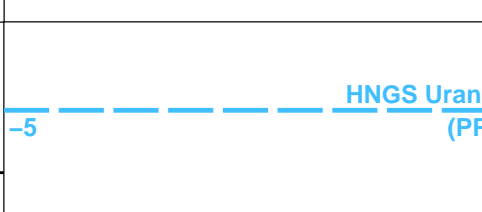
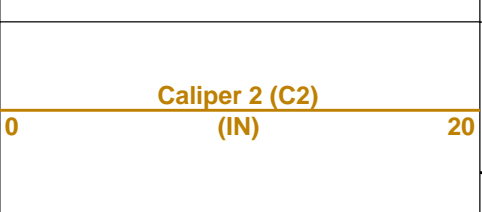
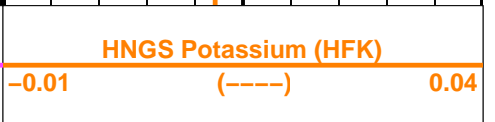
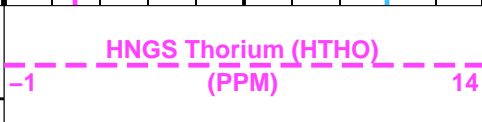
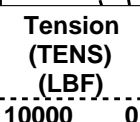
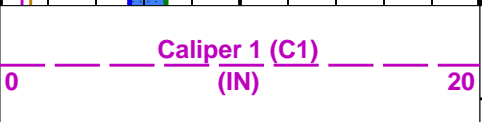
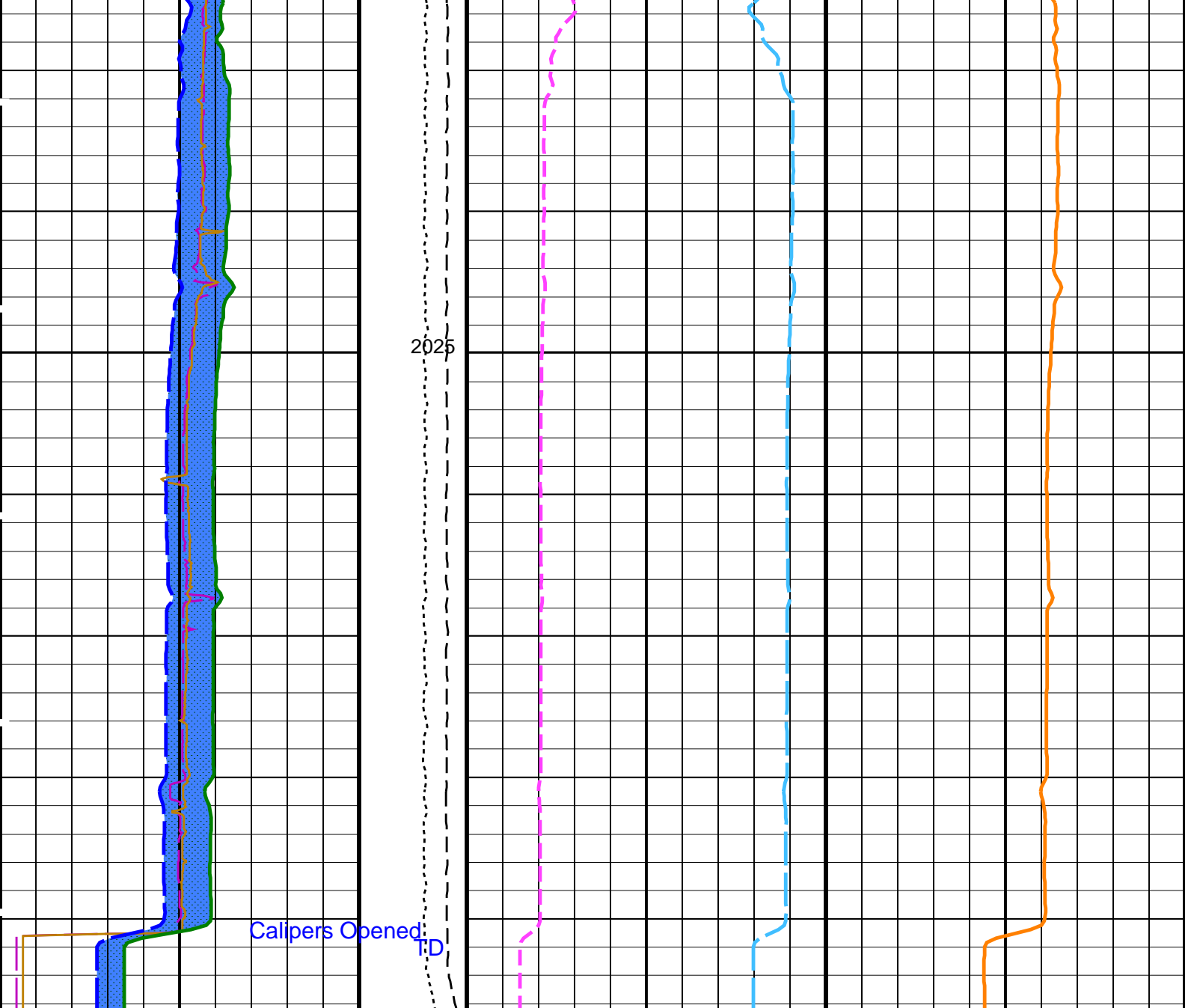




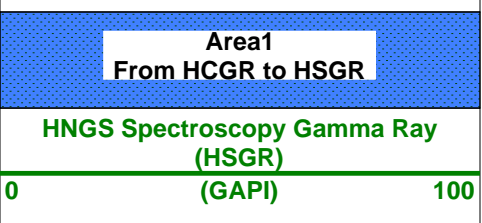








Uplog 1



PIP SUMMARY



Time Mark Every 60 S

Parameters

Parameters

DLIS Name	Description	Value
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DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	C1
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00376997
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	CENT
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02259
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03819
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1
System and Miscellaneous		
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.02 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	RECOMPUTE

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 21-Jun-2018 17:26
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OP System Version: 19C0-187

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

Input DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_052PUP	FN:69	PRODUCER	21-Jun-2018 16:47	2048.3 M	1721.1 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_055PUP	FN:72	PRODUCER	21-Jun-2018 17:26		
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Company: International Ocean Discovery Program	Well: Expedition 376, Site U1530A
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Input DLIS Files

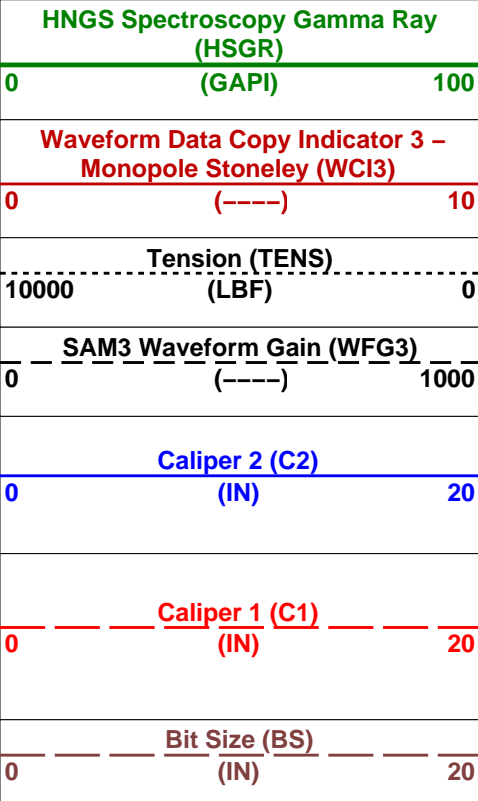
21-Jun-2018 16:47

Output DLIS Files

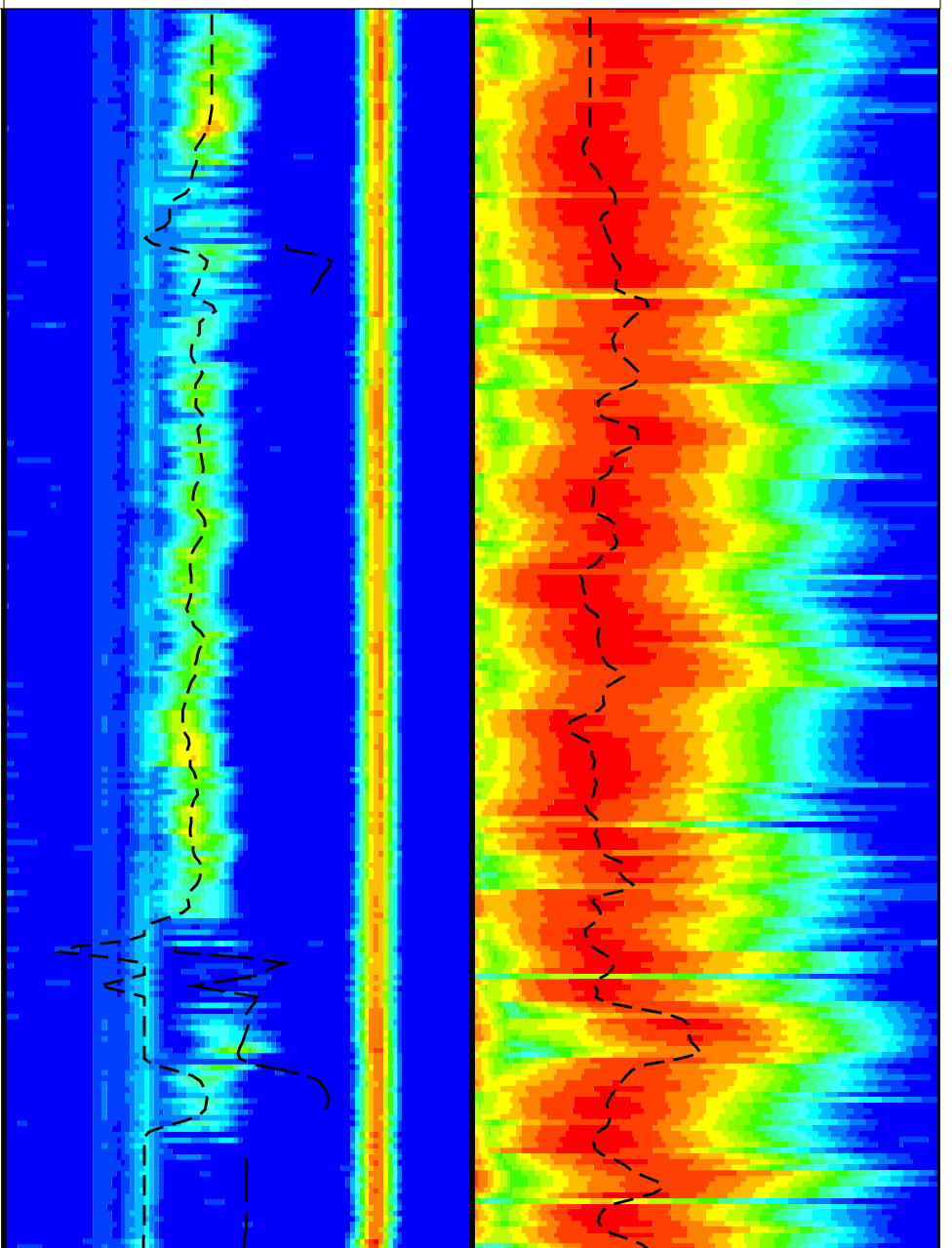
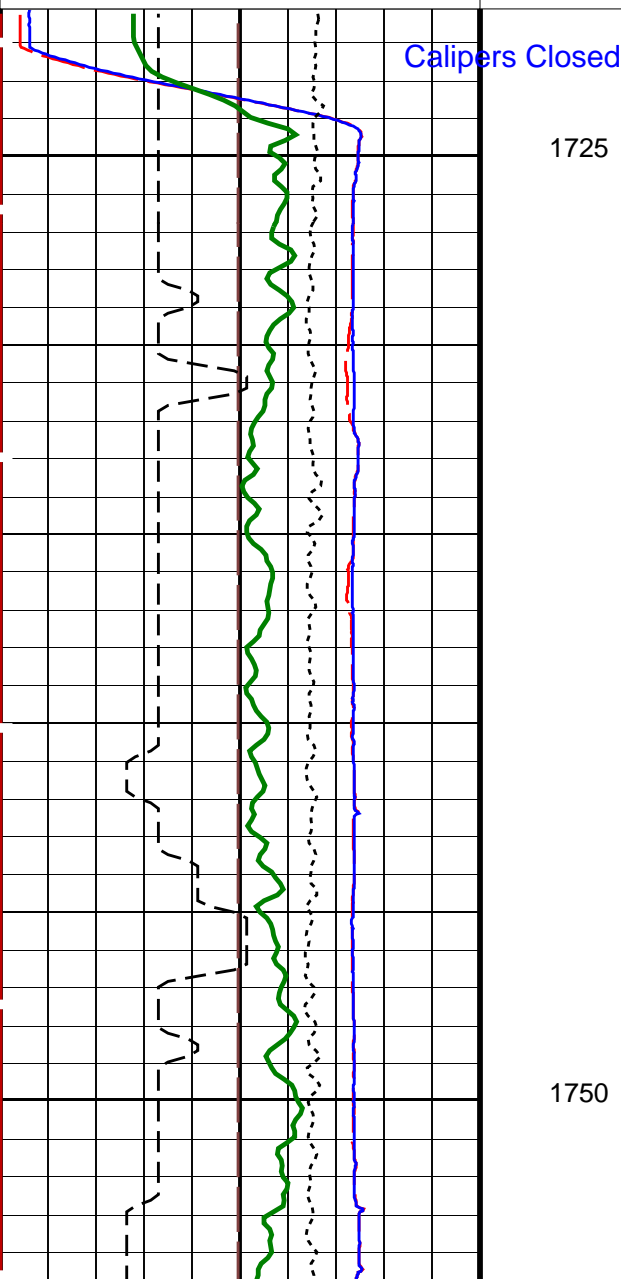
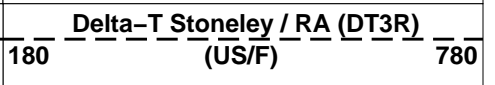
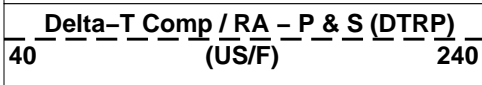
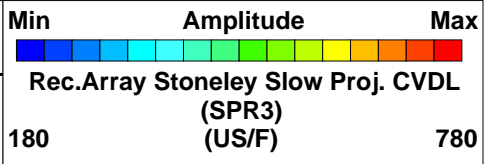
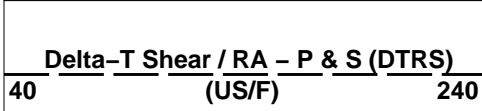
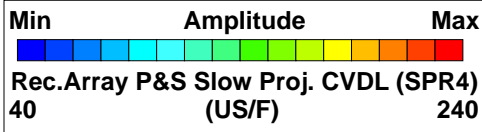
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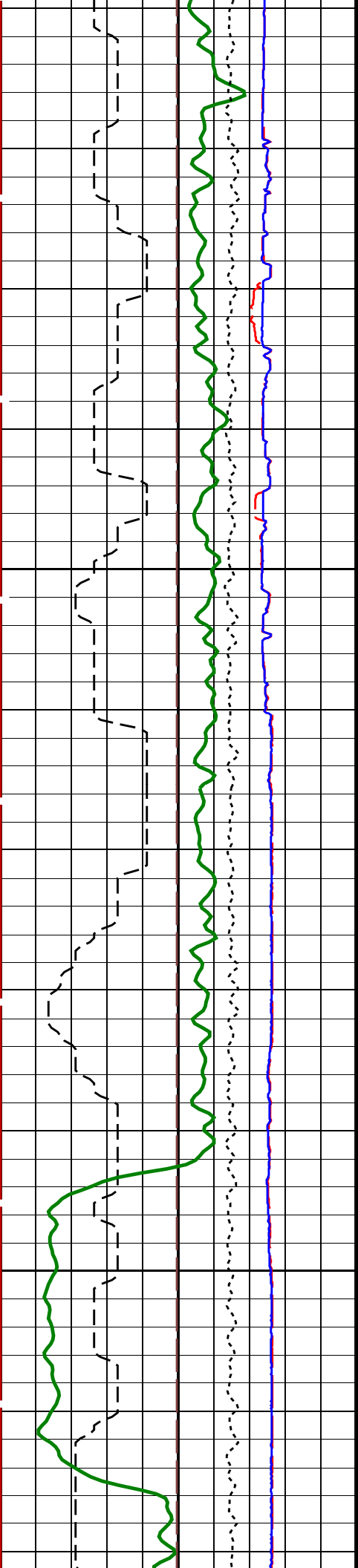
OP System Version: 19C0-187

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



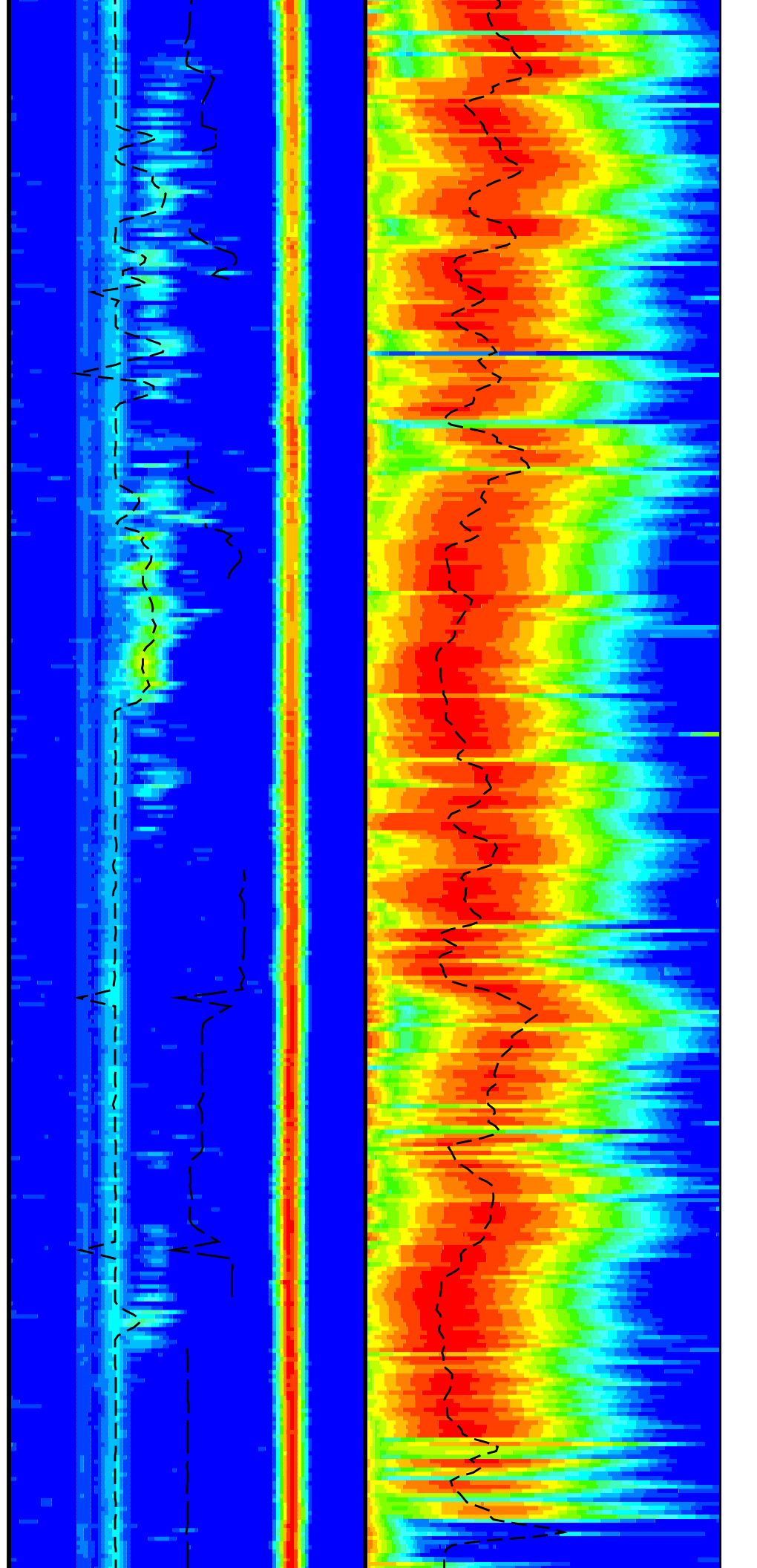
Uplog 1

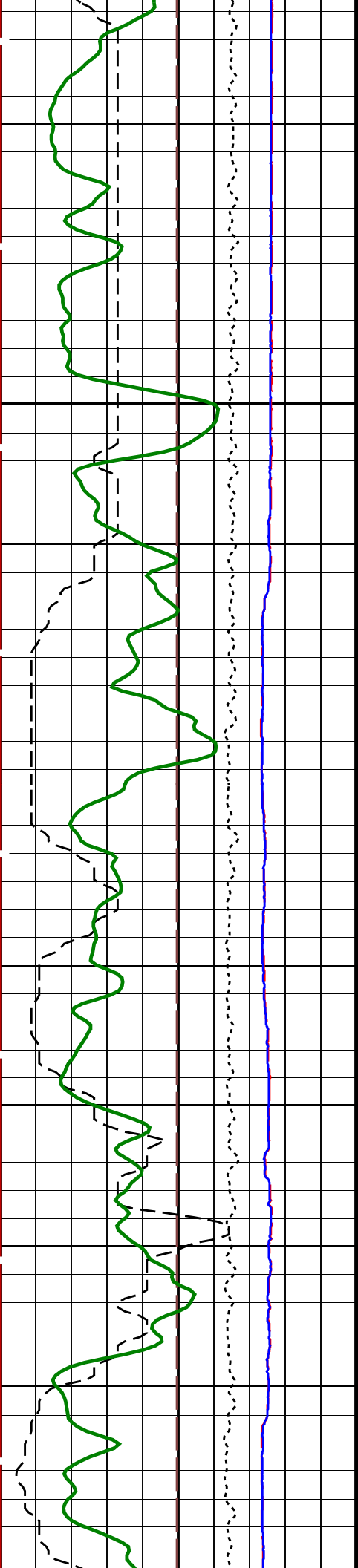




1775

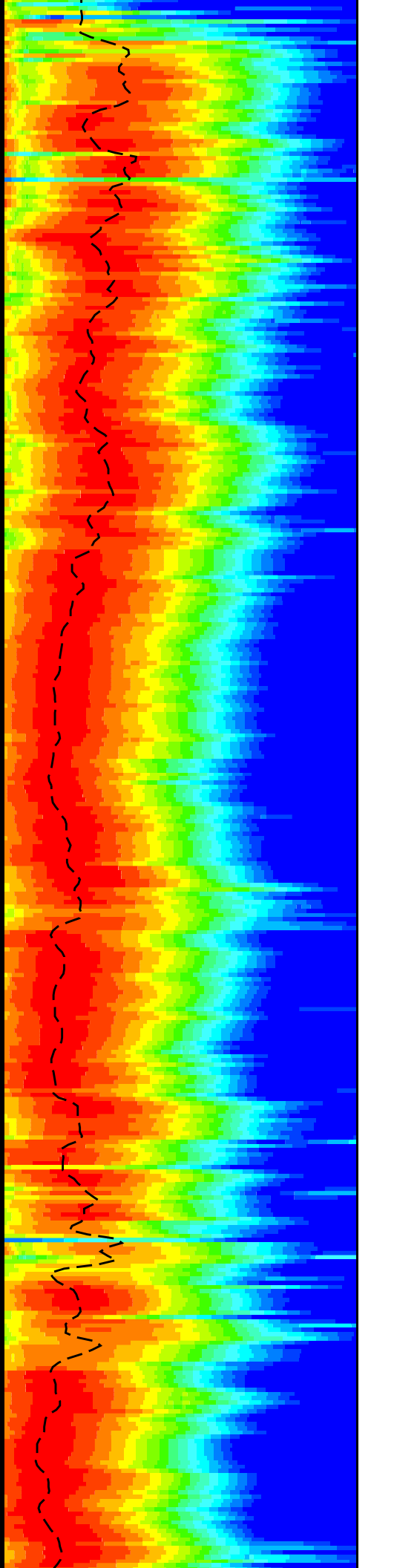
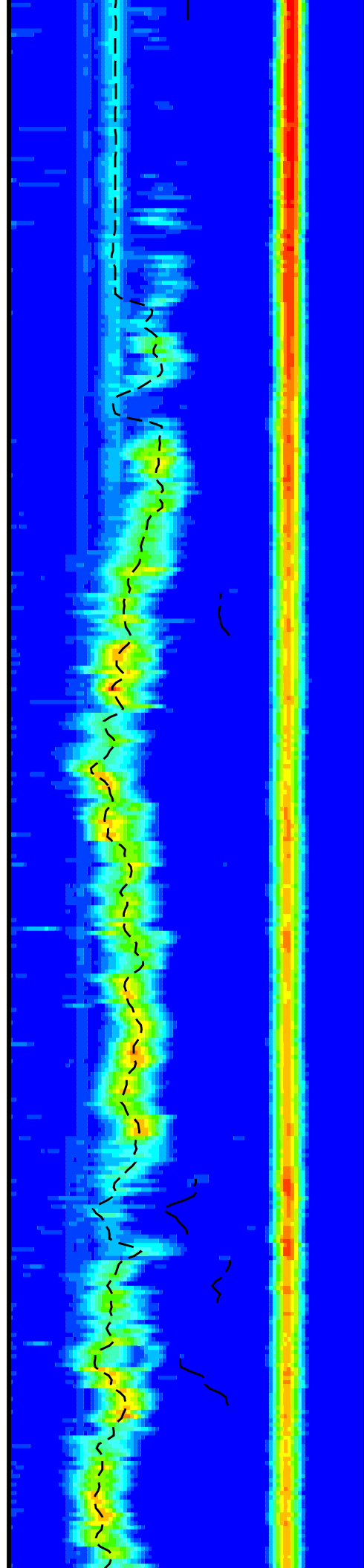
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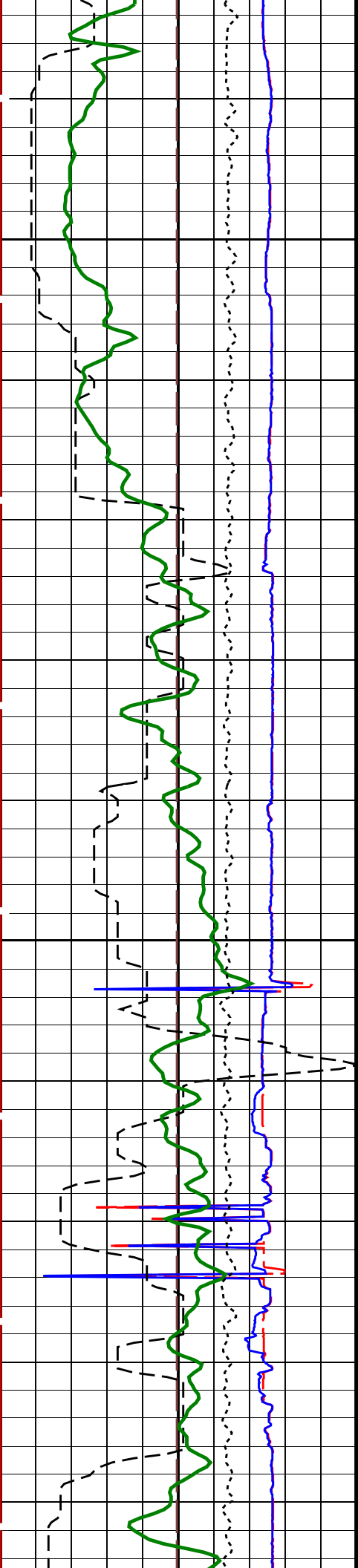




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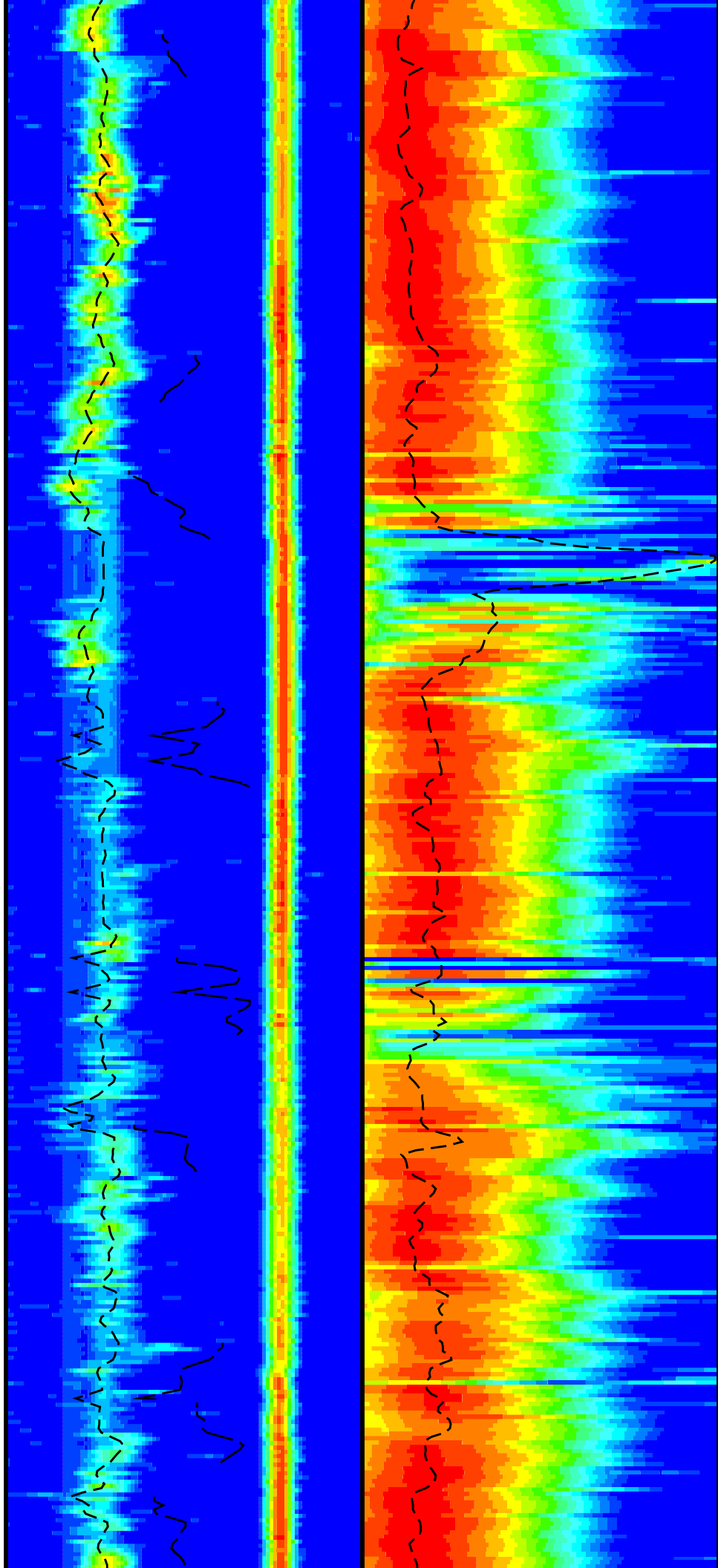
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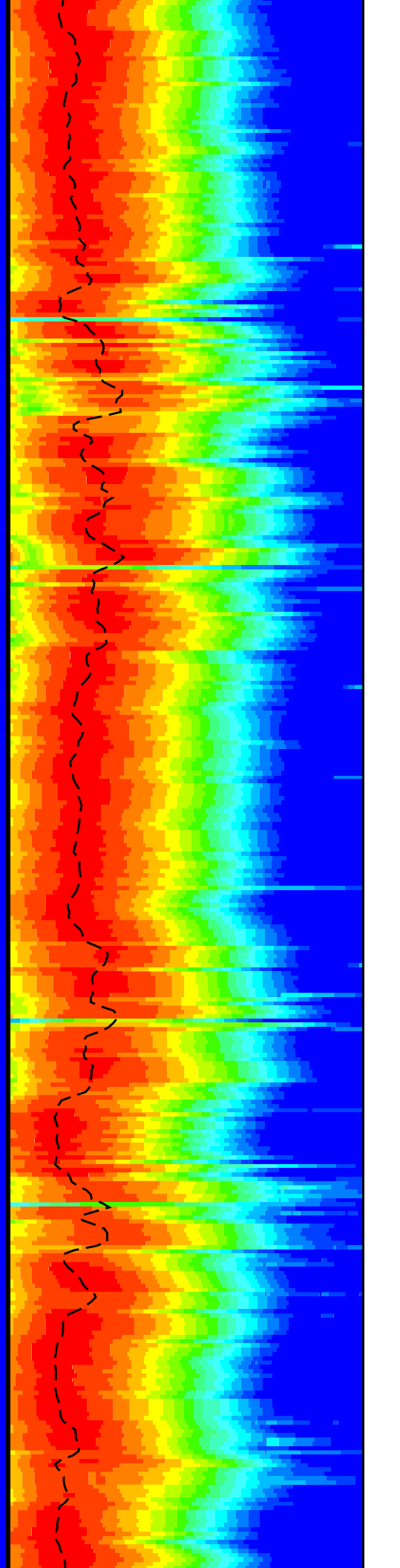
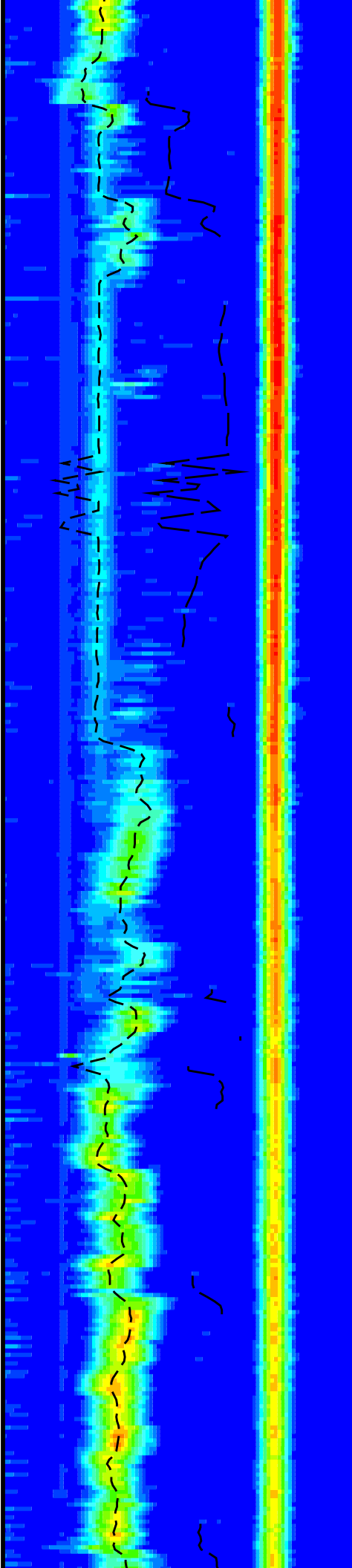
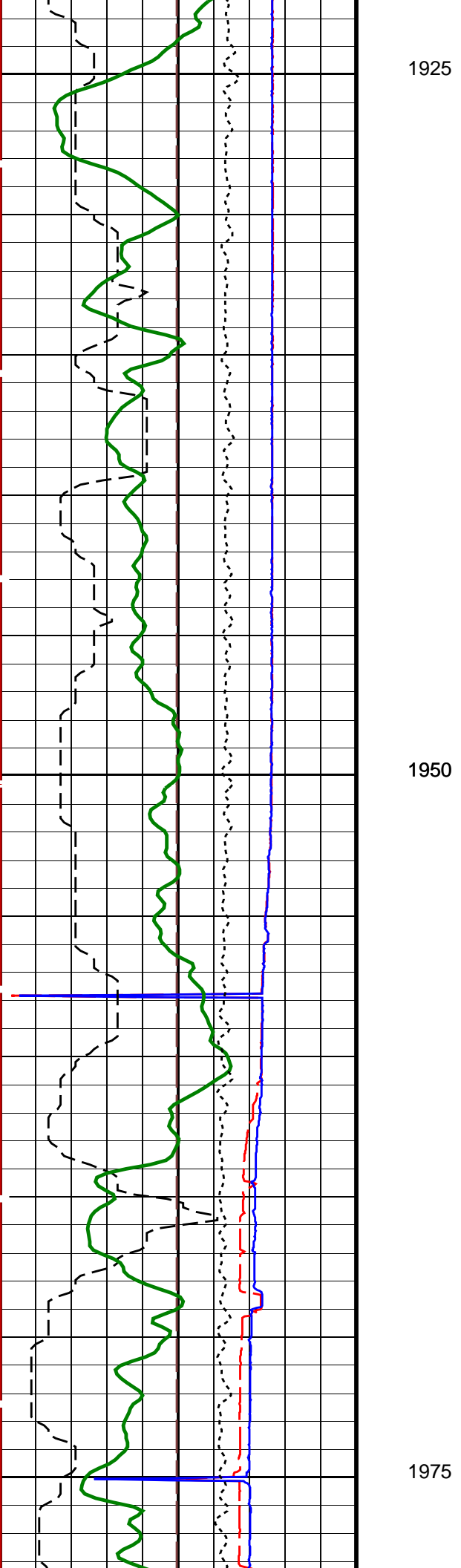


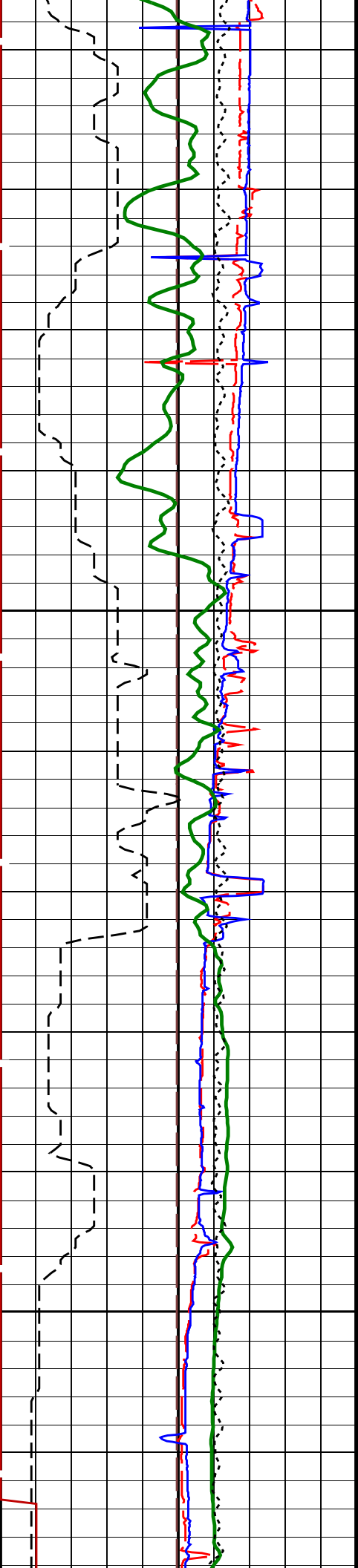


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1900





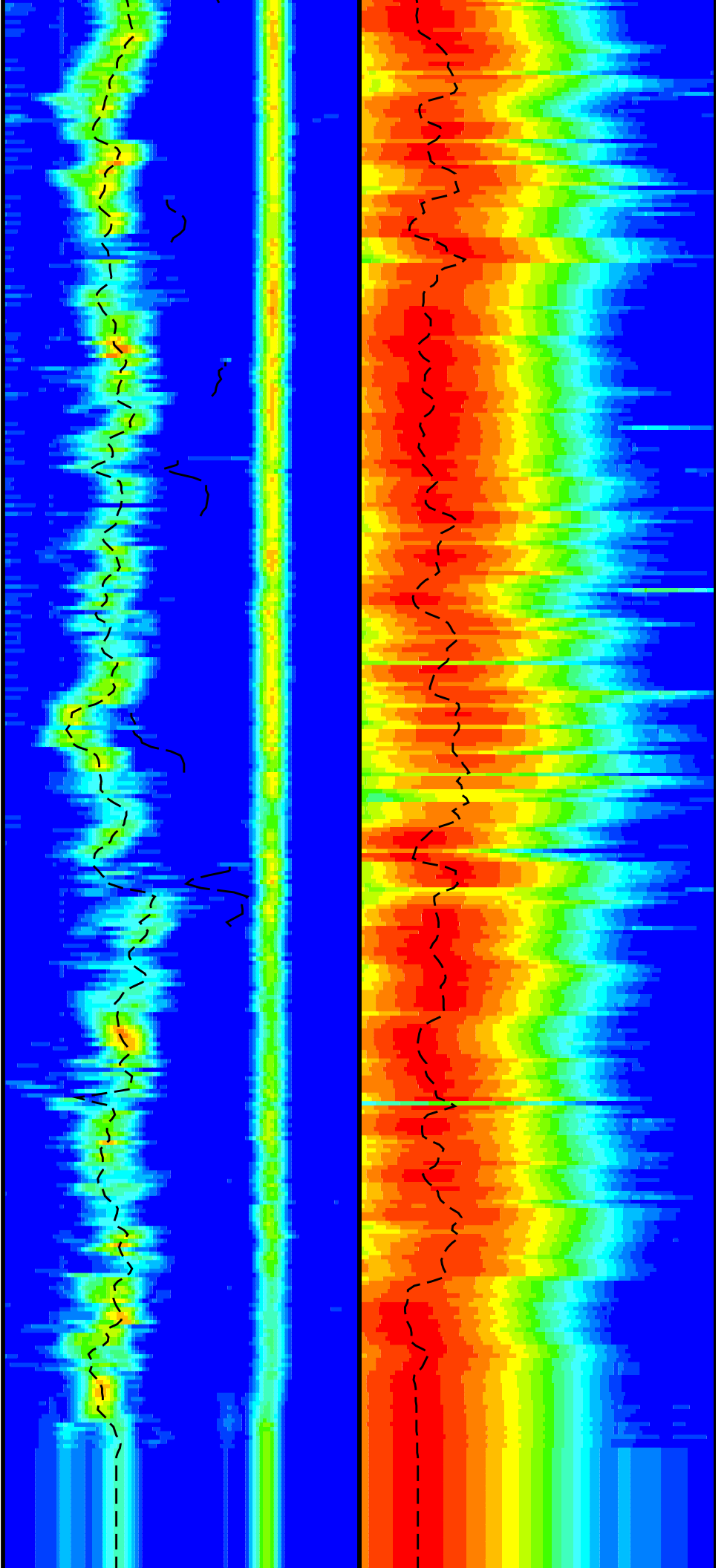


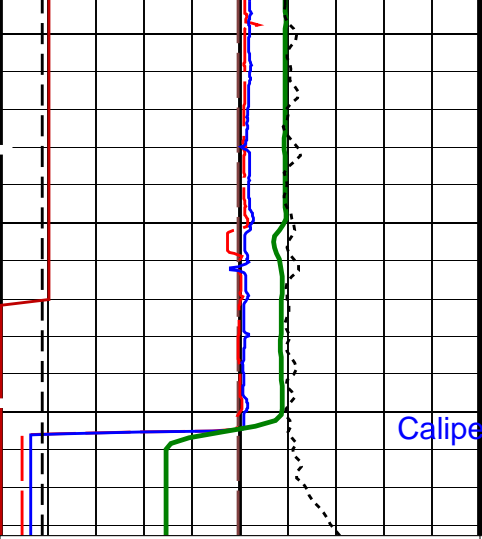
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FR GR

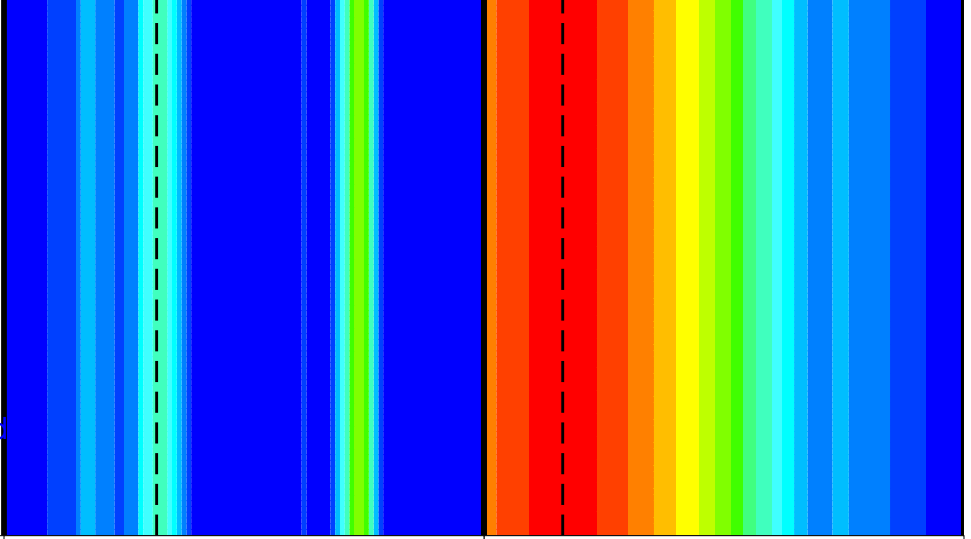
2025

FR DSI





Calipers Opened
TD



Bit Size (BS) (IN)	0	20
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

Delta-T Comp / RA - P & S (DTRP) (US/F)	40	240	Delta-T Stoneley / RA (DT3R) (US/F)	180	780
Delta-T Shear / RA - P & S (DTRS) (US/F)	40	240	Min	Amplitude	Max
			Rec.Array Stoneley Slow Proj. CVDL (SPR3) (US/F)		
			180		780
			Min	Amplitude	Max
			Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F)		
	40	240			

Uplog 1

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
CASF	Label Casing Function - Monopole P&S	50
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	40 US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	180 US/F
DDE3	Digitizing Delay 3	0 US
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI3	Digitizer Sample Interval 3	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	189 US/F
DWC3	Digitizer Word Count 3	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
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI3	Number Waveform Items 3	8

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
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	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	BCR	
SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO3	STC Search Band Offset – Monopole Stoneley	2000	US
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW3	STC Search Bandwidth – Monopole Stoneley	6000	US
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	180	US/F
LLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F
LLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL3	STC Time Lower Limit – Monopole Stoneley	620	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST3	STC Time Step – Monopole Stoneley	200	US
TST4	STC Time Step – Monopole P&S	50	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12020	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI3	STC Integration Time Window – Monopole Stoneley	1600	US
TWI4	STC Integration Time Window – Monopole P&S	500	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	-0.00376997	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02259	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03819	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DED	Drilling Fluid Density	1.02	G/C3

OP System Version: 19C0-187

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

Input DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_052PUP	FN:69	PRODUCER	21-Jun-2018 16:47	2048.3 M	1721.1 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_055PUP	FN:72	PRODUCER	21-Jun-2018 17:26		
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Input DLIS Files

21-Jun-2018 16:47

Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_055PUP	FN:72	PRODUCER	21-Jun-2018 17:26	2048.3 M	1721.1 M
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OP System Version: 19C0-187

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

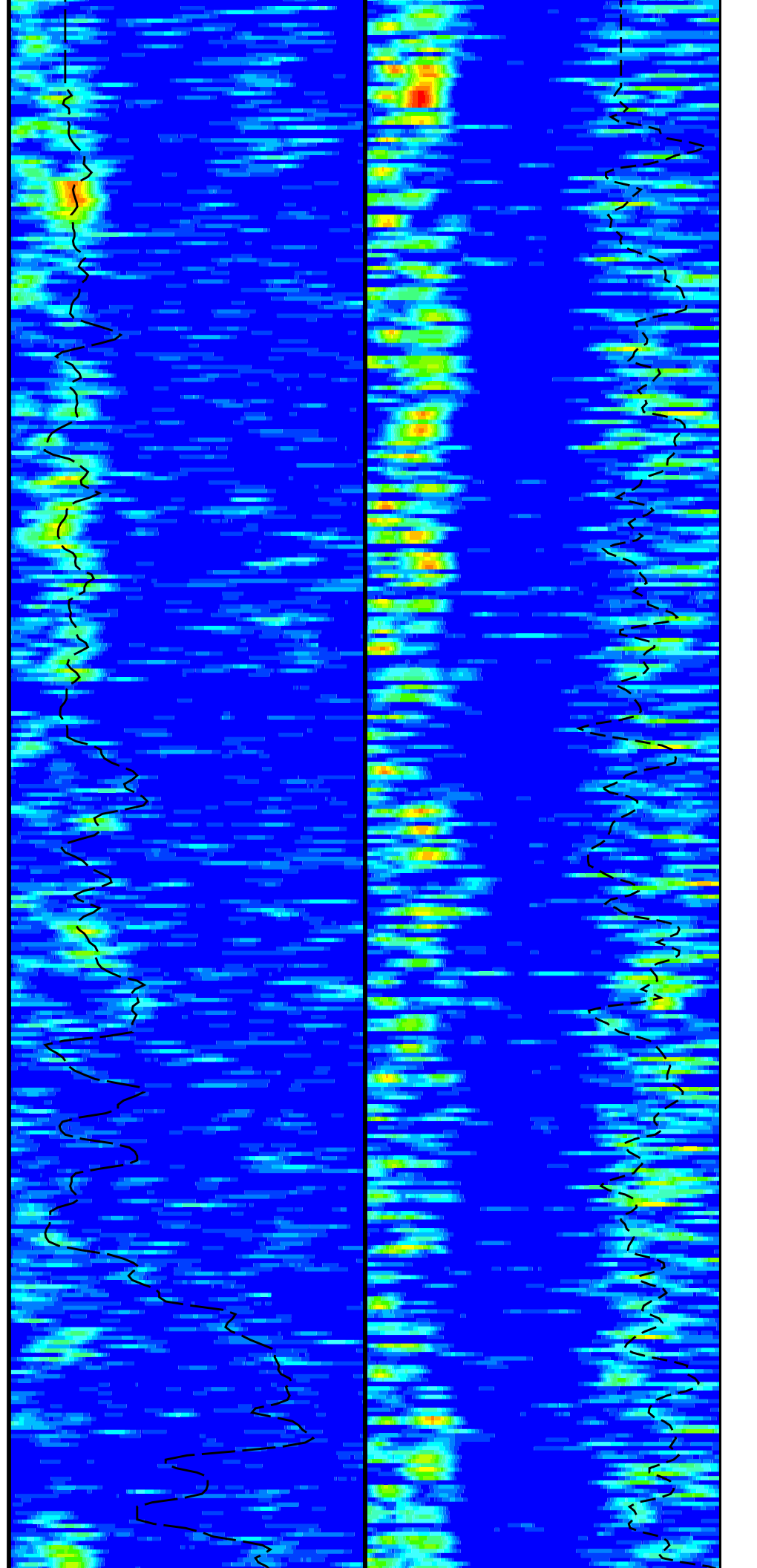
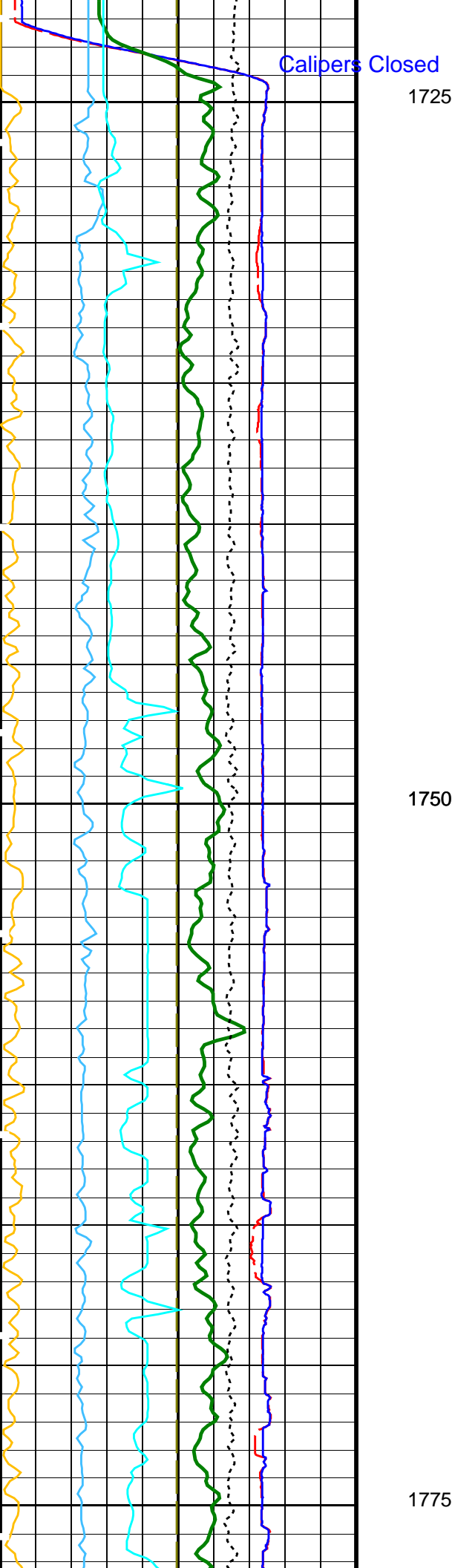
PIP SUMMARY

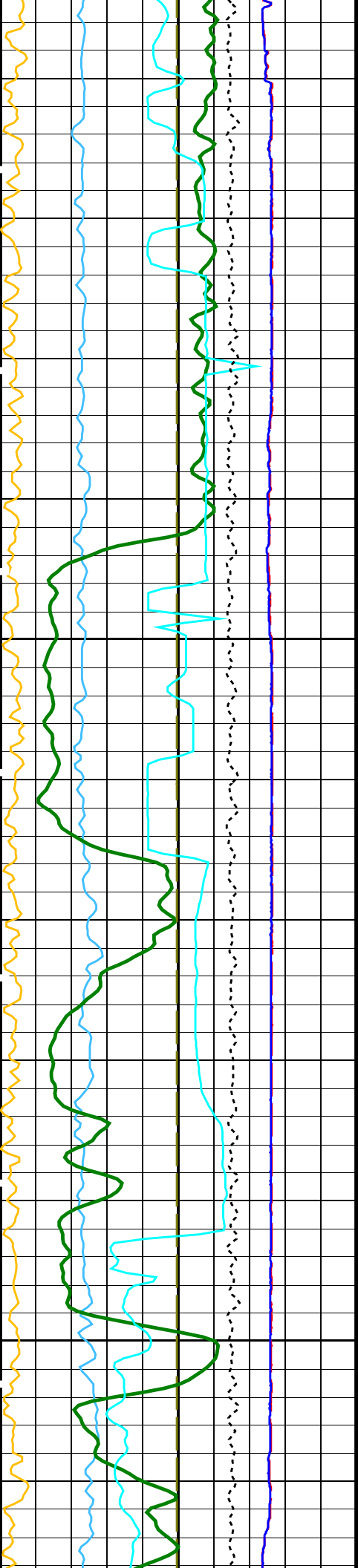
Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Tension (TENS)		
10000	(LBF)	0
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Caliper 2 (C2)		
0	(IN)	20
Caliper 1 (C1)		
0	(IN)	20
Bit Size (BS)		
0	(IN)	20

Uplog 1

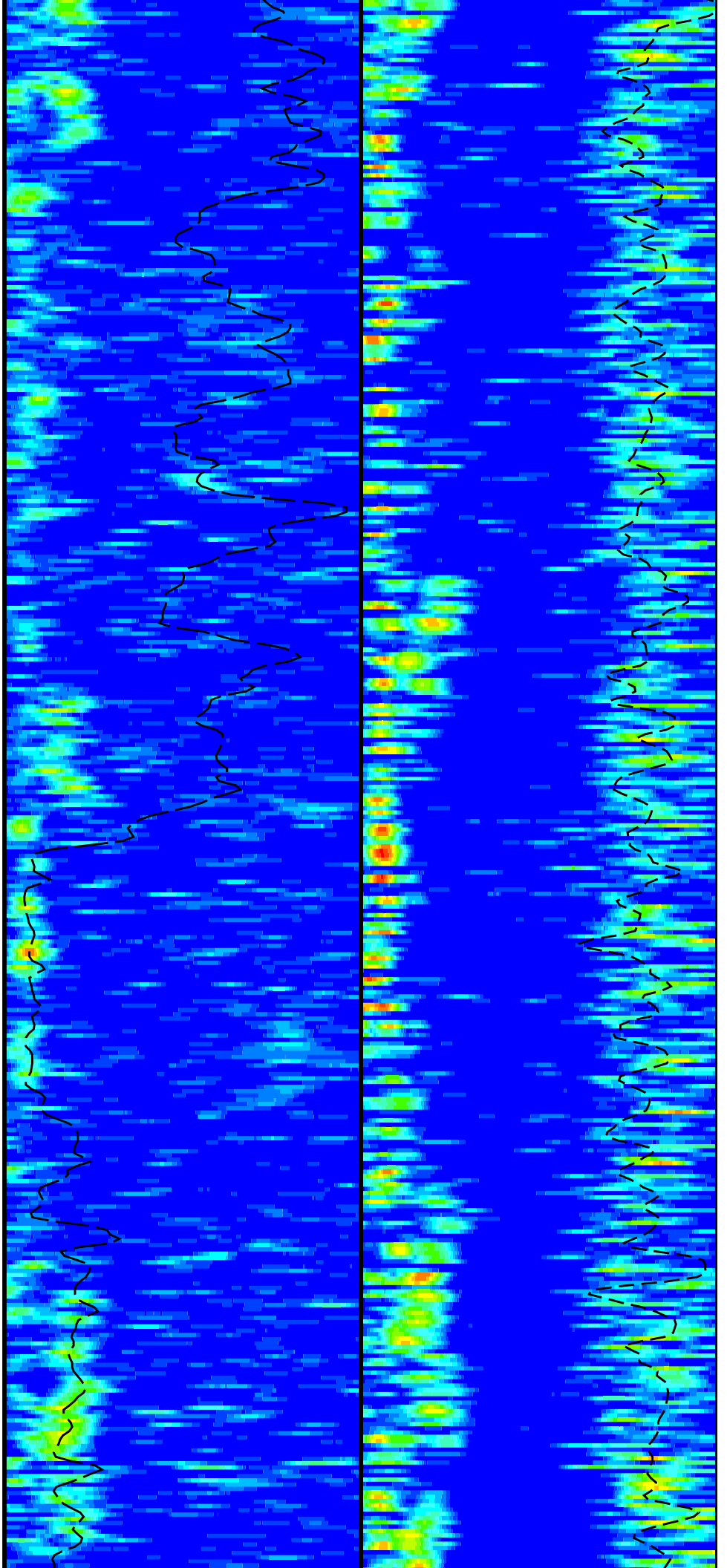
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40	Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)	1400	40	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	1400

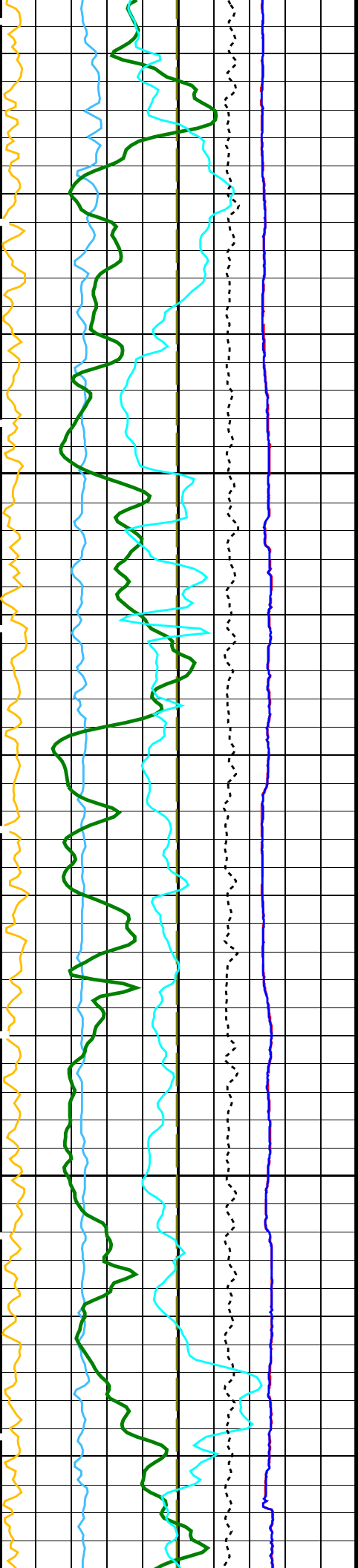




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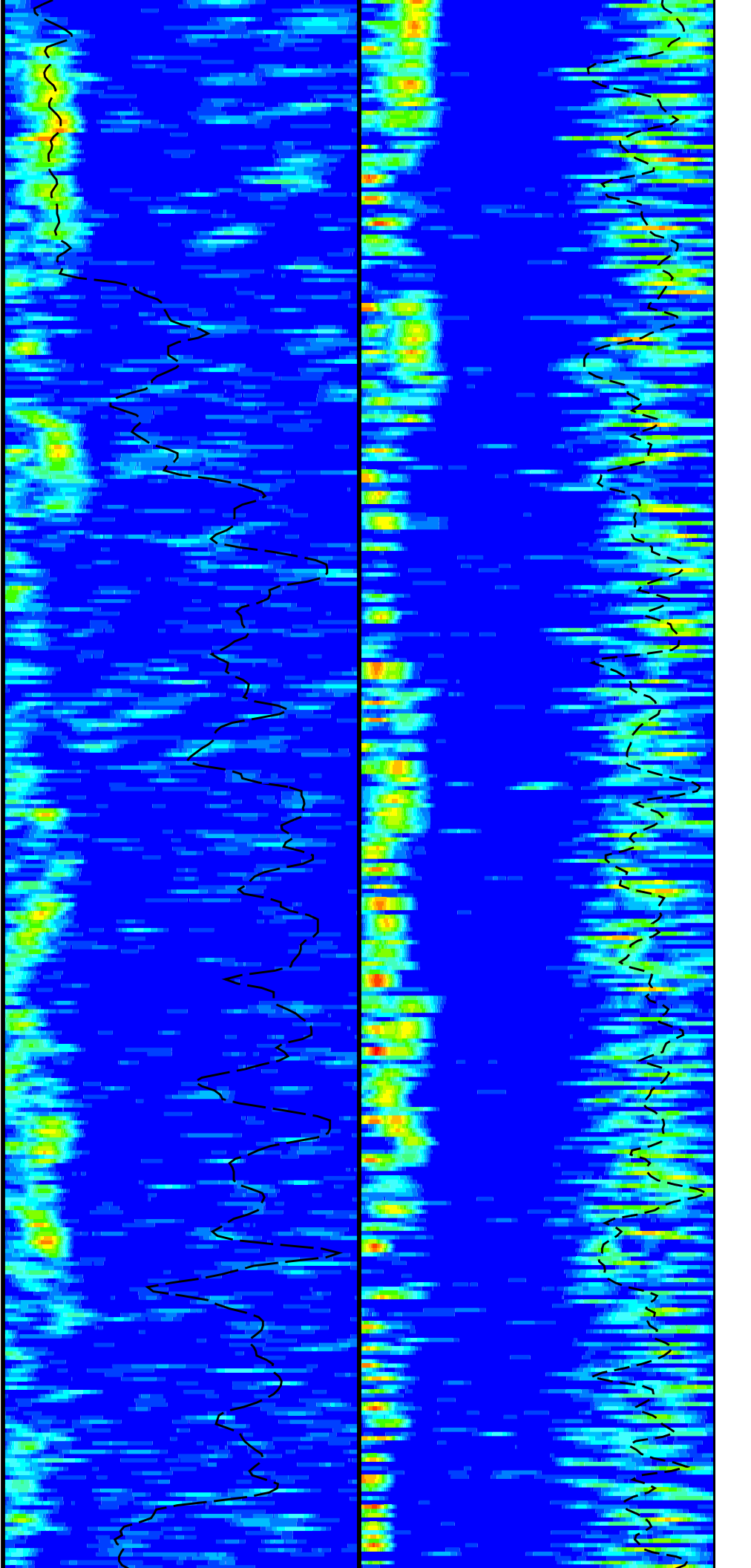
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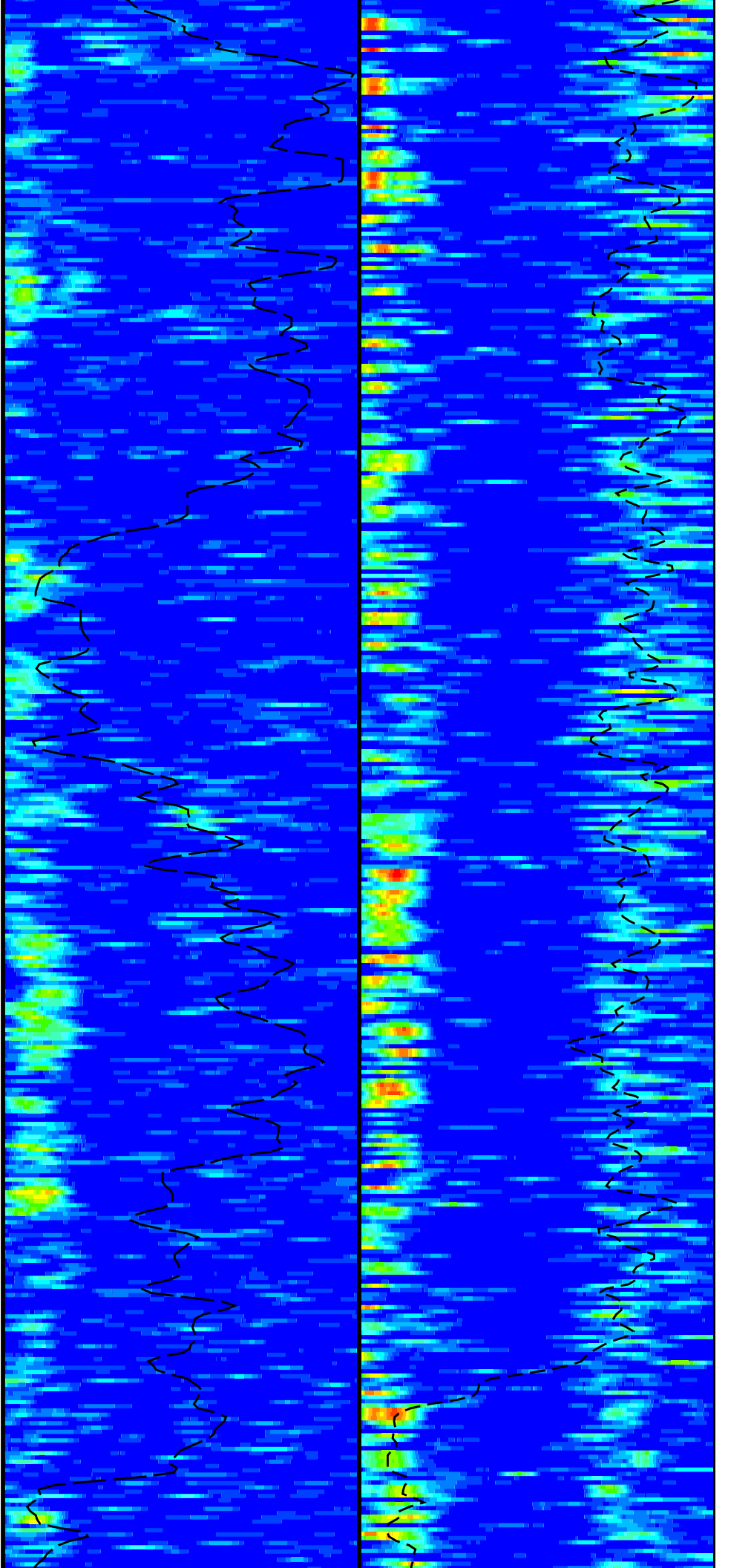
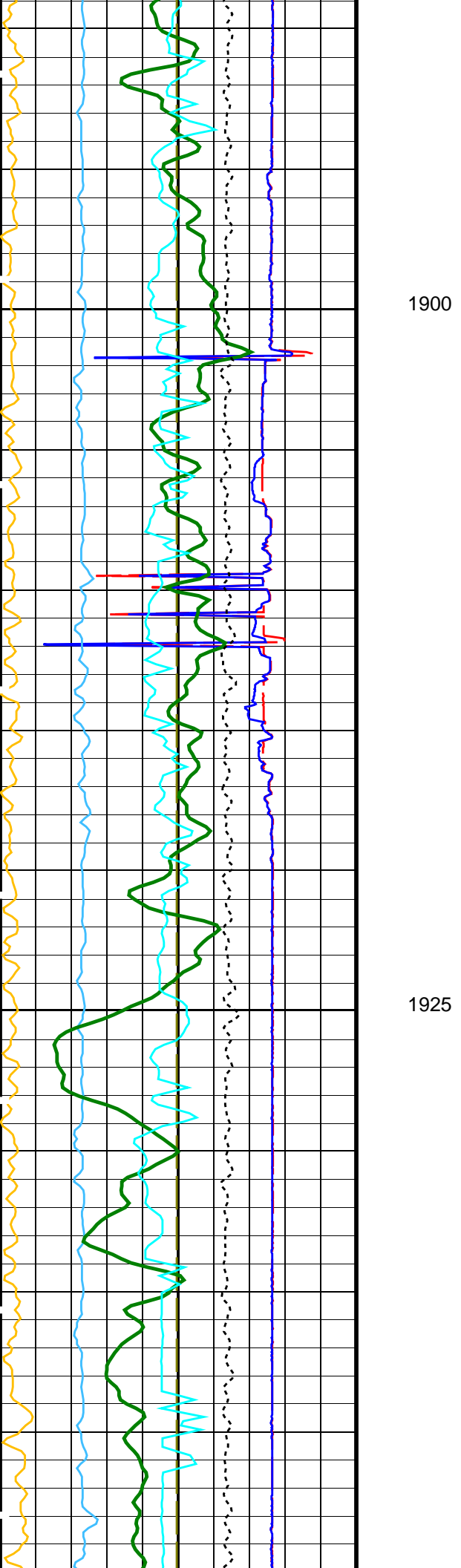


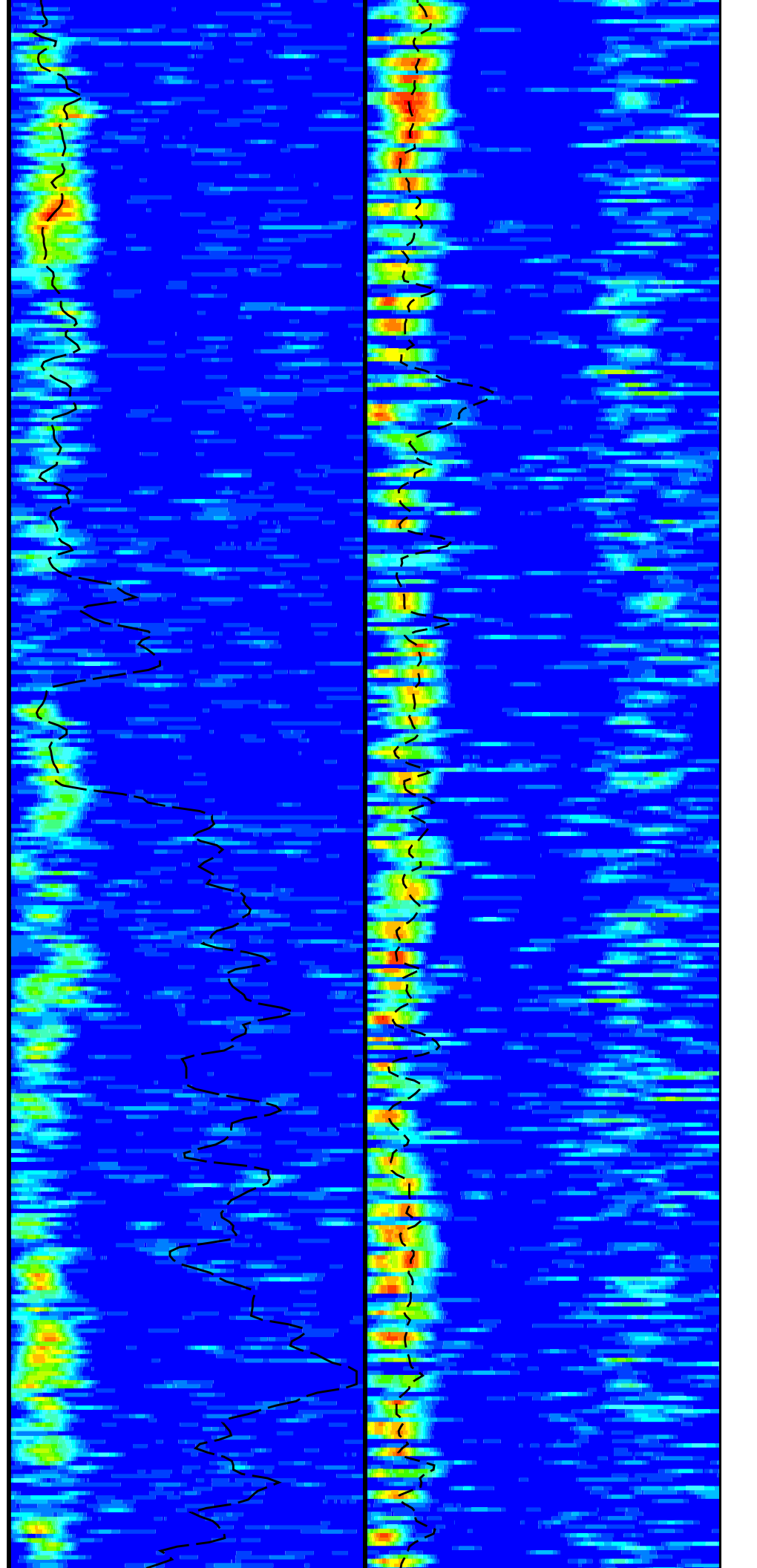
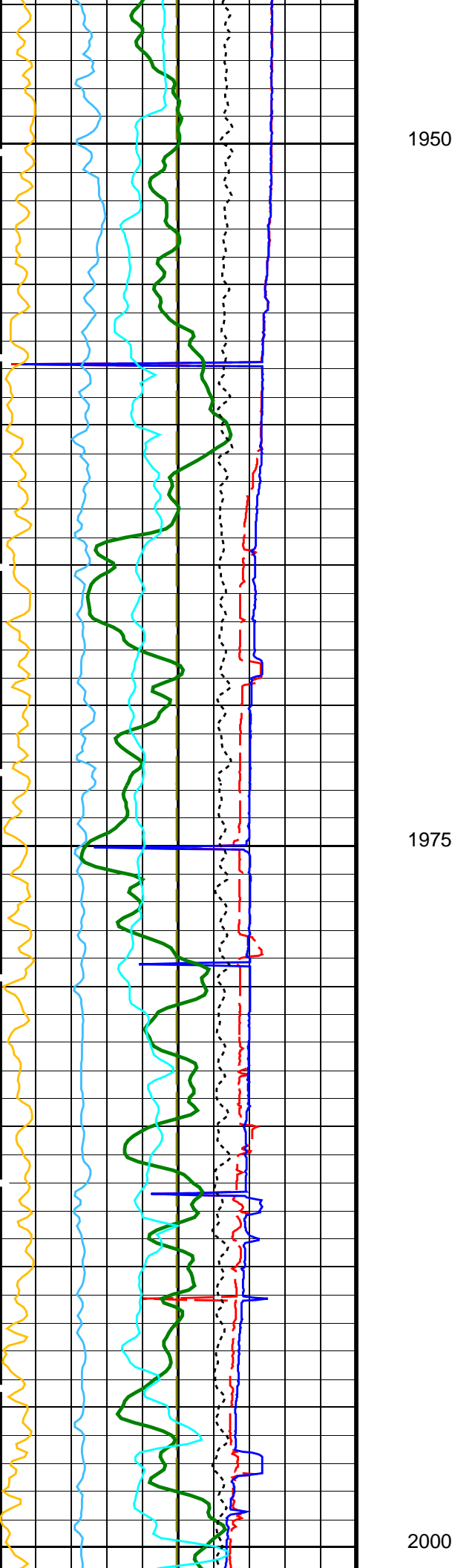


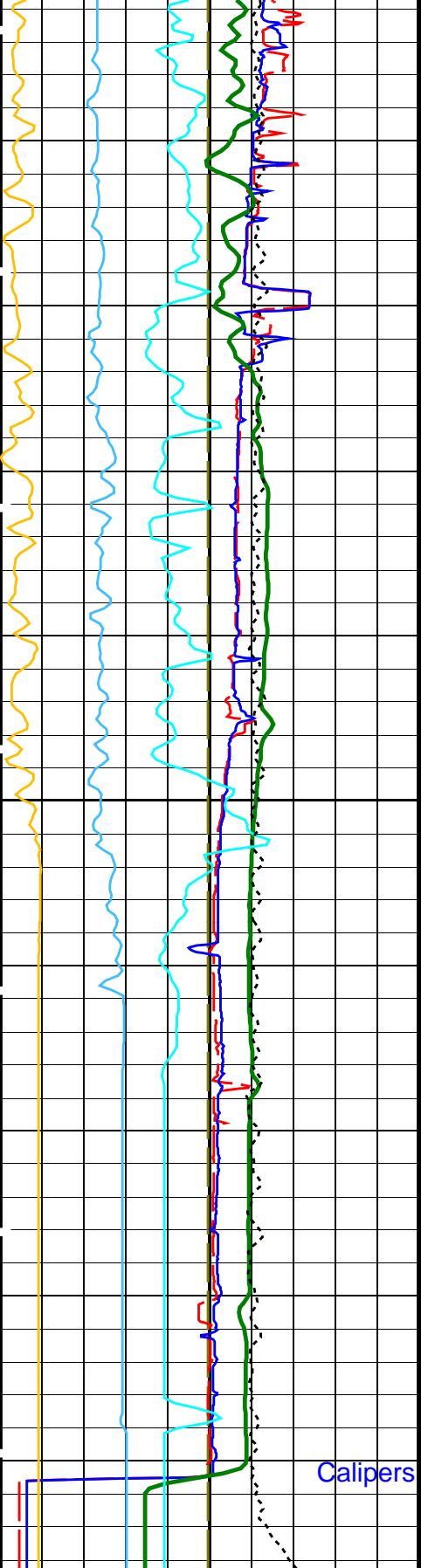
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1875







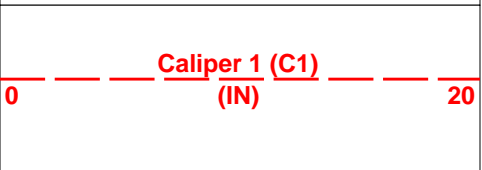
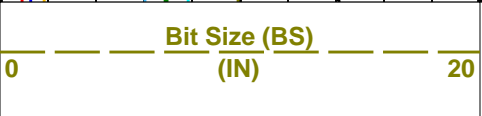


FR GR

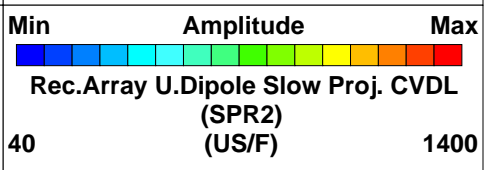
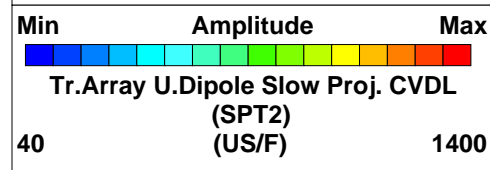
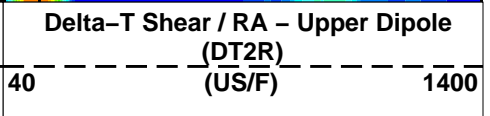
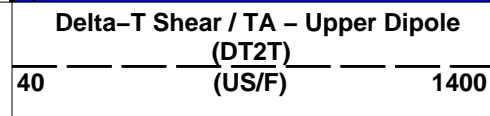
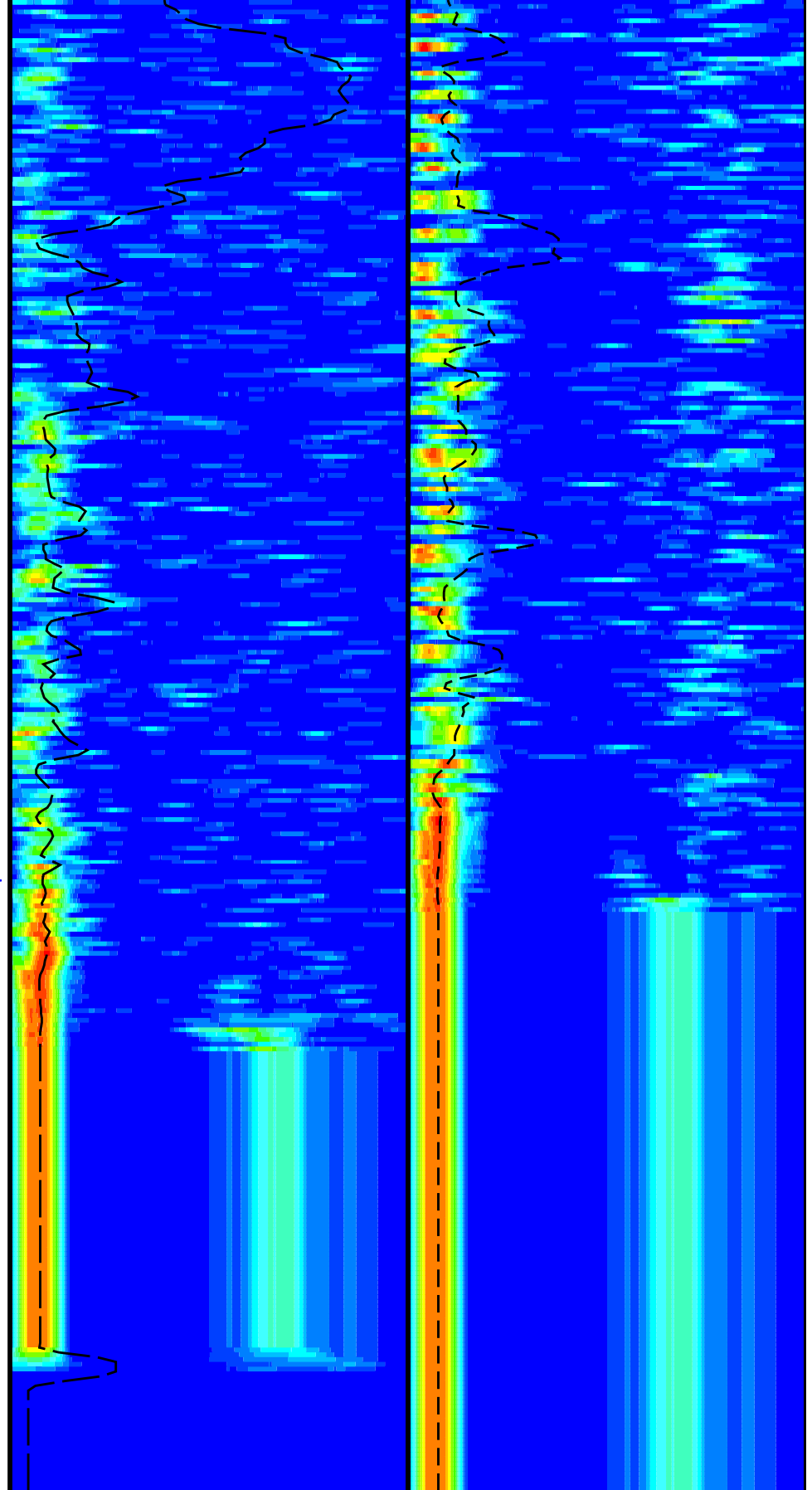
2025

FR DSI-

Calipers Opened TD



Caliper 2 (C2)



0	(IN)	20
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Tension (TENS)		
10000	(LBF)	0
Peak Coherence / RA – Upper Dipole (CHR2)		
0	(----)	10
Peak Coherence / TA – Upper Dipole (CHT2)		
-2	(----)	8
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
DDE2	Digitizing Delay 2	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source – Dipole Shear	USE
DSHL	Label Slowness Lower Limit – Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1400 US/F
DSI2	Digitizer Sample Interval 2	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC2	Digitizer Word Count 2	512
DWCX	Digitizer Word Count X	512
GCSE	Generalized Caliper Selection	C1
NWI2	Number Waveform Items 2	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
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	BCR
SAS2	STC Sonic Array Status – Upper Dipole	255
SBO2	STC Search Band Offset – Upper Dipole	3000 US
SBW2	STC Search Bandwidth – Upper Dipole	8000 US
SFC2	STC Formation Character – Upper Dipole	SELECTABLE
SFM2	STC Filter – Upper Dipole	B1-2K
SLL2	STC Slowness Lower Limit – Upper Dipole	40 US/F
SST2	STC Slowness Step – Upper Dipole	4 US/F
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2
SUL2	STC Slowness Upper Limit – Upper Dipole	1400 US/F
SWD2	STC Slowness Width – Upper Dipole	40 US/F
TBF2	STC Time for Baseline Fill – Upper Dipole	0 US
TLL2	STC Time Lower Limit – Upper Dipole	600 US
TST2	STC Time Step – Upper Dipole	200 US
TUL2	STC Time Upper Limit – Upper Dipole	20440 US
TWD2	STC Time Width – Upper Dipole	2000 US
TWI2	STC Integration Time Window – Upper Dipole	1600 US
TWSX	Transmitter Waveform Select X	0
UTXG	Upper Dipole Transmitter Geometry	162 IN
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	-0.00376997	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02259	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03819	
EDTC-B:	Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
	System and Miscellaneous		
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: SAM2_BHC Vertical Scale: 1:200 Graphics File Created: 21-Jun-2018 17:26

OP System Version: 19C0-187

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

Input DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_052PUP	FN:69	PRODUCER	21-Jun-2018 16:47	2048.3 M	1721.1 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_055PUP	FN:72	PRODUCER	21-Jun-2018 17:26		
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Company: International Ocean Discovery Program Well: Expedition 376, Site U1530A

Input DLIS Files

21-Jun-2018 16:47

Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_055PUP	FN:72	PRODUCER	21-Jun-2018 17:26	2048.3 M	1721.1 M
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OP System Version: 19C0-187

HLDS	19C0-187	MEST-B	19C0-187
DTA-A-8453	19C0-187	DSST-B	19C0-187
HNCC-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 4 - Monopole P&S (WCI4)		
0	(----)	10
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9

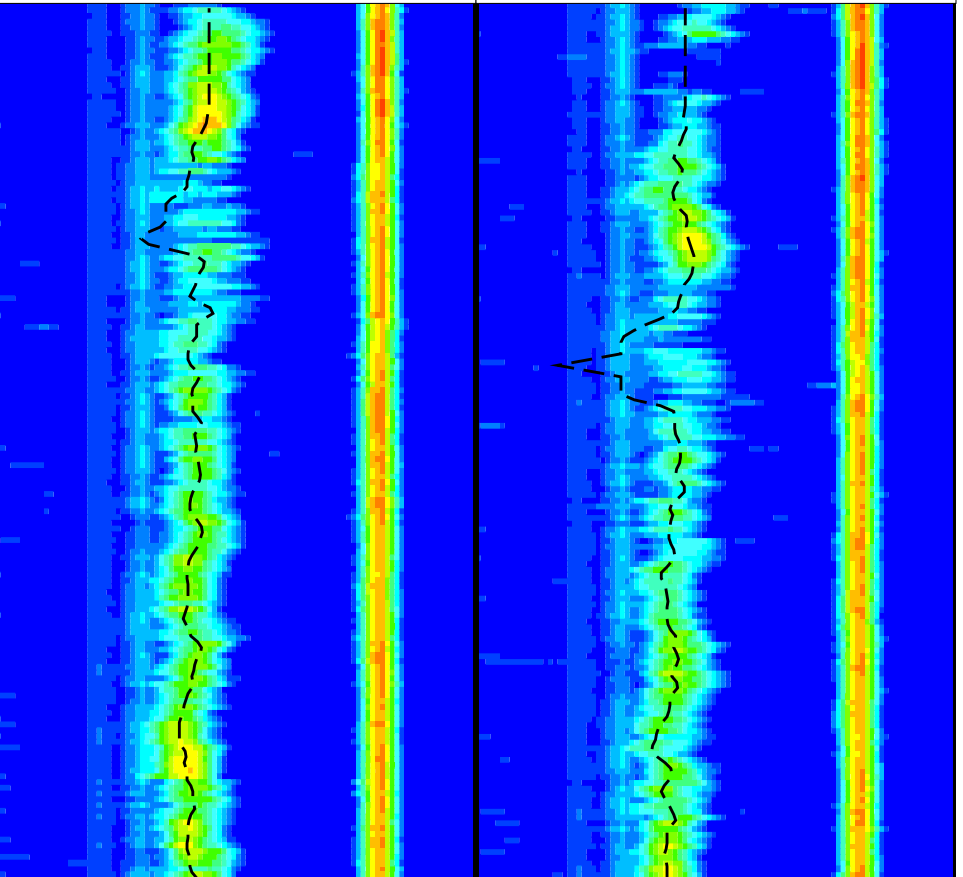
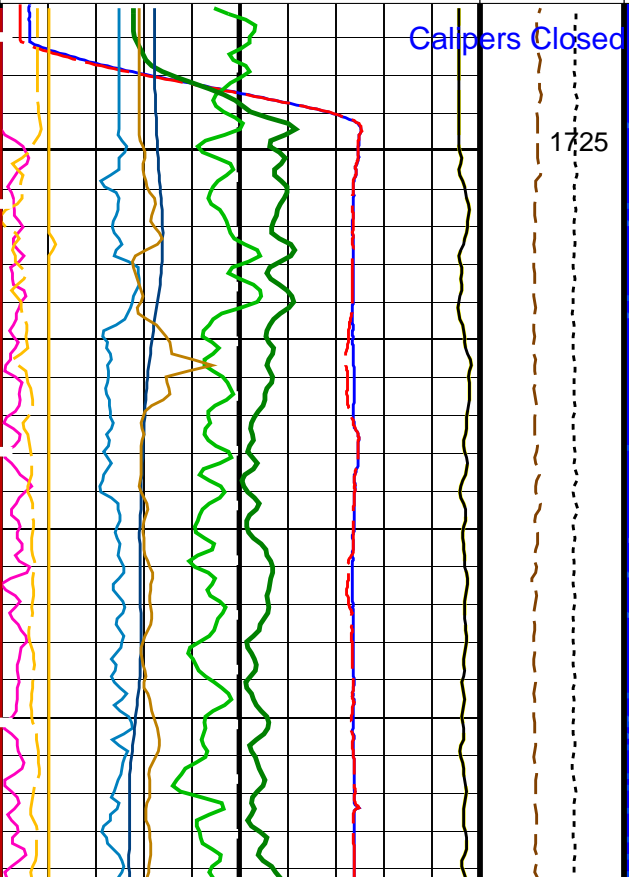
Peak Coherence / RA - P & S Comp (CHRP)	0	10
Peak Coherence / TA - Upper Dipole (CHT2)	-2	8
Peak Coherence / RA - Upper Dipole (CHR2)	0	10
Gamma Ray (GR_EDTC) (GAPI)	0	100
Poisson's Ratio (PR)	0	0.5
Sonic Velocity (SVEL) (M/S)	1000	6000
Sonde Deviation (SDEVM) (DEG)	0	10
Poisson's Ratio (PR)	0	0.5
Caliper 1 (C1) (IN)	0	20

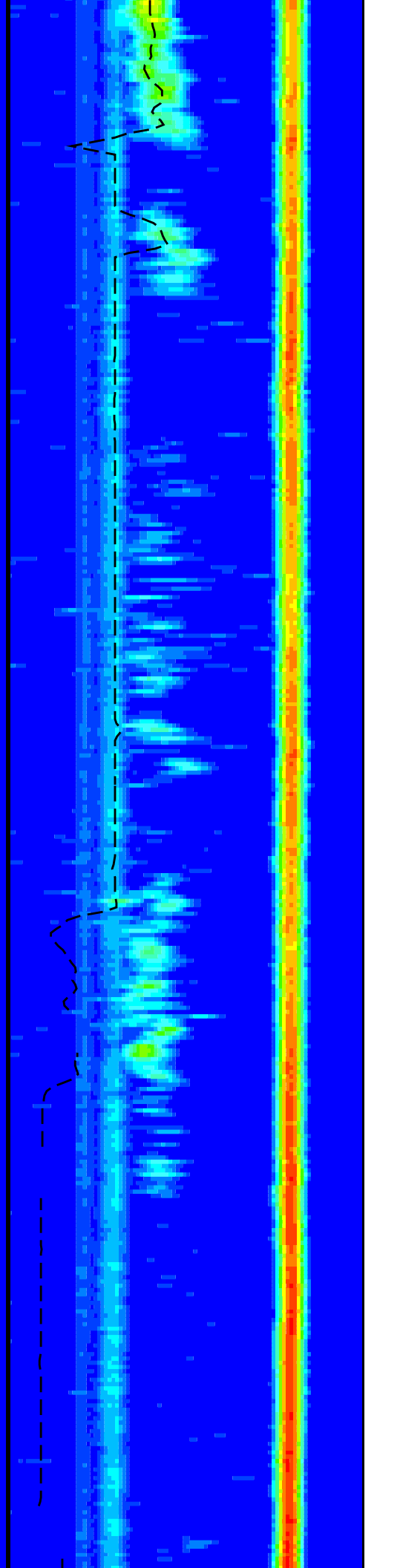
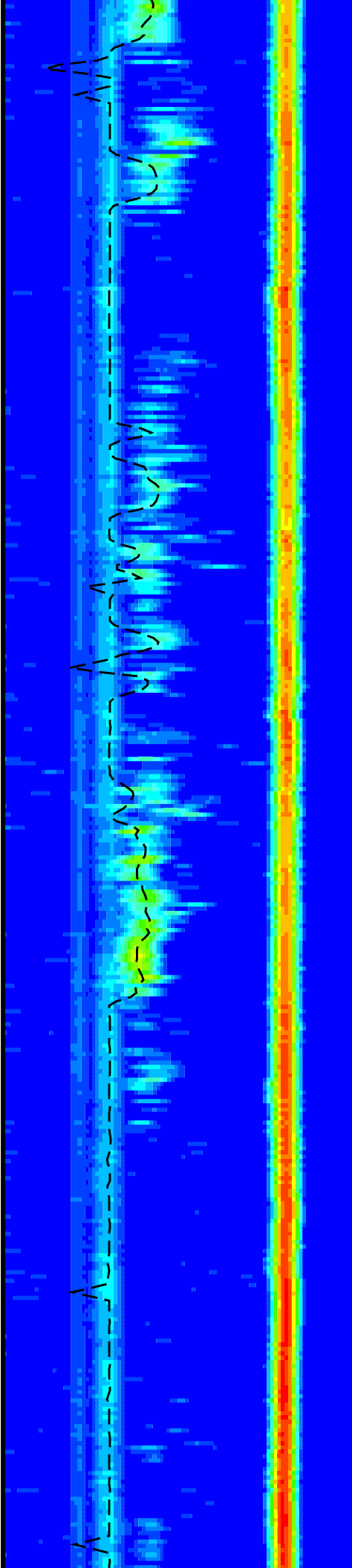
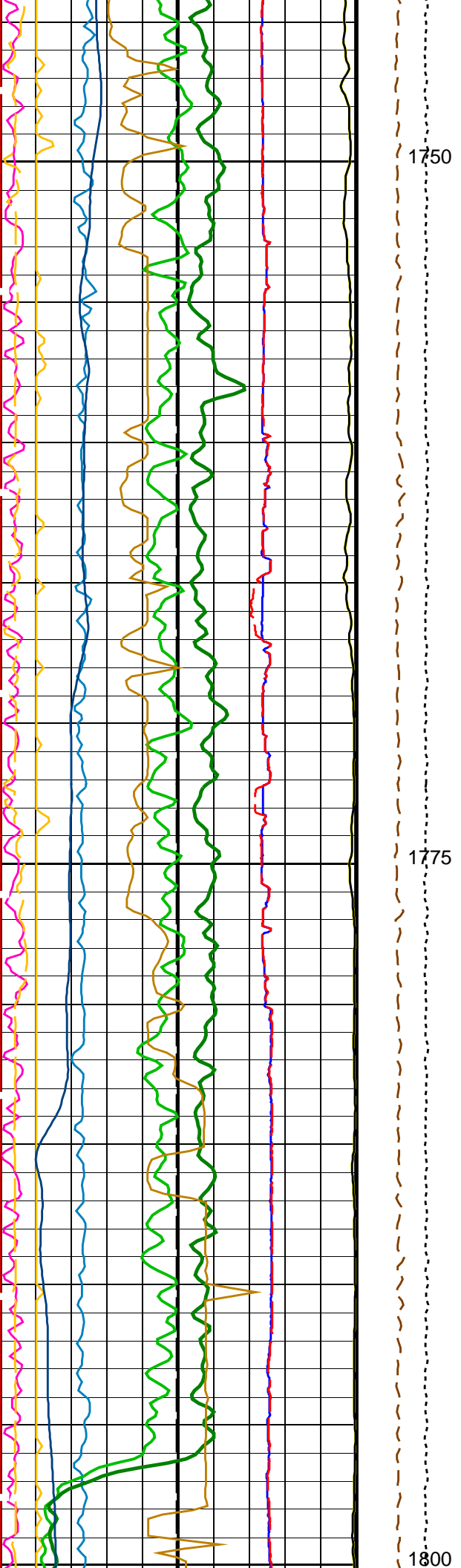
Uplog 1

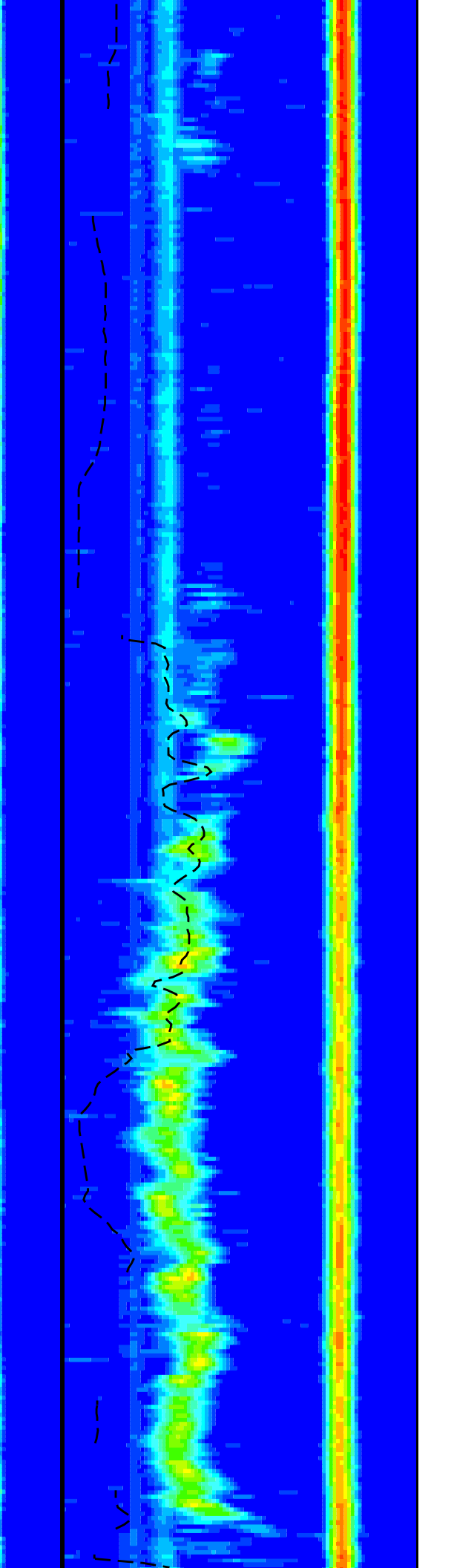
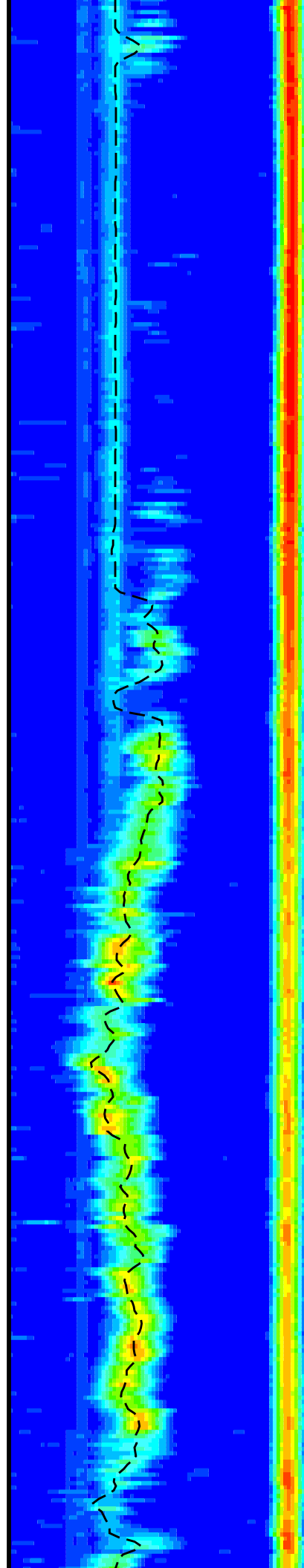
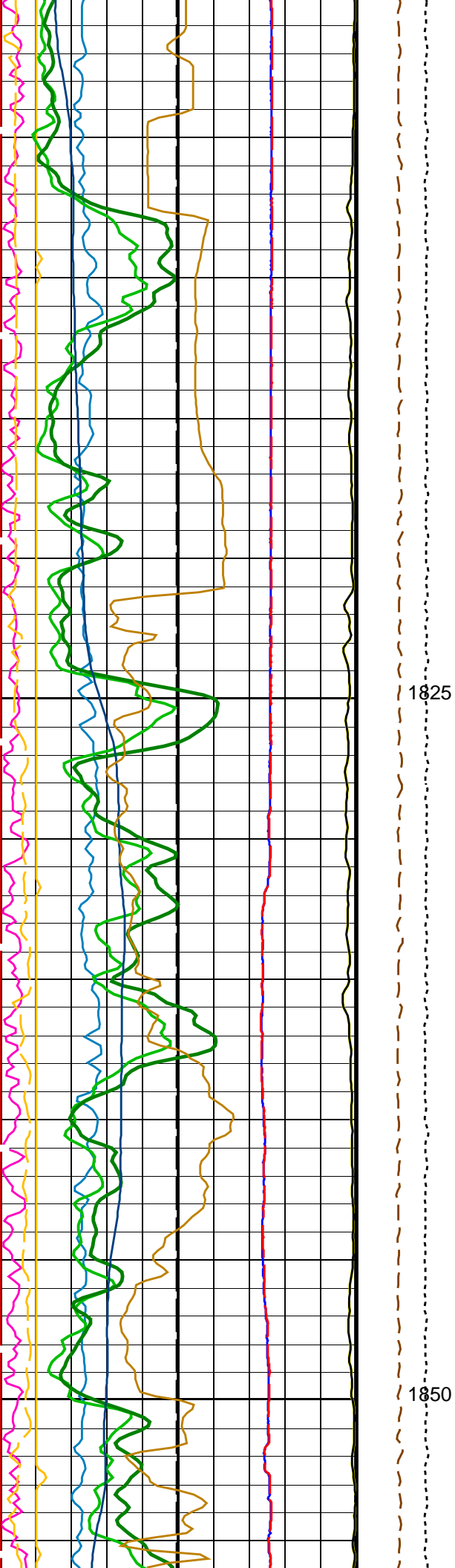
Caliper 2 (C2) (IN)	0	20
Bit Size (BS) (IN)	0	20

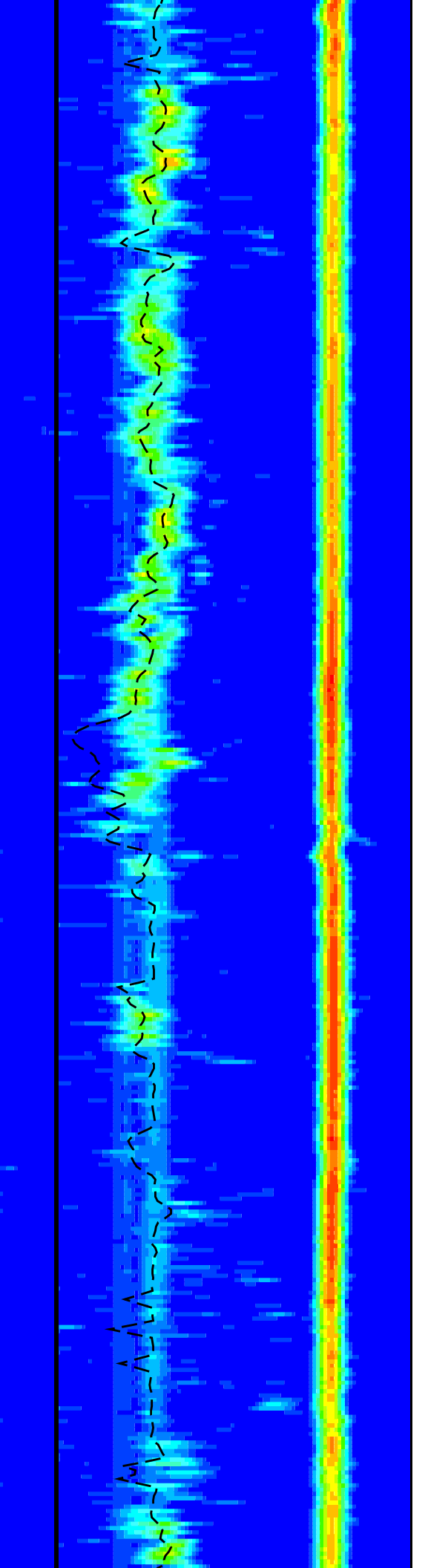
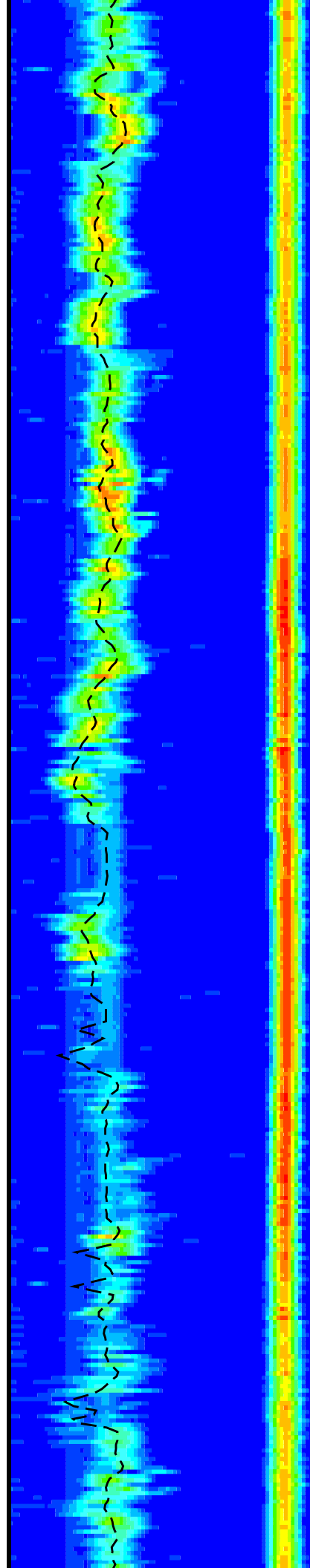
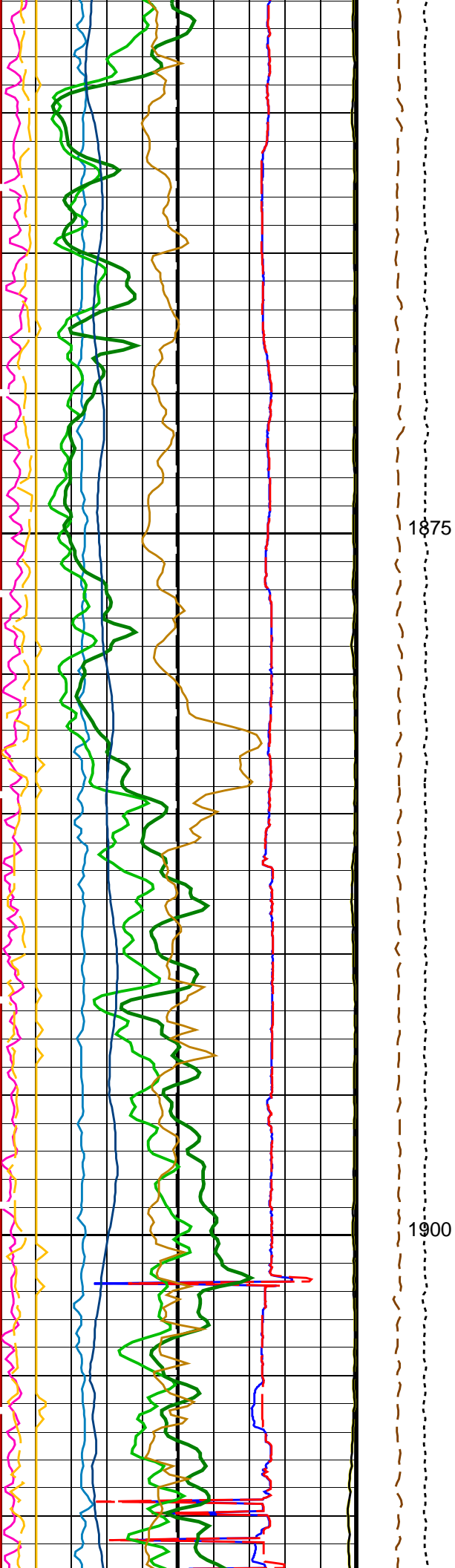
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Tension (TENS) (LBF)	10000	0

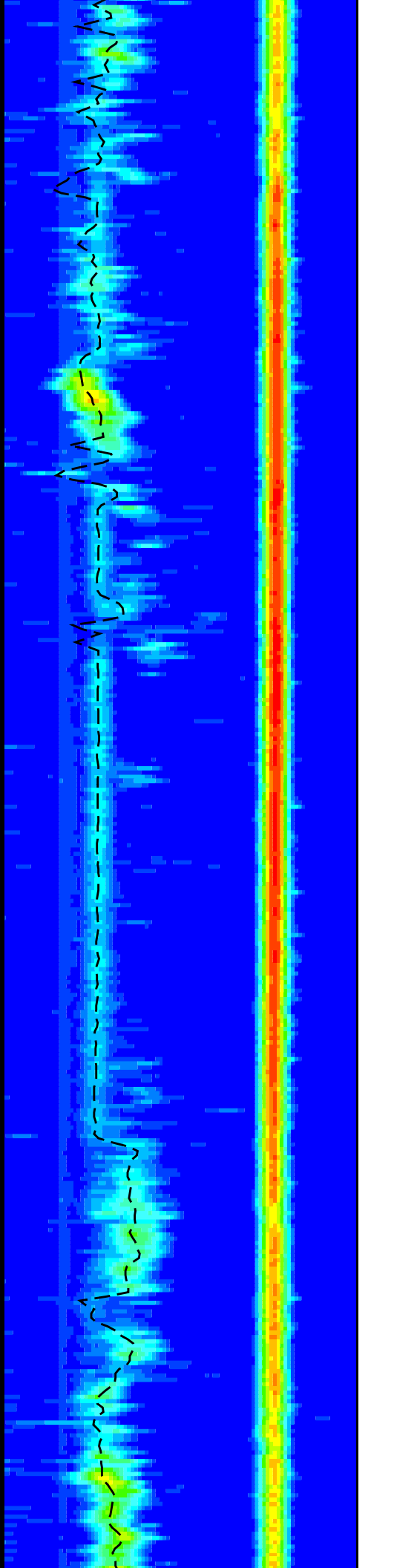
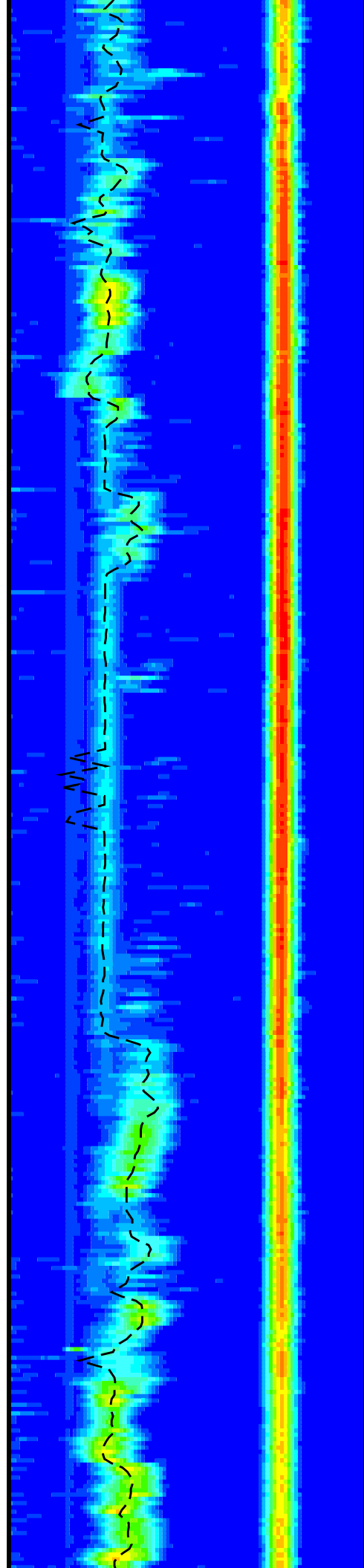
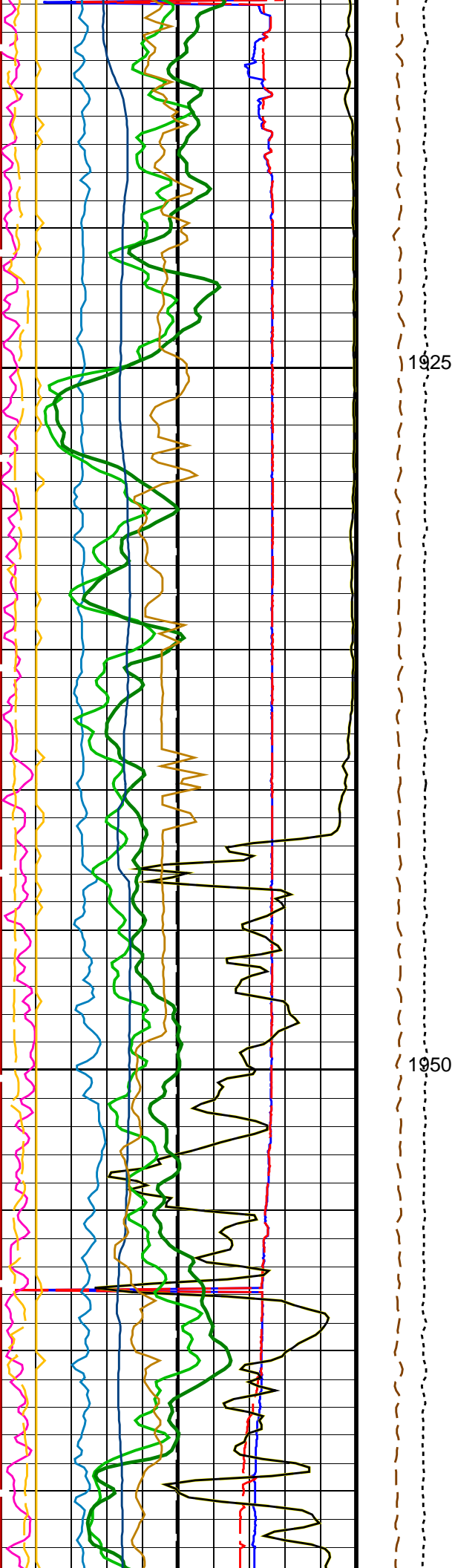
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40	Delta-T Comp / RA - P & S (DTRP) (US/F)	240	40	Delta-T Comp / TA - P & S (DTTP) (US/F)	240

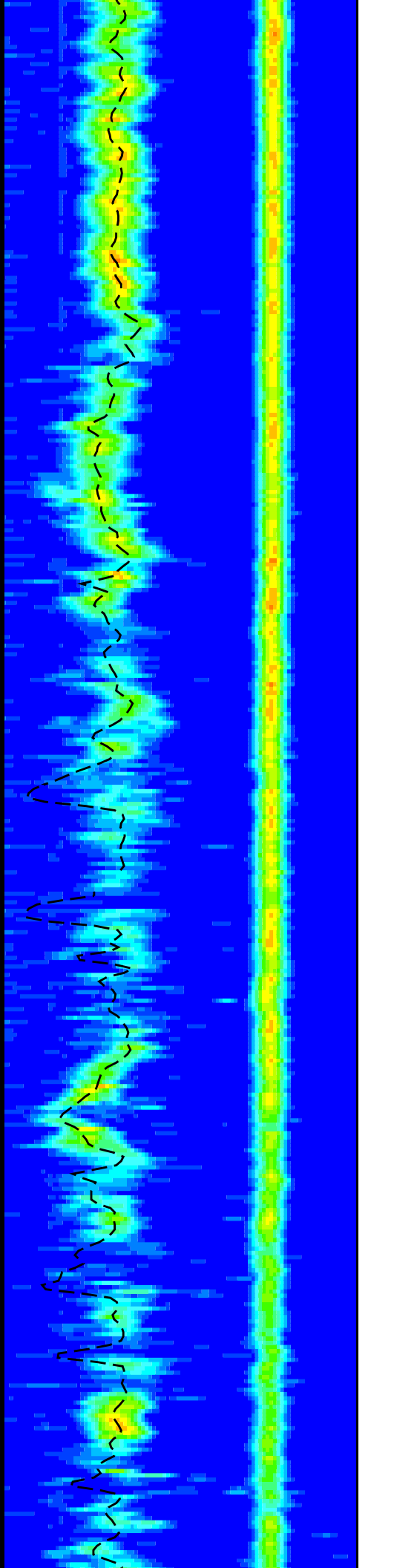
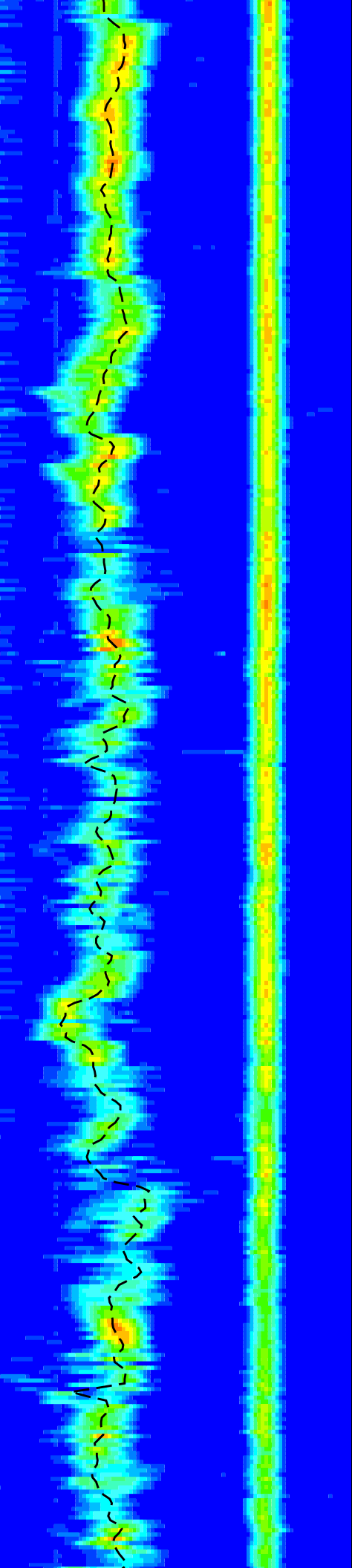
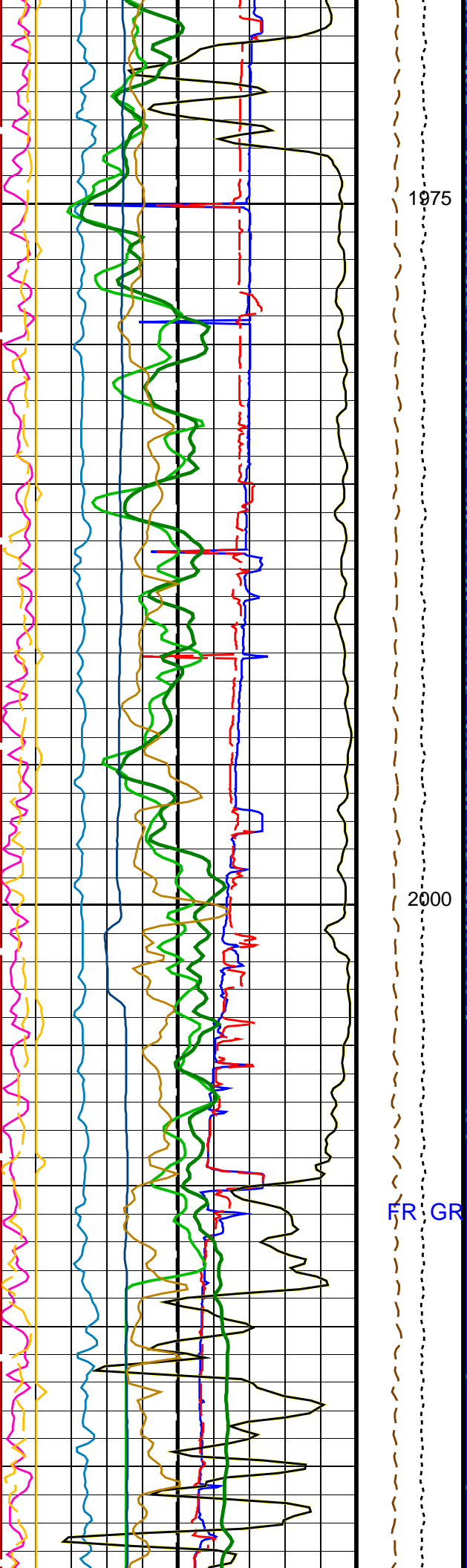




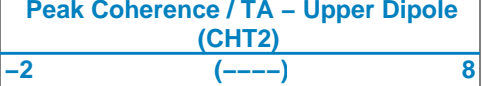
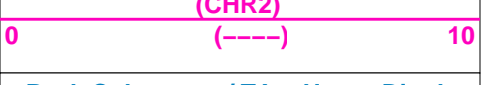
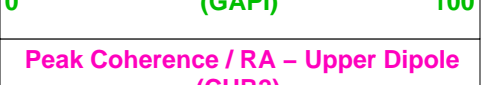
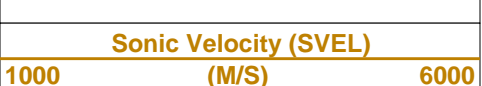
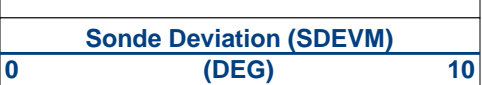
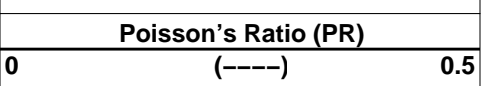
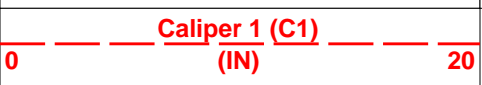
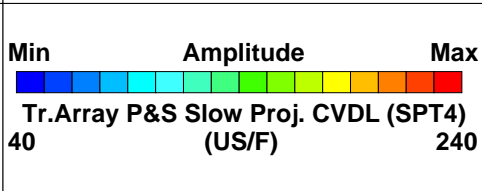
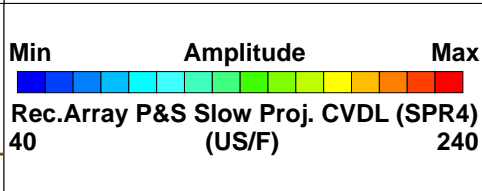
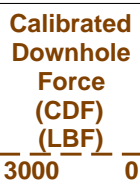
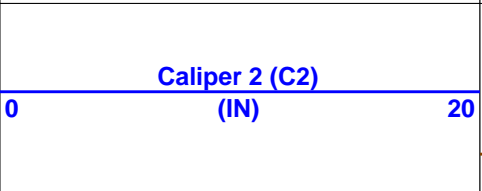
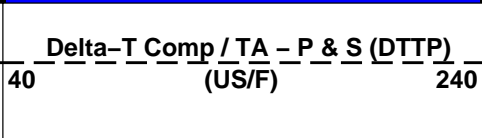
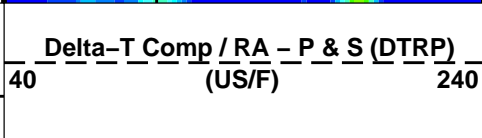
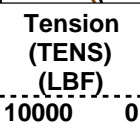
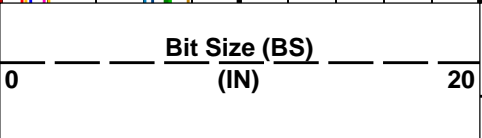
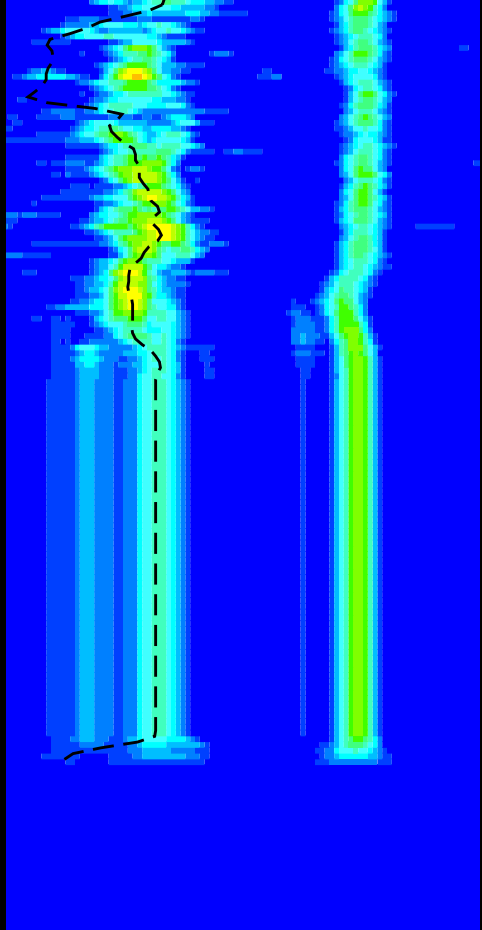
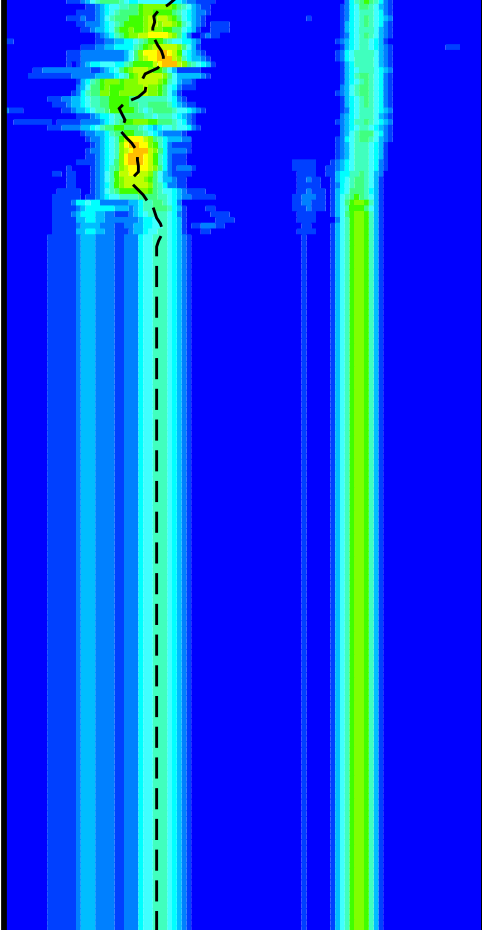
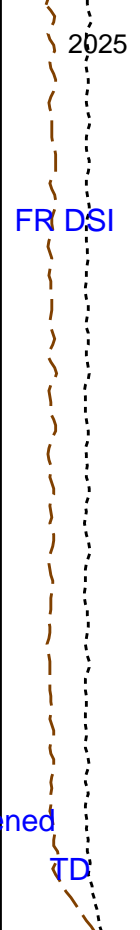
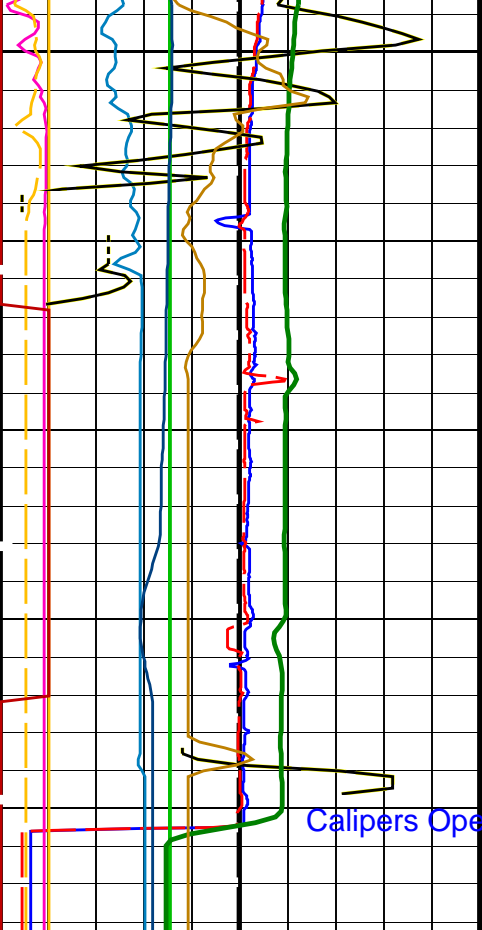








FR GR



Uplong 1

(-----)	10
Peak Coherence / RA – P & S Shear (CHRS)	
-1 (-----)	9
Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)	
0 (-----)	10
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	18.8286 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	40 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	180 US/F
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source – Dipole Shear	USE
DSHL	Label Slowness Lower Limit – Dipole Shear	40 US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	1400 US/F
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	189 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
GCSE	Generalized Caliper Selection	C1
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	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
SAS2	STC Sonic Array Status – Upper Dipole	255
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	75 US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	180 US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40 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	180 US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780 US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240 US/F
SWD4	STC Slowness Width – Monopole P&S	10 US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300 US

TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
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
WFM4	Waveform Mode 4	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	-0.00376997	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02259	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03819	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: Sam4_RA_TA_P&S Vertical Scale: 1:200 Graphics File Created: 21–Jun–2018 17:26

OP System Version: 19C0–187

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

Input DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_052PUP	FN:69	PRODUCER	21–Jun–2018 16:47	2048.3 M	1721.1 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_055PUP	FN:72	PRODUCER	21–Jun–2018 17:26		
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Company: International Ocean Discovery Program Well: Expedition 376, Site U1530A

Input DLIS Files

21–Jun–2018 16:47

Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_055PUP	FN:72	PRODUCER	21–Jun–2018 17:26	2048.3 M	1721.1 M
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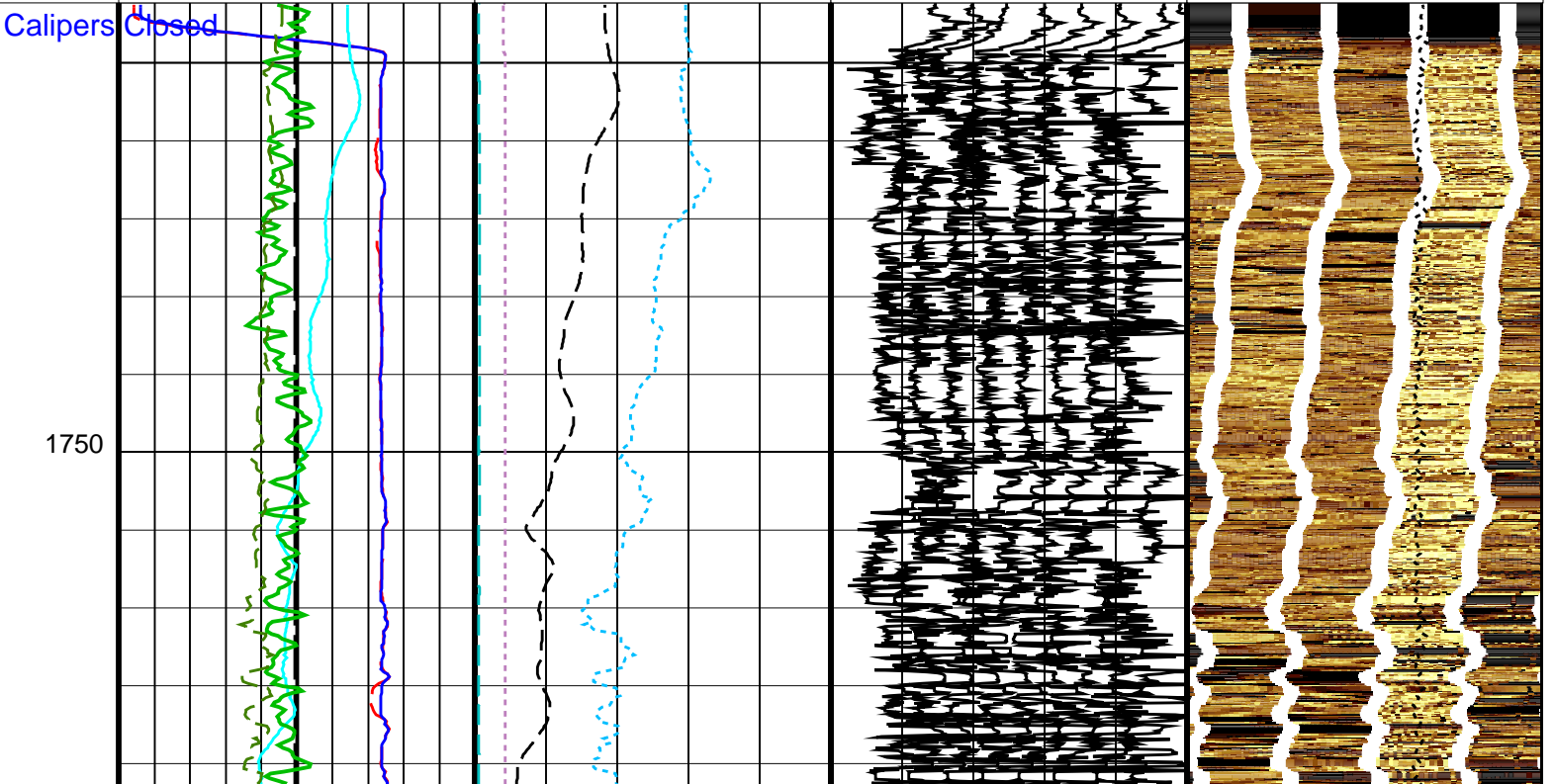
OP System Version: 19C0–187

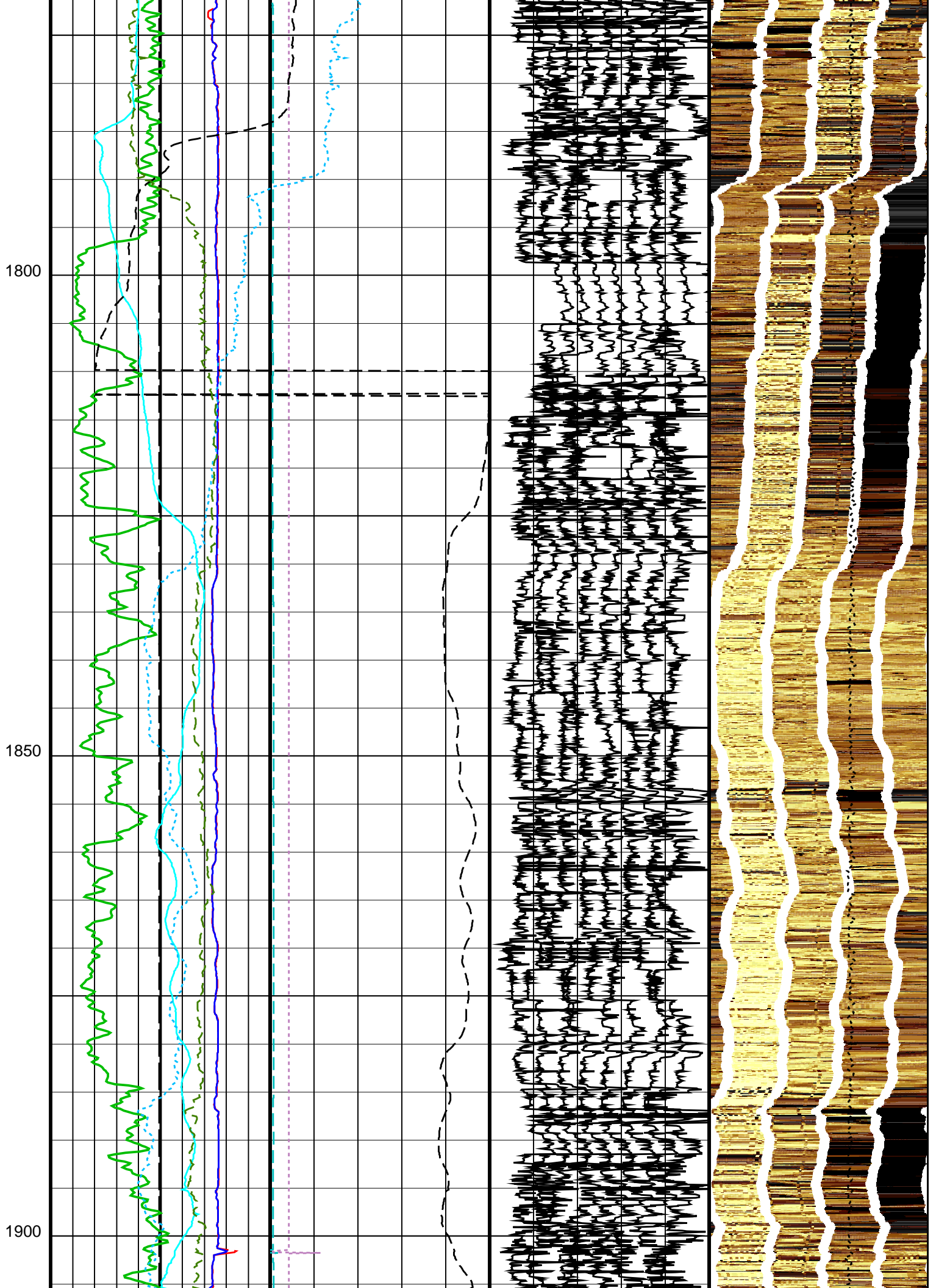
HLDS	19C0–187	MEST–B	19C0–187
DTA–A–8453	19C0–187	DSST–B	19C0–187
HNCC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	SKK–5169–EDTCB		

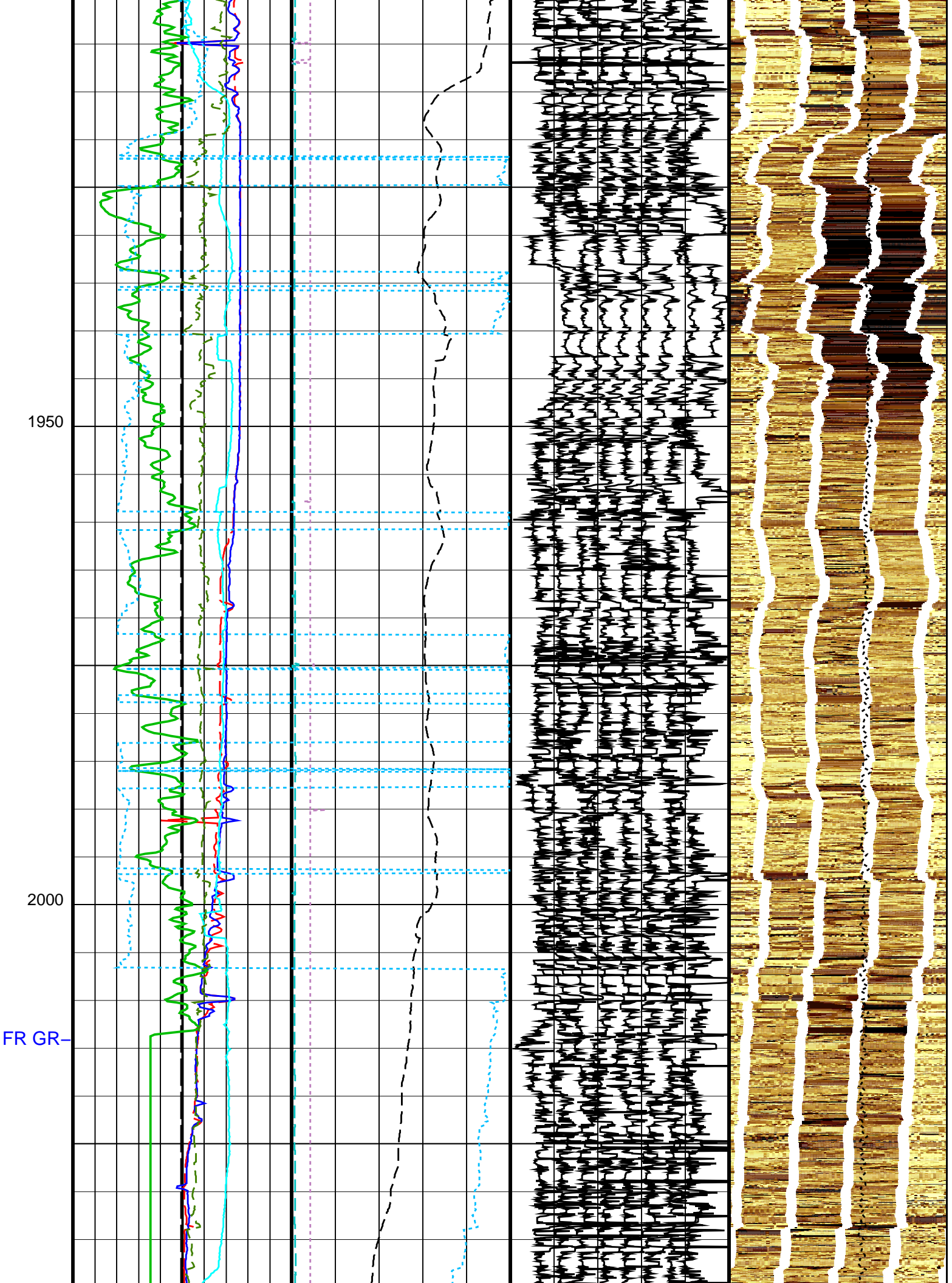
PIP SUMMARY

Time Mark Every 60 S

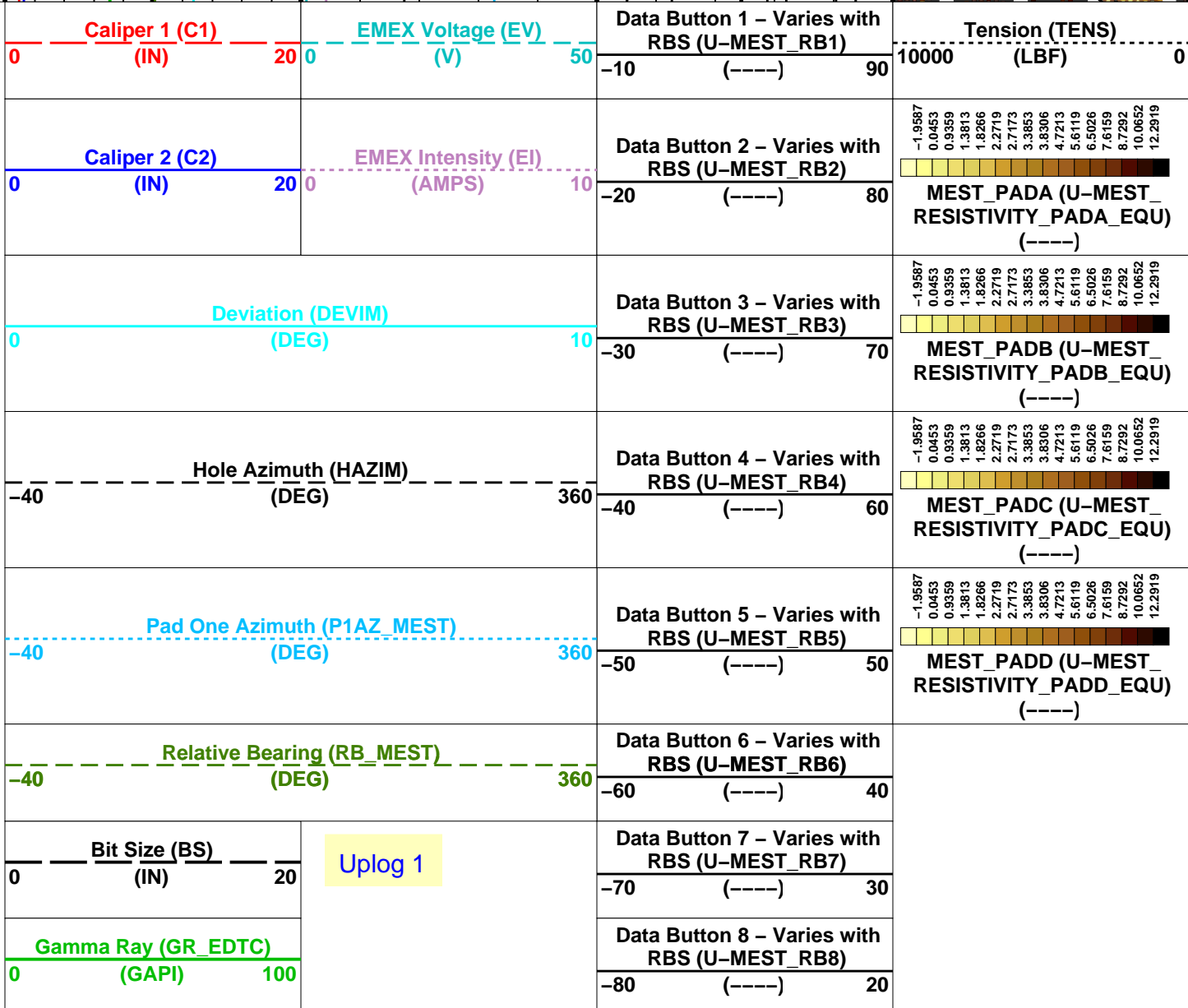
<p>Gamma Ray (GR_EDTC) 0 (GAPI) 100</p> <p>Bit Size (BS) 0 (IN) 20</p>	<p style="background-color: yellow;">Uplog 1</p>	<p>Data Button 8 - Varies with RBS (U-MEST_RB8) -80 (----) 20</p> <p>Data Button 7 - Varies with RBS (U-MEST_RB7) -70 (----) 30</p>	
<p>Relative Bearing (RB_MEST) -40 (DEG) 360</p>	<p>Data Button 6 - Varies with RBS (U-MEST_RB6) -60 (----) 40</p>		
<p>Pad One Azimuth (P1AZ_MEST) -40 (DEG) 360</p>	<p>Data Button 5 - Varies with RBS (U-MEST_RB5) -50 (----) 50</p>	<p>MEST_PADD (U-MEST_RESISTIVITY_PADD_EQU) (----)</p> <p>-1.9587 0.0453 0.9359 1.3813 1.8266 2.2719 2.7173 3.3853 3.8306 4.7213 5.6119 6.5026 7.6159 8.7292 10.0652 12.2919</p>	
<p>Hole Azimuth (HAZIM) -40 (DEG) 360</p>	<p>Data Button 4 - Varies with RBS (U-MEST_RB4) -40 (----) 60</p>	<p>MEST_PADC (U-MEST_RESISTIVITY_PADC_EQU) (----)</p> <p>-1.9587 0.0453 0.9359 1.3813 1.8266 2.2719 2.7173 3.3853 3.8306 4.7213 5.6119 6.5026 7.6159 8.7292 10.0652 12.2919</p>	
<p>Deviation (DEVIM) 0 (DEG) 10</p>	<p>Data Button 3 - Varies with RBS (U-MEST_RB3) -30 (----) 70</p>	<p>MEST_PADB (U-MEST_RESISTIVITY_PADB_EQU) (----)</p> <p>-1.9587 0.0453 0.9359 1.3813 1.8266 2.2719 2.7173 3.3853 3.8306 4.7213 5.6119 6.5026 7.6159 8.7292 10.0652 12.2919</p>	
<p>Caliper 2 (C2) 0 (IN) 20</p>	<p>EMEX Intensity (EI) 0 (AMPS) 10</p>	<p>Data Button 2 - Varies with RBS (U-MEST_RB2) -20 (----) 80</p>	<p>MEST_PADA (U-MEST_RESISTIVITY_PADA_EQU) (----)</p> <p>-1.9587 0.0453 0.9359 1.3813 1.8266 2.2719 2.7173 3.3853 3.8306 4.7213 5.6119 6.5026 7.6159 8.7292 10.0652 12.2919</p>
<p>Caliper 1 (C1) 0 (IN) 20</p>	<p>EMEX Voltage (EV) 0 (V) 50</p>	<p>Data Button 1 - Varies with RBS (U-MEST_RB1) -10 (----) 90</p>	<p>Tension (TENS) 10000 (LBF) 0</p>







Calipers Opened
TD



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	18.8286 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	RECOMPUTE

Format: MEST_C_WRAP_BY_P1AZ_1 Vertical Scale: 1:480 Graphics File Created: 21-Jun-2018 17:26

OP System Version: 19C0-187

HLDS	19C0-187	MEST-B	19C0-187
DTA-A-8453	19C0-187	DSST-B	19C0-187
UNCC-B	19C0-187	UNCC-BA	19C0-187

Input DLIS Files

DEFAULT LDL_FMS_DSI_NGS_052PUP FN:69 PRODUCER 21-Jun-2018 16:47 2048.3 M 1721.1 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_055PUP FN:72 PRODUCER 21-Jun-2018 17:26

Company: International Ocean Discovery Program Well: Expedition 376, Site U1530A

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP FN:68 21-Jun-2018 13:28 2046.0 M 1495.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_056PUP FN:73 PRODUCER 21-Jun-2018 17:29 2046.0 M 1495.2 M

OP System Version: 19C0-187

HLDS	19C0-187	MEST-B	19C0-187
DTA-A-8453	19C0-187	DSST-B	19C0-187
HNCC-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

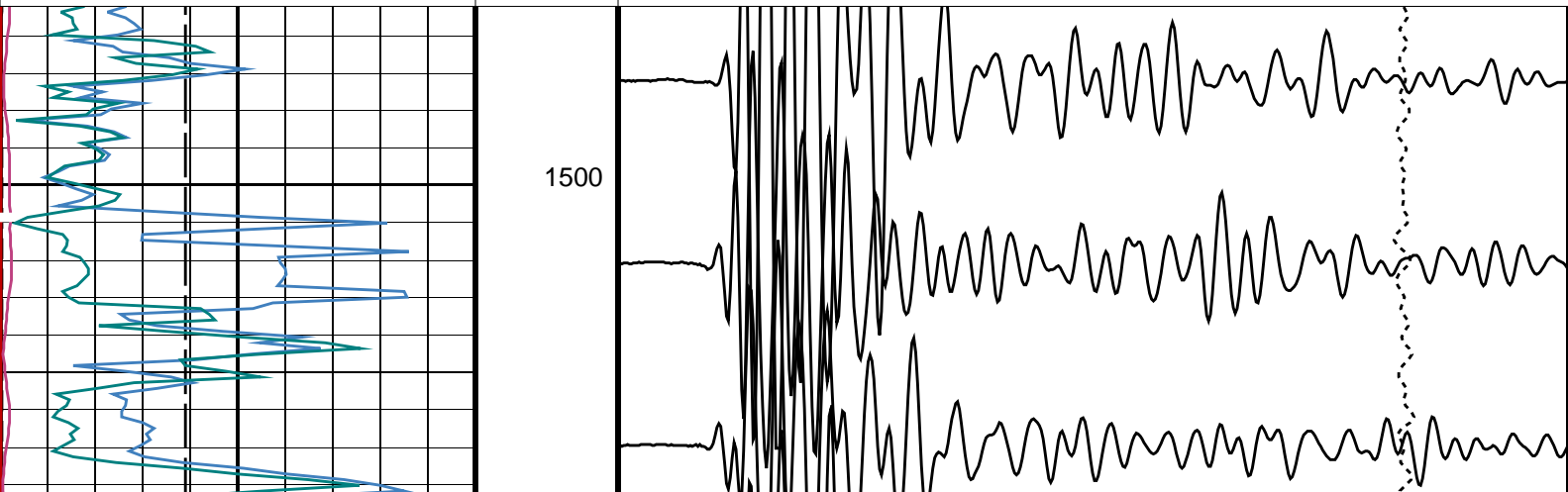
SAMX BCR Uplong #2

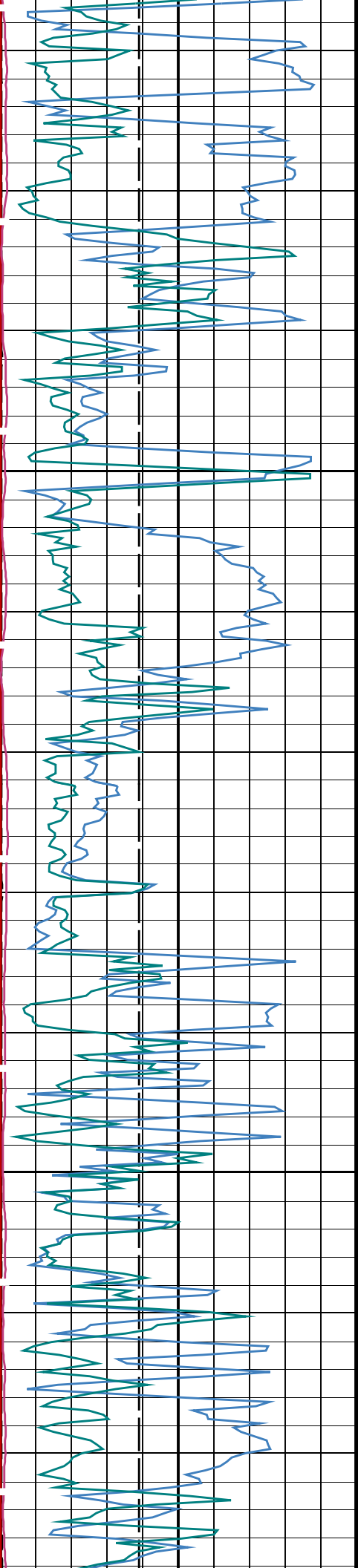
Tension (TENS)
(LBF)

10000 0

SAMX Waveforms (WFX)

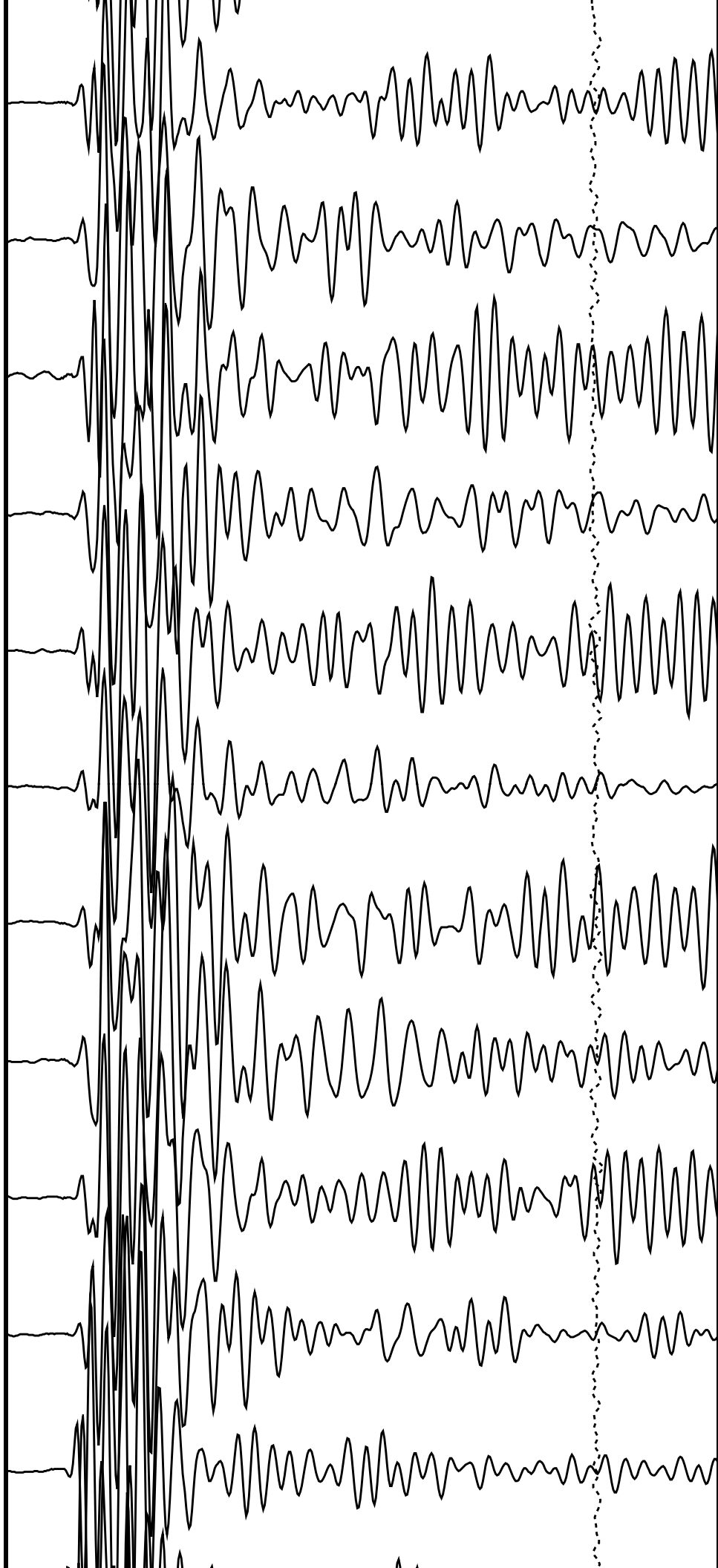
0 (US) 20000

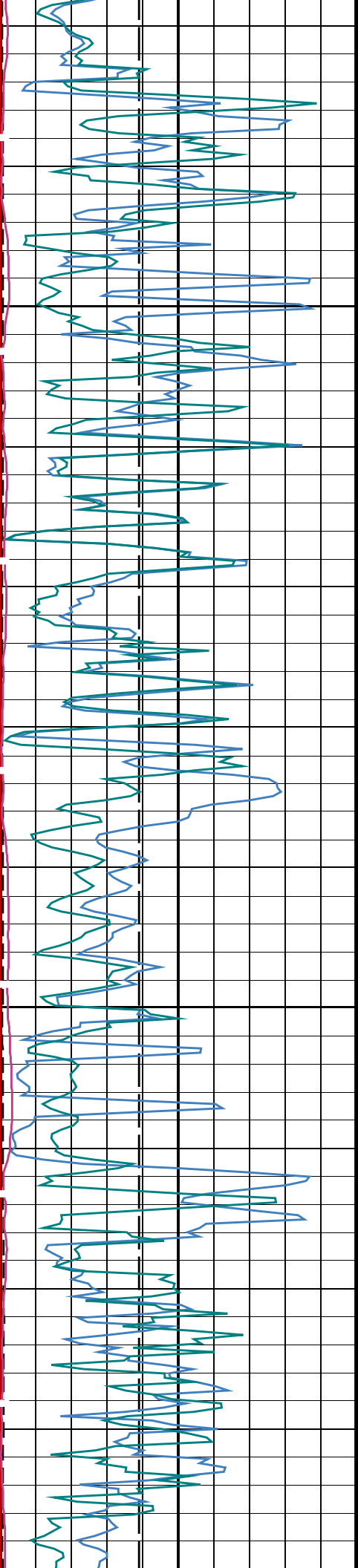




1525

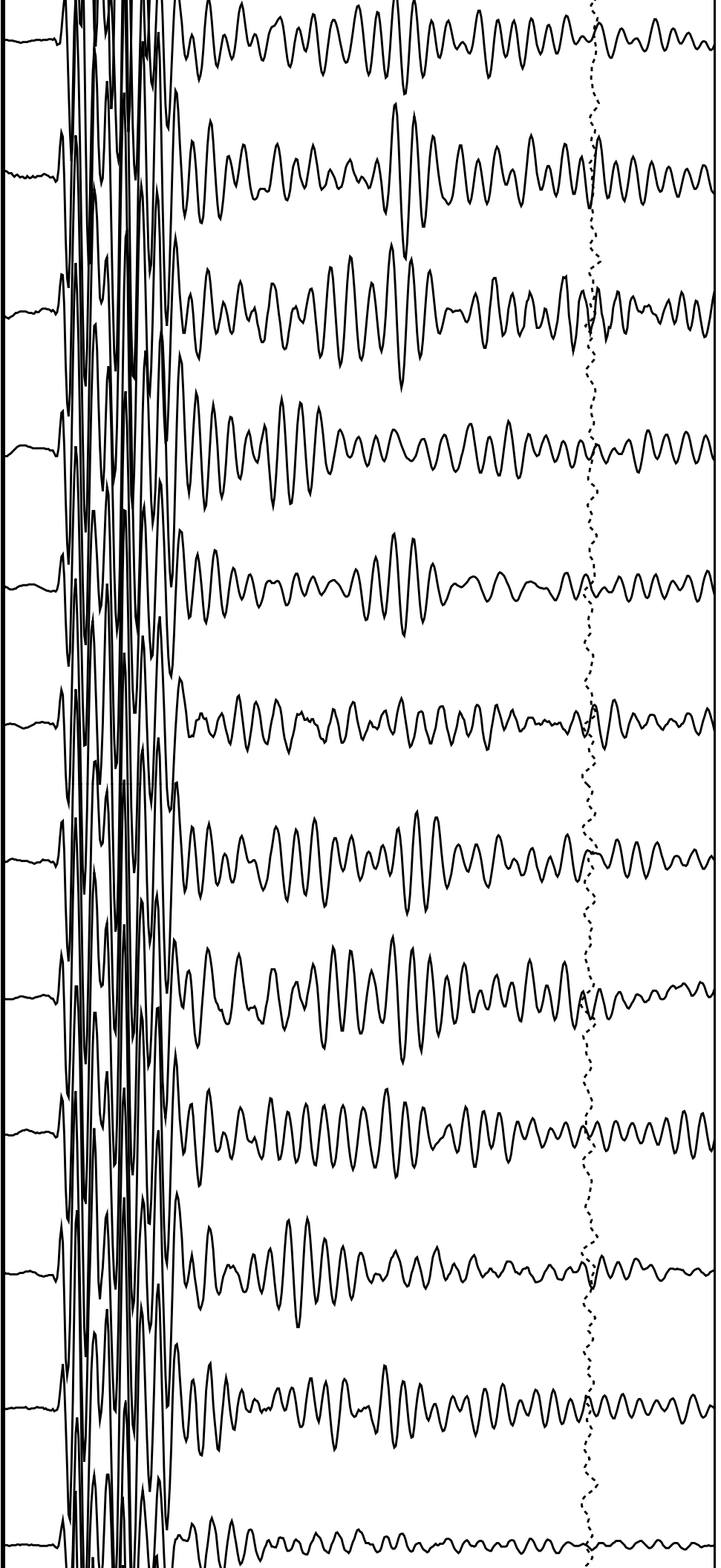
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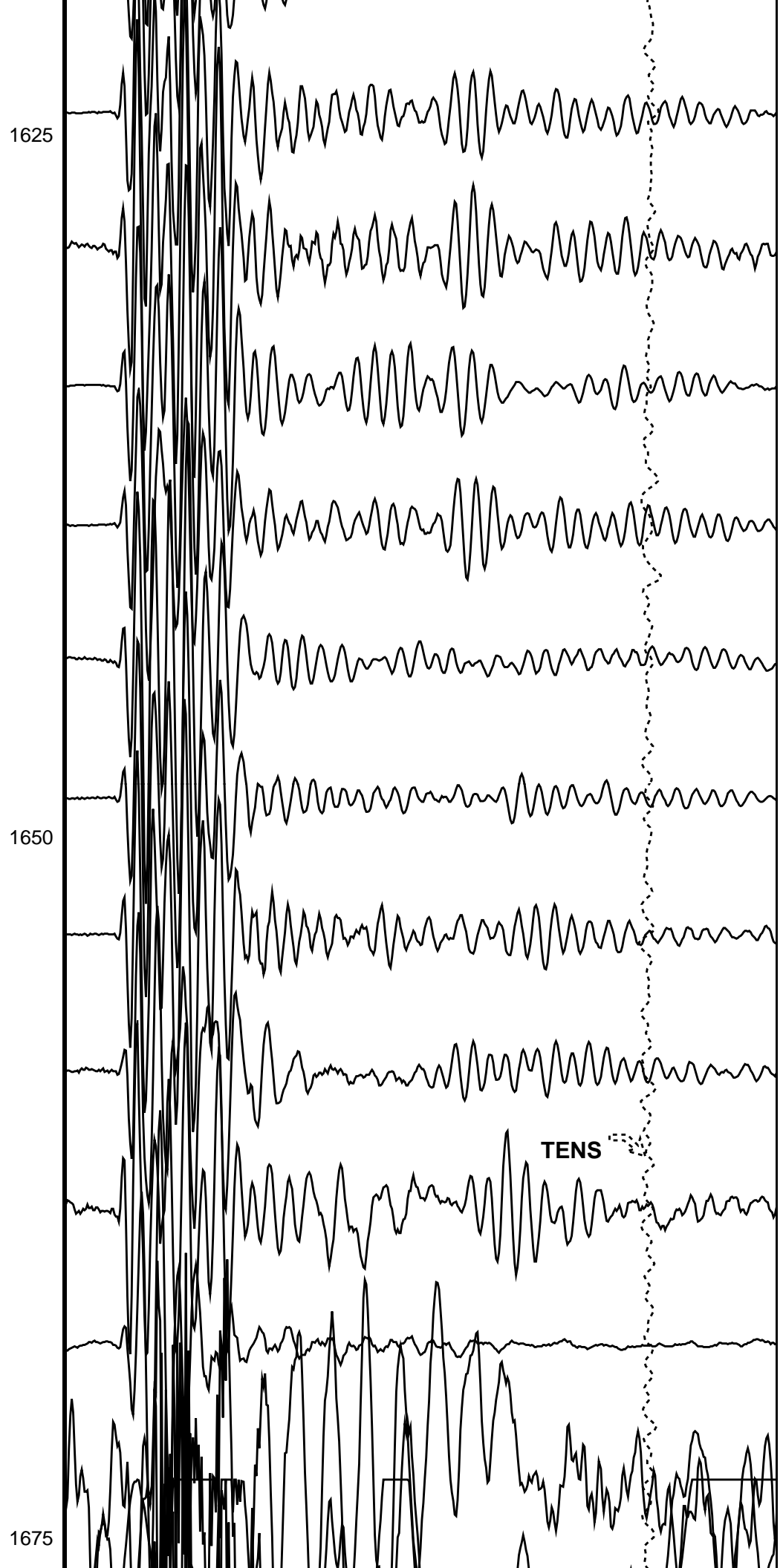
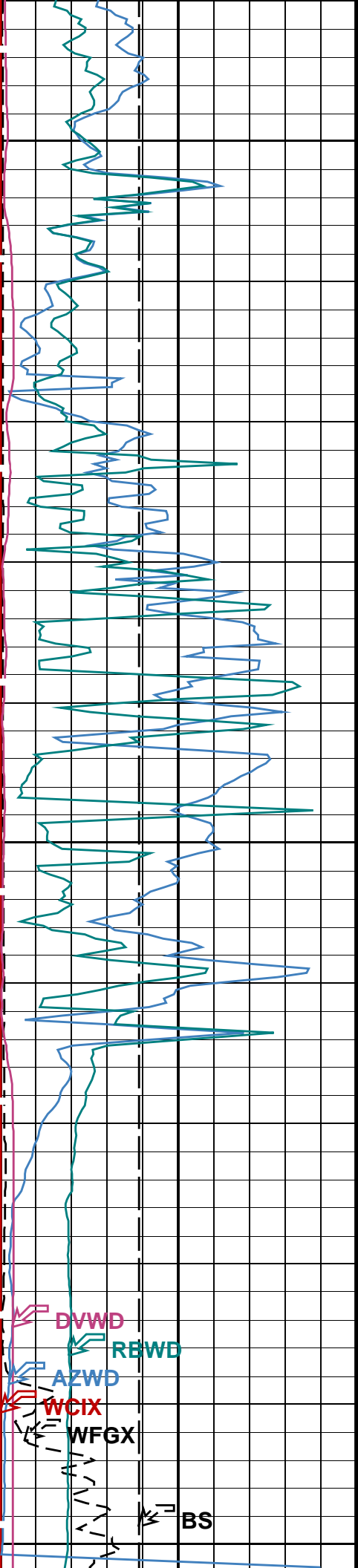


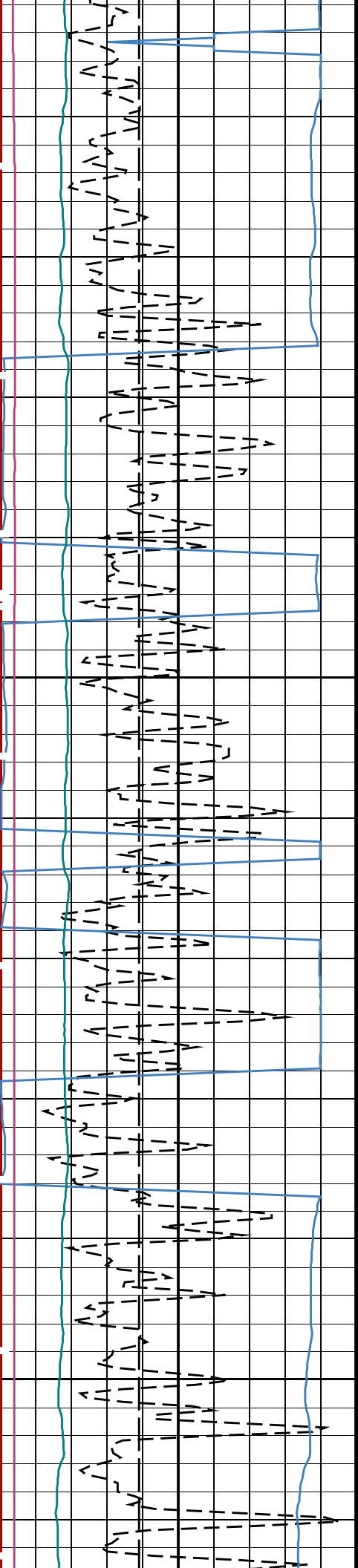


1575

1600

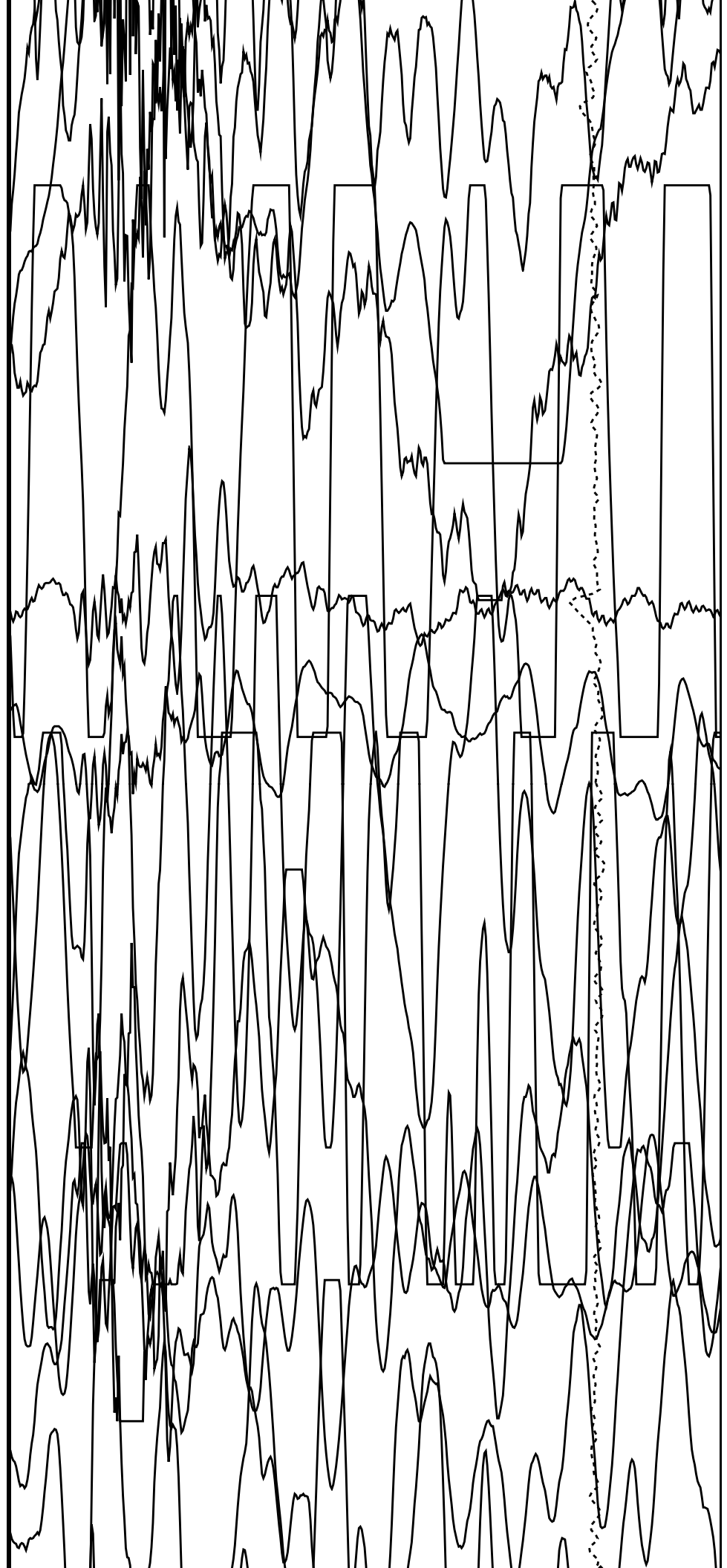


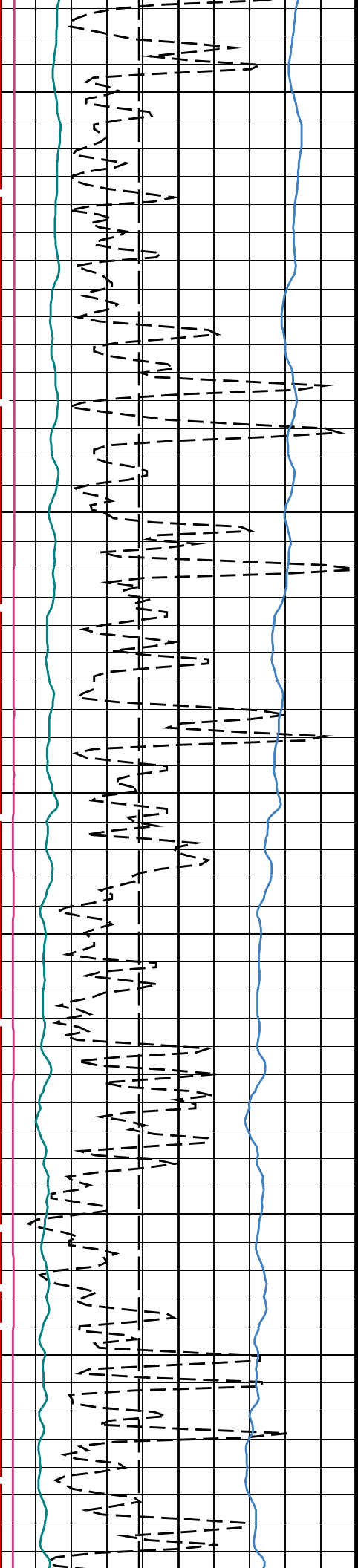




1700

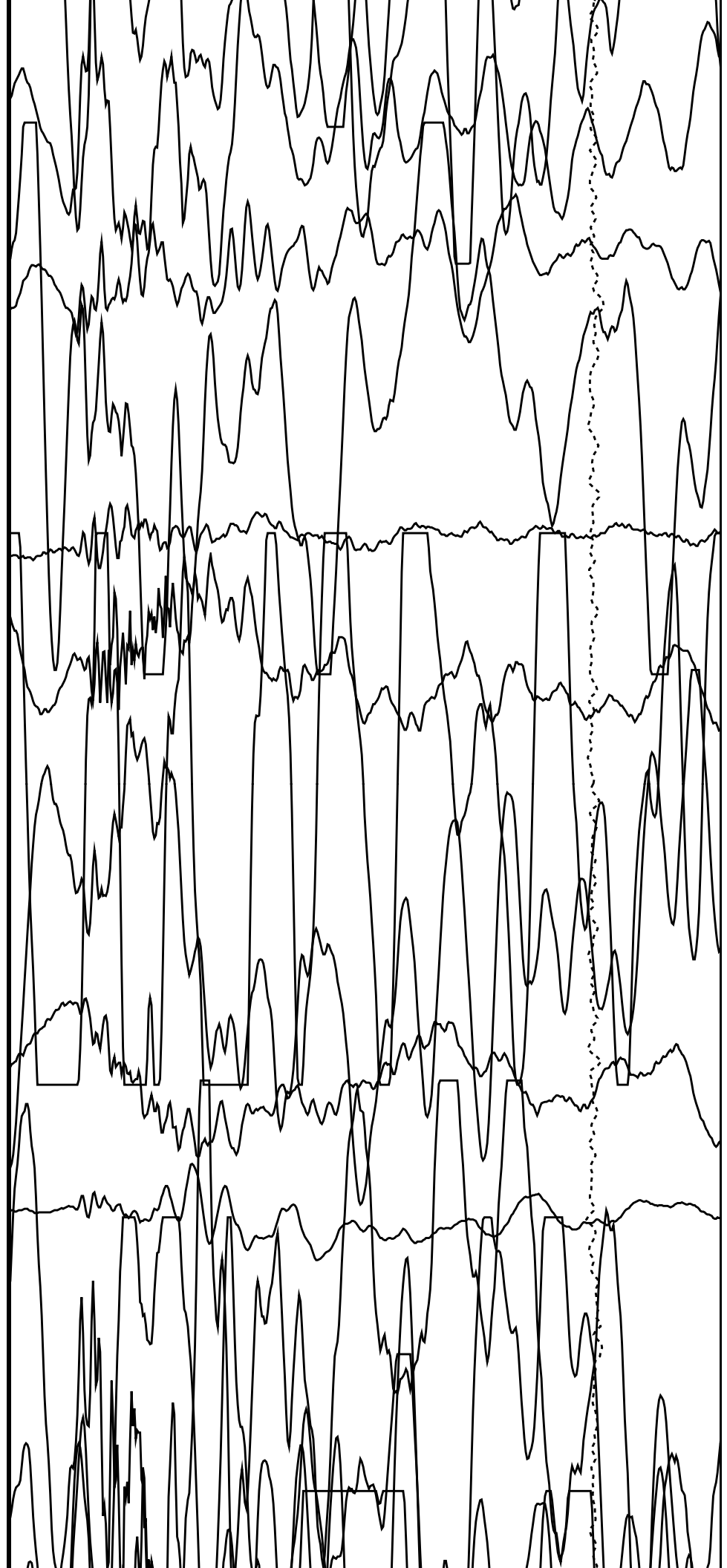
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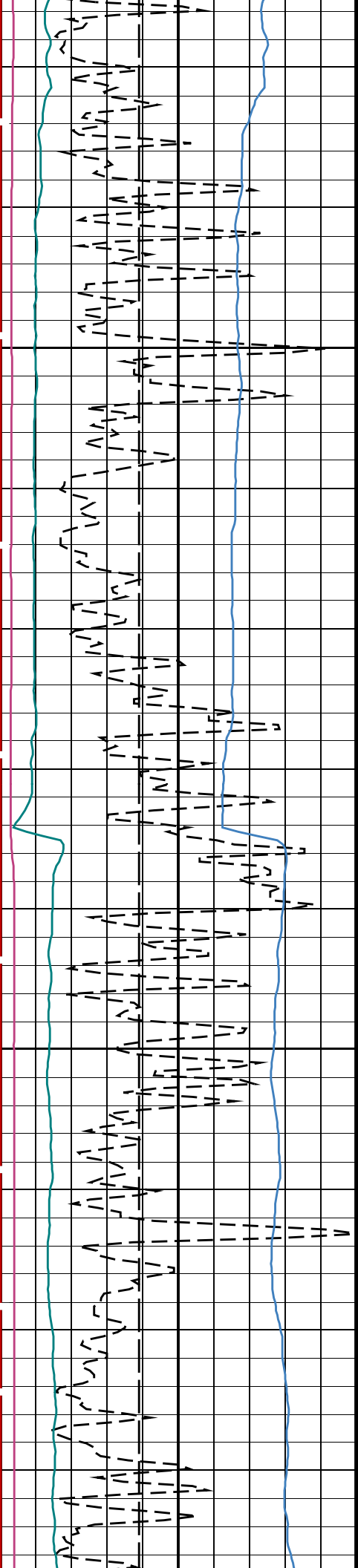




1750

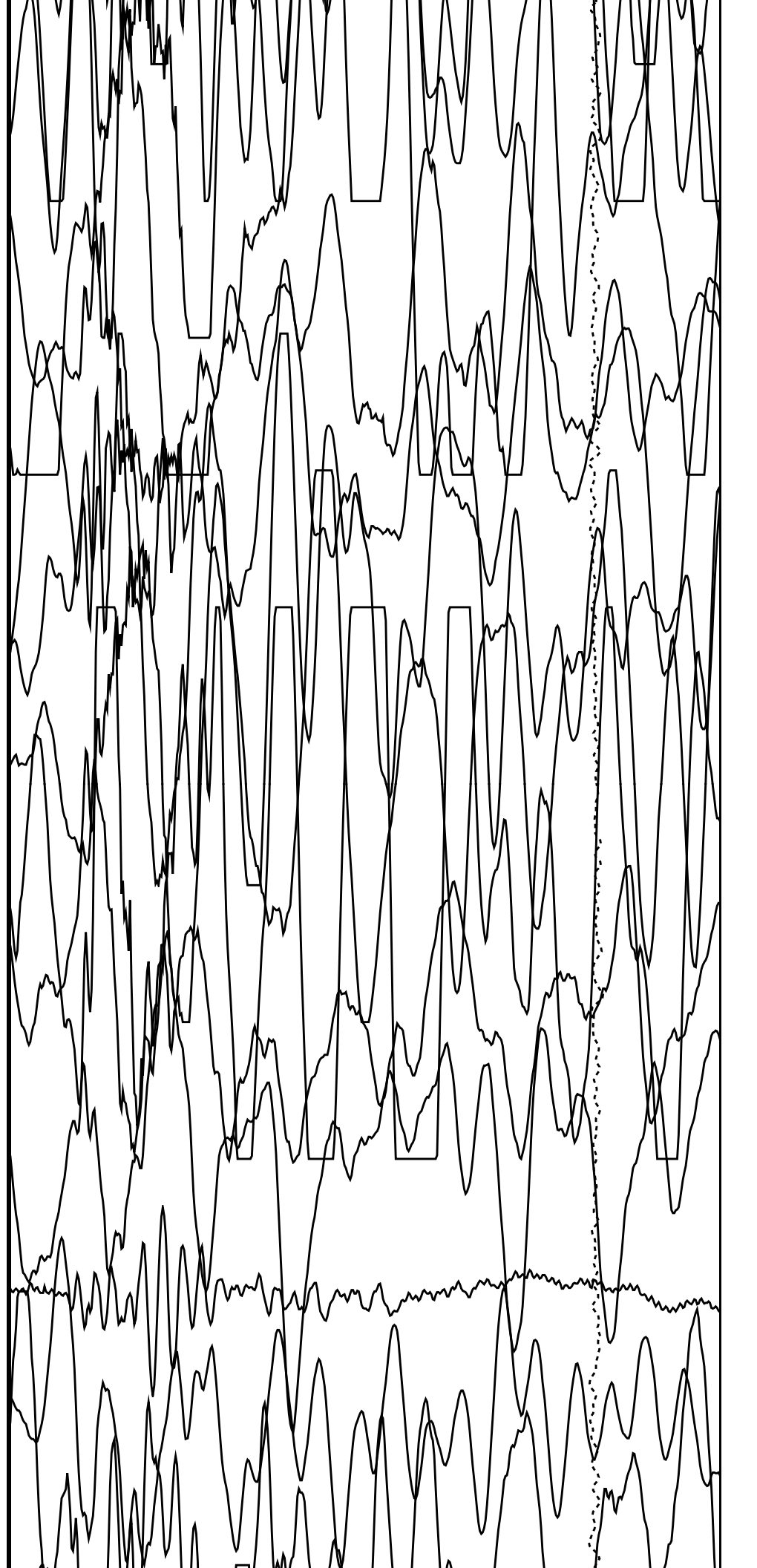
1775

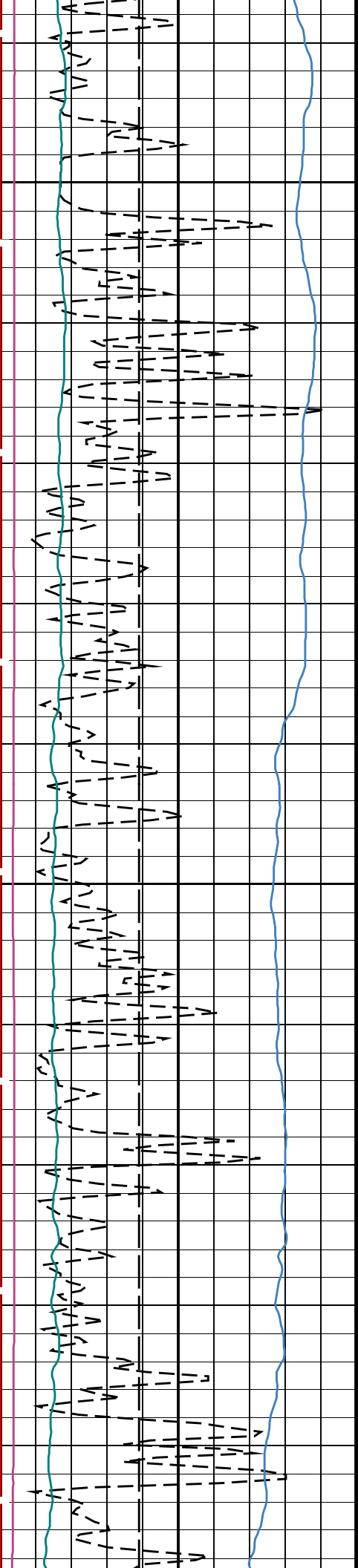




1800

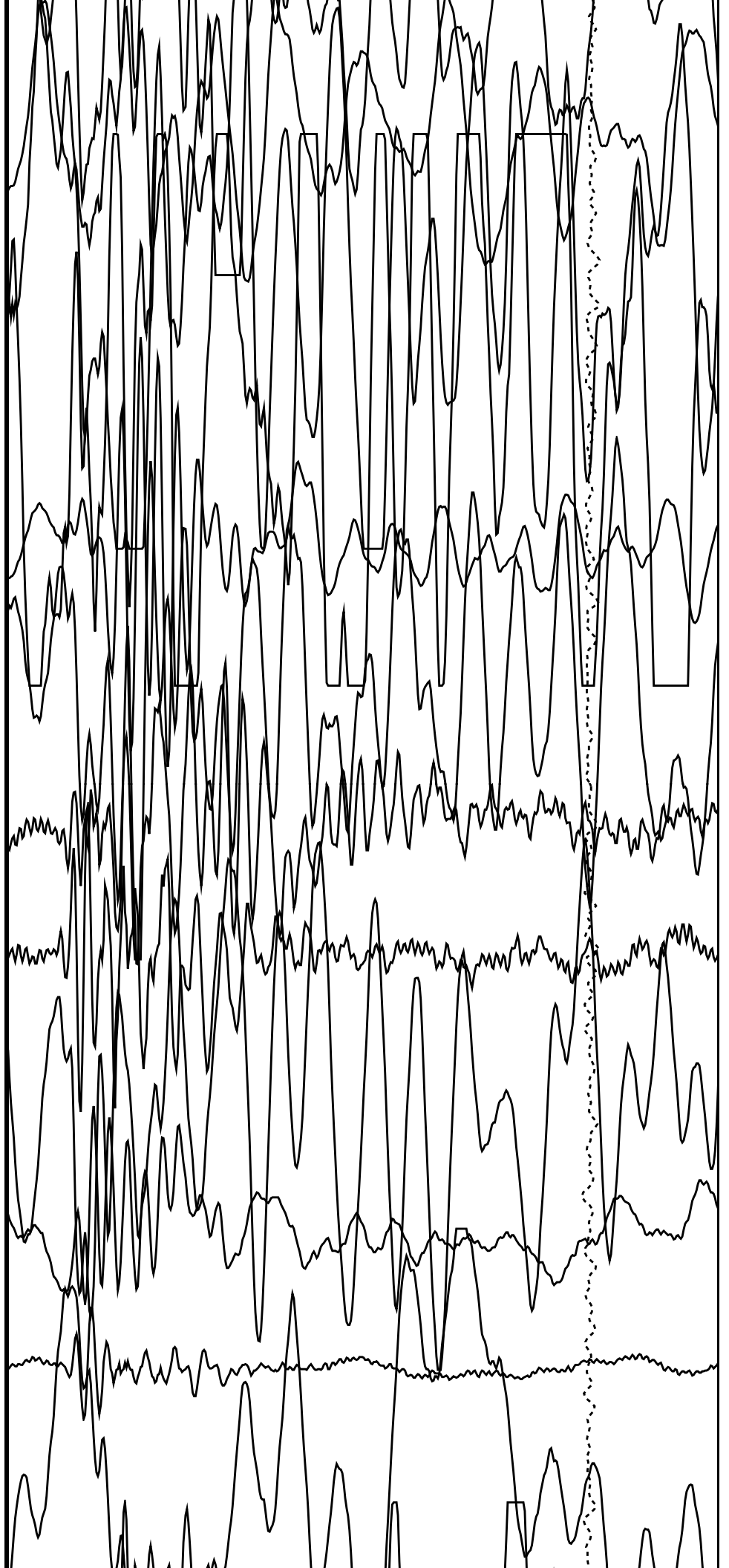
1825

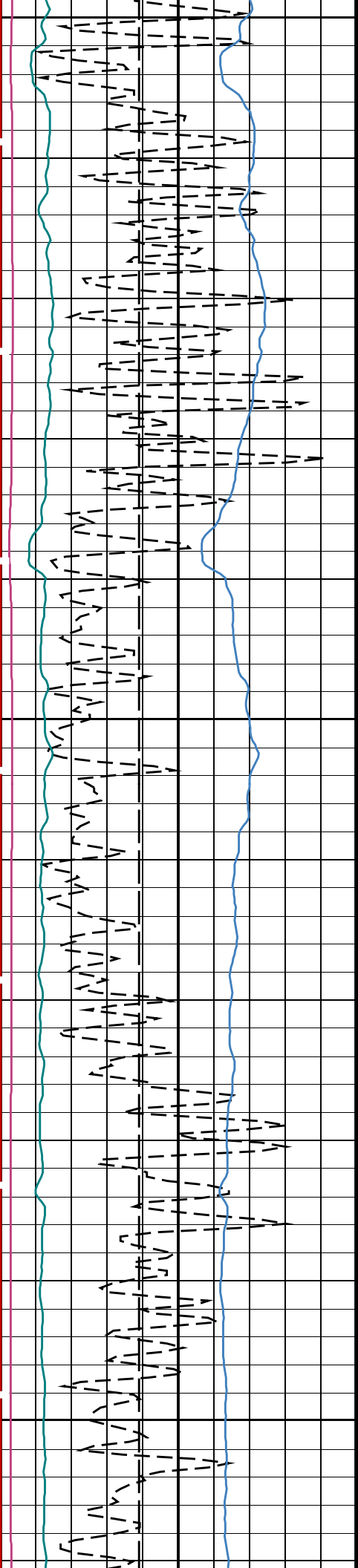




1850

1875

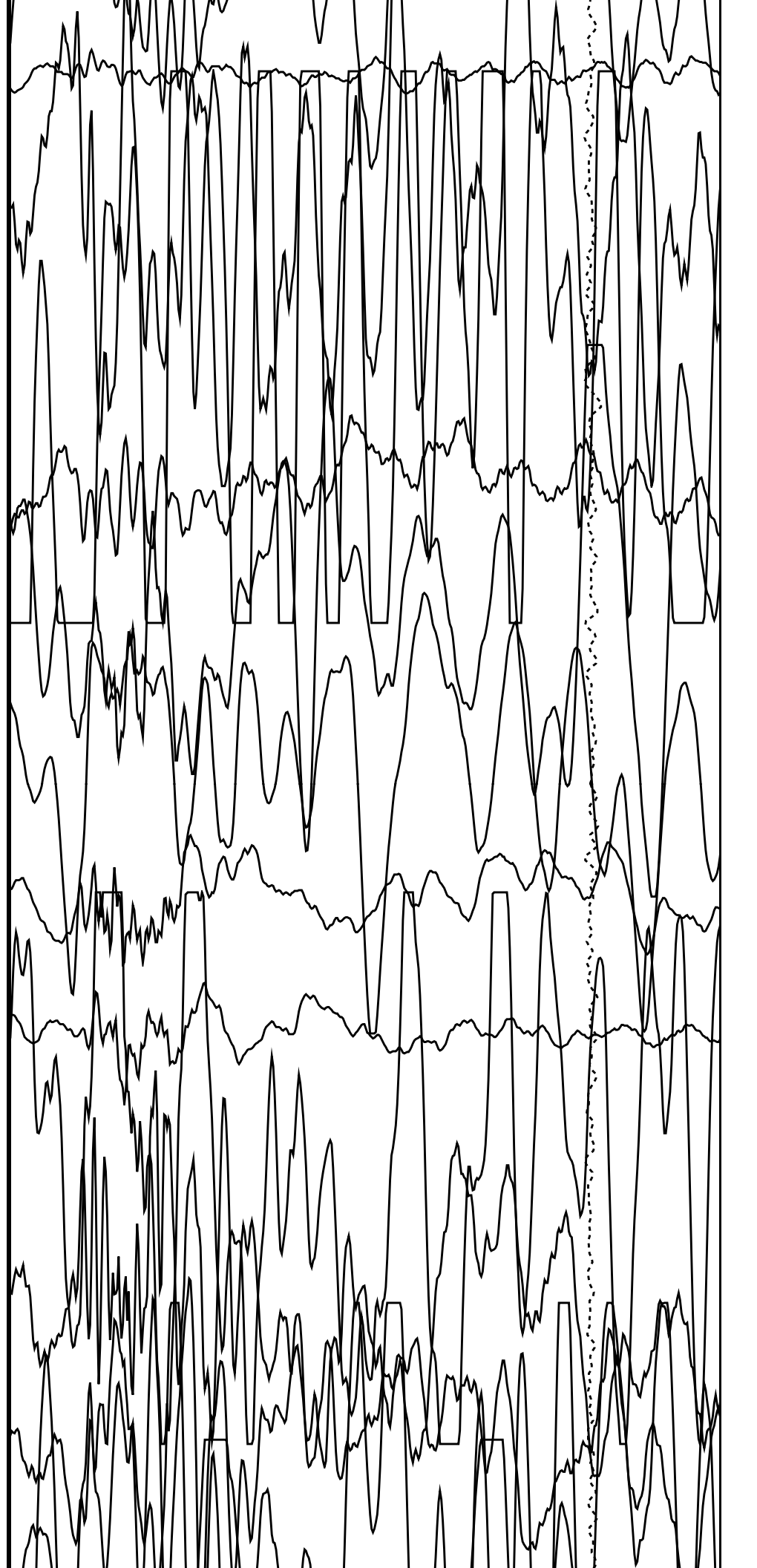


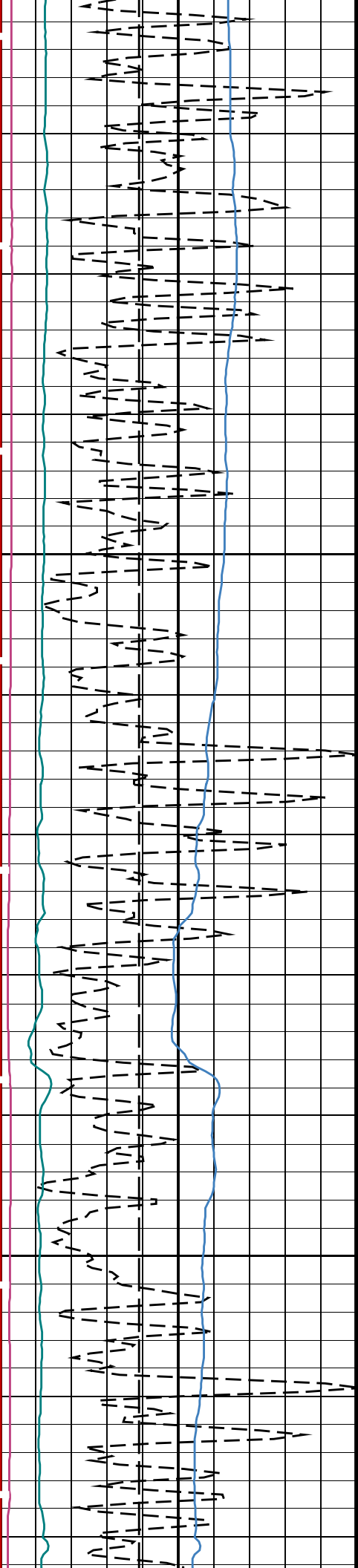


1900

1925

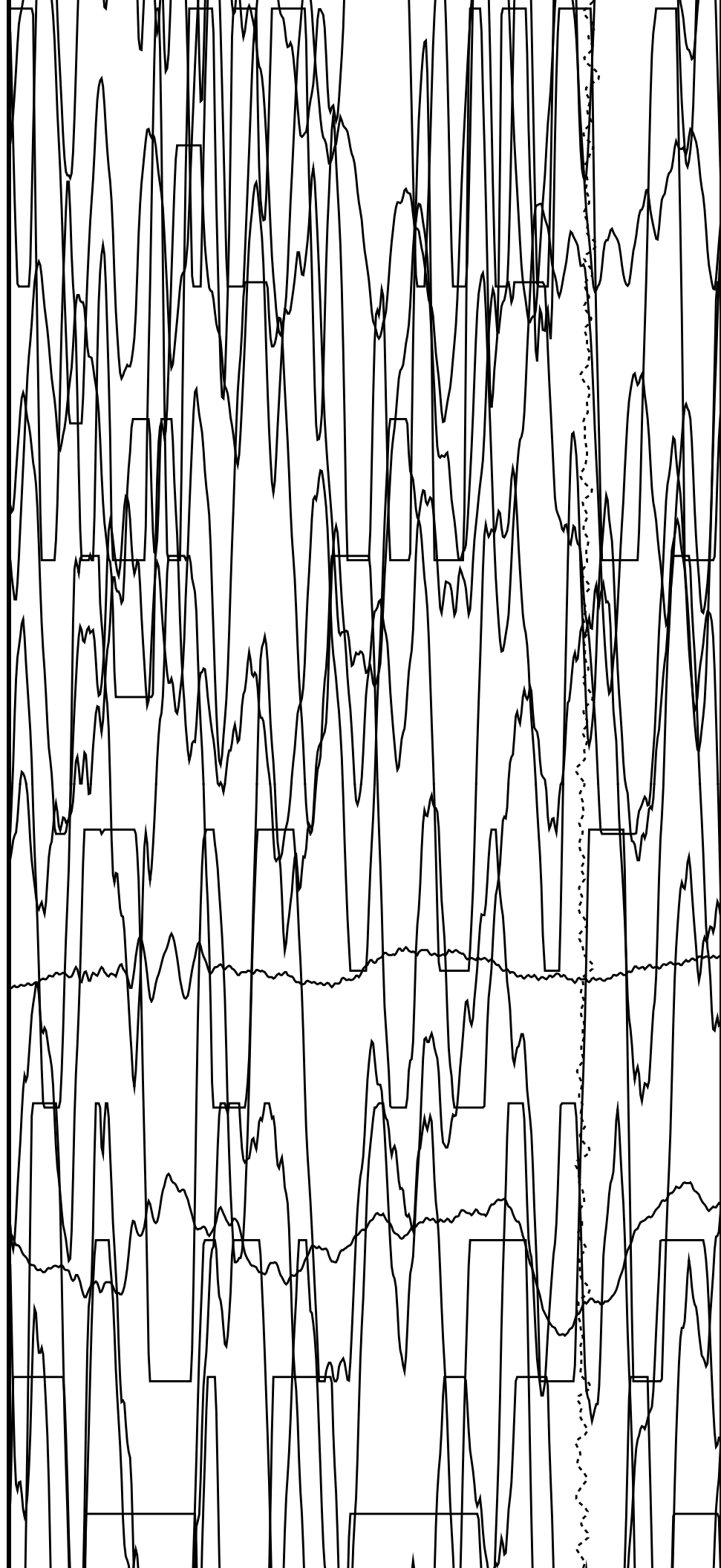
1950

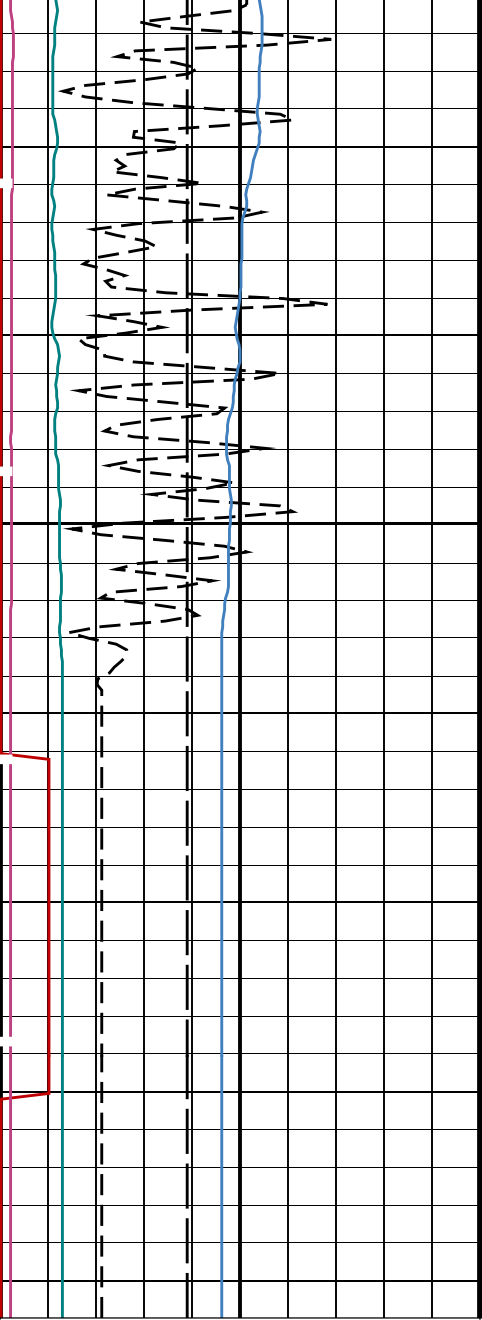




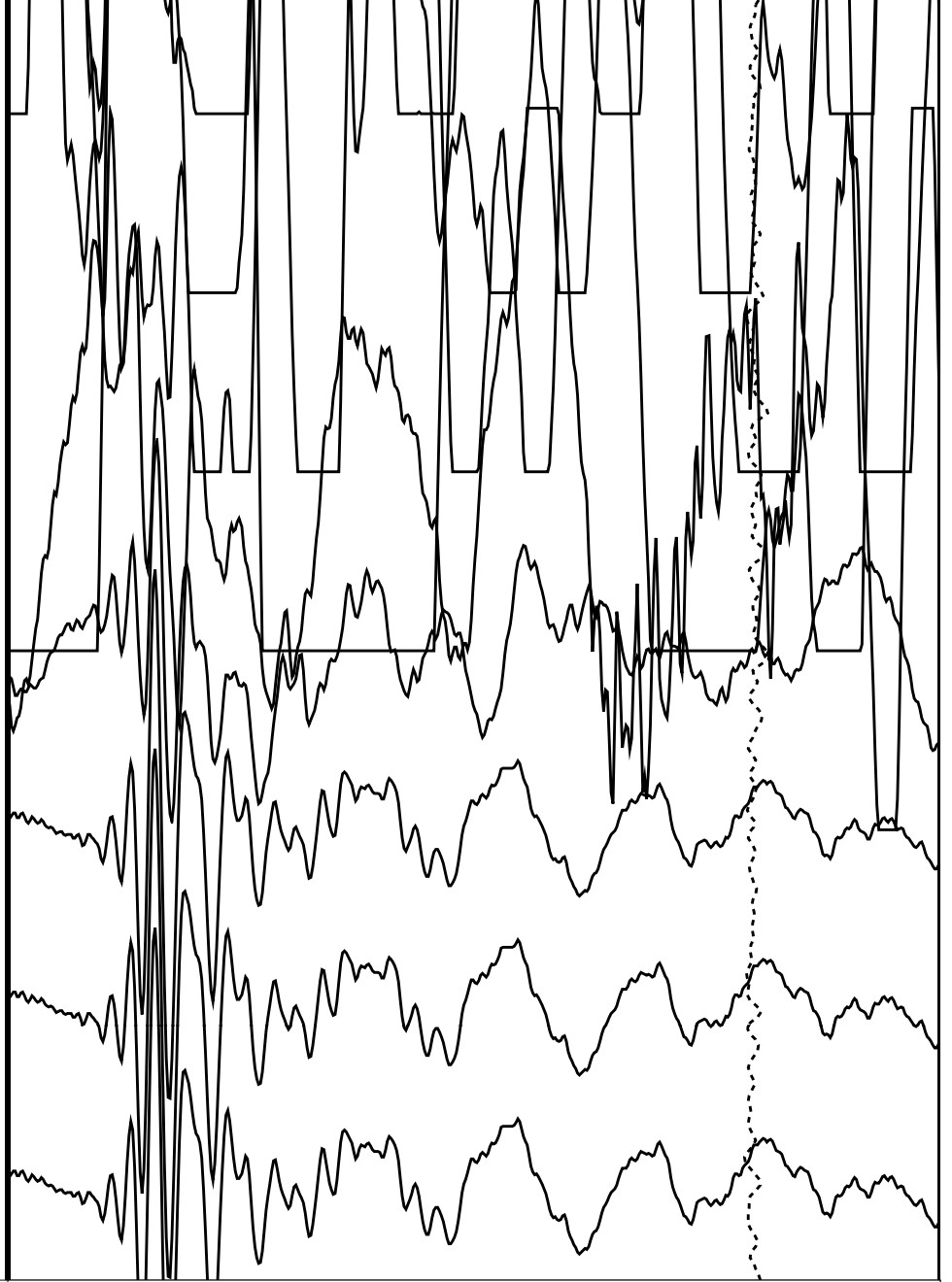
1975

2000





2025



Bit Size (BS)
(IN) 6 16

SAMX Waveforms (WFX)
(US) 0 20000

SAMX Waveform Gain (WFGX)
(----) 0 1000

Tension (TENS)
(LBF) 10000 0

Waveform Data Copy Indicator X - Expert (WCIX)
(----) 0 10

Azimuth at DSST Waveform Depth (AZWD)
(DEG) 0 400

Relative Bearing at DSST Waveform Depth (RBWD)
(DEG) 0 400

Deviation at DSST Waveform Depth (DVWD)
(DEG) 0 100

SAMX BCR Uplog #2

PIP SUMMARY

Time Mark Every 60 S

Parameters

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	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: DSST_WFX_WAVES Vertical Scale: 1:200 Graphics File Created: 21-Jun-2018 17:29

OP System Version: 19C0-187

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

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP FN:68 21-Jun-2018 13:28 2046.0 M 1495.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_056PUP FN:73 PRODUCER 21-Jun-2018 17:29

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP FN:68 21-Jun-2018 13:28 2046.0 M 1495.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_056PUP FN:73 PRODUCER 21-Jun-2018 17:29 2046.0 M 1495.2 M

OP System Version: 19C0-187

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

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	C1	1674.7 17:31:00

PIP SUMMARY

Time Mark Every 60 S

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

Area1
From HCGR to HSGR

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

Uplog #2

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

Caliper 2 (C2)
(IN) 0 20

Calibrated
Downhole
Force
(CDF)
(LBF) 10000 0

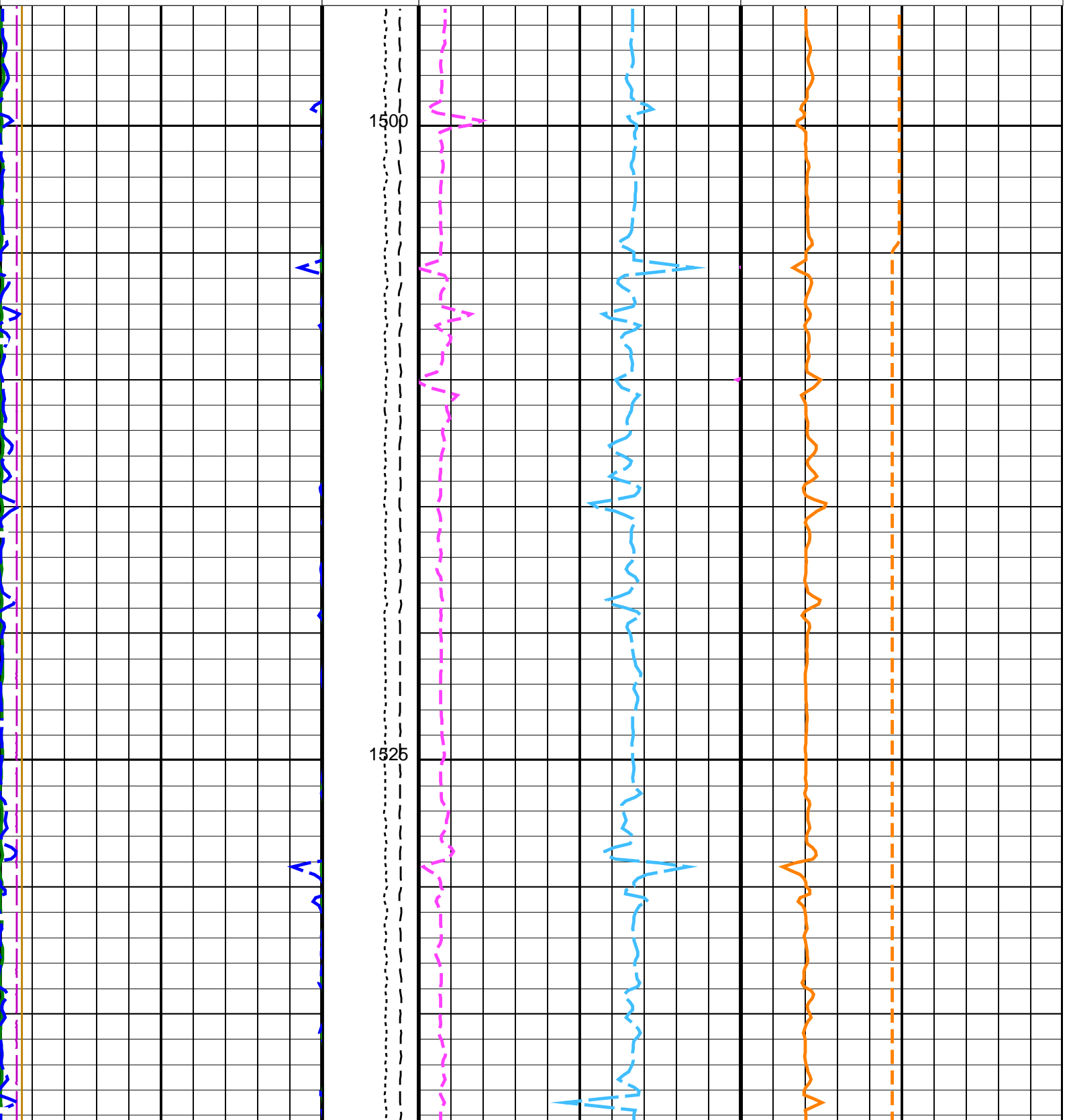
HNGS Uranium (HURA)
(PPM) -5 10

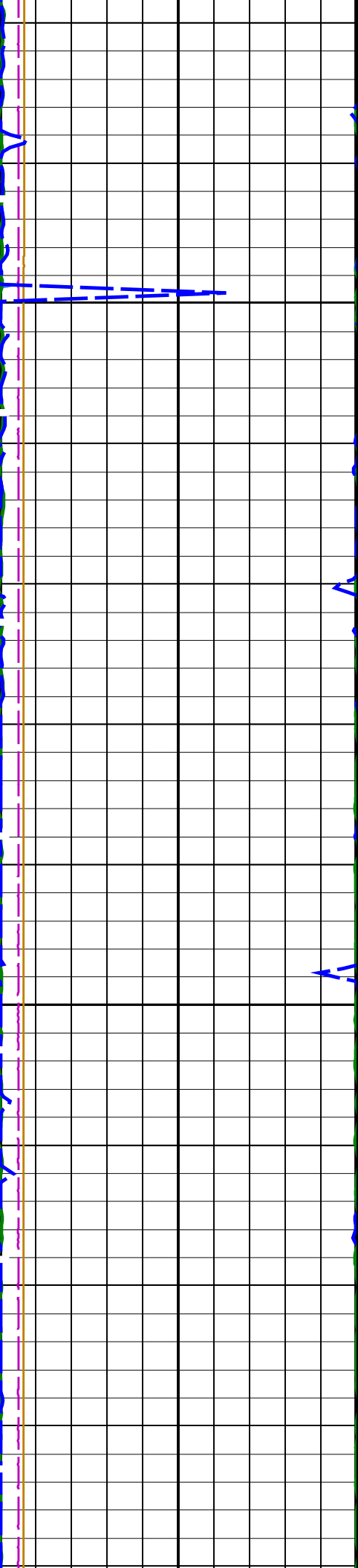
Caliper 1 (C1)
(IN) 0 20

Tension
(TENS)
(LBF) 10000 0

HNGS Thorium (HTHO)
(PPM) -1 14

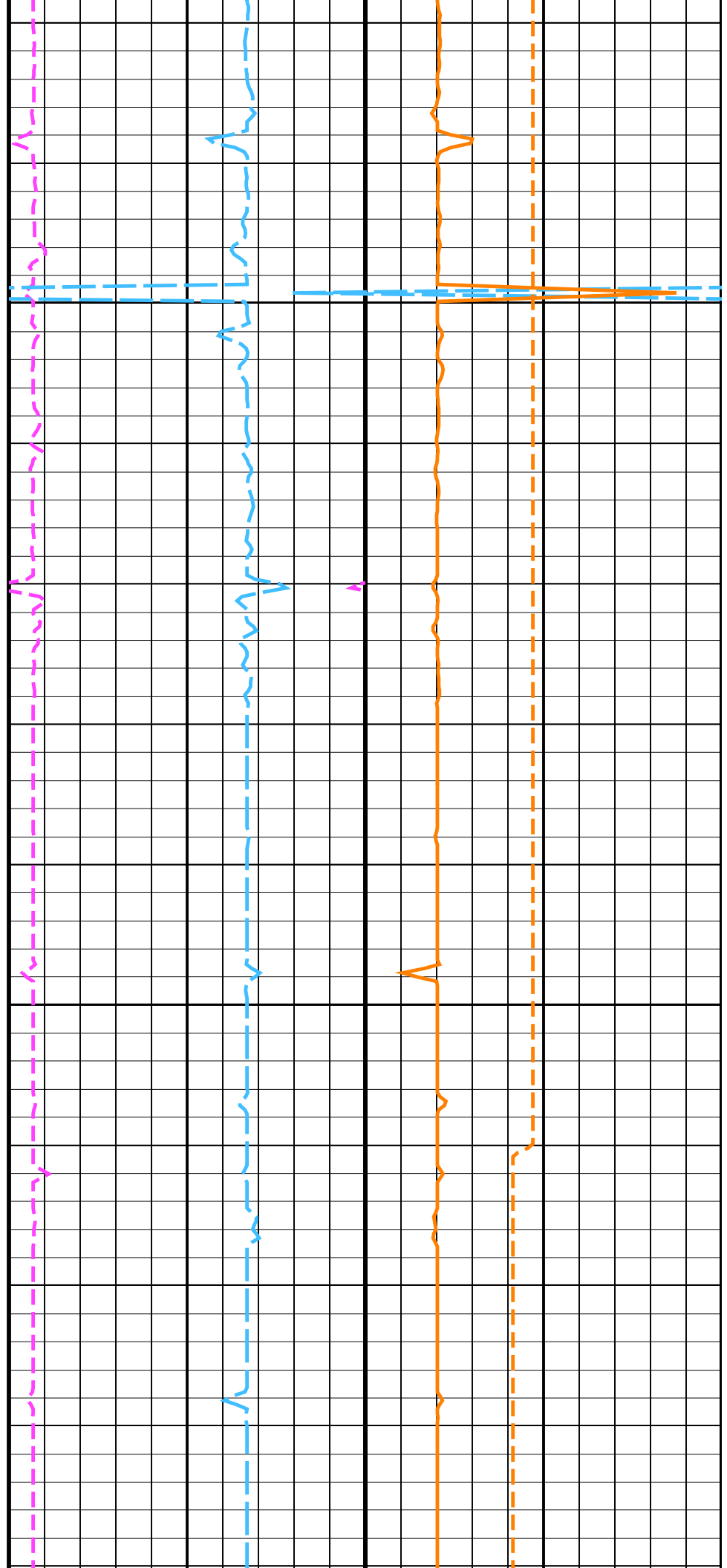
HNGS Potassium (HFK)
-0.01 (----) 0.04

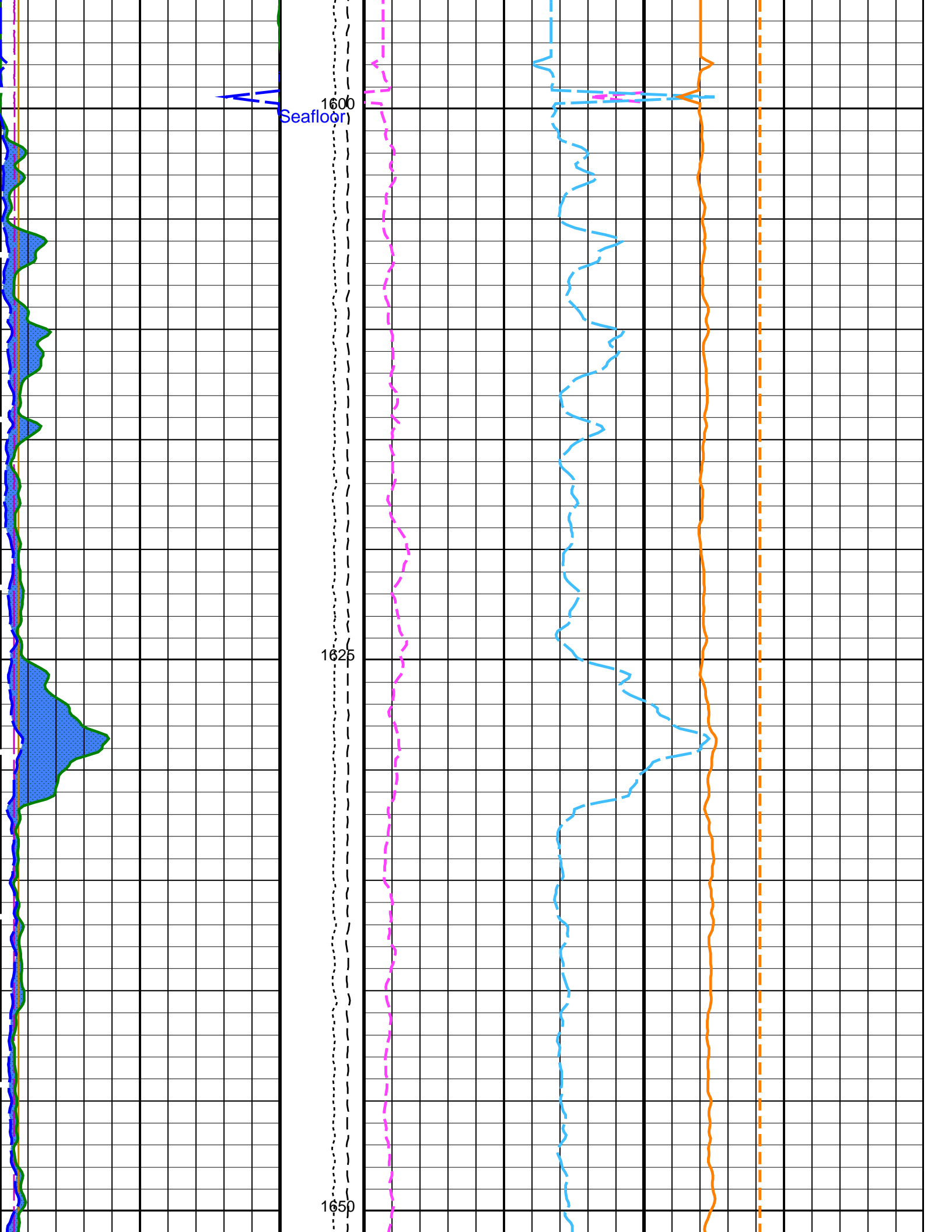


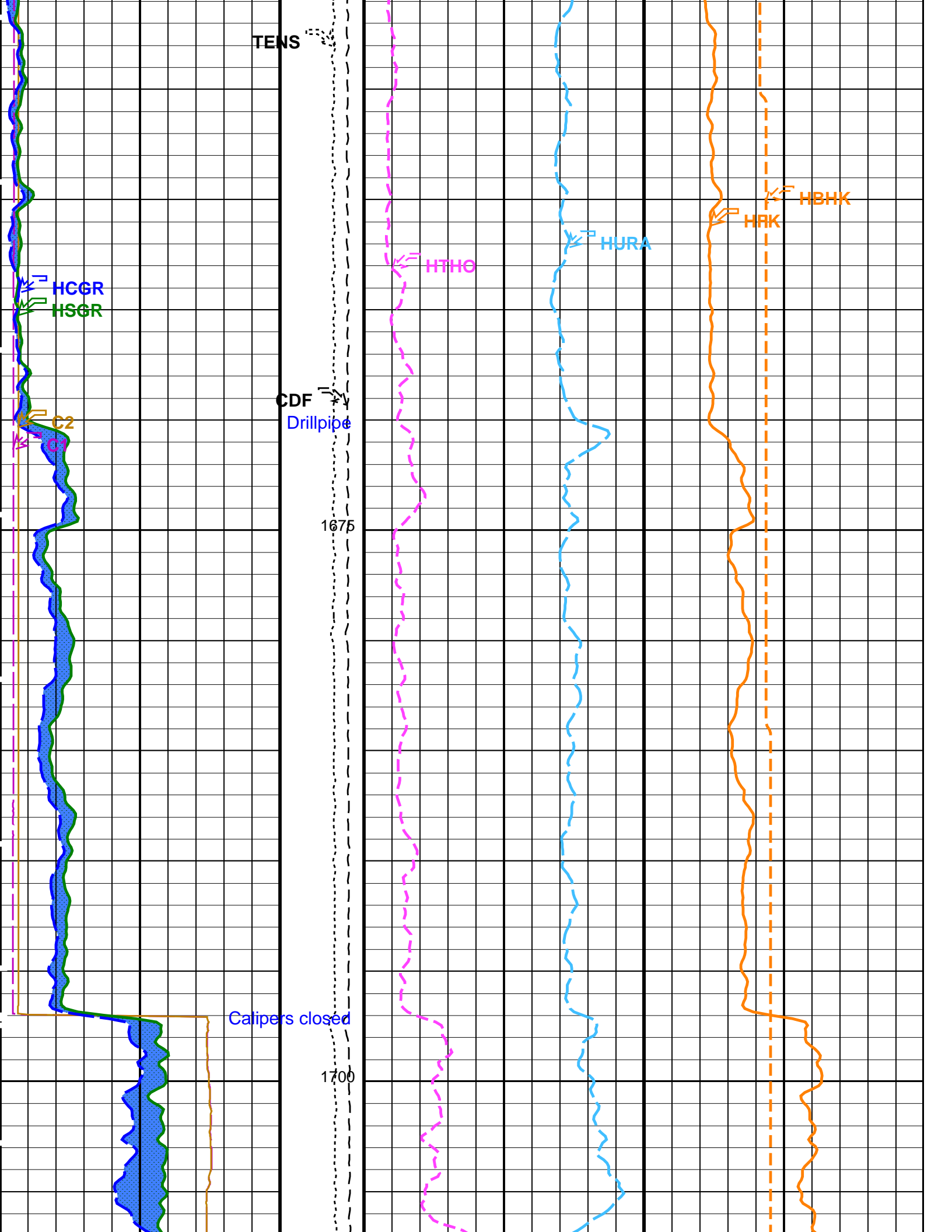


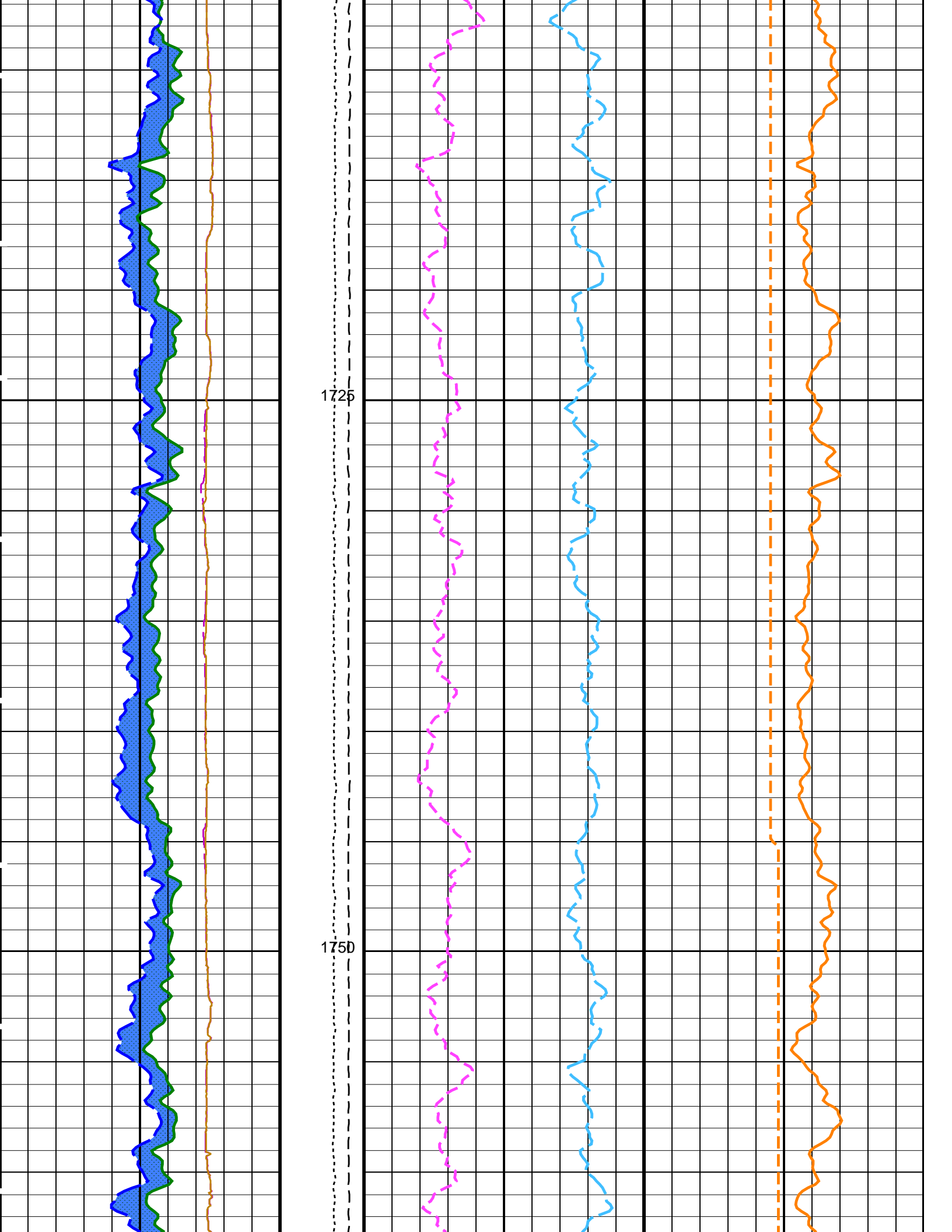
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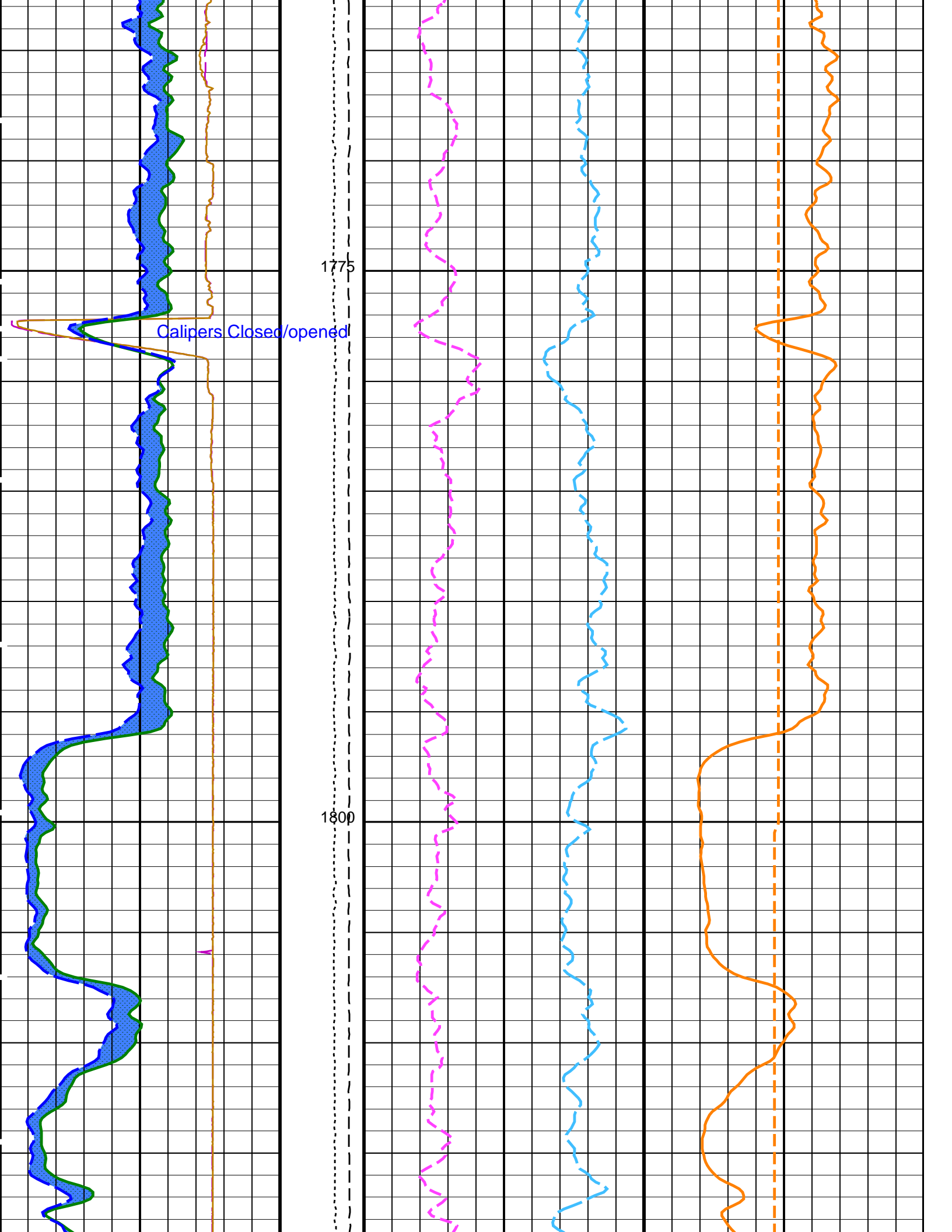
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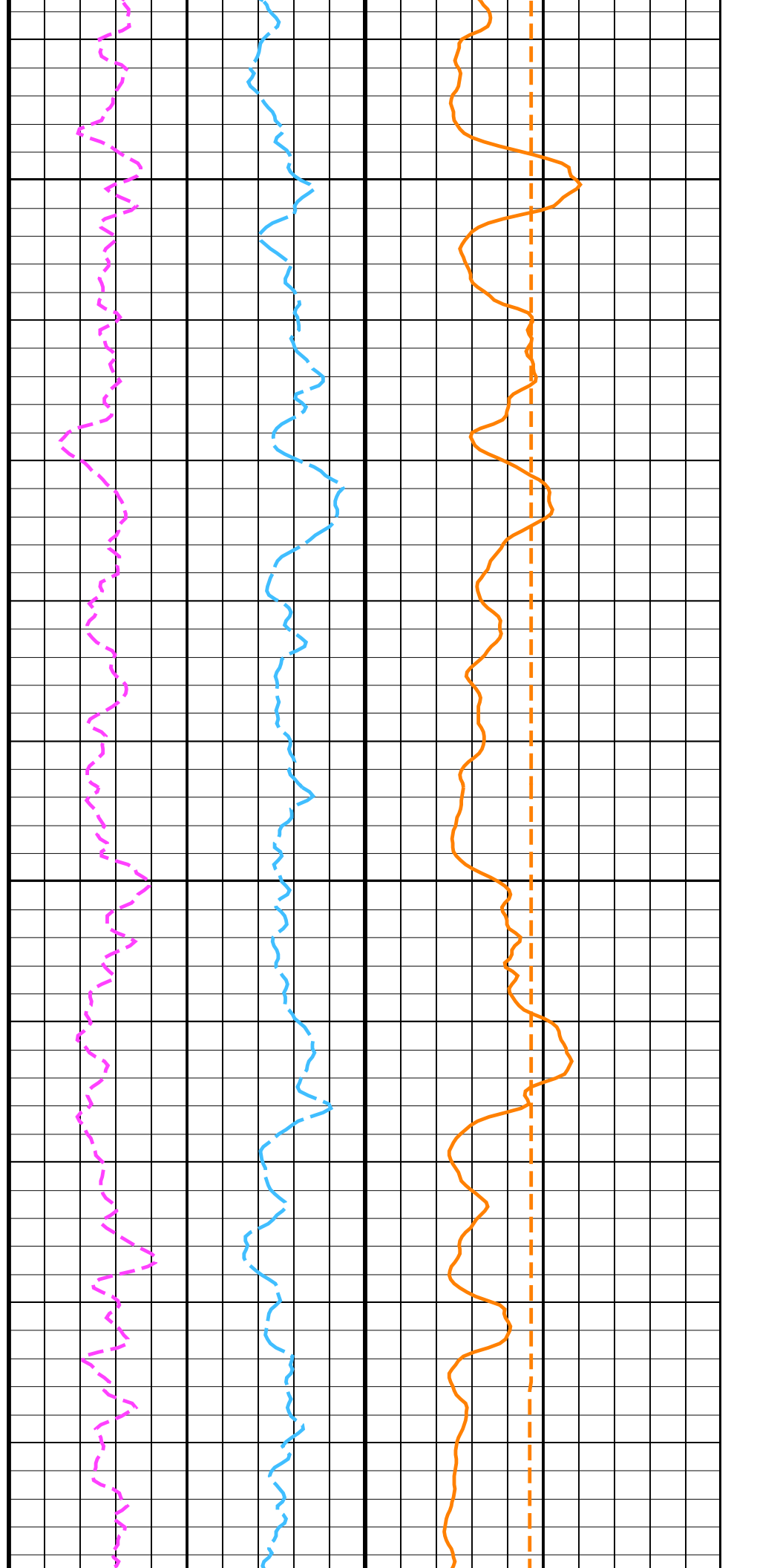
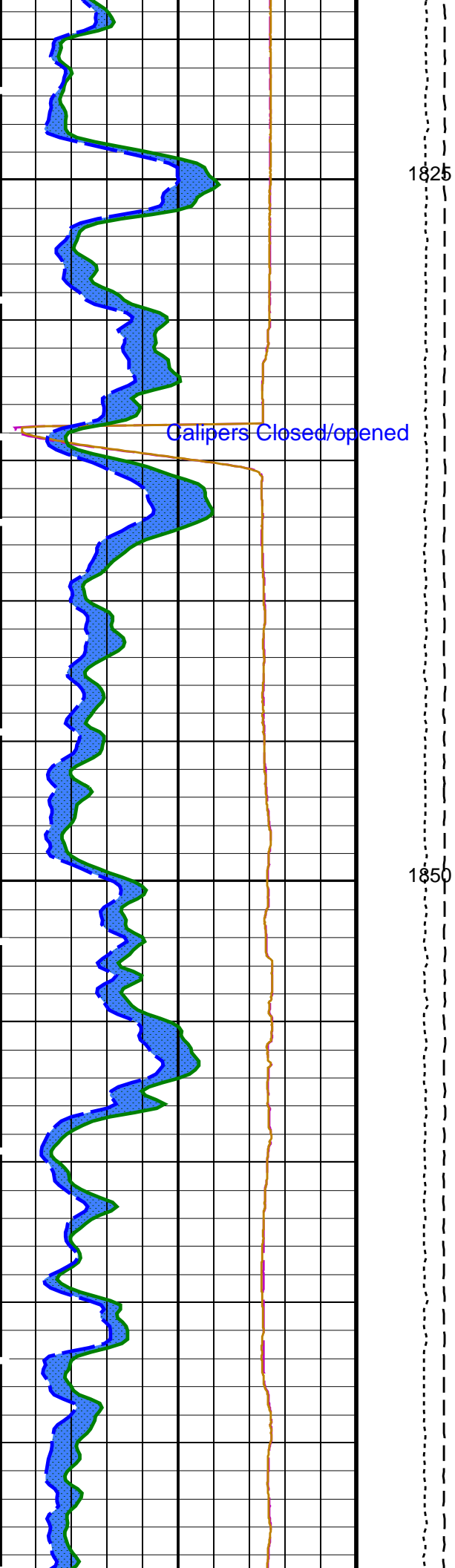


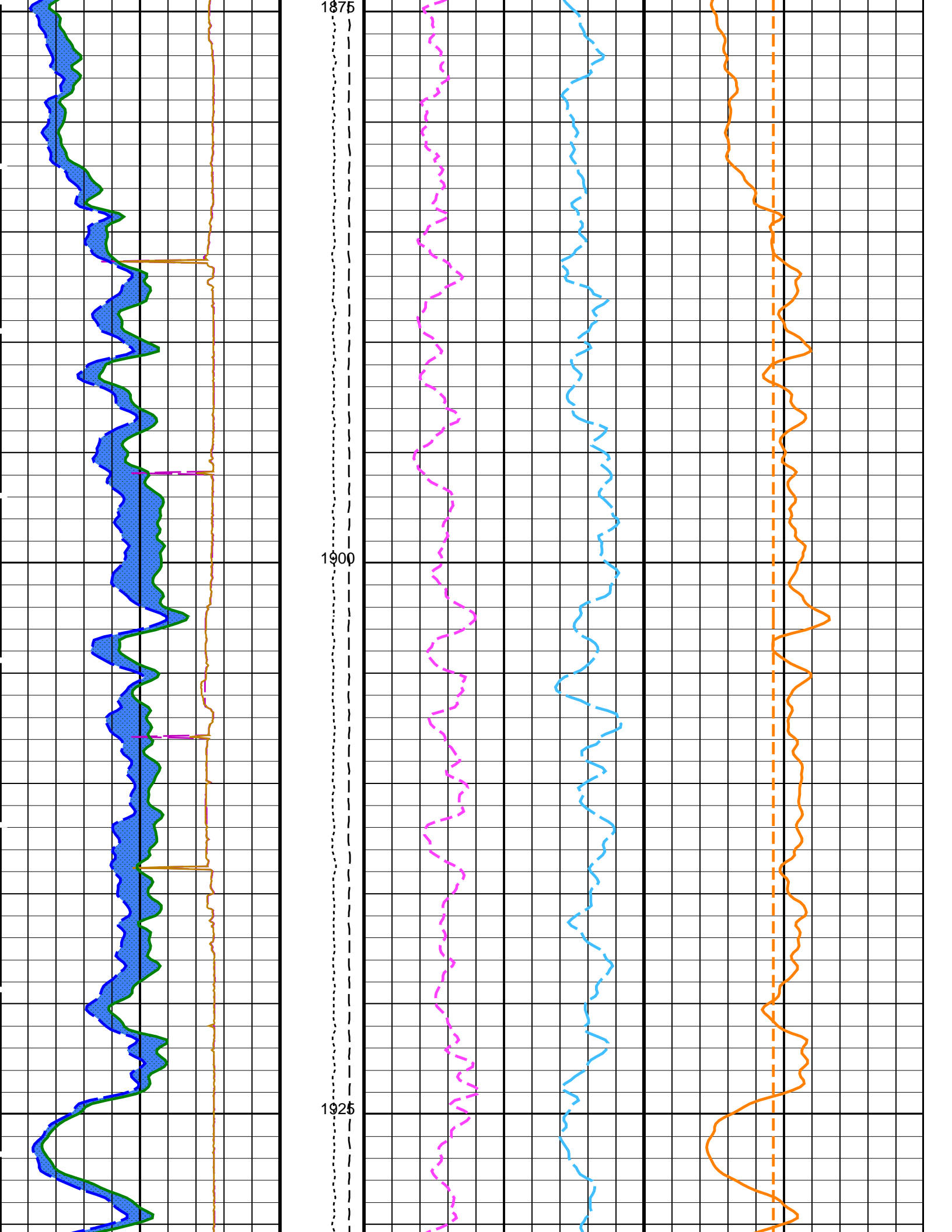


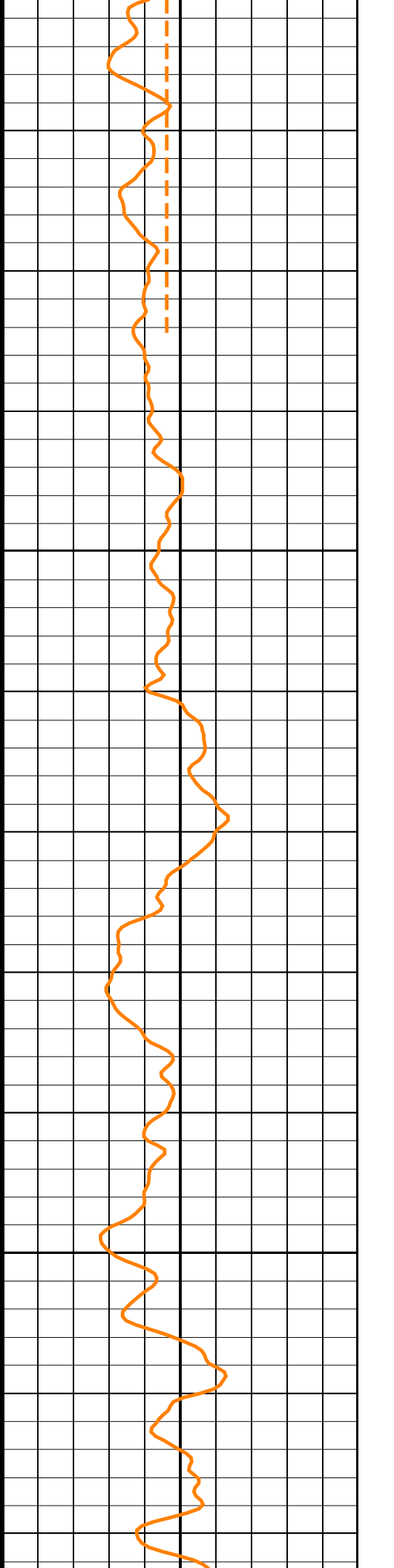
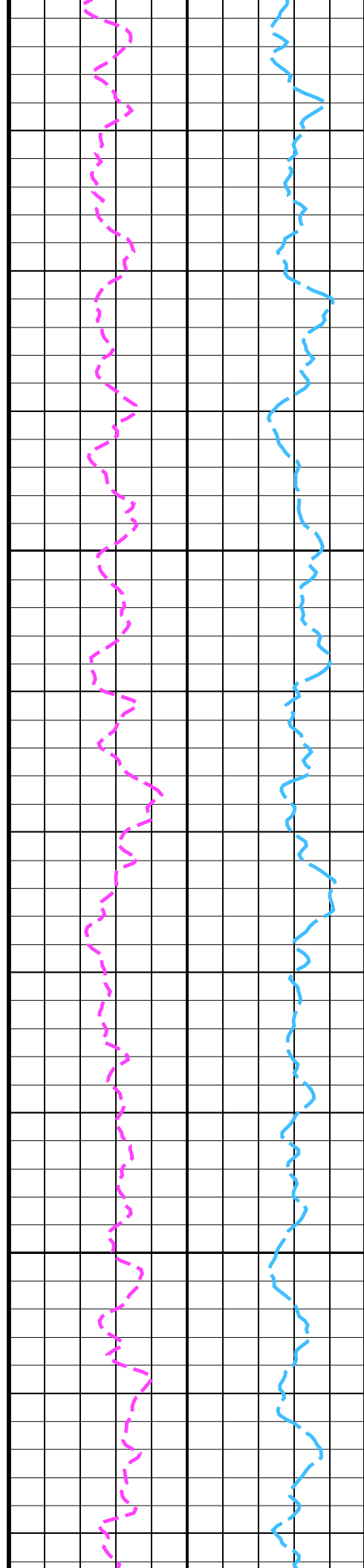
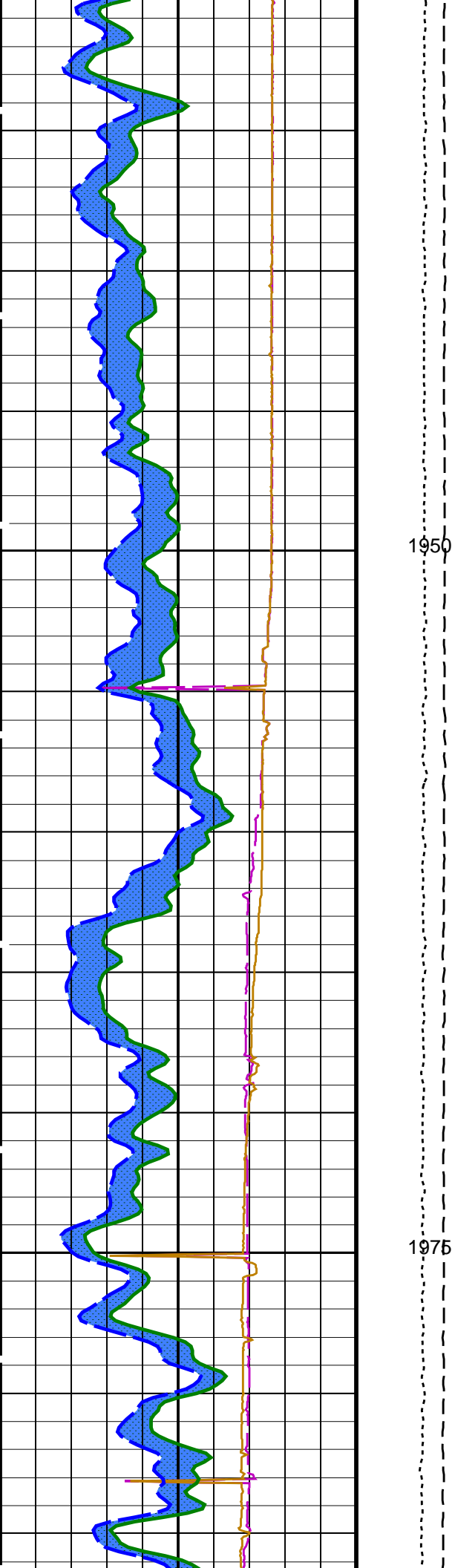


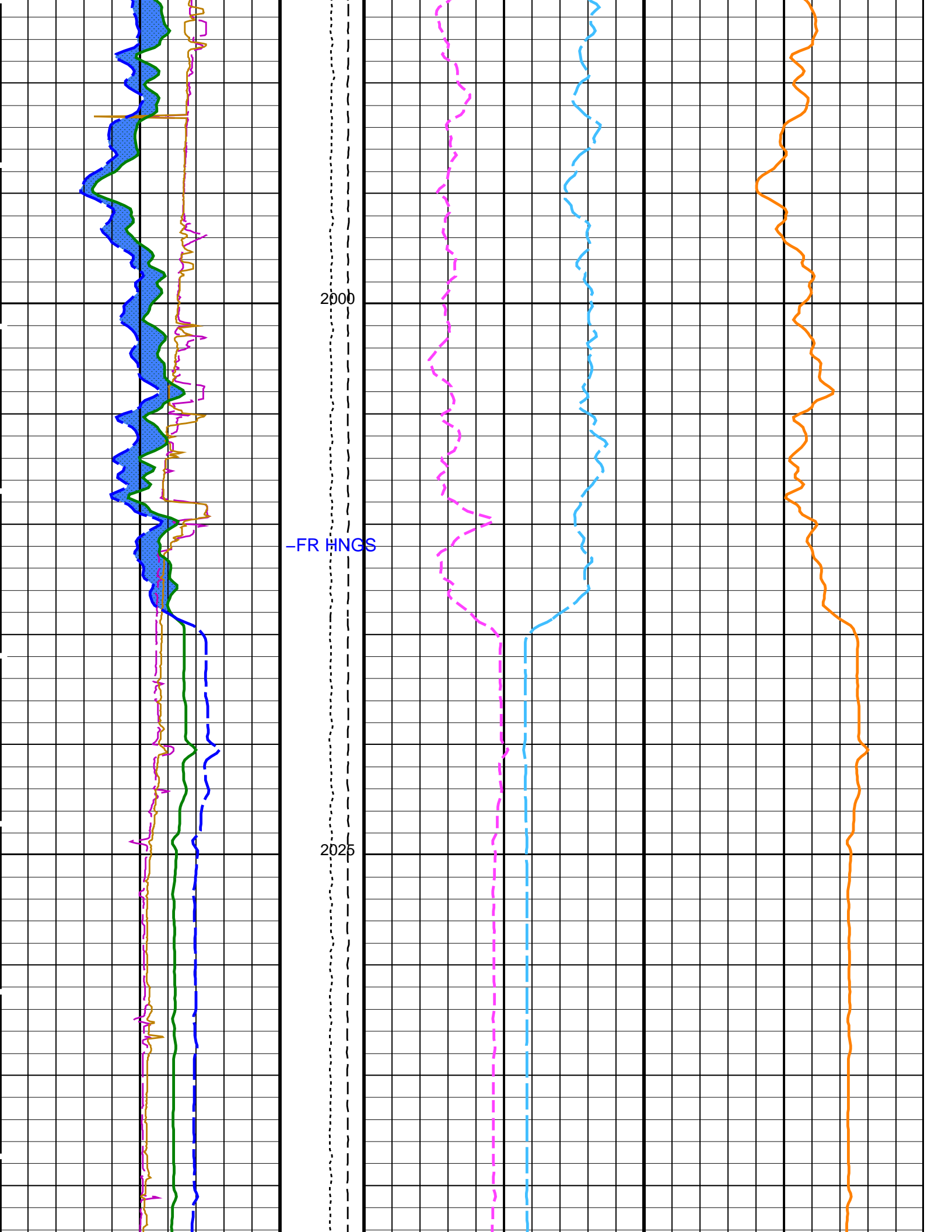


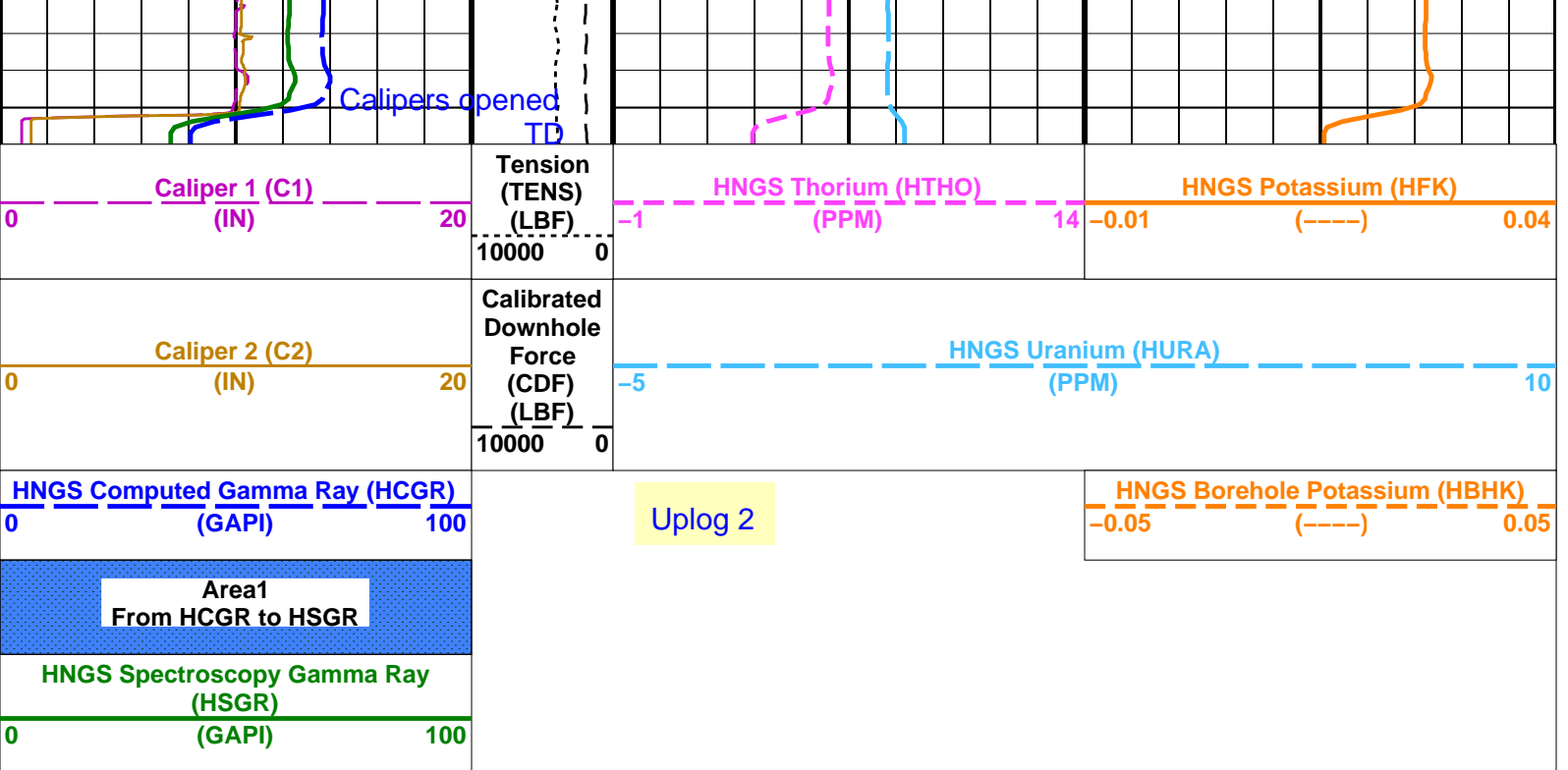












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	DSST-B: Dipole Shear Imager - B	
GCSE	Borehole Status	OPEN
	Generalized Caliper Selection	C1
	HNGS-BA: Hostile Natural Gamma Ray Sonde	
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	C1
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00376997
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	CENT
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02259
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03819
	EDTC-B: Enhanced DTS Cartridge	
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	C1
	System and Miscellaneous	
BS	Bit Size	9.875 IN
DFD	Drilling Fluid Density	1.02 G/C3
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	RECOMPUTE

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 21-Jun-2018 17:29

OP System Version: 19C0-187

HLDS	19C0-187	MEST-B	19C0-187
DTA-A-8453	19C0-187	DSST-B	19C0-187
HNCC-B	19C0-187	HNGS-BA	19C0-187

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP FN:68 21-Jun-2018 13:28 2046.0 M 1495.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_056PUP FN:73 PRODUCER 21-Jun-2018 17:29

Company: International Ocean Discovery Program Well: Expedition 376, Site U1530A

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP FN:68 21-Jun-2018 13:28 2046.0 M 1495.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_056PUP FN:73 PRODUCER 21-Jun-2018 17:29 2046.0 M 1495.2 M

OP System Version: 19C0-187

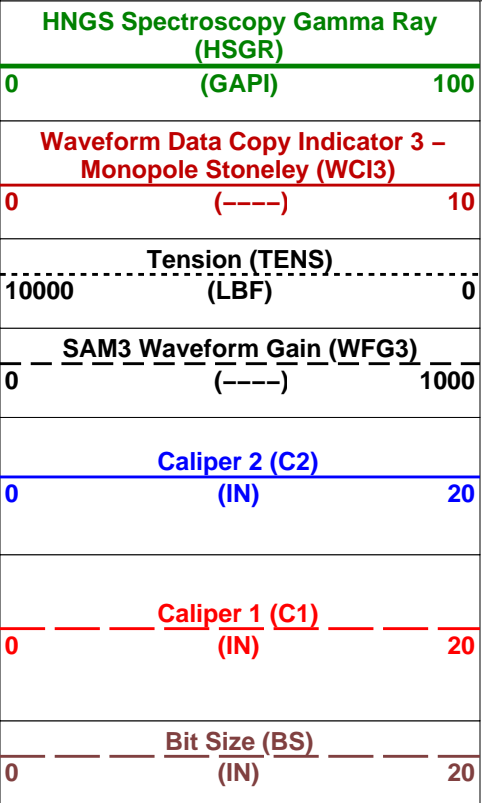
HLDS	19C0-187	MEST-B	19C0-187
DTA-A-8453	19C0-187	DSST-B	19C0-187
HNCC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Changed Parameter Summary

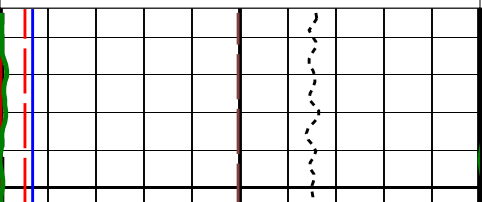
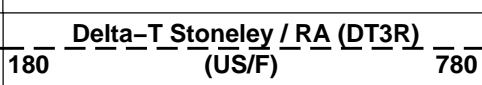
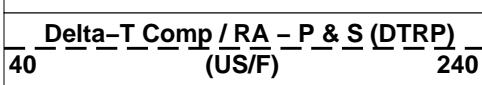
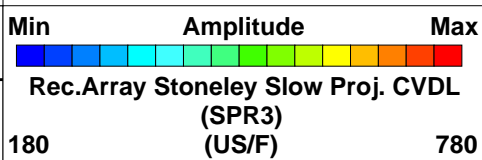
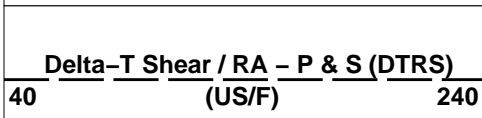
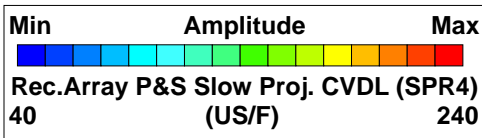
DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	C1	1674.7 17:31:00

PIP SUMMARY

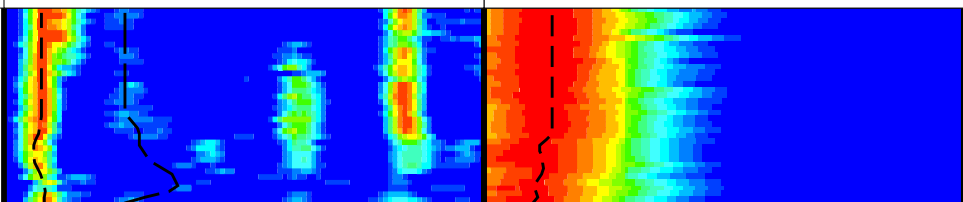
Time Mark Every 60 S

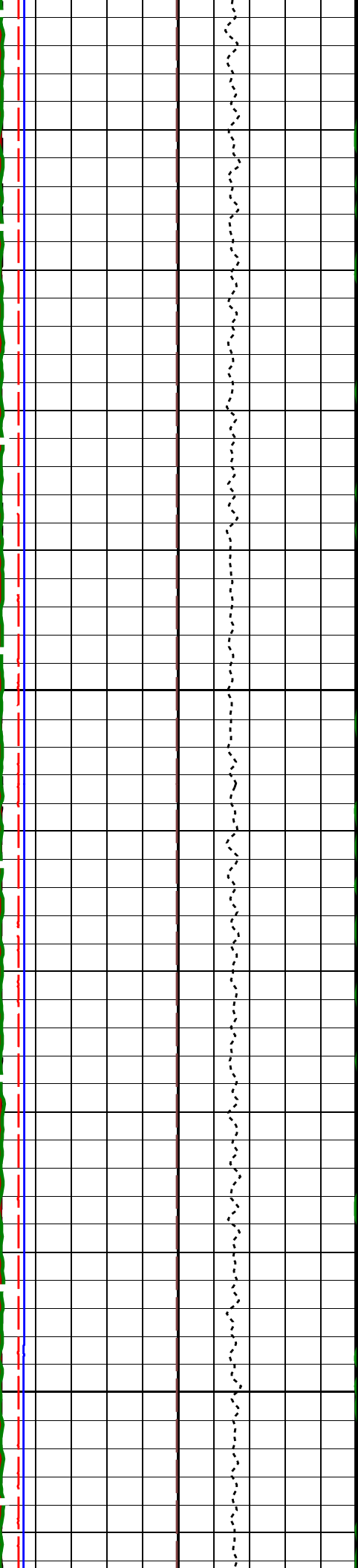


Uplog #2



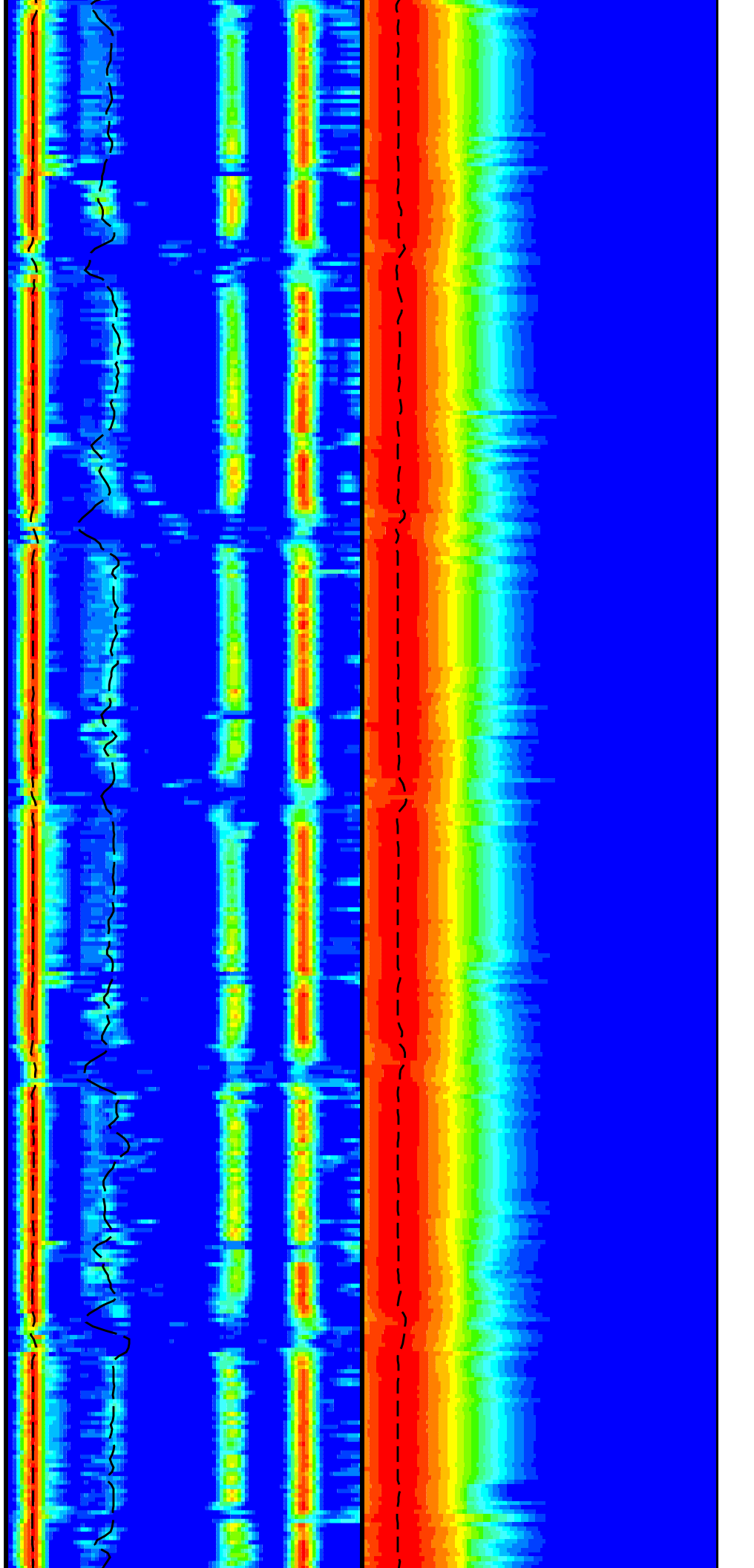
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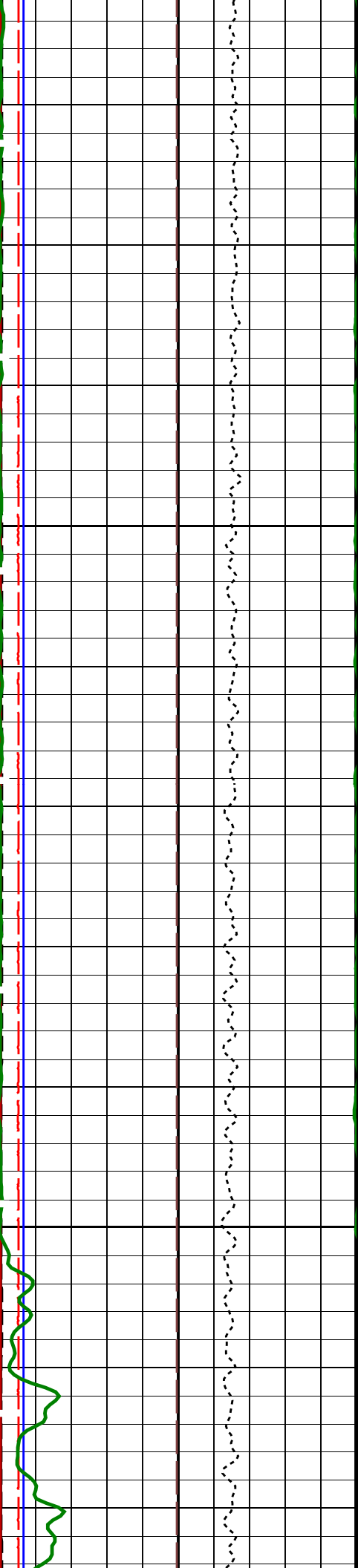




1525

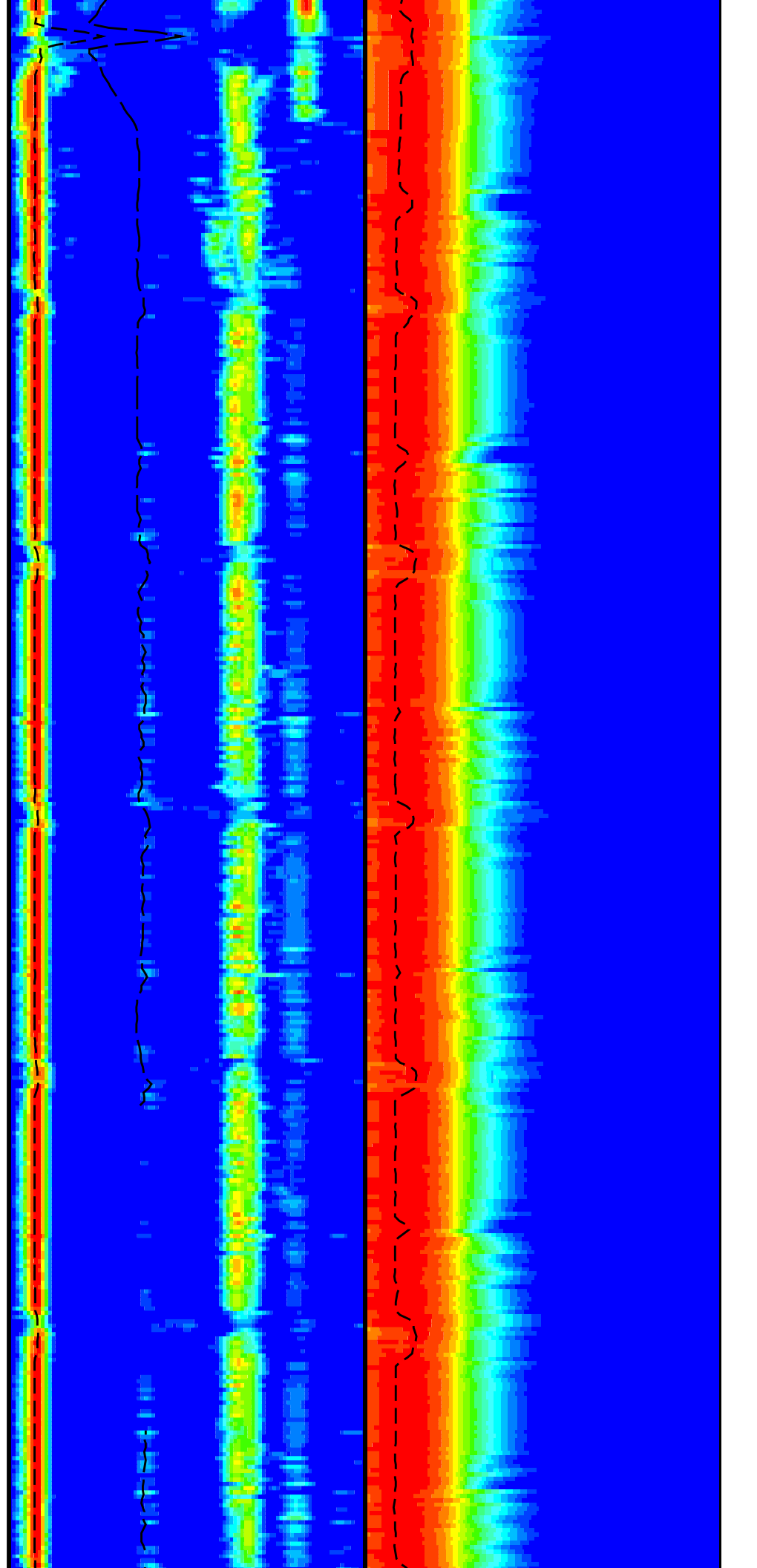
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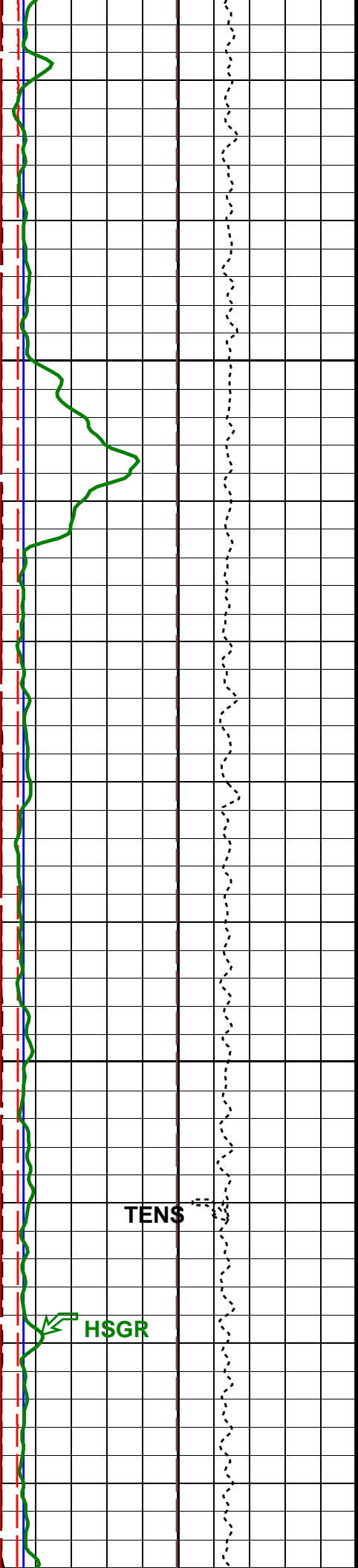




1575

1600
Seafloor



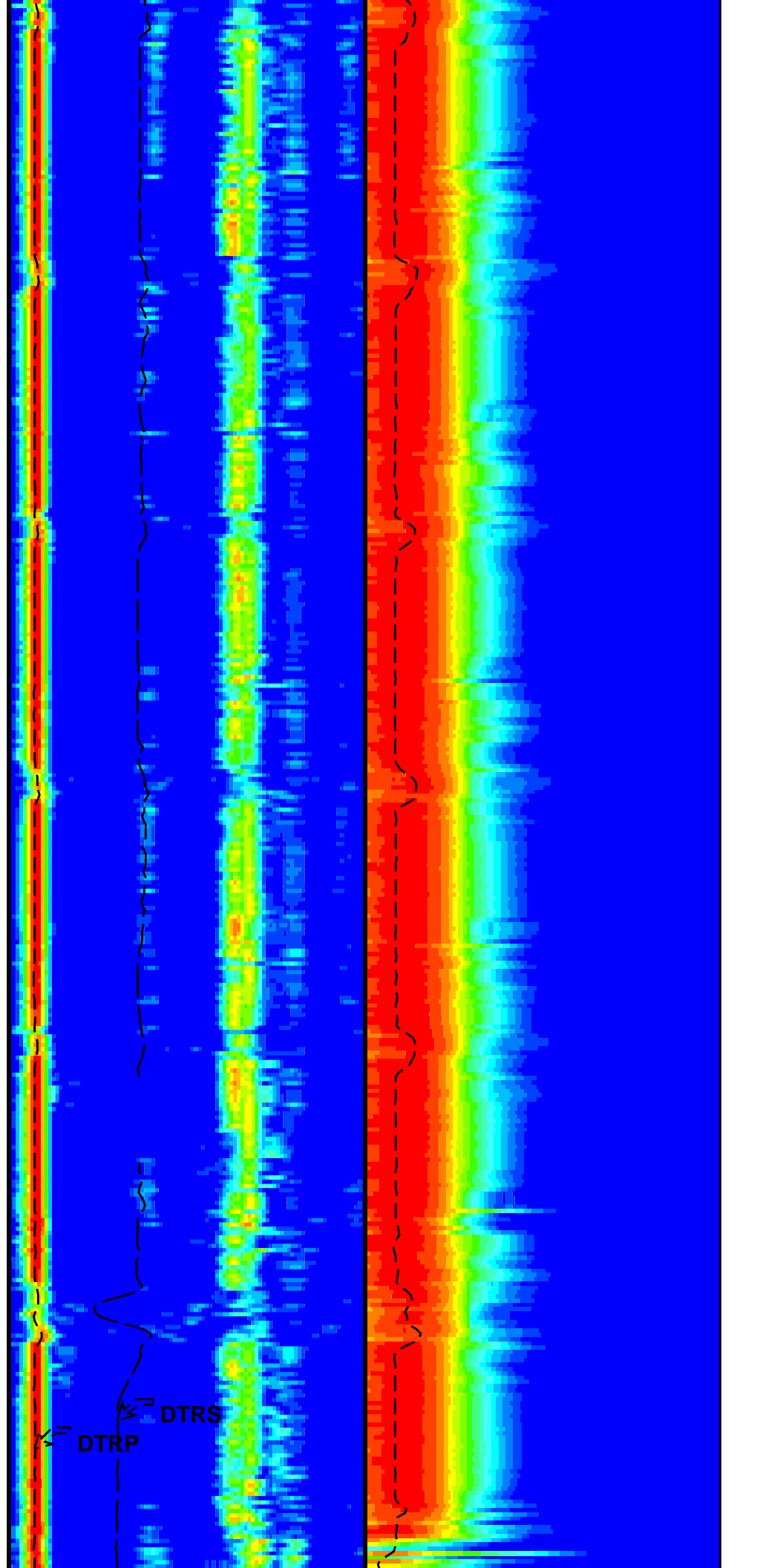


1625

1650

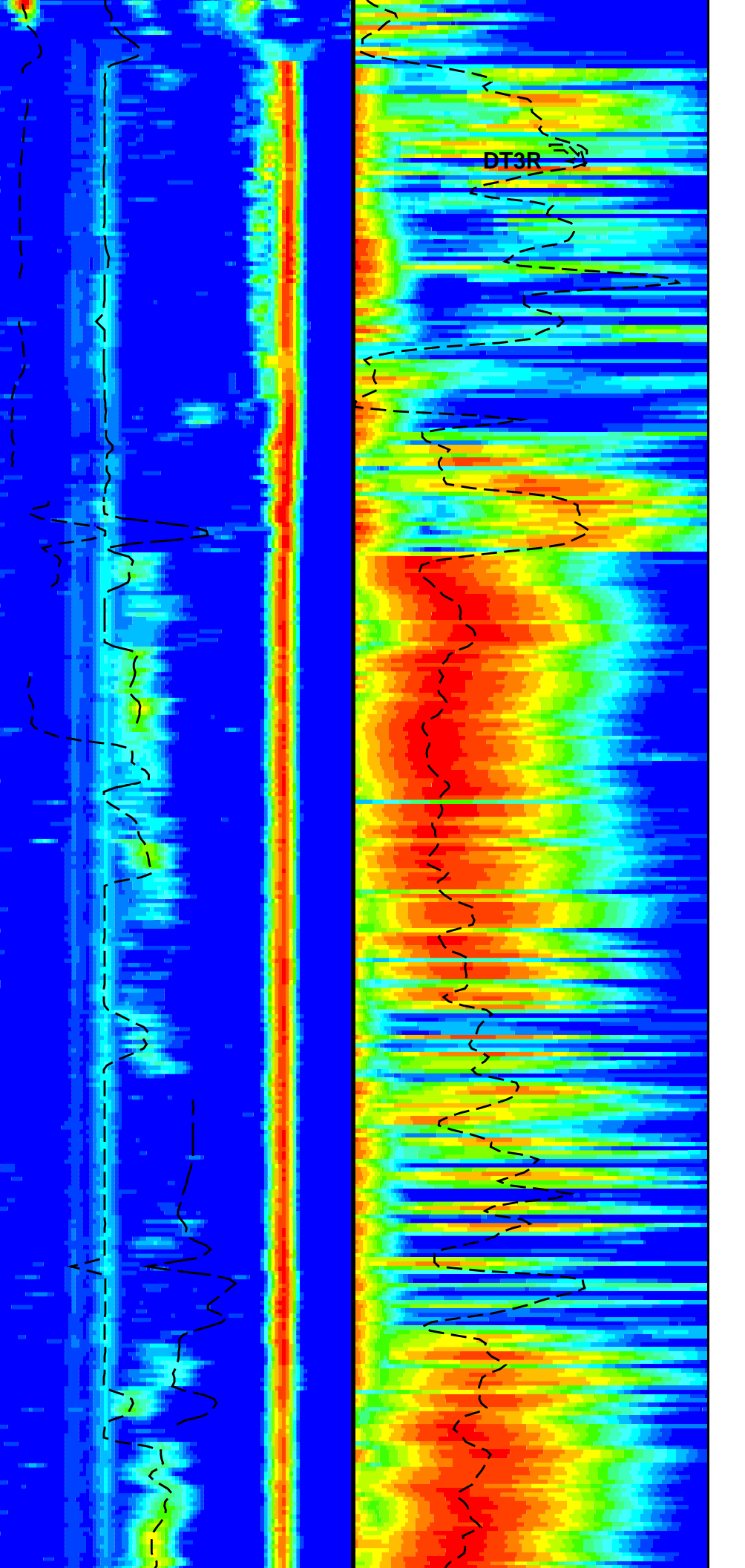
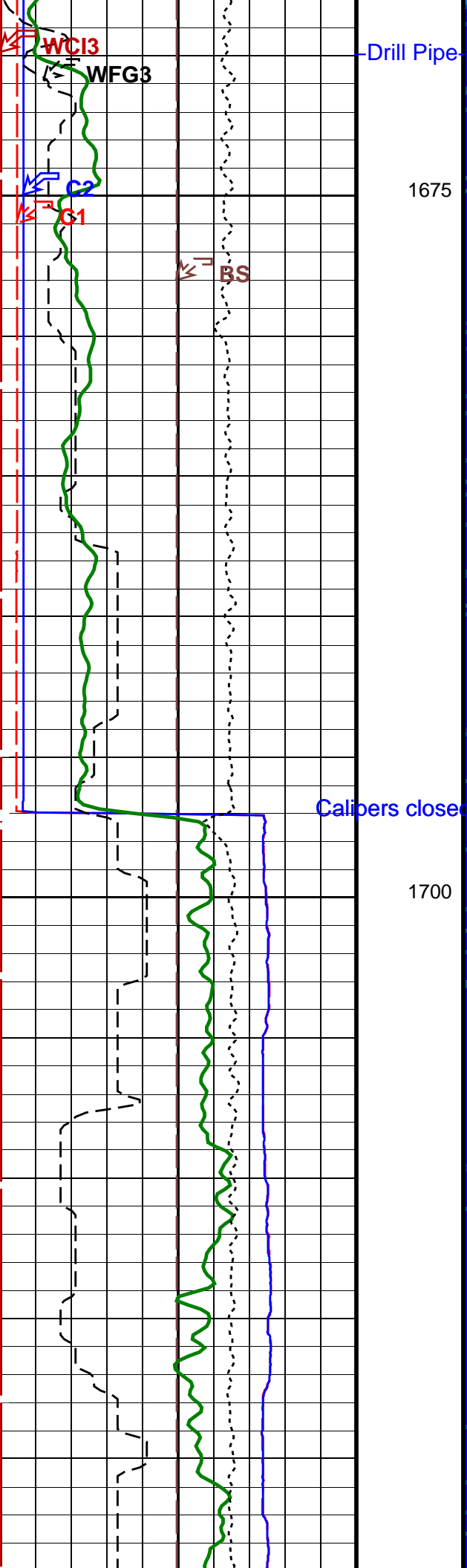
TENS

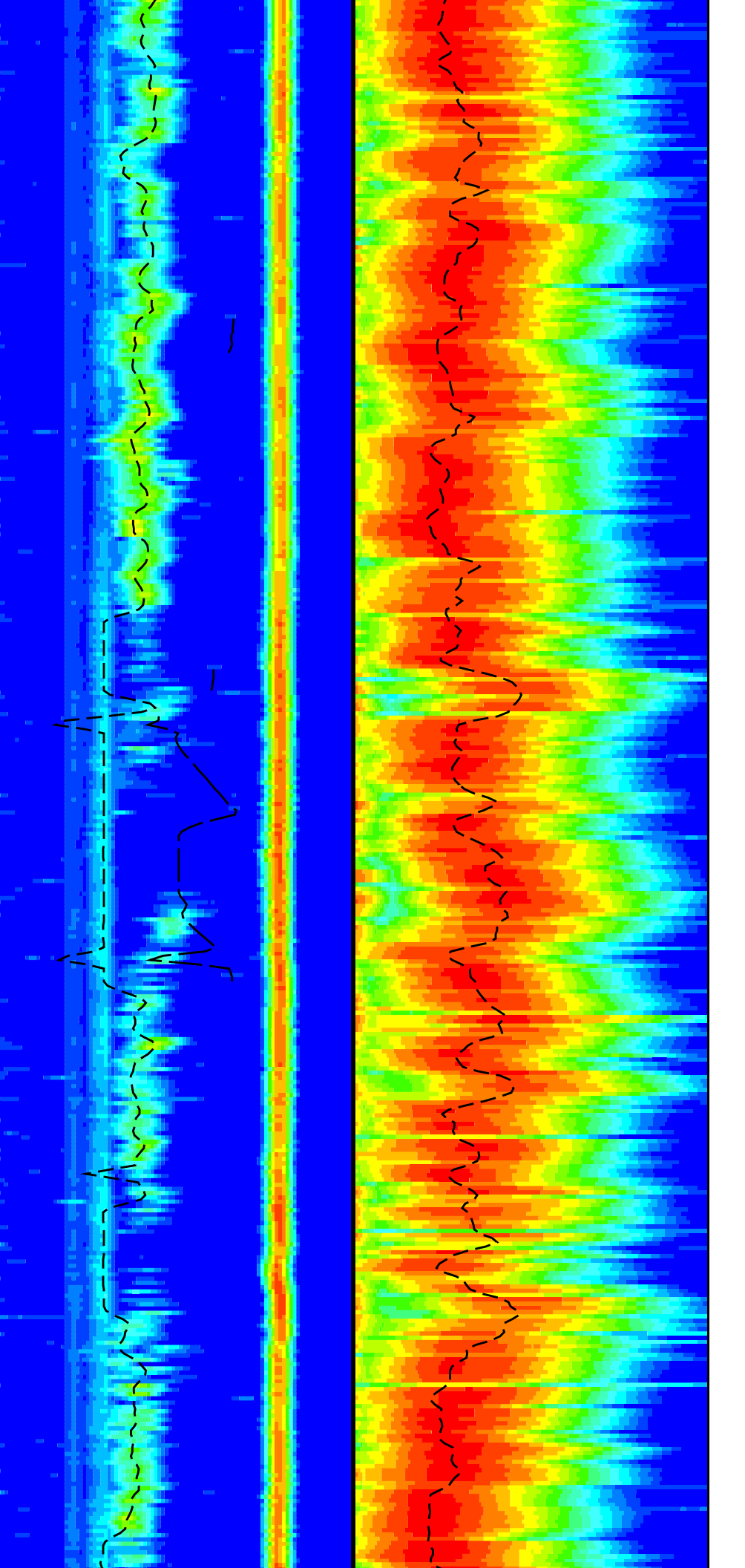
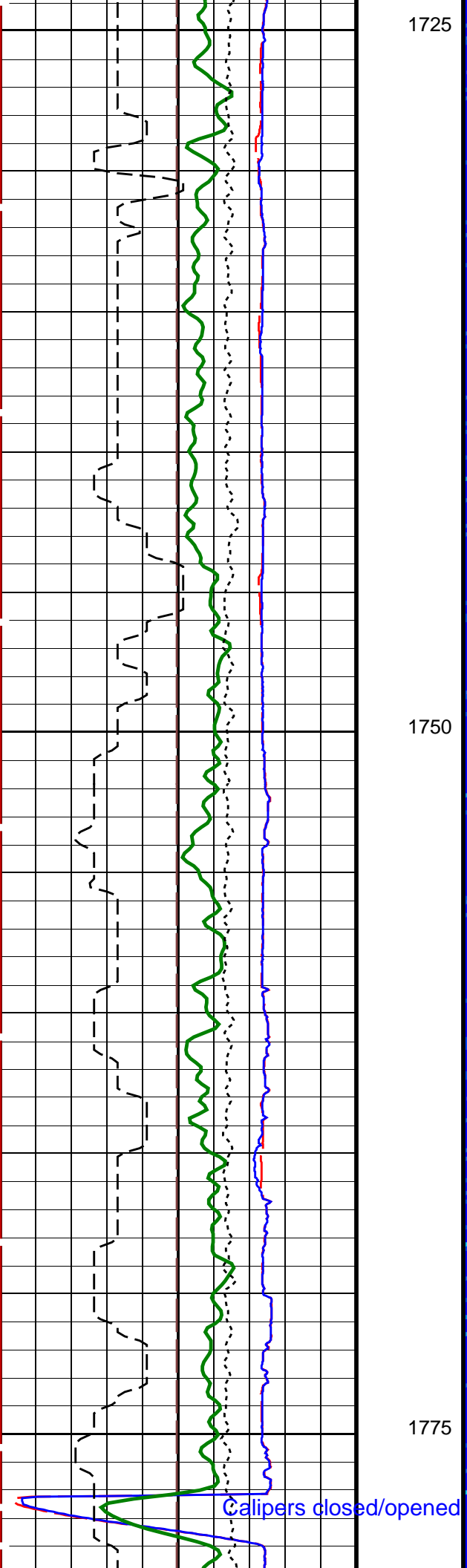
HSGR

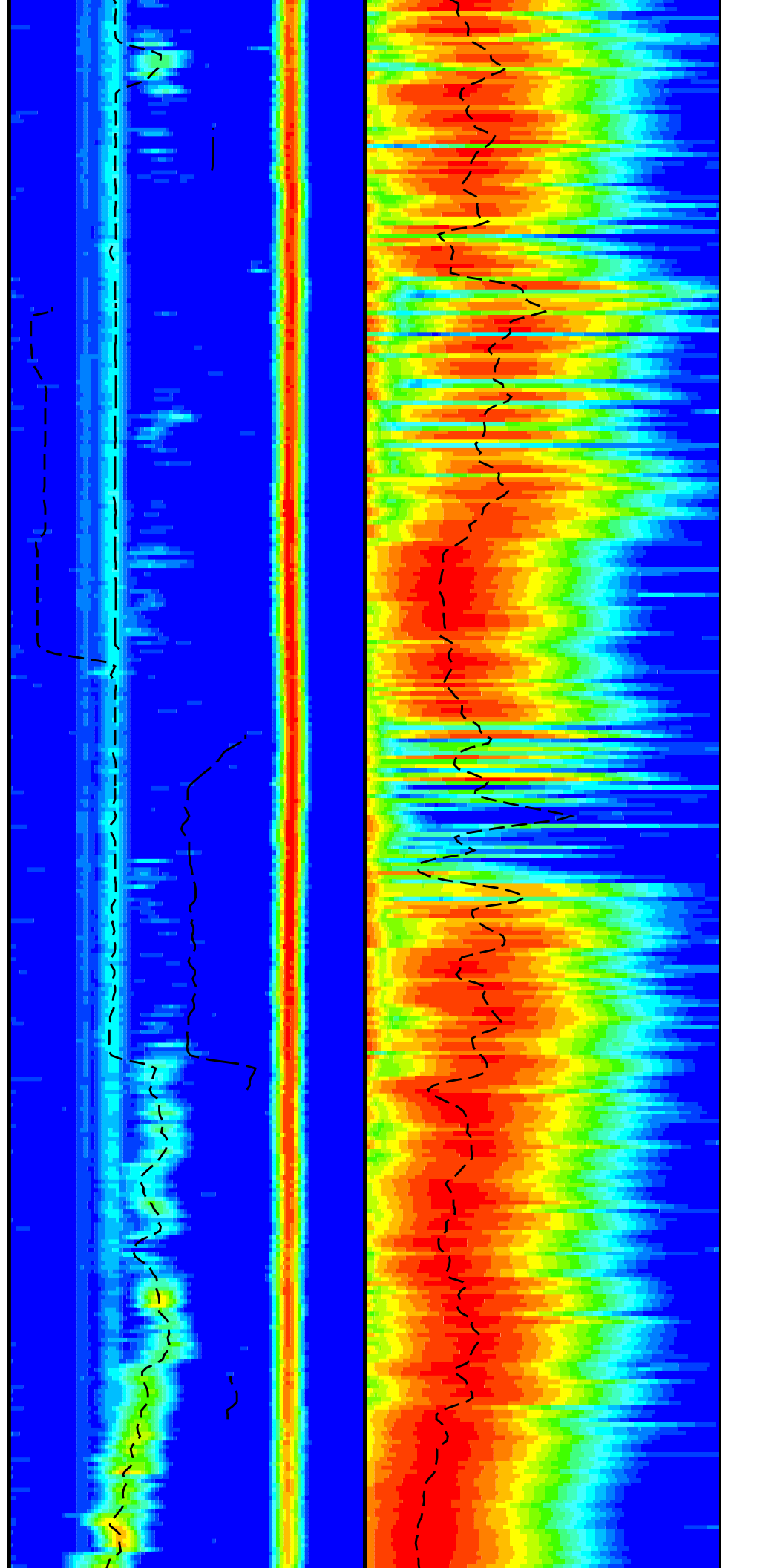
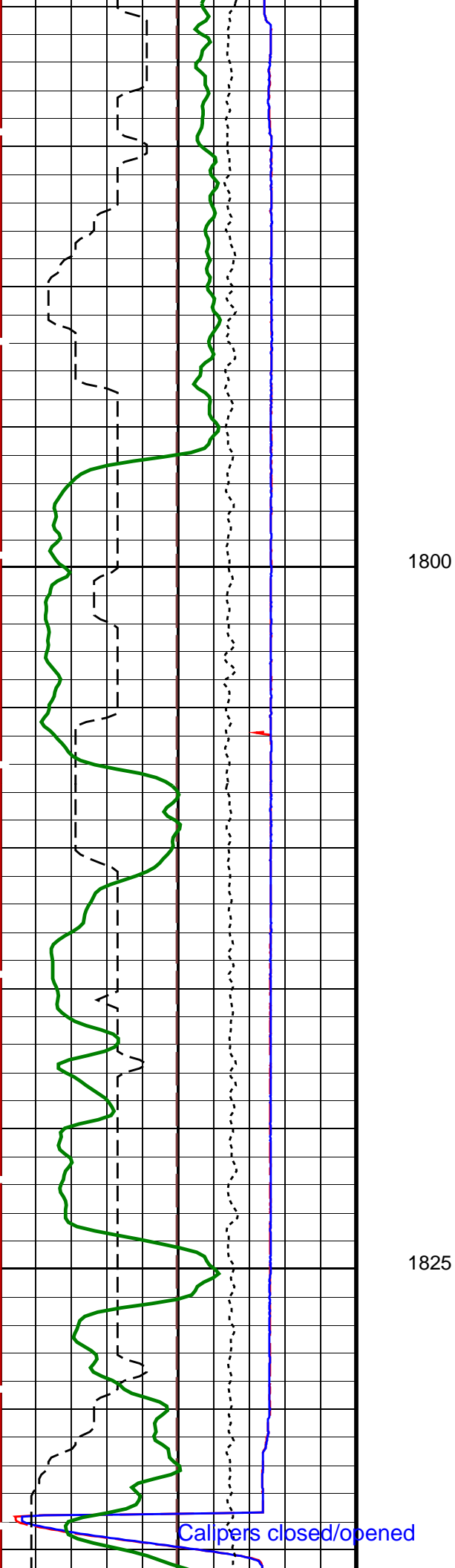


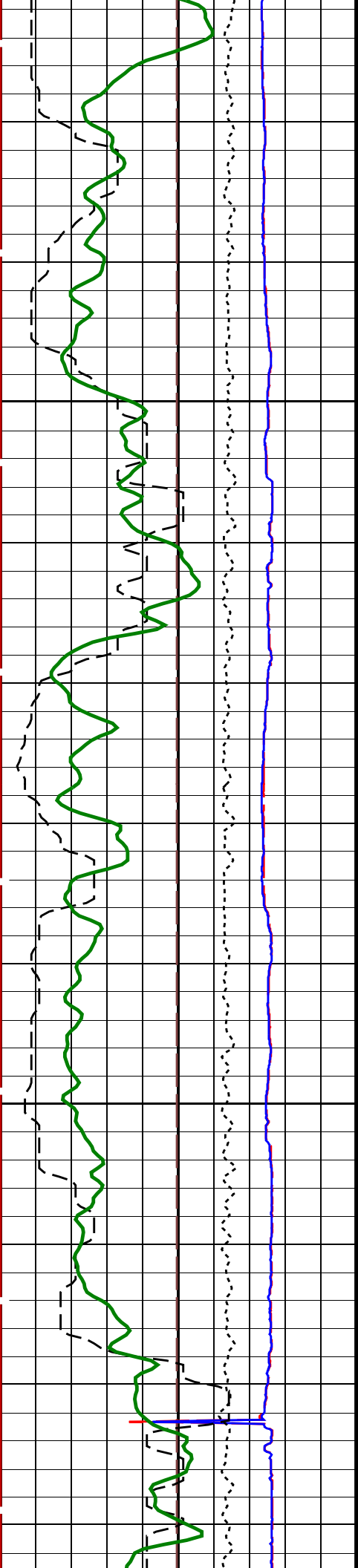
DTRP

DTRS



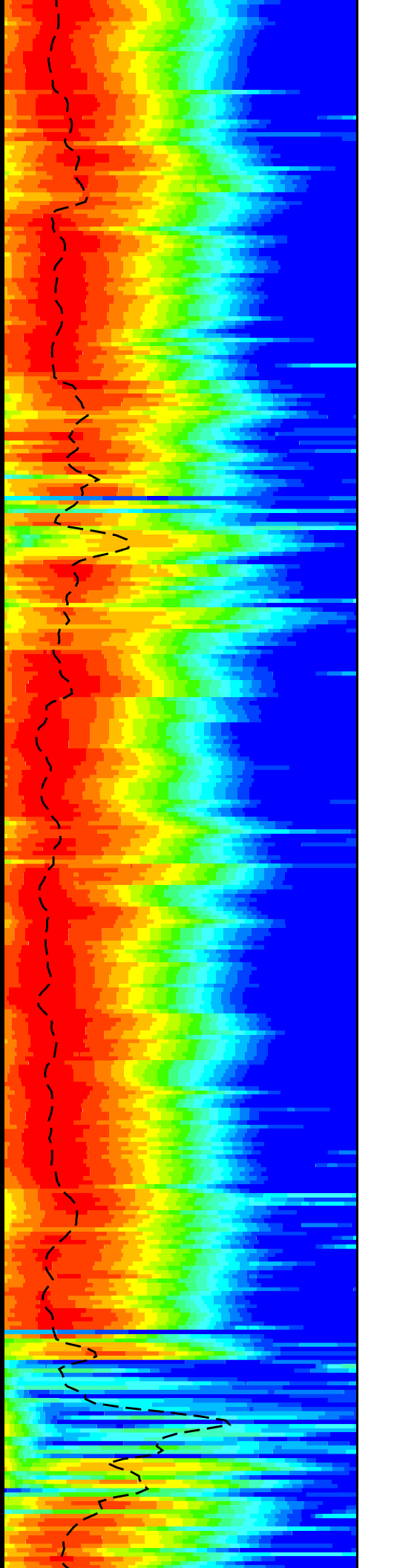
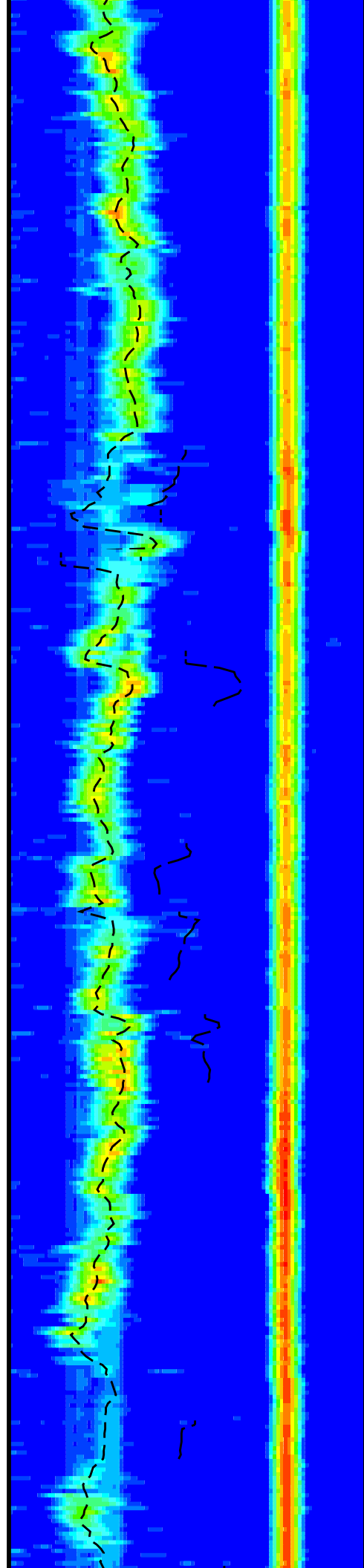


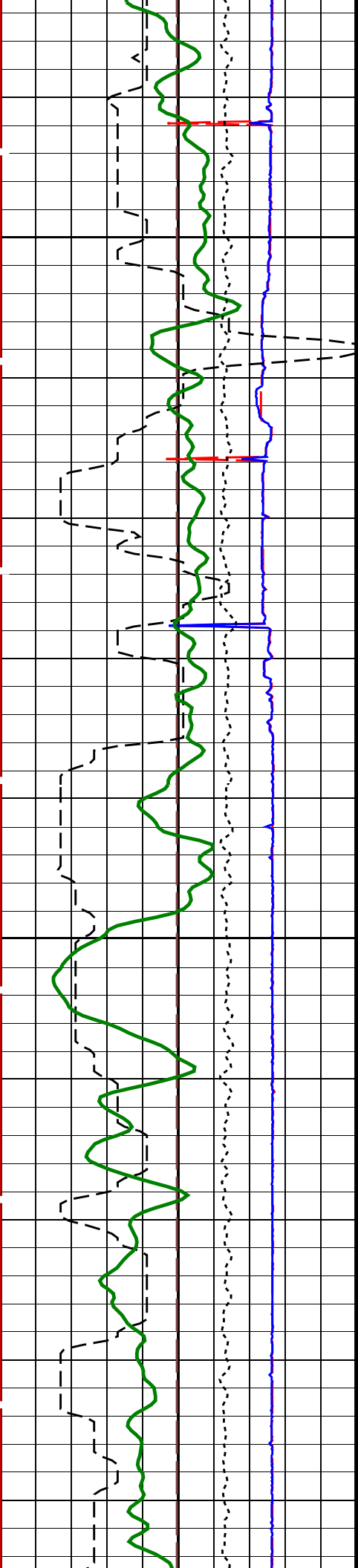




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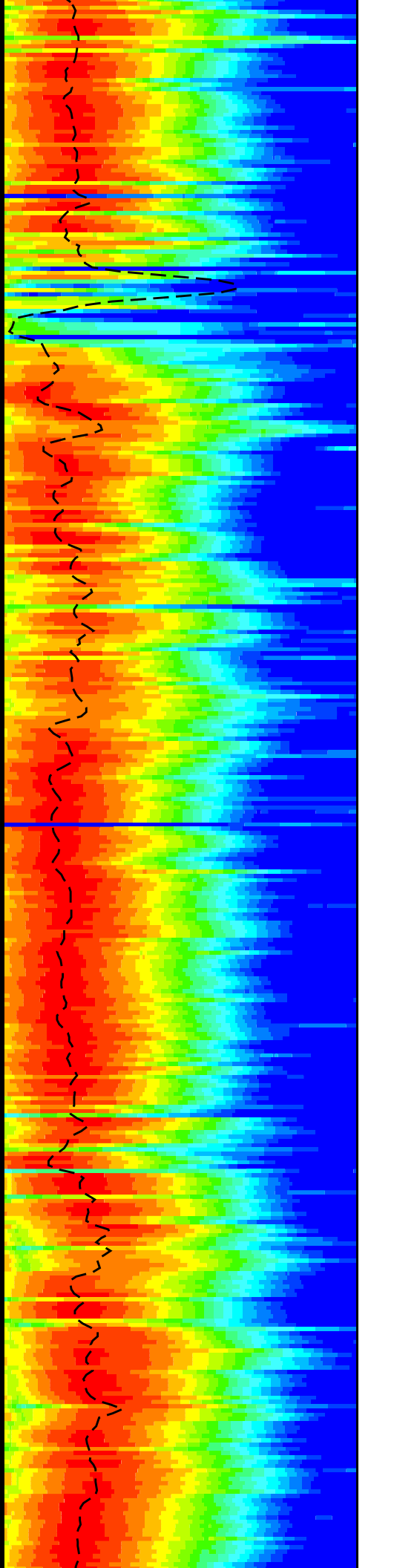
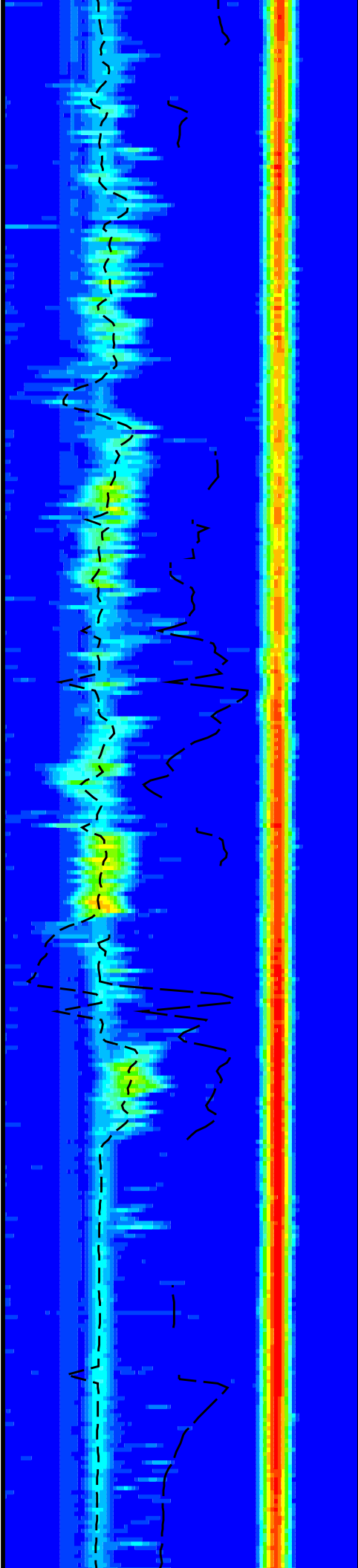
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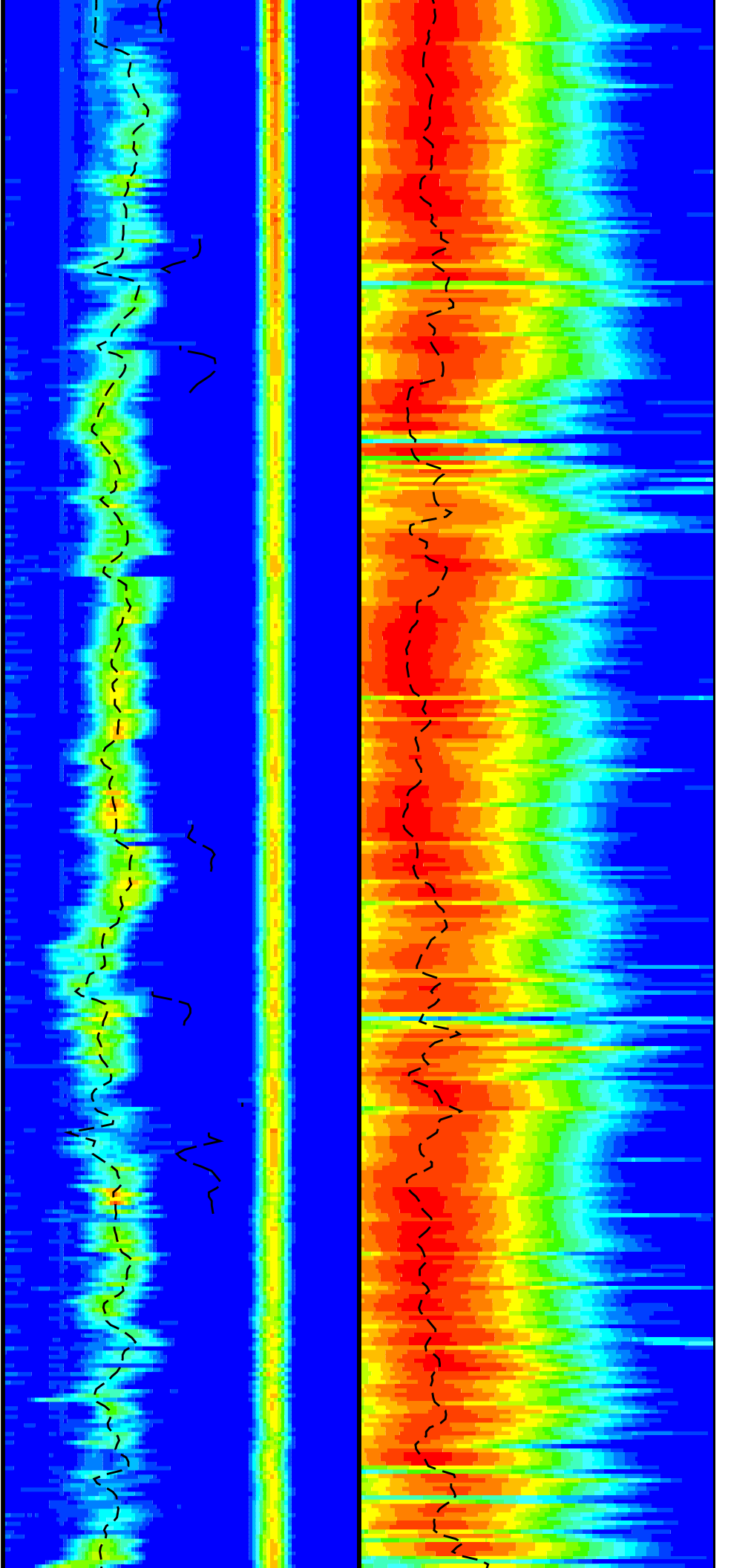
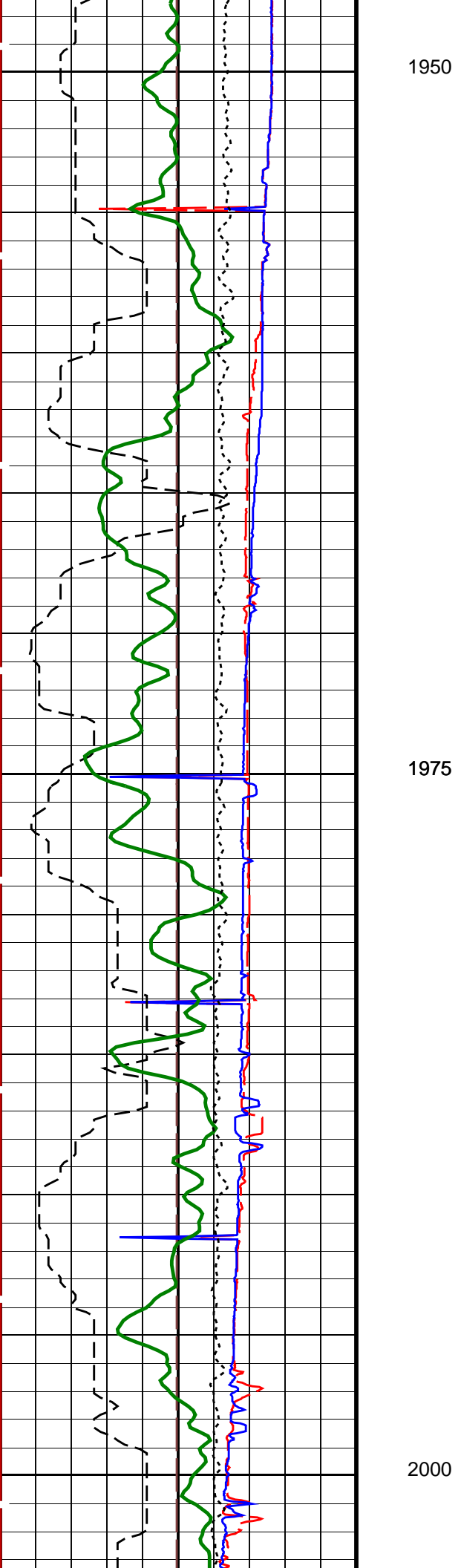


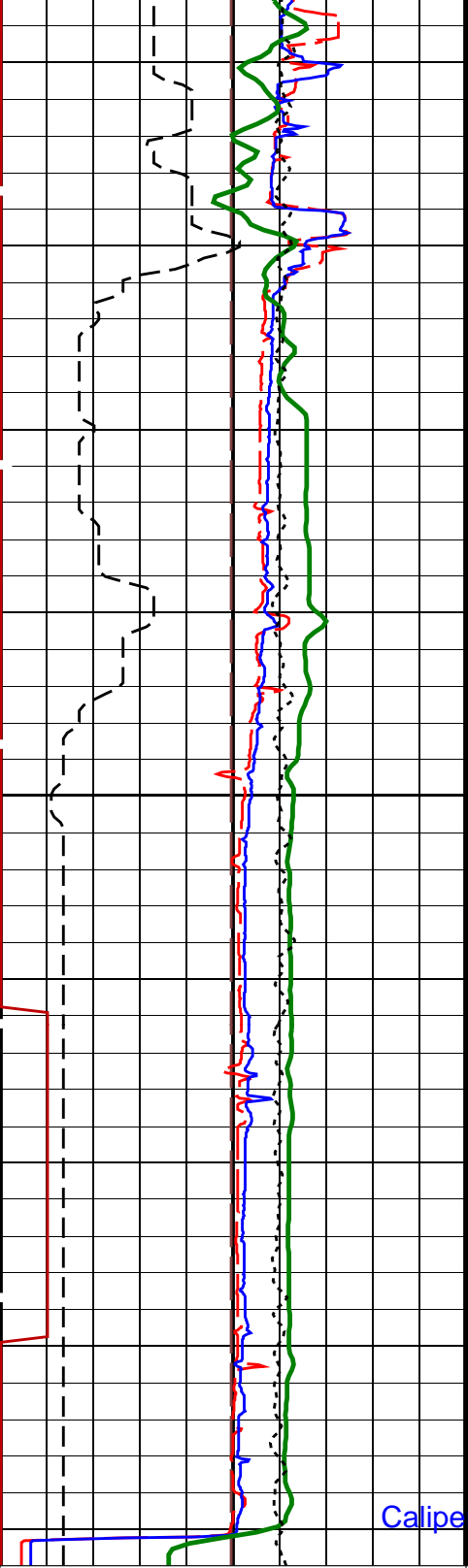


1900

1925





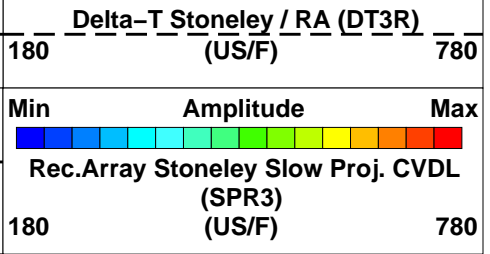
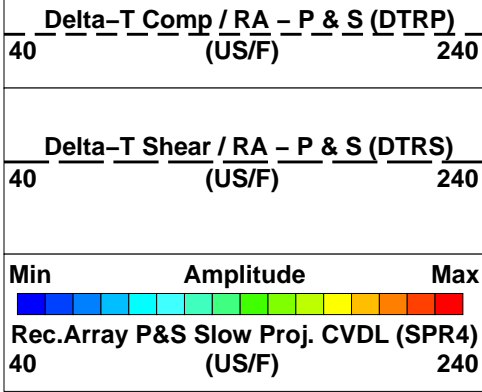
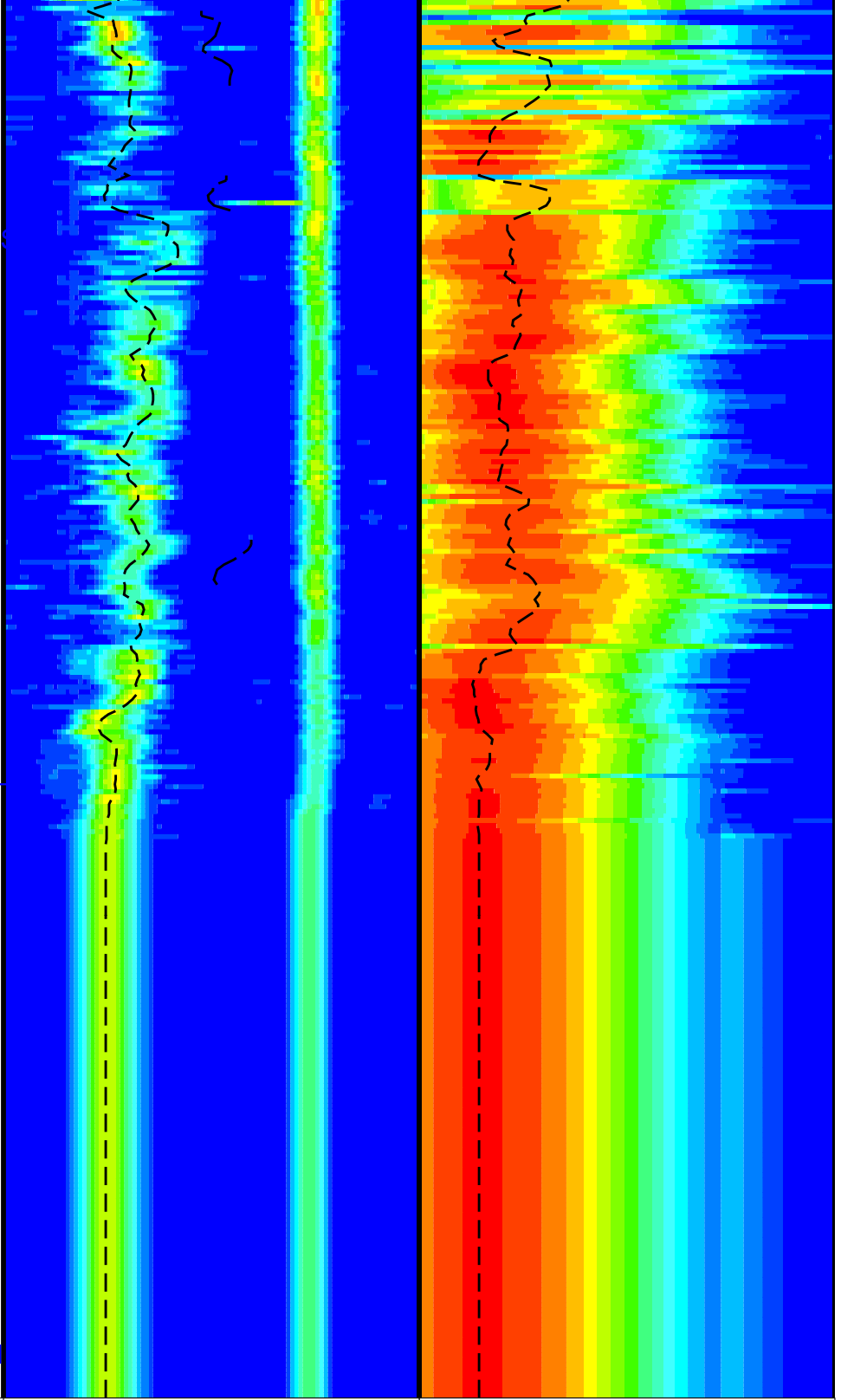
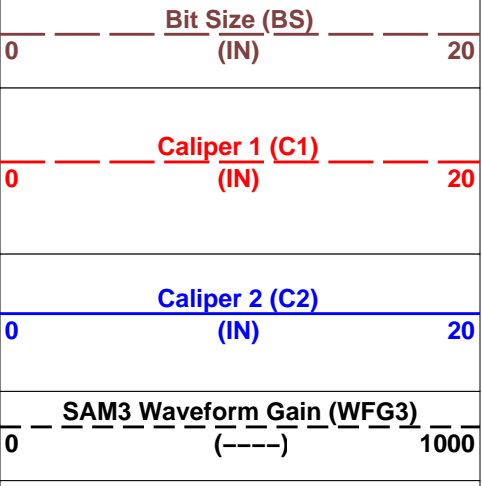


-FR HNG

2025

FR DSI

Calipers Opend TD



Uplog #2

10000	ension (TENS)	0
	(LBF)	
Waveform Data Copy Indicator 3 – Monopole Stoneley (WC13)		
0	(----)	10
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
BHS	Borehole Status	OPEN
CASF	Label Casing Function – Monopole P&S	50
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	40 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	180 US/F
DDE3	Digitizing Delay 3	0 US
DDE4	Digitizing Delay 4	0 US
DDEX	Digitizing Delay X	0 US
DSI3	Digitizer Sample Interval 3	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	189 US/F
DWC3	Digitizer Word Count 3	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
MCS	Mean Casing Slowness	57 US/F
MTXG	Monopole Transmitter Geometry	186 IN
NWI3	Number Waveform Items 3	8
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
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	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	BCR
SAS3	STC Sonic Array Status – Monopole Stoneley	255
SAS4	STC Sonic Array Status – Monopole P&S	255
SBO3	STC Search Band Offset – Monopole Stoneley	2000 US
SBO4	STC Search Band Offset – Monopole P&S	500 US
SBR4	STC Baseline Removal – Monopole P&S	ON
SBW3	STC Search Bandwidth – Monopole Stoneley	6000 US
SBW4	STC Search Bandwidth – Monopole P&S	2000 US
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE
SFC4	STC Formation Character – Monopole P&S	SELECTABLE
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K
SFM4	STC Filter – Monopole P&S	B3–20K
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	75 US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	180 US/F
SLL3	STC Slowness Lower Limit – Monopole Stoneley	180 US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40 US/F
SST3	STC Slowness Step – Monopole Stoneley	4 US/F
SST4	STC Slowness Step – Monopole P&S	2 US/F
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4
STLL	Label Slowness Lower Limit – Monopole Stoneley	180 US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780 US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780 US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240 US/F
SWD3	STC Slowness Width – Monopole Stoneley	40 US/F
SWD4	STC Slowness Width – Monopole P&S	10 US/F
TFE2	STC Time for Baseline Fill – Monopole Stoneley	0 US

TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL3	STC Time Lower Limit – Monopole Stoneley	620	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST3	STC Time Step – Monopole Stoneley	200	US
TST4	STC Time Step – Monopole P&S	50	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12020	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI3	STC Integration Time Window – Monopole Stoneley	1600	US
TWI4	STC Integration Time Window – Monopole P&S	500	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	-0.00376997	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma–Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02259	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03819	
EDTC–B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: Stonely180_780_P&S40_240 Vertical Scale: 1:200 Graphics File Created: 21–Jun–2018 17:29

OP System Version: 19C0–187

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

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP	FN:68	21–Jun–2018 13:28	2046.0 M	1495.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_056PUP	FN:73	PRODUCER	21–Jun–2018 17:29
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Input DLIS Files

LDL_FMS_DSI_NGS_051PUP	FN:68	21–Jun–2018 13:28	2046.0 M	1495.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_056PUP	FN:73	PRODUCER	21–Jun–2018 17:29	2046.0 M	1495.2 M
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OP System Version: 19C0–187

HLDS	19C0–187	MEST–B	19C0–187
DTA–A–8453	19C0–187	DSST–B	19C0–187

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	C1	1674.7 17:31:00

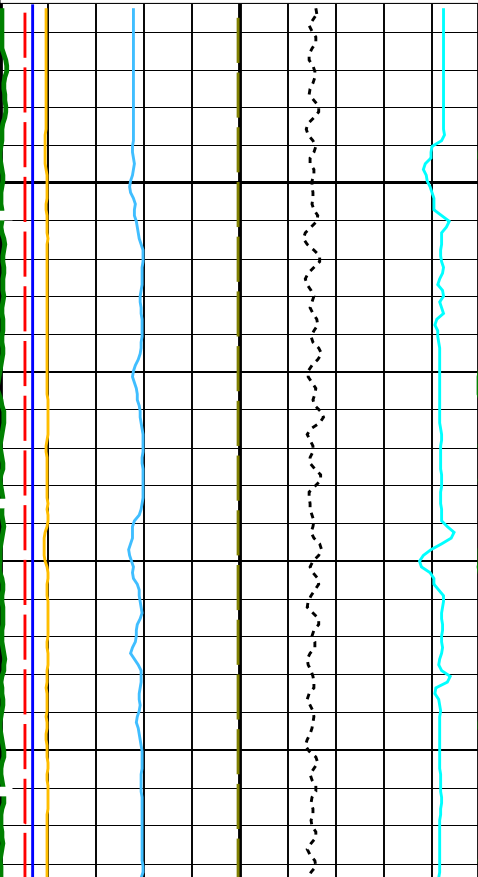
PIP SUMMARY

Time Mark Every 60 S

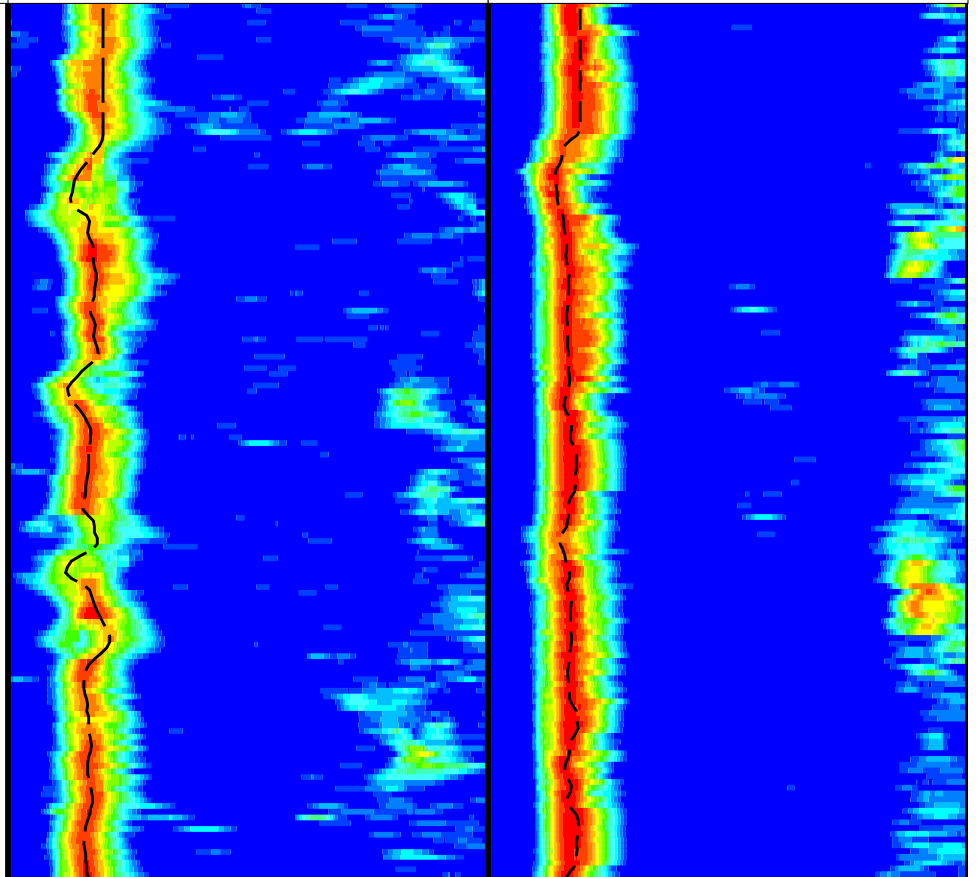
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Tension (TENS)		
10000	(LBF)	0
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Caliper 2 (C2)		
0	(IN)	20
Caliper 1 (C1)		
0	(IN)	20
Bit Size (BS)		
0	(IN)	20

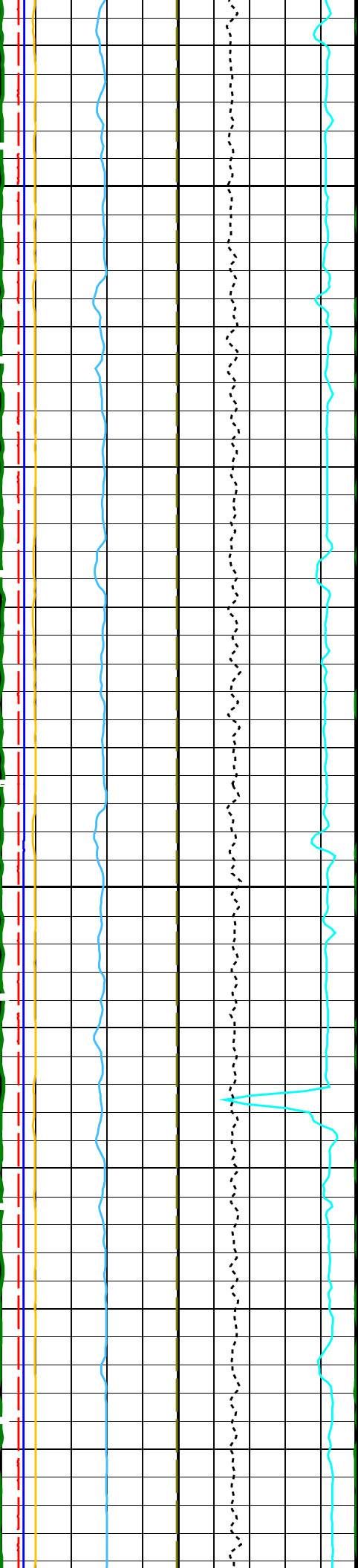
Uplog #2

Min	Amplitude	Max	Min	Amplitude	Max
40	Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)	1400	40	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	1400
40	Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)	1400	40	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	1400



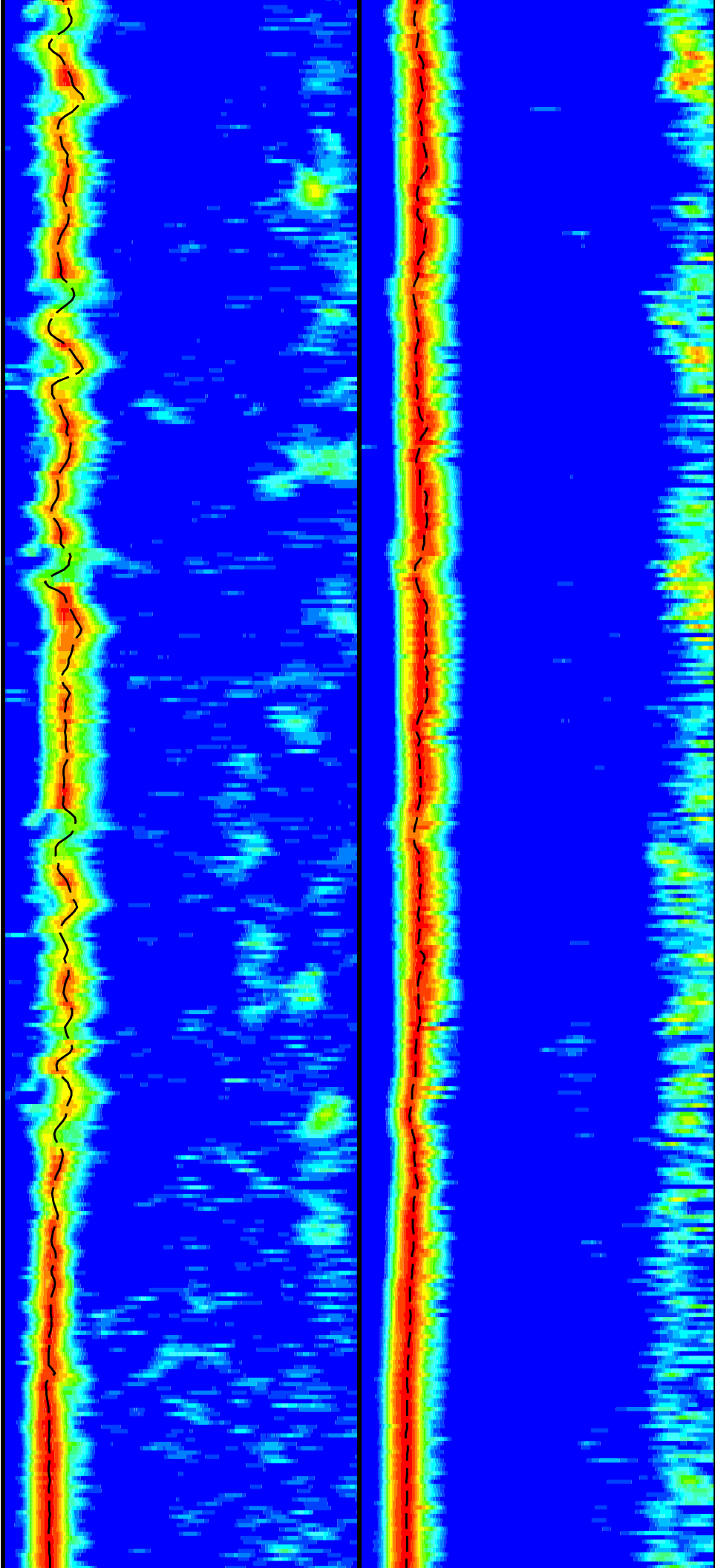
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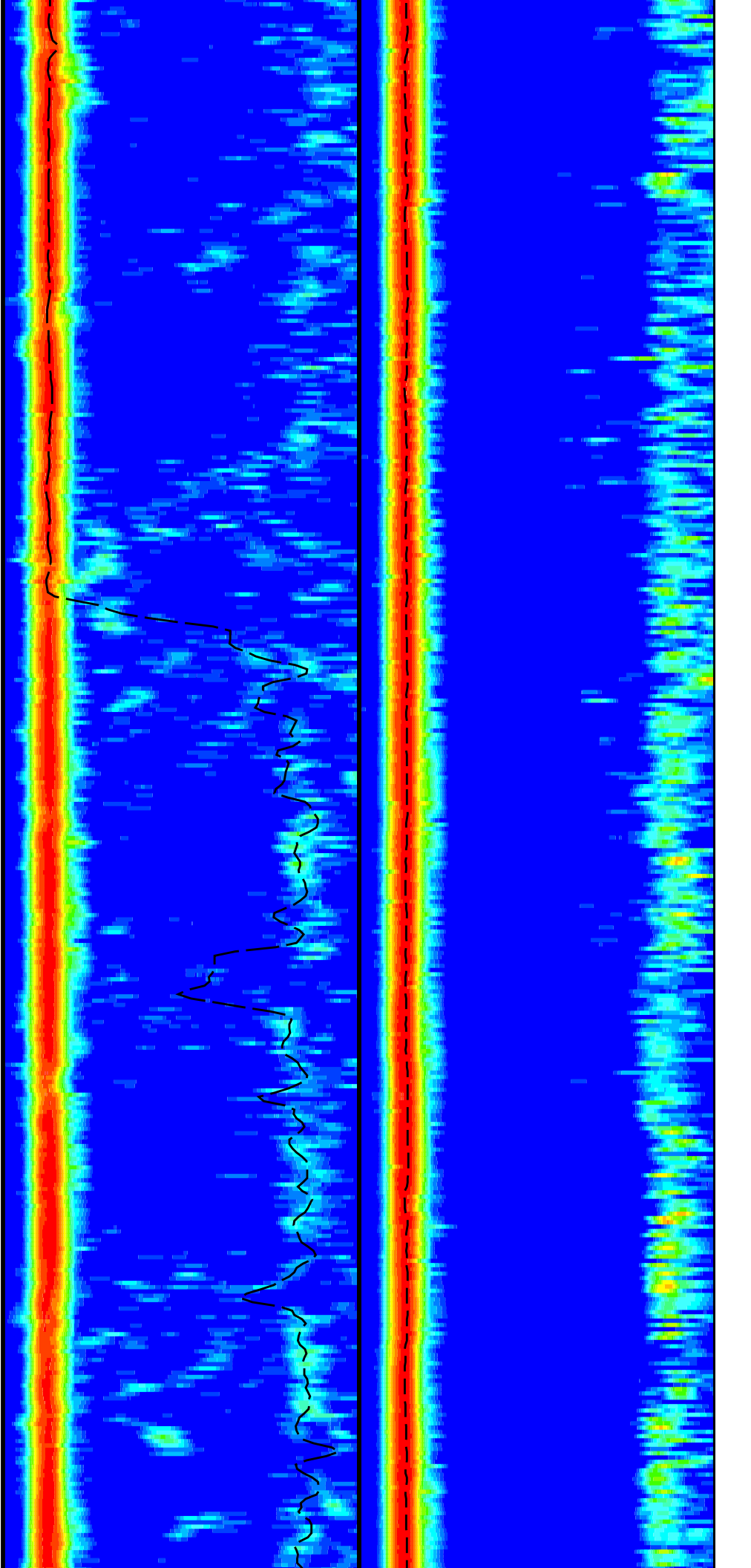
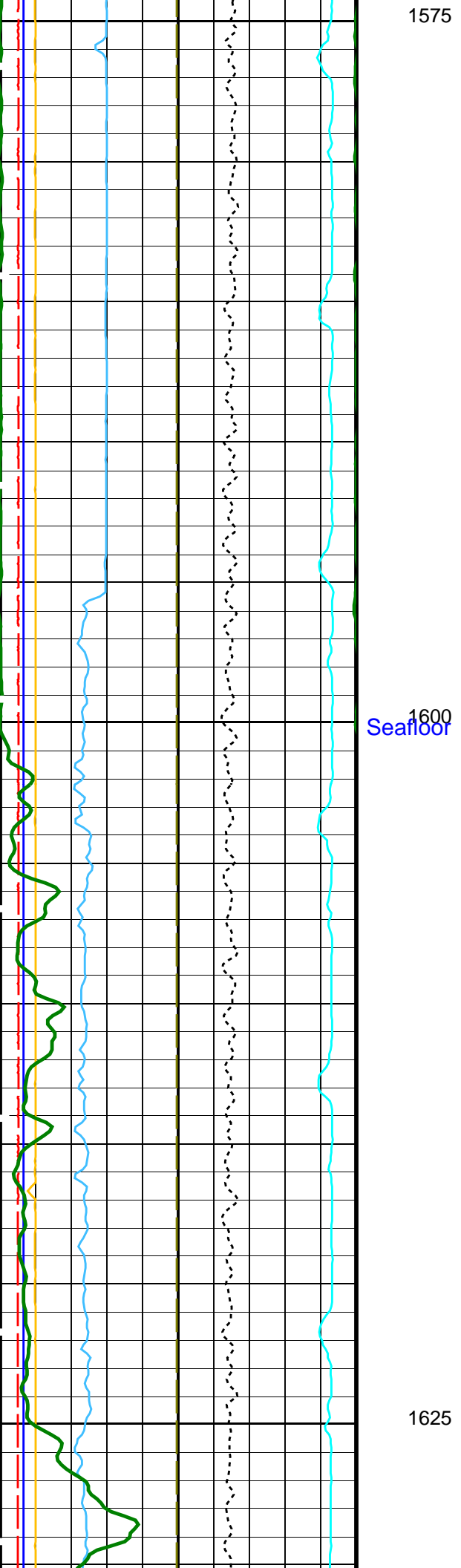


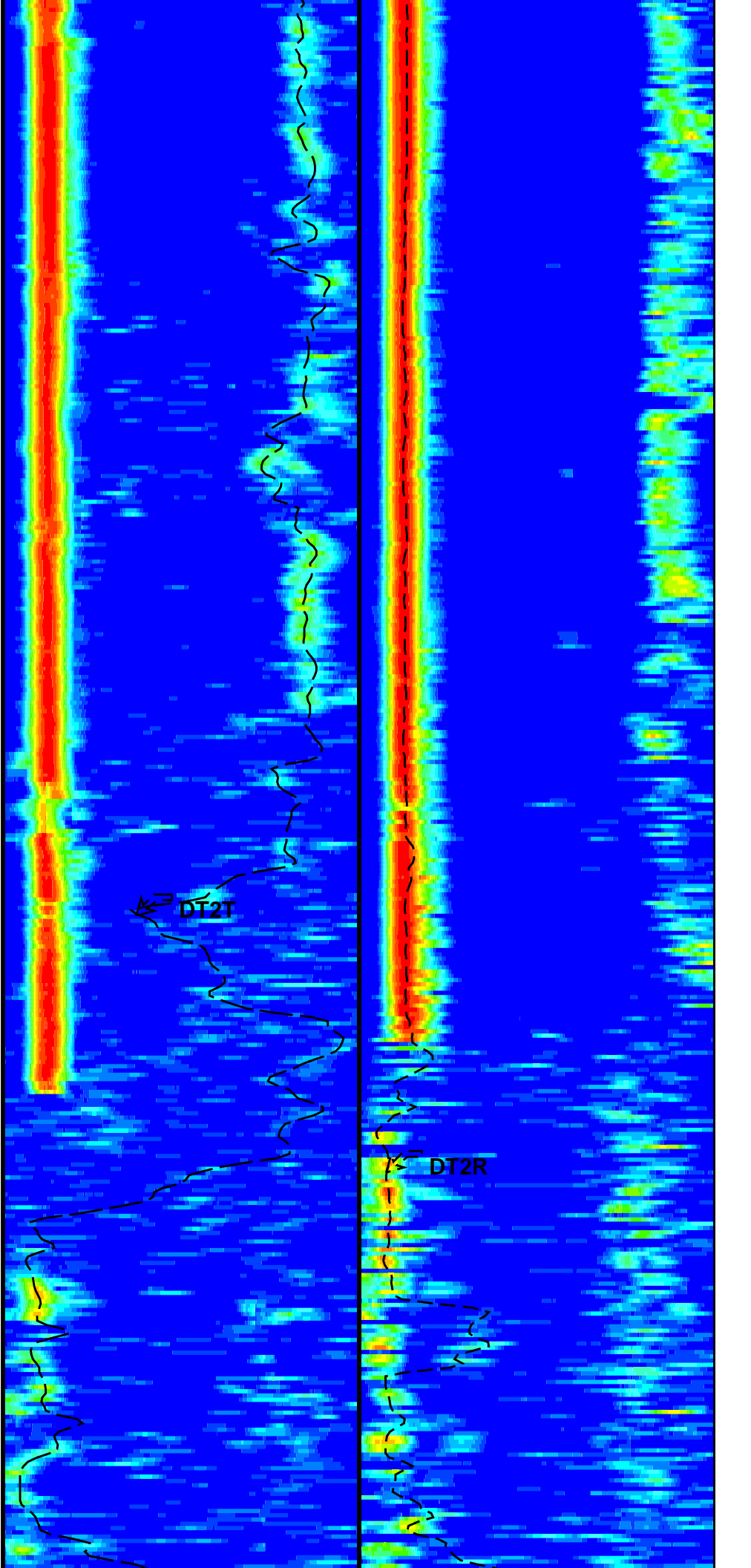
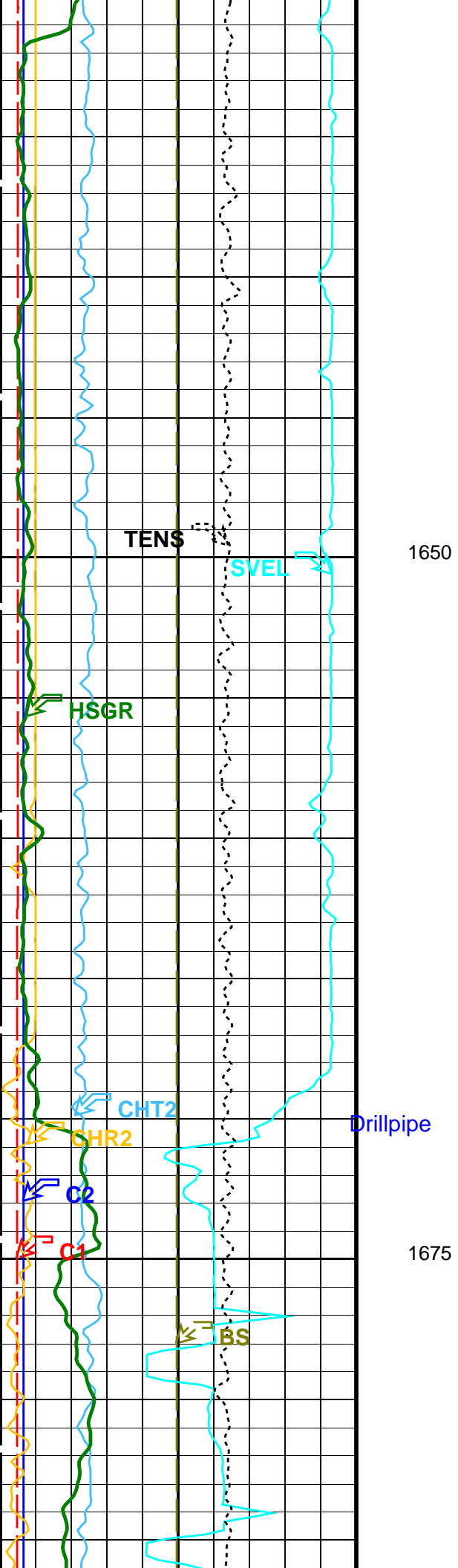


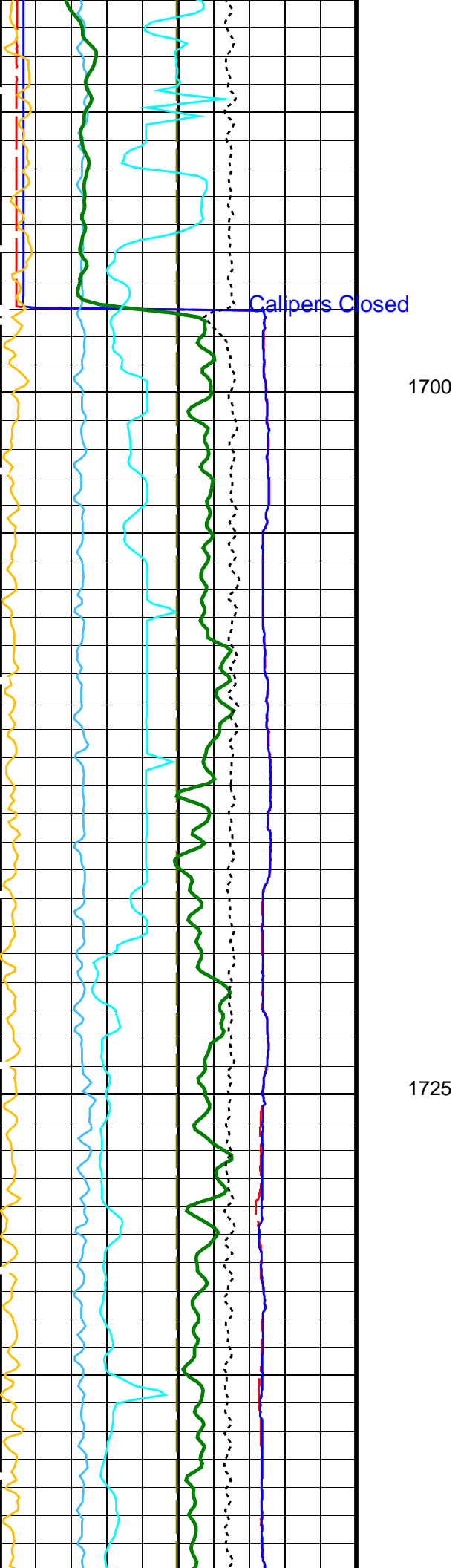
1525

1550





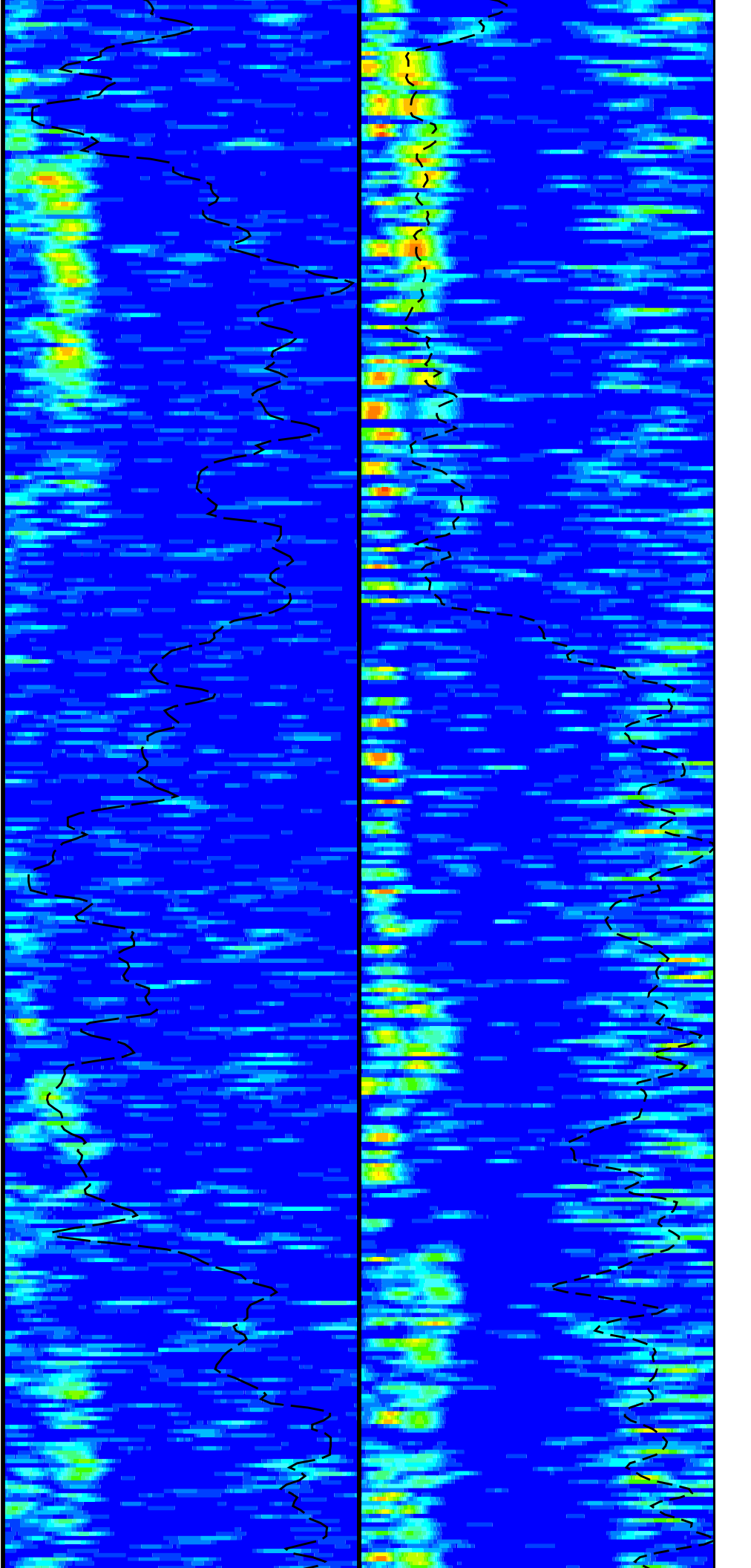


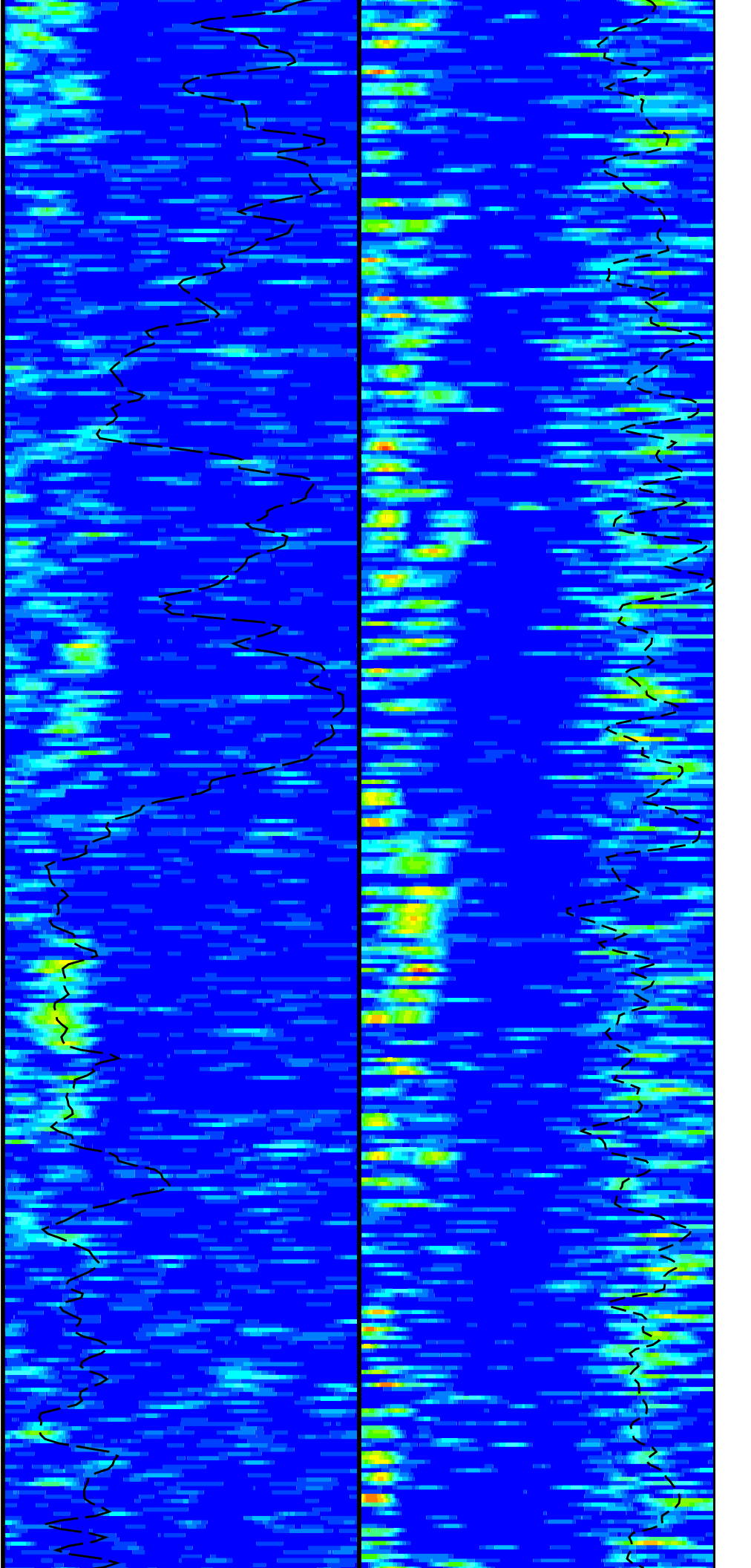
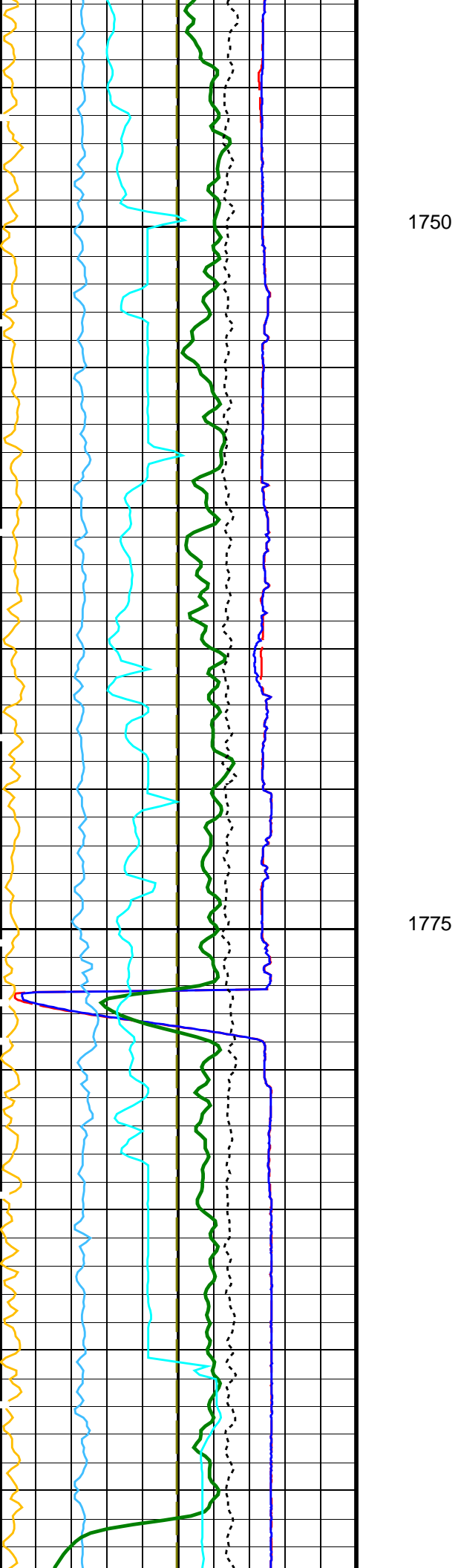


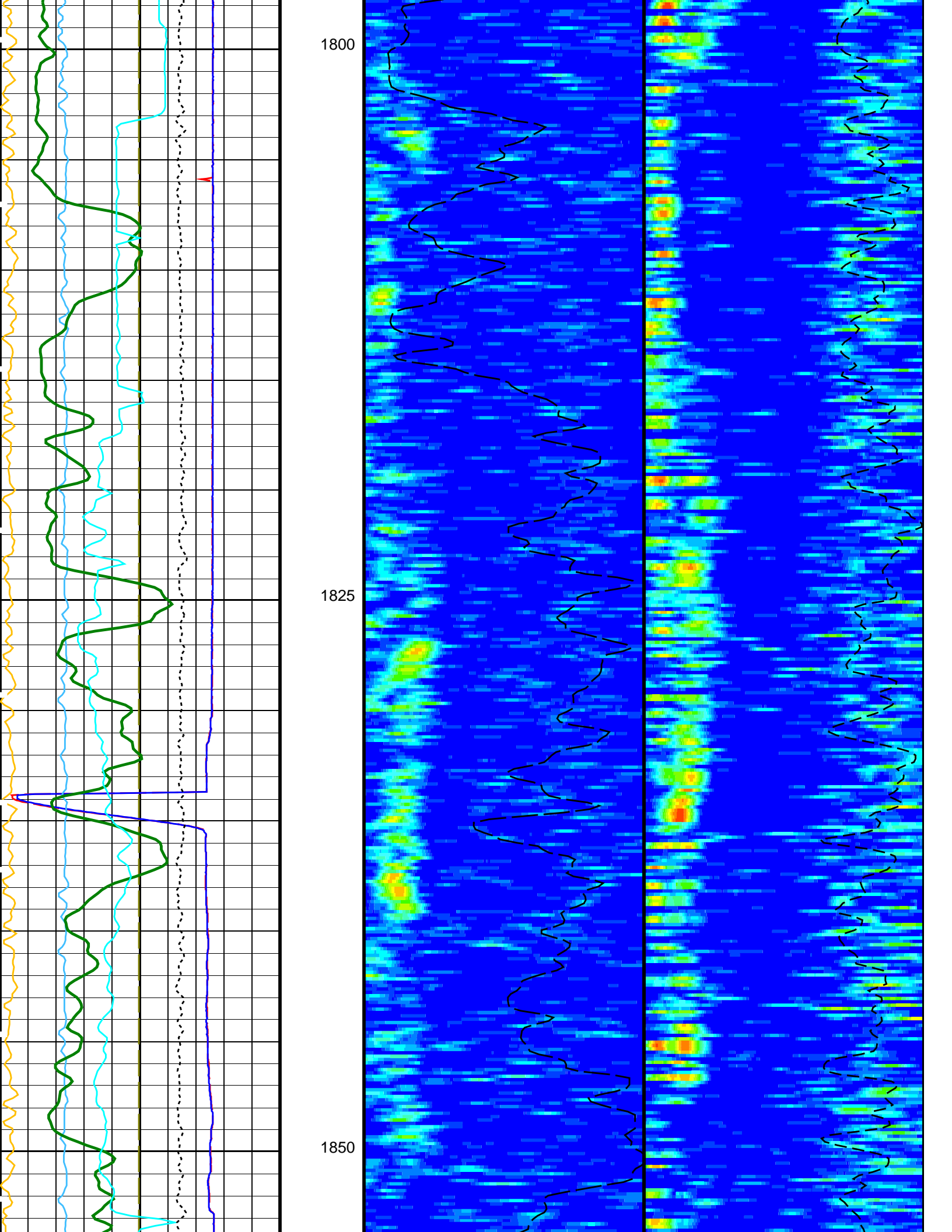
Callipers Closed

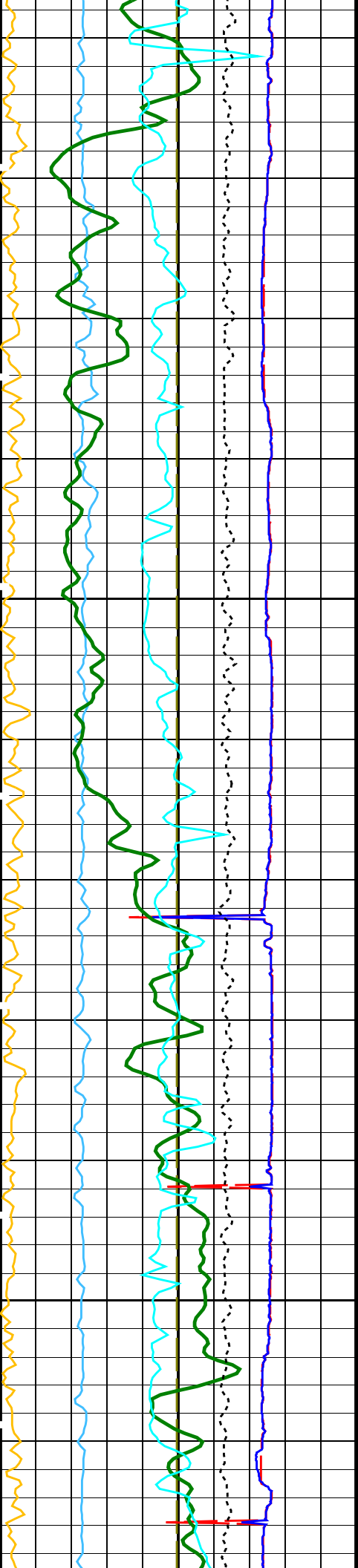
1700

1725



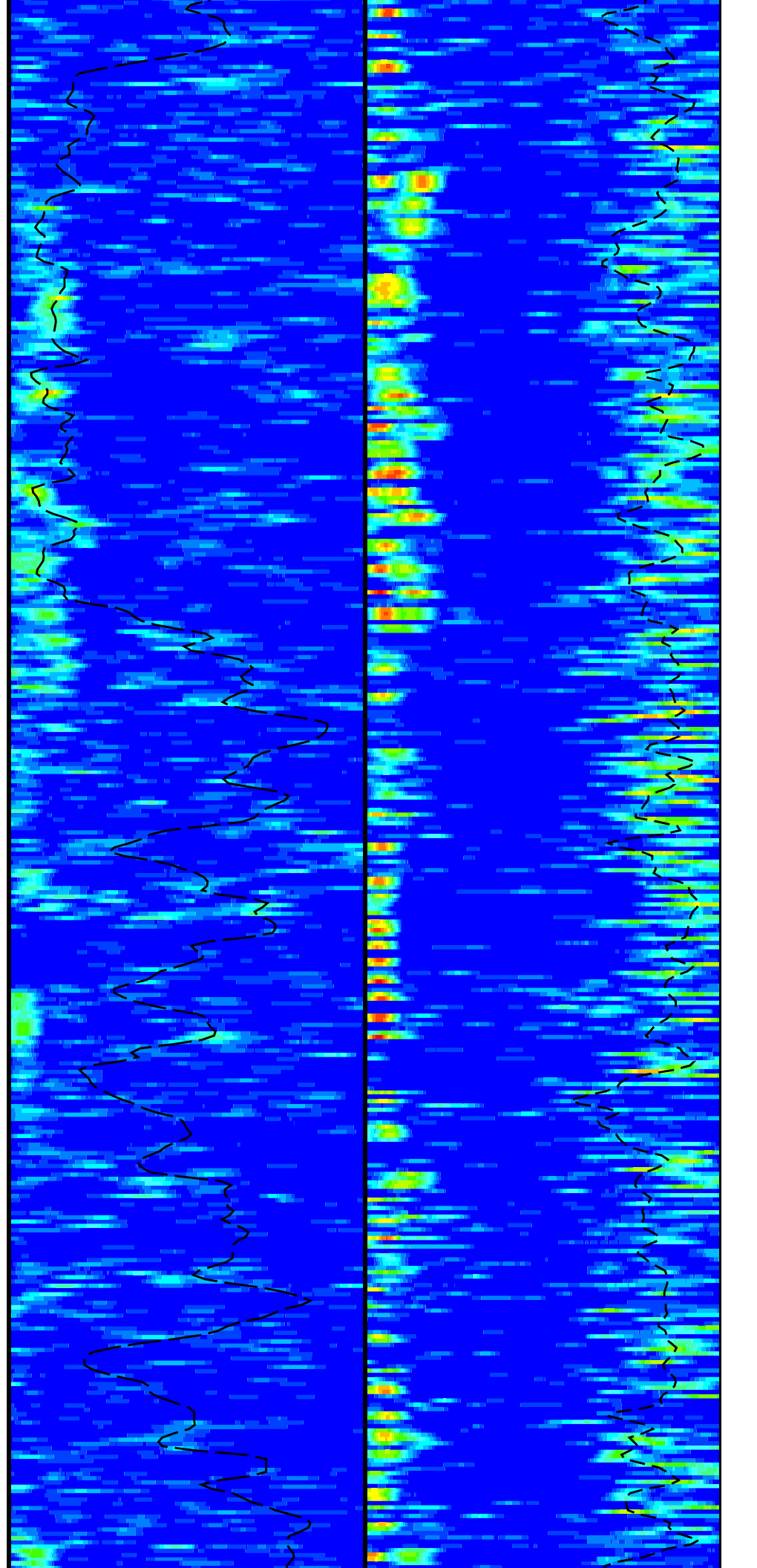


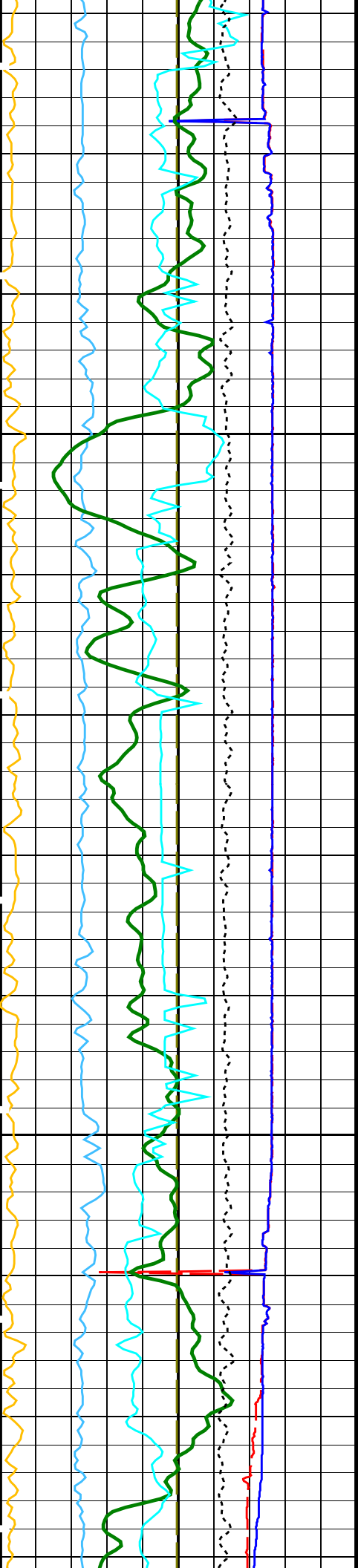




1875

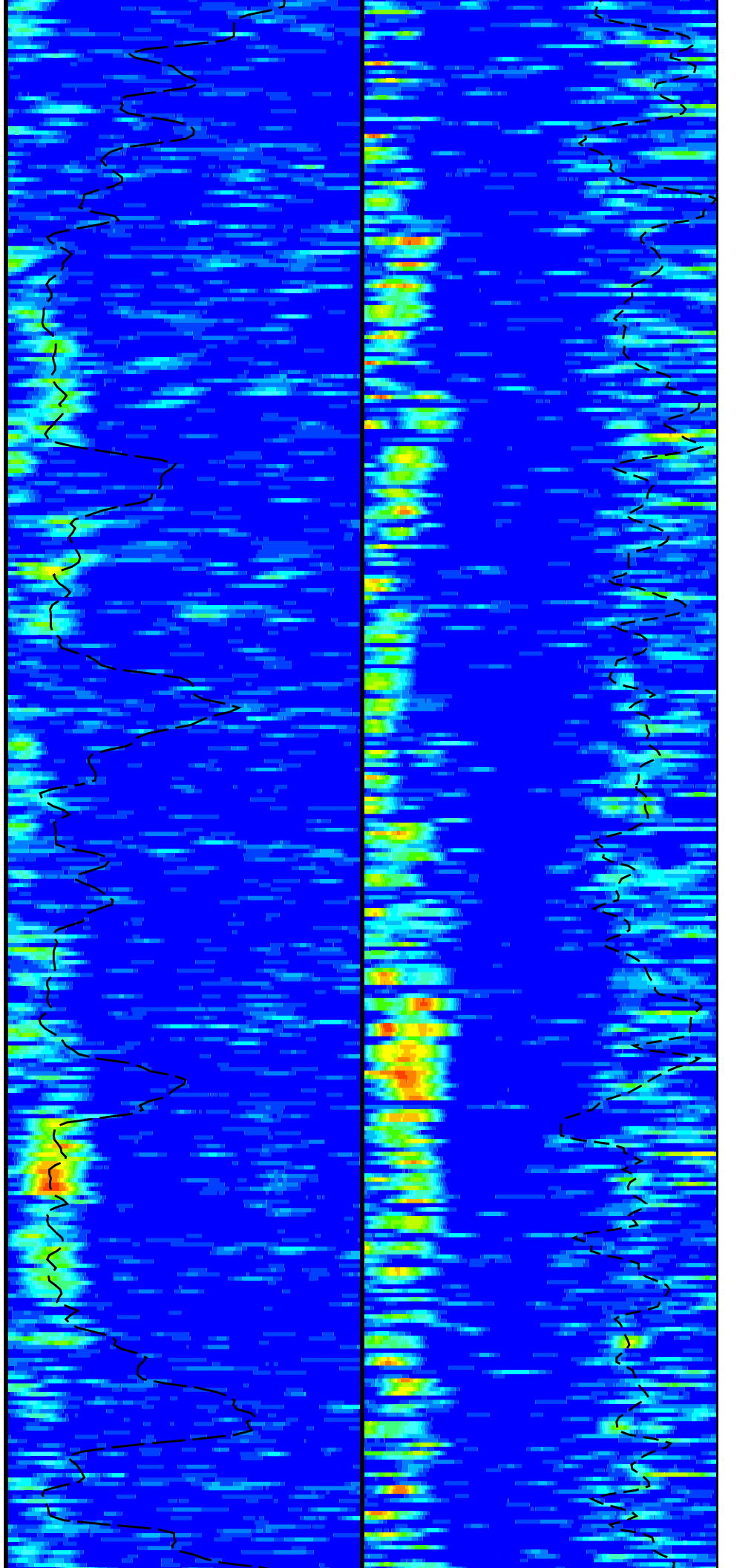
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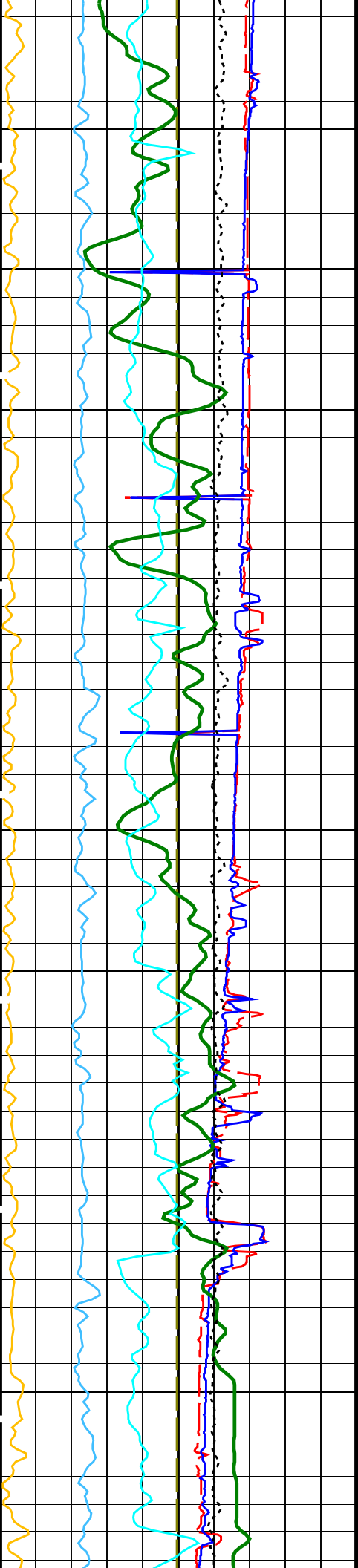




1925

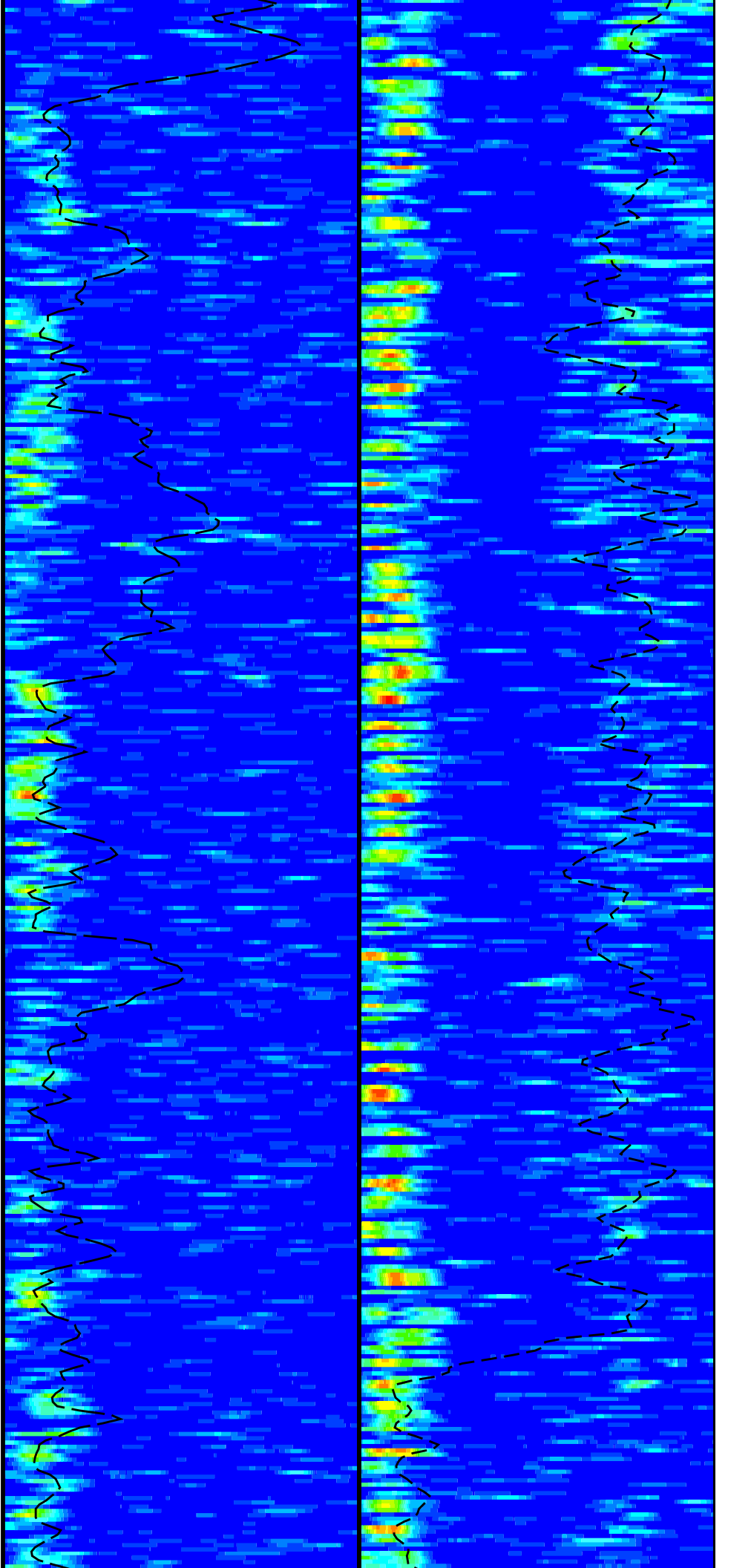
1950

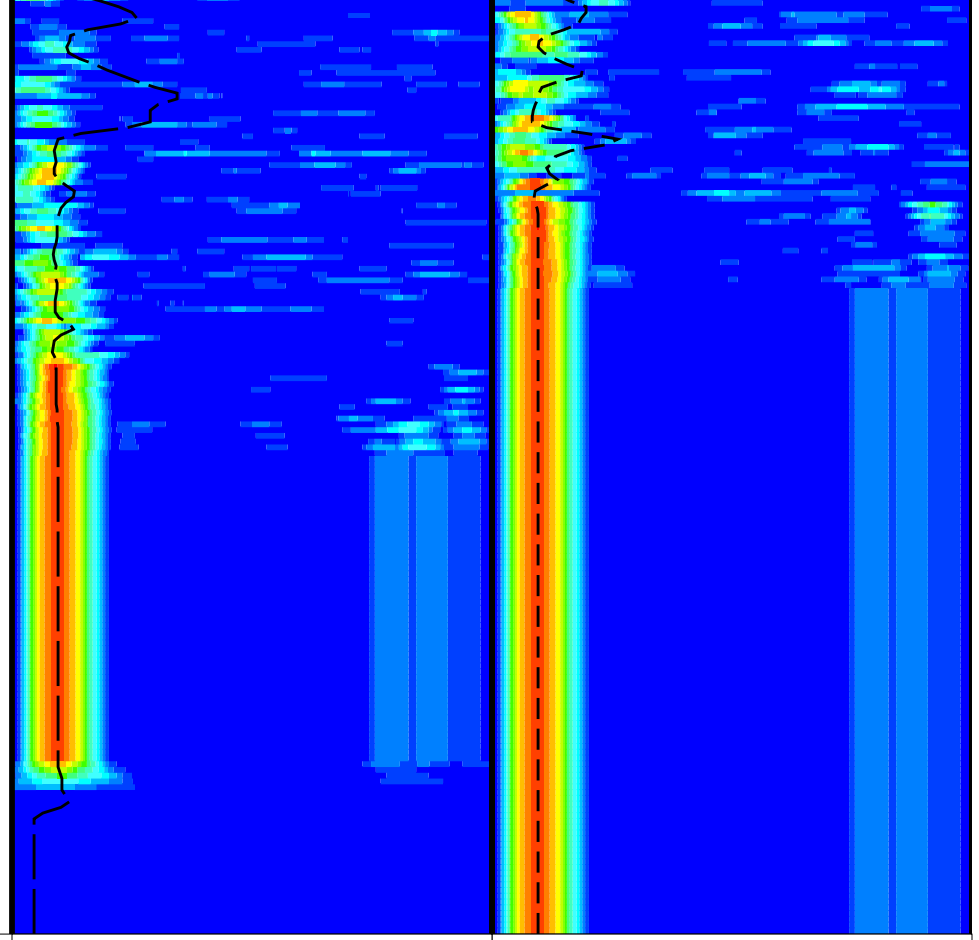
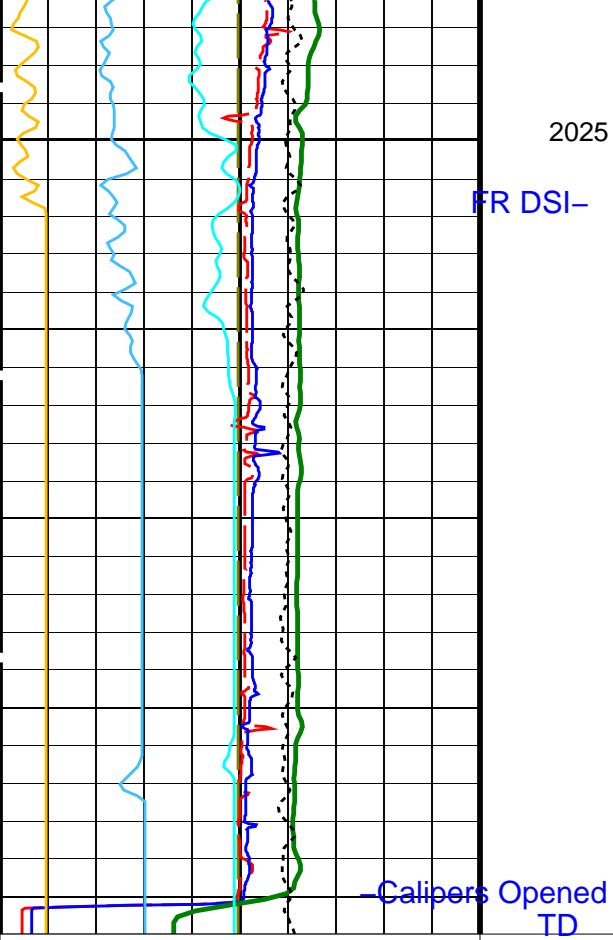




1975

2000





Bit Size (BS) (IN)	0	20
Caliper 1 (C1) (IN)	0	20
Caliper 2 (C2) (IN)	0	20
Sonic Velocity (SVEL) (M/S)	1000	6000
Tension (TENS) (LBF)	10000	0
Peak Coherence / RA - Upper Dipole (CHR2)	0	10
Peak Coherence / TA - Upper Dipole (CHT2)	-2	8
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	0	100

Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)	40	1400	Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)	40	1400
Min	Amplitude	Max	Min	Amplitude	Max
40	Tr.Array U.Dipole Slow Proj. CVDL (SPT2) (US/F)	1400	40	Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)	1400

Uplog #2

PIP SUMMARY
 Time Mark Every 60 S

DLIS Name	Description	Value
BHS	DSST-B: Dipole Shear Imager - B Borehole Status	OPEN

DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	40	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1400	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
GCSE	Generalized Caliper Selection	C1	
NWI2	Number Waveform Items 2	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
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	BCR	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-2K	
SLL2	STC Slowness Lower Limit - Upper Dipole	40	US/F
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit - Upper Dipole	1400	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TST2	STC Time Step - Upper Dipole	200	US
TUL2	STC Time Upper Limit - Upper Dipole	20440	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UTXG	Upper Dipole Transmitter Geometry	162	IN
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	-0.00376997	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02259	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03819	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: SAM2_BHC Vertical Scale: 1:200

Graphics File Created: 21-Jun-2018 17:29

OP System Version: 19C0-187

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

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP FN:68 21-Jun-2018 13:28 2046.0 M 1495.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_056PUP FN:73 PRODUCER 21-Jun-2018 17:29

Company: International Ocean Discovery Program Well: Expedition 376, Site U1530A

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP FN:68 21-Jun-2018 13:28 2046.0 M 1495.2 M

Output DLIS Files

DEFAULT LDL_FMS_DSI_NGS_056PUP FN:73 PRODUCER 21-Jun-2018 17:29 2046.0 M 1495.2 M

OP System Version: 19C0-187

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

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	C1	1674.7 17:31:00

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		
0	(----)	10
Peak Coherence / RA - P & S Shear (CHRS)		
-1	(----)	9
Peak Coherence / RA - P & S Comp (CHRP)		
0	(----)	10
Peak Coherence / TA - Upper Dipole (CHT2)		
-2	(----)	8
Peak Coherence / RA - Upper Dipole (CHR2)		
0	(----)	10
Gamma Ray (GR_EDTC)		
0	(GAPI)	100
Poisson's Ratio (PR)		
0	(----)	0.5
Sonic Velocity (SVEL)		
1000	(M/S)	6000
Sonde Deviation (SDEVM)		
0	(DEG)	10

(DEC)		
Poisson's Ratio (PR)		
0	(----	0.5
Caliper 1 (C1)		
0	(IN)	20

Uplog #2

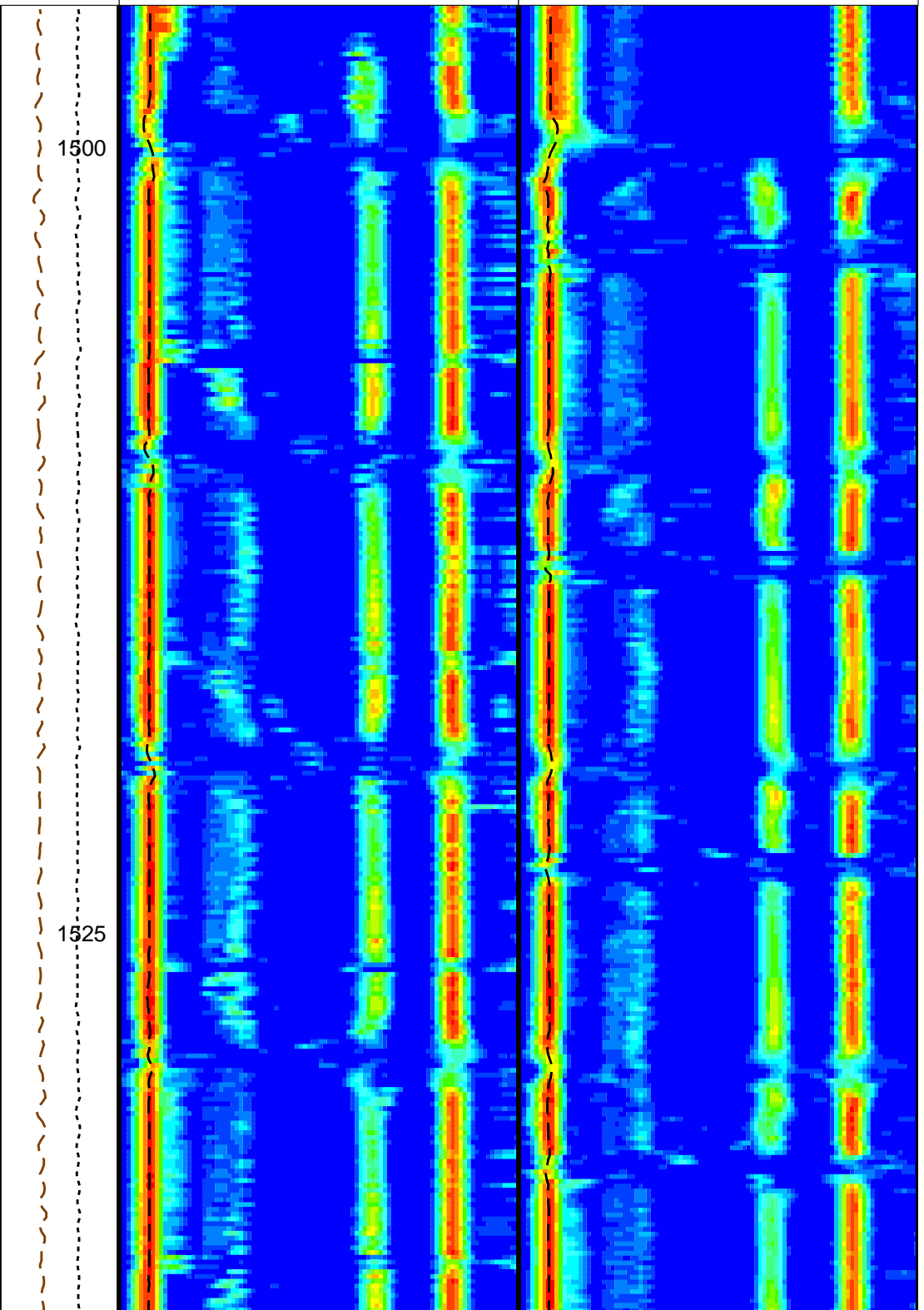
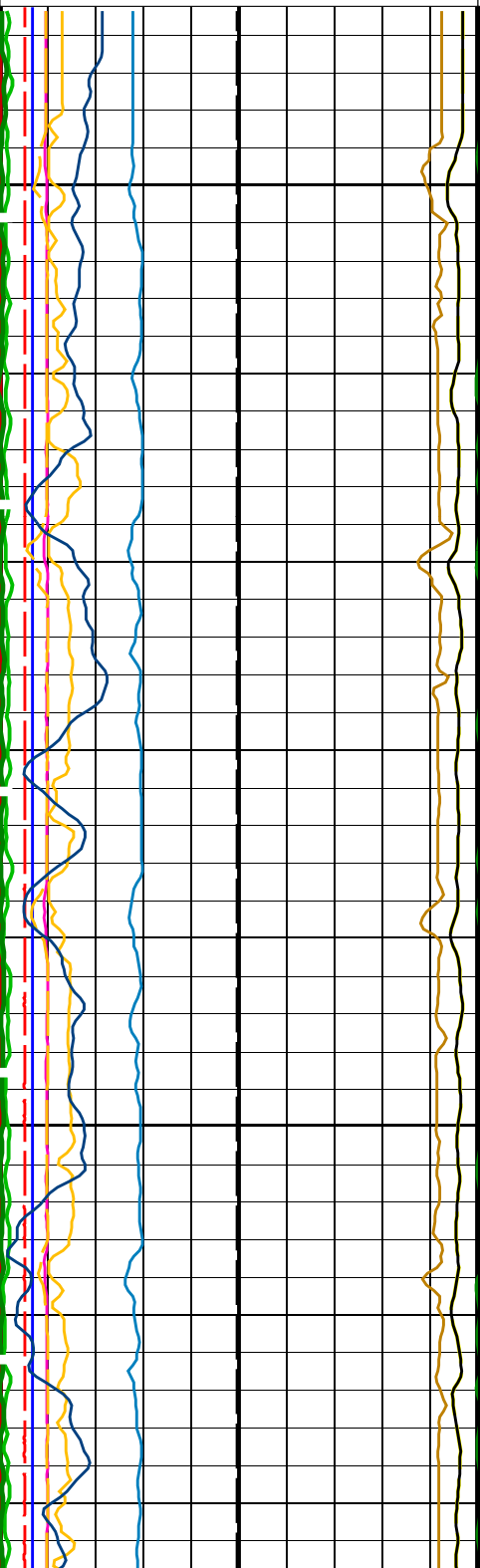
Caliper 2 (C2)		
0	(IN)	20
Bit Size (BS)		
0	(IN)	20

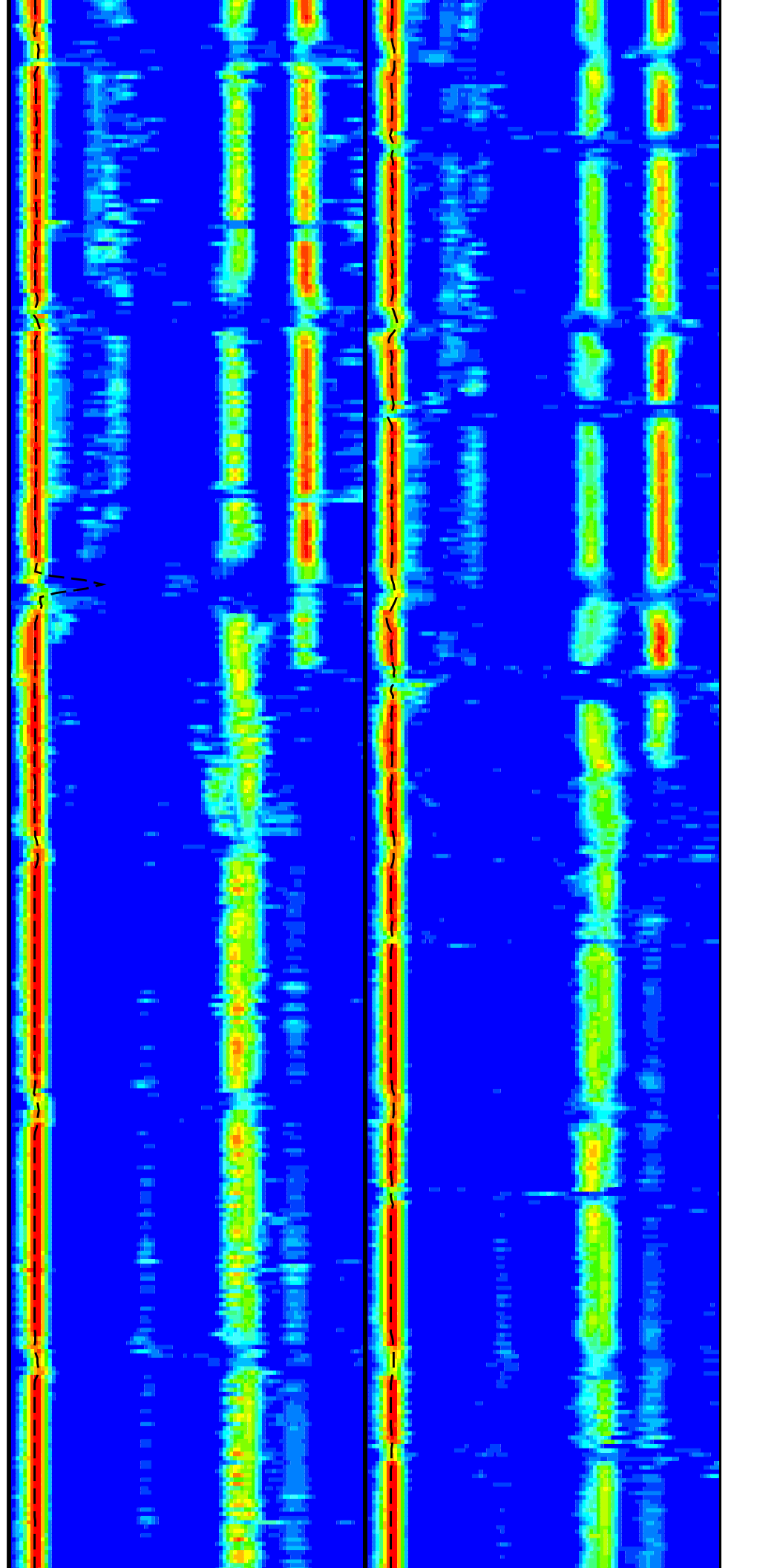
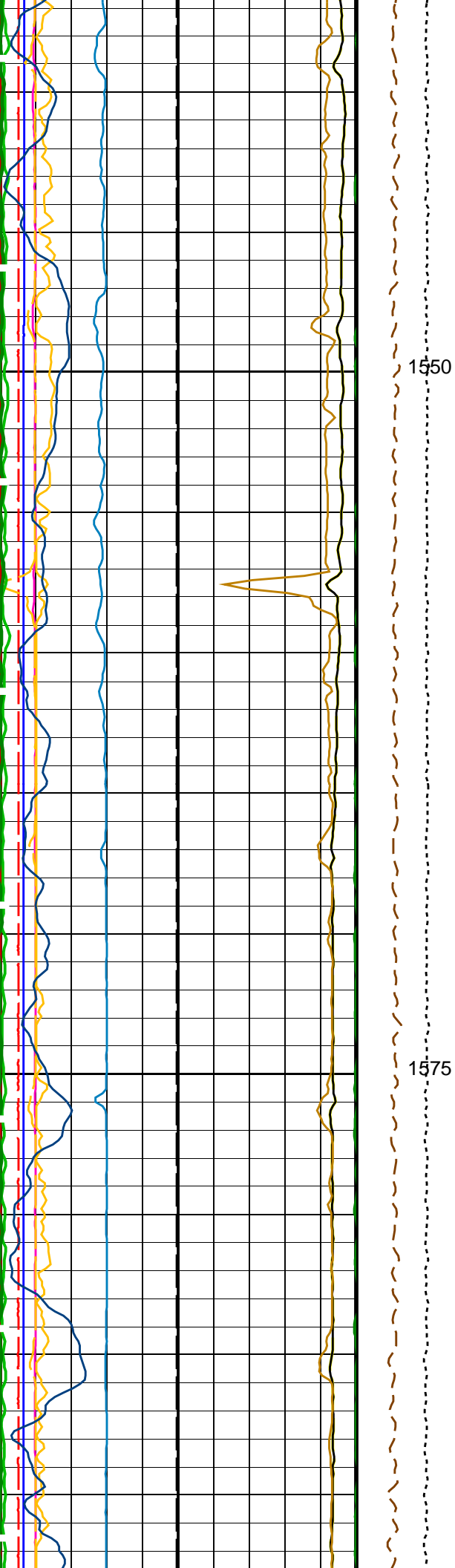
Calibrated Downhole Force (CDF) (LBF)	Min	Amplitude	Max
	40	(US/F)	240
3000	0		

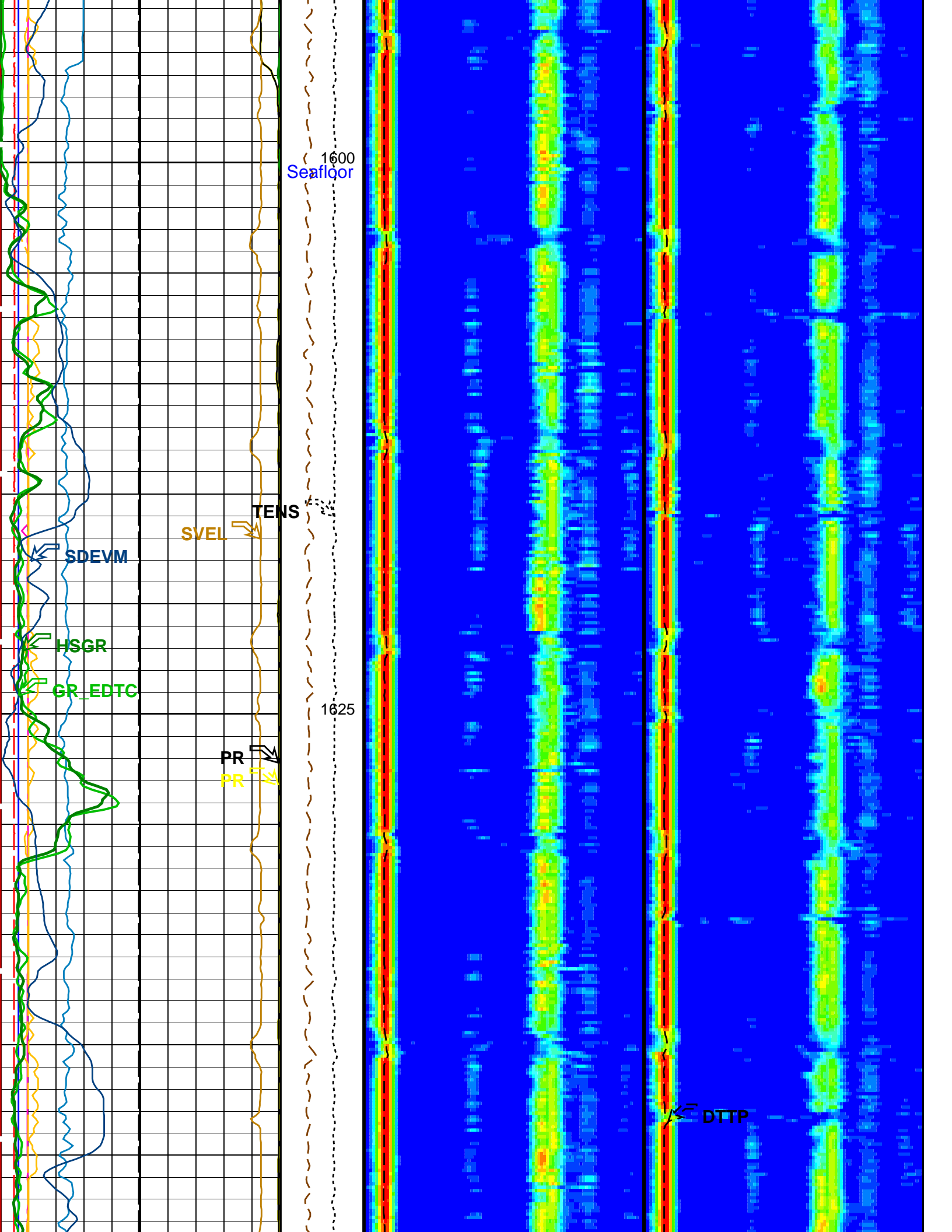
Tr.Array P&S Slow Proj. CVDL (SPT4)	Min	Amplitude	Max
	40	(US/F)	240

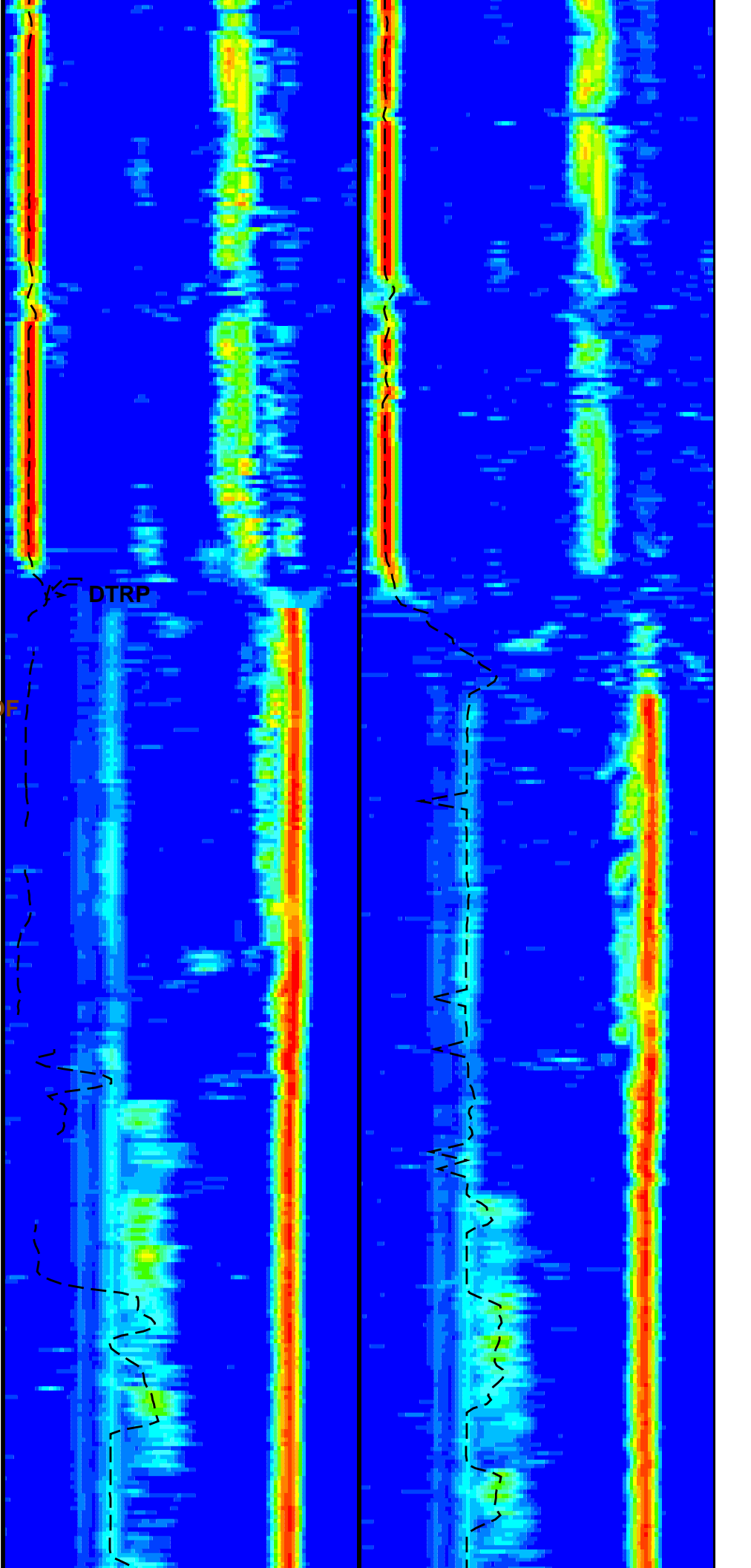
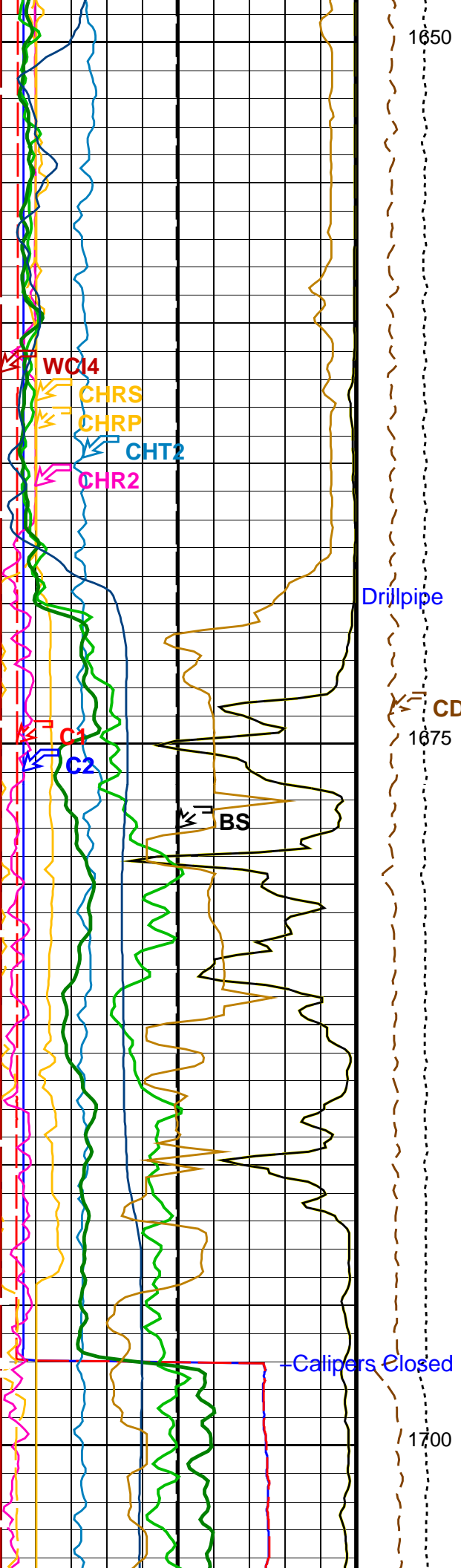
Tension (TENS) (LBF)	Delta-T Comp / RA - P & S (DTRP)
10000	40
0	240

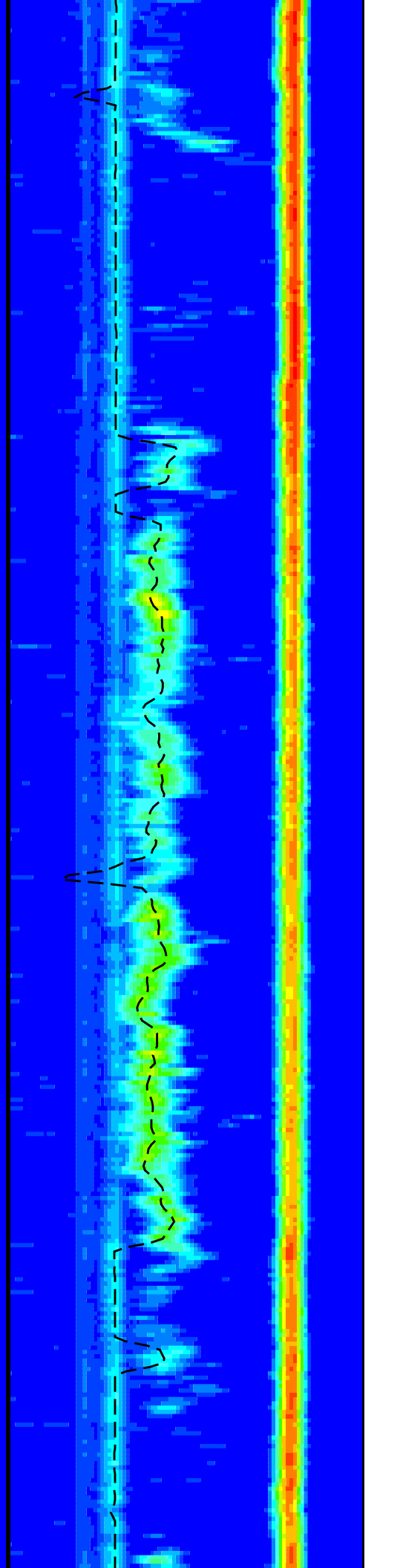
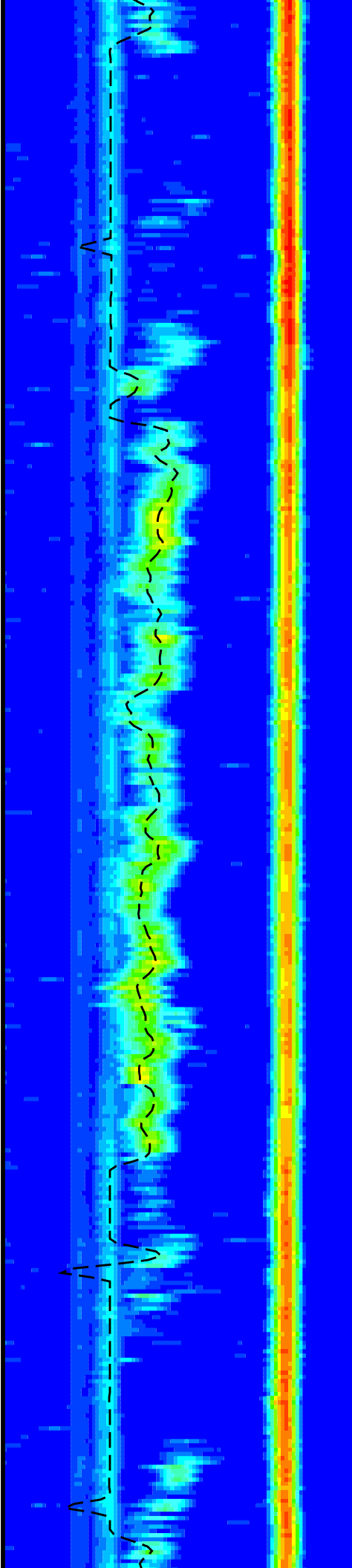
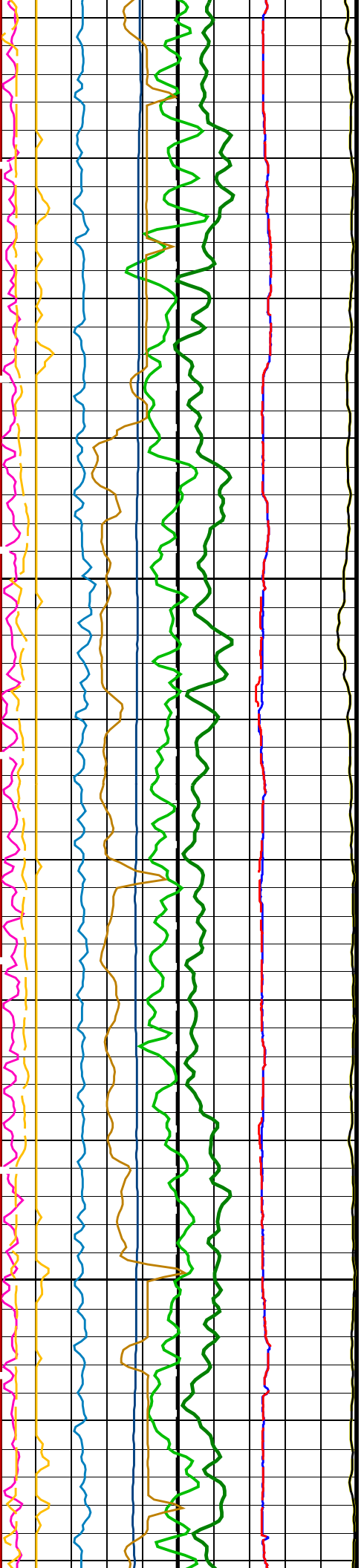
Delta-T Comp / TA - P & S (DTTP)
40
240

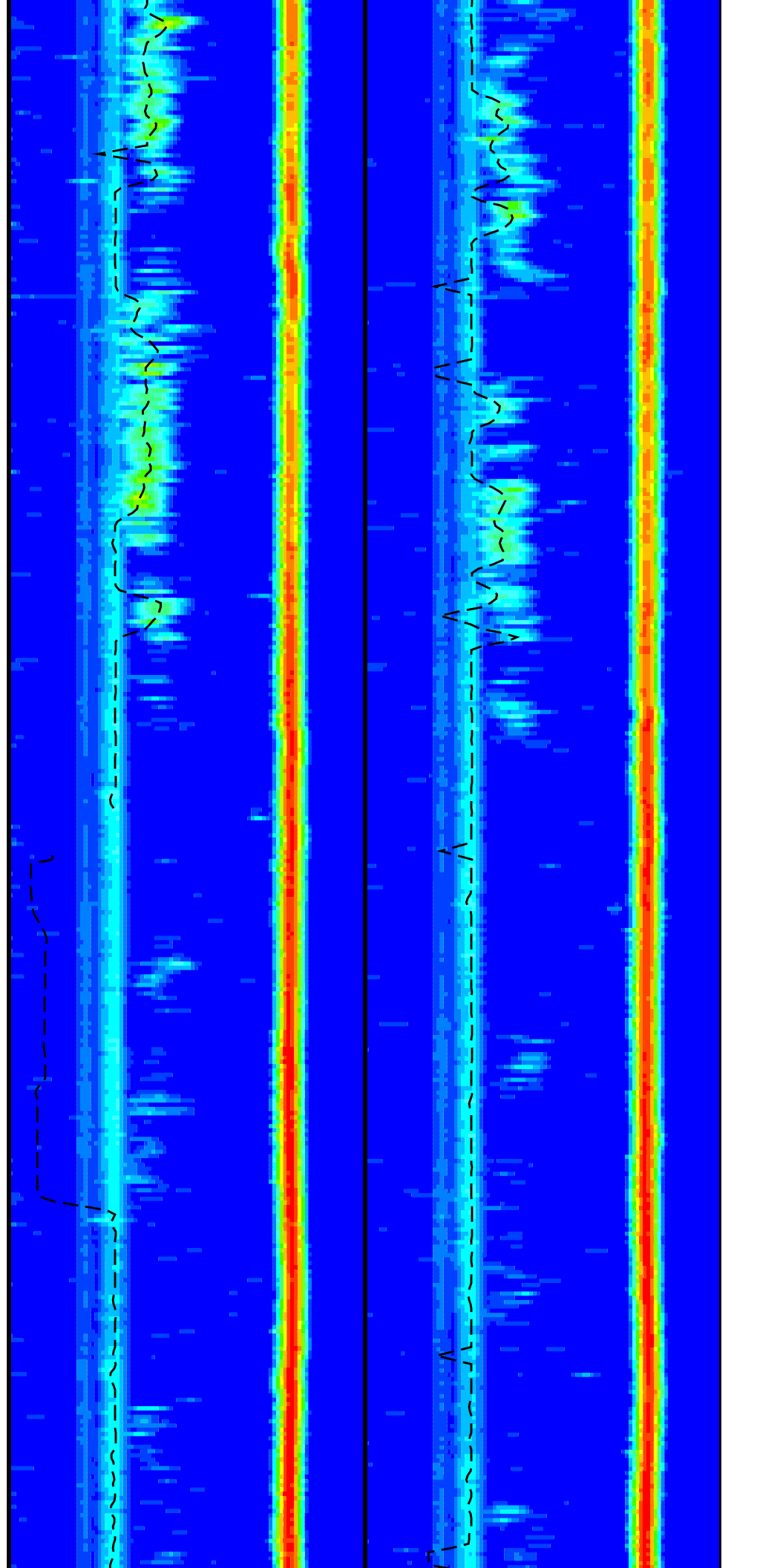
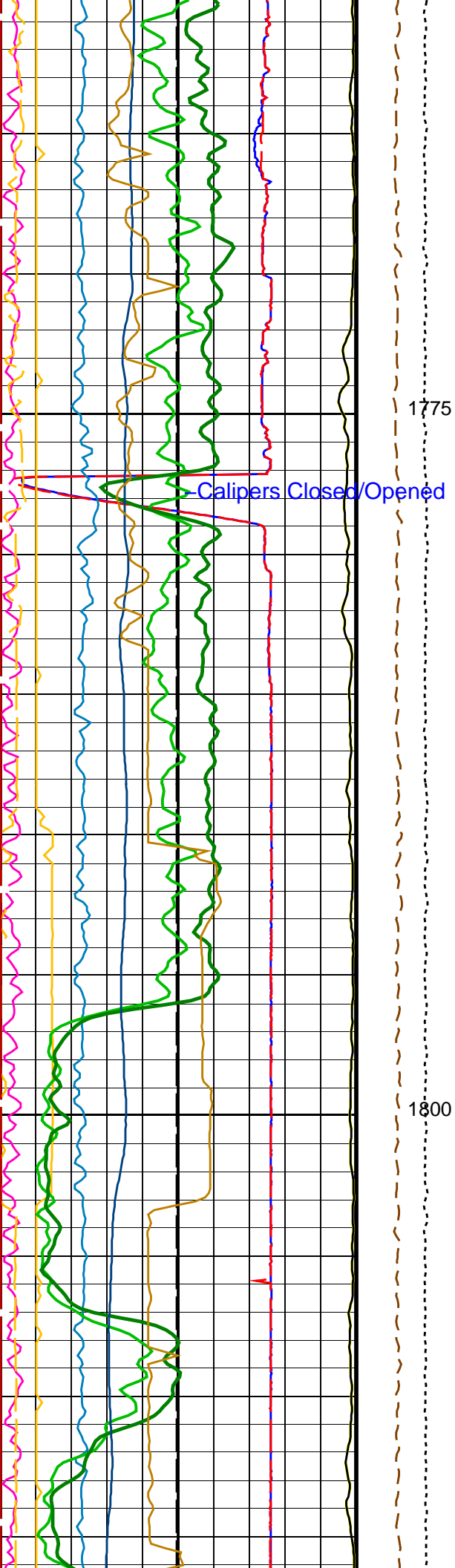


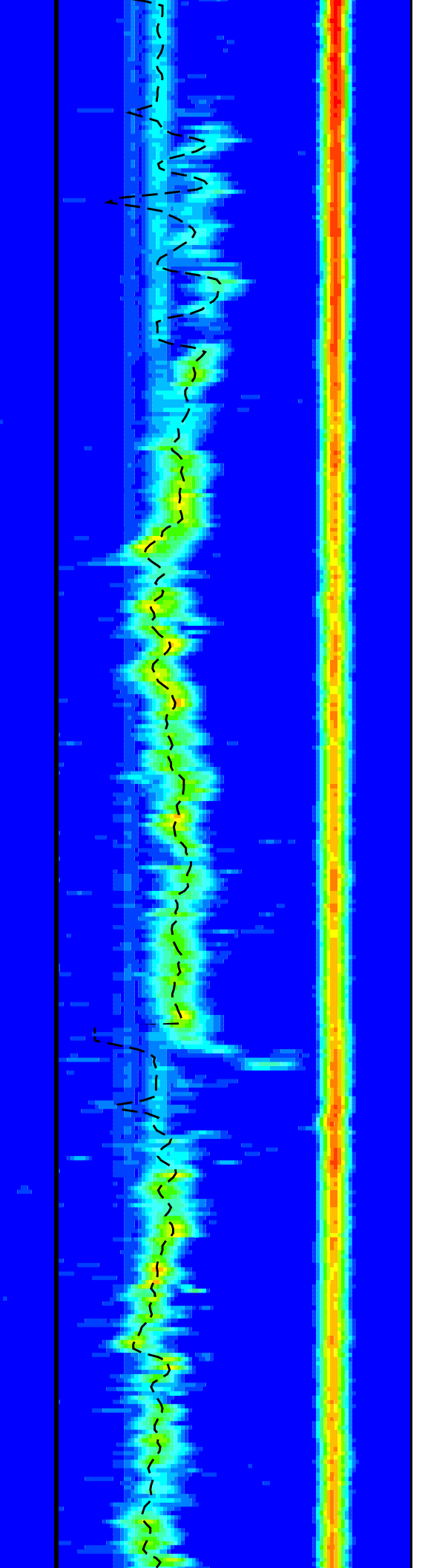
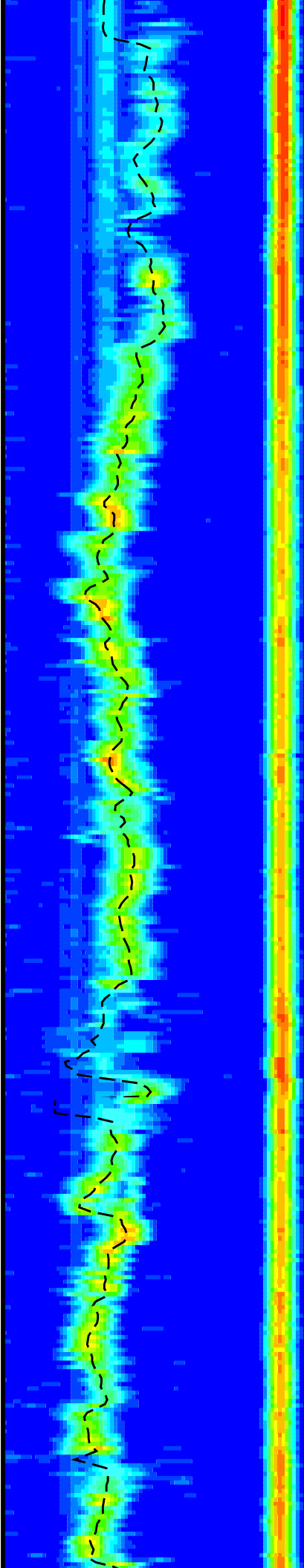
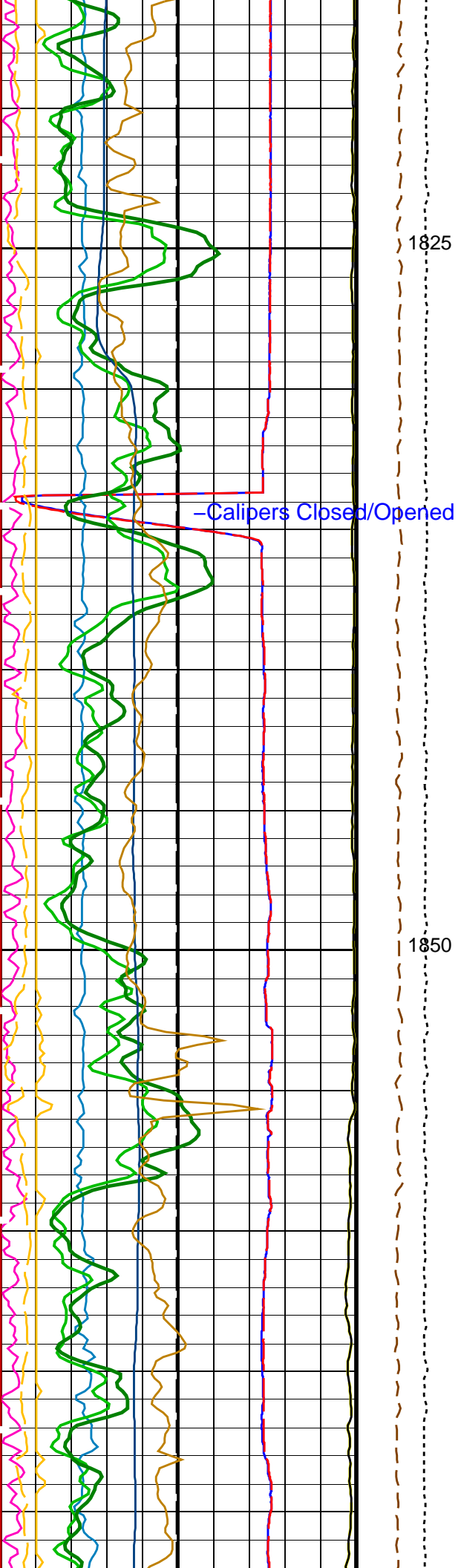


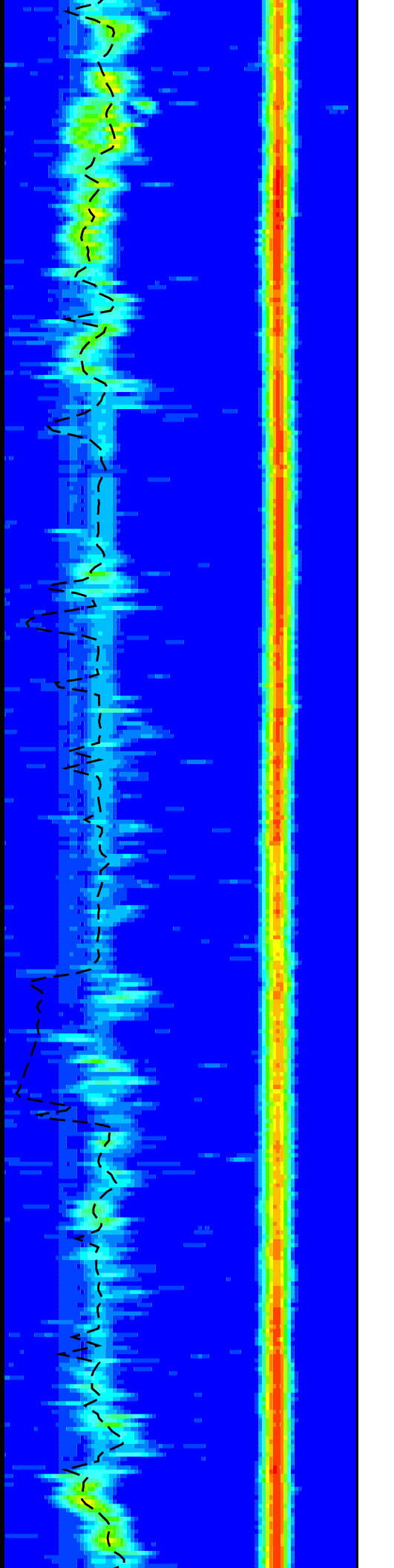
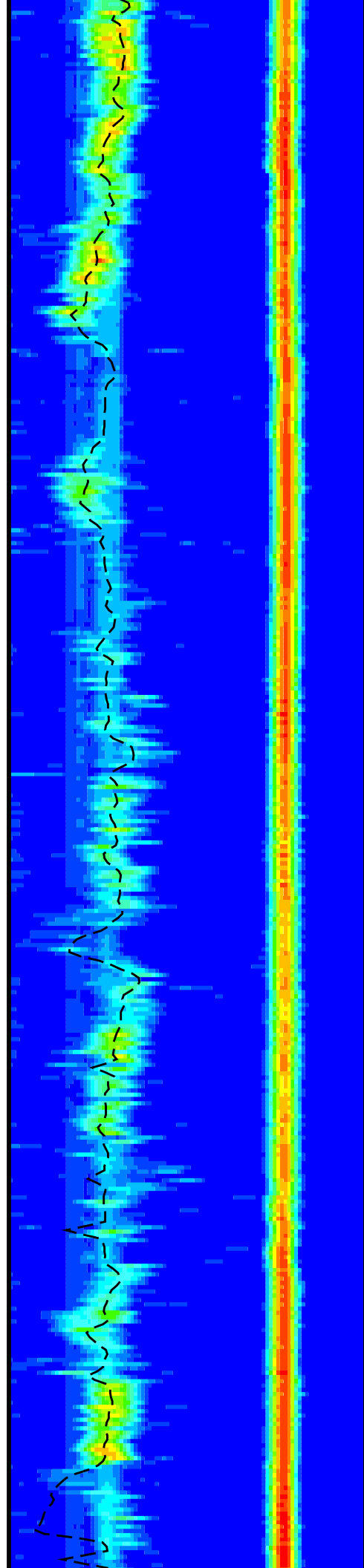
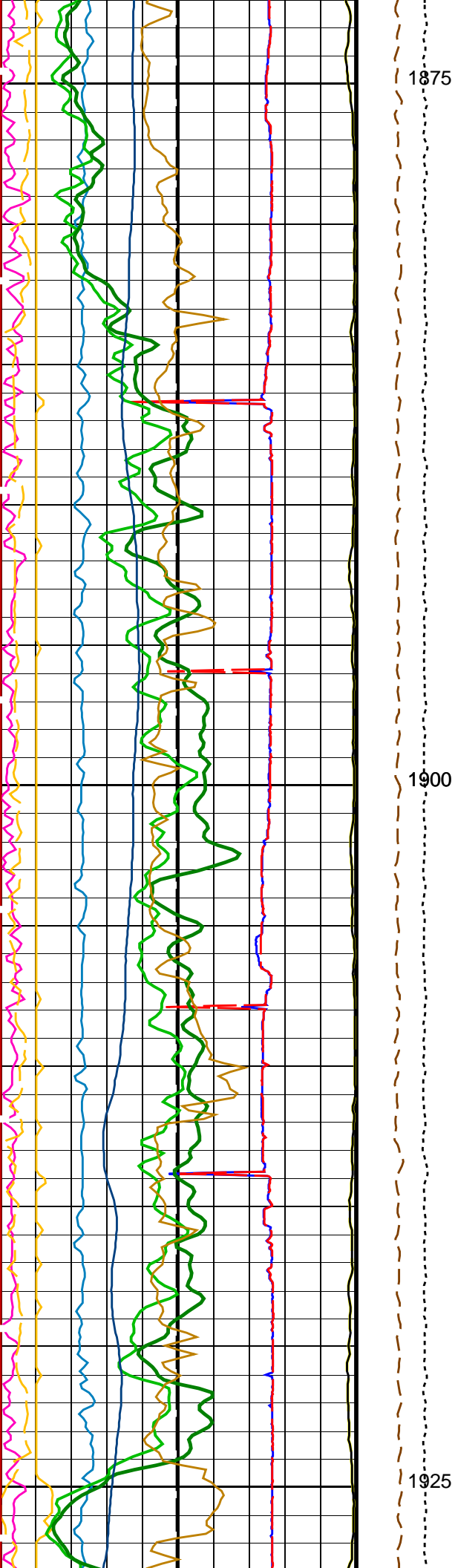


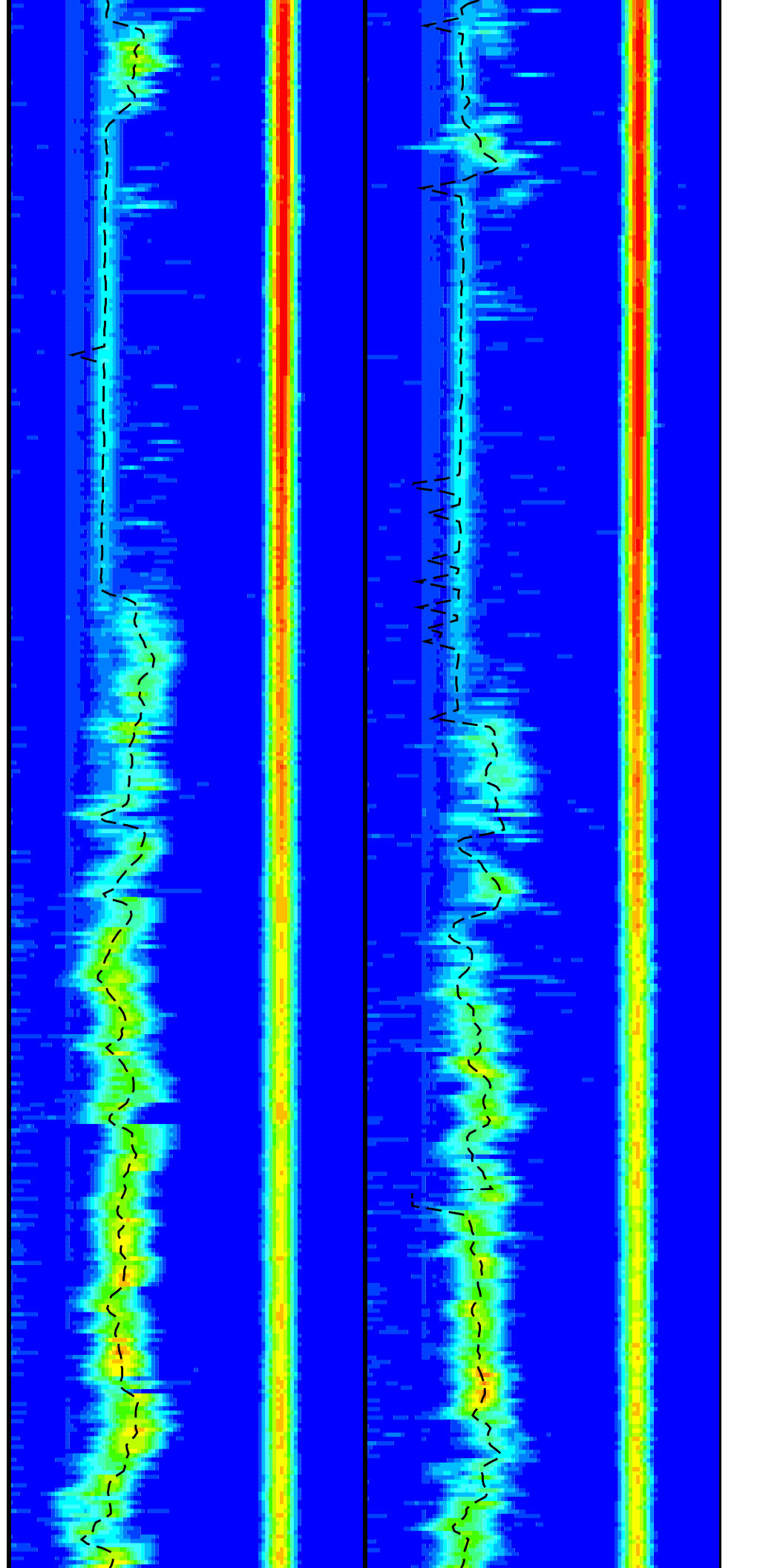
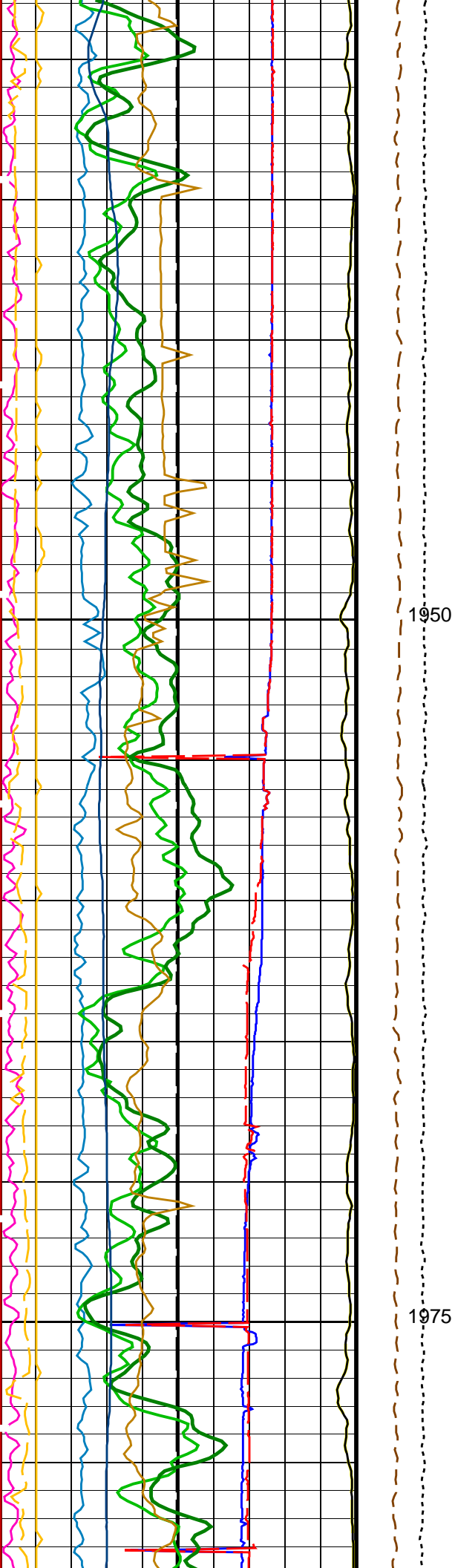


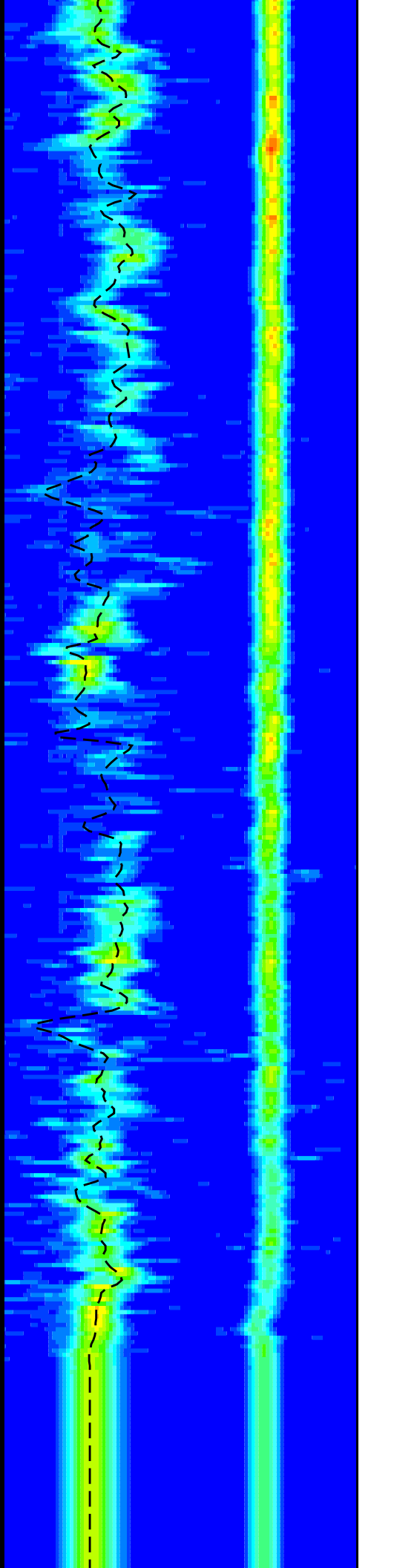
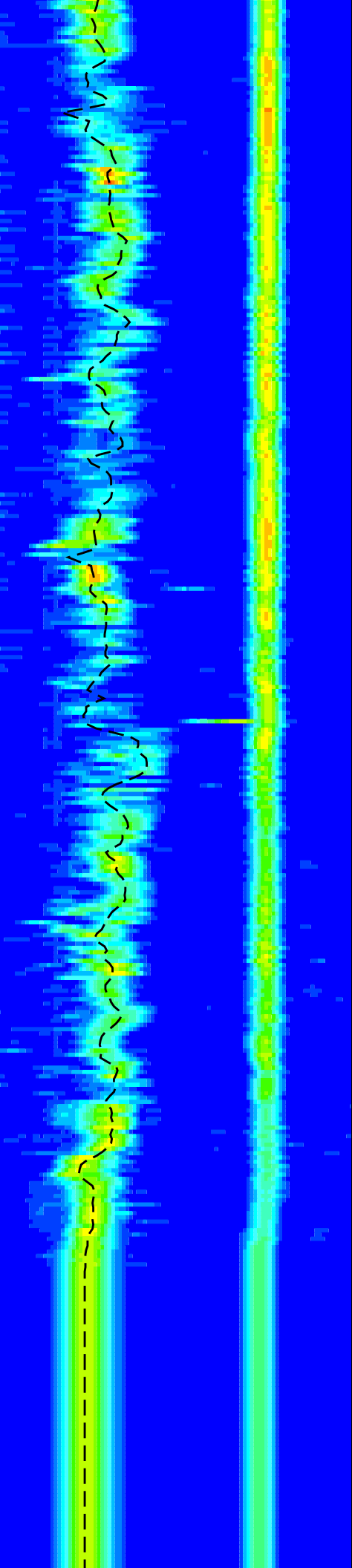
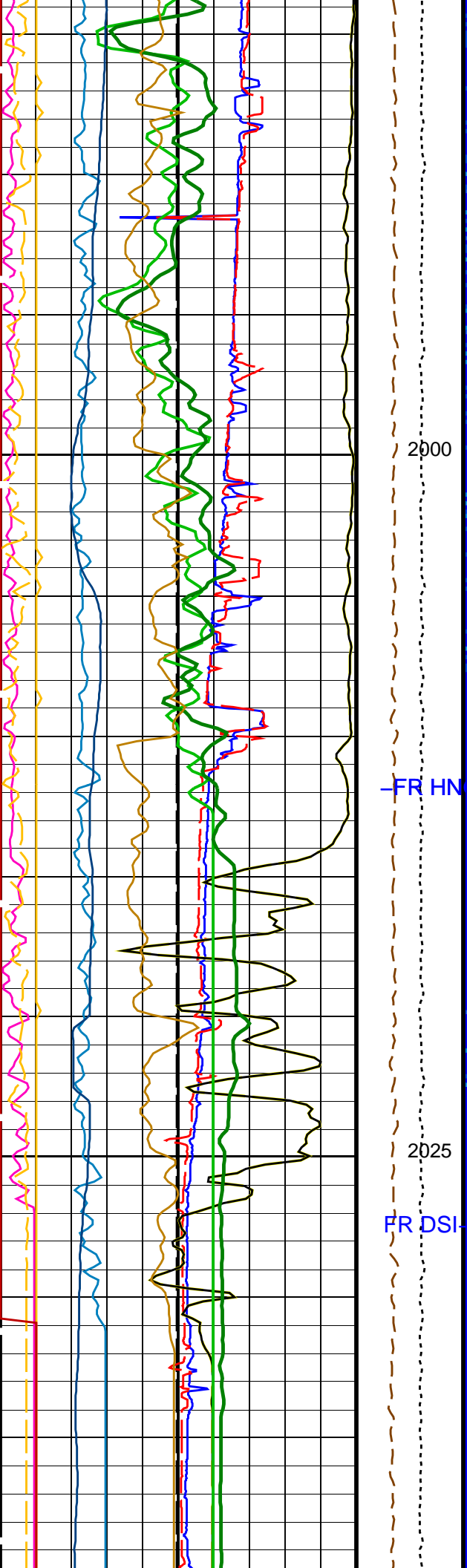


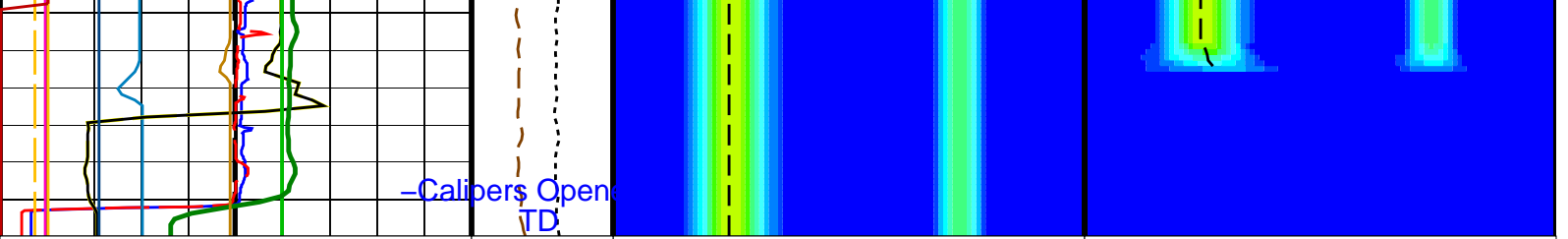












Bit Size (BS) (IN) 0 20	Tension (TENS) (LBF) 10000 0	Delta-T Comp / RA - P & S (DTRP) (US/F) 40 240	Delta-T Comp / TA - P & S (DTTP) (US/F) 40 240
Caliper 2 (C2) (IN) 0 20	Calibrated Downhole Force (CDF) (LBF) 3000 0	Min Amplitude Max Rec.Array P&S Slow Proj. CVDL (SPR4) (US/F) 40 240	Min Amplitude Max Tr.Array P&S Slow Proj. CVDL (SPT4) (US/F) 40 240

Caliper 1 (C1) (IN) 0 20
Poisson's Ratio (PR) (----) 0 0.5
Sonde Deviation (SDEV) (DEG) 0 10
Sonic Velocity (SVEL) (M/S) 1000 6000
Poisson's Ratio (PR) (----) 0 0.5
Gamma Ray (GR_EDTC) (GAPI) 0 100
Peak Coherence / RA - Upper Dipole (CHR2) (----) 0 10
Peak Coherence / TA - Upper Dipole (CHT2) (----) -2 8
Peak Coherence / RA - P & S Comp (CHRP) (----) 0 10
Peak Coherence / RA - P & S Shear (CHRS) (----) -1 9
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4) (----) 0 10
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 100

Uplink #2

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	18.8286	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	40	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	180	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source - Dipole Shear	USE	
DSHL	Label Slowness Lower Limit - Dipole Shear	40	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1400	US/F
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	189	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	
GCSE	Generalized Caliper Selection	C1	
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	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	
SAS2	STC Sonic Array Status - Upper Dipole	255	
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	75	US/F
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	180	US/F
SLL4	STC Slowness Lower Limit - Monopole P&S	40	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	180	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST4	STC Time Step - Monopole P&S	50	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD4	STC Time Width - Monopole P&S	1000	US
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
WFM4	Waveform Mode 4	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	-0.00376997	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1R1	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS

S2BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	CENT	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.02259	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.03819	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	C1	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: Sam4_RA_TA_P&S Vertical Scale: 1:200 Graphics File Created: 21-Jun-2018 17:29

OP System Version: 19C0-187

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

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP	FN:68	21-Jun-2018 13:28	2046.0 M	1495.2 M
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Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_056PUP	FN:73	PRODUCER	21-Jun-2018 17:29
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Company: International Ocean Discovery Program Well: Expedition 376, Site U1530A

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP	FN:68	21-Jun-2018 13:28	2046.0 M	1495.2 M
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Output DLIS Files

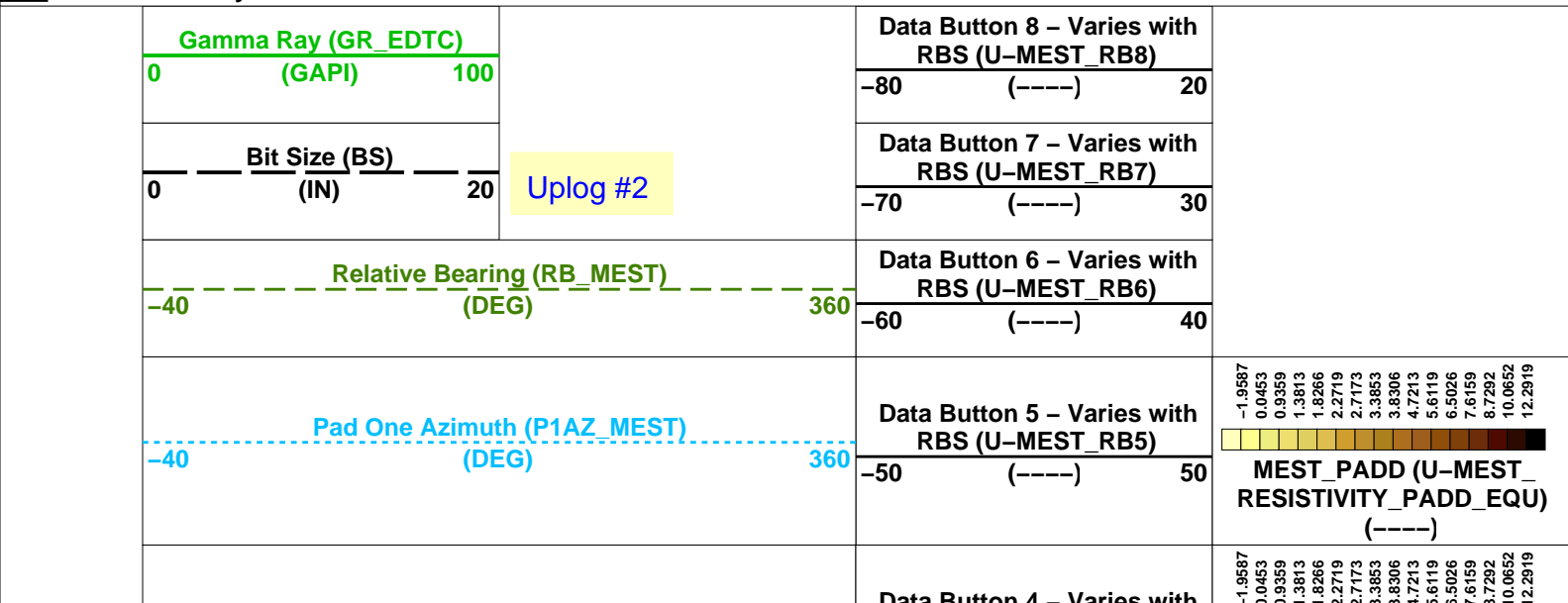
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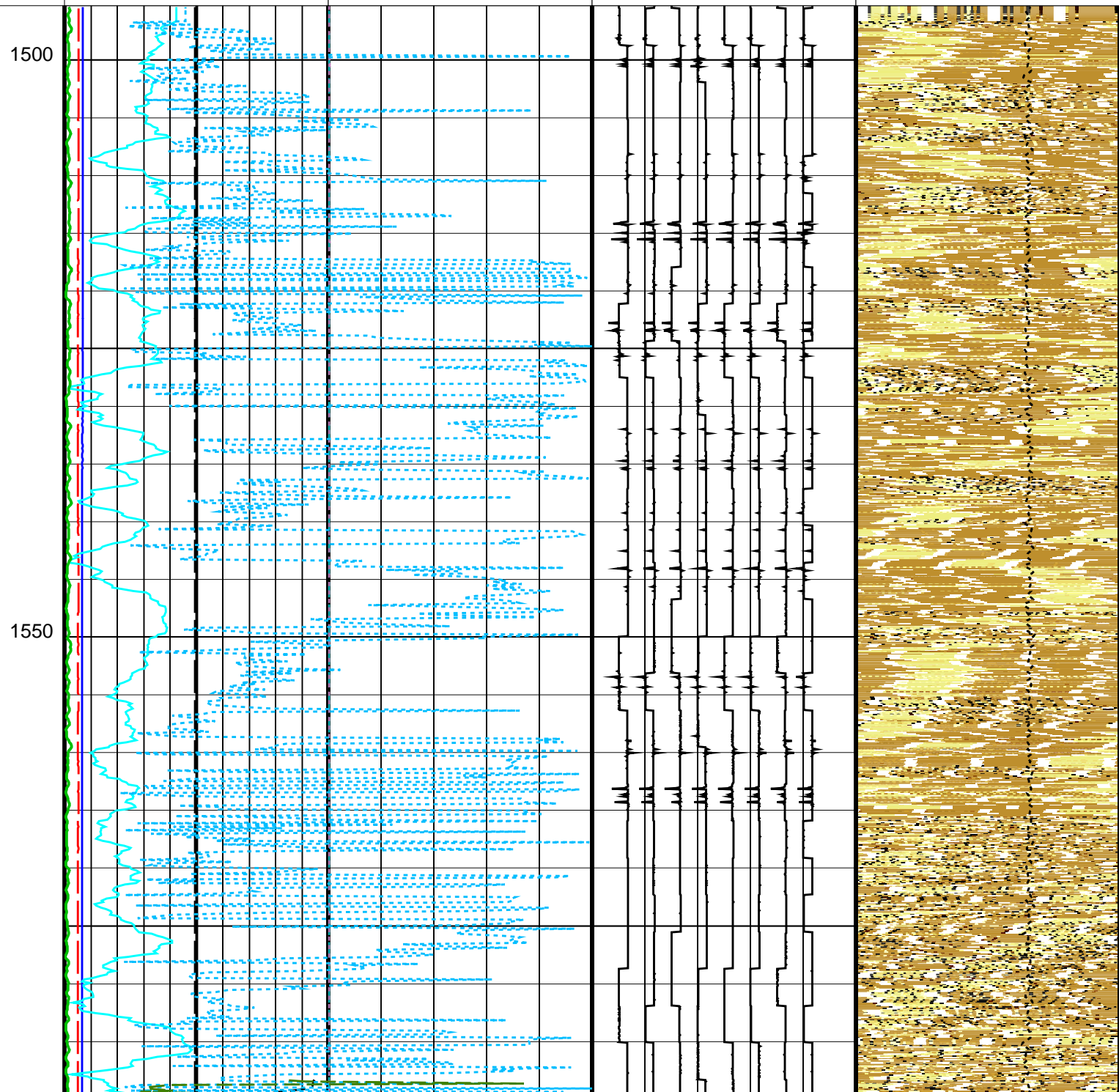
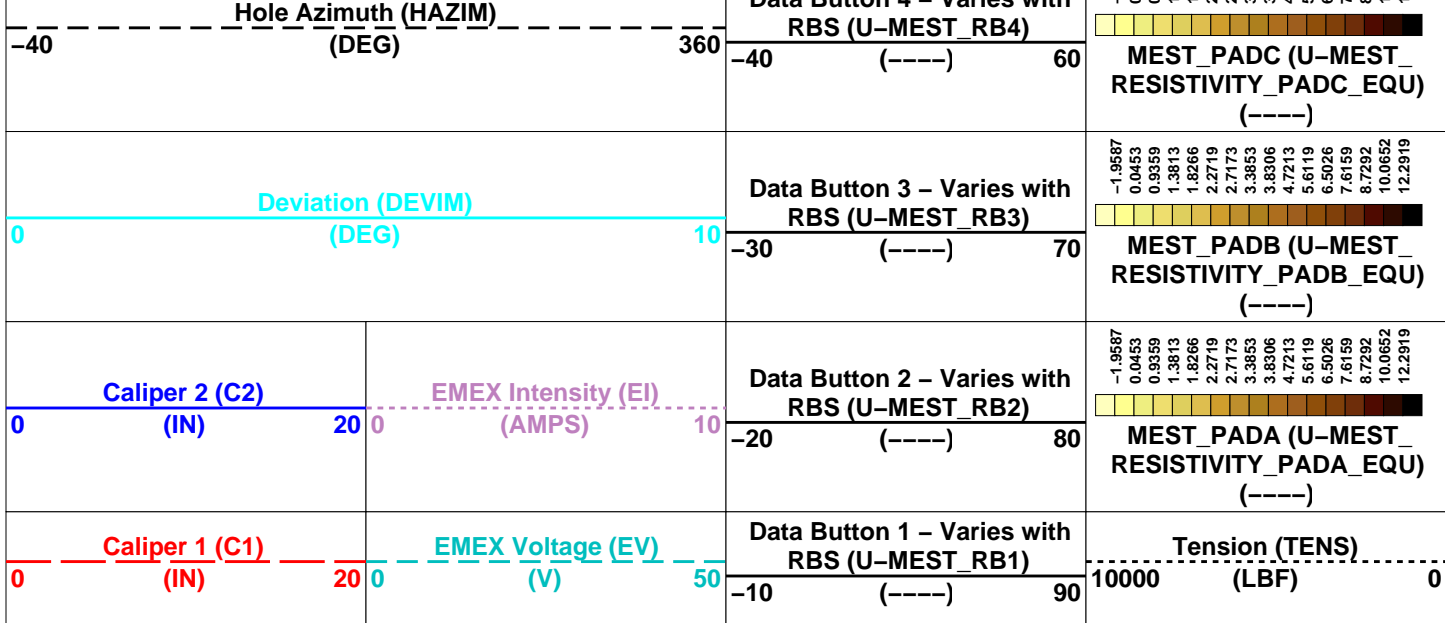
OP System Version: 19C0-187

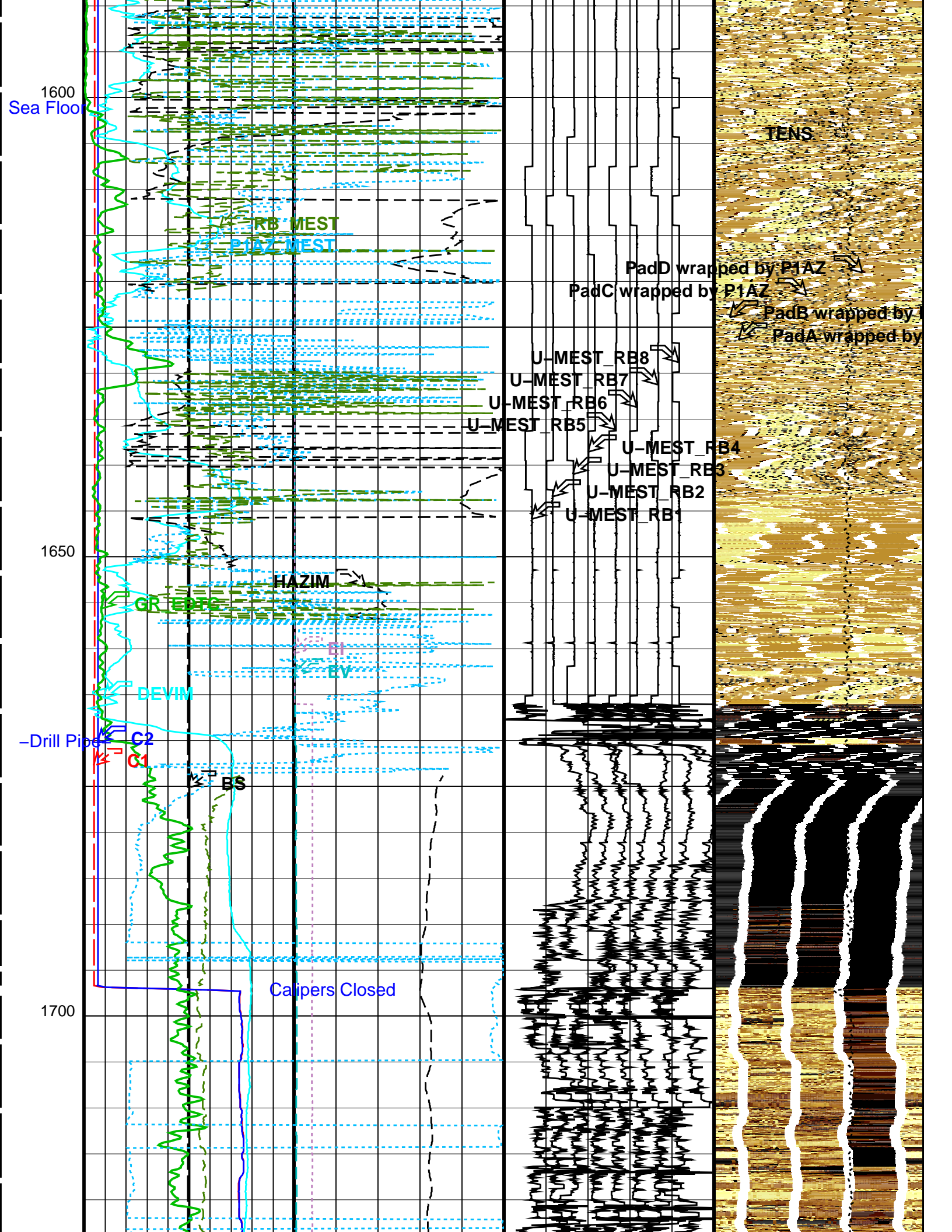
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DTA-A-8453	19C0-187	DSST-B	19C0-187
HNCC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S



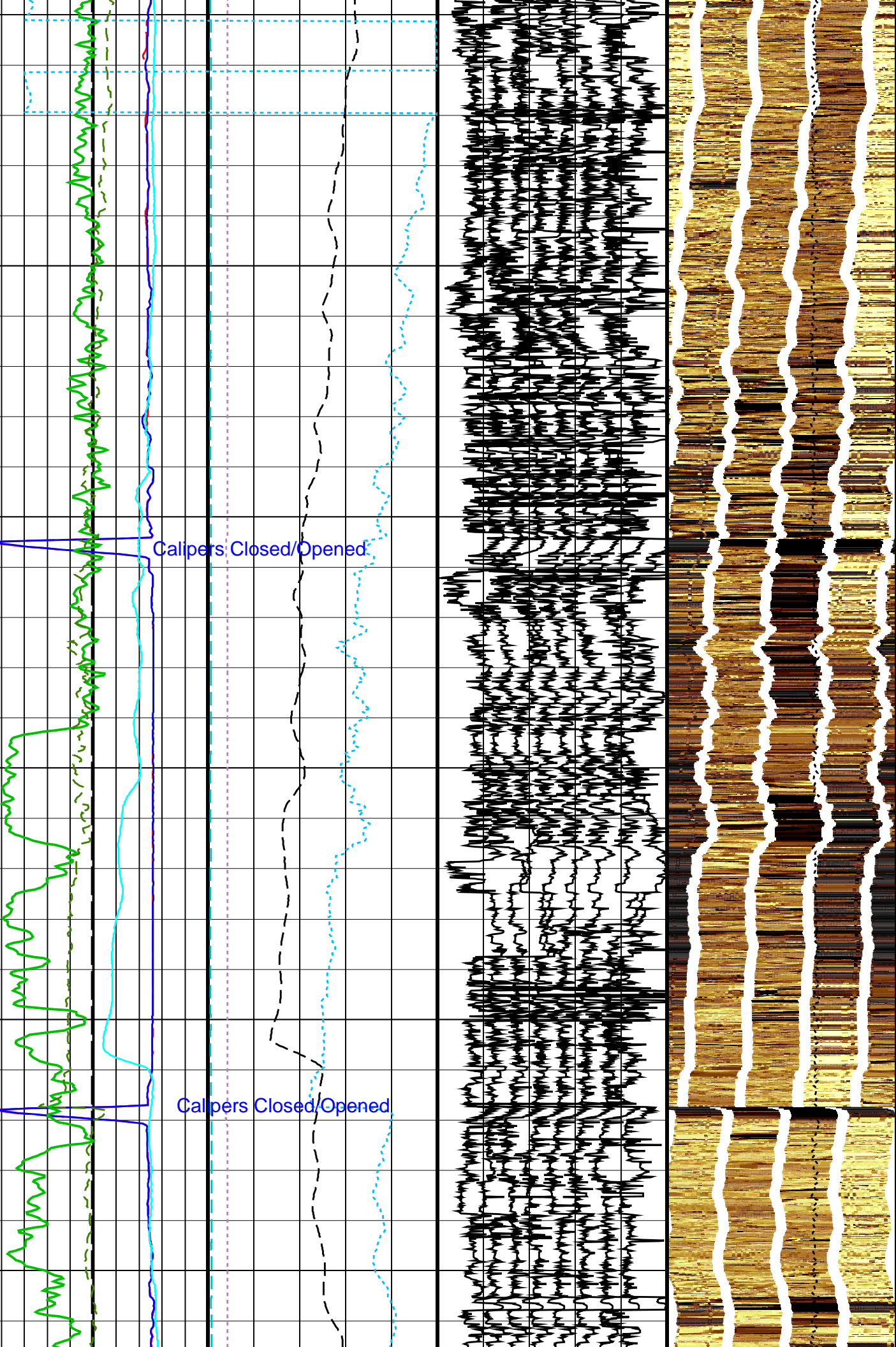




1750

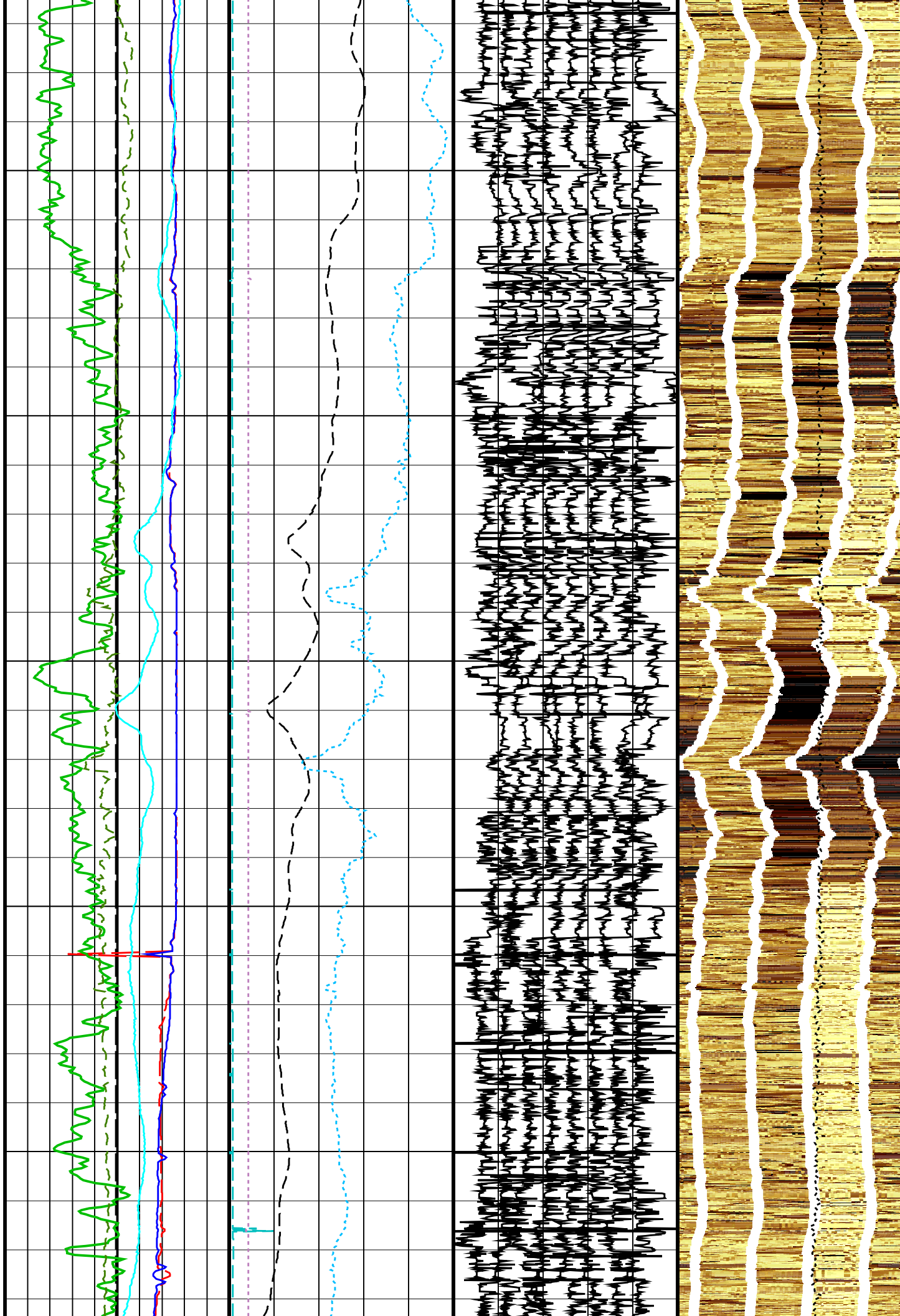
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1850



1900

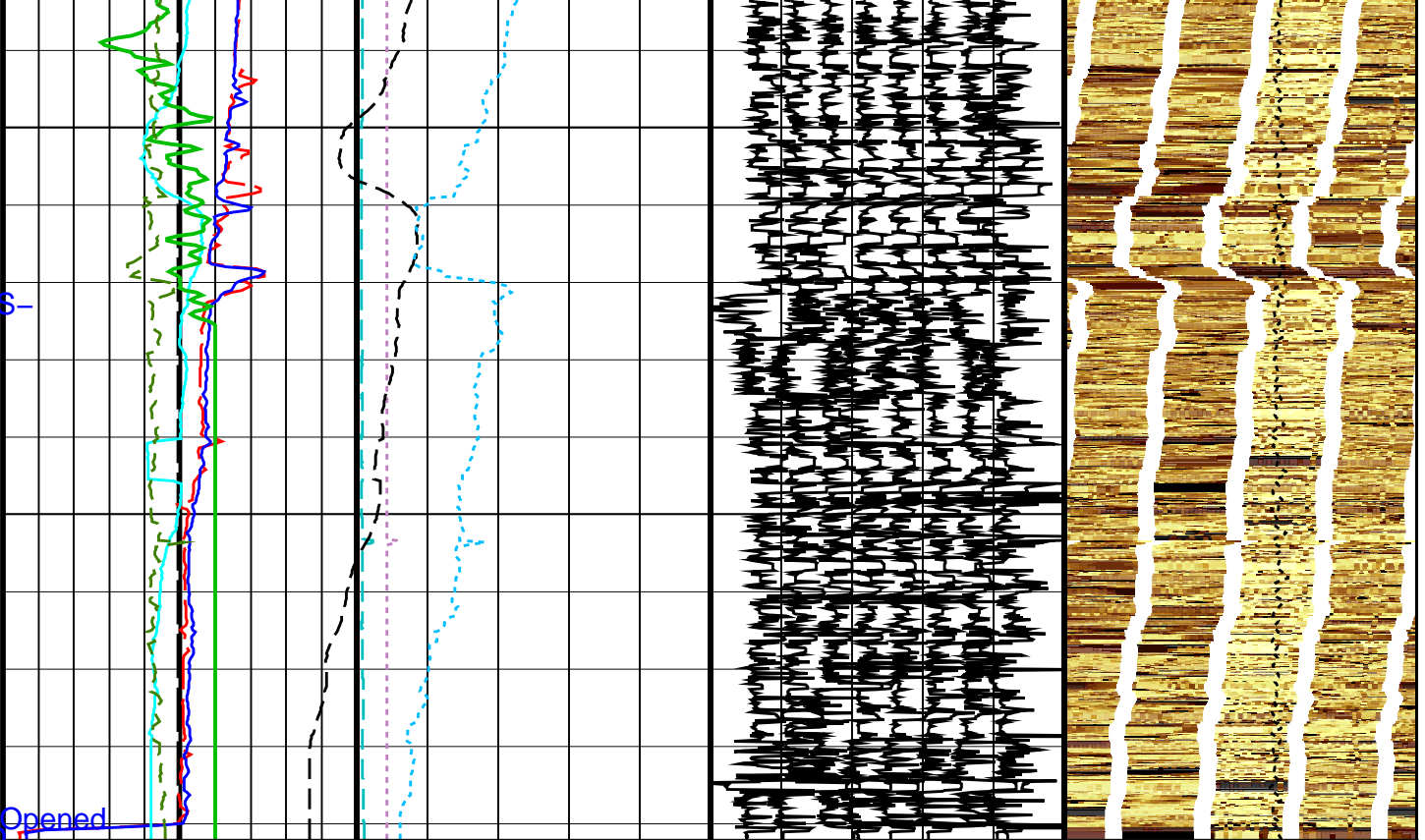
1950



2000

FR HNGS-

Calipers Opened



Caliper 1 (C1)
(IN)

EMEX Voltage (EV)
(V)

Data Button 1 - Varies with
RBS (U-MEST_RB1)

Tension (TENS)
(LBF)

Caliper 2 (C2)
(IN)

EMEX Intensity (EI)
(AMPS)

Data Button 2 - Varies with
RBS (U-MEST_RB2)

MEST_PADA (U-MEST_RESISTIVITY_PADA_EQU)
(----

Deviation (DEVIM)
(DEG)

Data Button 3 - Varies with
RBS (U-MEST_RB3)

MEST_PADB (U-MEST_RESISTIVITY_PADB_EQU)
(----

Hole Azimuth (HAZIM)
(DEG)

Data Button 4 - Varies with
RBS (U-MEST_RB4)

MEST_PADC (U-MEST_RESISTIVITY_PADC_EQU)
(----

Pad One Azimuth (P1AZ_MEST)
(DEG)

Data Button 5 - Varies with
RBS (U-MEST_RB5)

MEST_PADD (U-MEST_RESISTIVITY_PADD_EQU)
(----

Relative Bearing (RB_MEST)
(DEG)

Data Button 6 - Varies with
RBS (U-MEST_RB6)

Bit Size (BS)
(IN)

Data Button 7 - Varies with
RBS (U-MEST_RB7)

Gamma Ray (GR_EDTC)
(GAPI)

Data Button 8 - Varies with
RBS (U-MEST_RB8)

Uplog #2

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	18.8286 DEG
MLM	MEST Logging Mode	SCAN1800
RBS	Resistivity Button Selection	AUTO
XGAI	Gain	GAIN_2
XOFF	Offset	OFFSET_0
System and Miscellaneous		
BS	Bit Size	9.875 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	RECOMPUTE

Format: MEST_C_WRAP_BY_P1AZ_1 Vertical Scale: 1:480 Graphics File Created: 21-Jun-2018 17:29

OP System Version: 19C0-187

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

Input DLIS Files

LDL_FMS_DSI_NGS_051PUP	FN:68	21-Jun-2018 13:28	2046.0 M	1495.2 M
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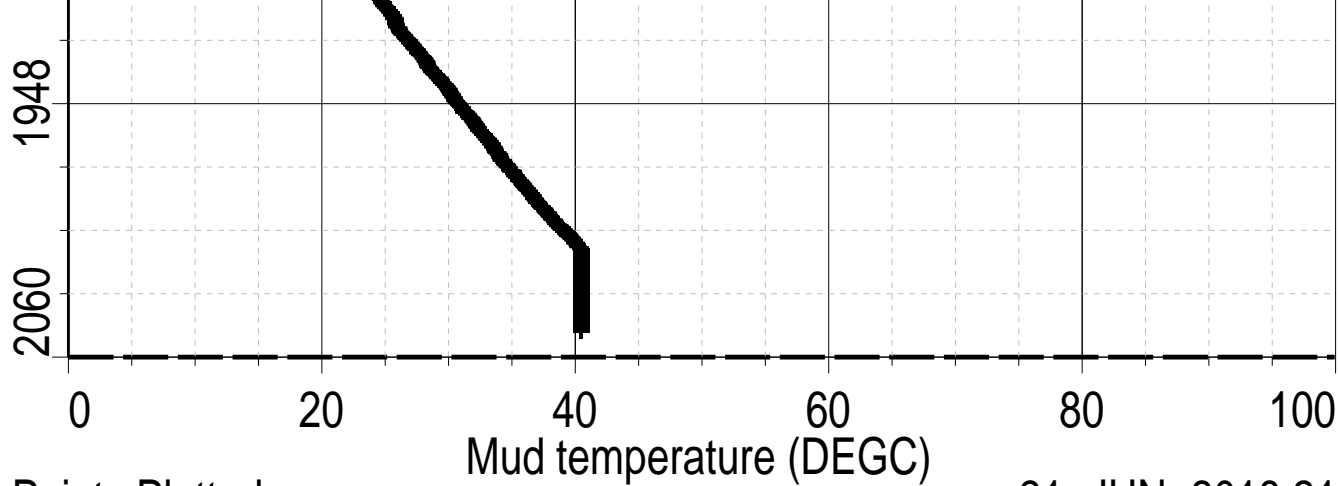
Output DLIS Files

DEFAULT	LDL_FMS_DSI_NGS_056PUP	FN:73	PRODUCER	21-Jun-2018 17:29
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Index: 2048.4 - 1456.2 M

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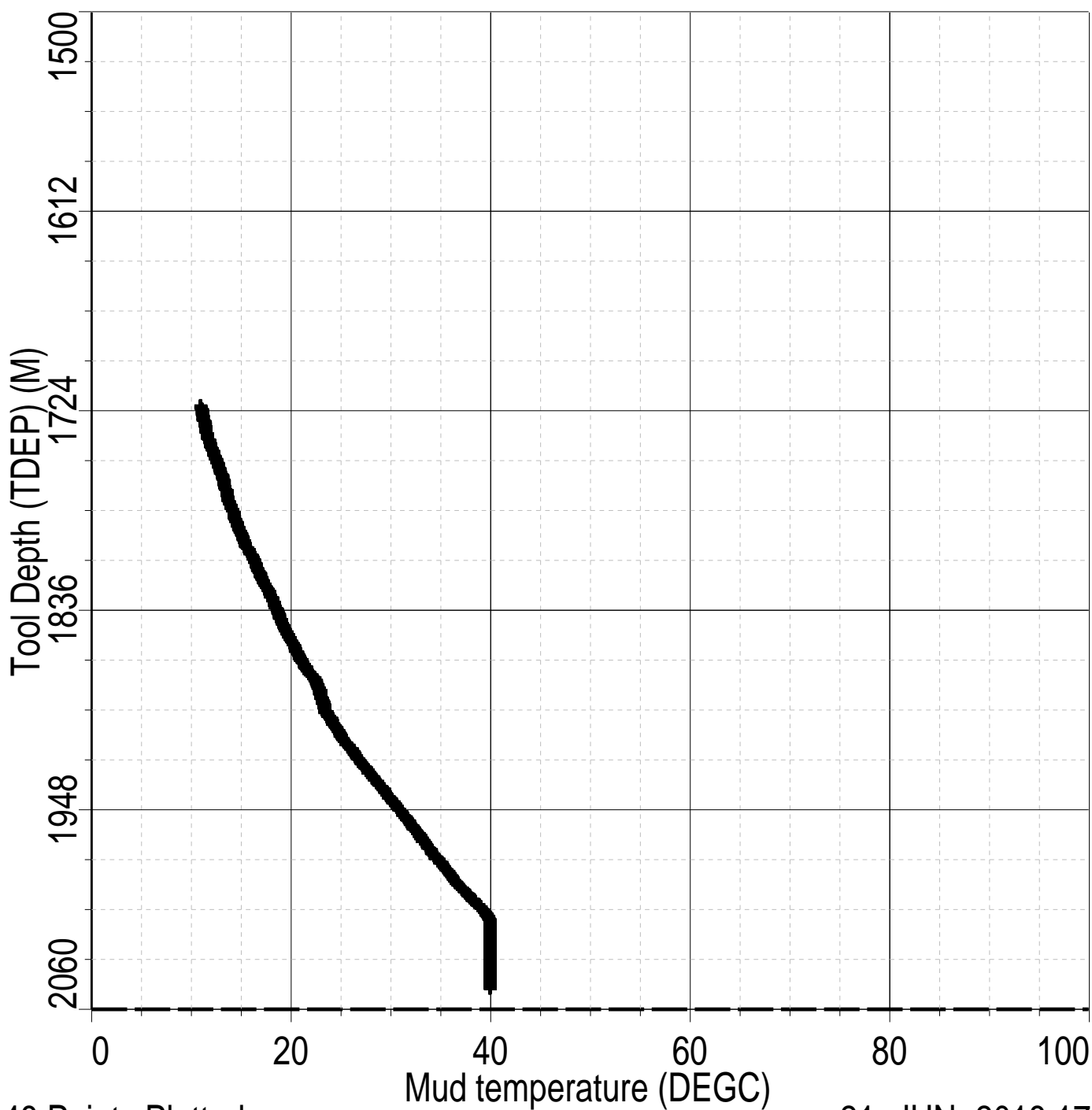


3887 Points Plotted

21-JUN-2018 21:22

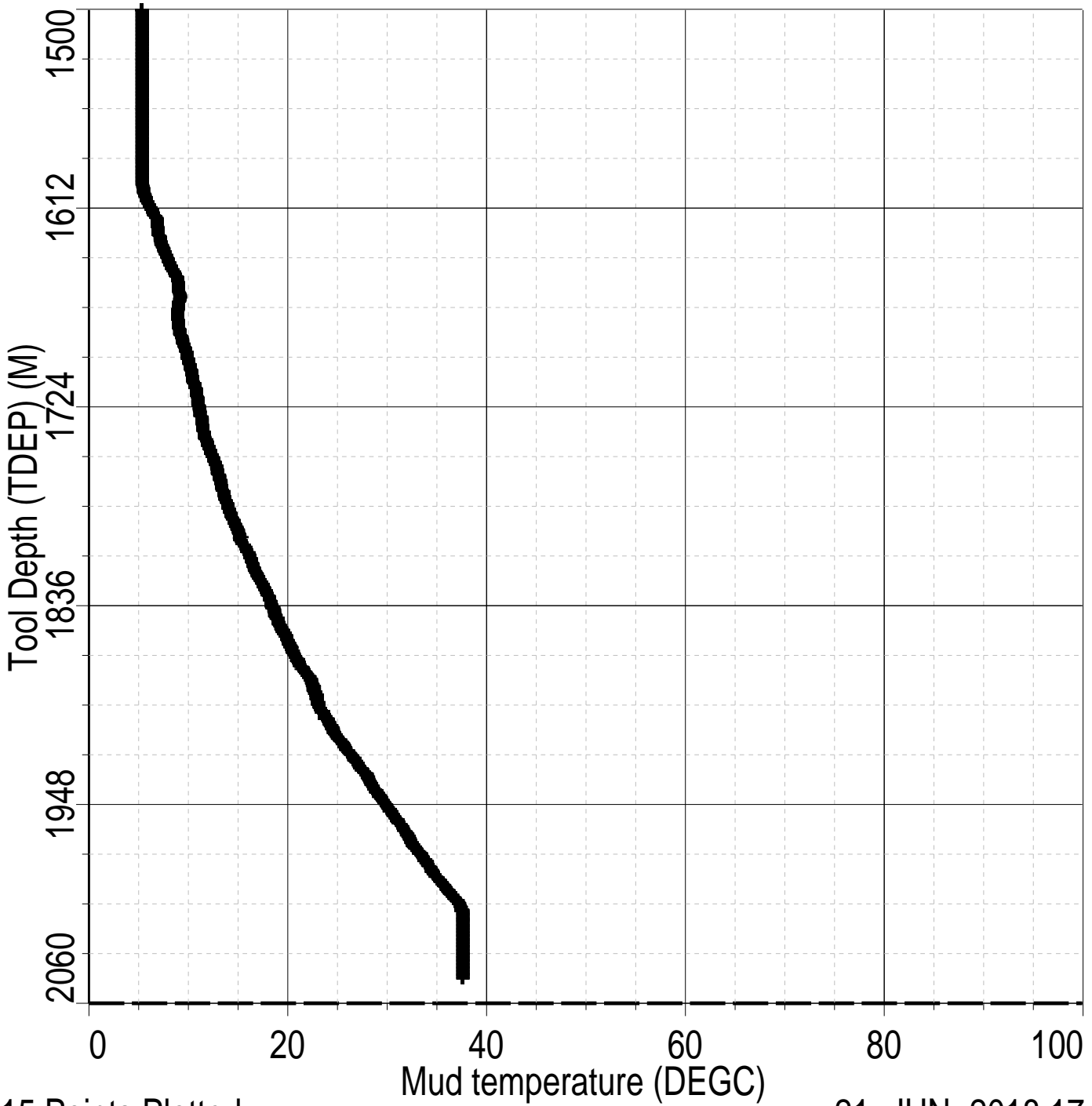
Index: 2048.3 – 1721.1 M

Uplog #1



2148 Points Plotted

21-JUN-2018 17:27



3615 Points Plotted

21-JUN-2018 17:31

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Micro Electrical Scanner – B (Slim) Wellsite Calibration – Caliper Calibration							
Before: 2-Jun-2018 13:23							
Caliper 1 Zero Measurement	12.00	N/A	12.80	N/A	N/A	N/A	IN
Caliper 2 Zero Measurement	12.00	N/A	12.56	N/A	N/A	N/A	IN
Caliper 1 Plus Measurement	15.20	N/A	15.71	N/A	N/A	N/A	IN
Caliper 2 Plus Measurement	15.20	N/A	15.57	N/A	N/A	N/A	IN
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 20-Jun-2018 1:23							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	92	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	10	N/A	N/A	N/A	

SERIAL NUMBER :	N/A	N/A	448	N/A	N/A	N/A	N/A
Micro Electrical Scanner – B (Slim) Wellsite Calibration – CROUZET MAGNETOMETER							
PROM HAS BEEN READ CORRECTLY							
Before: 20-Jun-2018 1:23							
TEMPERATURE REFERENCE :	N/A	N/A	19	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	99	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	12	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	428	N/A	N/A	N/A	
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: 16-Jun-2018 3:35 Before: 16-Jun-2018 3:44							
Na 511 Peak Loc	40.00	39.71	39.58	N/A	N/A	1.000	
Na 511 Peak Res	15.50	14.71	16.29	N/A	N/A	2.000	%
High Voltage	1150	1177	1176	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	142.5	142.1	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	7.989	8.568	N/A	N/A	2.000	%
Temperature	15.50	21.47	21.42	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	22.99	22.87	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: 16-Jun-2018 3:35 Before: 16-Jun-2018 3:44							
Na 511 Peak Loc	40.00	39.62	39.50	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.34	15.67	N/A	N/A	2.000	%
High Voltage	1150	1096	1096	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	142.2	141.1	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.174	8.852	N/A	N/A	2.000	%
Temperature	15.50	22.01	22.09	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	22.76	22.74	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: 16-Jun-2018 3:35 Before: 16-Jun-2018 3:44							
Coincidence Count Rate Ratio	1.000	1.012	1.007	N/A	N/A	0.05000	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 1 Calibration							
Master: 16-Jun-2018 3:30							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	210.6	--	--	--	--	
Th Peak Res	7.000	6.860	--	--	--	--	%
Background Count Rate	142.5	25.30	--	--	--	--	CPS
Gain Ratio	1.000	1.009	--	--	--	--	
Hostile Natural Gamma Ray Sonde Master Calibration – Detector 2 Calibration							
Master: 16-Jun-2018 3:30							
Na 511 Peak Set Point	40.00	41.00	--	--	--	--	
Th Peak Loc	209.6	208.0	--	--	--	--	
Th Peak Res	7.000	7.211	--	--	--	--	%
Background Count Rate	142.5	23.21	--	--	--	--	CPS
Gain Ratio	1.000	0.9988	--	--	--	--	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 20-Jun-2018 1:23							
EDTC Z-Axis Acceleration	9.810	N/A	9.768	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 16-Jun-2018 3:59							
Gamma Ray (Jig – Bkg)	128.5	N/A	128.5	N/A	N/A	11.68	GAPI
Gamma Ray (Calibrated)	164.0	N/A	164.0	N/A	N/A	15.00	GAPI

Micro Electrical Scanner – B (Slim) / Equipment Identification

Primary Equipment:

MEST Sonde – B	MEDS – B	724
MEST Preamplifier Cartridge – AB	MEPC – AB	806
GPIT Cartridge – AC	GPIC – AC	840
MEST Acquisition Cartridge – A	MEAC – A	804

Auxiliary Equipment:

MEST-B Preamplifier Cartridge Housing	MEPH – A	701
MEST Acquisition Cartridge Housing (Slim)	MEAH – B	769

Hostile Nuclear Combined Cartridge – B / Equipment Identification

Primary Equipment:

LDSC Cartridge	LDSC – B	521
HNGC Cartridge	HNGC – B	304

Auxiliary Equipment:
UDFH Housing

UDFH - KLX

1055

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:
HNGS Sonde

HNGS - BA

194

Auxiliary Equipment:
HNGS Sonde Housing
Gamma Source Radioactive

HNSH - BA
GSR - U

204
616008

Hostile Natural Gamma Ray Sonde Wellsite Calibration

Detector 1 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.71	Master		14.71	Master		1177
Before		39.58	Before		16.29	Before		1176
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.5	Master		7.989	Master		21.47
Before		142.1	Before		8.568	Before		21.42
	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		22.99						
Before		22.87						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 16-Jun-2018 3:35			Before: 16-Jun-2018 3:44					

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		39.62	Master		16.34	Master		1096
Before		39.50	Before		15.67	Before		1096
	37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.2	Master		8.174	Master		22.01
Before		141.1	Before		8.852	Before		22.09
	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		22.76						
Before		22.74						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: 16-Jun-2018 3:35			Before: 16-Jun-2018 3:44					

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		1.012
Before		1.007
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: 16-Jun-2018 3:35		
Before: 16-Jun-2018 3:44		

Ocean:

Pacific

Hostile Natural Gamma Spectroscopy –HNGS
Formation Micro Scanner – FMS
Dipole Sonic –DSI, Mud Temperature