

# Schlumberger

**Company: International Ocean Discovery Program**

Well: **Expedition 400, Site U1604B**

Field: **NW Greenland Glaciated Margin**Rig: **JOIDES Resolution** Country: **Greenland**

Rig: JOIDES Resolution Field: NW Greenland Glaciated Margin Location: Latitude: N 73° 06.9077' Well: Expedition 400, Site U1604B Company: International Ocean Discovery Program	HNGS, HLDS, HRLA, DSI, MSS Gamma, Density, Resistivity, Sonic, Mag			
	LOCATION	Latitude: N 73° 06.9077' Longitude: W 63° 47.3996'		Elev.: K.B. 0.00 m G.L. -1954.90 m D.F. 0.00 m
		Permanent Datum: Sea Floor		Elev.: -1954.90 m
		Log Measured From: Rig Floor		1954.90 m above Perm. Datum
		Drilling Measured From: Rig Floor		
Ocean: Arctic Ocean		Max. Well Deviation 0 deg	Longitude W 63° 47.3996'	Latitude N 73° 6.9077'

Logging Date			9-Sep-2023					
Run Number			1					
Depth Driller			2384.5 m					
Schlumberger Depth			2384 m					
Bottom Log Interval			2384 m					
Top Log Interval			1943 m					
Casing Driller Size @ Depth			0.000 in @ 2 m			@		
Casing Schlumberger			10.76 m					
Bit Size			11.438 in					
Type Fluid In Hole			Seawater					
MUD	Density	Viscosity	9 lbm/gal					
	Fluid Loss	PH		8.07				
	Source Of Sample		Mudpit					
	RM @ Measured Temperature		0.220 ohm.m @ 23 degC			@		
	RMF @ Measured Temperature		@			@		
RMC @ Measured Temperature		@			@			
Source RMF	RMC	N/A	N/A					
RM @ MRT	RMF @ MRT	0.455 @ 0	@ 0		@		@	
Maximum Recorded Temperatures		0 degC						
Circulation Stopped		Time	9-Sep-2023		1:00			
Logger On Bottom		Time	9-Sep-2023		3:13			
Unit Number		Location	627314 Larose, LA					
Recorded By			K. Garrett					
Witnessed By			B. Rhinehart					

[illegible]

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






[illegible]

## DISCLAIMER

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OTHER SERVICES1 OS1: FMS OS2: VSI OS3: OS4: OS5:			OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:		
REMARKS: RUN NUMBER 1			REMARKS: RUN NUMBER 2		
Hole drilled with RCB bottom hole assembly (BHA) using bit at 11.4375" BS					
TD (Driller) 2384.5mbrf					
Drill pipe set at 1998.8m					
Depth recorded from drill floor; logs presented as--logged without depth corrections or shifts, as per client instructions.					
All logs presented in wireline measured depth below rig floor (MDBRF).					
Caliper opened during upward passes; closed inside pipe/well and while logging down.					
Hole size corrections made using caliper measurements for upward passes bit size					
used for downlog corrections.					
AHC used from 2055mbrf.					
Caliper closed prior to entering the pipe on main pass and logged to above SF.					
Downlog flipped and note the caliper closed logging down.					
<div style="text-align: center;">RUN 1</div> SERVICE ORDER #: PROGRAM VERSION: 19C0-187 FLUID LEVEL:			<div style="text-align: center;">RUN 2</div> SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

## EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
GSR-U 135 WITM (EDTS)-A			
DOWNHOLE EQUIPMENT			
LEH-QT	MDSB_EDTC Mud Tempe		50.39 51.71
	CTEM		49.32
AH-369	Gamma Ray		48.75 50.82
EDTC-B	EFTB DIAG		50.39
EDTH-B 8226	TelStatus		48.40
	EDTCB Ele		47.70
HNGS-BA	Upper_1		47.49
	Lower_2		48.40

HNGS-BA 177			
HNSH-BA 174			
HNGC-B	HNGC Stat	45.37	45.90
LDSC-B	LDSC Stat	44.30	44.84
HLDS			43.77
HLDV-D 67			
HLDS-D 77			
GSR-ZA 2945	Caliper		
HLDP-C 83	SS LS Status	39.71	
AH-184			38.95
AH-ECH-MRA			38.34
AH-ECH-MRA 5714			
AH-184			35.45
AH-MCD			34.84
AH-MCD 82			
HRLT-B			32.56
HRUH-B 975			
HRUC-B 964			
HRLS-B 768	High Res.	28.98	
HRLH-B 1869			
HRLC-B 1897			
AH-270 1708			
AH-MCD1			25.19
AH-MCD1 1			
DSST-B			22.91
SPAC-B 8128			
ECH-SD 8127			
SMDR-BD 8227			
SSIJ-BA 8204			
SMDX-AA 8131			
	PWF	7.36	
AH-MCD2			7.36
AH-MCD2 12			
AH-230			5.08
MSS_LDEO-A	Hi-Res	4.38	4.69
ELIC-A 1			
MSS_LDEO-A 1	Dual Coil	1.40	
AH-Go Devil	DF ACCZ Tension HV	0.00	1.02

TOOL ZERO  
 MAXIMUM STRING DIAMETER 4.50 IN  
 MEASUREMENTS RELATIVE TO TOOL ZERO  
 ALL LENGTHS IN METERS

Schlumberger

Downlog

MAXIS Field Log

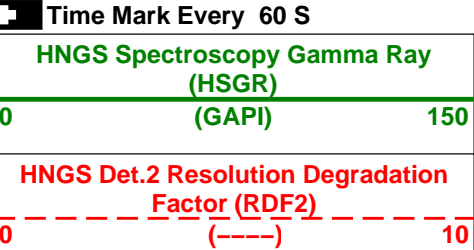
Company: International Ocean Discovery Program Well: Expedition 400, Site U1604B

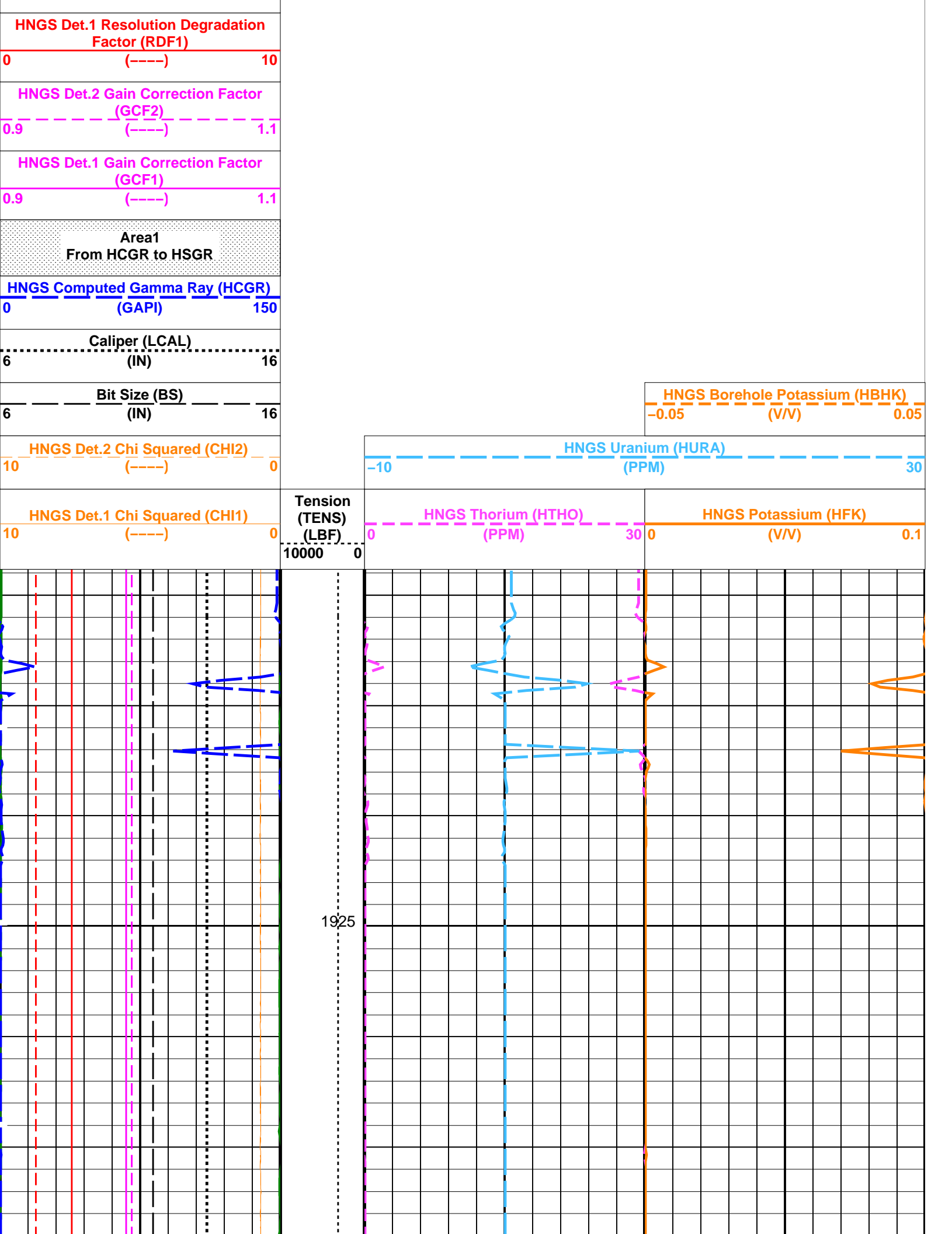
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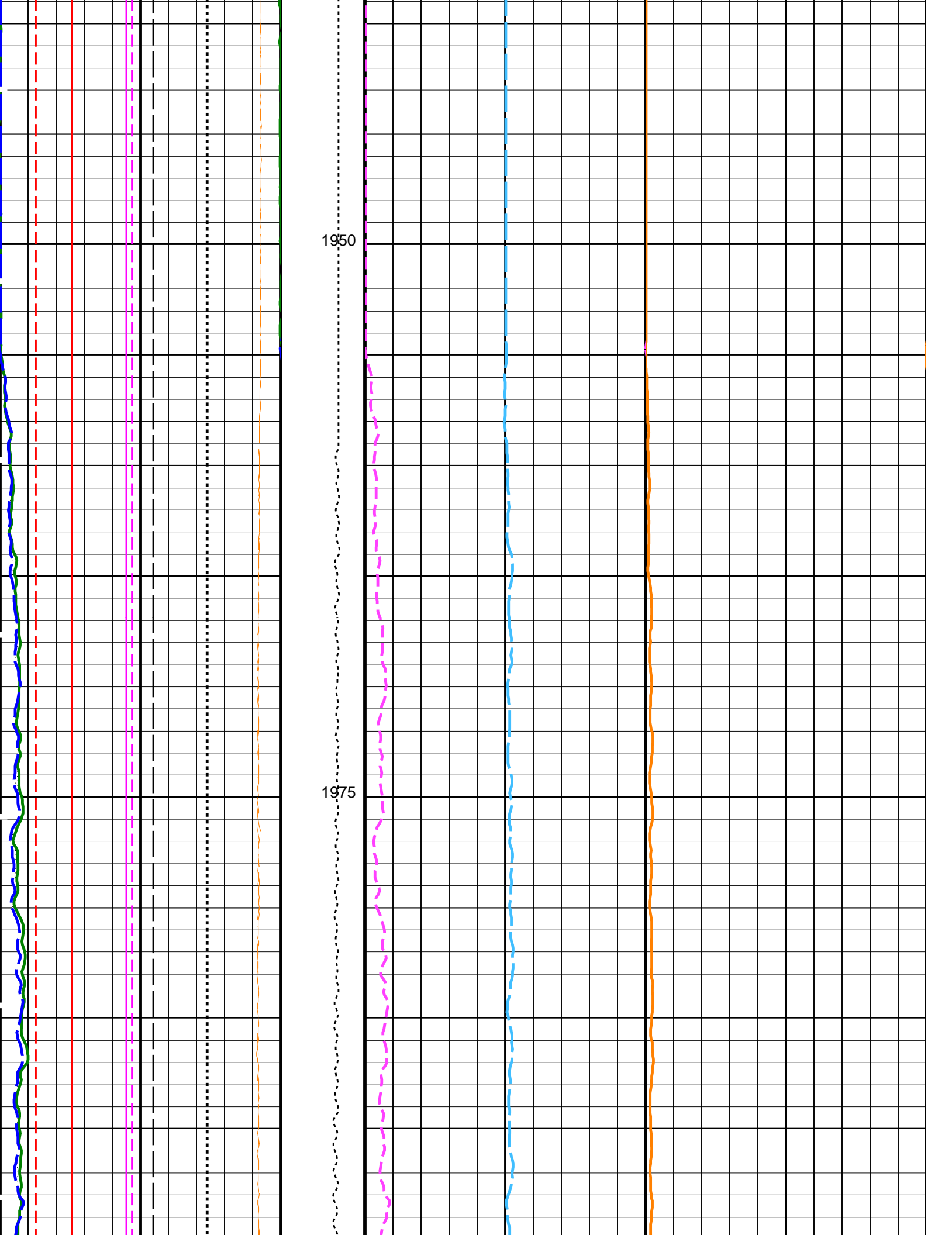
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				1908.8 M	

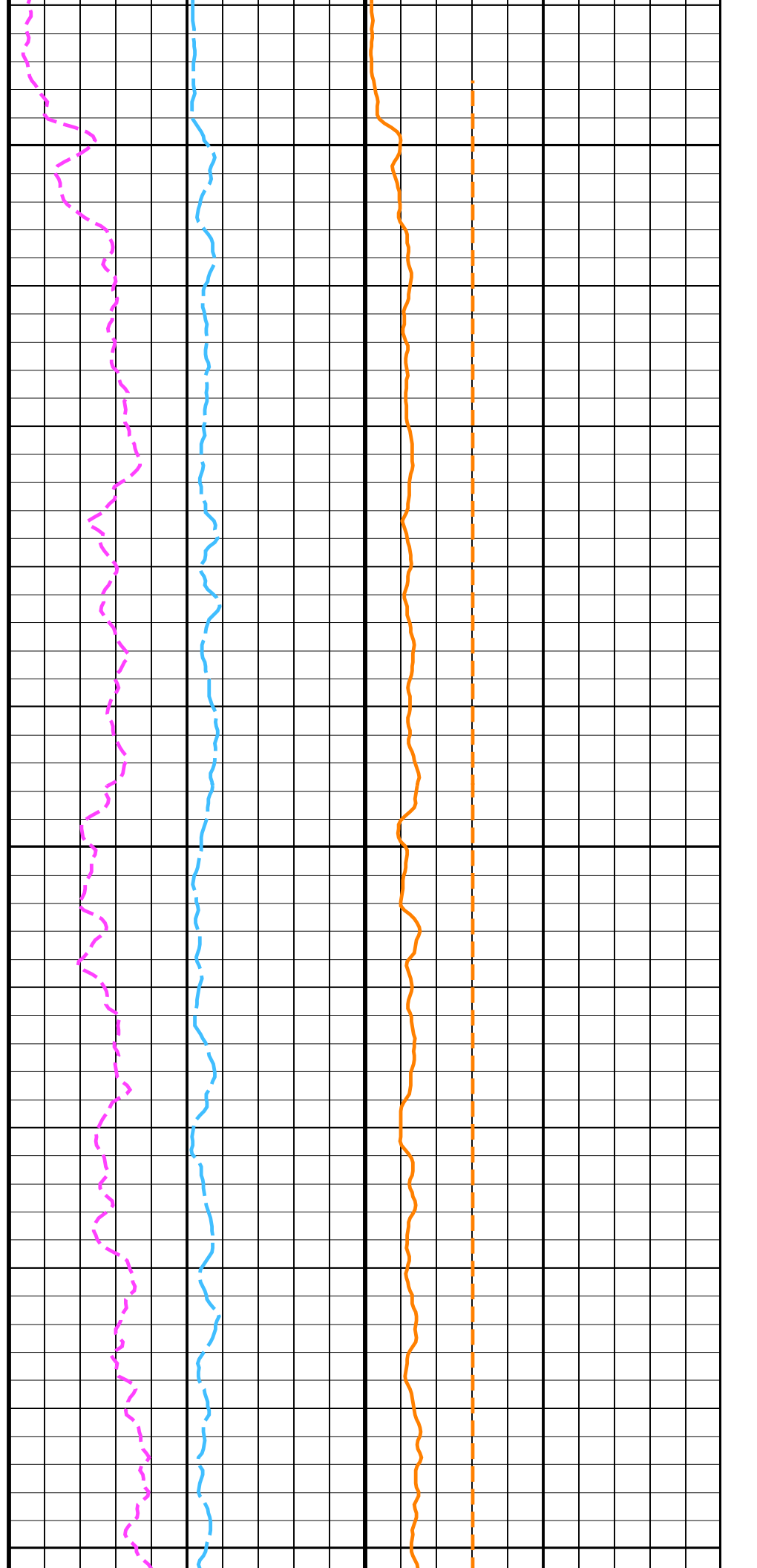
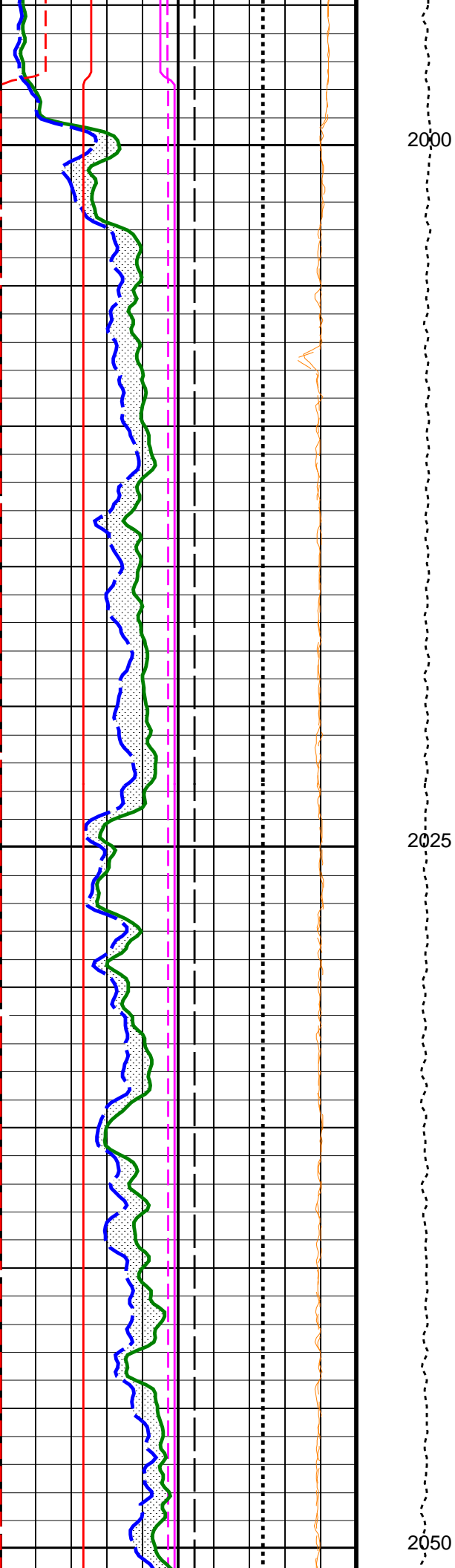
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HRLT-B	19C0-187	HLDS	19C0-187		
LDSC-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	EDTC-B	19C0-187		

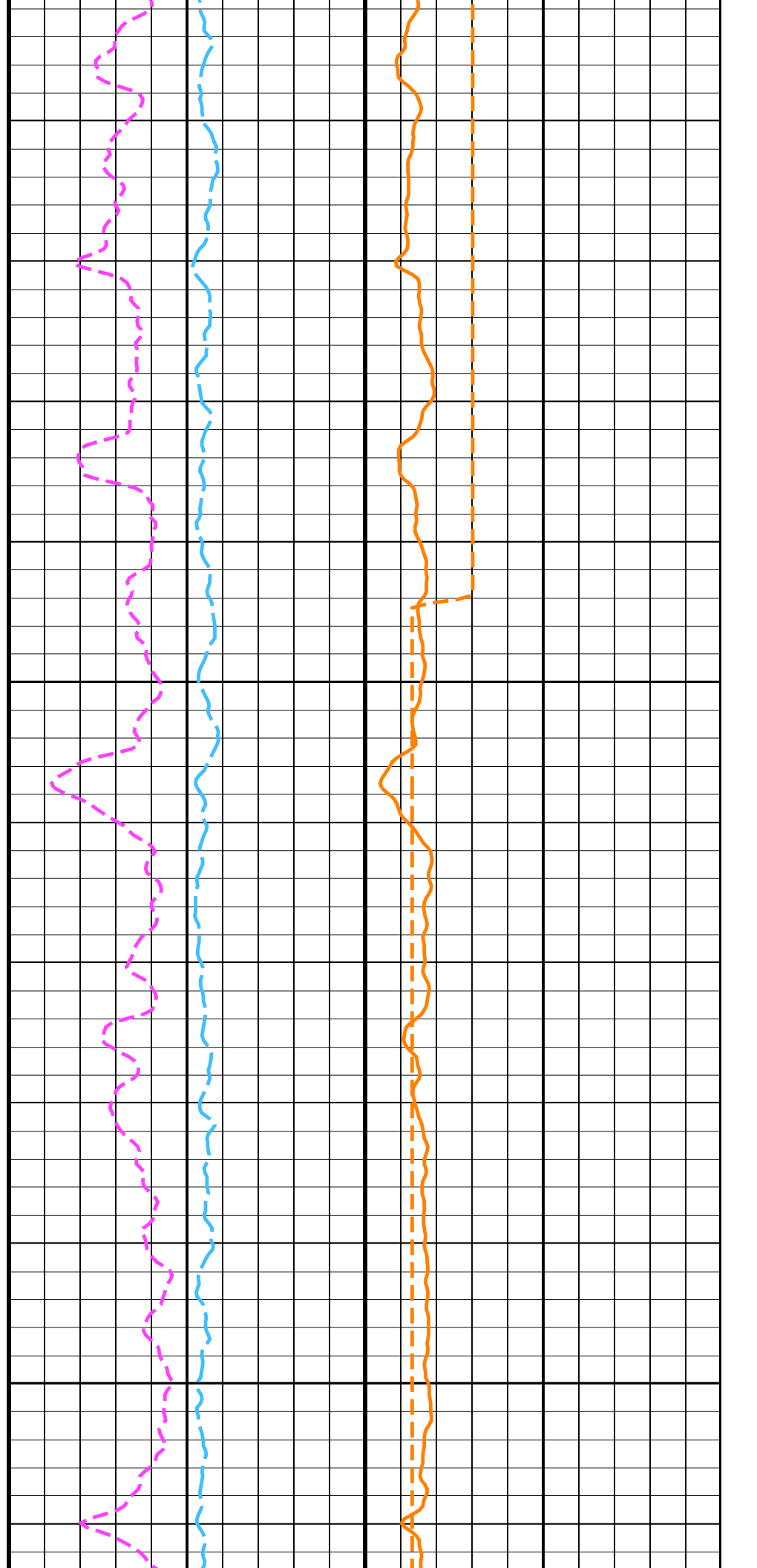
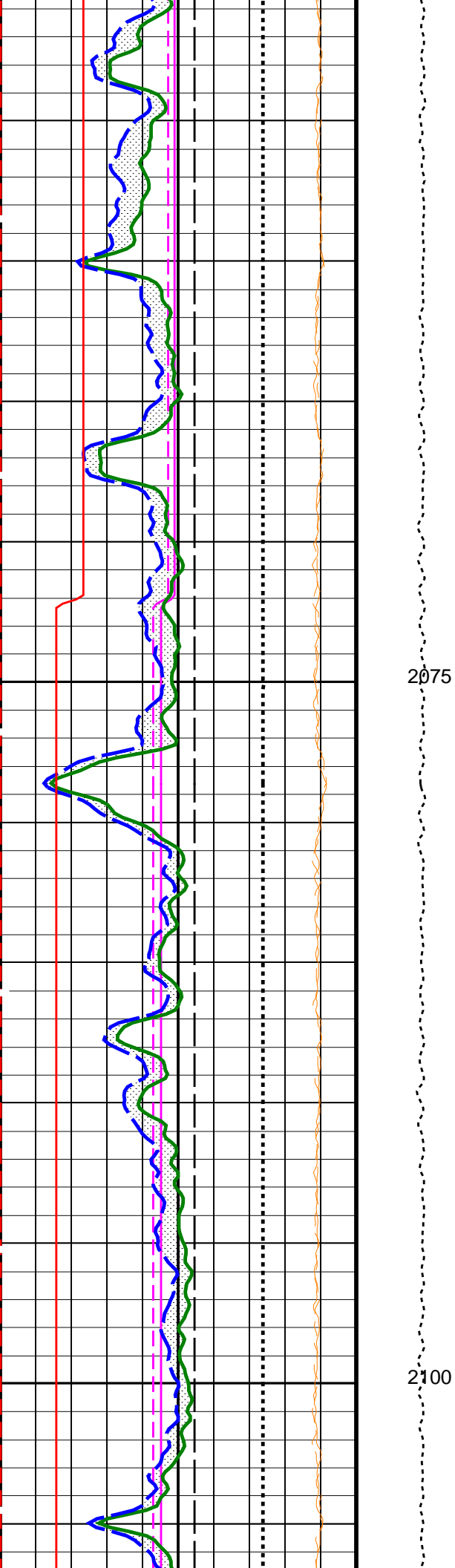
PIP SUMMARY



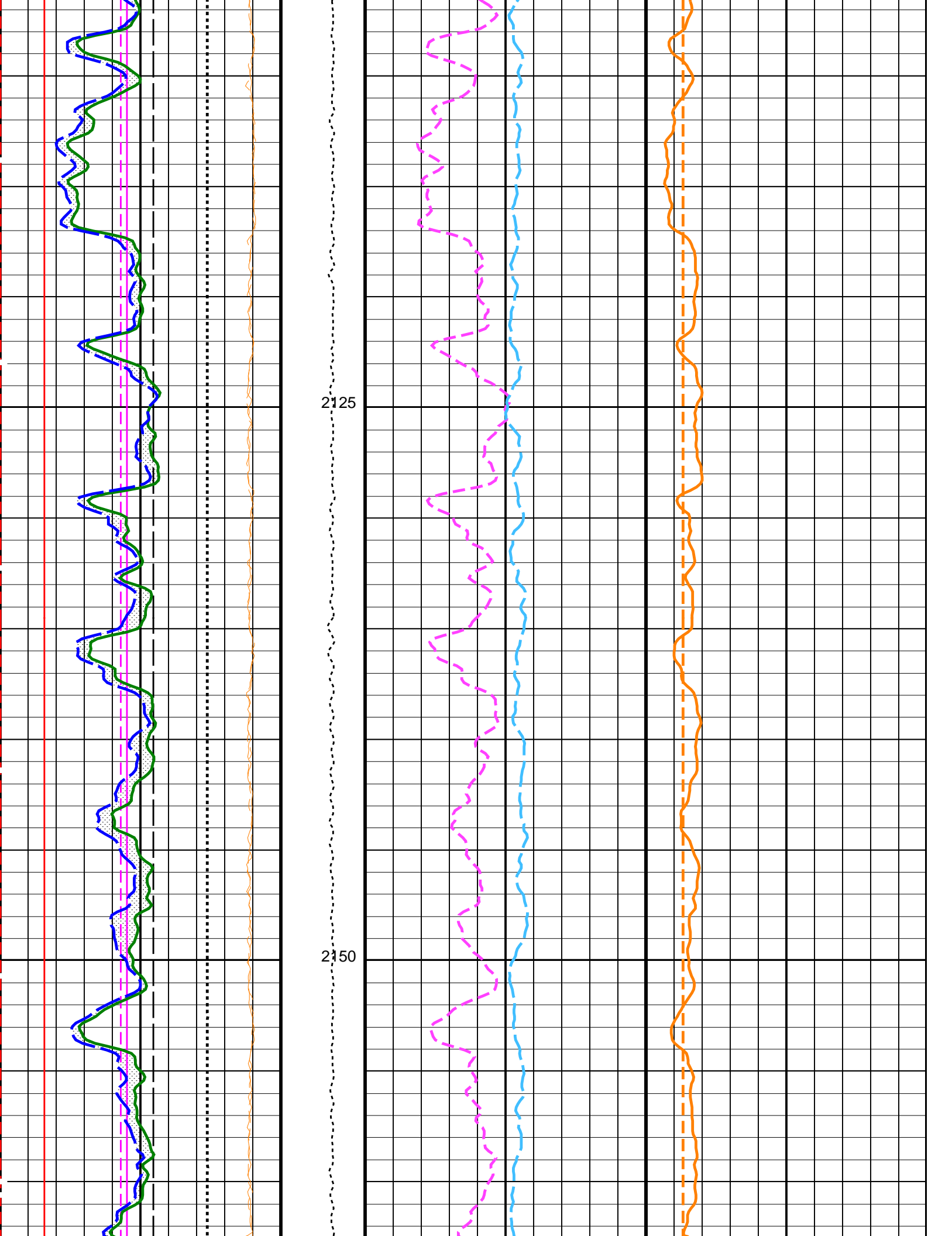


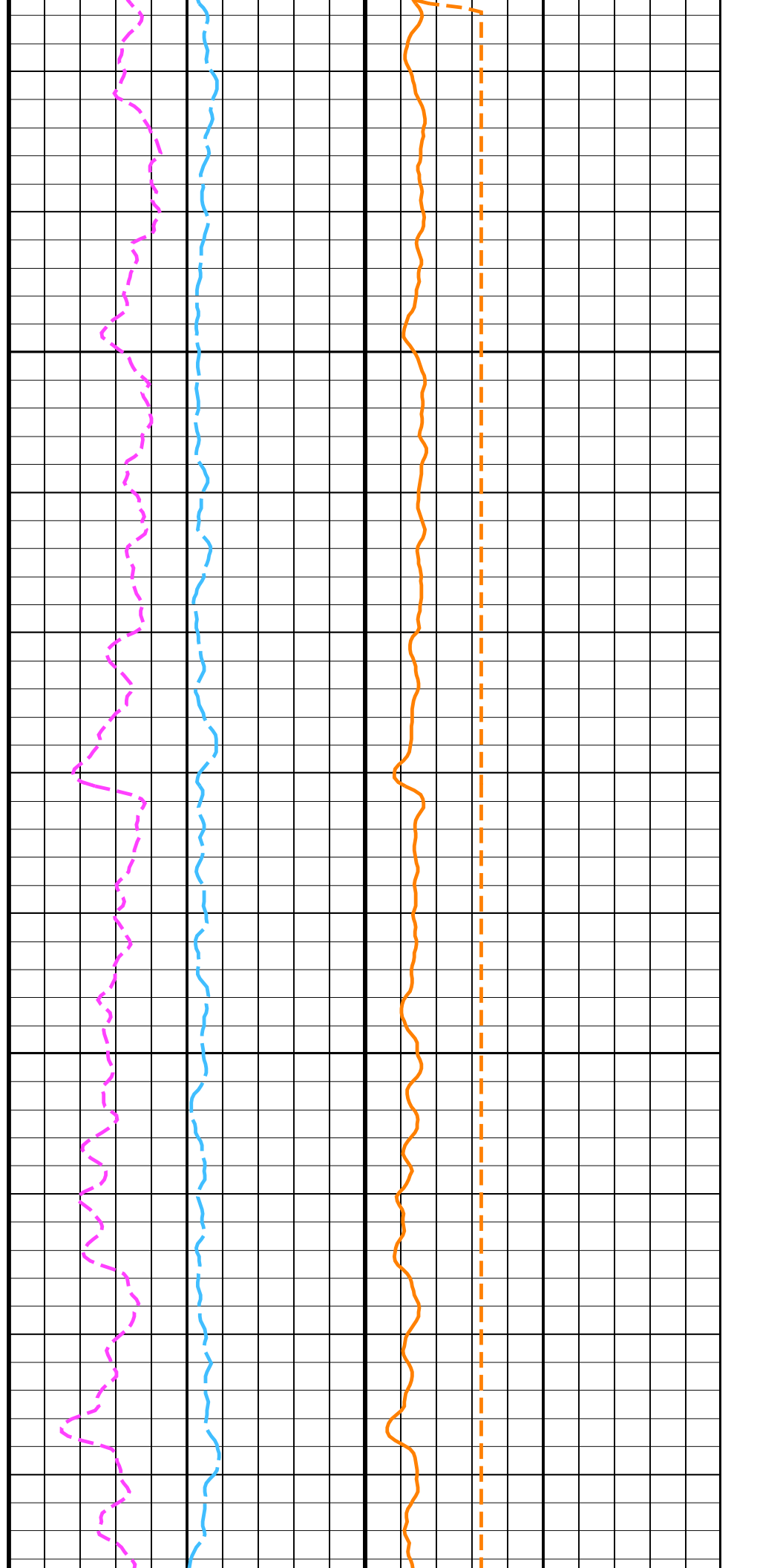
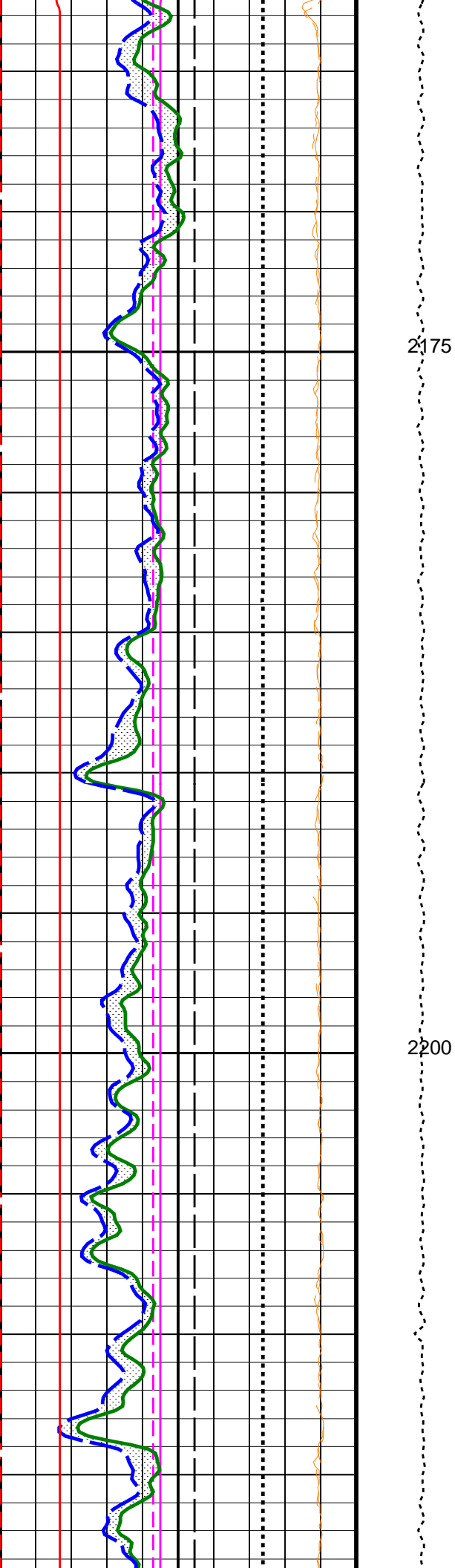


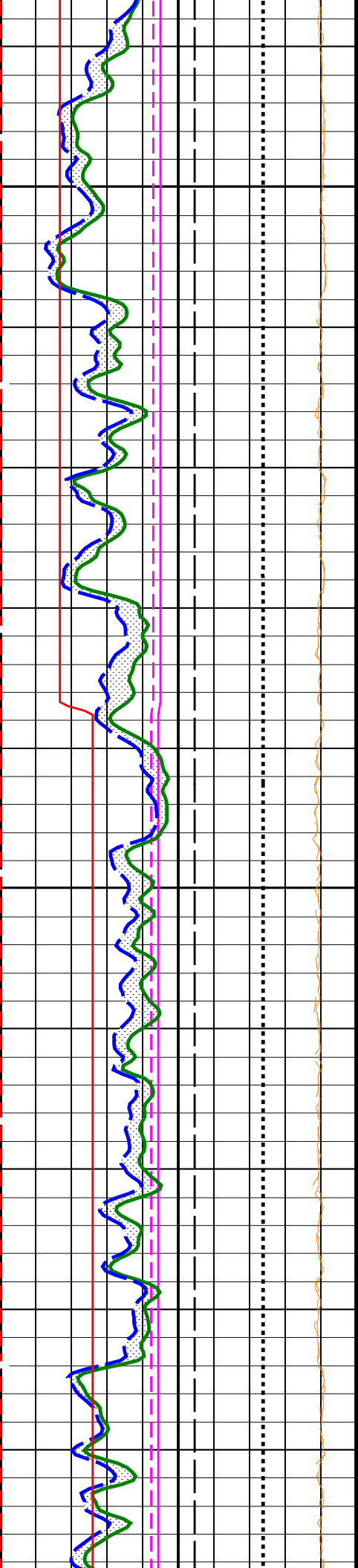






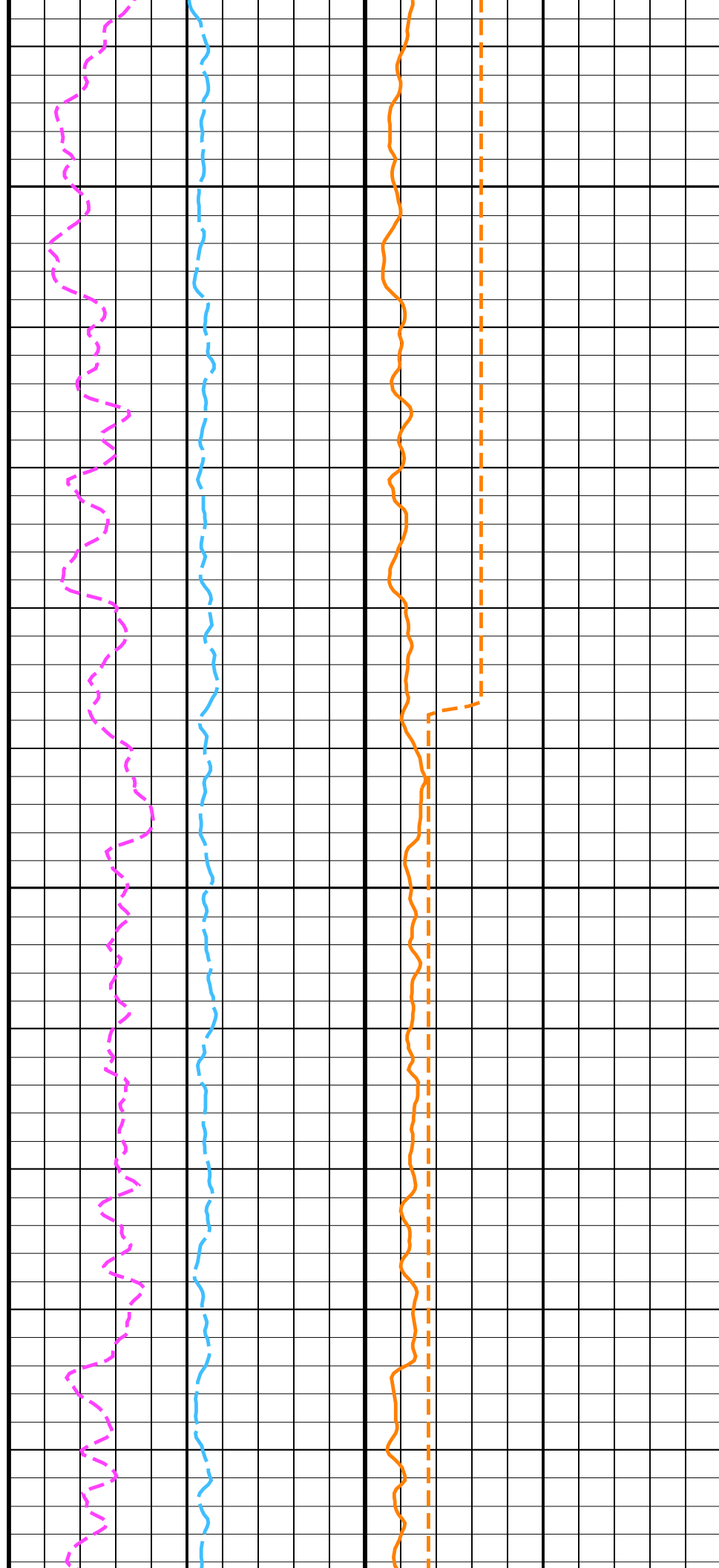


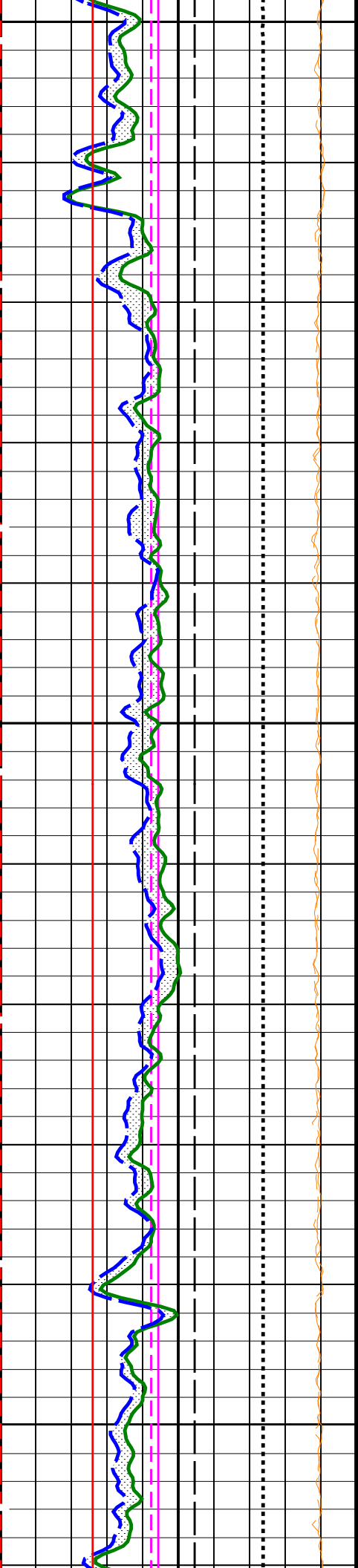




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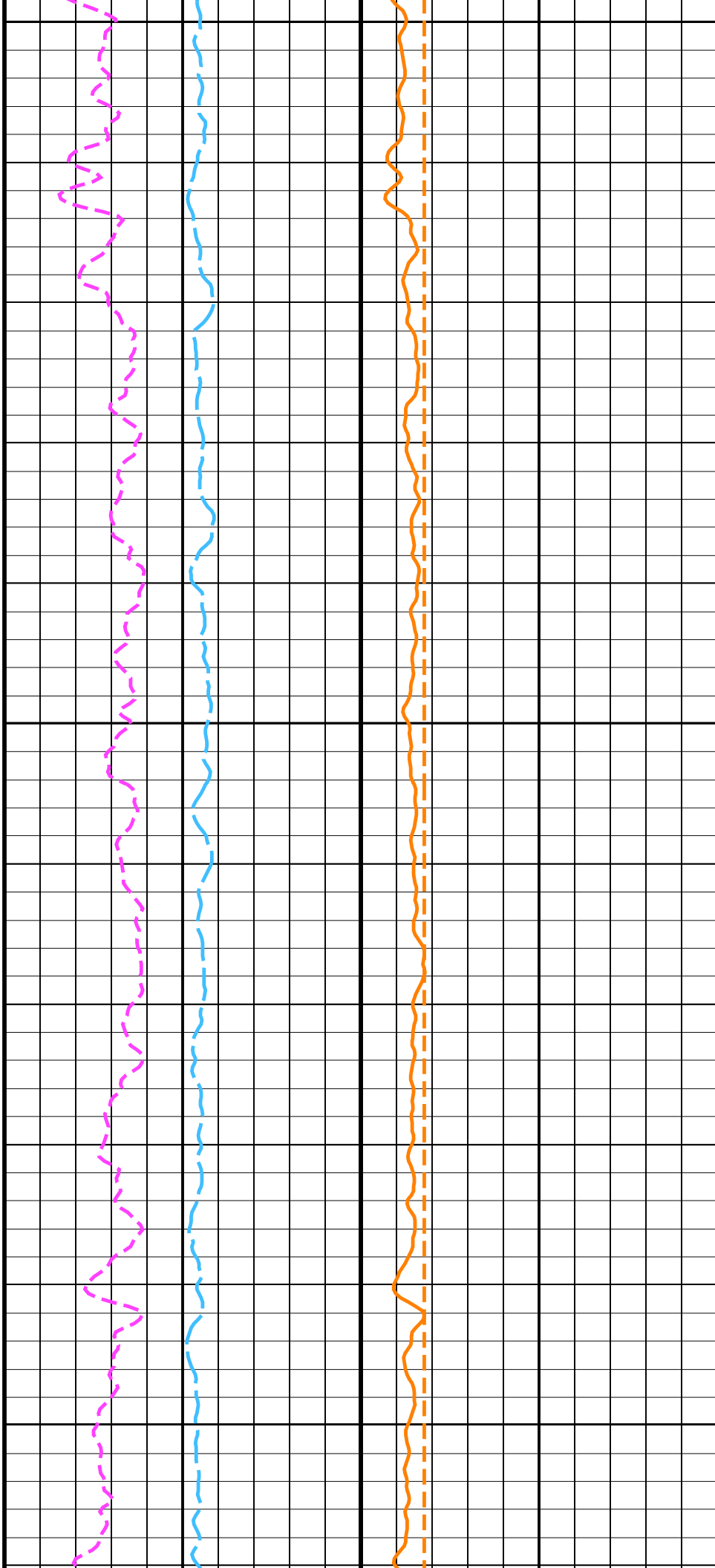


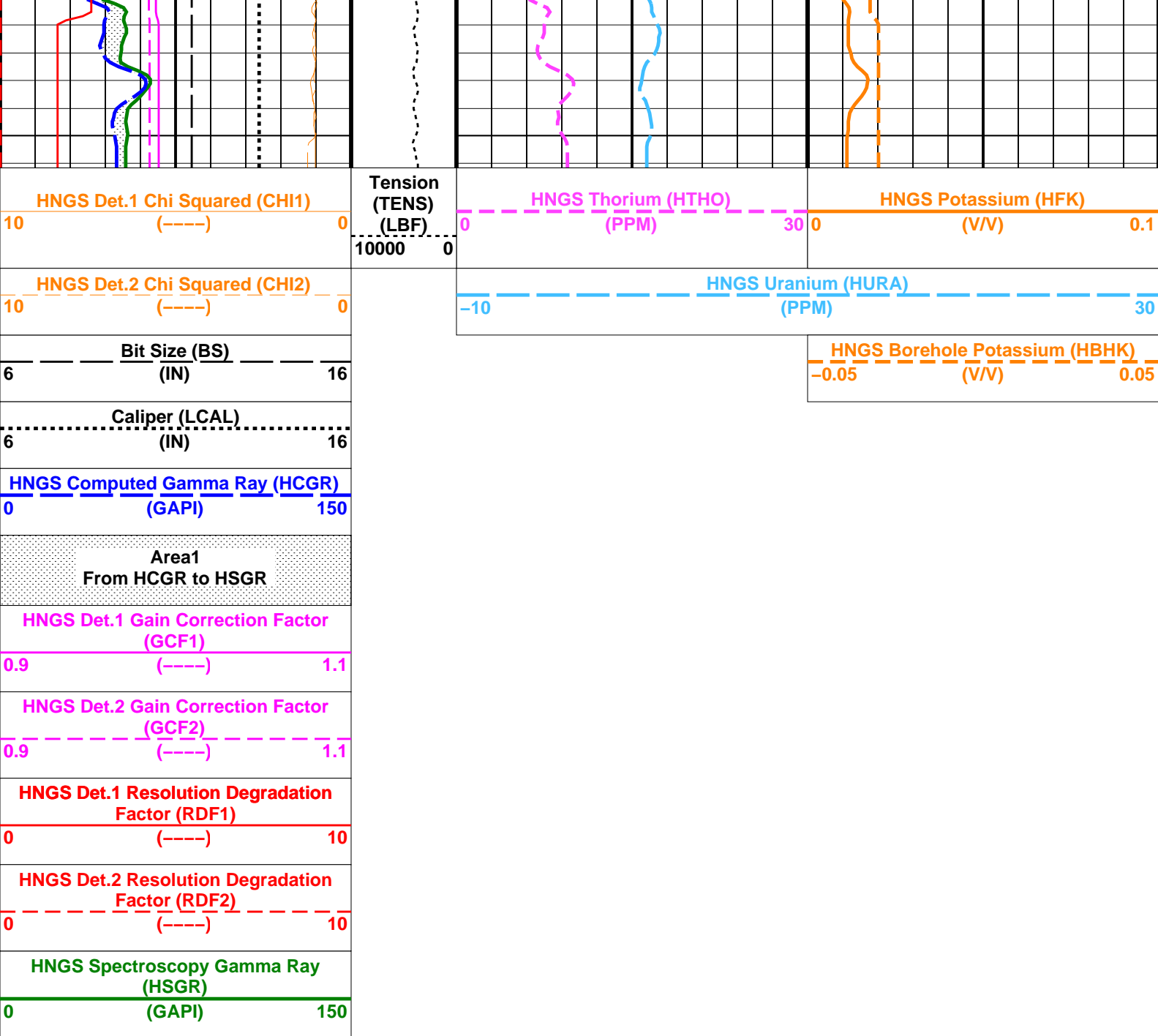


2275

2300

2325





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HNCS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNCS Detector 1 Barite Constant	1	
BAR2	HNCS Detector 2 Barite Constant	1	
BHK	HNCS 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	HNCS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNCS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNCS Detector 2 Allow/Disallow In Processing	ALLOW	

HABK	HNGS Borehole Potassium Running Average	-0.0044948	
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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990199	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.990261	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 09-Sep-2023 04:43
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OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

Input DLIS Files					
DEFAULT	Flip_MSS_LDEO_DSI_005LUP	PRODUCER	09-Sep-2023 03:13	2334.0 M	1908.8 M
Output DLIS Files					
DEFAULT	MSS_LDEO_DSI_HRLA_008PUP	FN:6	PRODUCER	09-Sep-2023 04:43	

Company: International Ocean Discovery Program	Well: Expedition 400, Site U1604B
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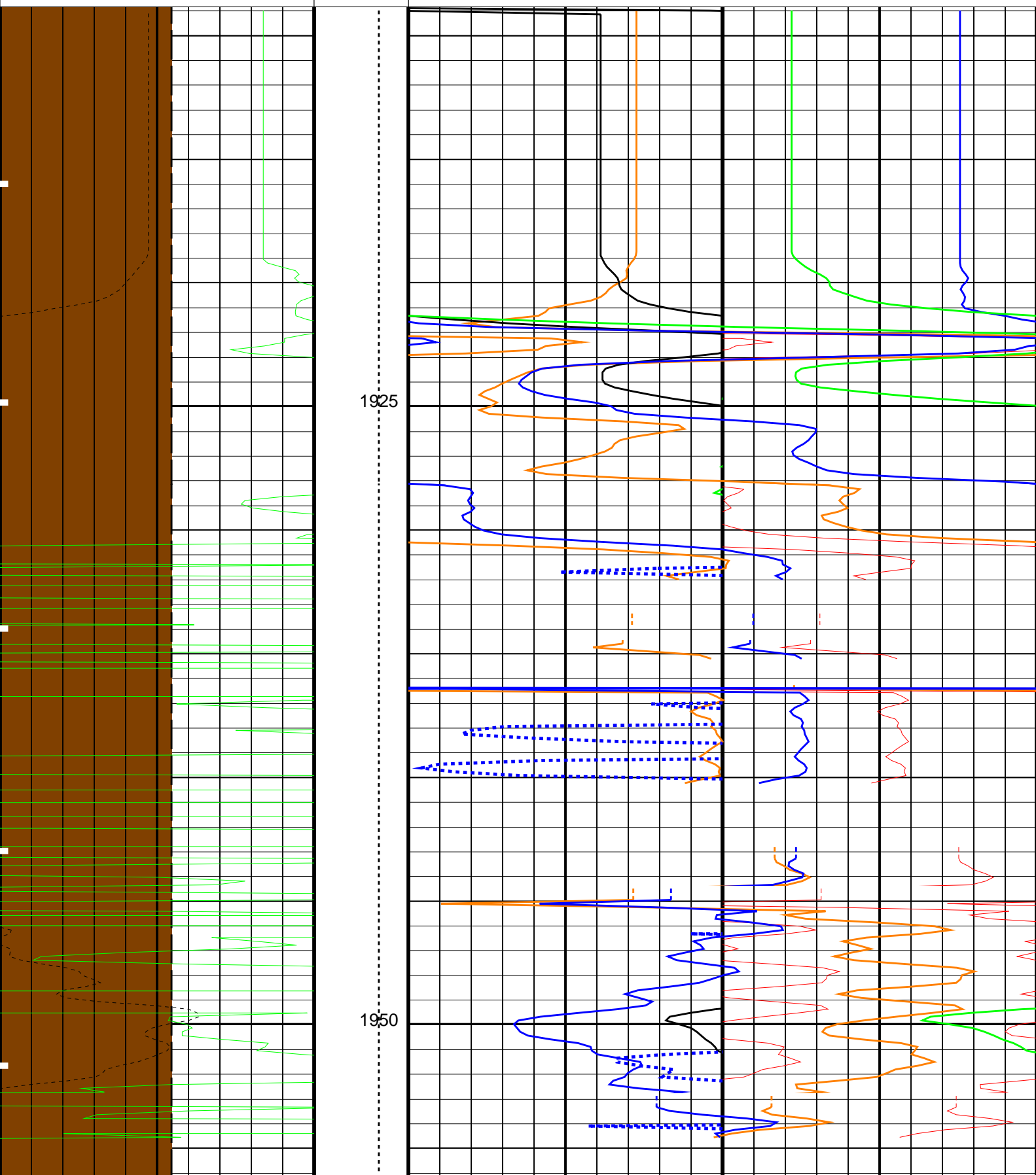
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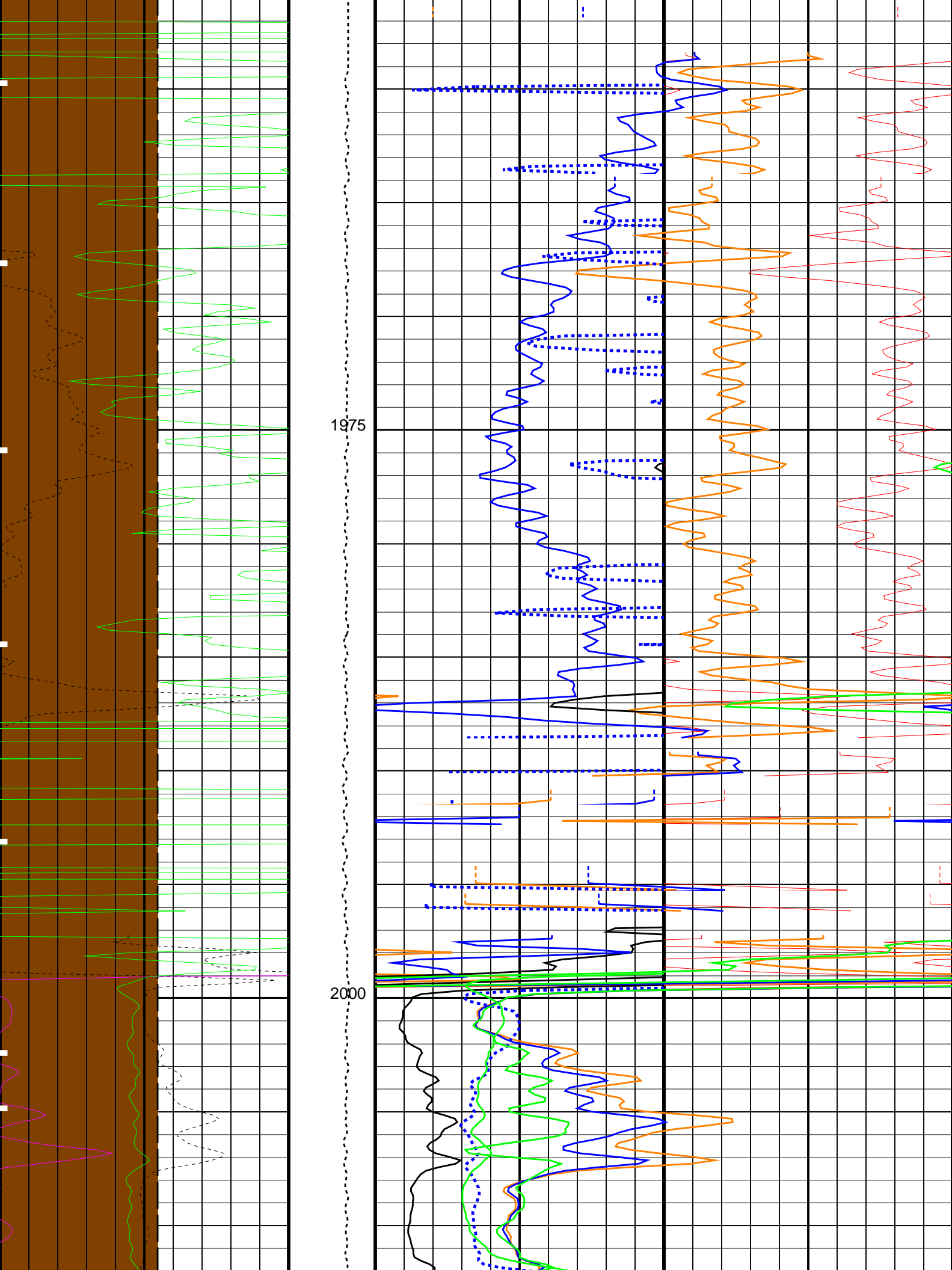
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HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

PIP SUMMARY	
Time Mark Every 60 S	

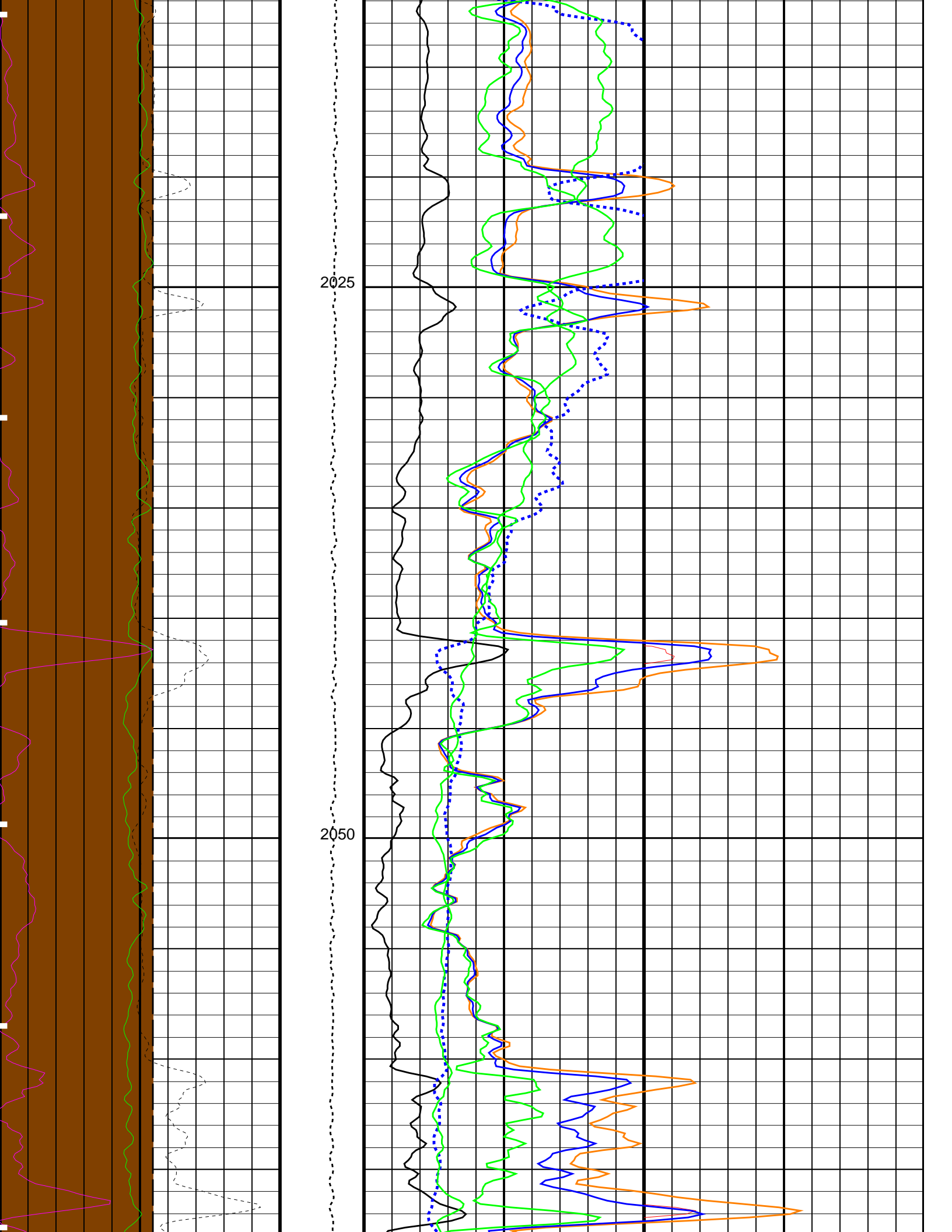
HLDS Long Spacing Quality Indicator (LQLS)	
-0.25 (----) 0.25	
HLDS Short Spacing Quality Indicator (LQSS)	
-0.25 (----) 0.25	
Washout From BS to HLDS_CALIPER	HLDS Short Spaced Bulk Density (RHS)
	2 (G/C3) 3
	HLDS Long Spaced Photoelectric Effect (PEFL)
	0 (----) 10
	HLDS Short Spaced Photoelectric Effect (PEFS)
	0 (----) 10
Mudcake From HLDS_CALIPER to BS	

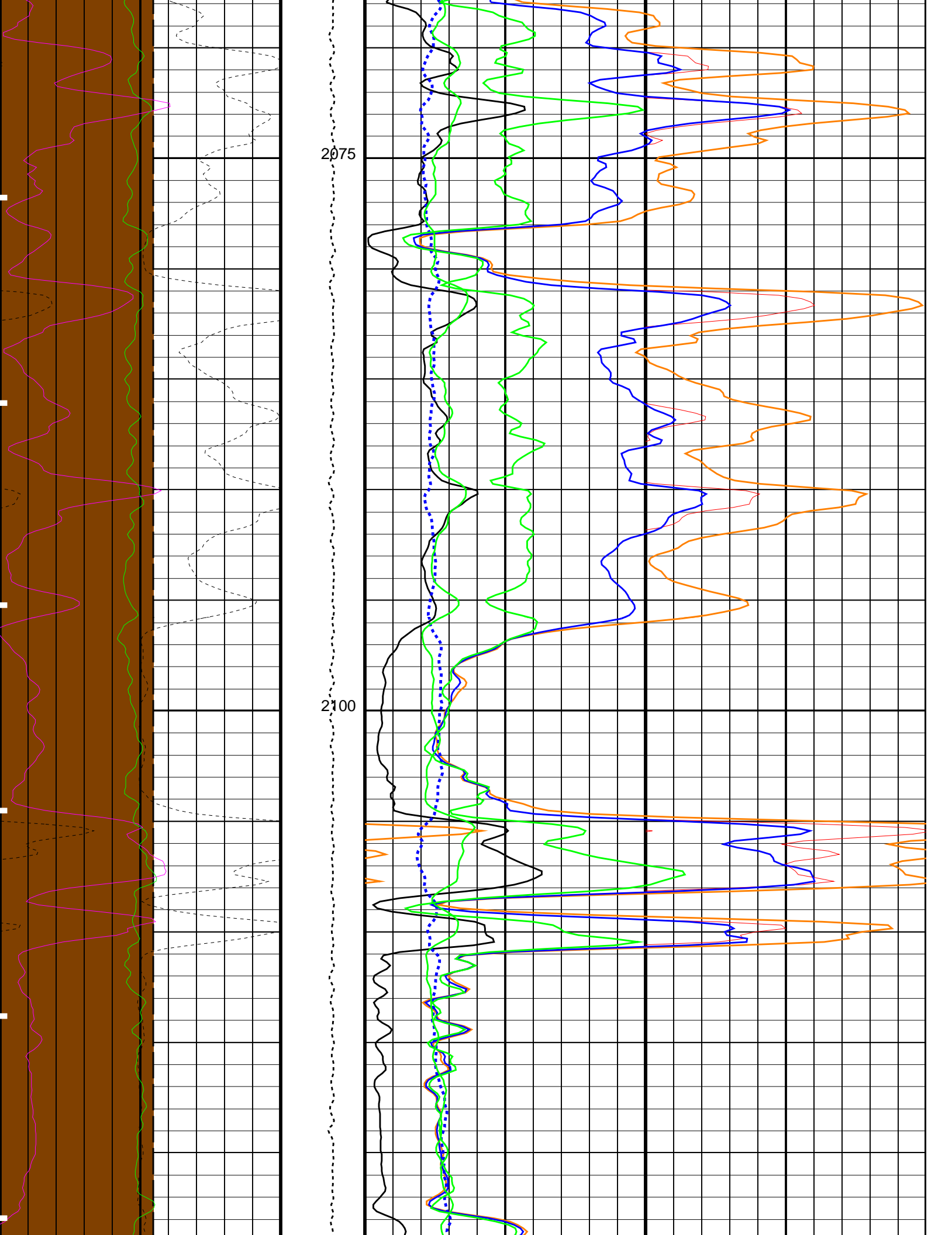
HLDS Caliper (LCAL)			HLDS Long Spaced Bulk Density (RHL)		
6	(IN)	16	2	(G/C3)	3
Bit Size (BS)			HLDS SS2 Density (RHS3)		HLDS Density Porosity (DPO)
6	(IN)	16	2	(G/C3)	3
HLDS Bulk Density Correction (DRH)			HLDS Bulk Density (RHOM)		
-0.25	(G/C3)	0.25	2	(G/C3)	3
Tension (TENS) (LBF)					
10000 0					

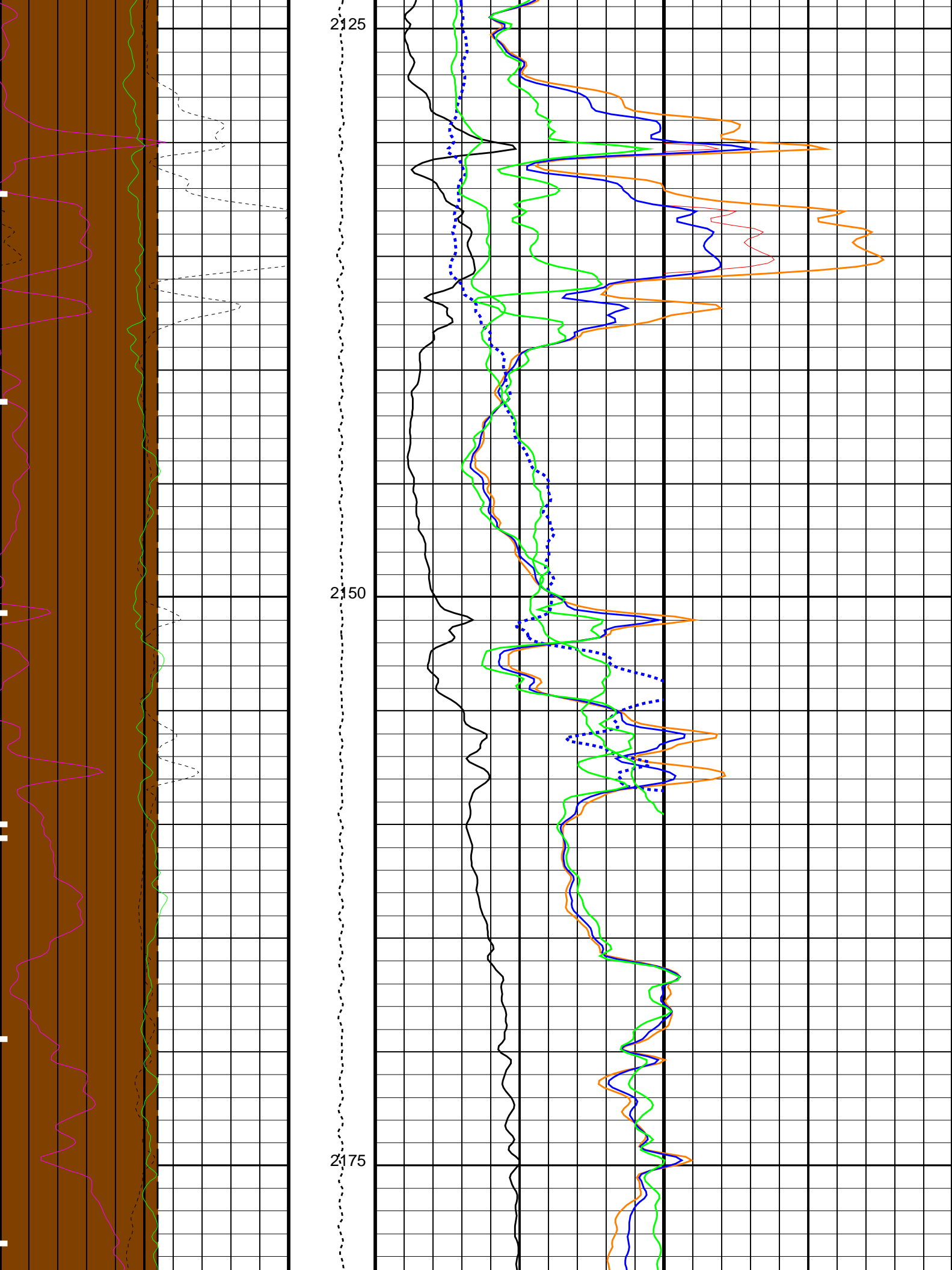


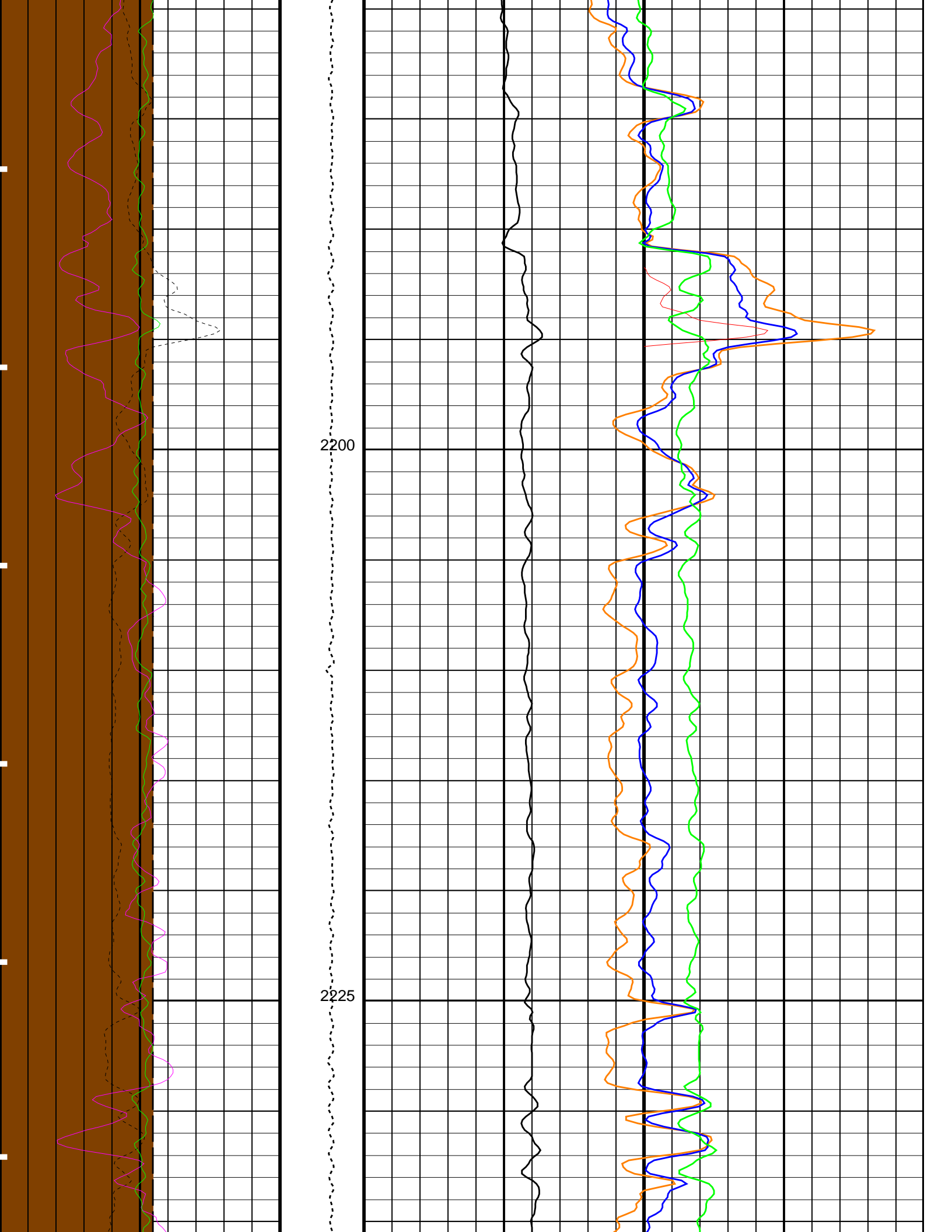


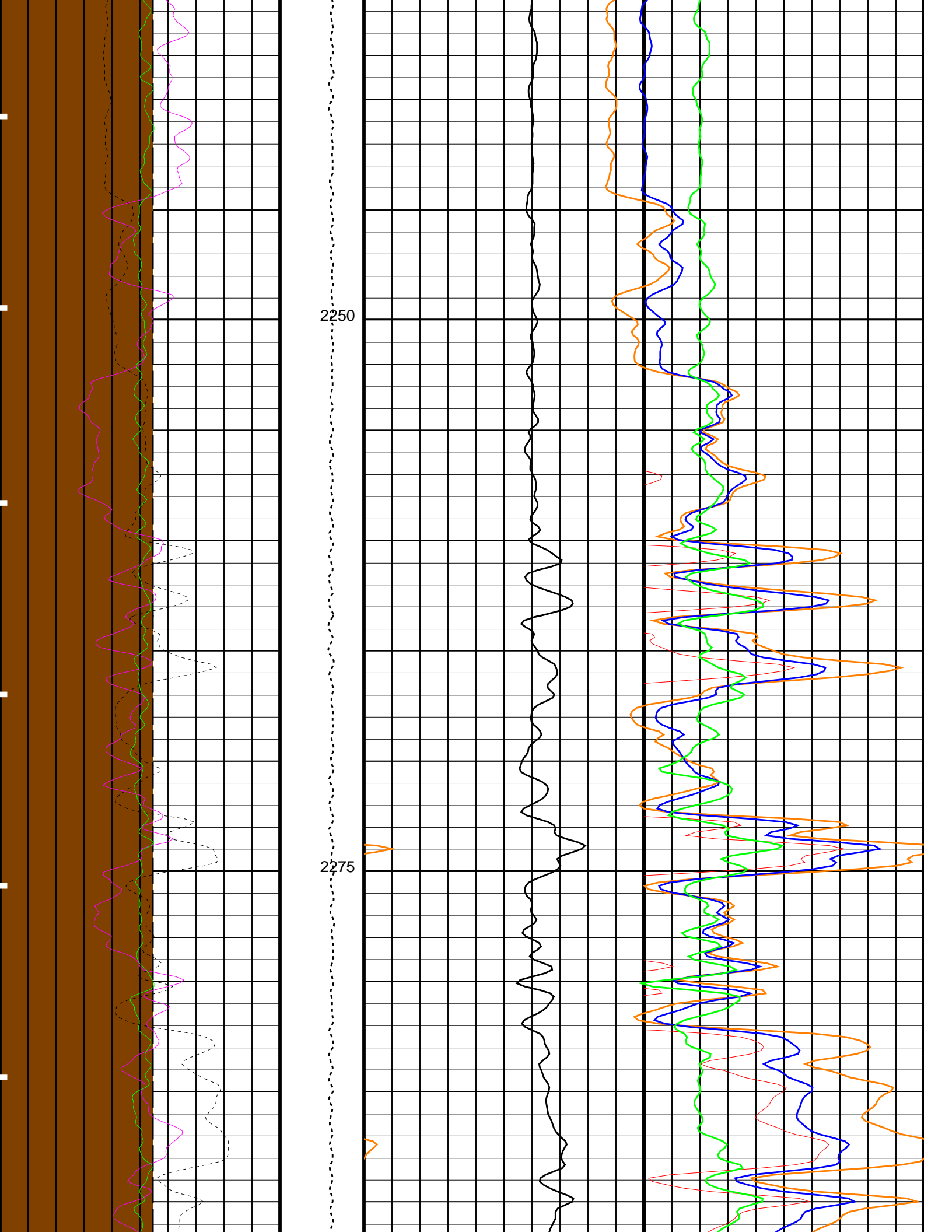


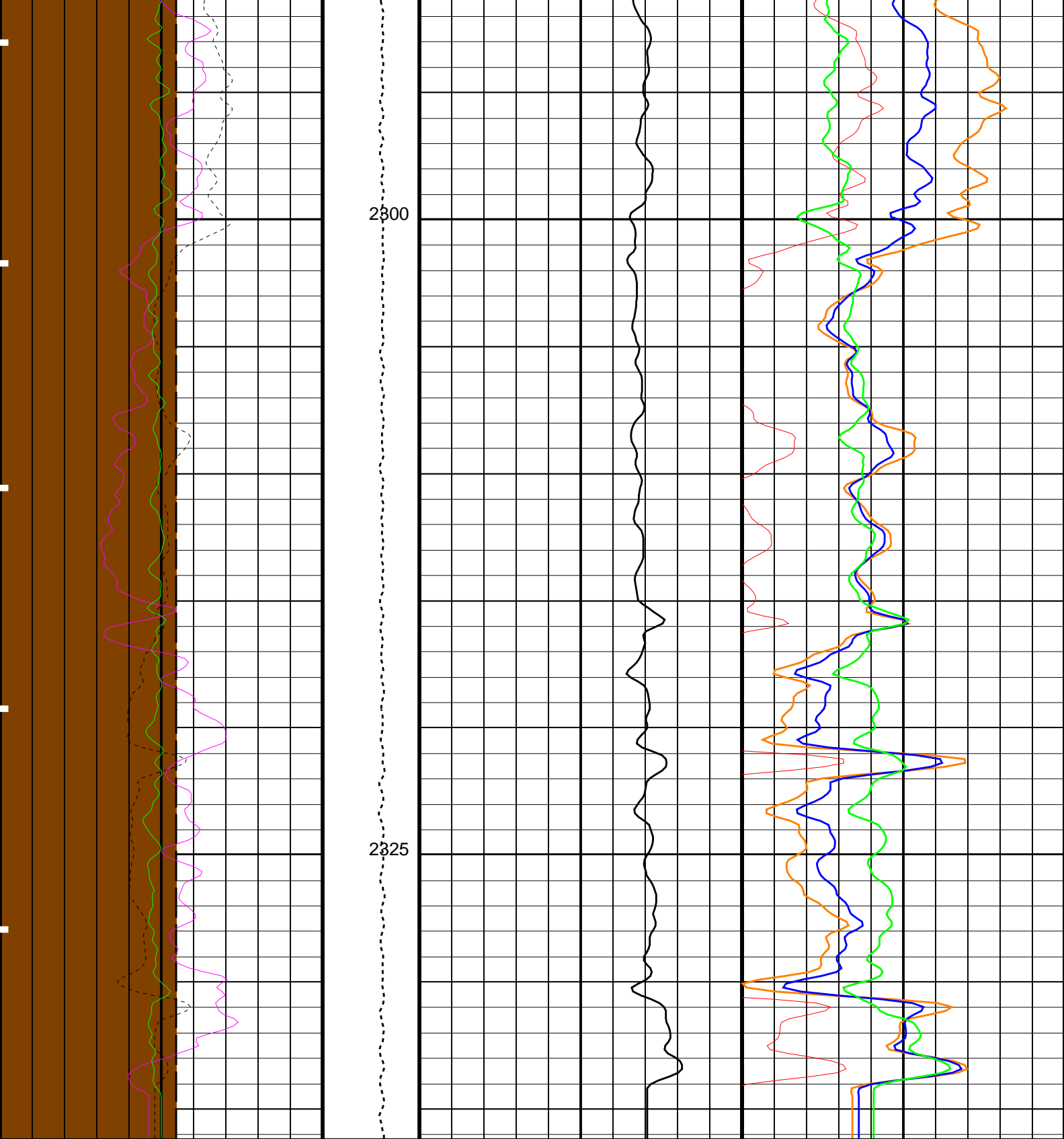












HLDS Bulk Density Correction (DRH)		Tension (TENS) (LBF)	HLDS Bulk Density (RHOM)		
-0.25	0.25		2	3	
(G/C3)			(G/C3)		
		10000	0		
Bit Size (BS)		HLDS SS2 Density (RHS3)		HLDS Density Porosity (DPO)	
6	16	2	3	30	0
(IN)		(G/C3)		(PU)	
HLDS Caliper (LCAL)		HLDS Long Spaced Bulk Density (RHL)			
6	16	2	3		
(IN)		(G/C3)			
Mudcake		HLDS Short Spaced Photoelectric Effect			
From HLDS CALIPER to BS		(PEFS)			
		0	10		
		(-----)			

<div>Washout From BS to HLDS_CALIPER</div> <div>HLDS Short Spacing Quality Indicator (LQSS)</div> <div>-0.25 (-----) 0.25</div> <div>HLDS Long Spacing Quality Indicator (LQLS)</div> <div>-0.25 (-----) 0.25</div>	<div>HLDS Long Spaced Photoelectric Effect (PEFL)</div> <div>0 (-----) 10</div>	
	<div>HLDS Short Spaced Bulk Density (RHS)</div> <div>2 (G/C3) 3</div>	

PIP SUMMARY		
<div><div></div>Time Mark Every 60 S</div>		

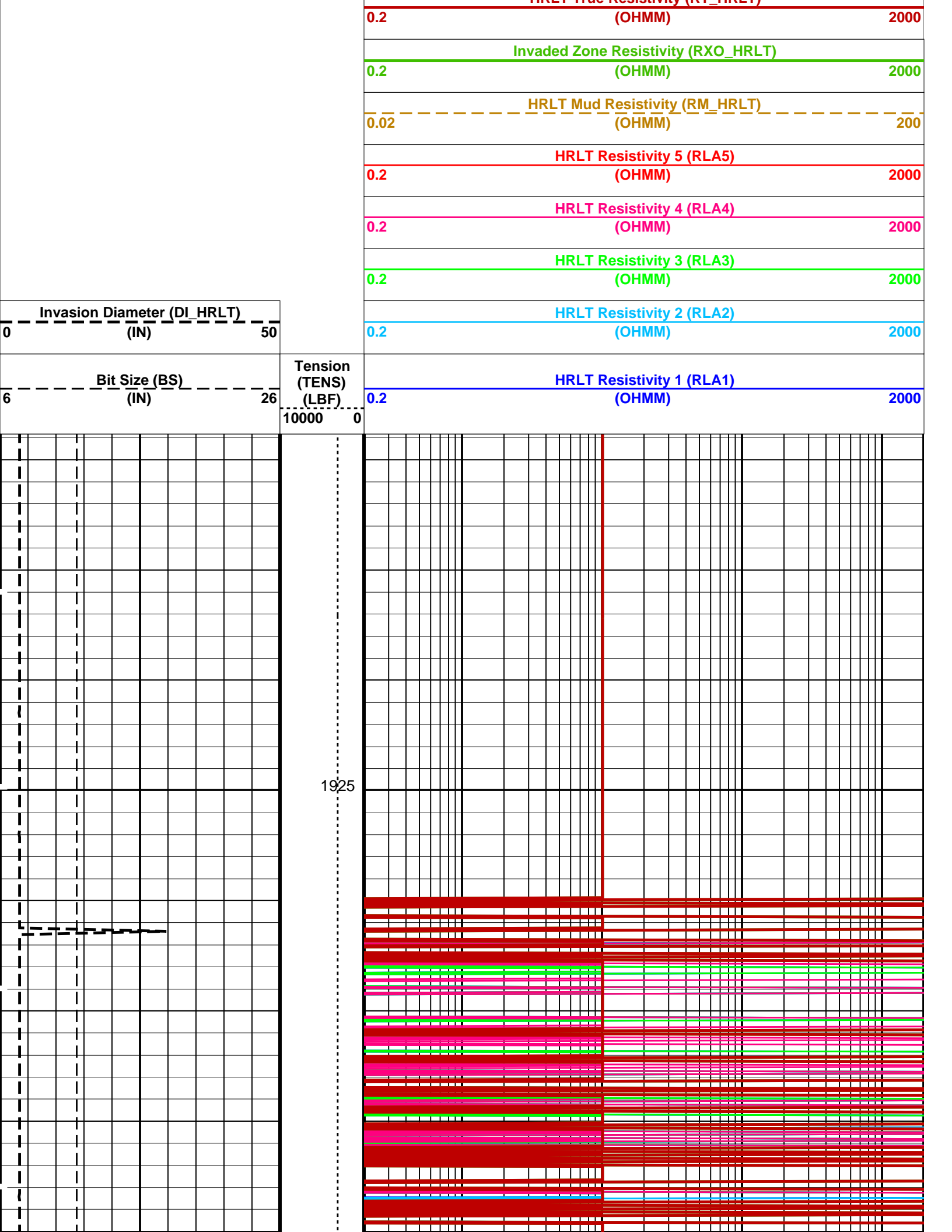
Parameters		
DLIS Name	Description	Value
HLDS: Hostile Litho-Density Sonde		
DHC	Density Hole Correction	CALIPER
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1 G/C3
LATC	HLDS Activation Correction	OFF
MDEN	Matrix Density	2.71 G/C3
EDTC-B: Enhanced DTS Cartridge		
DPPM	Density Porosity Processing Mode	HIRS
System and Miscellaneous		
BS	Bit Size	11.438 IN
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL
Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 09-Sep-2023 04:43		

OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

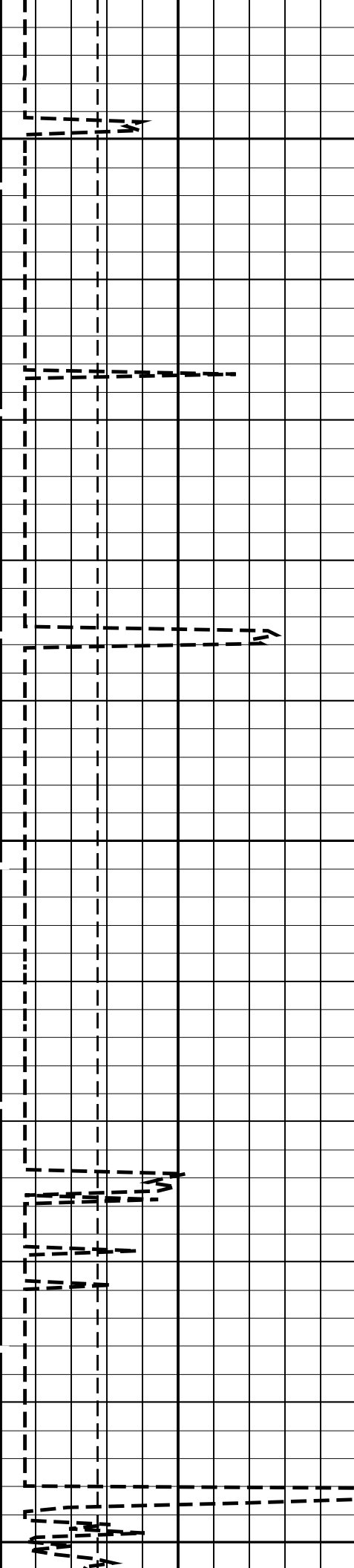
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Output DLIS Files					
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Company: International Ocean Discovery Program				Well: Expedition 400, Site U1604B	
Input DLIS Files					
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Output DLIS Files					
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OP System Version: 19C0-187					
MSS_LDEO-A	19C0-187	DSST-B	19C0-187		
HRLT-B	19C0-187	HLDS	19C0-187		
LDSC-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	EDTC-B	19C0-187		
PIP SUMMARY					
<div><div></div>Time Mark Every 60 S</div>					

HLDS True Resistivity (RT HRLT)



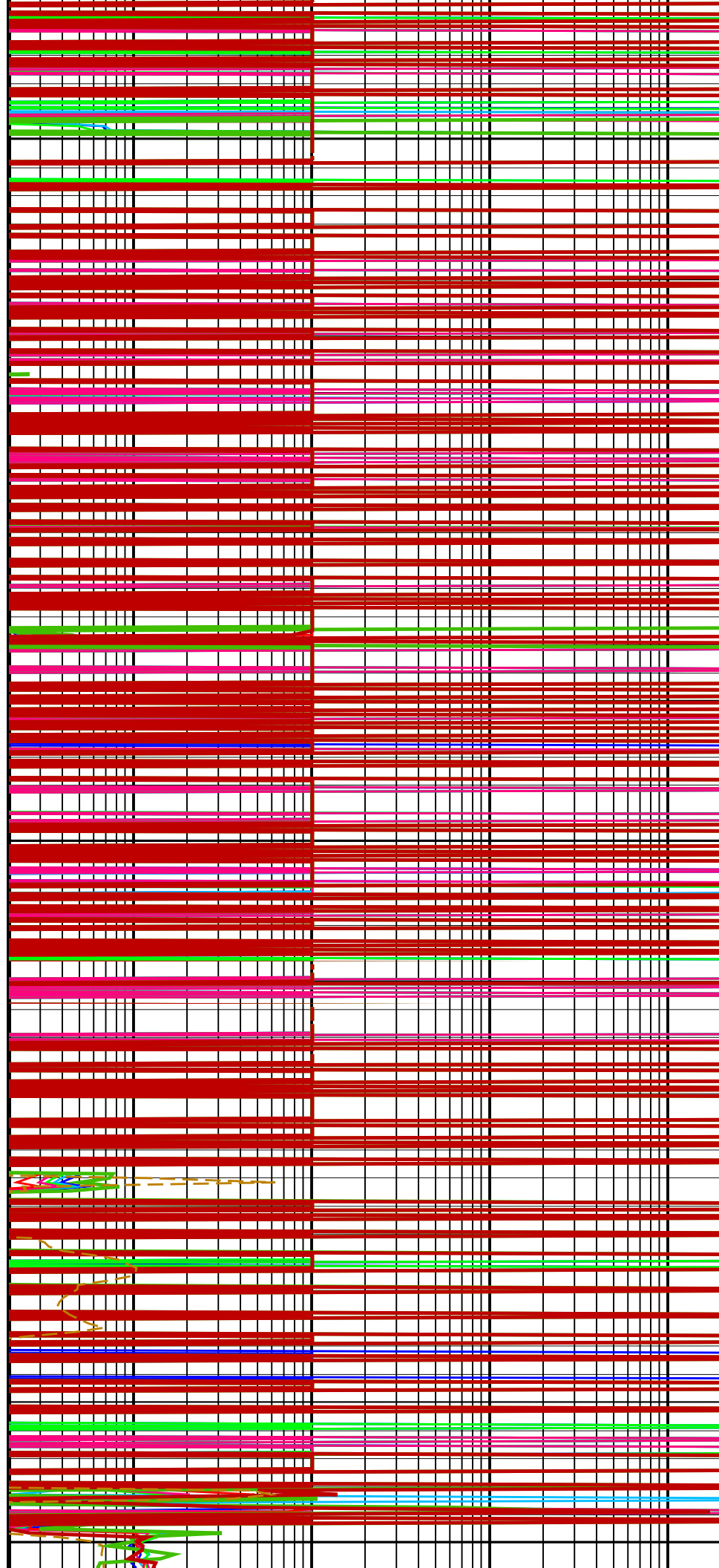


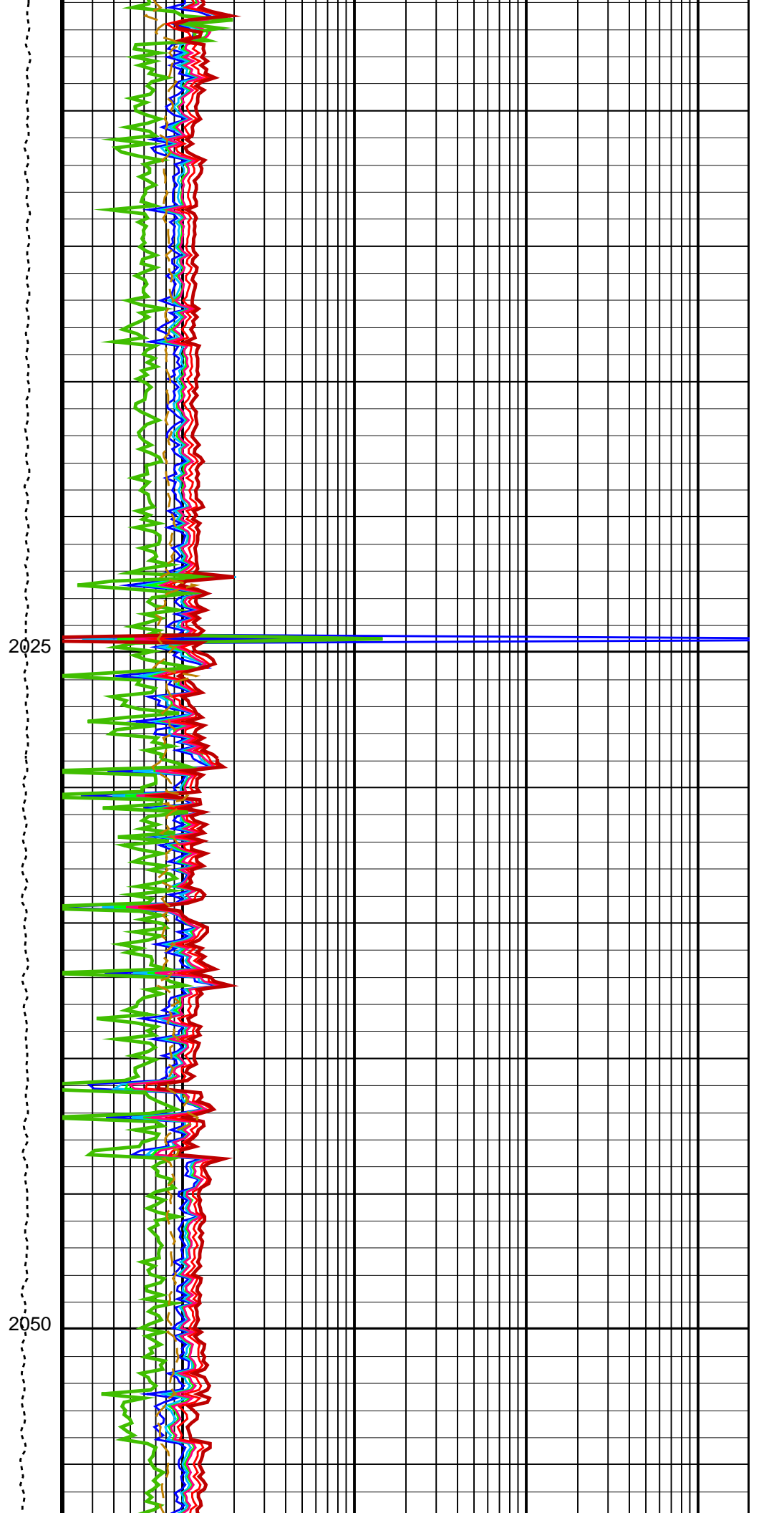
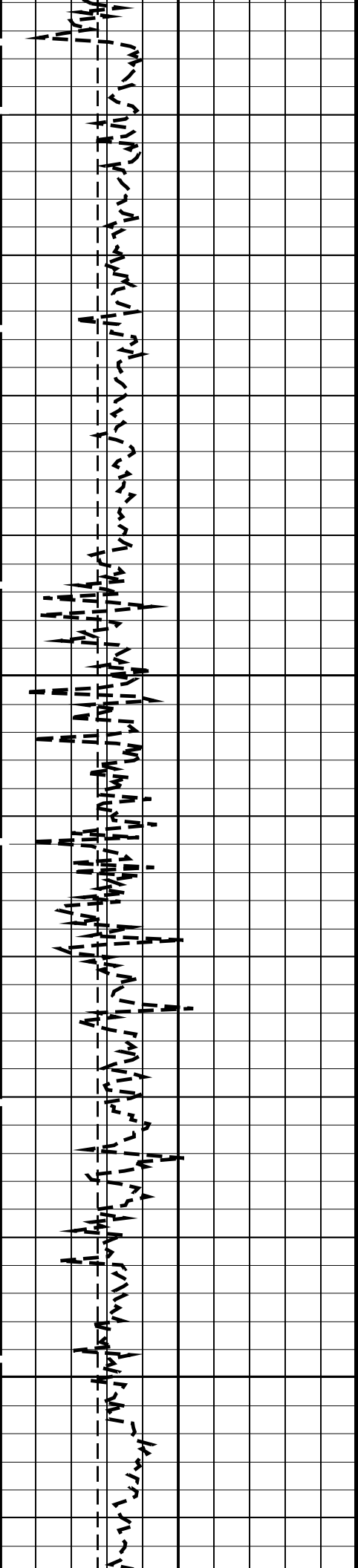


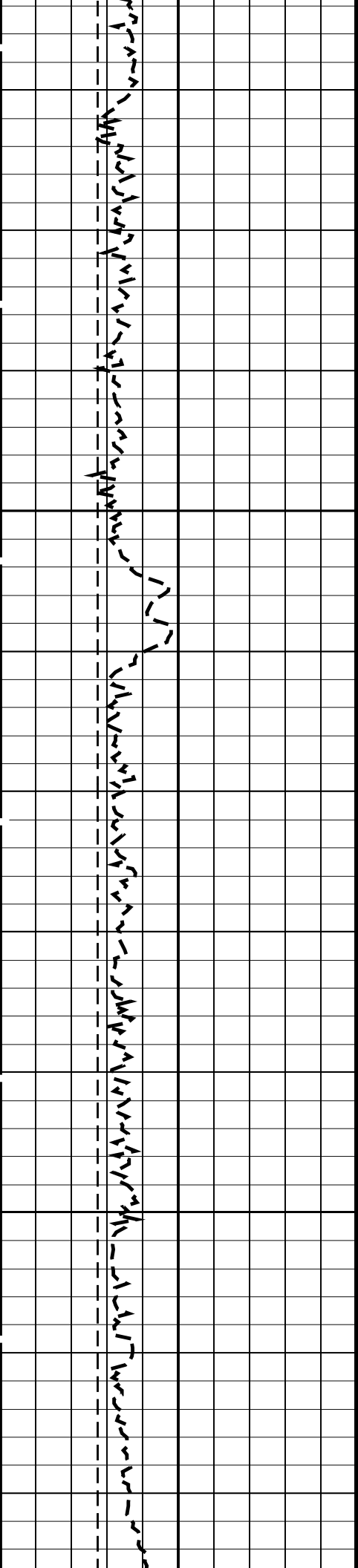
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1975

2000

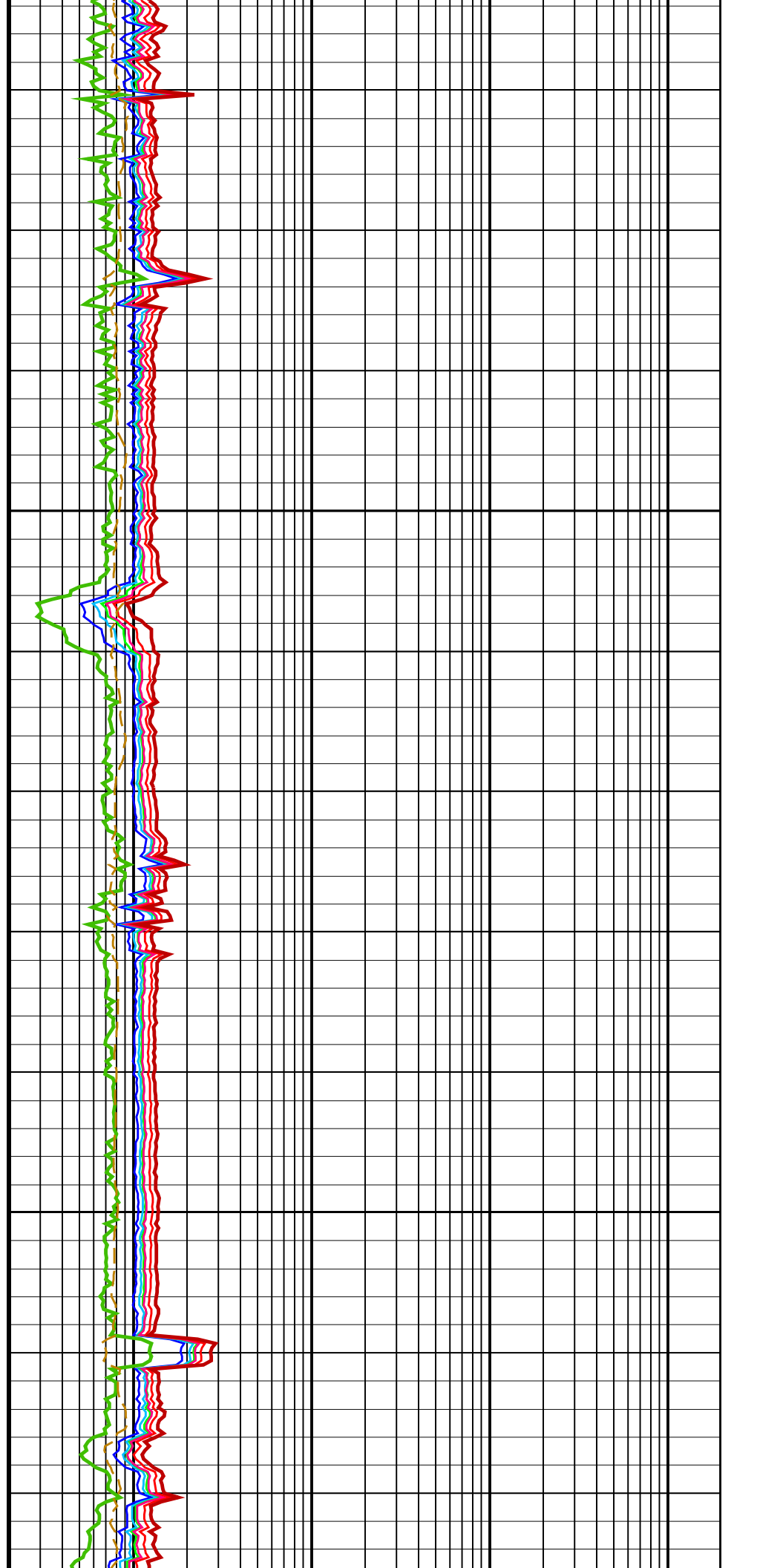


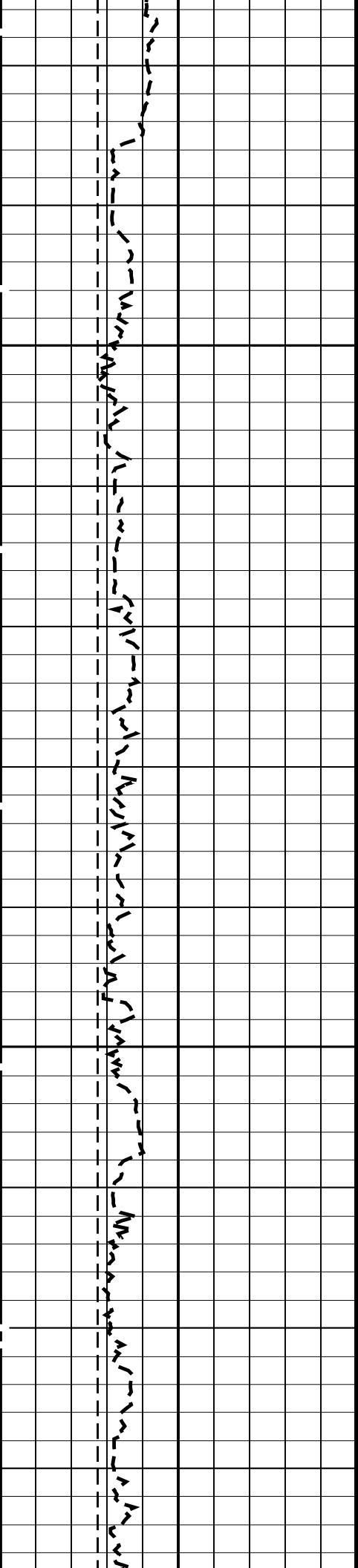




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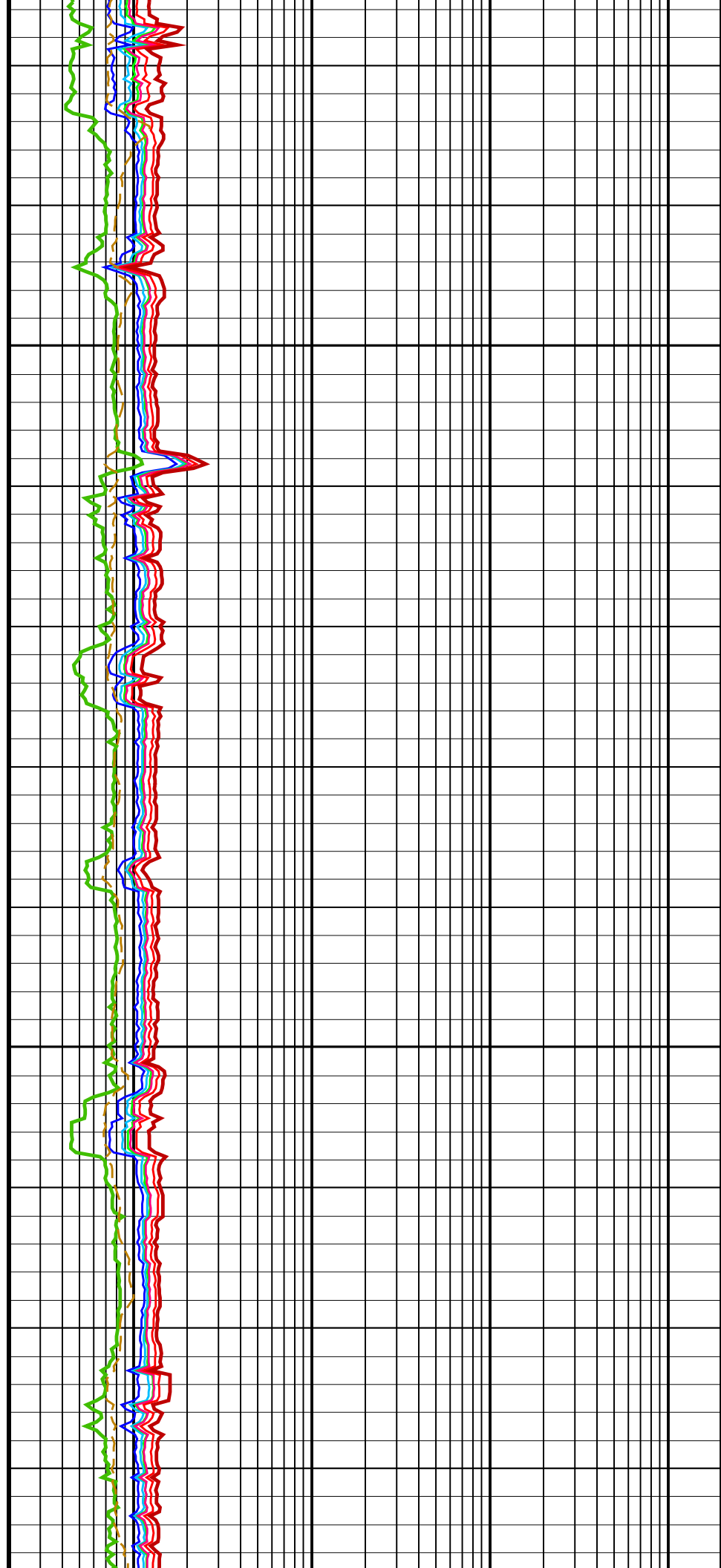
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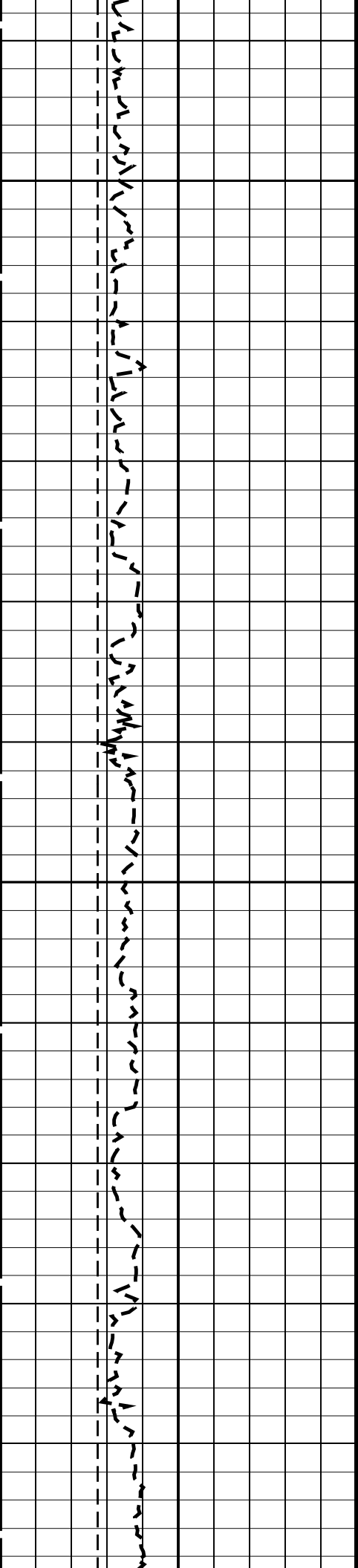




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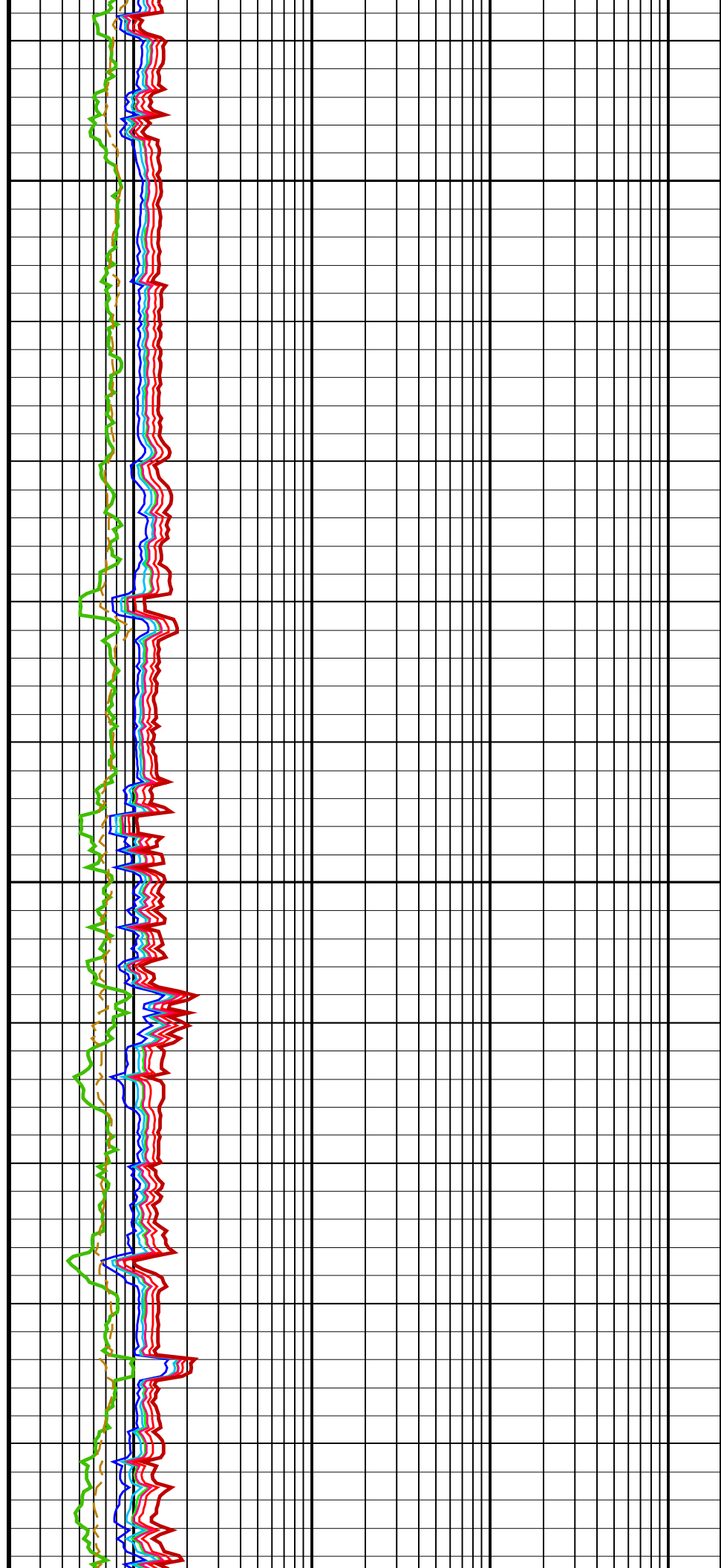
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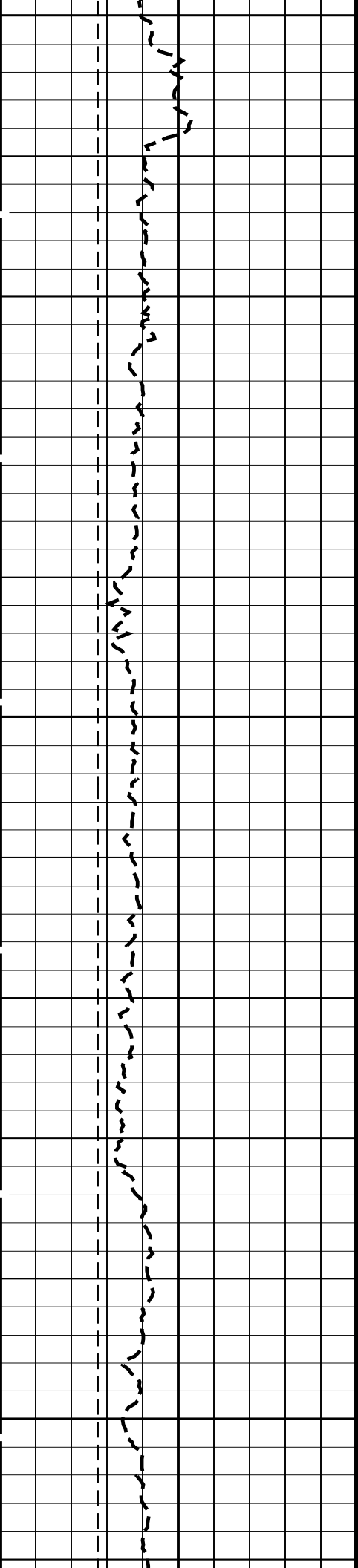




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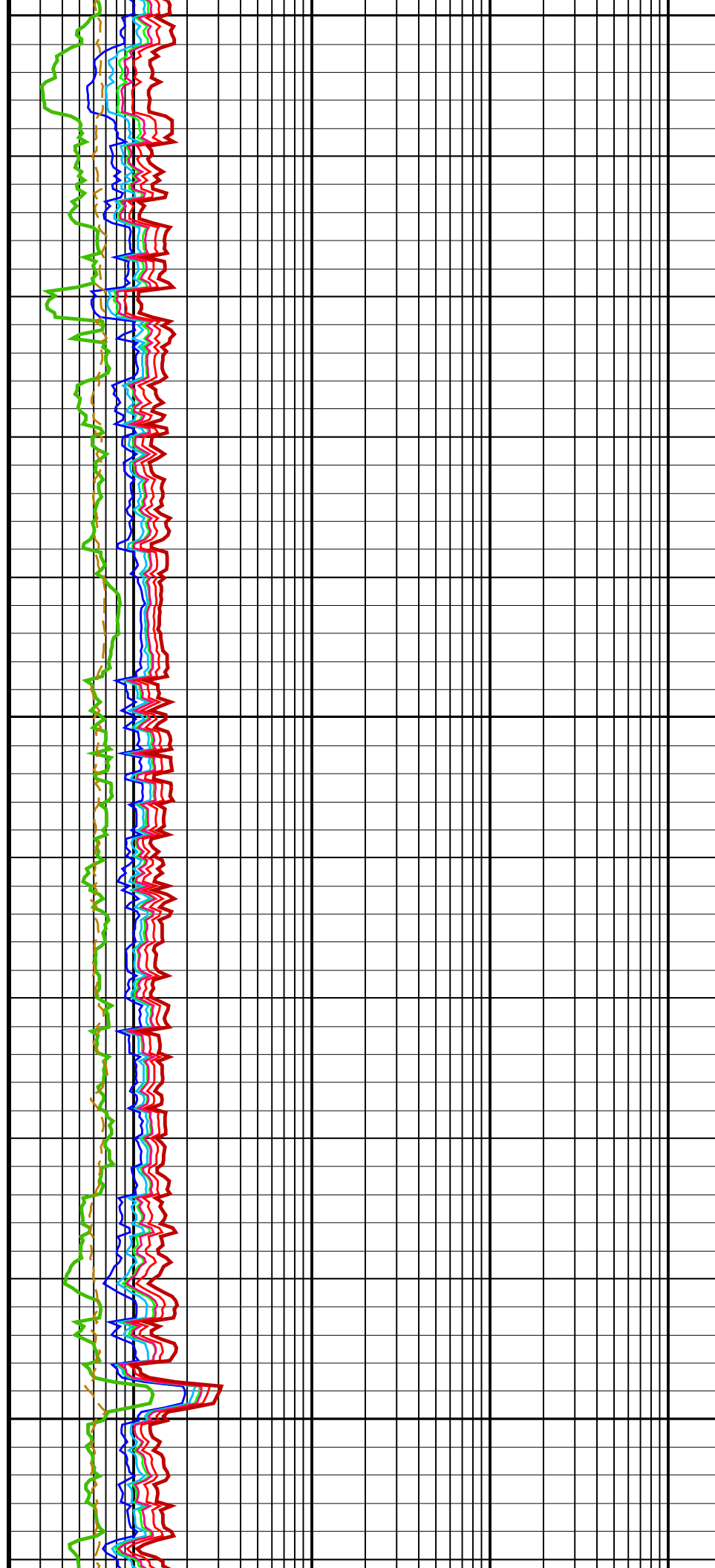


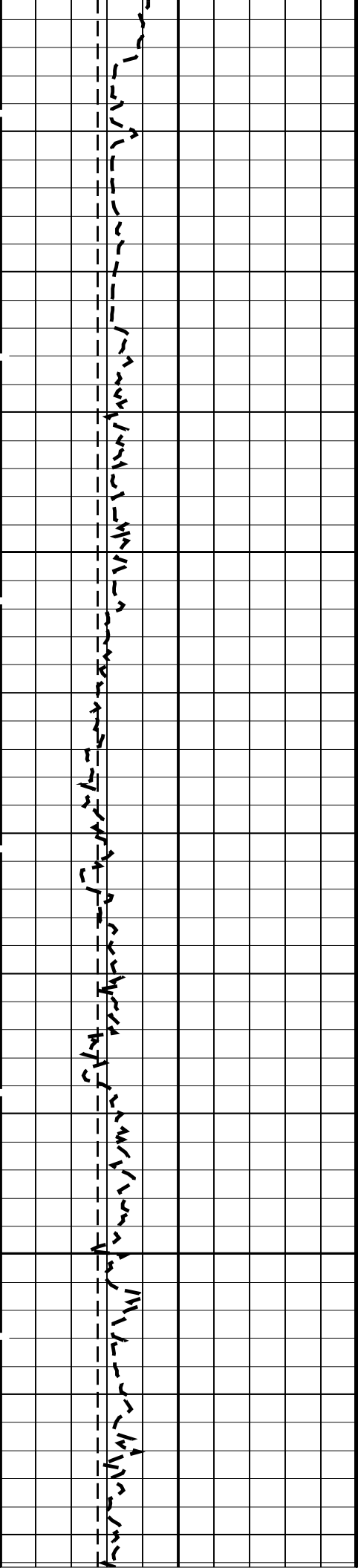


2225

2250

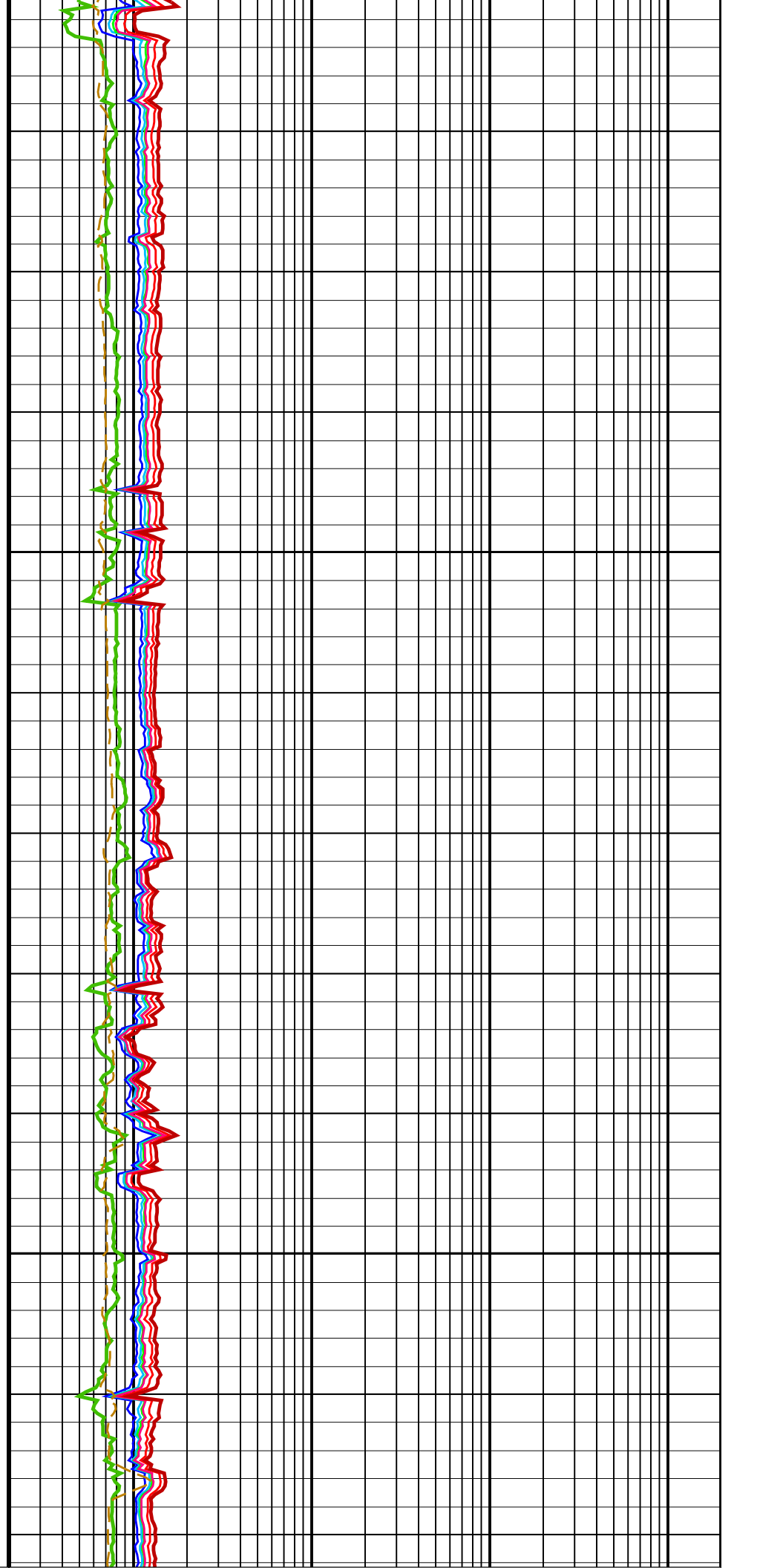
2275





2300

2325



6	Bit Size (BS)	26	Tension (TENS) (LBF)	HRLT Resistivity 1 (RLA1)		
	(IN)			0.2	(OHMM)	2000
			10000	0		
0	Invasion Diameter (DI_HRLT)	50	HRLT Resistivity 2 (RLA2)			
	(IN)		0.2	(OHMM)	2000	
			HRLT Resistivity 3 (RLA3)			
			0.2	(OHMM)	2000	
			HRLT Resistivity 4 (RLA4)			
			0.2	(OHMM)	2000	
			HRLT Resistivity 5 (RLA5)			
			0.2	(OHMM)	2000	
			HRLT Mud Resistivity (RM_HRLT)			
			0.02	(OHMM)	200	
			Invaded Zone Resistivity (RXO_HRLT)			
			0.2	(OHMM)	2000	
			HRLT True Resistivity (RT_HRLT)			
			0.2	(OHMM)	2000	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
HRLT-B: High Resolution Laterolog Array – B			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROCINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSP0	Sonde Position	Centered	
SHT	Surface Hole Temperature	68	DEGF
HNGB-BA: Hostile Natural Gamma Ray Sonde			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
EDTC-B: Enhanced DTS Cartridge			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
MST	Mud Sample Temperature	23.00	DEGC
PP	Playback Processing	NORMAL	
TD	Total Depth	10190.3	FT



MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

Input DLIS Files					
DEFAULT	Flip_MSS_LDEO_DSI_005LUP	PRODUCER	09-Sep-2023 03:13	2334.0 M	1908.8 M
Output DLIS Files					
DEFAULT	MSS_LDEO_DSI_HRLA_008PUP	FN:6	PRODUCER	09-Sep-2023 04:43	

Company: International Ocean Discovery Program

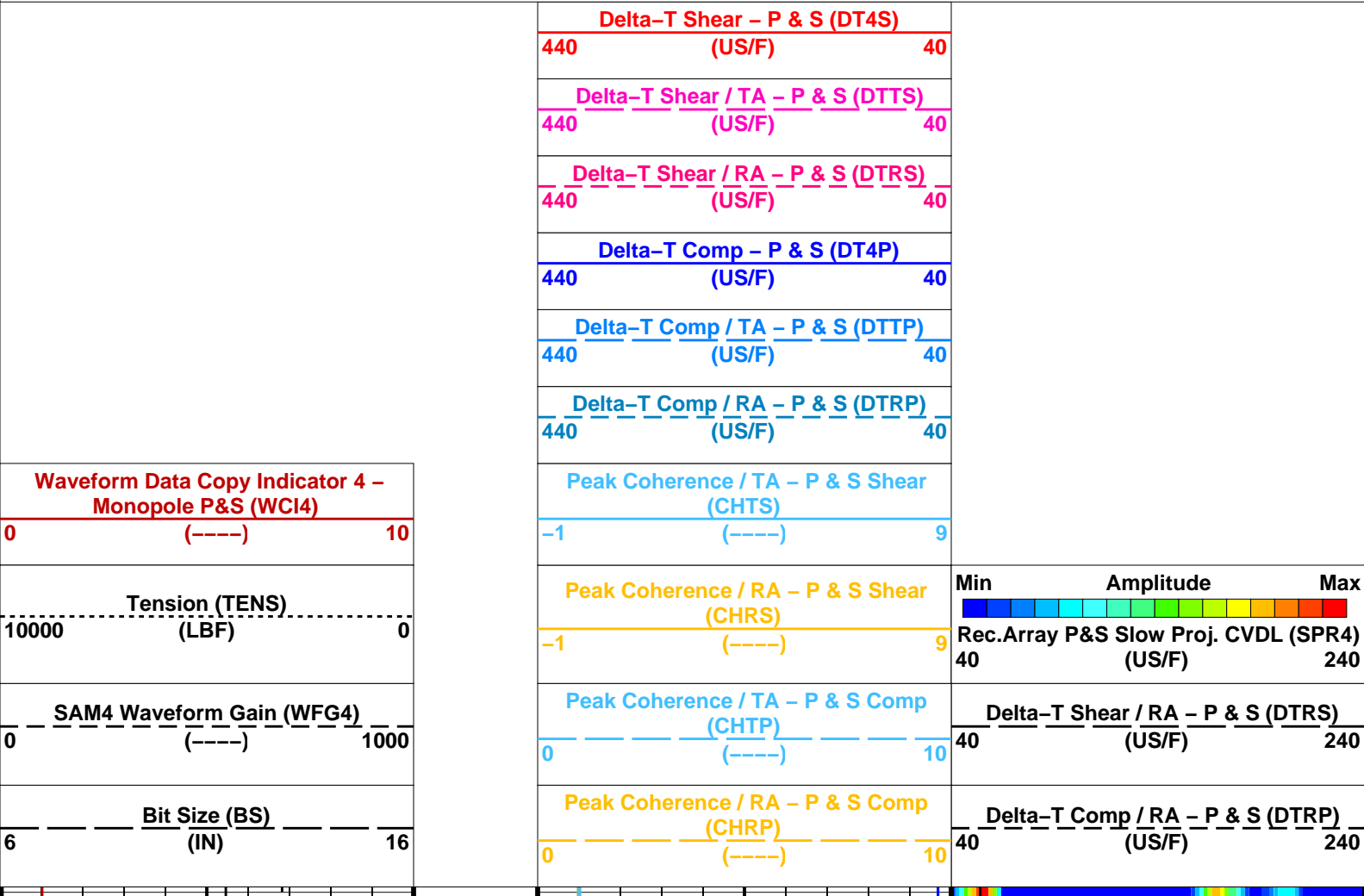
Well: Expedition 400, Site U1604B

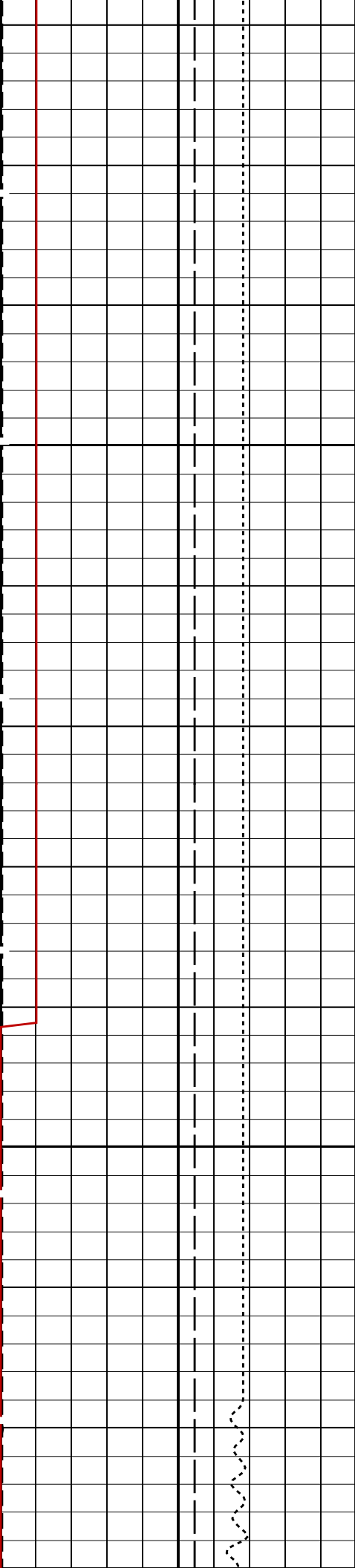
Input DLIS Files					
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Output DLIS Files					
DEFAULT	MSS_LDEO_DSI_HRLA_008PUP	FN:6	PRODUCER	09-Sep-2023 04:43	2336.1 M

OP System Version: 19C0-187					
MSS_LDEO-A	19C0-187	DSST-B	19C0-187		
HRLT-B	19C0-187	HLDS	19C0-187		
LDSC-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	EDTC-B	19C0-187		

PIP SUMMARY

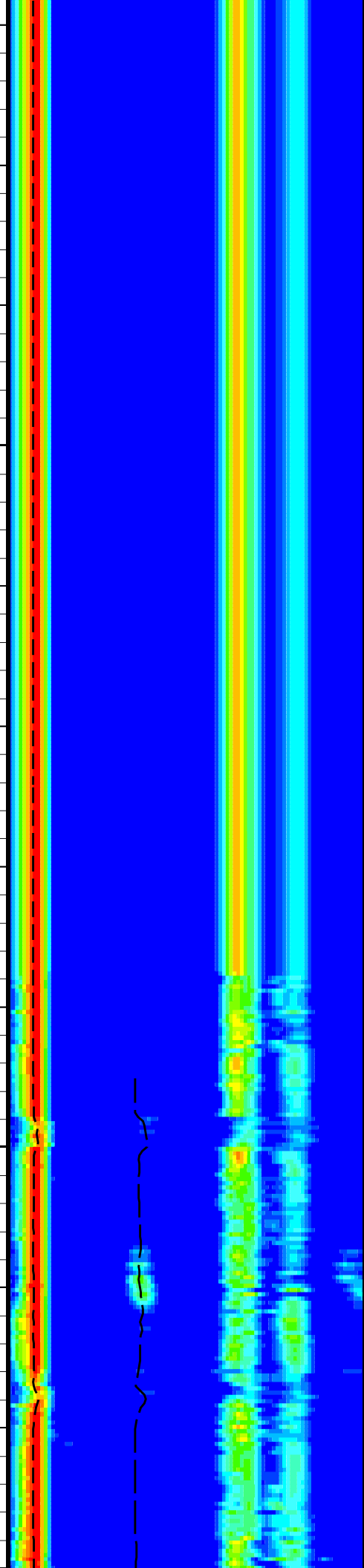
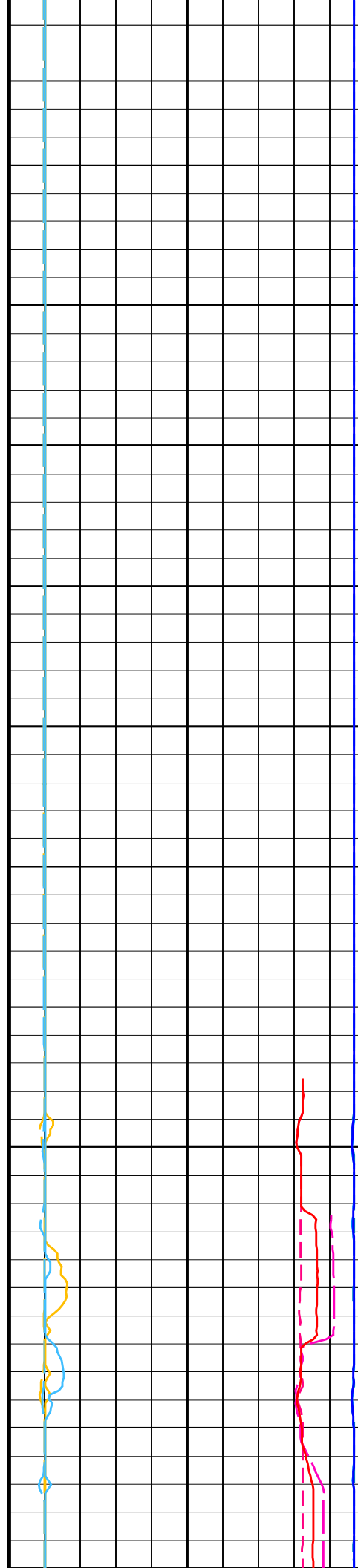
Time Mark Every 60 S

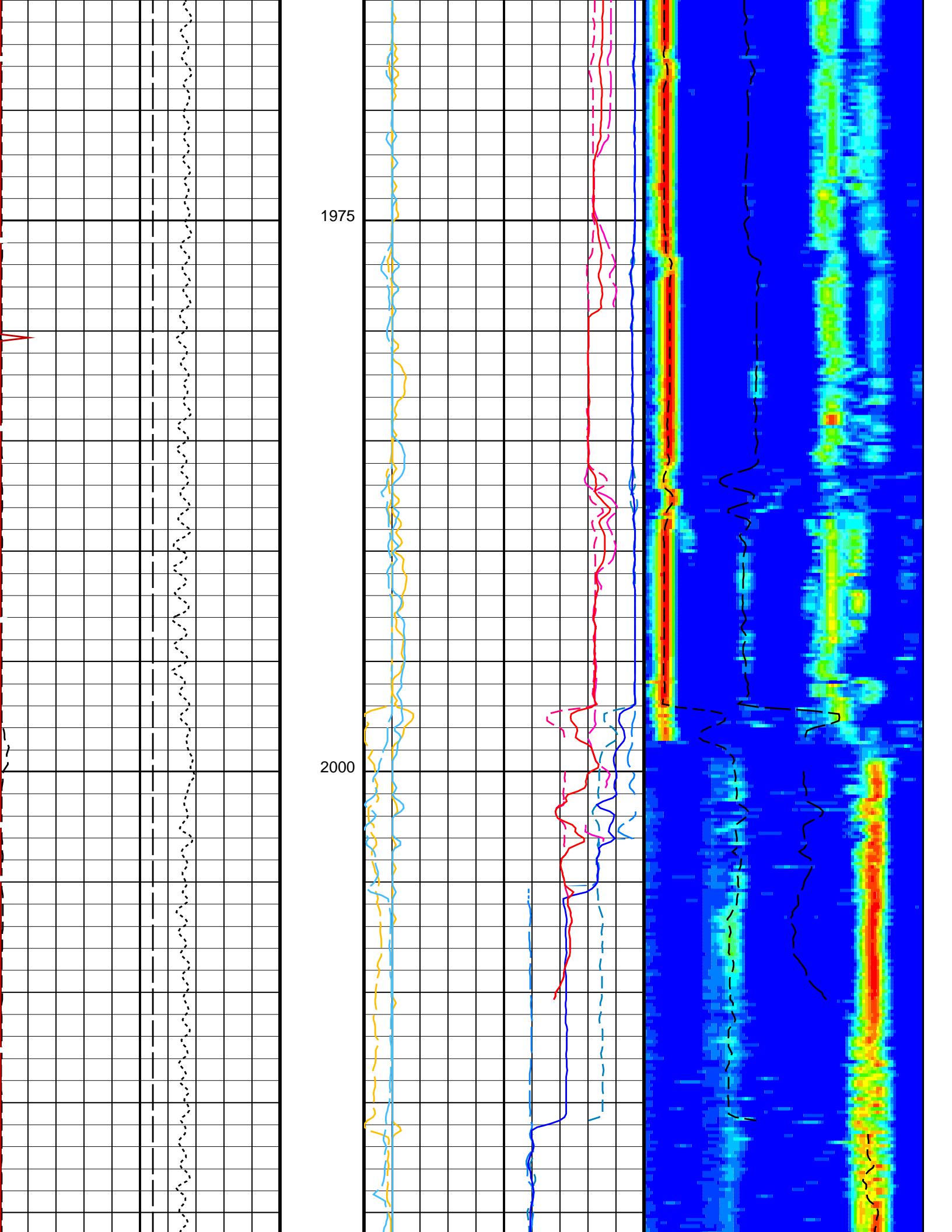


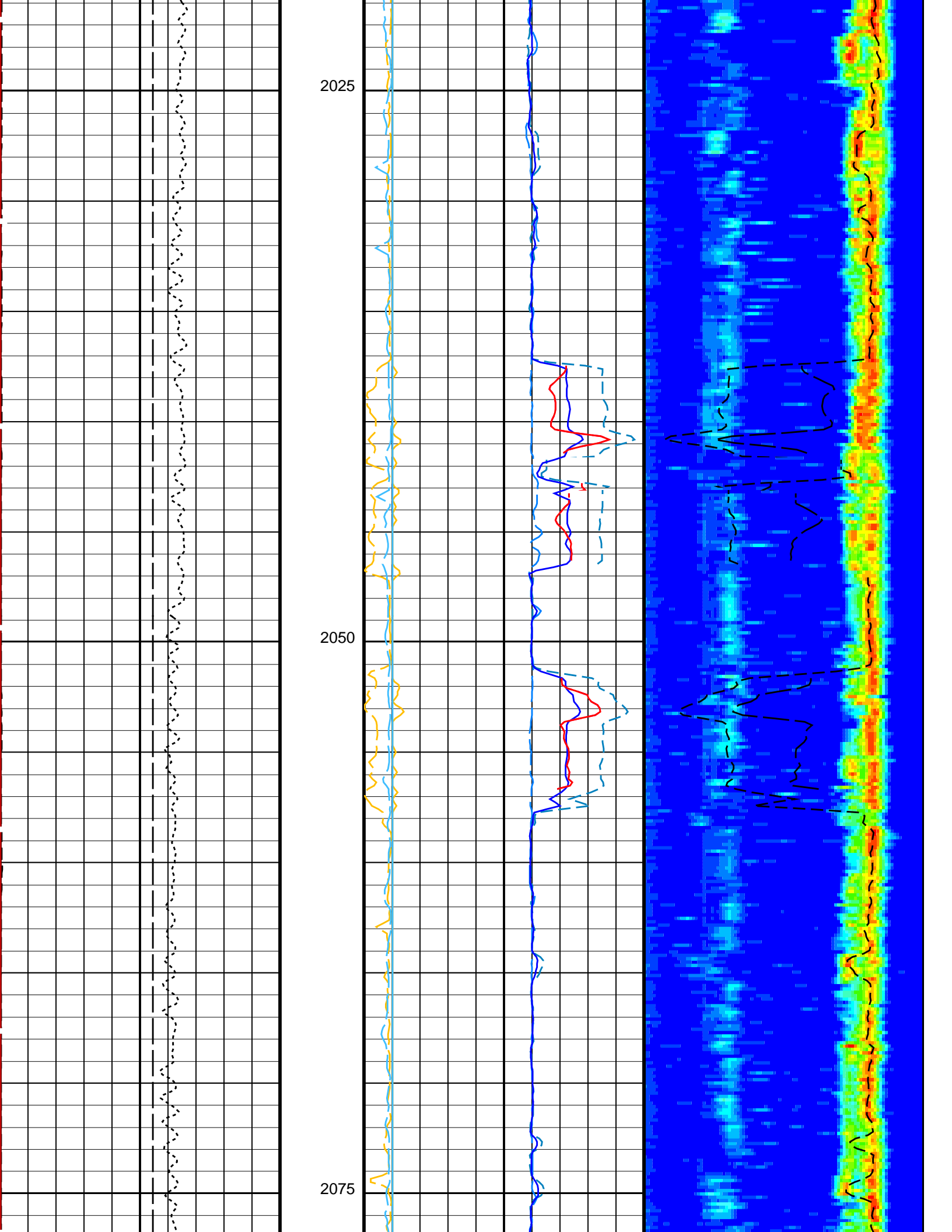


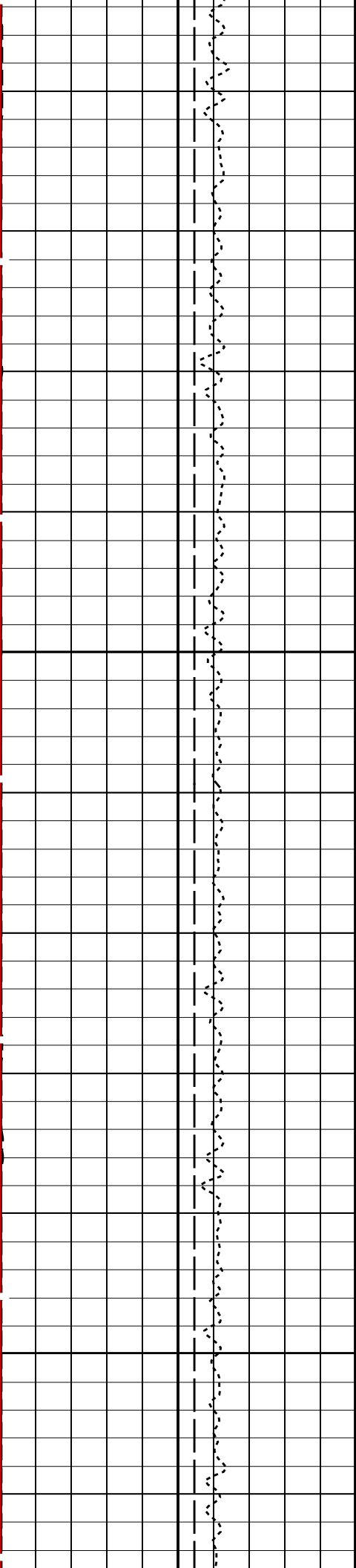
1925

1950



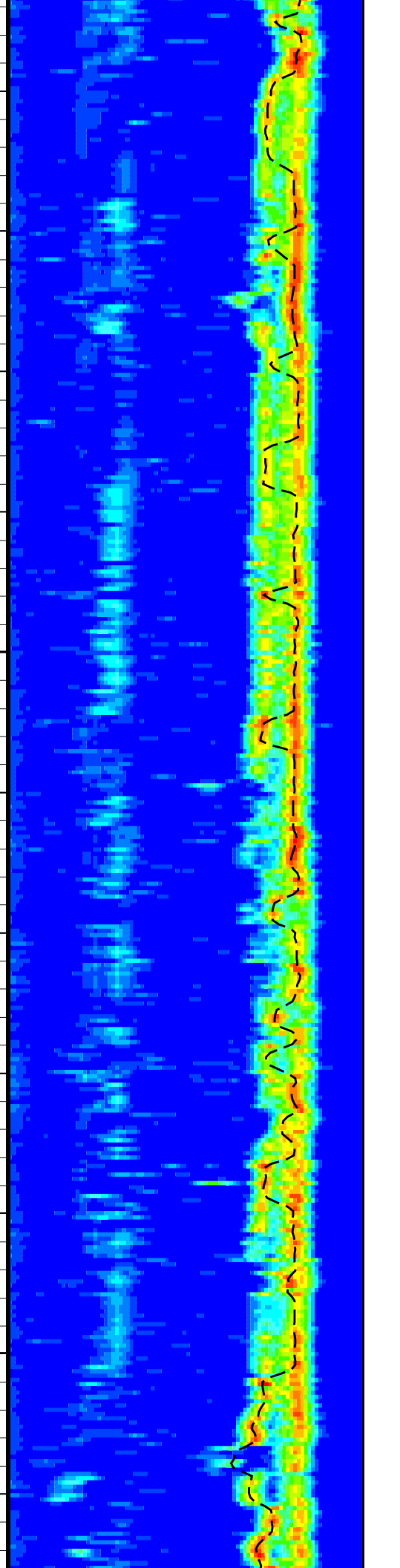
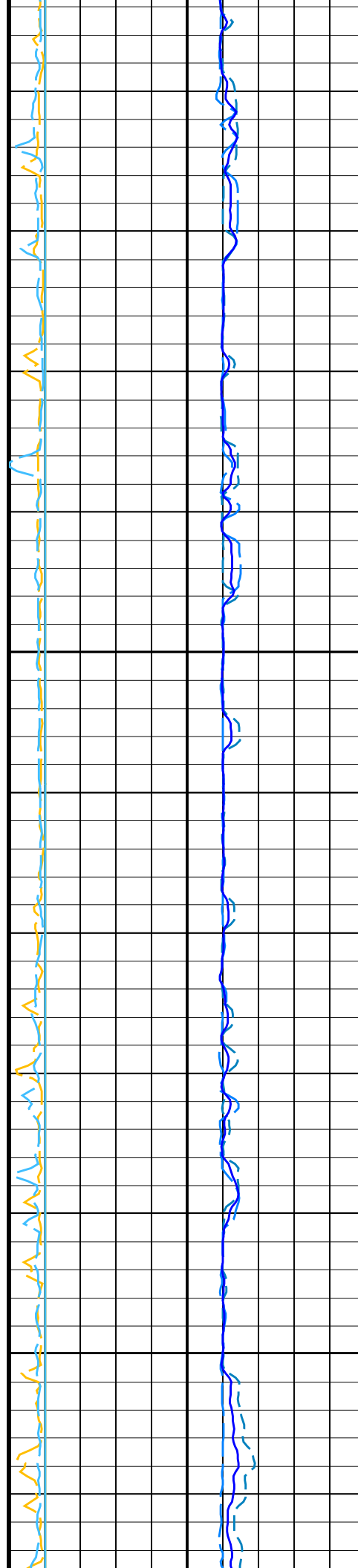


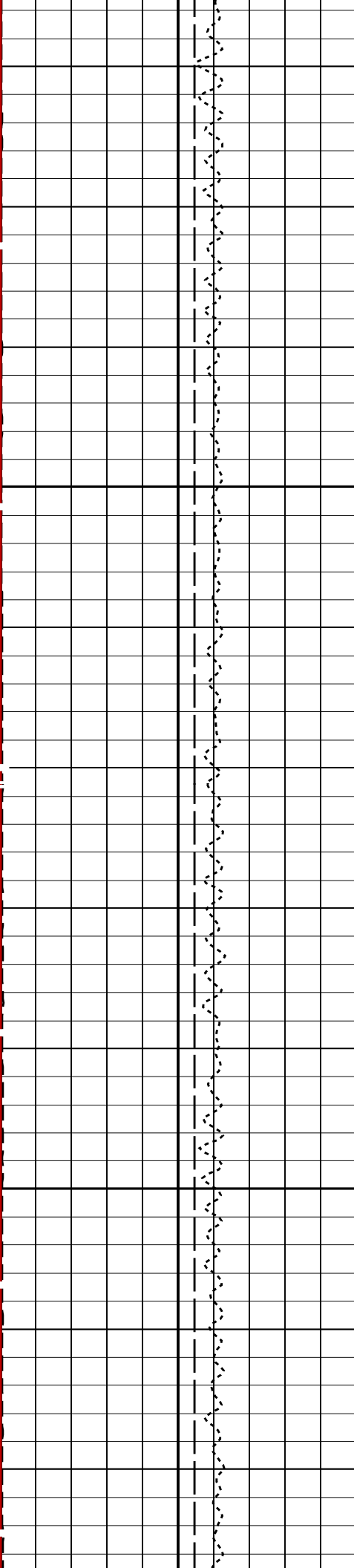




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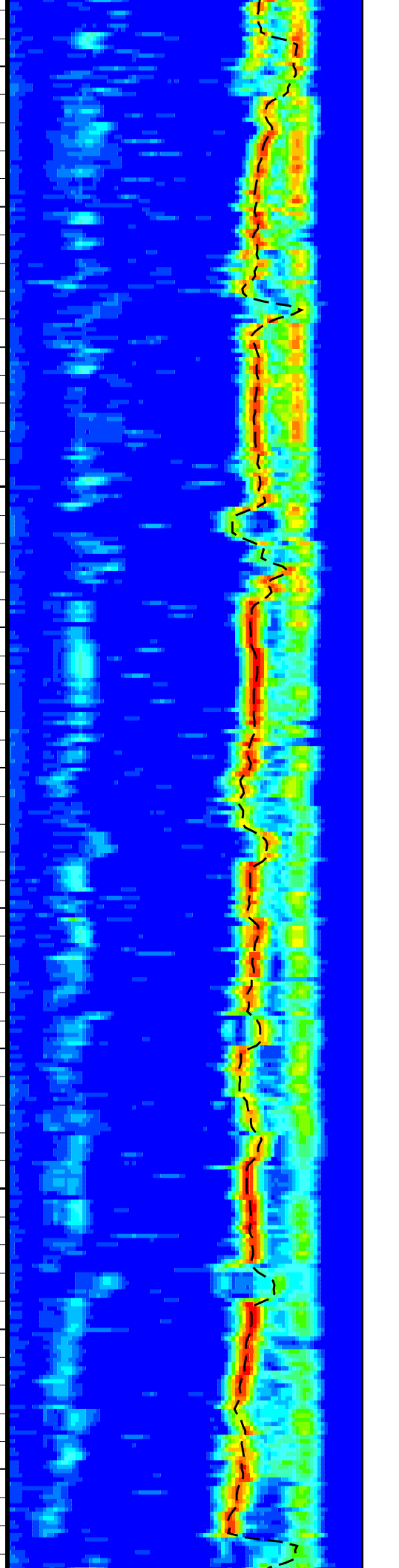
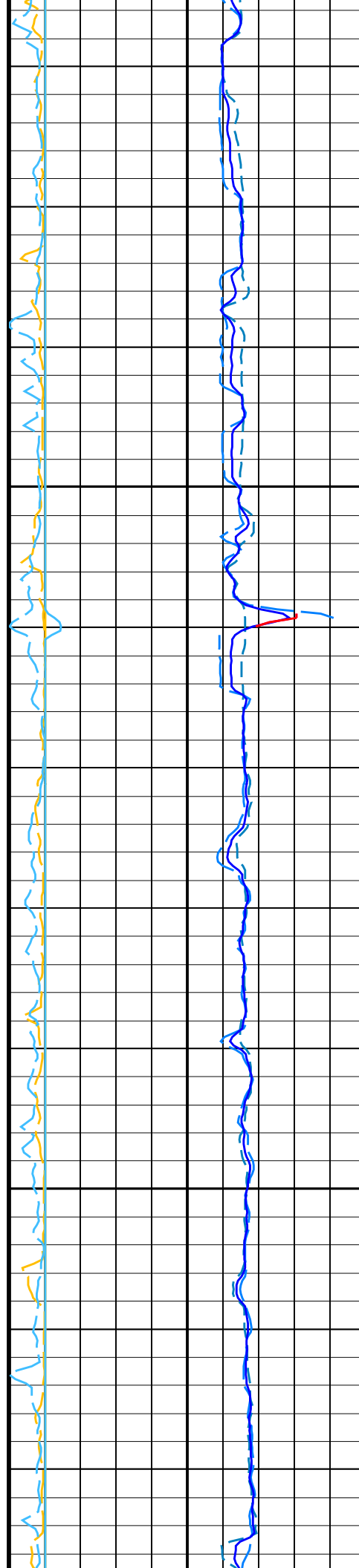
2125

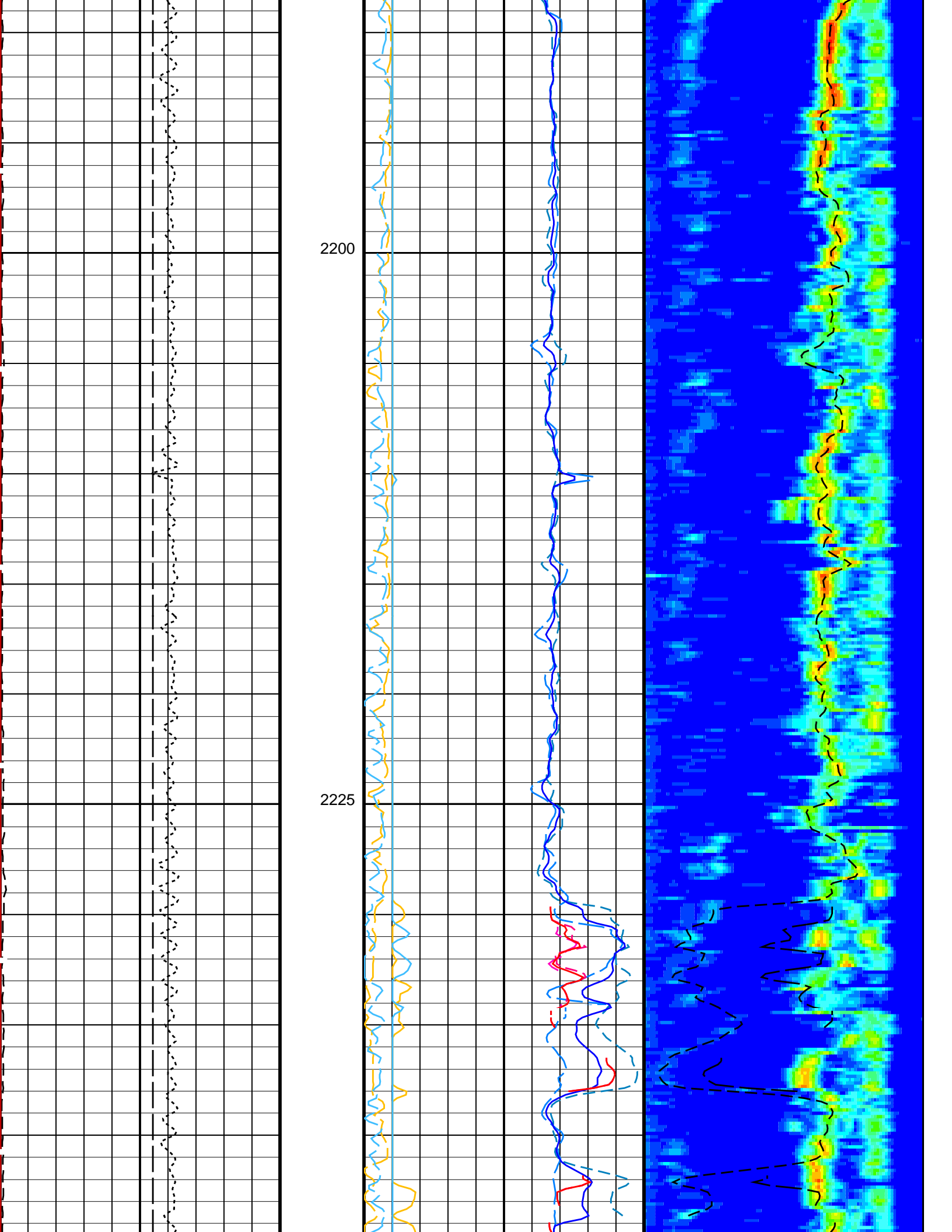


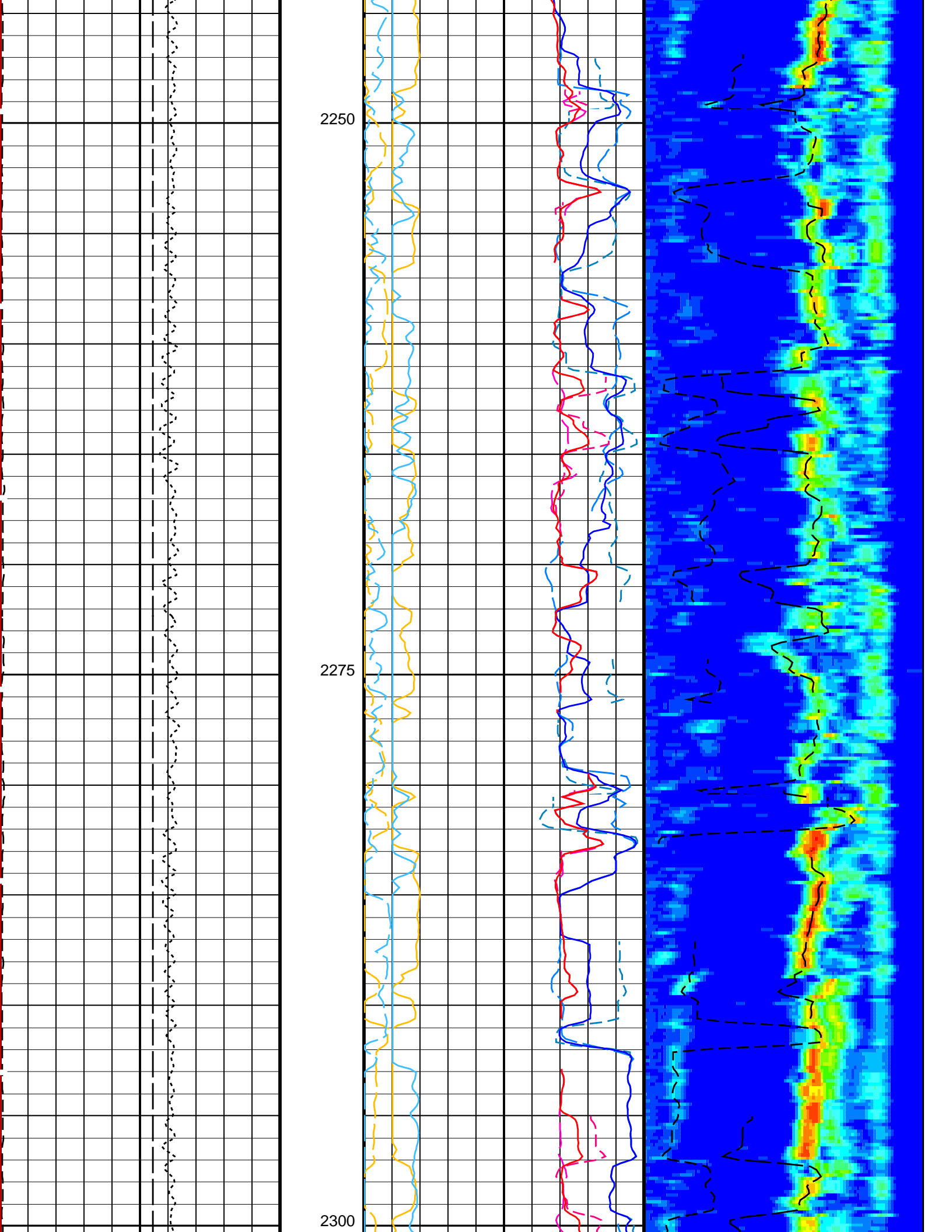


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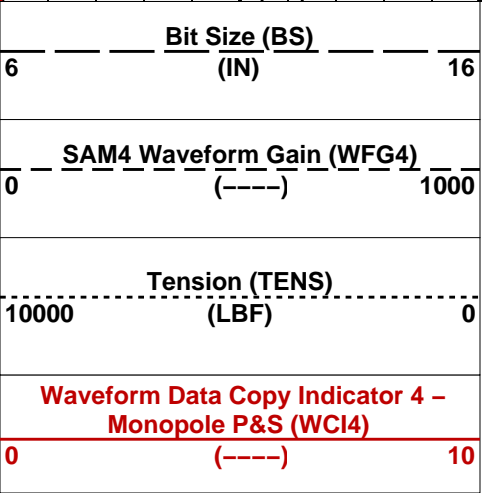
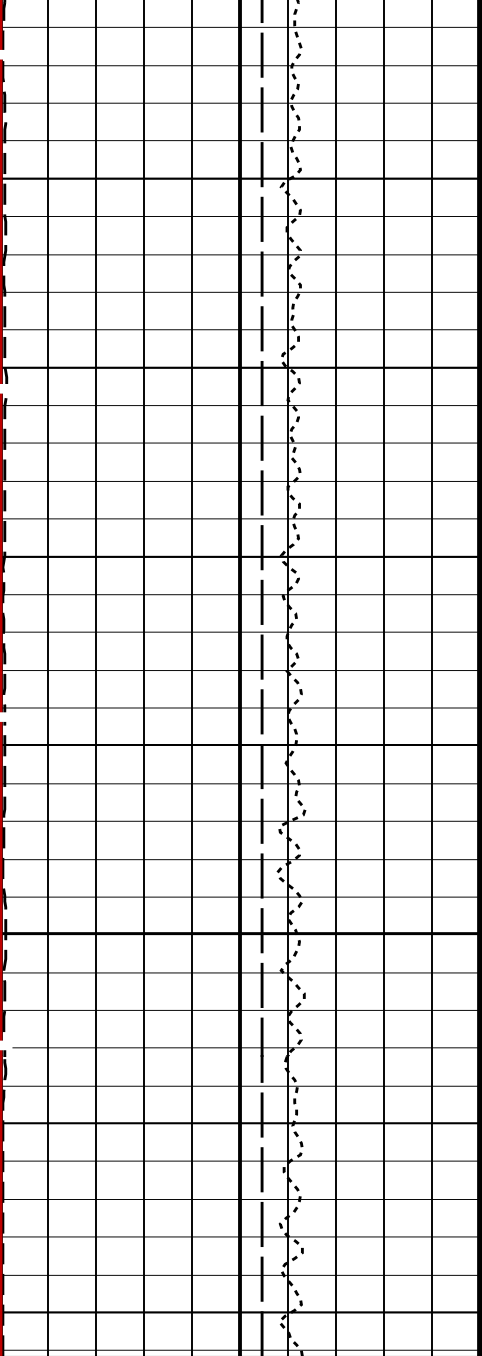
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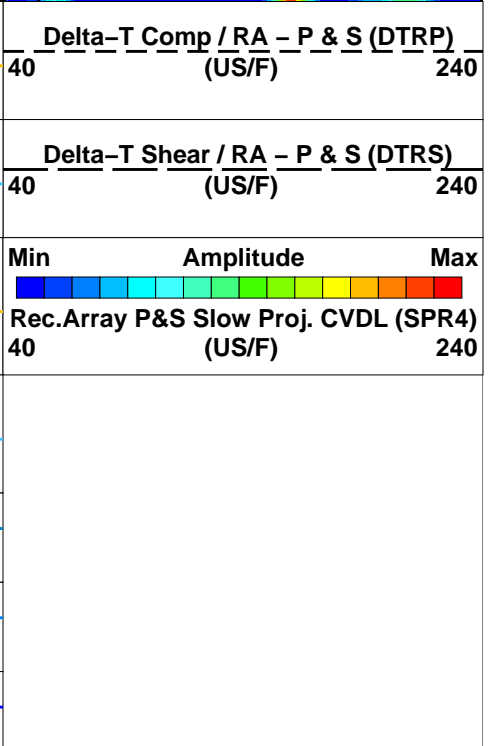
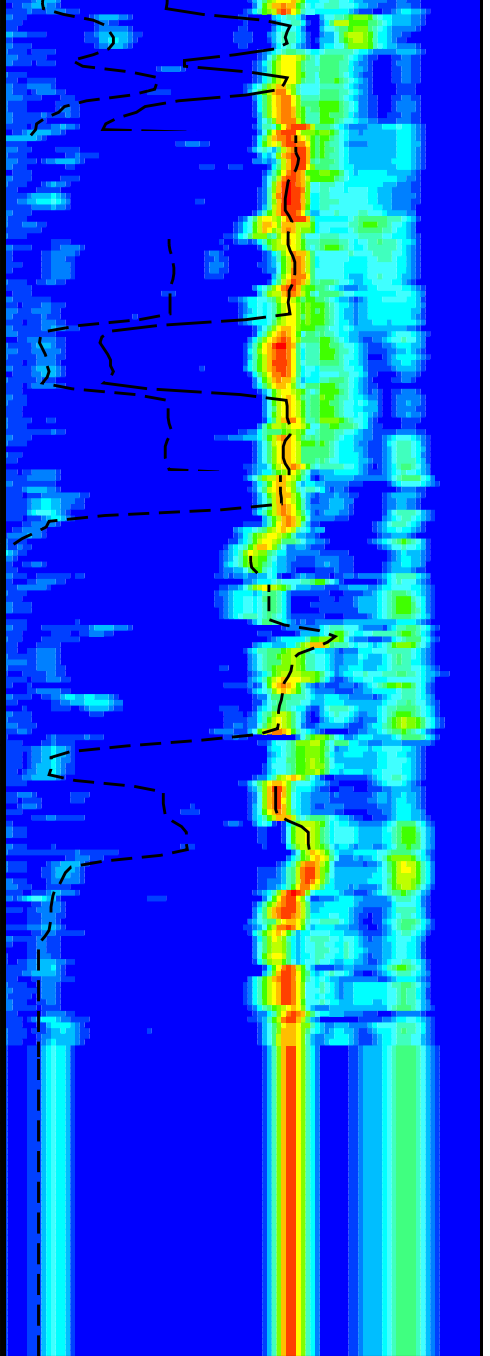
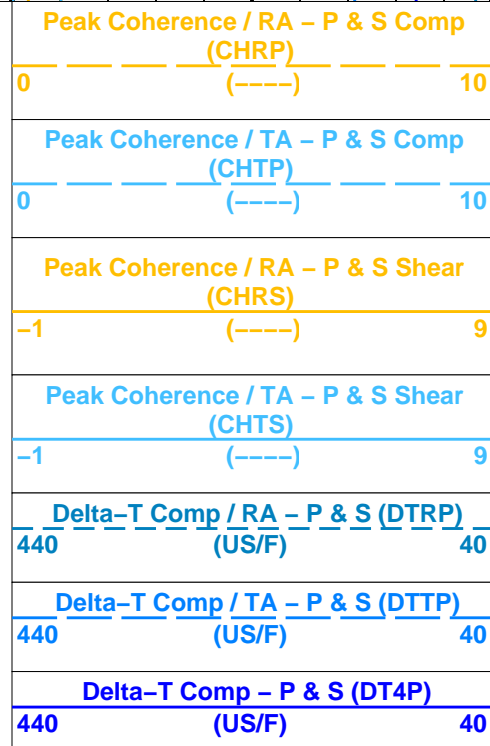
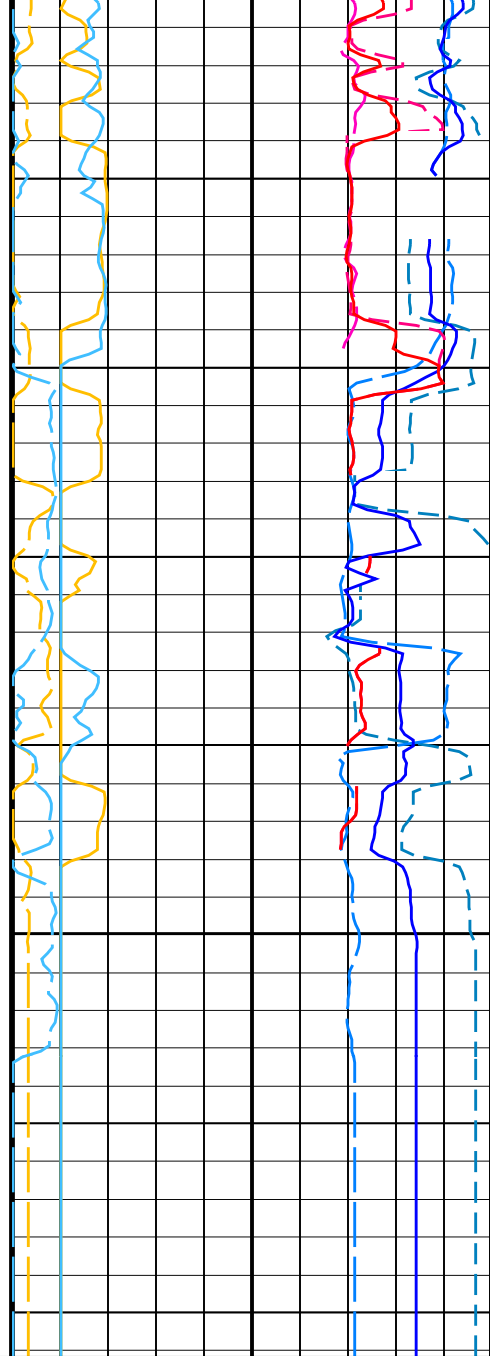








2325



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

## PIP SUMMARY

Time Mark Every 60 S

## Parameters

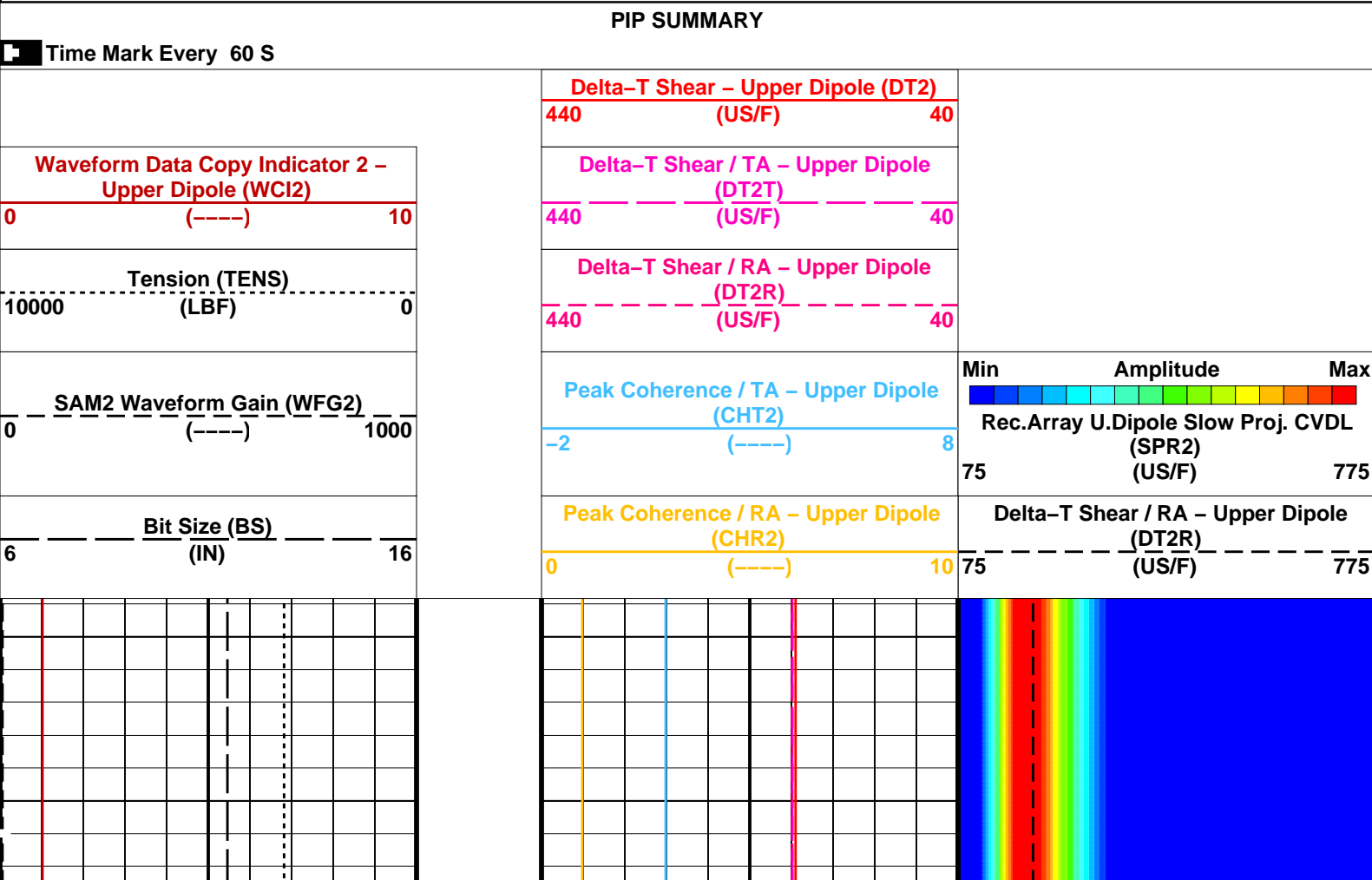
DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
CASF	Label Casing Function – Monopole P&S	50	
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	40	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	240	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta–T Fluid	189	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control – Monopole P&S	COMP_SHEAR	
LFC	Label Formation Character – Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	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	LFD_ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status – Monopole P&S	255	
SBO4	STC Search Band Offset – Monopole P&S	500	US
SBR4	STC Baseline Removal – Monopole P&S	ON	
SBW4	STC Search Bandwidth – Monopole P&S	2000	US
SFC4	STC Formation Character – Monopole P&S	SELECTABLE	
SFM4	STC Filter – Monopole P&S	B3–12K	
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
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit – Monopole P&S	240	US/F
SWD4	STC Slowness Width – Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill – Monopole P&S	300	US
TLL4	STC Time Lower Limit – Monopole P&S	150	US
TST4	STC Time Step – Monopole P&S	50	US
TUL4	STC Time Upper Limit – Monopole P&S	3660	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BHS	Borehole Status	OPEN	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

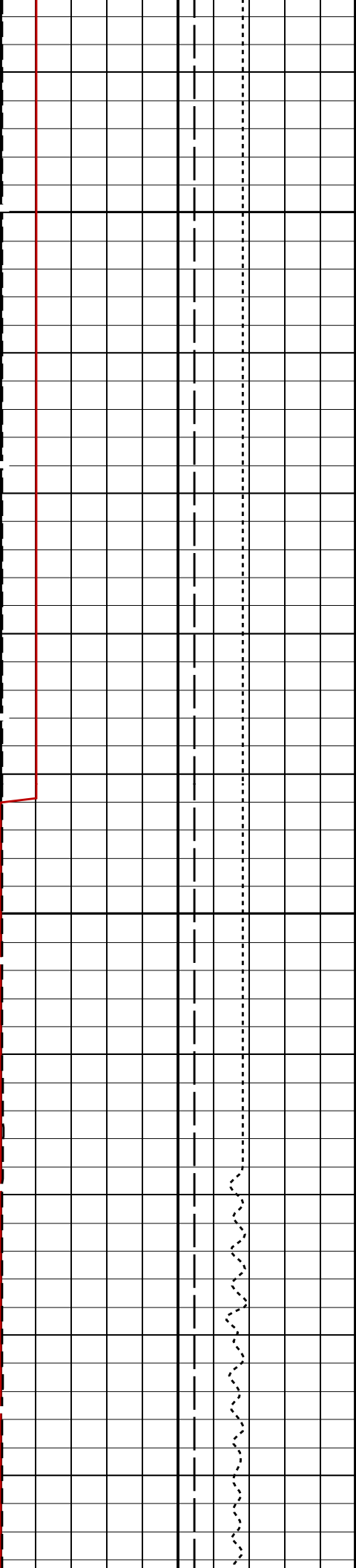
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OP System Version: 19C0-187					
MSS_LDEO-A	19C0-187	DSST-B	19C0-187		
HRLT-B	19C0-187	HLDS	19C0-187		
LDSC-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	EDTC-B	19C0-187		
Input DLIS Files					
DEFAULT	Flip_MSS_LDEO_DSI_005LUP	PRODUCER	09-Sep-2023 03:13	2334.0 M	1908.8 M
Output DLIS Files					
DEFAULT	MSS_LDEO_DSI_HRLA_008PUP	FN:6	PRODUCER	09-Sep-2023 04:43	

Company: International Ocean Discovery Program				Well: Expedition 400, Site U1604B		
Input DLIS Files						
DEFAULT	Flip_MSS_LDEO_DSI_005LUP	PRODUCER	09-Sep-2023 03:13	2334.0 M	1908.8 M	
Output DLIS Files						
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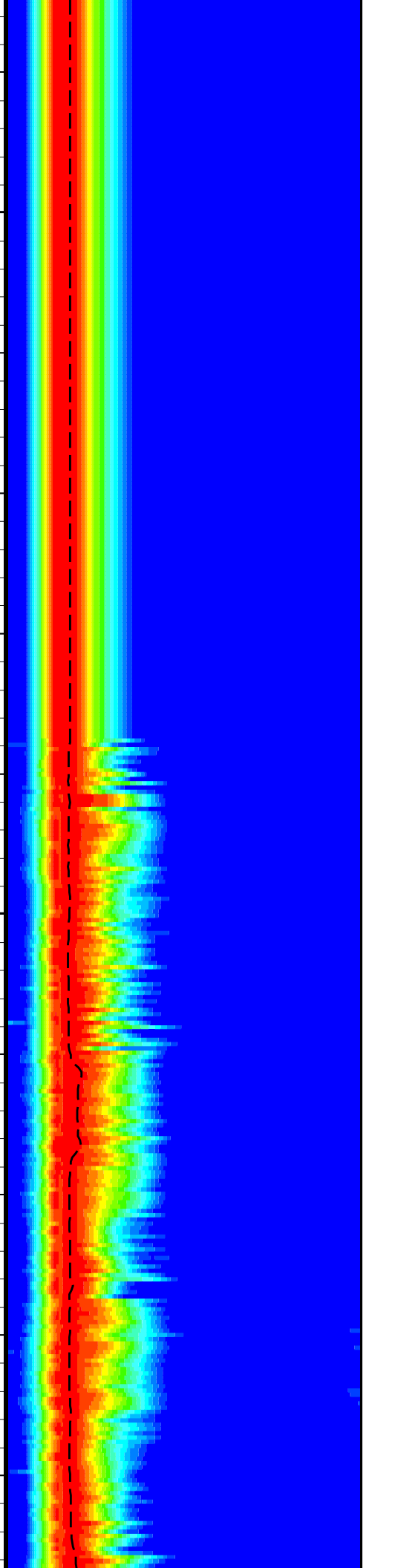
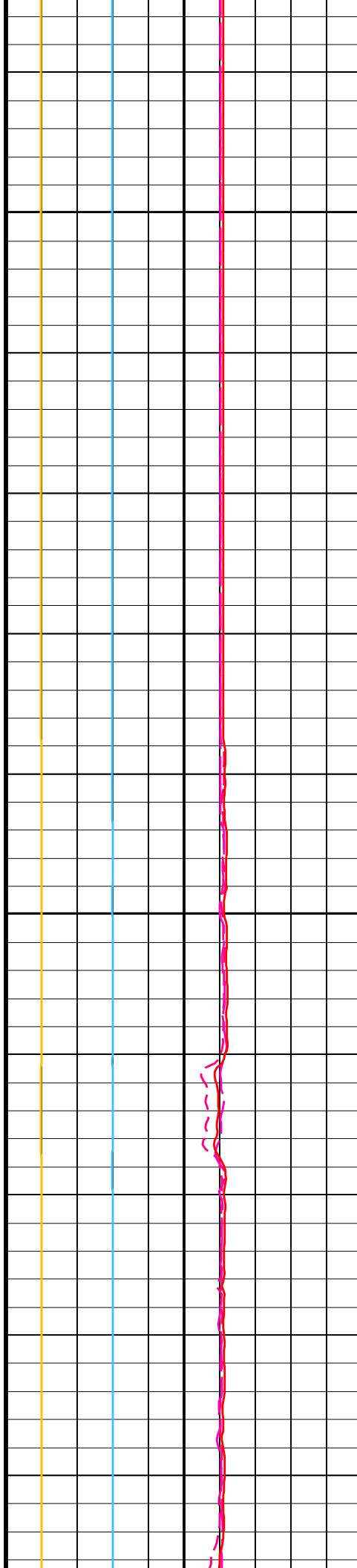
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MSS_LDEO-A	19C0-187	DSST-B	19C0-187		
HRLT-B	19C0-187	HLDS	19C0-187		
LDSC-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	EDTC-B	19C0-187		

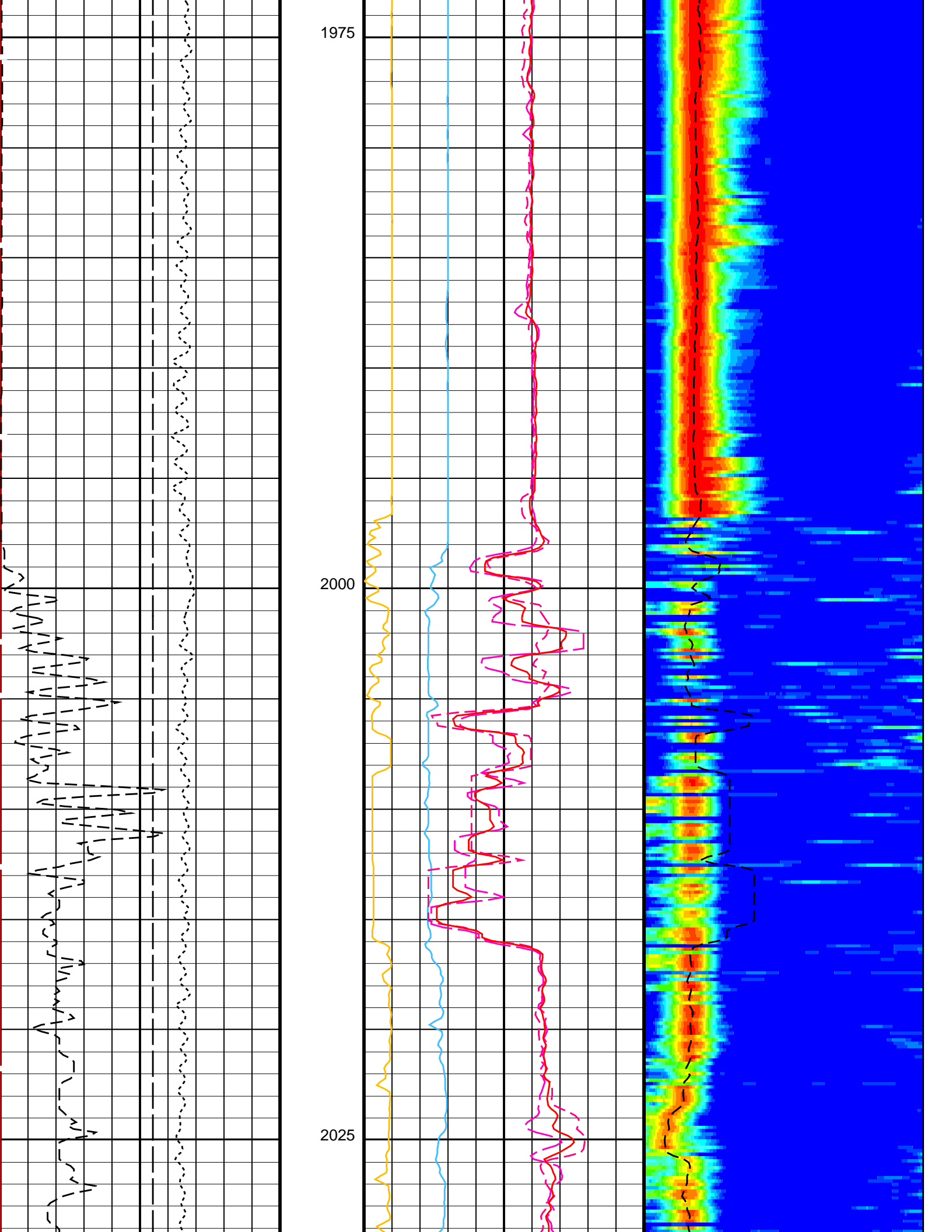


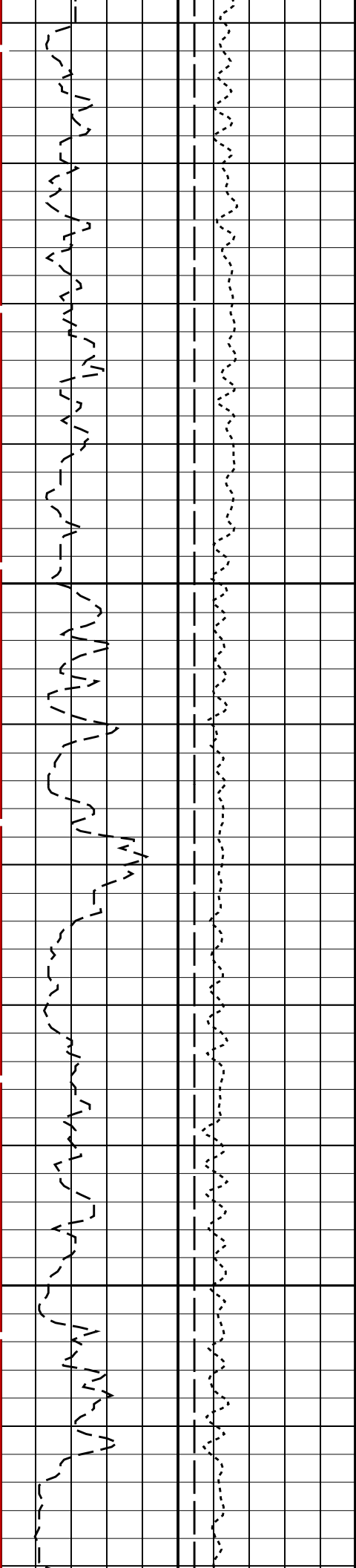


1925

1950

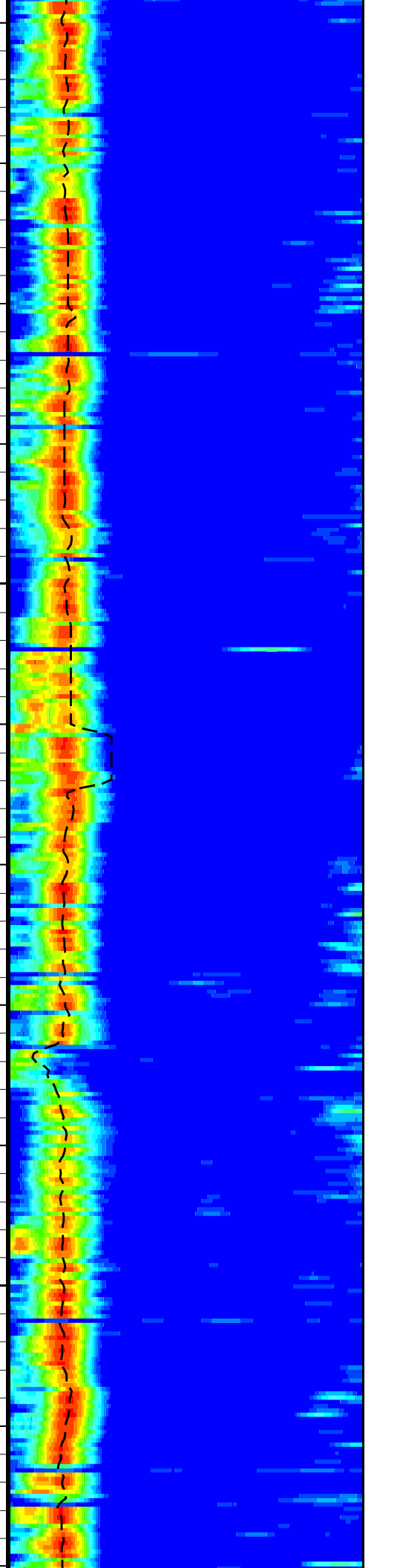
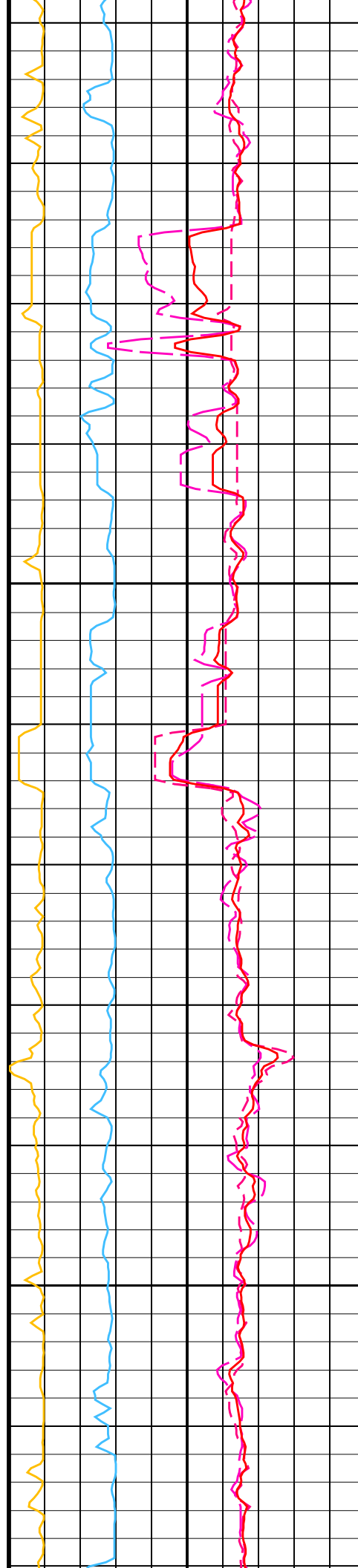


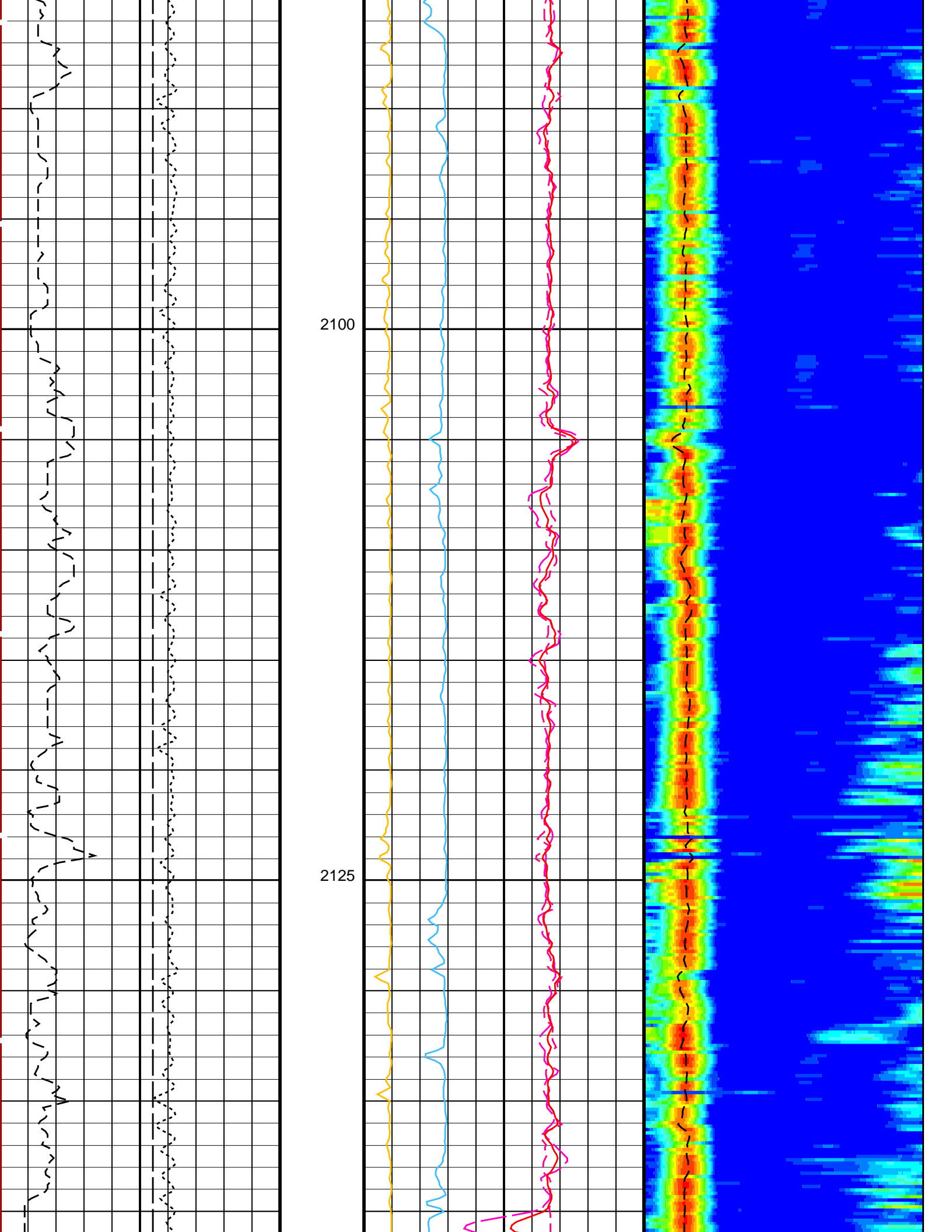


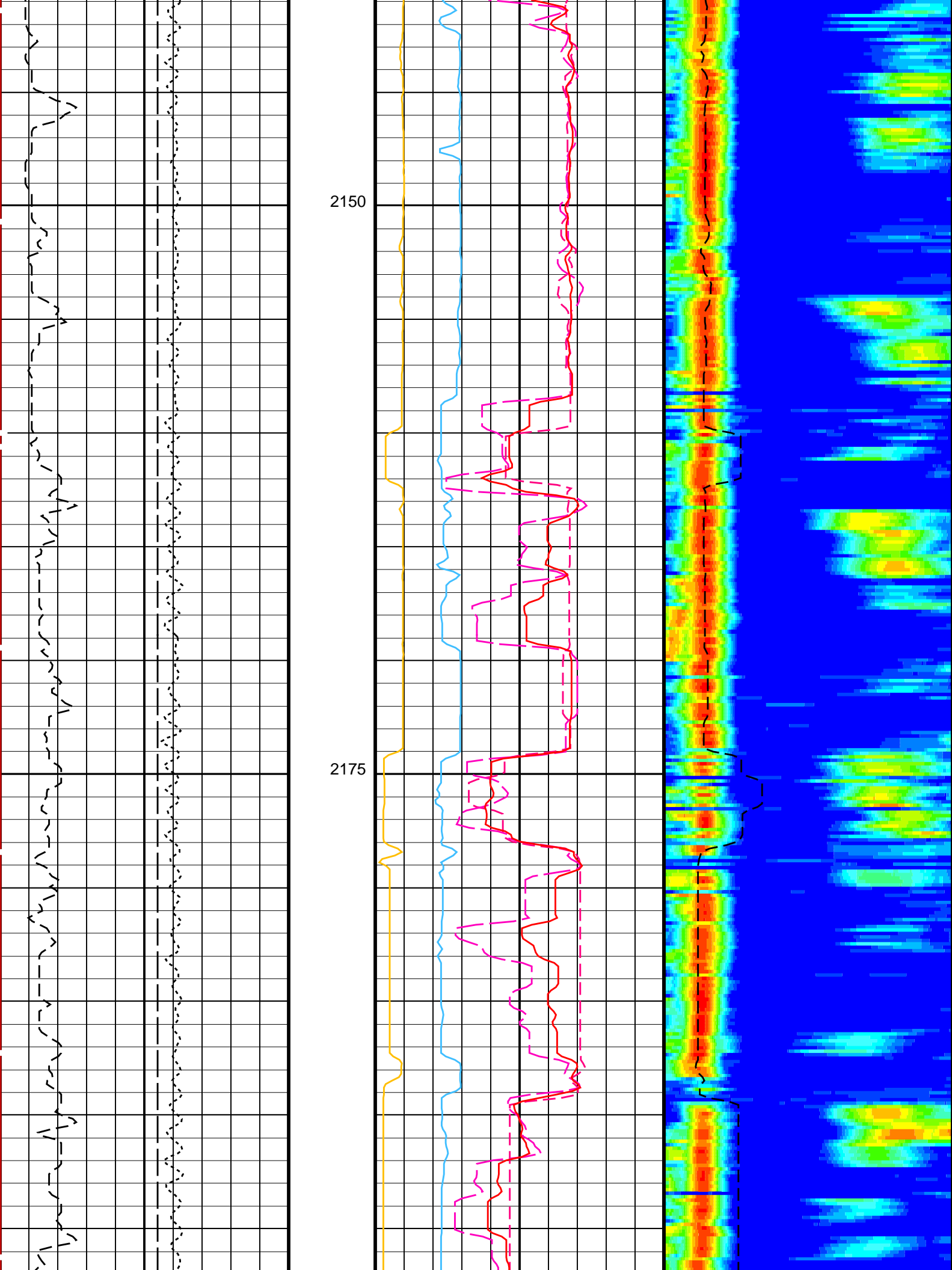


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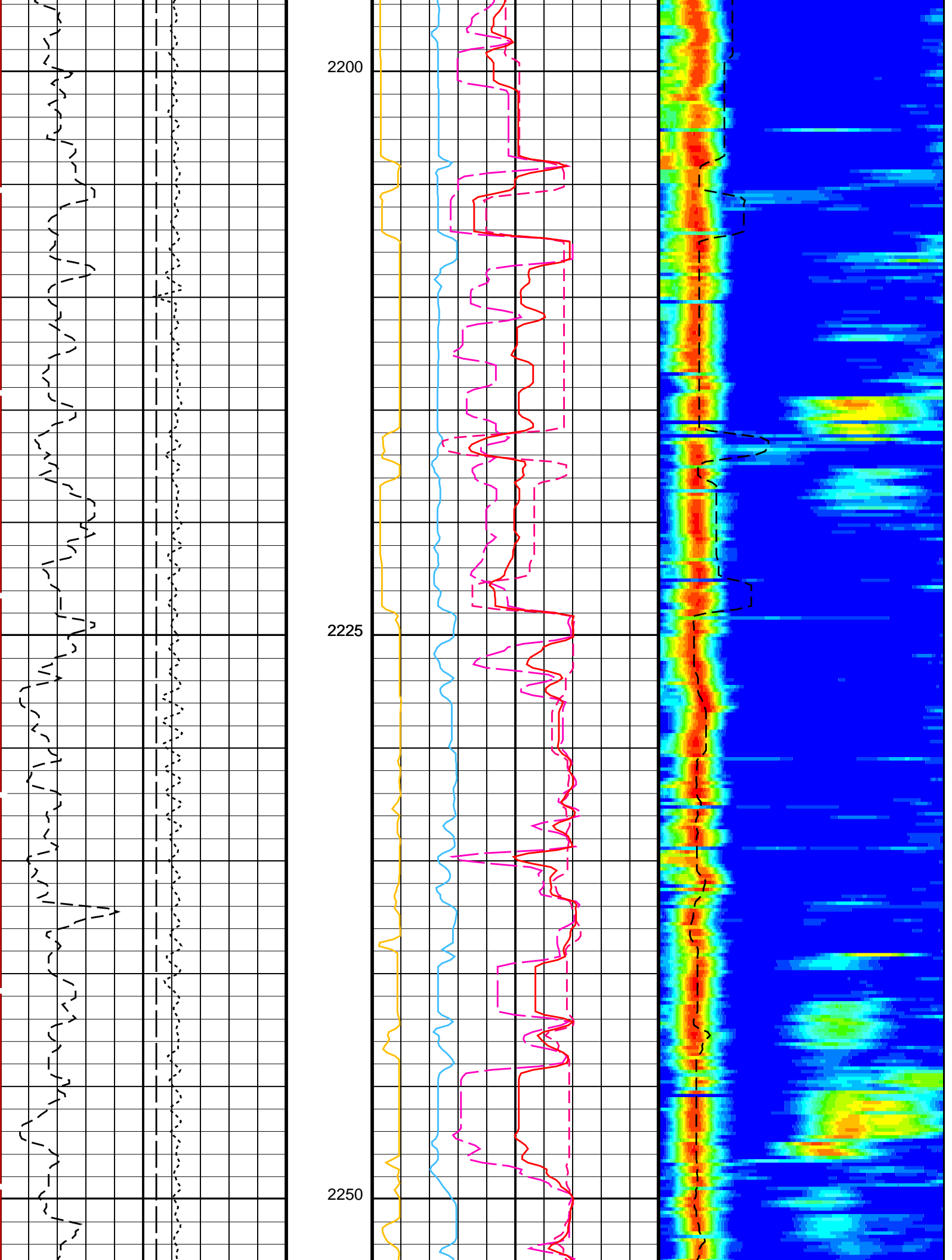
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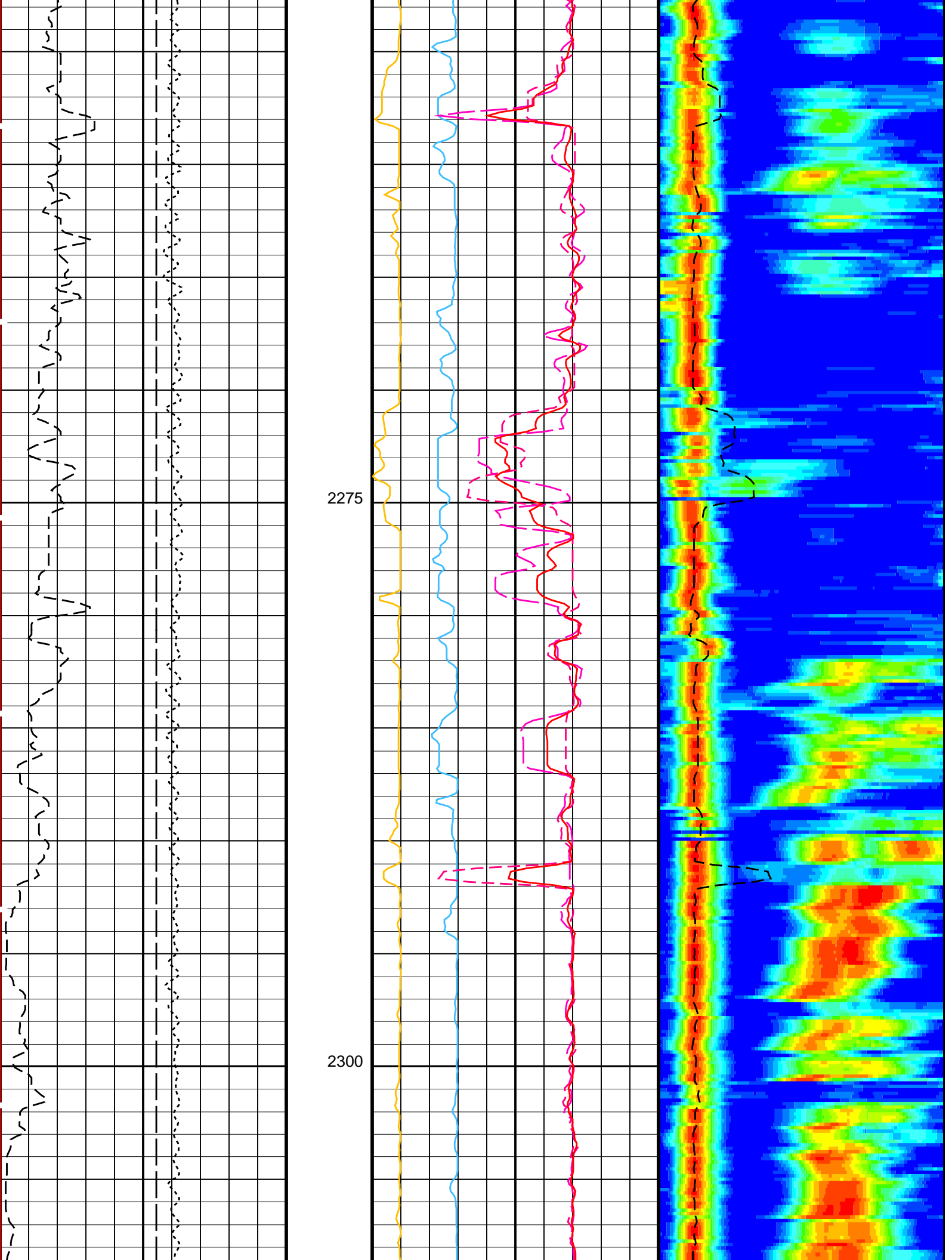


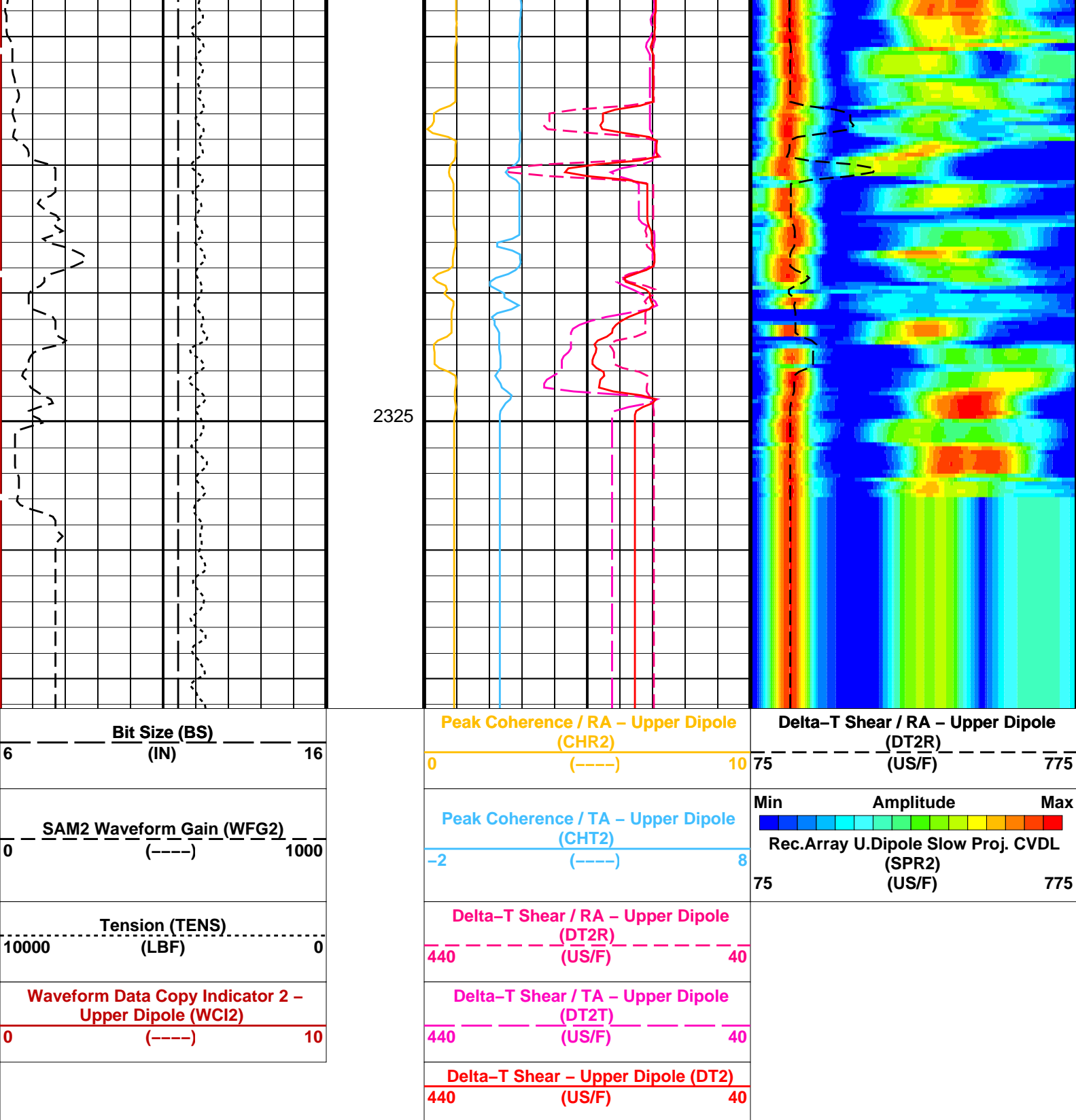












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
DDE2	Digitizing Delay 2	0 US
DDEX	Digitizing Delay X	0 US
DLCS	Label Compressional Source - Dipole Shear	USE
DSHL	Label Slowness Lower Limit - Dipole Shear	75 US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	350 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

DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	8	
NWI2	Number Waveform Items 2	0	
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	75	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	775	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	15525	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
WFM2	Waveform Mode 2	W1	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST\_UPPER\_DIPOLE\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 09-Sep-2023 04:43

## OP System Version: 19C0–187

MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

## Input DLIS Files

DEFAULT	Flip_MSS_LDEO_DSI_005LUP	PRODUCER	09-Sep-2023 03:13	2334.0 M	1908.8 M
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## Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_008PUP	FN:6	PRODUCER	09-Sep-2023 04:43
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Company: International Ocean Discovery Program    Well: Expedition 400, Site U1604B

## Input DLIS Files

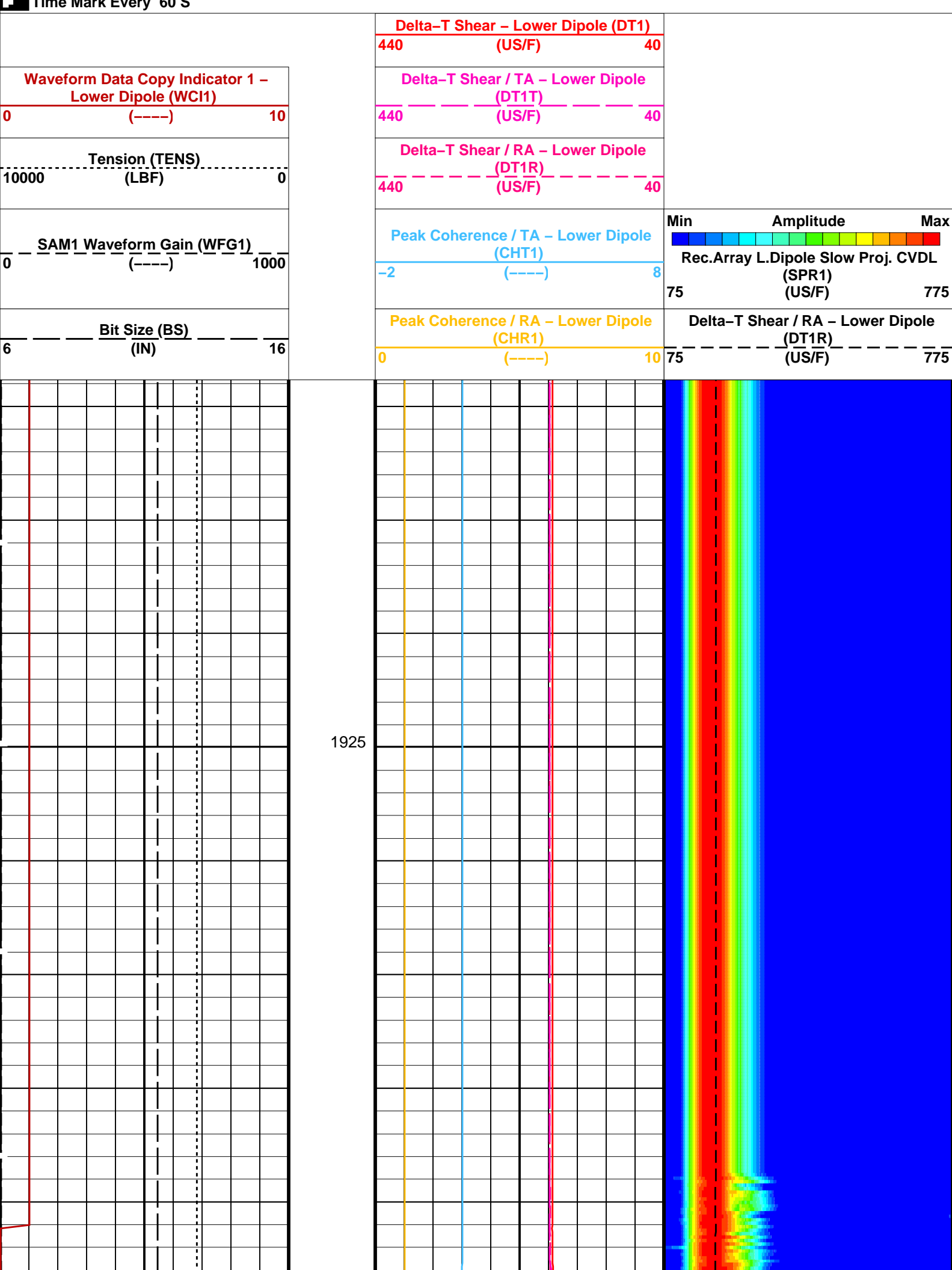
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## Output DLIS Files

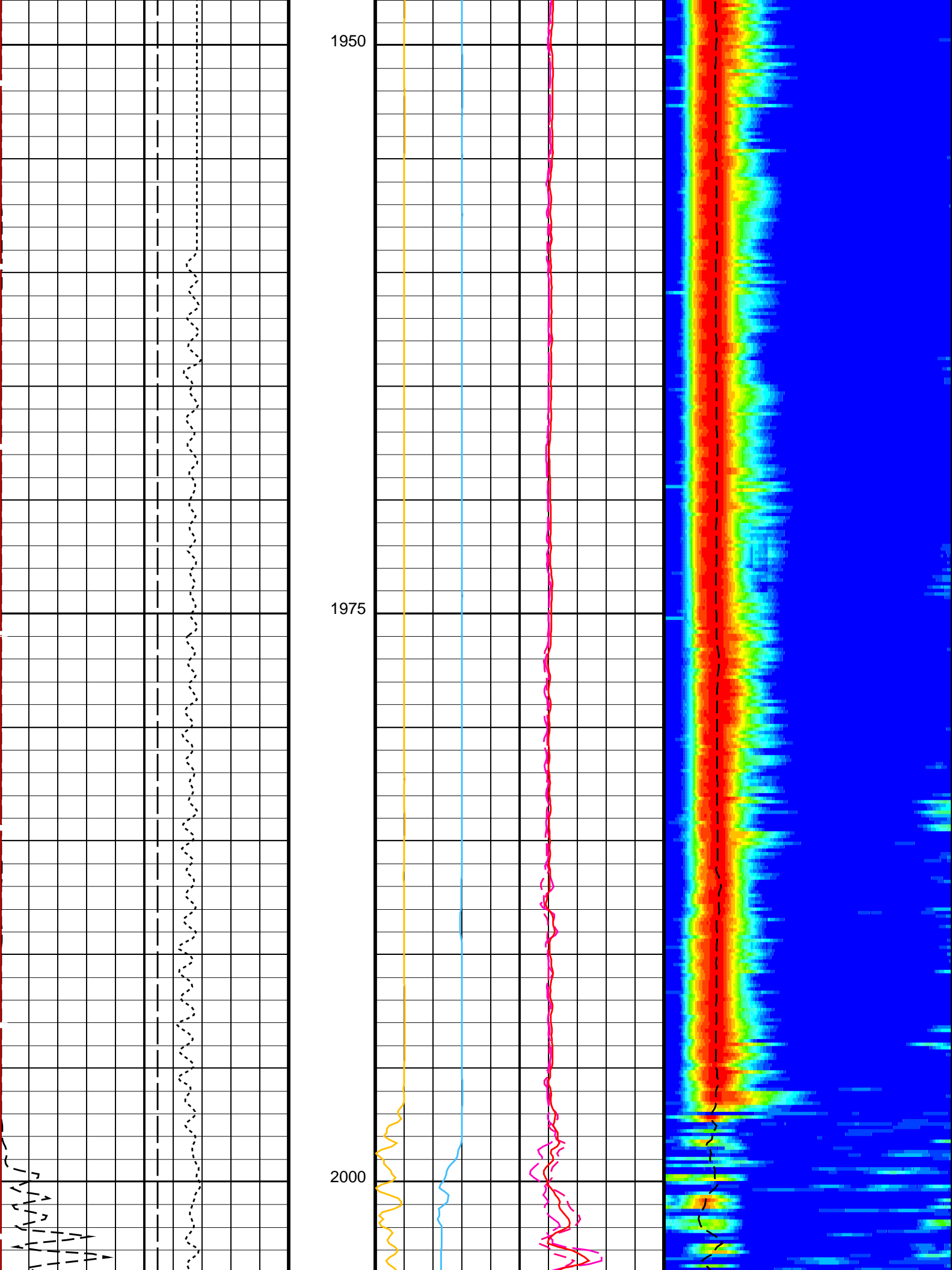
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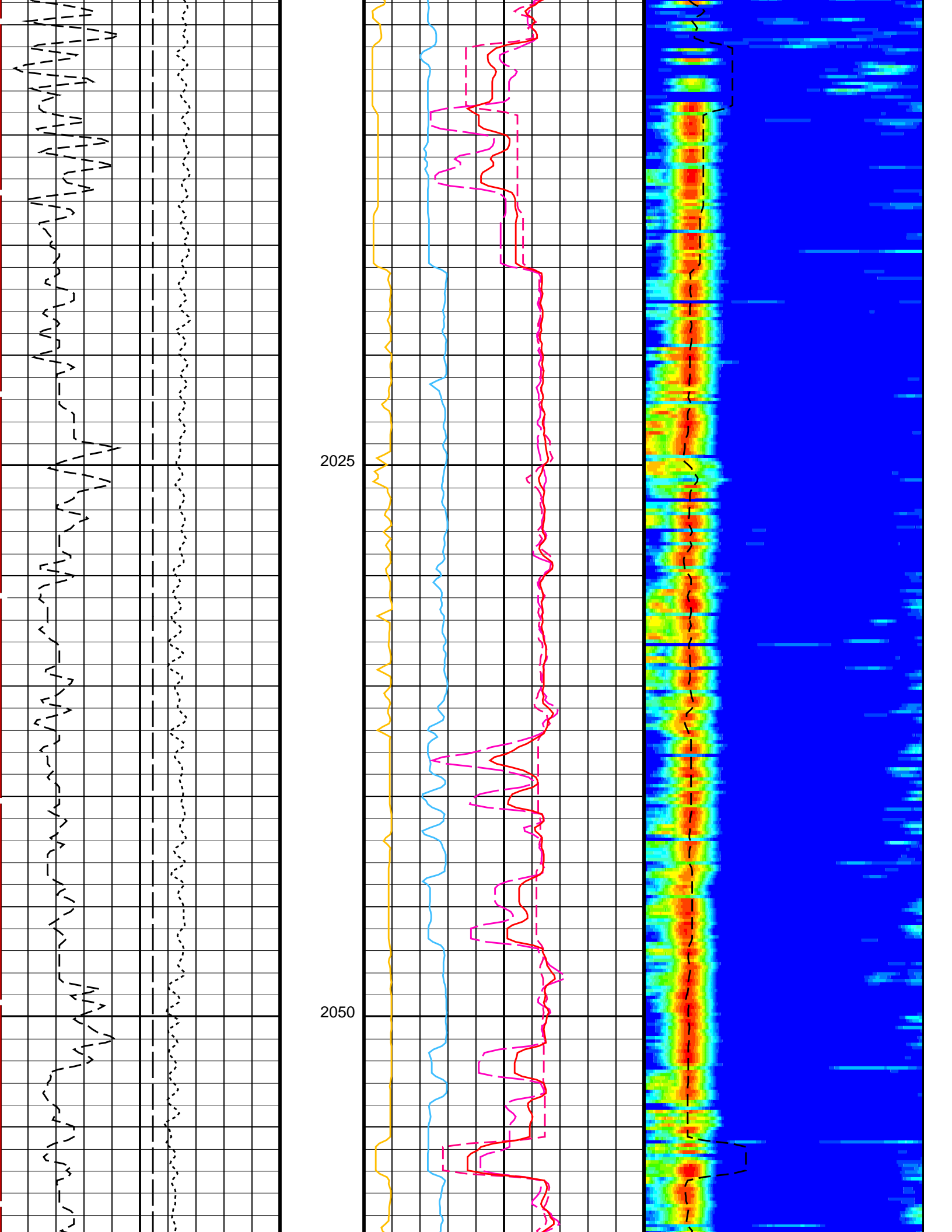
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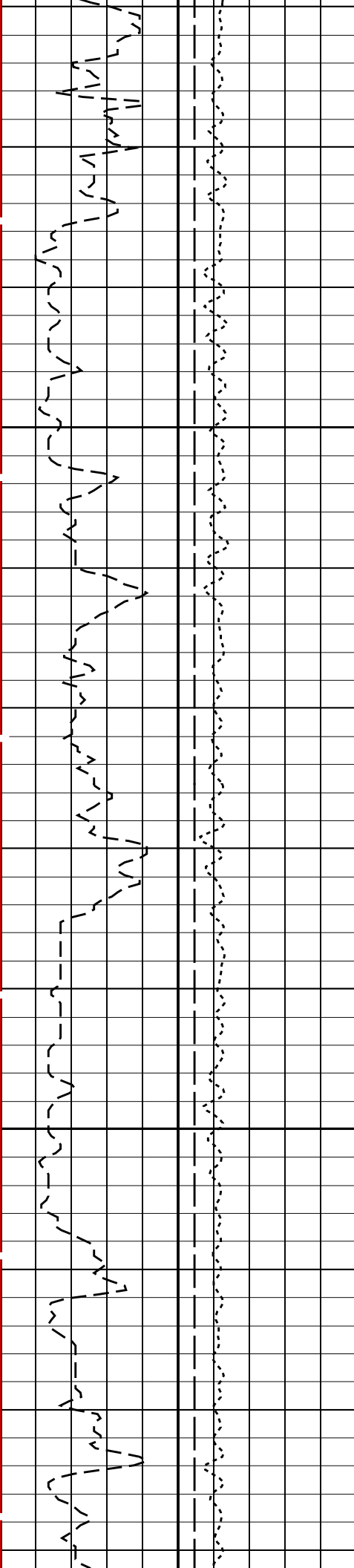
MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187



1925

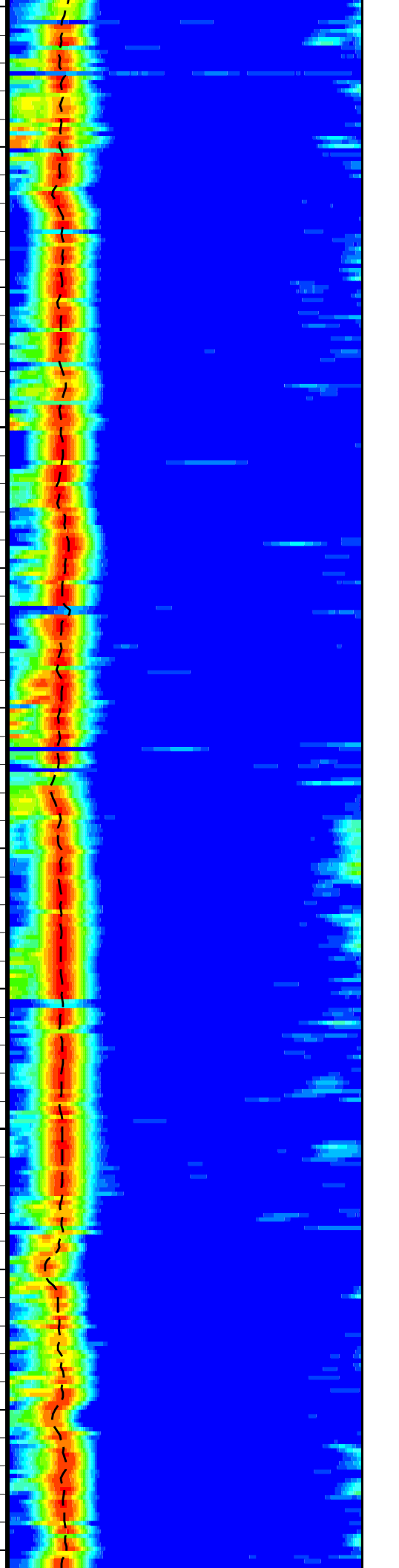
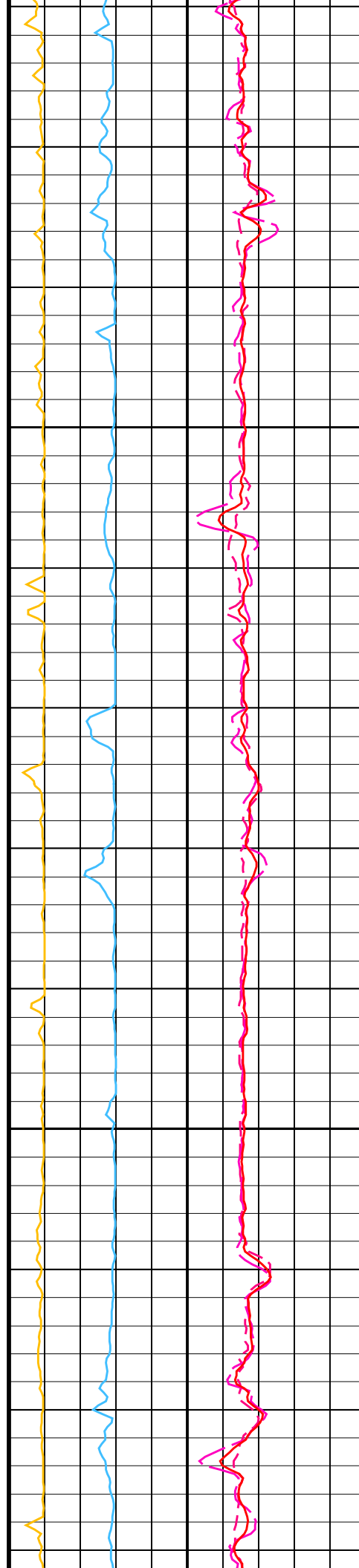




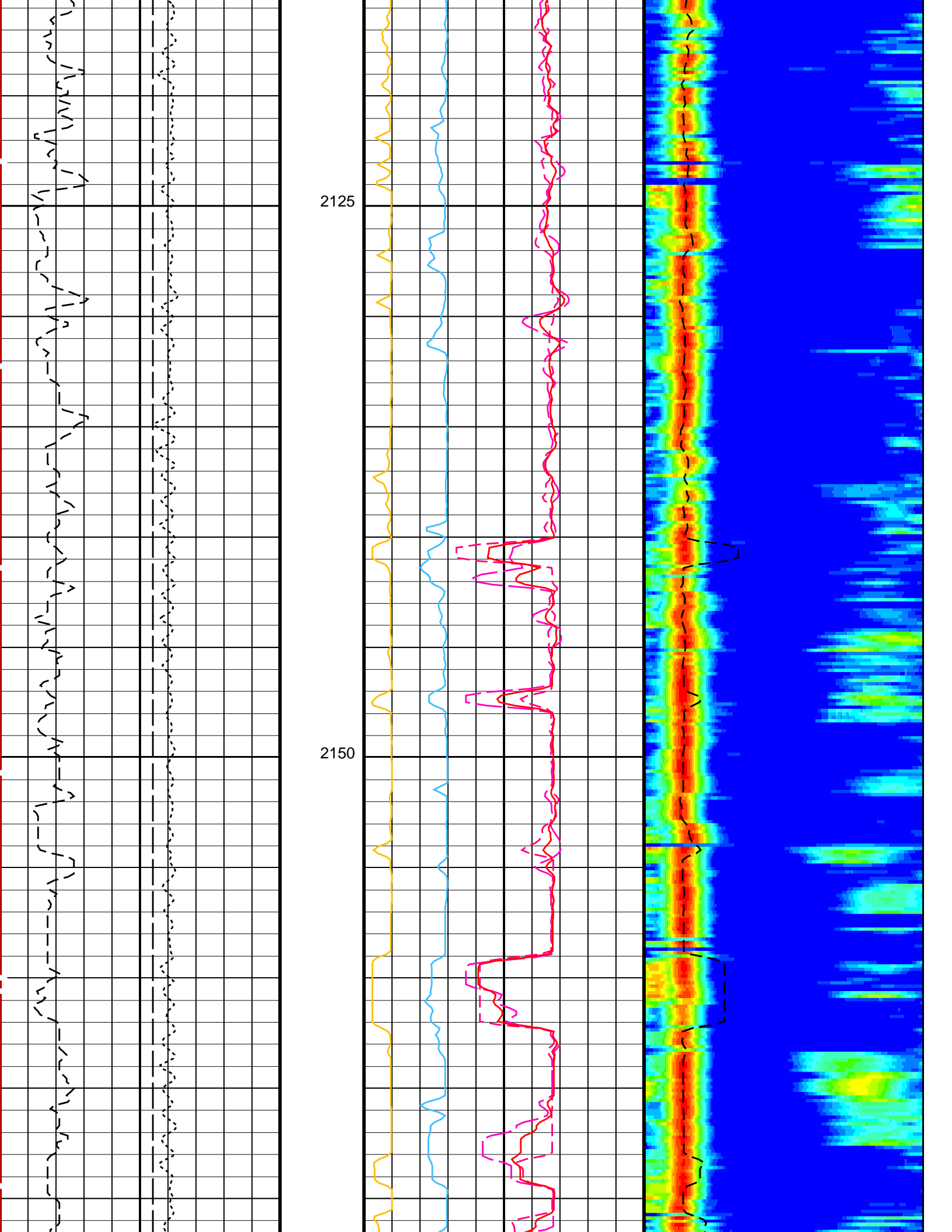


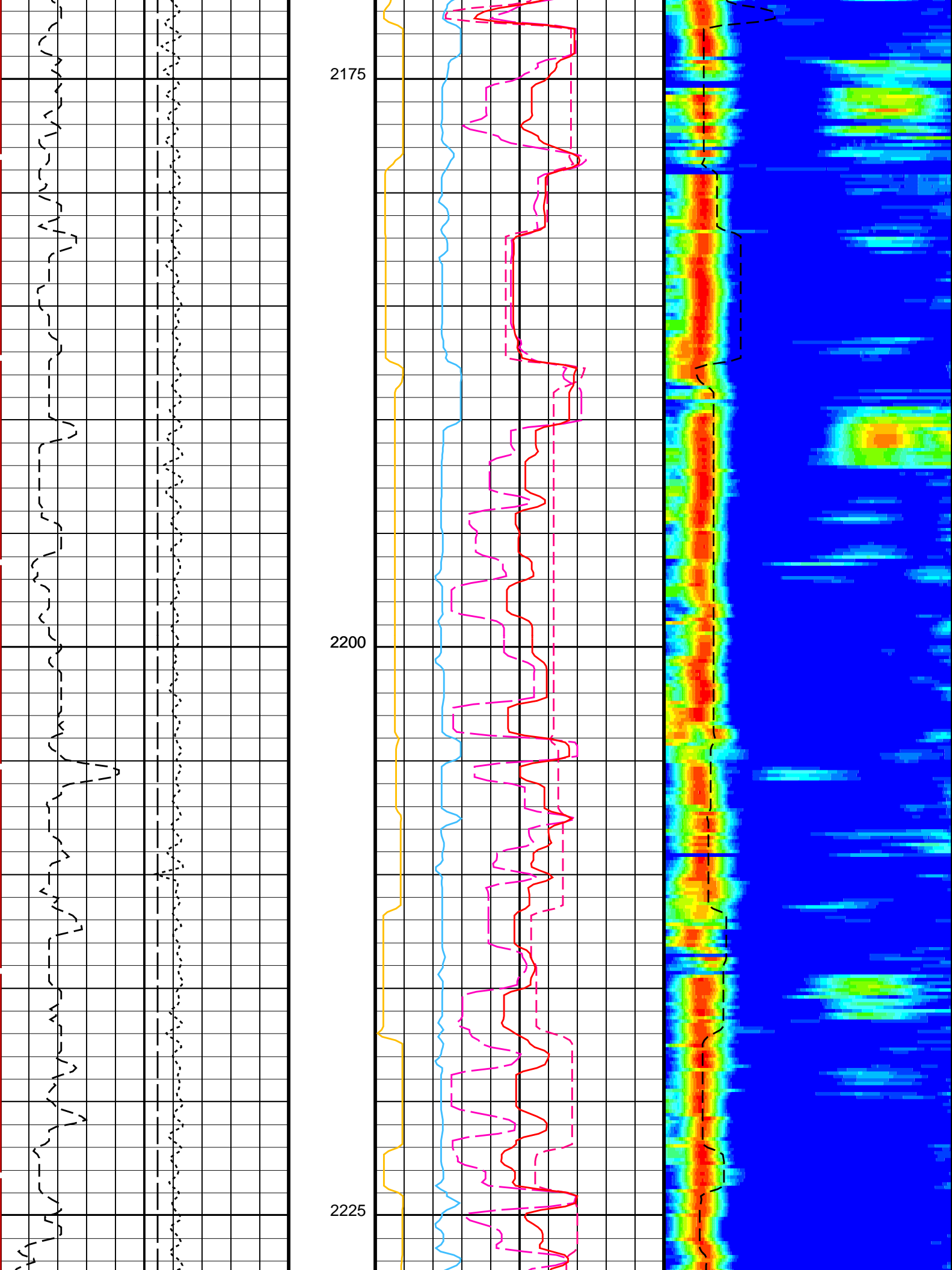
2075

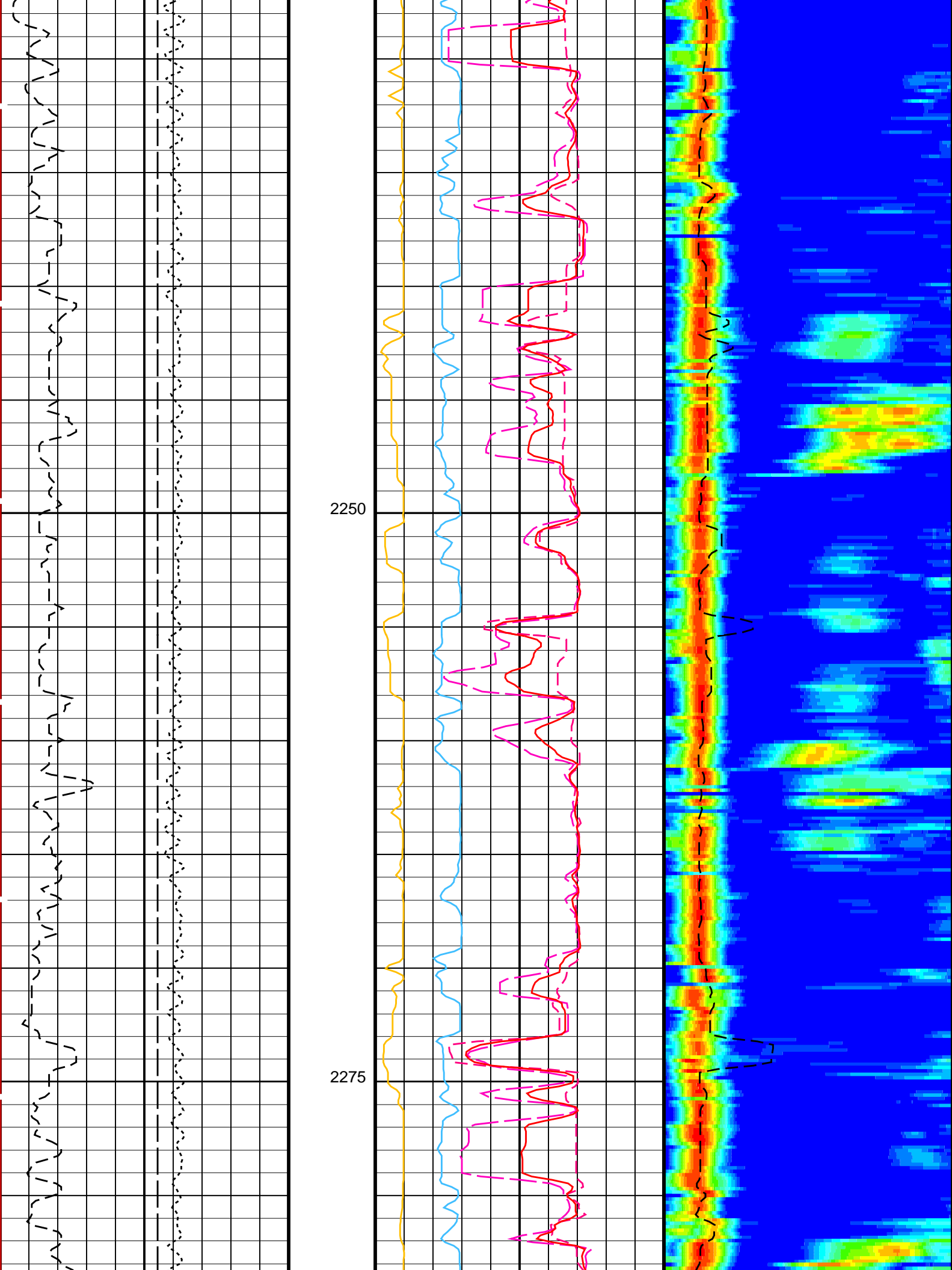
2100

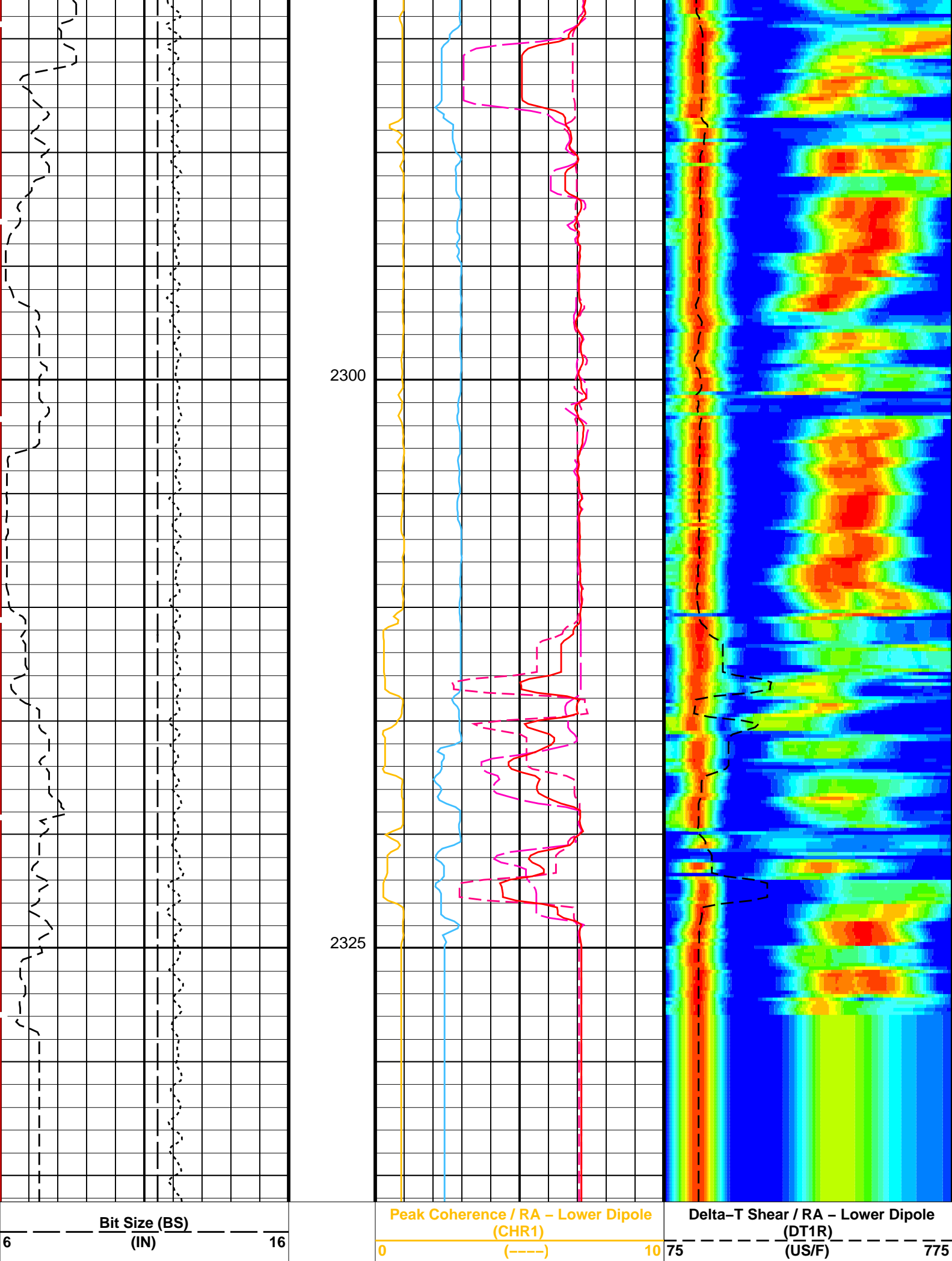












<div><div>SAM1 Waveform Gain (WFG1)</div><div>0 (----) 1000</div></div>	<div><div>Peak Coherence / TA – Lower Dipole (CHT1)</div><div>-2 (----) 8</div></div>	<div><div>MinAmplitudeMax</div><div>Rec.Array L.Dipole Slow Proj. CVDL (SPR1) (US/F) 75 775</div></div>
<div><div>Tension (TENS)</div><div>10000 (LBF) 0</div></div>	<div><div>Delta-T Shear / RA – Lower Dipole (DT1R)</div><div>440 (US/F) 40</div></div>	
<div><div>Waveform Data Copy Indicator 1 – Lower Dipole (WC11)</div><div>0 (----) 10</div></div>	<div><div>Delta-T Shear / TA – Lower Dipole (DT1T)</div><div>440 (US/F) 40</div></div>	
	<div><div>Delta-T Shear – Lower Dipole (DT1)</div><div>440 (US/F) 40</div></div>	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	350	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NWI1	Number Waveform Items 1	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B1-3K	
SLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	775	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	15912.5	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 09-Sep-2023 04:43

OP System Version: 19C0–187

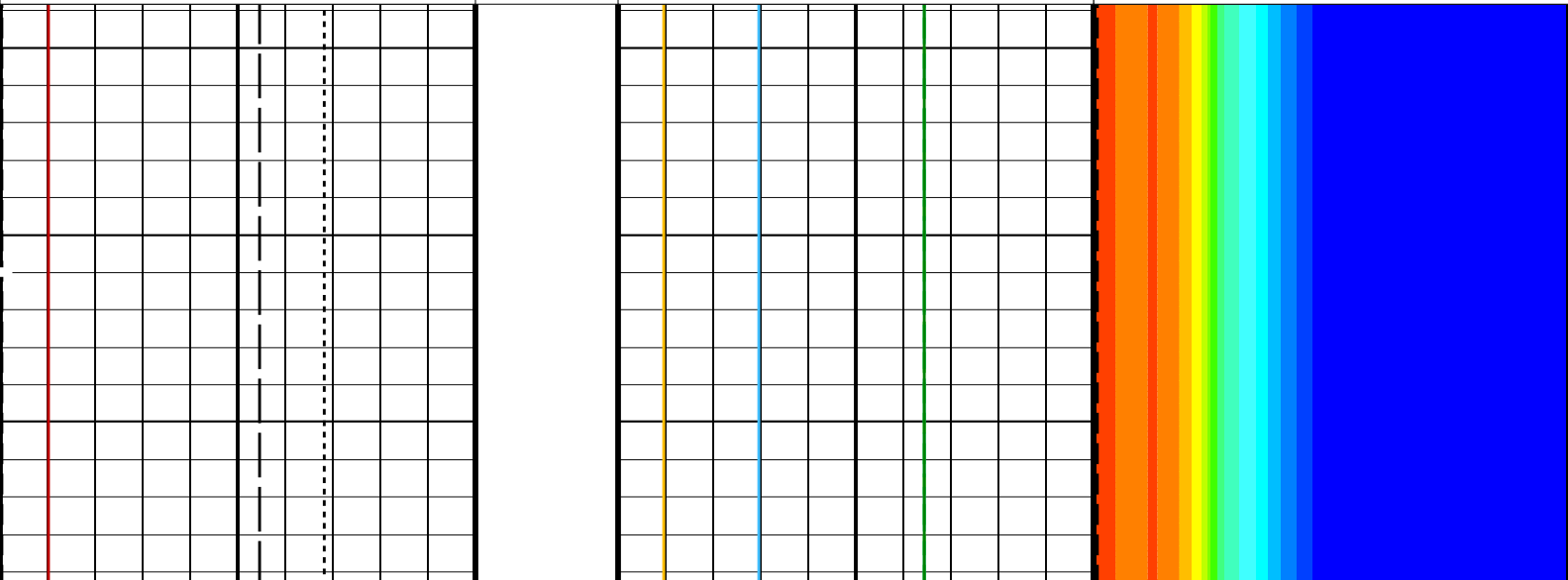
MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187

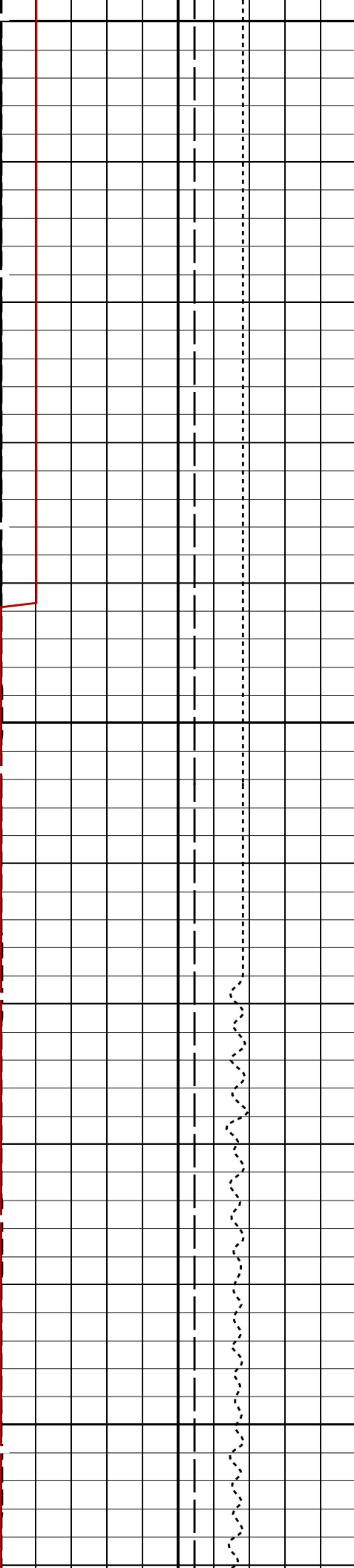
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187
<b>Input DLIS Files</b>			
DEFAULT	Flip_MSS_LDEO_DSI_005LUP	PRODUCER	09-Sep-2023 03:13 2334.0 M 1908.8 M
<b>Output DLIS Files</b>			
DEFAULT	MSS_LDEO_DSI_HRLA_008PUP	FN:6 PRODUCER	09-Sep-2023 04:43

Input DLIS Files						
DEFAULT	Flip_MSS_LDEO_DSI_005LUP	PRODUCER	09-Sep-2023 03:13	2334.0 M	1908.8 M	
Output DLIS Files						
DEFAULT	MSS_LDEO_DSI_HRLA_008PUP	FN:6	PRODUCER	09-Sep-2023 04:43	2336.1 M	1908.8 M

OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

	<div>Delta-T Stoneley (DTST)</div> <div>440(US/F)40</div>	
<div>Waveform Data Copy Indicator 3 – Monopole Stoneley (WC13)</div> <div>0(----)10</div>	<div>Delta-T Stoneley / TA (DT3T)</div> <div>440(US/F)40</div>	
<div>Tension (TENS) ----- 10000(LBF)0</div>	<div>Delta-T Stoneley / RA (DT3R)</div> <div>440(US/F)40</div>	
<div>SAM3 Waveform Gain (WFG3) 0(----)1000</div>	<div>Peak Coherence / TA – Stoneley (CHT3)</div> <div>-2(----)8</div>	<div>MinAmplitudeMax  Rec.Array Stoneley Slow Proj. CVDL (SPR3) 180(US/F)780</div>
<div>Bit Size (BS) 6(IN)16</div>	<div>Peak Coherence / RA – Stoneley (CHR3)</div> <div>0(----)10</div>	<div>Delta-T Stoneley / RA (DT3R)</div> <div>180(US/F)780</div>

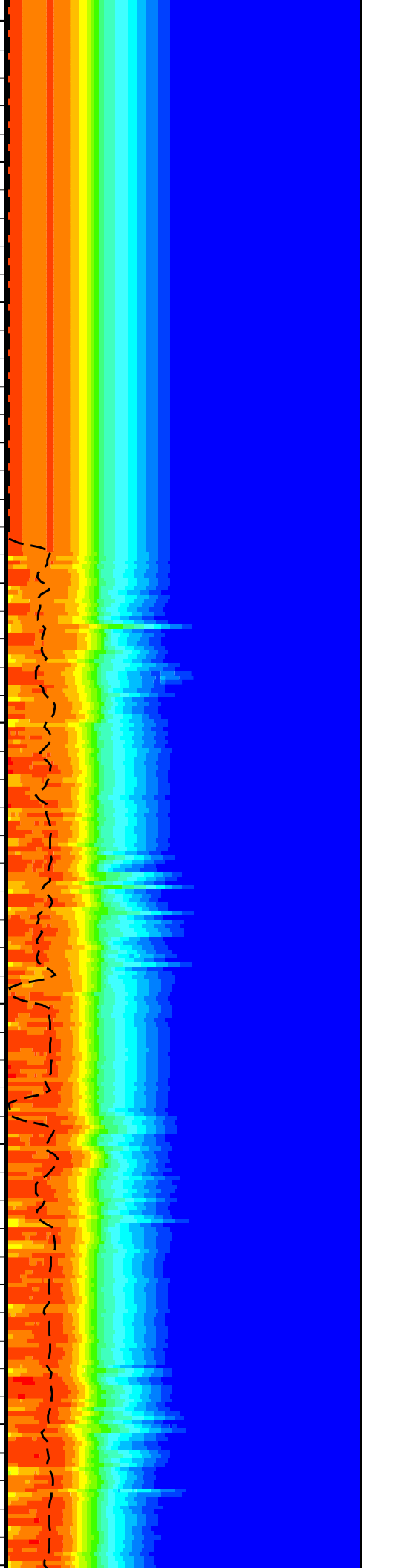
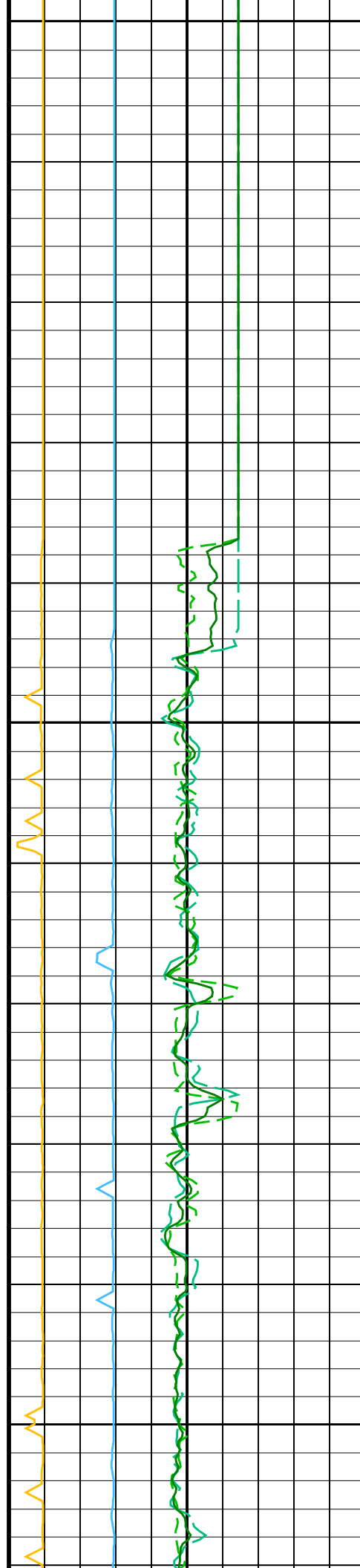


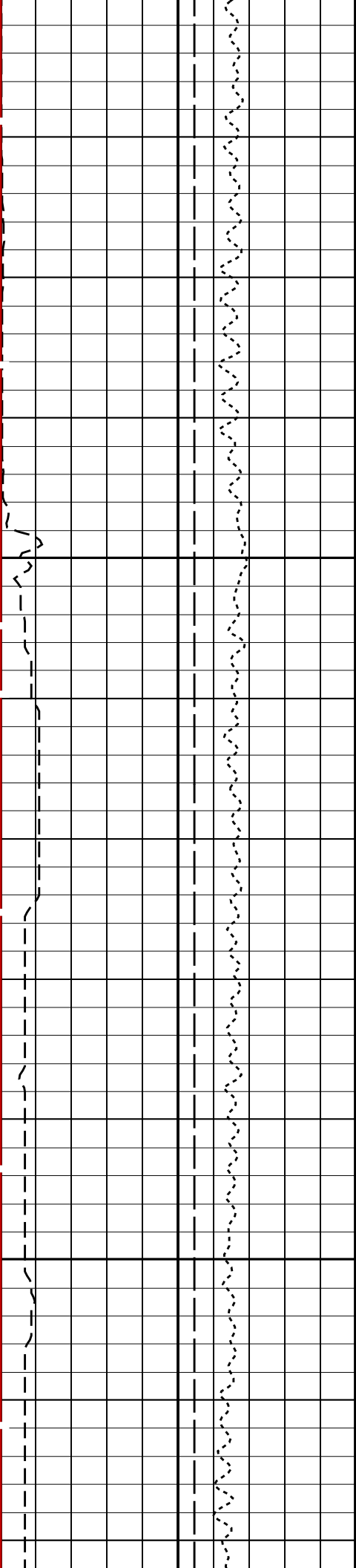


1925

1950

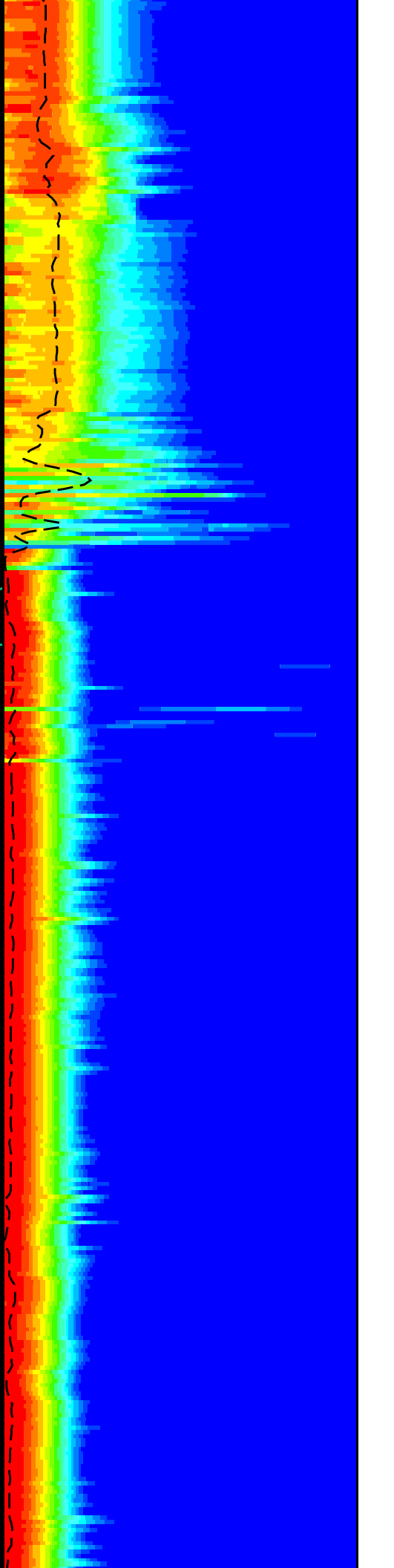
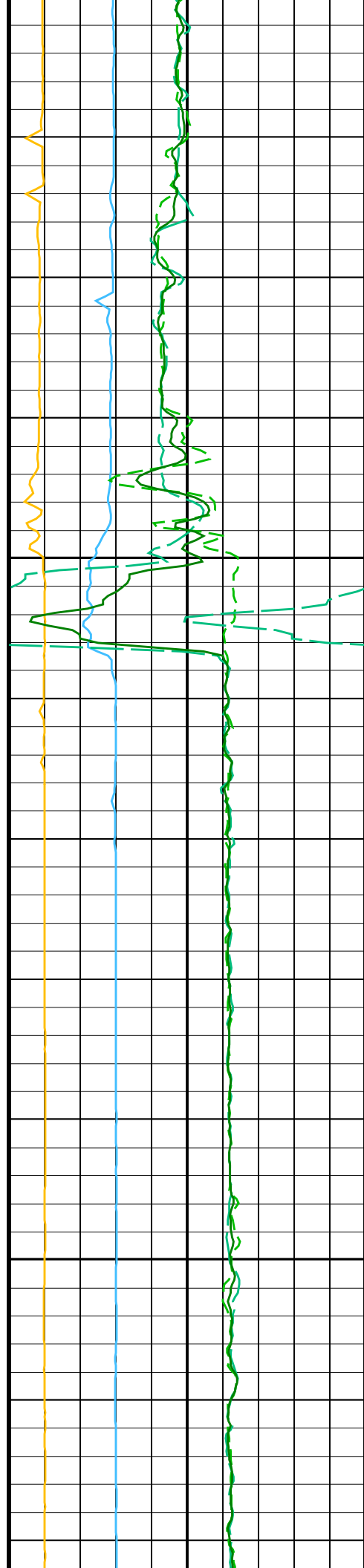
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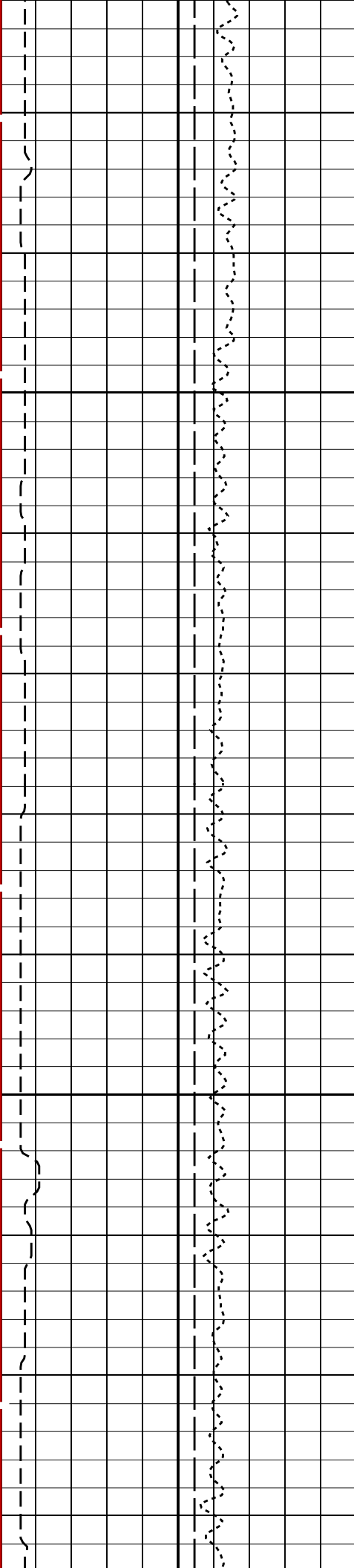


2000

2025

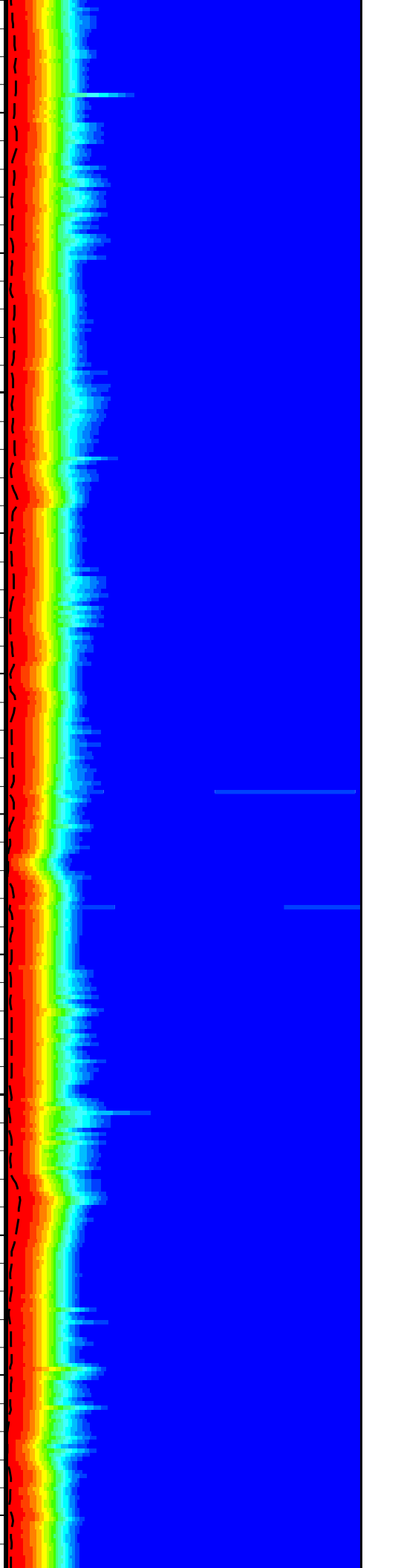
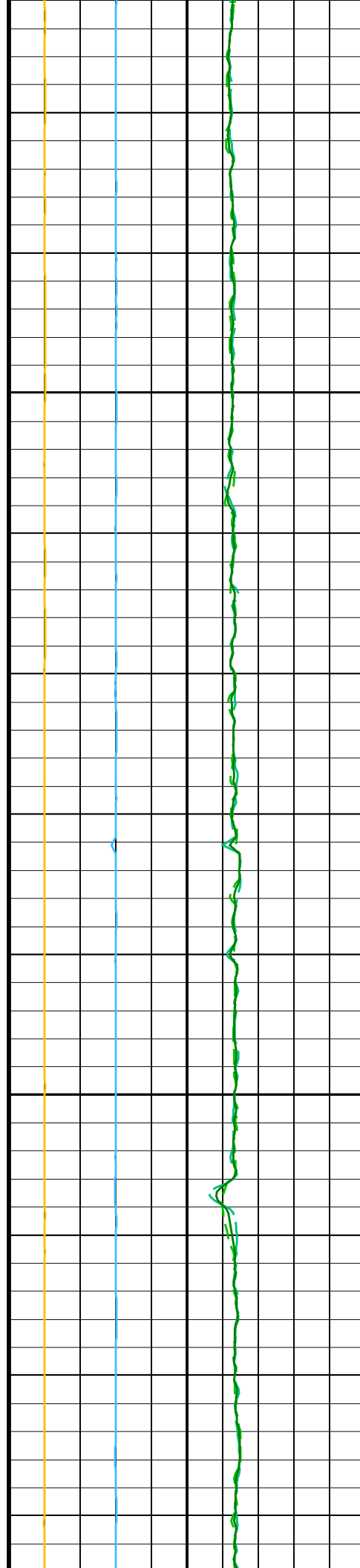


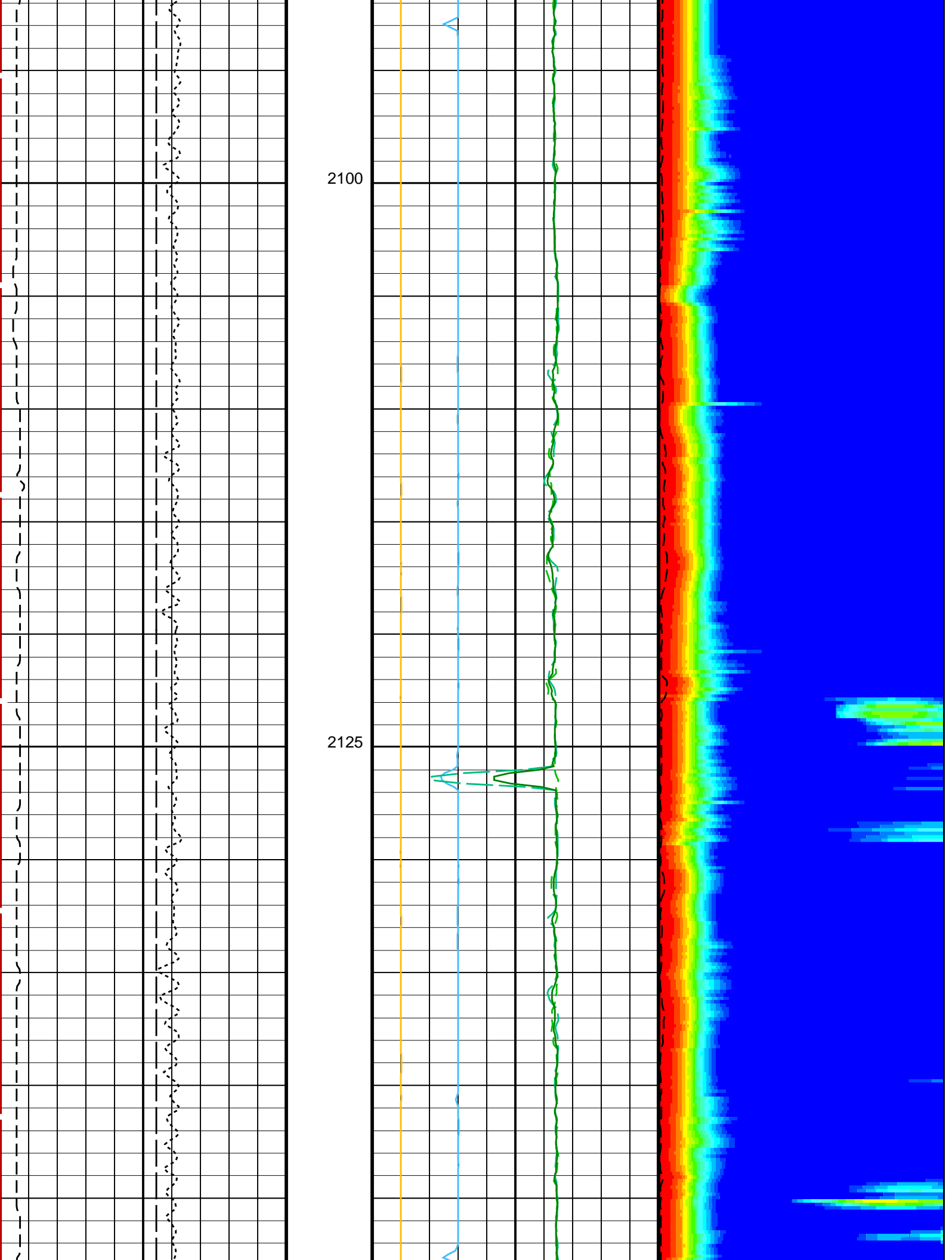


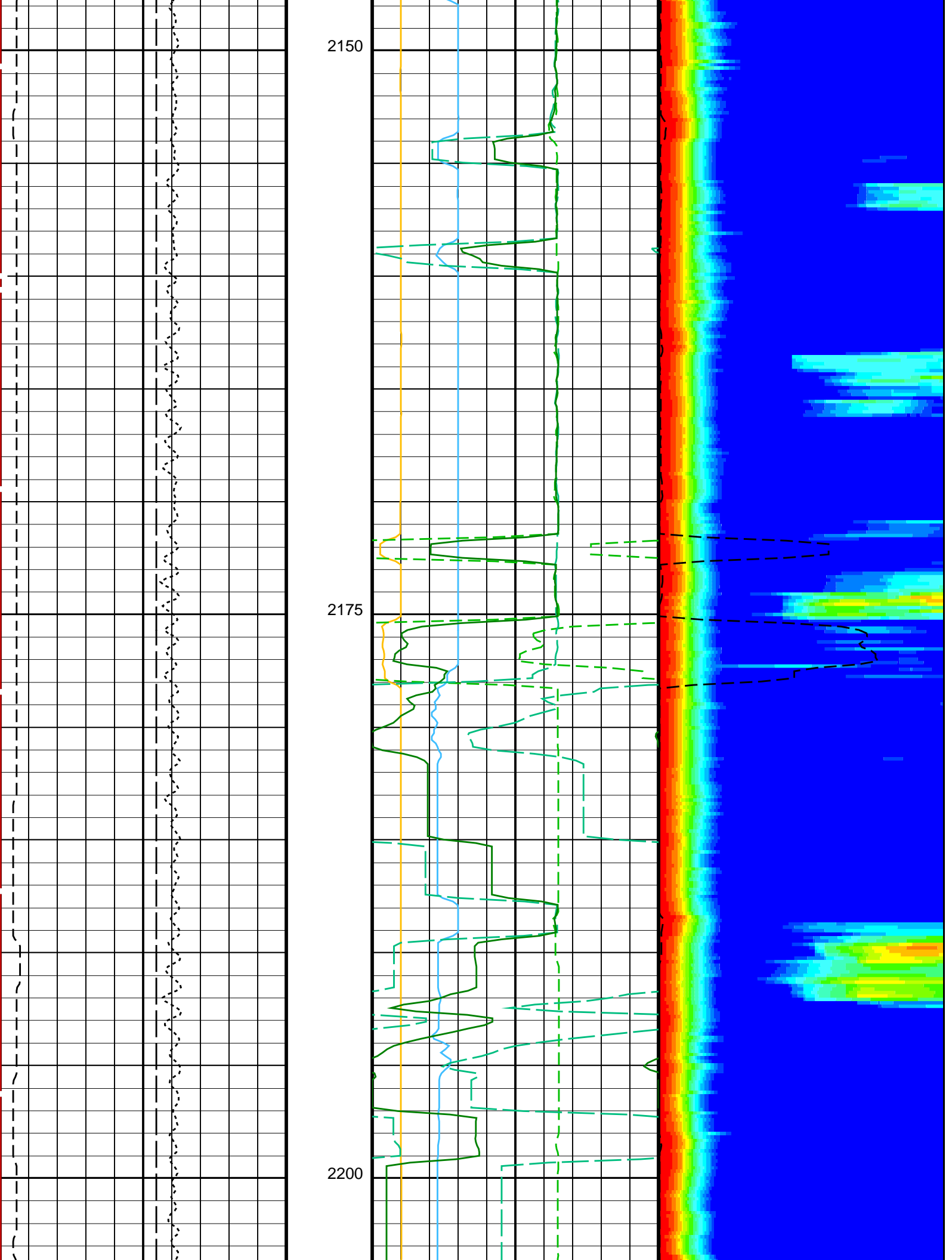


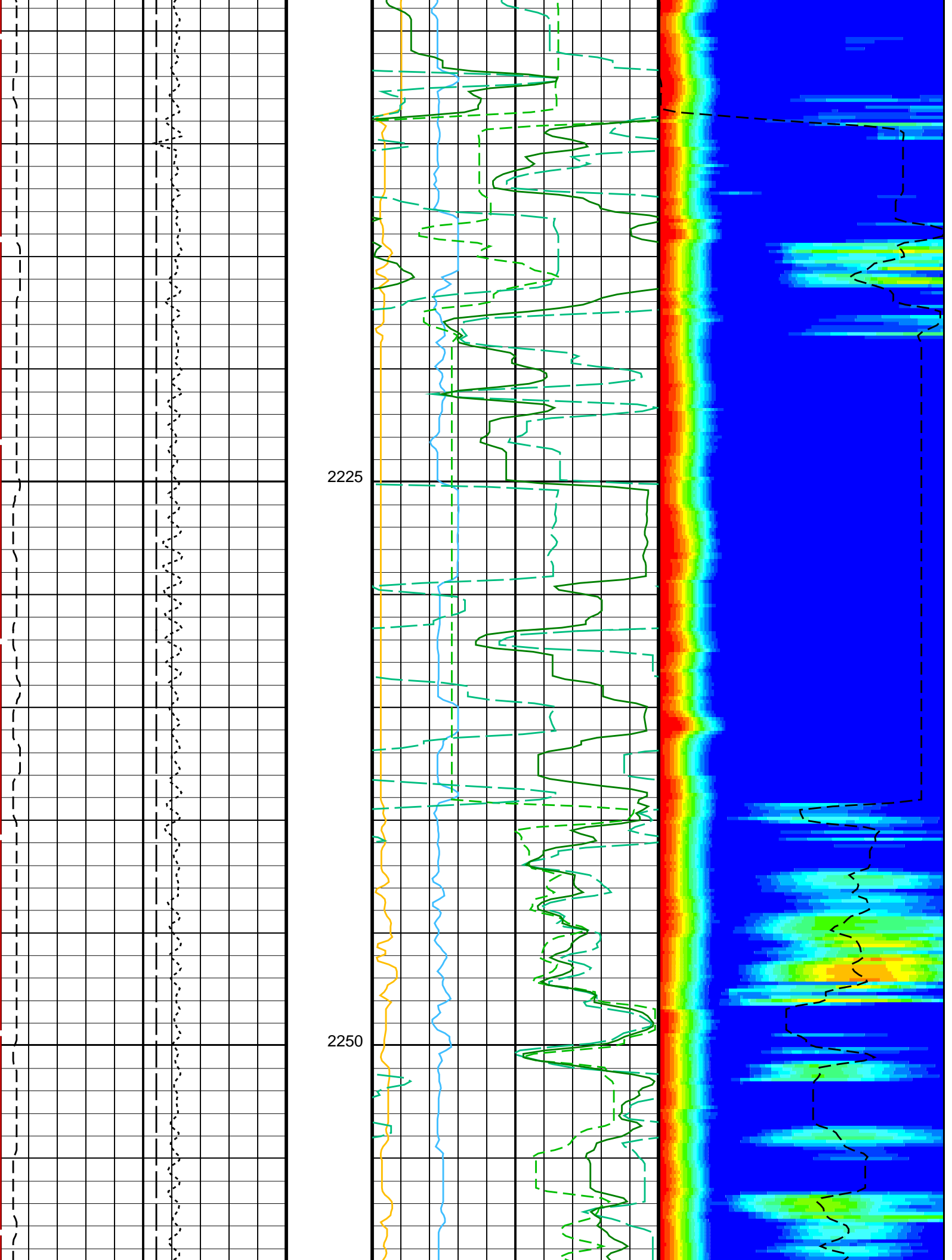
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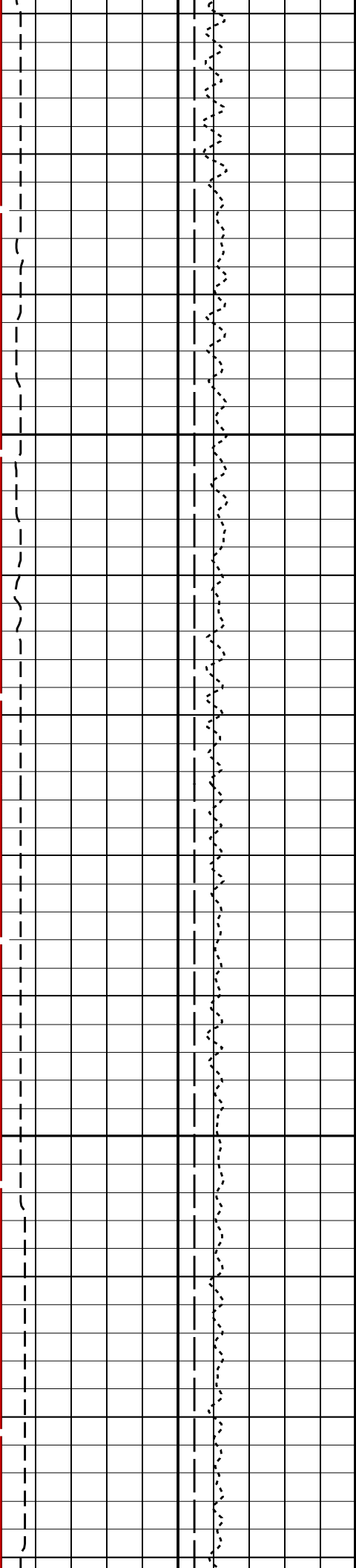
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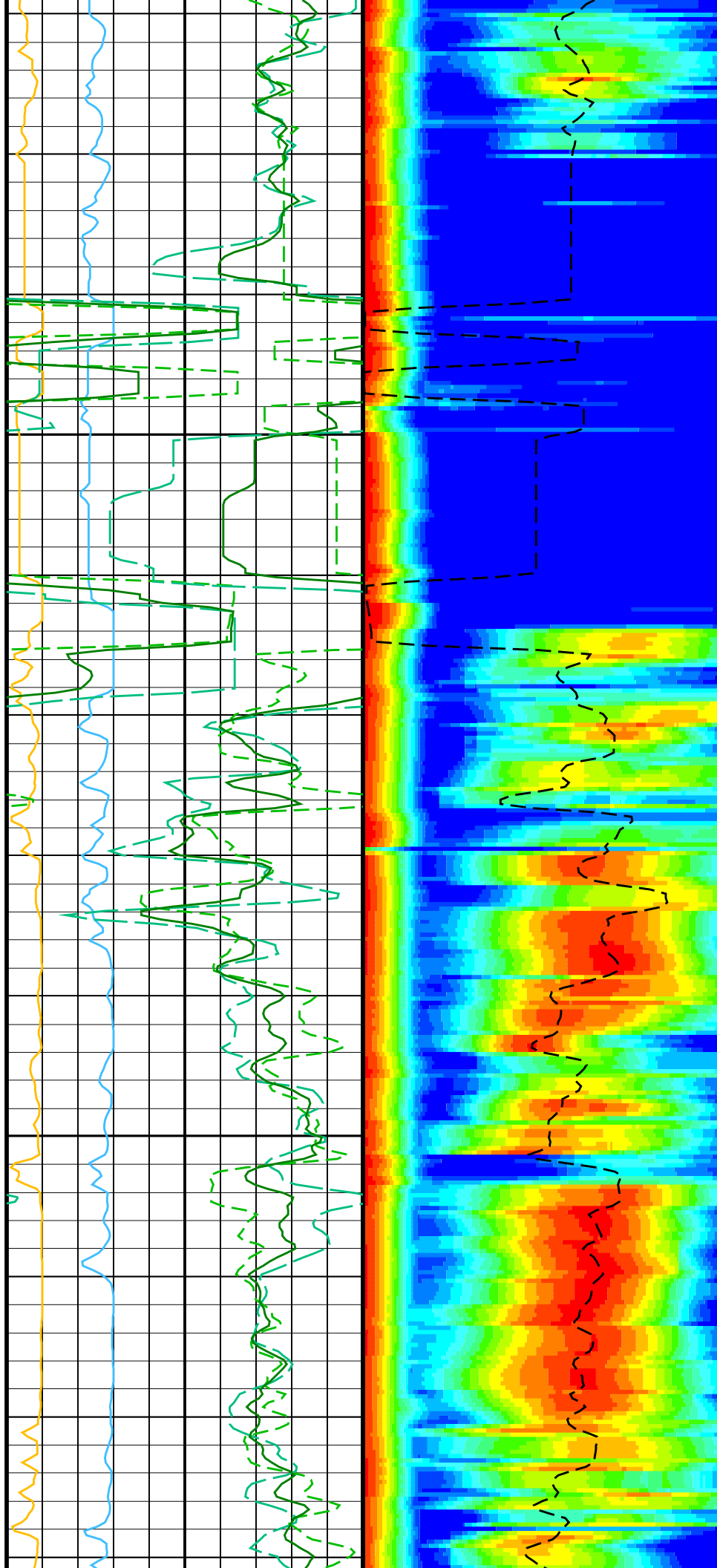


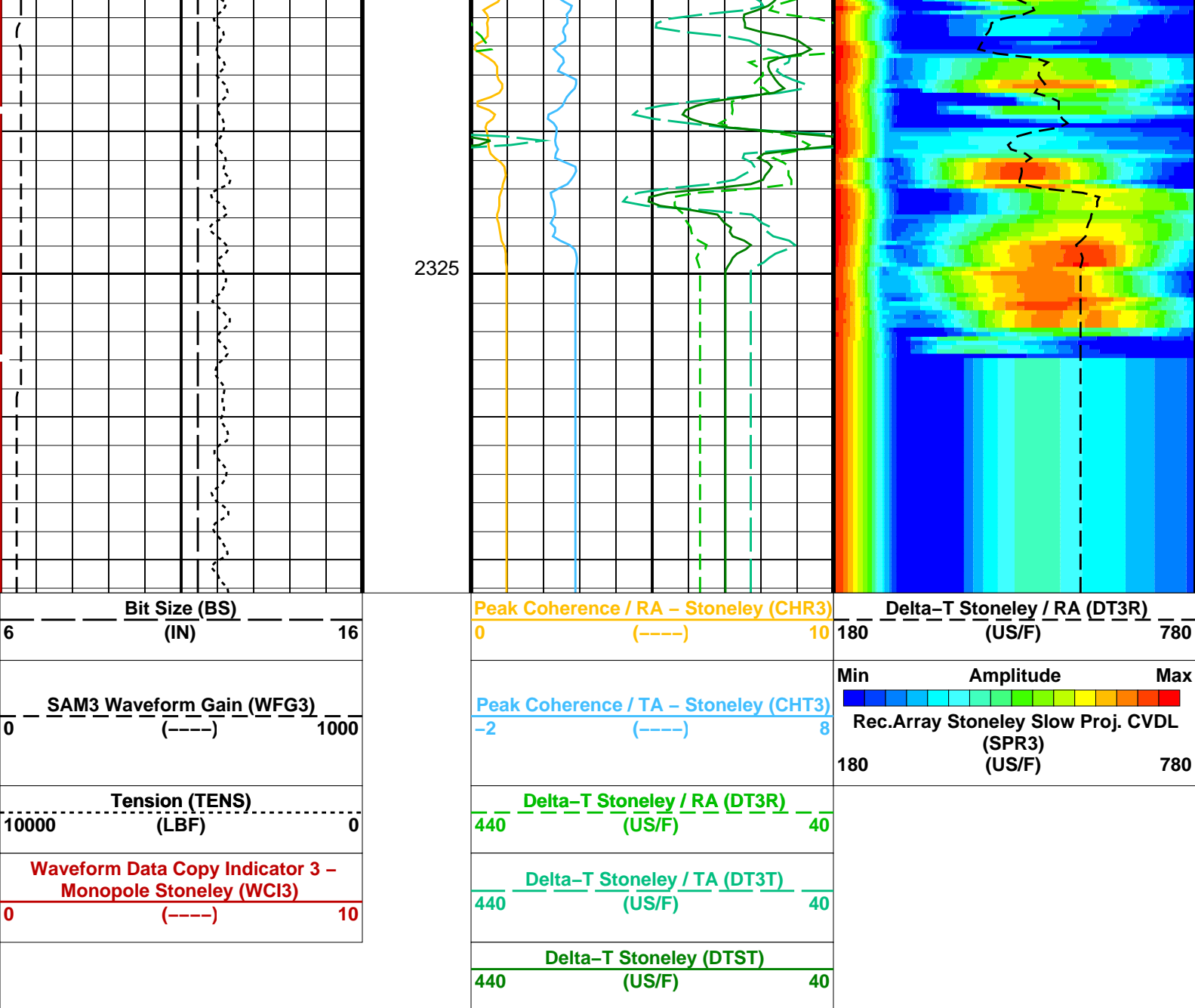




2275

2300





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE3	Digitizing Delay 3	0	US
DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAG3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	OFF	
SAGX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	

SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SBO3	STC Search Band Offset – Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth – Monopole Stoneley	6000	US
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TLL3	STC Time Lower Limit – Monopole Stoneley	620	US
TST3	STC Time Step – Monopole Stoneley	200	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12020	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWI3	STC Integration Time Window – Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM3	Waveform Mode 3	W1	
System and Miscellaneous			
BS	Bit Size	11.438	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

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

## Input DLIS Files

## Output DLIS Files

Company: International Ocean Discovery Program		Well: Expedition 400, Site U1604B	
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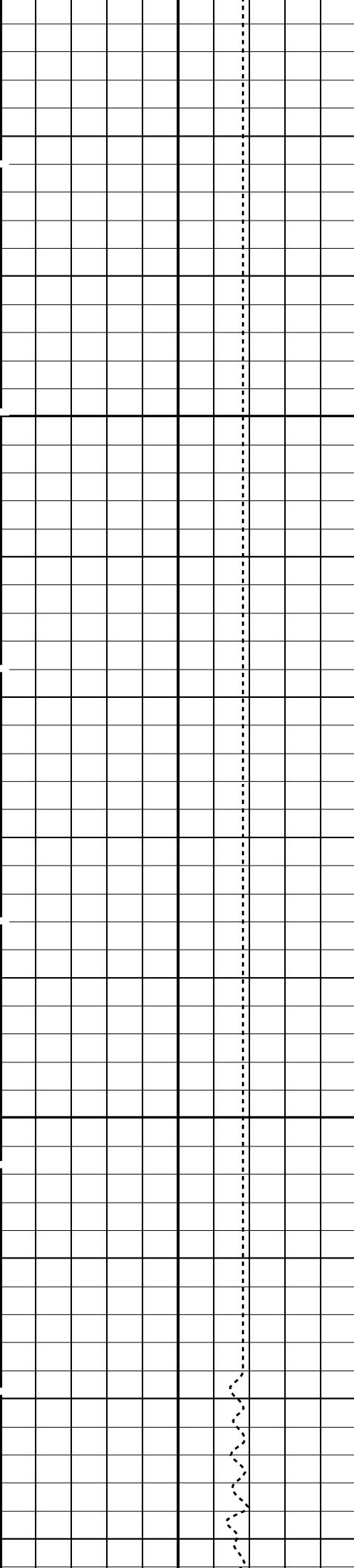
## Output DLIS Files

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

## PIP SUMMARY

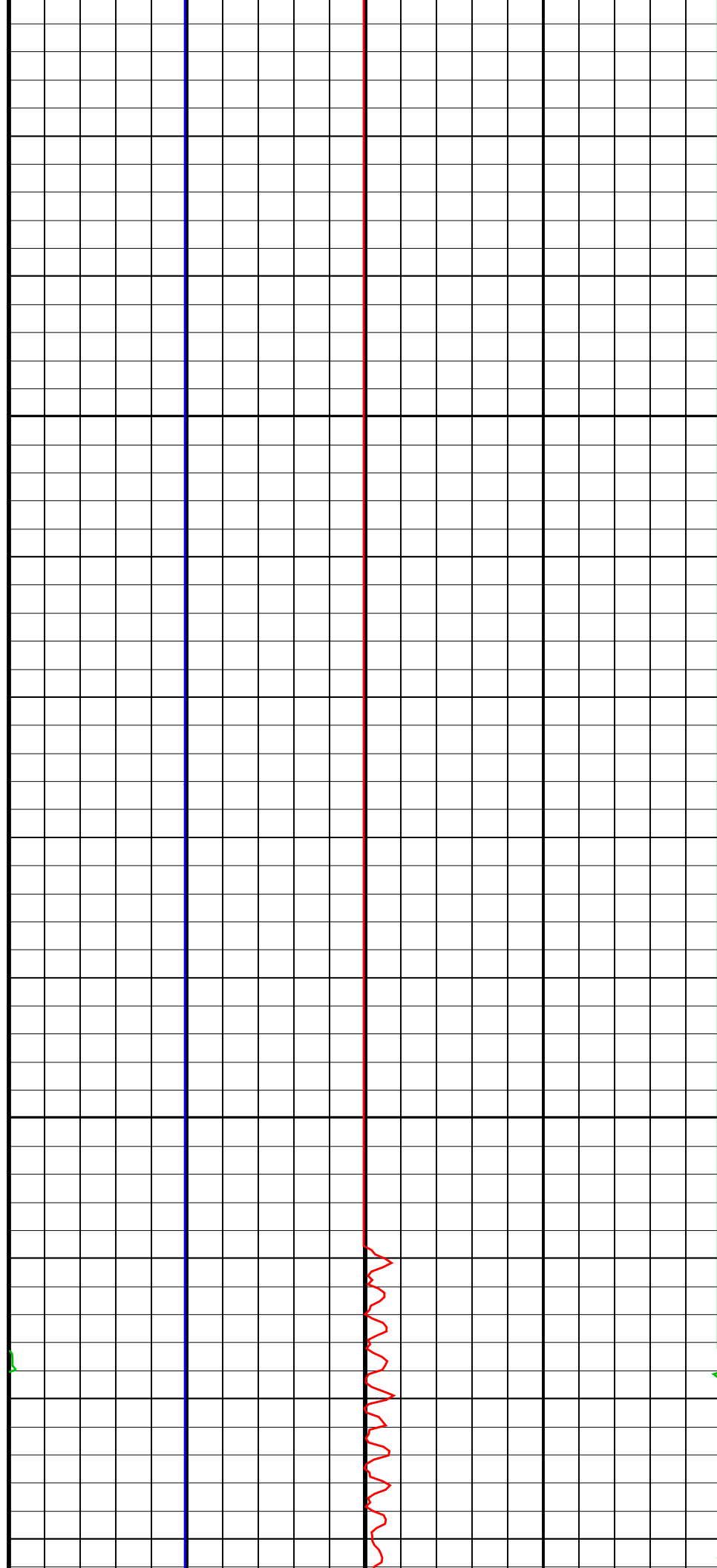
Tension (TENS)										Dual-Coil Susceptibility (MSSL SUS_LDEO)									
(LBF)										(PPM)									
10000 0										-10000 90000									
										High-Res Susceptibility (MSSH SUS_LDEO)									
										(PPM)									
										-10000 90000									
										Axial Acceleration (MSSZACC_LDEO)									
										(M/S2)									
0 20																			

[illegible]

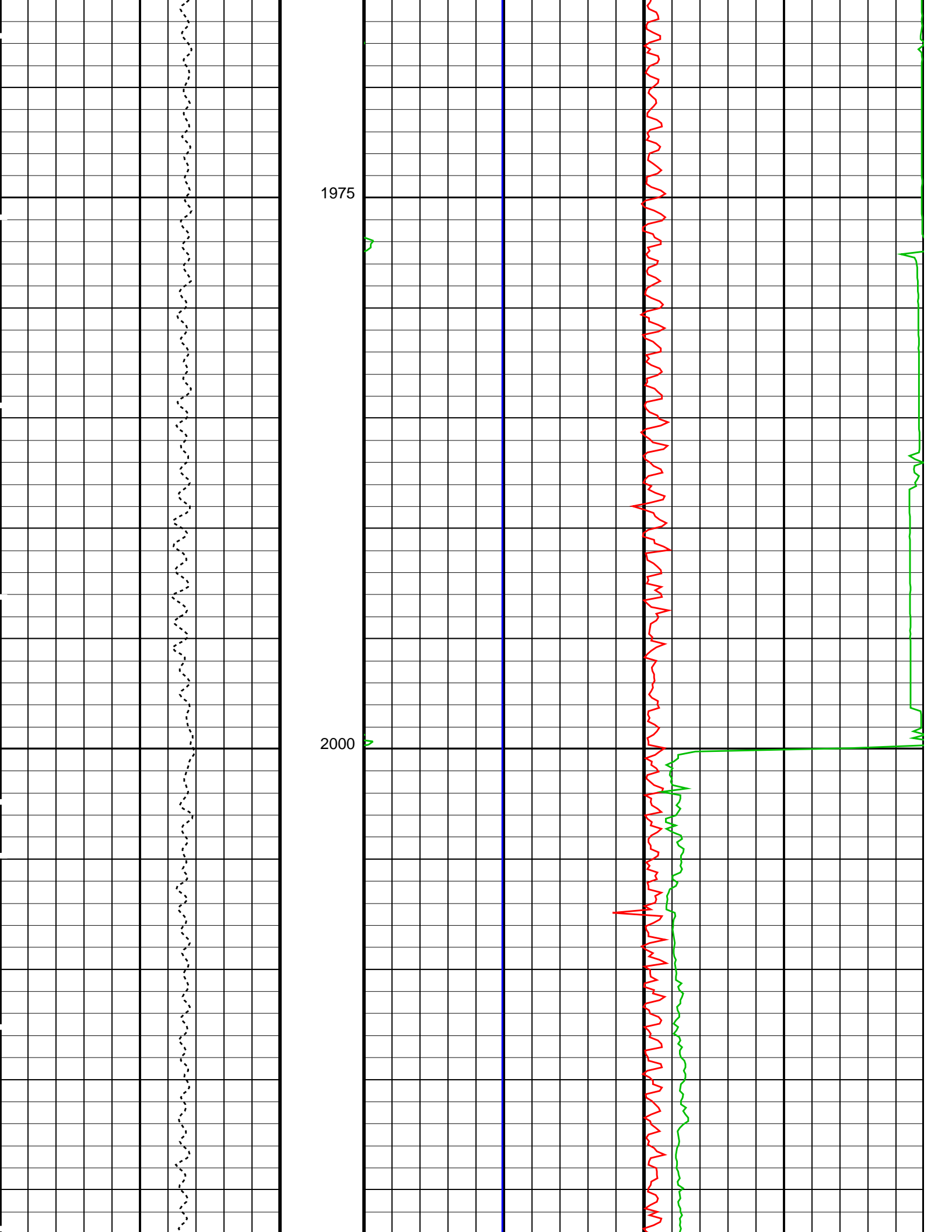


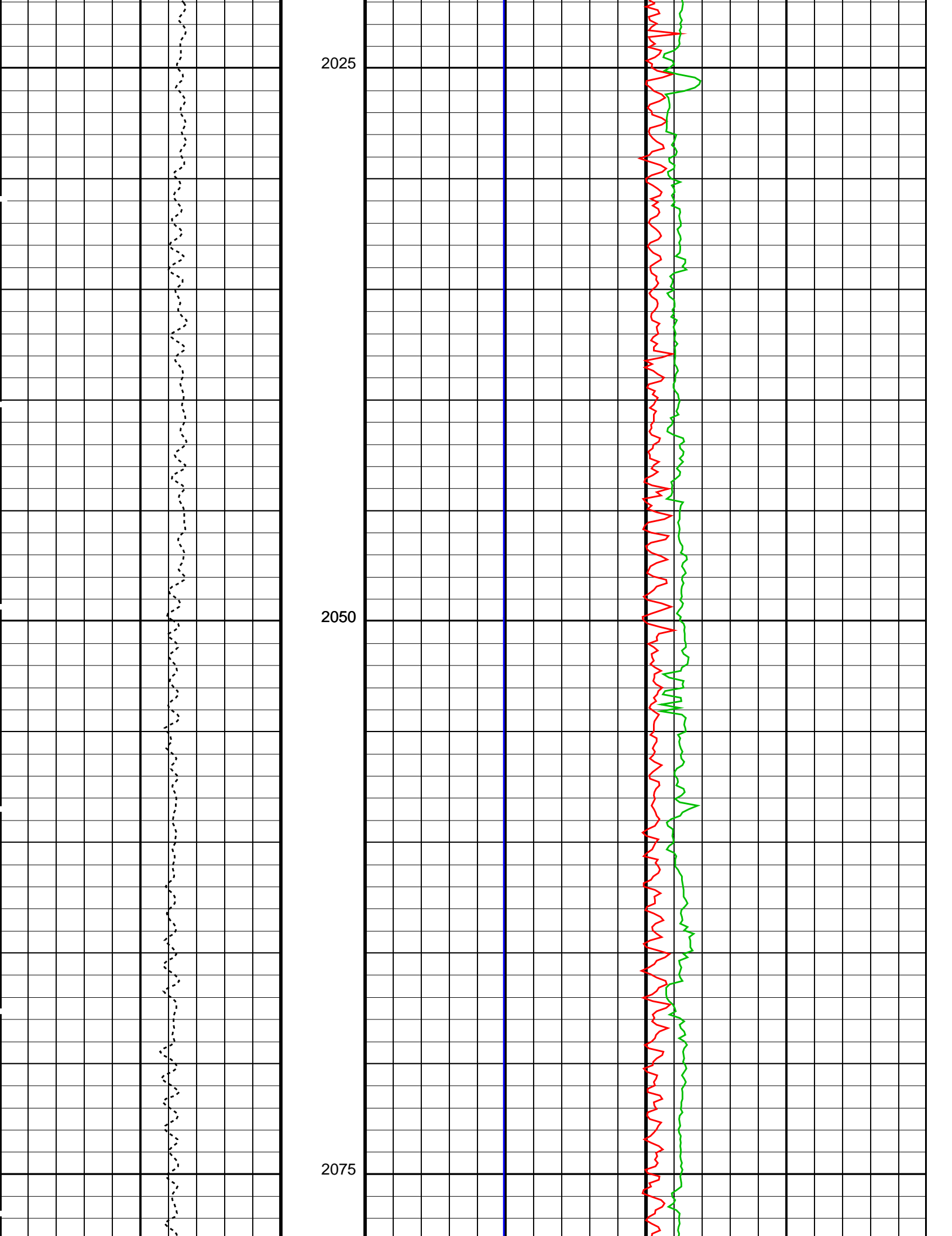
1925

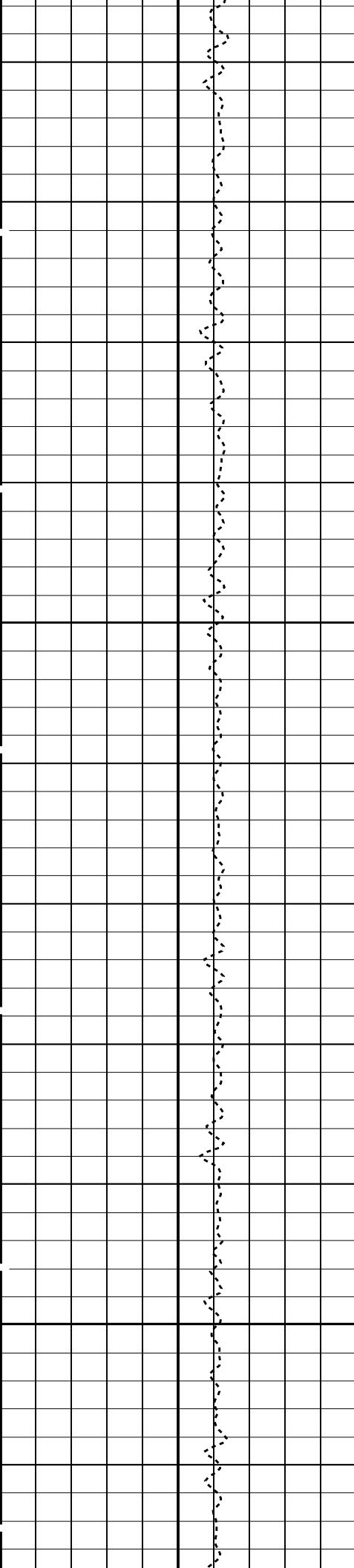
1950





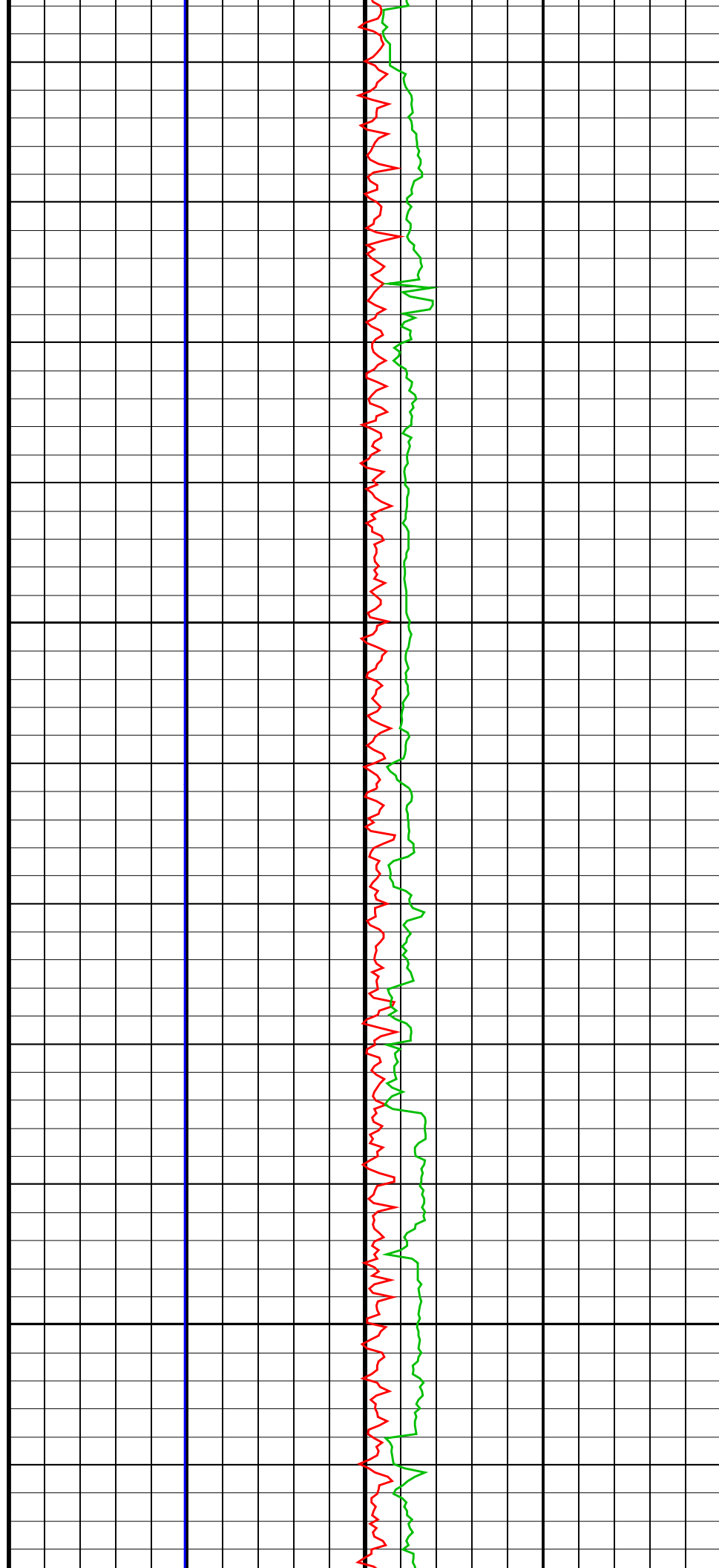


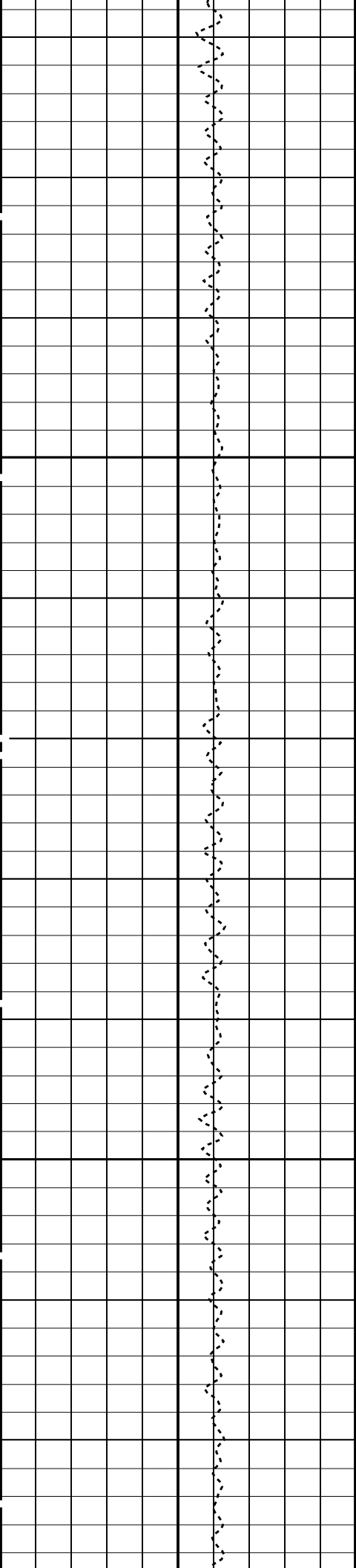




2100

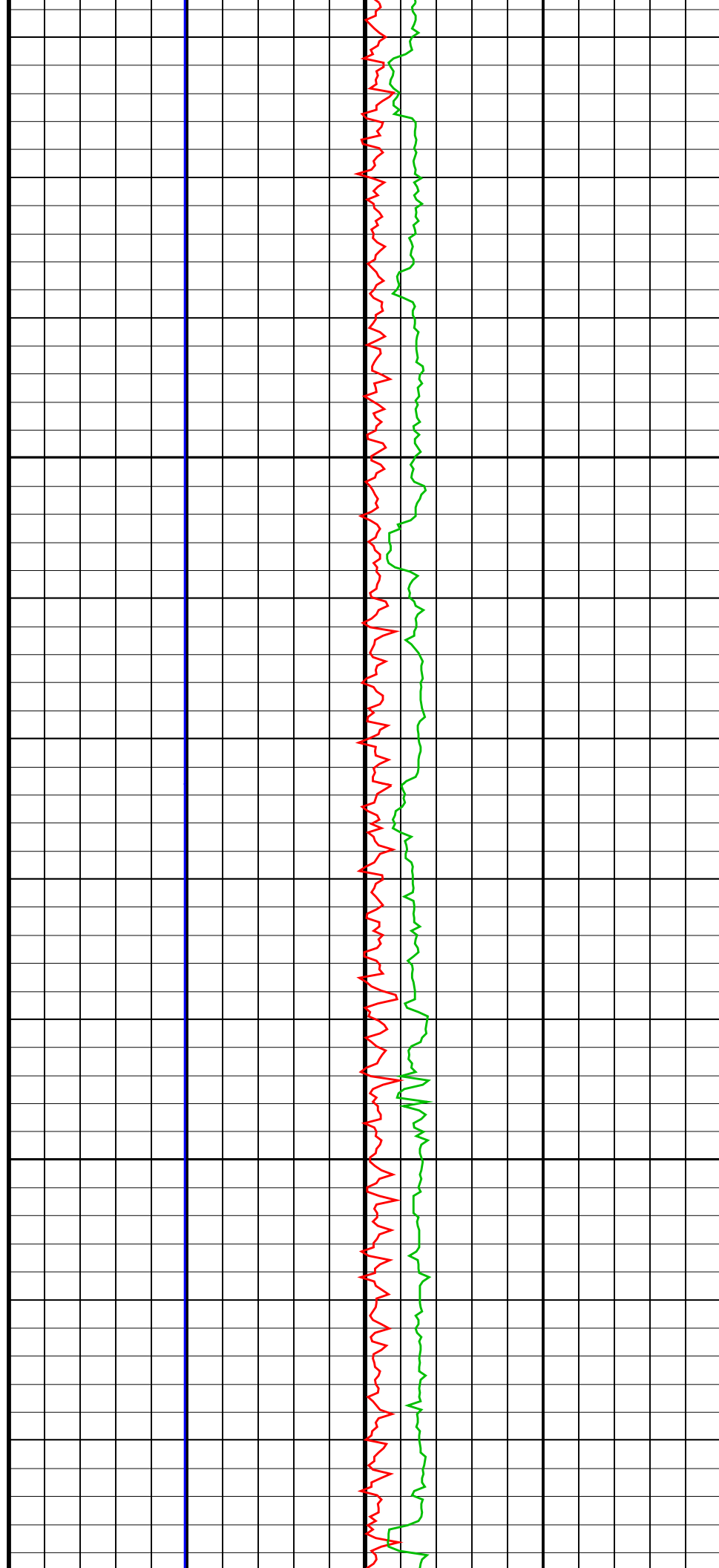
2125

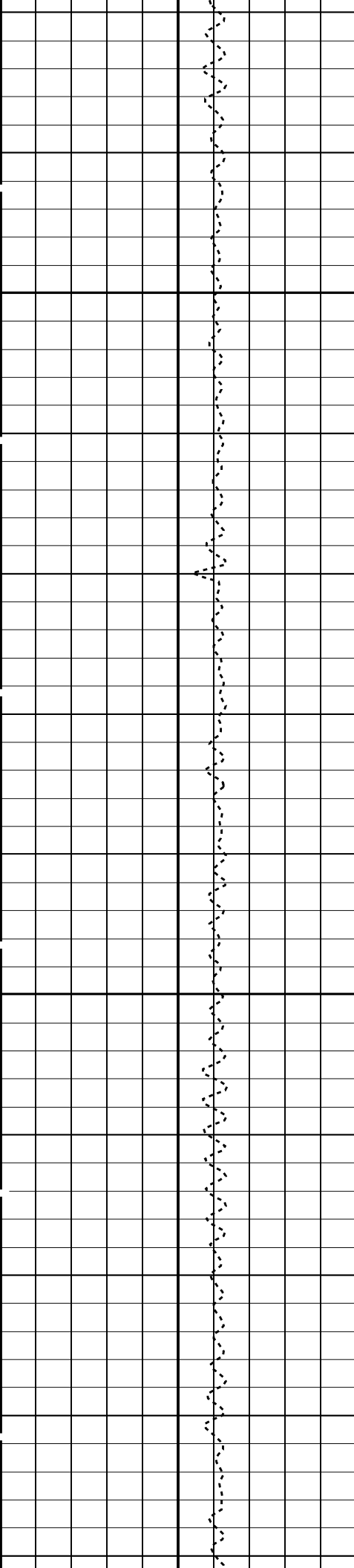




2150

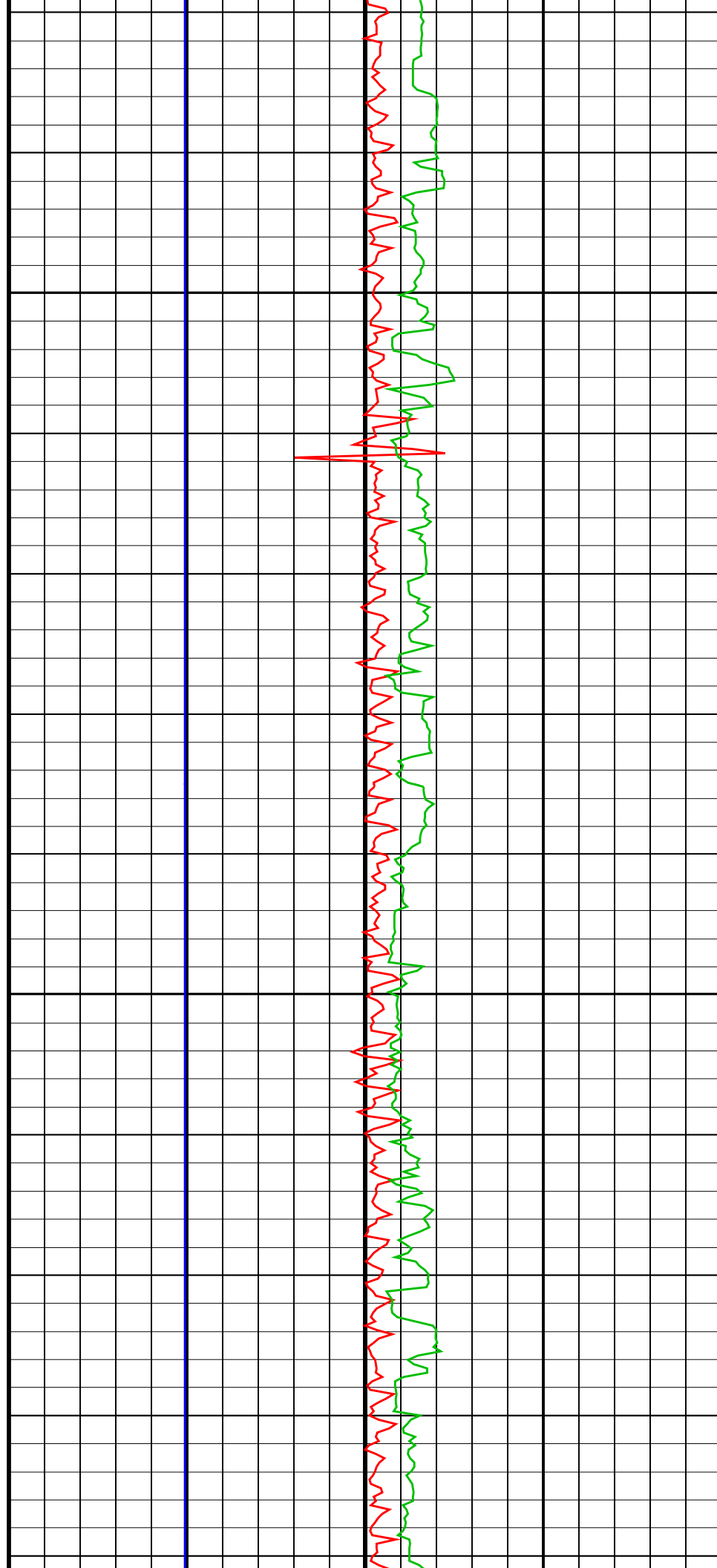
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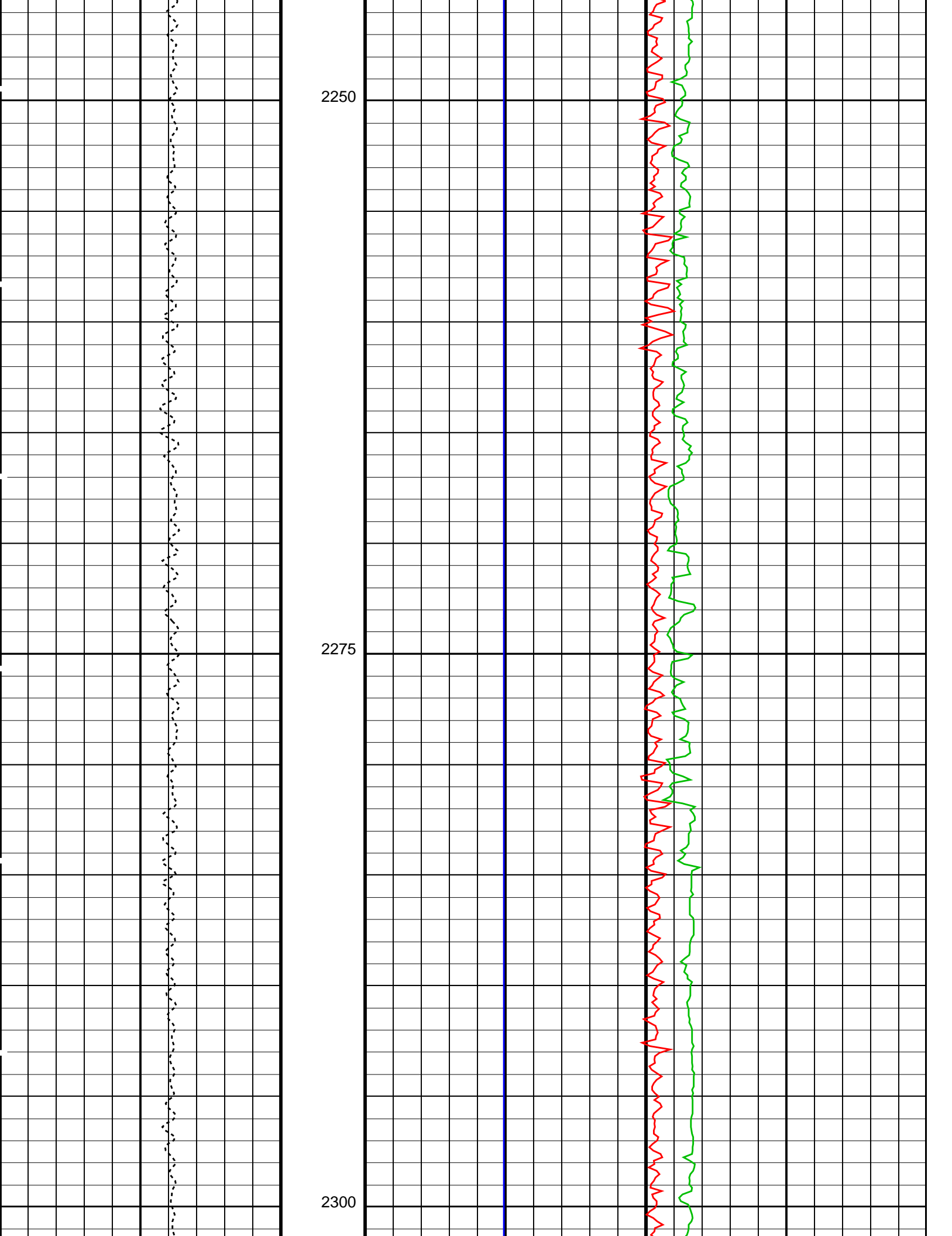


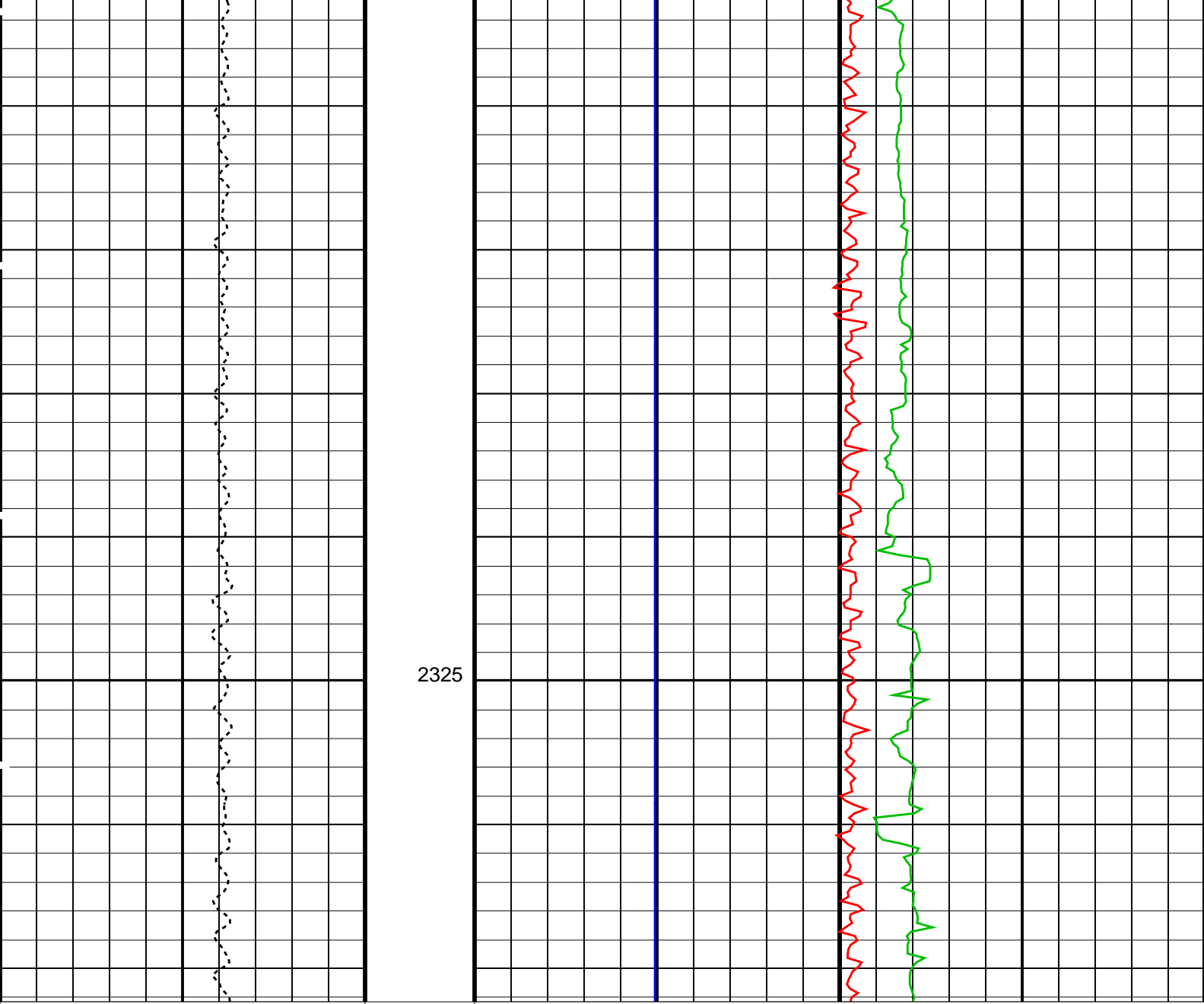


2200

2225







Tension (TENS)  
(LBF) 0 10000

Axial Acceleration (MSSZACC\_LDEO)  
(M/S2) 0 20

High-Res Susceptibility (MSSHSUS\_LDEO)  
(PPM) -10000 90000

Dual-Coil Susceptibility (MSSLSUS\_LDEO)  
(PPM) -10000 90000

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback	0.0 M
	Playback Processing	NORMAL

Format: MSS\_Logging Vertical Scale: 1:200 Graphics File Created: 09-Sep-2023 04:43

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187

HNGS-BA	19C0-187	EDTC-B	19C0-187
Input DLIS Files			
DEFAULT	Flip_MSS_LDEO_DSI_005LUP	PRODUCER	09-Sep-2023 03:13 2334.0 M 1908.8 M
Output DLIS Files			
DEFAULT	MSS_LDEO_DSI_HRLA_008PUP	FN:6	PRODUCER 09-Sep-2023 04:43



Repeat Pass

MAXIS Field Log

Company: International Ocean Discovery Program	Well: Expedition 400, Site U1604B
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Output DLIS Files			
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER 09-Sep-2023 03:15 2384.3 M 2284.9 M

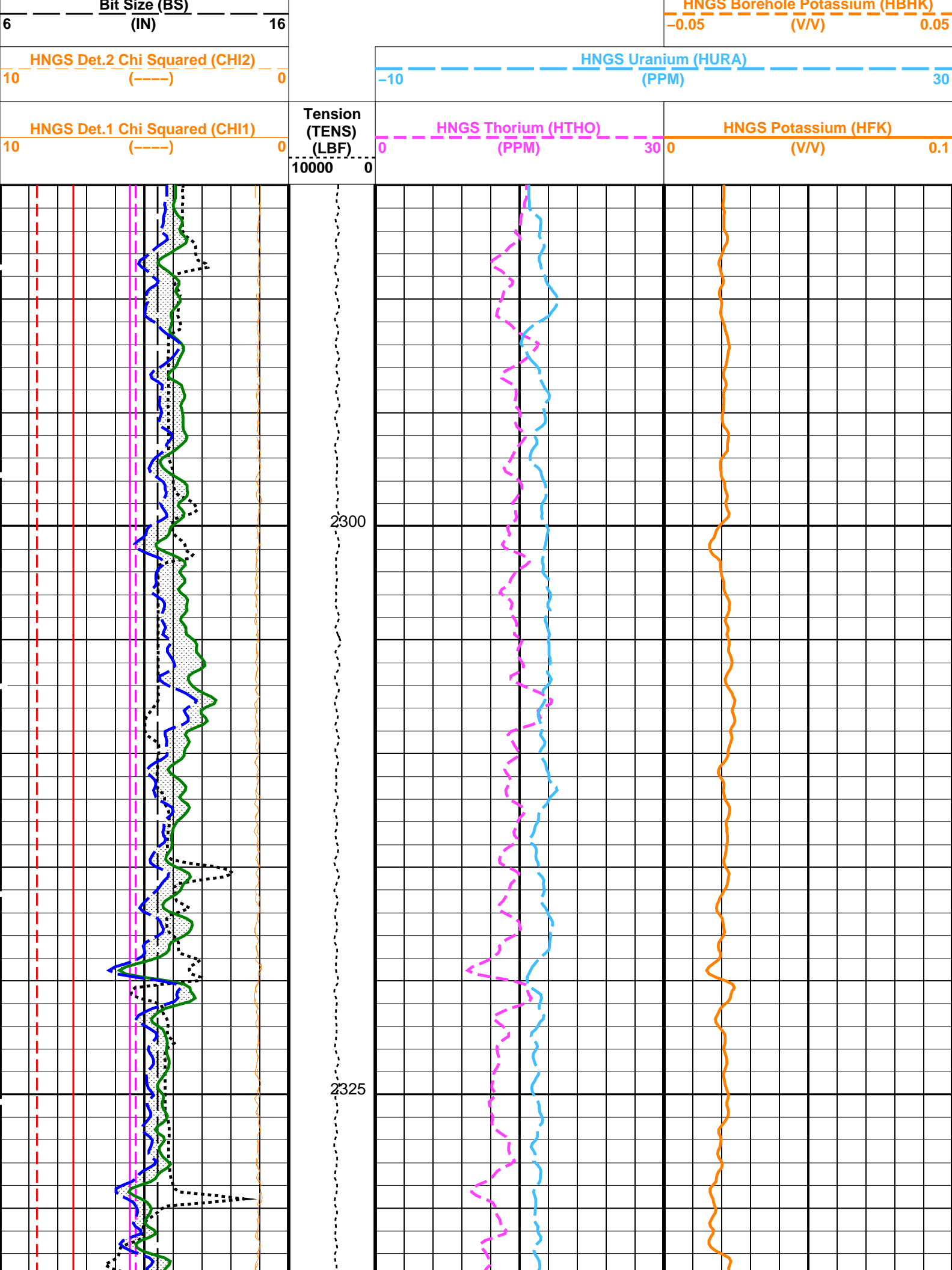
OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

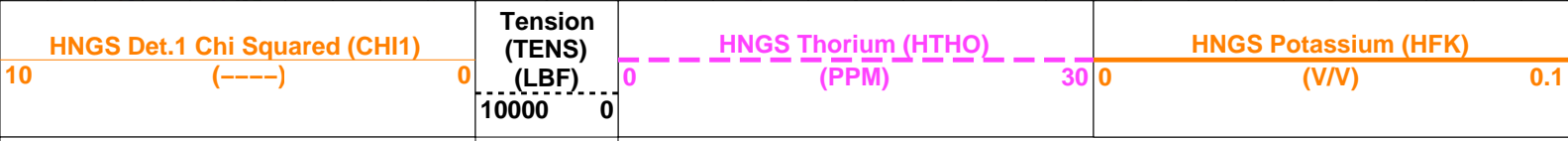
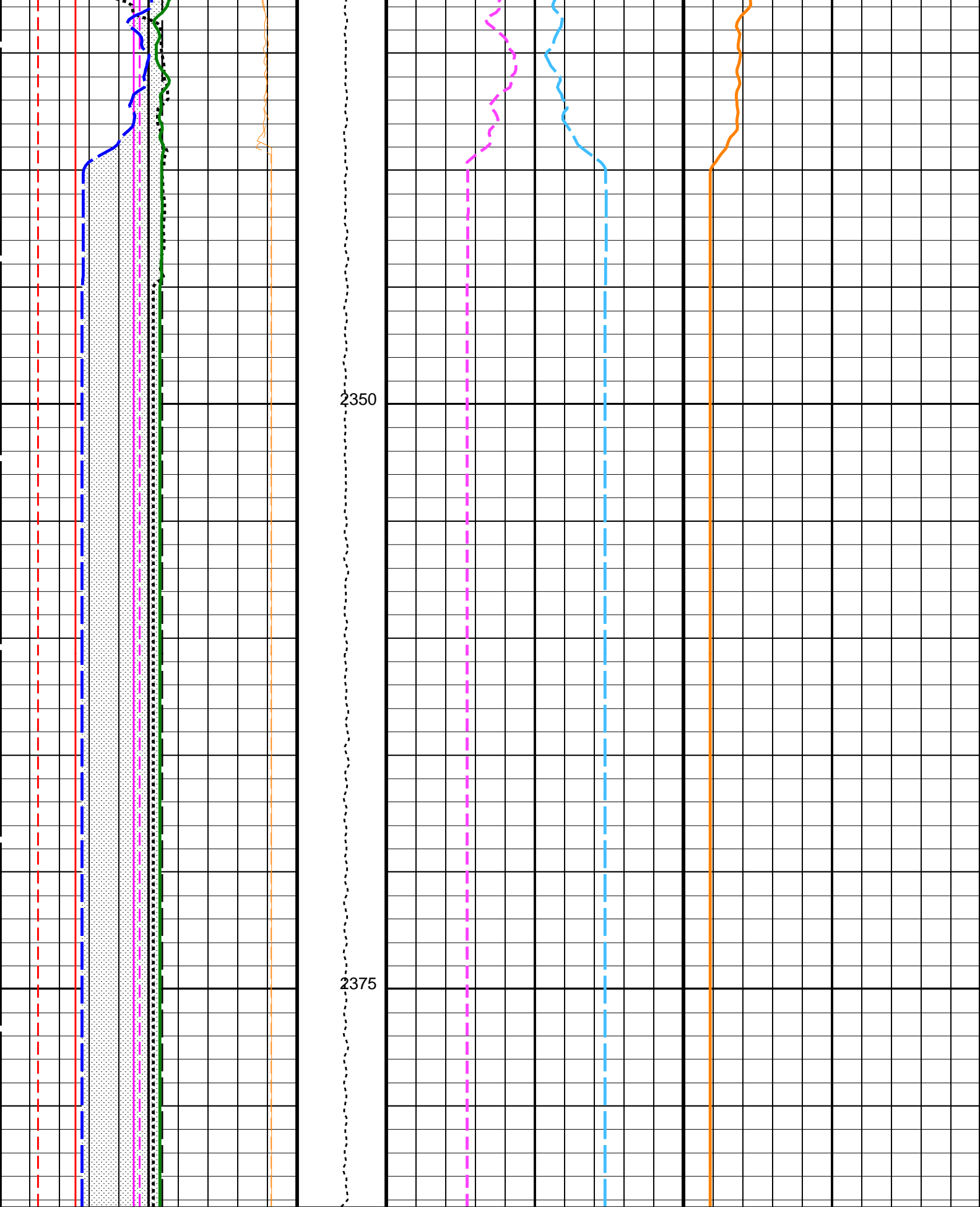
Time Mark Every 60 S		PIP SUMMARY
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HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	150
HNGS Det.2 Resolution Degradation Factor (RDF2)		
0	(-----)	10
HNGS Det.1 Resolution Degradation Factor (RDF1)		
0	(-----)	10
HNGS Det.2 Gain Correction Factor (GCF2)		
0.9	(-----)	1.1
HNGS Det.1 Gain Correction Factor (GCF1)		
0.9	(-----)	1.1
Area1 From HCGR to HSGR		
HNGS Computed Gamma Ray (HCGR)		
0	(GAPI)	150
Caliper (LCAL)		
6	(IN)	16

HNGS Det.1 Resolution Degradation Factor (RDF1)







HNGS Det.2 On Equared (ON2)			HNGS Gamma Ray (HGR)		
10	(-----)	0	-10	(PPM)	30
Bit Size (BS)			HNGS Borehole Potassium (HBHK)		
6	(IN)	16	-0.05	(V/V)	0.05
Caliper (LCAL)					
6	(IN)	16			
HNGS Computed Gamma Ray (HCGR)					
0	(GAPI)	150			
Area1 From HCGR to HSGR					
HNGS Det.1 Gain Correction Factor (GCF1)					
0.9	(-----)	1.1			
HNGS Det.2 Gain Correction Factor (GCF2)					
0.9	(-----)	1.1			
HNGS Det.1 Resolution Degradation Factor (RDF1)					
0	(-----)	10			
HNGS Det.2 Resolution Degradation Factor (RDF2)					
0	(-----)	10			
HNGS Spectroscopy Gamma Ray (HSGR)					
0	(GAPI)	150			

## PIP SUMMARY

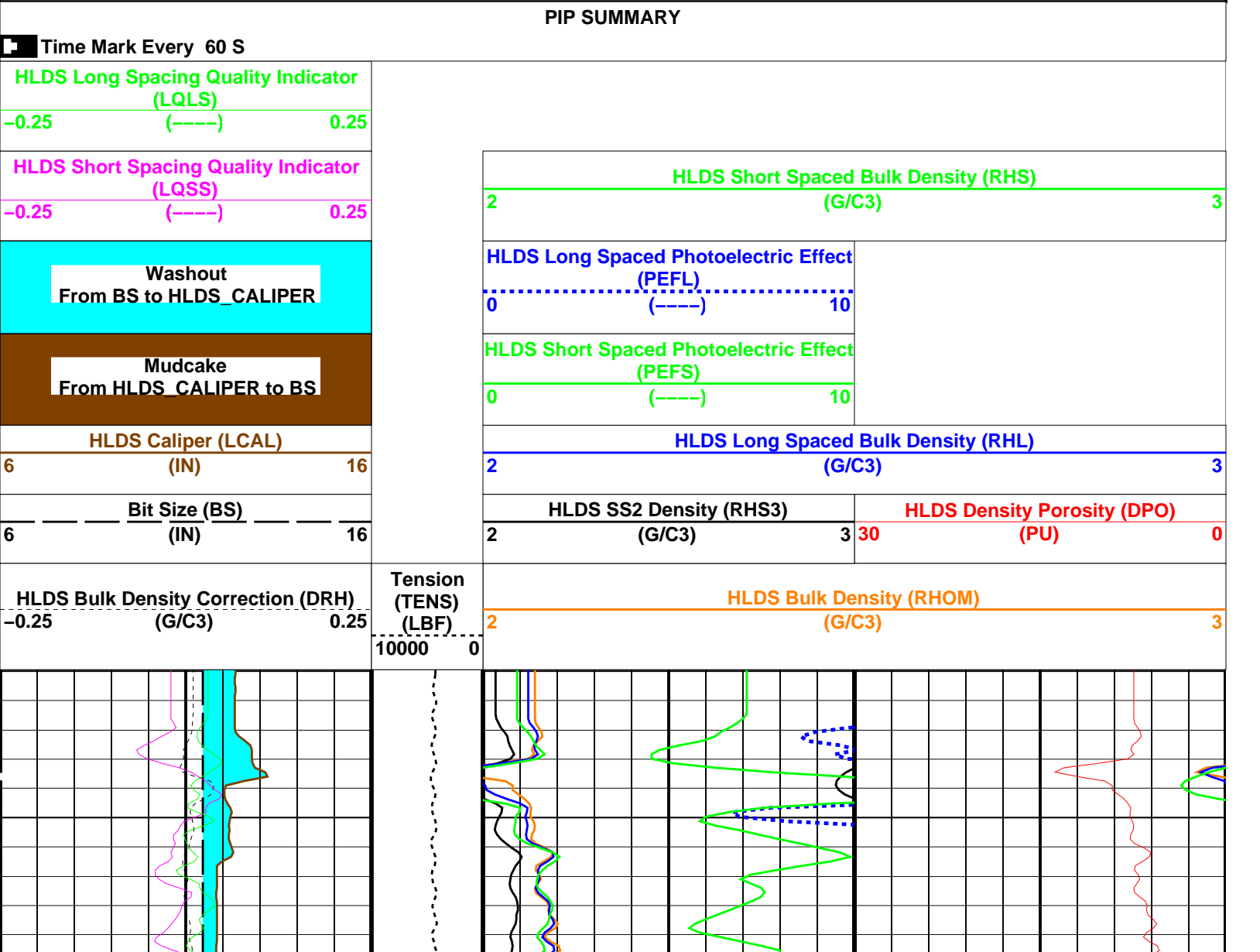
Time Mark Every 60 S

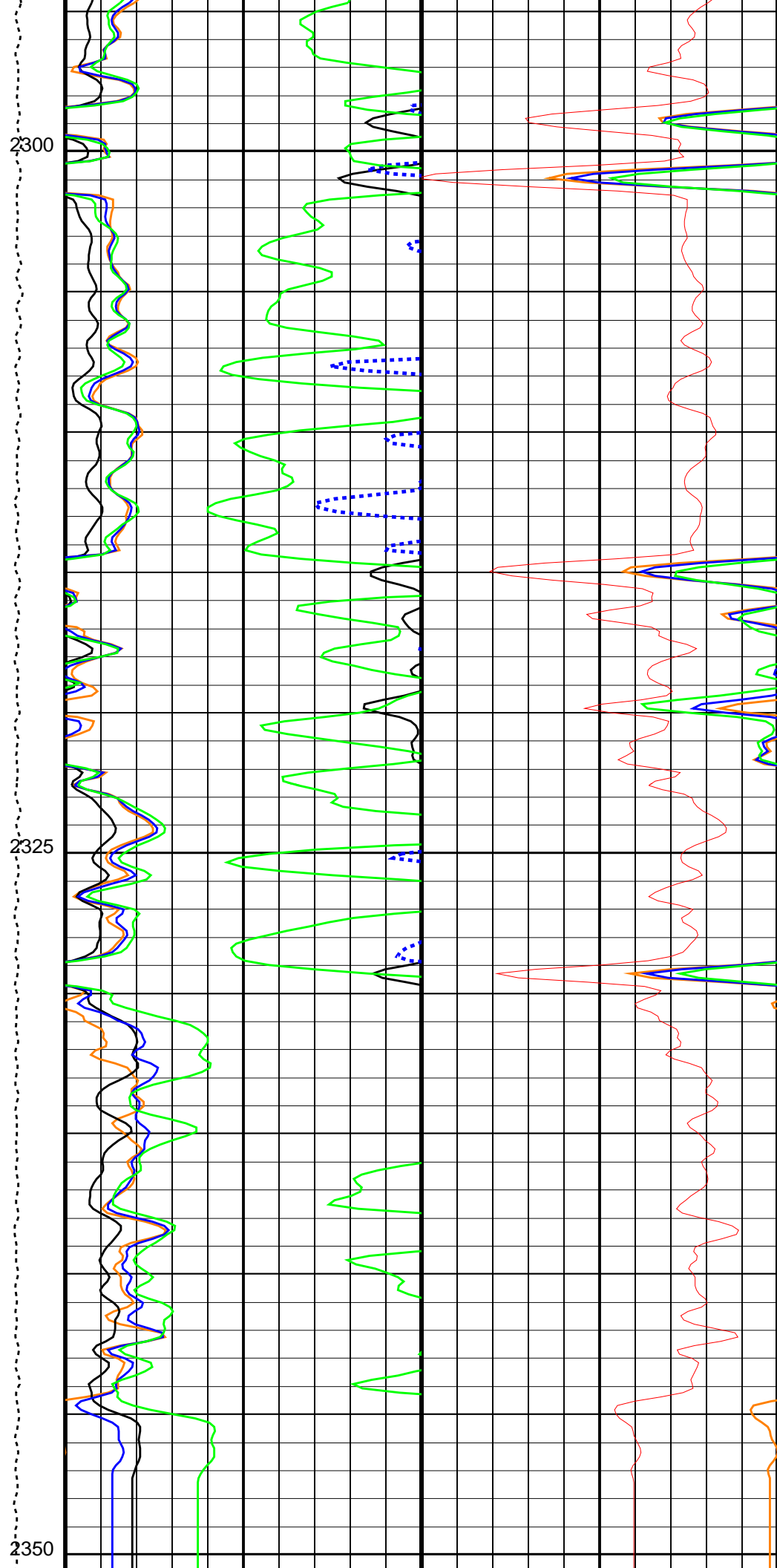
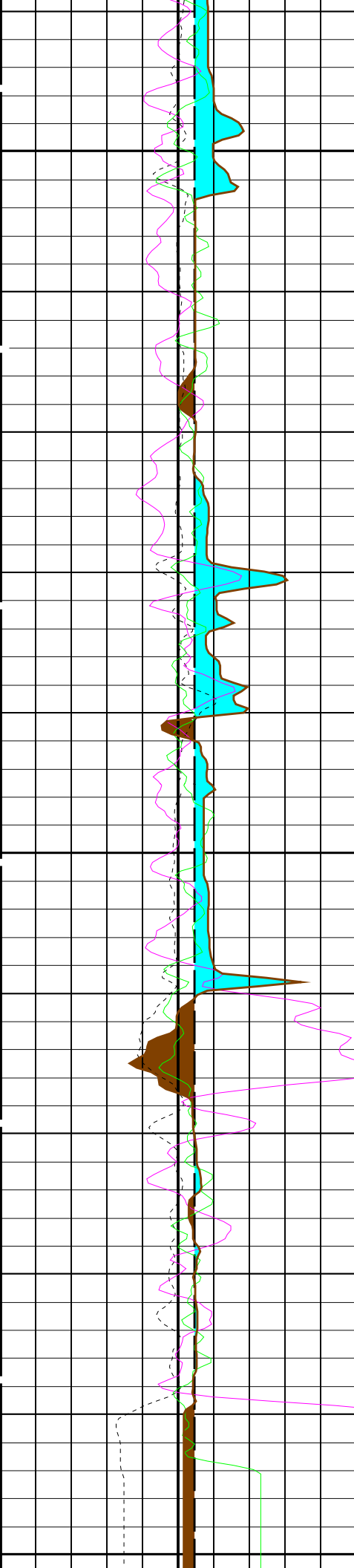
## Parameters

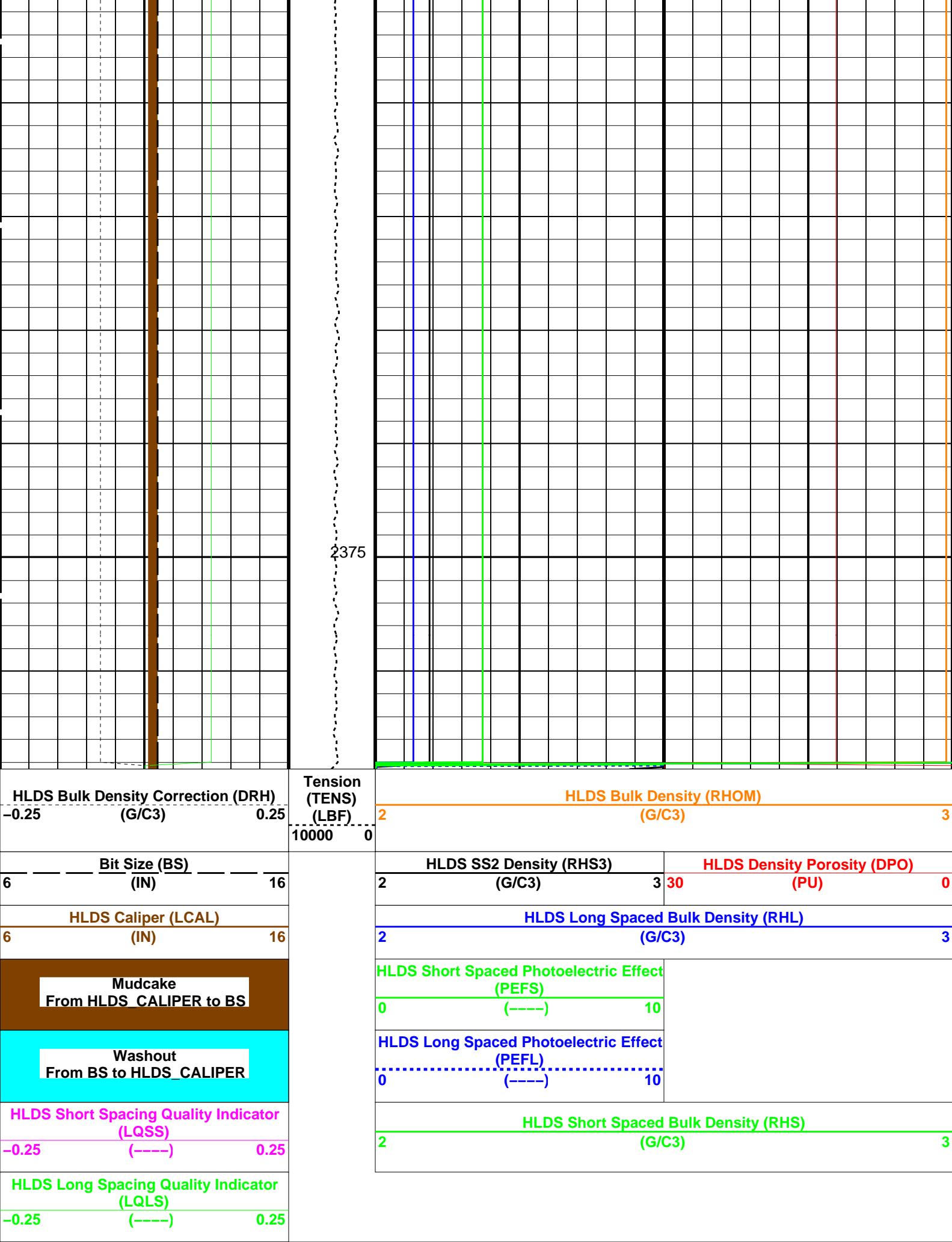
DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 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	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.0274146	
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	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.970557	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.969381	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	11 438	IN

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 09-Sep-2023 03:15
OP System Version: 19C0-187		
MSS_LDEO-A	19C0-187	DSST-B 19C0-187
HRLT-B	19C0-187	HLDS 19C0-187
LDSC-B	19C0-187	HNGC-B 19C0-187
HNGS-BA	19C0-187	EDTC-B 19C0-187
Output DLIS Files		
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4 PRODUCER 09-Sep-2023 03:15

Company: International Ocean Discovery Program				Well: Expedition 400, Site U1604B			
Output DLIS Files							
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OP System Version: 19C0-187							
MSS_LDEO-A	19C0-187		DSST-B	19C0-187			
HRLT-B	19C0-187		HLDS	19C0-187			
LDSC-B	19C0-187		HNGC-B	19C0-187			
HNGS-BA	19C0-187		EDTC-B	19C0-187			







Parameters			
DLIS Name	Description	Value	
HLDS: Hostile Litho-Density Sonde			
DHC	Density Hole Correction	CALIPER	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1	G/C3
LATC	HLDS Activation Correction	OFF	
MDEN	Matrix Density	2.71	G/C3
EDTC-B: Enhanced DTS Cartridge			
DPPM	Density Porosity Processing Mode	HIRS	
System and Miscellaneous			
BS	Bit Size	11.438	IN
Format: HLDSDensityPE		Vertical Scale: 1:200	
		Graphics File Created: 09-Sep-2023 03:15	

## OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

## Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER	09-Sep-2023 03:15
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Company: International Ocean Discovery ProgramWell: Expedition 400, Site U1604B

## Output DLIS Files

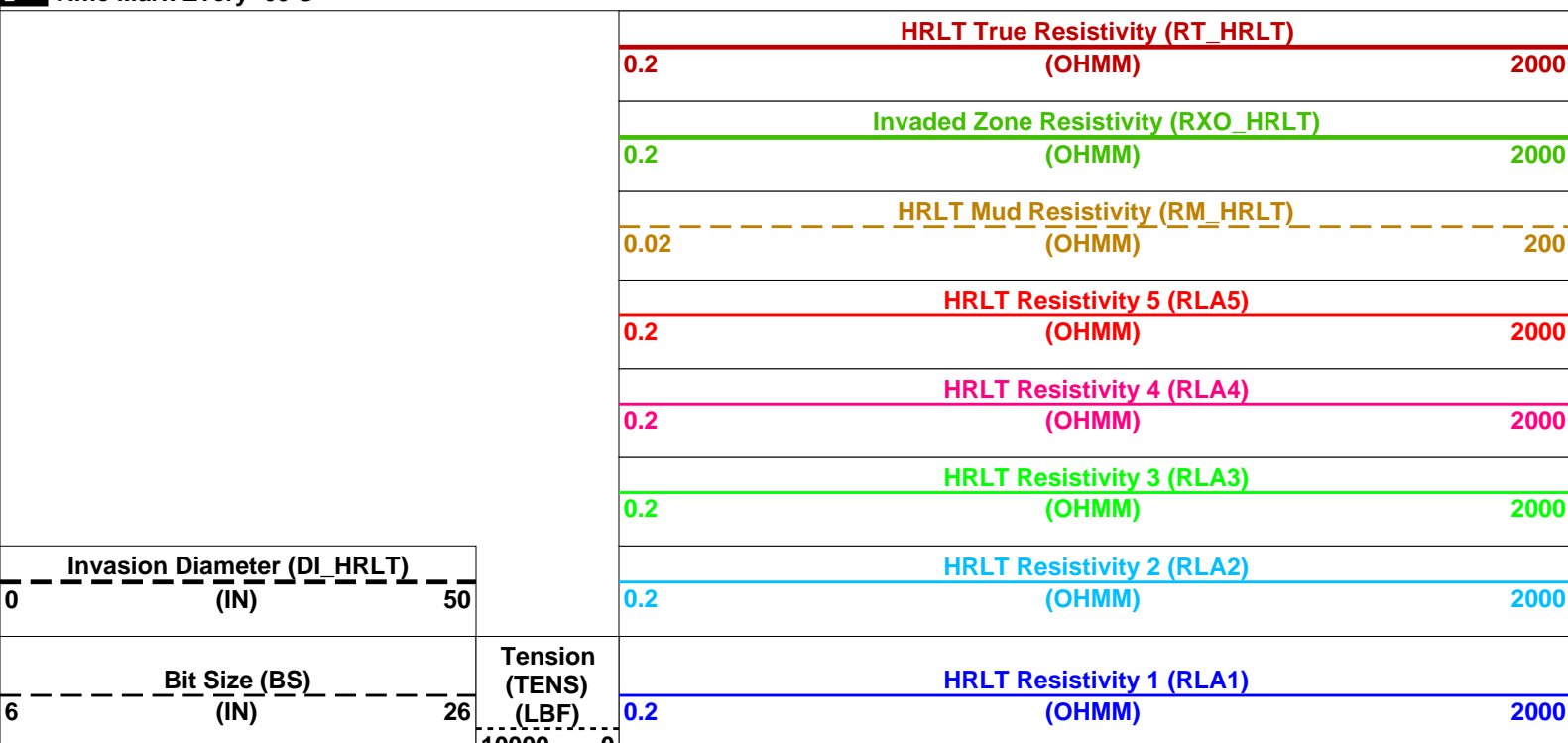
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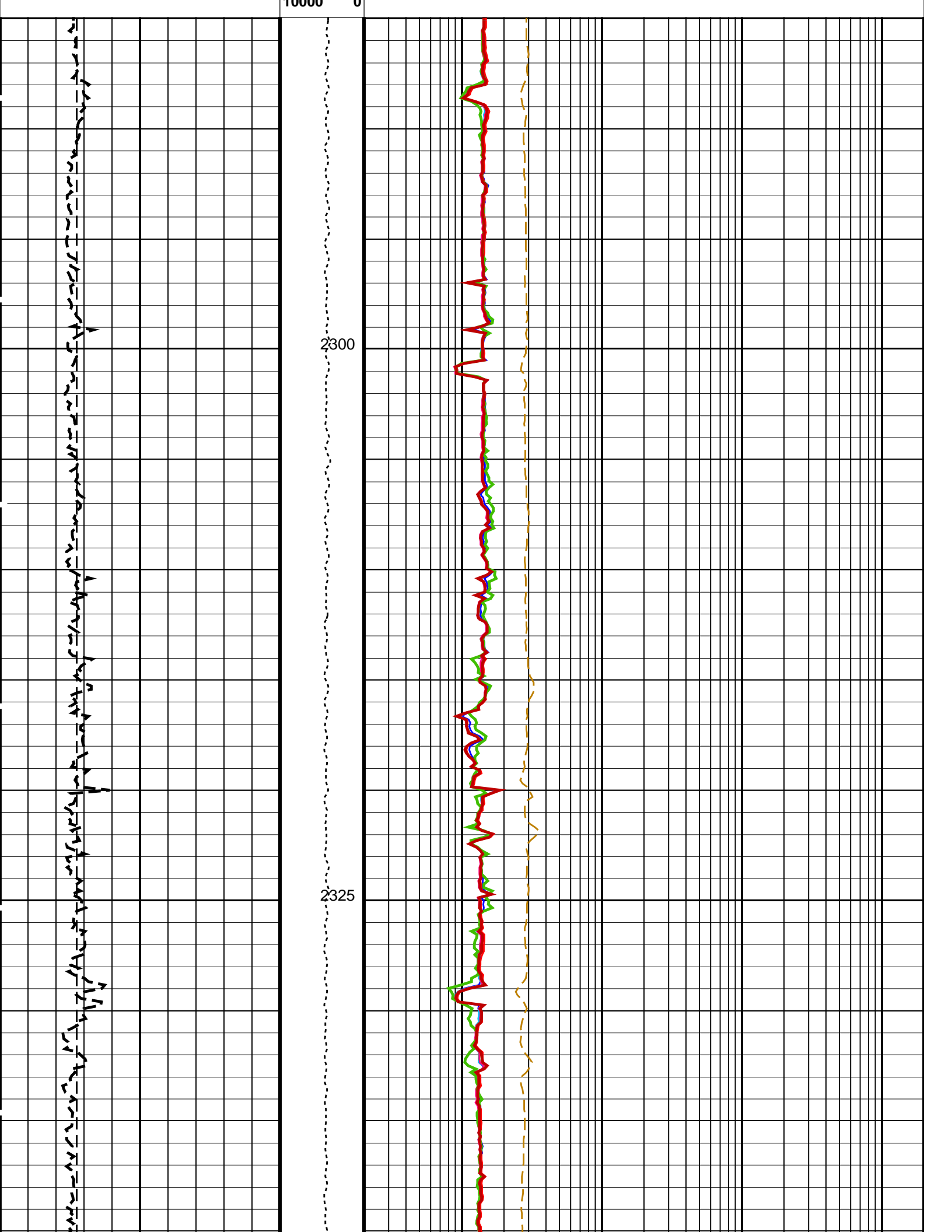
## OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

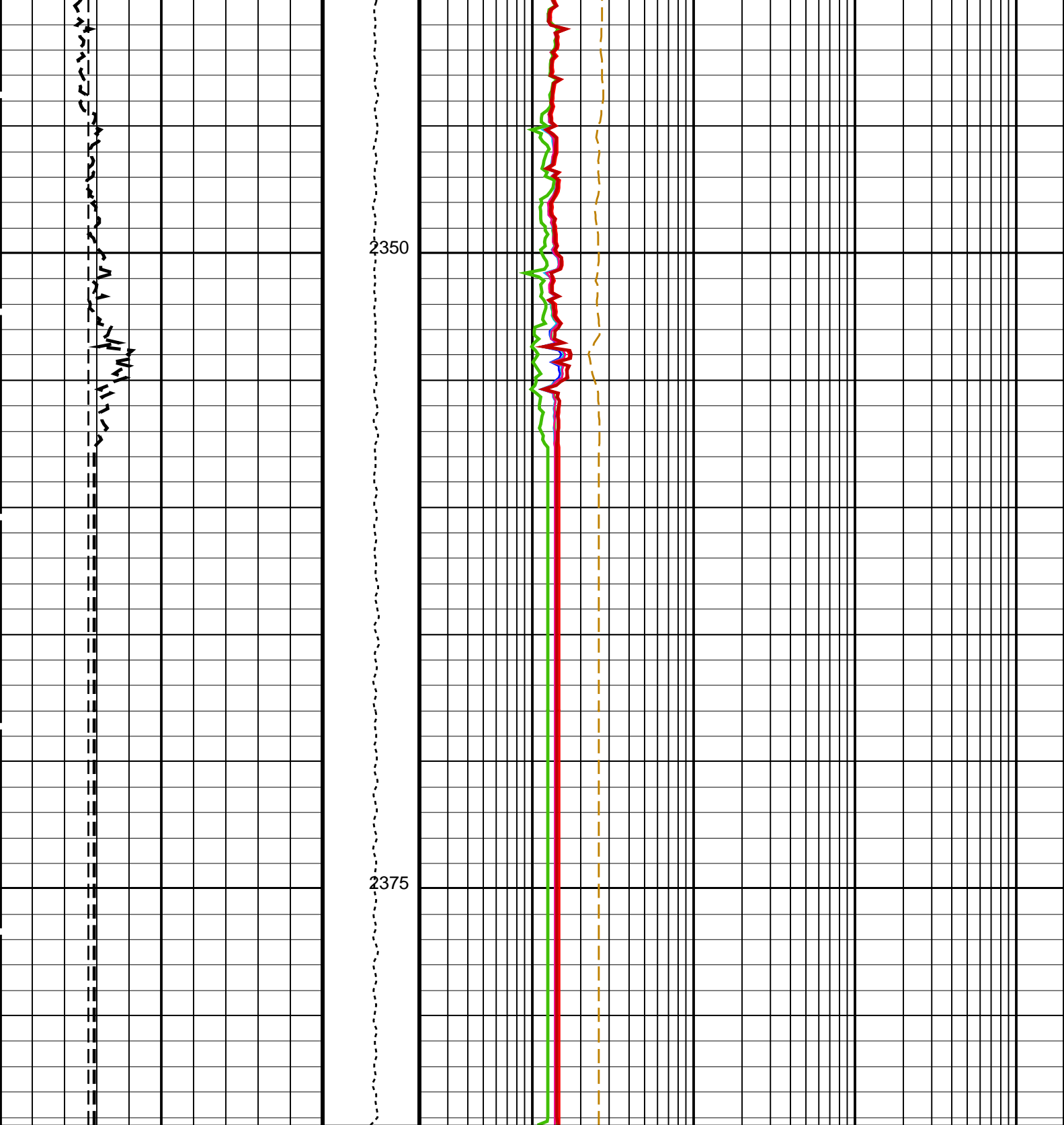
## PIP SUMMARY

Time Mark Every 60 S









<div>Bit Size (BS) (IN)</div> <div>626</div>	<div>Tension (TENS) (LBF)</div> <div>100000</div>	<div>HRLT Resistivity 1 (RLA1) (OHMM)</div> <div>0.22000</div>
		<div>HRLT Resistivity 2 (RLA2) (OHMM)</div> <div>0.22000</div>
		<div>HRLT Resistivity 3 (RLA3) (OHMM)</div> <div>0.22000</div>
		<div>HRLT Resistivity 4 (RLA4) (OHMM)</div> <div>0.22000</div>
		<div>HRLT Resistivity 5 (RLA5)</div>

	0.2	(OHMM)	2000
	0.02	HRLT Mud Resistivity (RM_HRLT) (OHMM)	200
	0.2	Invaded Zone Resistivity (RXO_HRLT) (OHMM)	2000
	0.2	HRLT True Resistivity (RT_HRLT) (OHMM)	2000

PIP SUMMARY			
Time Mark Every 60 S			

Parameters			
DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
HRLT-B: High Resolution Laterolog Array – B			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROGINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSP0	Sonde Position	Centered	
SHT	Surface Hole Temperature	68	DEGF
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
EDTC-B: Enhanced DTS Cartridge			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
BS	Bit Size	11.438	IN
MST	Mud Sample Temperature	23.00	DEGC
TD	Total Depth	10190.3	FT

Format: HRLT	Vertical Scale: 1:200	Graphics File Created: 09-Sep-2023 03:15
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OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

Output DLIS Files			
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER 09-Sep-2023 03:15

Company: International Ocean Discovery Program		Well: Expedition 400, Site U1604B	
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Output DLIS Files					
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER	09-Sep-2023 03:15	2384.3 M 2284.9 M

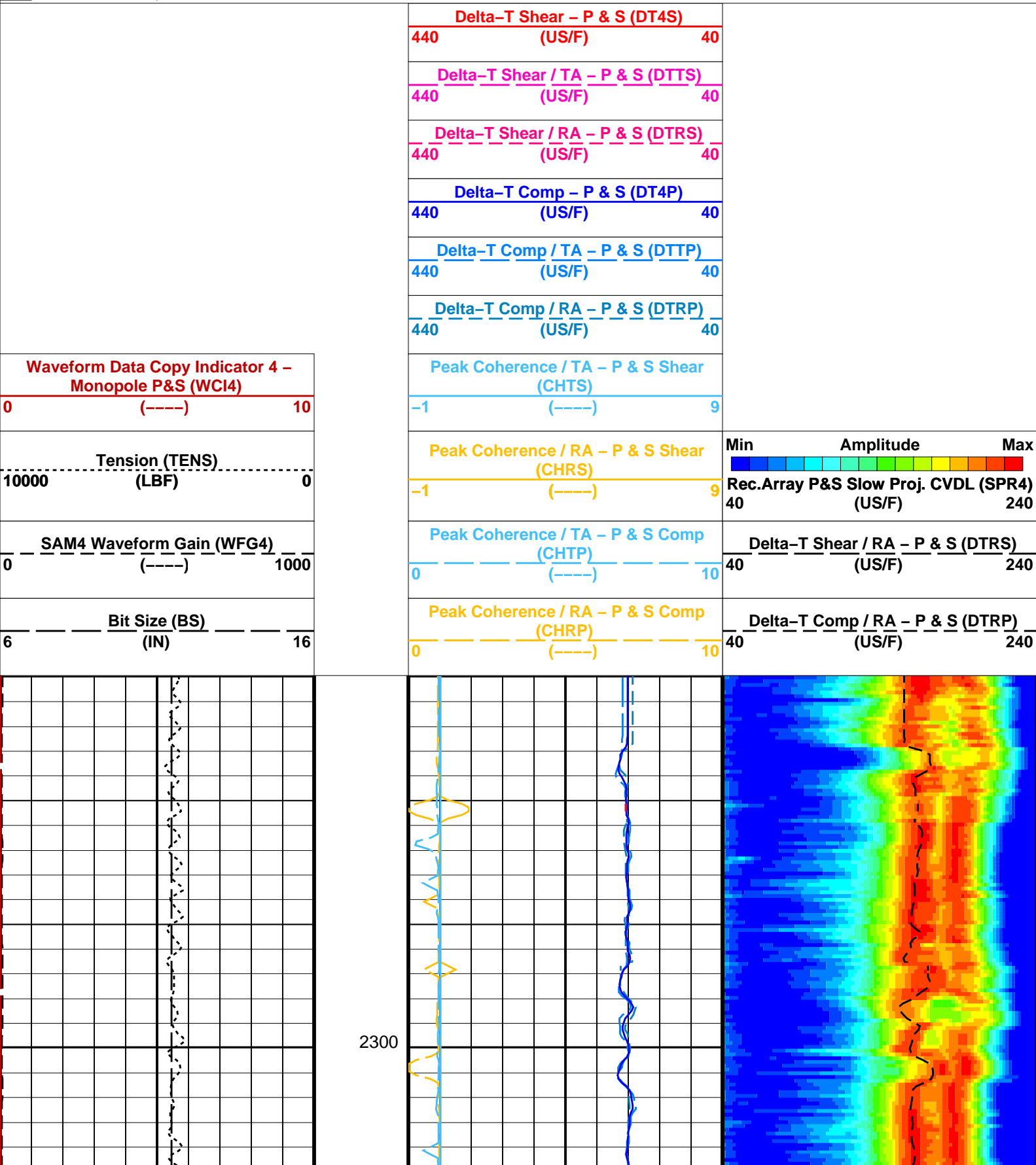
OP System Version: 19C0-187

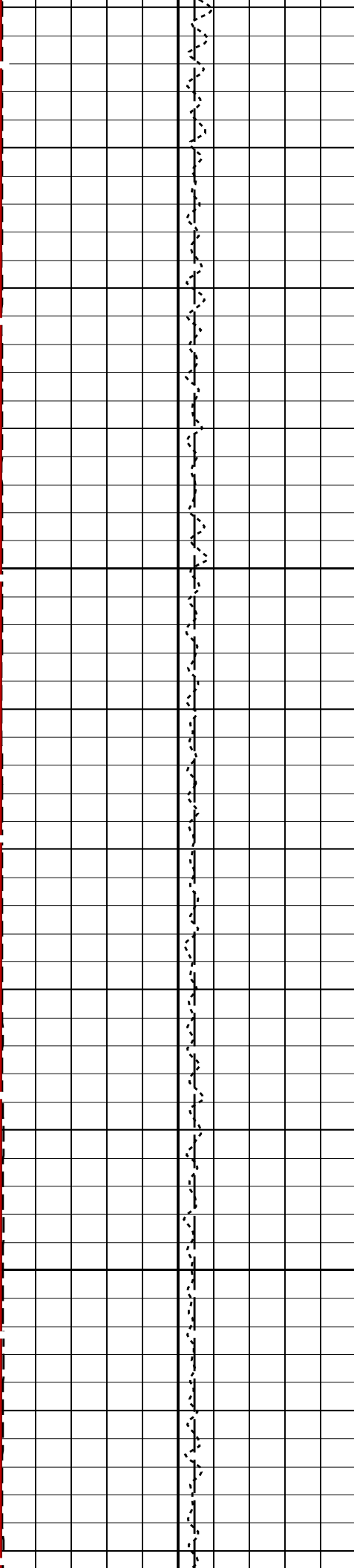
MSS\_LDEO-A 19C0-187  
HRLT-B 19C0-187  
LDSC-B 19C0-187  
HNGS-BA 19C0-187

DSST-B 19C0-187  
HLDS 19C0-187  
HNGC-B 19C0-187  
EDTC-B 19C0-187

PIP SUMMARY

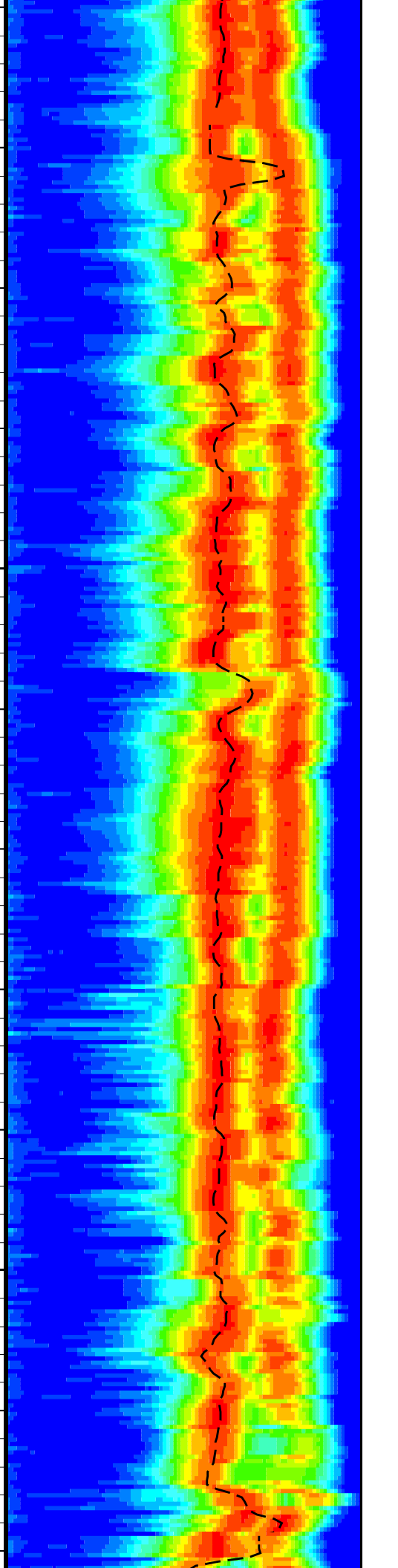
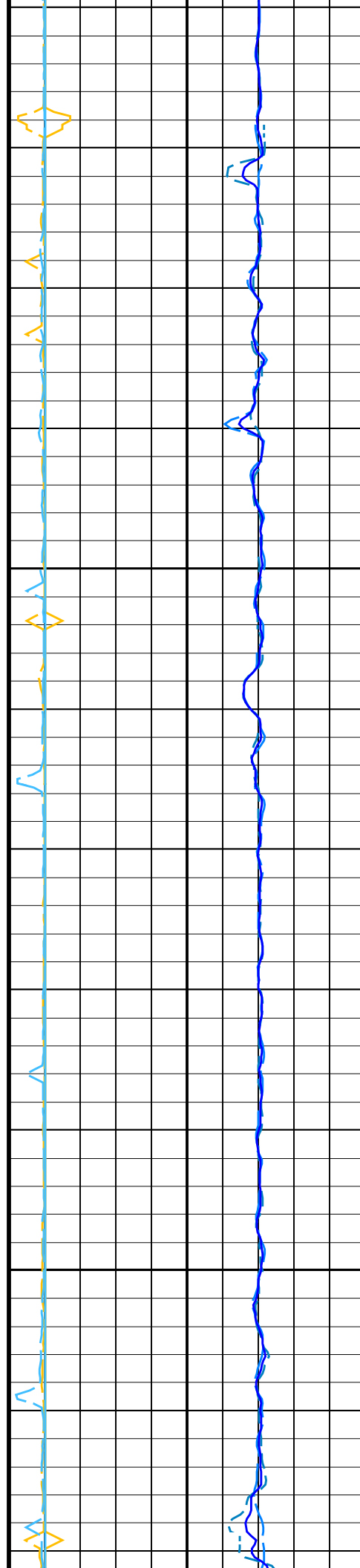
Time Mark Every 60 S

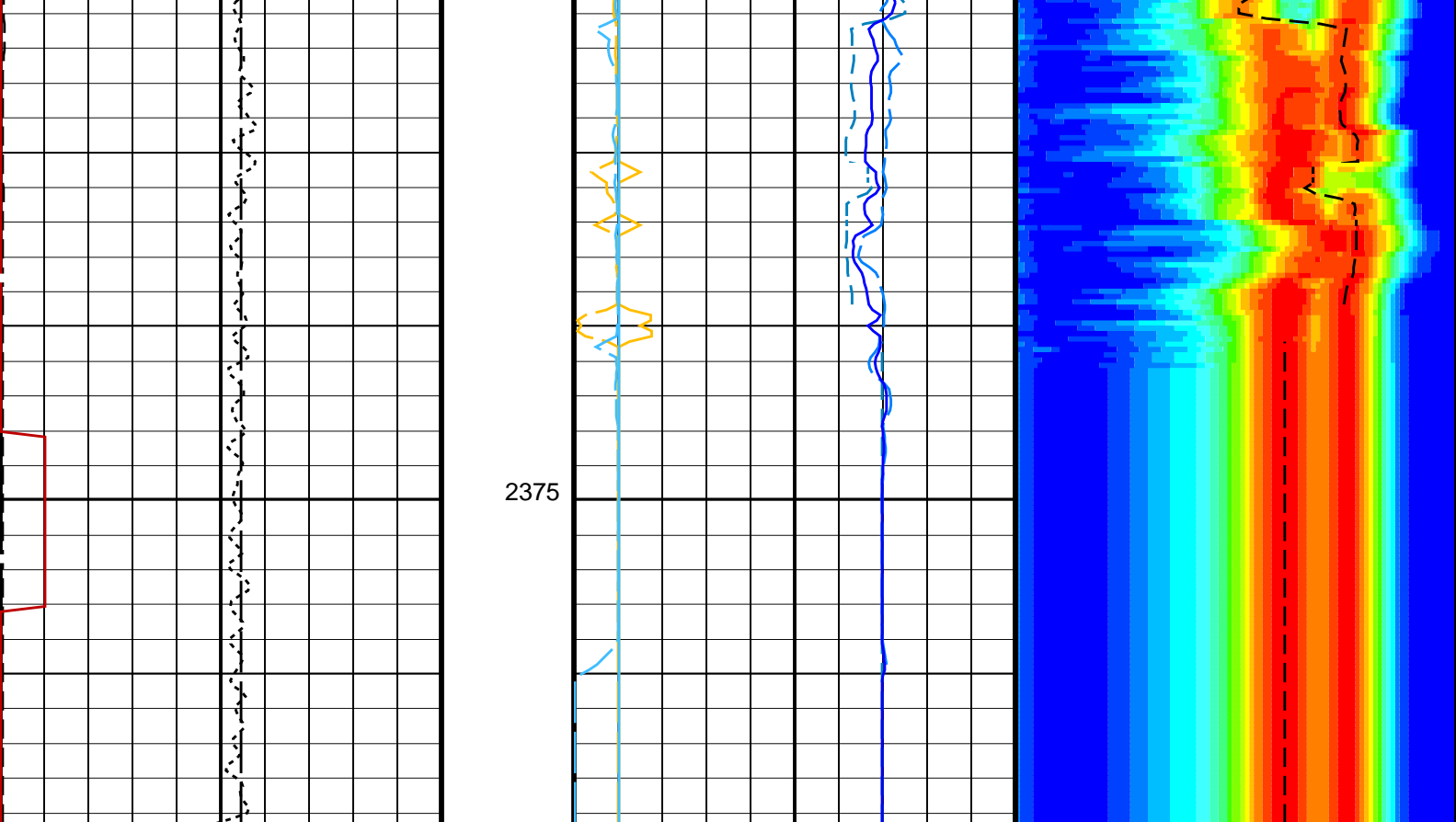




2325

2350





<div>Bit Size (BS) (IN)</div> <div>616</div>	<div>Peak Coherence / RA – P &amp; S Comp (CHRP)</div> <div>010</div> <div>(----</div>	<div>Delta-T Comp / RA – P &amp; S (DTRP)</div> <div>40240</div> <div>(US/F)</div>
<div>SAM4 Waveform Gain (WFG4) (-----)</div> <div>01000</div>	<div>Peak Coherence / TA – P &amp; S Comp (CHTP)</div> <div>010</div> <div>(----</div>	<div>Delta-T Shear / RA – P &amp; S (DTRS)</div> <div>40240</div> <div>(US/F)</div>
<div>Tension (TENS) (LBF)</div> <div>100000</div>	<div>Peak Coherence / RA – P &amp; S Shear (CHRS)</div> <div>-19</div> <div>(----</div>	<div>MinAmplitudeMax</div> <div>Rec.Array P&amp;S Slow Proj. CVDL (SPR4)</div> <div>40240</div> <div>(US/F)</div>
<div>Waveform Data Copy Indicator 4 – Monopole P&amp;S (WCI4)</div> <div>010</div> <div>(----</div>	<div>Peak Coherence / TA – P &amp; S Shear (CHTS)</div> <div>-19</div> <div>(----</div>	
	<div>Delta-T Comp / RA – P &amp; S (DTRP)</div> <div>44040</div> <div>(US/F)</div>	
	<div>Delta-T Comp / TA – P &amp; S (DTTP)</div> <div>44040</div> <div>(US/F)</div>	
	<div>Delta-T Comp – P &amp; S (DT4P)</div> <div>44040</div> <div>(US/F)</div>	
	<div>Delta-T Shear / RA – P &amp; S (DTRS)</div> <div>44040</div> <div>(US/F)</div>	
	<div>Delta-T Shear / TA – P &amp; S (DTTS)</div> <div>44040</div> <div>(US/F)</div>	
	<div>Delta-T Shear – P &amp; S (DT4S)</div> <div>44040</div> <div>(US/F)</div>	

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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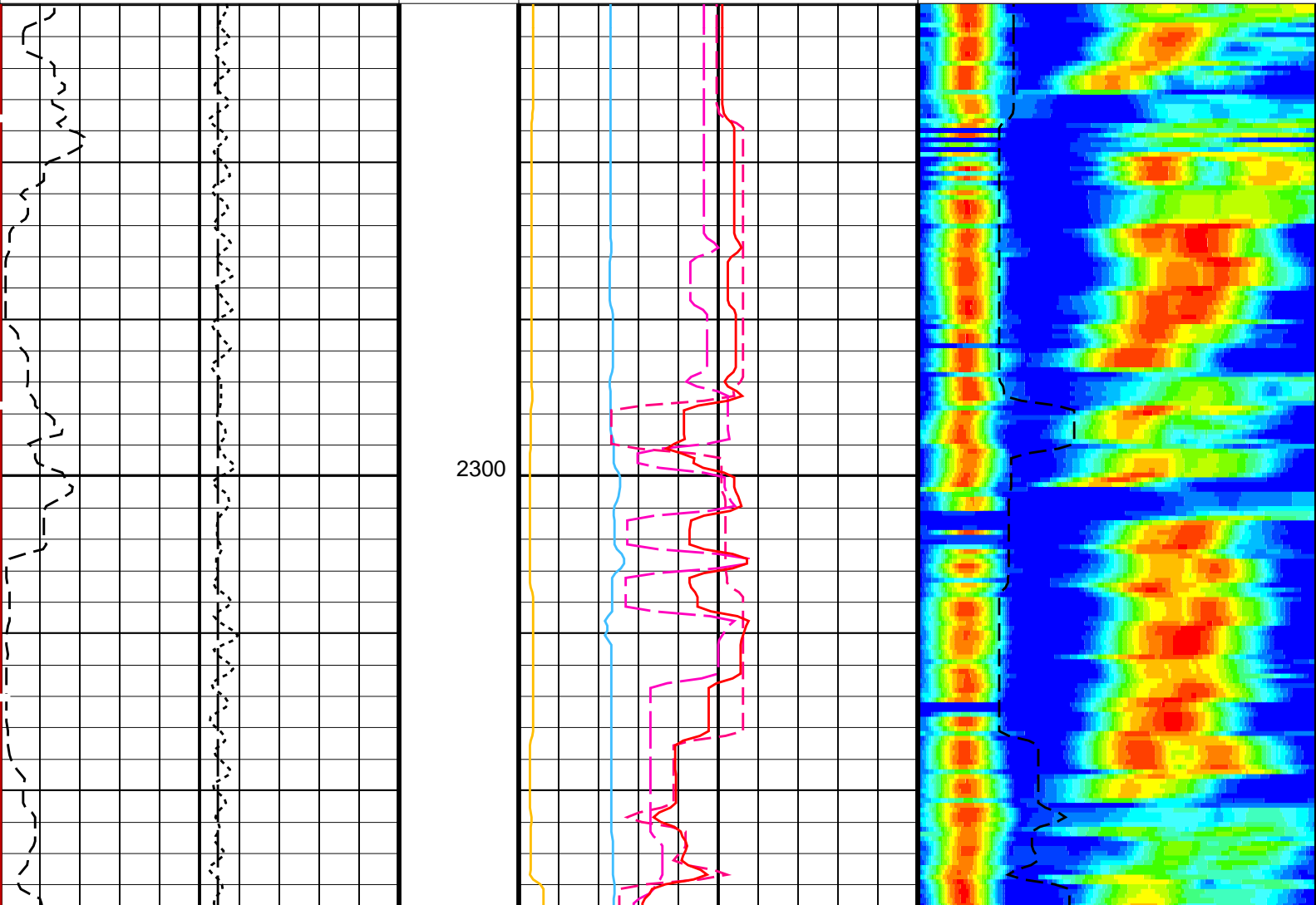
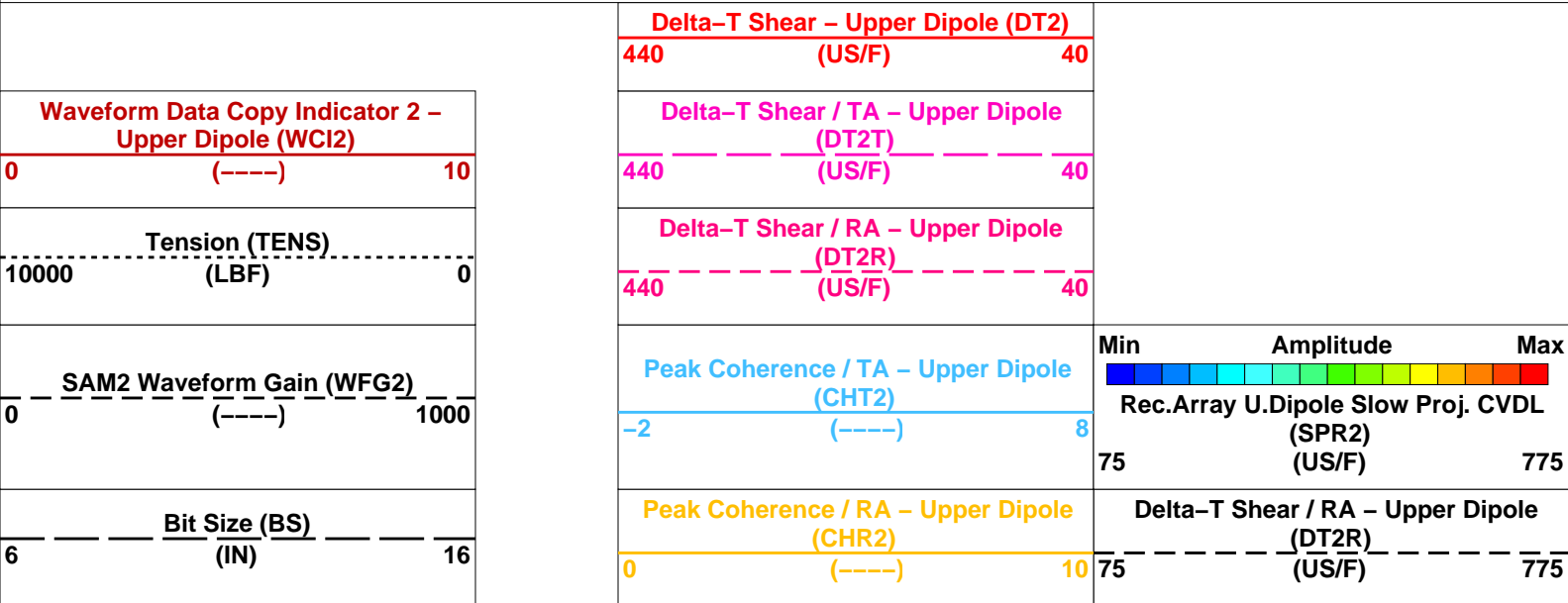
DLIS Name		Description		Values	
DSST-B: Dipole Shear Imager – B					
BHS		Borehole Status		OPEN	
CASF		Label Casing Function – Monopole P&S		50	
COLL		Label Slowness Lower Limit – Monopole P&S Compressional		40	US/F
COUL		Label Slowness Upper Limit – Monopole P&S Compressional		240	US/F
DDE4		Digitizing Delay 4		0	US
DDEX		Digitizing Delay X		0	US
DSI4		Digitizer Sample Interval 4		10	US
DSIX		Digitizer Sample Interval X		40	US
DTF		Delta-T Fluid		189	US/F
DWC4		Digitizer Word Count 4		512	
DWCX		Digitizer Word Count X		512	
FILG		Label Fill Gap Control – Monopole P&S	COMP_SHEAR		
LFC		Label Formation Character – Monopole P&S	DYNAMIC		
MCS		Mean Casing Slowness		57	US/F
MTXG		Monopole Transmitter Geometry		186	IN
NWI4		Number Waveform Items 4		8	
NWIX		Number Waveform Items X		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	LFD_ODD		
SAMX		DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF		
SAS4		STC Sonic Array Status – Monopole P&S		255	
SBO4		STC Search Band Offset – Monopole P&S		500	US
SBR4		STC Baseline Removal – Monopole P&S		ON	
SBW4		STC Search Bandwidth – Monopole P&S		2000	US
SFC4		STC Formation Character – Monopole P&S	SELECTABLE		
SFM4		STC Filter – Monopole P&S	B3-12K		
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
SSW4		STC Source Waveform – Monopole P&S	WF_SAM4		
STLL		Label Slowness Lower Limit – Monopole Stoneley		180	US/F
STUL		Label Slowness Upper Limit – Monopole Stoneley		780	US/F
SUL4		STC Slowness Upper Limit – Monopole P&S		240	US/F
SWD4		STC Slowness Width – Monopole P&S		10	US/F
TBF4		STC Time for Baseline Fill – Monopole P&S		300	US
TLL4		STC Time Lower Limit – Monopole P&S		150	US
TST4		STC Time Step – Monopole P&S		50	US
TUL4		STC Time Upper Limit – Monopole P&S		3660	US
TWD4		STC Time Width – Monopole P&S		1000	US
TWI4		STC Integration Time Window – Monopole P&S		500	US
TWSX		Transmitter Waveform Select X		0	
WFM4		Waveform Mode 4		W1	
HRLT-B: High Resolution Laterolog Array – B					
BHS		Borehole Status		OPEN	
HNGS-BA: Hostile Natural Gamma Ray Sonde					
BHS		Borehole Status		OPEN	
EDTC-B: Enhanced DTS Cartridge					
BHS		Borehole Status		OPEN	
System and Miscellaneous					
BS		Bit Size		11.438	IN
Format: DSST_P_S_VDL_COLOR      Vertical Scale: 1:200      Graphics File Created: 09-Sep-2023 03:15					
OP System Version: 19C0-187					
MSS_LDEO-A	19C0-187	DSST-B	19C0-187		
HRLT-B	19C0-187	HLDS	19C0-187		
LDSC-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	EDTC-B	19C0-187		
Output DLIS Files					
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER	09-Sep-2023 03:15	

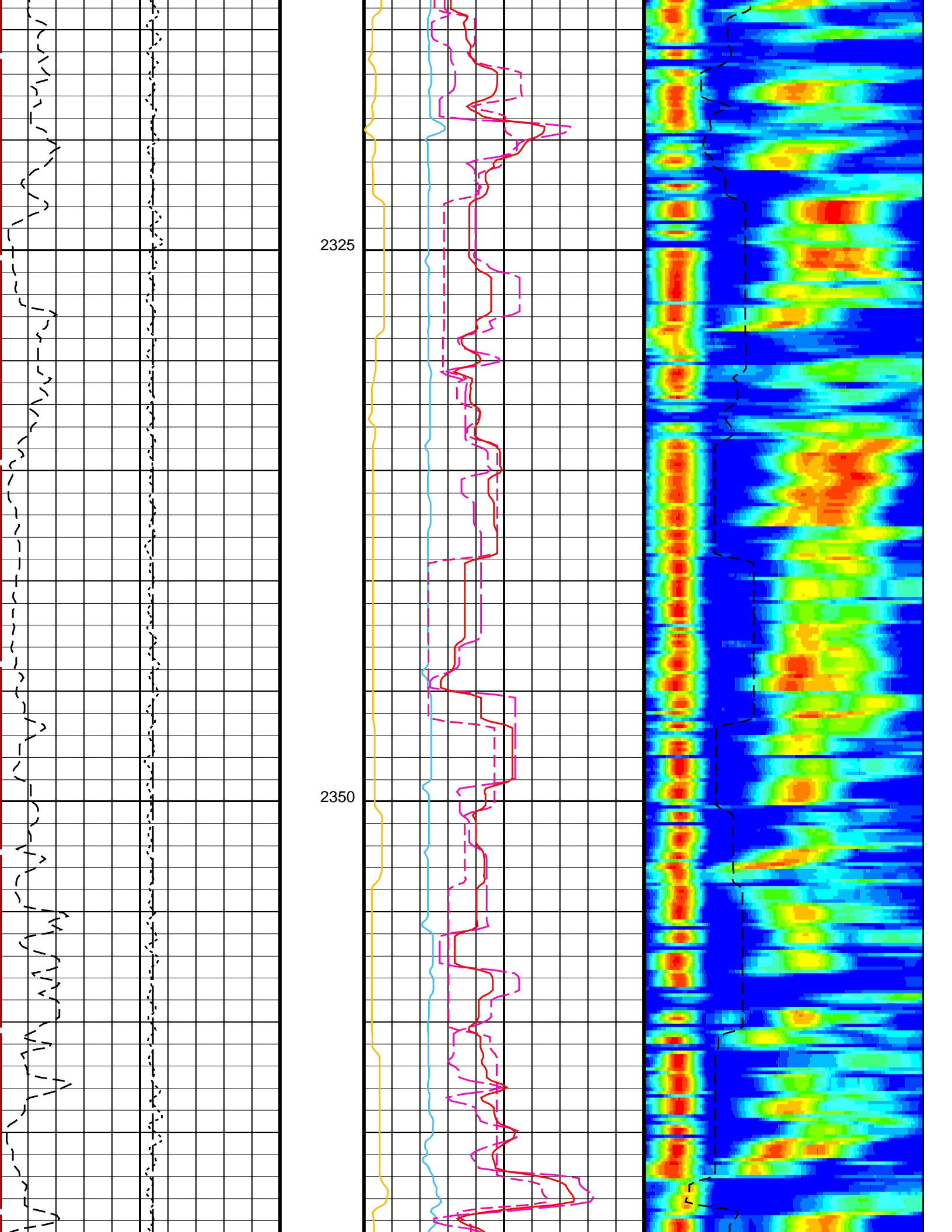
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

PIP SUMMARY

Time Mark Every 60 S

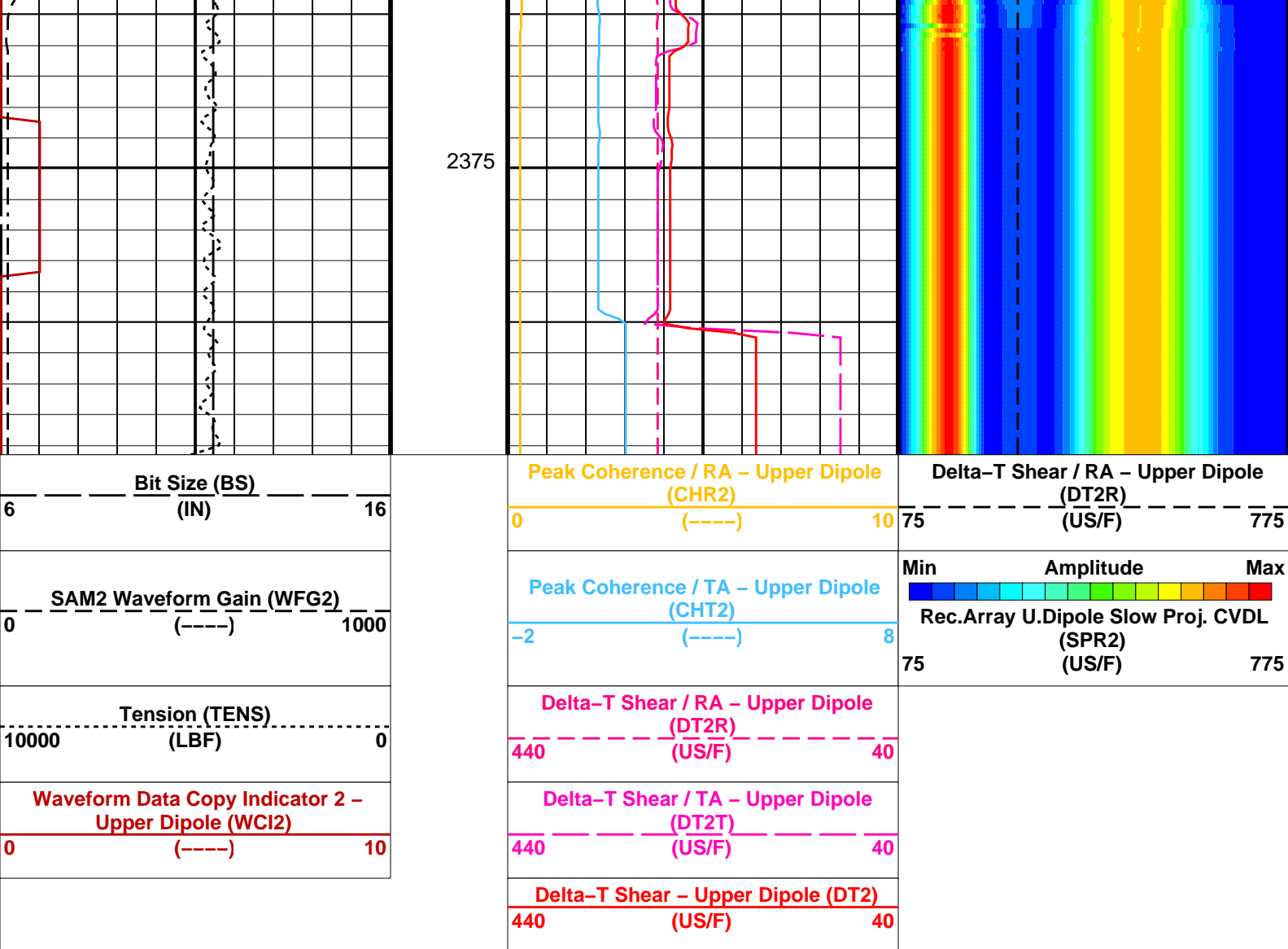




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#### PIP SUMMARY

Time Mark Every 60 S

### Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	350	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta–T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFM2	STC Filter – Upper Dipole	B1–3K	

SLL2	STC Slowness Lower Limit – Upper Dipole	75	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	775	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	15525	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
WFM2	Waveform Mode 2	W1	
System and Miscellaneous			
BS	Bit Size	11.438	IN

Format: DSST\_UPPER\_DIPOLE\_VDL\_COLOR
Vertical Scale: 1:200
Graphics File Created: 09-Sep-2023 03:15

OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187


Output DLIS Files			
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER 09-Sep-2023 03:15

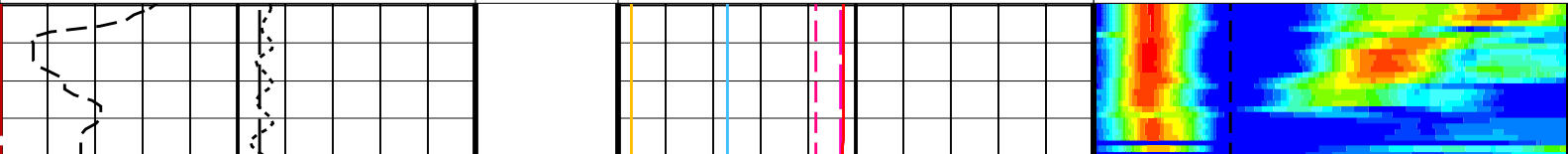
Company: International Ocean Discovery Program
Well: Expedition 400, Site U1604B

Output DLIS Files					
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OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

PIP SUMMARY	
 Time Mark Every 60 S	

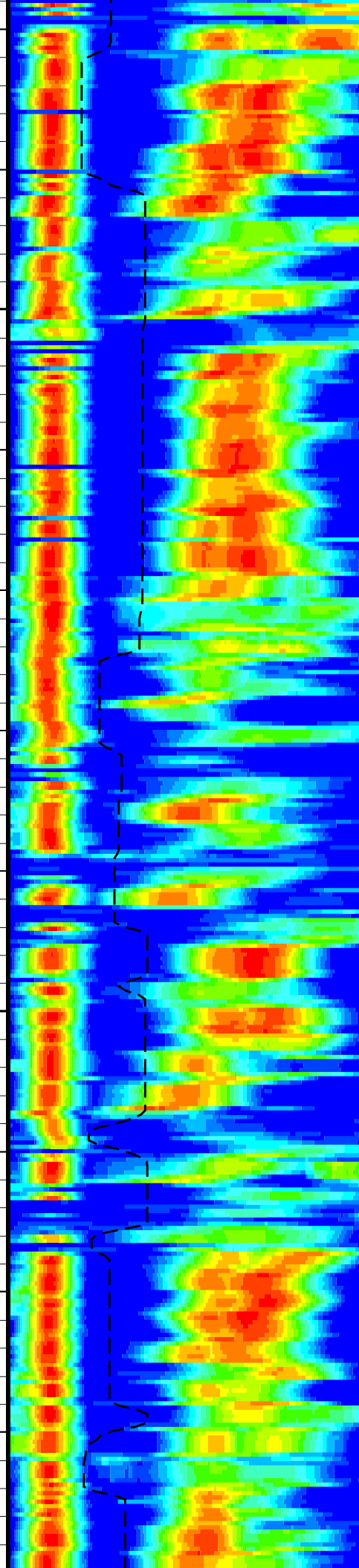
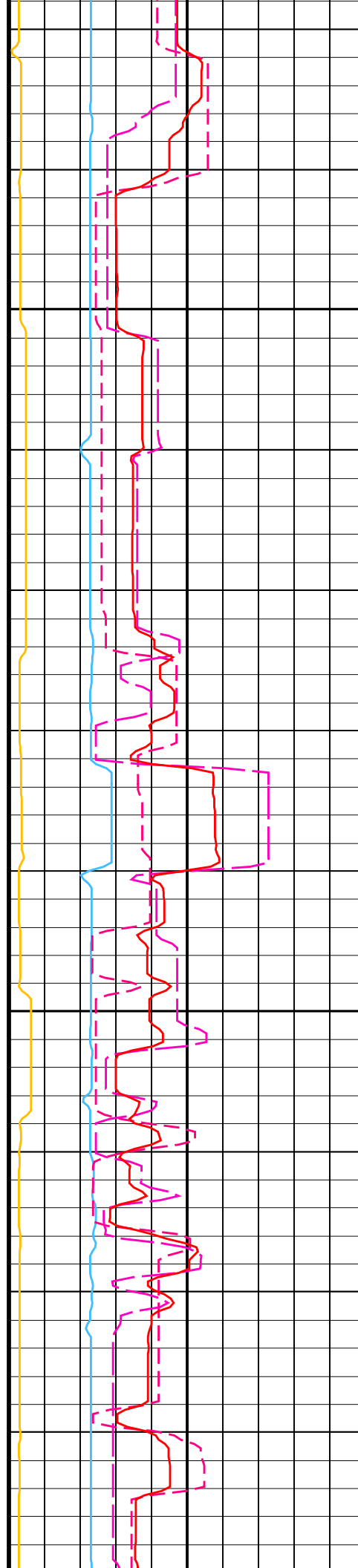
<div> <div>Waveform Data Copy Indicator 1 – Lower Dipole (WC11)</div> <div>0 (----) 10</div> </div> <div> <div>Tension (TENS)</div> <div>10000 (LBF) 0</div> </div> <div> <div>SAM1 Waveform Gain (WFG1)</div> <div>0 (----) 1000</div> </div> <div> <div>Bit Size (BS)</div> <div>6 (IN) 16</div> </div>	<div>Delta-T Shear – Lower Dipole (DT1)</div> <div>440 (US/F) 40</div>	<div> <div>MinAmplitudeMax</div> <div></div> <div>Rec.Array L.Dipole Slow Proj. CVDL (SPR1)</div> <div>75 (US/F) 775</div> </div> <div> <div>Delta-T Shear / TA – Lower Dipole (DT1T)</div> <div>440 (US/F) 40</div> </div> <div> <div>Delta-T Shear / RA – Lower Dipole (DT1R)</div> <div>440 (US/F) 40</div> </div> <div> <div>Peak Coherence / TA – Lower Dipole (CHT1)</div> <div>-2 (----) 8</div> </div> <div> <div>Peak Coherence / RA – Lower Dipole (CHR1)</div> <div>0 (----) 10</div> </div>

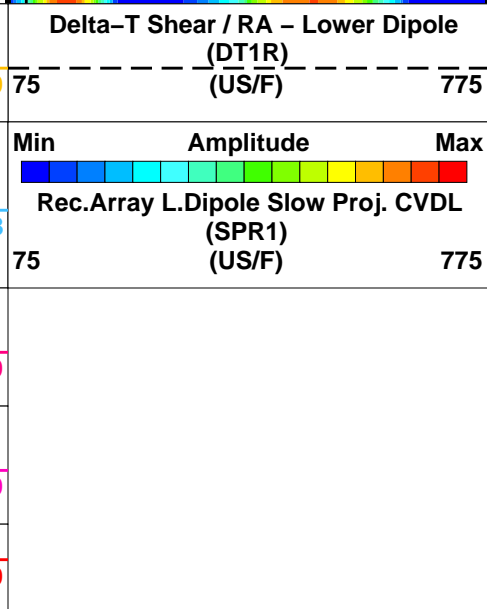
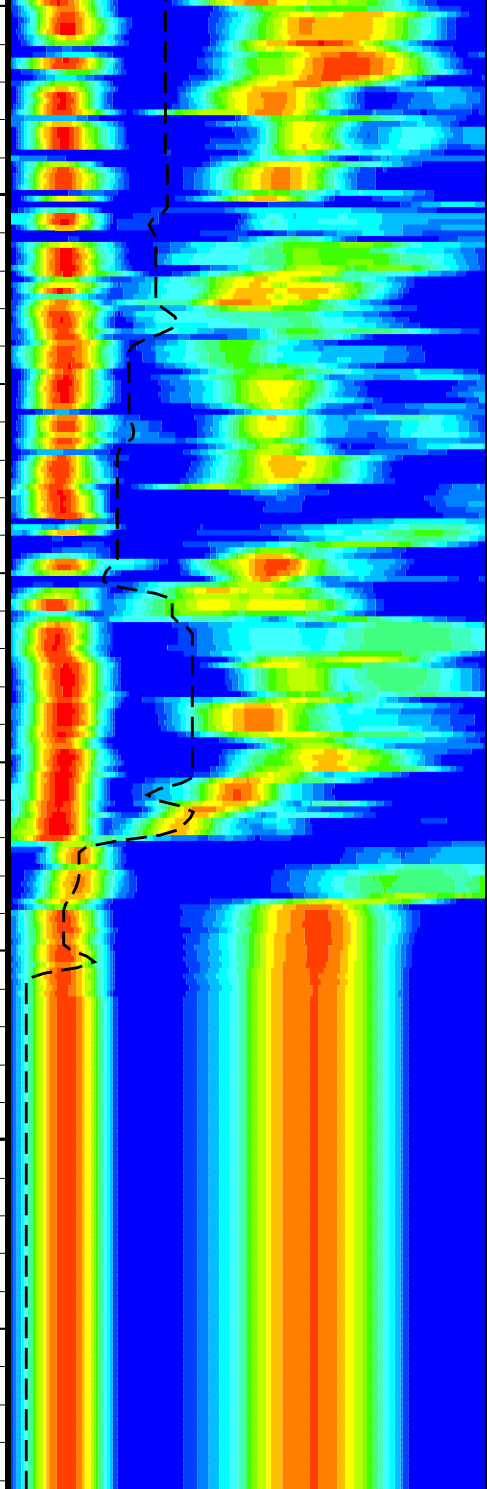
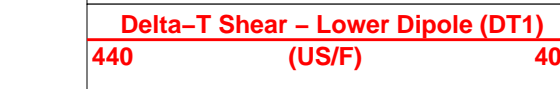
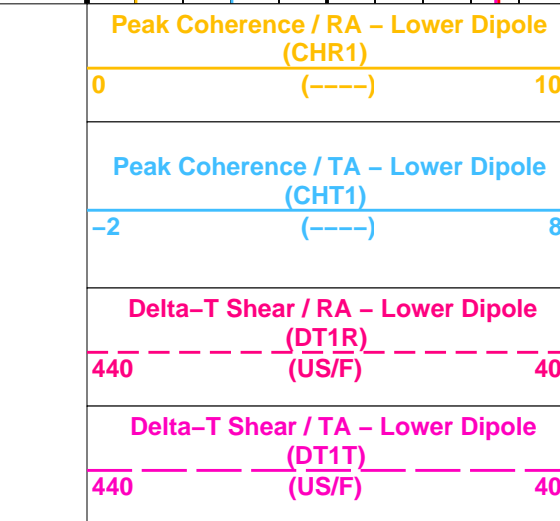
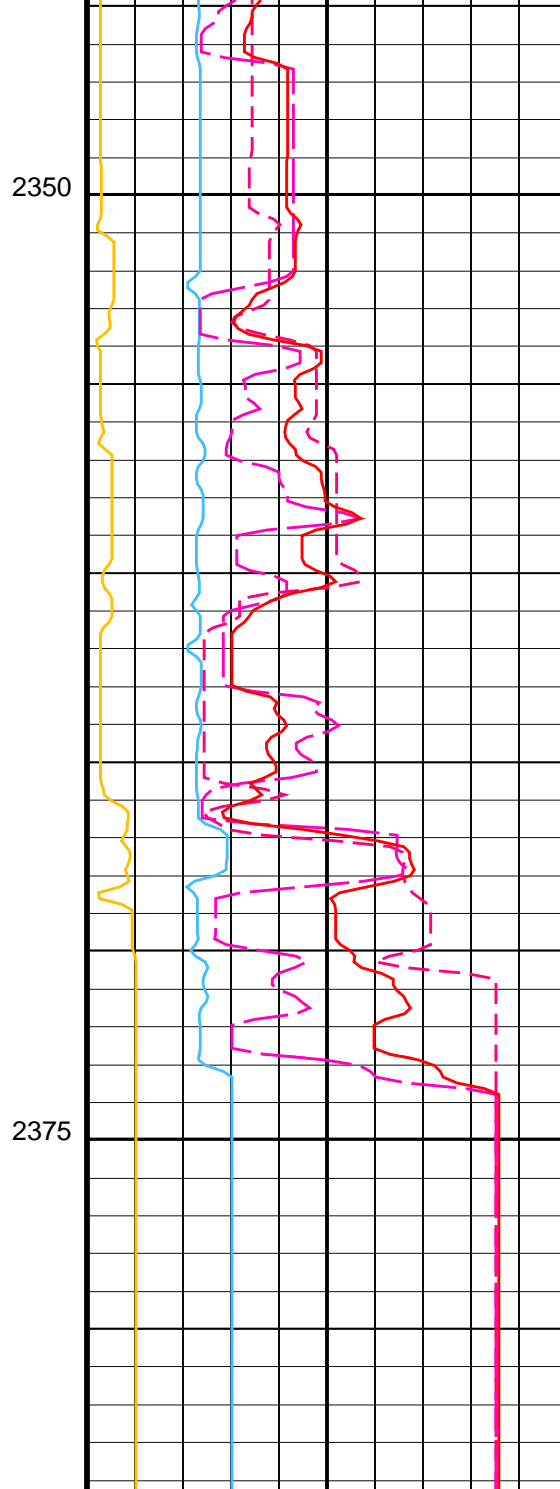
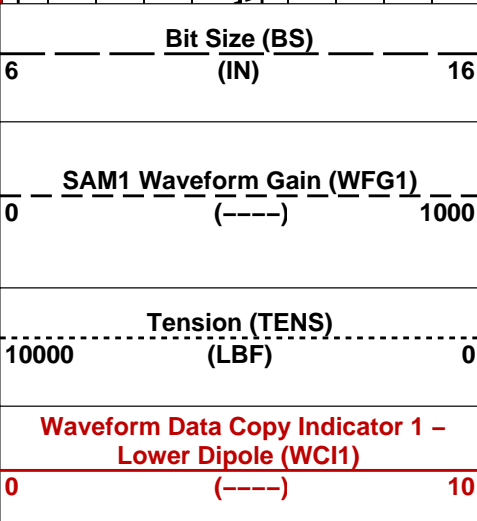
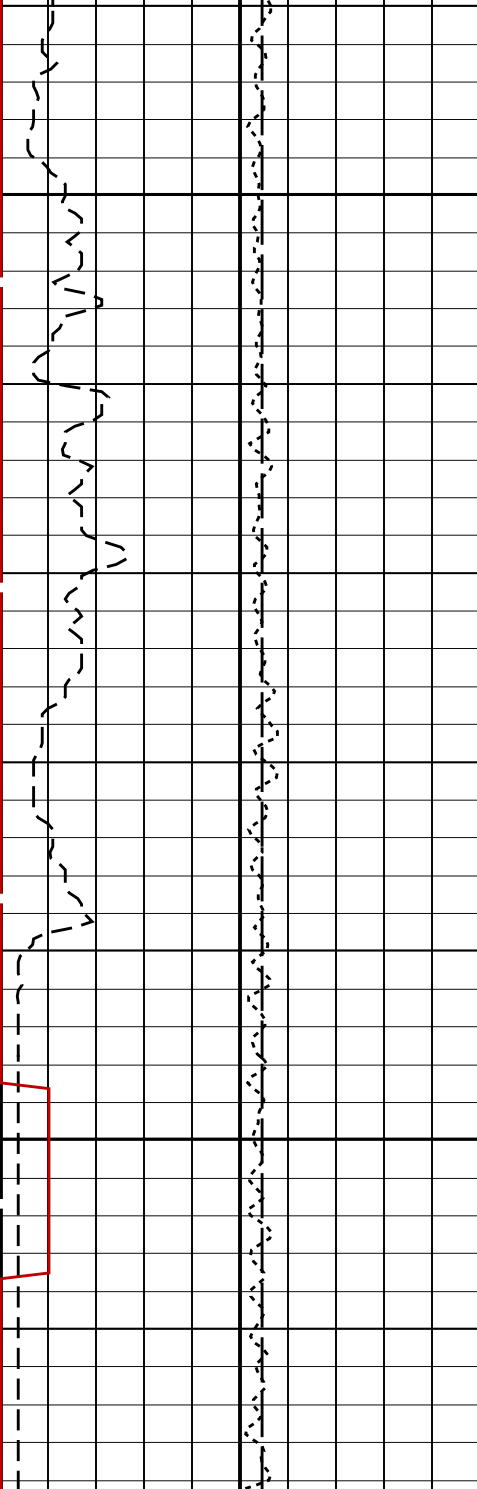




2300

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Time Mark Every 60 S

PIP SUMMARY

Parameters			
DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	350	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta–T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NW11	Number Waveform Items 1	8	
NW1X	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SBO1	STC Search Band Offset – Lower Dipole	3000	US
SBW1	STC Search Bandwidth – Lower Dipole	8000	US
SFC1	STC Formation Character – Lower Dipole	SELECTABLE	
SFM1	STC Filter – Lower Dipole	B1–3K	
SLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	775	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	15912.5	US
TWD1	STC Time Width – Lower Dipole	2000	US
TW11	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
System and Miscellaneous			
BS	Bit Size	11.438	IN

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 09-Sep-2023 03:15

OP System Version: 19C0–187

MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER	09-Sep-2023 03:15
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Company: International Ocean Discovery Program    Well: Expedition 400, Site U1604B

Output DLIS Files

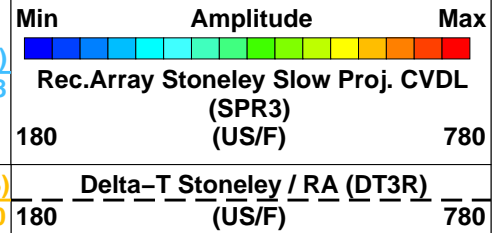
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER	09-Sep-2023 03:15	2384.3 M	2284.9 M
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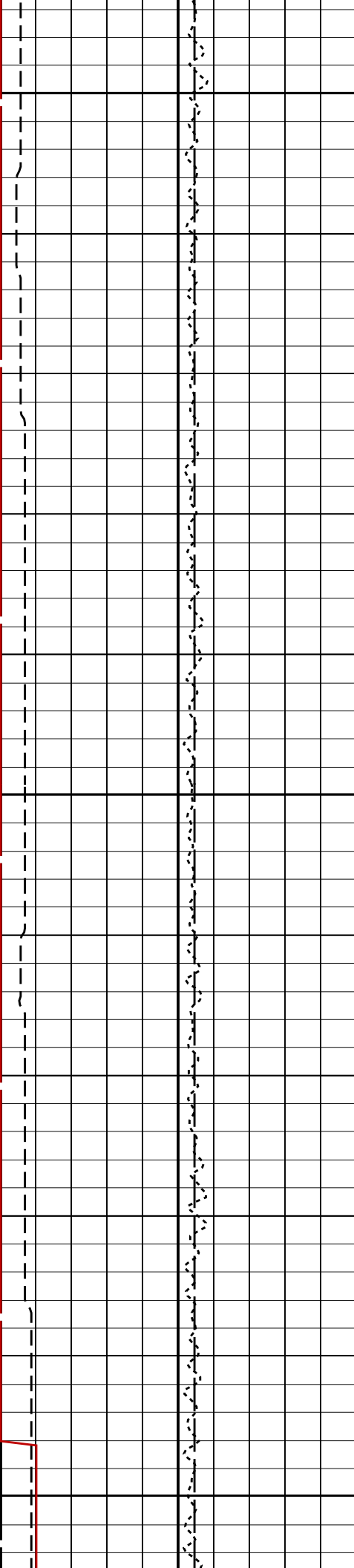
OP System Version: 19C0–187

MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187

19C0-187  
19C0-187  
19C0-187

**Time Mark Every 60 S**

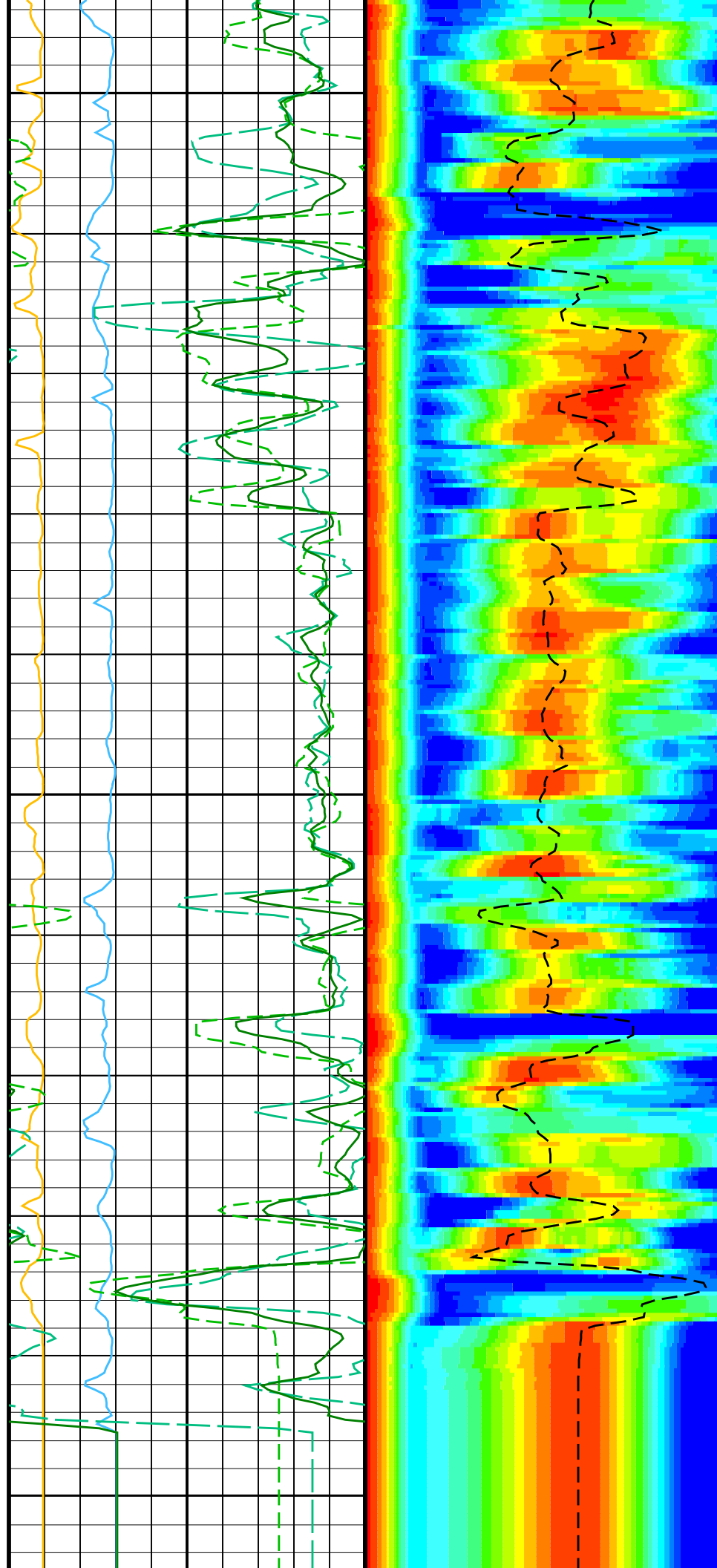


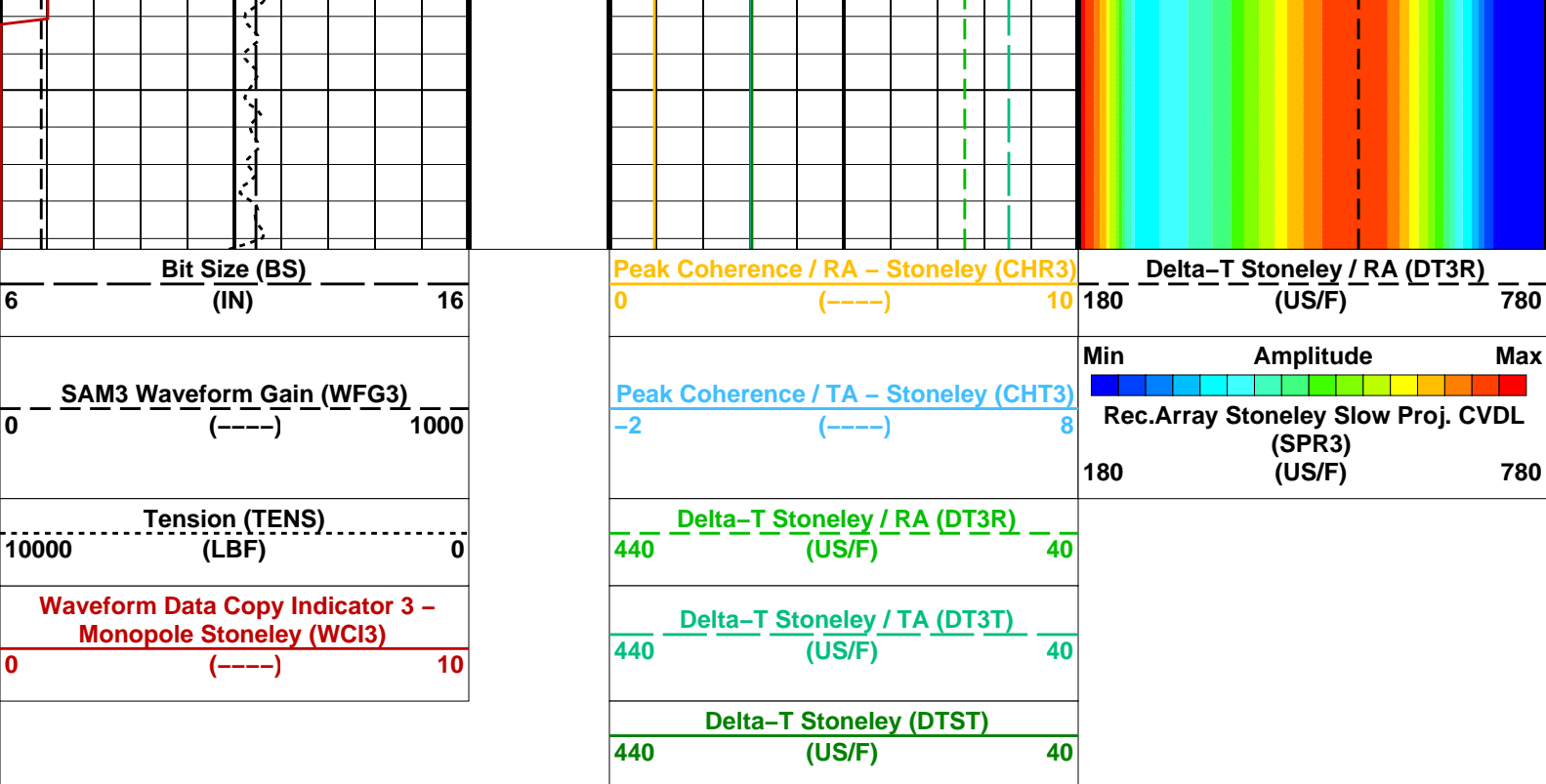


2325

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2375





### PIP SUMMARY

Time Mark Every 60 S

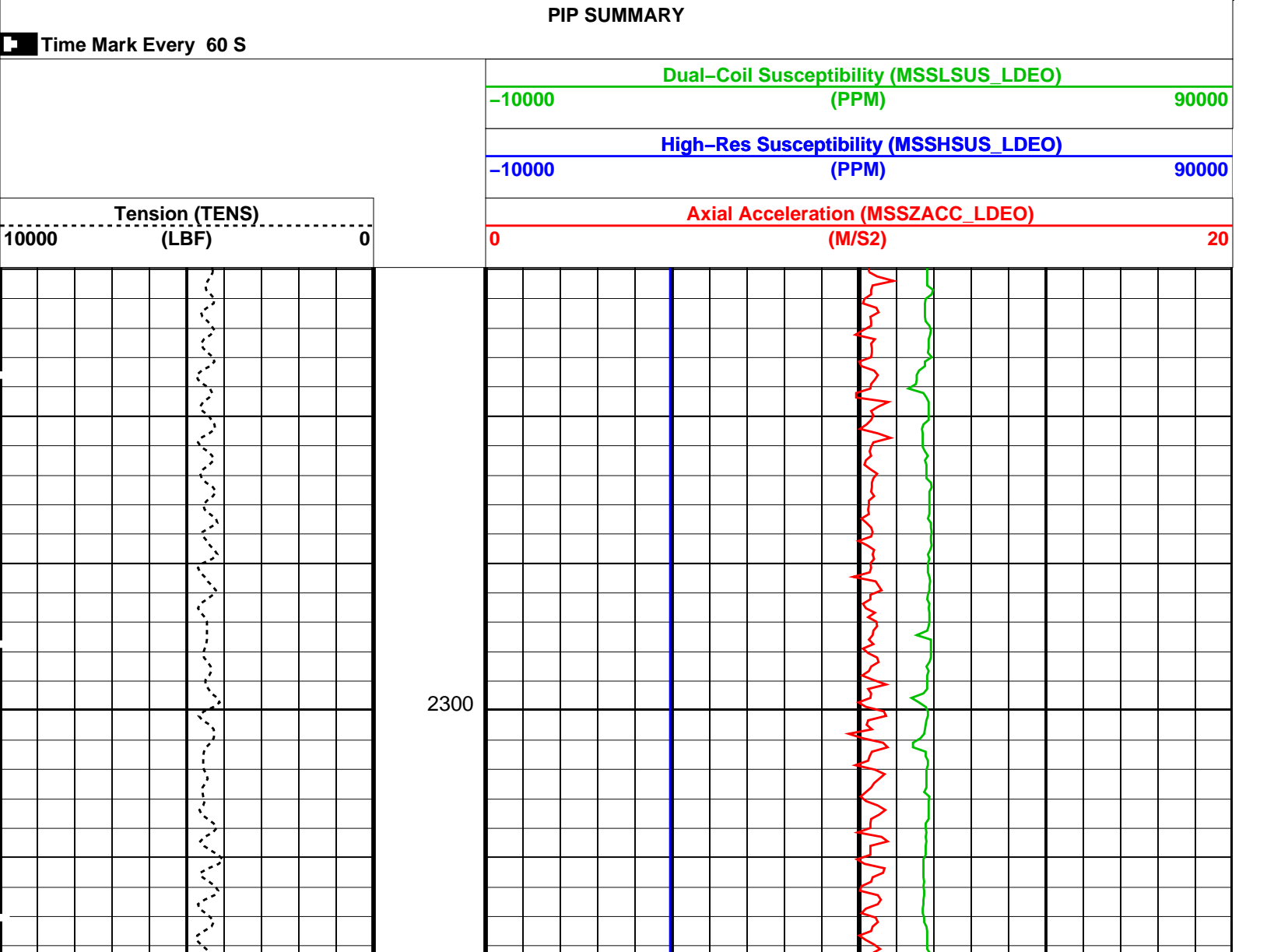
## Parameters

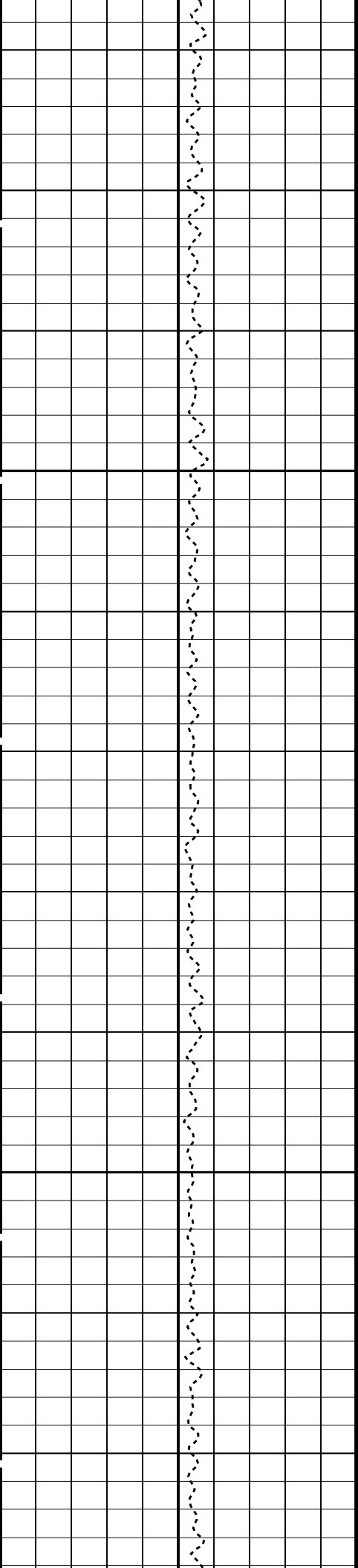
DLIS Name	Description	Value
DSST-B: Dipole Shear Imager - B		
DDE3	Digitizing Delay 3	0 US
DDEX	Digitizing Delay X	0 US
DSI3	Digitizer Sample Interval 3	40 US
DSIX	Digitizer Sample Interval X	40 US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP
DWC3	Digitizer Word Count 3	512
DWCX	Digitizer Word Count X	512
MTXG	Monopole Transmitter Geometry	186 IN
NWI3	Number Waveform Items 3	8
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294 IN
RX2G	Receiver 2 Geometry	300 IN
RX3G	Receiver 3 Geometry	306 IN
RX4G	Receiver 4 Geometry	312 IN
RX5G	Receiver 5 Geometry	318 IN
RX6G	Receiver 6 Geometry	324 IN
RX7G	Receiver 7 Geometry	330 IN
RX8G	Receiver 8 Geometry	336 IN
SAM3	DSST Sonic Acquisition Mode 3 - Monopole Mode for Stoneley	EVEN
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF
SAS3	STC Sonic Array Status - Monopole Stoneley	255
SBO3	STC Search Band Offset - Monopole Stoneley	2000 US
SBW3	STC Search Bandwidth - Monopole Stoneley	6000 US
SFC3	STC Formation Character - Monopole Stoneley	SELECTABLE
SFM3	STC Filter - Monopole Stoneley	B.5-1.5K
SLL3	STC Slowness Lower Limit - Monopole Stoneley	180 US/F
SST3	STC Slowness Step - Monopole Stoneley	4 US/F
SSW3	STC Source Waveform - Monopole Stoneley	WF_SAM3
STLL	Label Slowness Lower Limit - Monopole Stoneley	180 US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	780 US/F
SUL3	STC Slowness Upper Limit - Monopole Stoneley	780 US/F
SWD3	STC Slowness Width - Monopole Stoneley	40 US/F
TBF3	STC Time for Baseline Fill - Monopole Stoneley	0 US
TLL3	STC Time Lower Limit - Monopole Stoneley	620 US
TST3	STC Time Step - Monopole Stoneley	200 US
TUL3	STC Time Upper Limit - Monopole Stoneley	12020 US
TWD3	STC Time Width - Monopole Stoneley	2000 US
TWI3	STC Integration Time Window - Monopole Stoneley	1600 US
TWSX	Transmitter Waveform Select X	0
WFM3	Waveform Mode 3	W1
System and Miscellaneous		
BS	Bit Size	11 428 IN



BS	Bit Size	11.436	IN
Format: DSST_STONELEY_VDL_COLOR		Vertical Scale: 1:200	Graphics File Created: 09-Sep-2023 03:15
OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187
Output DLIS Files			
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER 09-Sep-2023 03:15

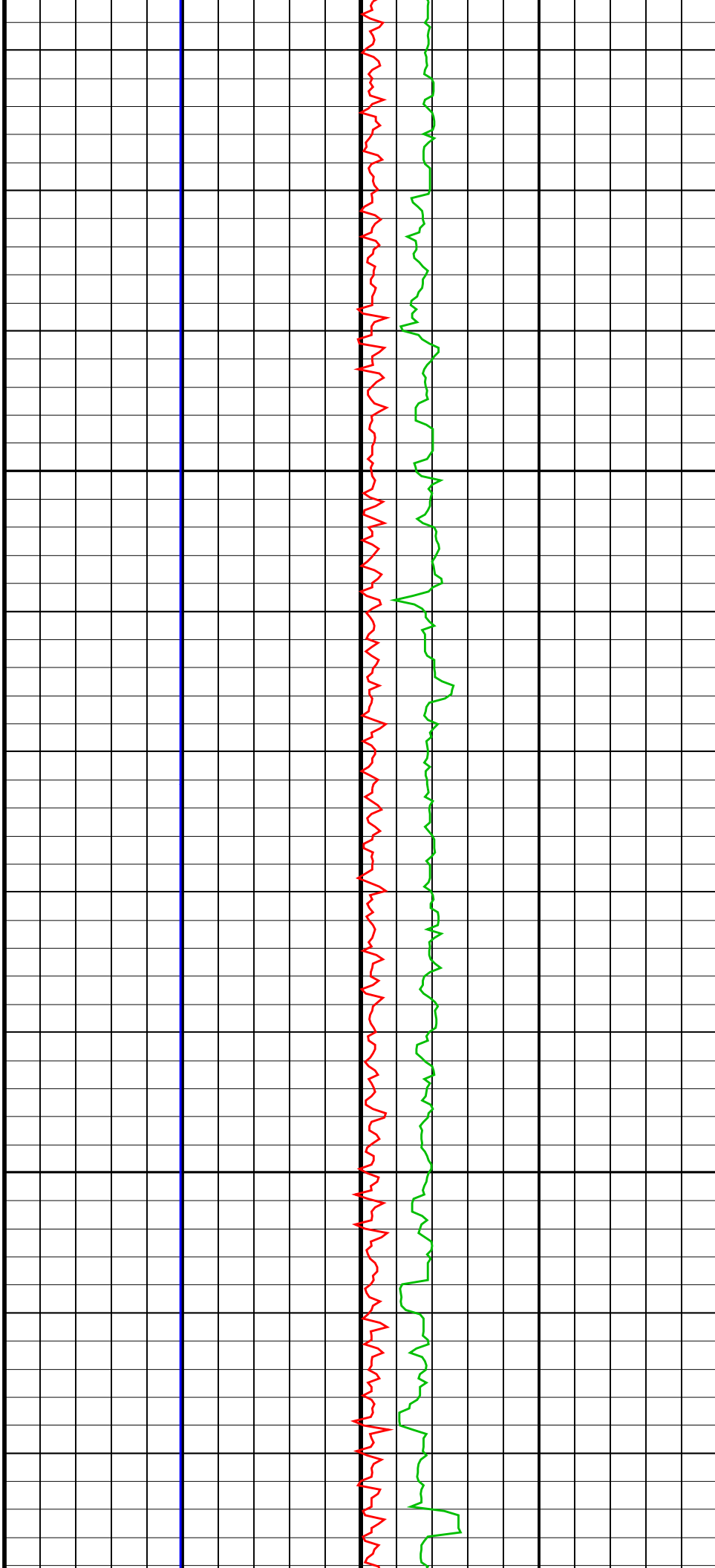
Company: International Ocean Discovery Program			Well: Expedition 400, Site U1604B		
Output DLIS Files					
DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER	09-Sep-2023 03:15	2384.3 M 2284.9 M
OP System Version: 19C0-187					
MSS_LDEO-A	19C0-187	DSST-B	19C0-187		
HRLT-B	19C0-187	HLDS	19C0-187		
LDSC-B	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	EDTC-B	19C0-187		

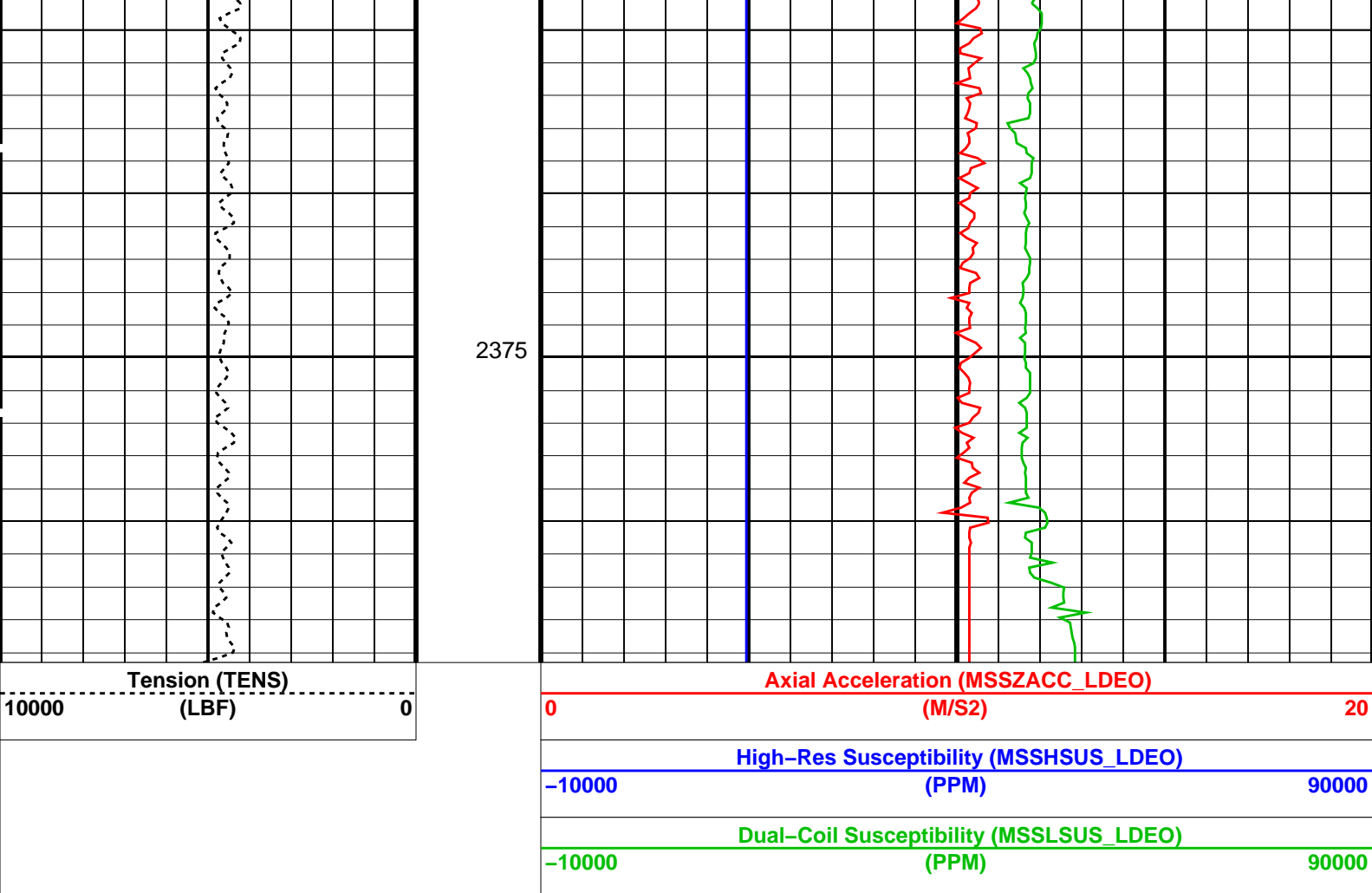




2325

2350





PIP SUMMARY

Time Mark Every 60 S

Format: MSS\_Logging Vertical Scale: 1:200 Graphics File Created: 09-Sep-2023 03:15

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_006LUP	FN:4	PRODUCER	09-Sep-2023 03:15
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Main Pass

MAXIS Field Log

Company: International Ocean Discovery Program Well: Expedition 400, Site U1604B

Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_007LUP	FN:5	PRODUCER	09-Sep-2023 03:36	2386.6 M	1943.1 M
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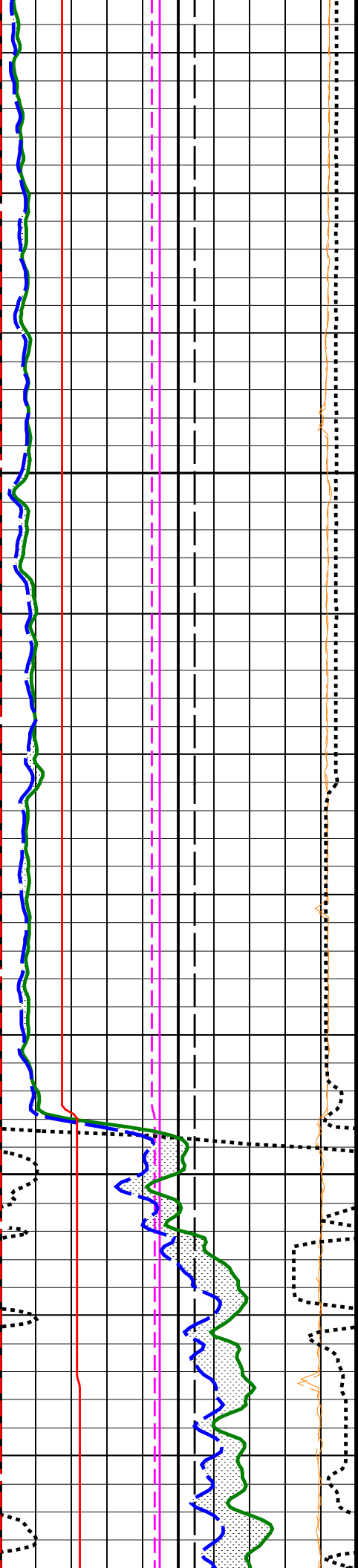
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

PIP SUMMARY

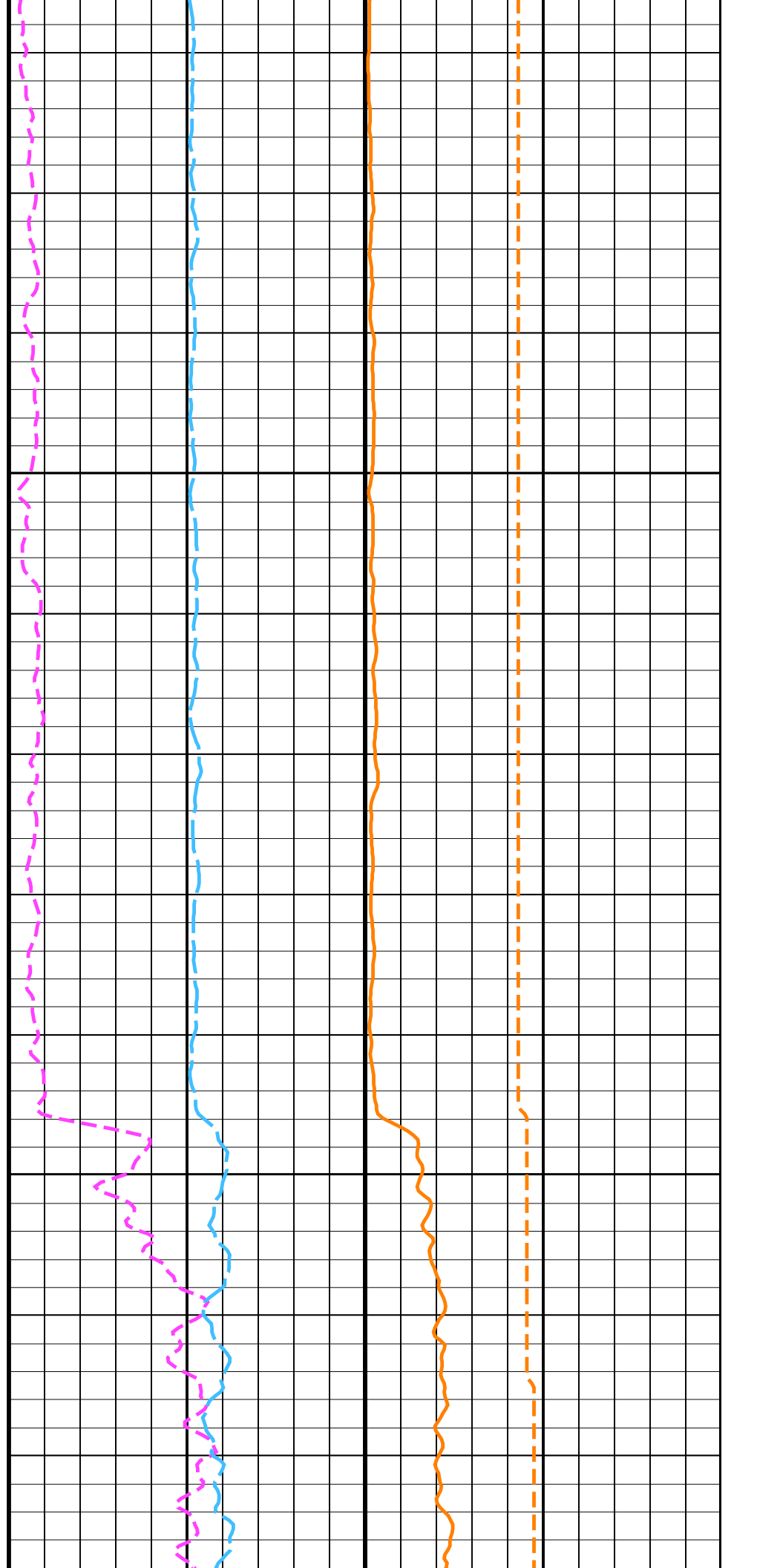
Time Mark Every 60 S

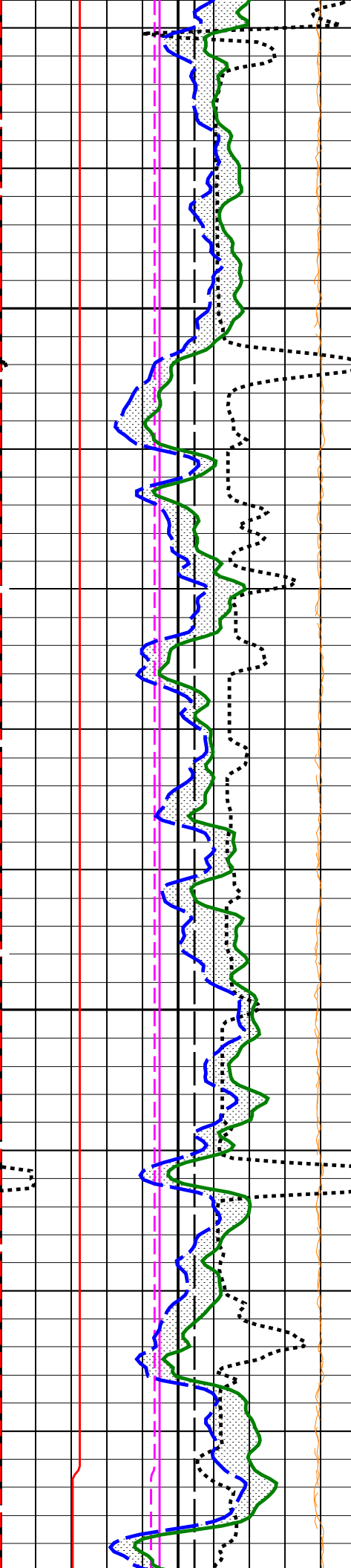




1975

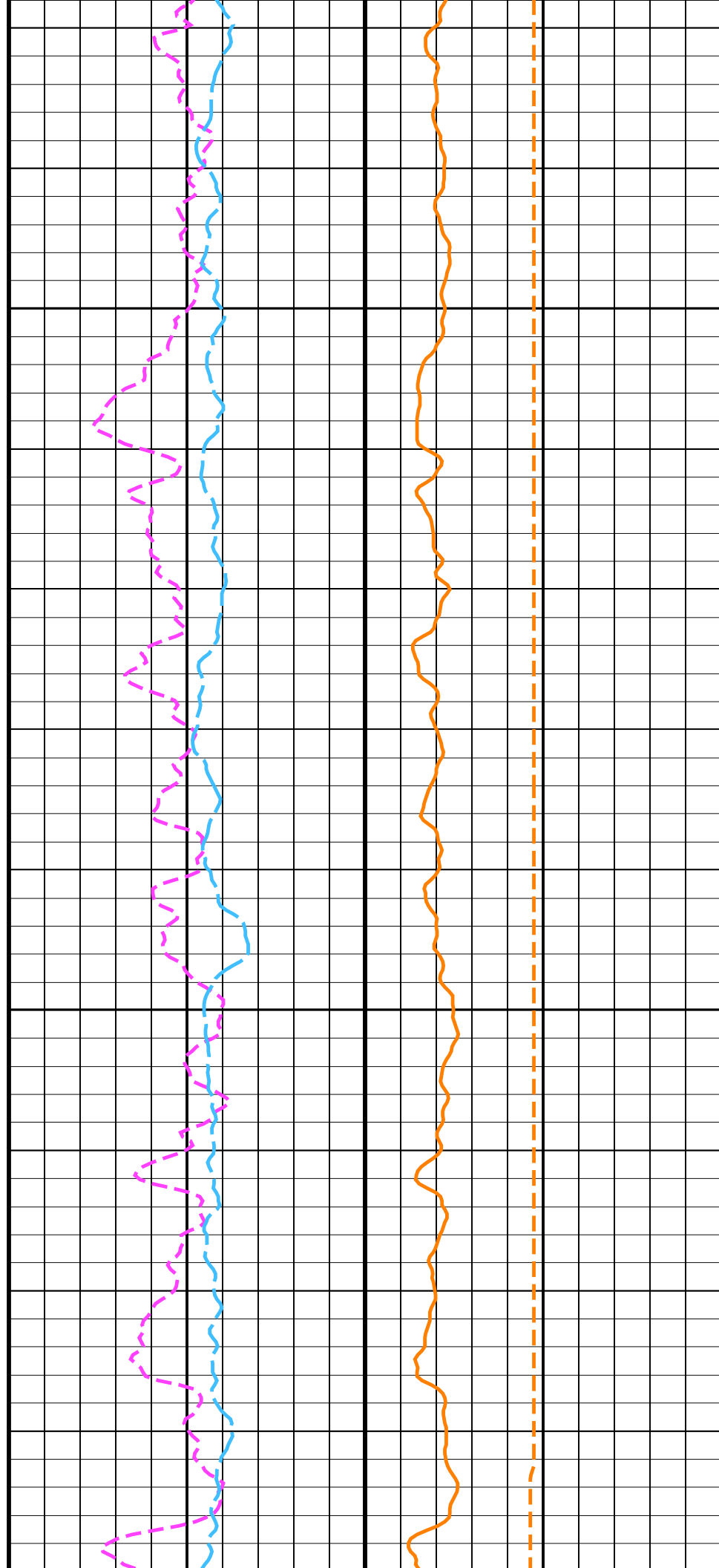
2000

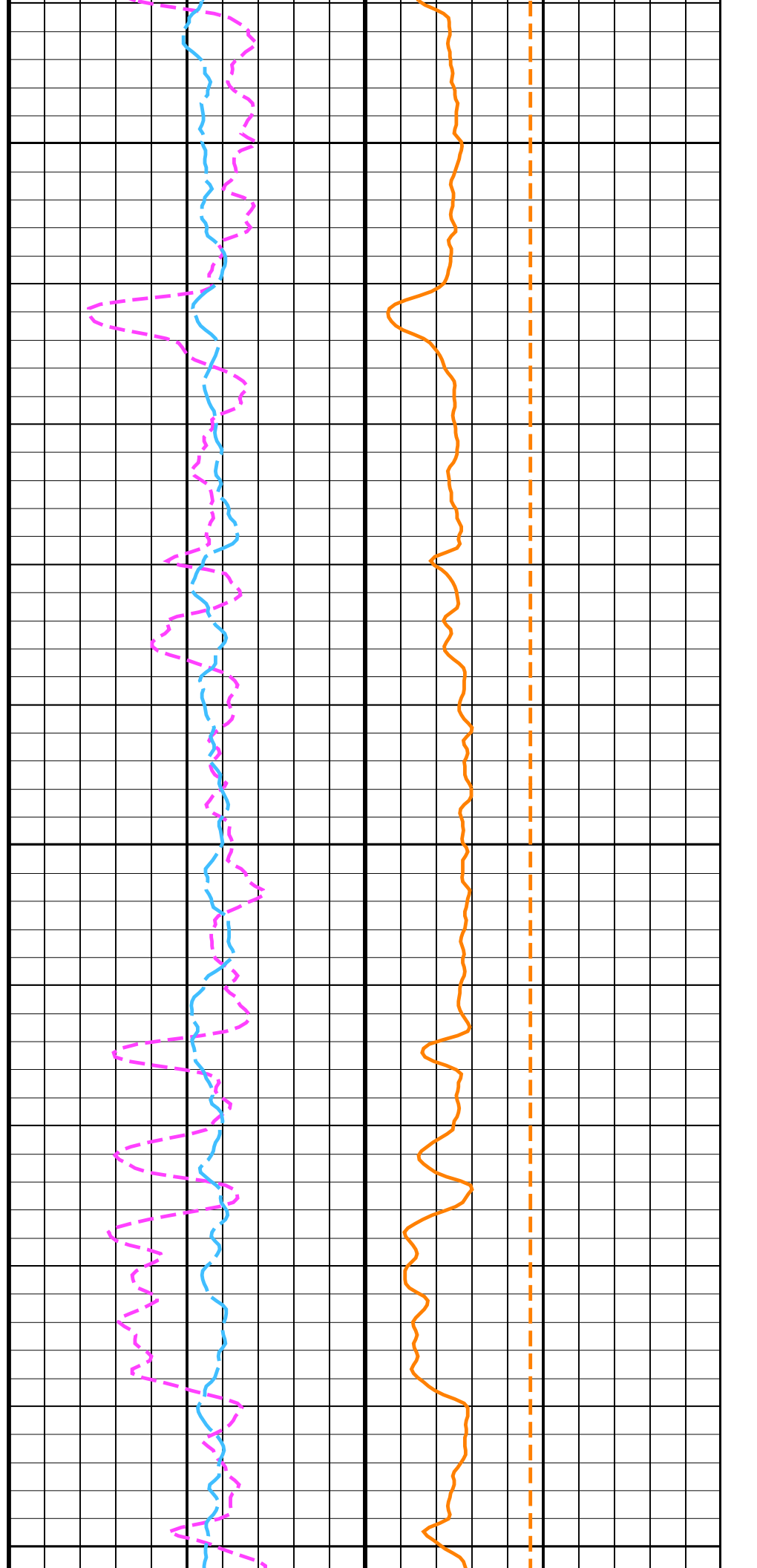
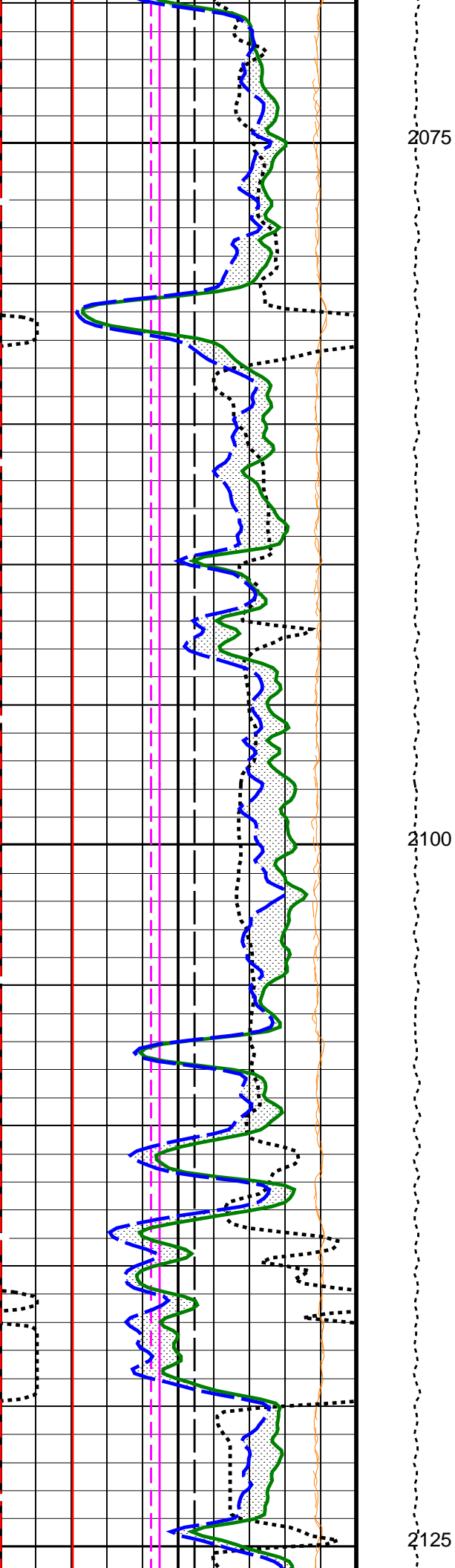


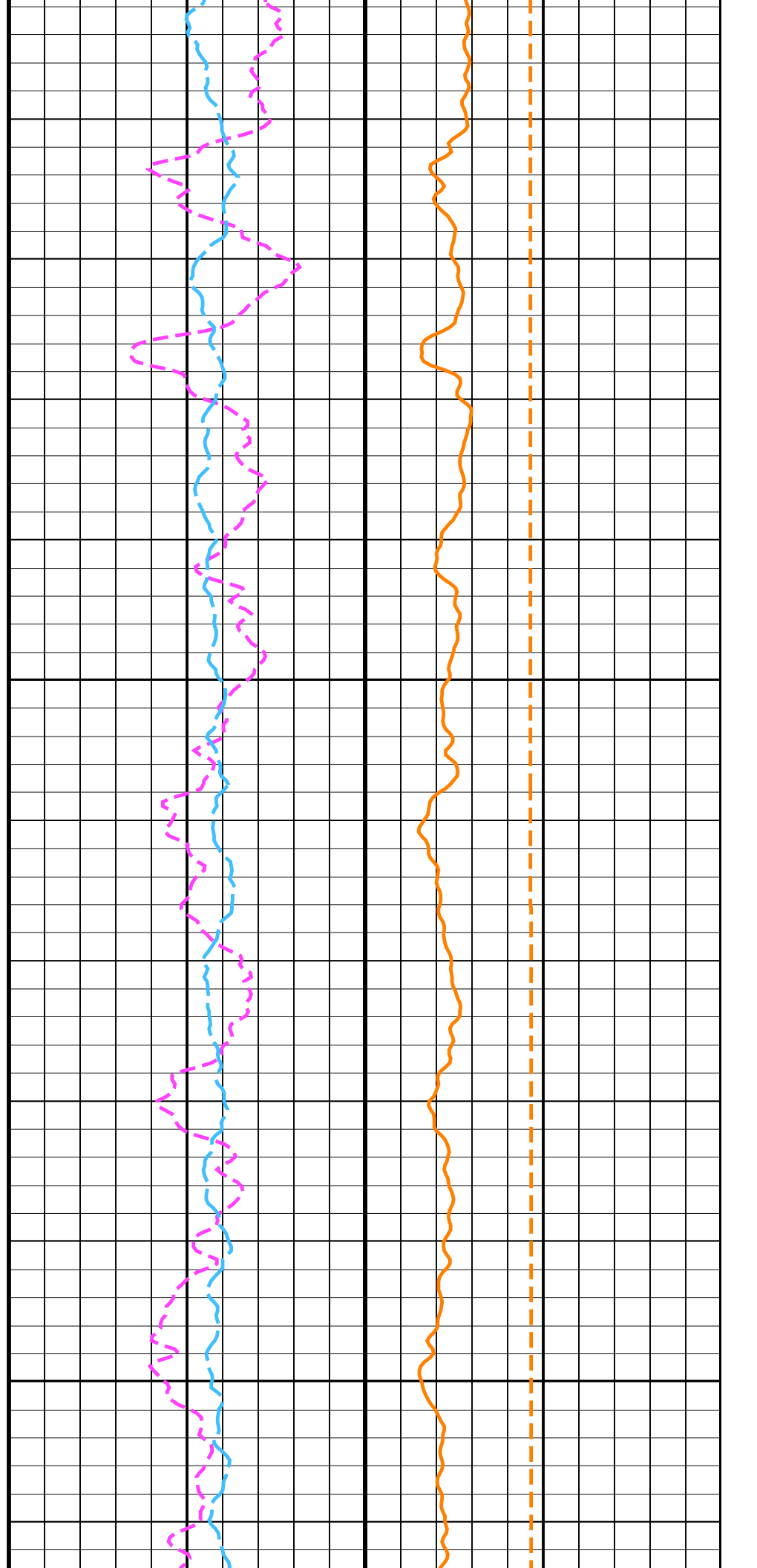
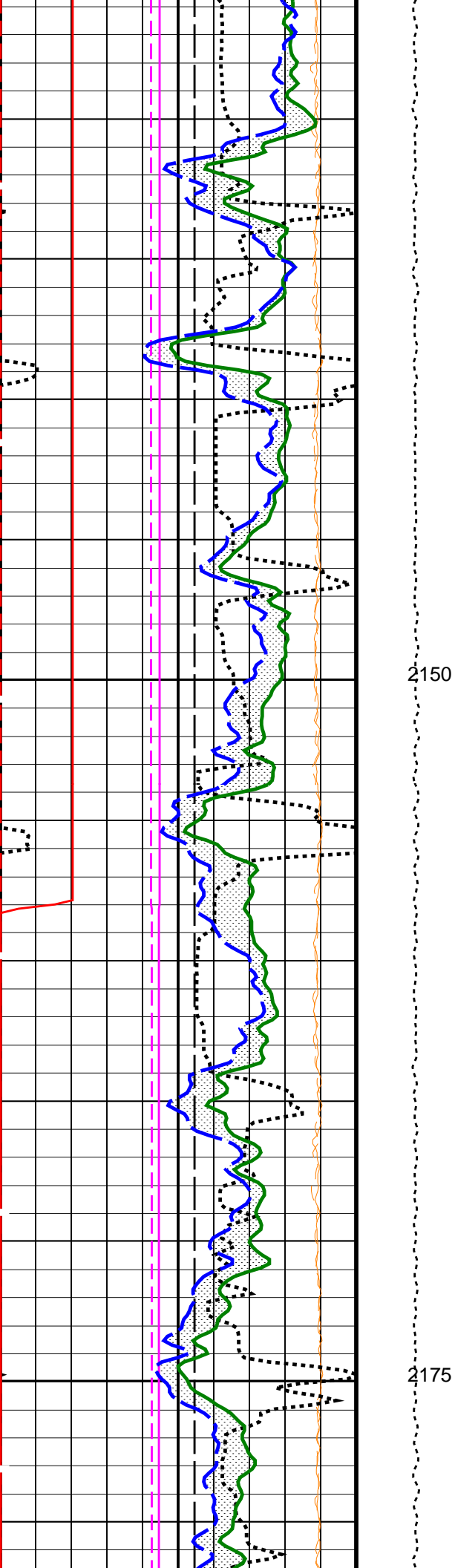


2025

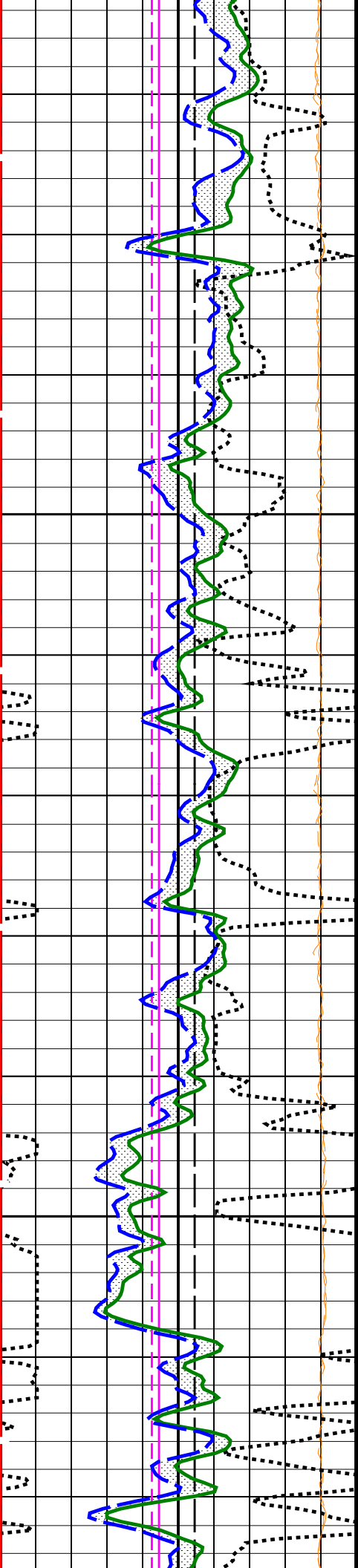
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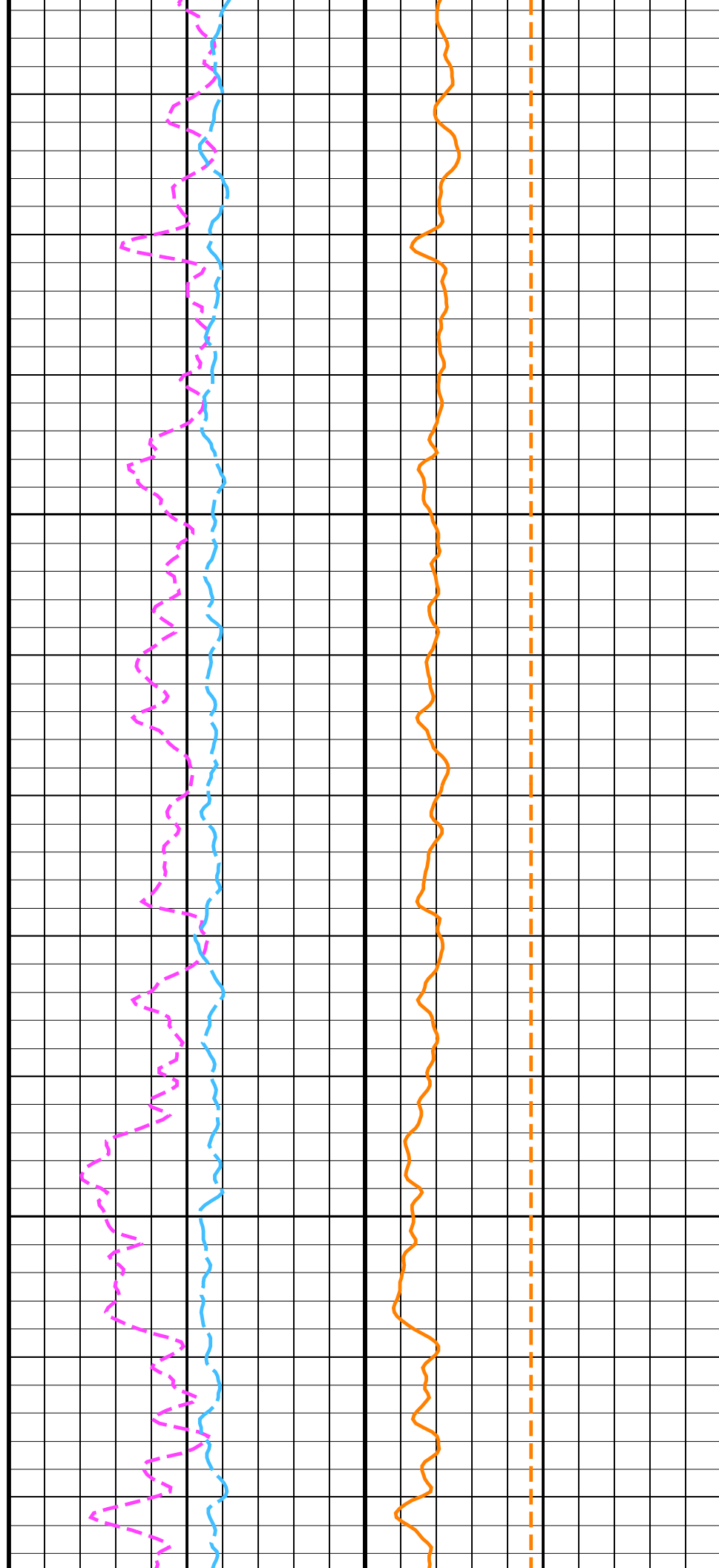


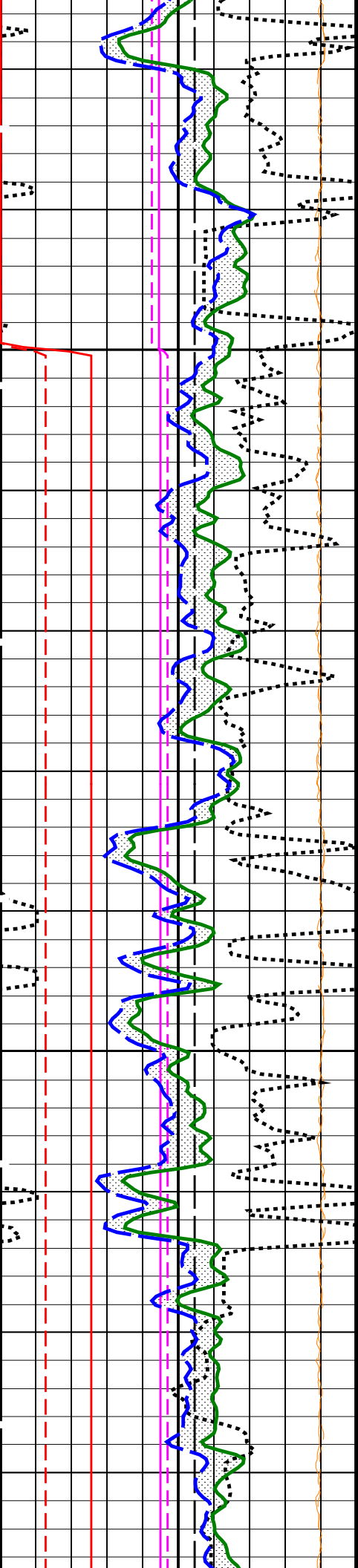




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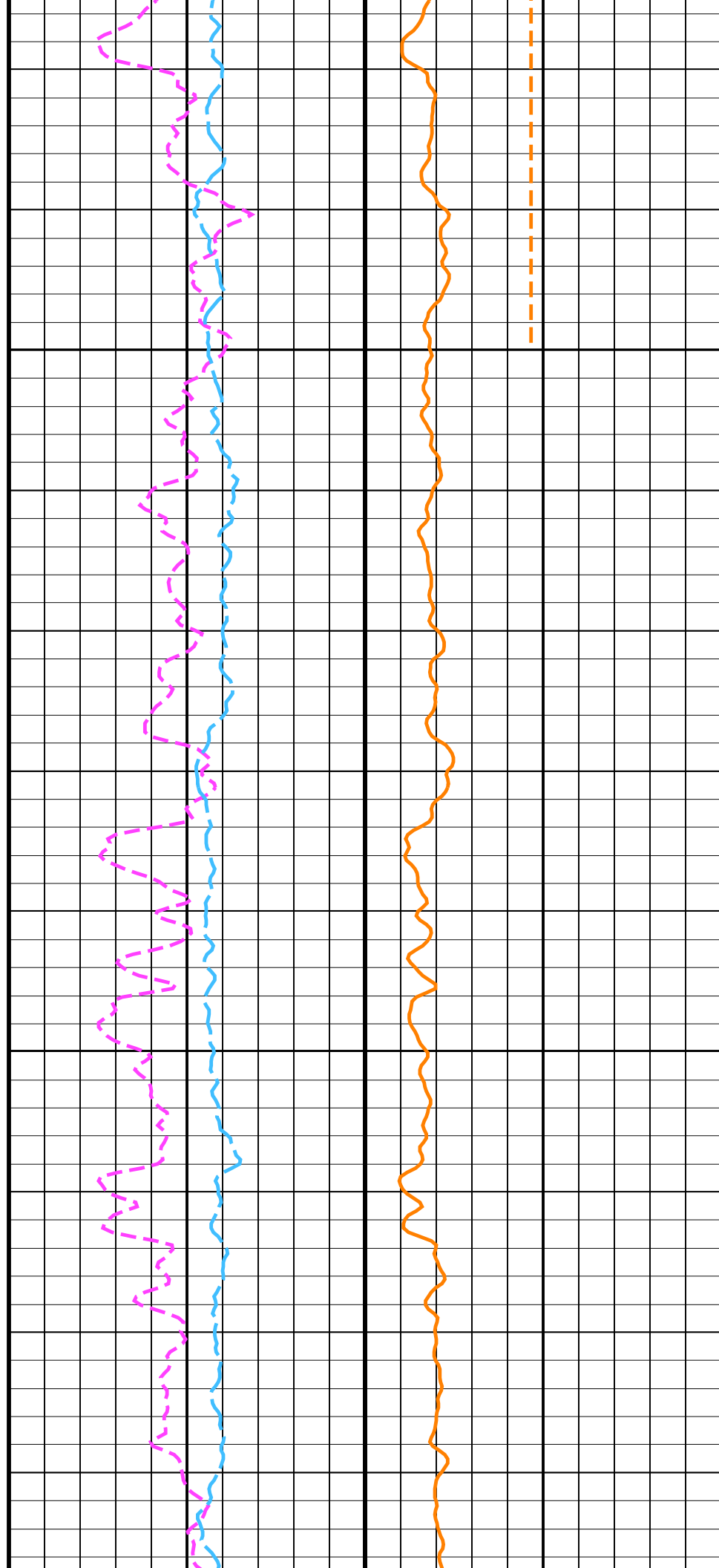
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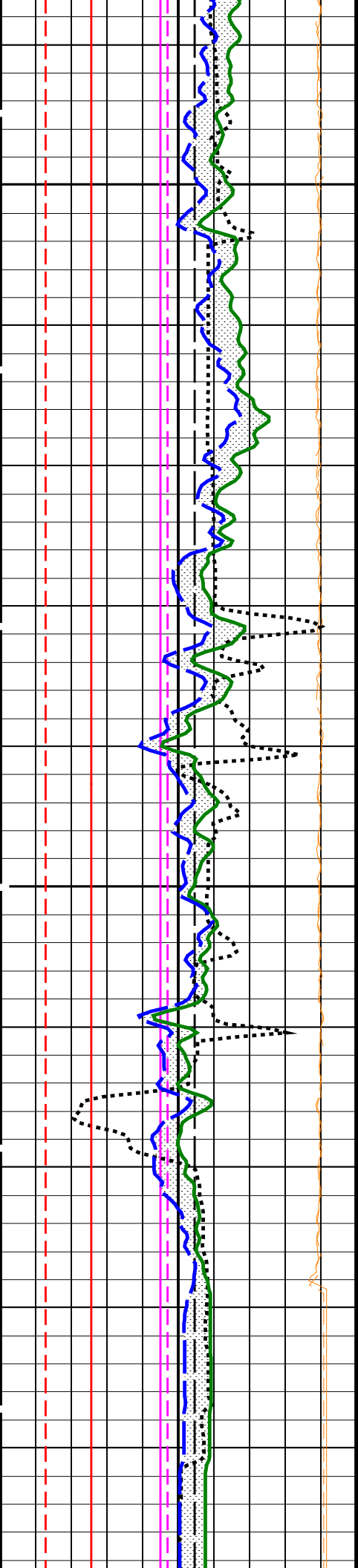




2250

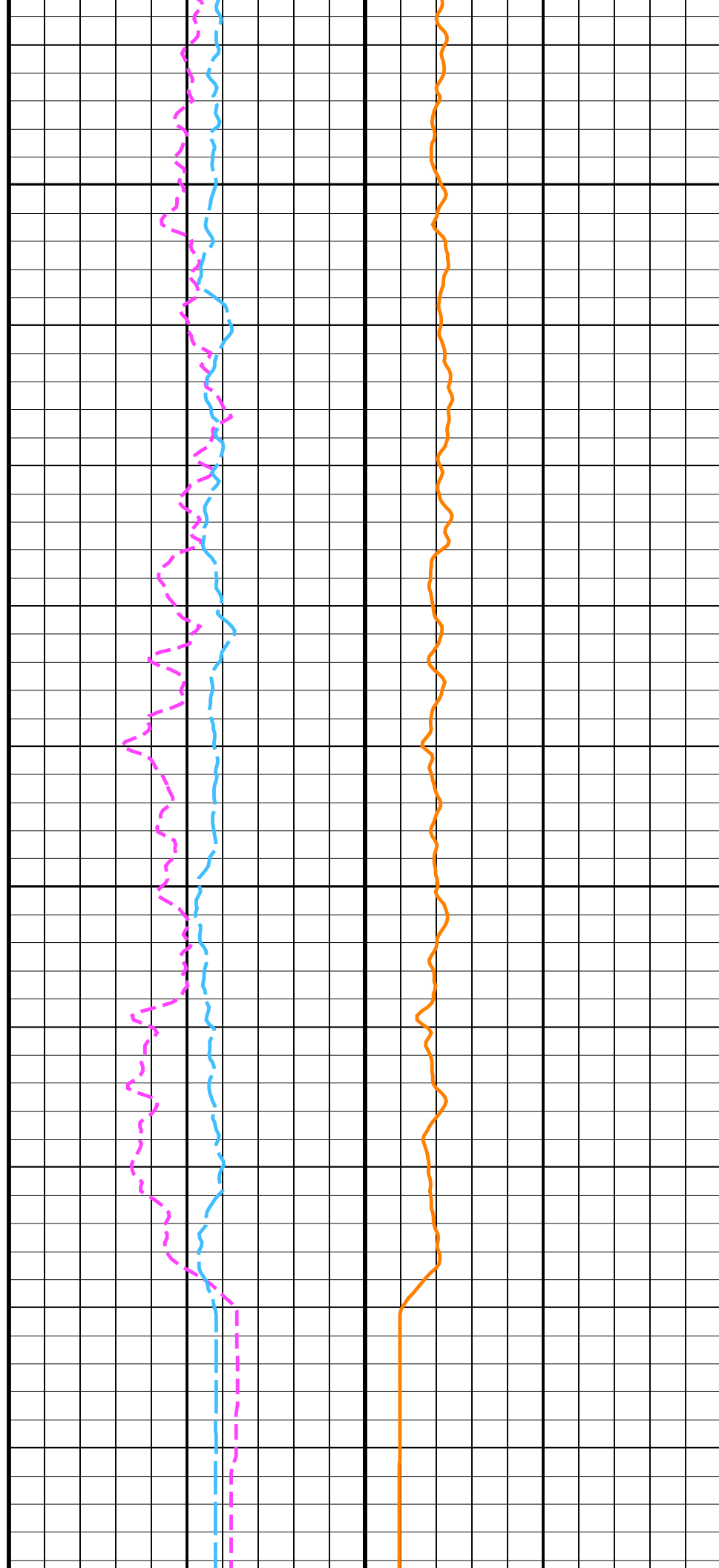
2275

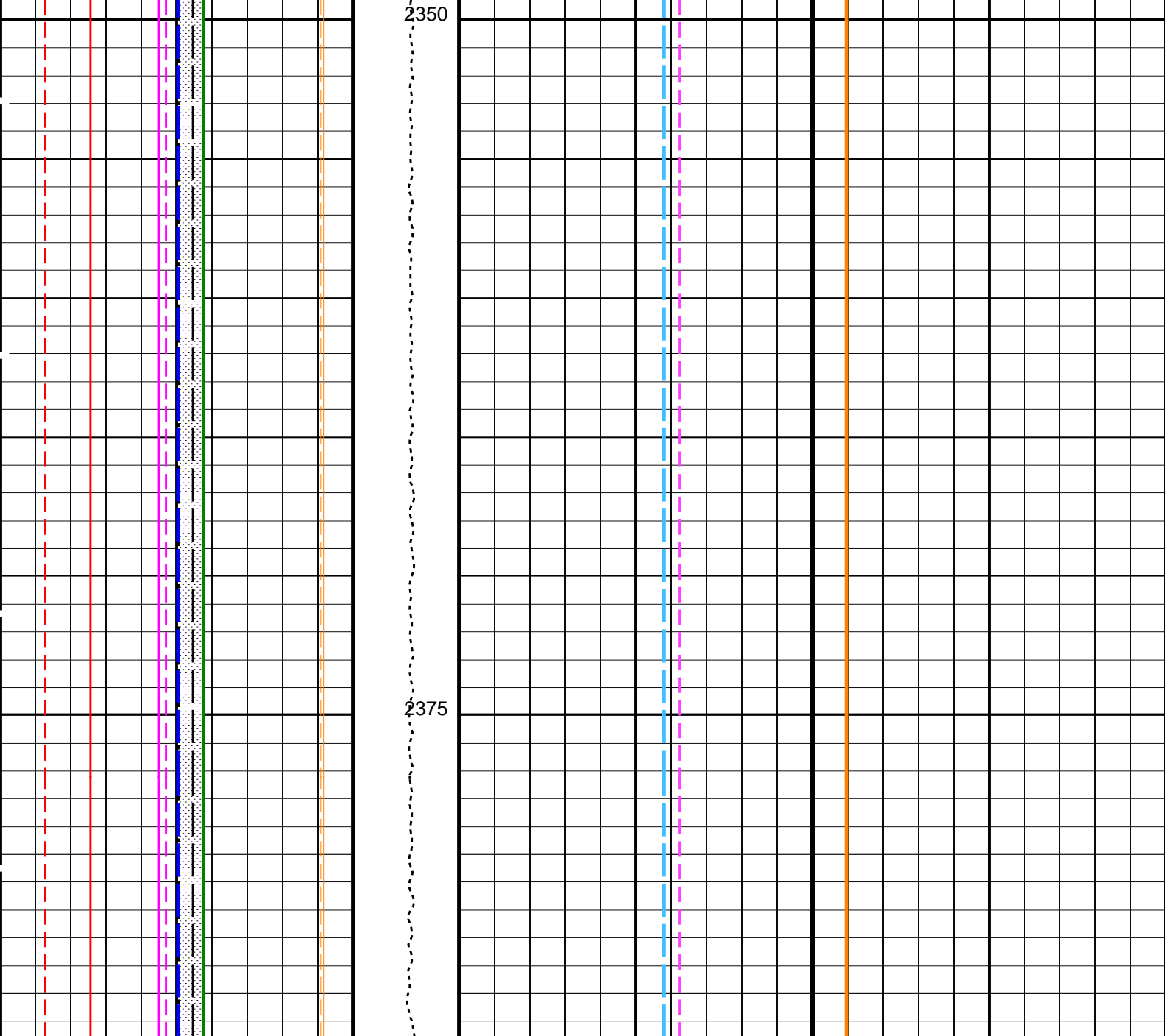




2300

2325





HNGS Det.1 Chi Squared (CHI1) (-----)		
10		0
HNGS Det.2 Chi Squared (CHI2) (-----)		
10		0
Bit Size (BS) (IN)		
6		16
Caliper (LCAL) (IN)		
6		16
HNGS Computed Gamma Ray (HCGR) (GAPI)		
0		150
Area1 From HCGR to HSGR		
HNGS Det.1 Gain Correction Factor (GCF1)		
0.9	(-----)	1.1

Tension  
(TENS)  
(LBF)

10000 0

HNGS Thorium (HTHO) (PPM)		
0		30
HNGS Uranium (HURA) (PPM)		
-10		30

HNGS Potassium (HFK) (V/V)		
0		0.1
HNGS Borehole Potassium (HBHK) (V/V)		
-0.05		0.05

HNGS Det.2 Gain Correction Factor (GCF2)		
0.9	(-----)	1.1
HNGS Det.1 Resolution Degradation Factor (RDF1)		
0	(-----)	10
HNGS Det.2 Resolution Degradation Factor (RDF2)		
0	(-----)	10
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	150

PIP SUMMARY		
Time Mark Every 60 S		

Parameters				
DLIS Name		Description	Value	
DSST-B: Dipole Shear Imager – B				
BHS		Borehole Status	OPEN	
GCSE		Generalized Caliper Selection	LCAL	
HRLT-B: High Resolution Laterolog Array – B				
BHS		Borehole Status	OPEN	
GCSE		Generalized Caliper Selection	LCAL	
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	LCAL	
H1P		HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P		HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK		HNGS Borehole Potassium Running Average	-0.0274146	
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	ECCE	
VBA1		HNGS Detector 1 Variable Barite Factor Running Average	0.970557	
VBA2		HNGS Detector 2 Variable Barite Factor Running Average	0.969381	
EDTC-B: Enhanced DTS Cartridge				
BHS		Borehole Status	OPEN	
GCSE		Generalized Caliper Selection	LCAL	
System and Miscellaneous				
BS		Bit Size	11.438	IN

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 09-Sep-2023 03:36
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OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

Output DLIS Files				
DEFAULT	MSS_LDEO_DSI_HRLA_007LUP	FN:5	PRODUCER	09-Sep-2023 03:36

Company: International Ocean Discovery Program	Well: Expedition 400, Site U1604B
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Output DLIS Files

DEFAULT MSS\_LDEO\_DSI\_HRLA\_007LUP FN:5 PRODUCER 09-Sep-2023 03:36 2386.6 M 1943.1 M

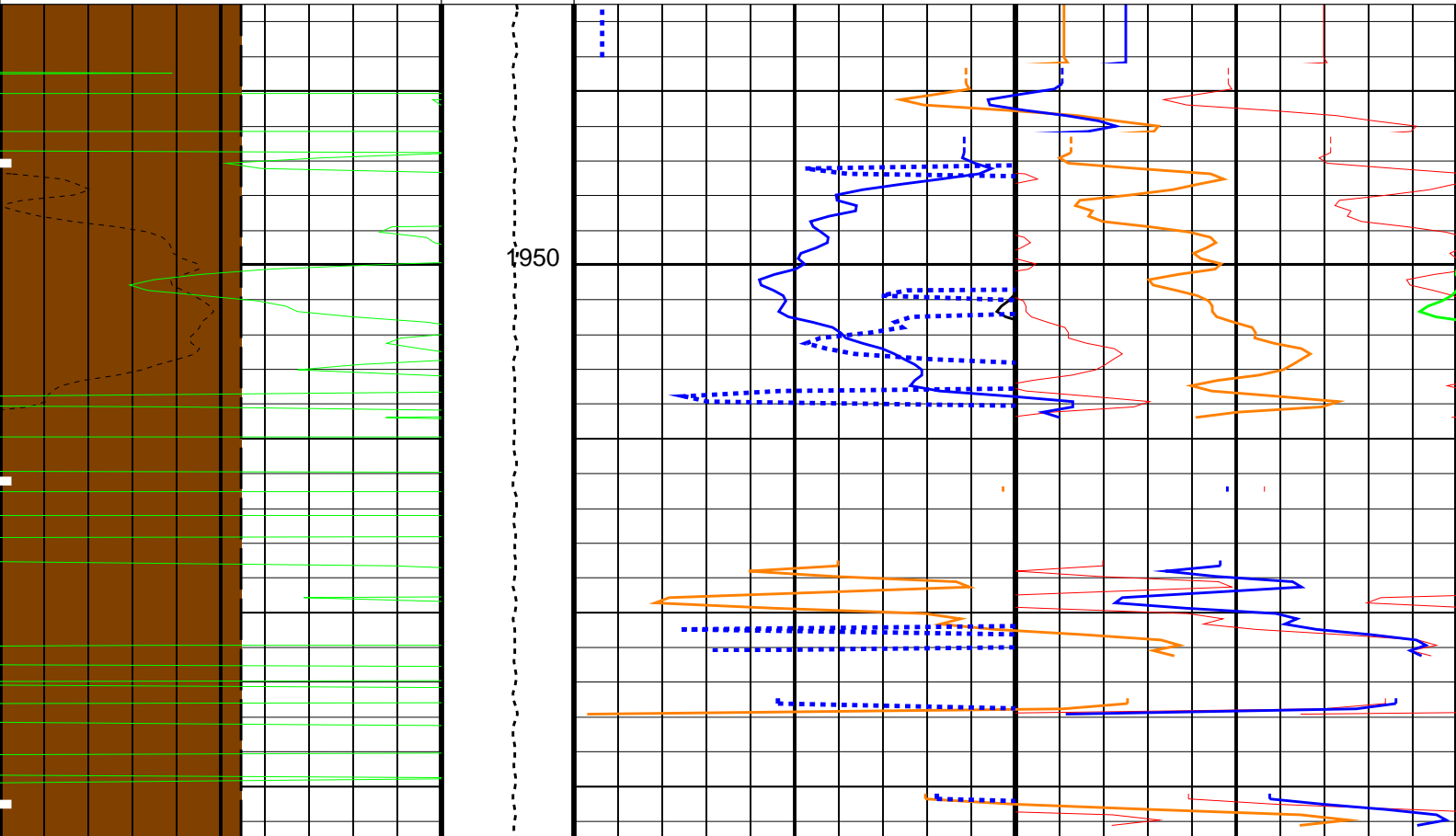
OP System Version: 19C0-187

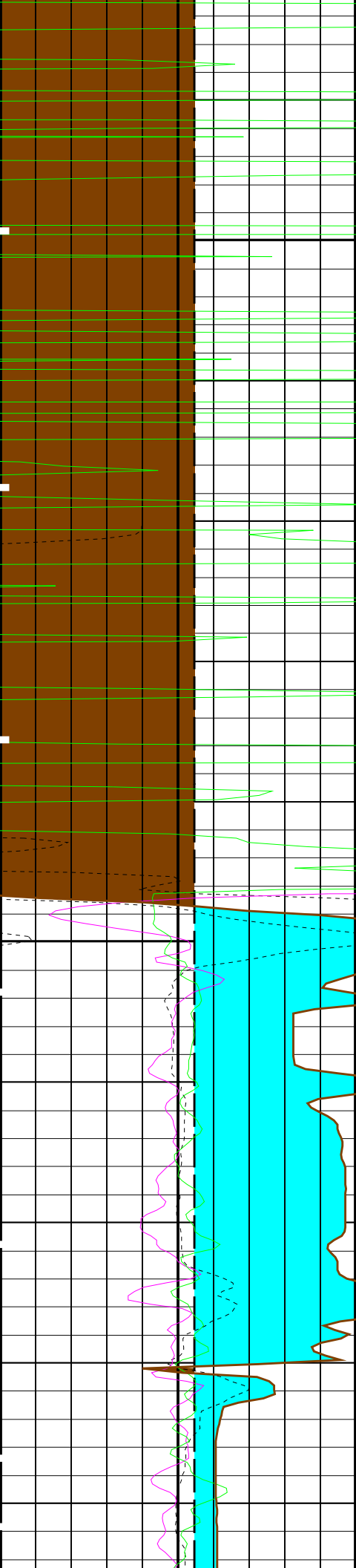
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

PIP SUMMARY

Time Mark Every 60 S

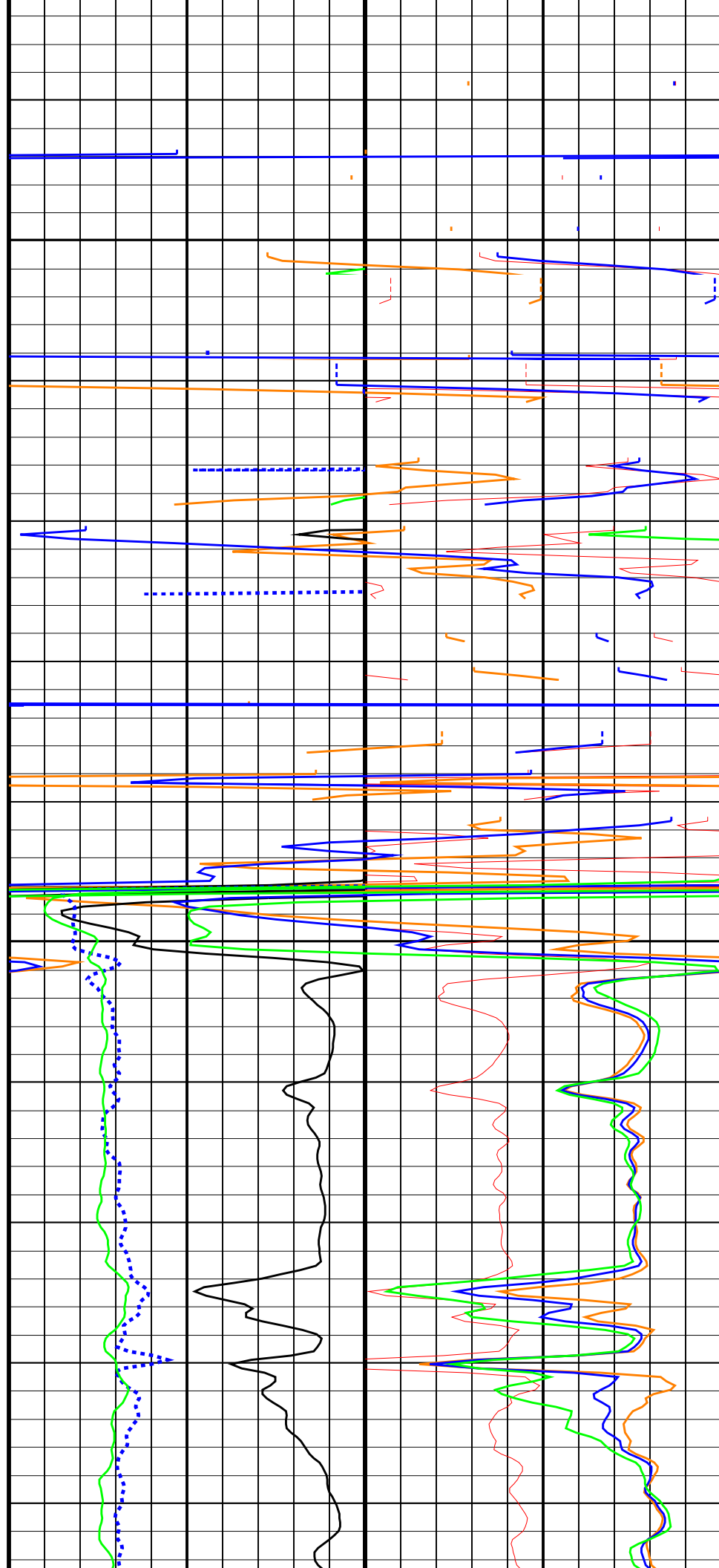
HLDS Long Spacing Quality Indicator (LQLS) -0.25 (----) 0.25		HLDS Short Spaced Bulk Density (RHS) 2 (G/C3) 3	
HLDS Short Spacing Quality Indicator (LQSS) -0.25 (----) 0.25		HLDS Long Spaced Photoelectric Effect (PEFL) 0 (----) 10	
Washout From BS to HLDS_CALIPER		HLDS Short Spaced Photoelectric Effect (PEFS) 0 (----) 10	
Mudcake From HLDS_CALIPER to BS		HLDS Long Spaced Bulk Density (RHL) 2 (G/C3) 3	
HLDS Caliper (LCAL) 6 (IN) 16		HLDS SS2 Density (RHS3) 2 (G/C3) 3	
Bit Size (BS) 6 (IN) 16		HLDS Density Porosity (DPO) 30 (PU) 0	
HLDS Bulk Density Correction (DRH) -0.25 (G/C3) 0.25		HLDS Bulk Density (RHOM) 2 (G/C3) 3	
Tension (TENS) (LBF) 10000 0			

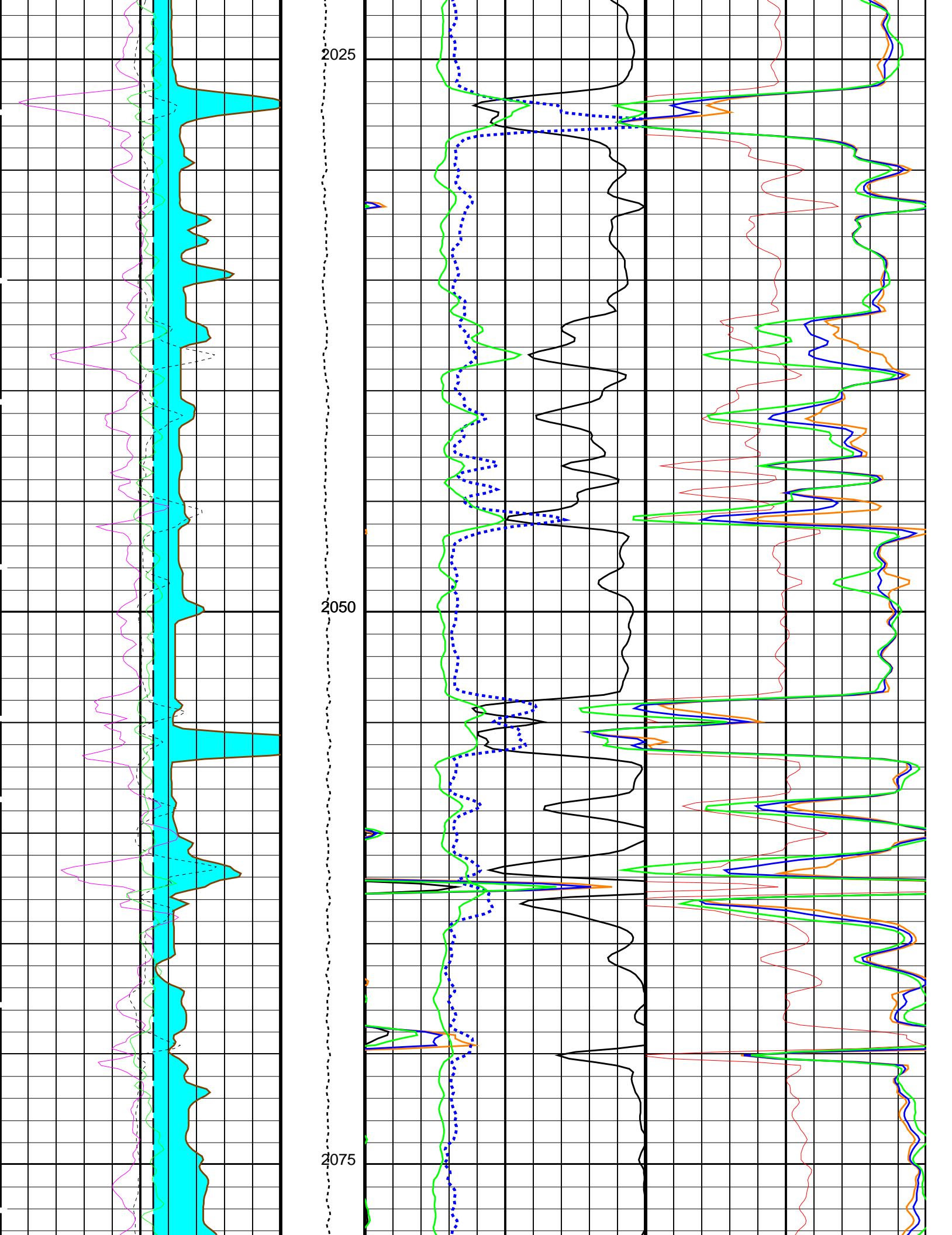




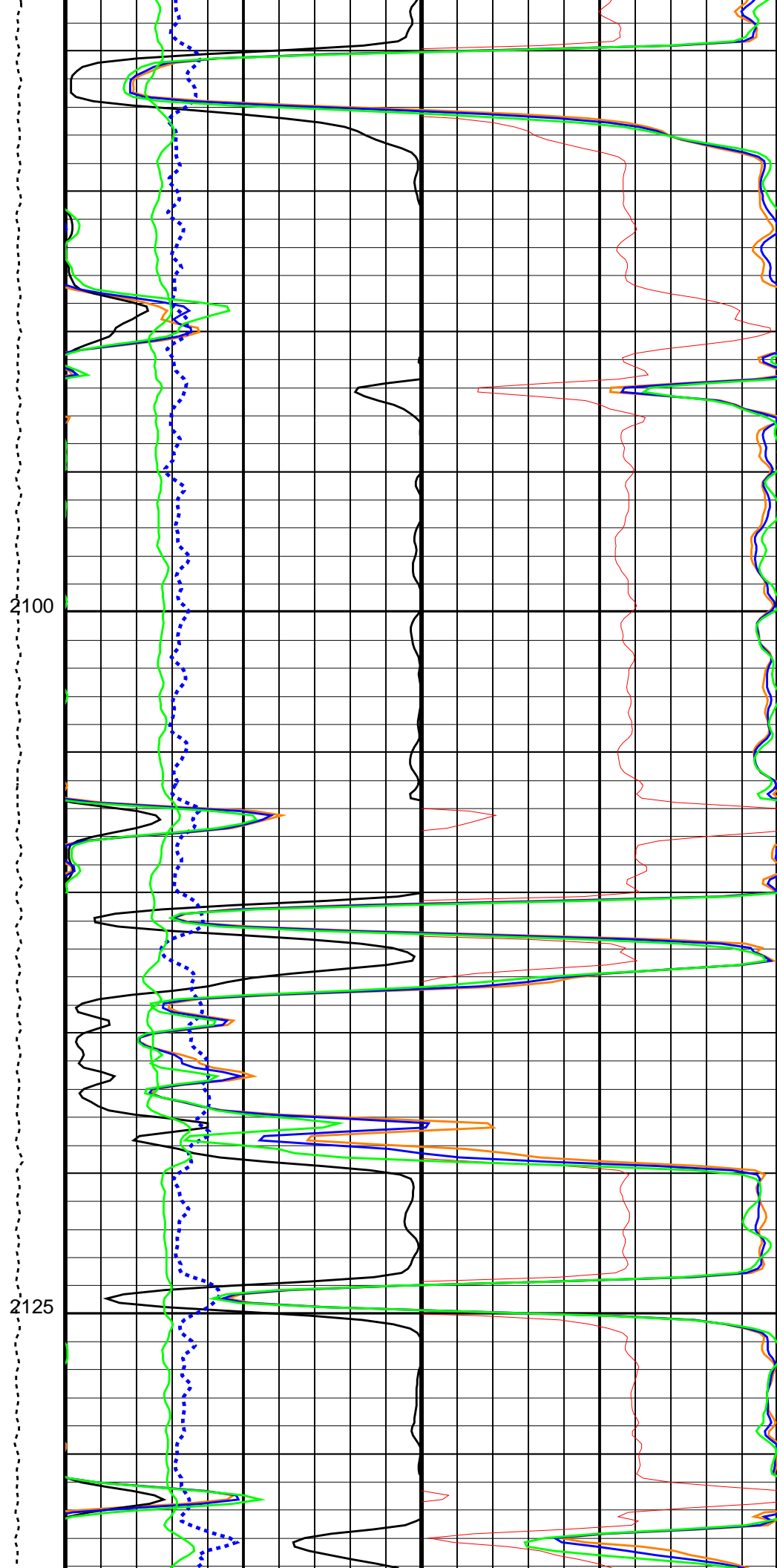
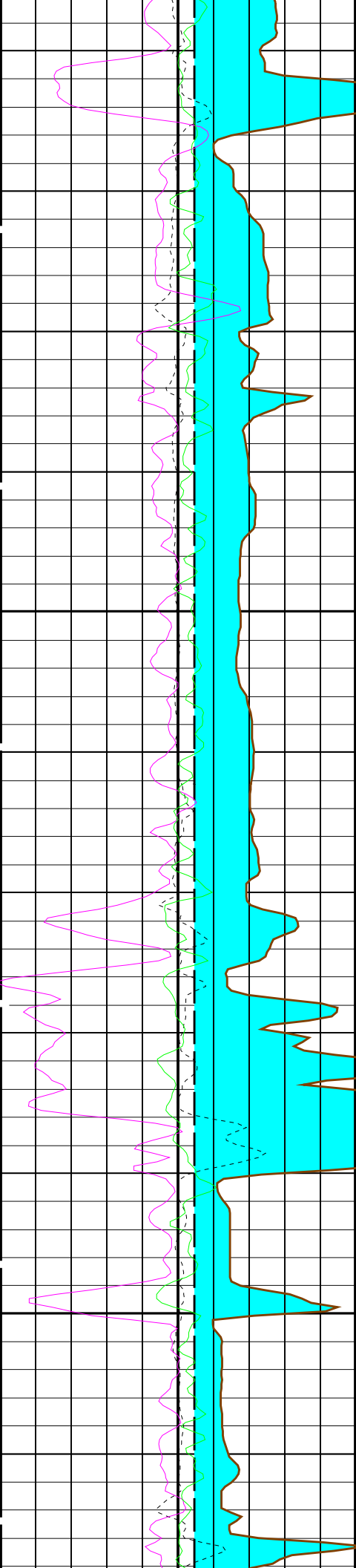
1975

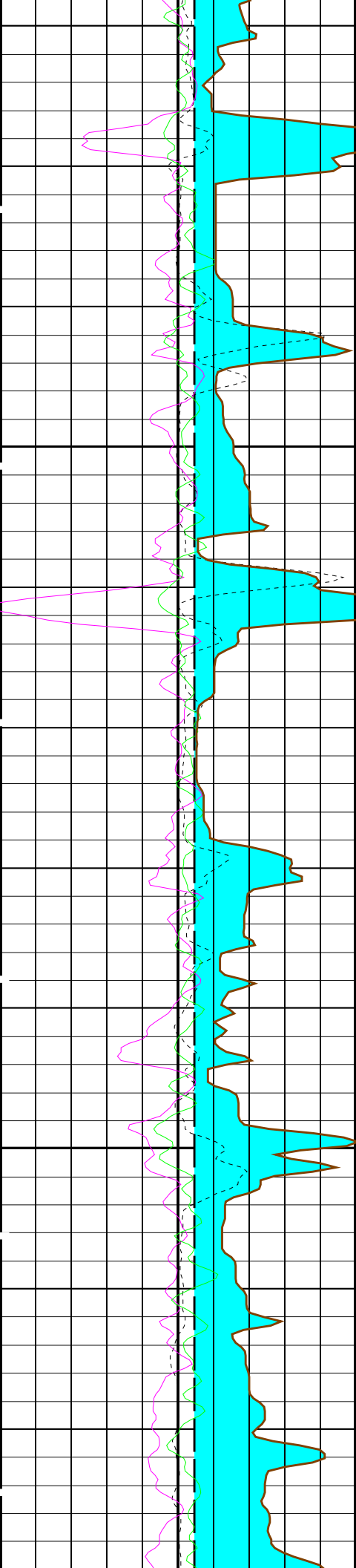
2000





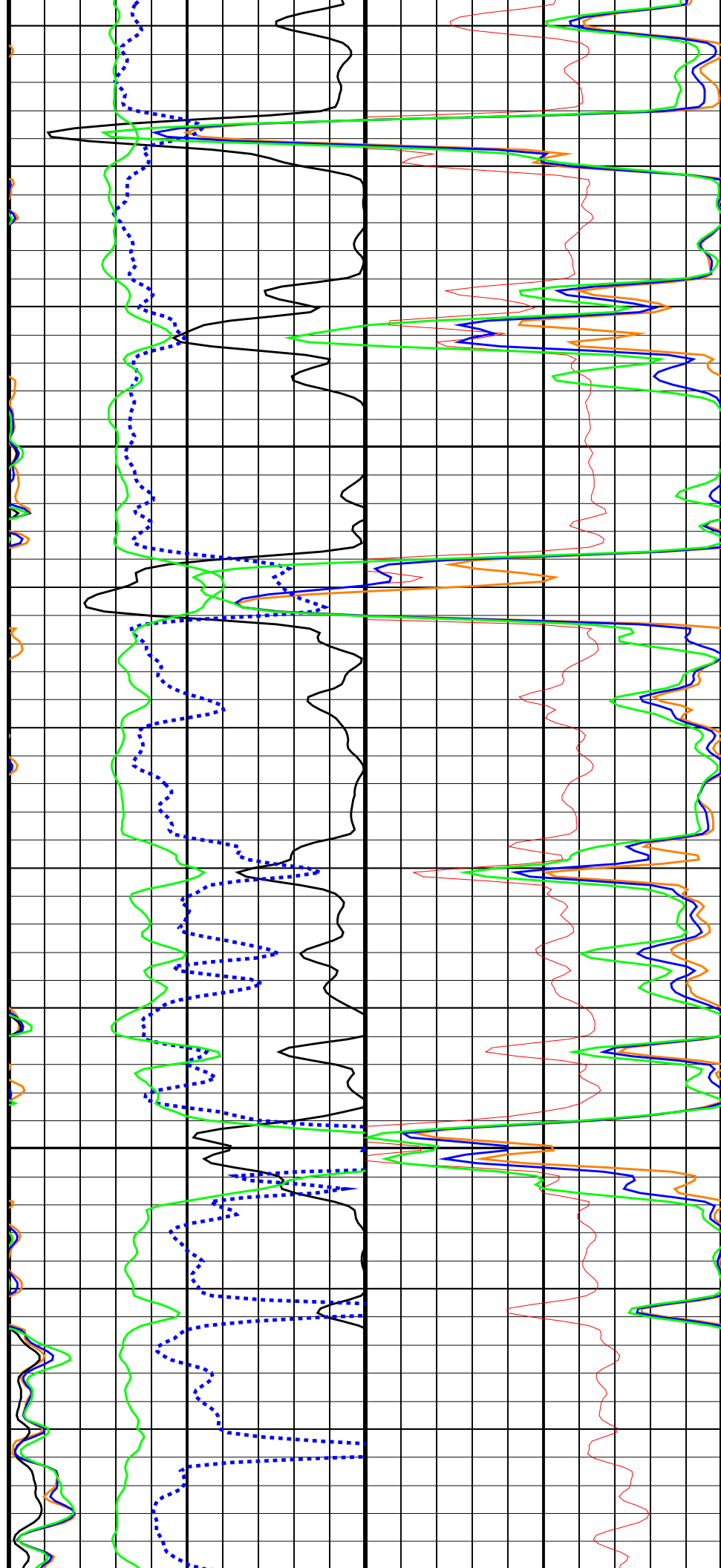


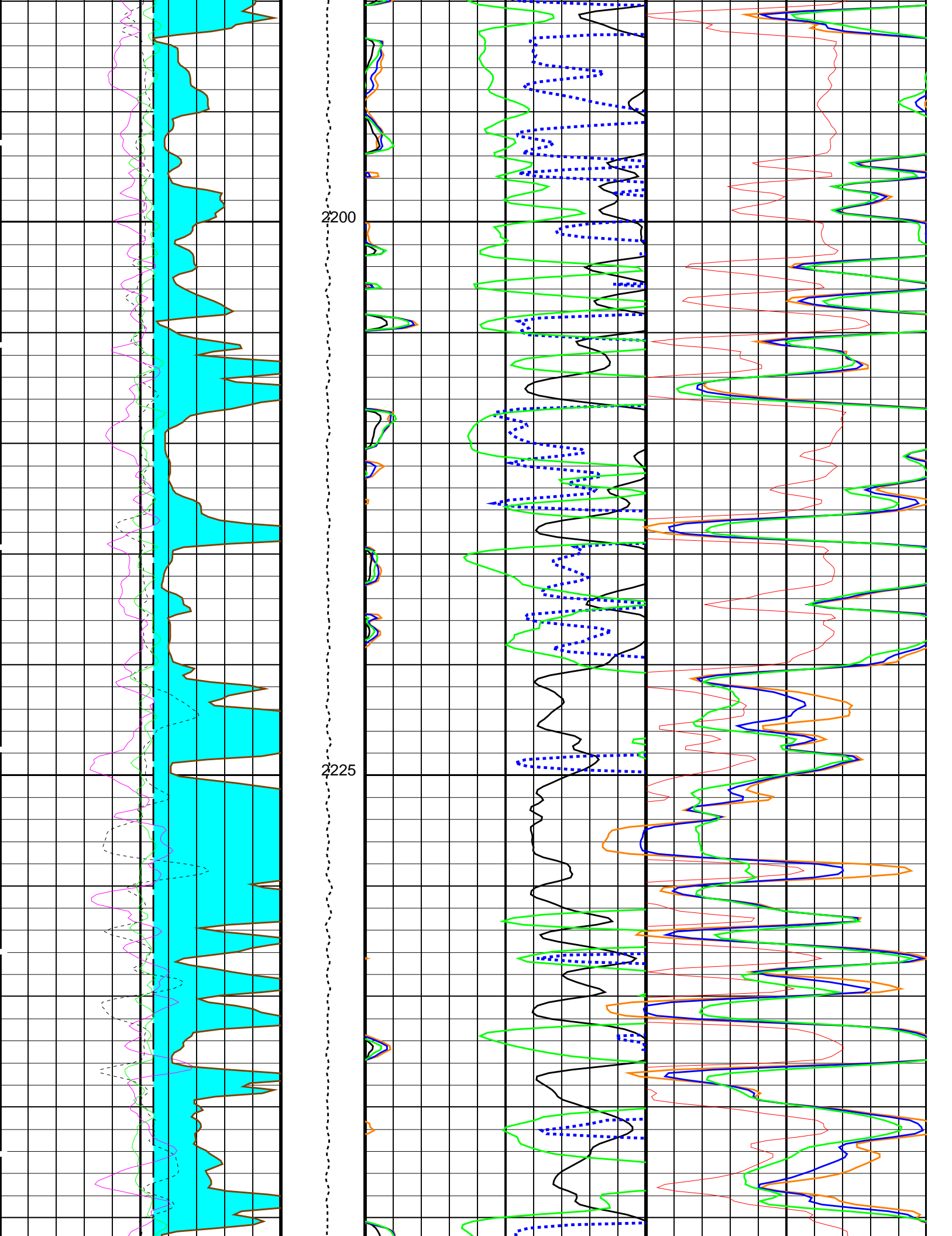


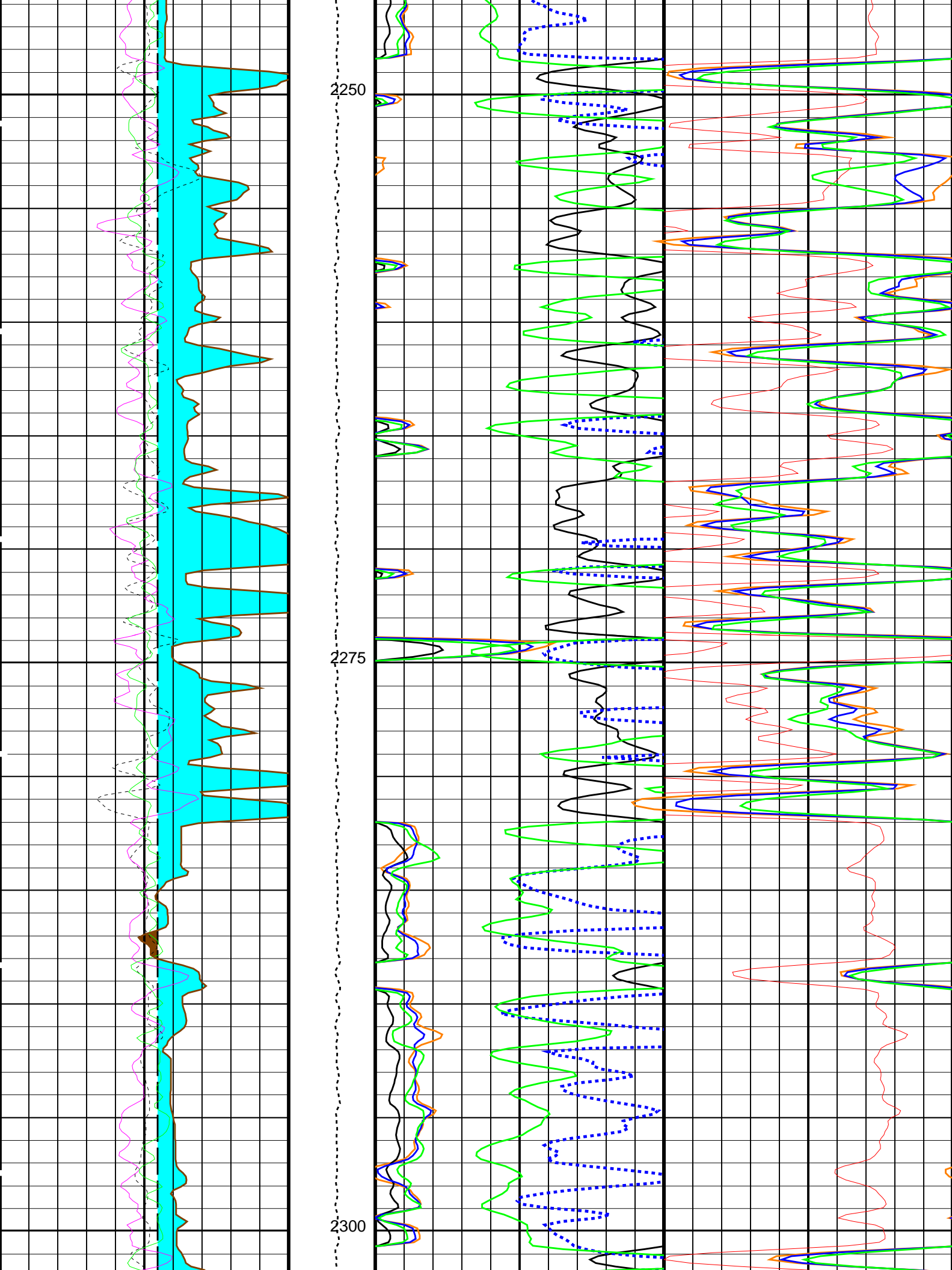


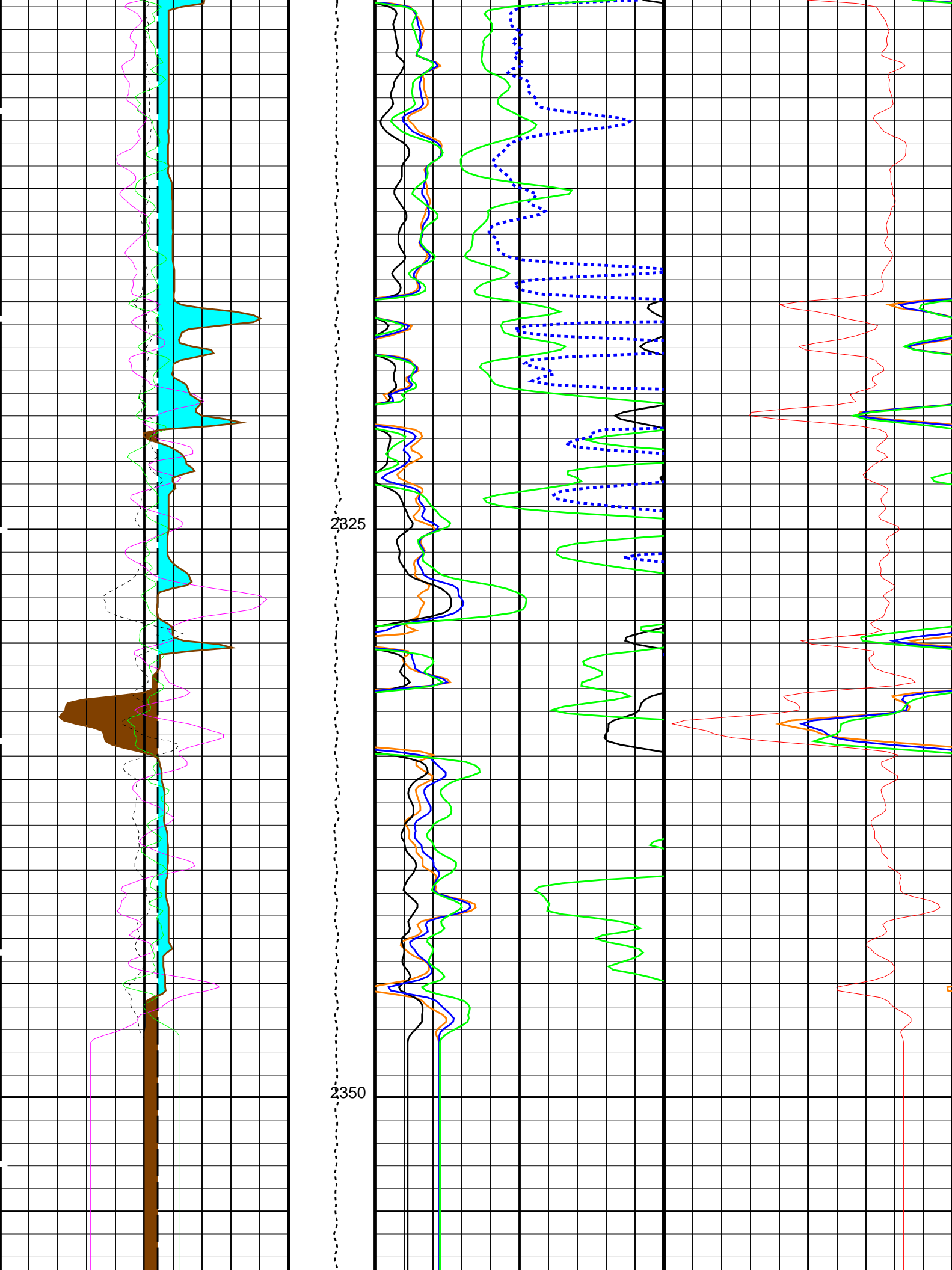
2150

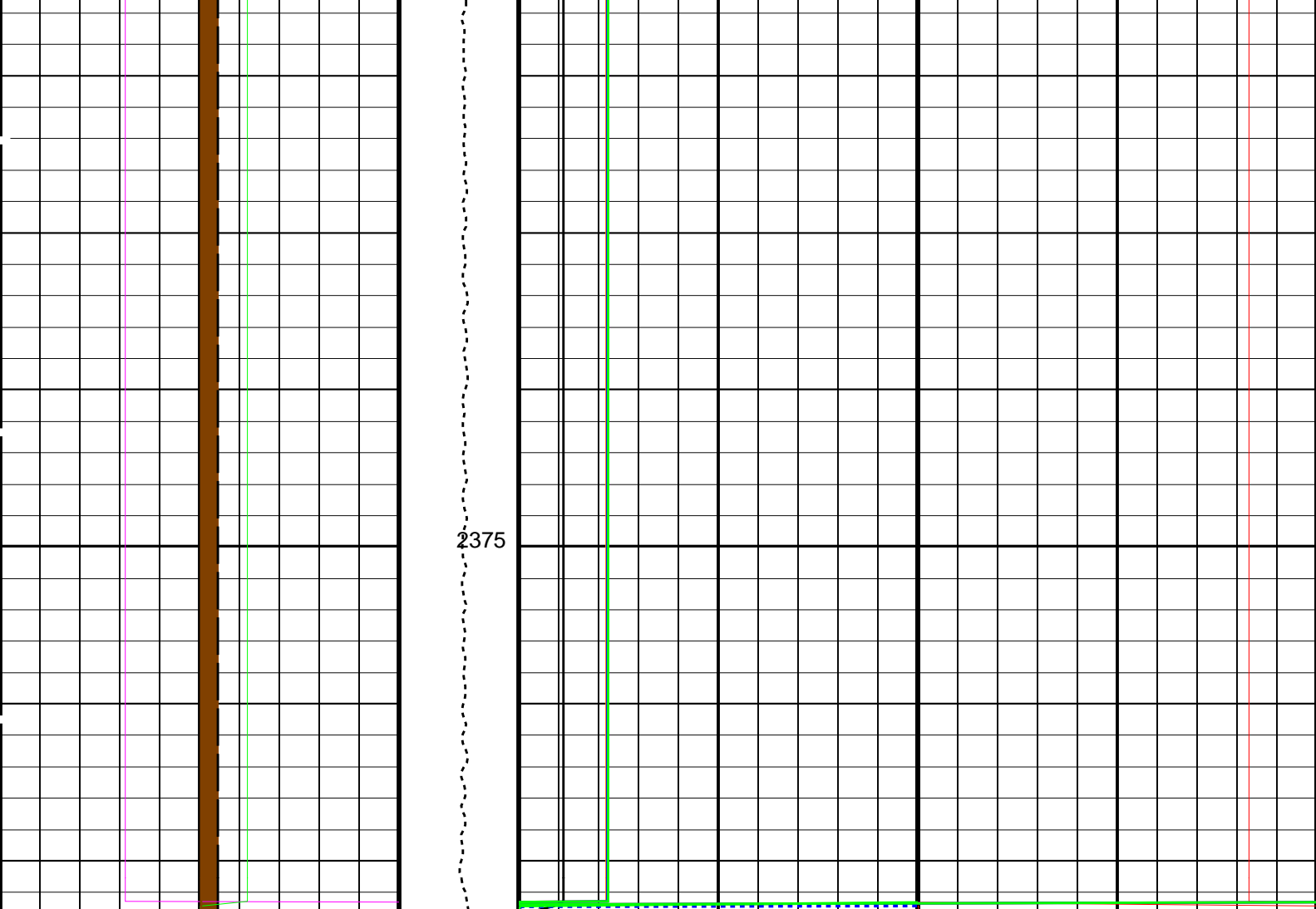
2175











HLDS Bulk Density Correction (DRH) -0.25 (G/C3) 0.25			Tension (TENS) (LBF) 10000 0	HLDS Bulk Density (RHOM) 2 (G/C3) 3		
Bit Size (BS) 6 (IN) 16				HLDS SS2 Density (RHS3) 2 (G/C3) 3		HLDS Density Porosity (DPO) 30 (PU) 0
HLDS Caliper (LCAL) 6 (IN) 16				HLDS Long Spaced Bulk Density (RHL) 2 (G/C3) 3		
Mudcake From HLDS_CALIPER to BS				HLDS Short Spaced Photoelectric Effect (PEFS) 0 (----) 10		
Washout From BS to HLDS_CALIPER				HLDS Long Spaced Photoelectric Effect (PEFL) 0 (----) 10		
HLDS Short Spacing Quality Indicator (LQSS) -0.25 (----) 0.25				HLDS Short Spaced Bulk Density (RHS) 2 (G/C3) 3		
HLDS Long Spacing Quality Indicator (LQLS) -0.25 (----) 0.25						

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
HLDS: Hostile Litho Density Sander		

DHC	HLDS: Hostile Litho-Density Sonde	Density Hole Correction	CALIPER	
DPPM		Density Porosity Processing Mode	HIRS	
FD		Fluid Density	1	G/C3
LATC		HLDS Activation Correction	OFF	
MDEN		Matrix Density	2.71	G/C3
	EDTC-B: Enhanced DTS Cartridge			
DPPM		Density Porosity Processing Mode	HIRS	
	System and Miscellaneous			
BS		Bit Size	11.438	IN

Format: HLDSDensityPE      Vertical Scale: 1:200      Graphics File Created: 09-Sep-2023 03:36

OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

Output DLIS Files			
DEFAULT	MSS_LDEO_DSI_HRLA_007LUP	FN:5	PRODUCER    09-Sep-2023 03:36

Company: International Ocean Discovery Program      Well: Expedition 400, Site U1604B

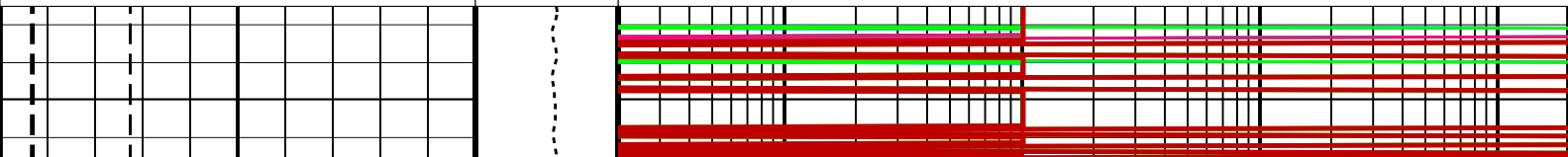
Output DLIS Files			
DEFAULT	MSS_LDEO_DSI_HRLA_007LUP	FN:5	PRODUCER    09-Sep-2023 03:36    2386.6 M    1943.1 M

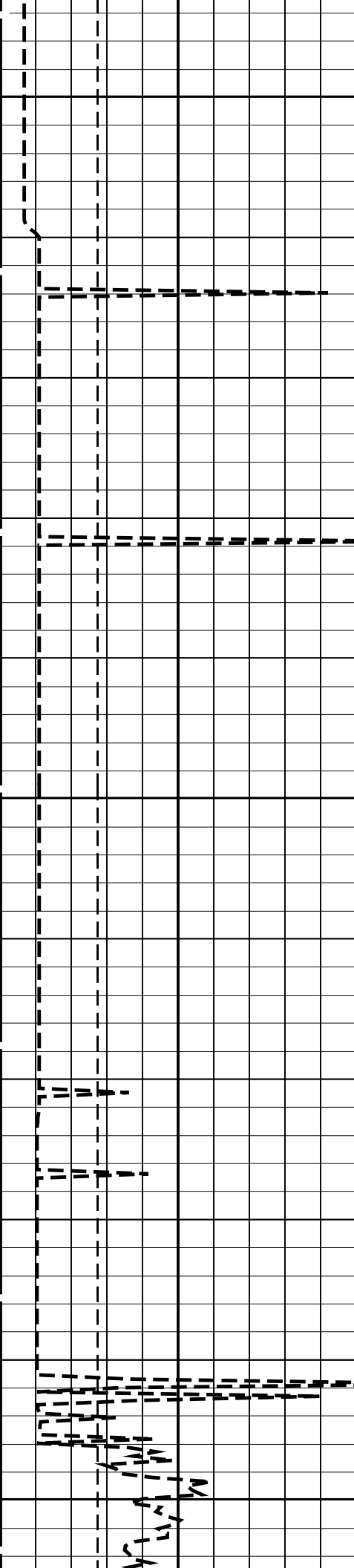
OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

PIP SUMMARY

 Time Mark Every 60 S

<div><div>Invasion Diameter (DI_HRLT) (IN)</div><div>050</div></div> <div><div>Bit Size (BS) (IN)</div><div>626</div></div> <div><div>Tension (TENS) (LBF)</div><div>100000</div></div>		HRLT True Resistivity (RT_HRLT)	
		0.2	(OHMM) 2000
		Invaded Zone Resistivity (RXO_HRLT)	
		0.2	(OHMM) 2000
		HRLT Mud Resistivity (RM_HRLT)	
		0.02	(OHMM) 200
		HRLT Resistivity 5 (RLA5)	
		0.2	(OHMM) 2000
		HRLT Resistivity 4 (RLA4)	
		0.2	(OHMM) 2000
		HRLT Resistivity 3 (RLA3)	
		0.2	(OHMM) 2000
		HRLT Resistivity 2 (RLA2)	
		0.2	(OHMM) 2000
		HRLT Resistivity 1 (RLA1)	
		0.2	(OHMM) 2000

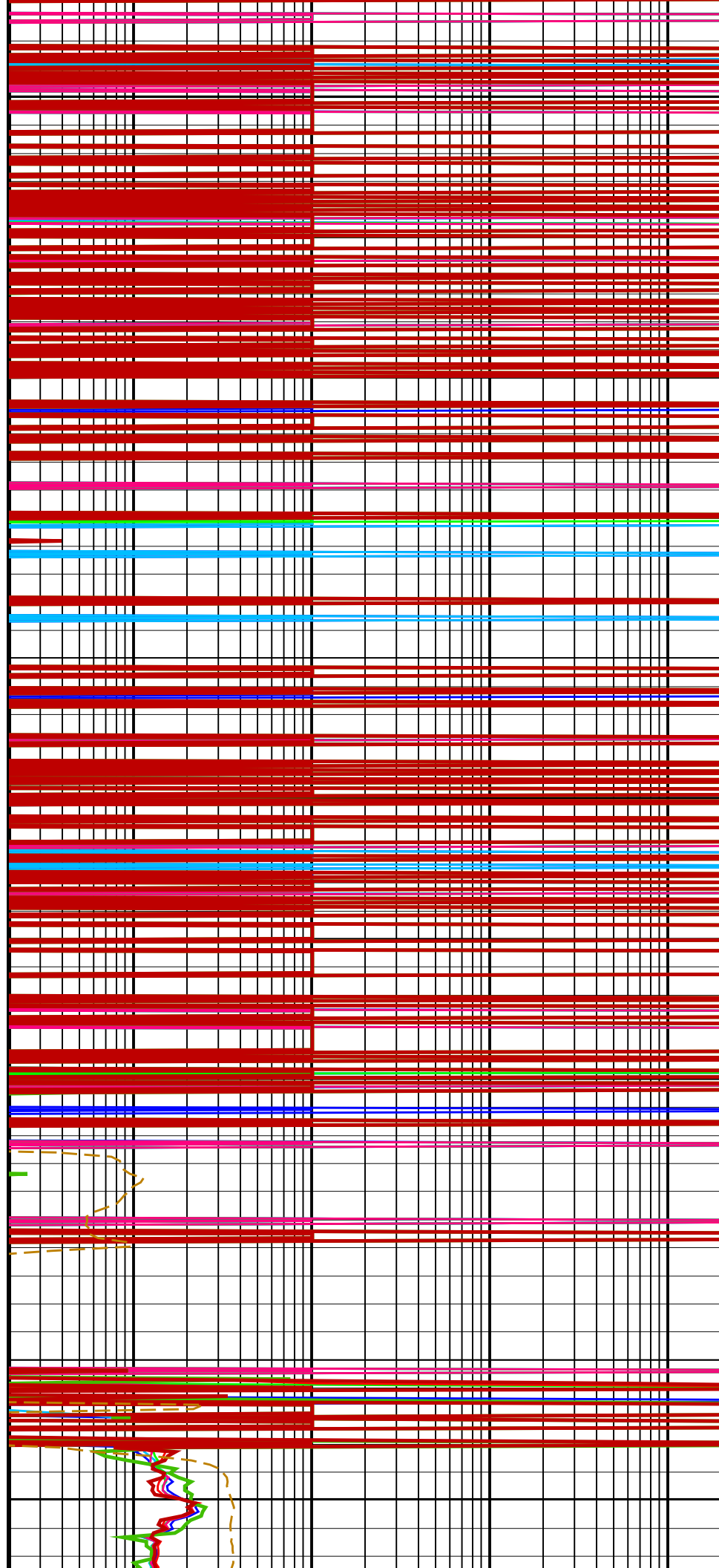




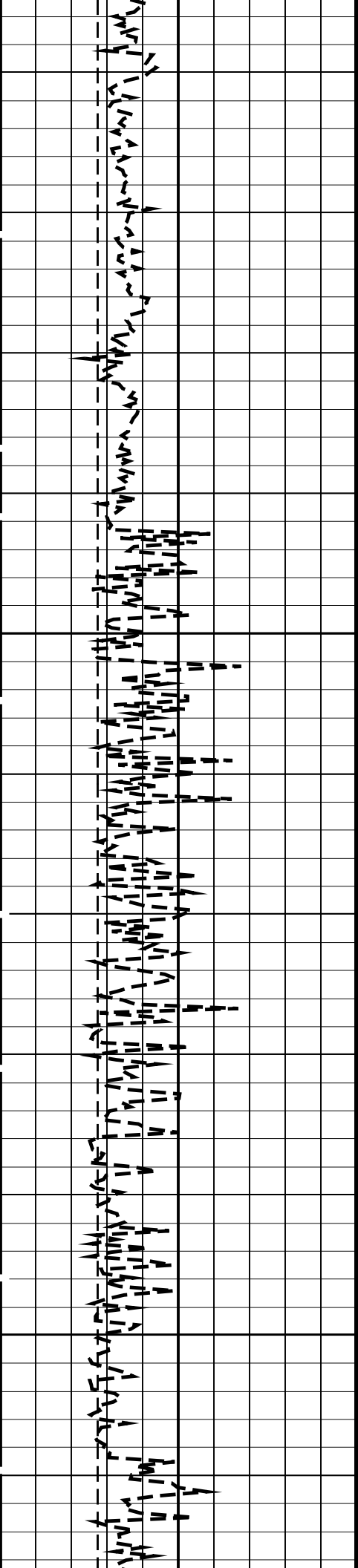
1950

1975

2000

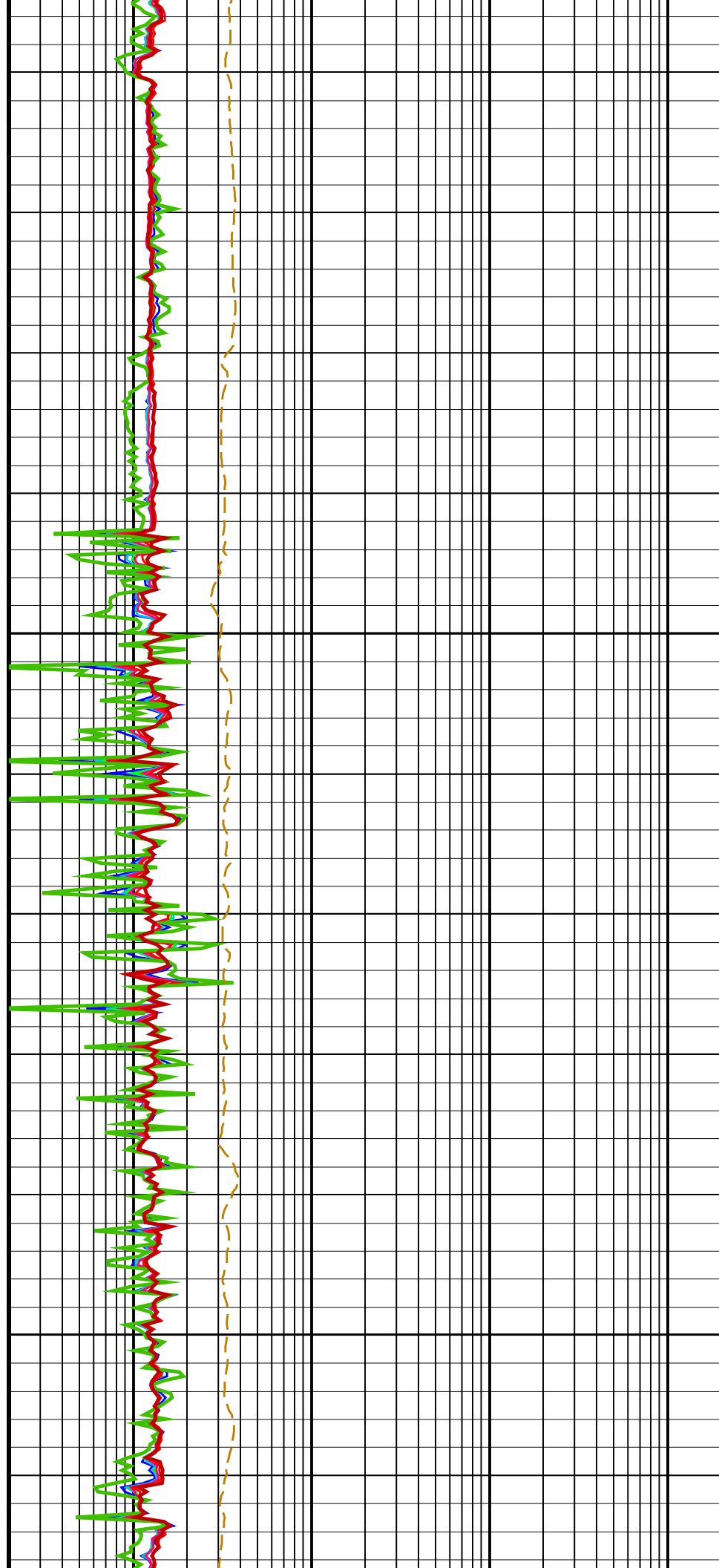


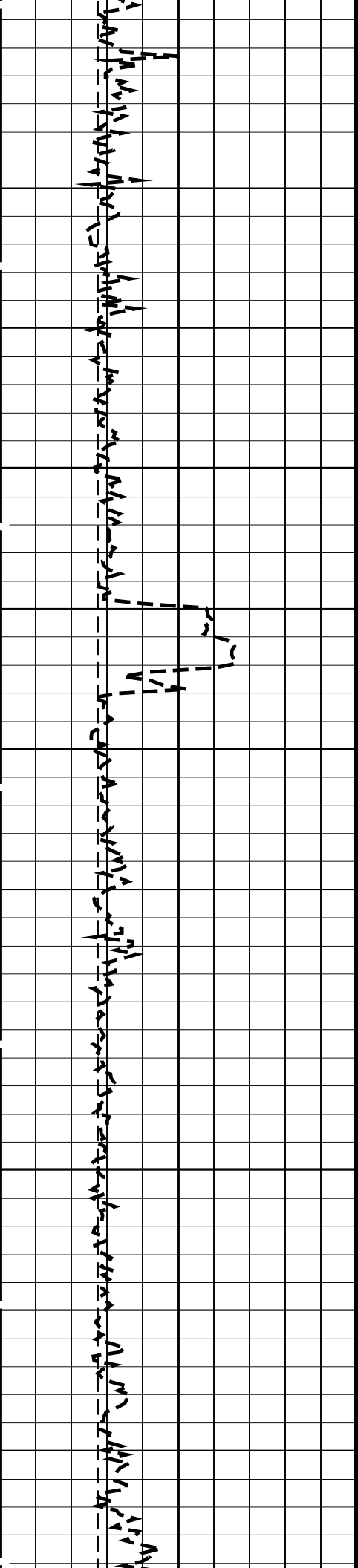




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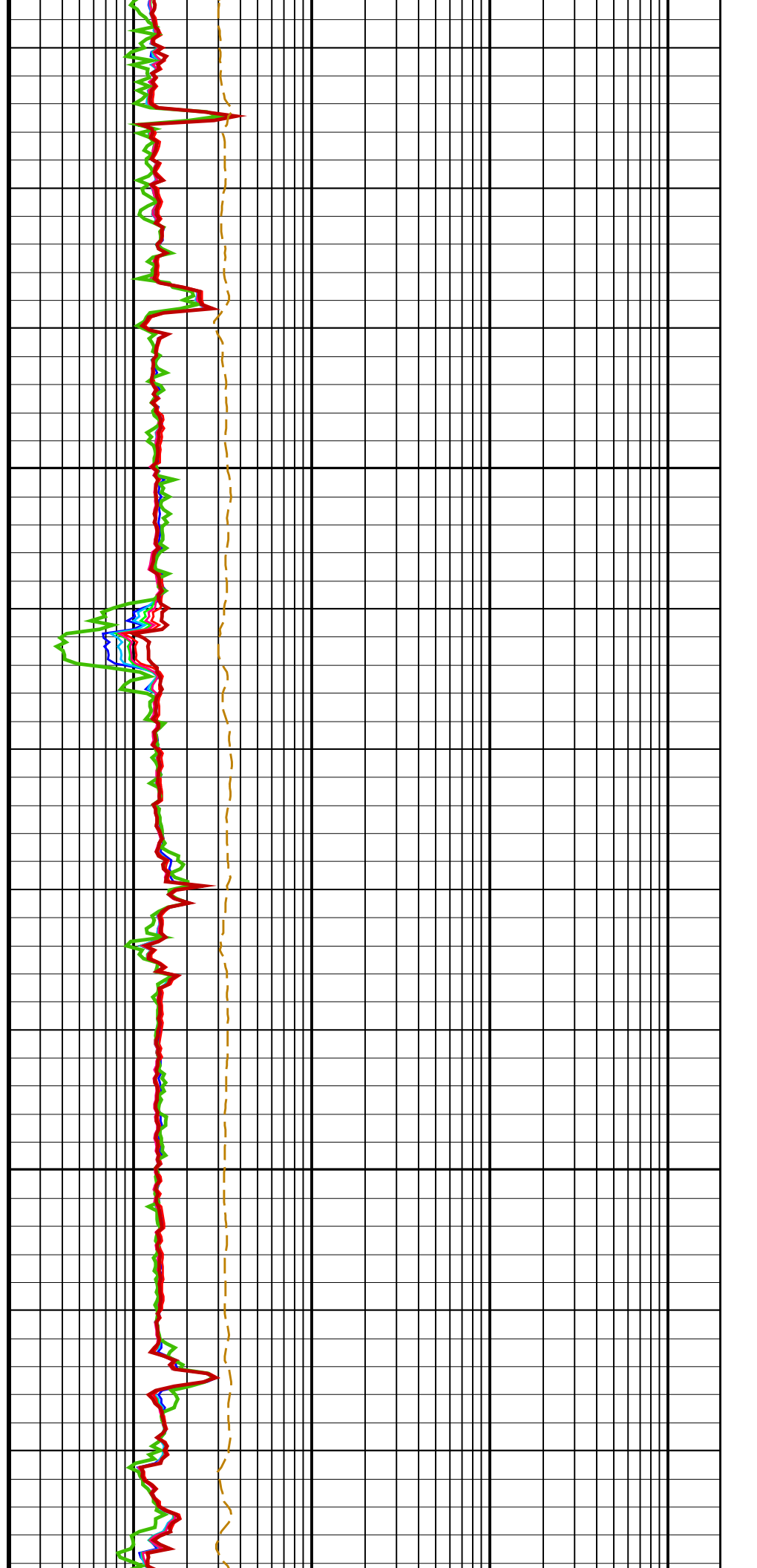
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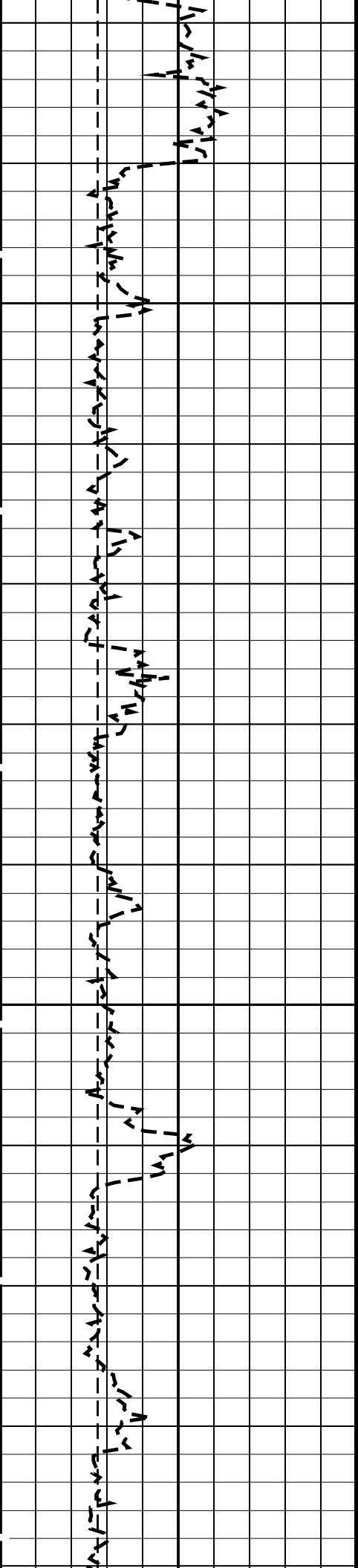




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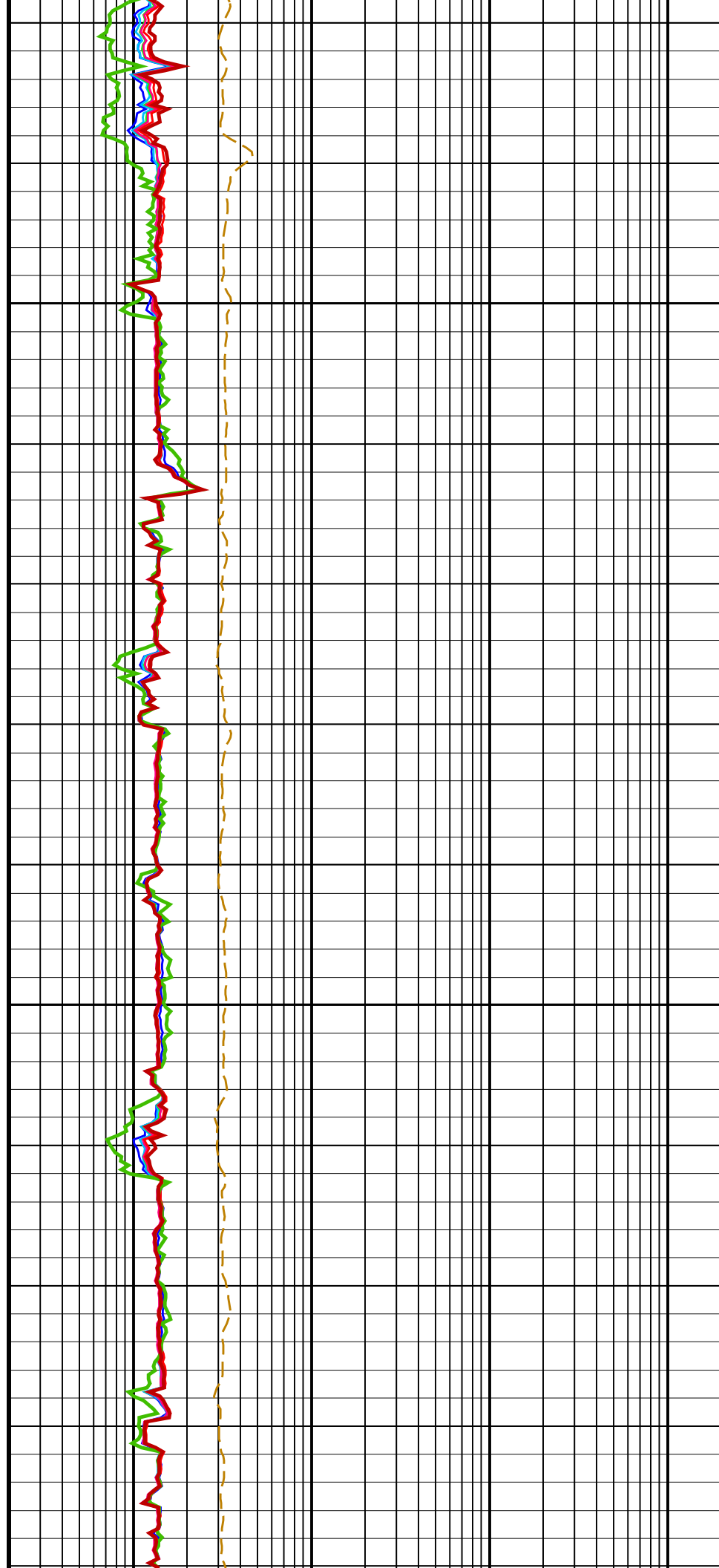
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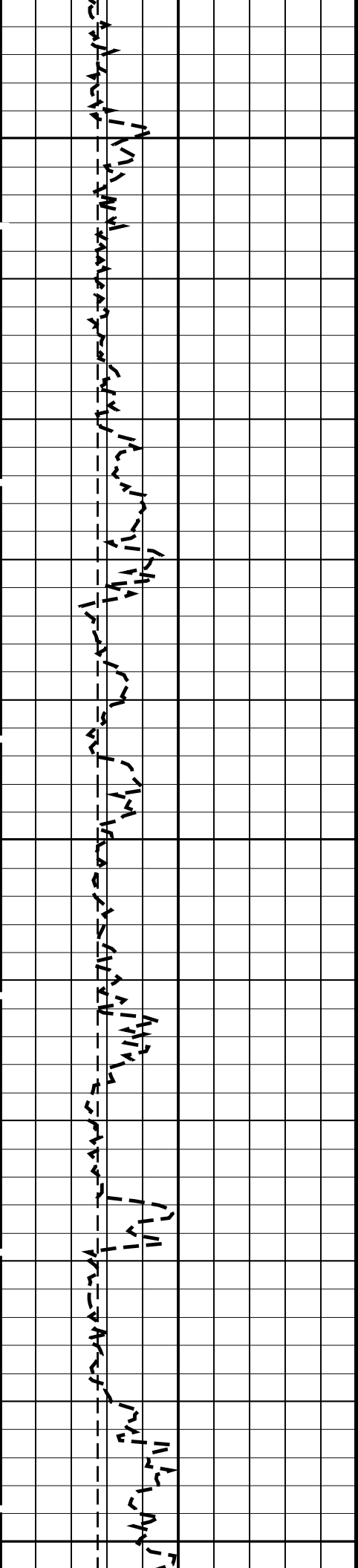




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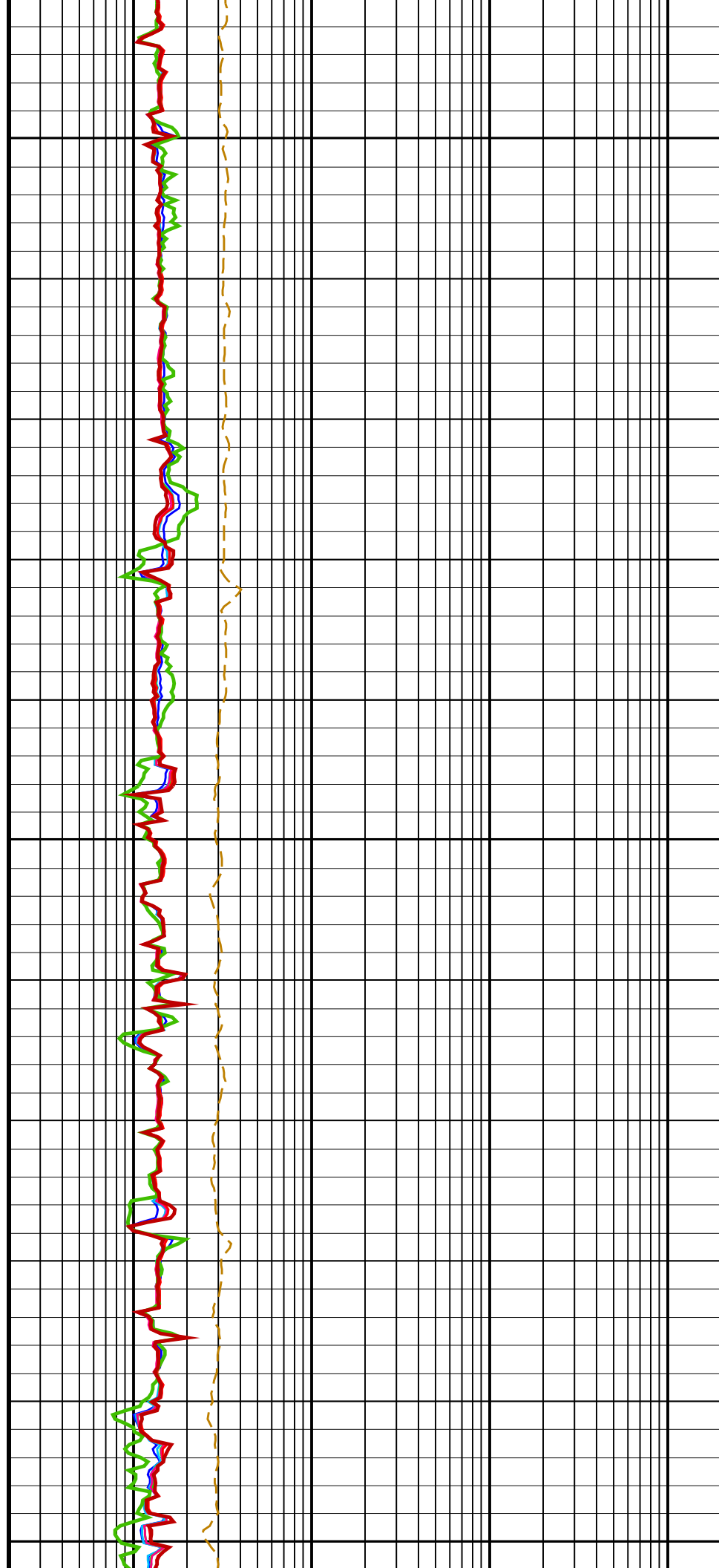




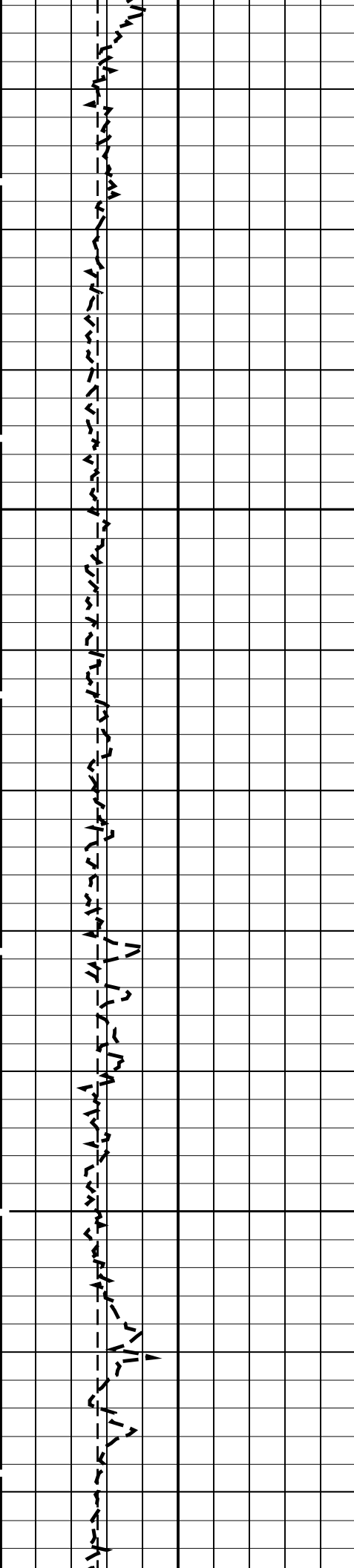
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2200

2225

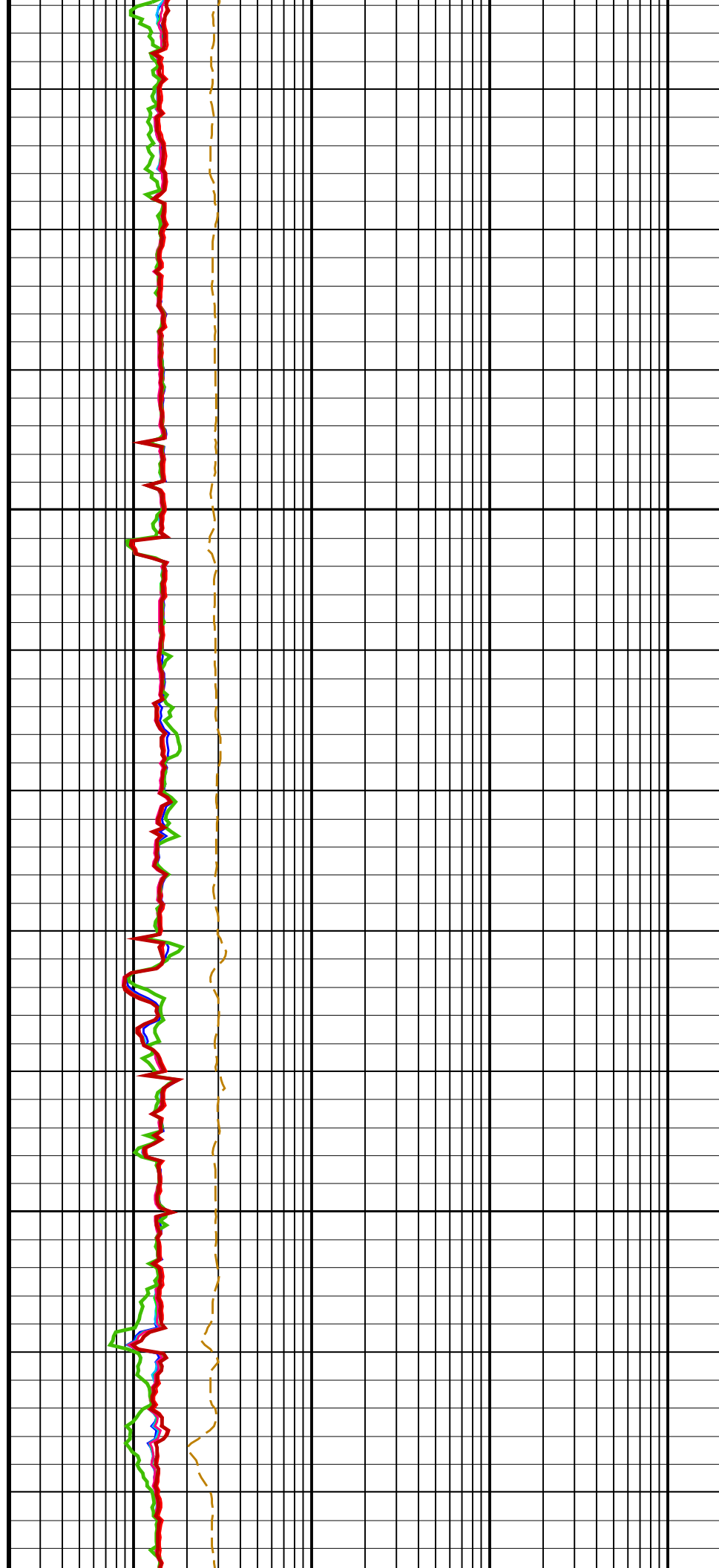


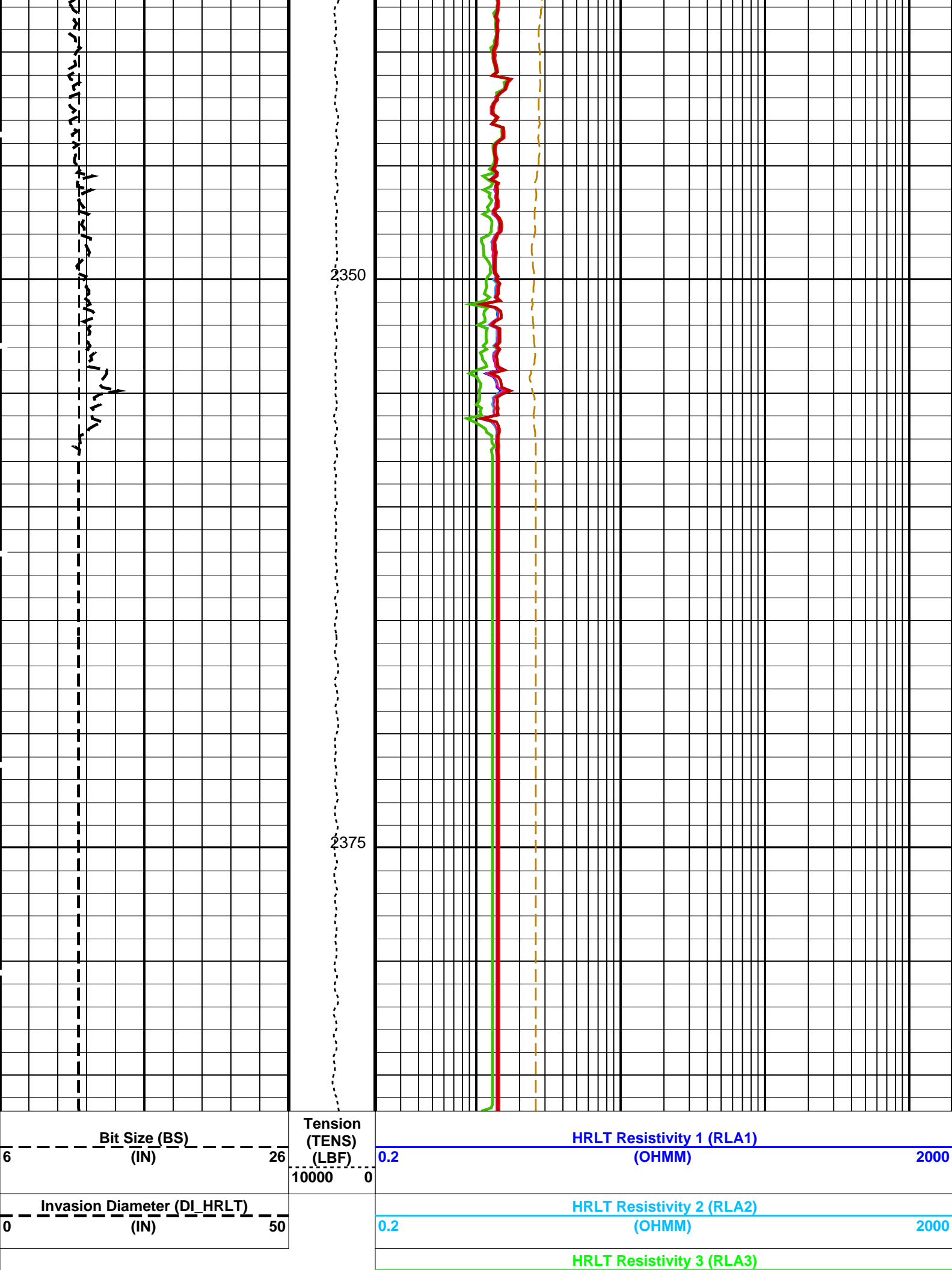




2300

2325





	0.2	(OHMM)	2000
	HRLT Resistivity 4 (RLA4)		
	0.2	(OHMM)	2000
	HRLT Resistivity 5 (RLA5)		
	0.2	(OHMM)	2000
	HRLT Mud Resistivity (RM_HRLT)		
	0.02	(OHMM)	200
	Invaded Zone Resistivity (RXO_HRLT)		
	0.2	(OHMM)	2000
	HRLT True Resistivity (RT_HRLT)		
	0.2	(OHMM)	2000

PIP SUMMARY

Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
HRLT-B: High Resolution Laterolog Array – B			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
PROCINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Centered	
SHT	Surface Hole Temperature	68	DEGF
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
EDTC-B: Enhanced DTS Cartridge			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
BS	Bit Size	11.438	IN
MST	Mud Sample Temperature	23.00	DEGC
TD	Total Depth	10190.3	FT

Format: HRLT    Vertical Scale: 1:200    Graphics File Created: 09-Sep-2023 03:36

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

Output DLIS Files

DEFAULT    MSS\_LDEO\_DSI\_HRLA\_007LUP    FN:5    PRODUCER    09-Sep-2023 03:36



Output DLIS Files

DEFAULT

MSS\_LDEO\_DSI\_HRLA\_007LUP

FN:5

PRODUCER

09-Sep-2023 03:36

2386.6 M

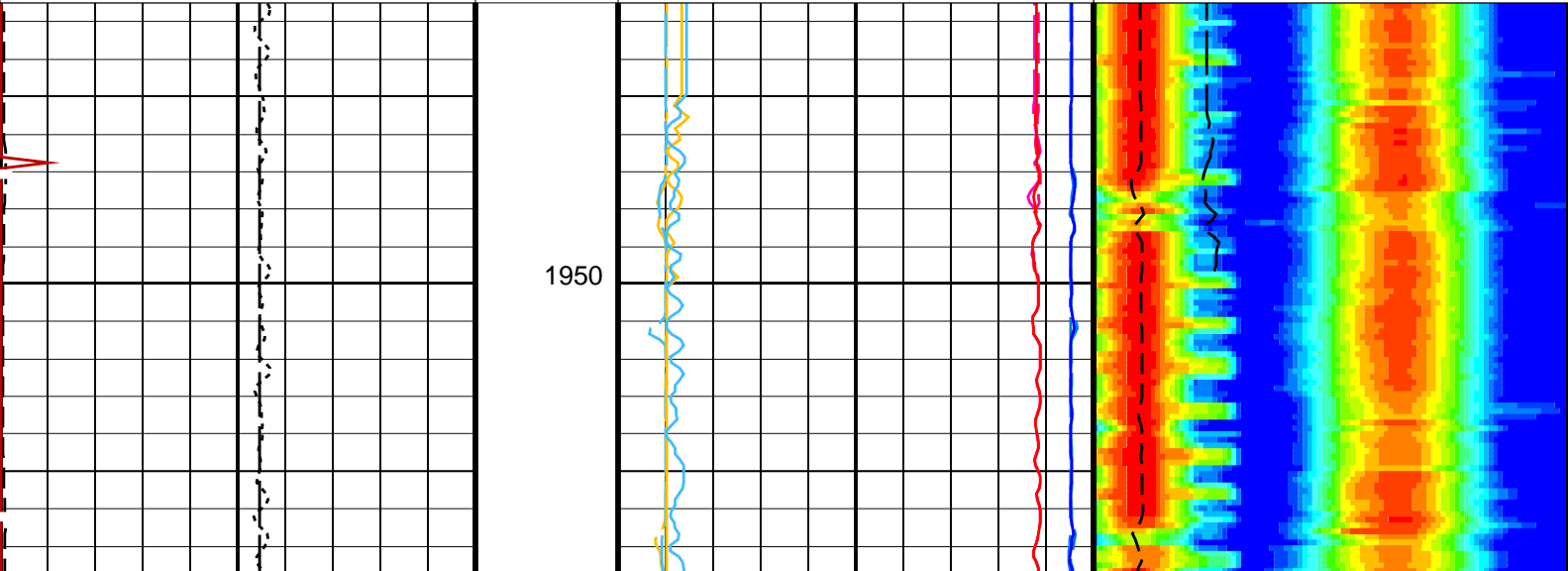
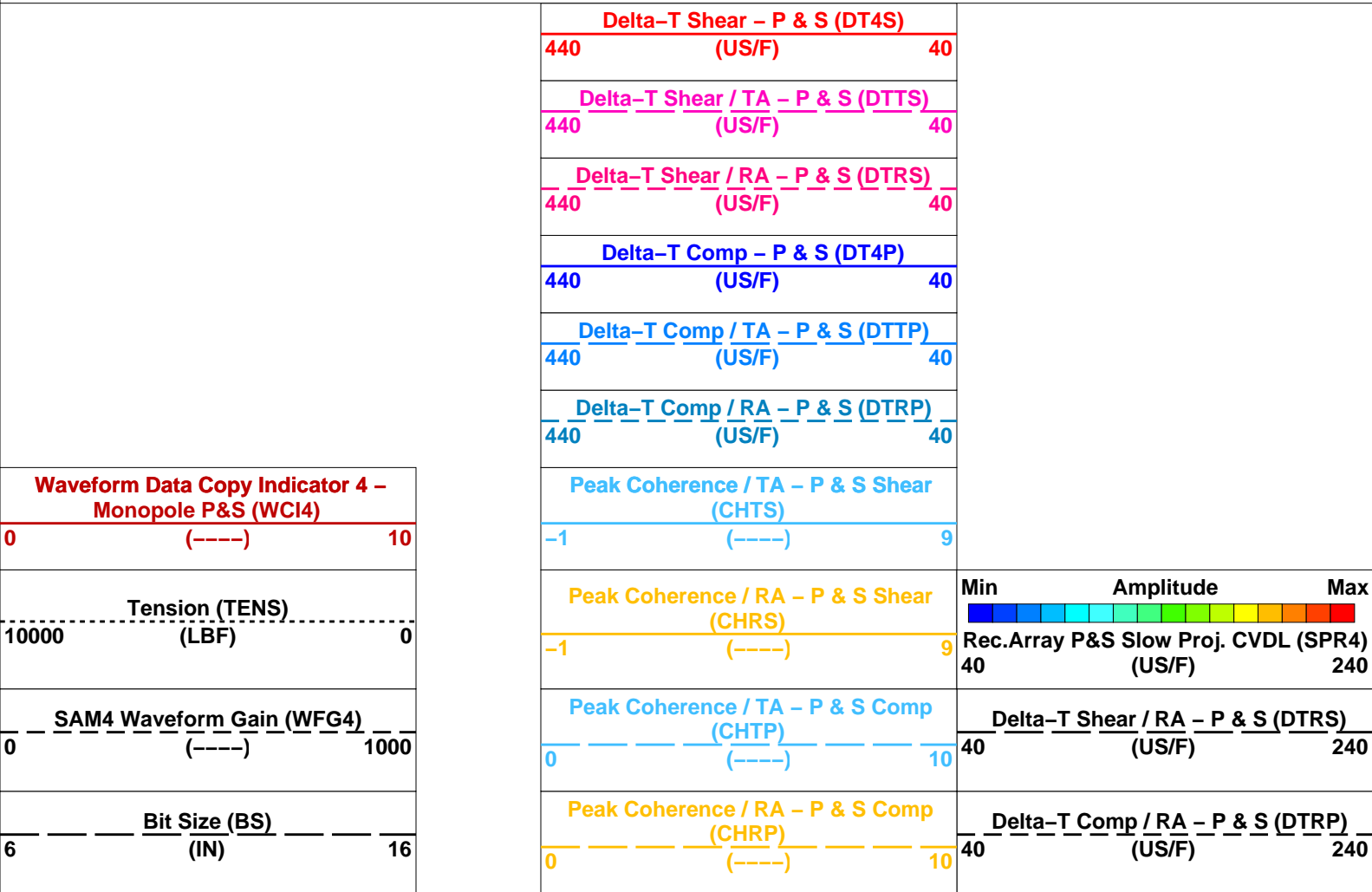
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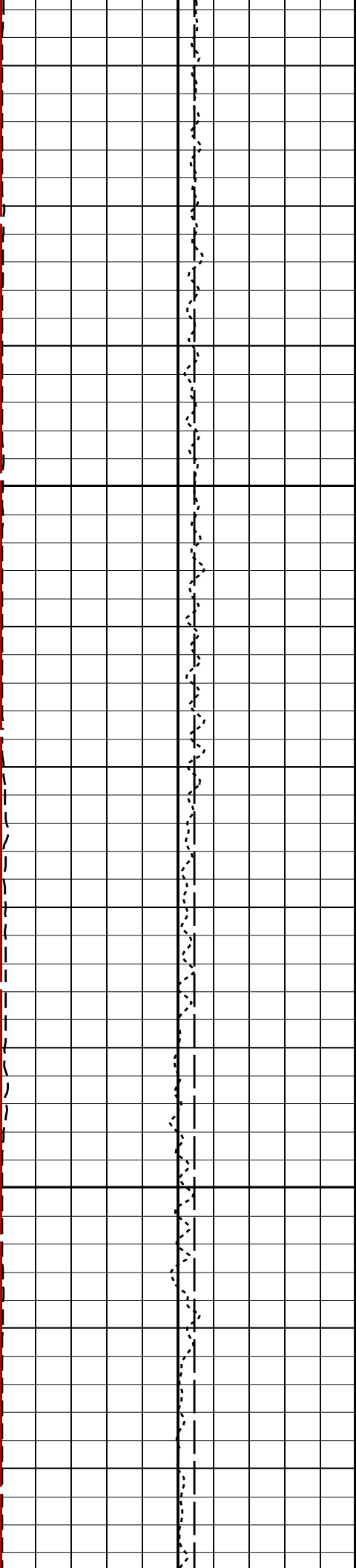
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
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LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

PIP SUMMARY

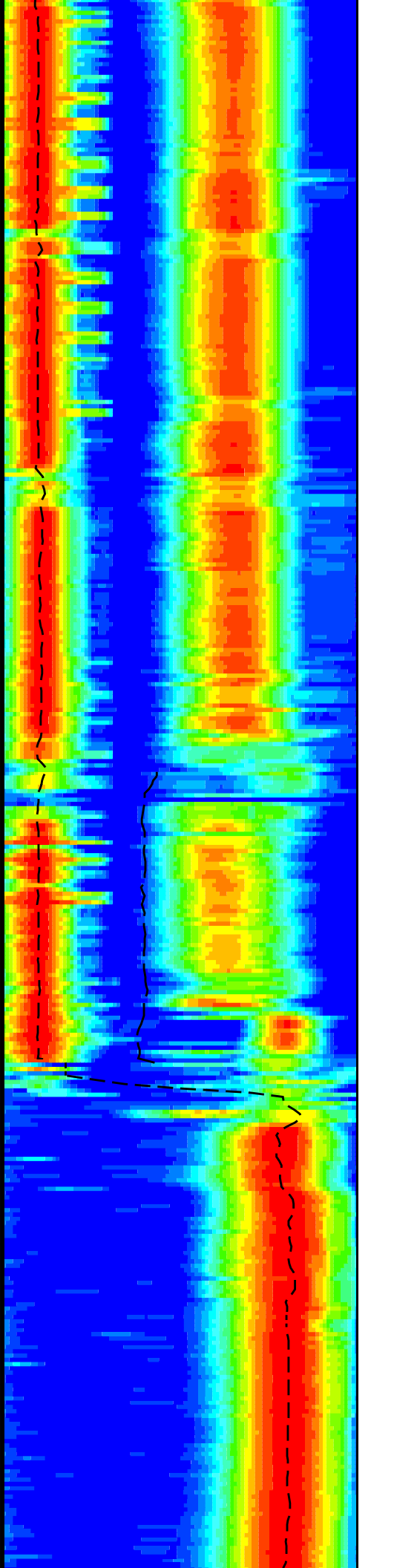
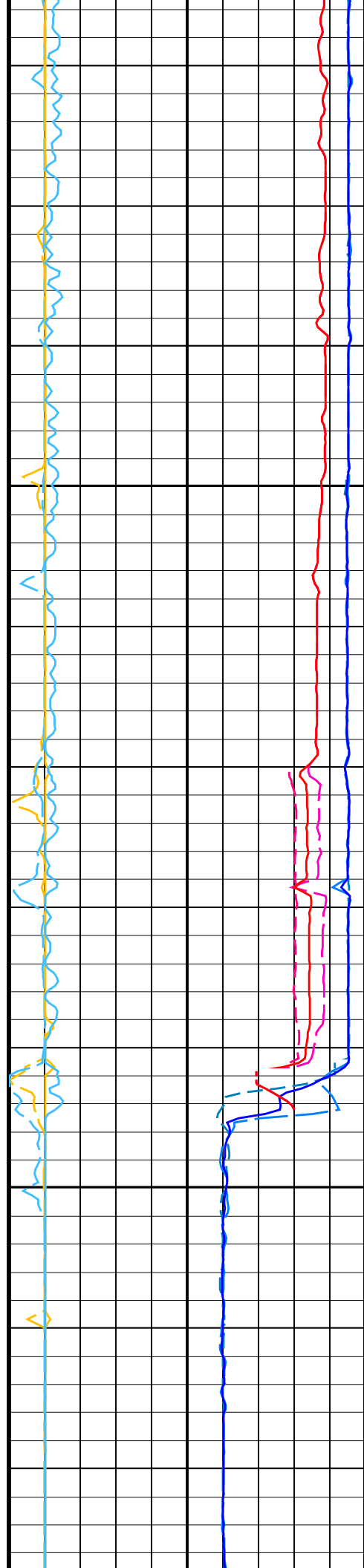
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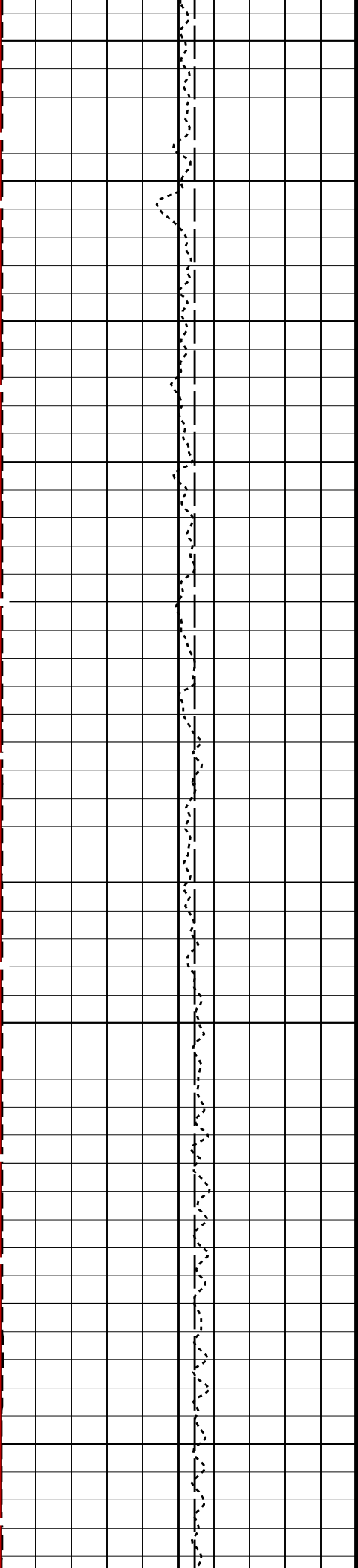




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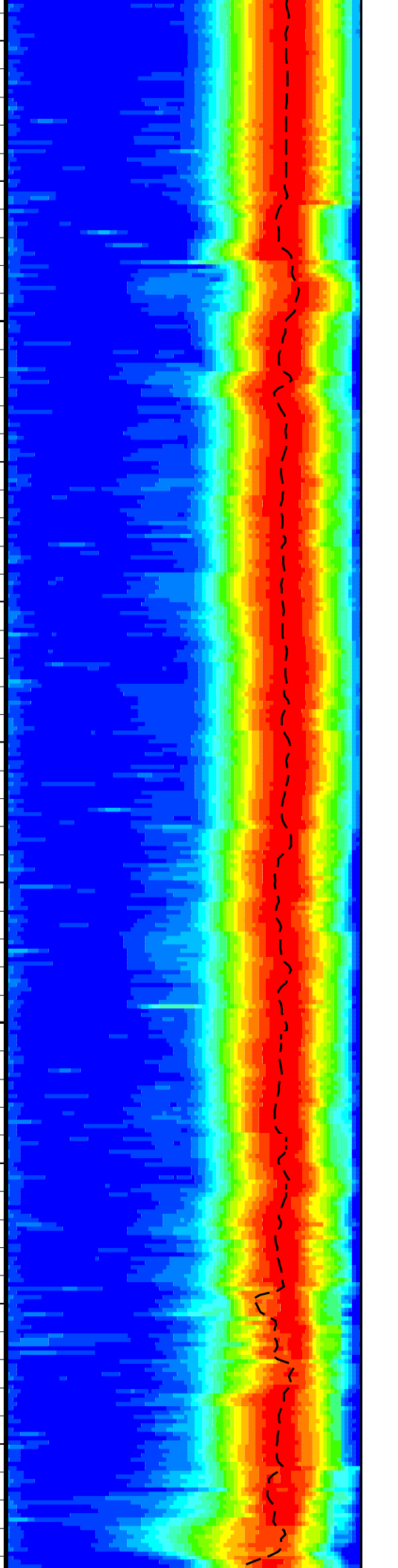
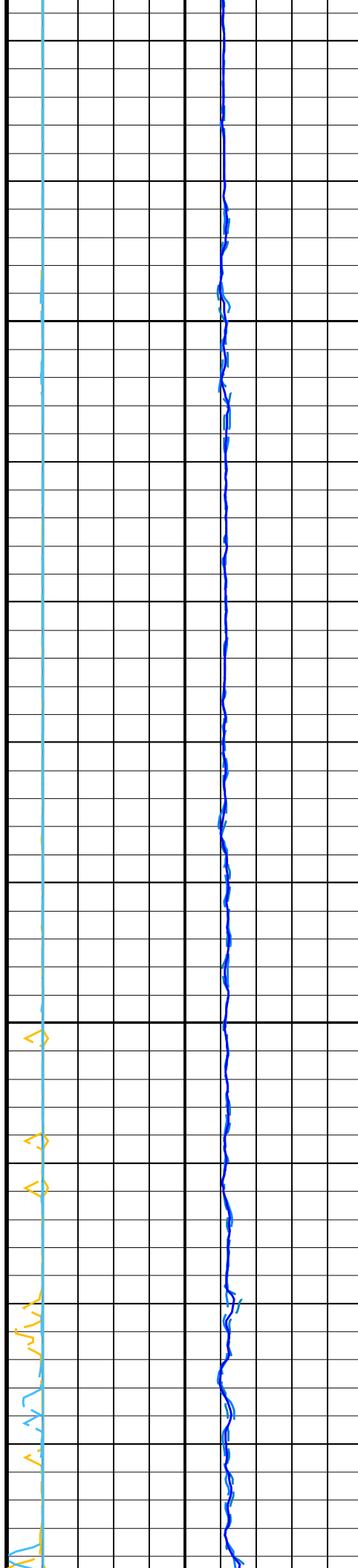
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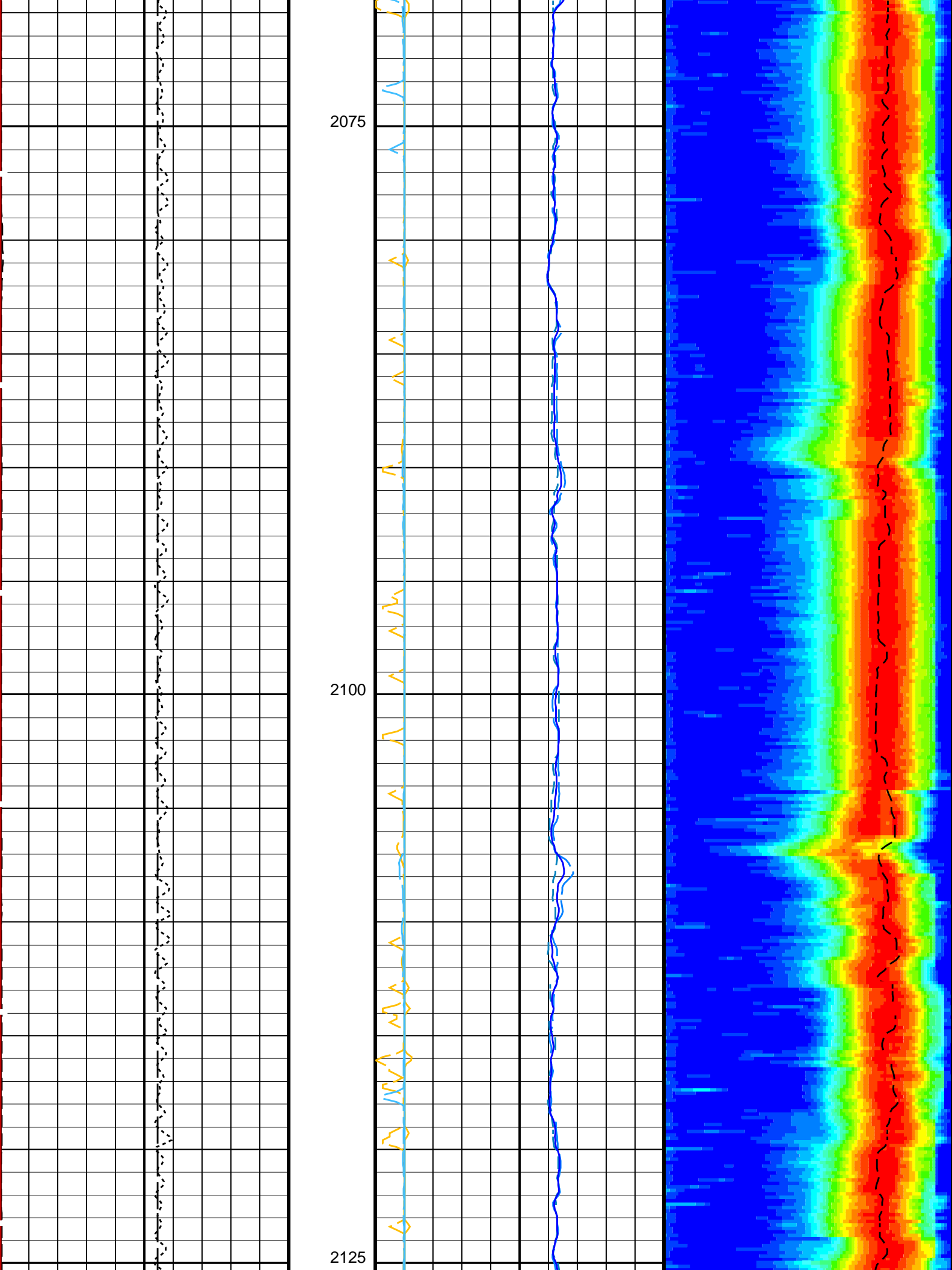


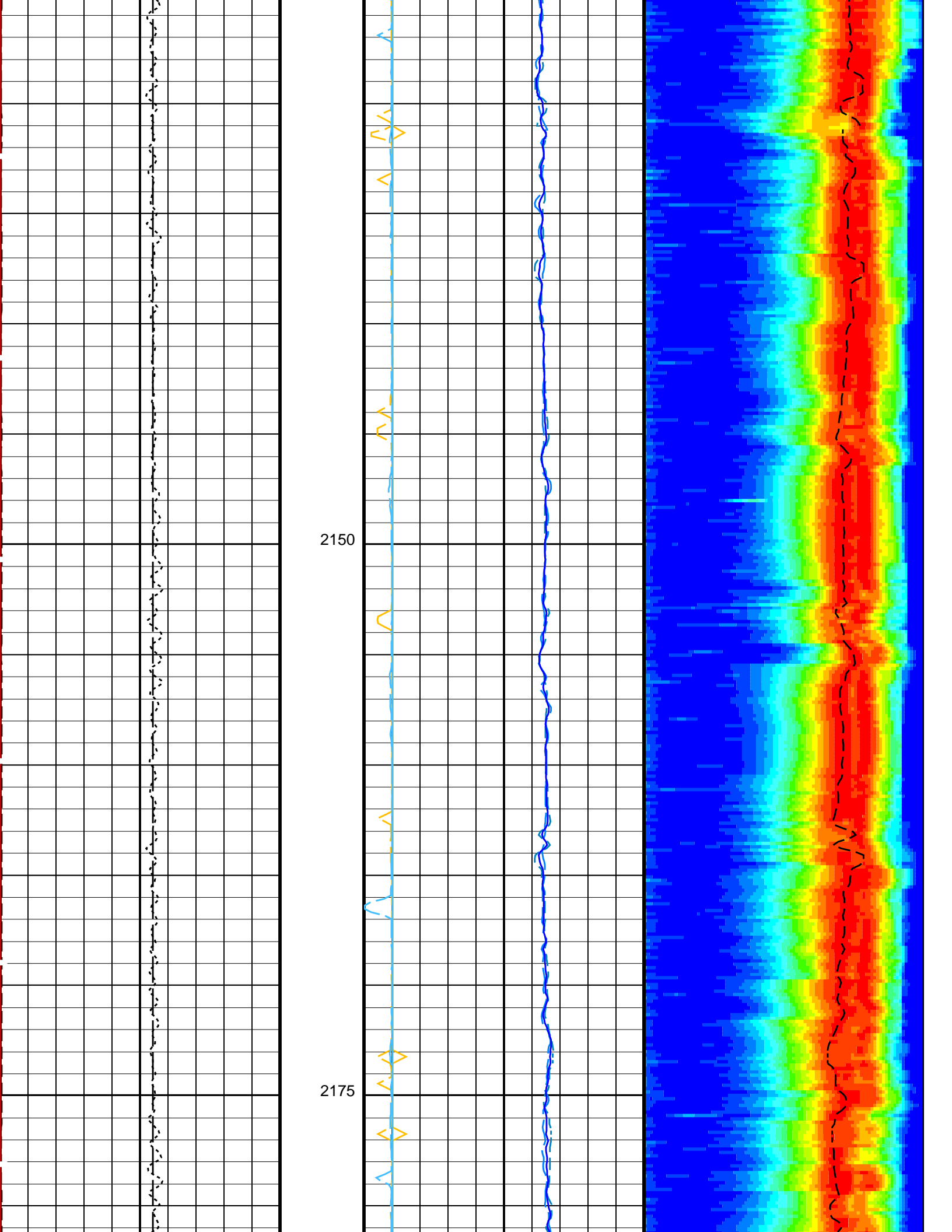


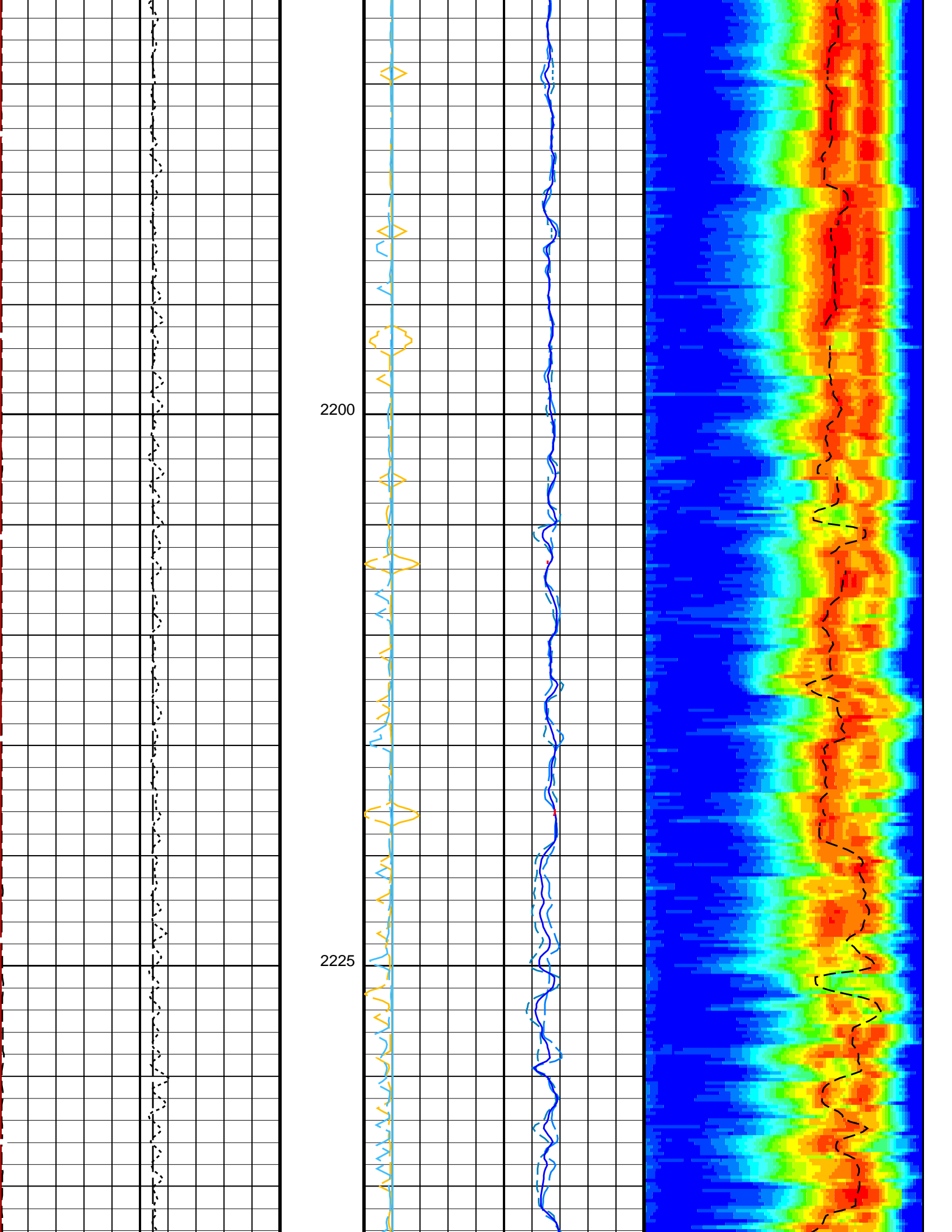
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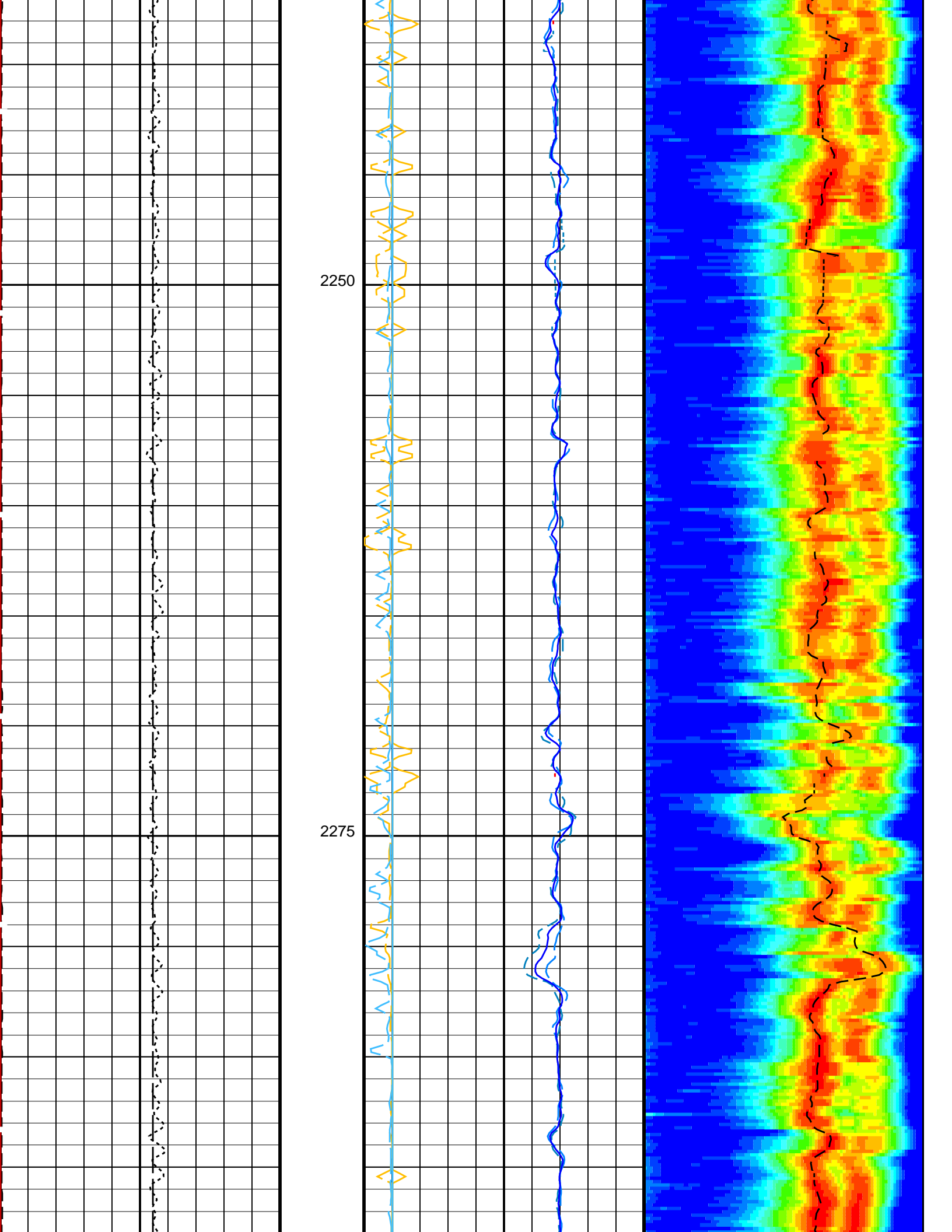
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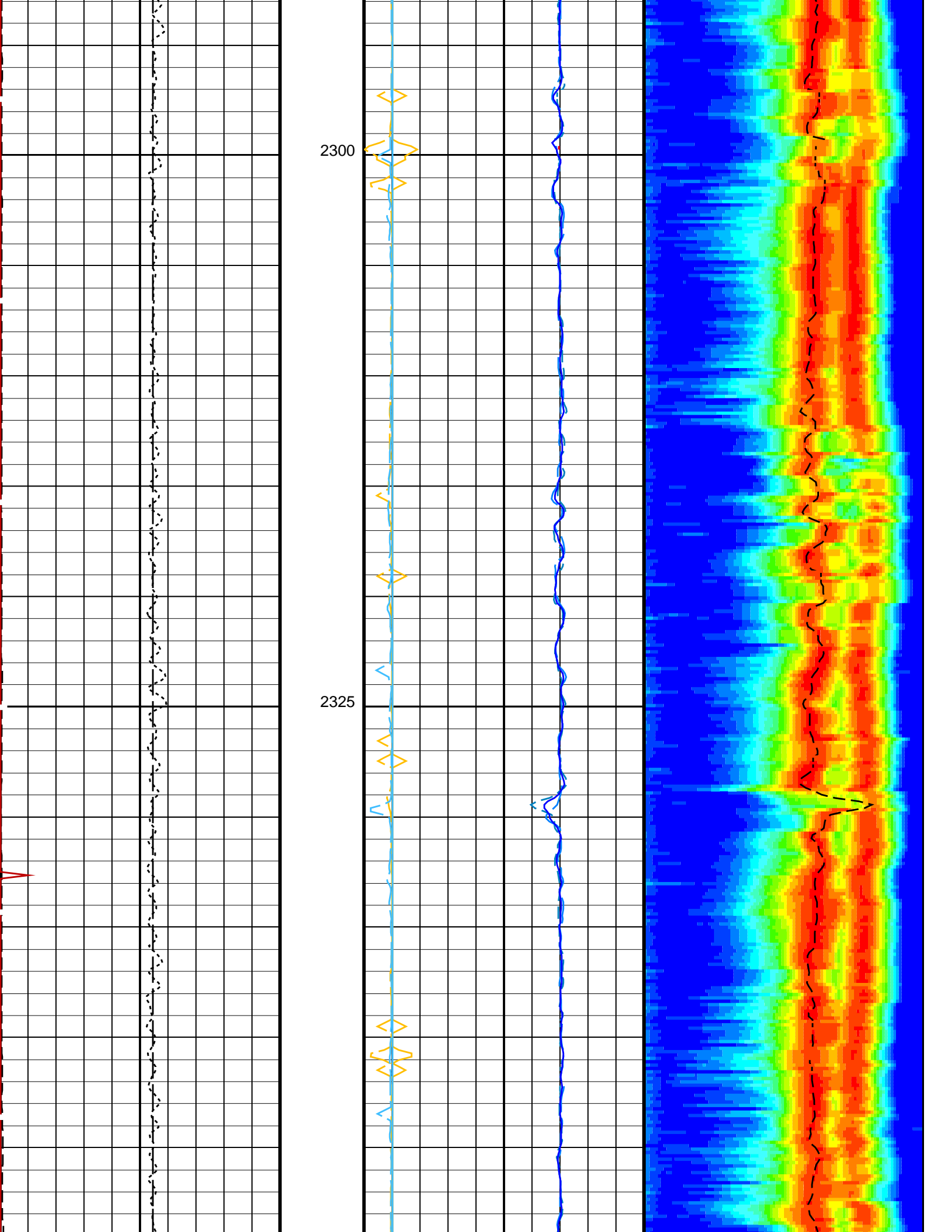




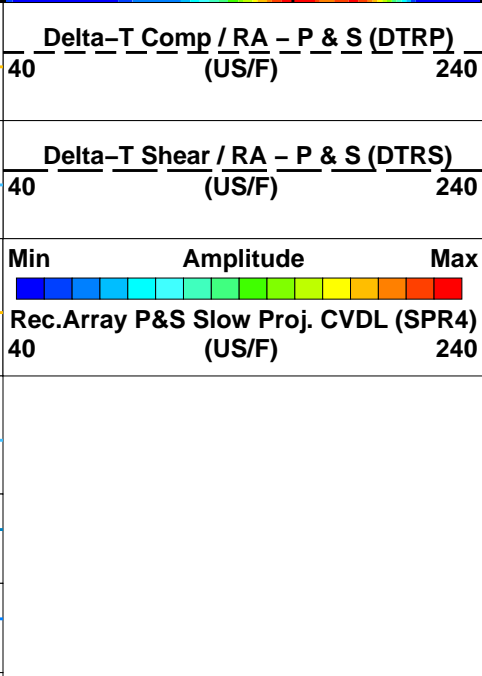
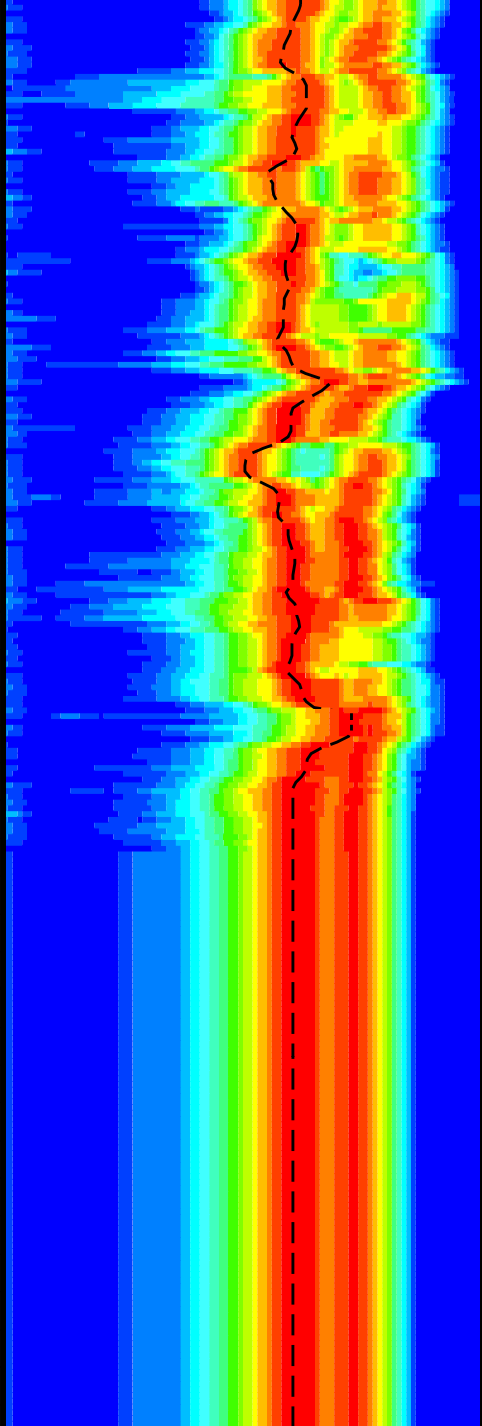
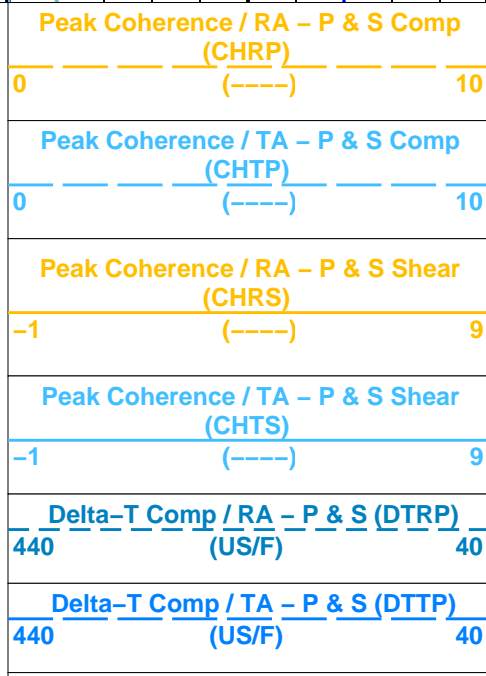
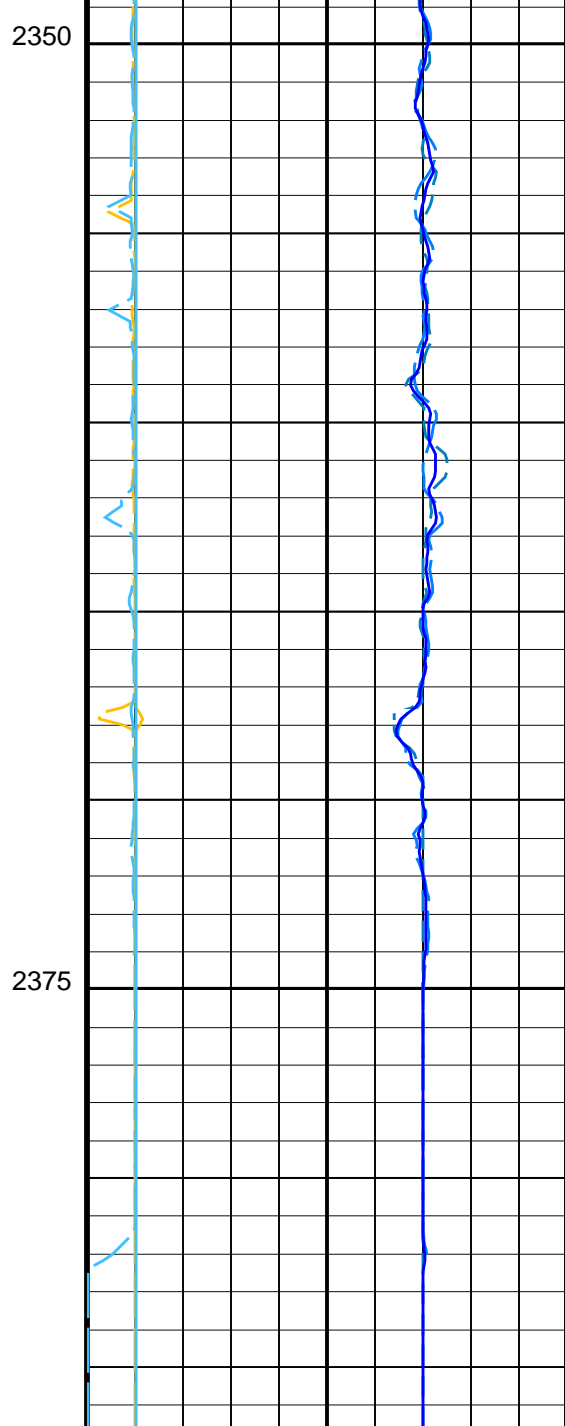
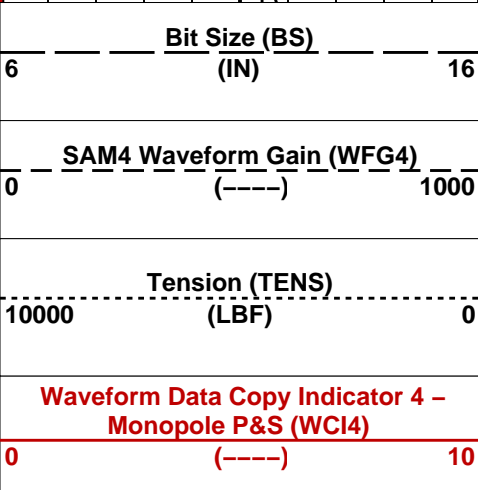
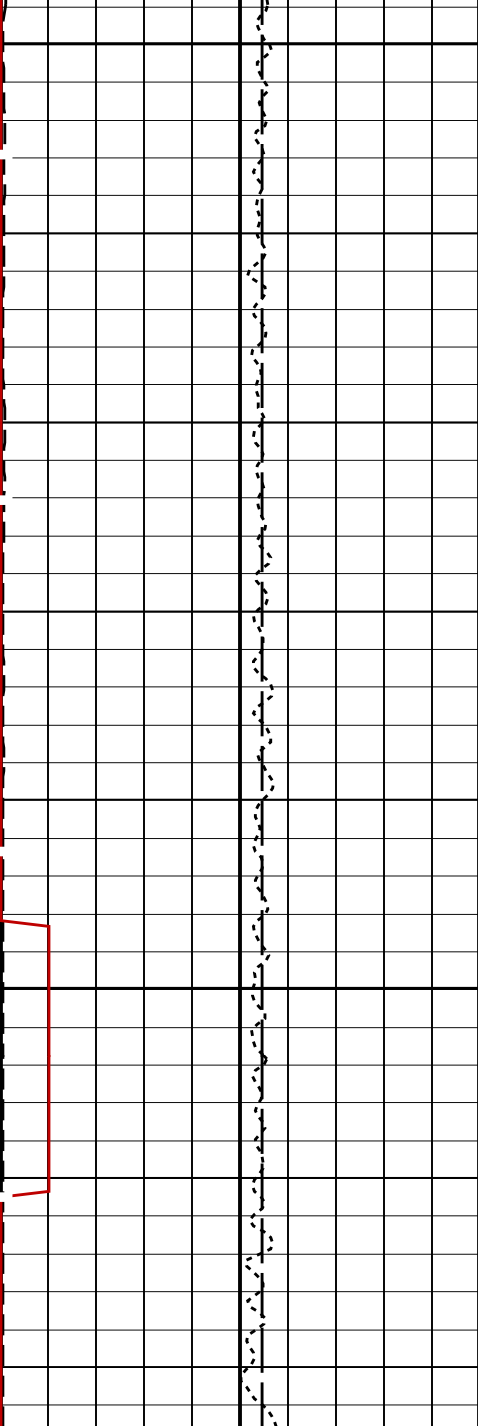












440	Delta-T Comp - P & S (DT4P) (US/F)	40
440	Delta-T Shear / RA - P & S (DTRS) (US/F)	40
440	Delta-T Shear / TA - P & S (DTTS) (US/F)	40
440	Delta-T Shear - P & S (DT4S) (US/F)	40

#### PIP SUMMARY

Time Mark Every 60 S

### Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHS	Borehole Status	OPEN	
CASF	Label Casing Function - Monopole P&S	50	
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	40	US/F
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	240	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta-T Fluid	189	US/F
DWC4	Digitizer Word Count 4	512	
DWCX	Digitizer Word Count X	512	
FILG	Label Fill Gap Control - Monopole P&S	COMP_SHEAR	
LFC	Label Formation Character - Monopole P&S	DYNAMIC	
MCS	Mean Casing Slowness	57	US/F
MTXG	Monopole Transmitter Geometry	186	IN
NWI4	Number Waveform Items 4	8	
NWIX	Number Waveform Items X	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	LFD_ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS4	STC Sonic Array Status - Monopole P&S	255	
SBO4	STC Search Band Offset - Monopole P&S	500	US
SBR4	STC Baseline Removal - Monopole P&S	ON	
SBW4	STC Search Bandwidth - Monopole P&S	2000	US
SFC4	STC Formation Character - Monopole P&S	SELECTABLE	
SFM4	STC Filter - Monopole P&S	B3-12K	
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
SSW4	STC Source Waveform - Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit - Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit - Monopole Stoneley	780	US/F
SUL4	STC Slowness Upper Limit - Monopole P&S	240	US/F
SWD4	STC Slowness Width - Monopole P&S	10	US/F
TBF4	STC Time for Baseline Fill - Monopole P&S	300	US
TLL4	STC Time Lower Limit - Monopole P&S	150	US
TST4	STC Time Step - Monopole P&S	50	US
TUL4	STC Time Upper Limit - Monopole P&S	3660	US
TWD4	STC Time Width - Monopole P&S	1000	US
TWI4	STC Integration Time Window - Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
WFM4	Waveform Mode 4	W1	
HRLT-B: High Resolution Laterolog Array - B			
BHS	Borehole Status	OPEN	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BHS	Borehole Status	OPEN	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
System and Miscellaneous			
BS	Bit Size	11.438	IN

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

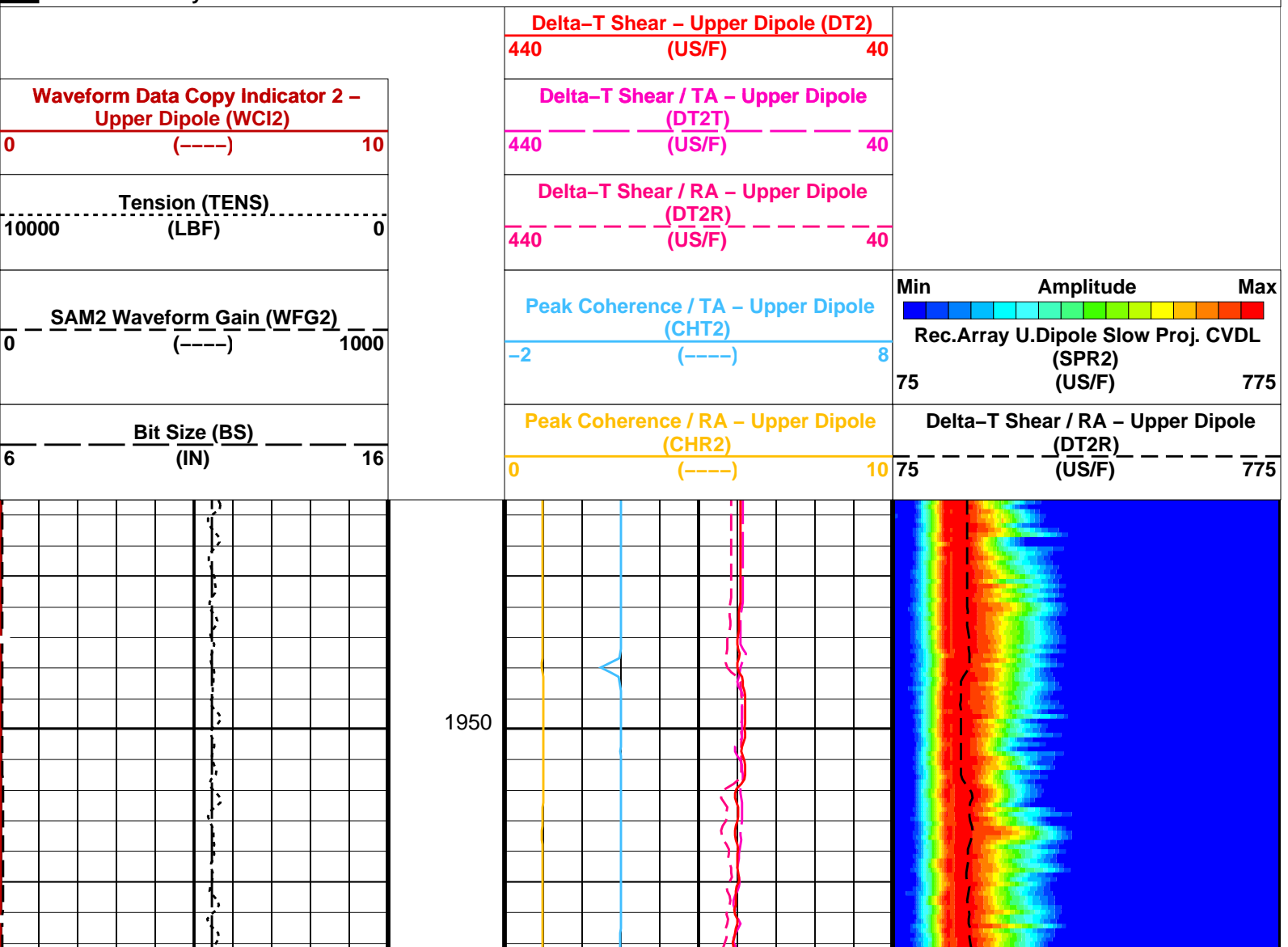
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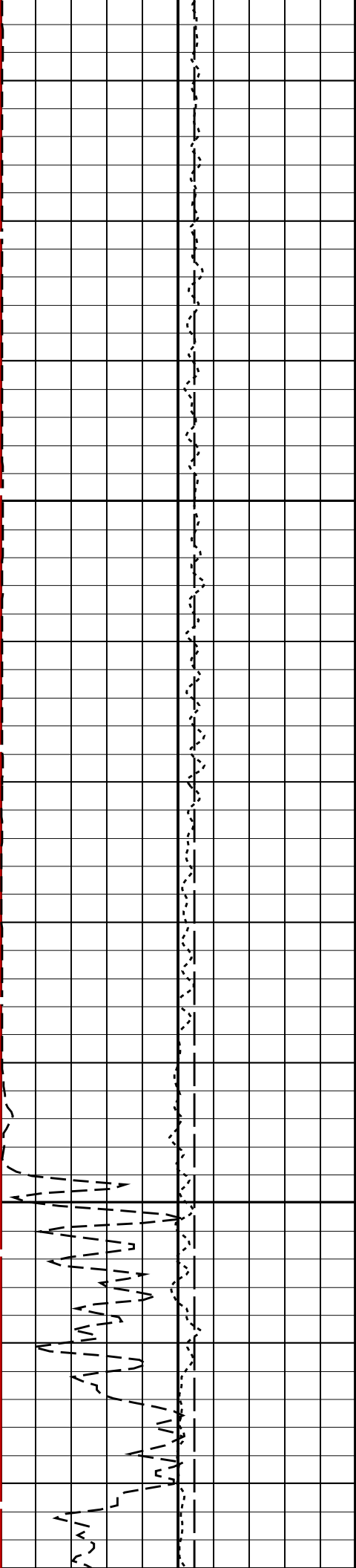
Well: Expedition 400, Site U1604B

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MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

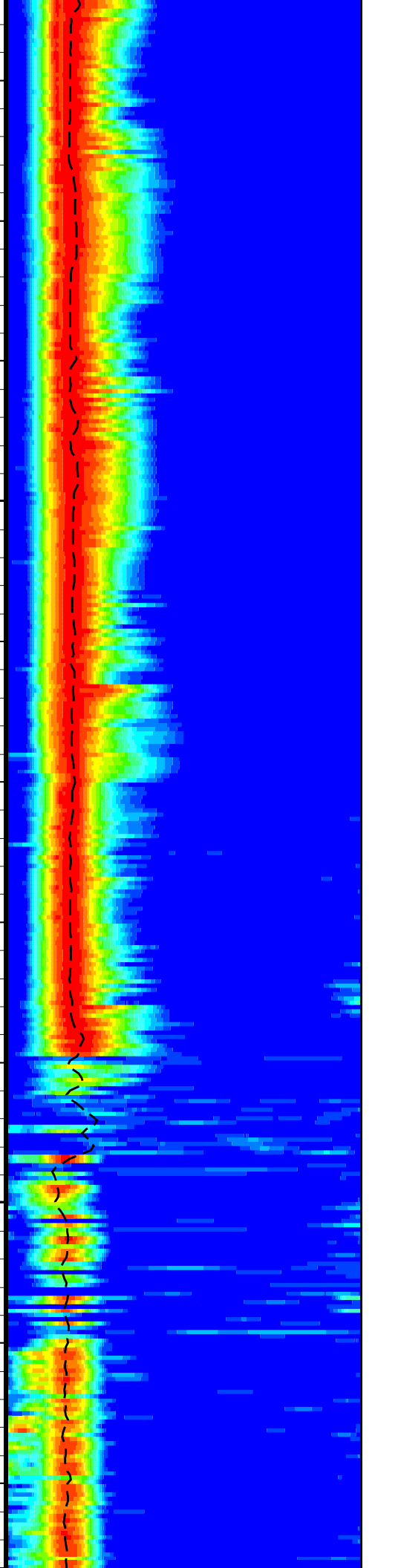
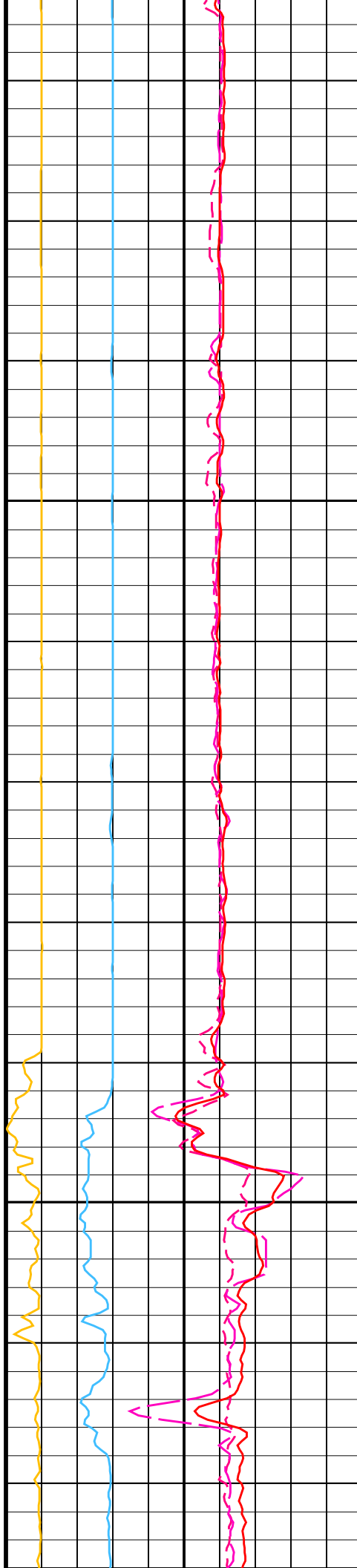
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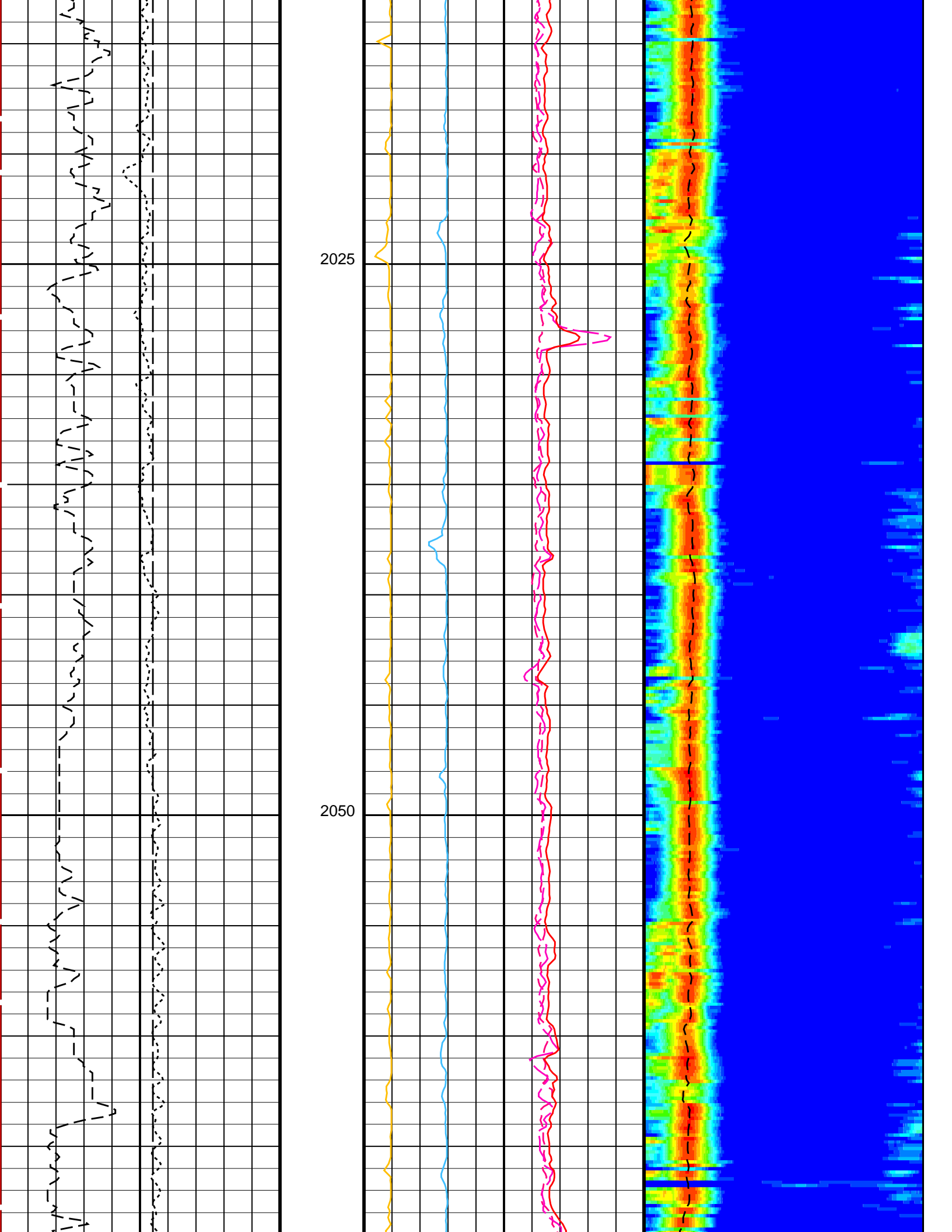


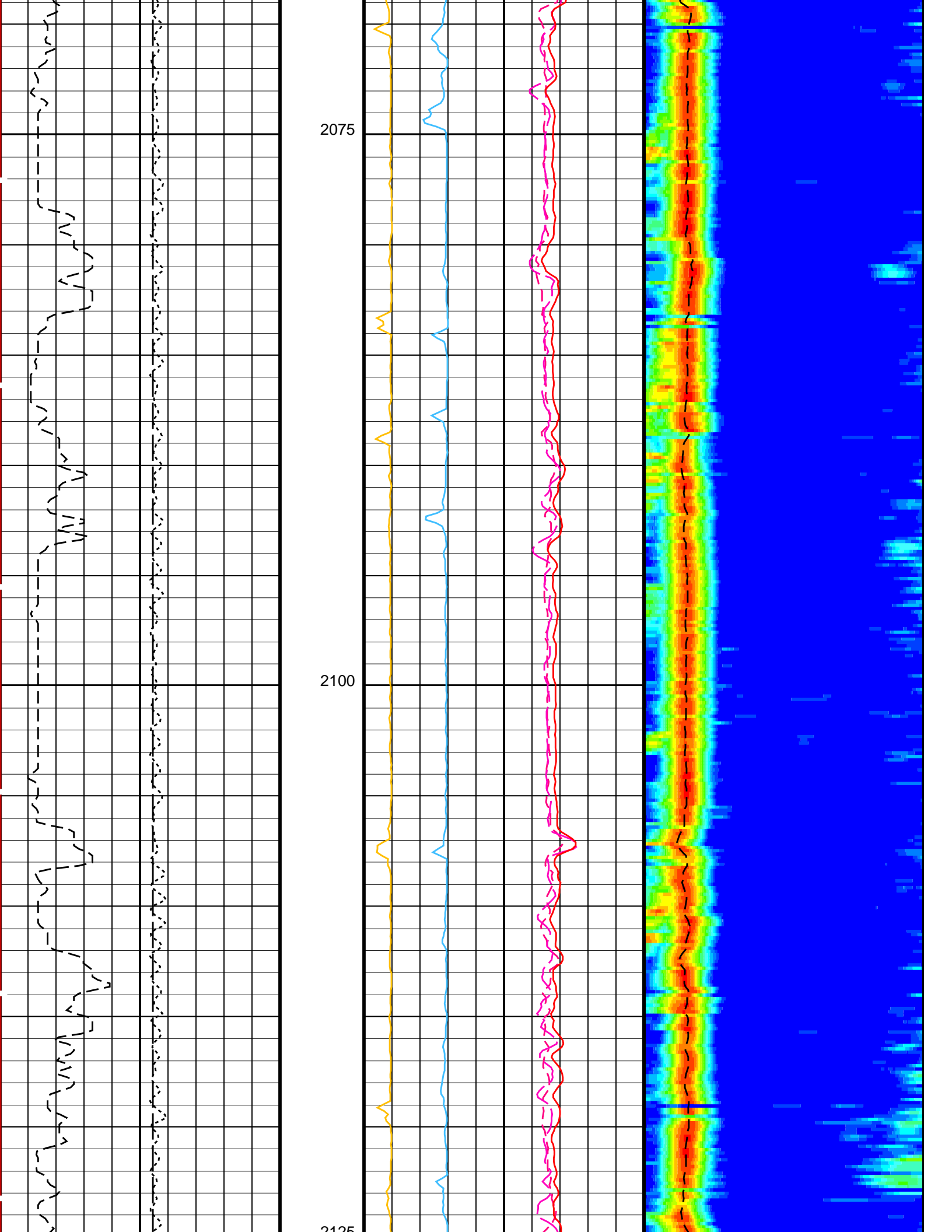


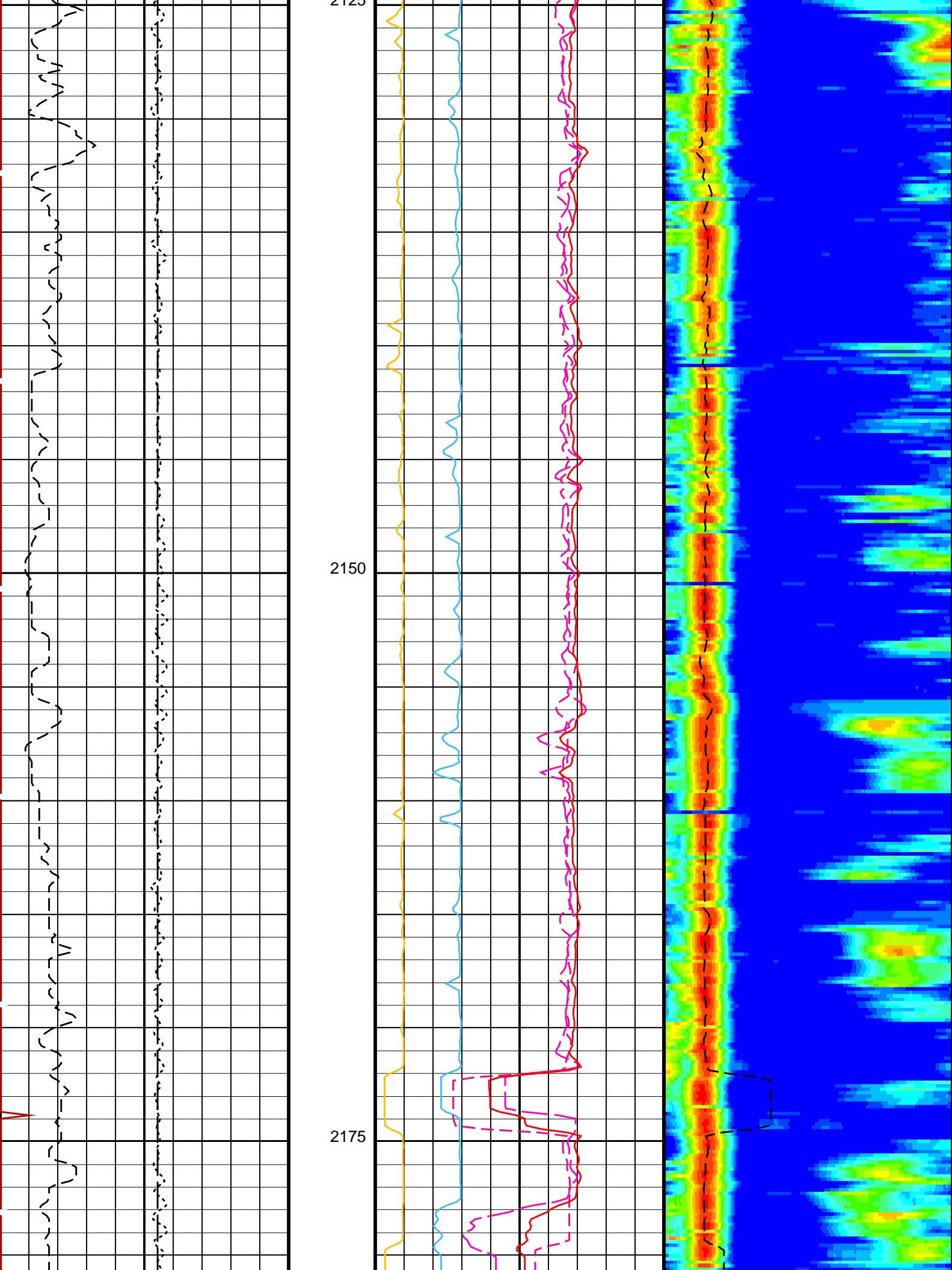
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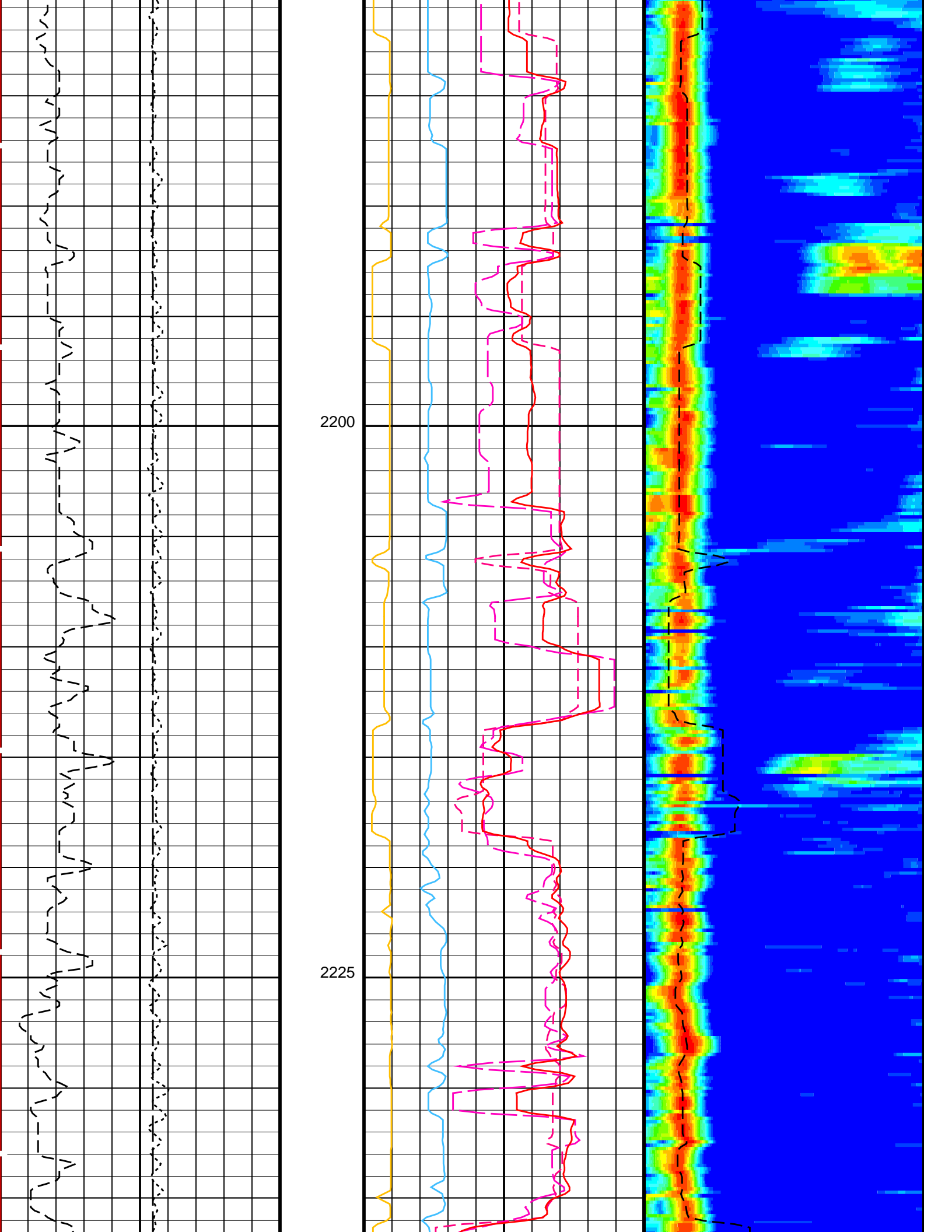
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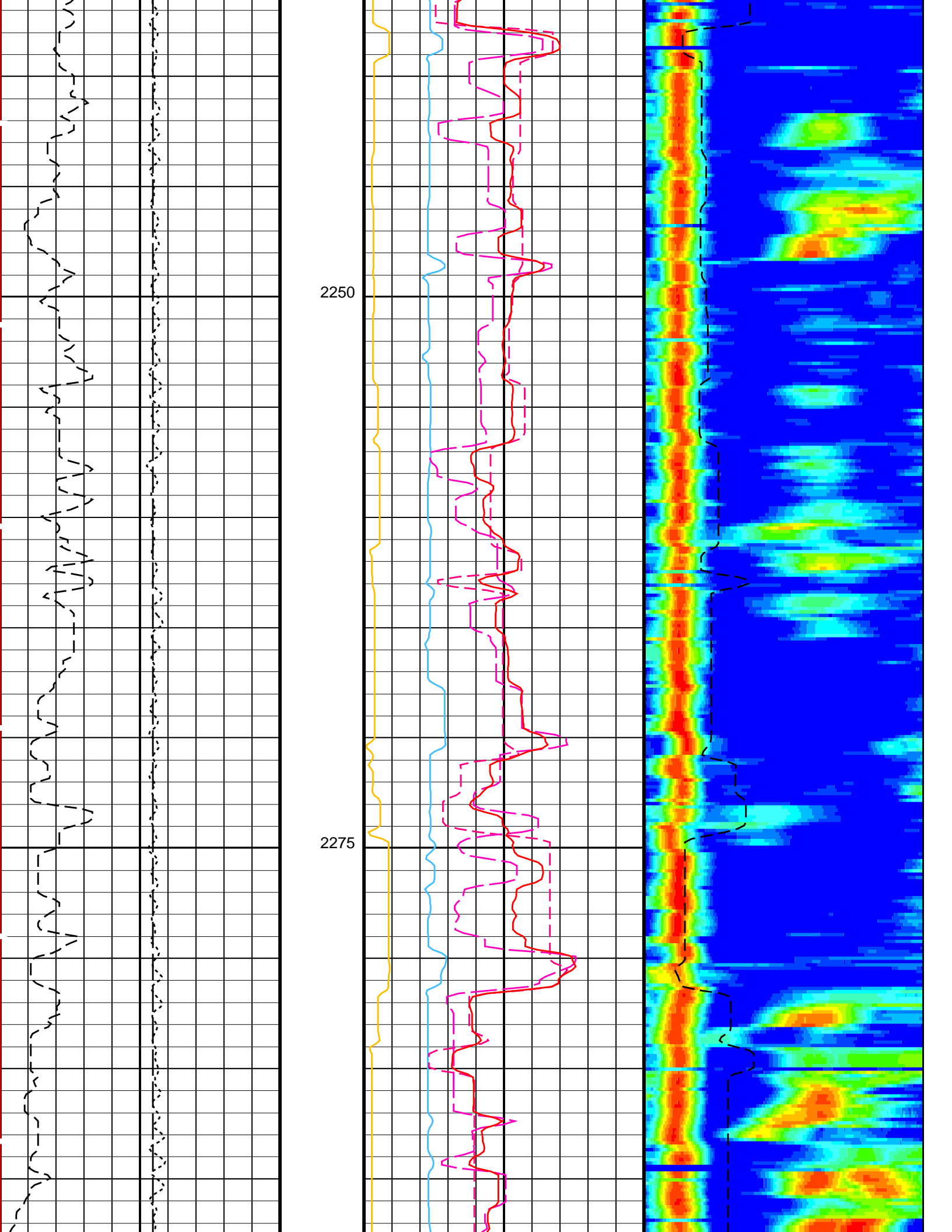


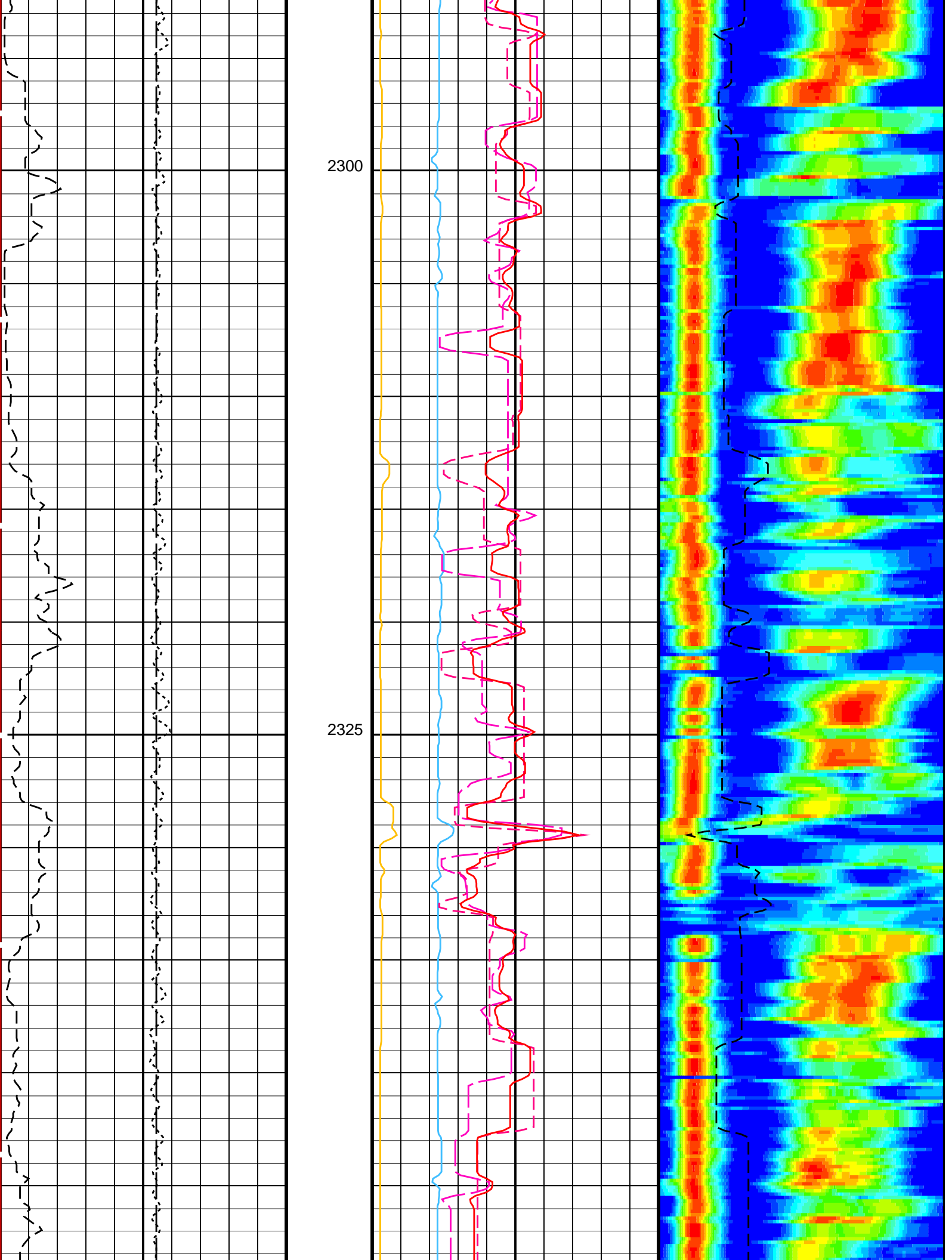


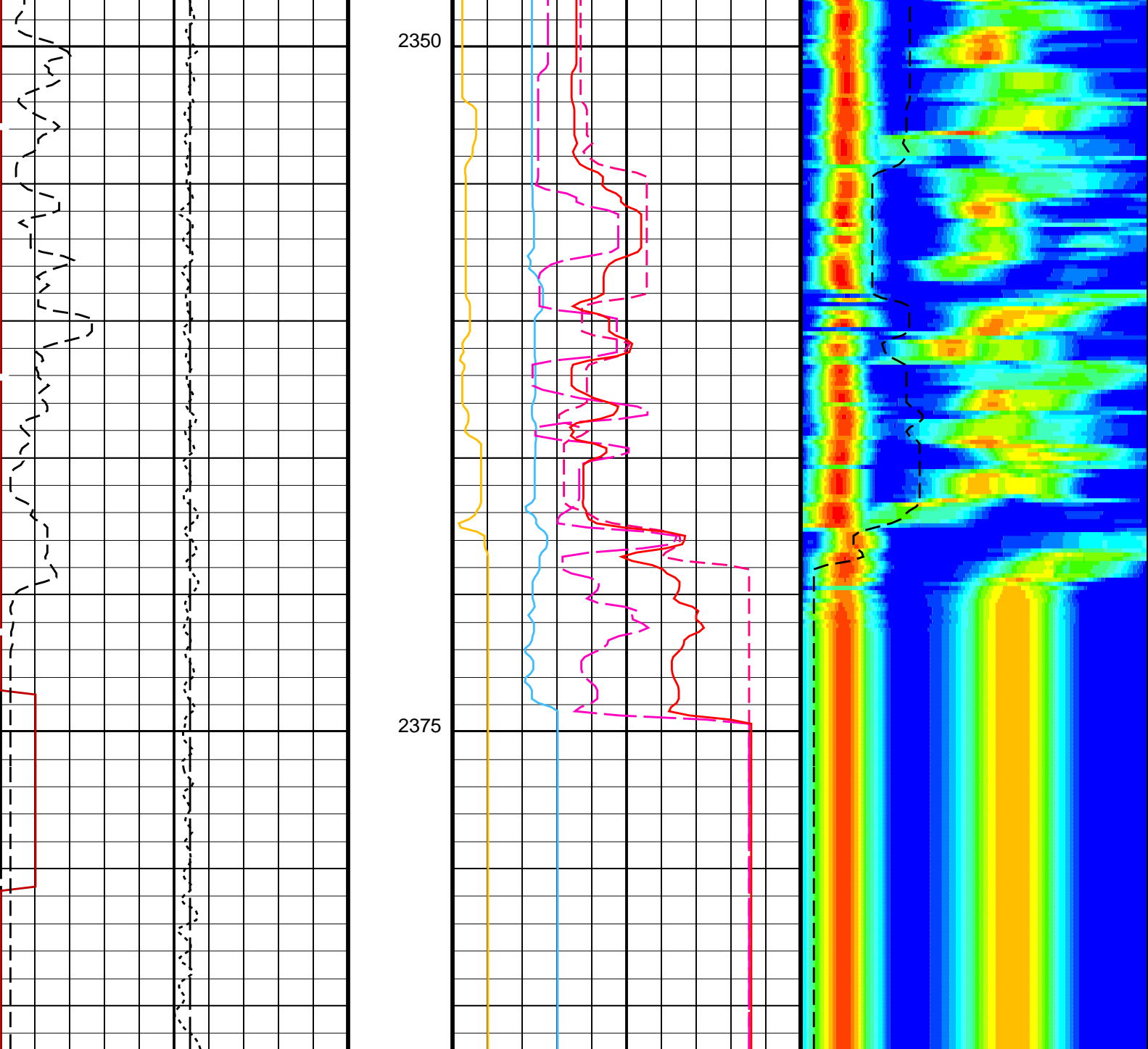












<div>Bit Size (BS) (IN)</div> <div>616</div>	<div>Peak Coherence / RA – Upper Dipole (CHR2)</div> <div>010</div> <div>(-----)</div>	<div>Delta-T Shear / RA – Upper Dipole (DT2R) (US/F)</div> <div>75775</div>
<div>SAM2 Waveform Gain (WFG2) (-----)</div> <div>01000</div>	<div>Peak Coherence / TA – Upper Dipole (CHT2)</div> <div>-28</div> <div>(-----)</div>	<div>MinAmplitudeMax</div> <div>Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F)</div> <div>75775</div>
<div>Tension (TENS) (LBF)</div> <div>100000</div>	<div>Delta-T Shear / RA – Upper Dipole (DT2R) (US/F)</div> <div>44040</div> <div>(-----)</div>	
<div>Waveform Data Copy Indicator 2 – Upper Dipole (WC12)</div> <div>010</div> <div>(-----)</div>	<div>Delta-T Shear / TA – Upper Dipole (DT2T) (US/F)</div> <div>44040</div> <div>(-----)</div>	
	<div>Delta-T Shear – Upper Dipole (DT2) (US/F)</div> <div>44040</div> <div>(-----)</div>	

## Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	350	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
NWI2	Number Waveform Items 2	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status – Upper Dipole	255	
SBO2	STC Search Band Offset – Upper Dipole	3000	US
SBW2	STC Search Bandwidth – Upper Dipole	8000	US
SFC2	STC Formation Character – Upper Dipole	SELECTABLE	
SFM2	STC Filter – Upper Dipole	B1–3K	
SLL2	STC Slowness Lower Limit – Upper Dipole	75	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	775	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	15525	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
WFM2	Waveform Mode 2	W1	
System and Miscellaneous			
BS	Bit Size	11.438	IN

Format: DSST\_UPPER\_DIPOLE\_VDL\_COLOR    Vertical Scale: 1:200    Graphics File Created: 09-Sep-2023 03:36

## OP System Version: 19C0–187

MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

## Output DLIS Files

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Company: International Ocean Discovery Program    Well: Expedition 400, Site U1604B

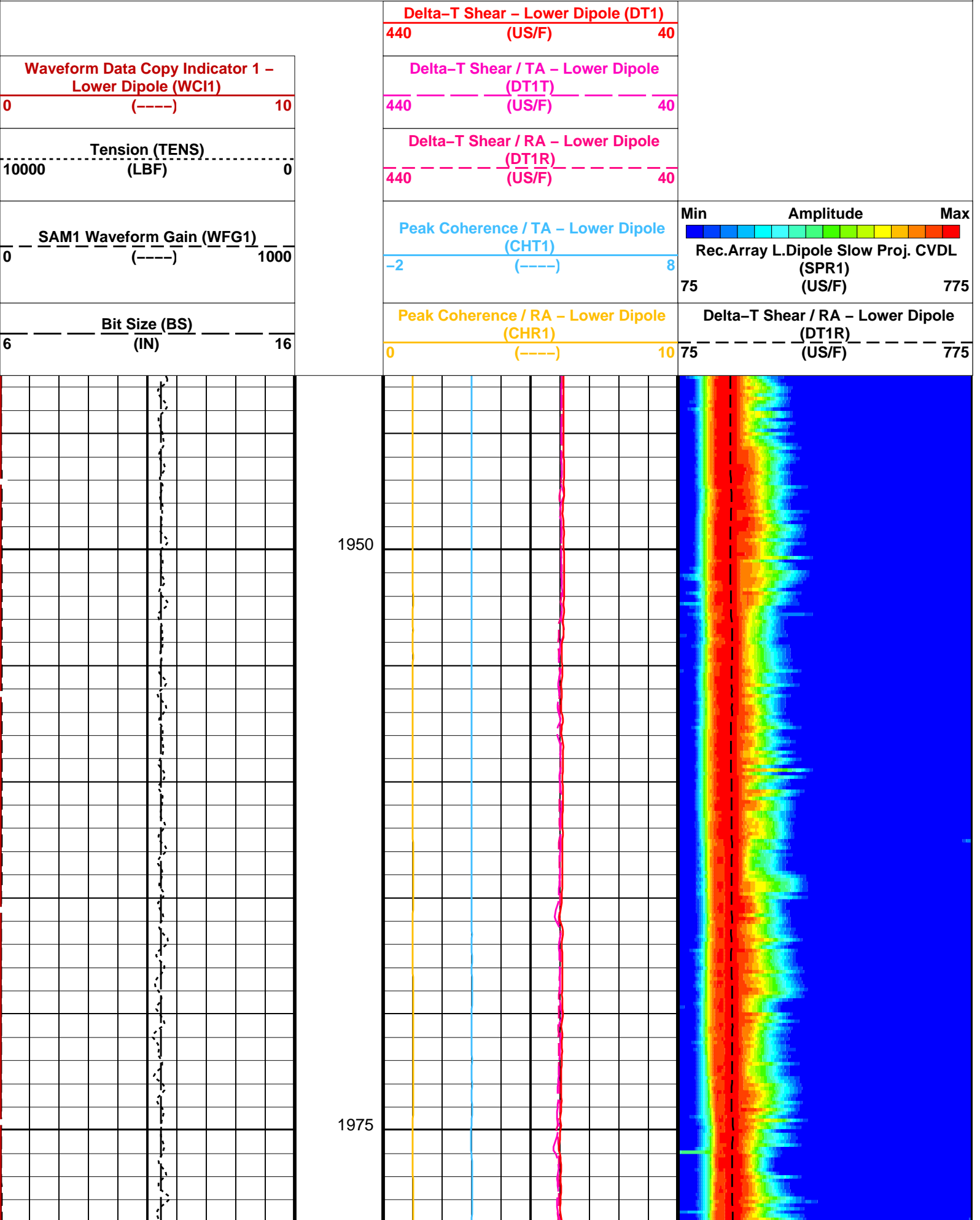
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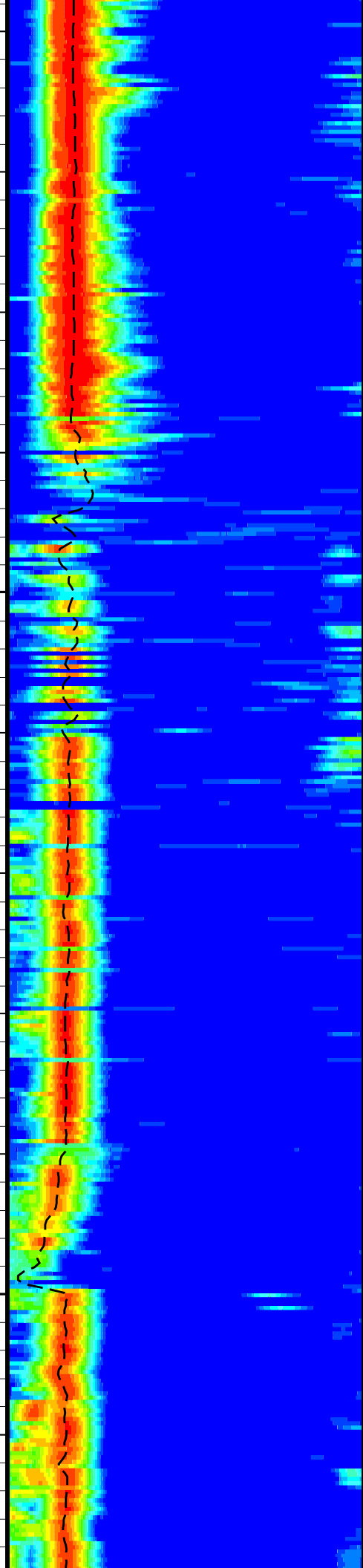
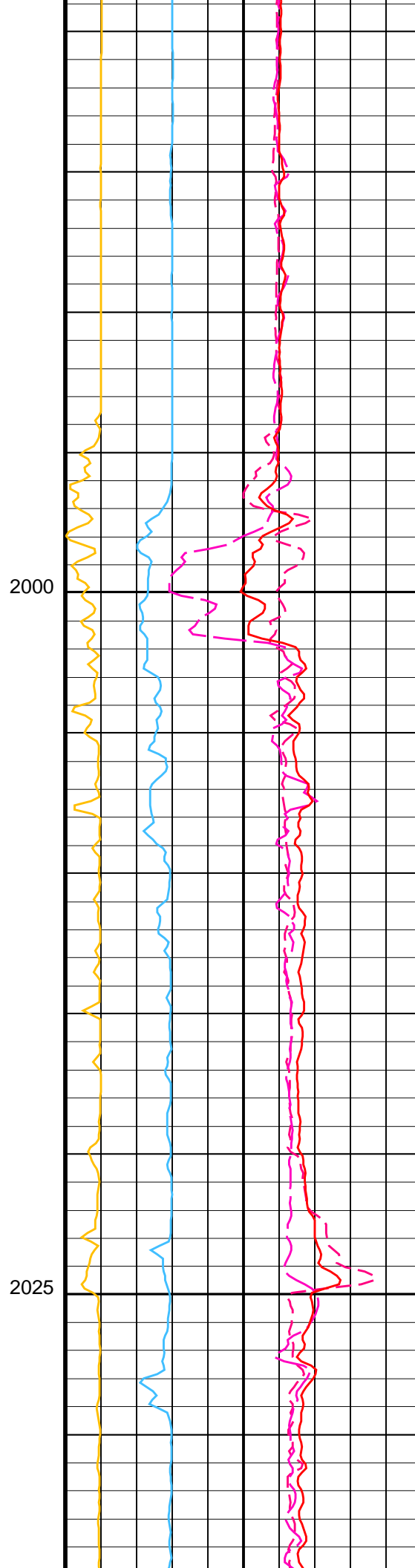
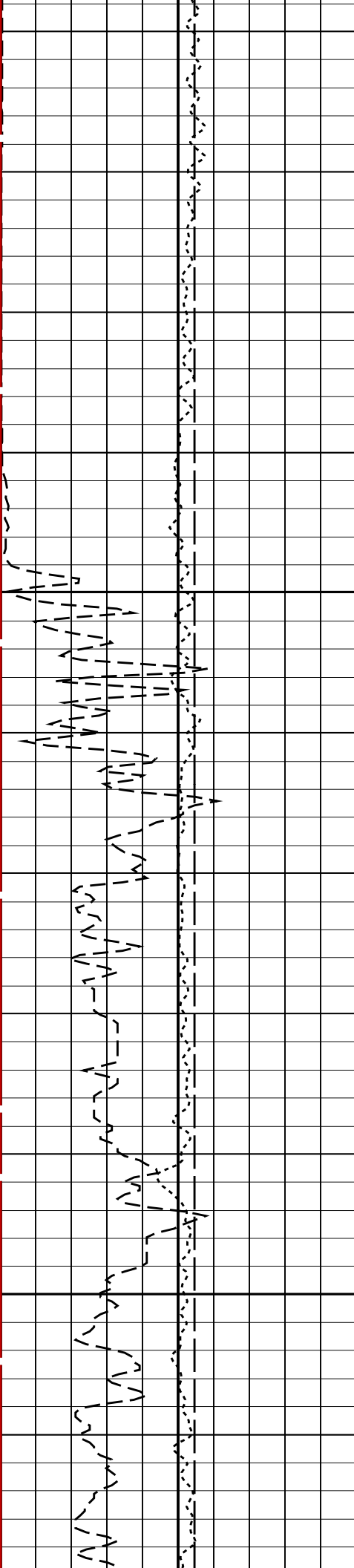
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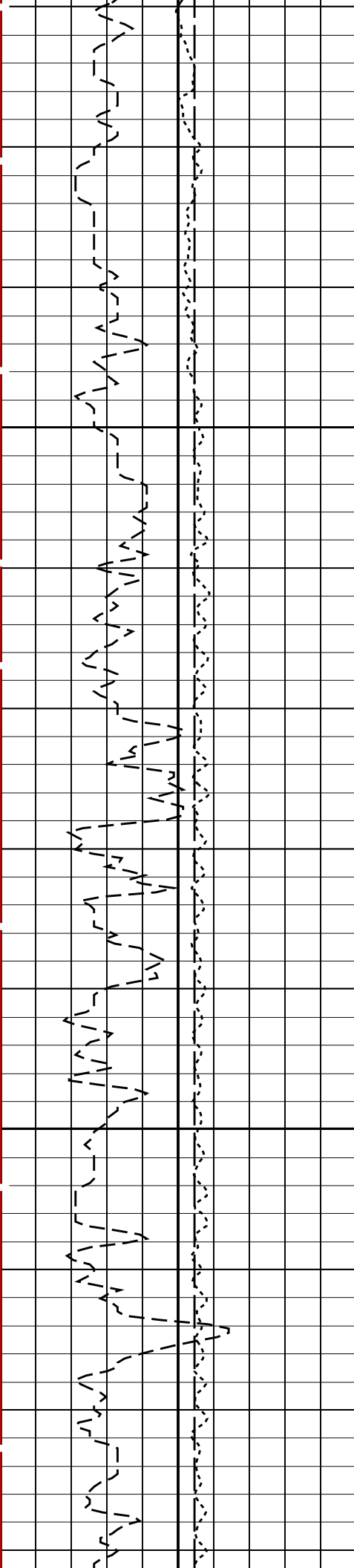
## OP System Version: 19C0–187

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LDSC–B	19C0–187	HNGC–B	19C0–187

 Time Mark Every 60 S

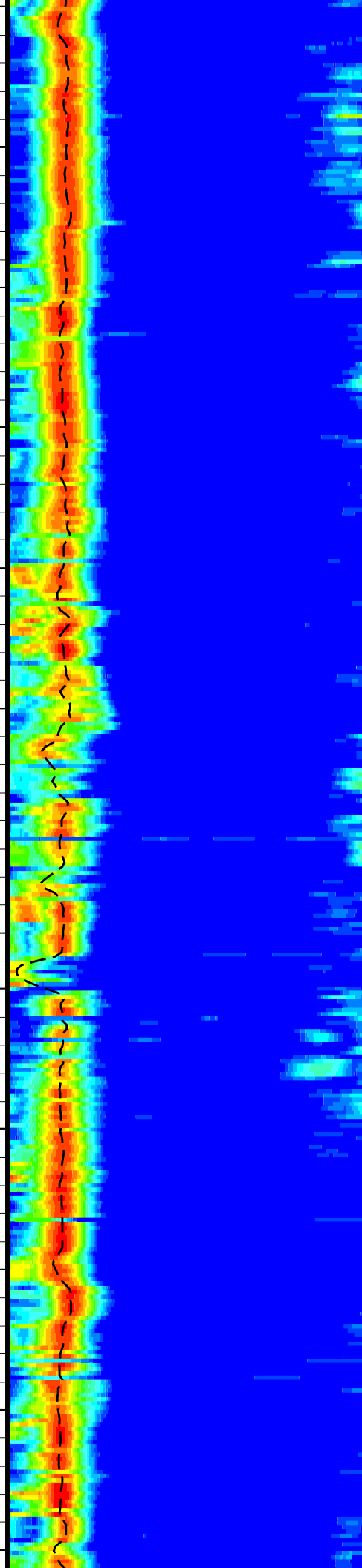
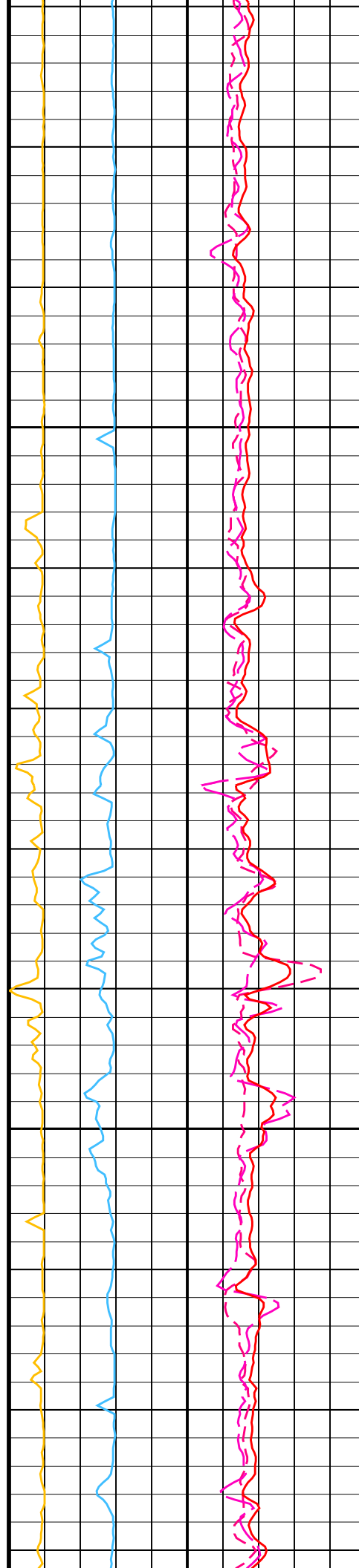


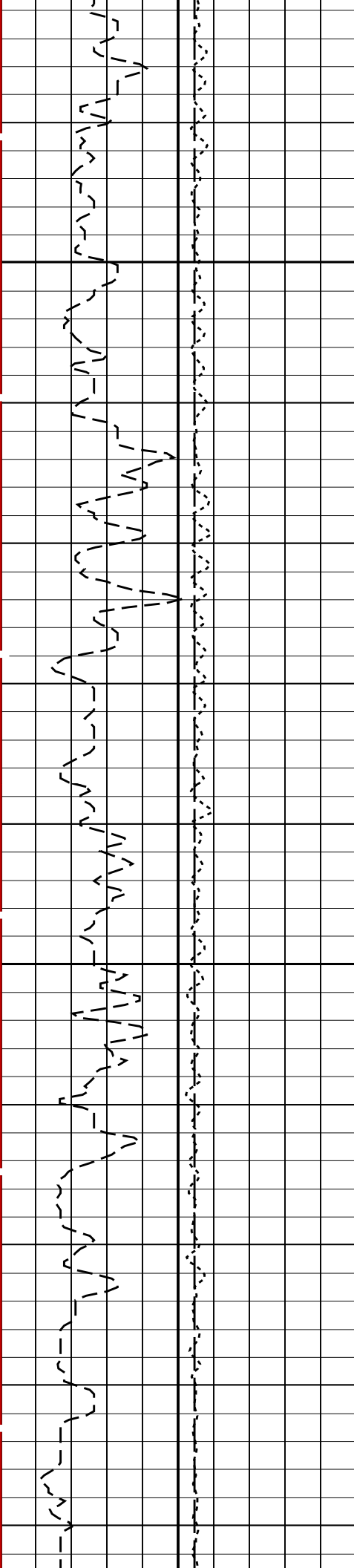




2050

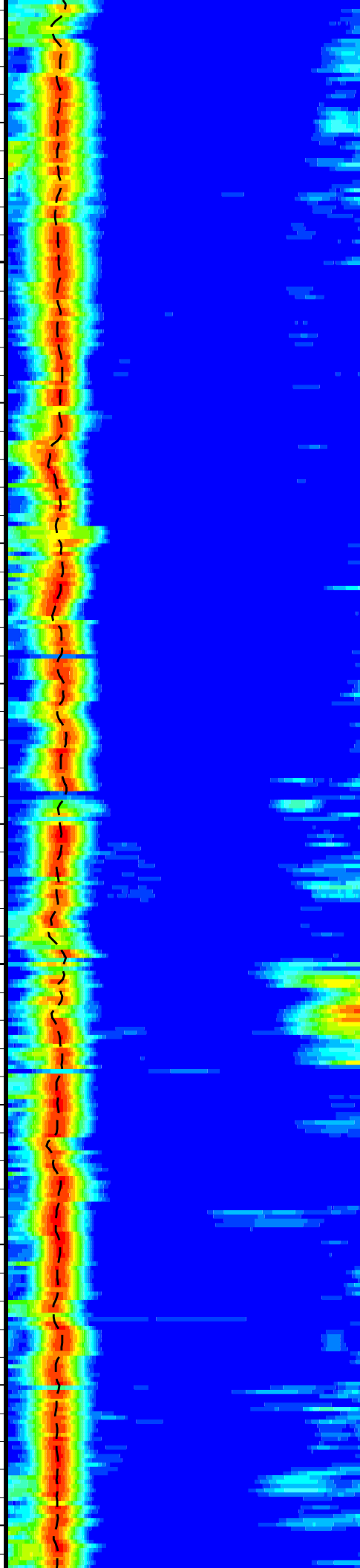
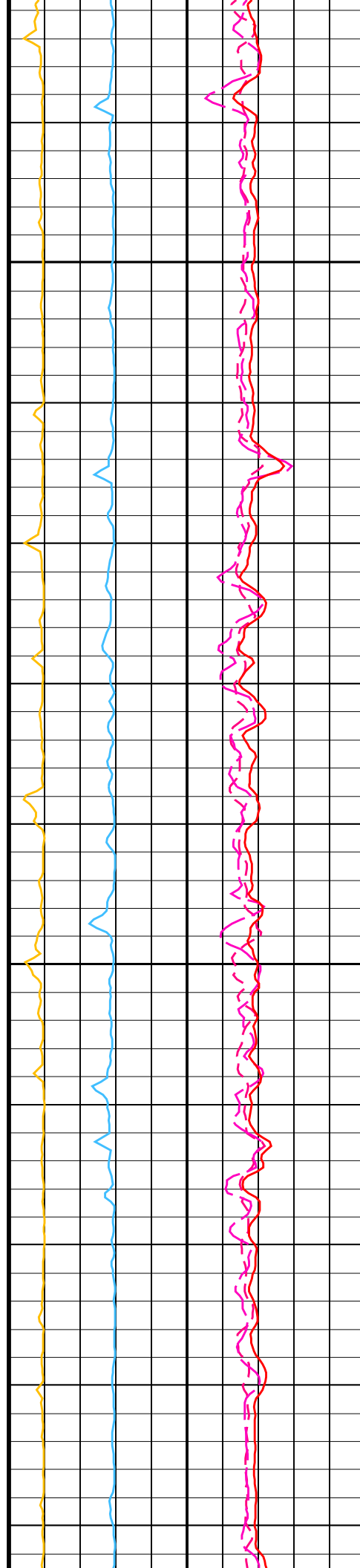
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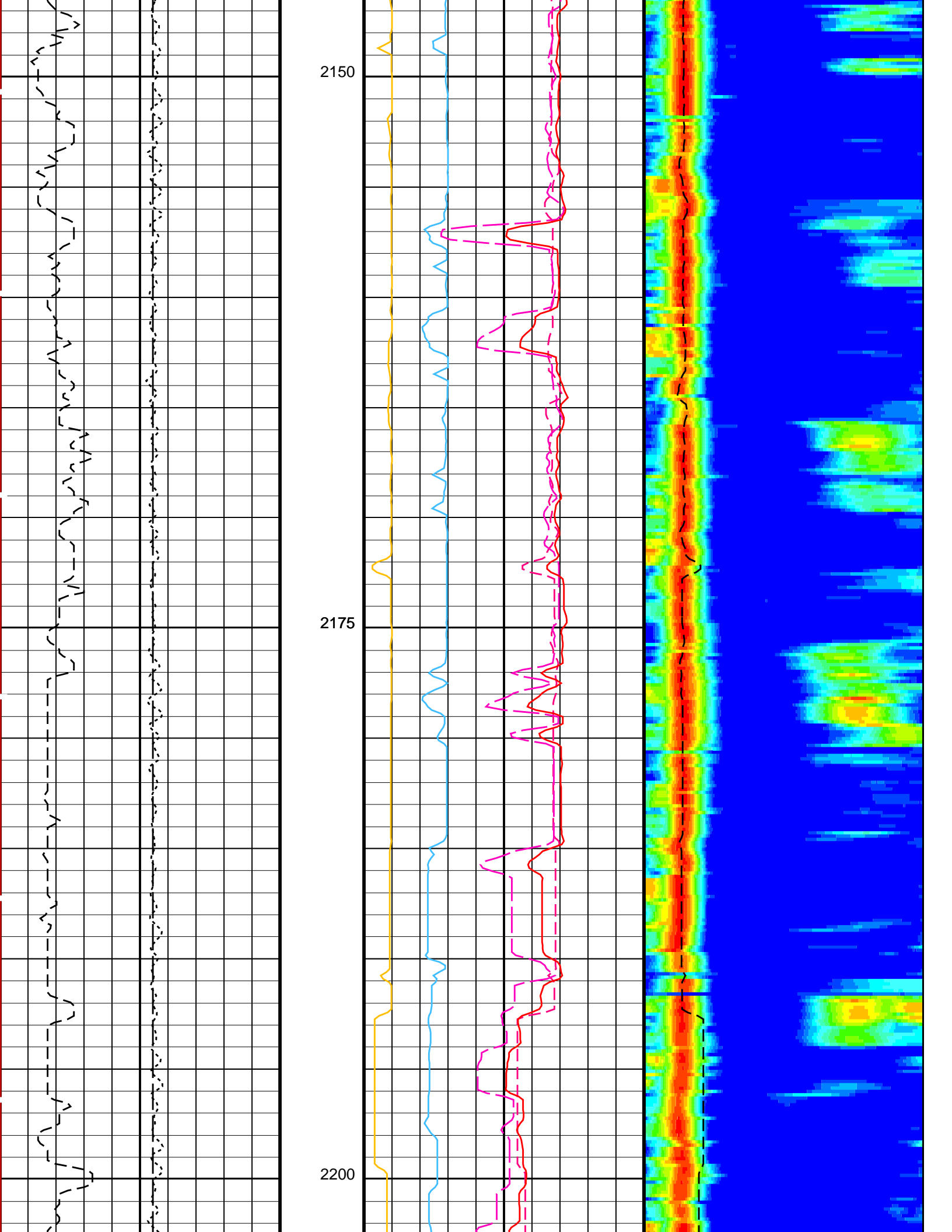


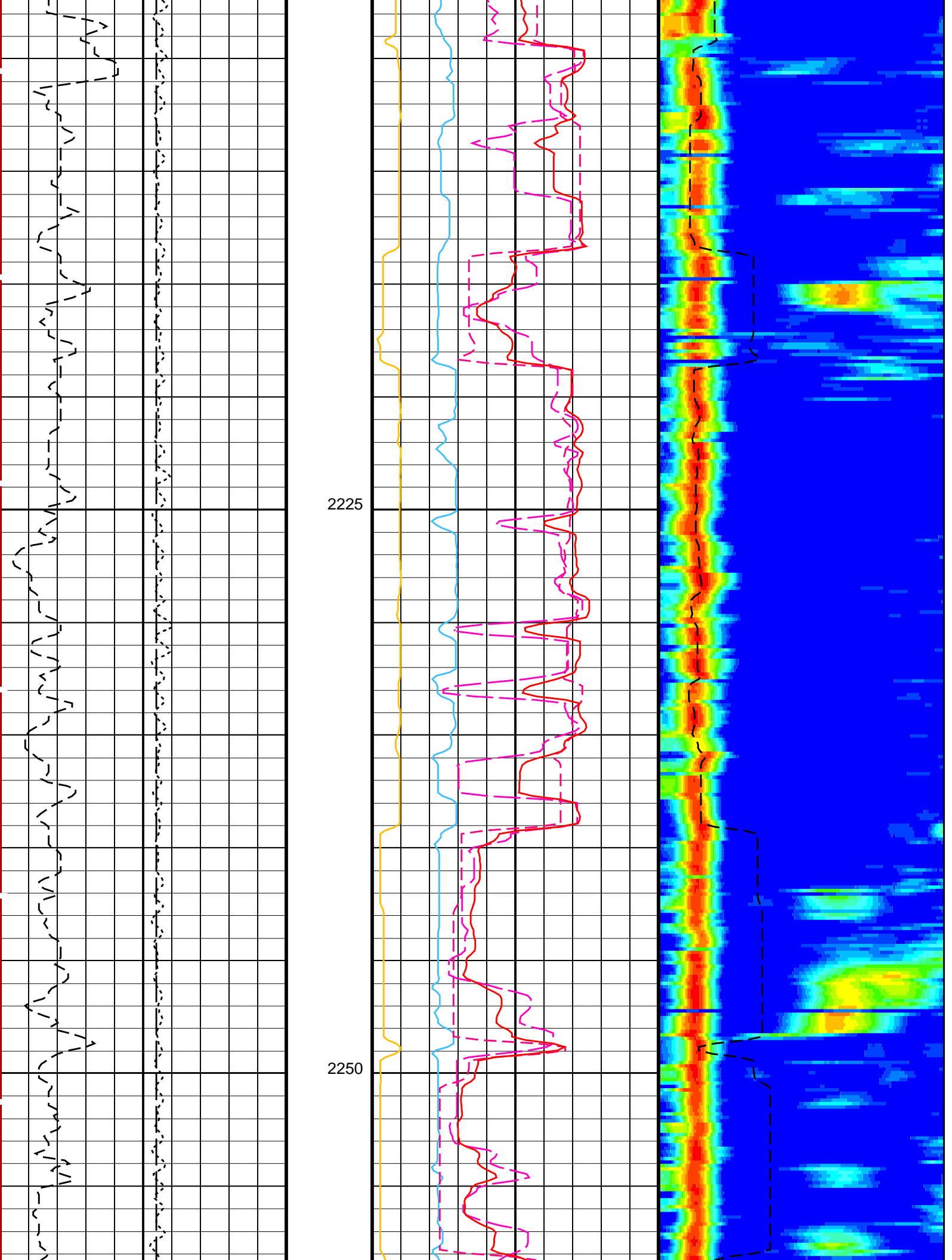
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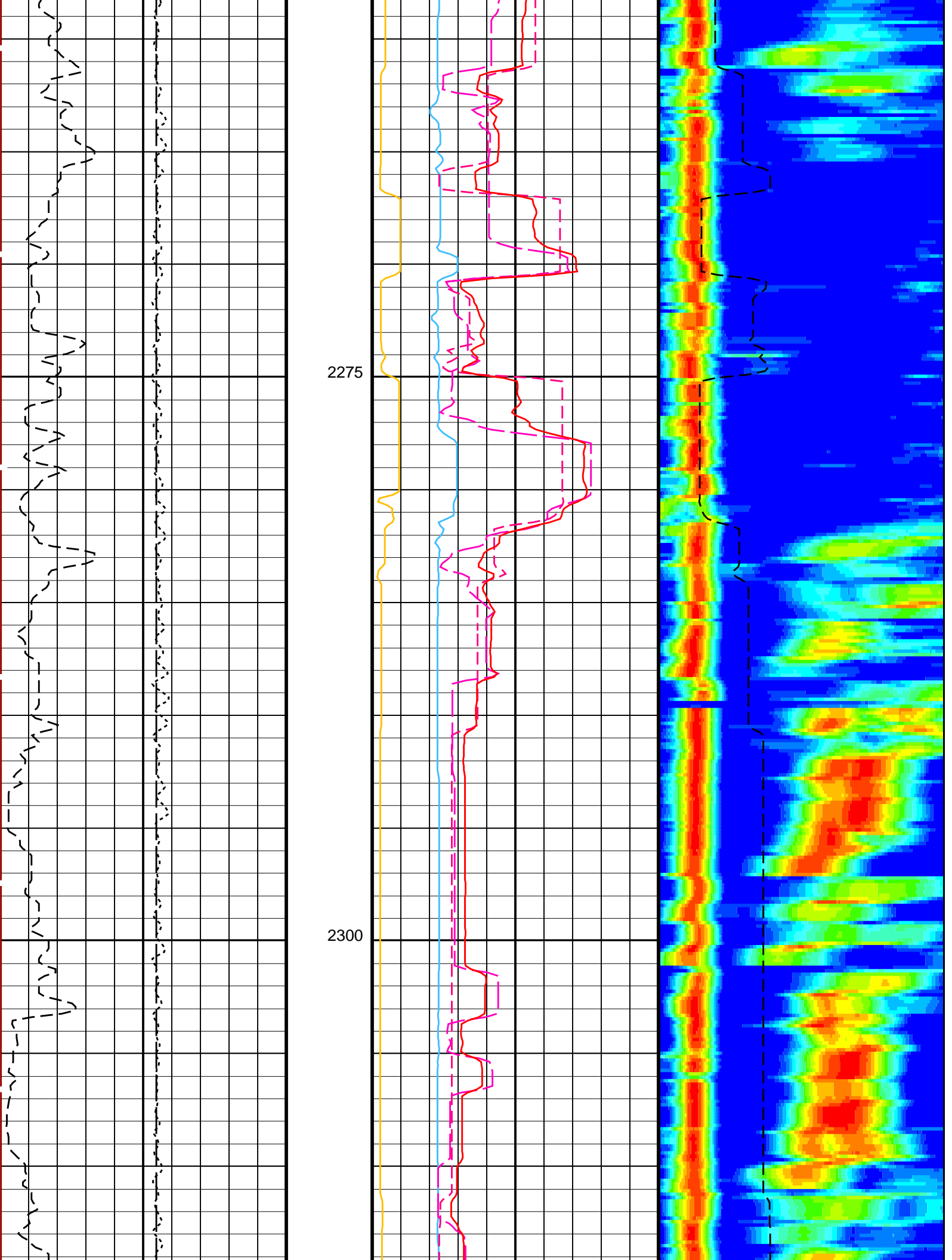
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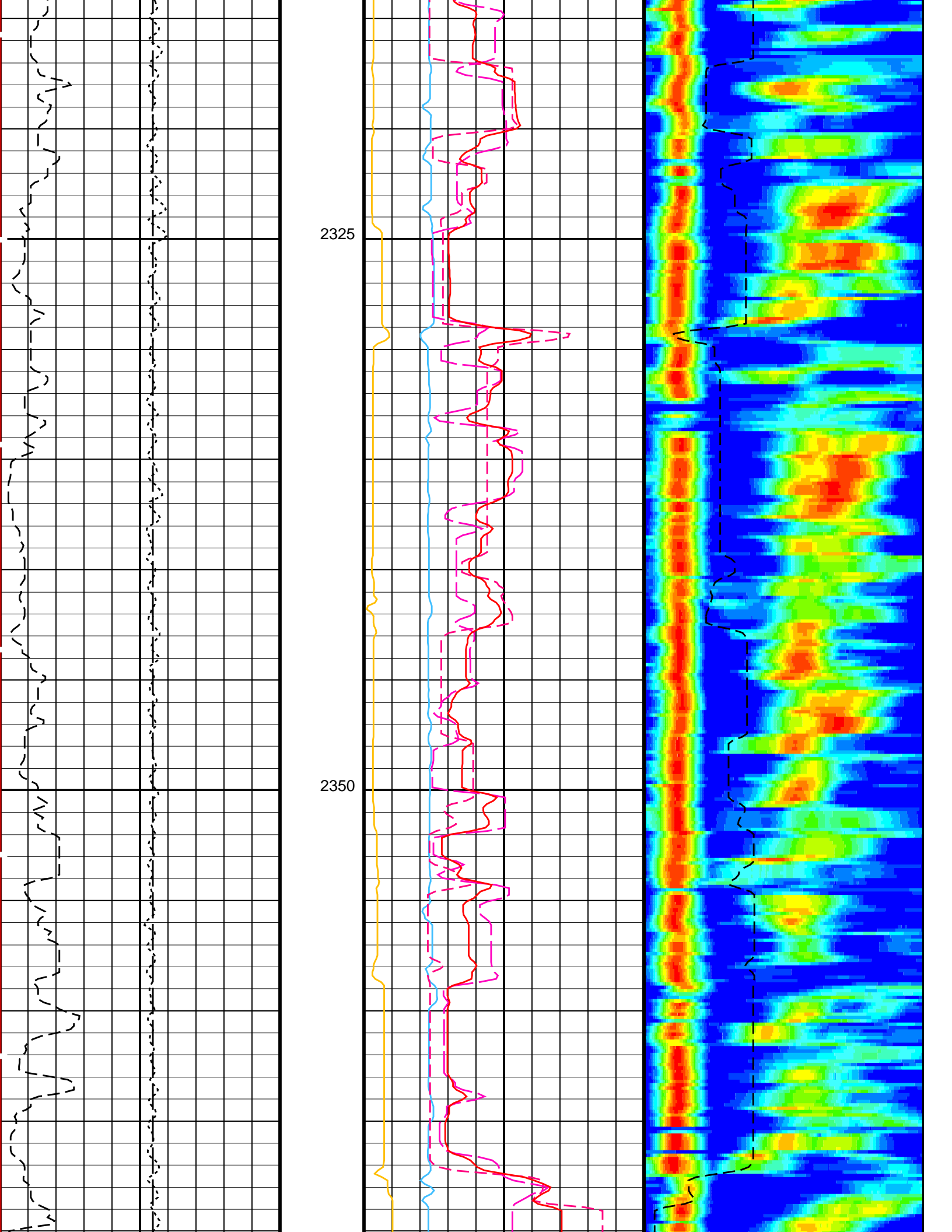


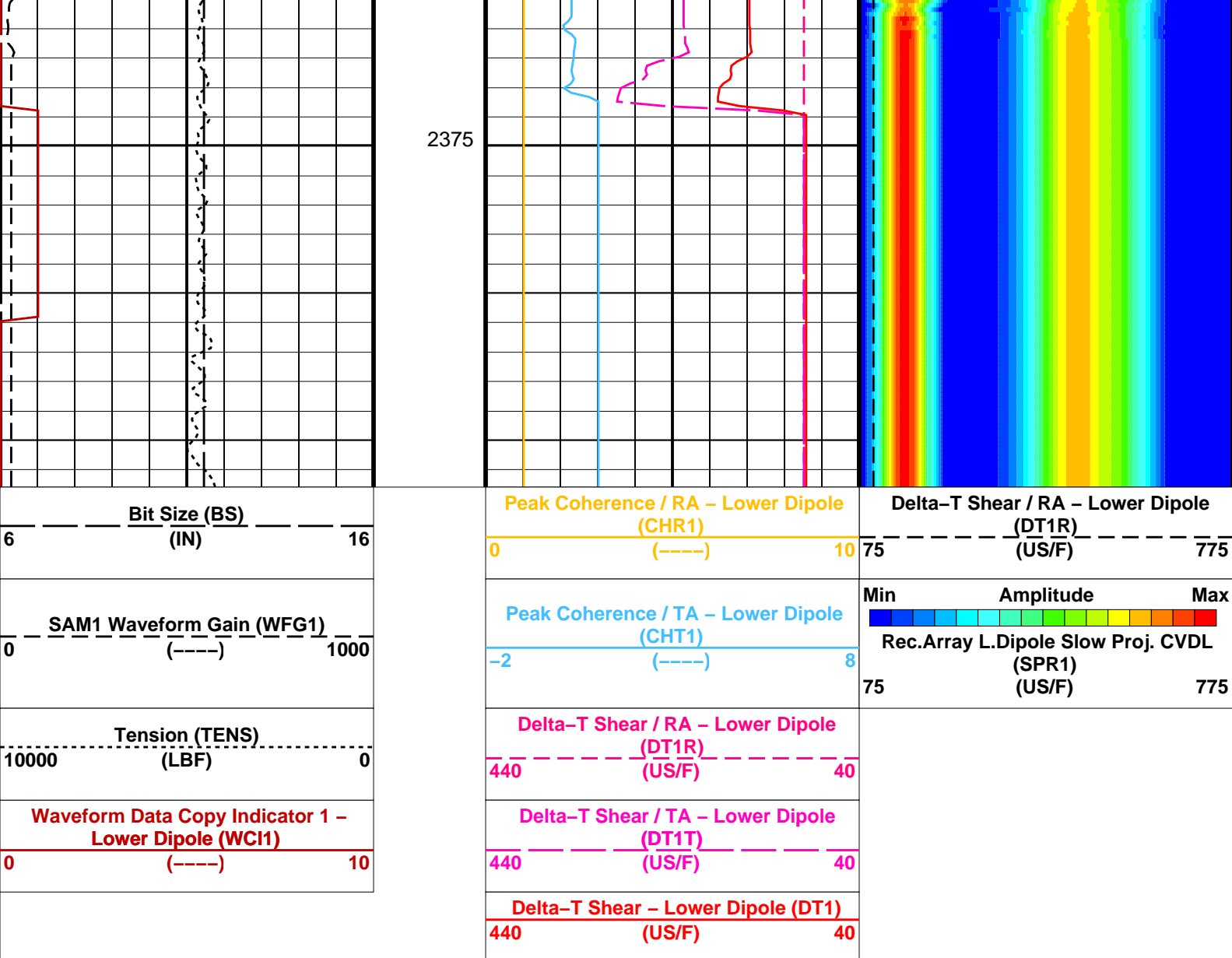












PIP SUMMARY

☒ Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DLCS	Label Compressional Source – Dipole Shear	USE	
DSHL	Label Slowness Lower Limit – Dipole Shear	75	US/F
DSHU	Label Slowness Upper Limit – Dipole Shear	350	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NW11	Number Waveform Items 1	8	
NW1X	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status – Lower Dipole	255	
SPR1	STC Search Range Offset – Lower Dipole	2888	US

SB01	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	B1–3K	
SLL1	STC Slowness Lower Limit – Lower Dipole	75	US/F
SST1	STC Slowness Step – Lower Dipole	4	US/F
SSW1	STC Source Waveform – Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit – Lower Dipole	775	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	15912.5	US
TWD1	STC Time Width – Lower Dipole	2000	US
TWI1	STC Integration Time Window – Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM1	Waveform Mode 1	W1	
System and Miscellaneous			
BS	Bit Size	11.438	IN

Format: DSST\_LOWER\_DIPOLE\_VDL\_COLOR      Vertical Scale: 1:200      Graphics File Created: 09-Sep-2023 03:36

OP System Version: 19C0–187			
MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

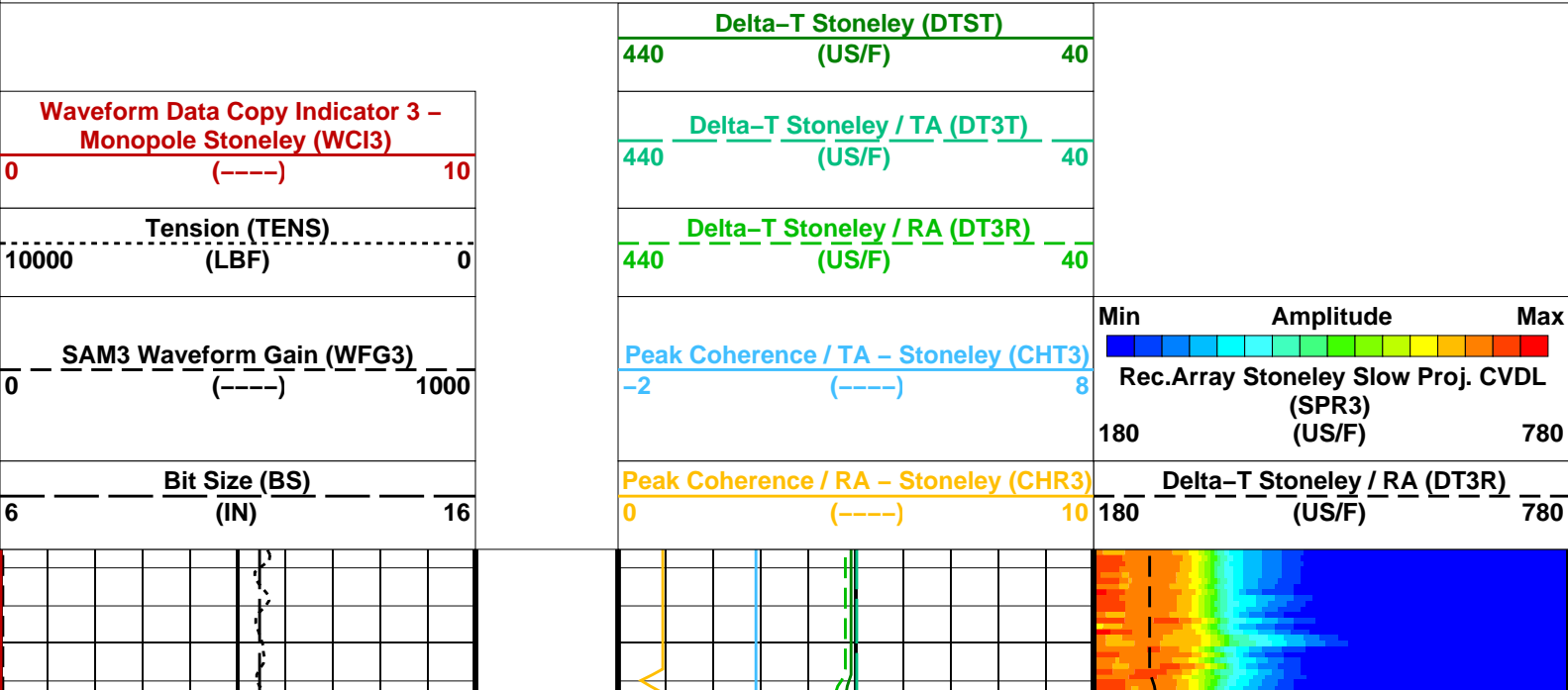
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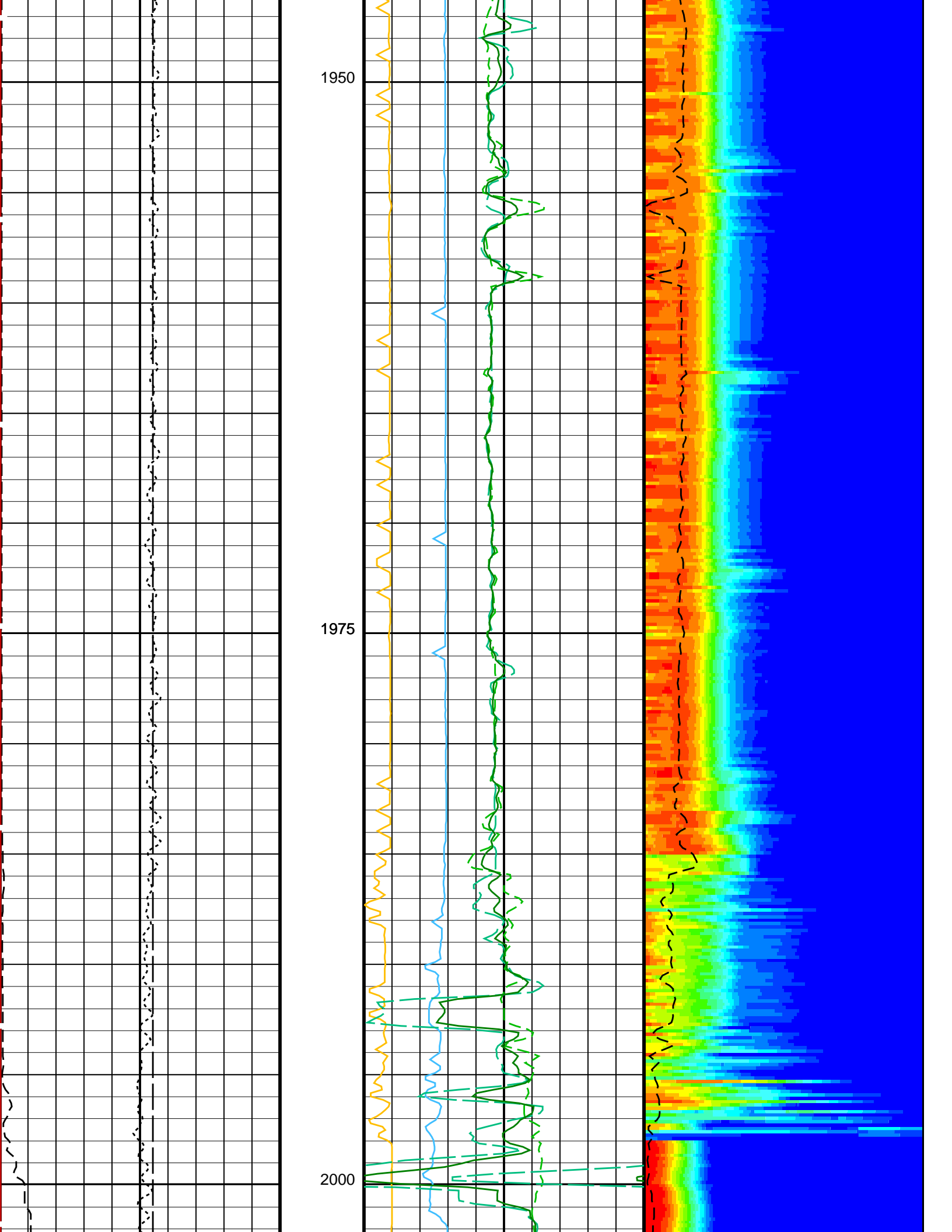
Company: International Ocean Discovery Program      Well: Expedition 400, Site U1604B

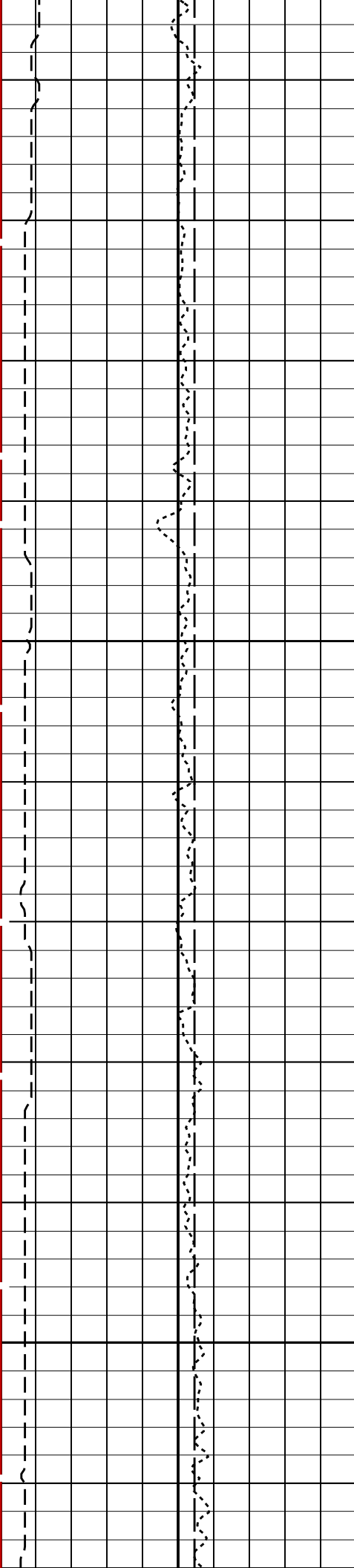
Output DLIS Files			
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OP System Version: 19C0–187			
MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

PIP SUMMARY	
Time Mark Every 60 S	

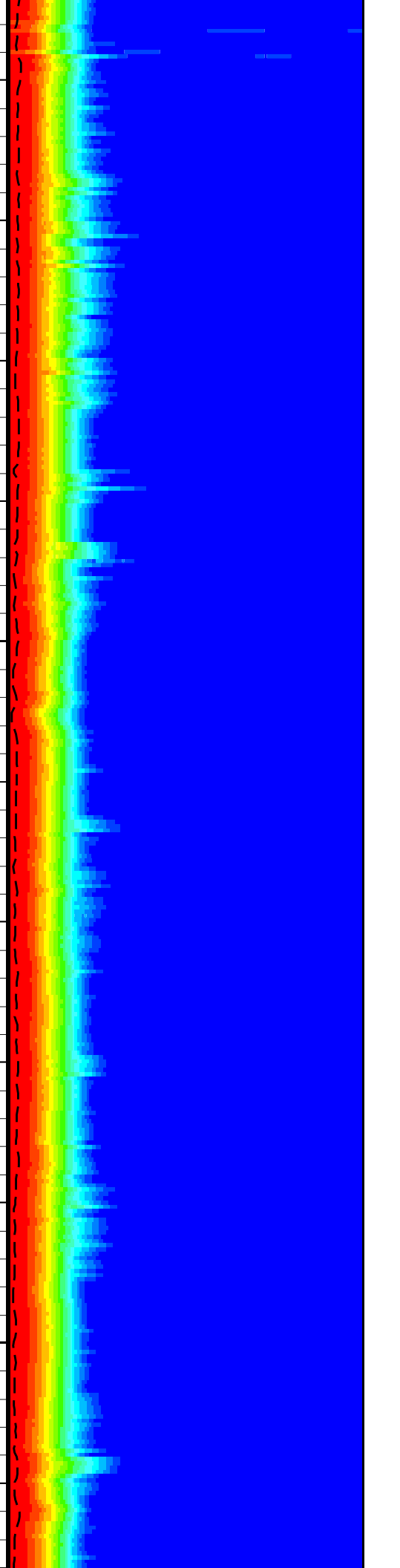
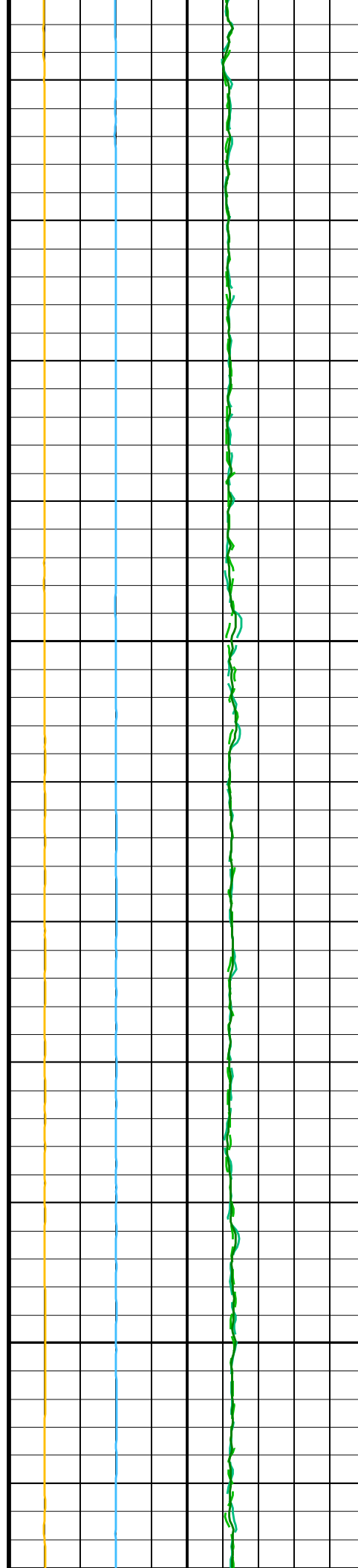




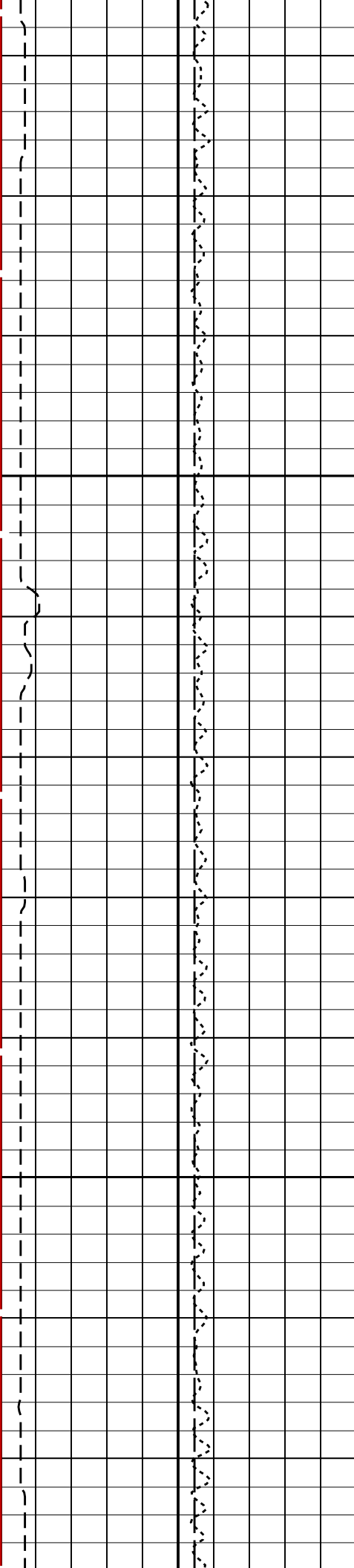


2025

2050

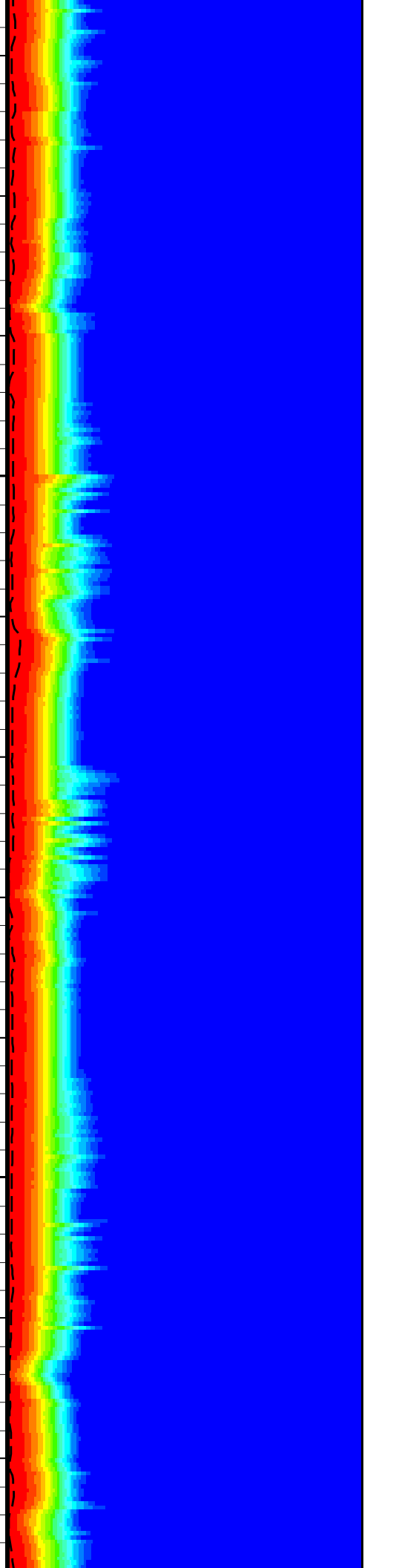
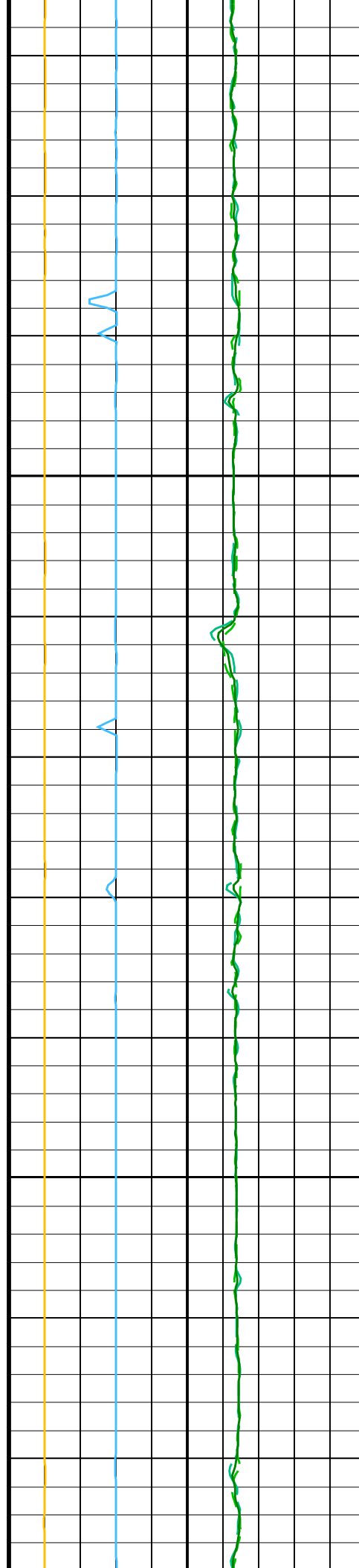


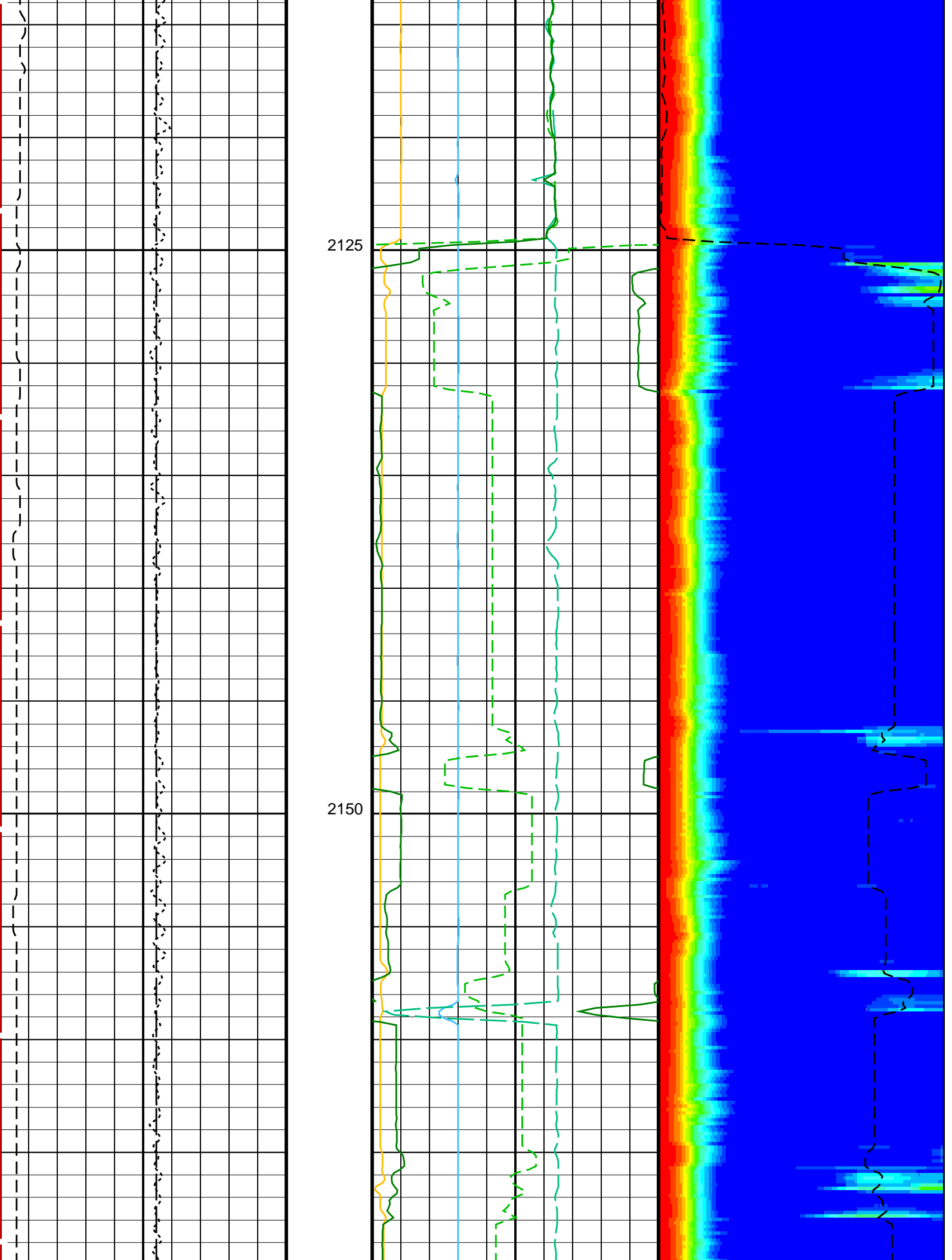


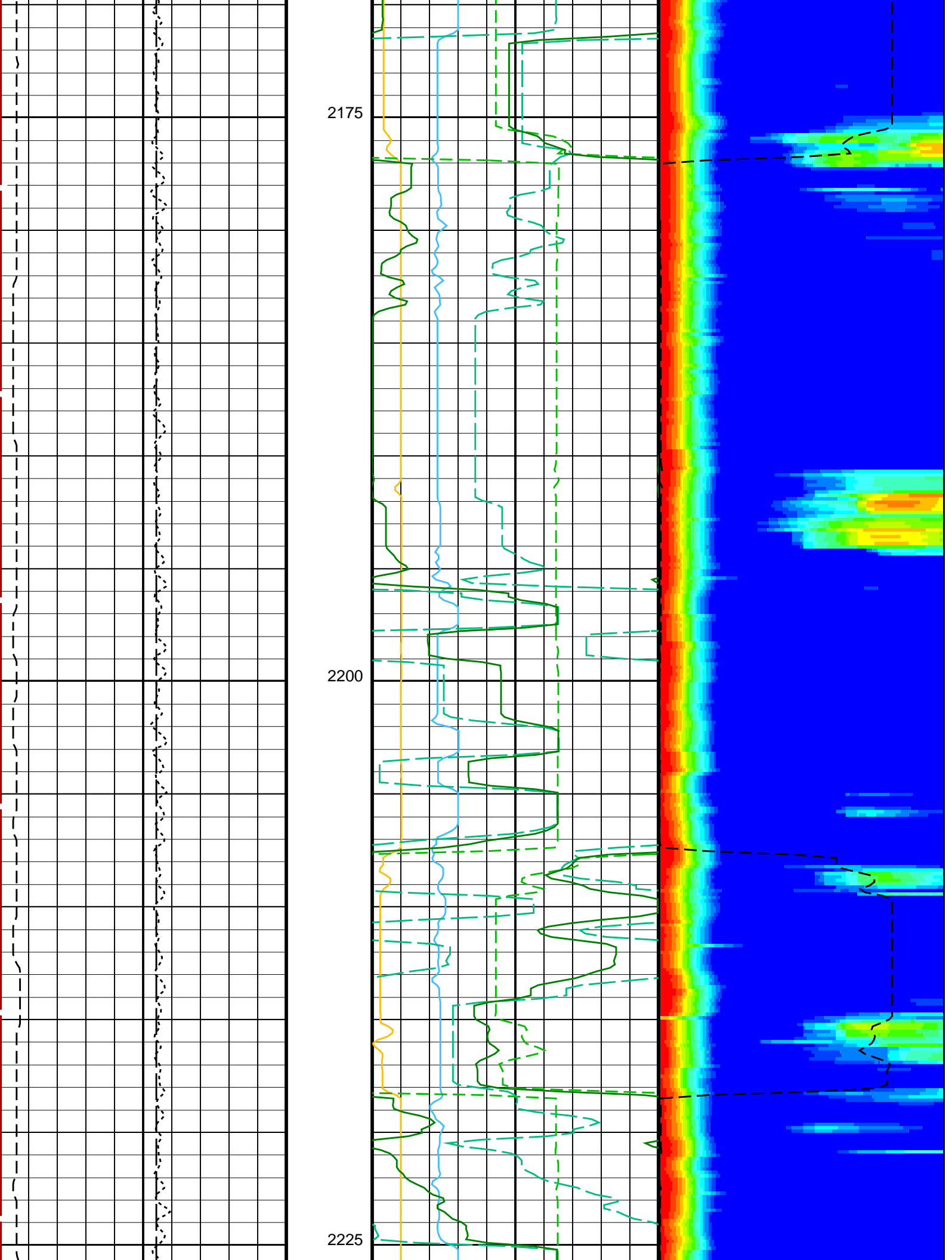


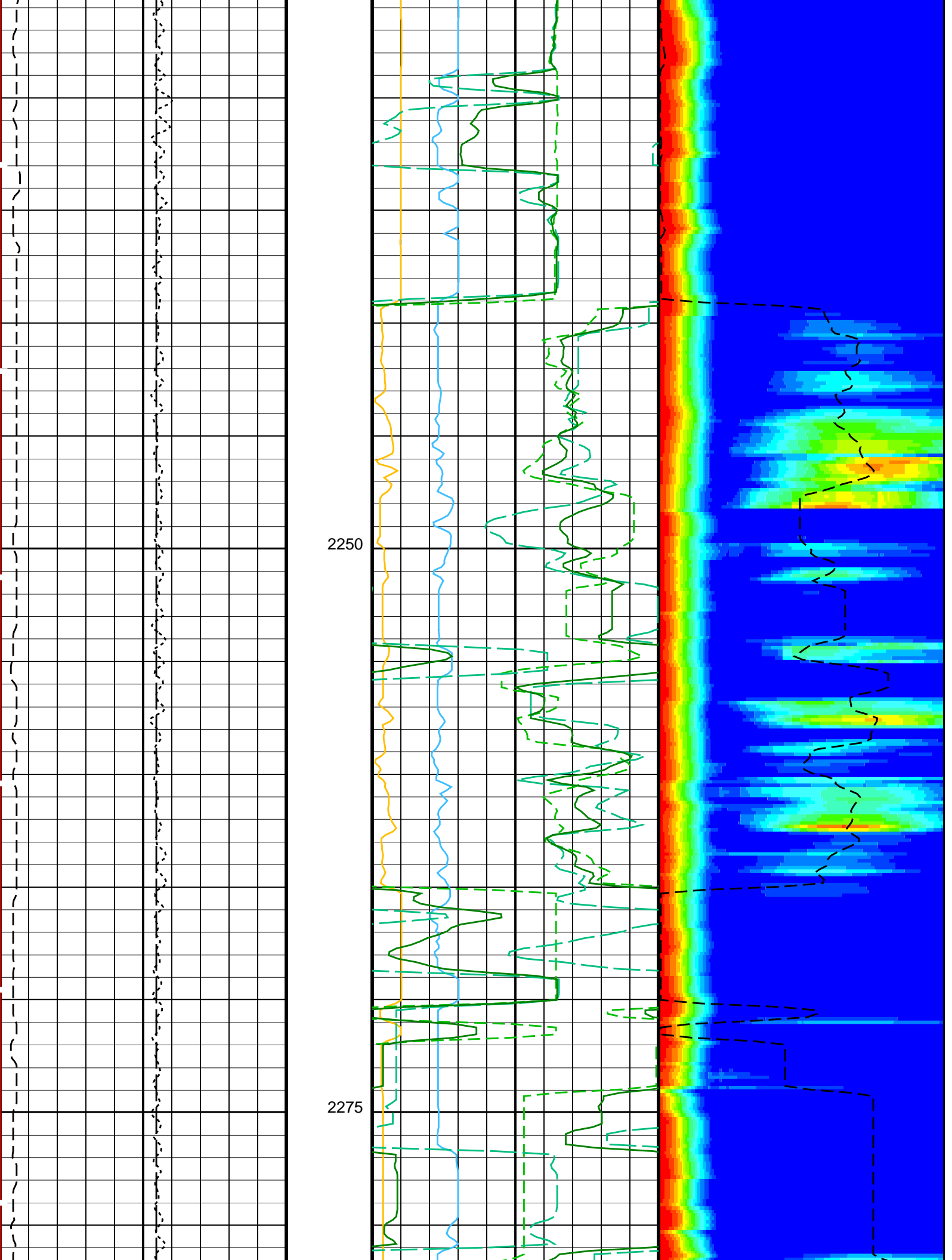
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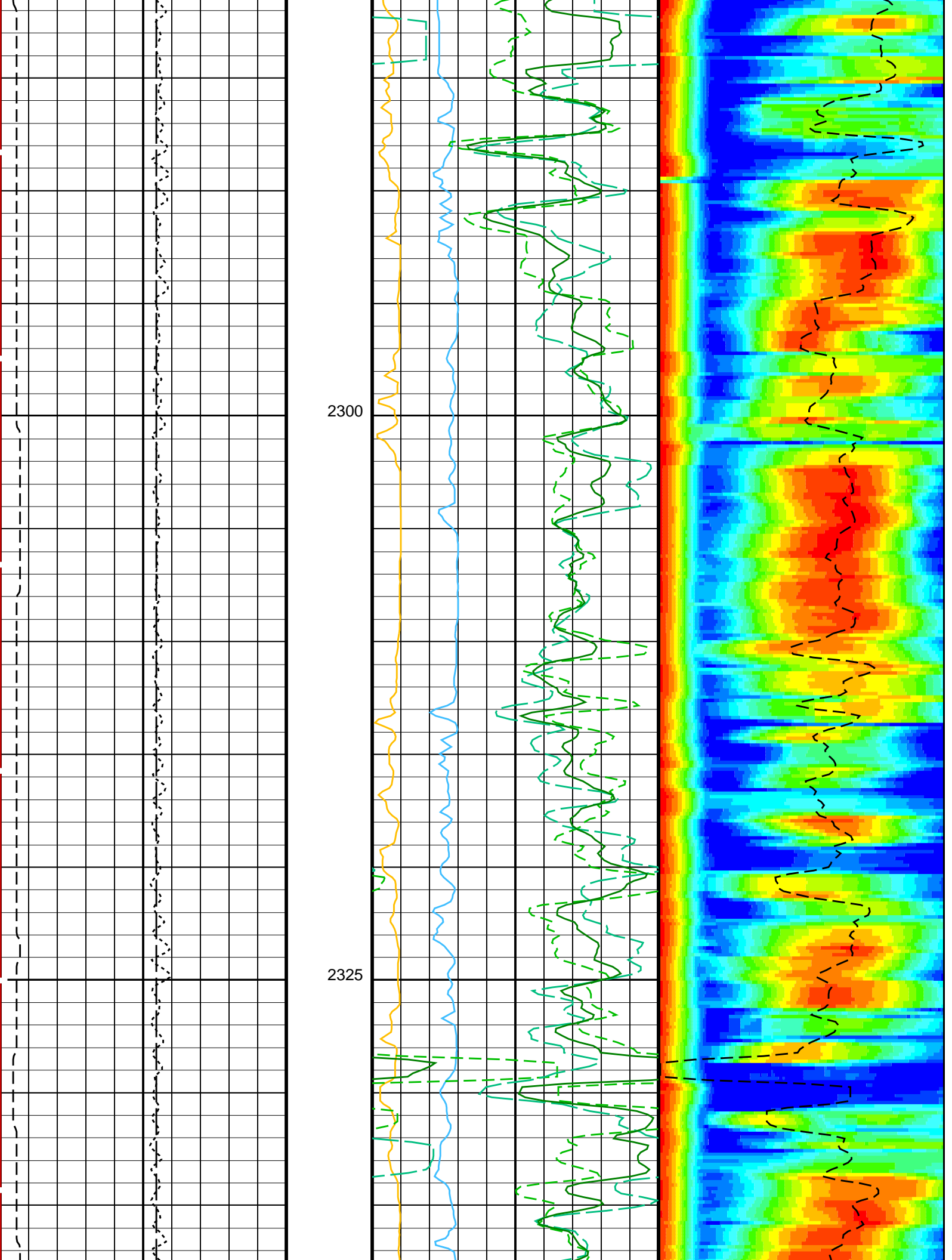
2100

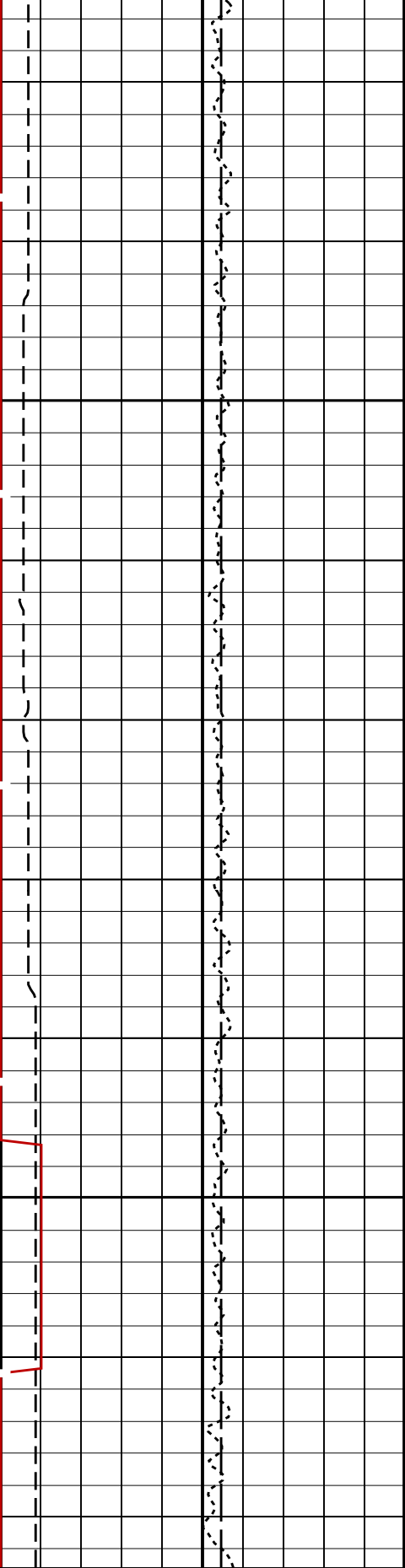






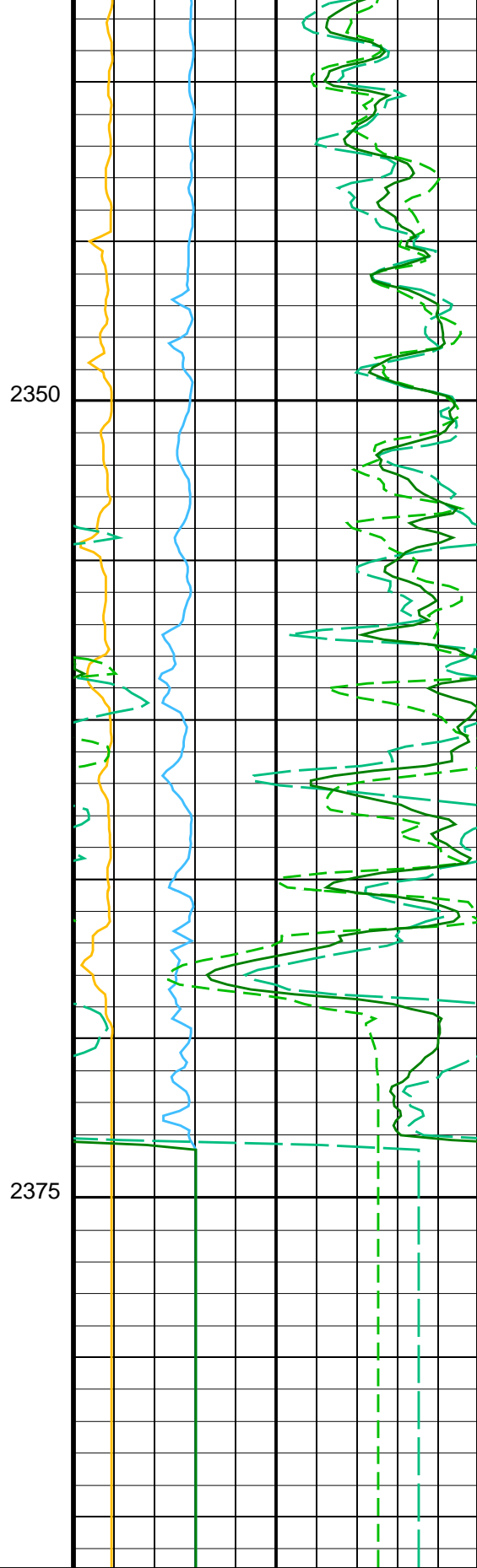






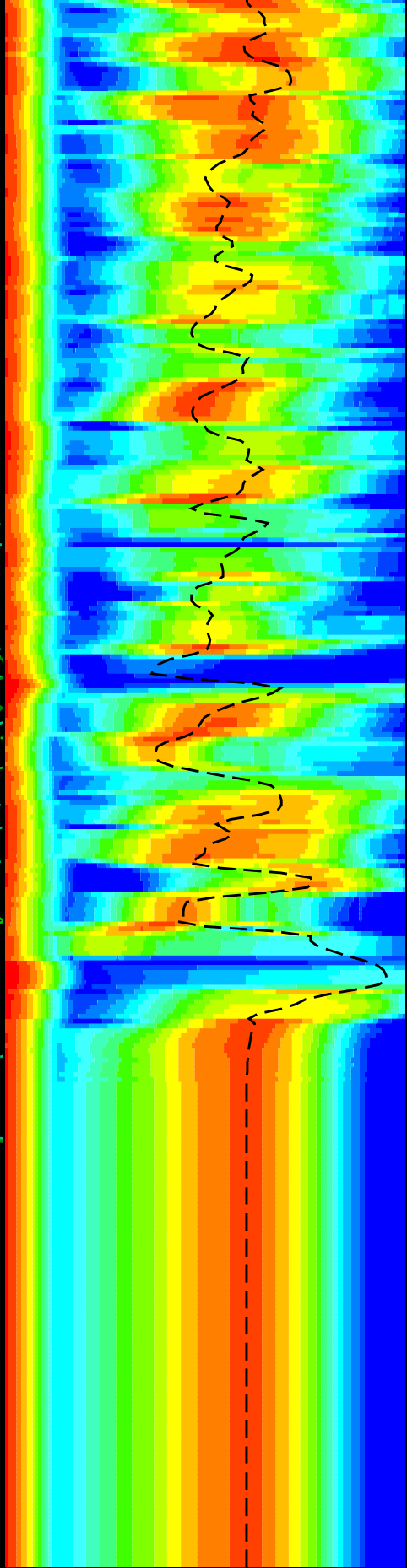
Bit Size (BS)  
(IN)

SAM3 Waveform Gain (WFG3)  
(----)



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

Peak Coherence / TA - Stoneley (CHT3)  
(----)



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

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

Tension (TENS)		Delta-T Stoneley / RA (DT3R)	
10000	(LBF)	440	40
Waveform Data Copy Indicator 3 – Monopole Stoneley (WCI3)		Delta-T Stoneley / TA (DT3T)	
0	(-----)	440	40
		Delta-T Stoneley (DTST)	
		440	40

PIP SUMMARY			
Time Mark Every 60 S			

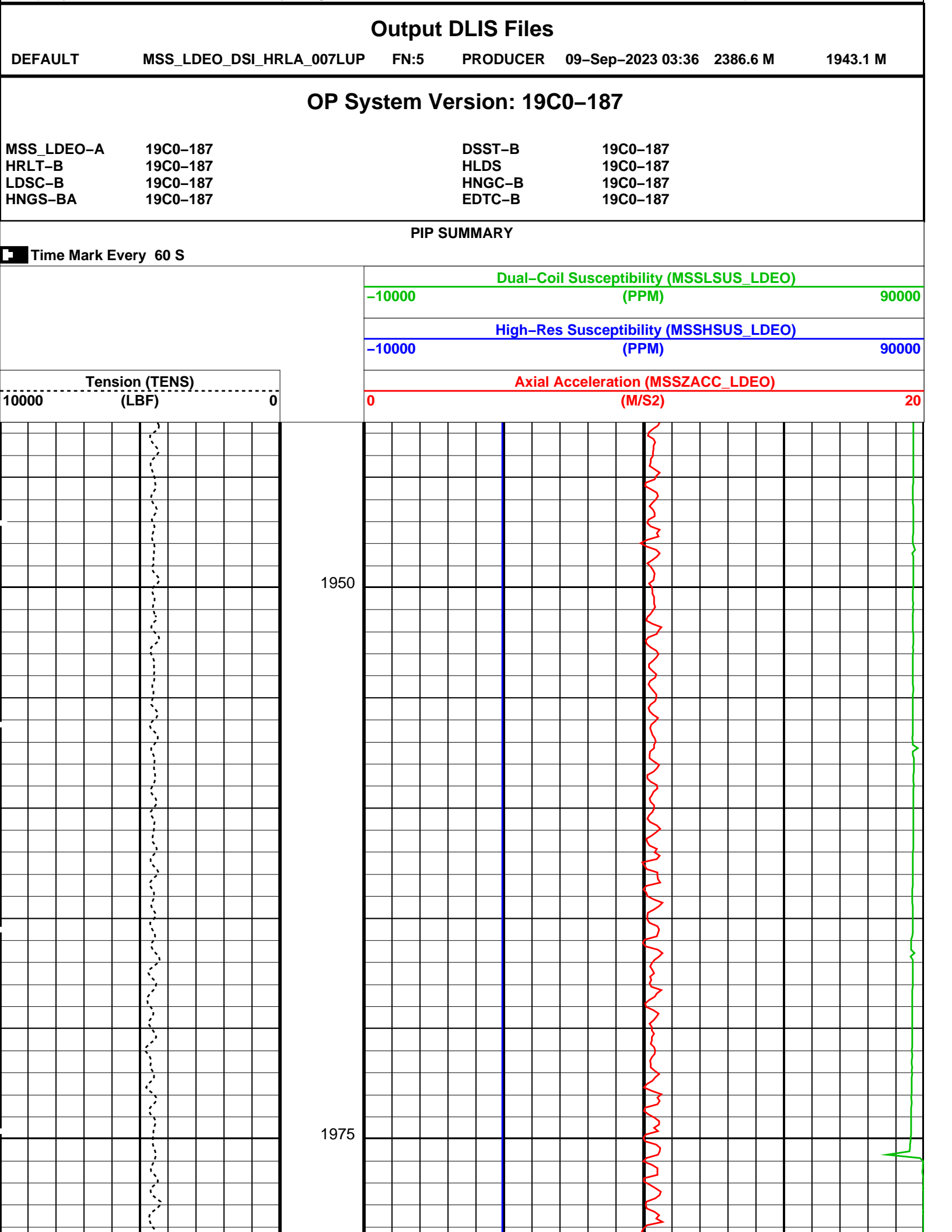
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DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
DDE3	Digitizing Delay 3	0	US
DDEX	Digitizing Delay X	0	US
DSI3	Digitizer Sample Interval 3	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC3	Digitizer Word Count 3	512	
DWCX	Digitizer Word Count X	512	
MTXG	Monopole Transmitter Geometry	186	IN
NWI3	Number Waveform Items 3	8	
NWIX	Number Waveform Items X	0	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM3	DSST Sonic Acquisition Mode 3 – Monopole Mode for Stoneley	EVEN	
SAMX	DSST Sonic Acquisition Mode X – Both Dipoles or Monopole Mode for Expert	OFF	
SAS3	STC Sonic Array Status – Monopole Stoneley	255	
SBO3	STC Search Band Offset – Monopole Stoneley	2000	US
SBW3	STC Search Bandwidth – Monopole Stoneley	6000	US
SFC3	STC Formation Character – Monopole Stoneley	SELECTABLE	
SFM3	STC Filter – Monopole Stoneley	B.5–1.5K	
SLL3	STC Slowness Lower Limit – Monopole Stoneley	180	US/F
SST3	STC Slowness Step – Monopole Stoneley	4	US/F
SSW3	STC Source Waveform – Monopole Stoneley	WF_SAM3	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	780	US/F
SUL3	STC Slowness Upper Limit – Monopole Stoneley	780	US/F
SWD3	STC Slowness Width – Monopole Stoneley	40	US/F
TBF3	STC Time for Baseline Fill – Monopole Stoneley	0	US
TLL3	STC Time Lower Limit – Monopole Stoneley	620	US
TST3	STC Time Step – Monopole Stoneley	200	US
TUL3	STC Time Upper Limit – Monopole Stoneley	12020	US
TWD3	STC Time Width – Monopole Stoneley	2000	US
TWI3	STC Integration Time Window – Monopole Stoneley	1600	US
TWSX	Transmitter Waveform Select X	0	
WFM3	Waveform Mode 3	W1	
System and Miscellaneous			
BS	Bit Size	11.438	IN

Format: DSST_STONELEY_VDL_COLOR	Vertical Scale: 1:200	Graphics File Created: 09-Sep-2023 03:36
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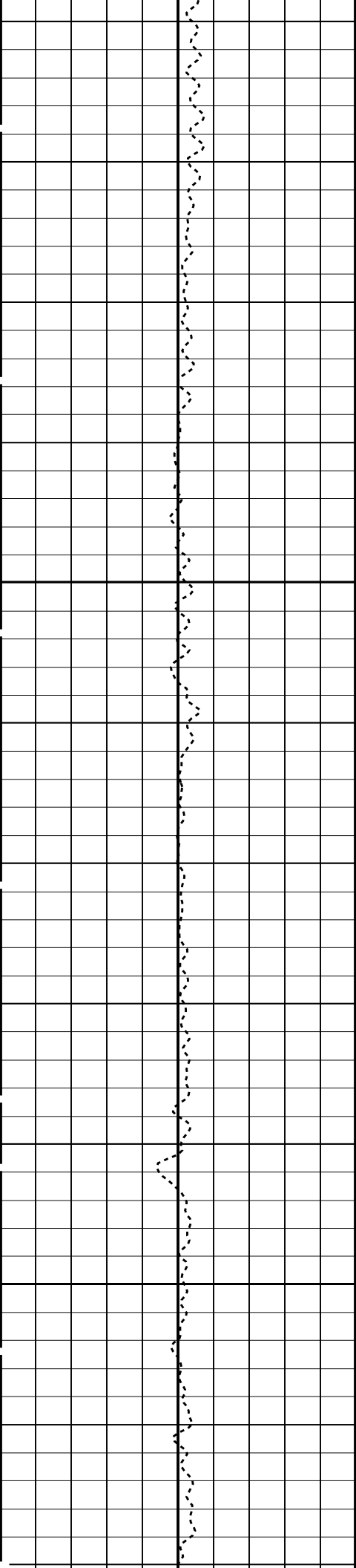
OP System Version: 19C0–187			
MSS_LDEO–A	19C0–187	DSST–B	19C0–187
HRLT–B	19C0–187	HLDS	19C0–187
LDSC–B	19C0–187	HNGC–B	19C0–187
HNGS–BA	19C0–187	EDTC–B	19C0–187

Output DLIS Files			
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Company: International Ocean Discovery Program	Well: Expedition 400, Site U1604B
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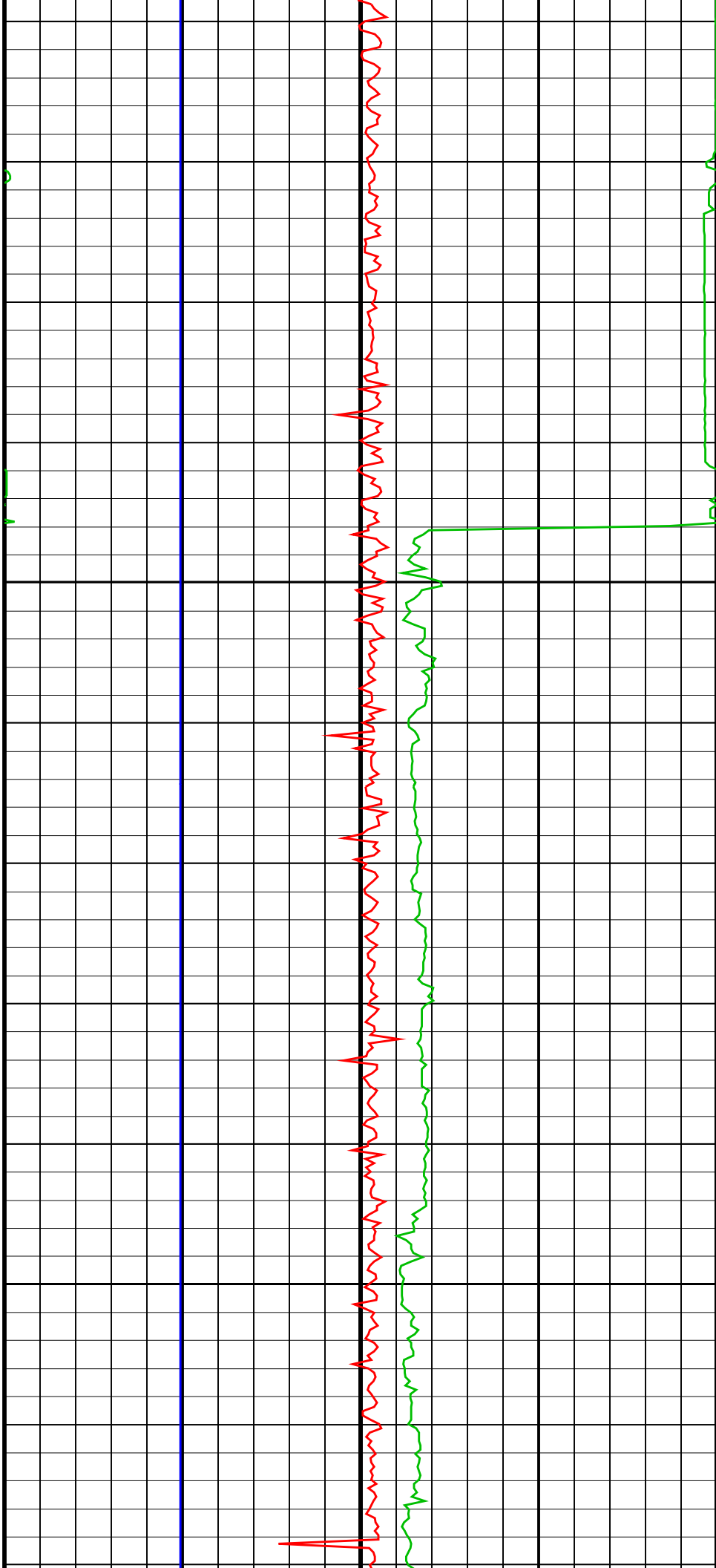


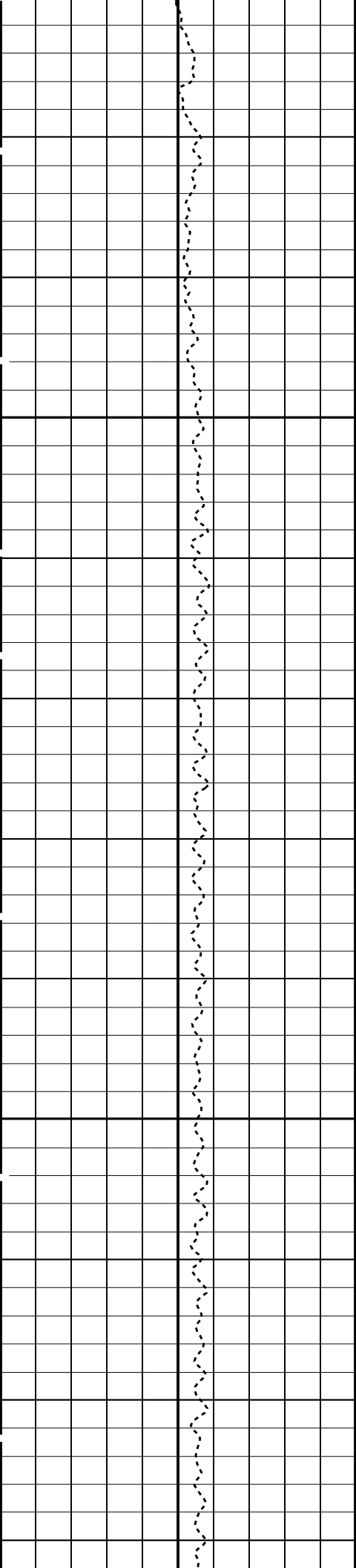




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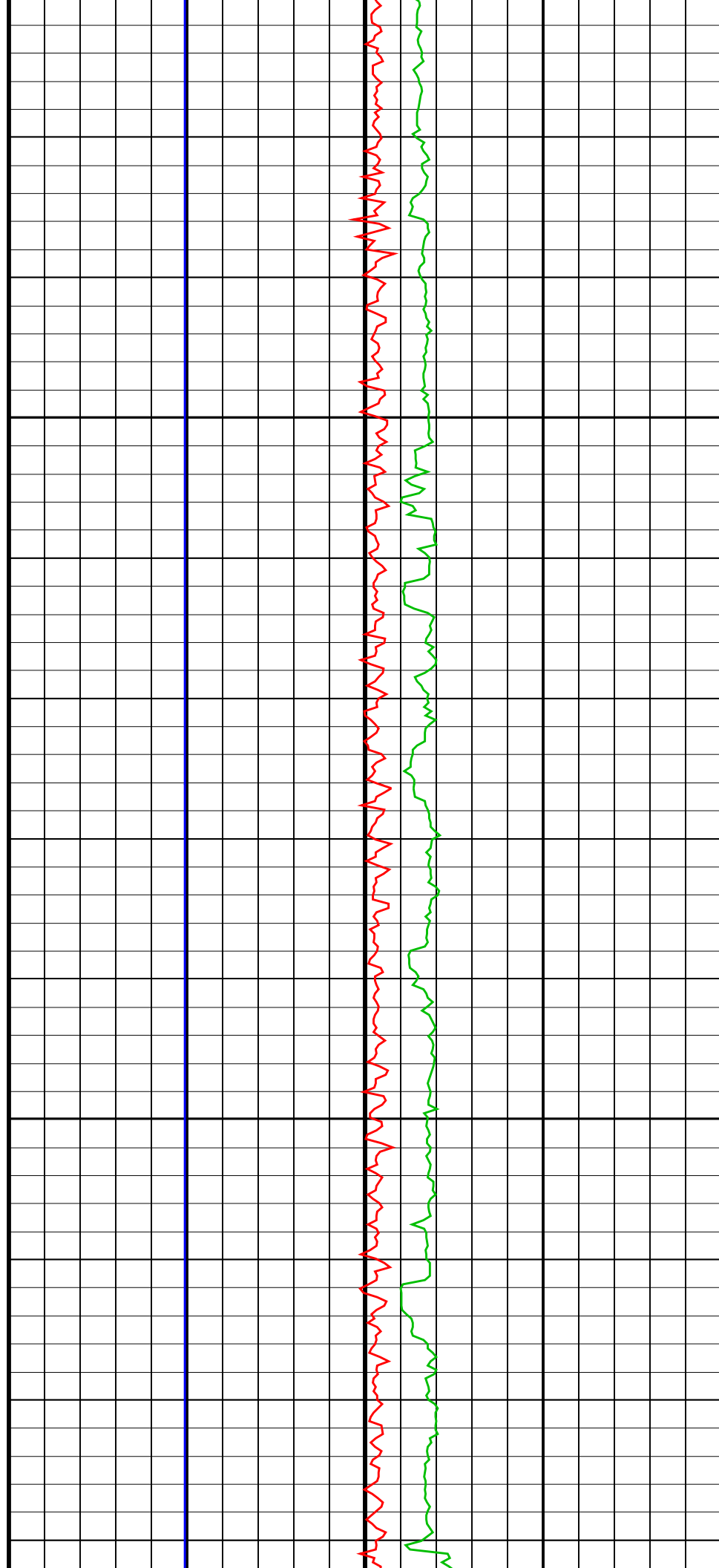
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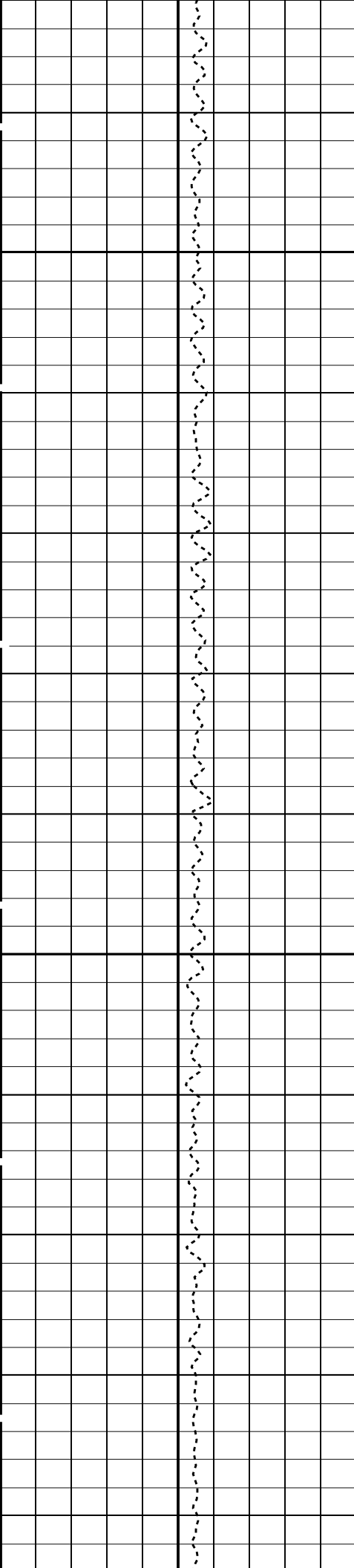




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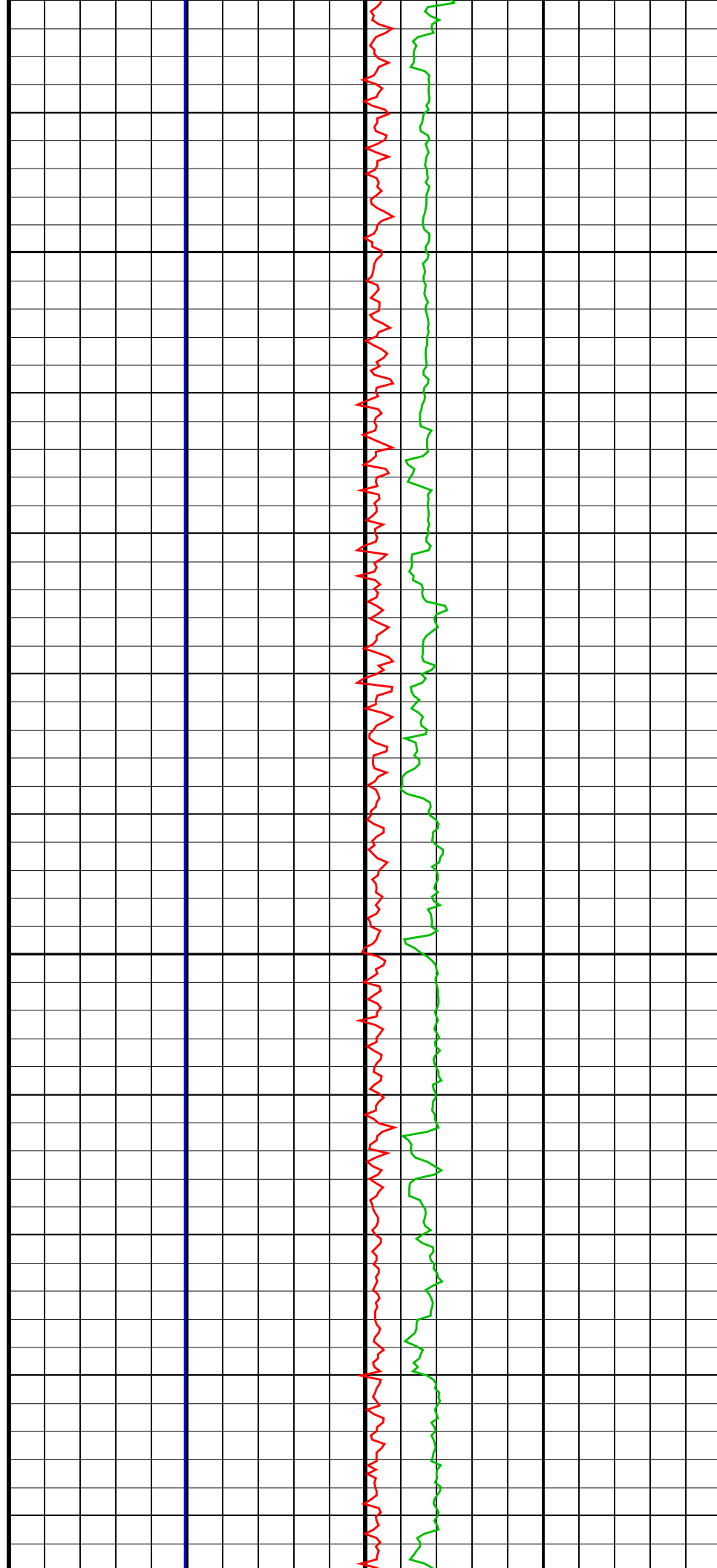
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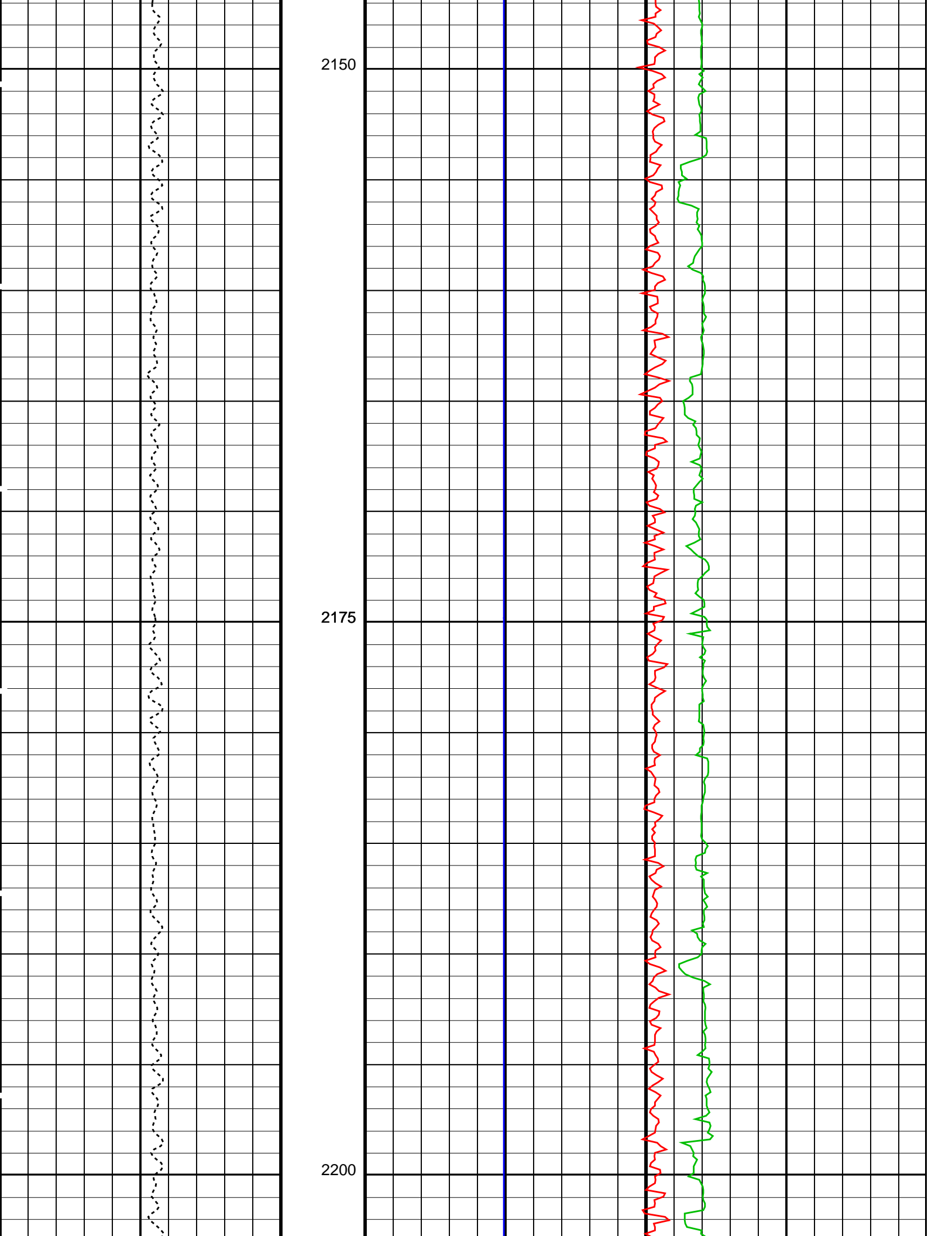


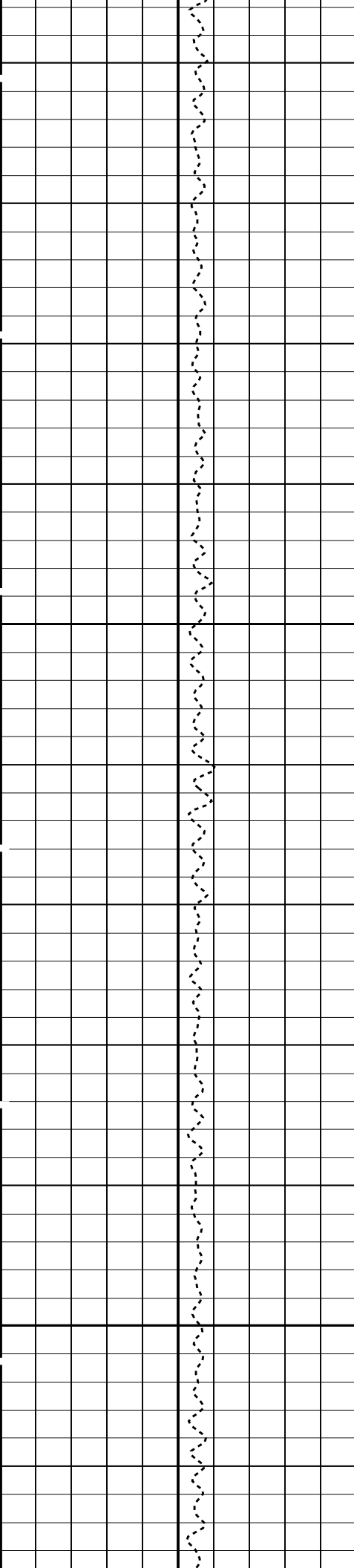


2100

2125

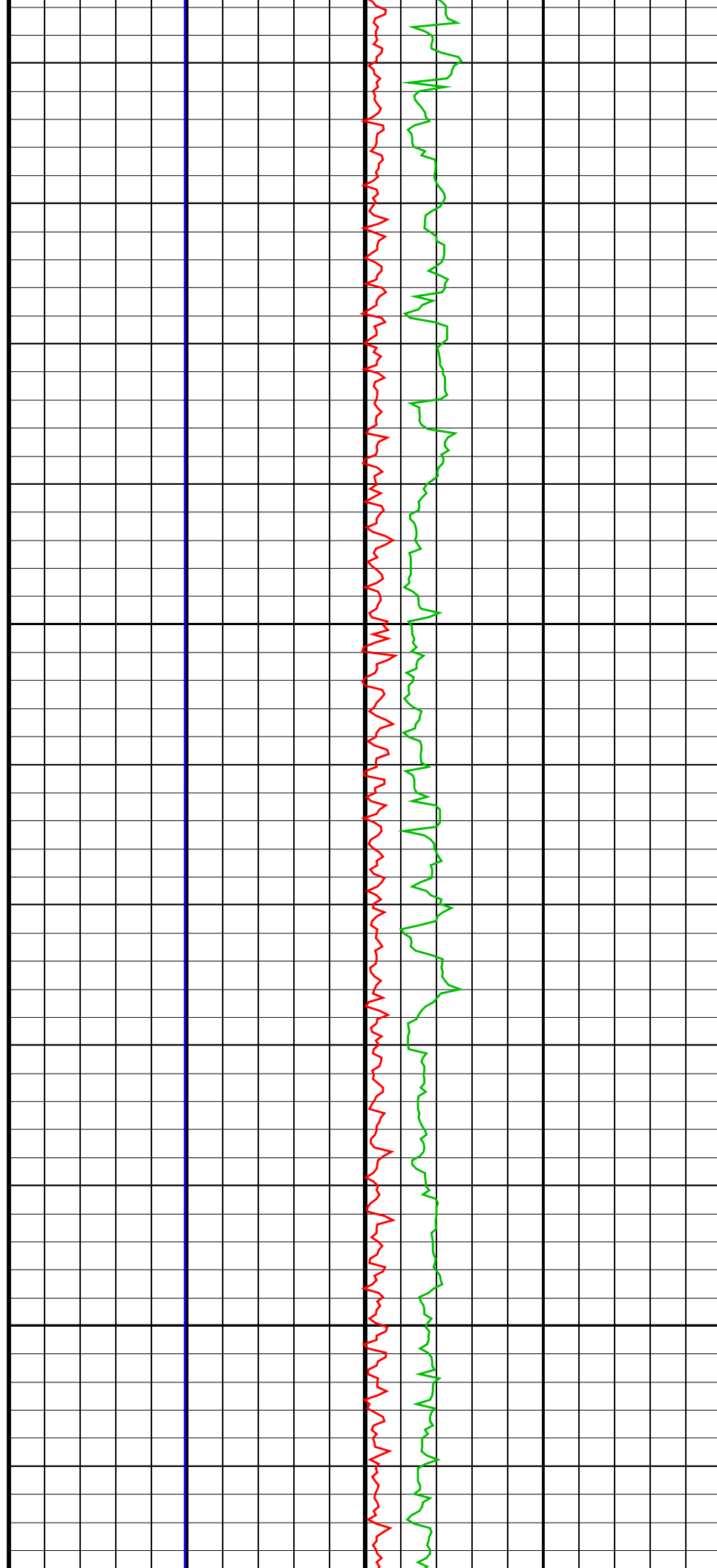


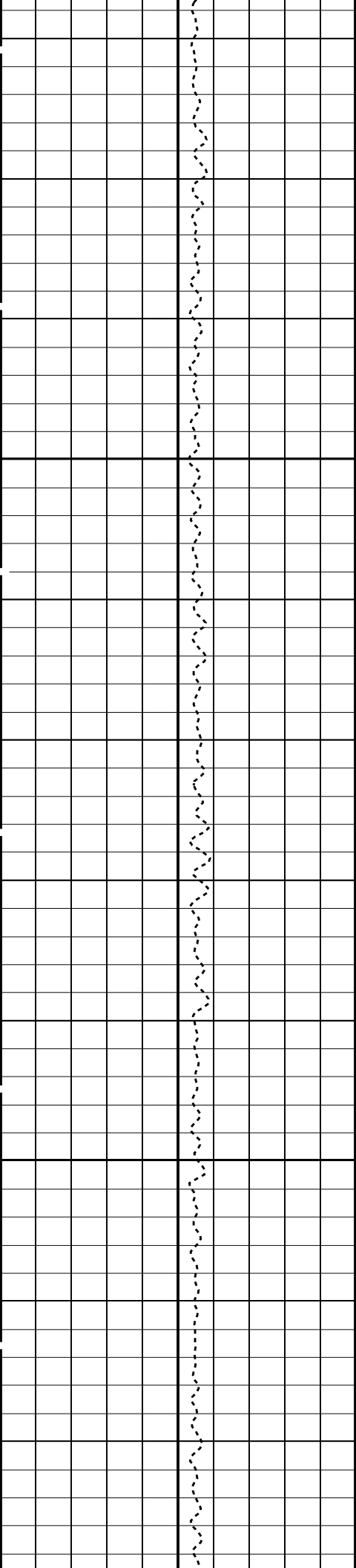




2225

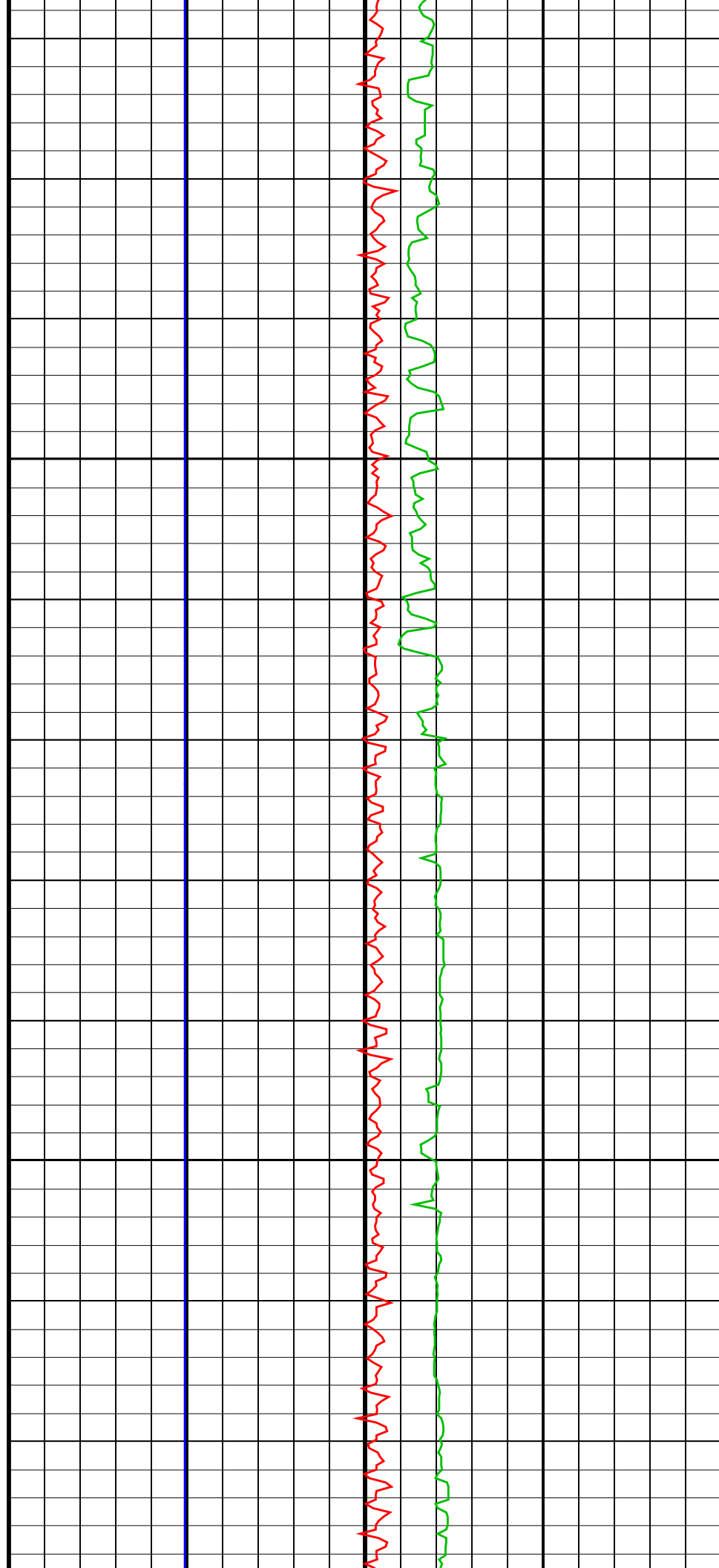
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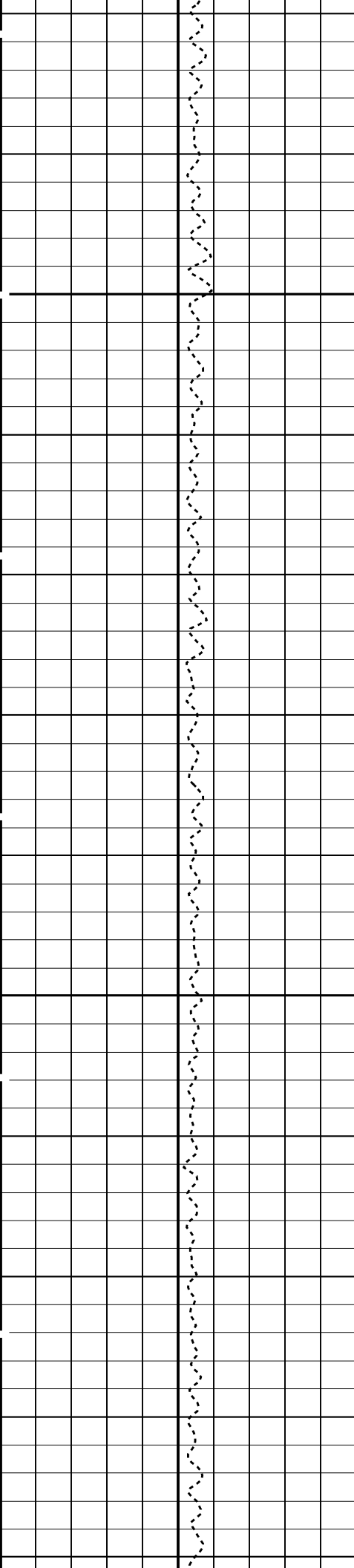




2275

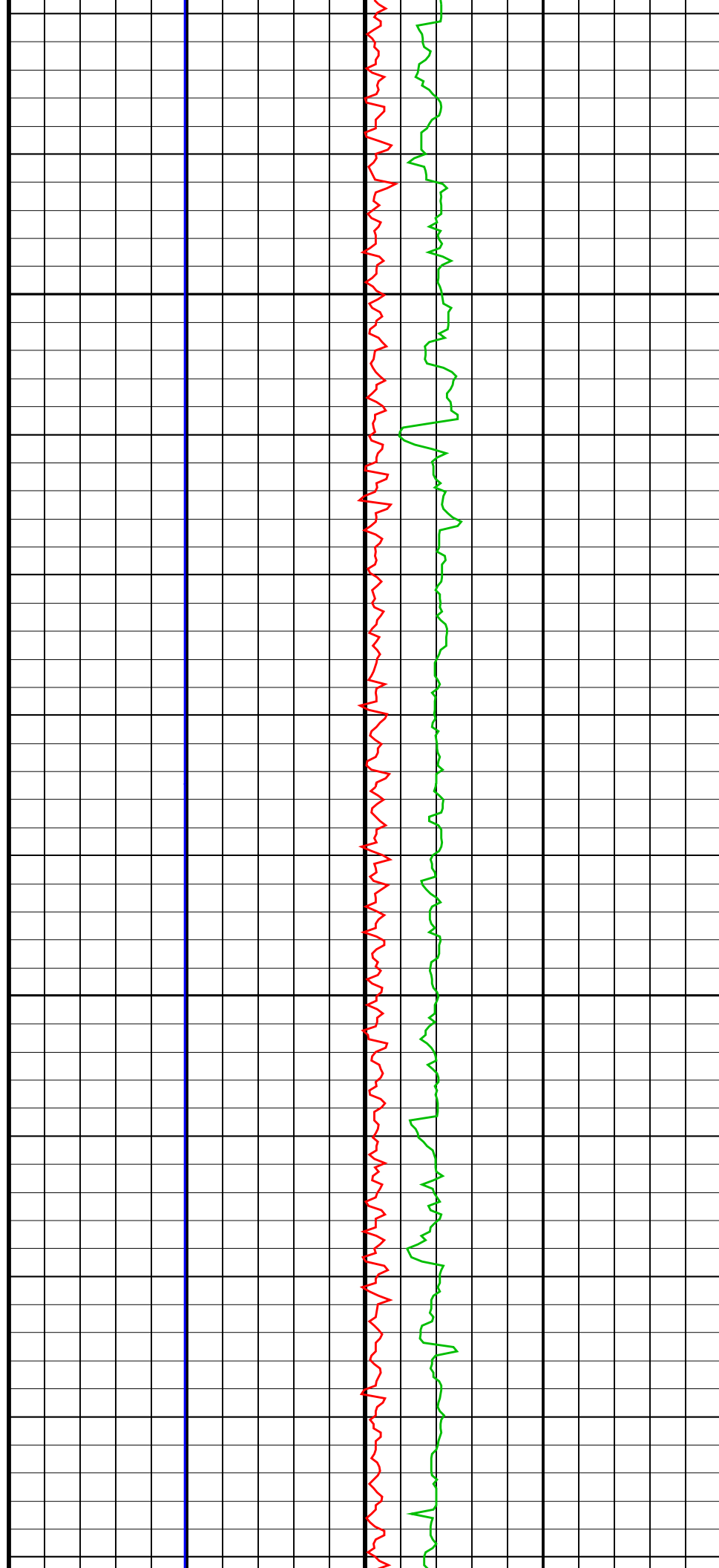
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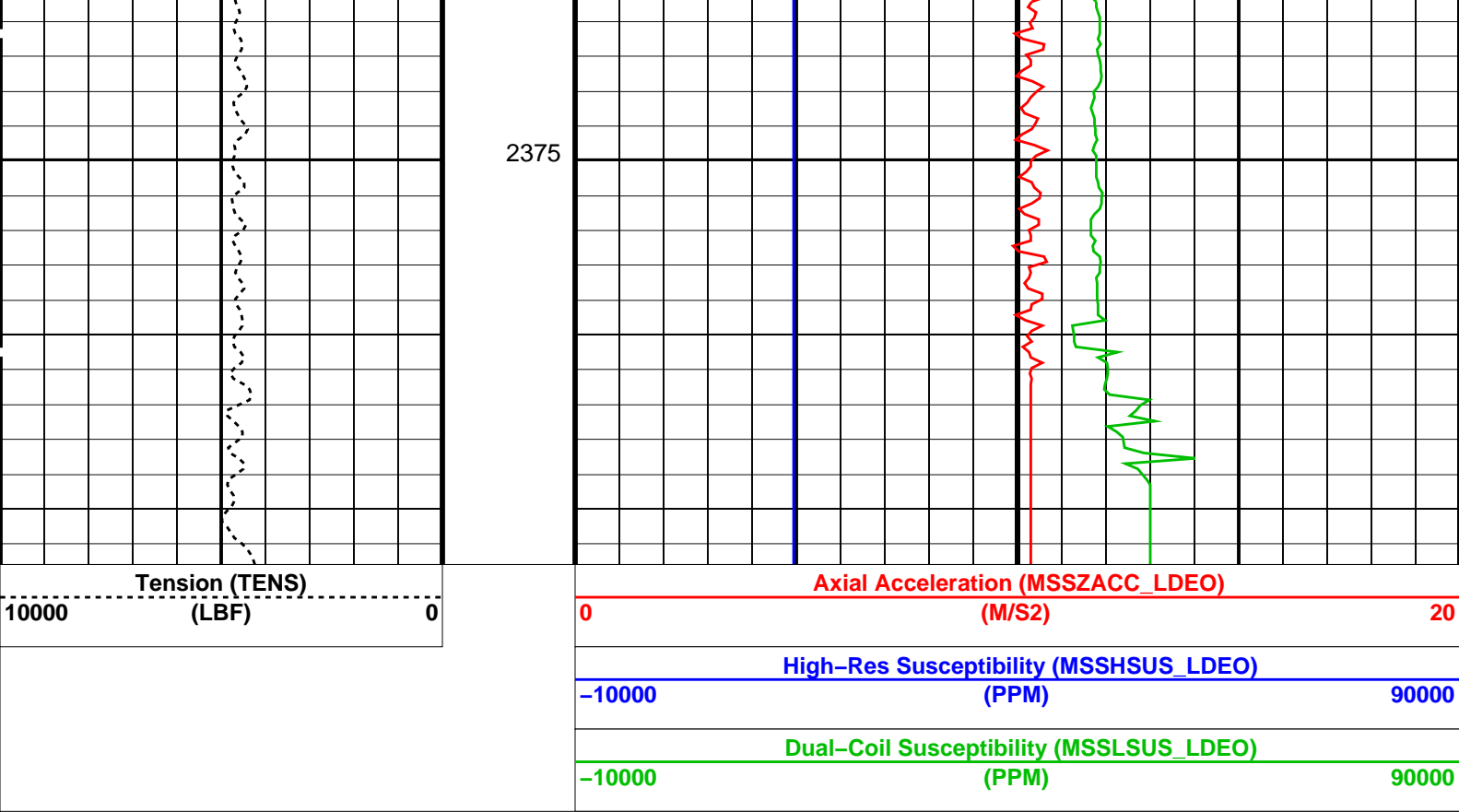




2325

2350





PIP SUMMARY

Time Mark Every 60 S

Format: MSS\_Logging Vertical Scale: 1:200 Graphics File Created: 09-Sep-2023 03:36

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	DSST-B	19C0-187
HRLT-B	19C0-187	HLDS	19C0-187
LDSC-B	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

Output DLIS Files

DEFAULT	MSS_LDEO_DSI_HRLA_007LUP	FN:5	PRODUCER	09-Sep-2023 03:36
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Callibrations

MAXIS Field Log

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M01							
Before: 9-Sep-2023 0:46							
HRLT M0-M1 Voltage Plus – 0	0	N/A	–318.7	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 1	0	N/A	–330.3	N/A	N/A	9.681	UV



HRLT M0-M1 Voltage Plus - 2	0	N/A	-337.4	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 3	0	N/A	-327.9	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 4	0	N/A	-319.4	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 5	0	N/A	-320.9	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 6	0	N/A	319.6	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 7	0	N/A	-322.7	N/A	N/A	9.681	UV

#### High Resolution Laterolog Array - B Wellsite Calibration - HRLT M12

Before: 9-Sep-2023 0:46

HRLT M1-M2 Voltage Plus - 0	0	N/A	1737	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 1	0	N/A	1803	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 2	0	N/A	1836	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 3	0	N/A	1785	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 4	0	N/A	1740	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 5	0	N/A	1750	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 6	0	N/A	-1752	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 7	0	N/A	1781	N/A	N/A	53.42	UV

#### High Resolution Laterolog Array - B Wellsite Calibration - HRLT M23

Before: 9-Sep-2023 0:46

HRLT M2-M3 Voltage Plus - 0	0	N/A	1730	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 1	0	N/A	1806	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 2	0	N/A	1842	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 3	0	N/A	1794	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 4	0	N/A	1743	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 5	0	N/A	1755	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1743	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	N/A	N/A	53.42	UV

#### High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34

Before: 9-Sep-2023 0:46

HRLT A3-A4 Voltage Plus - 0	0	N/A	68540	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	71400	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	73110	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	71440	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	69390	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	69850	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 6	0	N/A	-67970	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

#### High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45

Before: 9-Sep-2023 0:46

HRLT A4-A5 Voltage Plus - 0	0	N/A	68620	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	71600	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	73300	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	71610	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69490	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	69950	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-68180	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

#### High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56

Before: 9-Sep-2023 0:46

HRLT A5-A6 Voltage Plus - 0	0	N/A	68480	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	71460	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	73140	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	71450	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69360	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	69800	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-68030	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

#### High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP

Before: 9-Sep-2023 0:46

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68060	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-71280	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73030	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71430	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69370	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69820	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	67820	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV

#### High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

Before: 9-Sep-2023 0:46

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68120	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-71370	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73120	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71510	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69410	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69850	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	67920	N/A	N/A	2100	UV

HRLT Bridge#9-M0 Voltage - 0	0	N/A	07920	N/A	N/A	2100	UV
HRLT Bridge#9-M0 Voltage - 7	0	N/A	-70000	N/A	N/A		
High Resolution Laterolog Array - B Wellsite Calibration - HRLT ISO							
Before: 9-Sep-2023 0:46							
HRLT Source Current Plus - 0	0	N/A	284.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 1	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 2	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 3	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 4	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 5	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 6	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus - 7	0	N/A	281.1	N/A	N/A	8.520	UA
High Resolution Laterolog Array - B Wellsite Calibration - HRLT MV							
Before: 9-Sep-2023 0:46							
HRLT Vertical Voltage PI - 0	0	N/A	-320.2	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-324.0	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-330.2	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-319.4	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-308.6	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-325.2	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	326.0	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI - 7	0	N/A	-322.7	N/A	N/A	9.681	UV
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: Calibration out of date 17-Apr-2023 16:17 Before: 9-Sep-2023 0:44							
SS Cs Resolution Bkg	9.000	7.686	7.737	N/A	N/A	1.800	%
LS Cs Resolution Bkg	9.000	8.041	8.128	N/A	N/A	1.800	%
LSW1 Background	100.0	68.26	72.21	N/A	N/A	3.000	CPS
LSW2 Background	100.0	60.94	63.29	N/A	N/A	3.000	CPS
LSW3 Background	200.0	138.7	139.1	N/A	N/A	6.000	CPS
LSW4 Background	250.0	175.2	171.4	N/A	N/A	7.500	CPS
LSW5 Background	600.0	408.6	399.1	N/A	N/A	18.00	CPS
SSW1 Background	100.0	65.23	67.17	N/A	N/A	3.000	CPS
SSW2 Background	200.0	113.8	116.6	N/A	N/A	6.000	CPS
SSW3 Background	500.0	315.9	311.7	N/A	N/A	15.00	CPS
SSW4 Background	270.0	170.4	168.7	N/A	N/A	8.100	CPS
SSW5 Background	200.0	123.7	120.6	N/A	N/A	6.000	CPS
Hostile Litho-Density Sonde Wellsite Calibration - Aluminum Measurement							
Master: Calibration out of date 17-Apr-2023 16:44							
LSW1 Aluminum	600.0	389.1	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	572.5	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	695.3	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	351.7	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	323.4	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	1903	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	5285	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	7450	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	2937	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	318.4	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration - Lithology Measurement							
Master: Calibration out of date 17-Apr-2023 16:39							
LSW1 Iron	400.0	275.0	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	472.8	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	636.1	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	328.2	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	300.4	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1428	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	4512	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	6970	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	2749	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	293.4	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration							
Before: Calibration out of date 17-Apr-2023 15:57							
HLDS Caliper Small Ring	12.00	N/A	16.09	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	20.11	N/A	N/A	N/A	IN
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check							
Master: Calibration out of date 19-Apr-2023 20:22 Before: Calibration out of date 13-Jun-2021 10:44							
Na 511 Peak Loc	40.00	38.56	39.64	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.82	14.84	N/A	N/A	2.000	%
High Voltage	1150	1206	1168	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	139.2	143.3	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.087	7.709	N/A	N/A	2.000	%
Temperature	15.50	26.64	11.69	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	47.40	12.89	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check							

Master: Calibration out of date		19-Apr-2023 20:22	Before: Calibration out of date		13-Jun-2021 10:44		
Na 511 Peak Loc		40.00	39.72	39.51	N/A	N/A	1.000
Na 511 Peak Res		15.50	15.41	15.27	N/A	N/A	2.000
High Voltage		1150	1089	1090	N/A	N/A	N/A
Na 1785 Peak Loc		142.6	142.9	140.8	N/A	N/A	7.000
Na 1785 Peak Res		8.500	8.753	9.507	N/A	N/A	2.000
Temperature		15.50	25.53	12.30	N/A	N/A	N/A
Na Count Rate		45.00	47.70	13.60	N/A	N/A	8.000
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: Calibration out of date		19-Apr-2023 20:22	Before: Calibration out of date		13-Jun-2021 10:44		
Coincidence Count Rate Ratio		1.000	0.9913	0.9527	N/A	N/A	0.05000
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 31-Aug-2023 8:28							
EDTC Z-Axis Acceleration		9.810	N/A	9.844	N/A	N/A	N/A
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: Calibration out of date		4-May-2022 21:05					
Gamma Ray (Jig – Bkg)		113.5	N/A	113.5	N/A	N/A	10.31
Gamma Ray (Calibrated)		165.0	N/A	165.0	N/A	N/A	15.00

### High Resolution Laterolog Array – B / Equipment Identification

#### Primary Equipment:

HRLT Sonde

HRLS – B

768

#### Auxiliary Equipment:

HRLT lower Housing

HRLH – B

1869

HRLT Lower Cartridge

HRLC – B

1897

HRLT upper Housing









HRUH – B









975

HRLT Upper Cartridge









HRUC – B

964









High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M01						
Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-318.7	-322.7	-280.7	-379.7
1	Before		-330.3	-322.7	-280.7	-379.7
2	Before		-337.4	-322.7	-280.7	-379.7
3	Before		-327.9	-322.7	-280.7	-379.7
4	Before		-319.4	-322.7	-280.7	-379.7
5	Before		-320.9	-322.7	-280.7	-379.7
6	Before		319.6	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
(Minimum) (Nominal) (Maximum)						
Before: 9-Sep-2023 0:46						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1737	1781	2095	1549
1	Before		1803	1781	2095	1549
2	Before		1836	1781	2095	1549
3	Before		1785	1781	2095	1549
4	Before		1740	1781	2095	1549
5	Before		1750	1781	2095	1549
6	Before		-1752	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
(Minimum) (Nominal) (Maximum)						









Before: 9-Sep-2023 0:46

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2–M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1730	1781	2095	1549
1	Before		1806	1781	2095	1549
2	Before		1842	1781	2095	1549
3	Before		1794	1781	2095	1549
4	Before		1743	1781	2095	1549
5	Before		1755	1781	2095	1549
6	Before		-1743	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
(Minimum) (Nominal) (Maximum)						





Before: 9-Sep-2023 0:46

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3–A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68540	70000	82360	60900
1	Before		71400	70000	82360	60900
2	Before		73110	70000	82360	60900
3	Before		71440	70000	82360	60900
4	Before		69390	70000	82360	60900
5	Before		69850	70000	82360	60900
6	Before		-67970	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						

Before: 9-Sep-2023 0:46









High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68620	70000	82360	60900
1	Before		71600	70000	82360	60900
2	Before		73300	70000	82360	60900
3	Before		71610	70000	82360	60900
4	Before		69490	70000	82360	60900
5	Before		69950	70000	82360	60900
6	Before		-68180	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						

Before: 9-Sep-2023 0:46

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68480	70000	82360	60900
1	Before		71460	70000	82360	60900
2	Before		73140	70000	82360	60900
3	Before		71450	70000	82360	60900



High Resolution Laterolog Array – B Wellsite Calibration

HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.2	-322.7	-280.7	-379.7
1	Before		-324.0	-322.7	-280.7	-379.7
2	Before		-330.2	-322.7	-280.7	-379.7
3	Before		-319.4	-322.7	-280.7	-379.7
4	Before		-308.6	-322.7	-280.7	-379.7
5	Before		-325.2	-322.7	-280.7	-379.7
6	Before		326.0	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
(Minimum) (Nominal) (Maximum)						
Before: 9-Sep-2023 0:46						

Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:

Gamma Source Radioactive

Hostile Litho Density Sonde

Hostile Litho Density High Voltage

GSR – ZA

2945

HLDS – D

77

HLDV – D

67

Auxiliary Equipment:

Hostile Litho Density High Voltage Housi

Hostile Litho Density Pad

HEH – H

67

HLDP – C

83

Hostile Litho-Density Sonde Wellsite Calibration

Background Measurement											
Phase	SS Cs Resolution Bkg %		Value	Phase	LS Cs Resolution Bkg %		Value	Phase	LSW1 Background CPS		Value
Master	<div><div></div></div>		7.686	Master	<div><div></div></div>		8.041	Master	<div><div></div></div> <div>MASTER-BEFORE LIMIT</div>		68.26
Before	<div><div></div></div>		7.737	Before	<div><div></div></div>		8.128	Before	<div><div></div></div>		72.21
7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)				7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)				55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			
Phase	LSW2 Background CPS		Value	Phase	LSW3 Background CPS		Value	Phase	LSW4 Background CPS		Value
Master	<div><div></div></div>		60.94	Master	<div><div></div></div>		138.7	Master	<div><div></div></div>		175.2
Before	<div><div></div></div>		63.29	Before	<div><div></div></div>		139.1	Before	<div><div></div></div>		171.4
50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)				110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)				140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)			
Phase	LSW5 Background CPS		Value	Phase	SSW1 Background CPS		Value	Phase	SSW2 Background CPS		Value
Master	<div><div></div></div>		408.6	Master	<div><div></div></div>		65.23	Master	<div><div></div></div>		113.8
Before	<div><div></div></div>		399.1	Before	<div><div></div></div>		67.17	Before	<div><div></div></div>		116.6
330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)				55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)				100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)			
Phase	SSW3 Background CPS		Value	Phase	SSW4 Background CPS		Value	Phase	SSW5 Background CPS		Value
Master	<div><div></div></div>		315.9	Master	<div><div></div></div>		170.4	Master	<div><div></div></div>		123.7
Before	<div><div></div></div>		311.7	Before	<div><div></div></div>		168.7	Before	<div><div></div></div>		120.6
280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)				150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)				110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)			
Master: Calibration out of date 17-Apr-2023 16:17									Before: 9-Sep-2023 0:44		

Litho-Density Spectroscopy Cartridge – B / Equipment Identification

Primary Equipment:

LDSC Cartridge

LDSC – B

295

Auxiliary Equipment:

LDSC Housing

LDSh – A

333

# Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:  
HNGC Cartridge

HNGC – B 300

Auxiliary Equipment:  
HNGC Housing

HNGH – A 115

# Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:  
HNGS Sonde














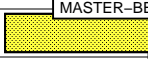
HNGS – BA 177

Auxiliary Equipment:  
HNGS Sonde Housing  
Gamma Source Radioactive

HNSH – BA 174  
GSR – U 135

## Hostile Natural Gamma Ray Sonde Wellsite Calibration

### Detector 1 Check















Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		38.56	Master		16.82	Master		1206
Before		39.64	Before		14.84	Before		1168
	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		139.2	Master		9.087	Master		26.64
Before		143.3	Before		7.709	Before		11.69
	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		47.40						
Before		12.89						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: Calibration out of date 19-Apr-2023 20:22

Before: Calibration out of date 13-Jun-2021 10:44


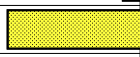
## Hostile Natural Gamma Ray Sonde Wellsite Calibration

### Detector 2 Check

Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.72	Master		15.41	Master		1089
Before		39.51	Before		15.27	Before		1090
	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		142.9	Master		8.753	Master		25.53
Before		140.8	Before		9.507	Before		12.30
	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		47.70						
Before		13.60						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							

Master: Calibration out of date 19-Apr-2023 20:22


Before: Calibration out of date 13-Jun-2021 10:44

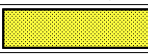


Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9913
Before		0.9527

0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: Calibration out of date 19-Apr-2023 20:22		
Before: Calibration out of date 13-Jun-2021 10:44		

### Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:		
EDTC Gamma Ray Detector	EDTG – A/B	79159
Enhanced DTS Cartridge	EDTC – B	8081
Auxiliary Equipment:		
EDTC Housing	EDTH – B	8226

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.844
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: 31-Aug-2023 8:28		

Enhanced DTS Cartridge Wellsite Calibration											
Detector Calibration											
Phase	Gamma Ray Background GAPI		Value	Phase	Gamma Ray (Jig – Bkg) GAPI		Value	Phase	Gamma Ray (Calibrated) GAPI		Value
Before			1.703	Before			113.5	Before			165.0
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		103.1 (Minimum)	113.5 (Nominal)	123.8 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)
Before: Calibration out of date 4-May-2022 21:05											

Company: **International Ocean Discovery Program**

**Schlumberger**

Well: **Expedition 400, Site U1604B**  
Field: **NW Greenland Glaciated Margin**  
Rig: **JOIDES Resolution**  
Country: **Greenland**

HNGS, HLDS, HRLA, DSI, MSS  
Gamma, Density, Resistivity, Sonic, Mag