



Well: **Expedition 401, Site U1610A**
Field: **Mediterranean–Atlantic Gateway Exchange**
Rig: **JOIDES Resolution** Country: **Portugal**

Rig:	JOIDES Resolution	HNGS, HLDS, HRLA, DSI Gamma, Density, Resistivity, Sonic			
Field:	Mediterranean-Atlantic Gateway				
Location:	Latitude: N 36° 41.9812'	LOCATION	Latitude: N 36° 41.9812'		Elev.: K.B. 0.00 m
Well:	Expedition 401, Site U1610A		Longitude: W 07° 25.8844'		G.L. -567.40 m
Company:	International Ocean Discovery Program				D.F. 0.00 m
			Permanent Datum: Sea Floor		Elev.: -567.40 m
			Log Measured From: Rig Floor		567.40 m above Perm. Datum
			Drilling Measured From: Rig Floor		
		Ocean: Atlantic Ocean	Max. Well Deviation 0 deg		Longitude W 07° 25.8844'
					Latitude N 36° 41.9812'

Logging Date			11-Jan-2024					
Run Number			1					
Depth Driller			2006.1 m					
Schlumberger Depth			1292 m					
Bottom Log Interval			1292 m					
Top Log Interval			550 m					
Casing Driller Size @ Depth			0.000 in @ 0 m			@		
Casing Schlumberger			0 m					
Bit Size			9.875 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	2.607 @ -18	@ -18		@		@	
Maximum Recorded Temperatures			-18 degC					
Circulation Stopped		Time	10-Jan-2023		21:00			
Logger On Bottom		Time	11-Jan-2024		19:15			
Unit Number	Location	627314	Larose, LA					
Recorded By			K. Garrett					
Witnessed By			B. Rhinehart					

[illegible]






[illegible]








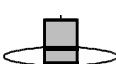

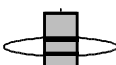


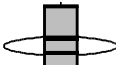

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OTHER SERVICES1 OS1: FMS OS2: VSI OS3: MSS OS4: OS5:			OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:		
REMARKS: RUN NUMBER 1			REMARKS: RUN NUMBER 2		
Hole drilled with RCB bottom hole assembly (BHA) using bit at 9.875" BS					
TD (Driller) 2006.1mbrf					
Drill pipe set at 1084m					
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 was turned on at 1145m which was ~14m past end of pipe.					
Caliper closed prior to entering the pipe on main pass and logged to above SF.					
Had trouble exiting pipe and didnt was to lose momentum.					
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

EQUIPMENT DESCRIPTION				RUN 1	RUN 2
SURFACE EQUIPMENT					
GSR-U 135 WITM (EDTS)-A					
DOWNHOLE EQUIPMENT					
LEH-PT			47.19		
AH-233	MDSB_EDTC		45.44	46.25	
AH-369	Mud Tempe		44.37		
	CTEM		43.80	45.88	
EDTC-B	Gamma Ray		45.44		
EDTH-B 8528	EFTB DIAG		43.46		
	TelStatus				
	EDTCB Ele				

HNGS-B HNGS-BA 177 HNSH-BA 174	Upper_1 Lower_2		42.76 42.55	43.46
HNGC-B	HNGC Stat		40.43	40.96
LDSC-B	LDSC Stat		39.36	39.89
HLDS HLDV-D 67 HLDS-D 77 GSR-ZA 2945 HLDP-C 83 HEH-H 67	Caliper SS LS Status		34.77	38.83
AH-184				34.01
AH-ECH-MRA AH-ECH-MRA 5714				33.40
AH-184				30.51
AH-MCD AH-MCD 82				29.90
HRLT-B HRUH-B 975 HRUC-B 964 HRLS-B 768 HRLH-B 1869 HRLC-B 1897 AH-270 1708	High Res.		24.03	27.62
AH-MCD2 AH-MCD2 12				20.24
DSST-B SPAC-B 8194 ECH-SD 8183 SMDR-BD 8232 SSIJ-BA 8192 SMDX-AA 8194				17.96
	PWF		2.42	
AH-MCD3 AH-MCD3 22				2.42
BNS-STD	DF ACCZ Tension HV		0.00	0.14
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 401, Site U1610A

Input DLIS Files

DEFAULT Flip_DSI_HRLA_LDL_014LUP PRODUCER 12-Jan-2024 20:26 1280.6 M 507.5 M

Output DLIS Files

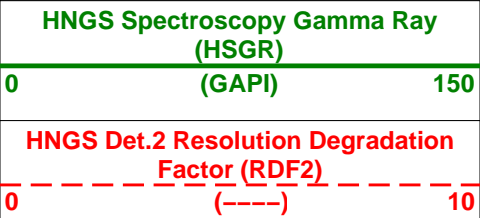
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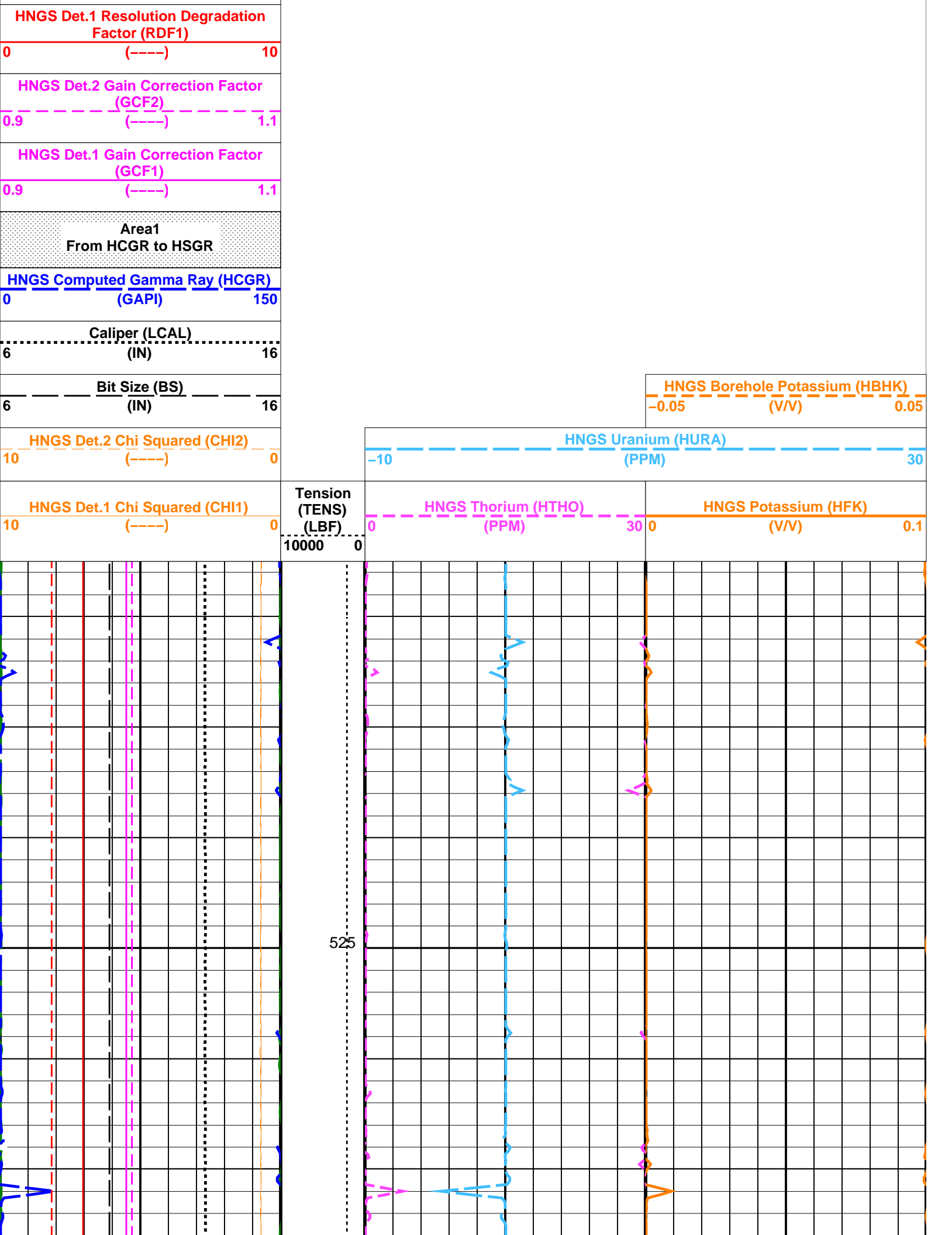
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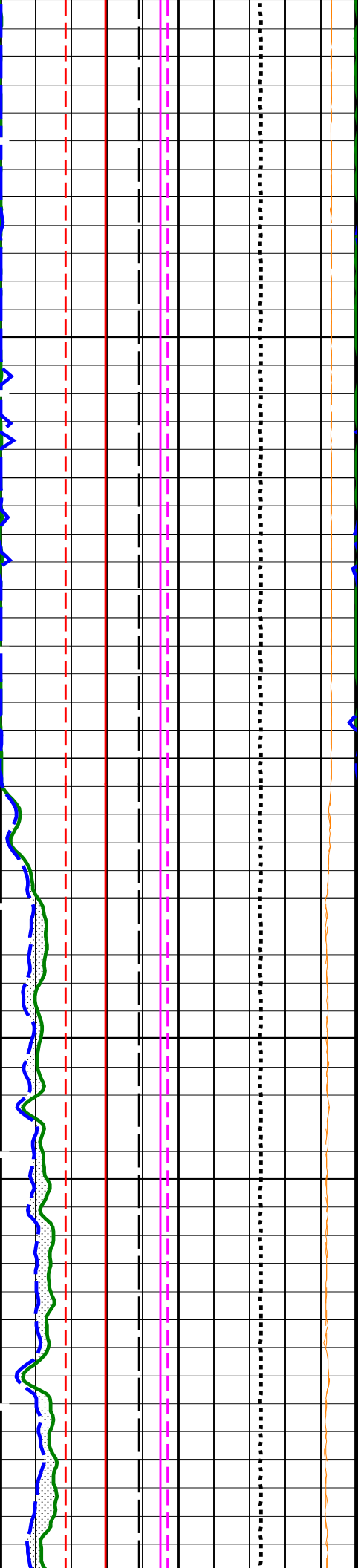
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HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

PIP SUMMARY

Time Mark Every 60 S

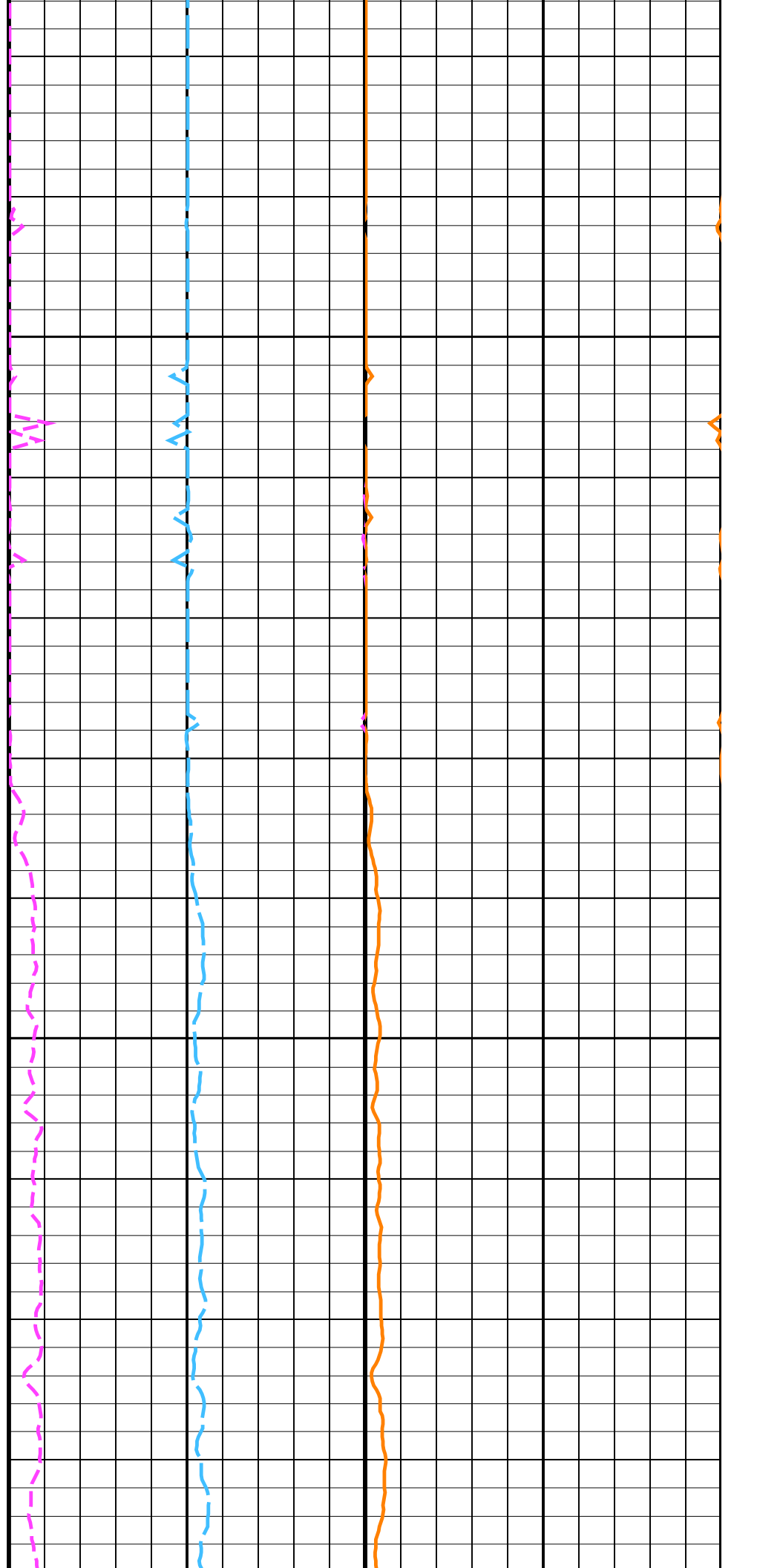


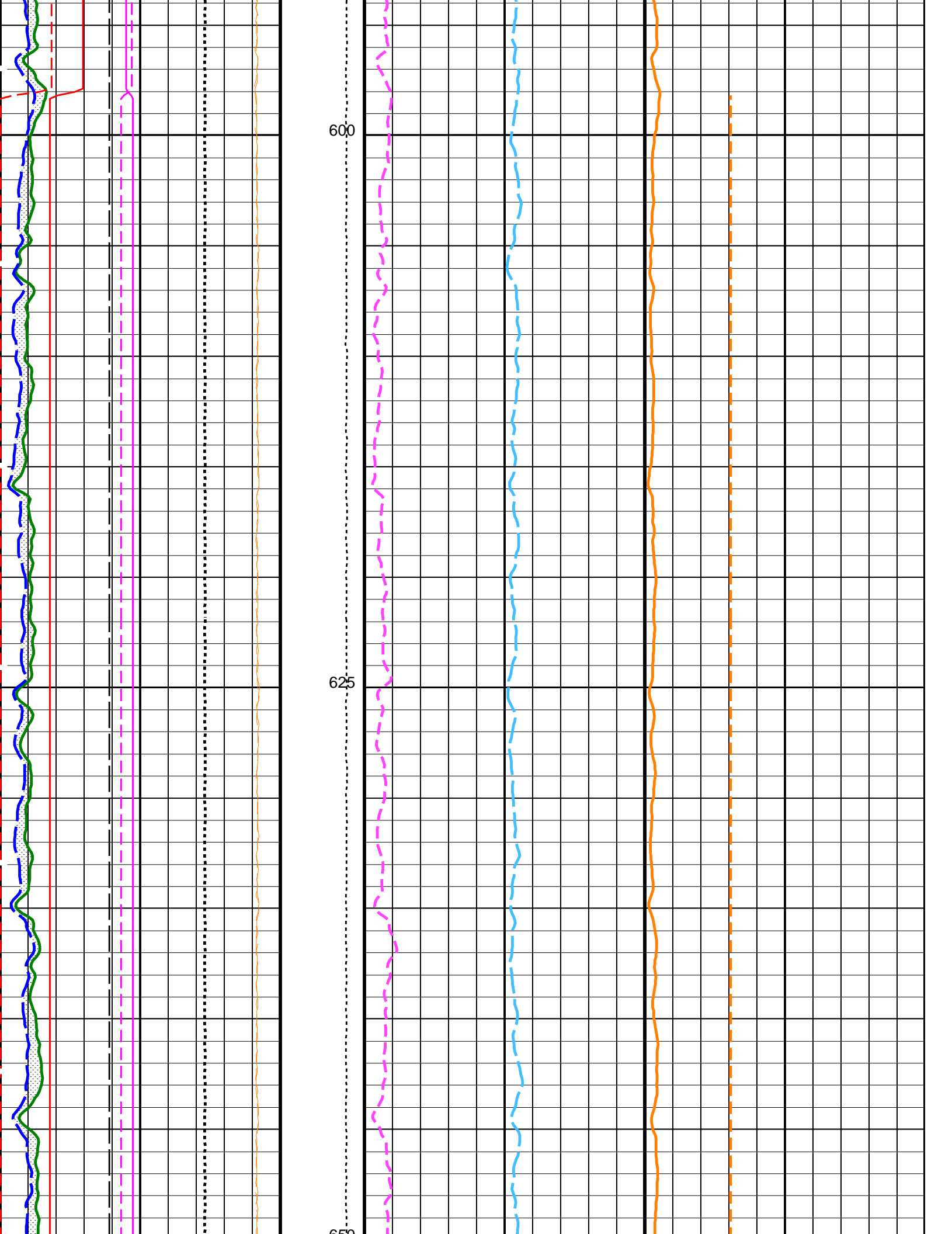


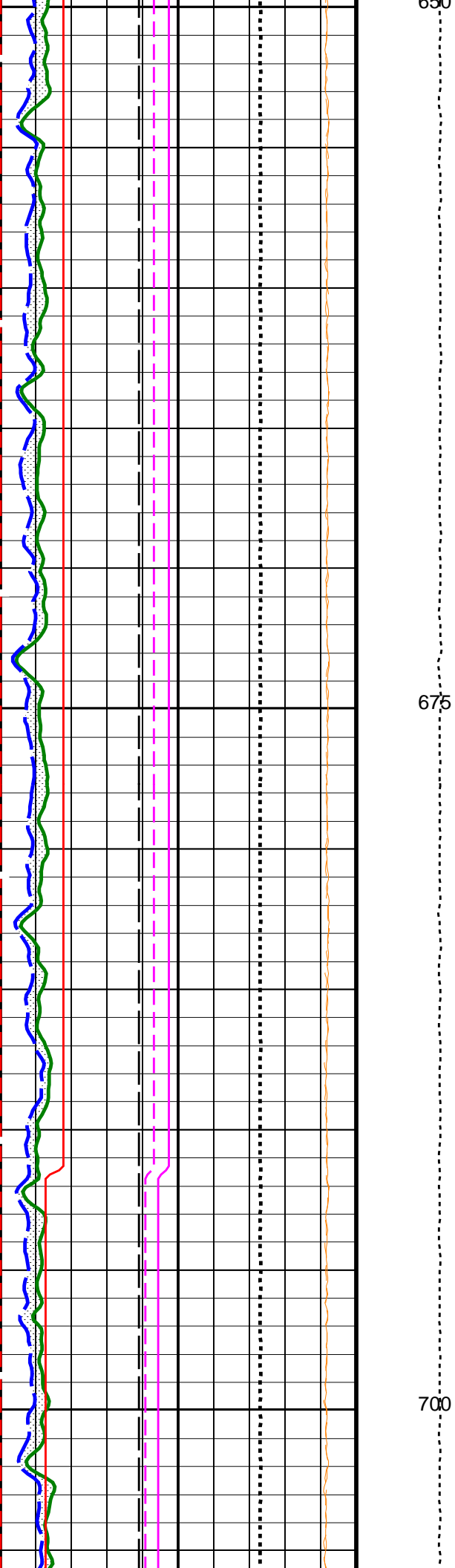


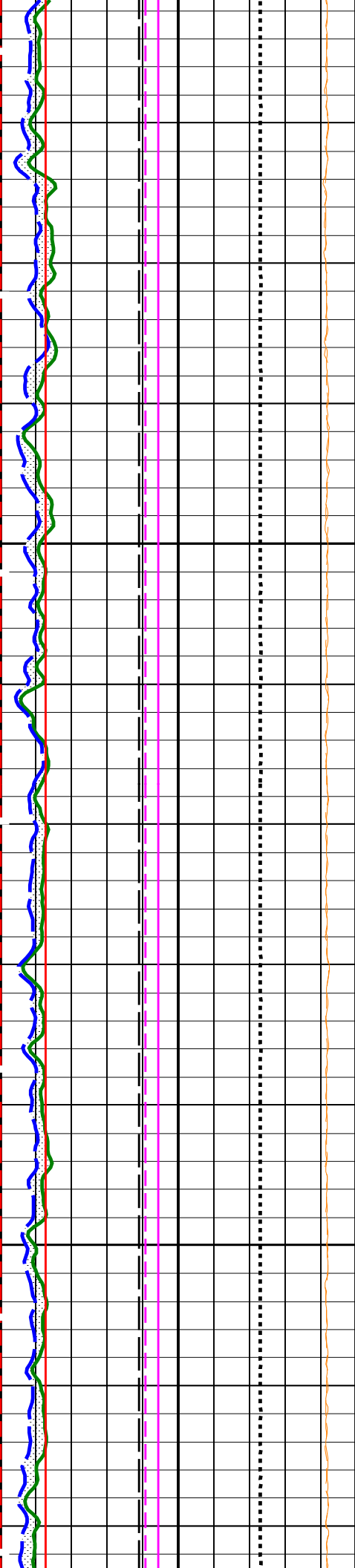
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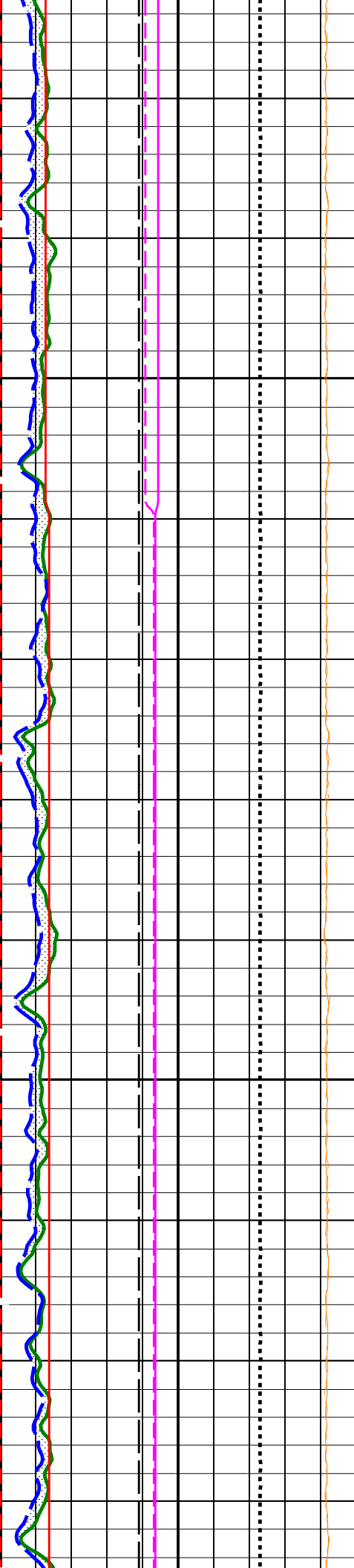




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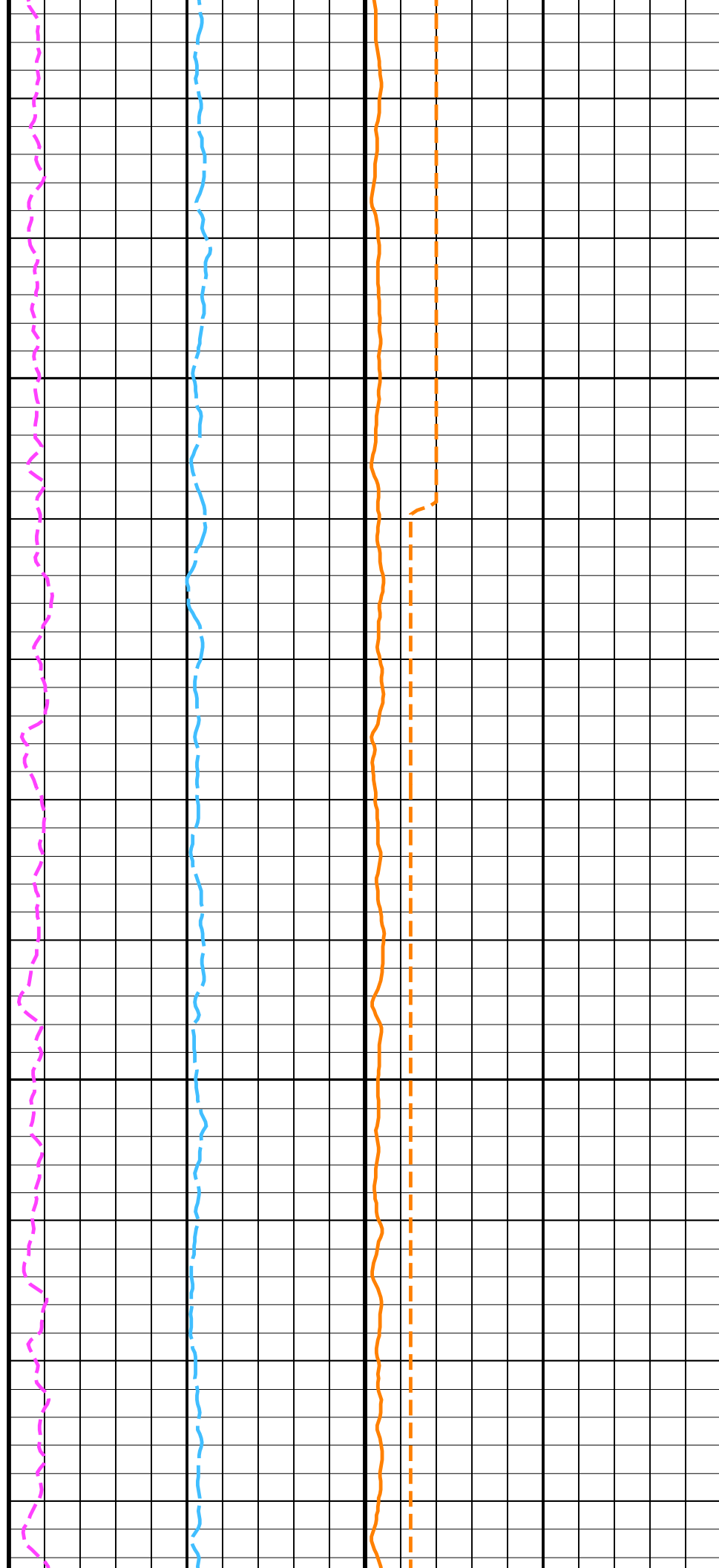
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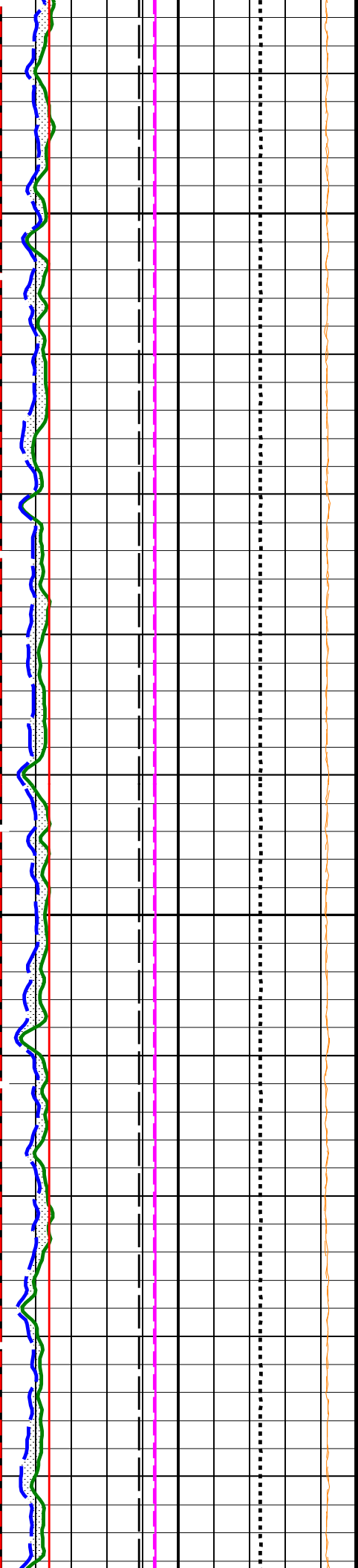




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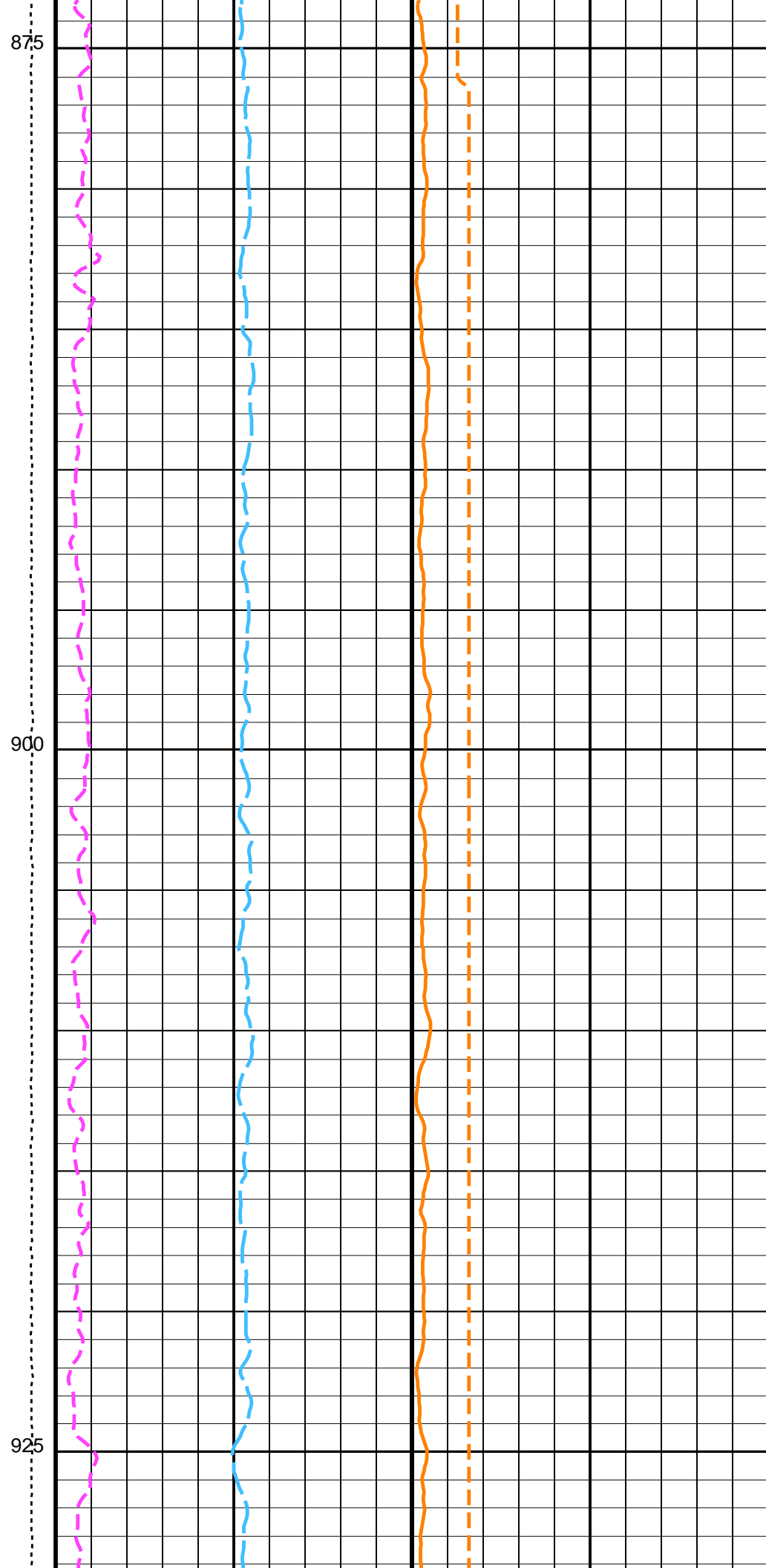
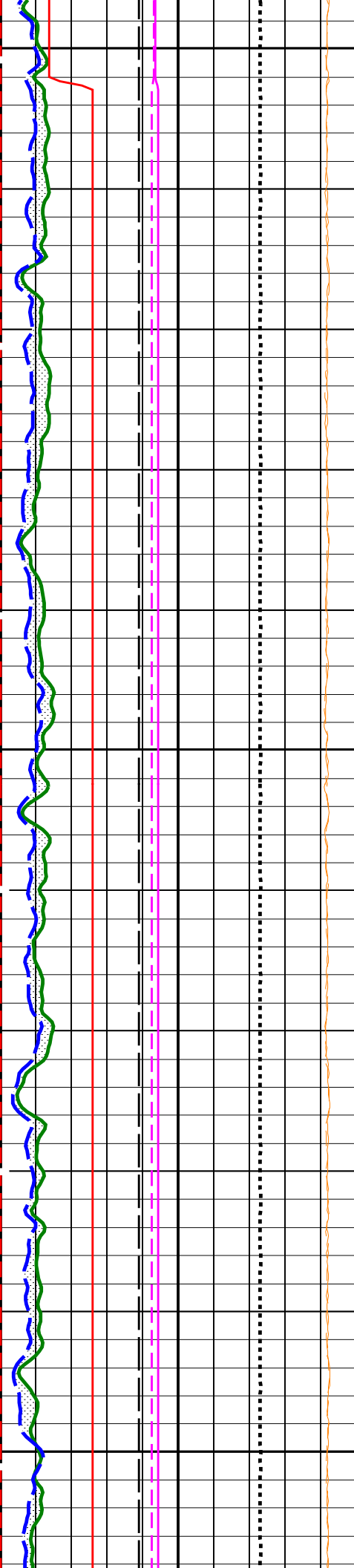


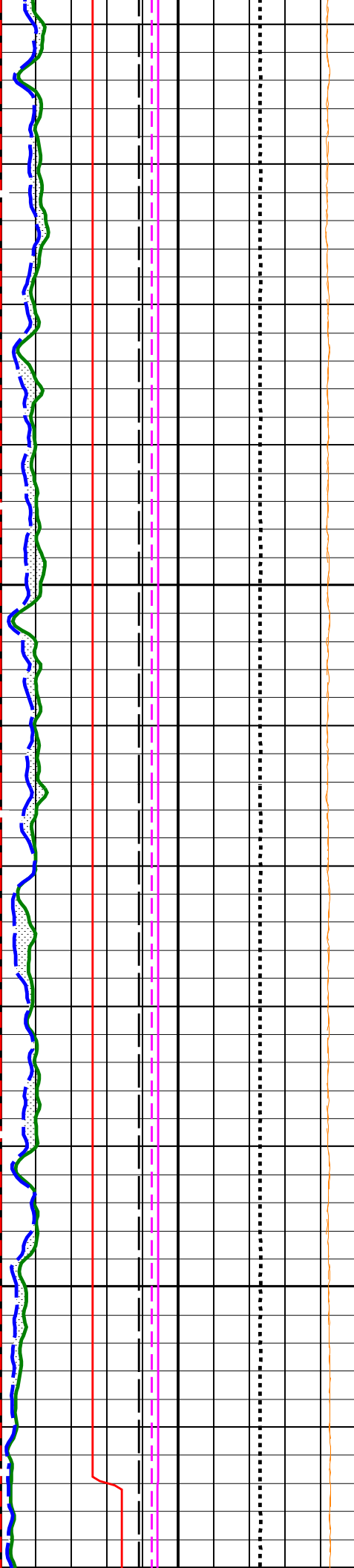


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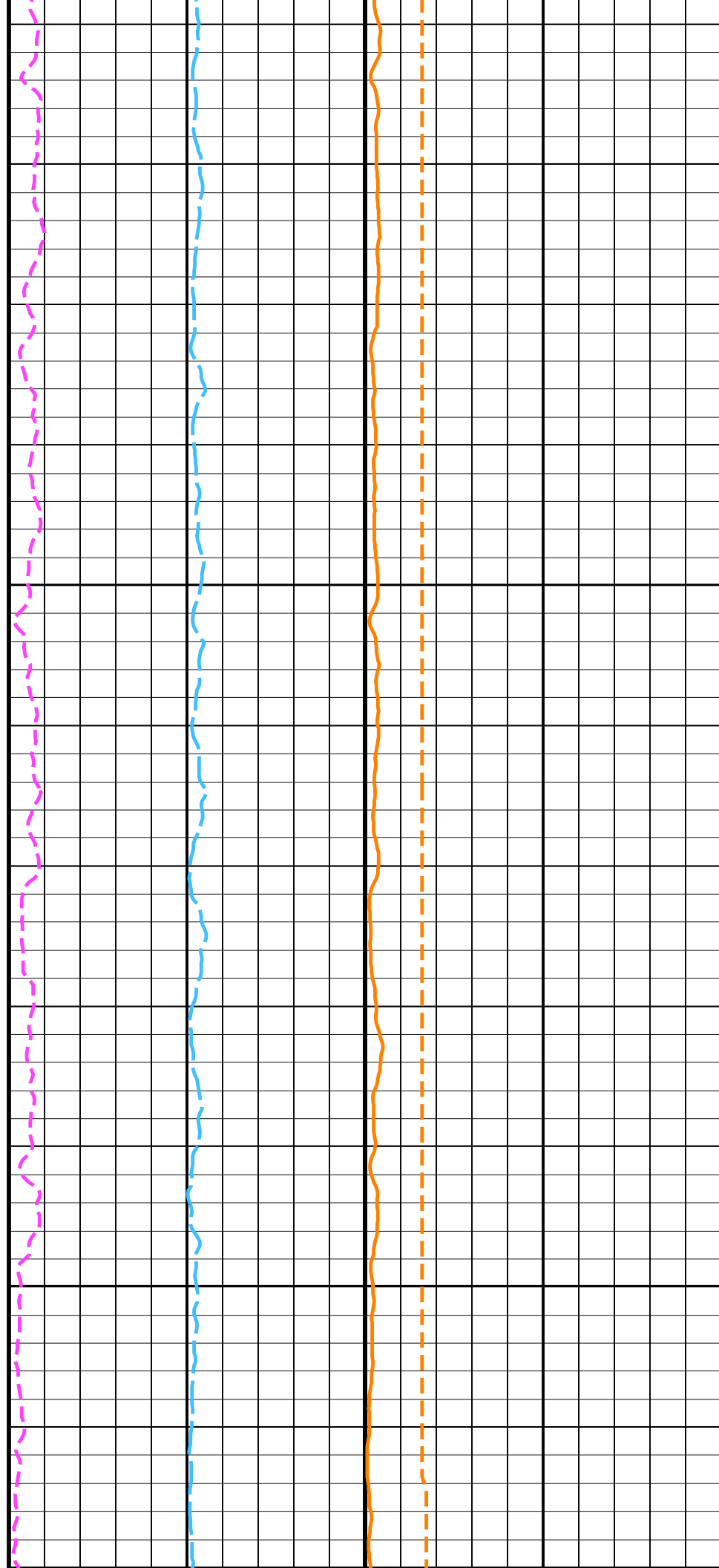


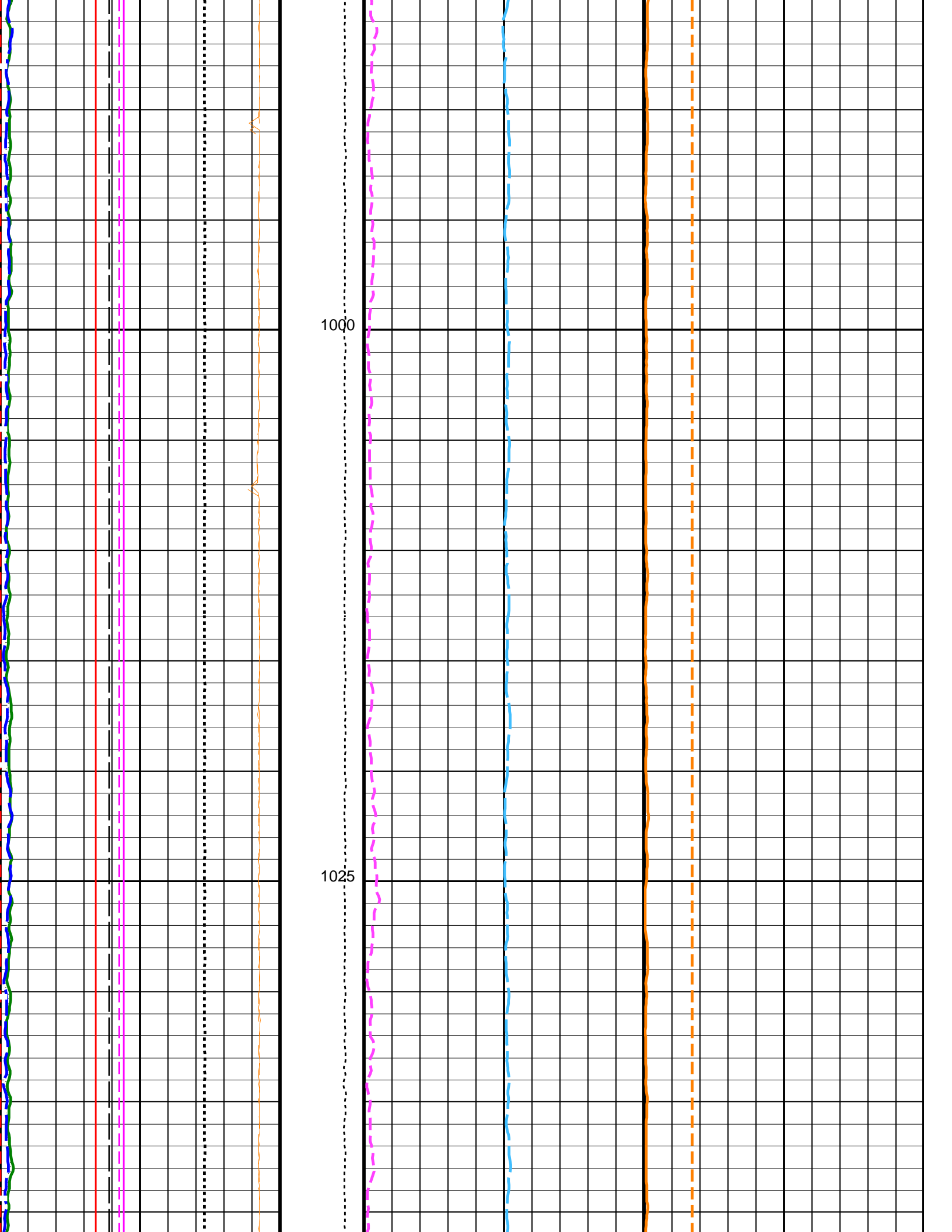


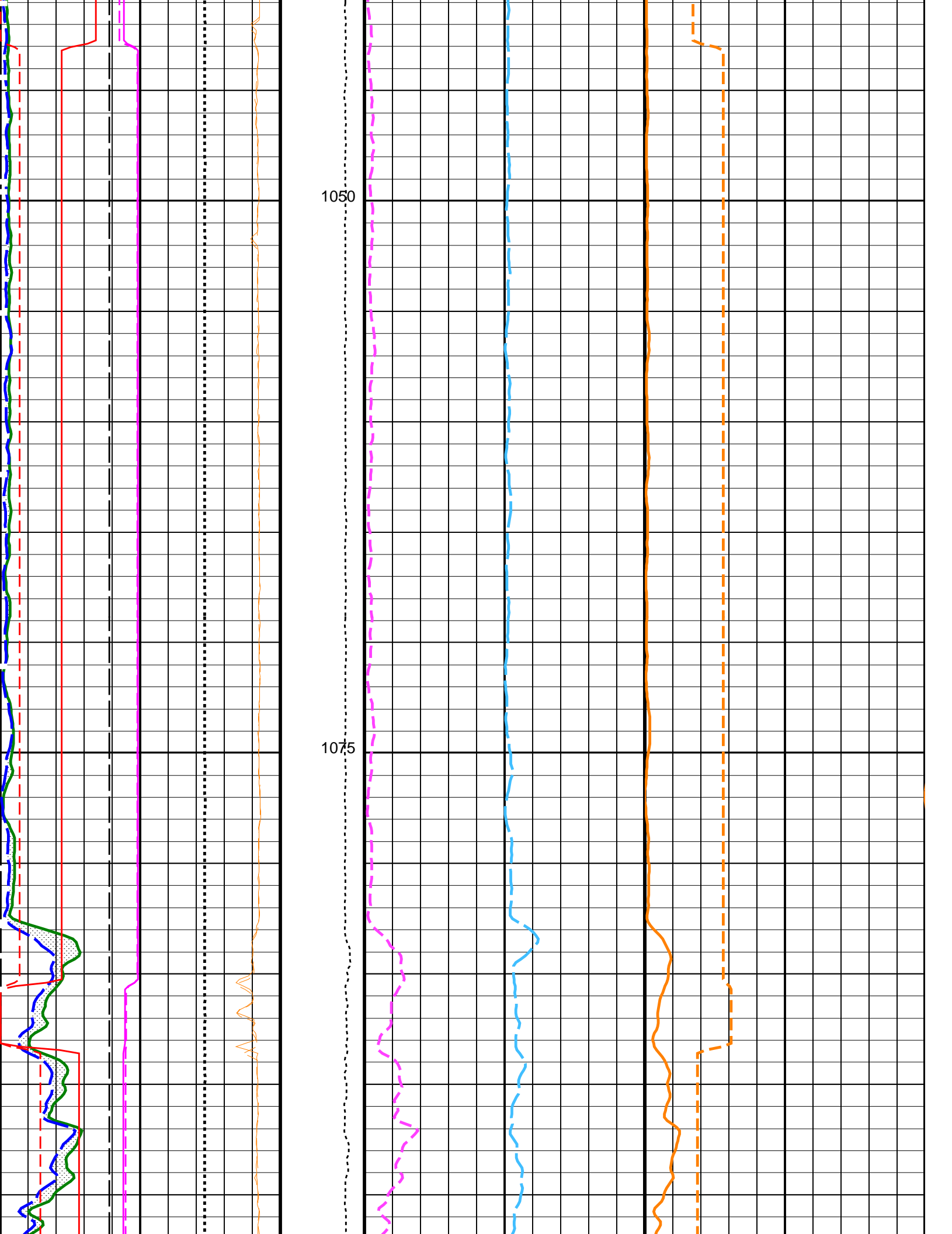


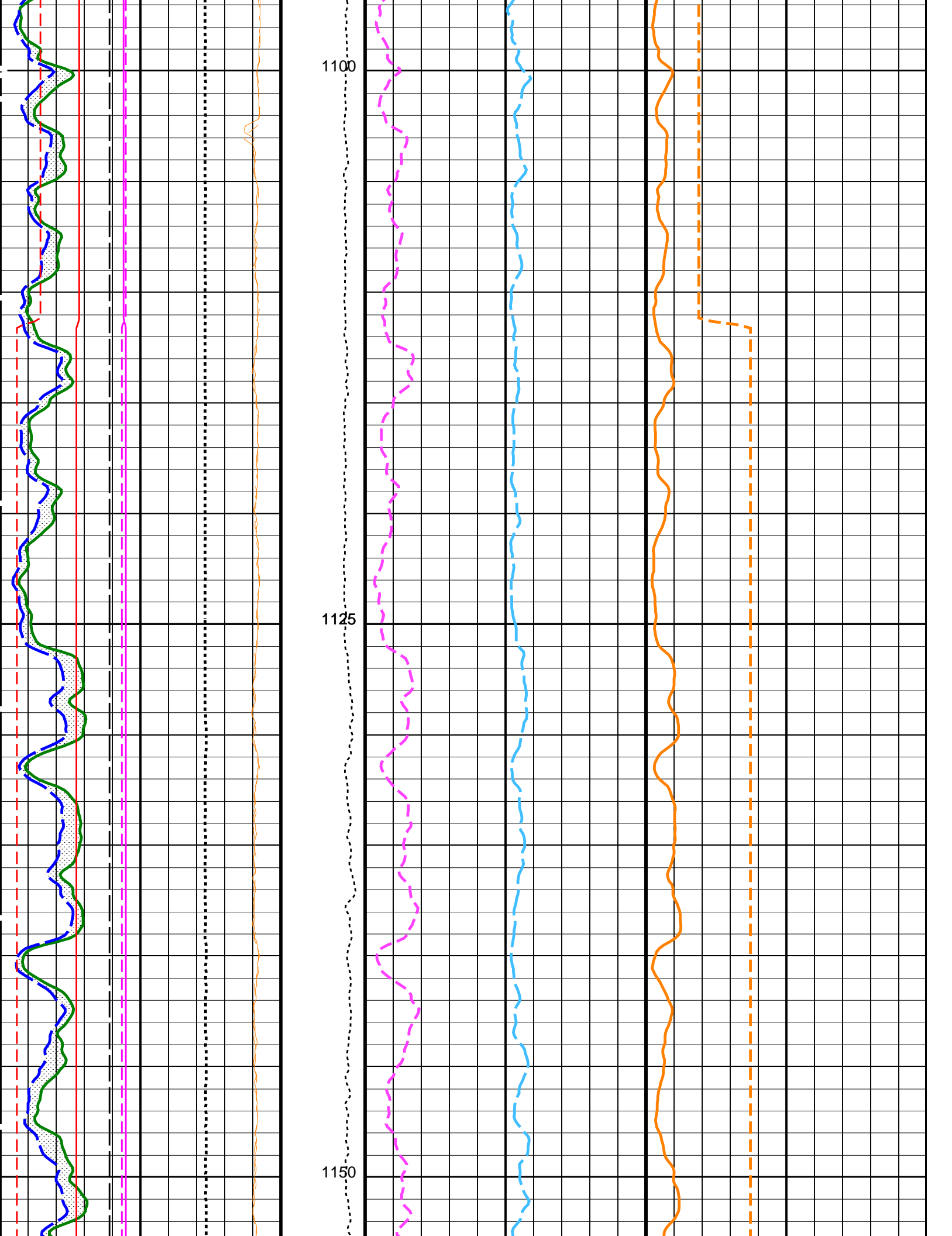
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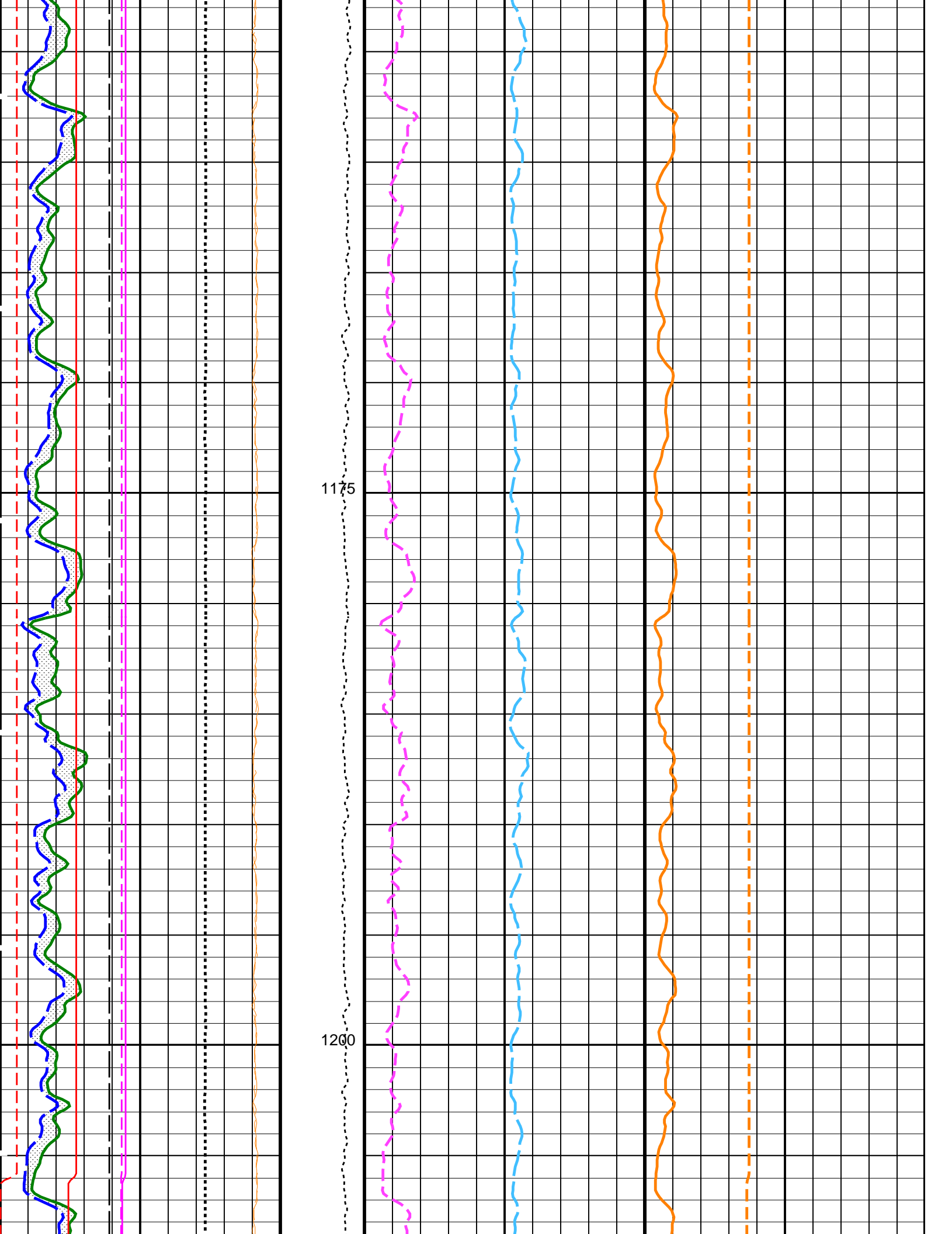
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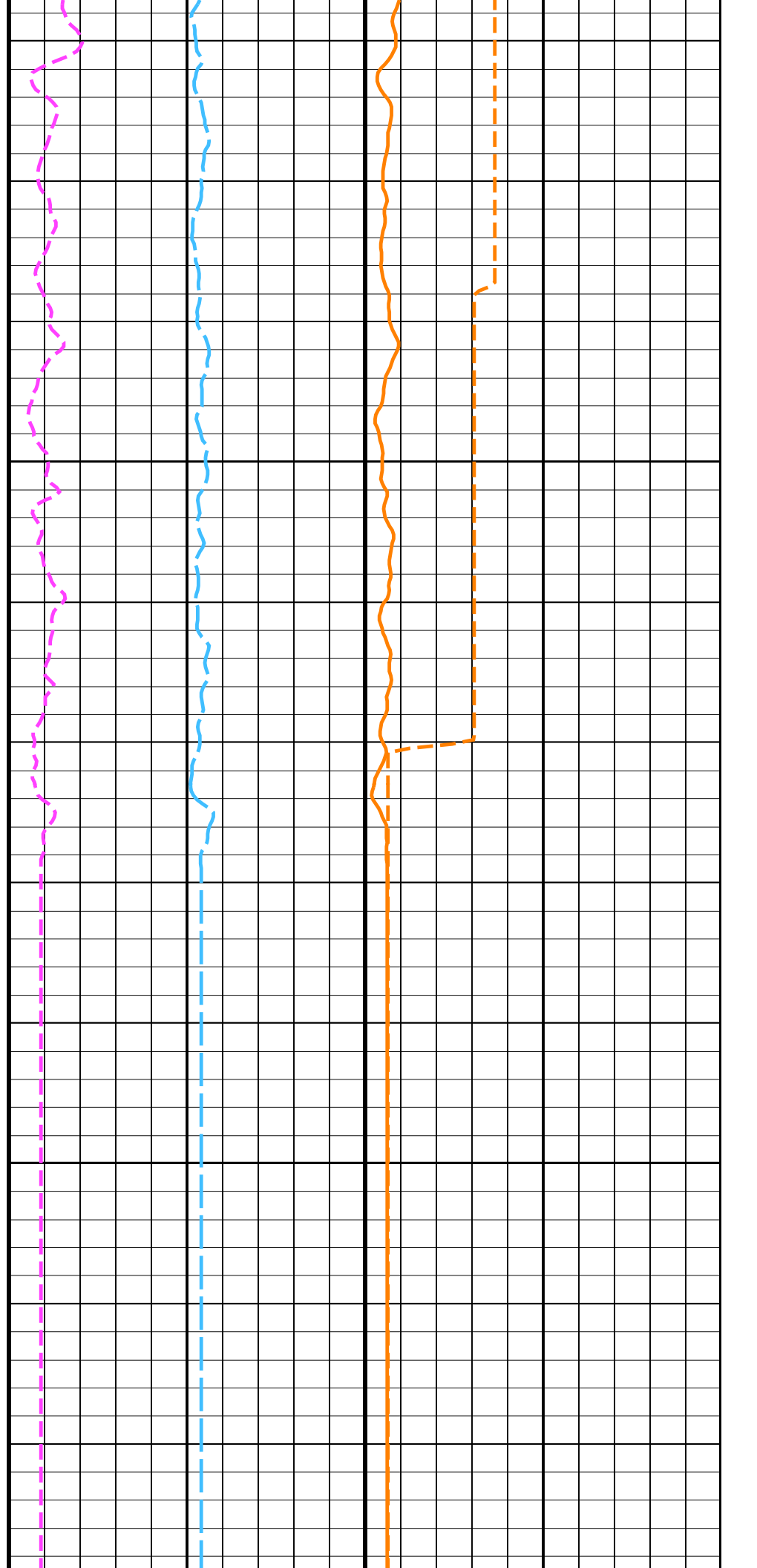
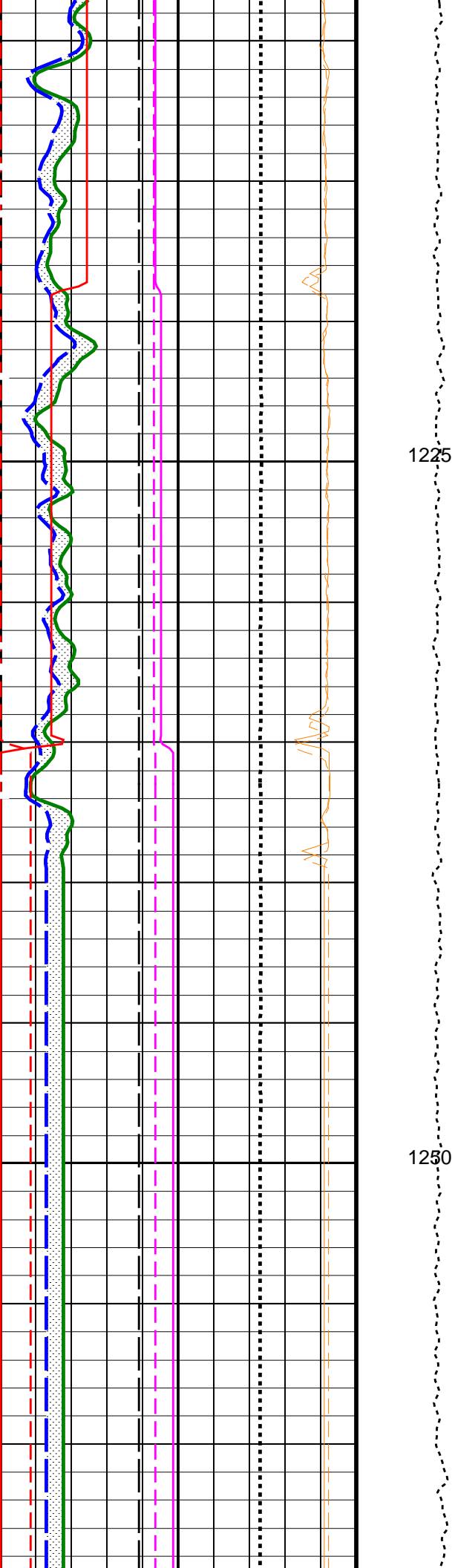


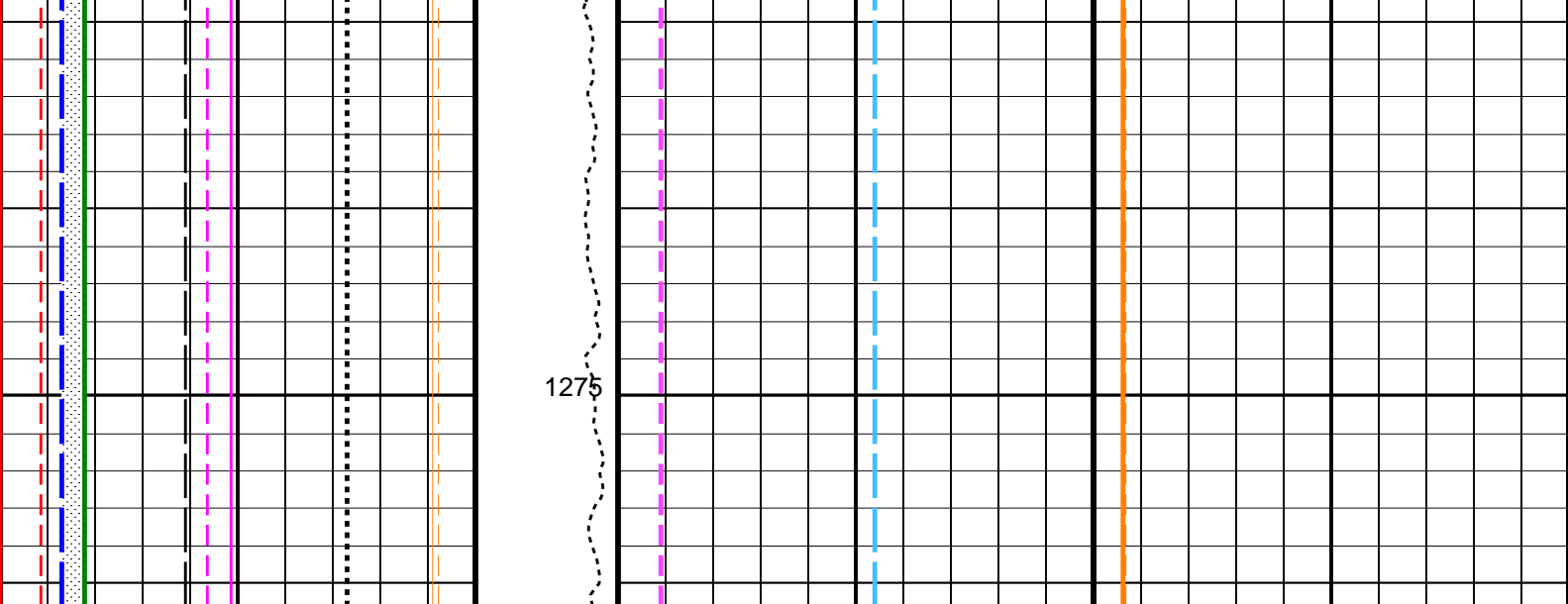












HNGS Det.1 Chi Squared (CHI1) 10 (----) 0		Tension (TENS) (LBF) 10000 0	HNGS Thorium (HTHO) (PPM) 0 30		HNGS Potassium (HFK) (V/V) 0 0.1	
HNGS Det.2 Chi Squared (CHI2) 10 (----) 0			HNGS Uranium (HURA) (PPM) -10 30			
Bit Size (BS) (IN) 6 16			HNGS Borehole Potassium (HBHK) (V/V) -0.05 0.05			
Caliper (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						
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) (GAPI) 0 150						

PIP SUMMARY

 Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
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DSST-B: Dipole Shear Imager - B		
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	LCAL
HRLT-B: High Resolution Laterolog Array - B		

BHS	HRLT-B: High Resolution Laterolog Array - B	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	-0.0338331	
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	1.04807	
VBA2		HNGS Detector 2 Variable Barite Factor Running Average	0.968602	
	EDTC-B: Enhanced DTS Cartridge			
BHS		Borehole Status	OPEN	
GCSE		Generalized Caliper Selection	LCAL	
	System and Miscellaneous			
BS		Bit Size	9.875	IN
DO		Depth Offset for Playback	0.0	M
PP		Playback Processing	NORMAL	

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Vertical Scale: 1:200
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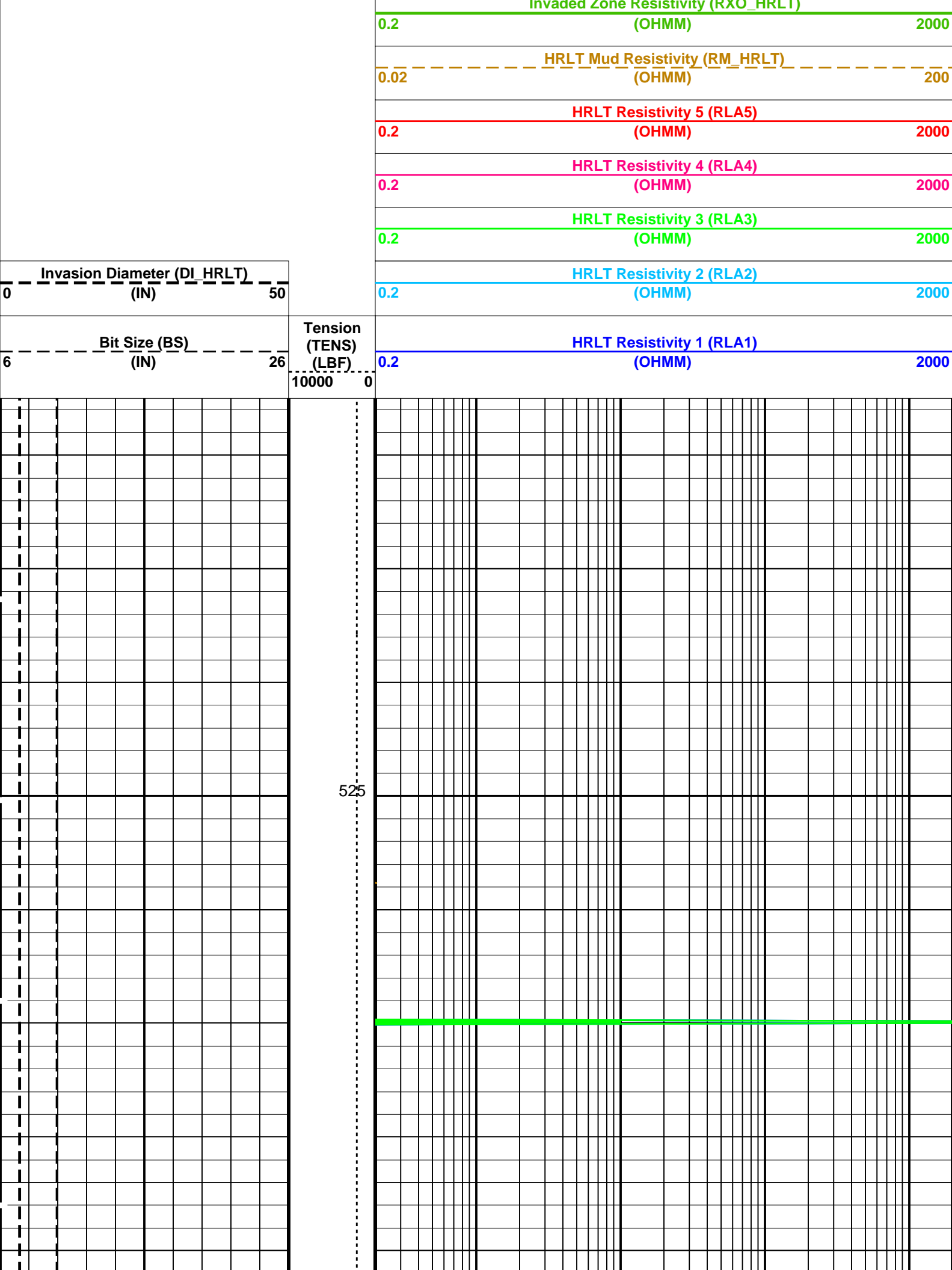
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DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

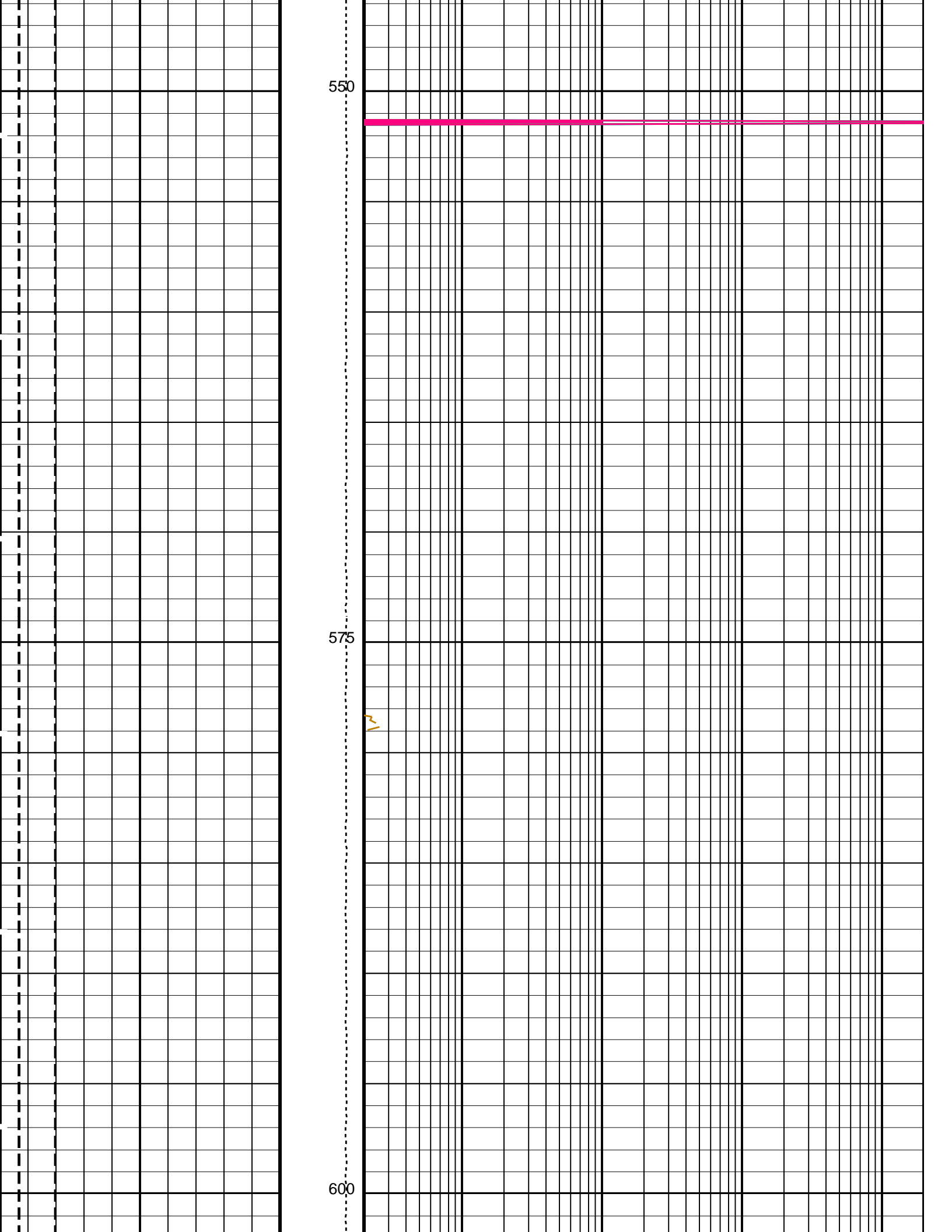
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Output DLIS Files					
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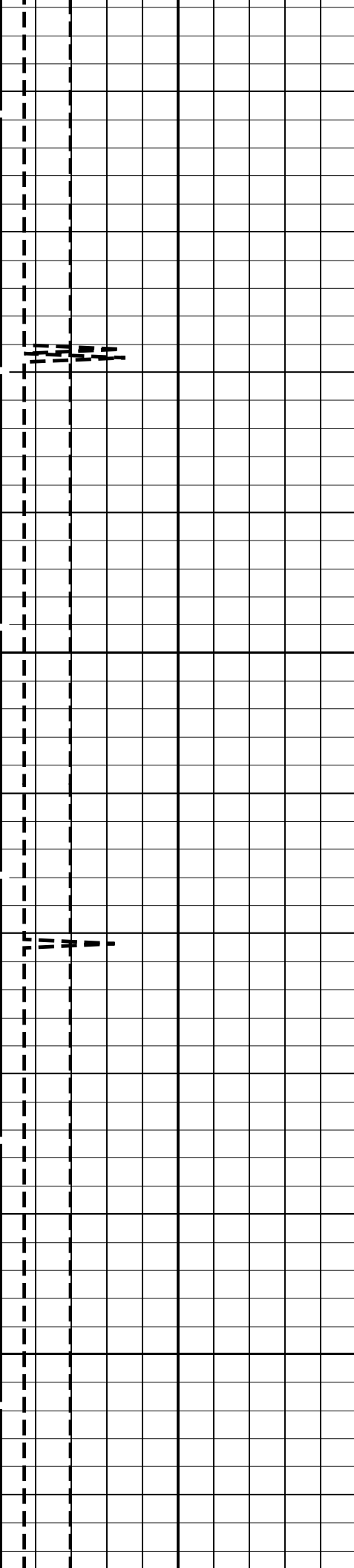
Company: International Ocean Discovery Program
Well: Expedition 401, Site U1610A

Input DLIS Files					
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Output DLIS Files					
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OP System Version: 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	
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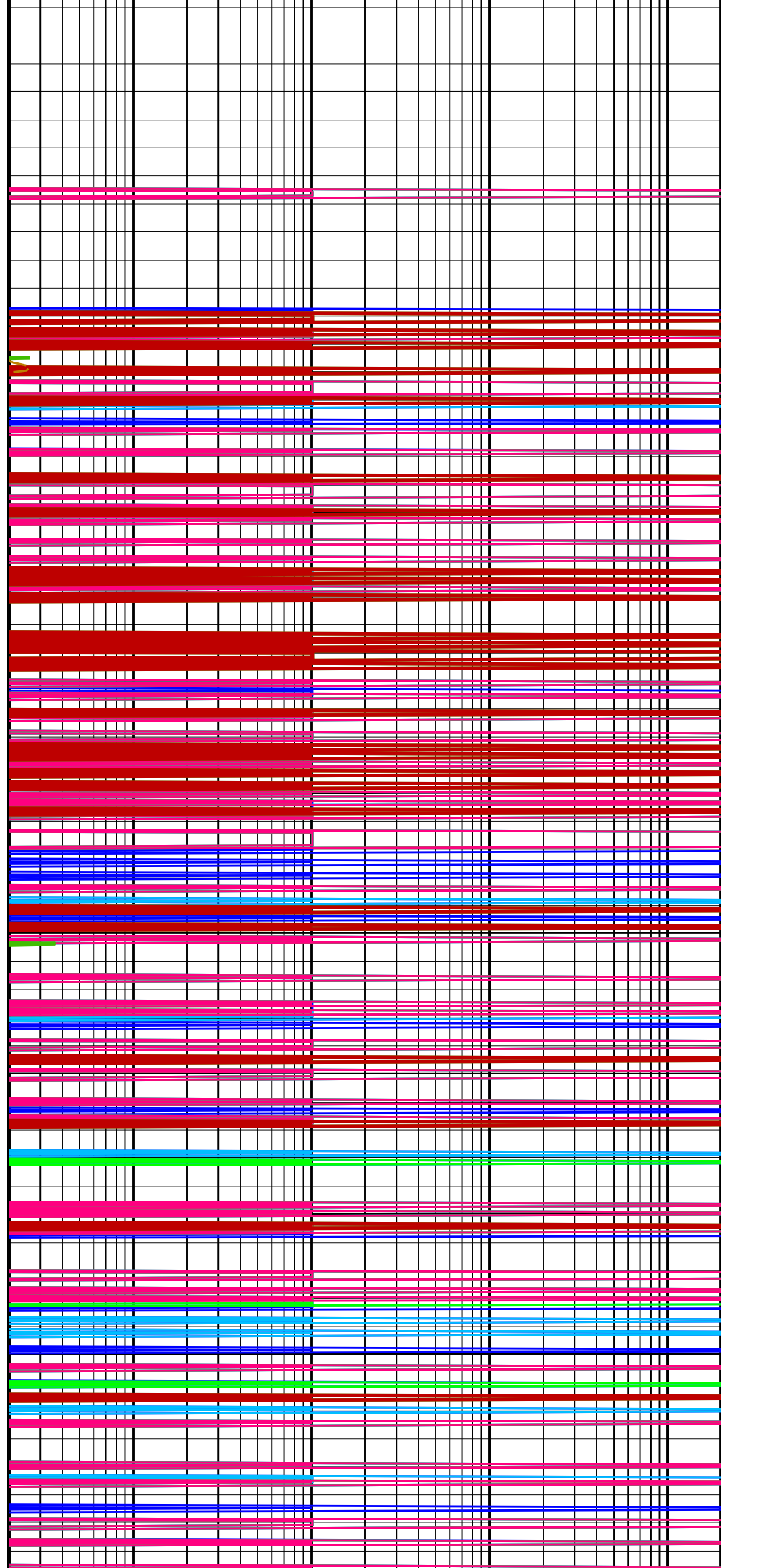


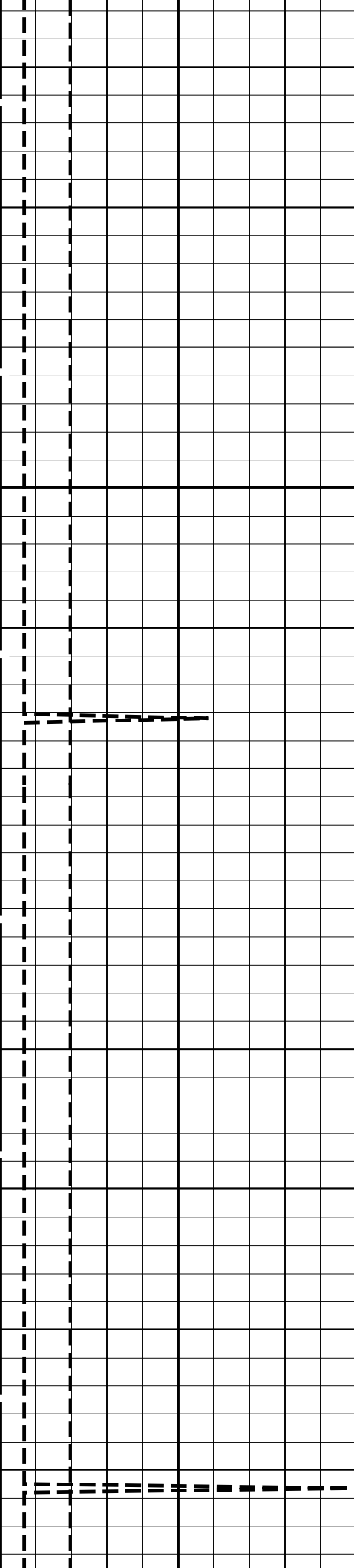




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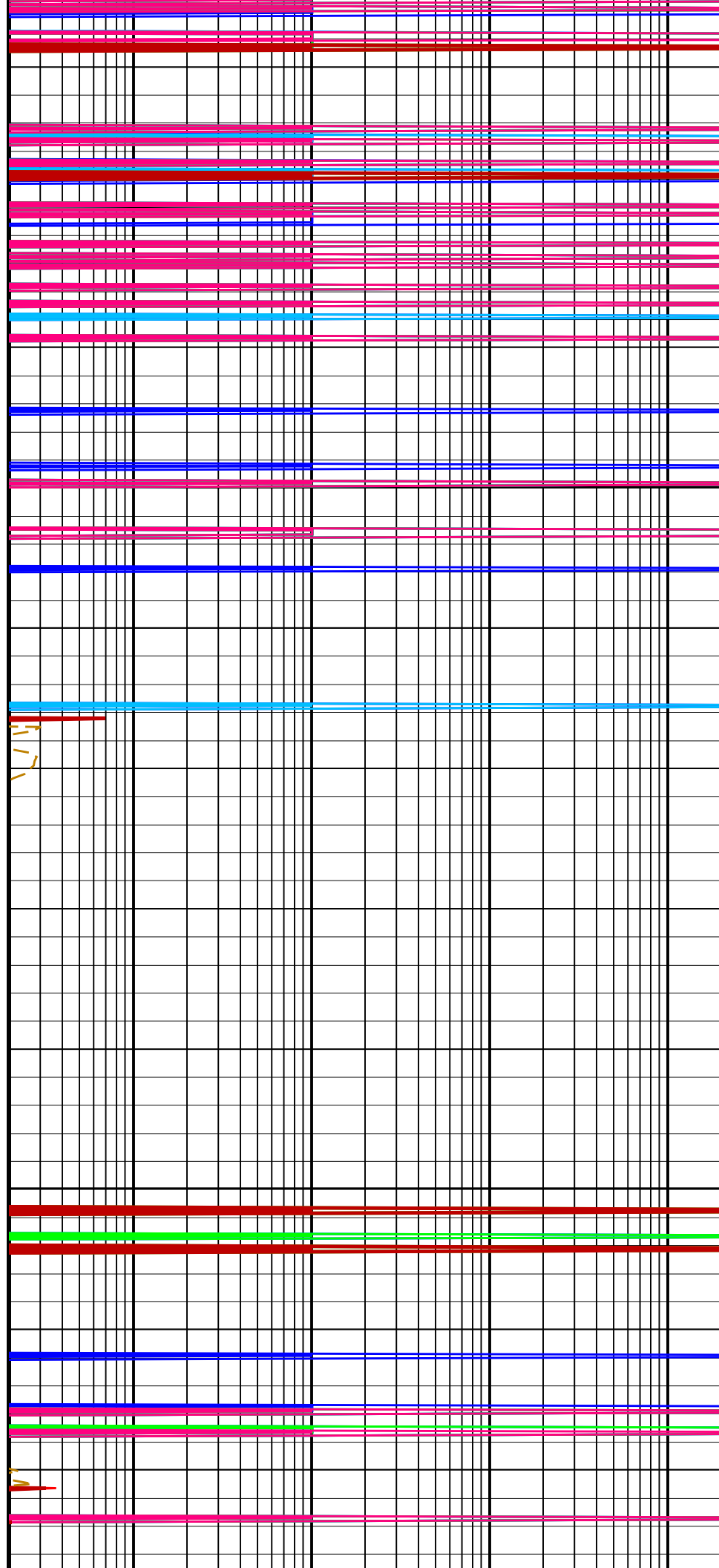
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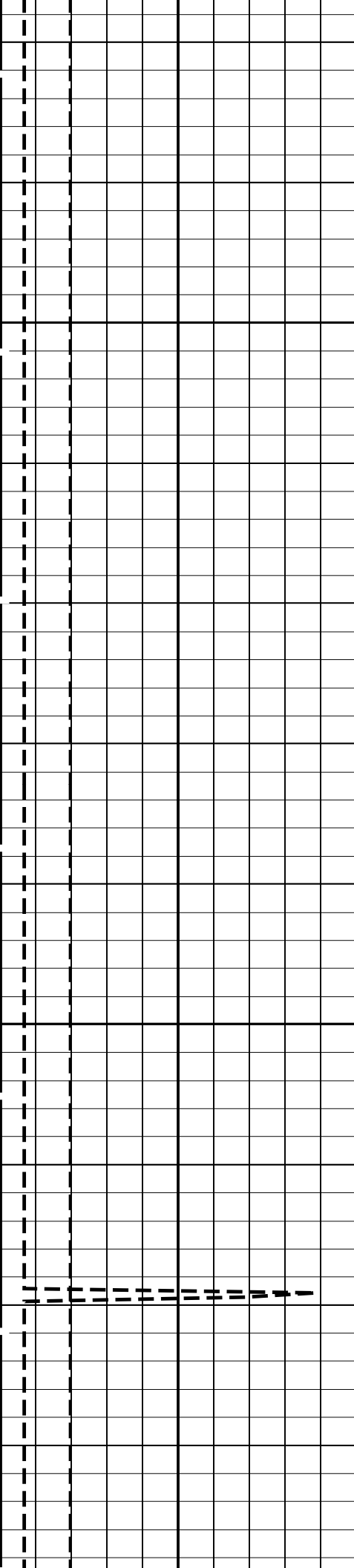




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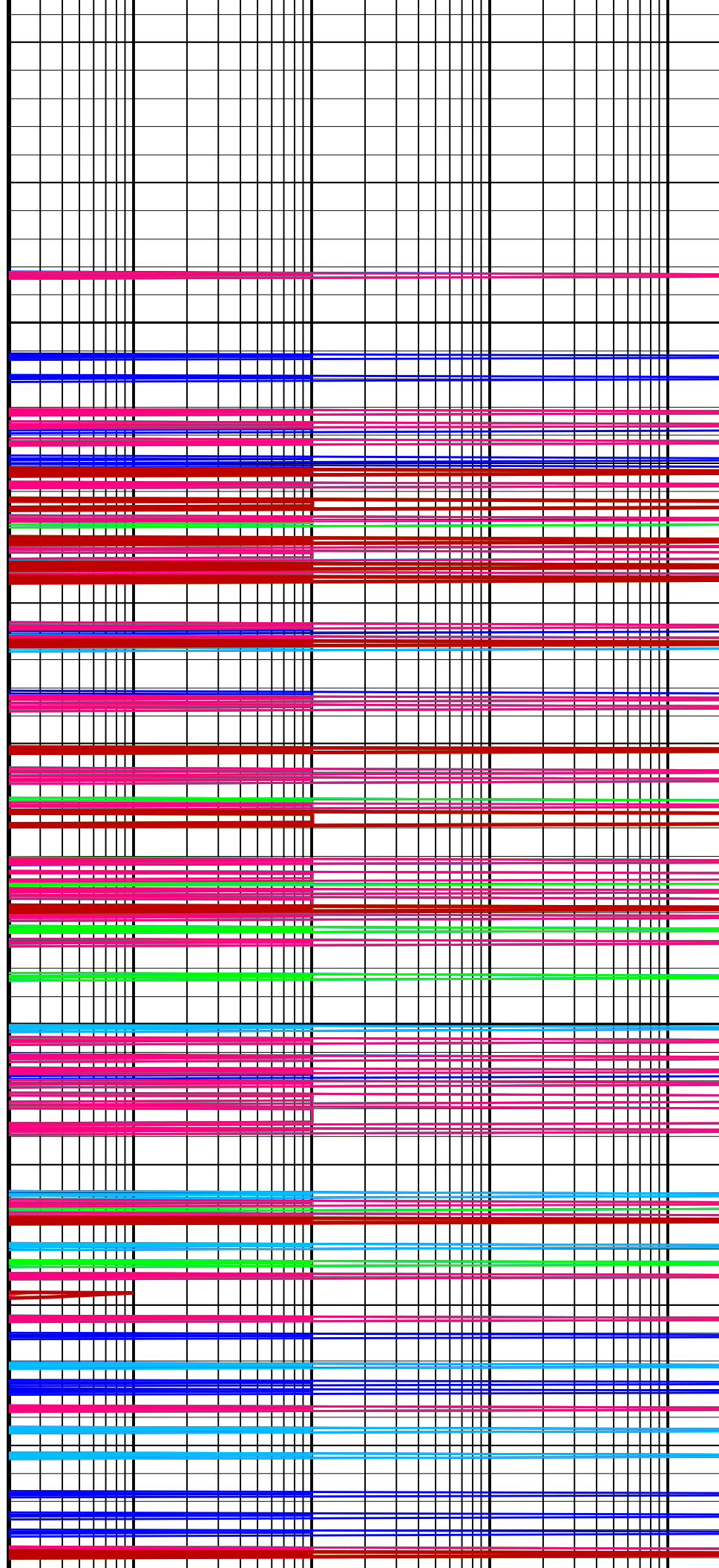
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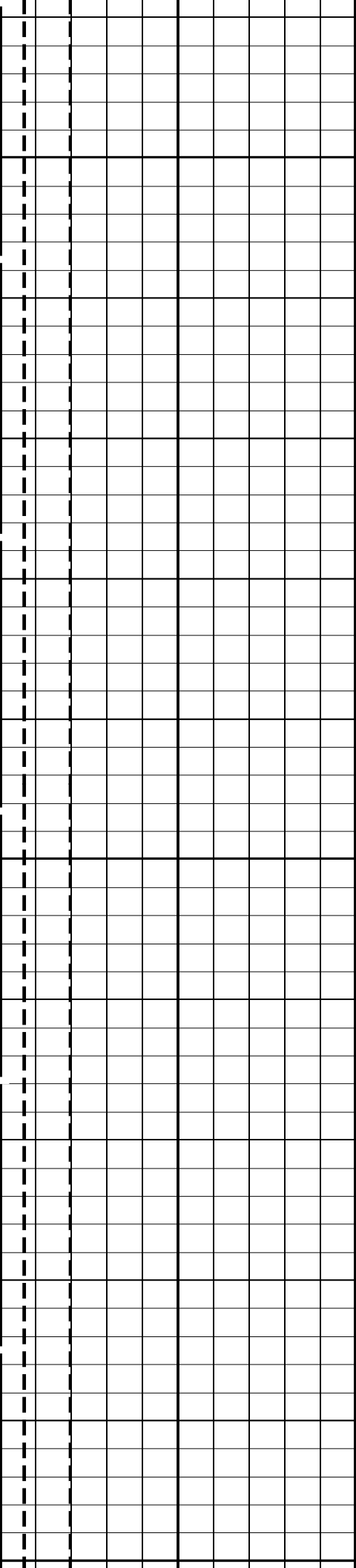




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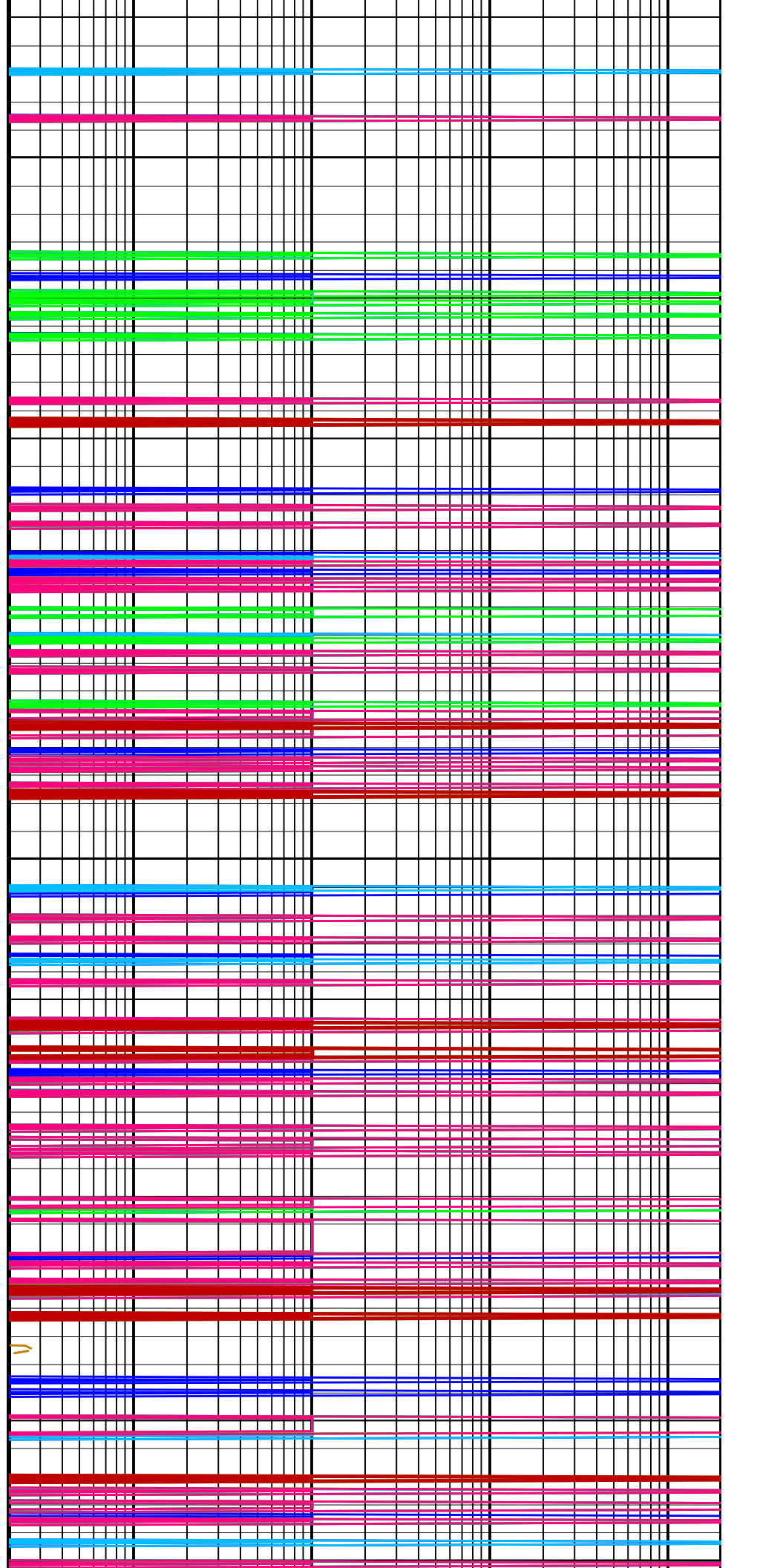


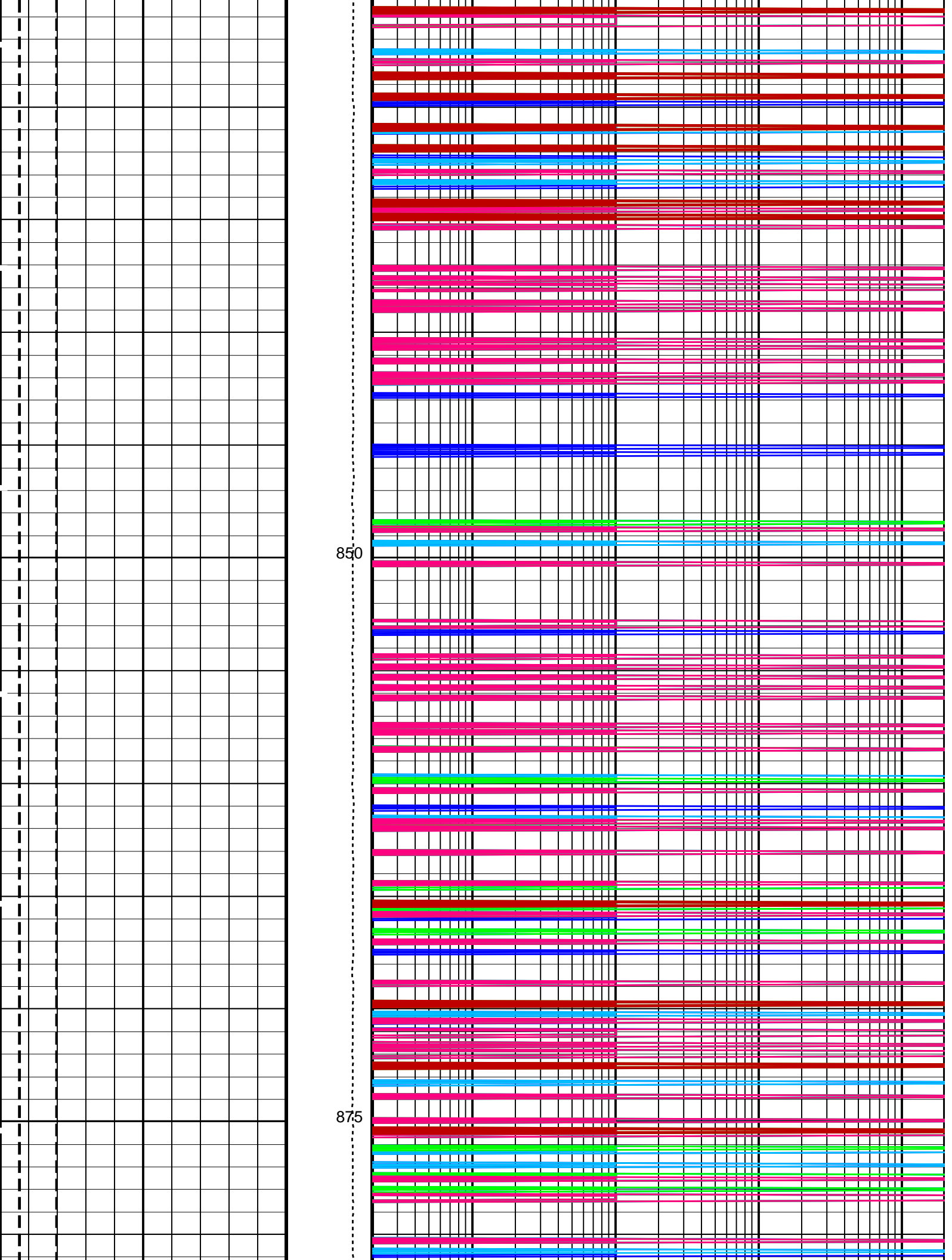


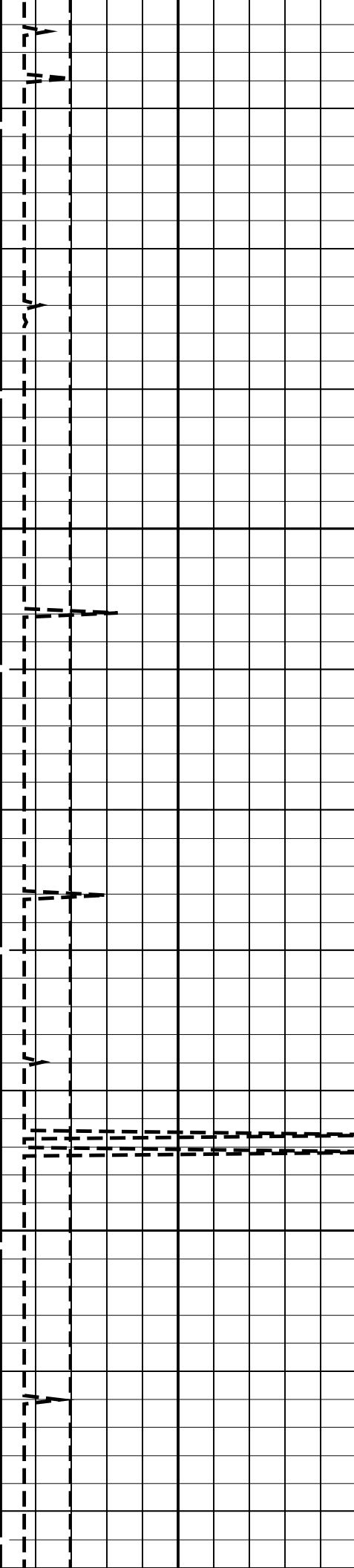
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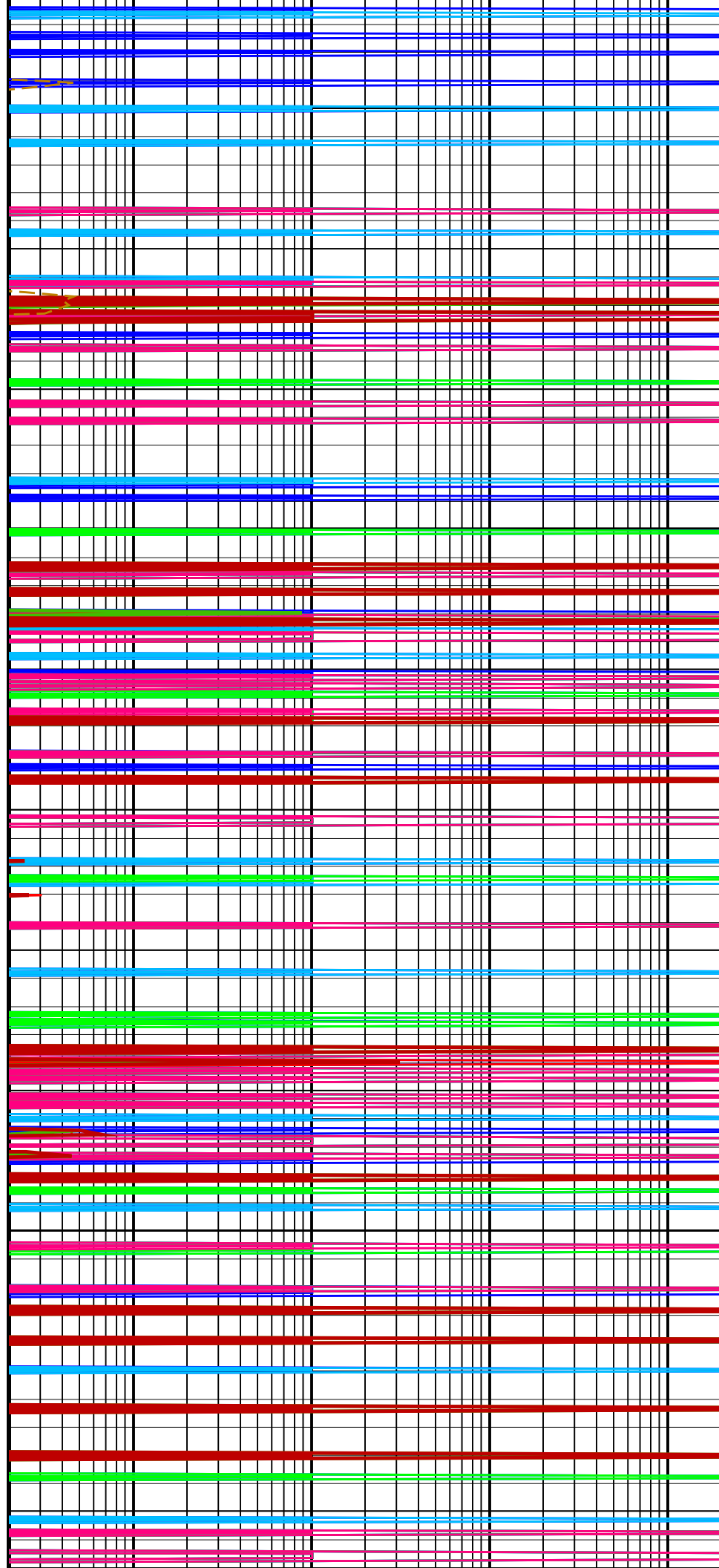


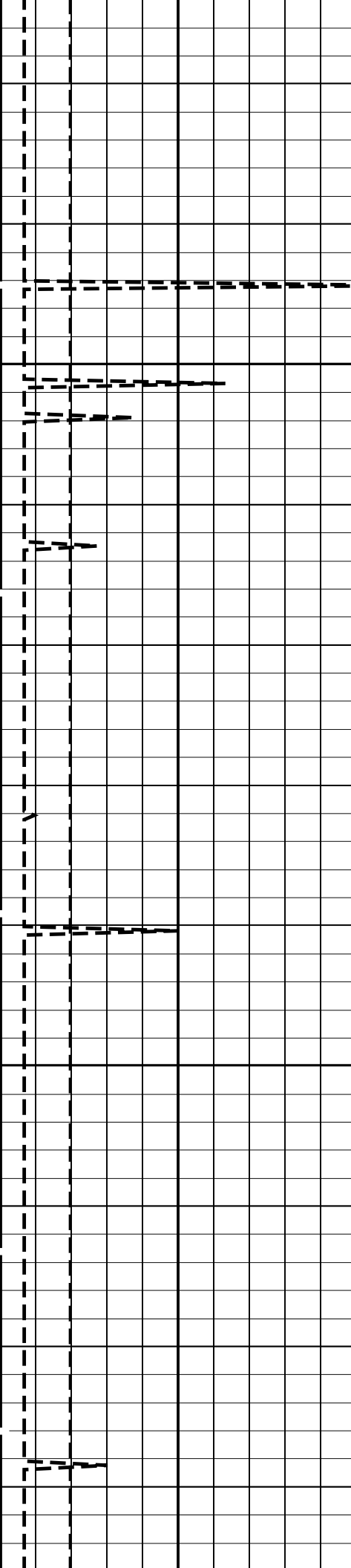




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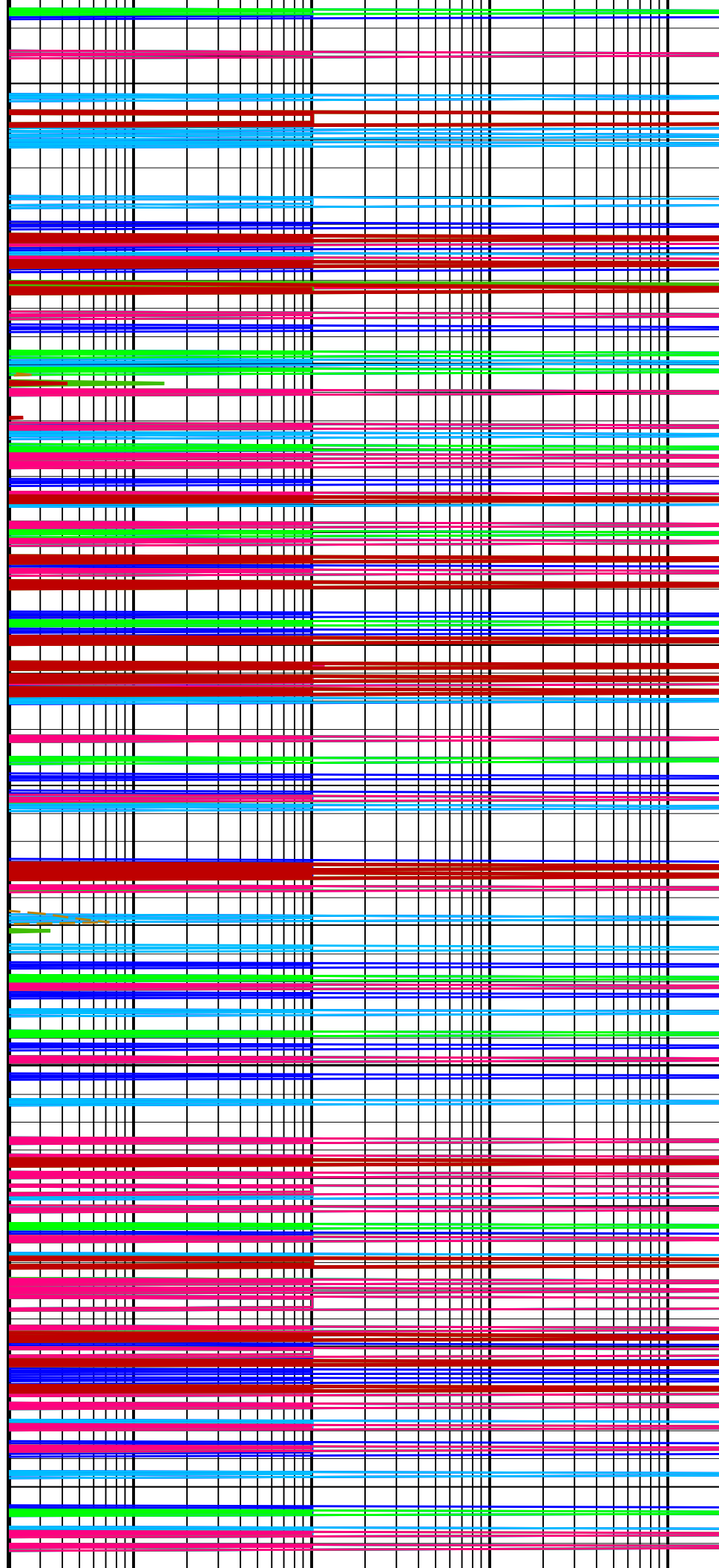
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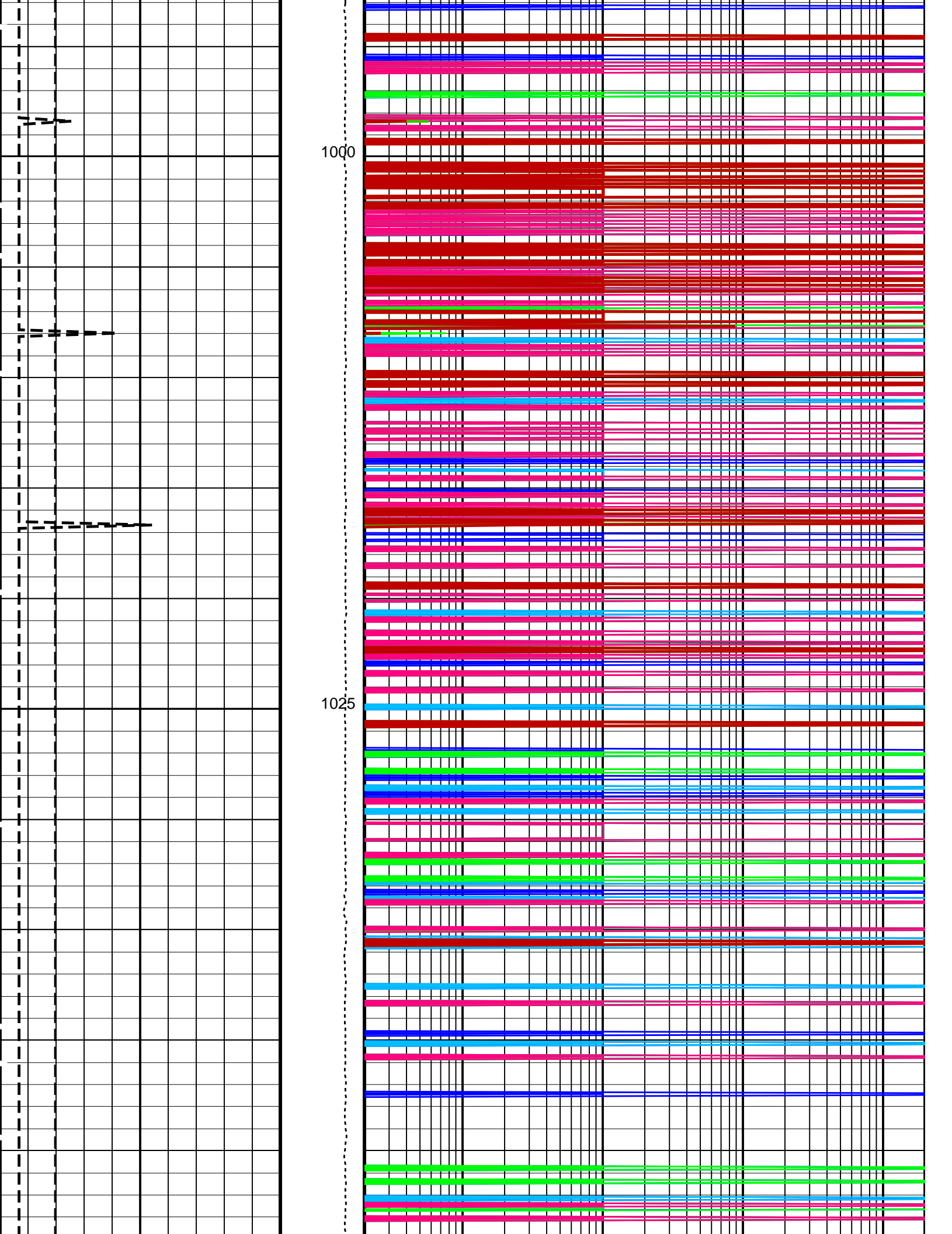


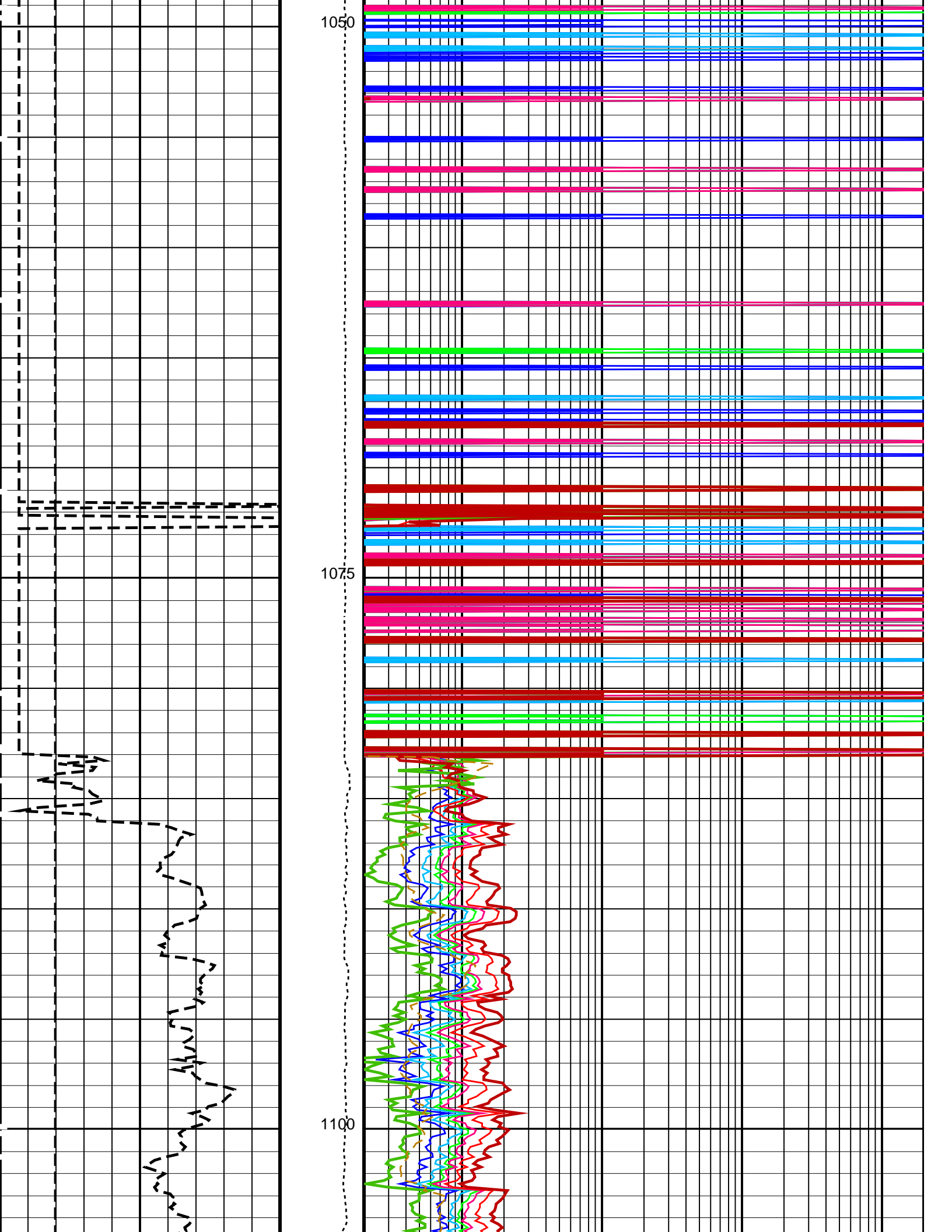


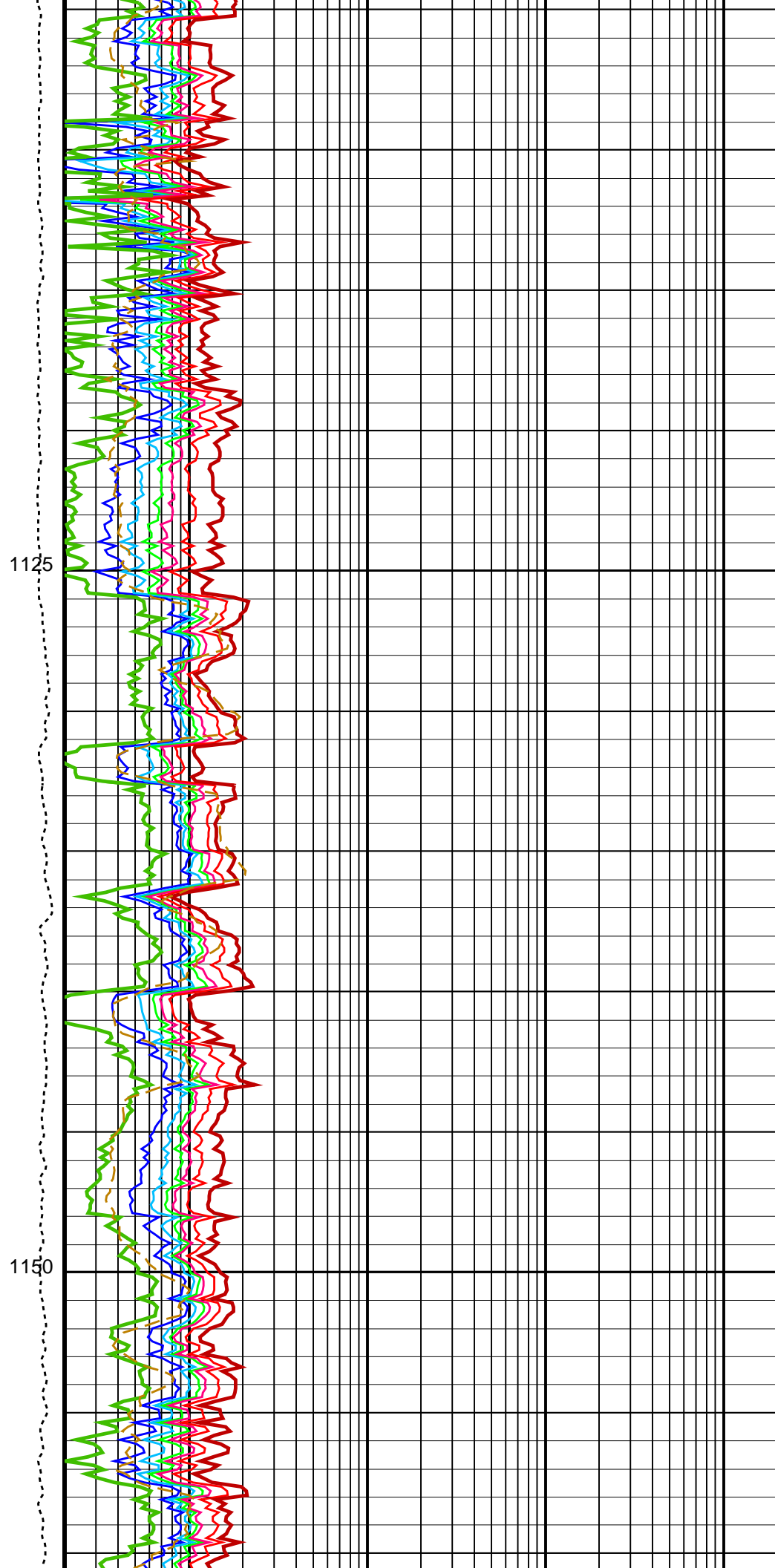
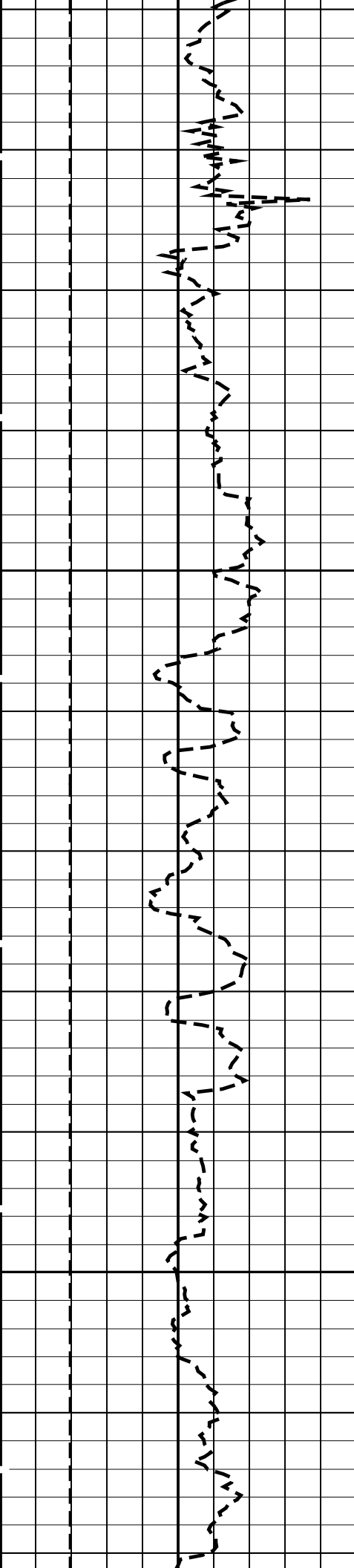
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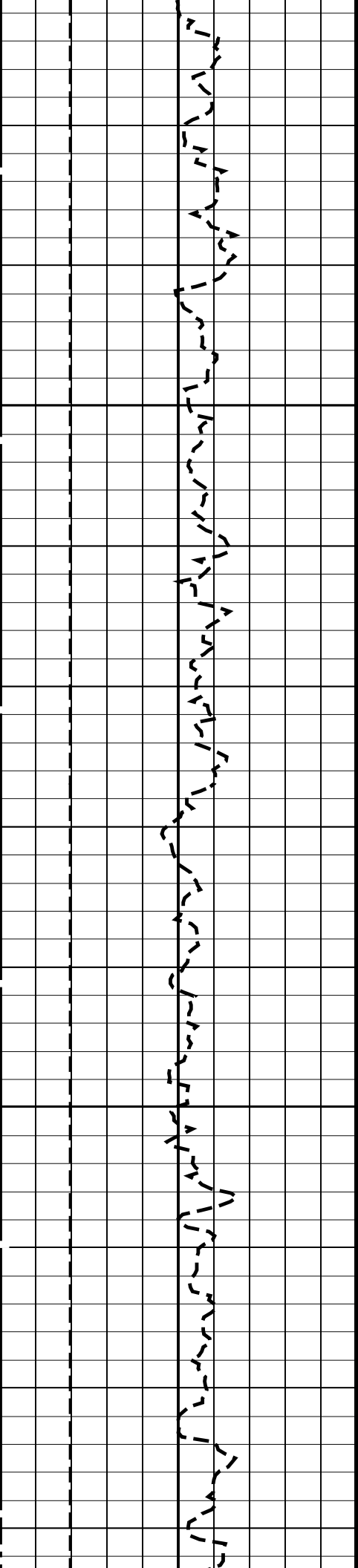
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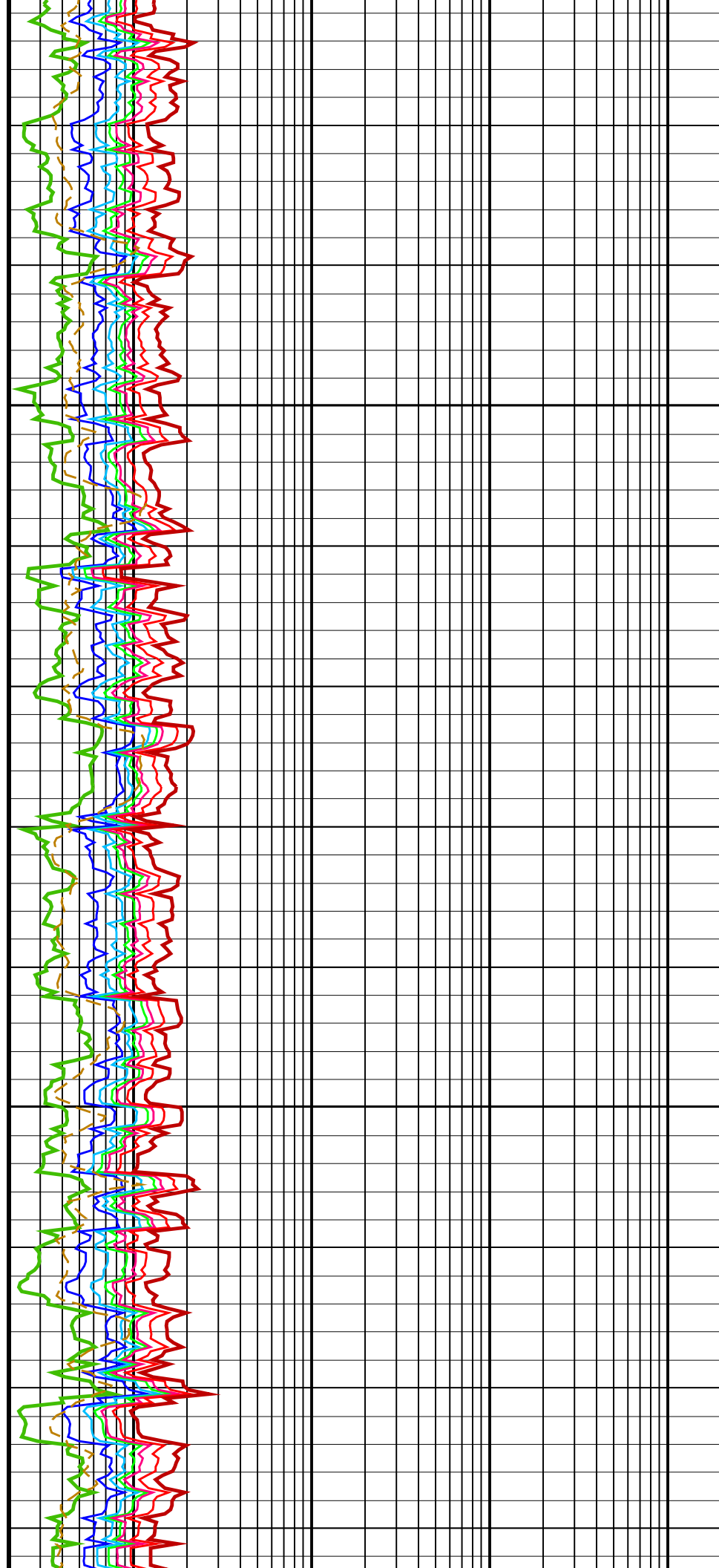


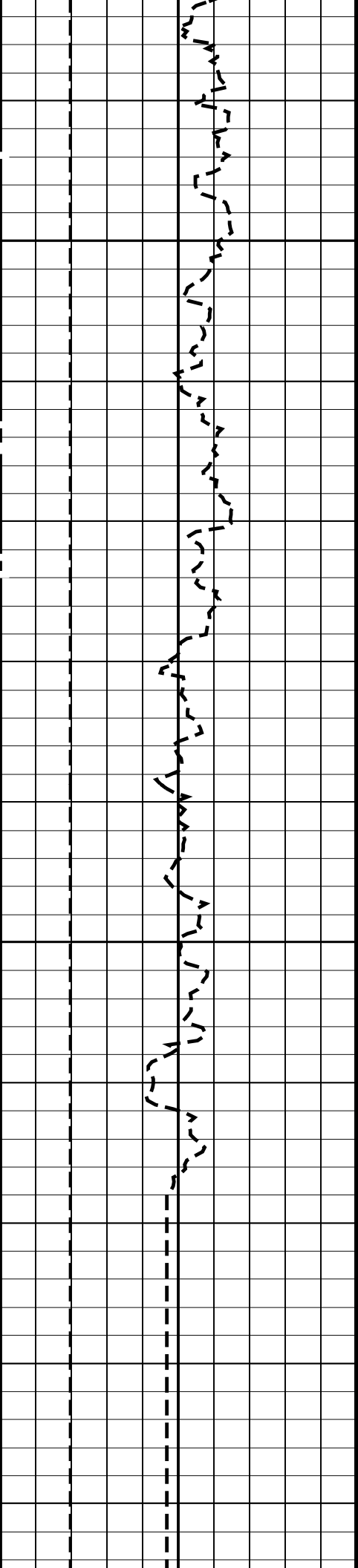




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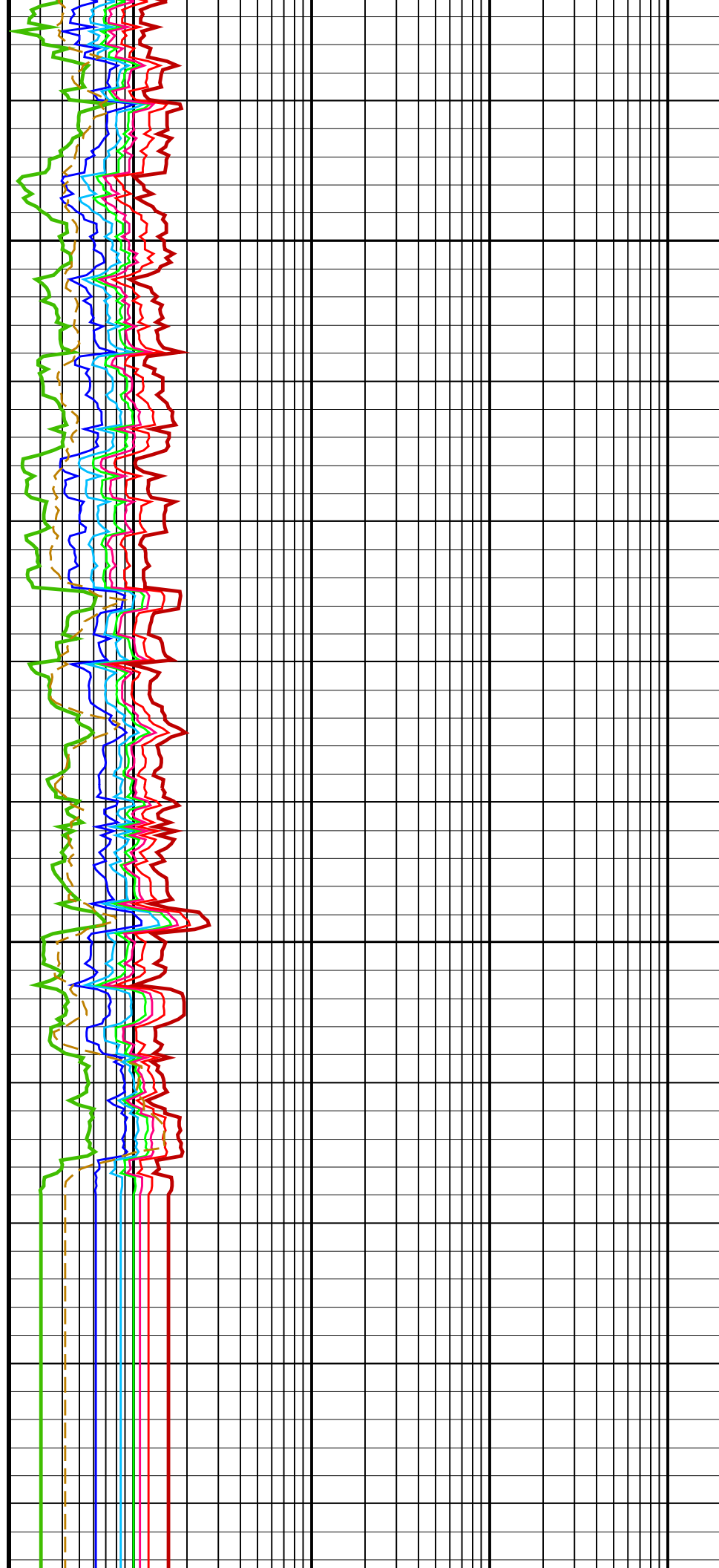
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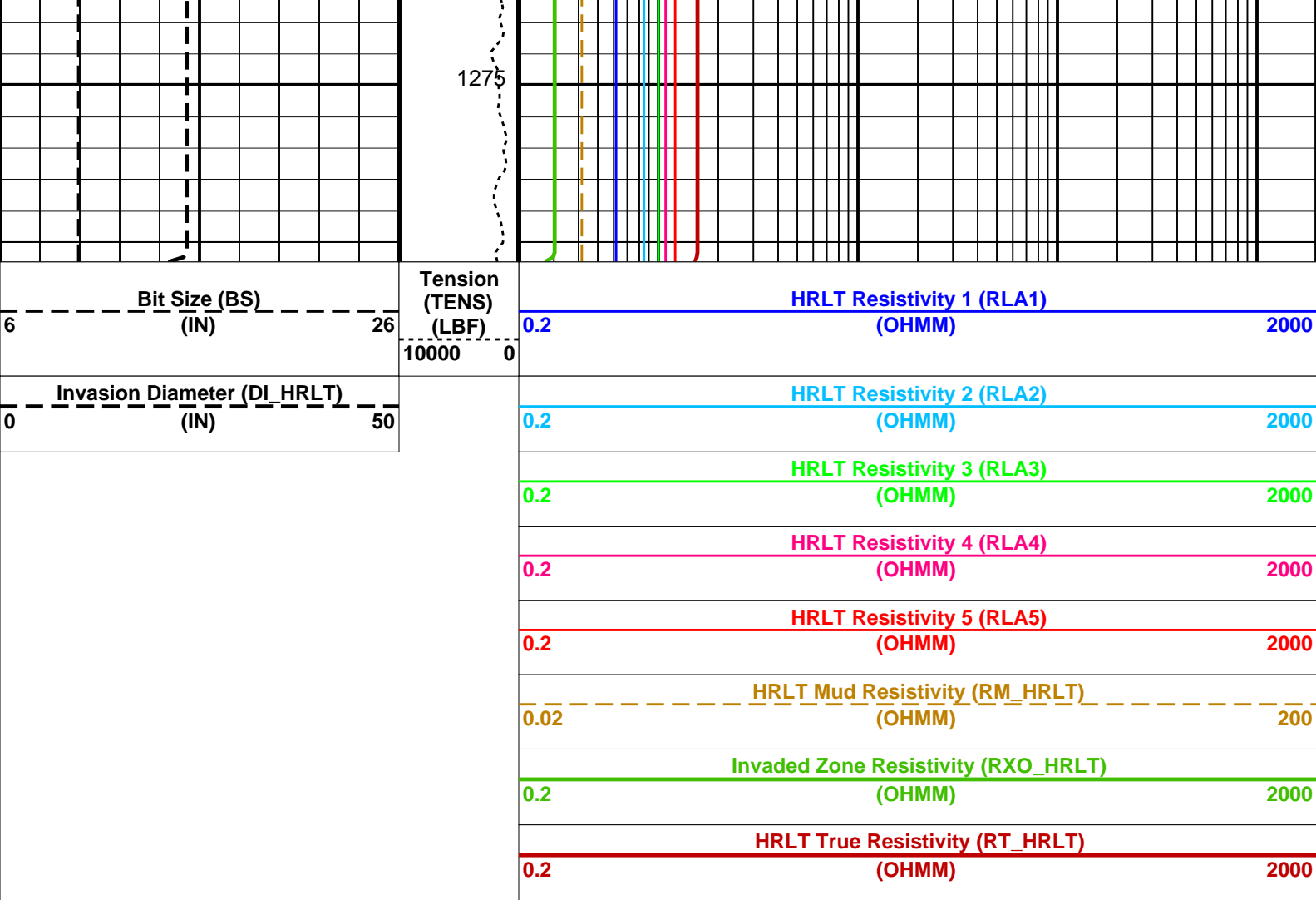




1225

1250





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	
PROCMLF	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	

GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	68	DEGF
SHT	Surface Hole Temperature			
BS	Bit Size	9.875	IN	
DO	Depth Offset for Playback	0.0	M	
PP	Playback Processing	NORMAL		
TD	Total Depth	10190.3	FT	

Format: HRLT	Vertical Scale: 1:200	Graphics File Created: 12-Jan-2024 20:27
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OP System Version: 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			

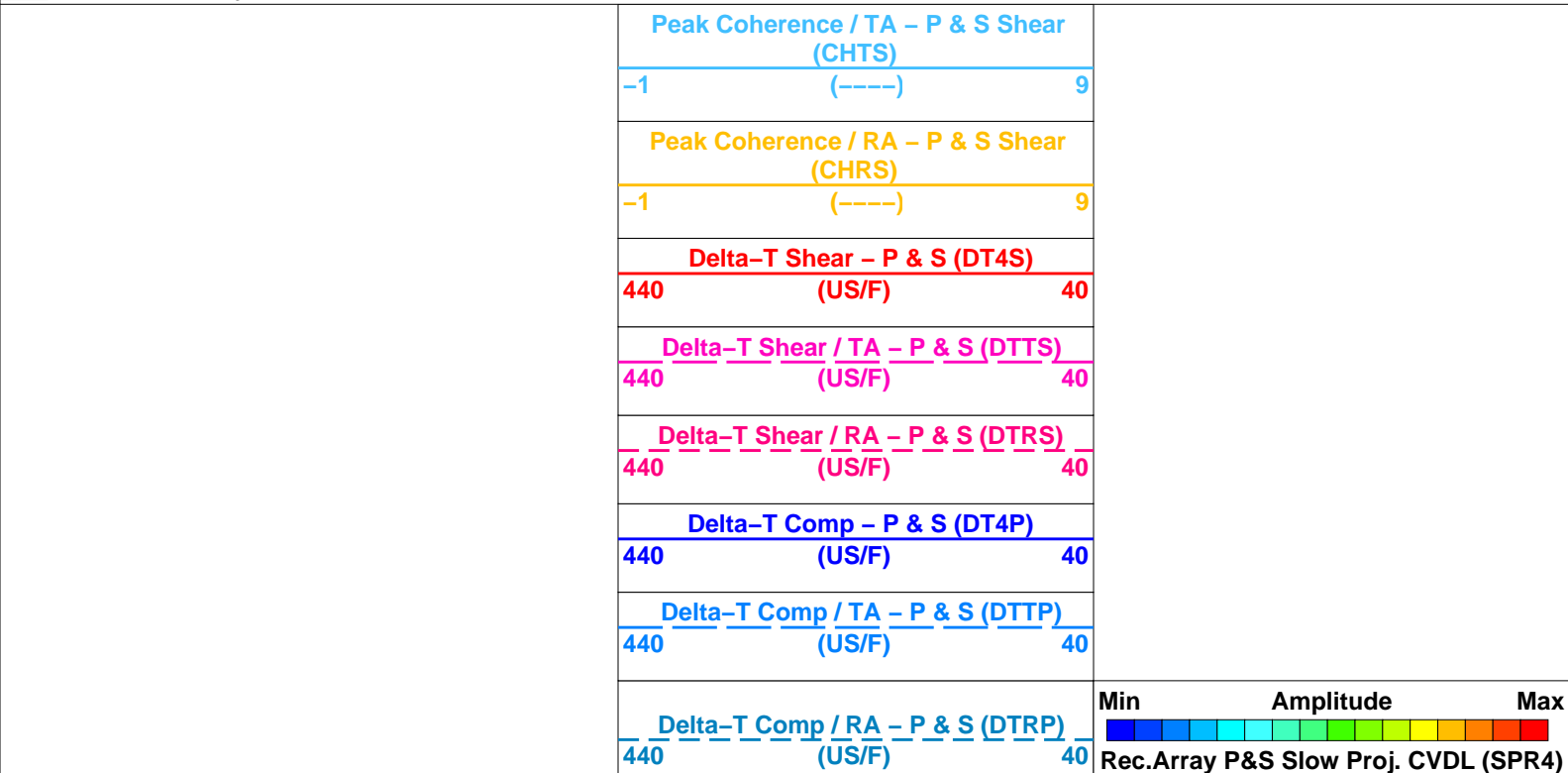
Input DLIS Files				
DEFAULT	Flip_DSI_HRLA_LDL_014LUP	PRODUCER	12-Jan-2024 20:26	1280.6 M 507.5 M
Output DLIS Files				
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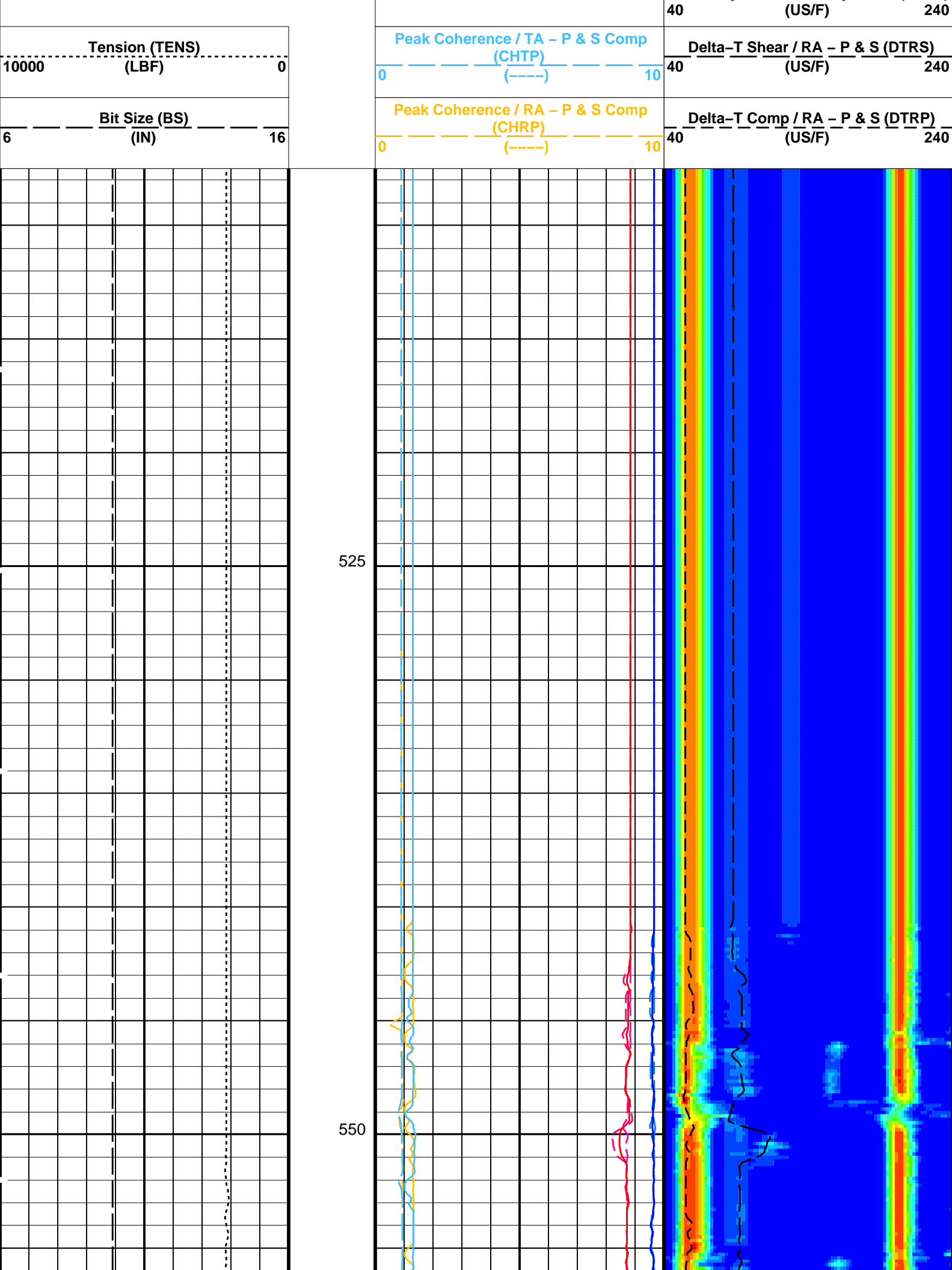
Company: International Ocean Discovery Program	Well: Expedition 401, Site U1610A
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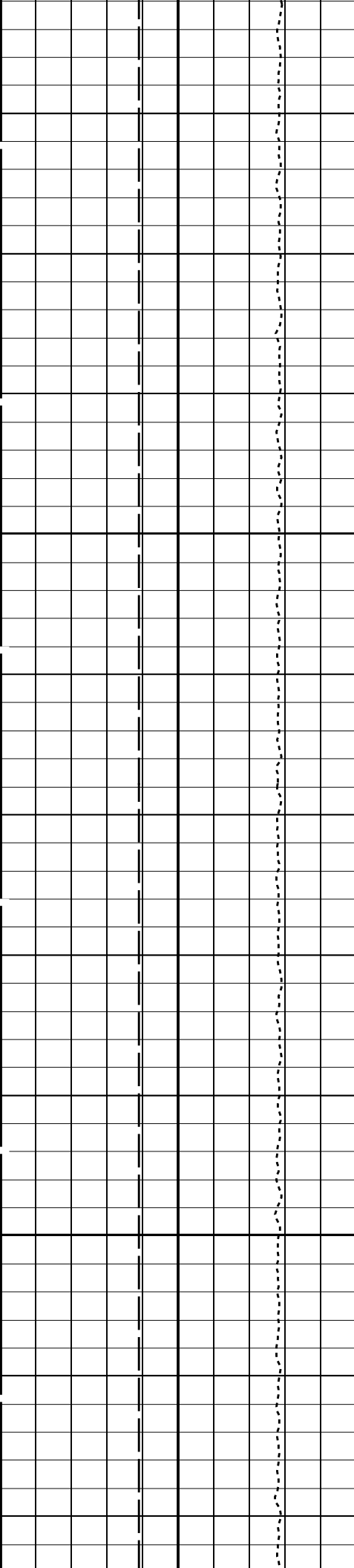
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Output DLIS Files				
DEFAULT	DSI_HRLA_LDL_NGS_015PUP	FN:13	PRODUCER	12-Jan-2024 20:27 1280.6 M 507.5 M

OP System Version: 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	

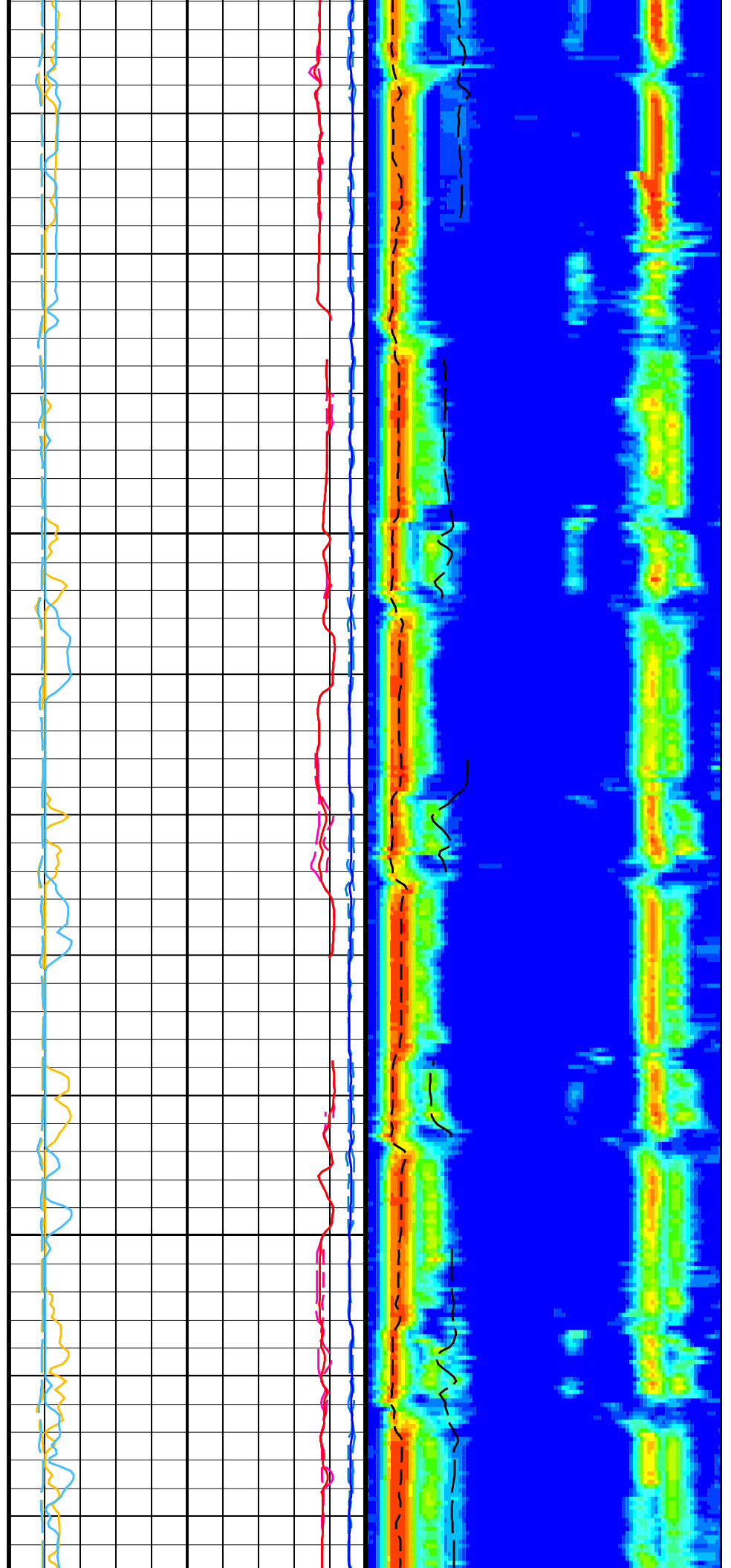


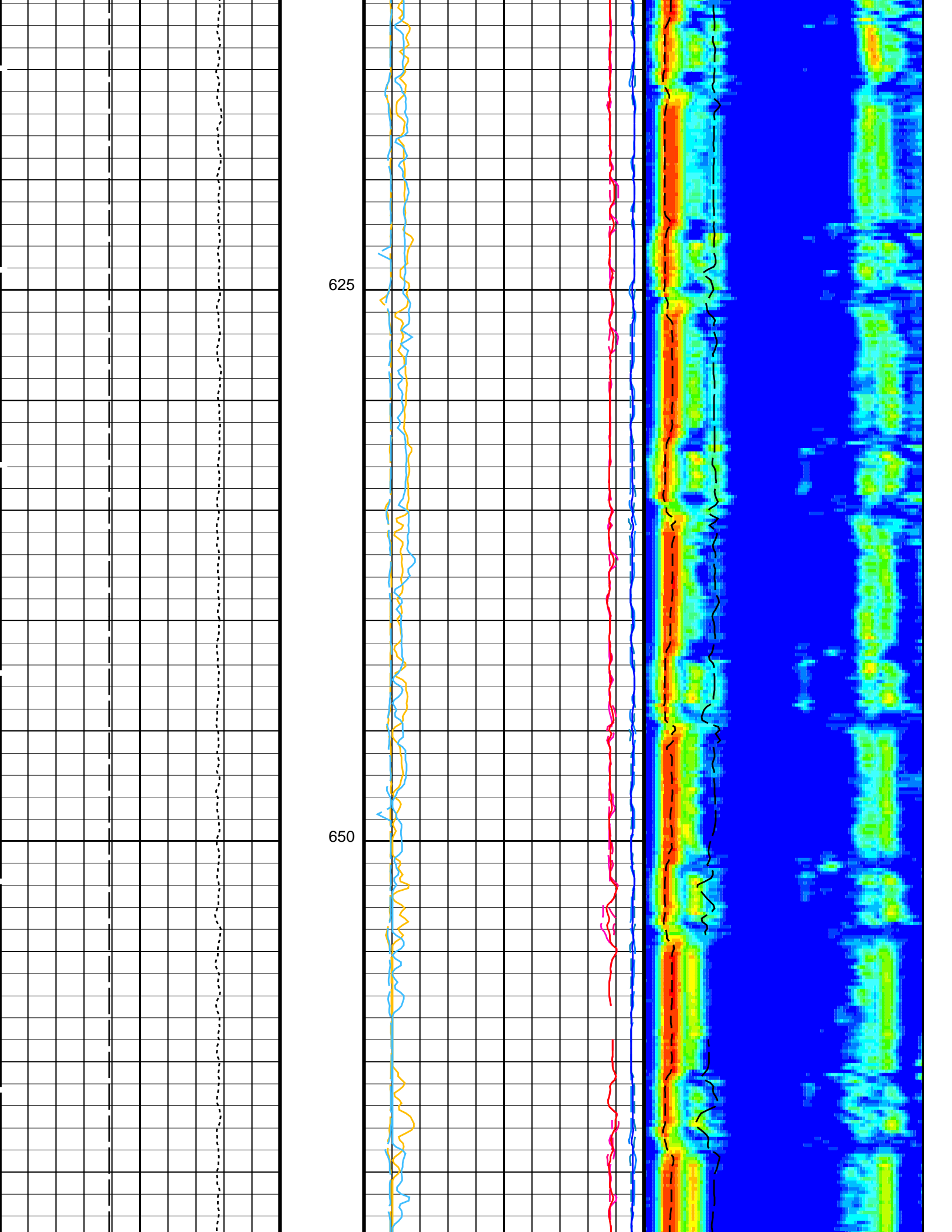


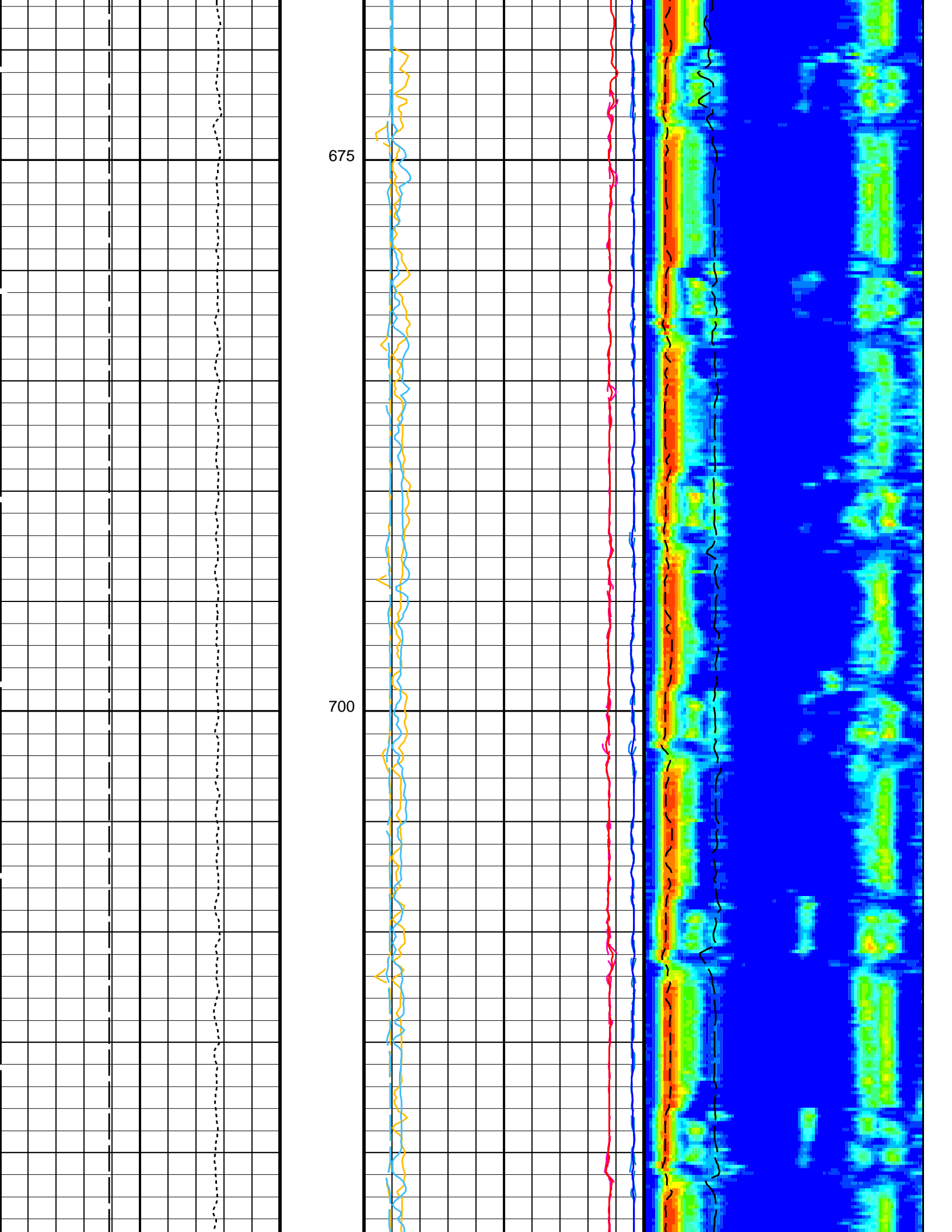


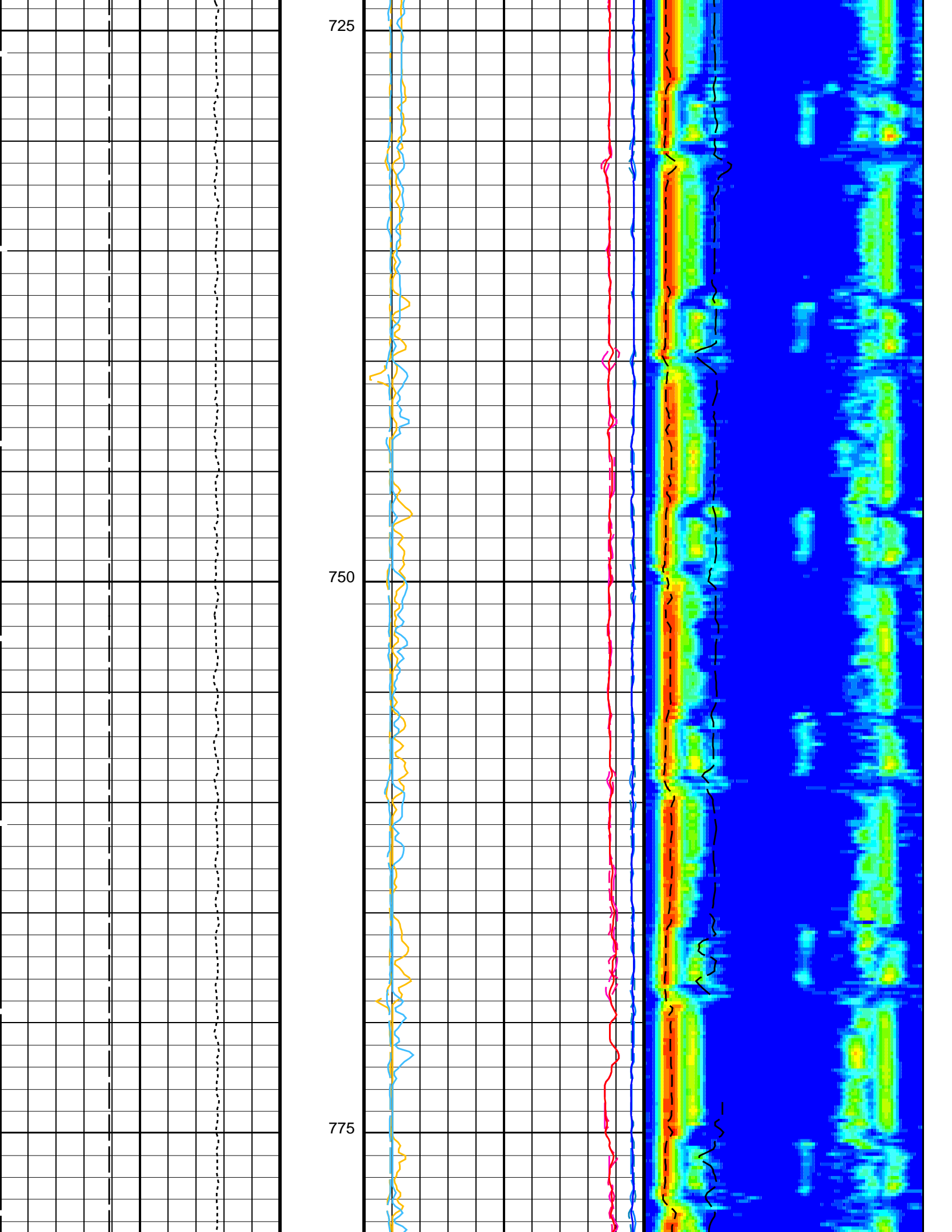
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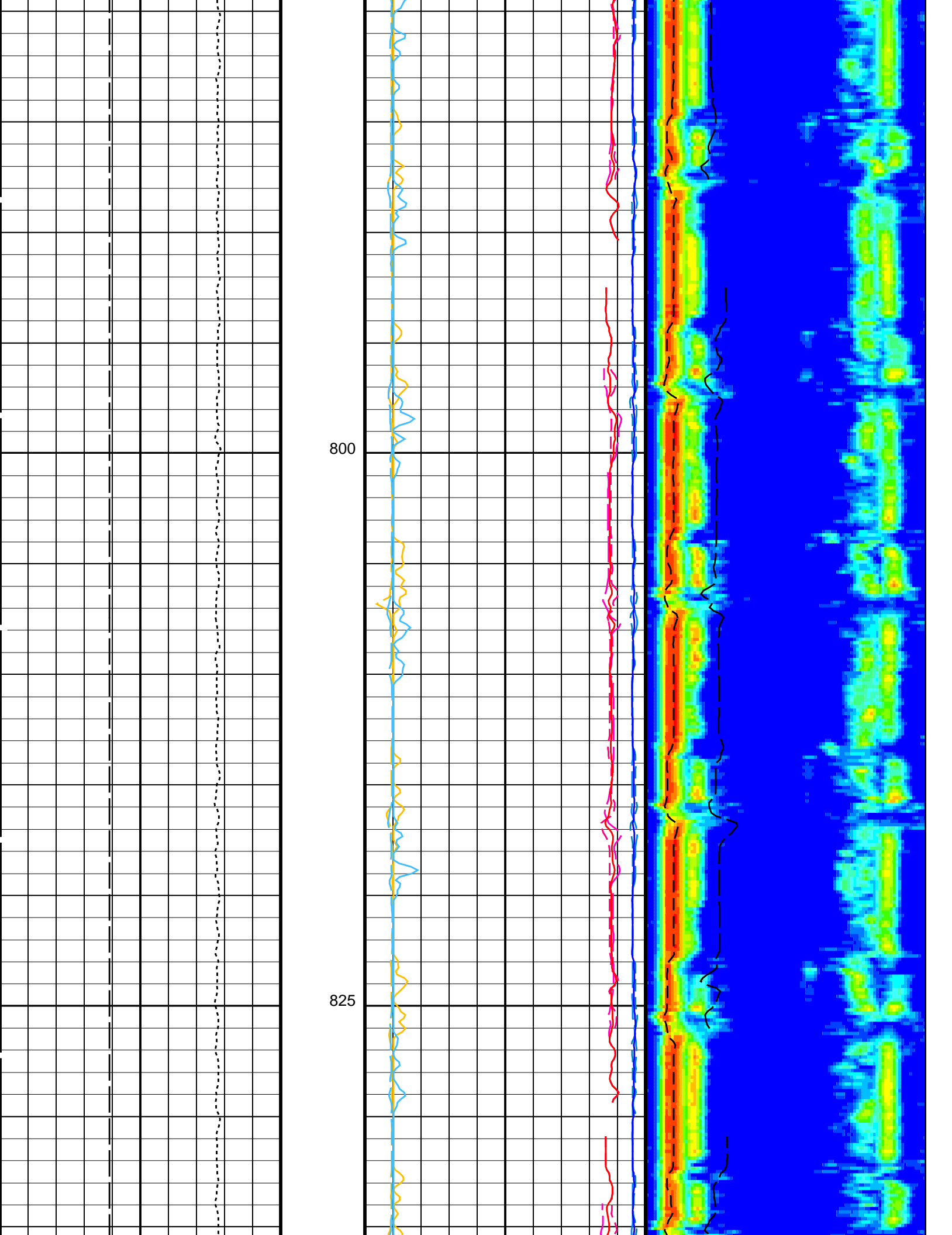
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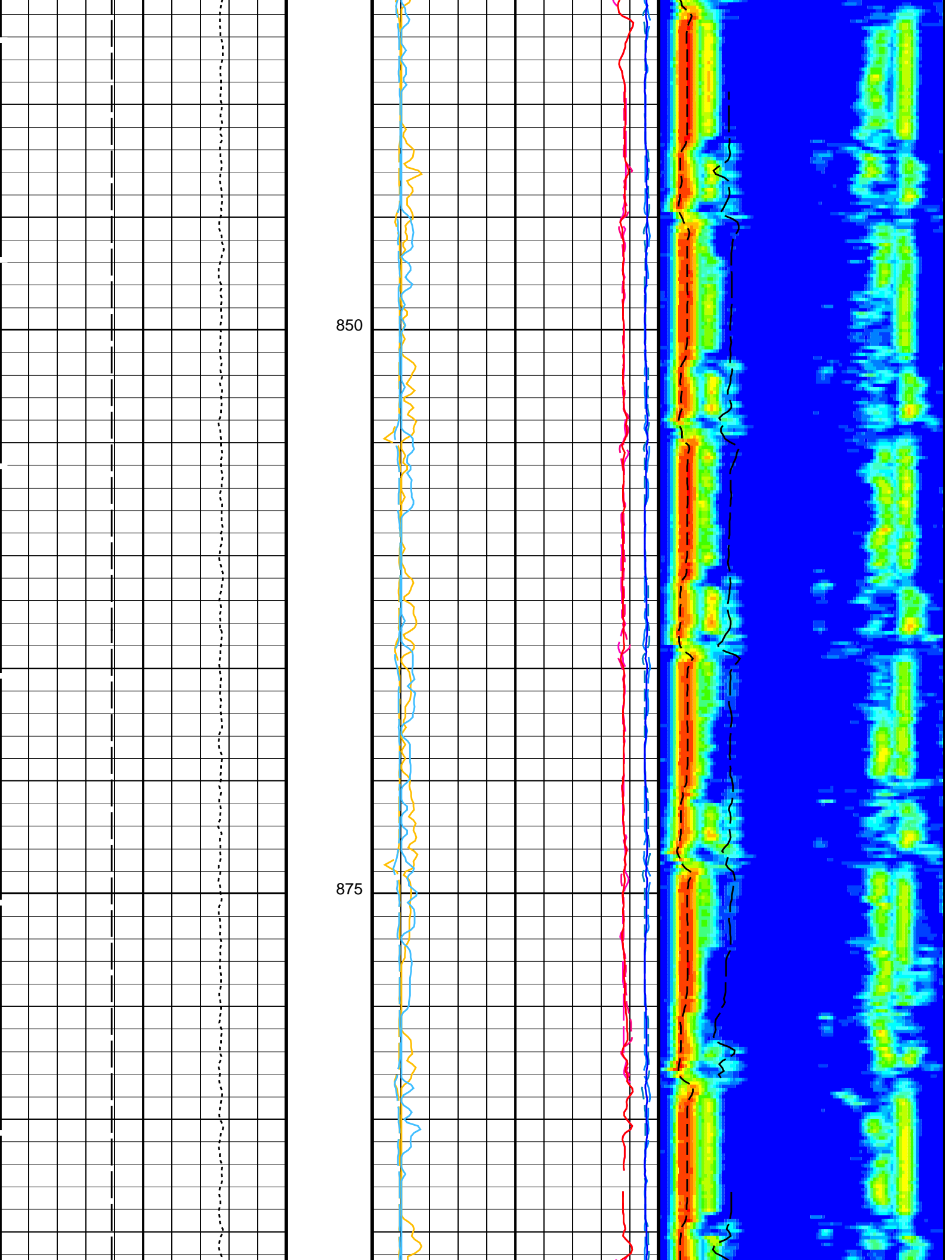


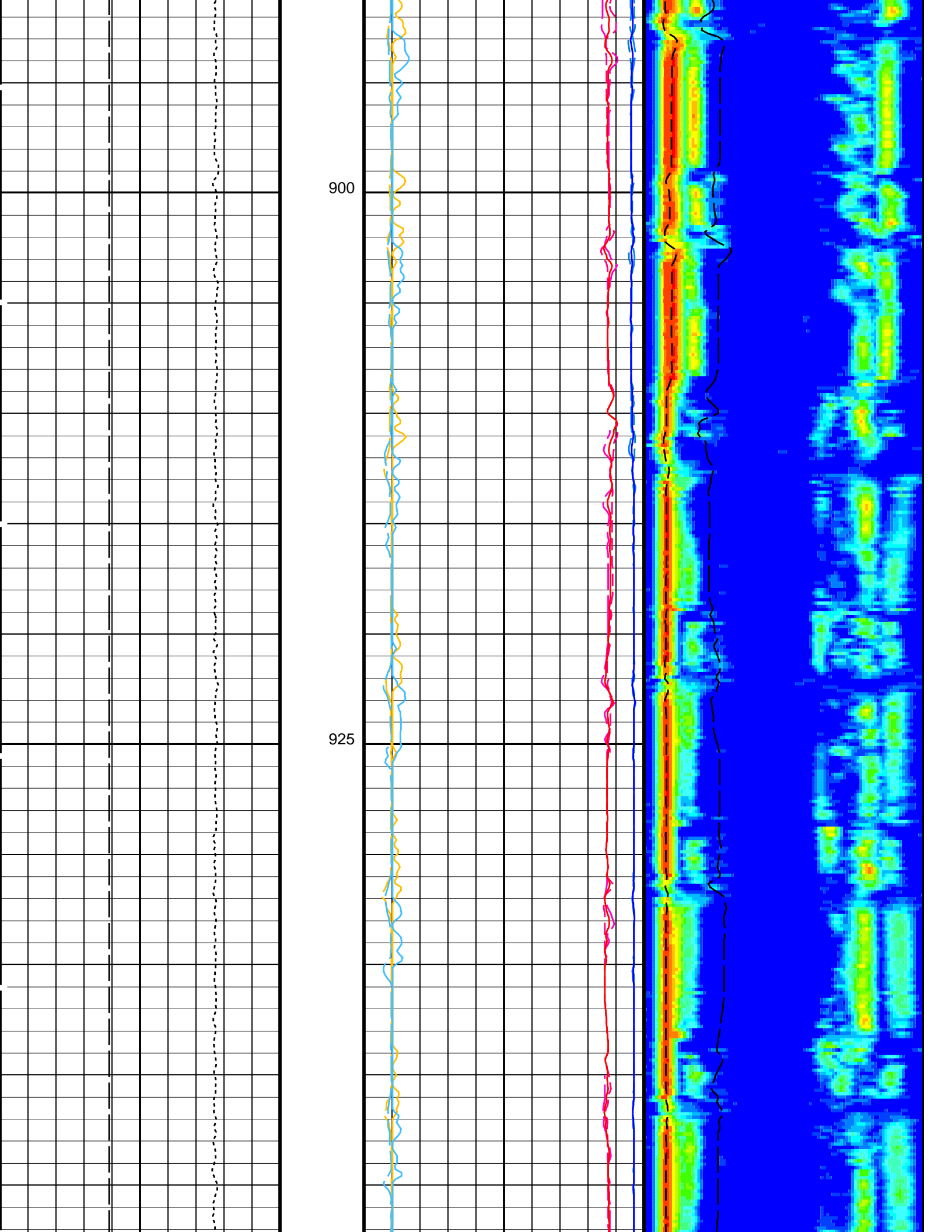


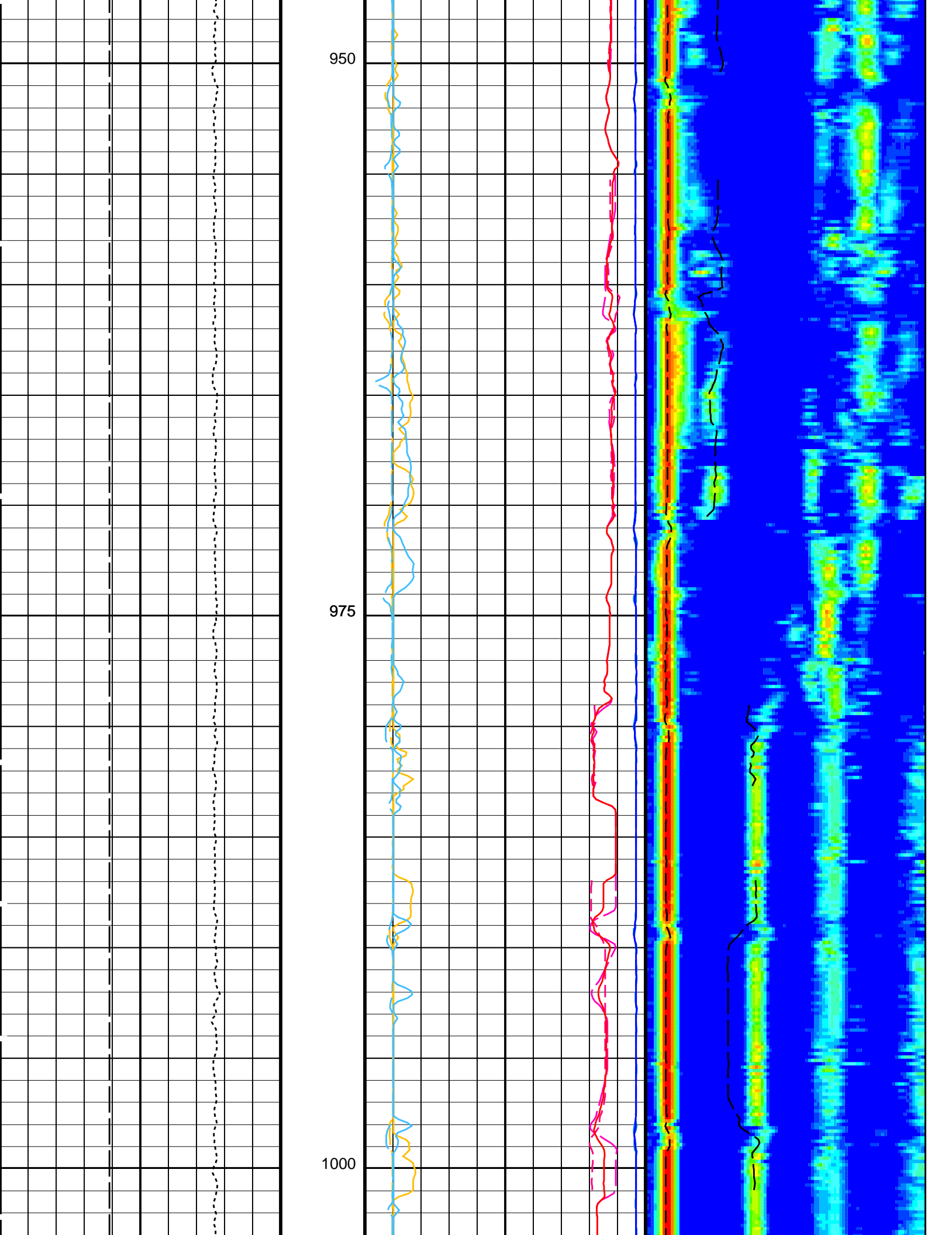


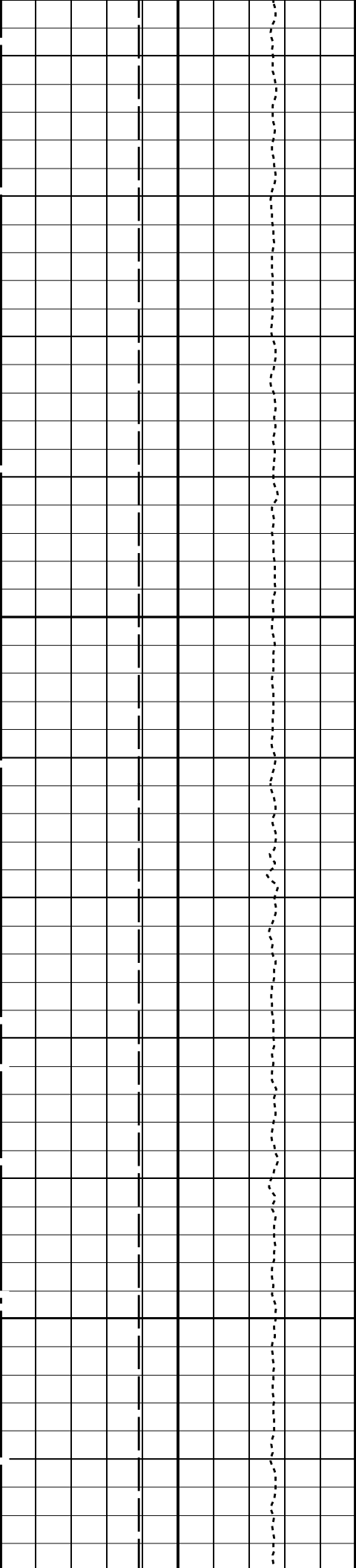






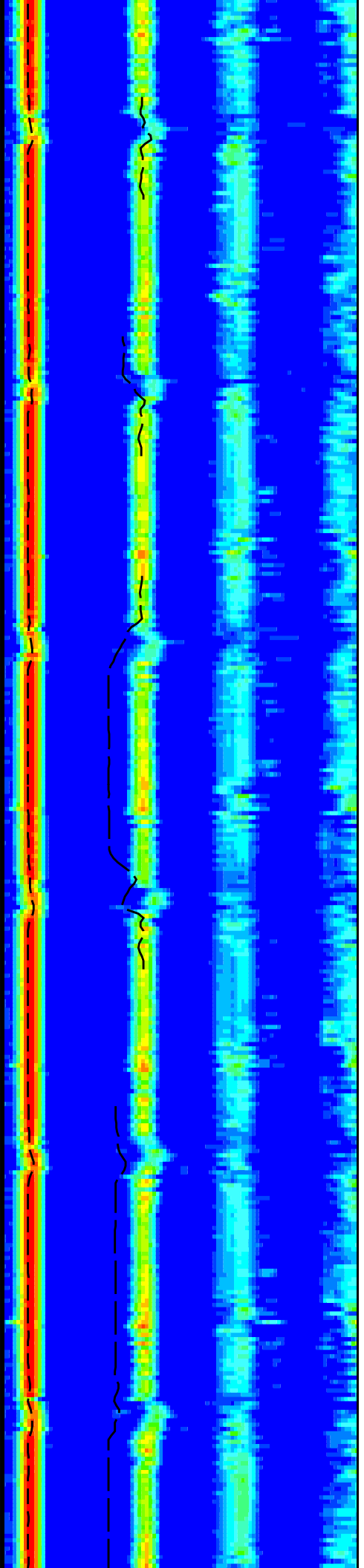
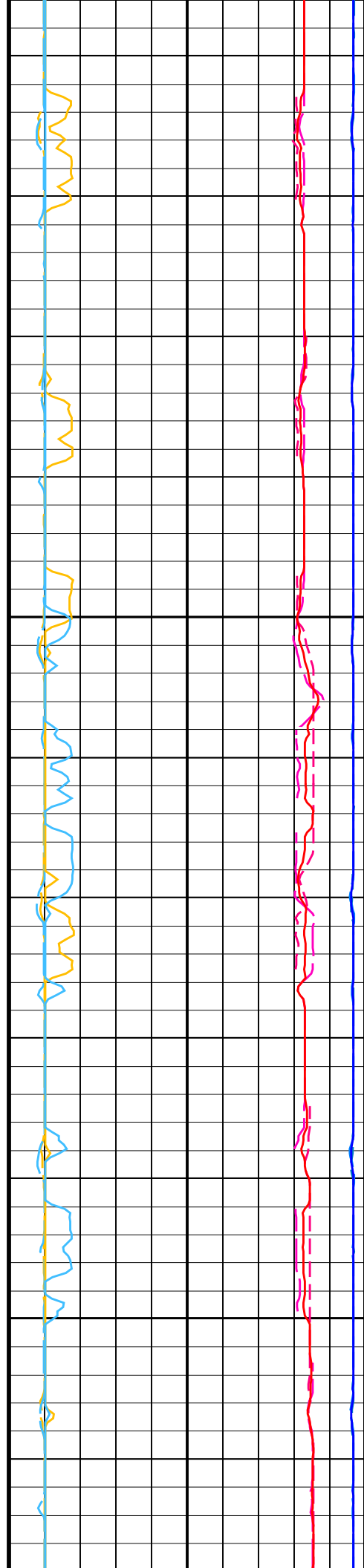


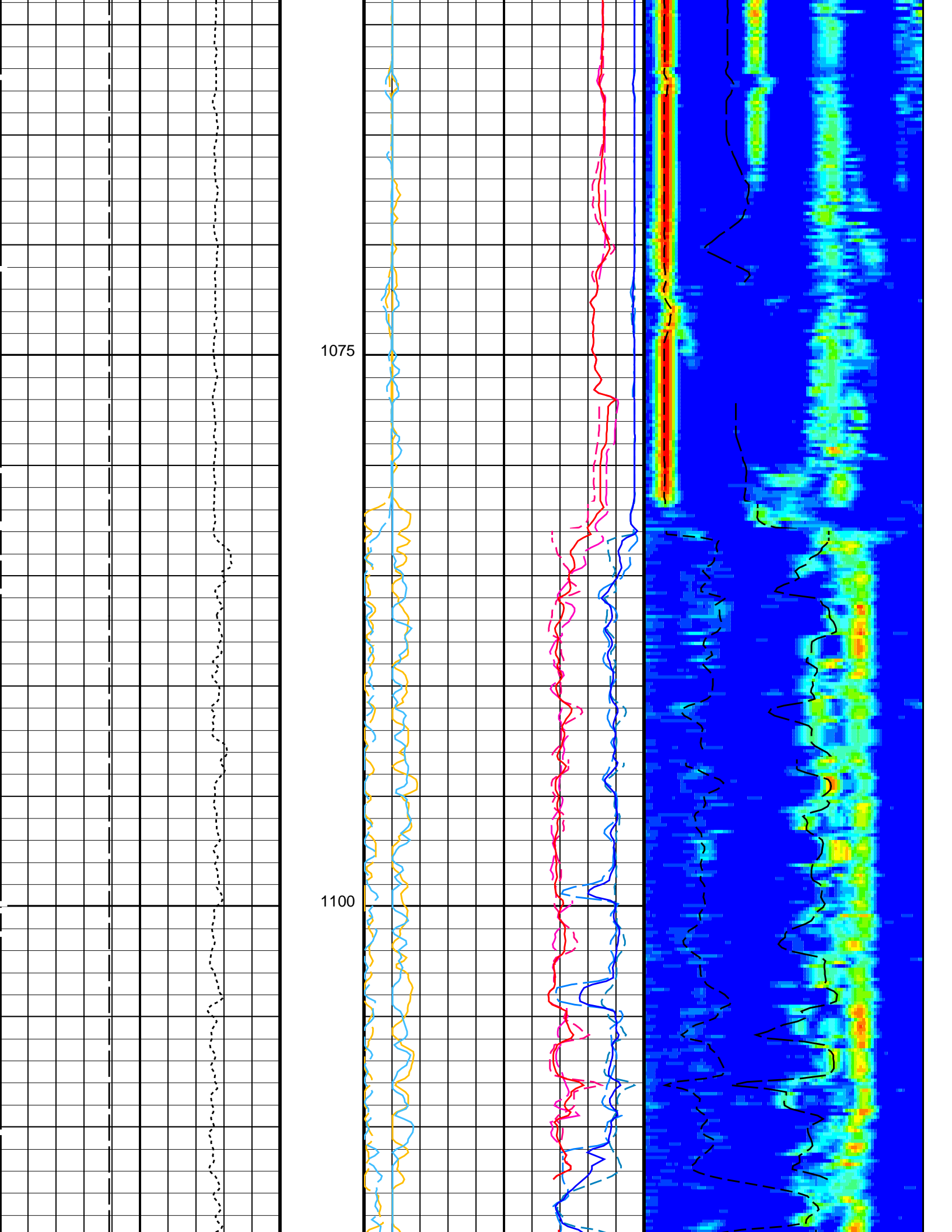


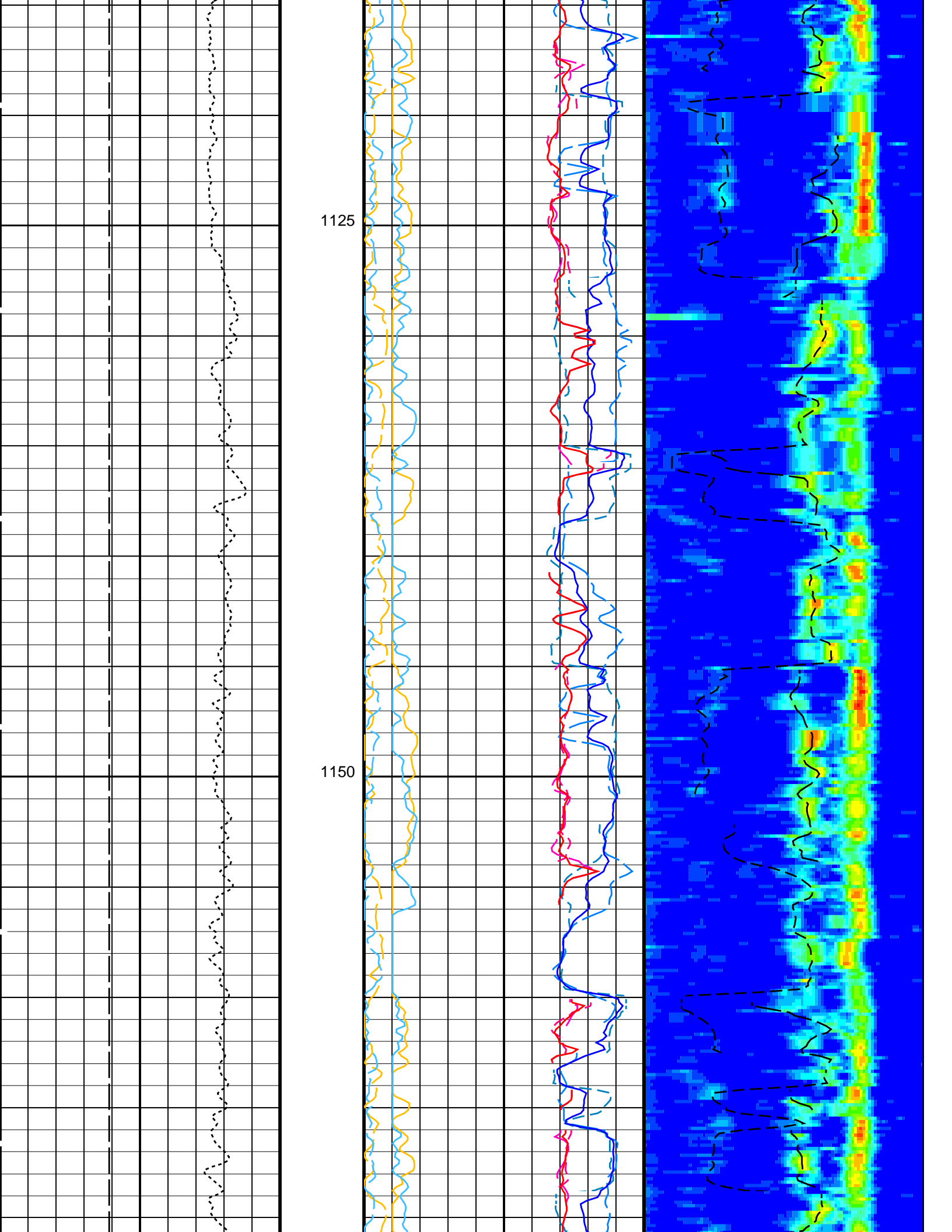


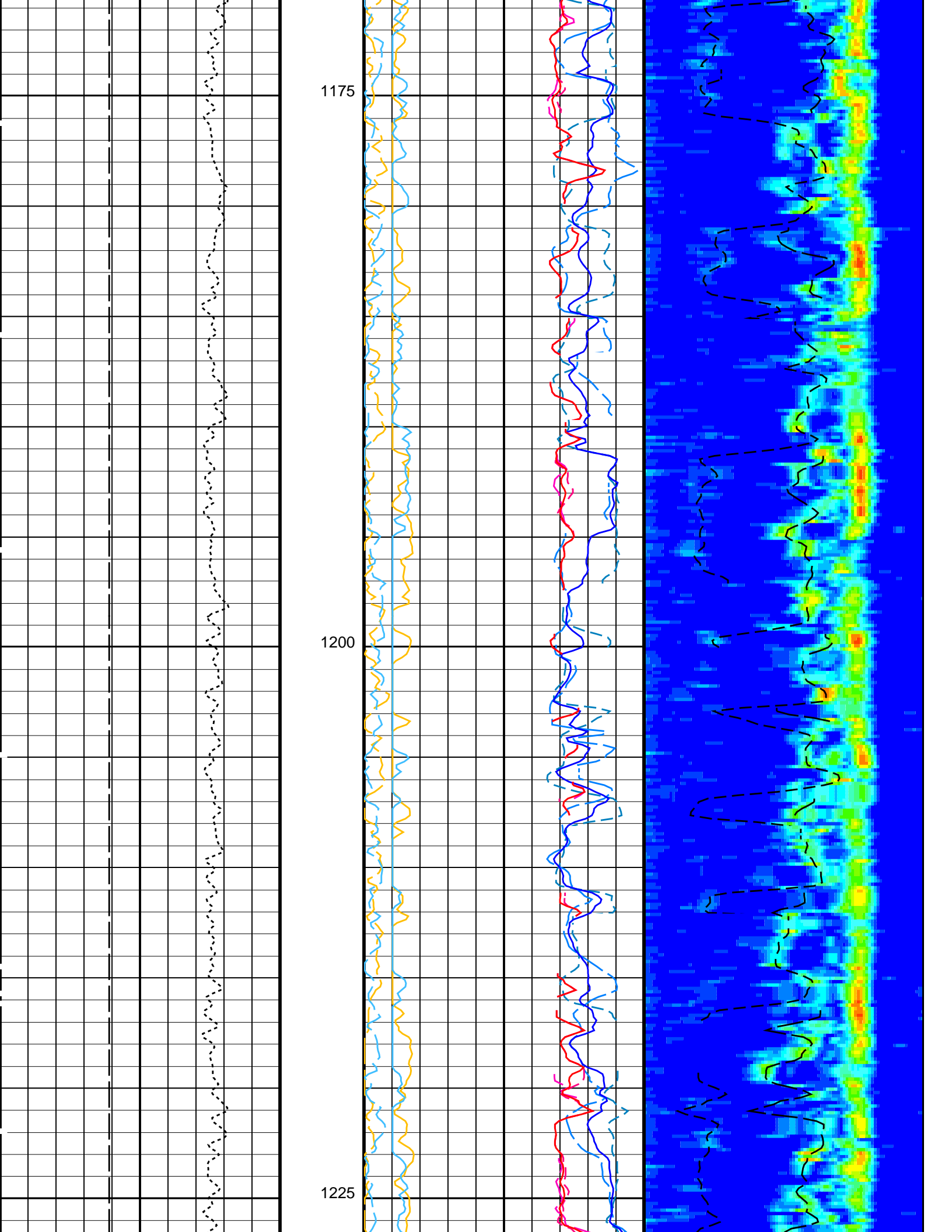
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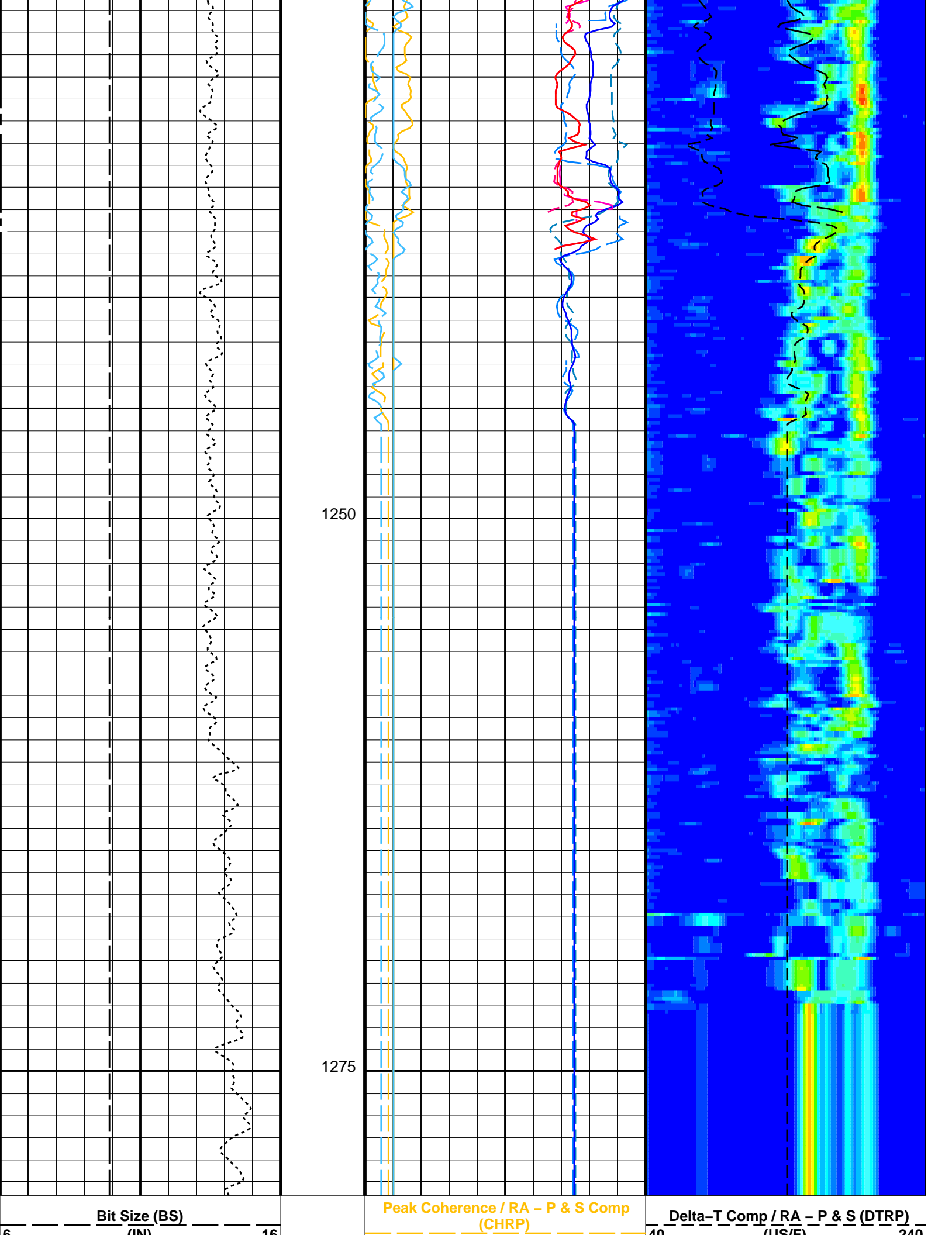
1050











SFM4	STC Filter – Monopole P&S	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	180	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
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	3500	US
TWD4	STC Time Width – Monopole P&S	1000	US
TWI4	STC Integration Time Window – Monopole P&S	500	US
TWSX	Transmitter Waveform Select X	0	
BHS	HRLT–B: High Resolution Laterolog Array – B Borehole Status	OPEN	
BHS	HNGS–BA: Hostile Natural Gamma Ray Sonde Borehole Status	OPEN	
BHS	EDTC–B: Enhanced DTS Cartridge Borehole Status	OPEN	
BS	System and Miscellaneous Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST_P_S_VDL_COLOR
Vertical Scale: 1:200
Graphics File Created: 12–Jan–2024 20:27

OP System Version: 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_DSI_HRLA_LDL_014LUP	PRODUCER	12–Jan–2024 20:26	1280.6 M	507.5 M
Output DLIS Files					
DEFAULT	DSI_HRLA_LDL_NGS_015PUP	FN:13	PRODUCER	12–Jan–2024 20:27	

Company: International Ocean Discovery Program
Well: Expedition 401, Site U1610A

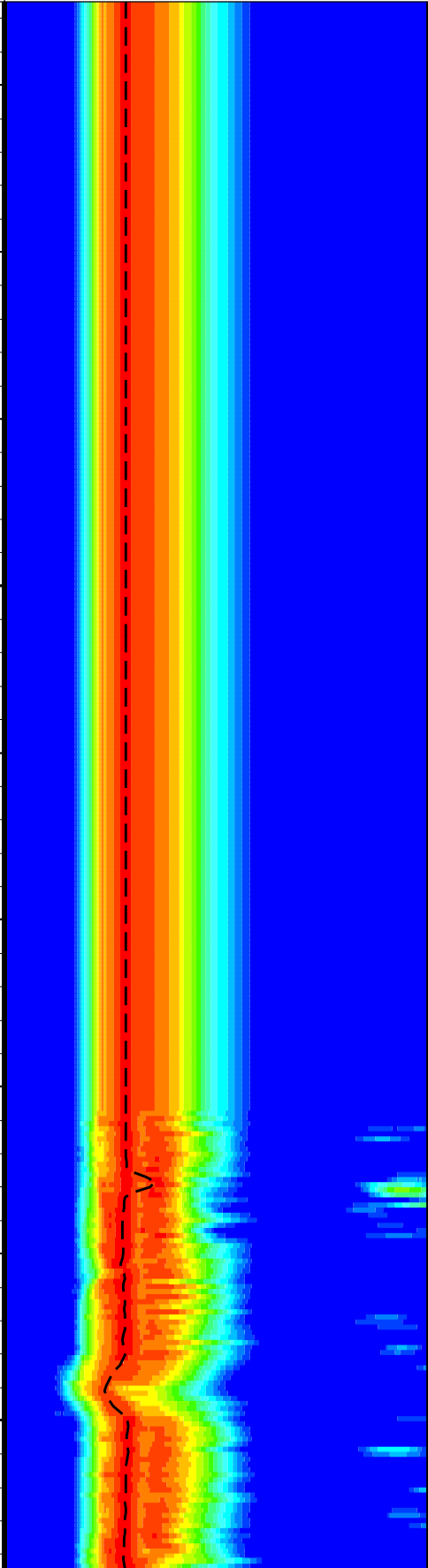
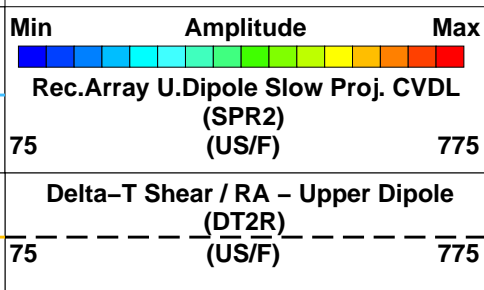
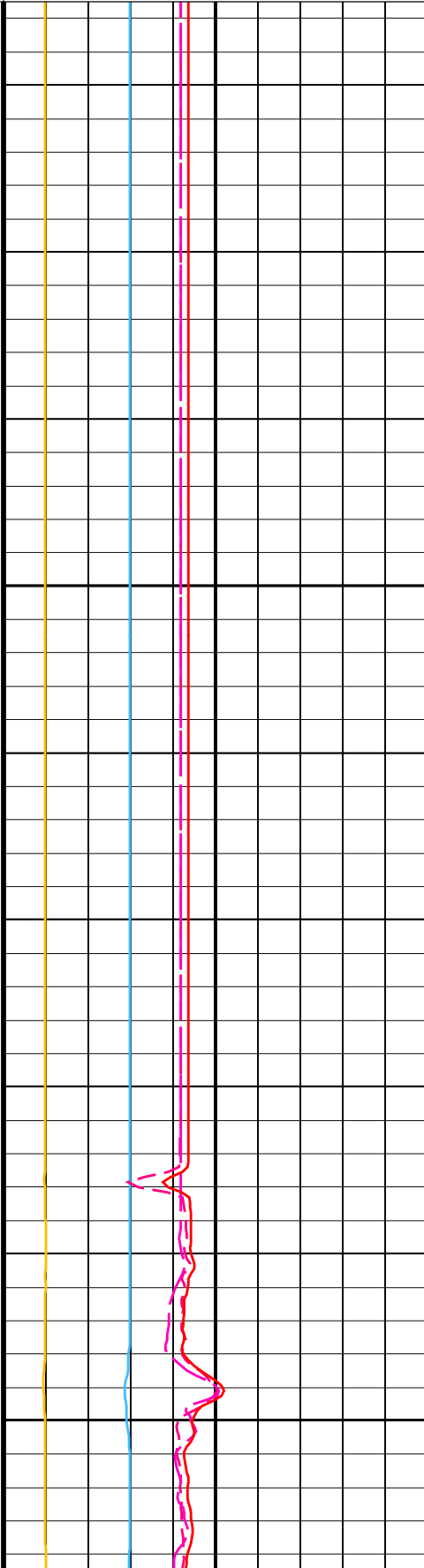
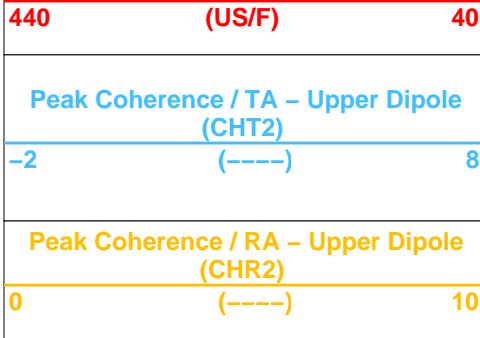
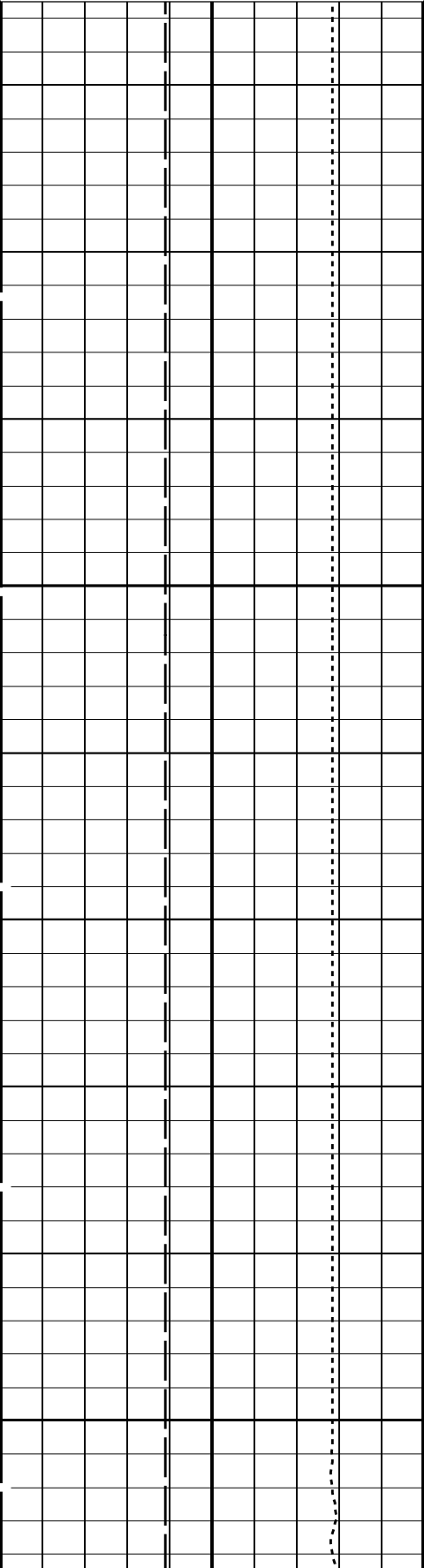
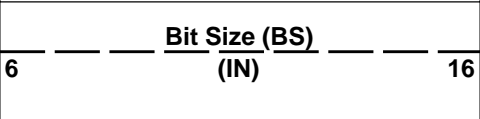
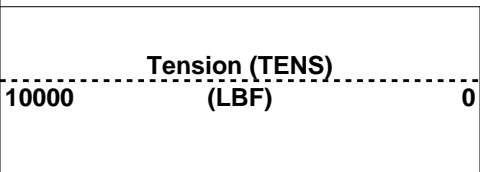
Input DLIS Files					
DEFAULT	Flip_DSI_HRLA_LDL_014LUP	PRODUCER	12–Jan–2024 20:26	1280.6 M	507.5 M
Output DLIS Files					
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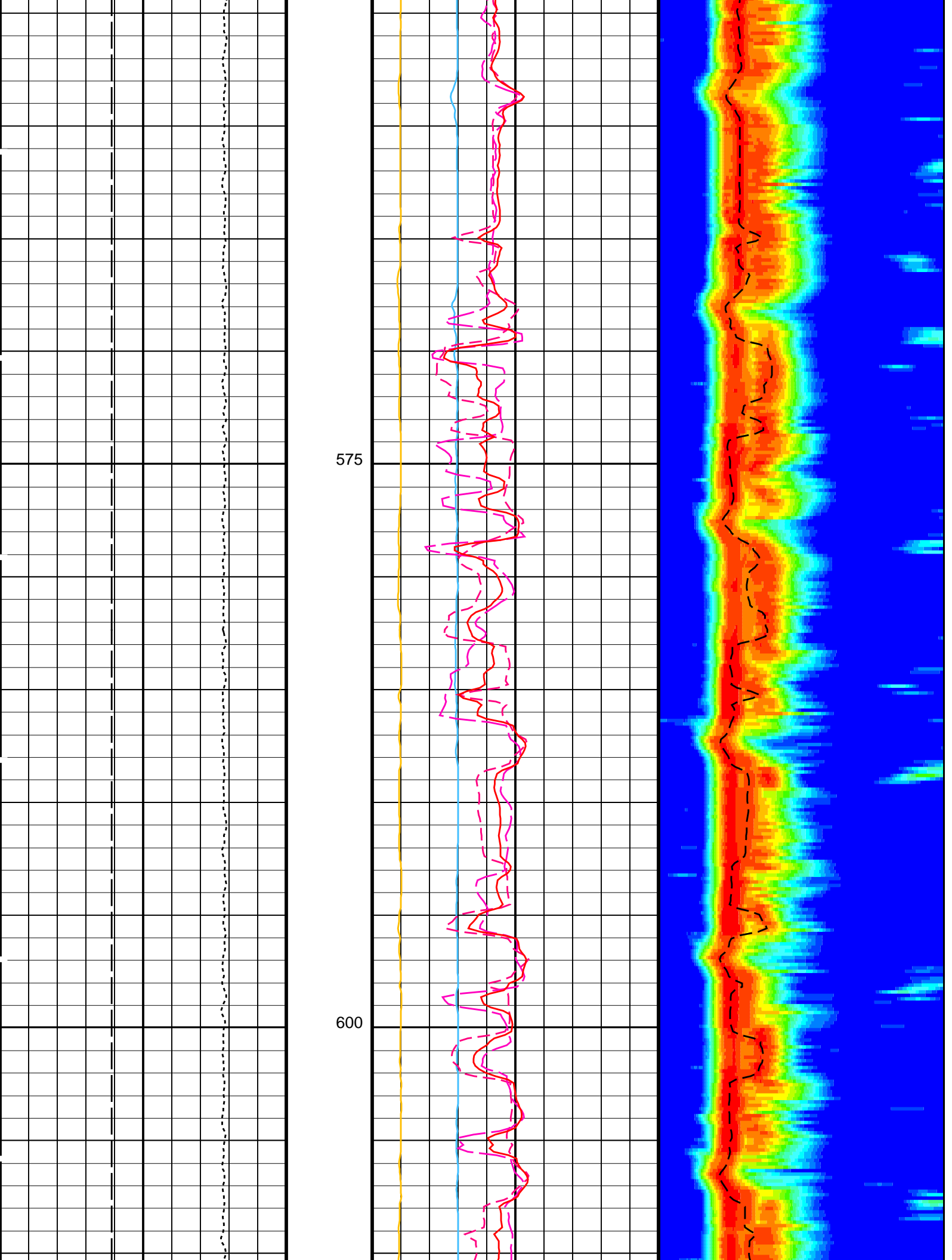
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DSST–B	19C0–187	HRLT–B	19C0–187
HLDS	19C0–187	LDSC–B	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	19C0–187		

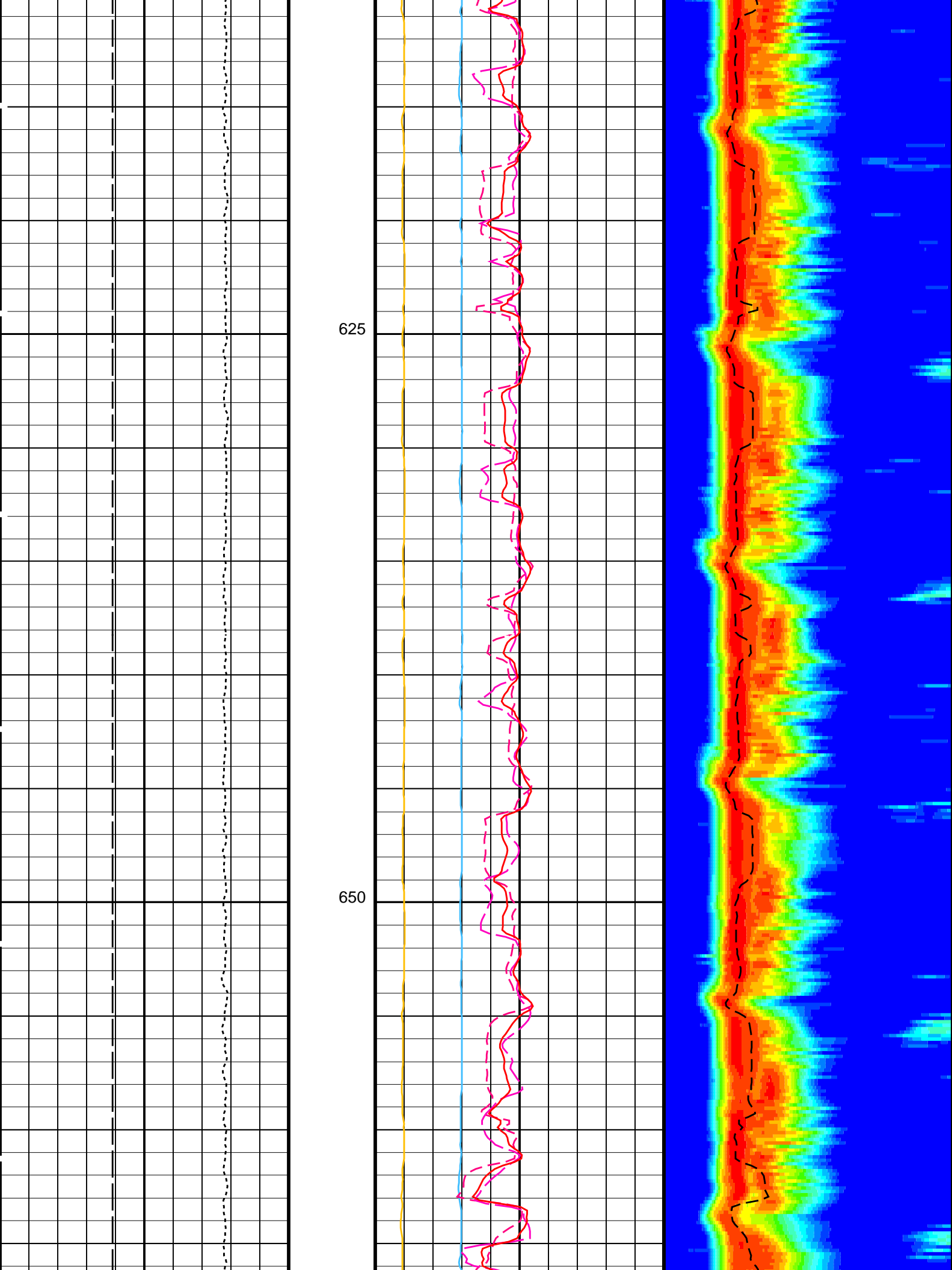
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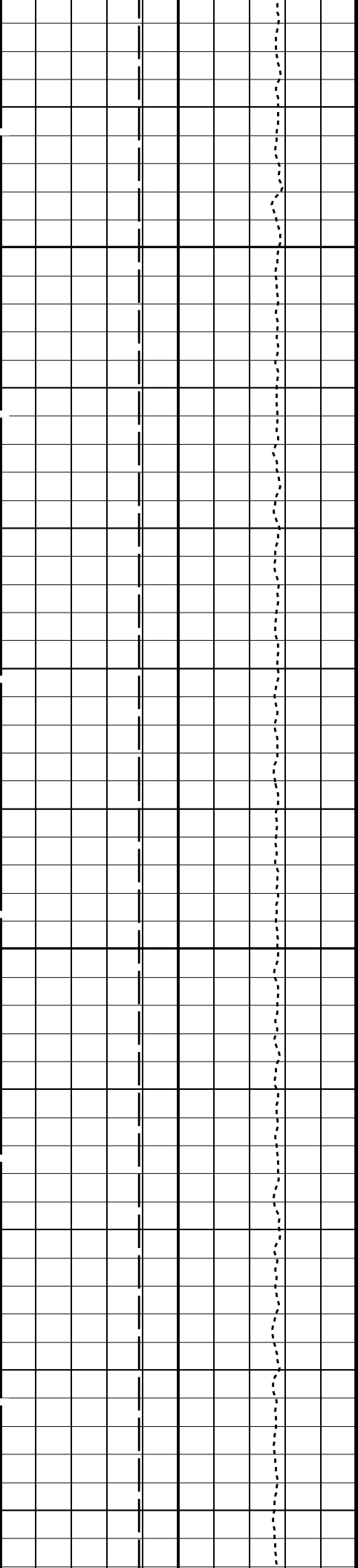
PIP SUMMARY

	Delta–T Shear / TA – Upper Dipole (DT2T) 440 ————— 40 (US/F)	
	Delta–T Shear / RA – Upper Dipole (DT2R) 440 - - - - - 40 (US/F)	
	Delta–T Shear – Upper Dipole (DT2)	



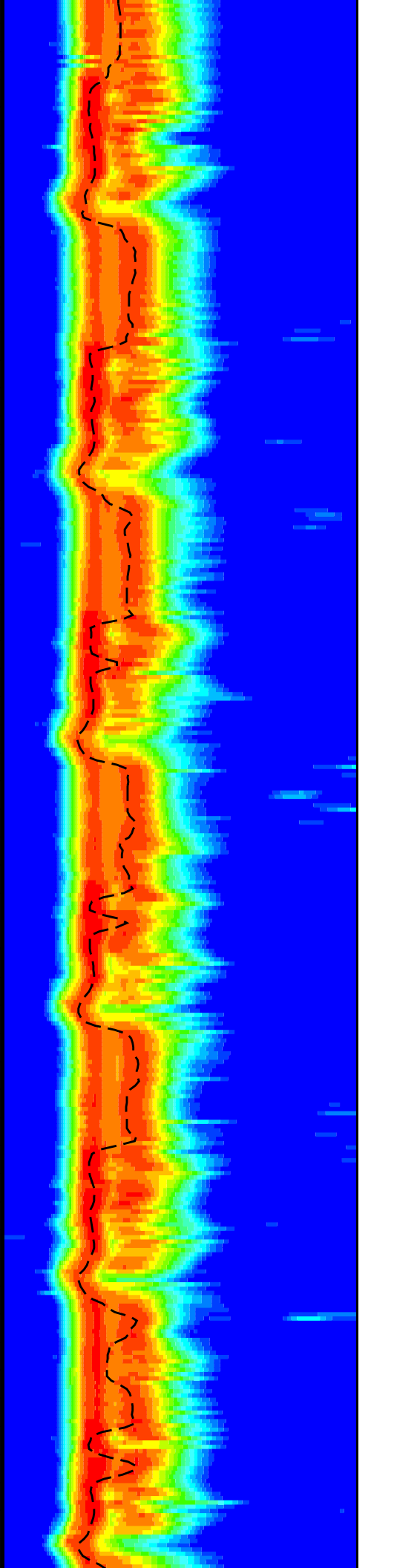
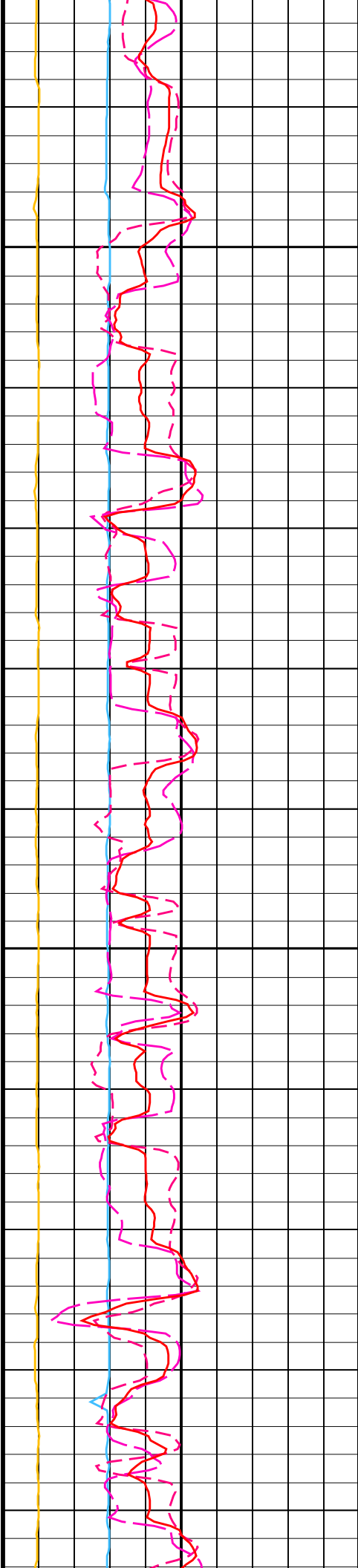


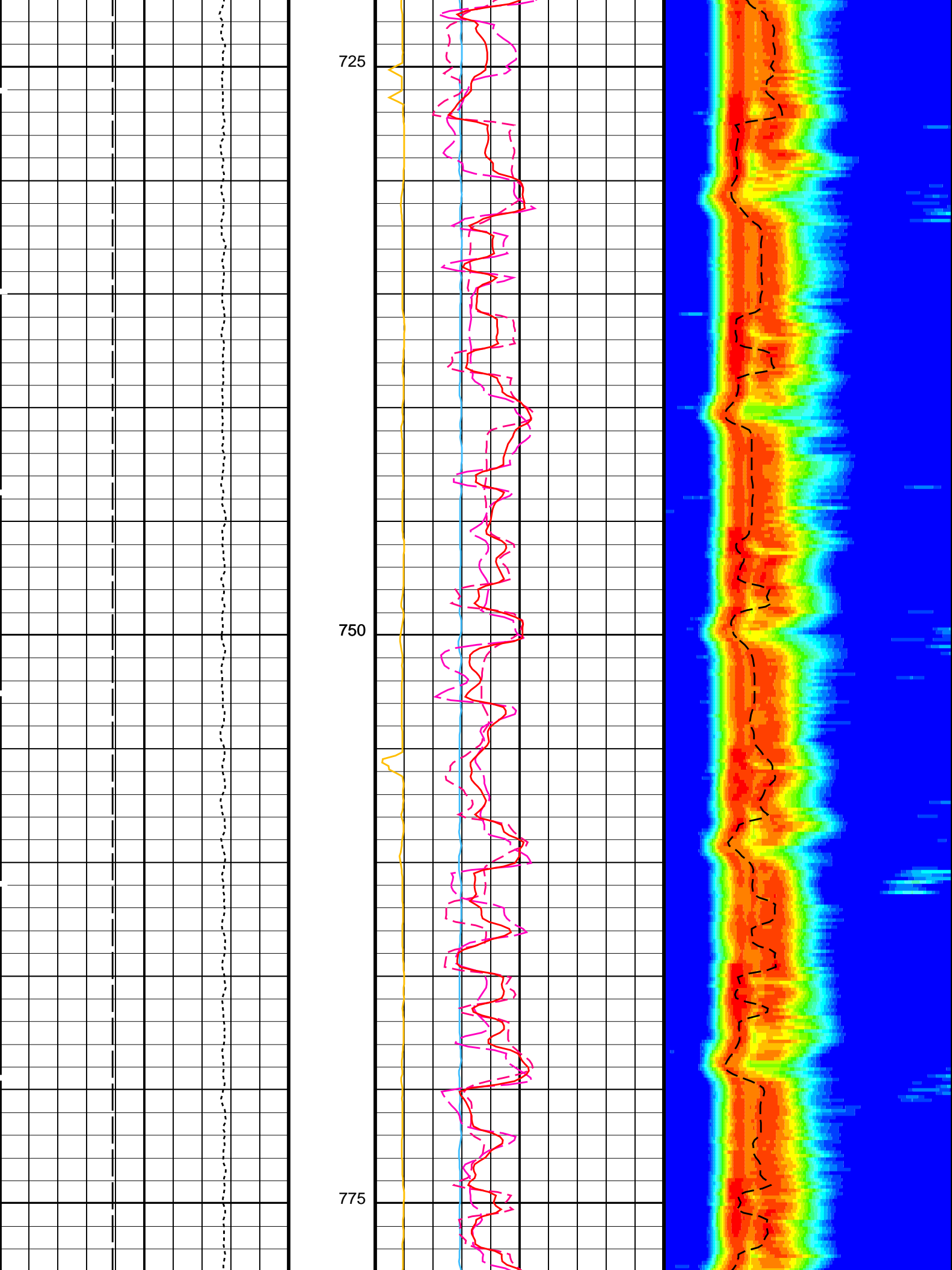


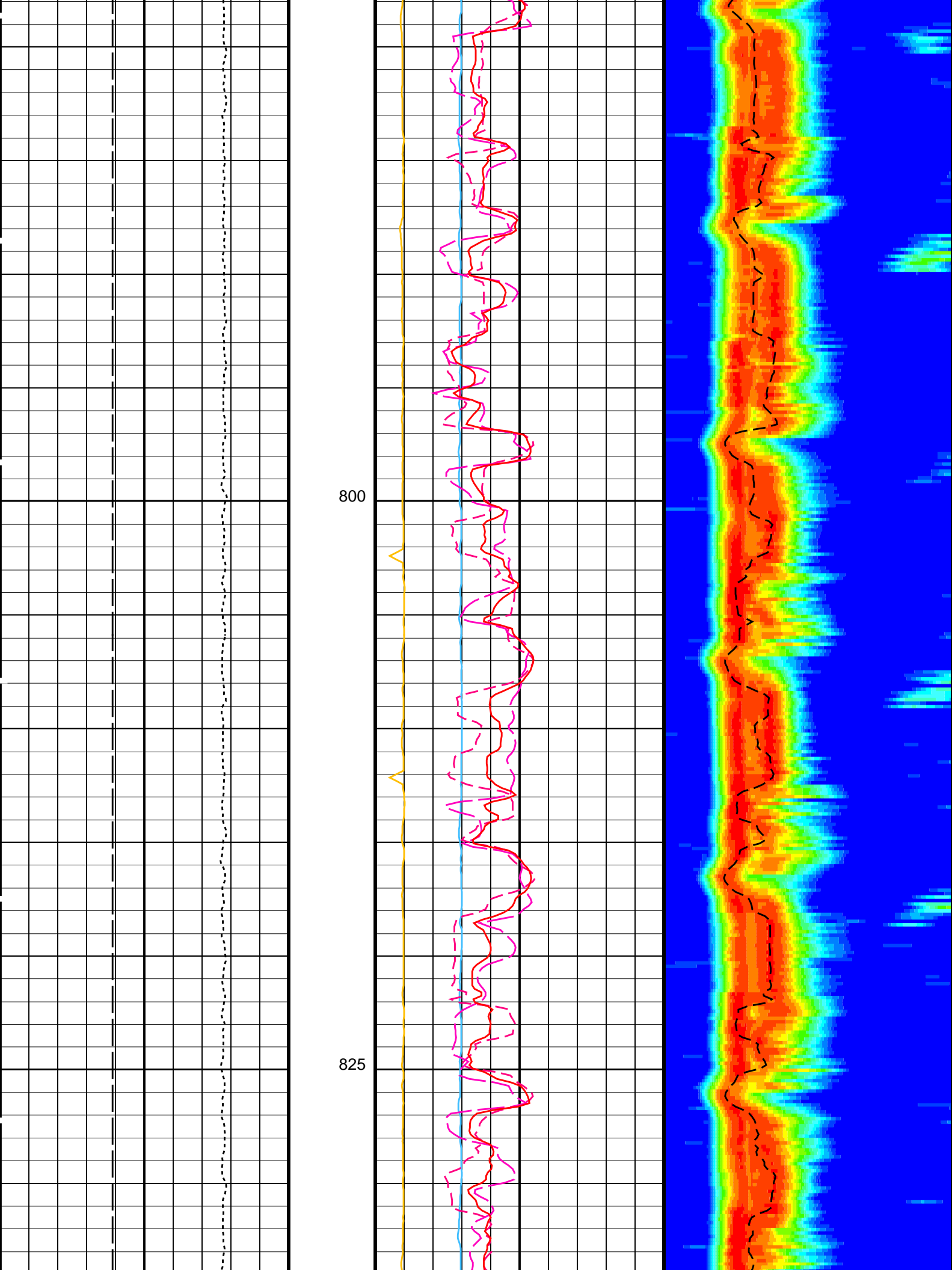


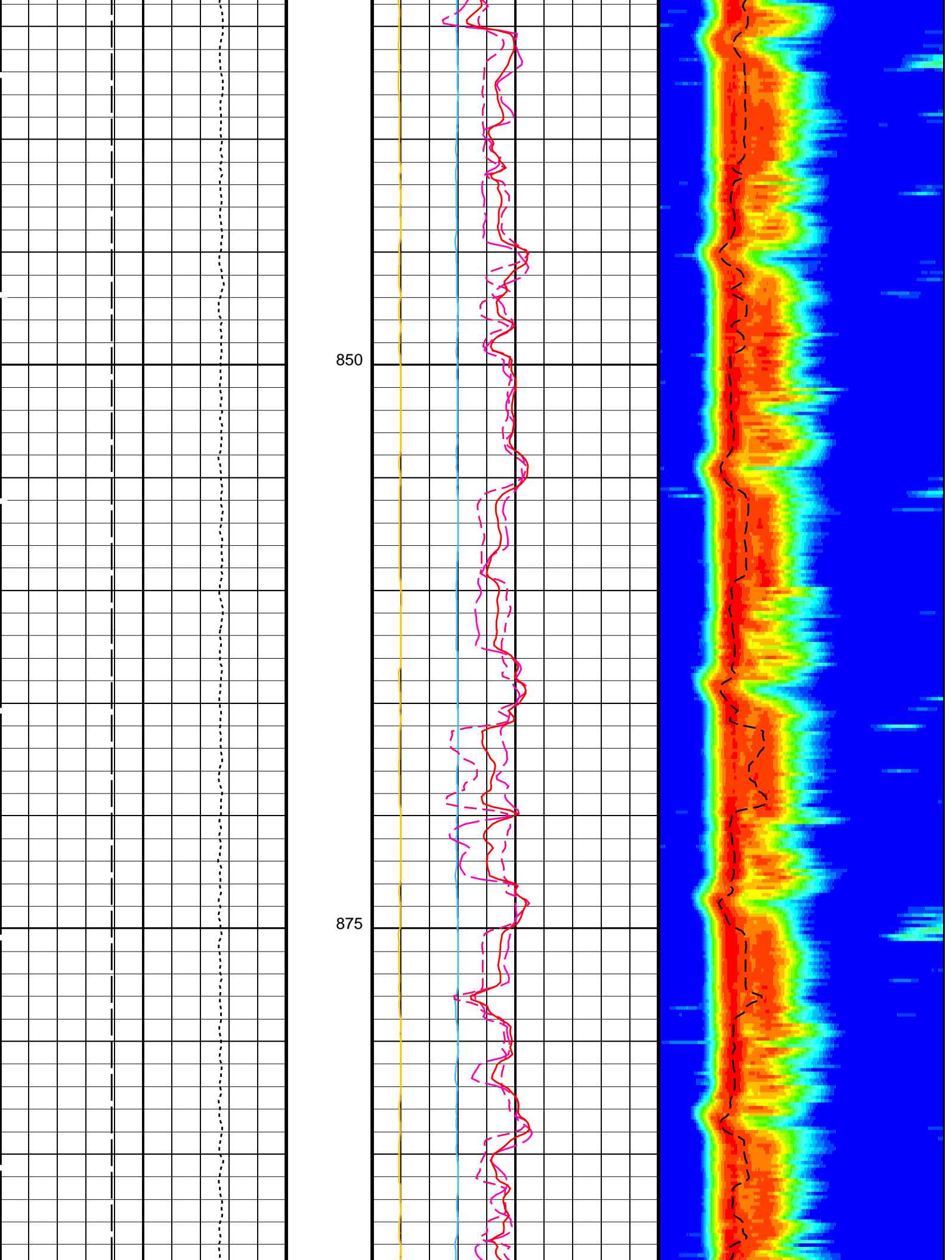
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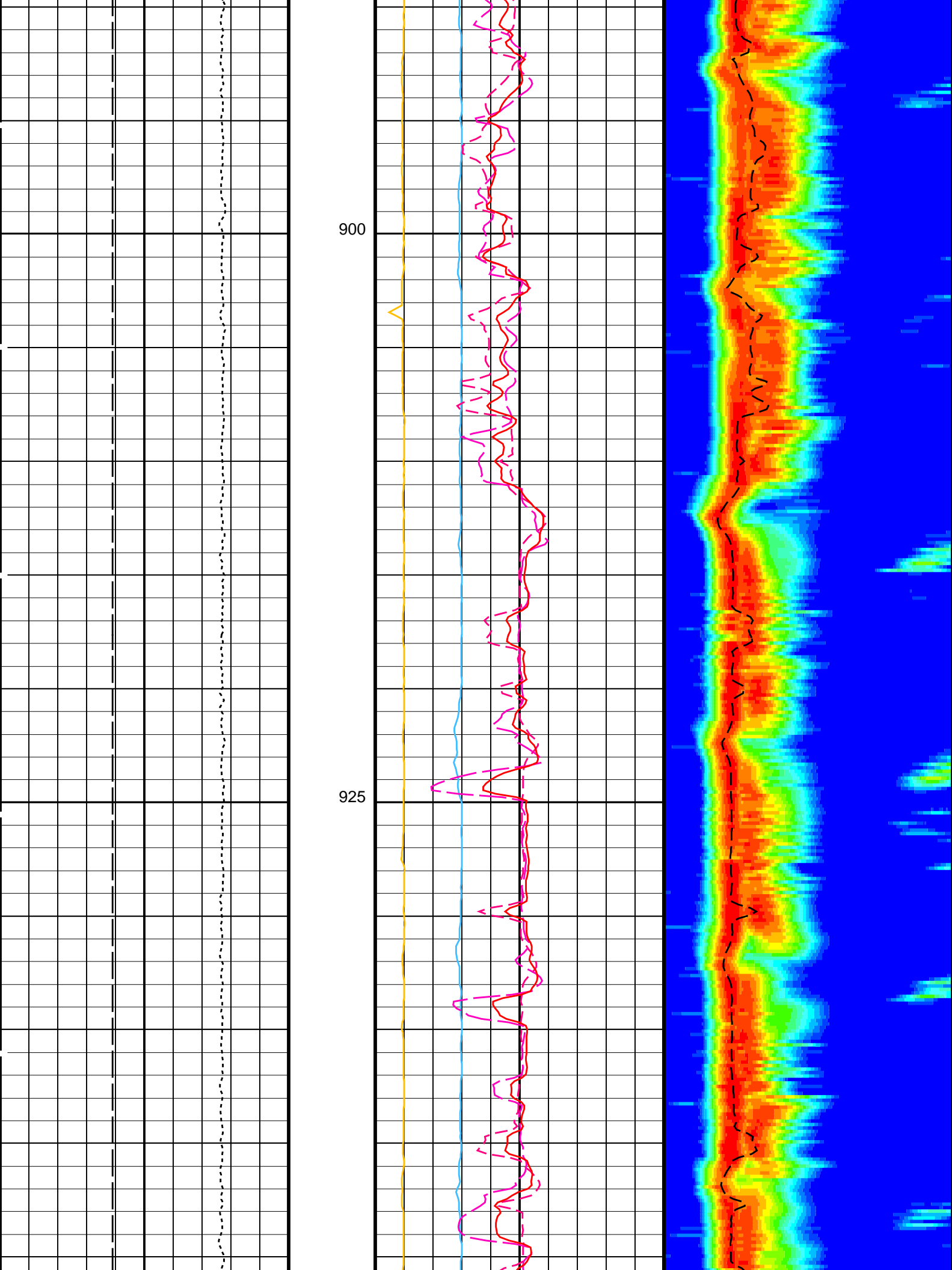
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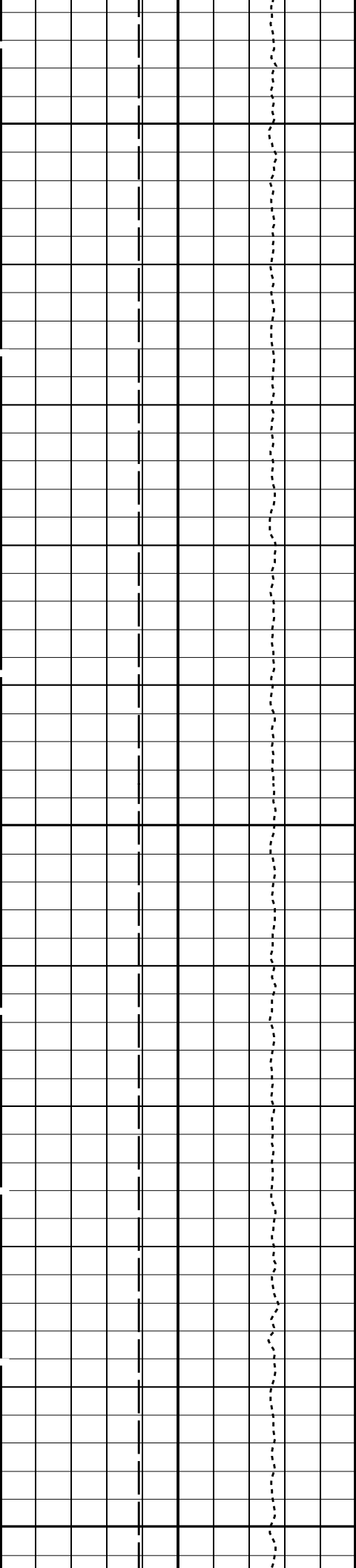








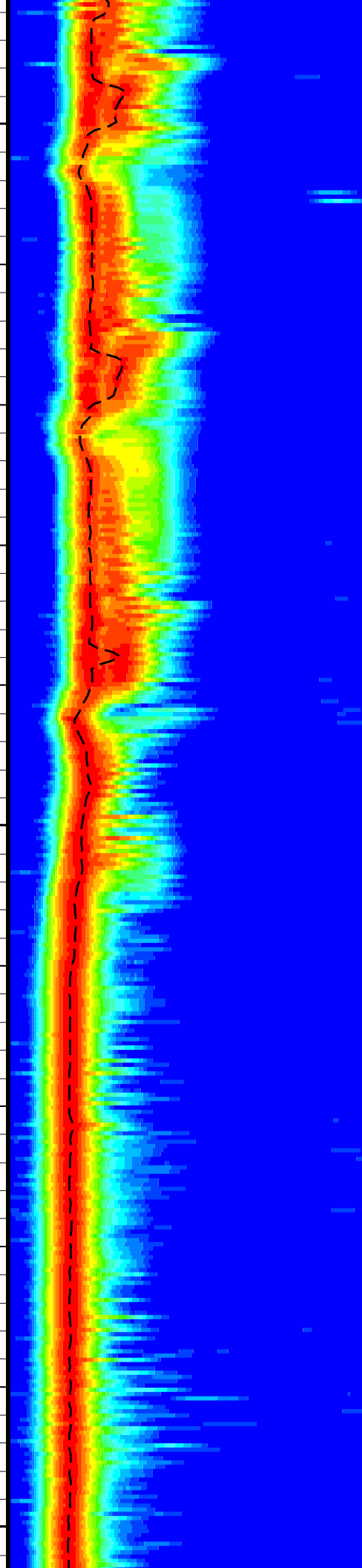
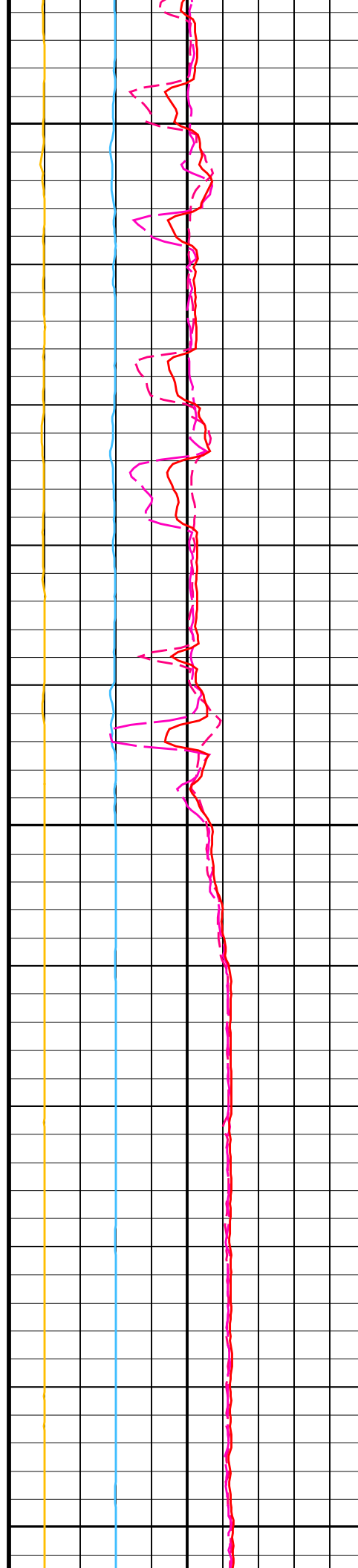


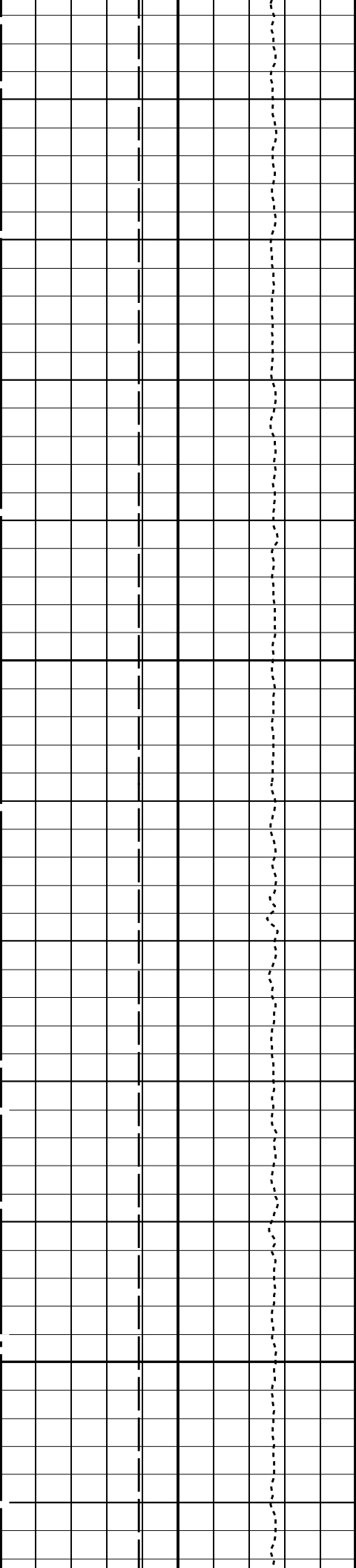


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975

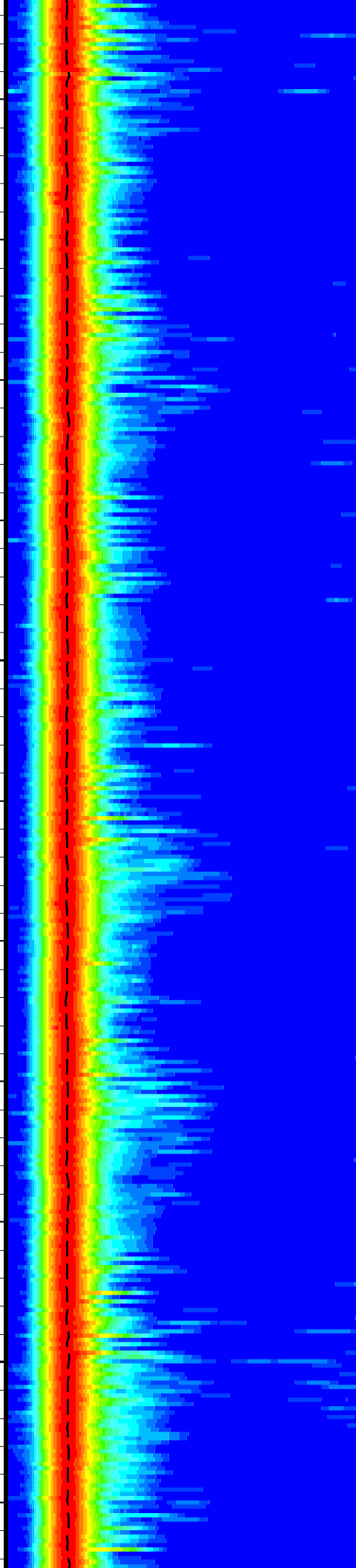
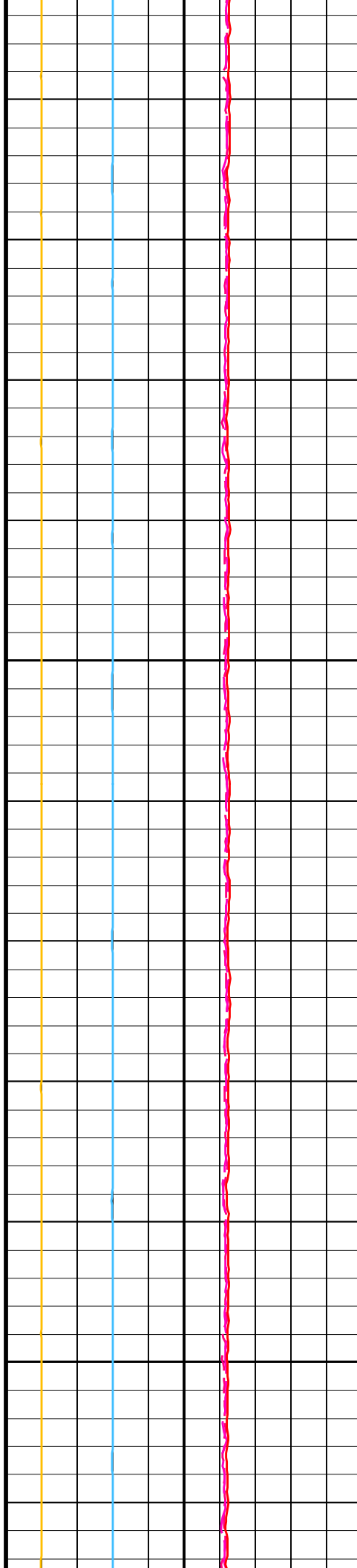
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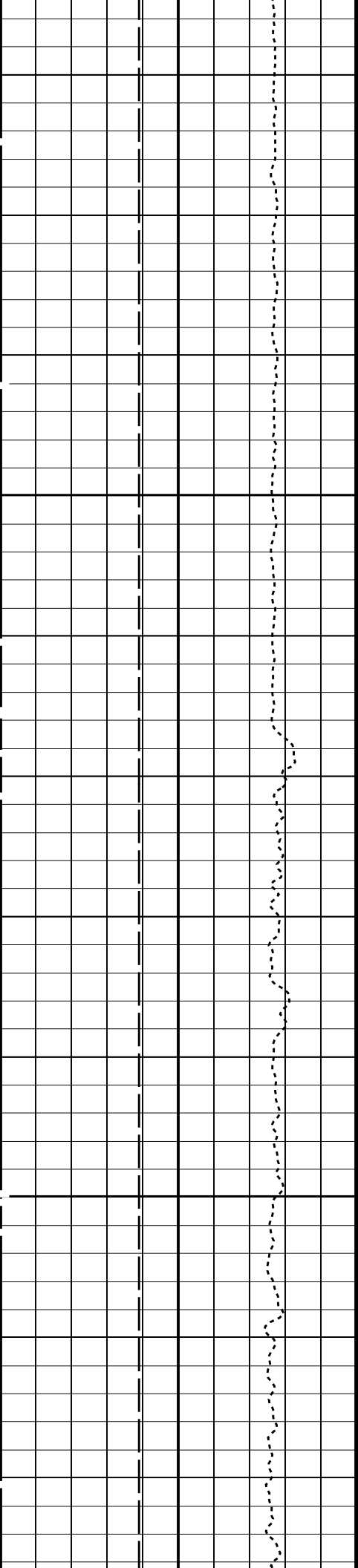




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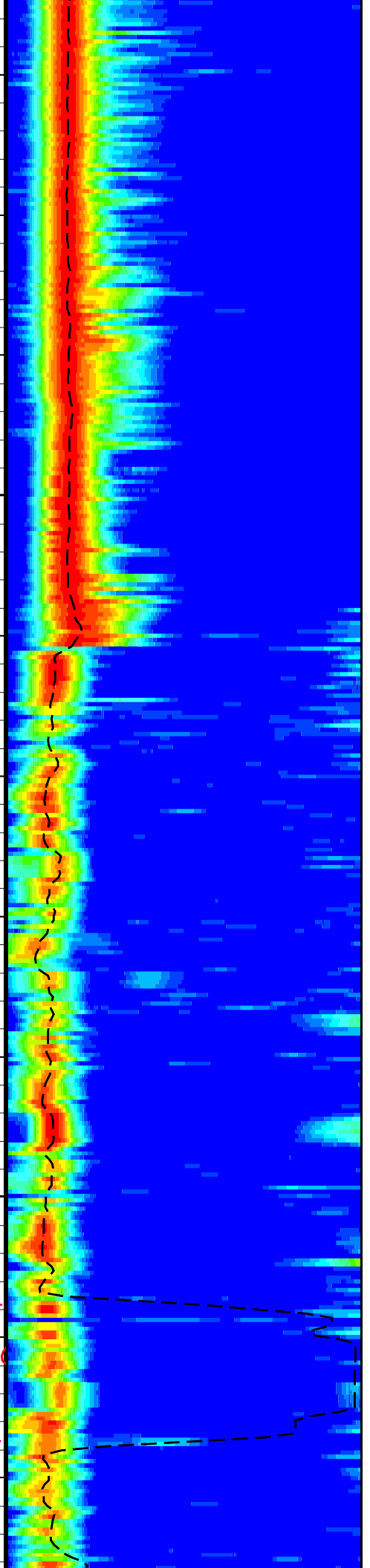
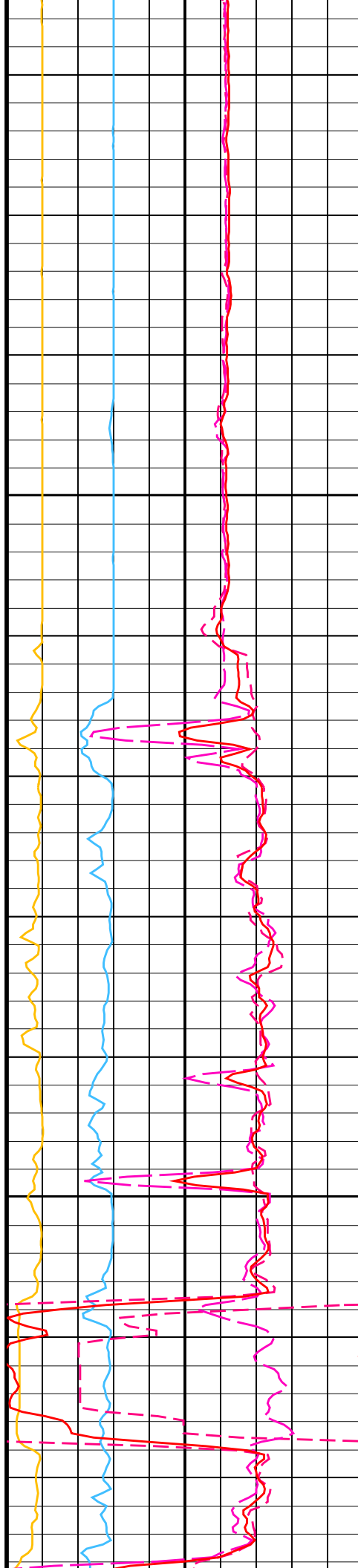
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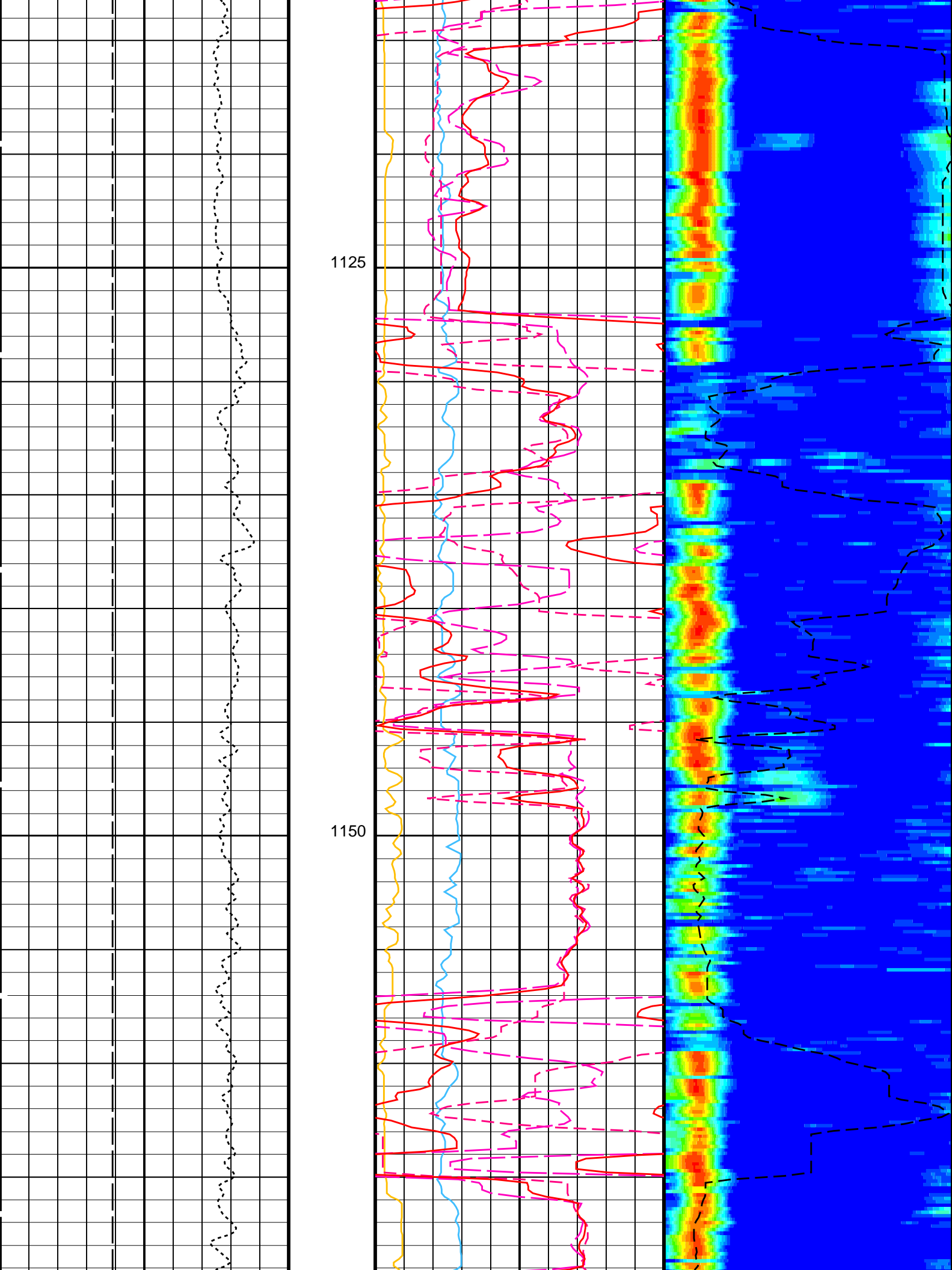


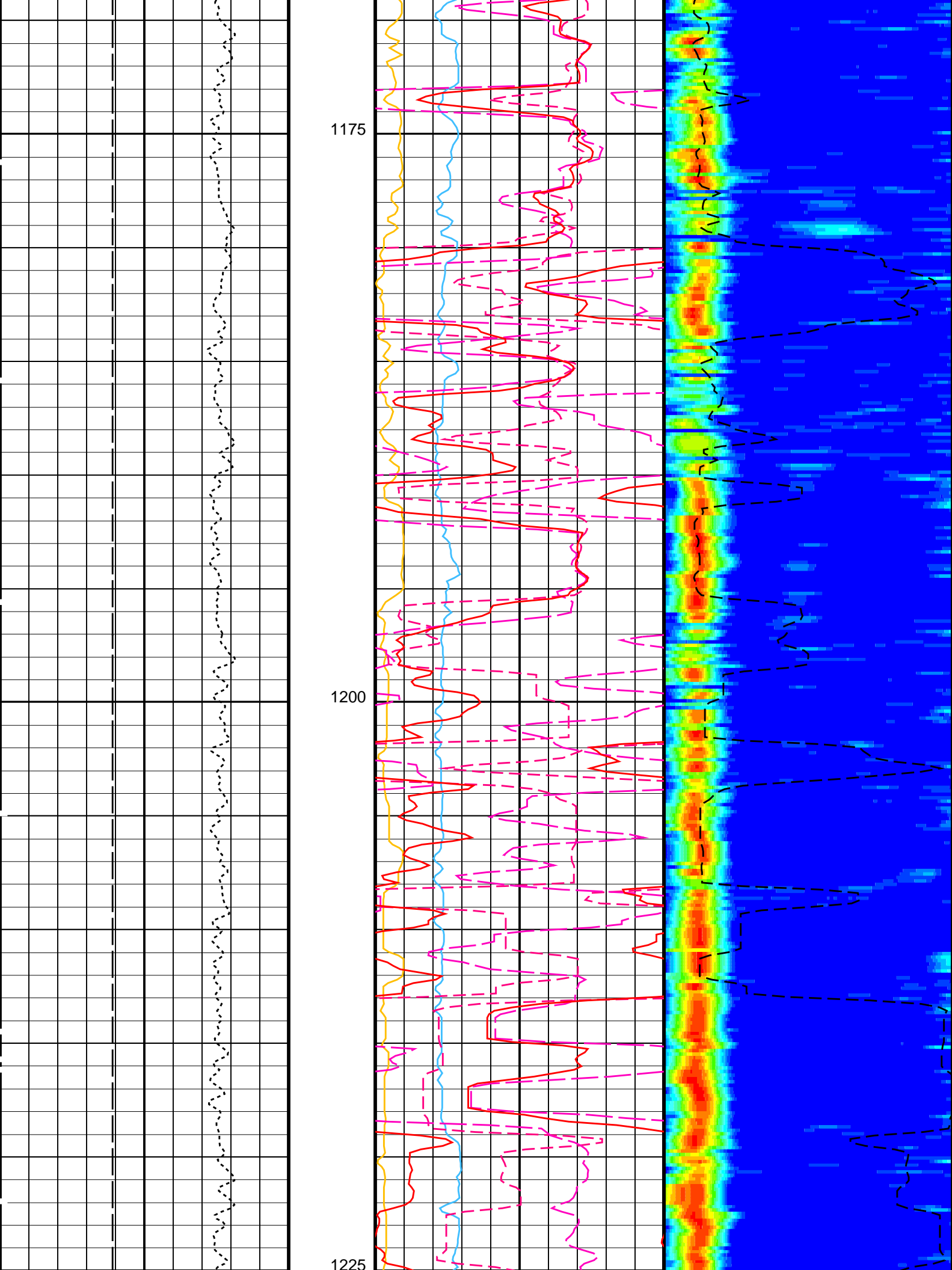


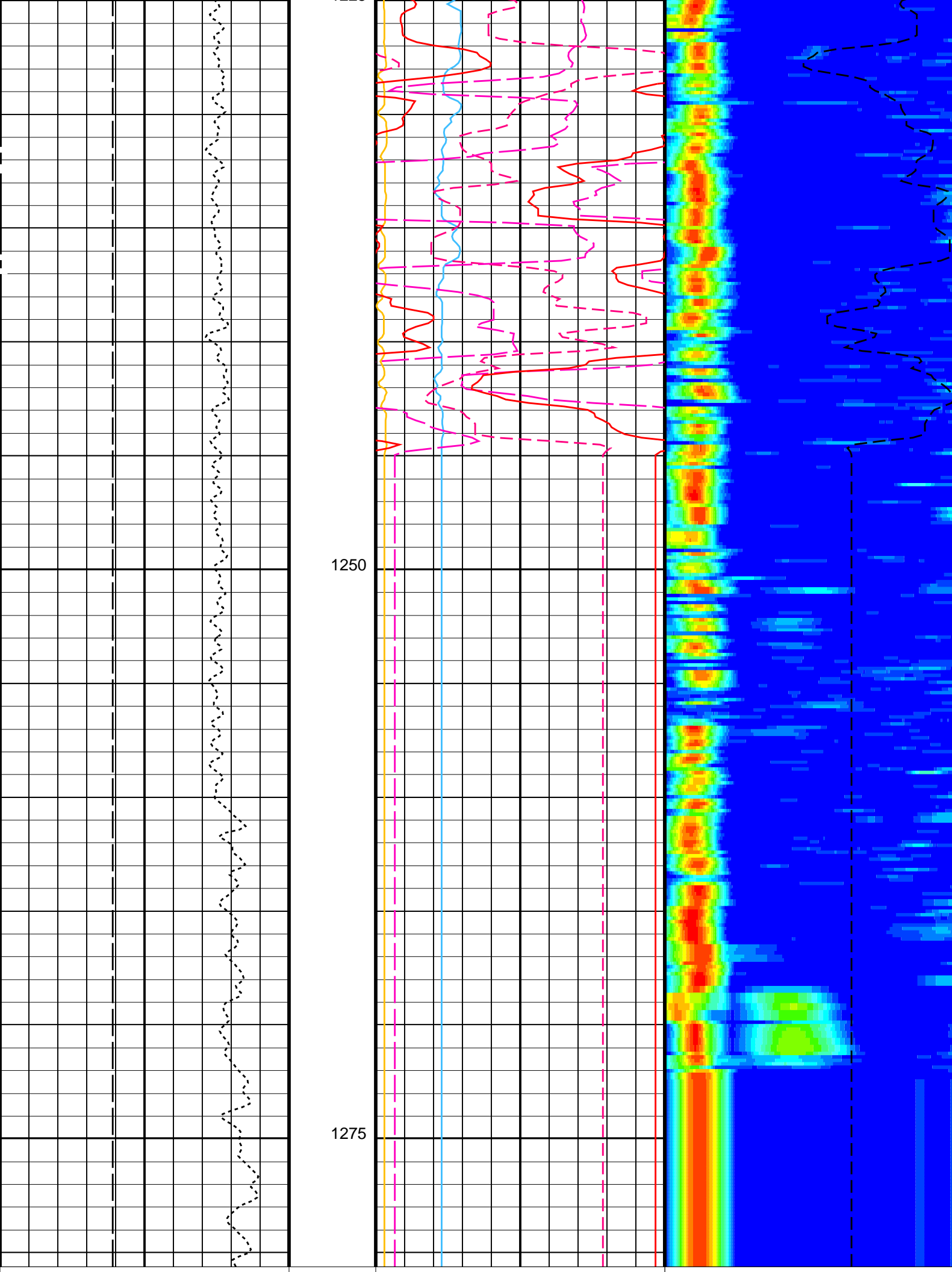
1075

1100









<div> <div> <div>6</div> <div>Bit Size (BS)</div> <div>(IN)</div> <div>16</div> </div> <div> <div>10000</div> <div>Tension (TENS)</div> <div>(LBF)</div> <div>0</div> </div> </div>		<div> <div> <div>0</div> <div>Peak Coherence / RA – Upper Dipole (CHR2)</div> <div>(-----)</div> <div>10</div> </div> <div> <div> <div>Peak Coherence / TA – Upper Dipole (CHT2)</div> <div>(-----)</div> <div>-2</div> <div>8</div> </div> </div> </div>	<div> <div> <div>75</div> <div>Delta-T Shear / RA – Upper Dipole (DT2R)</div> <div>(US/F)</div> <div>775</div> </div> <div> <div> <div>75</div> <div>Delta-T Shear / TA – Upper Dipole (DT2T)</div> <div>(US/F)</div> <div>40</div> </div> </div> </div>	<div> <div> <div>Min</div> <div>Amplitude</div> <div>Max</div> </div> <div> <div> <div>Rec.Array</div> <div>U.Dipole</div> <div>Slow Proj.</div> <div>CVDL</div> </div> </div> </div>
		<div> <div> <div>440</div> <div>Delta-T Shear – Upper Dipole (DT2)</div> <div>(US/F)</div> <div>40</div> </div> <div> <div> <div>440</div> <div>Delta-T Shear / RA – Upper Dipole (DT2R)</div> <div>(US/F)</div> <div>40</div> </div> </div> </div>		
		<div> <div> <div>440</div> <div>Delta-T Shear / RA – Upper Dipole (DT2R)</div> <div>(US/F)</div> <div>40</div> </div> </div>		
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PIP SUMMARY

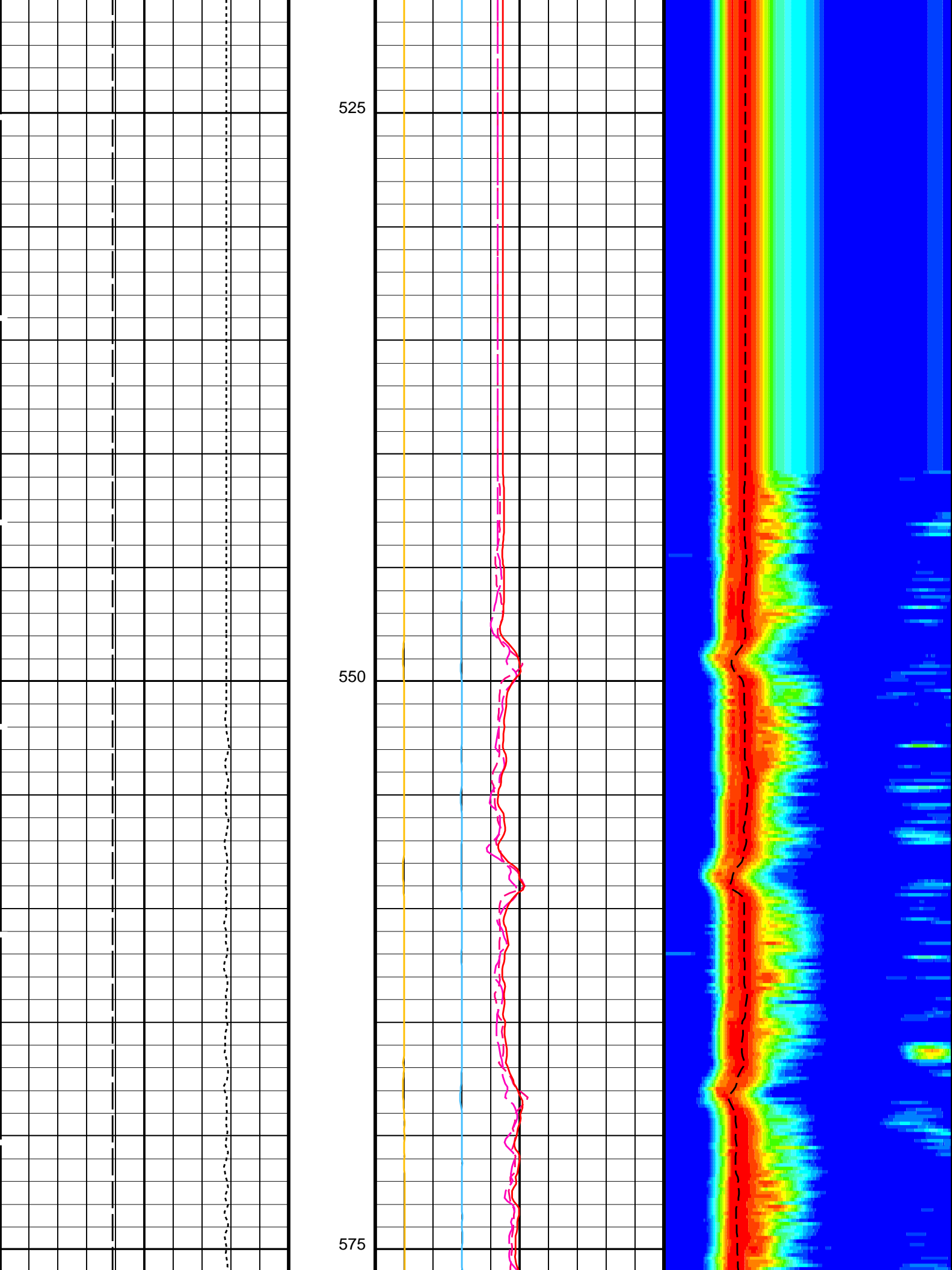
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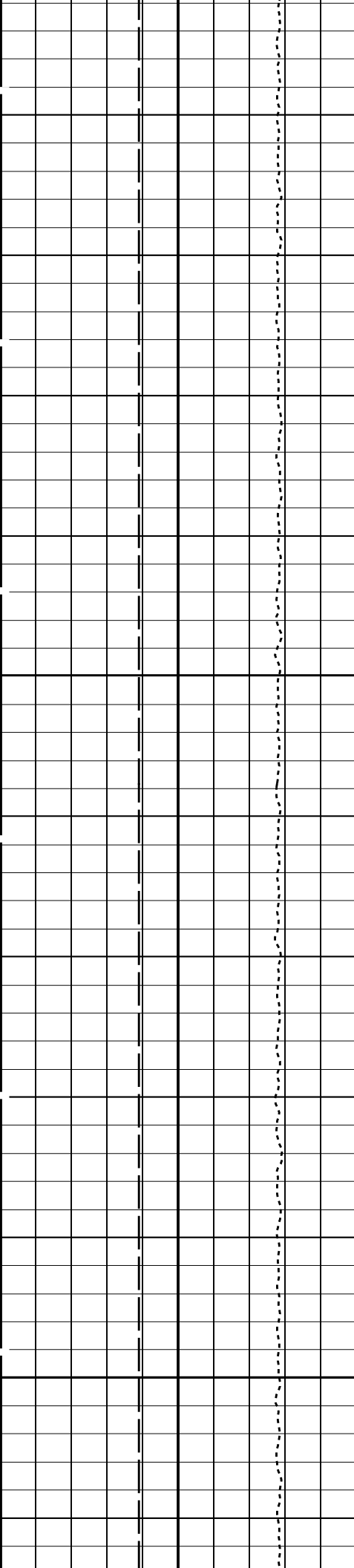
Parameters

DLIS Name	Description	Value
DSST-B: Dipole Shear Imager – B		
DDE2	Digitizing Delay 2	0
DDEX	Digitizing Delay X	0
DLCS	Label Compressional Source – Dipole Shear	USE
DSHL	Label Slowness Lower Limit – Dipole Shear	75
DSHU	Label Slowness Upper Limit – Dipole Shear	775
DSI2	Digitizer Sample Interval 2	40
DSIX	Digitizer Sample Interval X	40
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	0
NWIX	Number Waveform Items X	0
RX1G	Receiver 1 Geometry	294
RX2G	Receiver 2 Geometry	300
RX3G	Receiver 3 Geometry	306
RX4G	Receiver 4 Geometry	312
RX5G	Receiver 5 Geometry	318
RX6G	Receiver 6 Geometry	324
RX7G	Receiver 7 Geometry	330
RX8G	Receiver 8 Geometry	336
SAM2	DSST Sonic Acquisition Mode 2 – Upper Dipole Mode	OFF
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
SBW2	STC Search Bandwidth – Upper Dipole	8000
SFC2	STC Formation Character – Upper Dipole	SELECTABLE
SFM2	STC Filter – Upper Dipole	B1–3K
SLL2	STC Slowness Lower Limit – Upper Dipole	75
SST2	STC Slowness Step – Upper Dipole	4
SSW2	STC Source Waveform – Upper Dipole	WF_SAM2
SUL2	STC Slowness Upper Limit – Upper Dipole	775
SWD2	STC Slowness Width – Upper Dipole	40
TBF2	STC Time for Baseline Fill – Upper Dipole	0
TLL2	STC Time Lower Limit – Upper Dipole	600
TST2	STC Time Step – Upper Dipole	200
TUL2	STC Time Upper Limit – Upper Dipole	13525
TWD2	STC Time Width – Upper Dipole	2000
TWI2	STC Integration Time Window – Upper Dipole	1600
TWSX	Transmitter Waveform Select X	0
UTXG	Upper Dipole Transmitter Geometry	162
System and Miscellaneous		
BS	Bit Size	9.875
DO	Depth Offset for Playback	0.0
PP	Playback Processing	NORMAL

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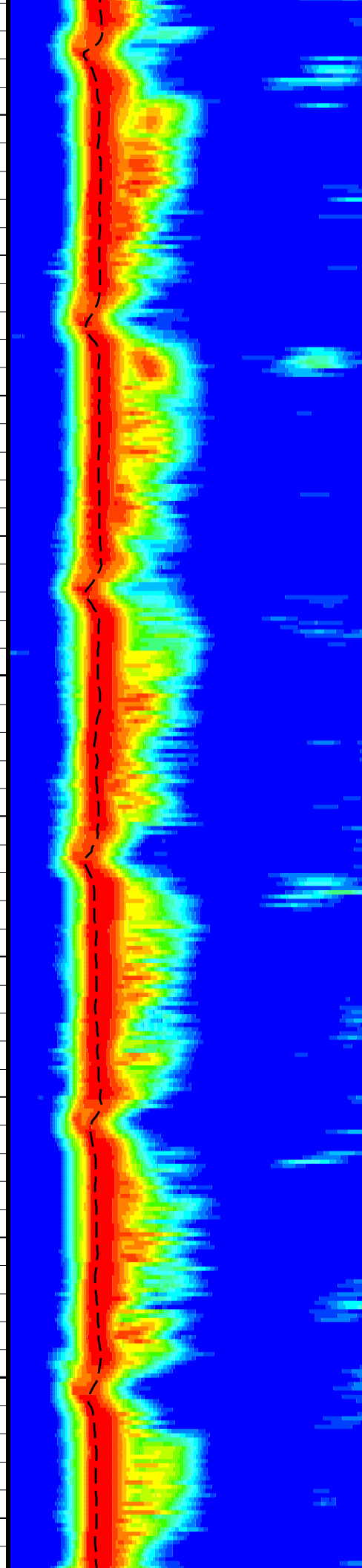
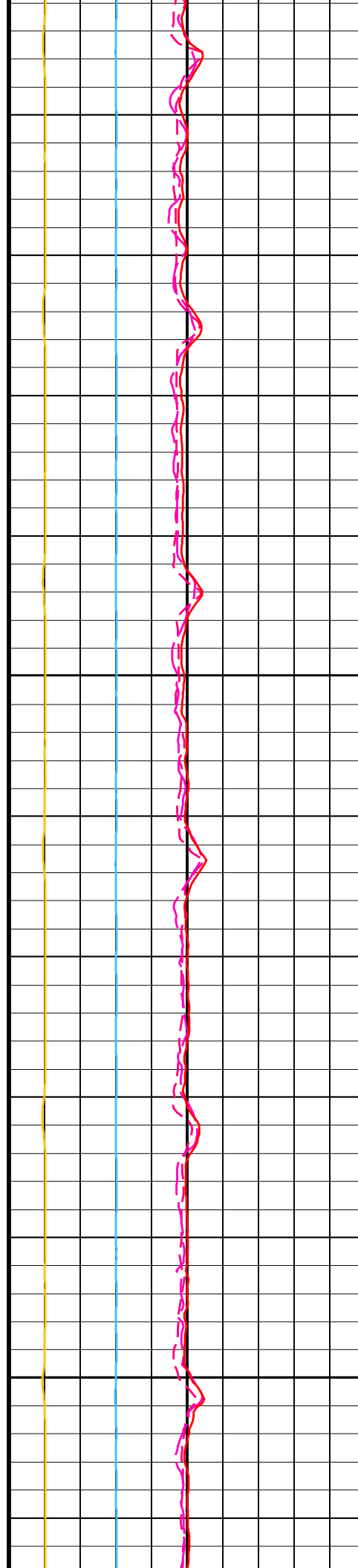
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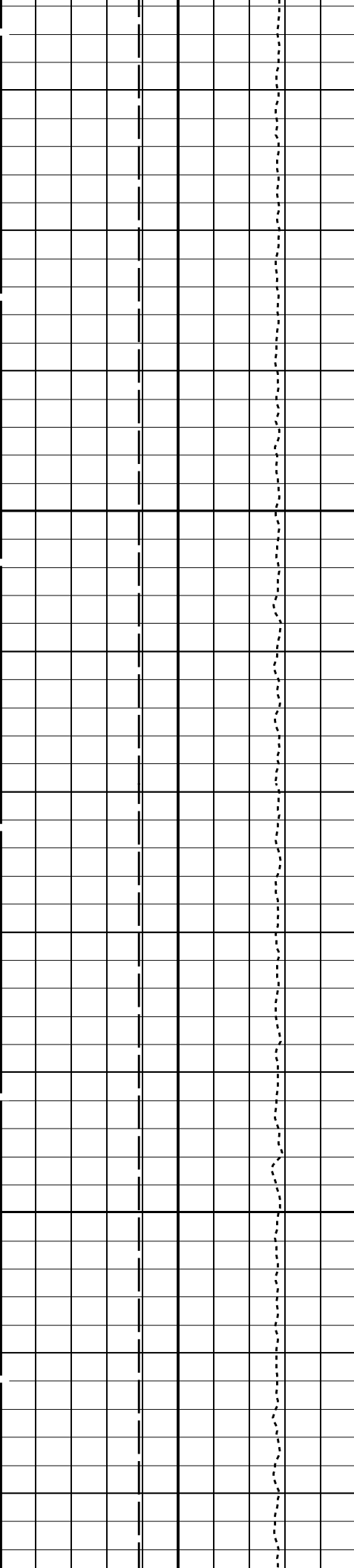




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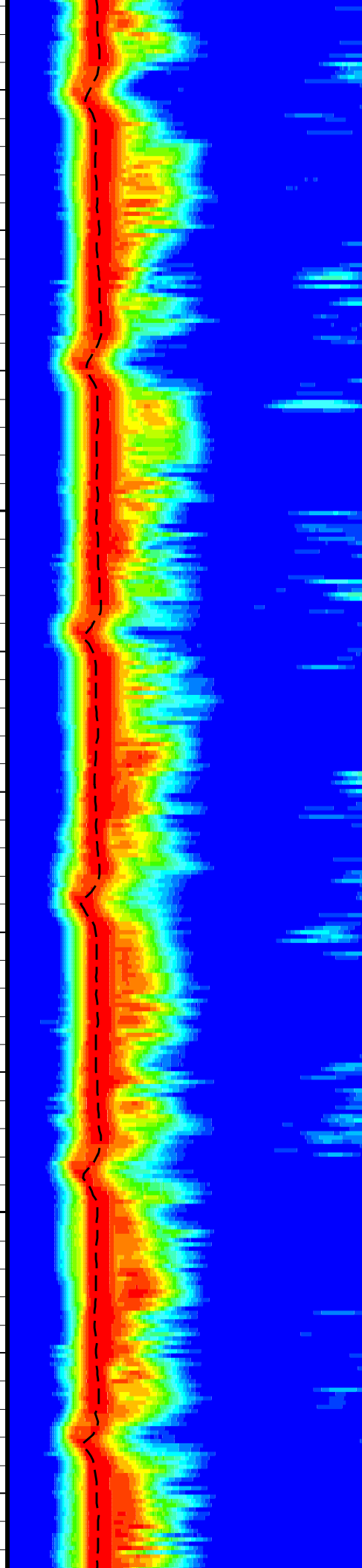
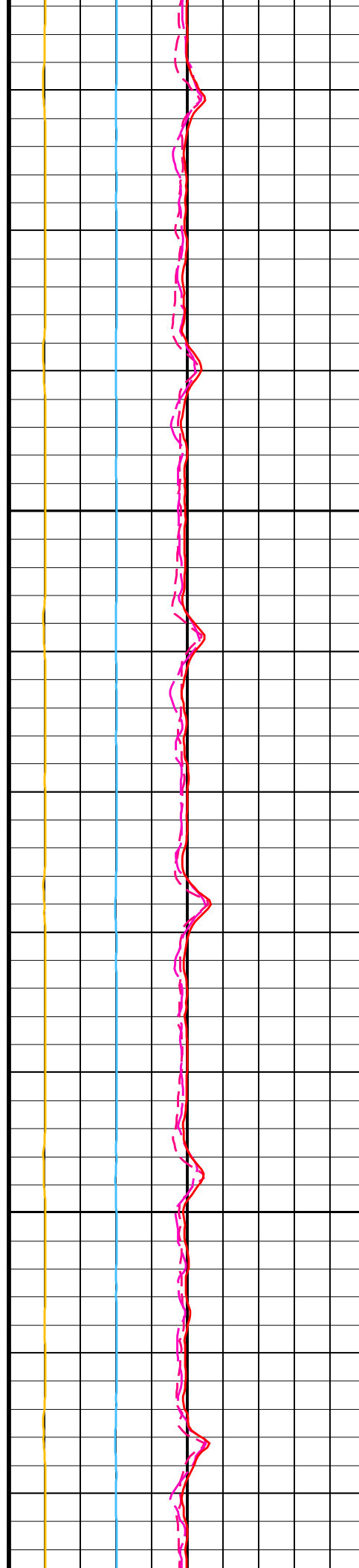
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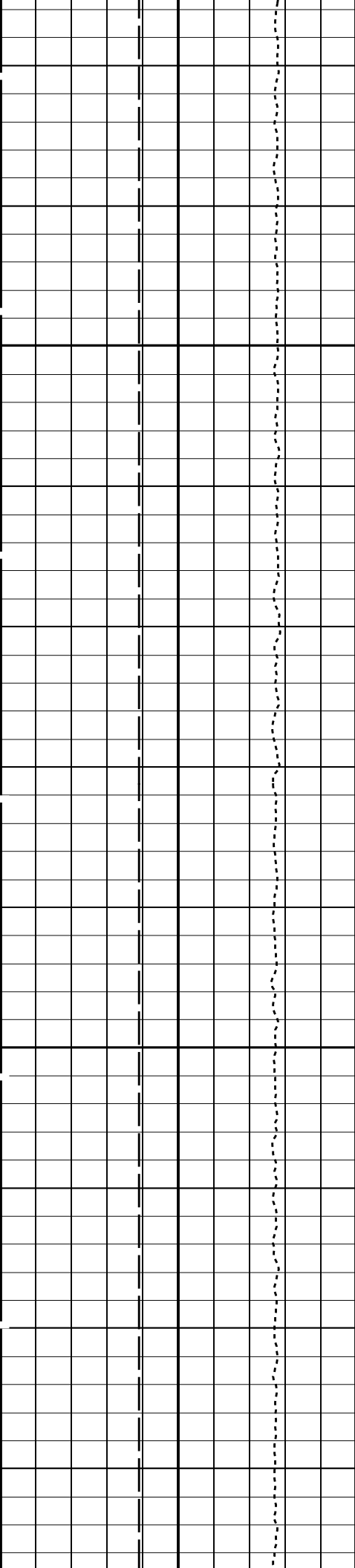




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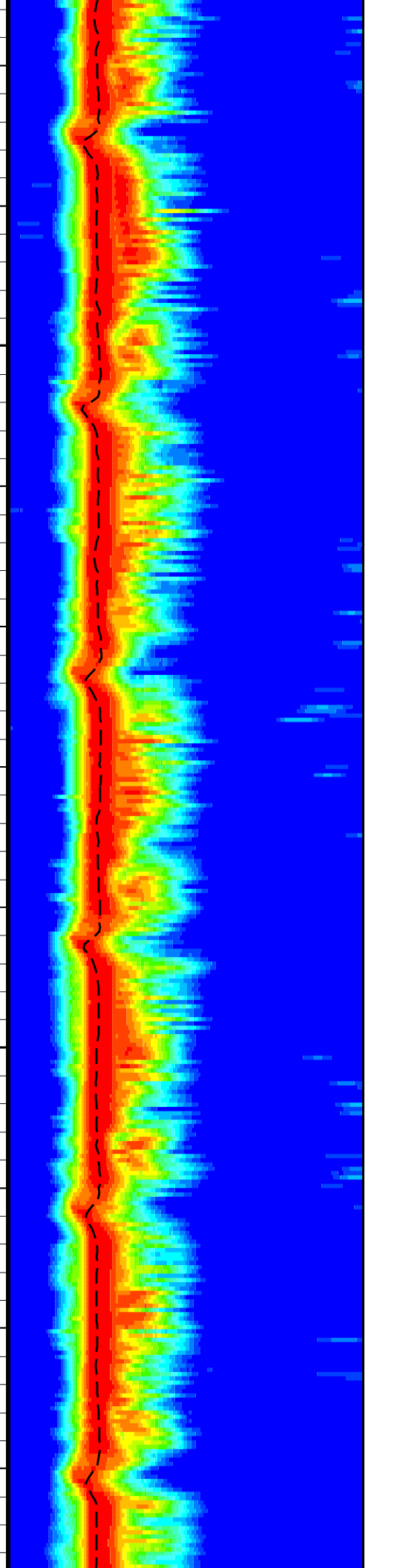
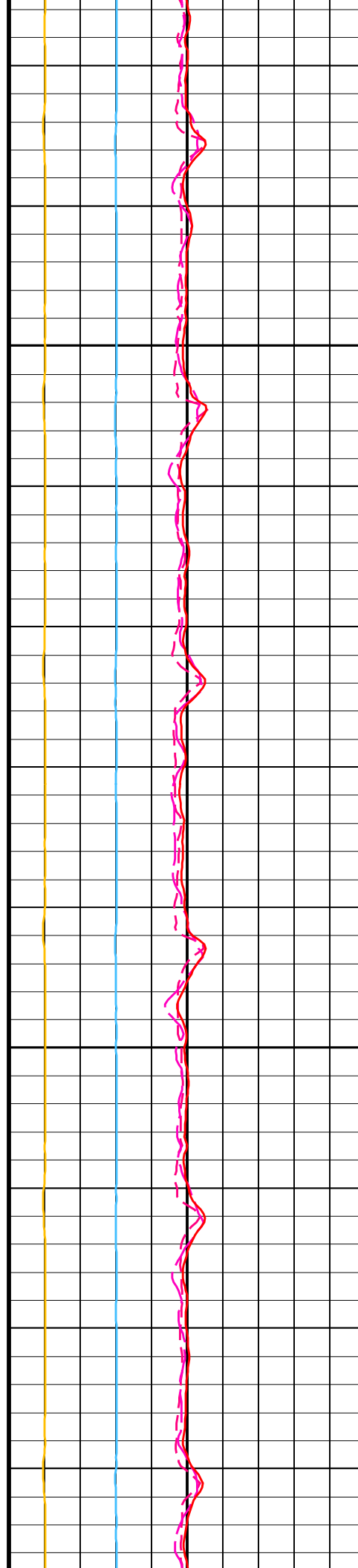
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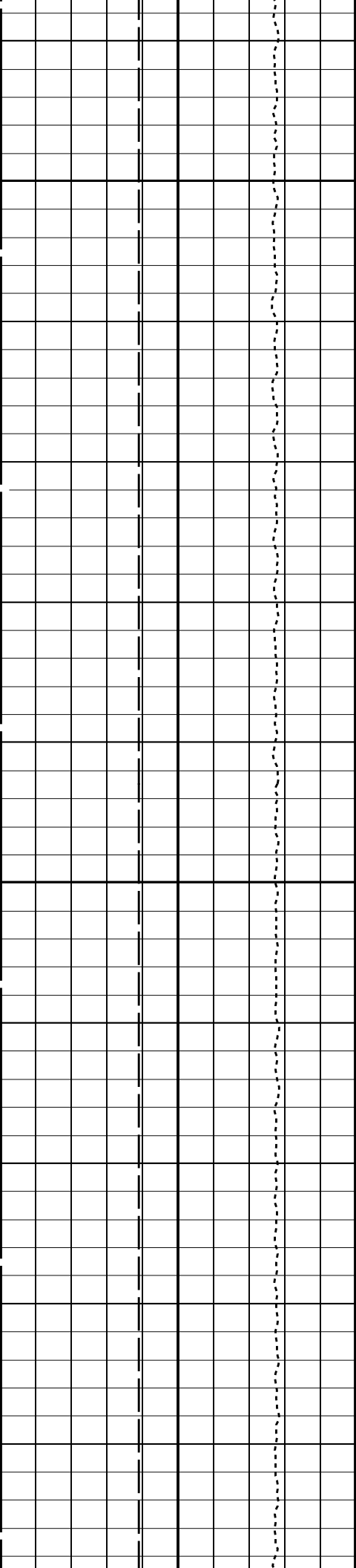




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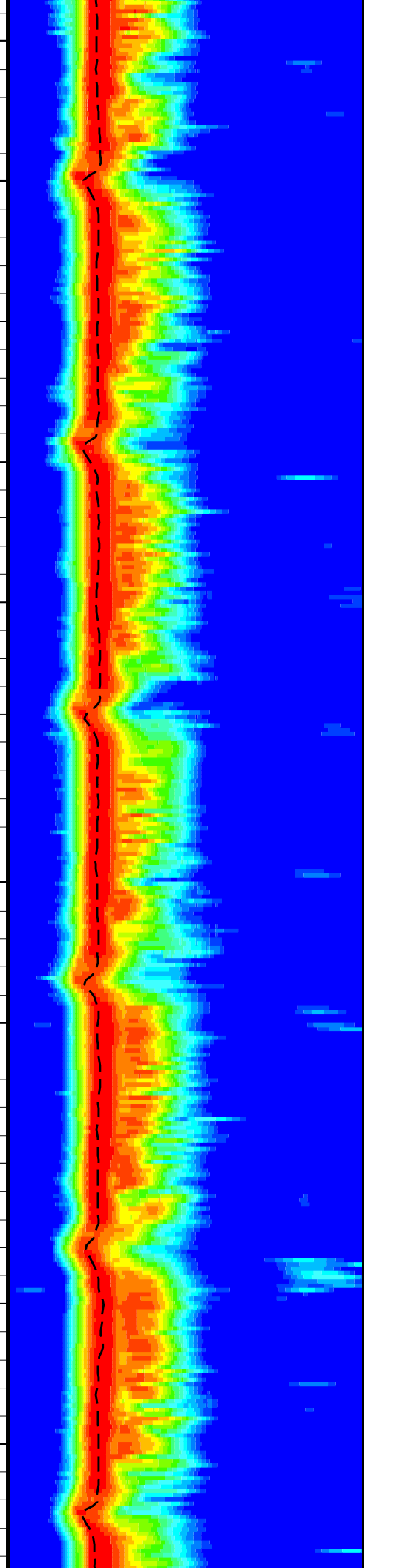
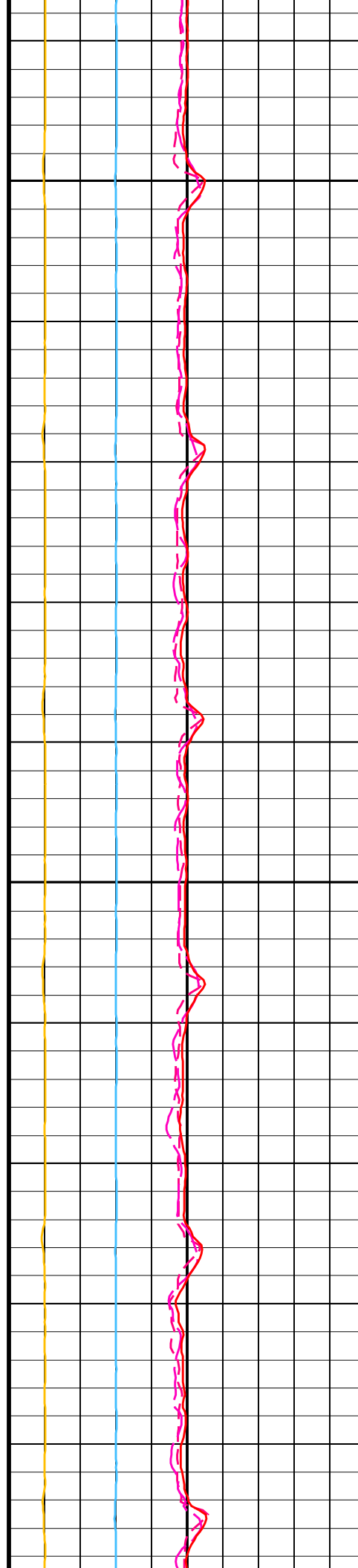
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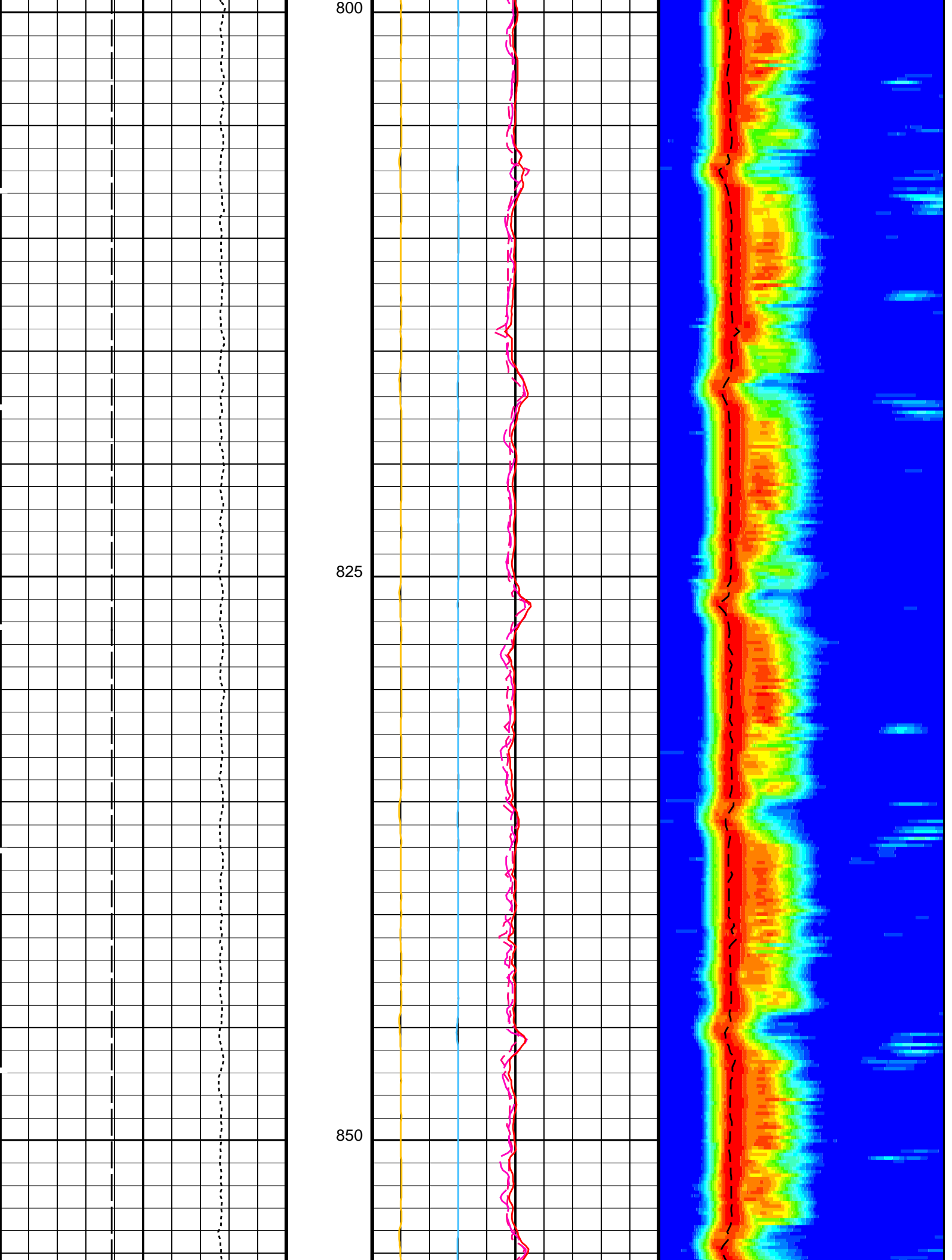


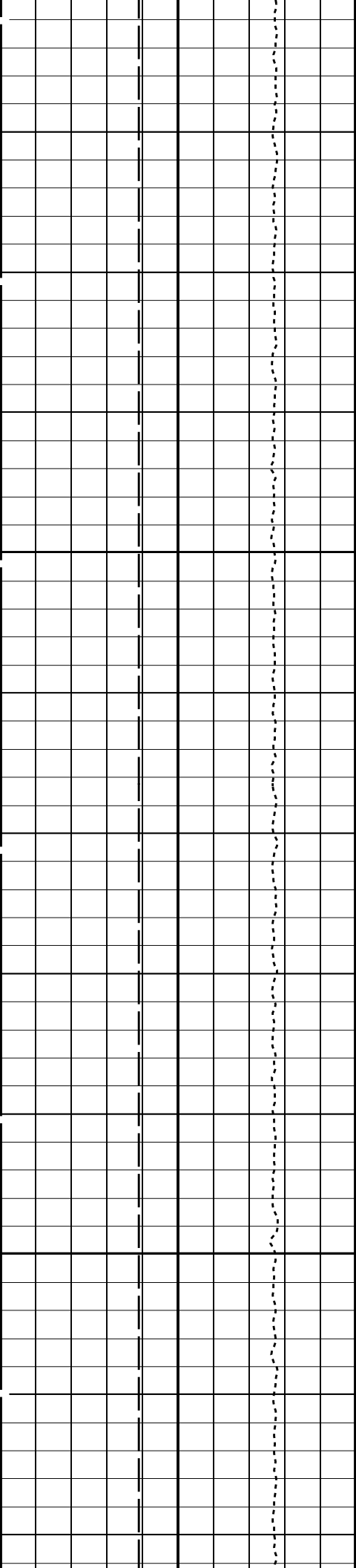


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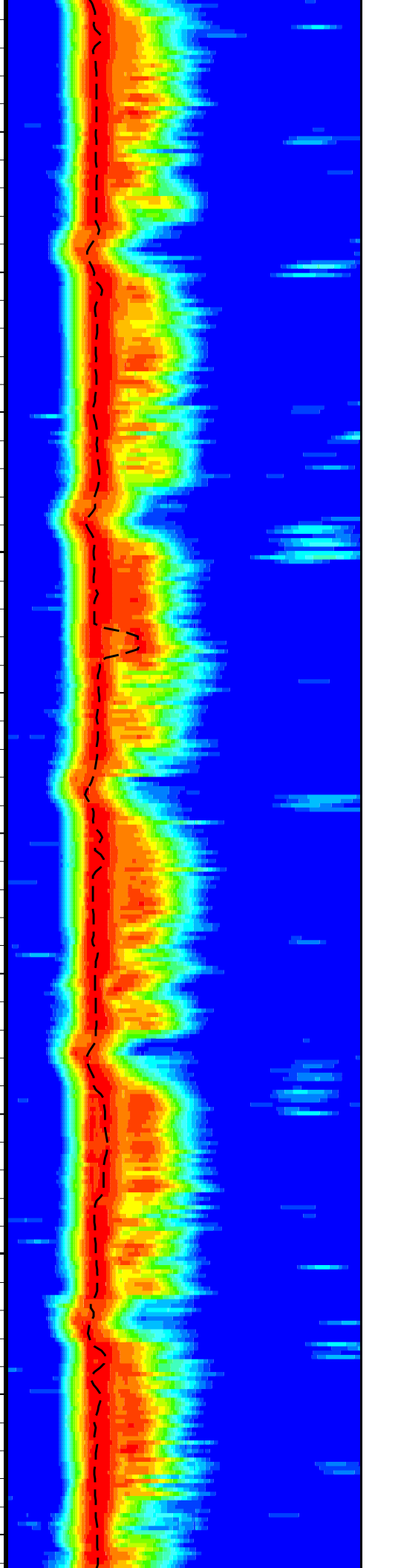
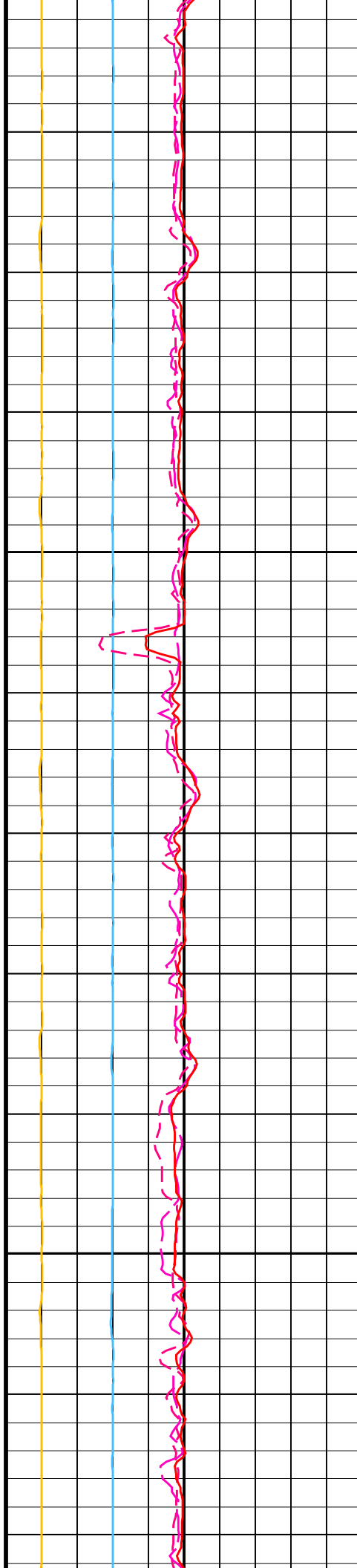


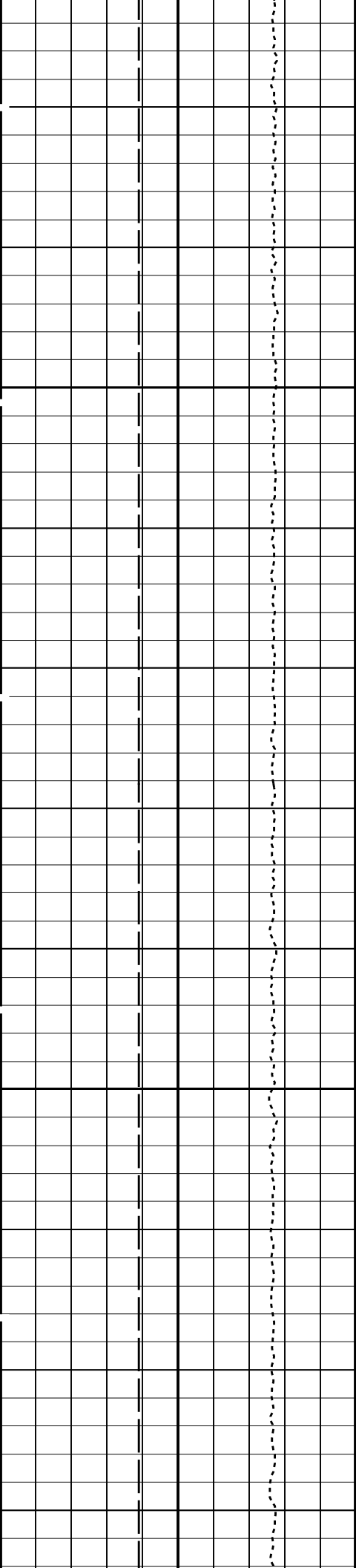




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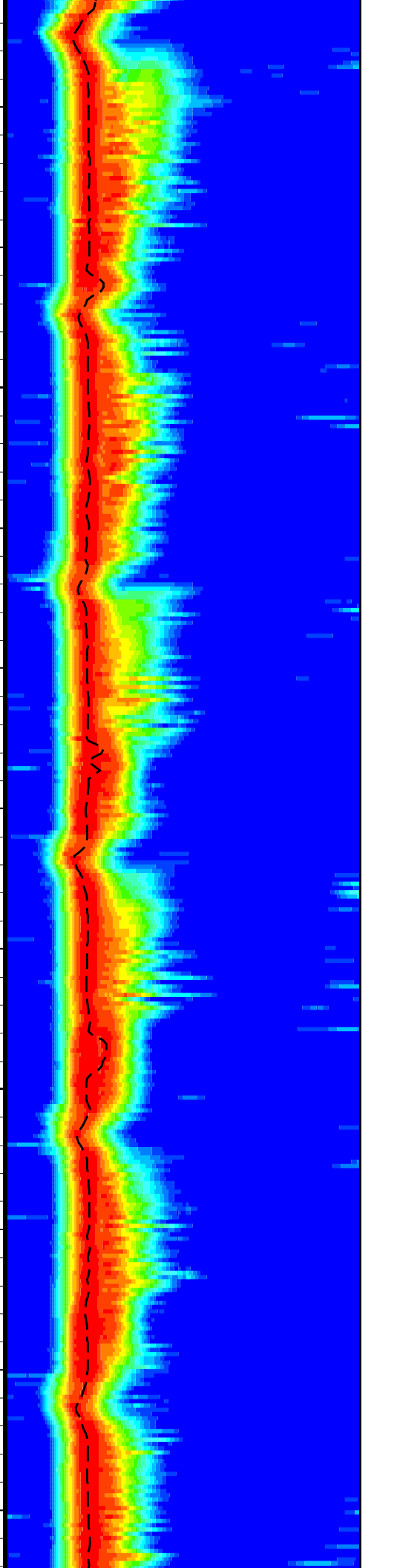
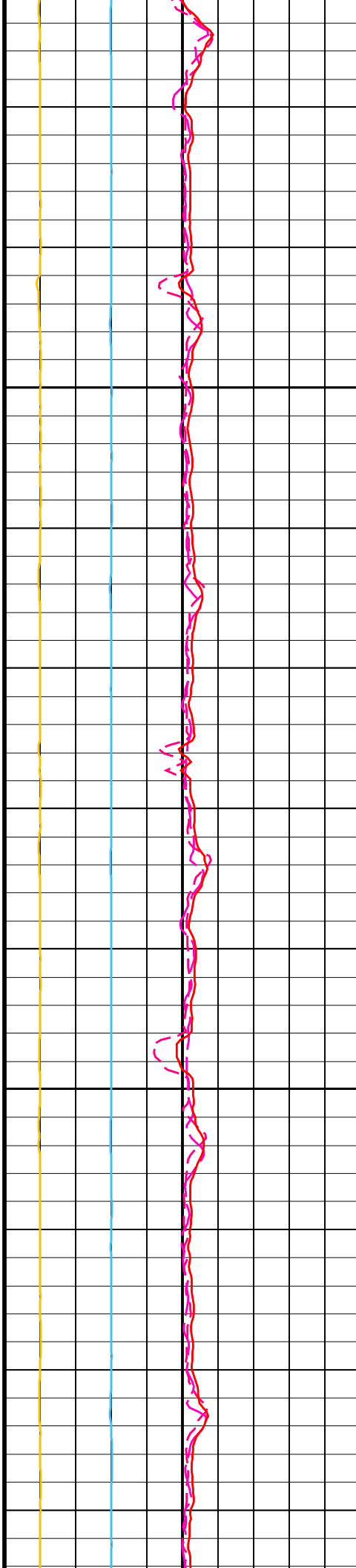
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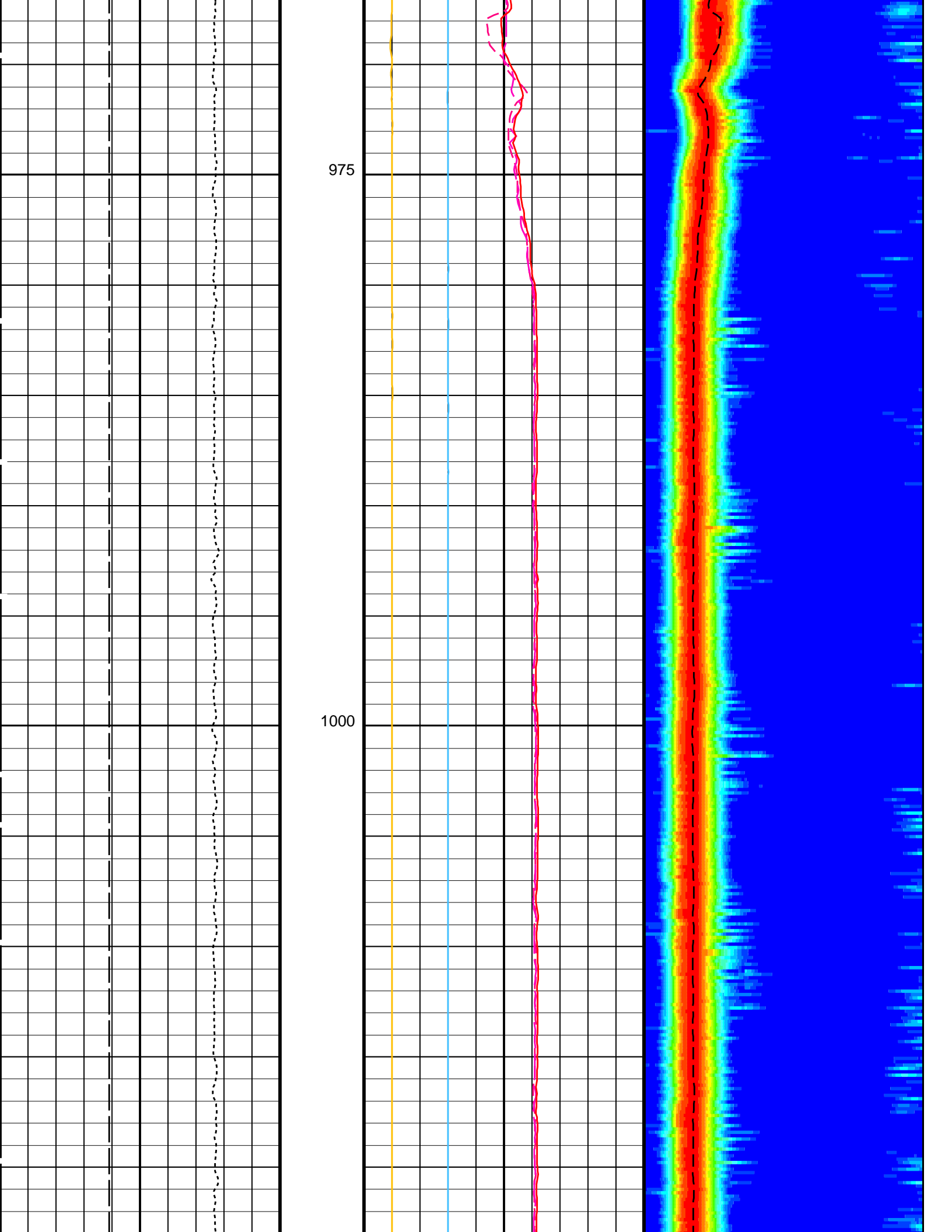


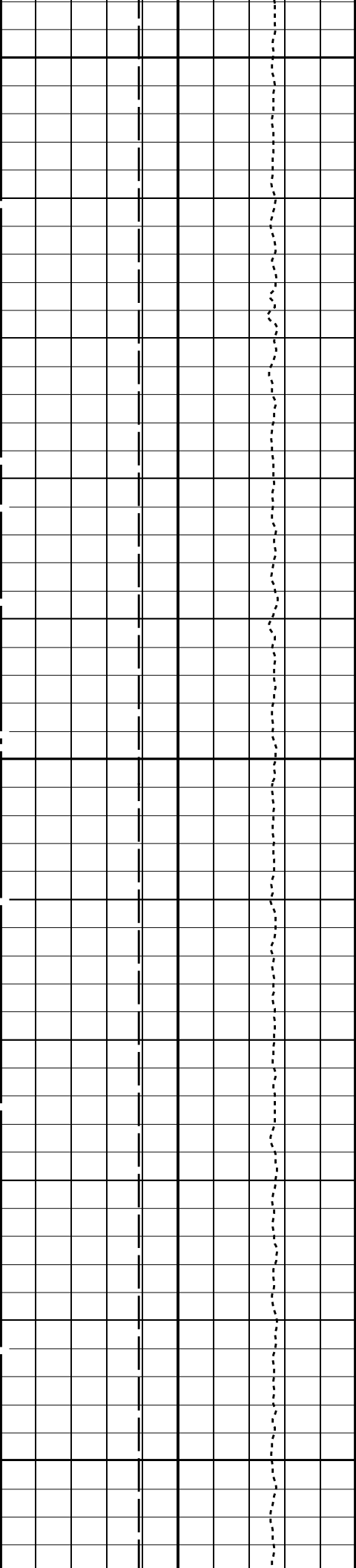


925

950



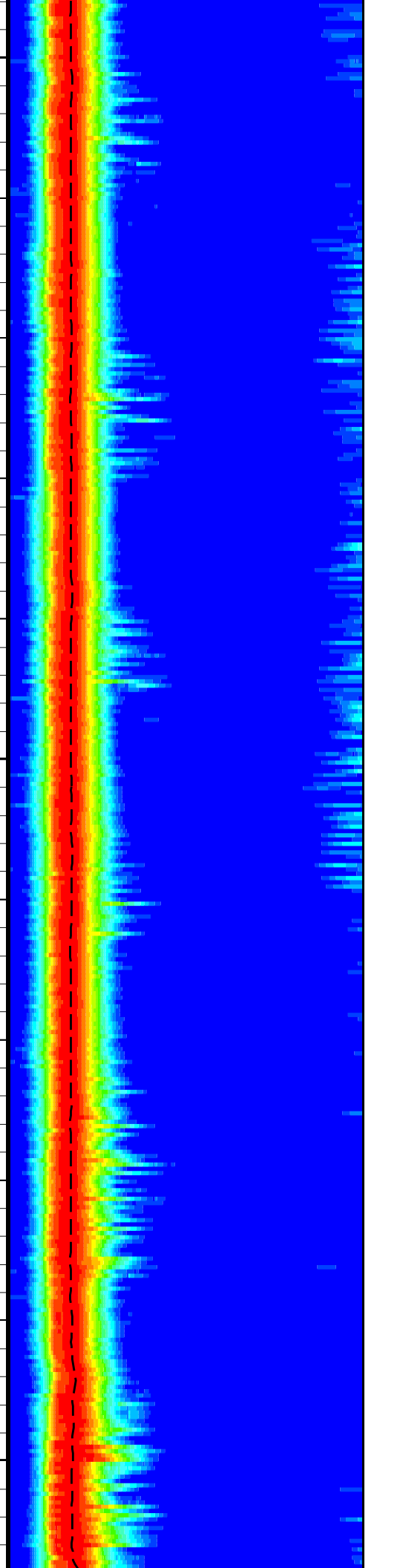
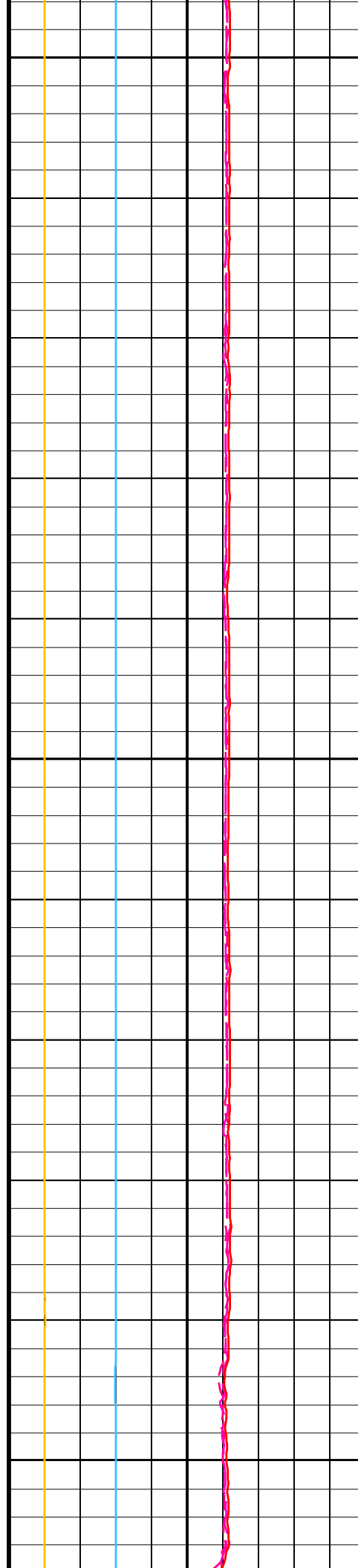


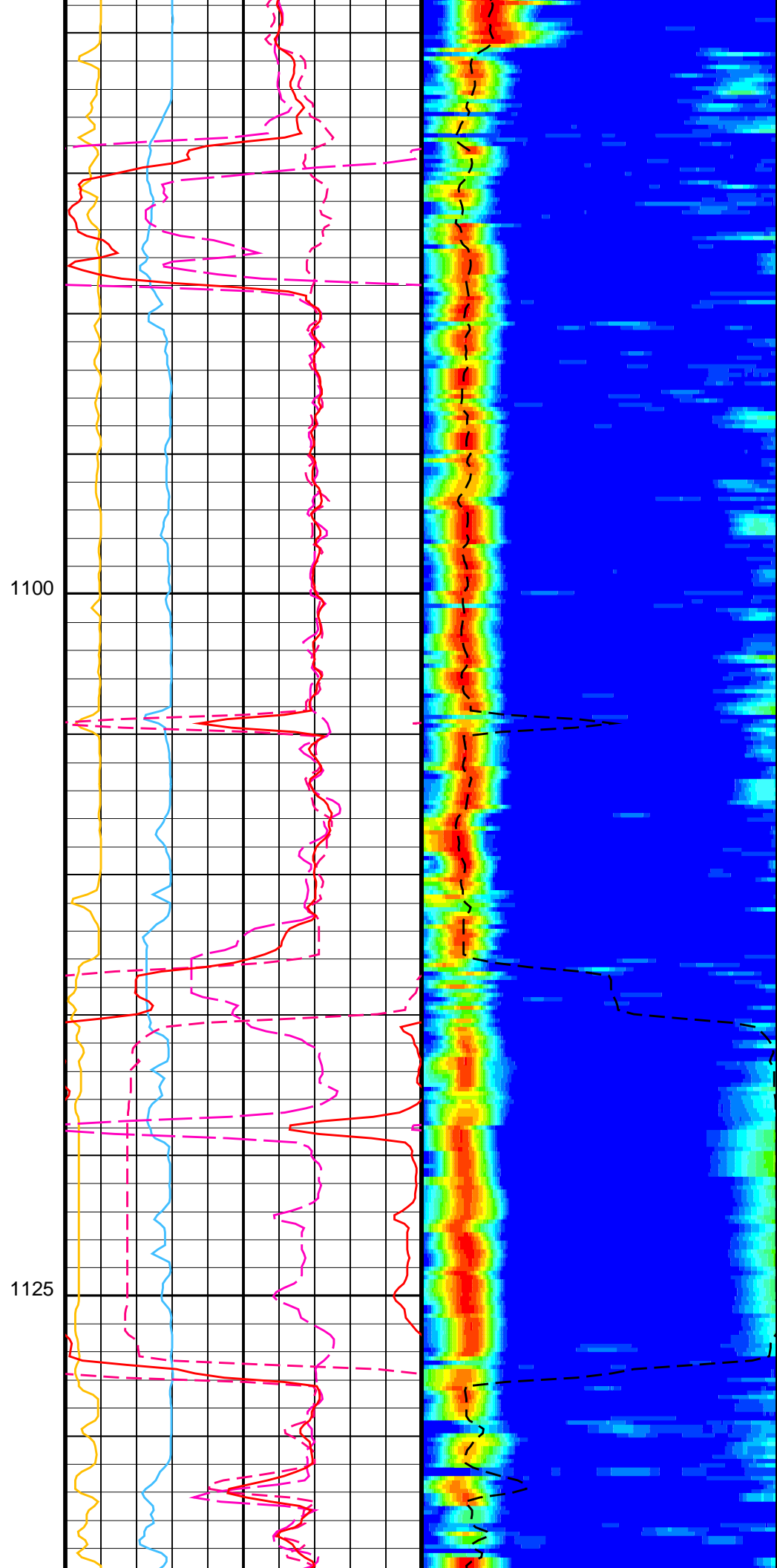
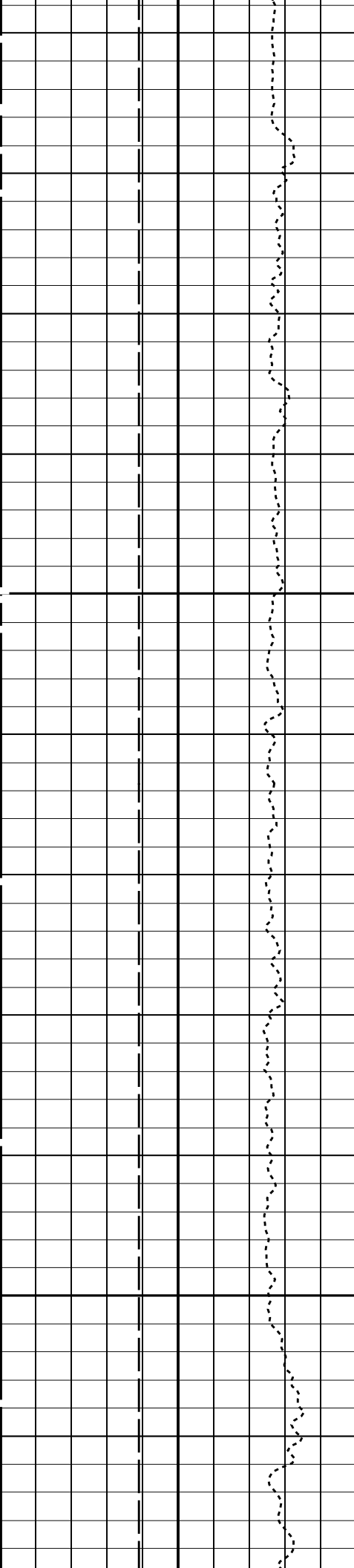


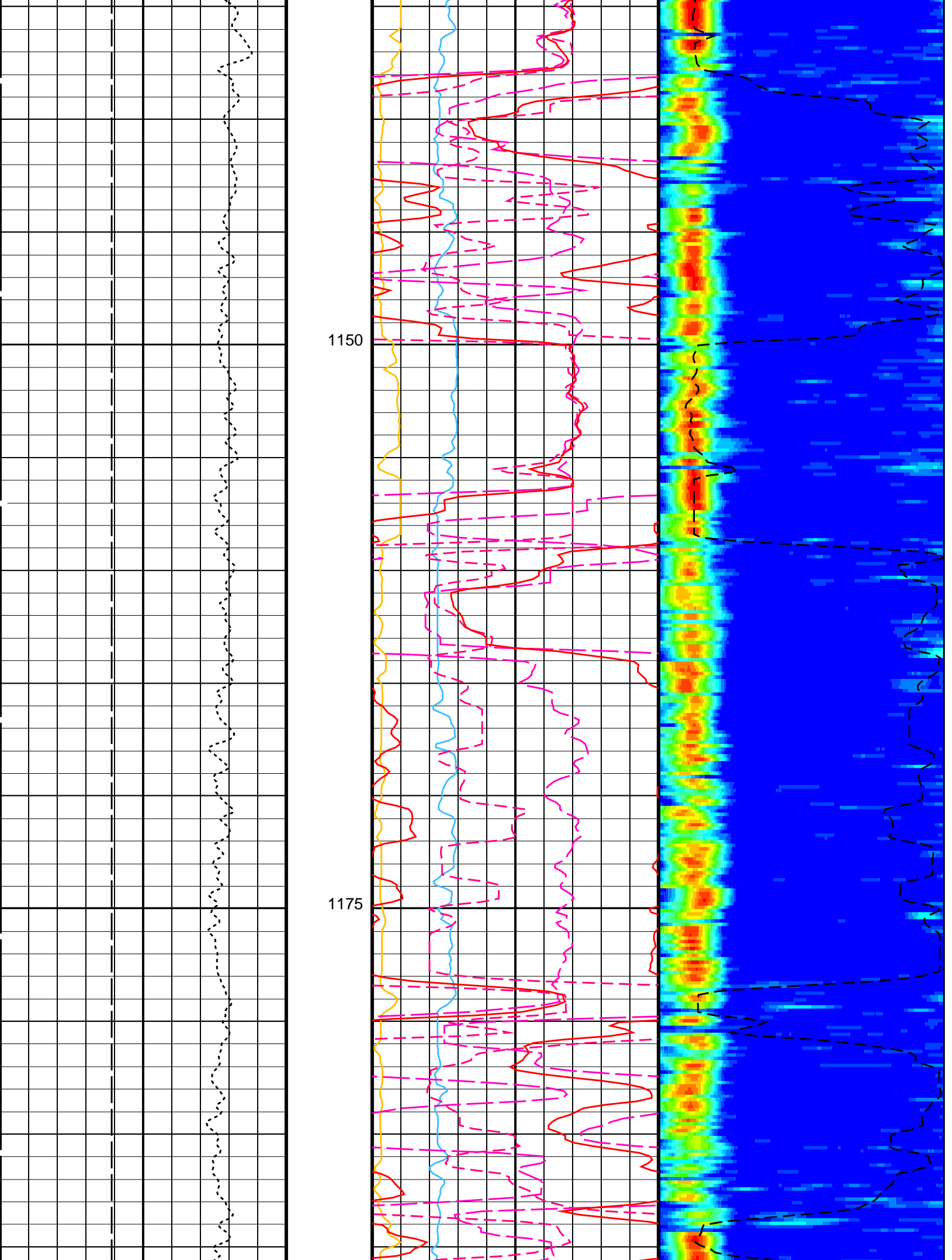
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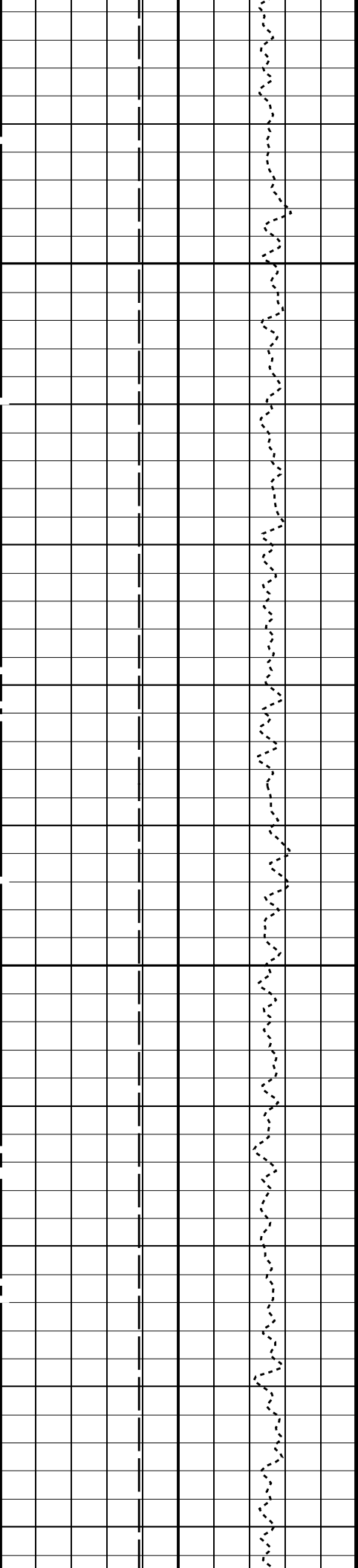
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1075



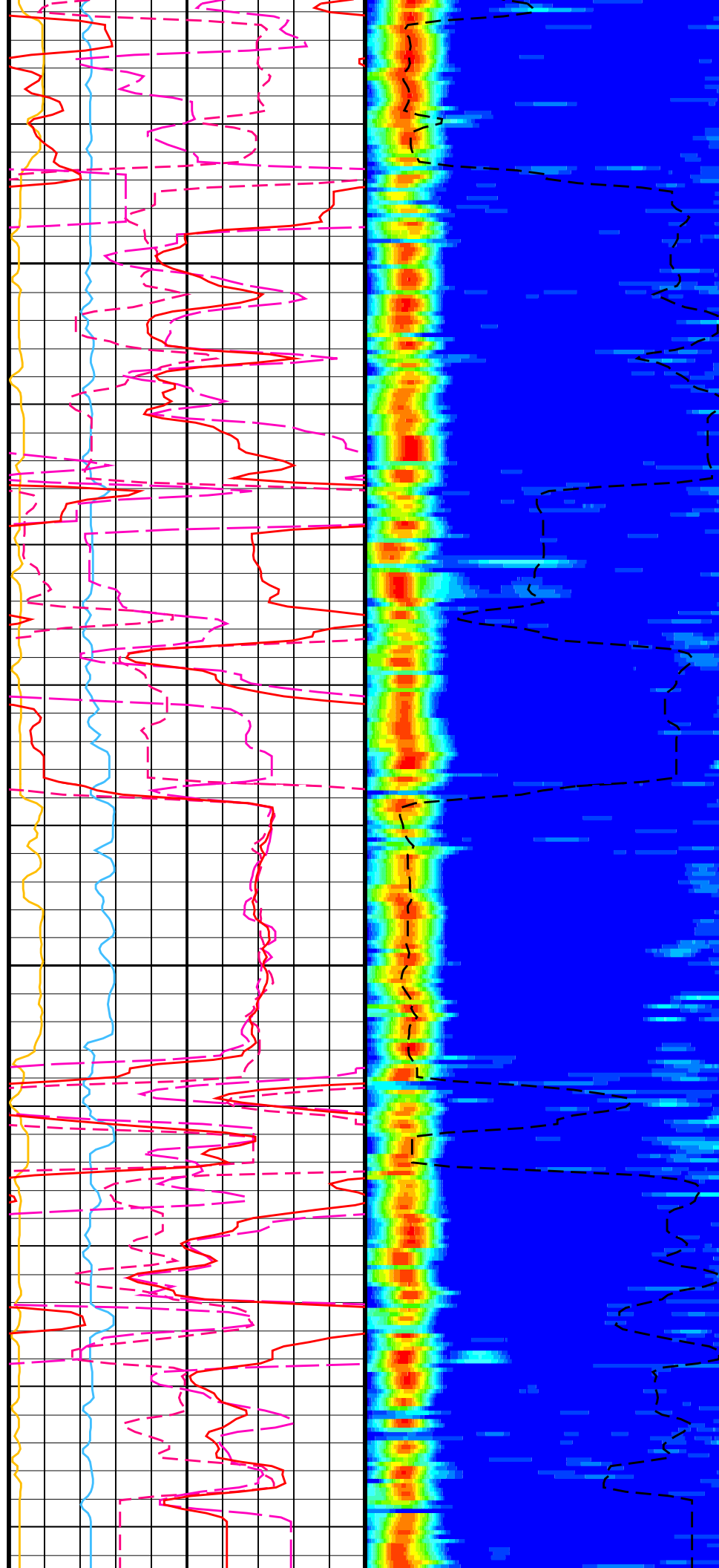


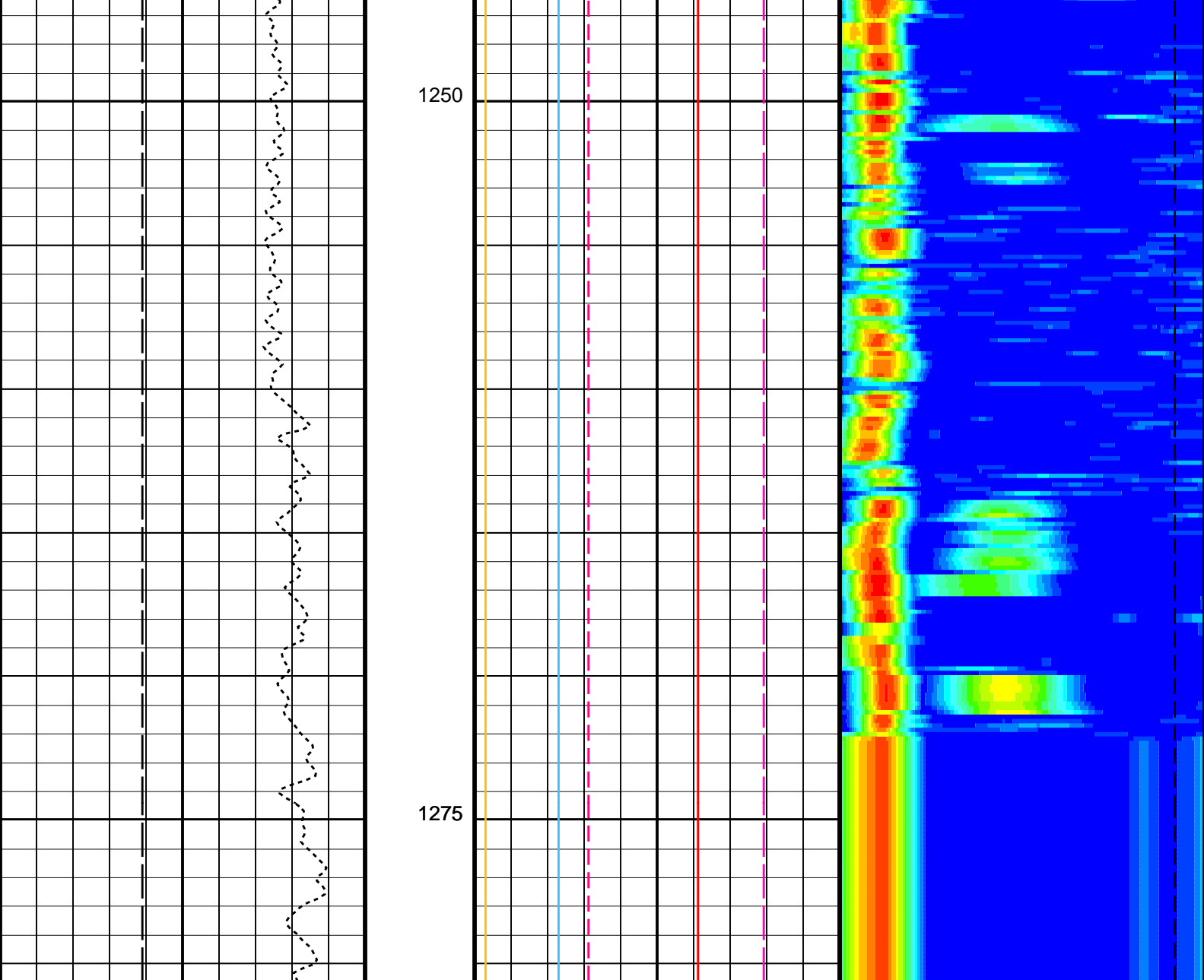





1200

1225





Bit Size (BS) (IN)		Peak Coherence / RA - Lower Dipole (CHR1)		Delta-T Shear / RA - Lower Dipole (DT1R)	
6 ----- 16		0 ----- 10		75 ----- 775	
Tension (TENS) (LBF)		Peak Coherence / TA - Lower Dipole (CHT1)		Min Amplitude Max	
10000 ----- 0		-2 ----- 8			
		Delta-T Shear - Lower Dipole (DT1)		Rec.Array L.Dipole Slow Proj. CVDL (SPR1)	
		440 ----- 40		75 ----- 775	
		Delta-T Shear / RA - Lower Dipole (DT1R)			
		440 ----- 40			
		Delta-T Shear / TA - Lower Dipole (DT1T)			
		440 ----- 40			

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	775	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	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		
SAM1	DSST Sonic Acquisition Mode 1 – Lower Dipole Mode	OFF			
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	13525	US		
TWD1	STC Time Width – Lower Dipole	2000	US		
TWI1	STC Integration Time Window – Lower Dipole	1600	US		
TWSX	Transmitter Waveform Select X	0			
System and Miscellaneous					
BS	Bit Size	9.875	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: 12-Jan-2024 20:27

OP System Version: 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_DSI_HRLA_LDL_014LUP	PRODUCER	12-Jan-2024 20:26	1280.6 M	507.5 M
Output DLIS Files					
DEFAULT	DSI_HRLA_LDL_NGS_015PUP	FN:13	PRODUCER	12-Jan-2024 20:27	

Company: International Ocean Discovery Program

Well: Expedition 401, Site U1610A

Input DLIS Files					
DEFAULT	Flip_DSI_HRLA_LDL_014LUP	PRODUCER	12-Jan-2024 20:26	1280.6 M	507.5 M
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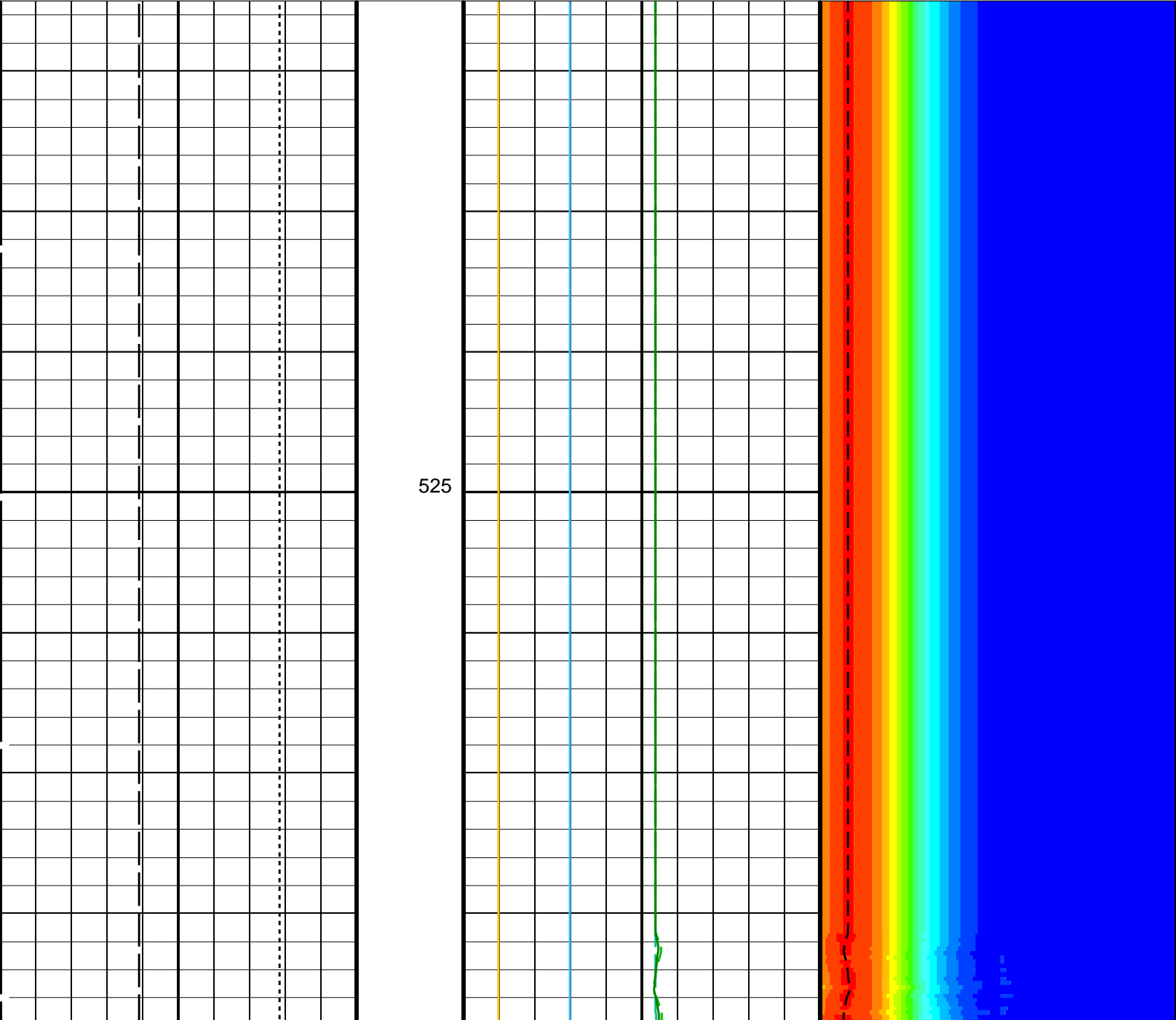
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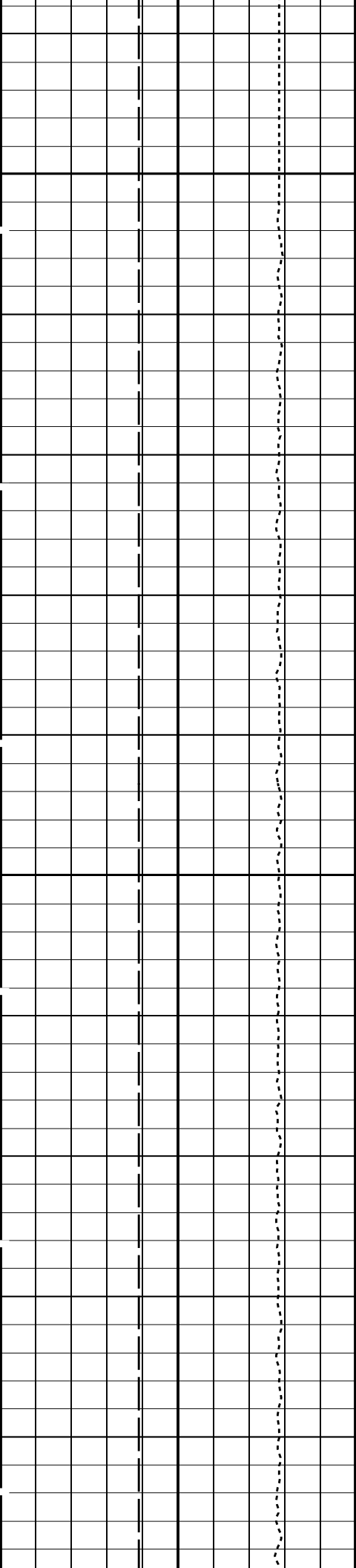
DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

PIP SUMMARY

Time Mark Every 60 S

	Delta-T Stoneley (DTST)		
	440	40	
	(US/F)		
	Delta-T Stoneley / TA (DT3T)		
	440	40	
	(US/F)		
	Delta-T Stoneley / RA (DT3R)		
	440	40	
	(US/F)		
	Peak Coherence / TA - Stoneley (CHT3)		<div><div>MinAmplitudeMax</div><div>Rec.Array Stoneley Slow Proj. CVDL</div><div>(SPR3)</div><div>180 (US/F)780</div></div>
	-2	8	
	(----		
	Peak Coherence / RA - Stoneley (CHR3)		<div><div>Delta-T Stoneley / RA (DT3R)</div><div>180 (US/F)780</div></div>
	0	10	
	(-----		
	Tension (TENS)		
	10000	0	
	(LBF)		
	Bit Size (BS)		
	6	16	
	(IN)		

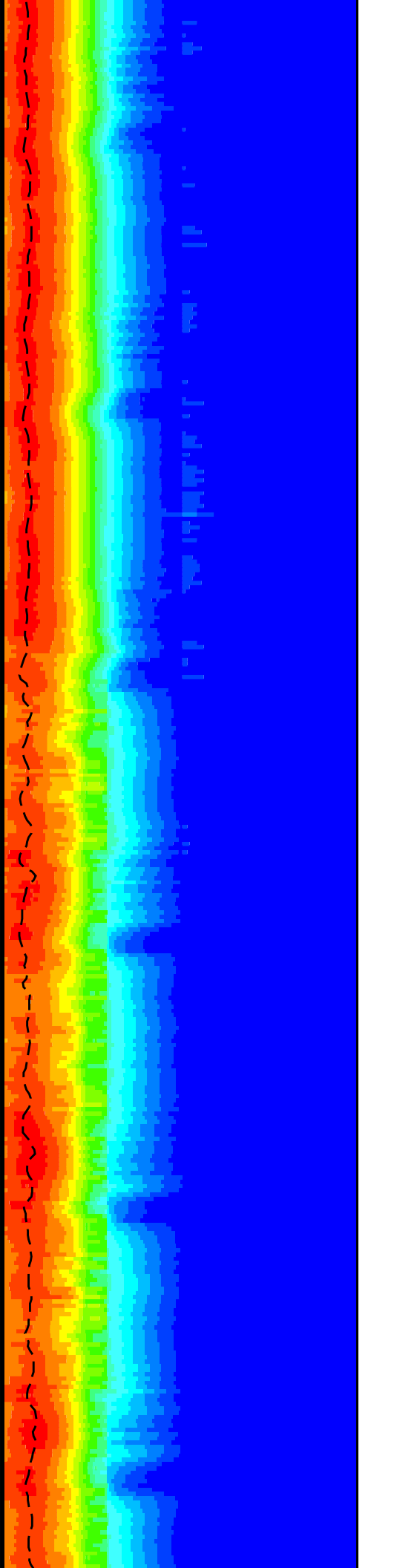
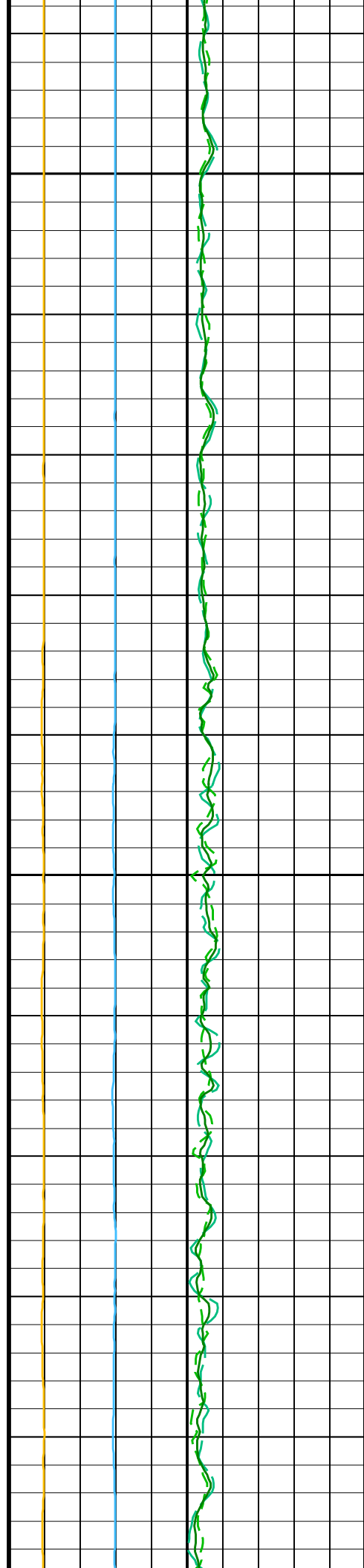


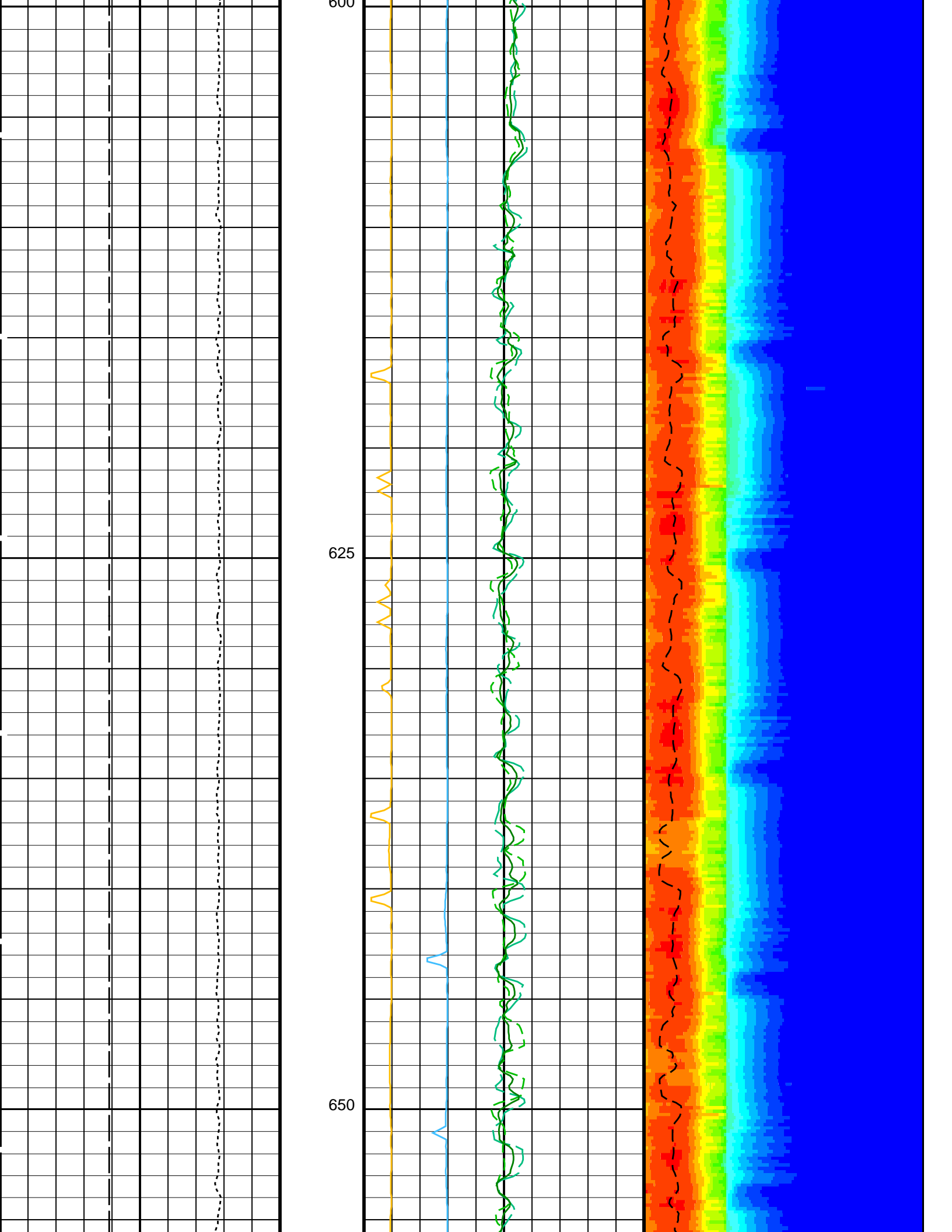


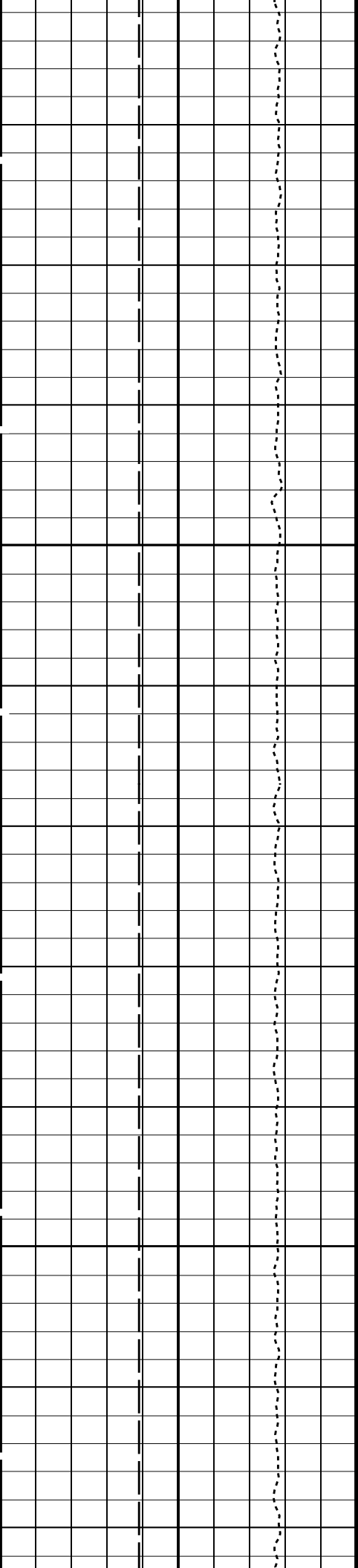
550

575

600

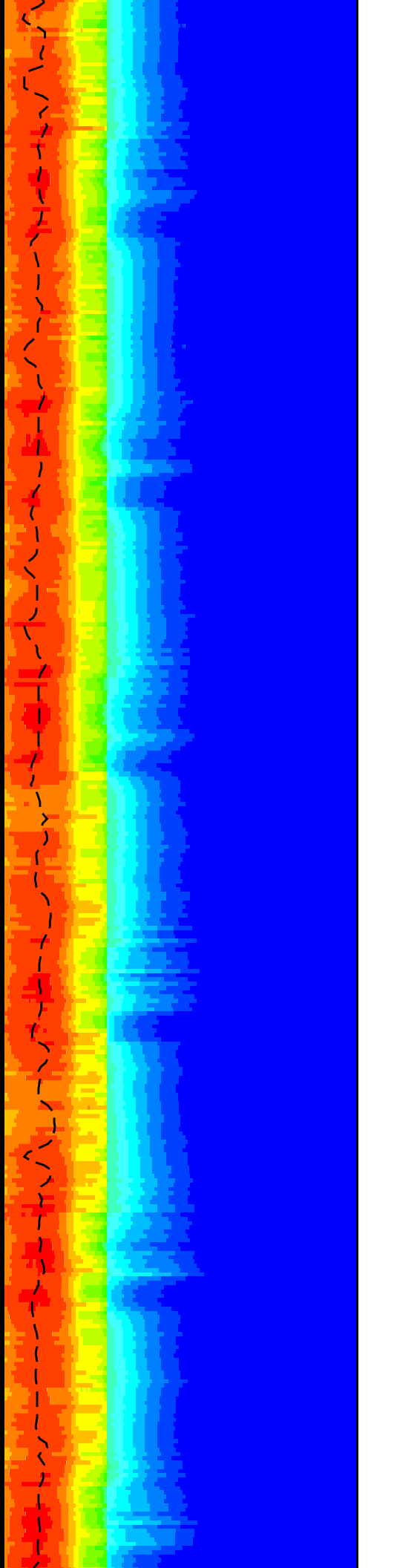
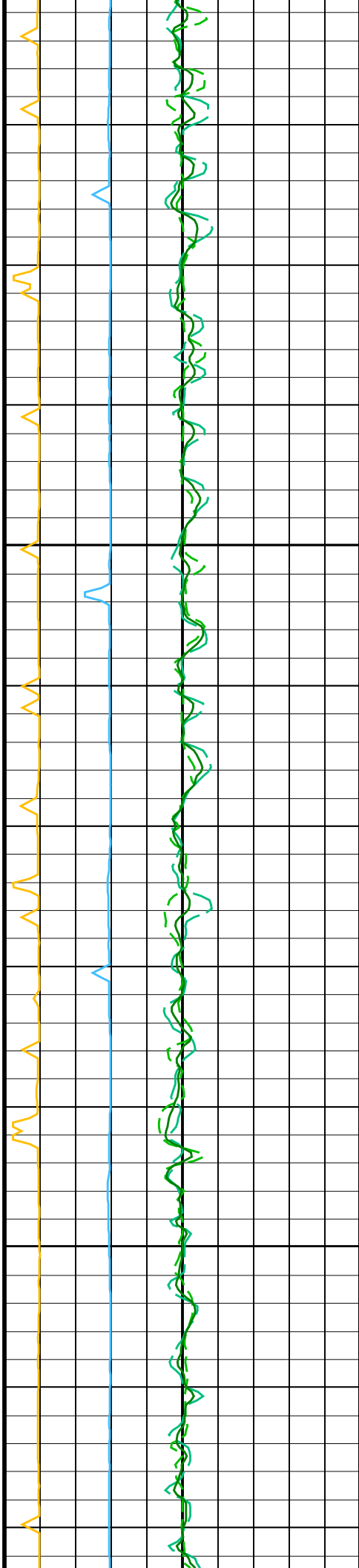


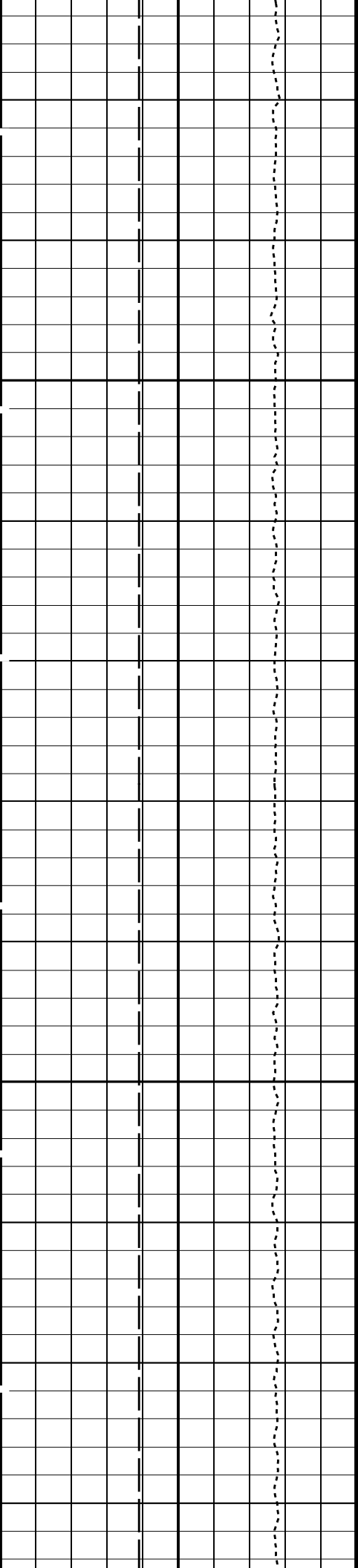




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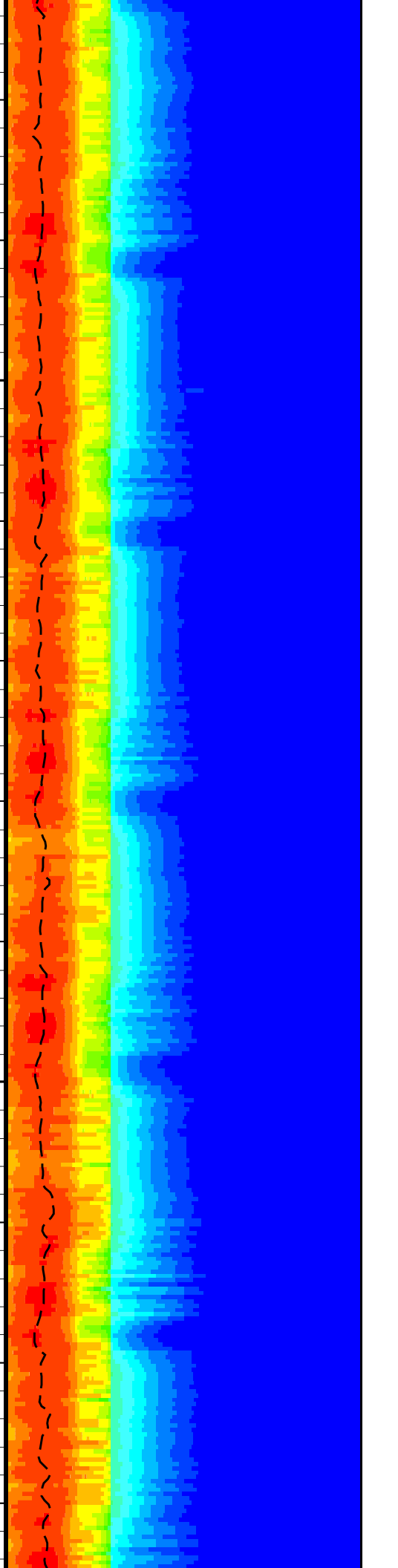
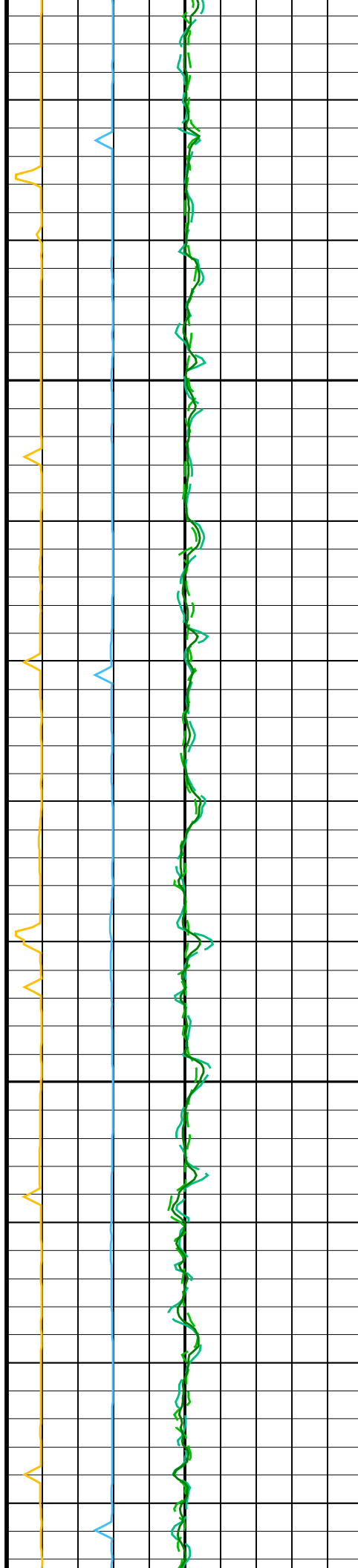
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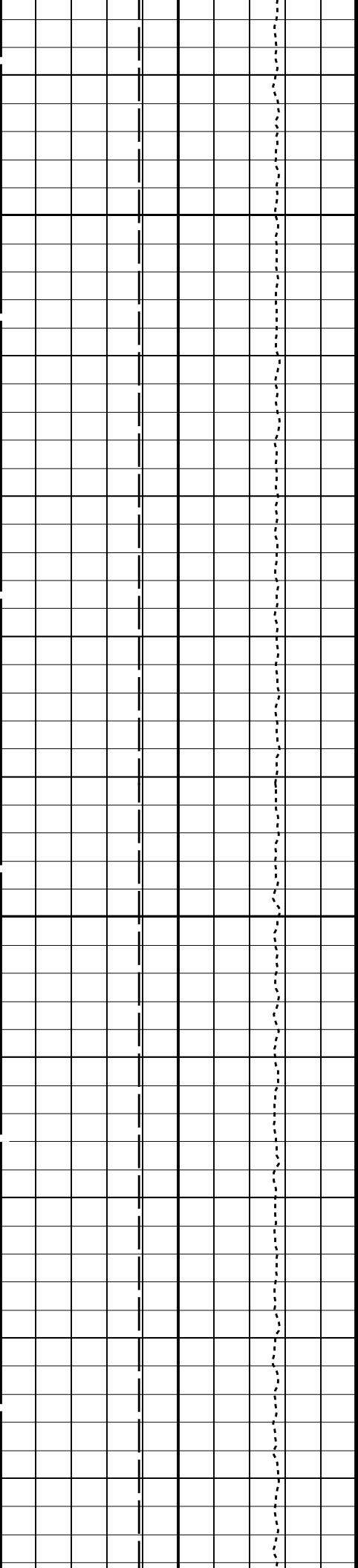




725

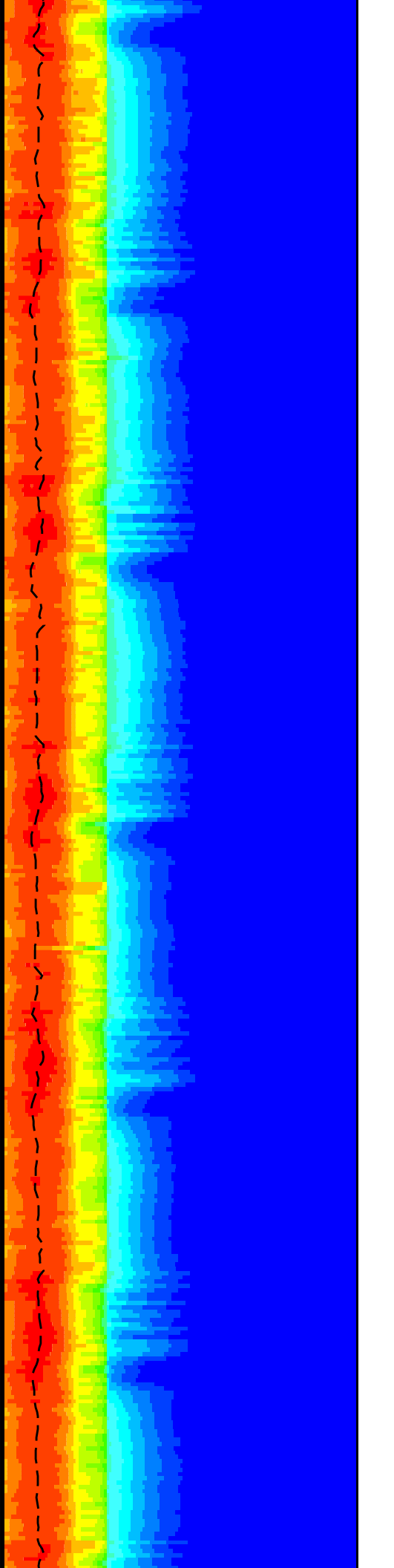
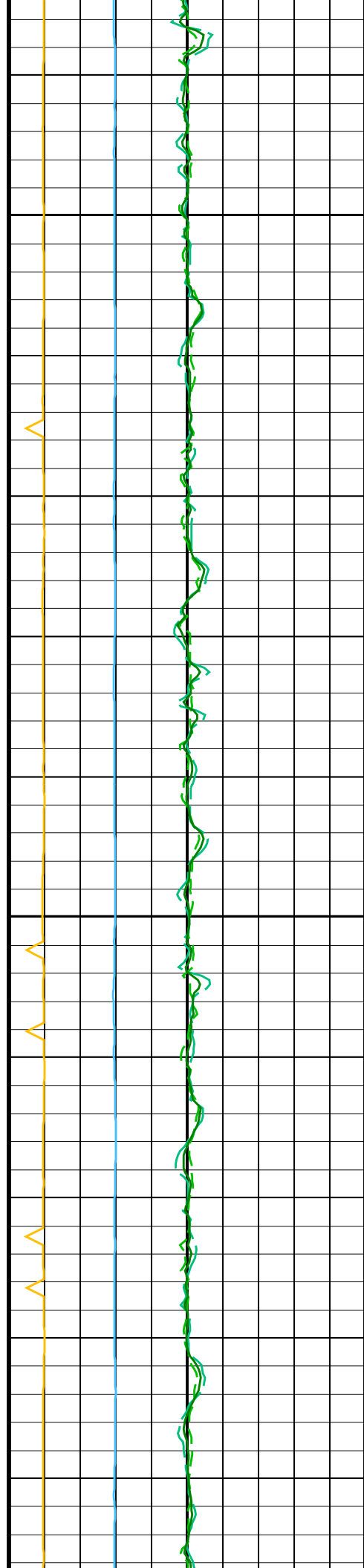
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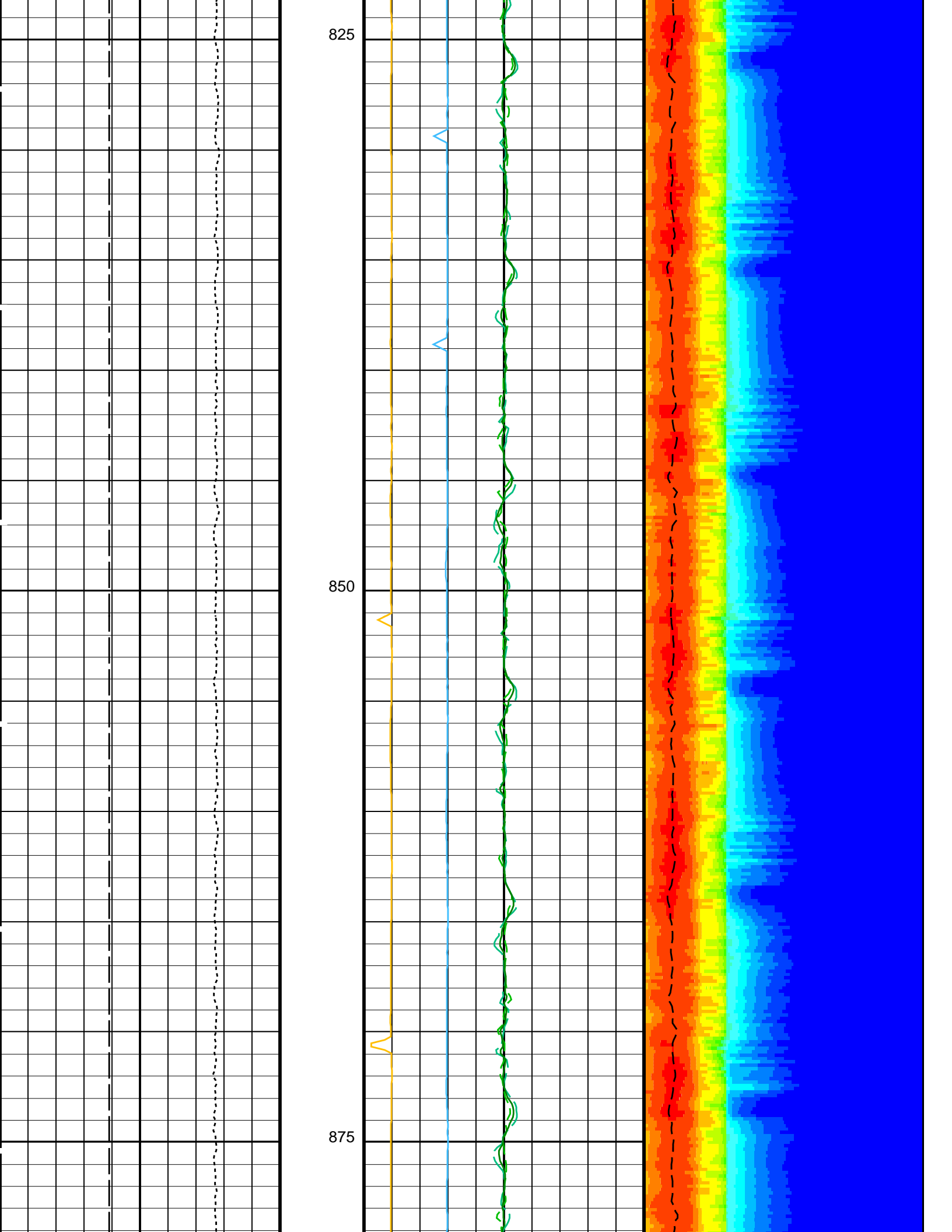


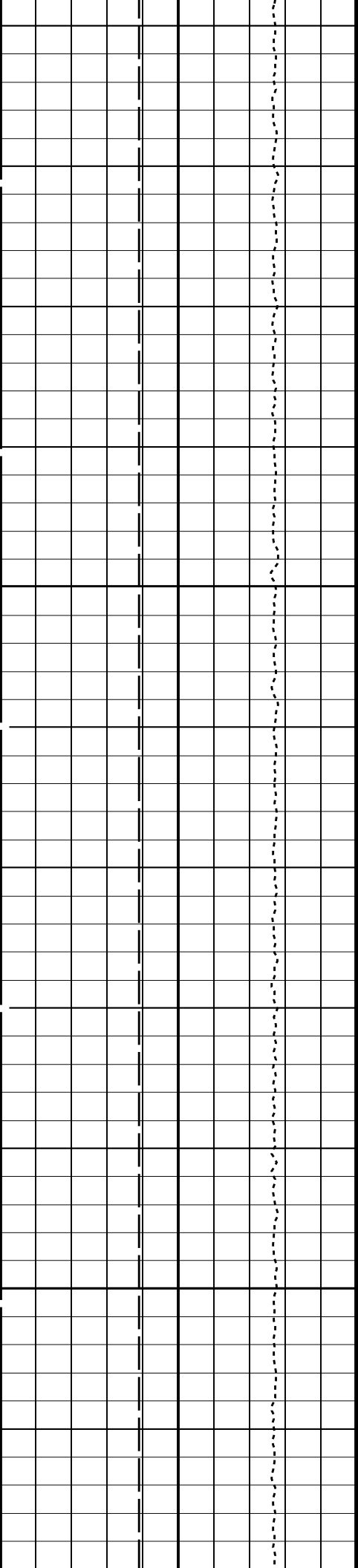


775

800

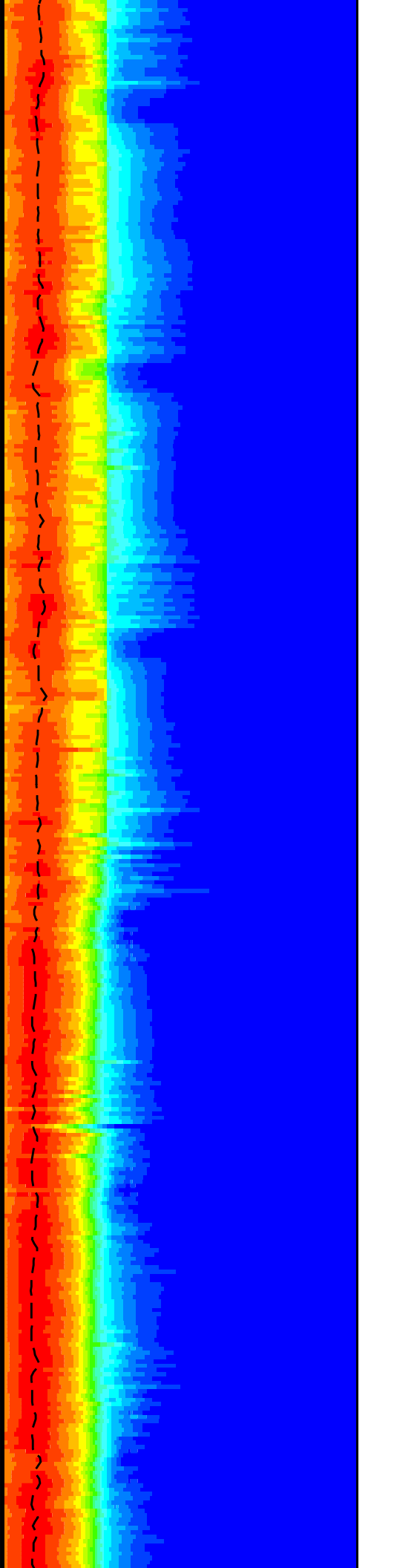
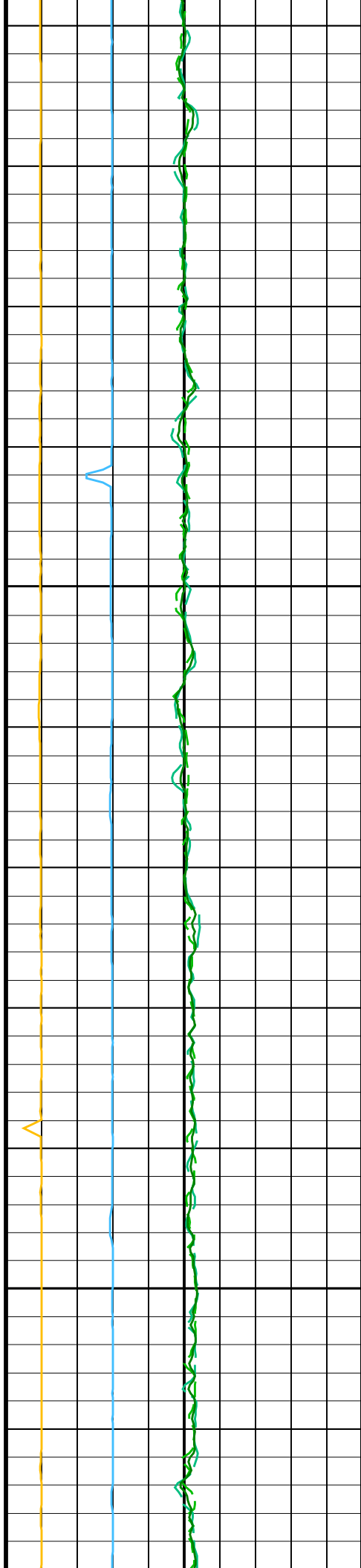


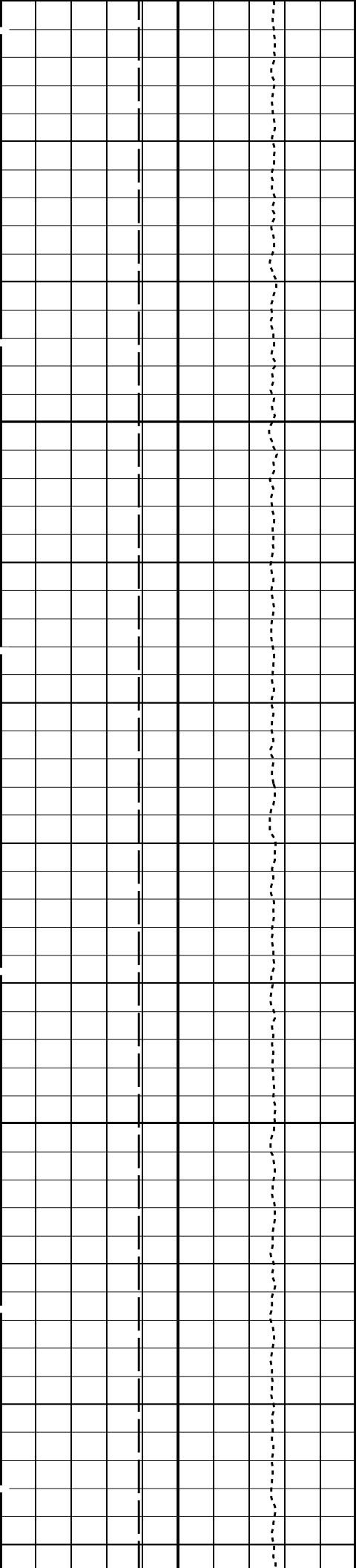




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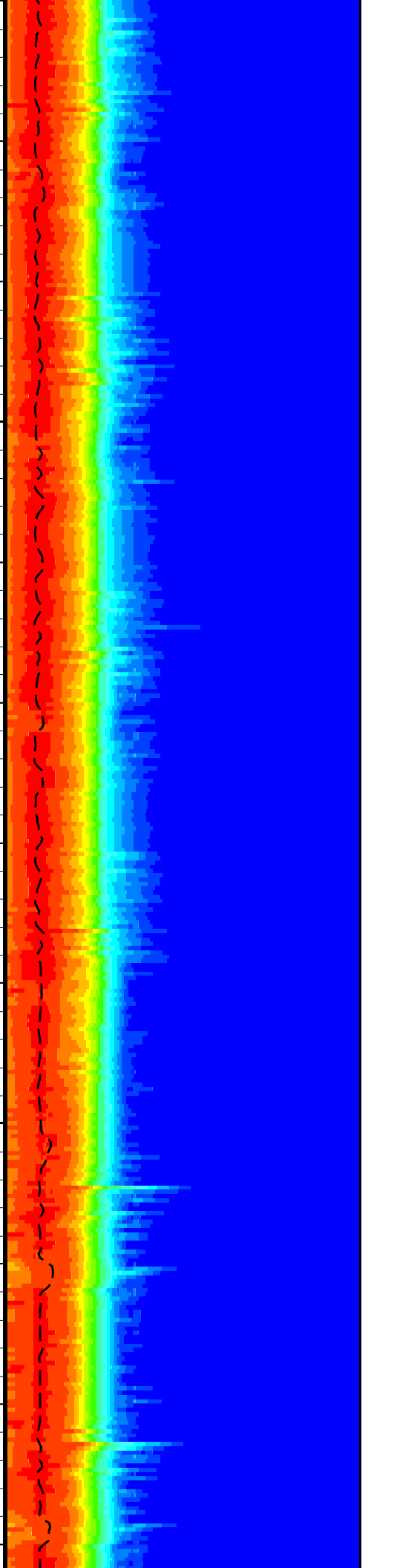
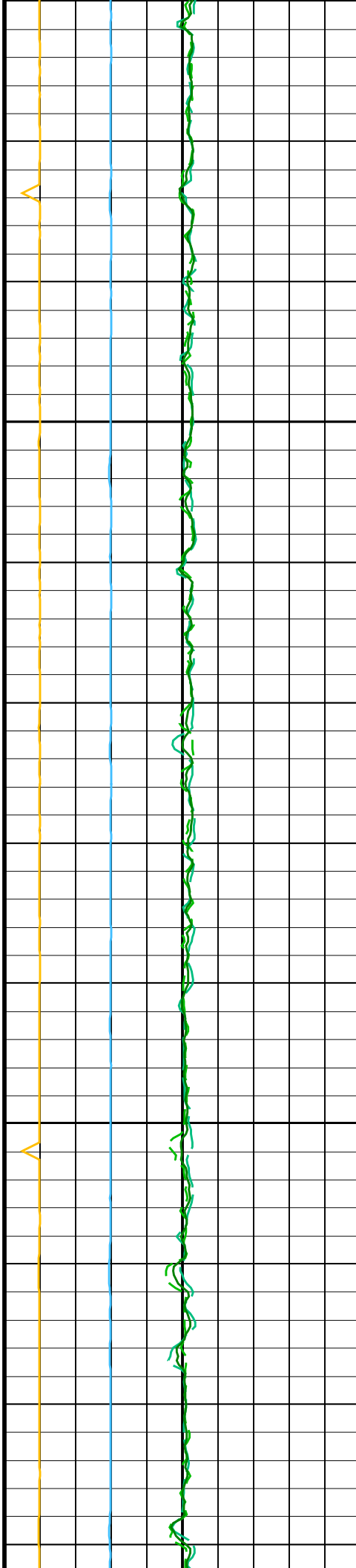
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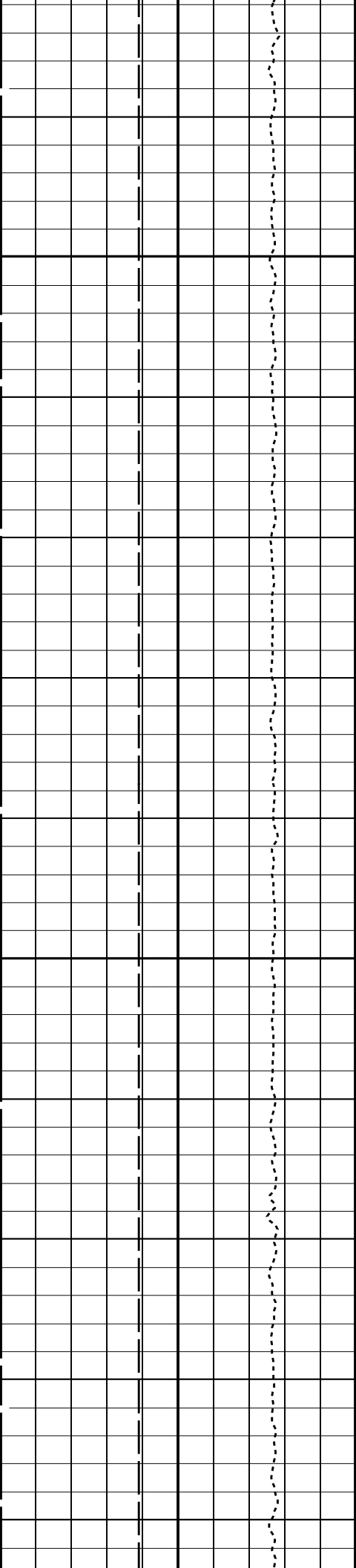




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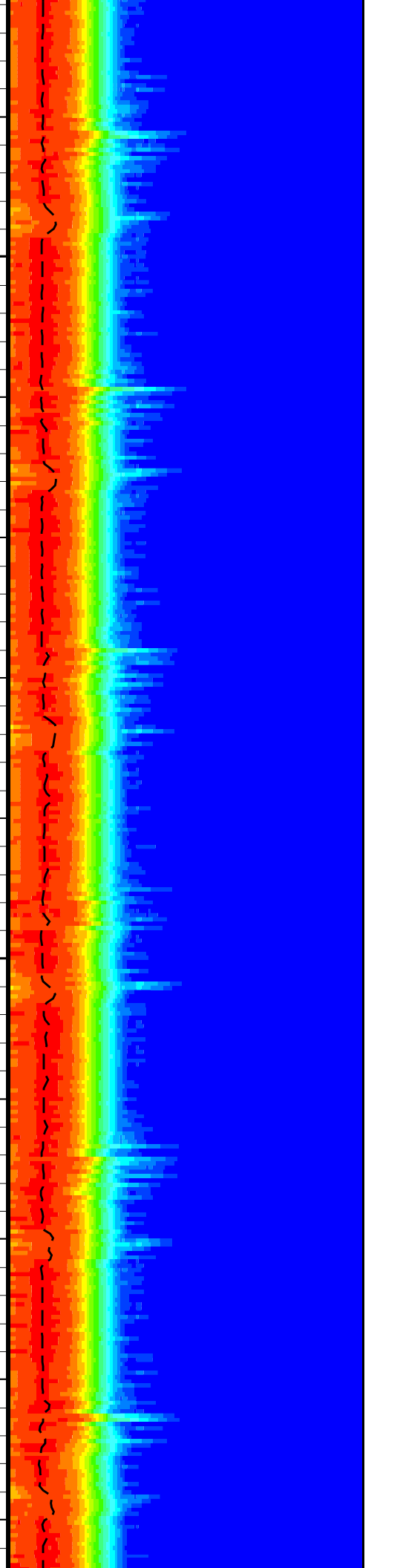
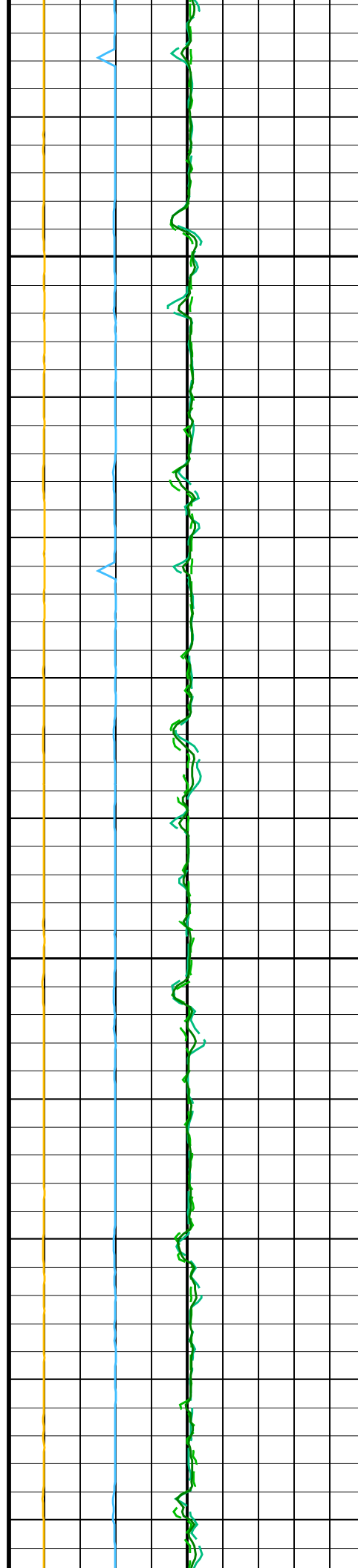
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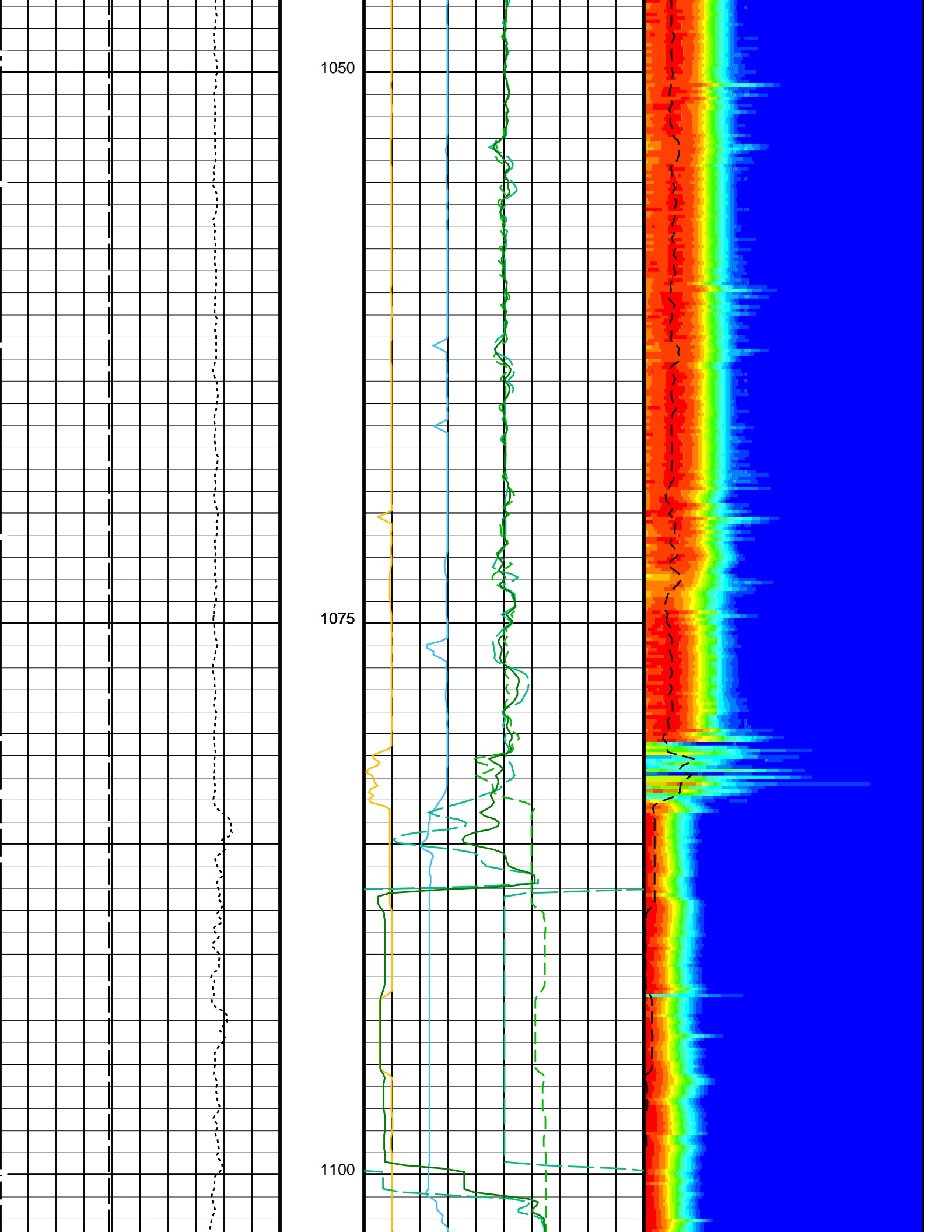


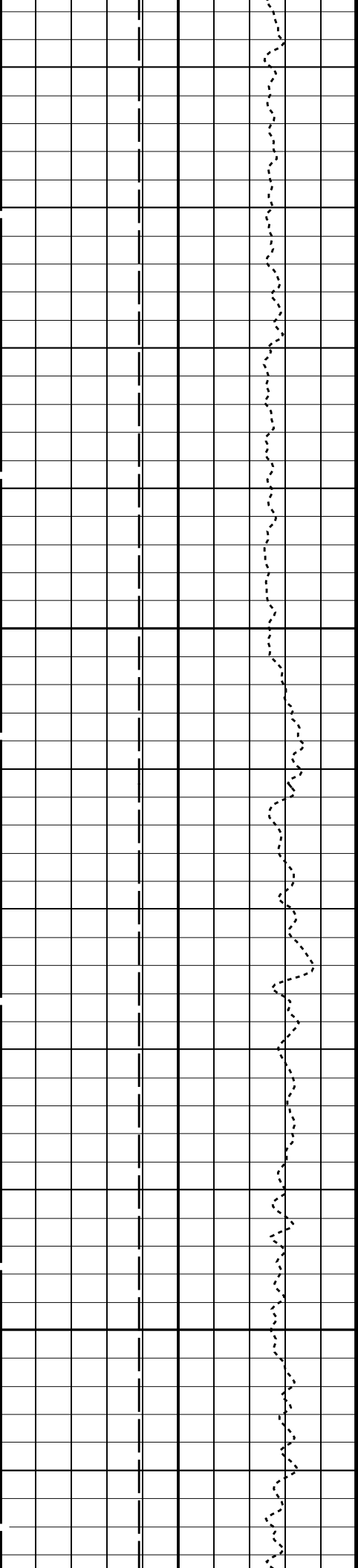


1000

1025

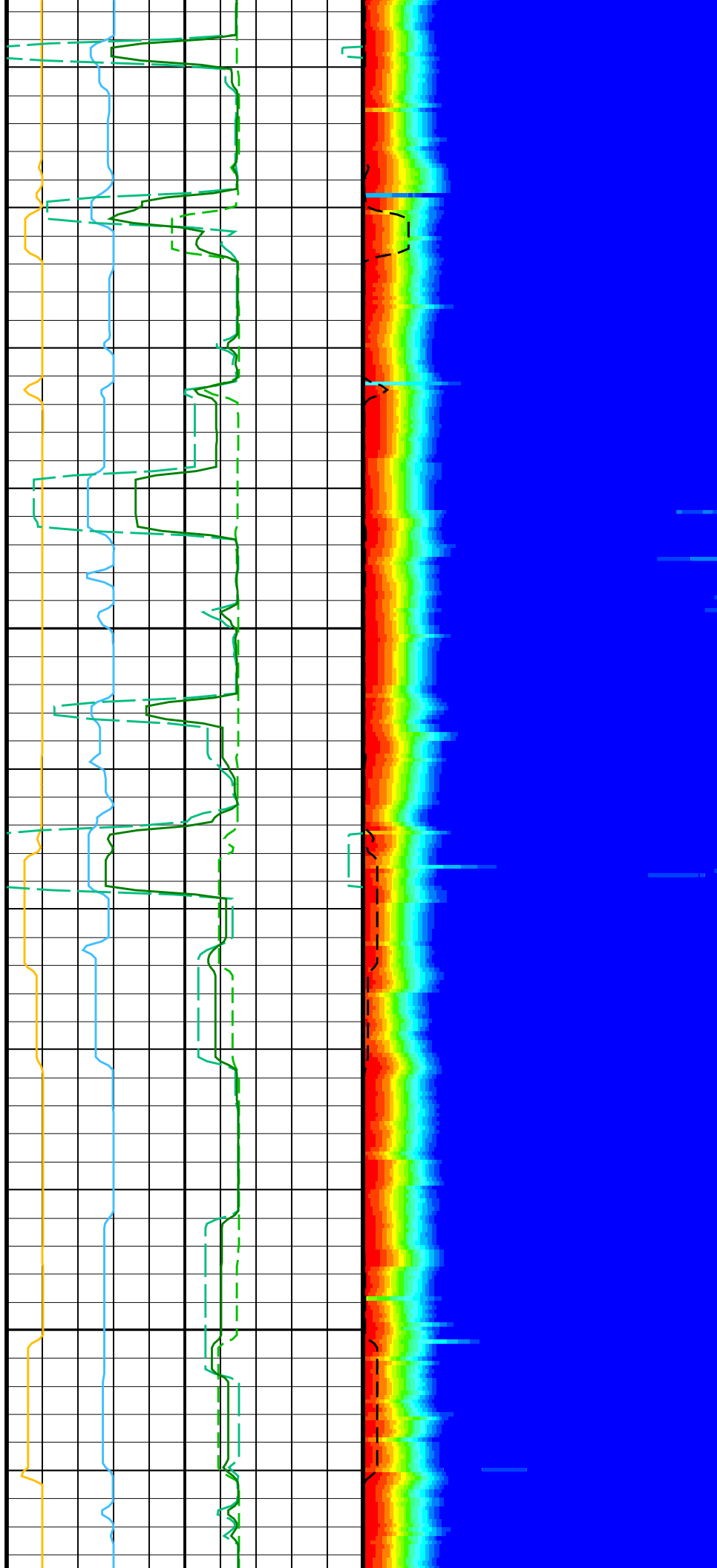


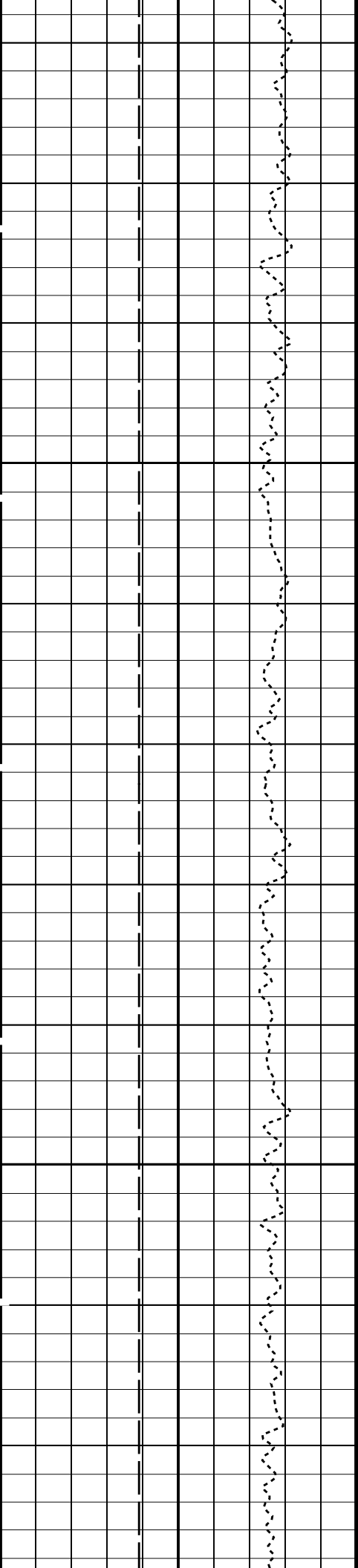




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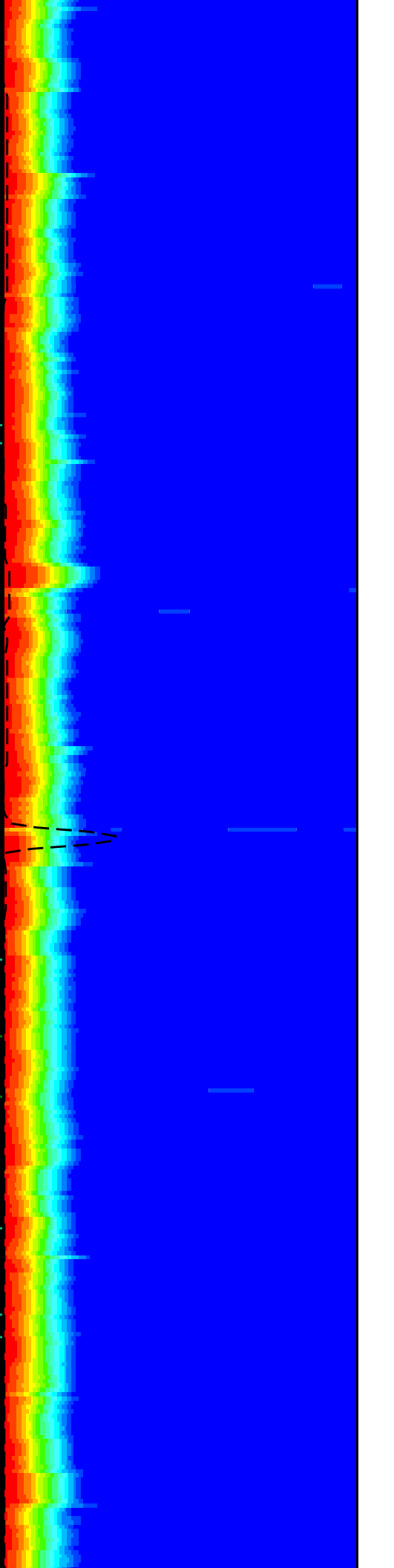
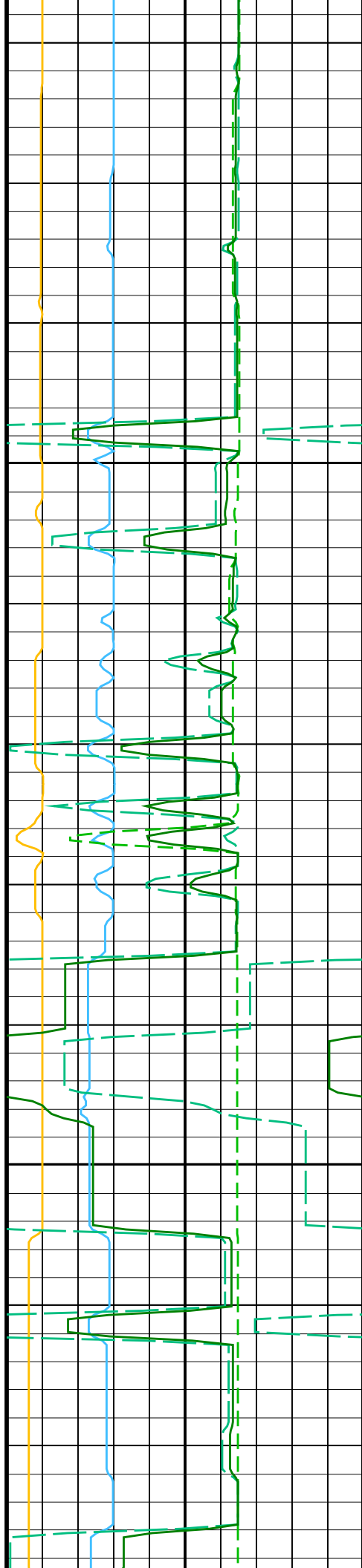
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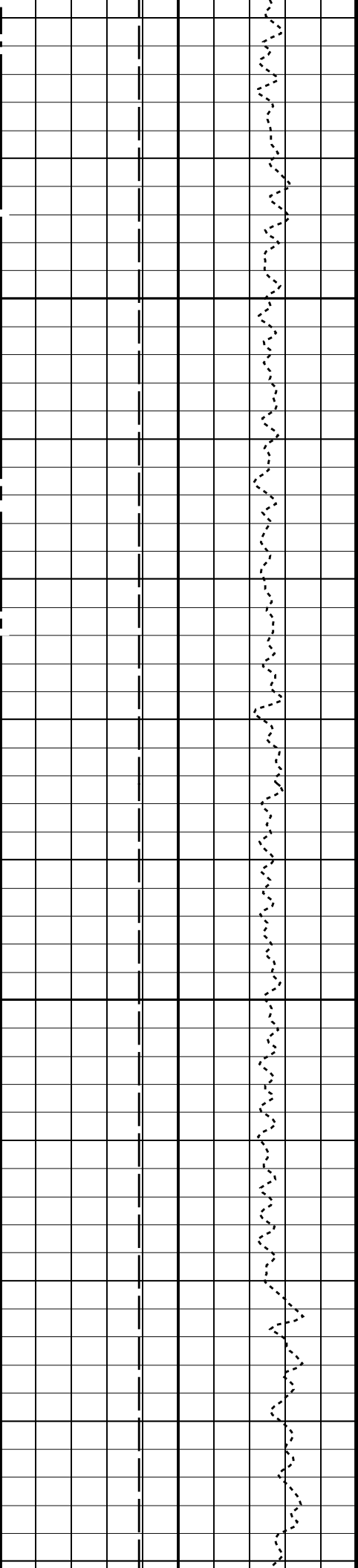




1175

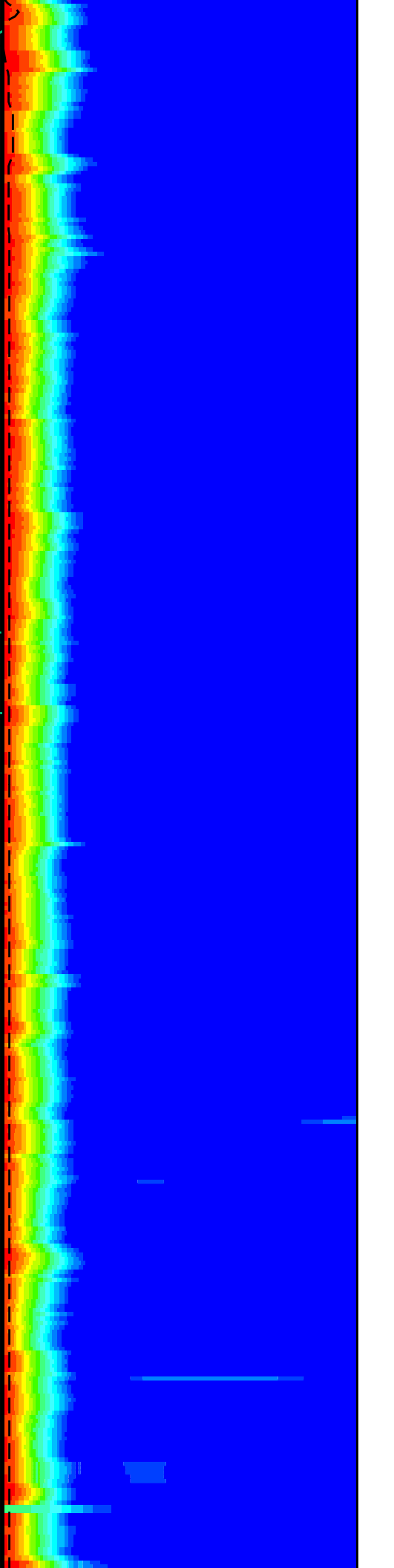
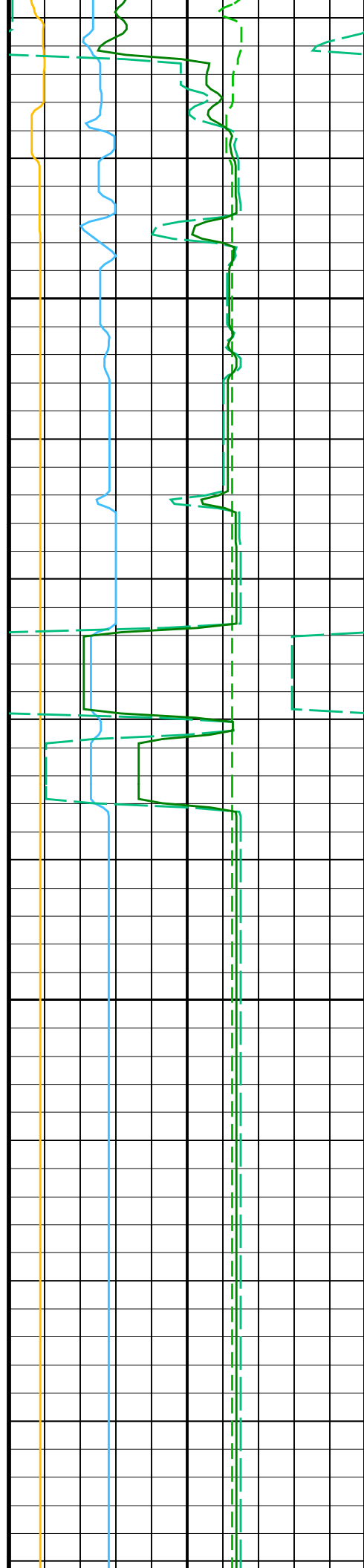
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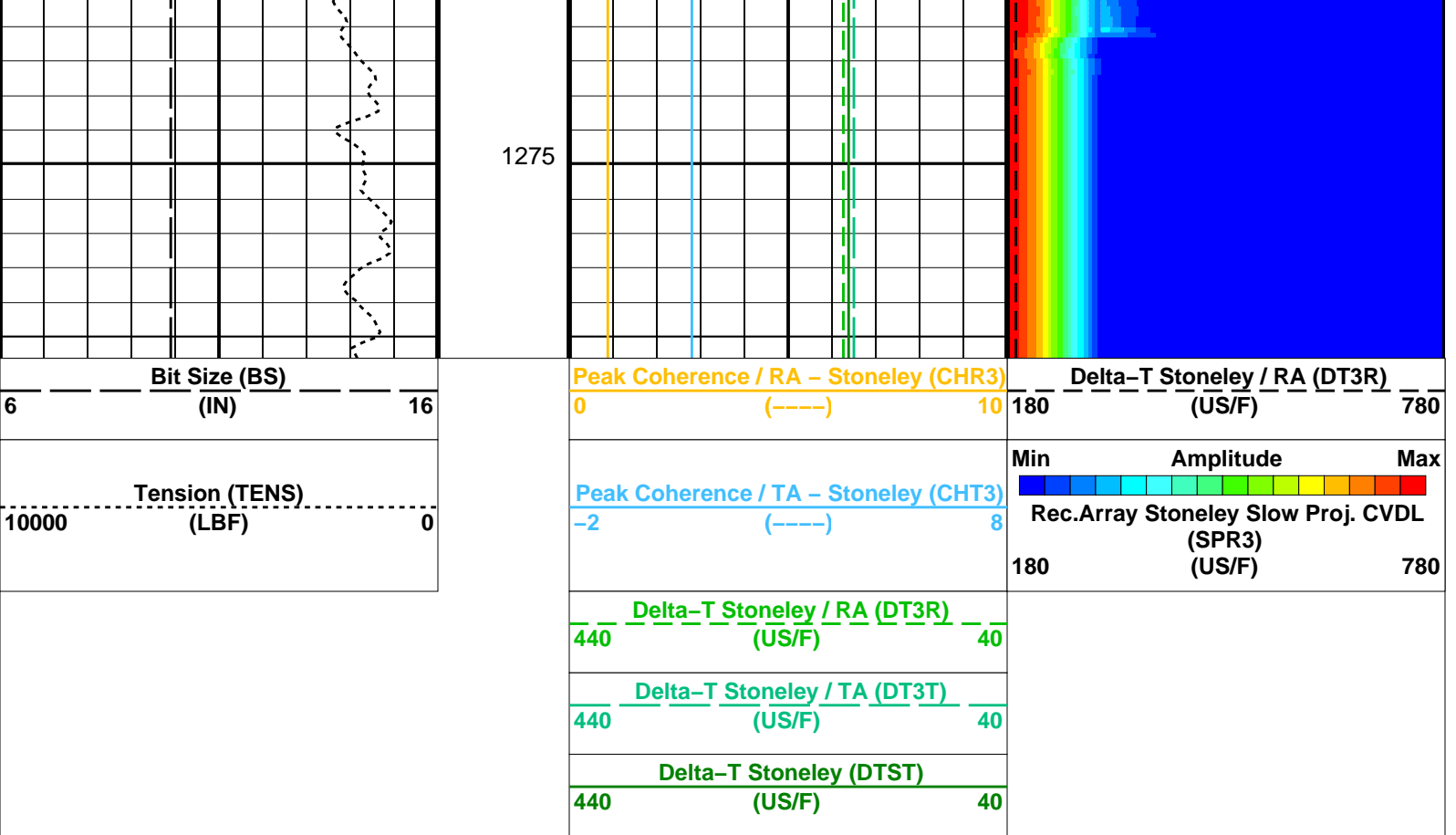




1225

1250





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	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
SAM3	DSST Sonic Acquisition Mode 3 - Monopole Mode for Stoneley	OFF
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	3000 US
SBW3	STC Search Bandwidth - Monopole Stoneley	8000 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	600 US
TST3	STC Time Step - Monopole Stoneley	200 US
TUL3	STC Time Upper Limit - Monopole Stoneley	12000 US
TWD3	STC Time Width - Monopole Stoneley	2000 US

TWI3	STC Integration Time Window – Monopole Stoneley	2400	US
TWSX	Transmitter Waveform Select X	0	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: DSST_STONELEY_VDL_COLOR		Vertical Scale: 1:200		Graphics File Created: 12-Jan-2024 20:27	
OP System Version: 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_DSI_HRLA_LDL_014LUP	PRODUCER	12-Jan-2024 20:26	1280.6 M	507.5 M
Output DLIS Files					
DEFAULT	DSI_HRLA_LDL_NGS_015PUP	FN:13	PRODUCER	12-Jan-2024 20:27	

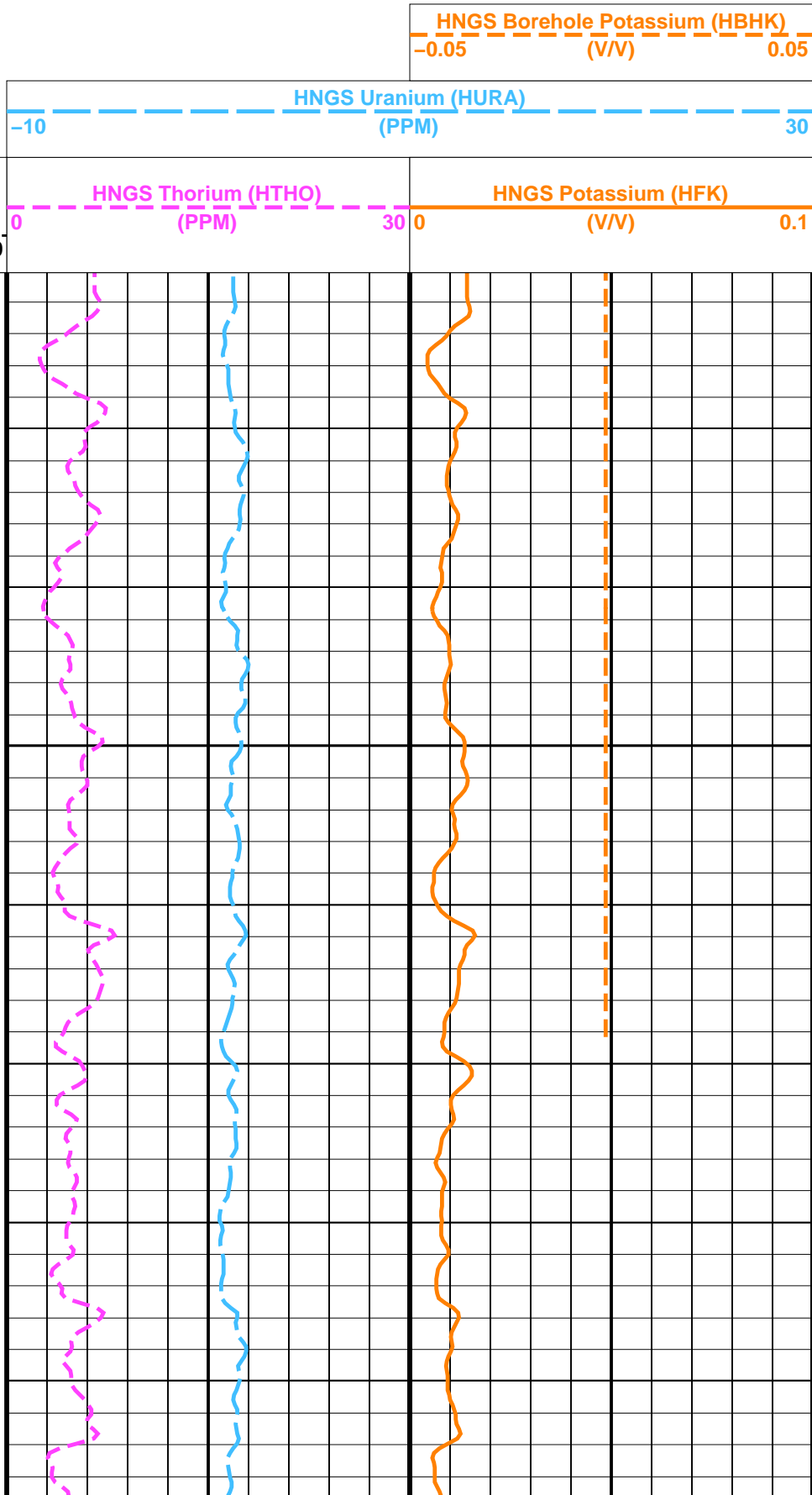
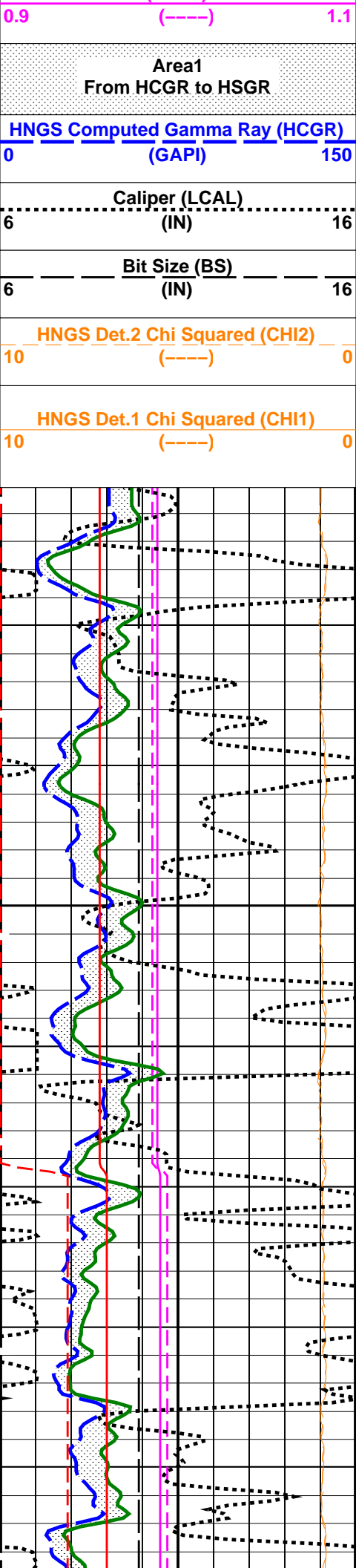


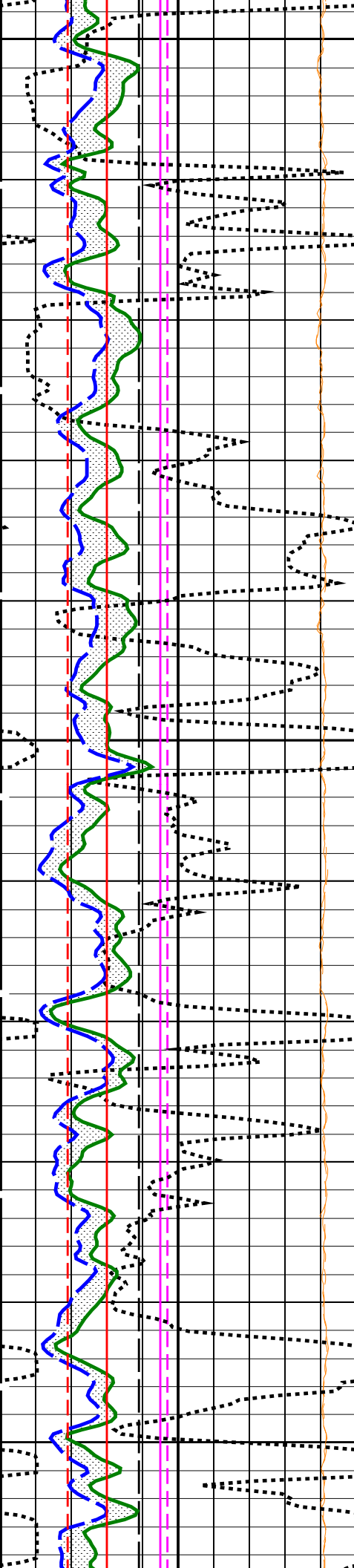
Repeat Pass

MAXIS Field Log

Company: International Ocean Discovery Program				Well: Expedition 401, Site U1610A	
Output DLIS Files					
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OP System Version: 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					

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)		

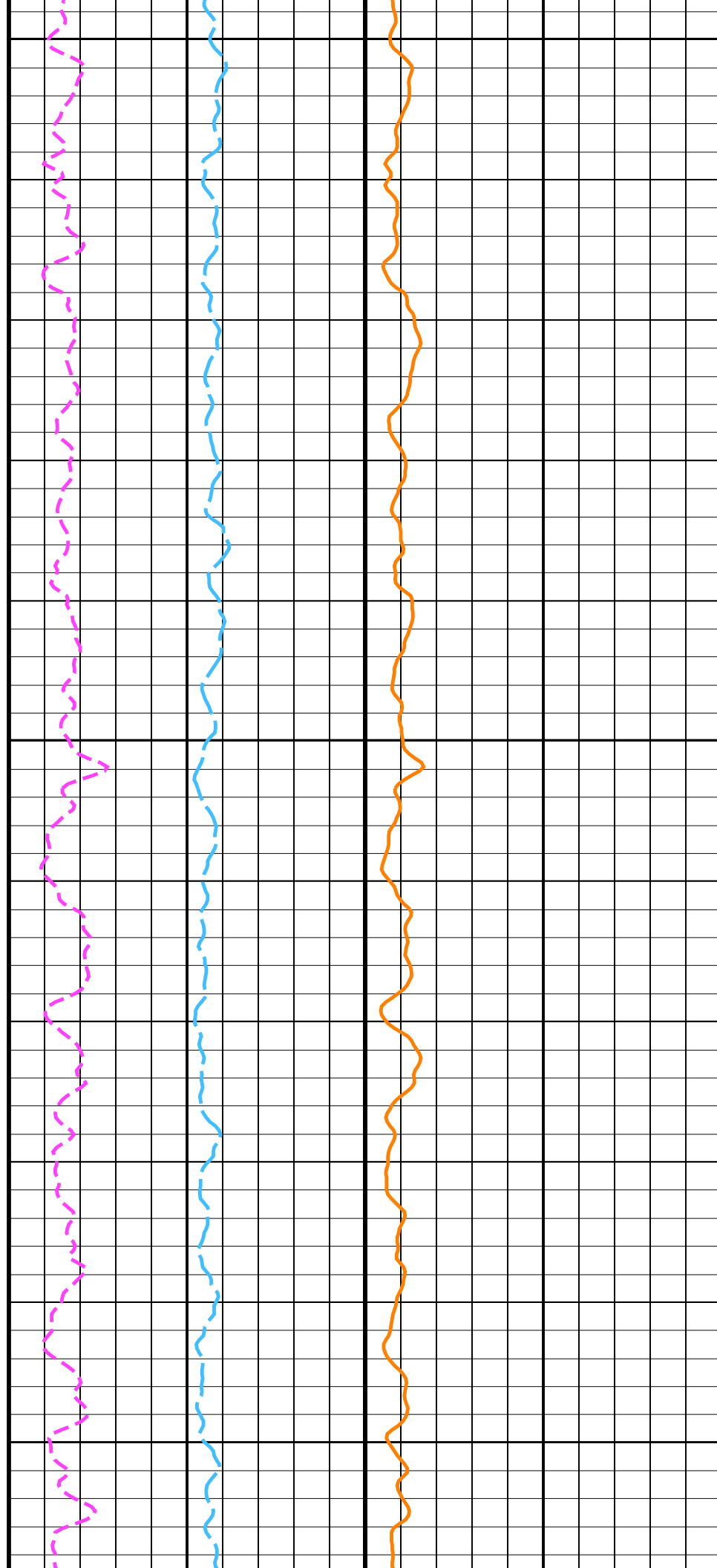


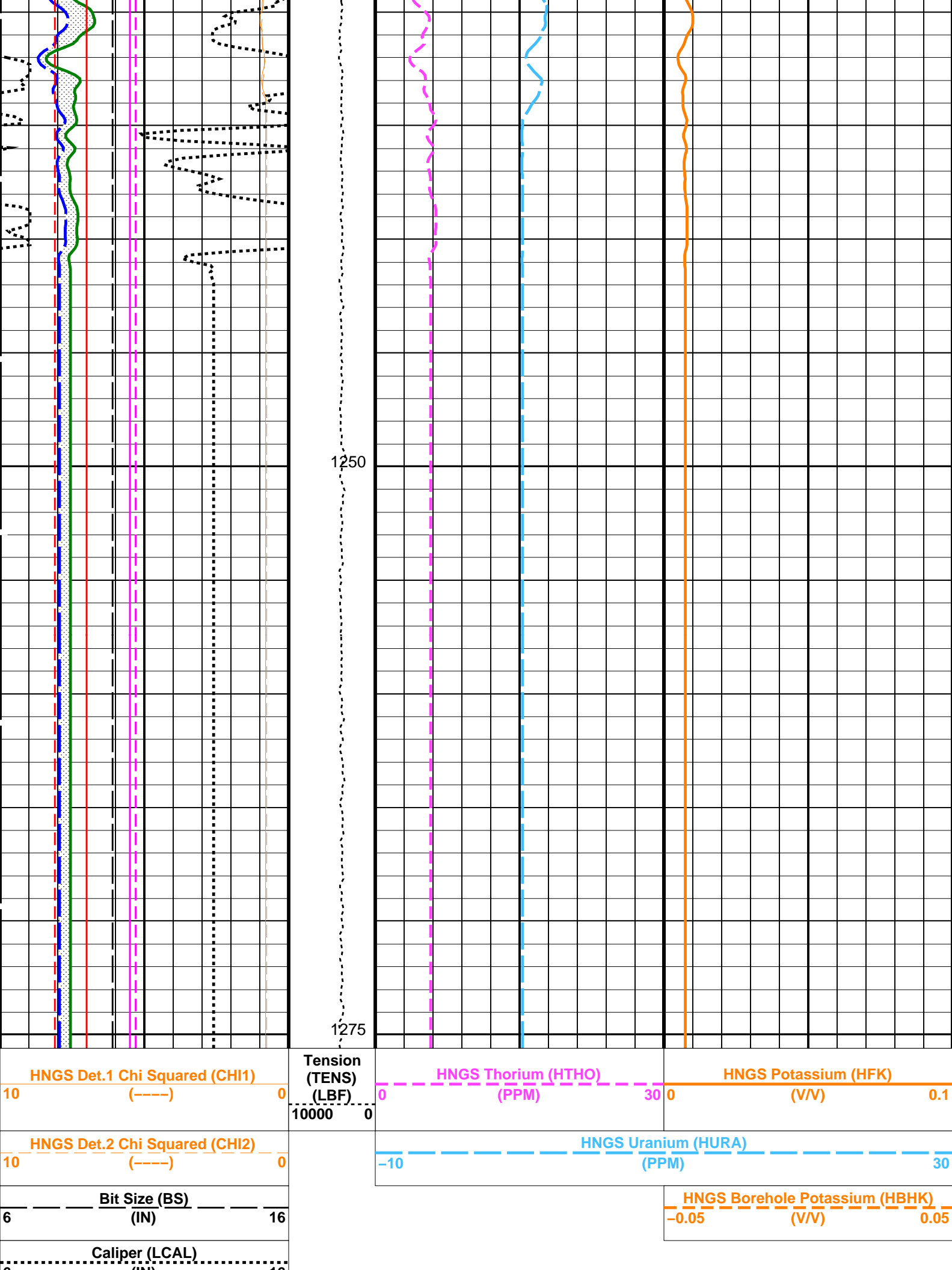


1175

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(IN)		
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	-0.0259507	
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	1.001	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.971039	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	9.00	LB/G

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 11–Jan–2024 19:28
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OP System Version: 19C0–187			
DSST-B	19C0–187	HRLT-B	19C0–187

LDSC-B	19C0-187
HNGS-BA	19C0-187

Output DLIS Files

DEFAULT DSI HRLA LDL NGS 011LUP FN:10 PRODUCER 11-Jan-2024 19:28

Company: International Ocean Discovery Program

Well: Expedition 401, Site U1610A

Output DLIS Files

DEFAULT	DSI HRLA LDL NGS 011LUP	FN:10	PRODUCER	11-Jan-2024 19:28	1275.6 M	1136.1 M
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OP System Version: 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 Spacing Quality Indicator (LQSS)		
-0.25	(---)	0.25

Washout
From BS to HLDS_CALIPER

Mudcake
From HLDS CALIPER to BS

HLDS Caliper (LCAL)		
6	(IN)	16

6 Bit Size (BS) 16

HLDS Bulk Density Correction (DRH)

**Tension
(TENS)
(LBF)**

HLDS Short Spaced Bulk Density (RHS)		
2	(G/C3)	3

HLDS Long Spaced Photoelectric Effect (PEFL)

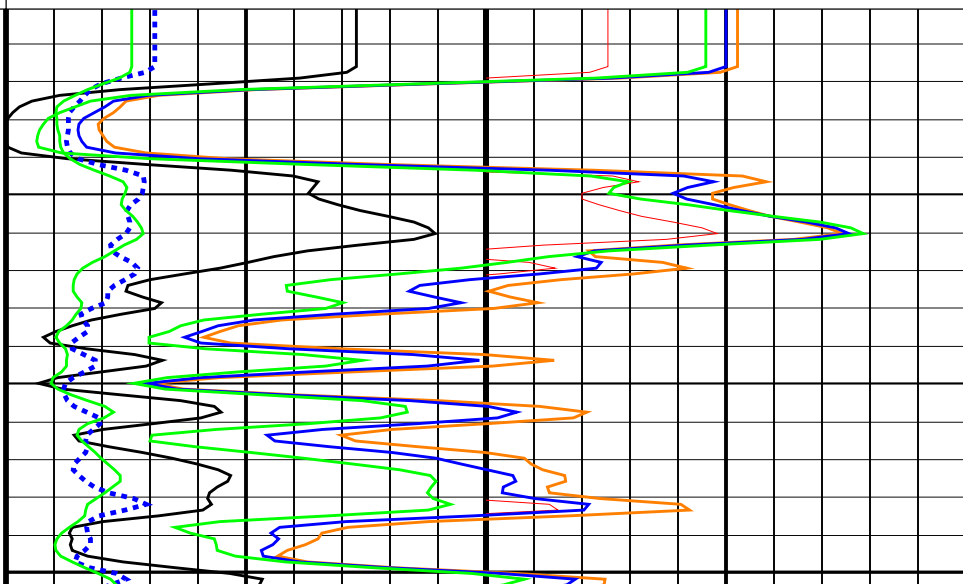
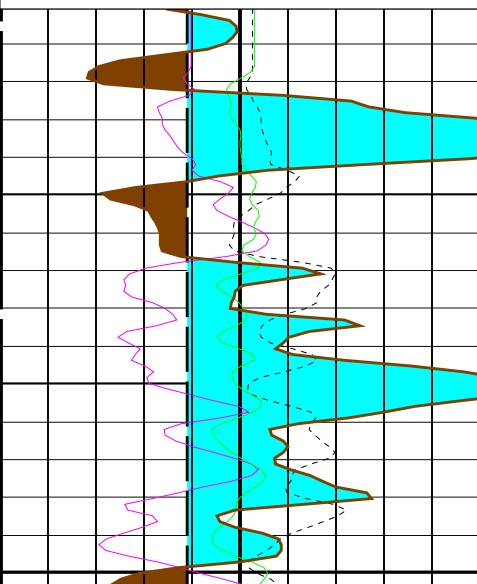
HLDS Short Spaced Photoelectric Effect (PEFS)

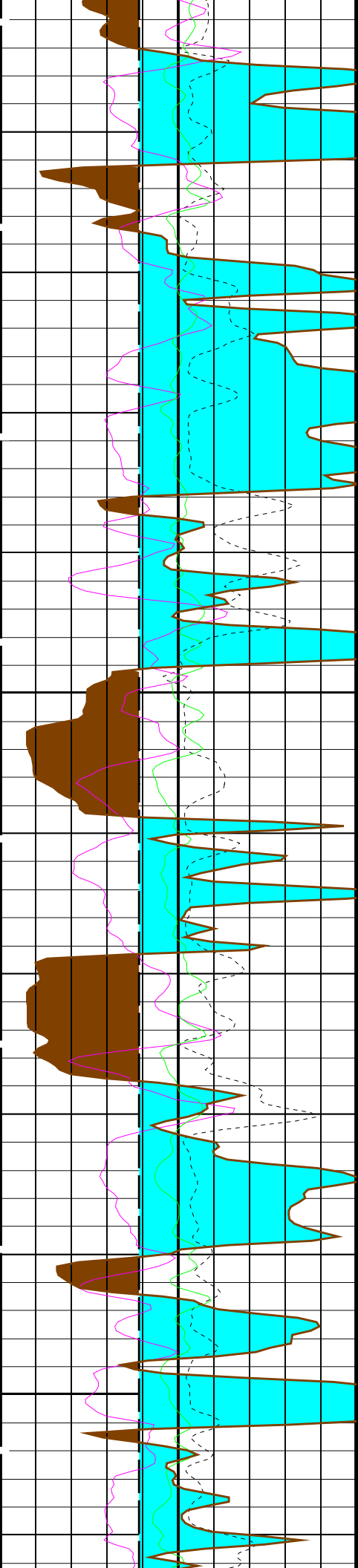
0	(----	10
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HLDS Long Spaced Bulk Density (RHL)		
2	(G/C3)	3

HLDS SS2 Density (RHS3)		HLDS Density Porosity (DPO)	
2	(G/C3)	30	(PU)

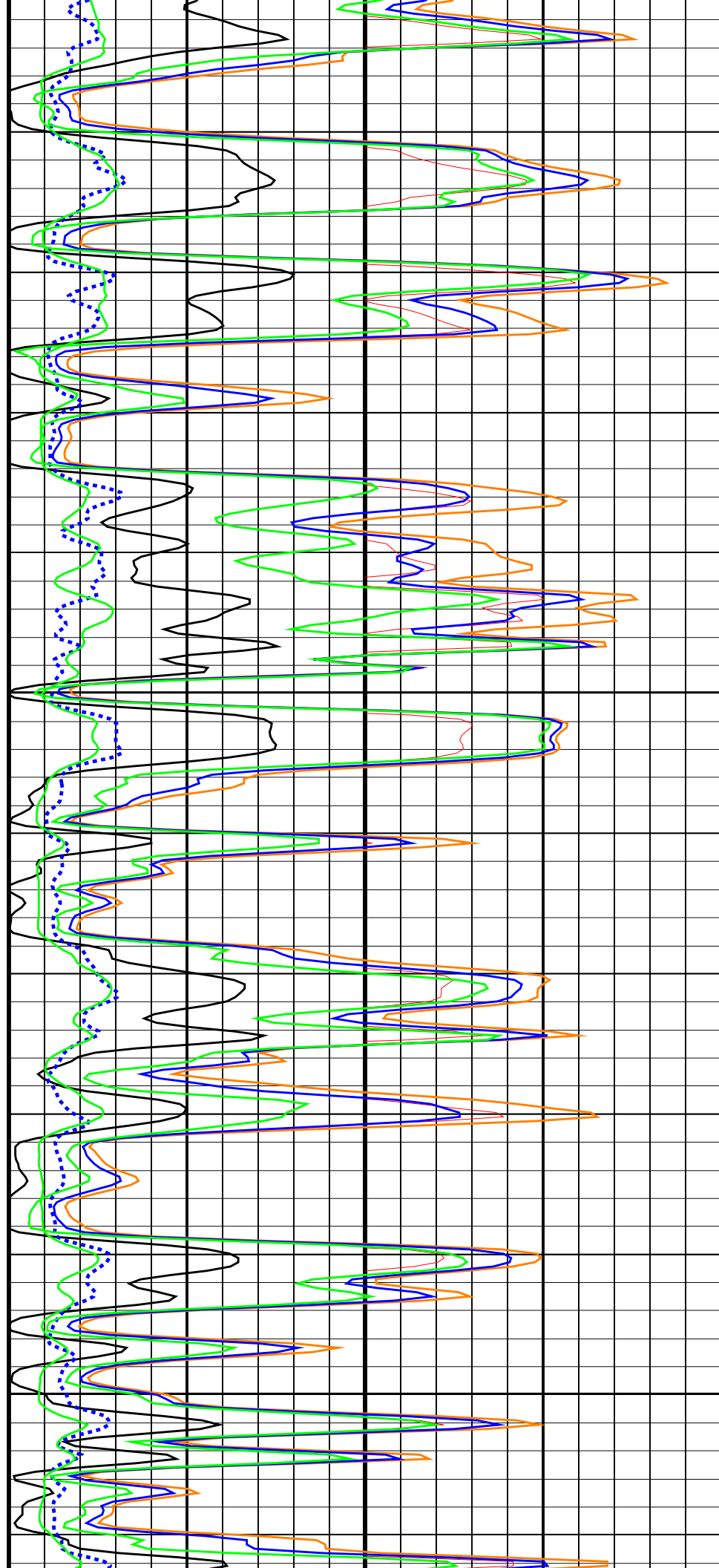
HLDS Bulk Density (RHOM)		
2	(G/C3)	3

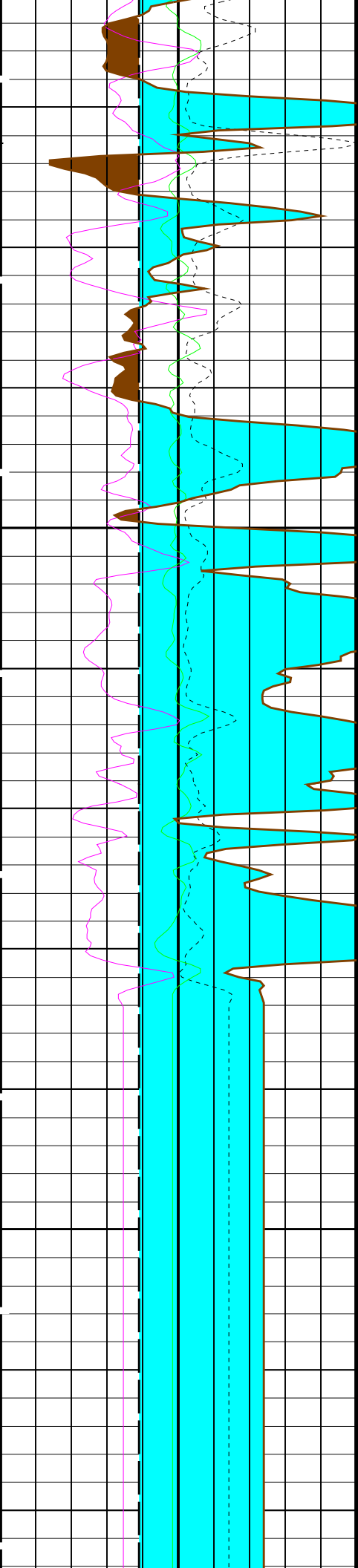




1175

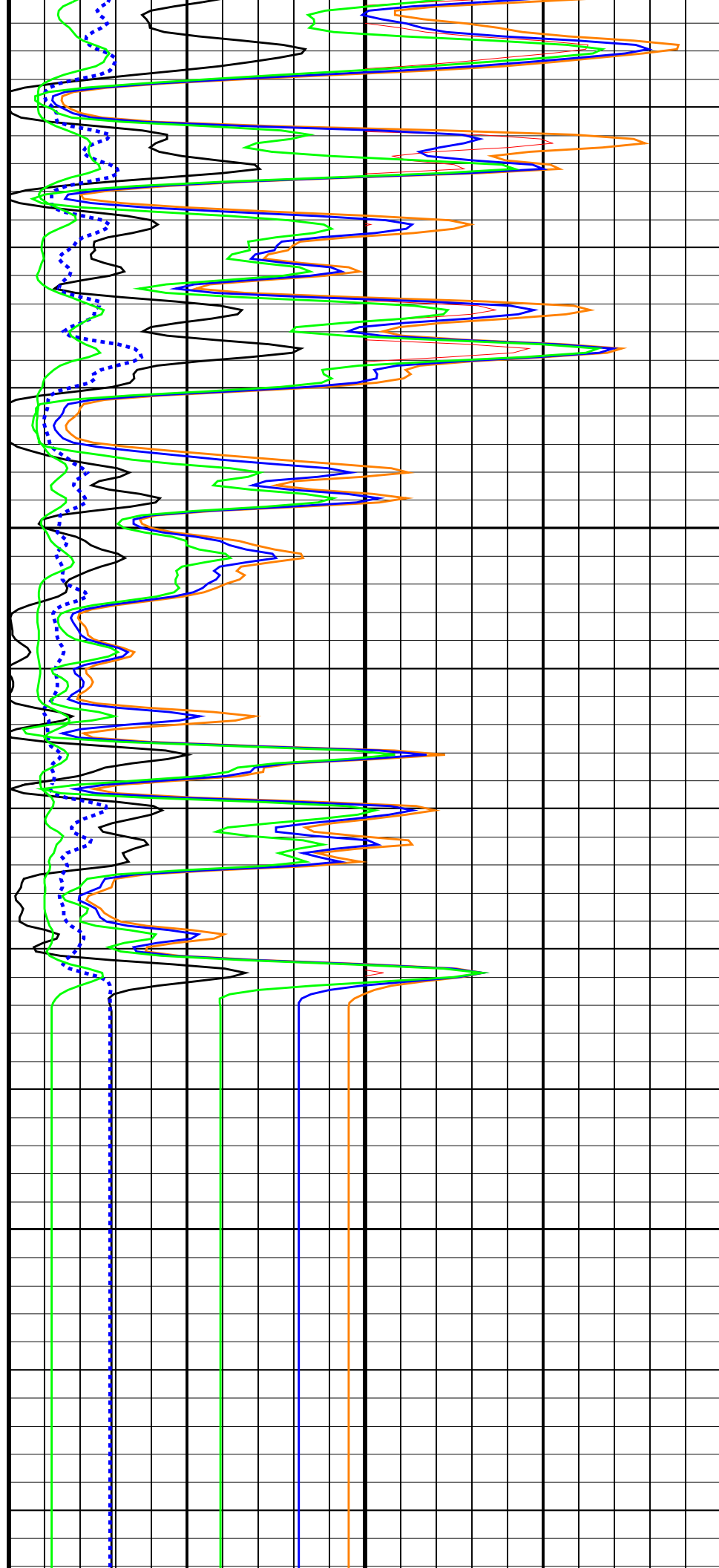
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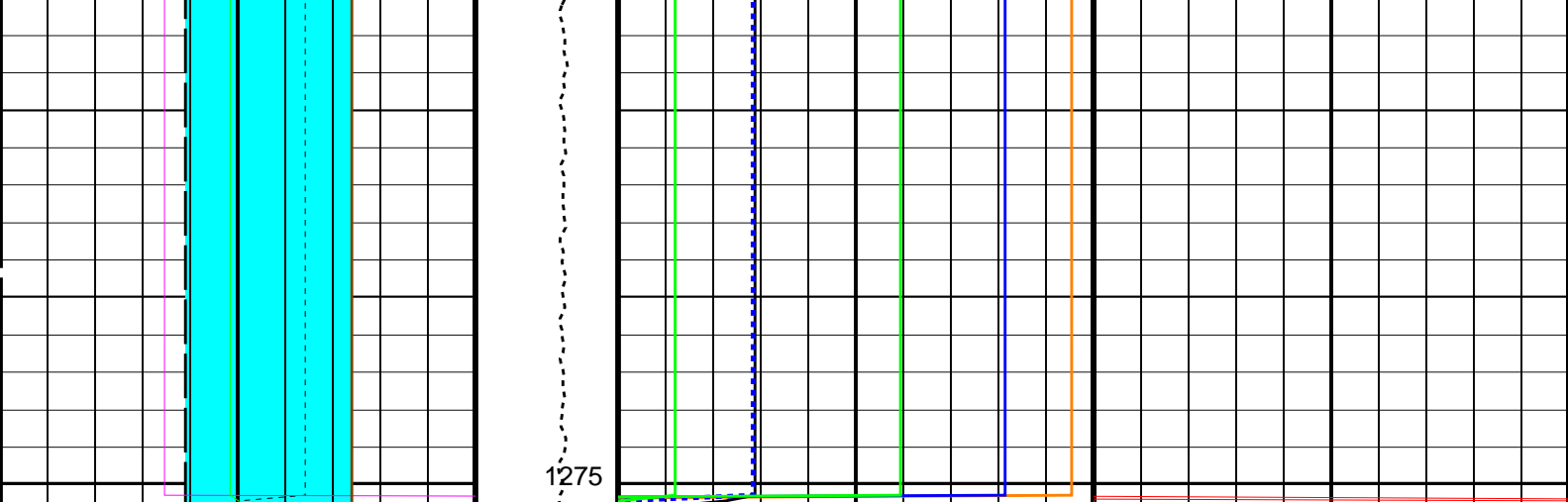




1225

1250





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		
				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
DHC	HLDS: Hostile Litho-Density Sonde	
DPPM	Density Hole Correction	BS
FD	Density Porosity Processing Mode	HIRS
LATC	Fluid Density	1 G/C3
MDEN	HLDS Activation Correction	OFF
	Matrix Density	2.6 G/C3
DPPM	EDTC-B: Enhanced DTS Cartridge	
	Density Porosity Processing Mode	HIRS
BS	System and Miscellaneous	
DFD	Bit Size	9.875 IN
	Drilling Fluid Density	9.00 LB/G

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 11-Jan-2024 19:28

OP System Version: 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

Company: International Ocean Discovery Program

Well: Expedition 401, Site U1610A

Output DLIS Files

DEFAULTDSI_HRLA_LDL_NGS_011LUPFN:10PRODUCER11-Jan-2024 19:281275.6 M1136.1 M

OP System Version: 19C0-187

DSST-B19C0-187

HLDS19C0-187

HNGC-B19C0-187

EDTC-B19C0-187

HRLT-B19C0-187

LDSC-B19C0-187

HNGS-BA19C0-187

PIP SUMMARY

Time Mark Every 60 S

		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

Invasion Diameter (DI_HRLT)

050

(IN)

Bit Size (BS)

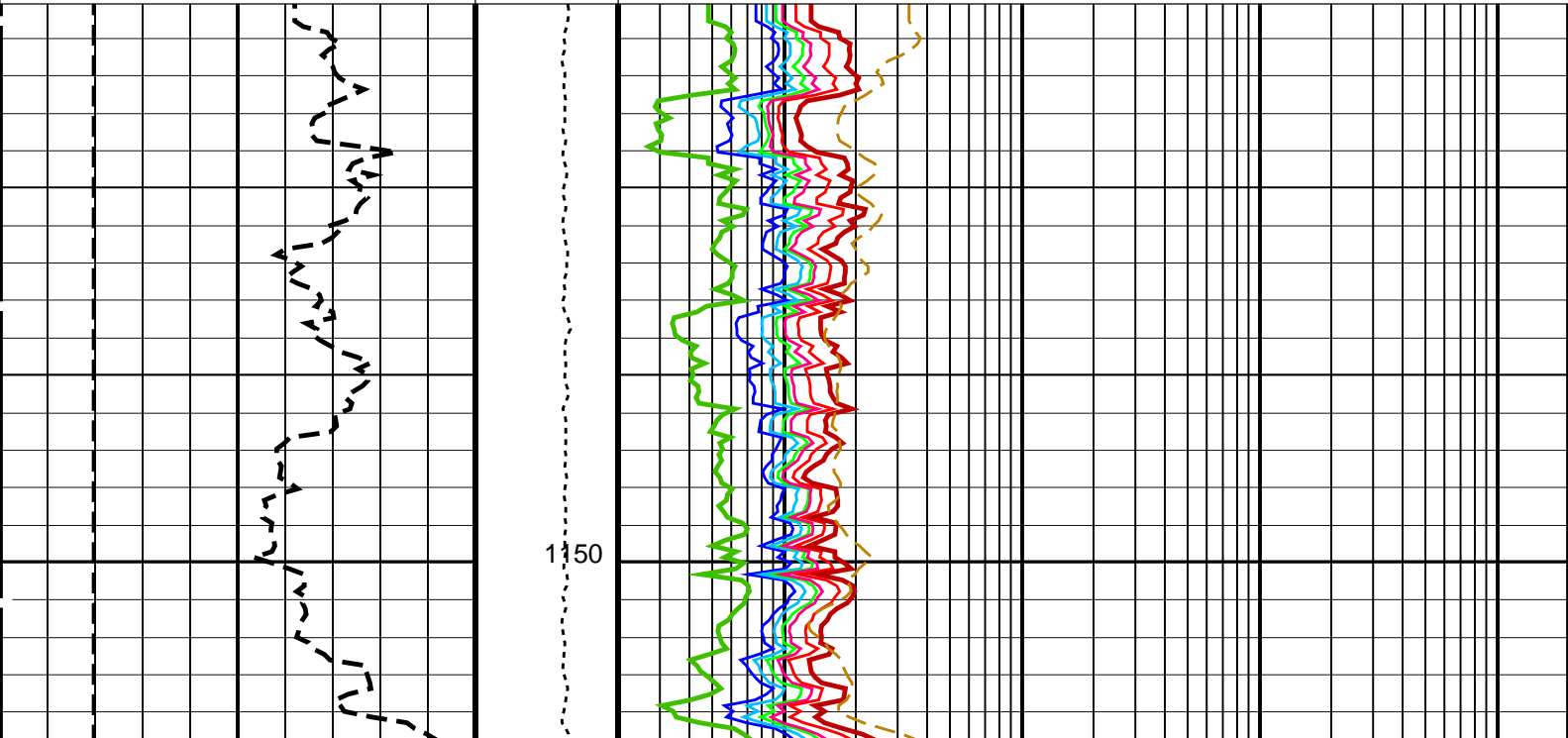
626

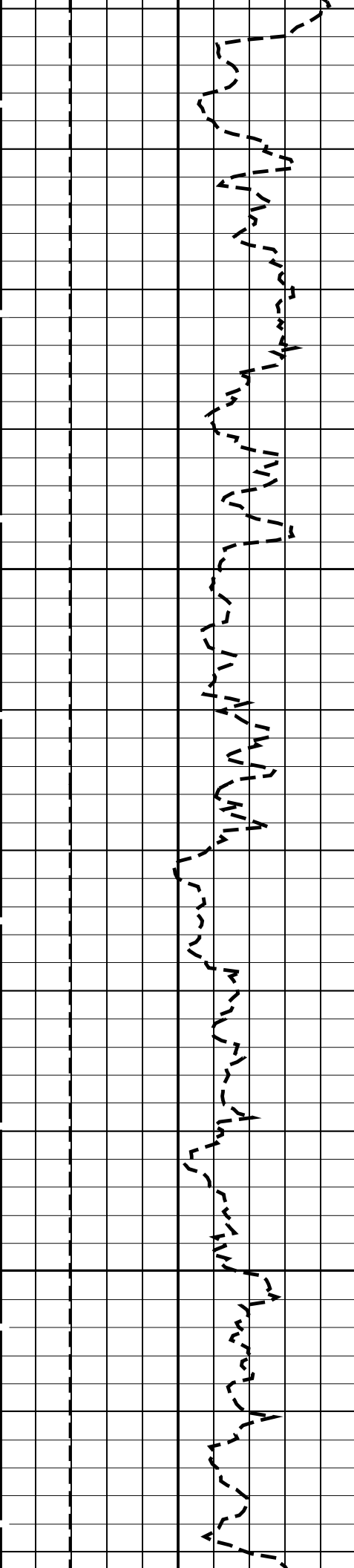
(IN)

Tension (TENS)

100000

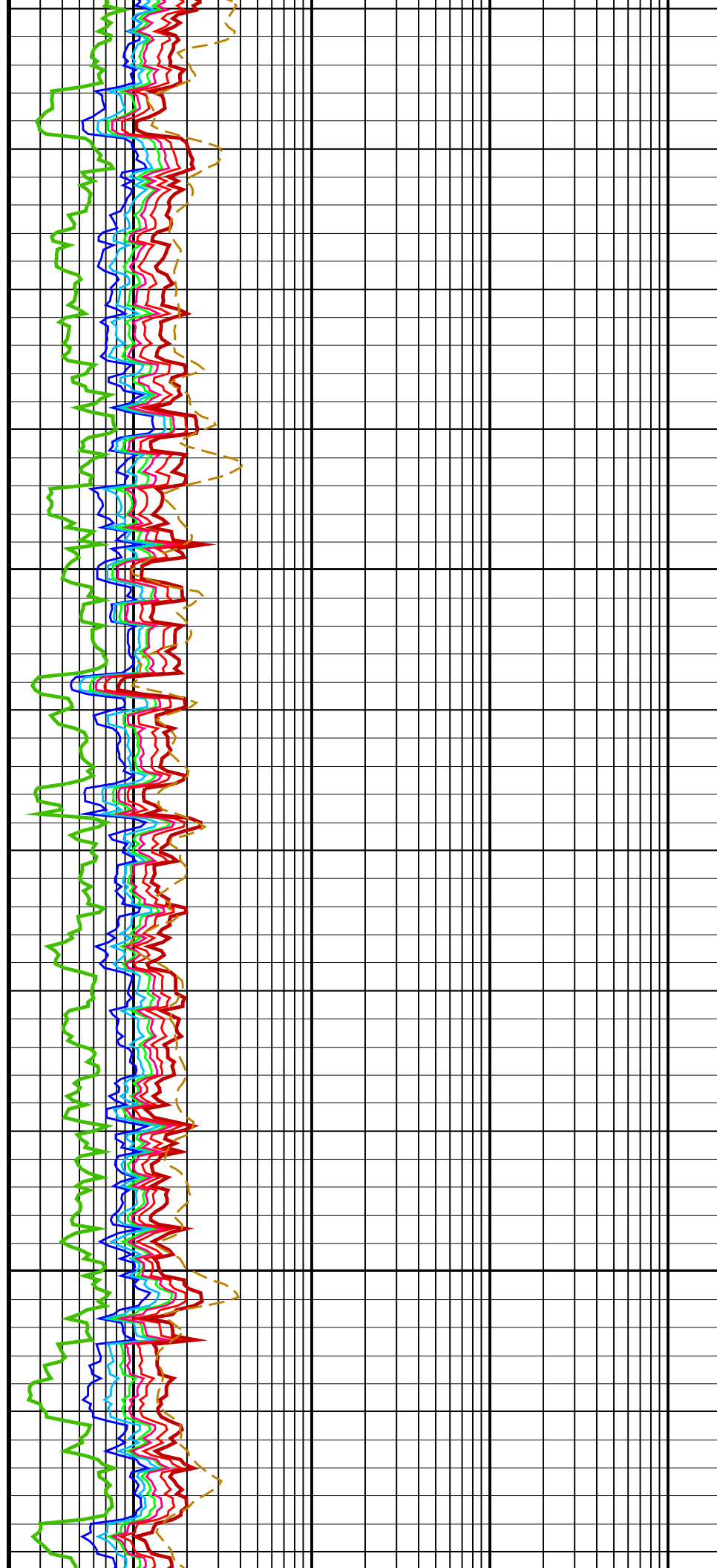
(LBF)

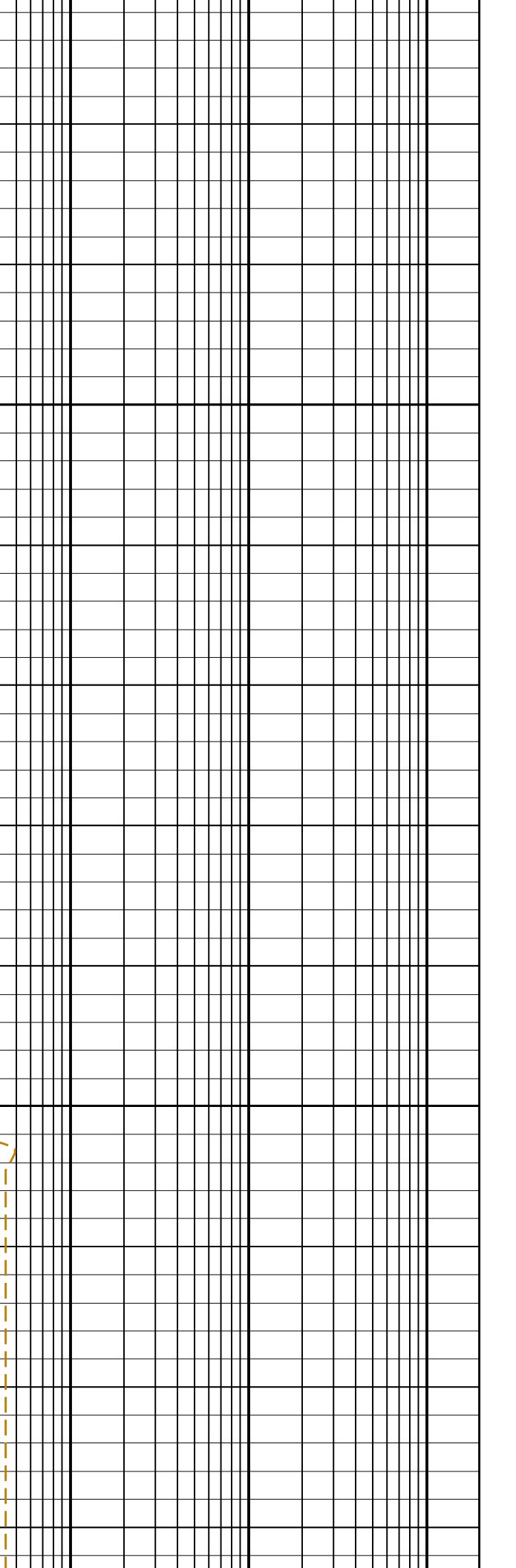
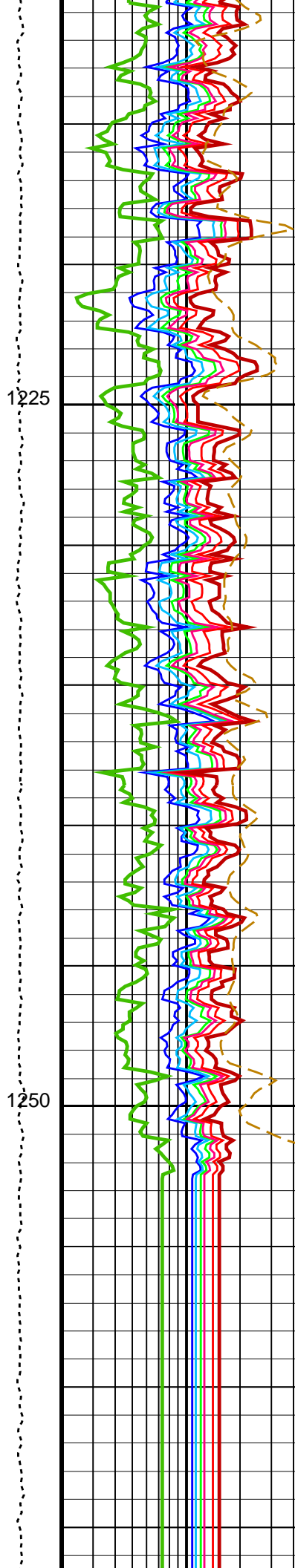
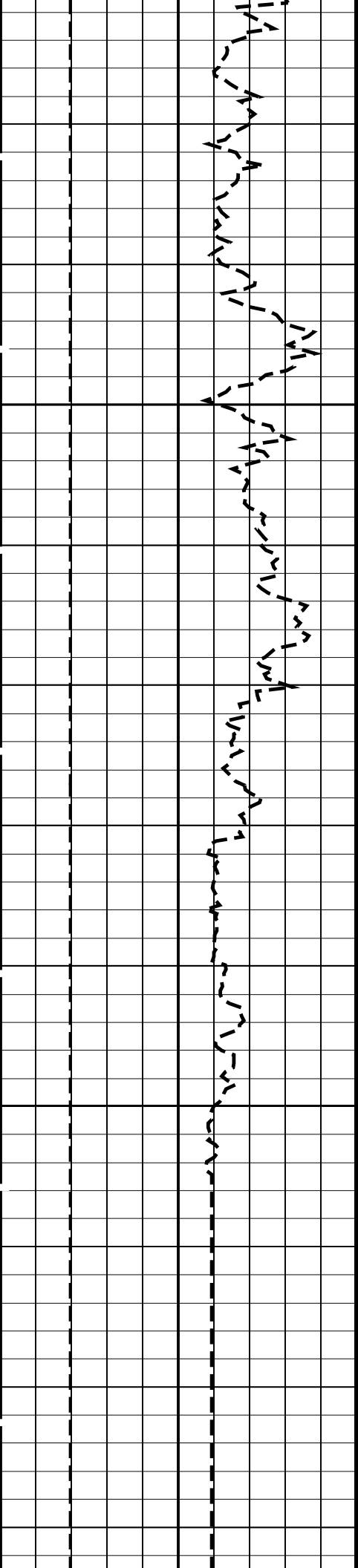


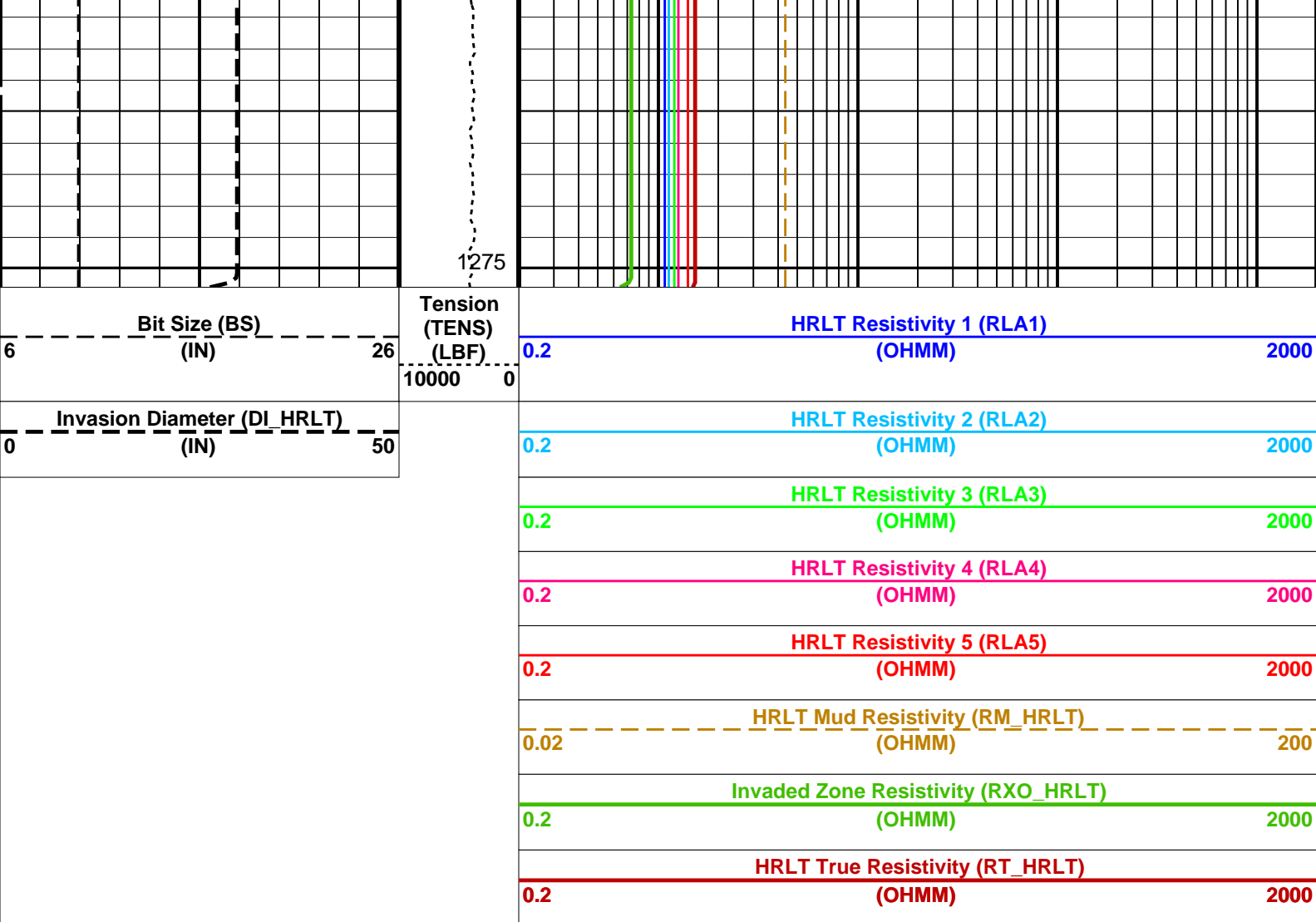


1175

1200







Time Mark Every 60 S

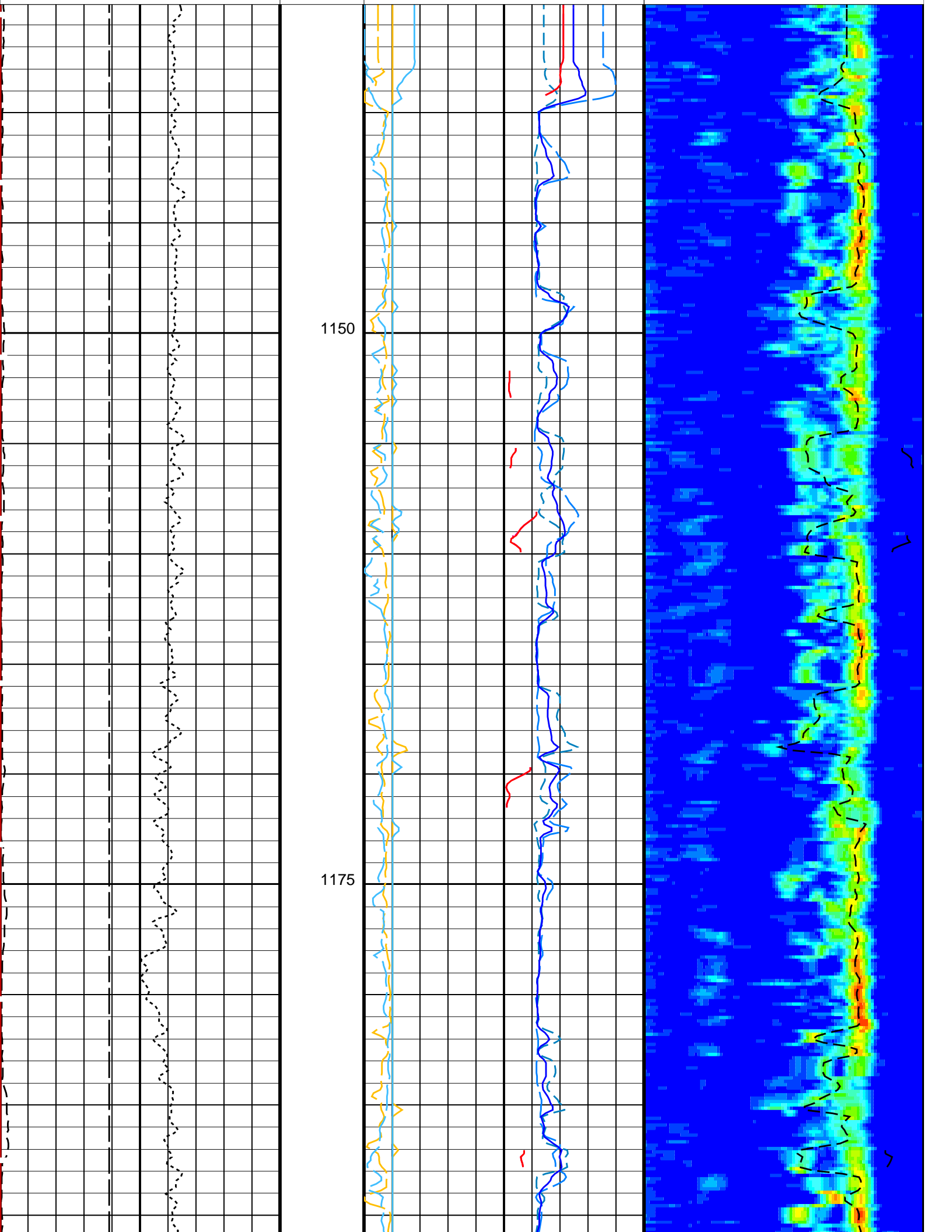
Parameters

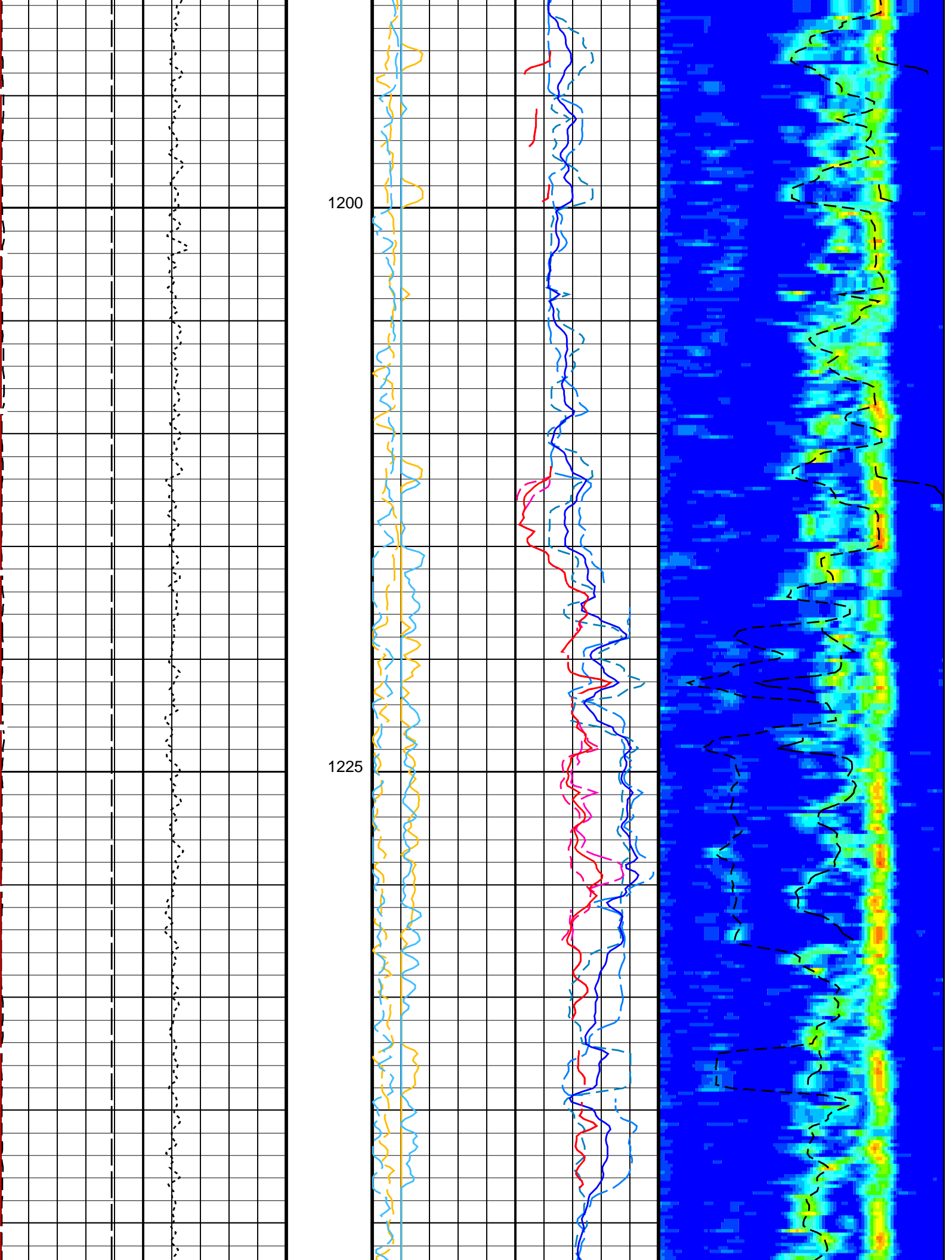
DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager - B			
BHT	Bottom Hole Temperature (used in calculations)	35	DEGF
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
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	
PROCML	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSP	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

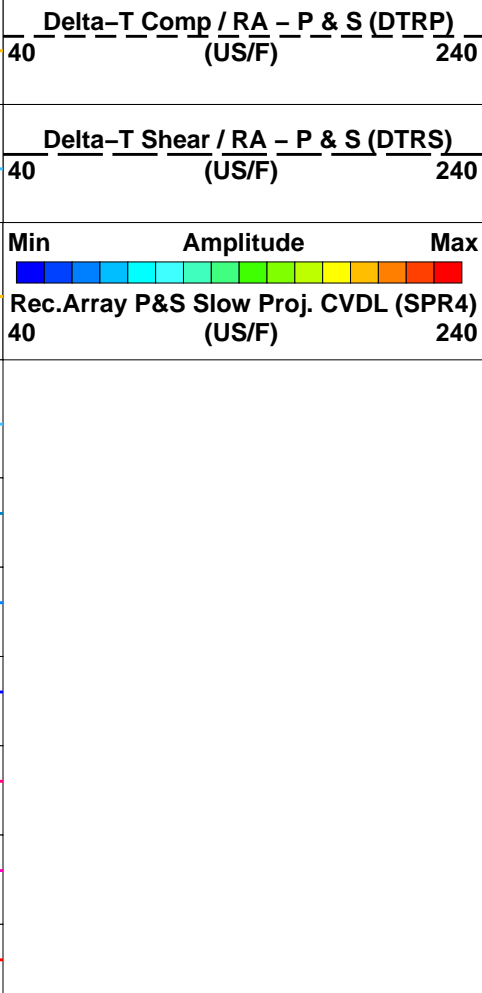
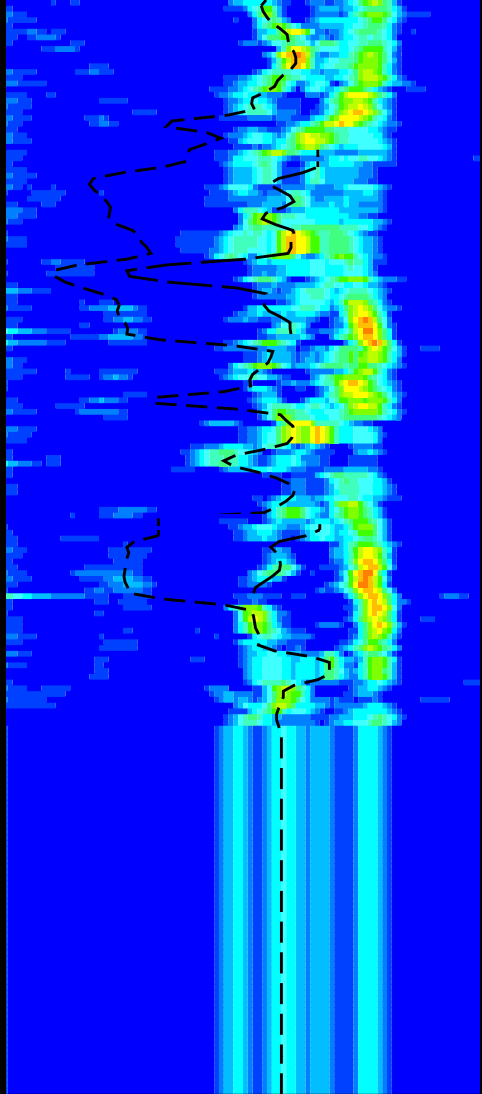
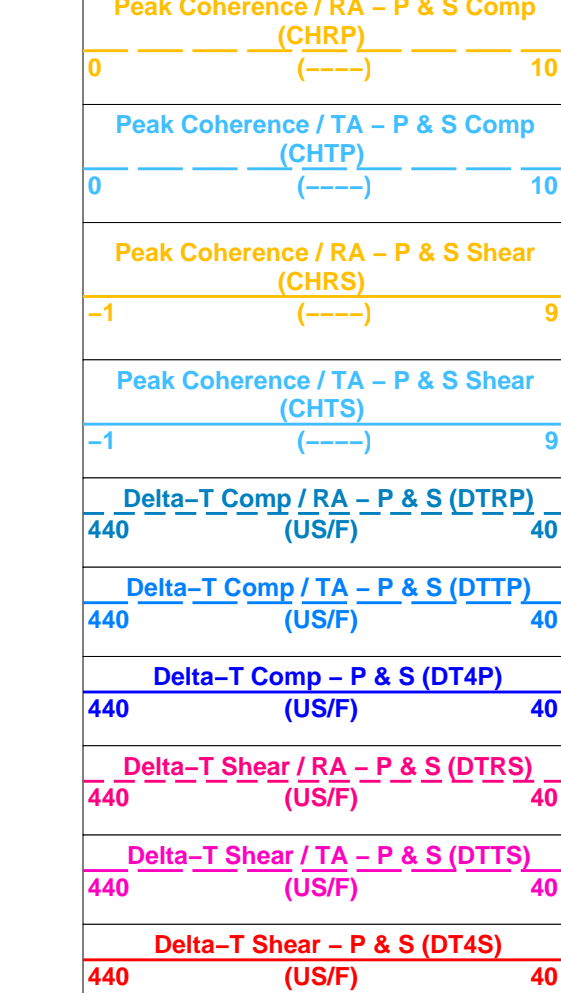
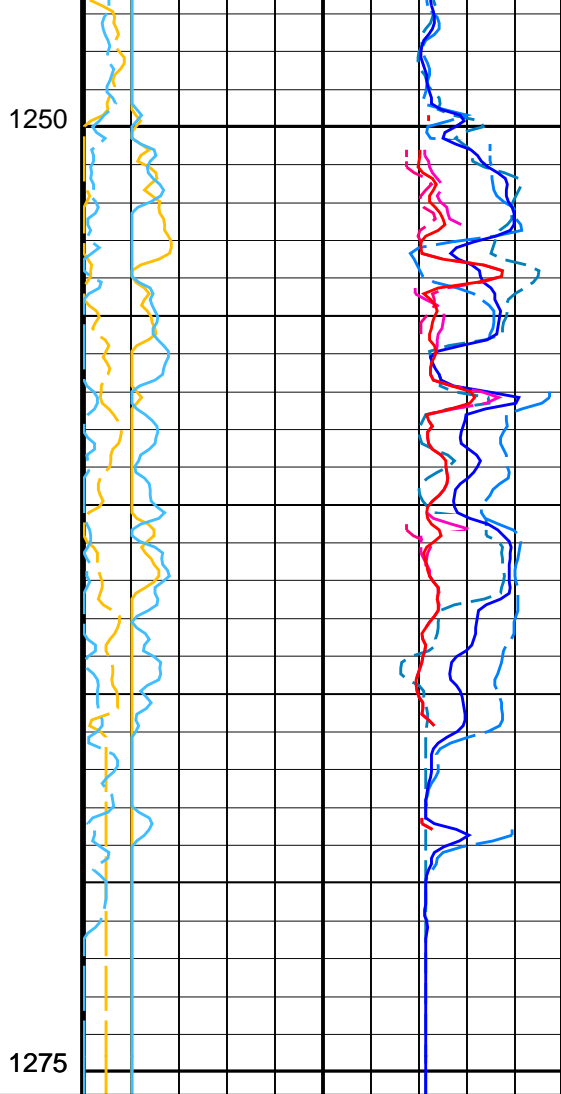
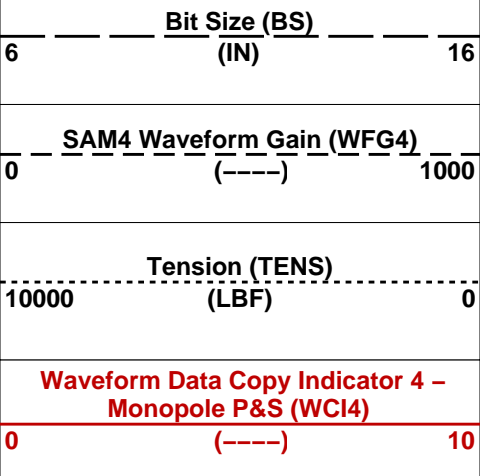
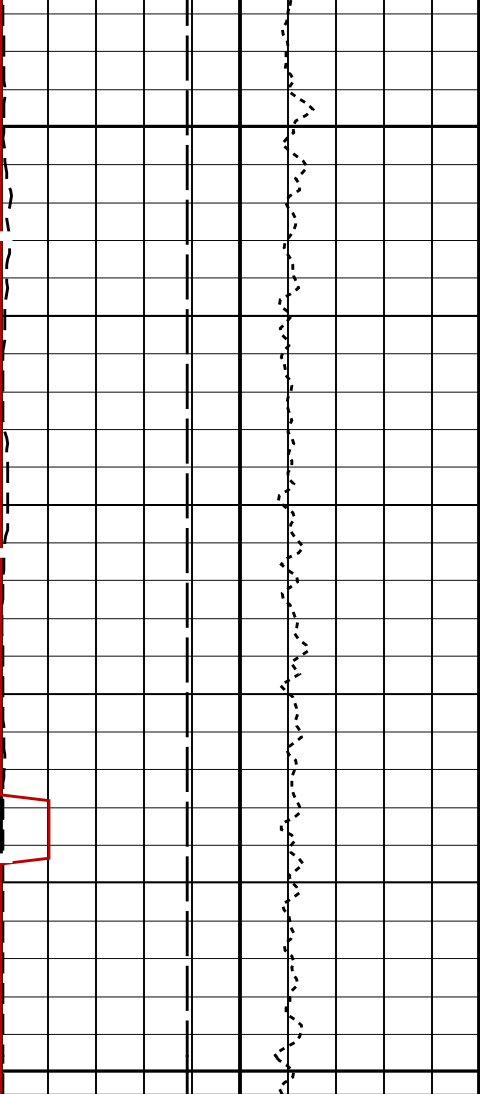
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	68	DEGF
System and Miscellaneous			
BS	Bit Size	9.875	IN
MST	Mud Sample Temperature	23.00	DEGC
TD	Total Depth	10190.3	FT
Format: HRLT		Vertical Scale: 1:200	
		Graphics File Created: 11-Jan-2024 19:28	
OP System Version: 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	DSI_HRLA_LDL_NGS_011LUP	FN:10	PRODUCER 11-Jan-2024 19:28

Company: International Ocean Discovery Program				Well: Expedition 401, Site U1610A			
Output DLIS Files							
DEFAULT	DSI_HRLA_LDL_NGS_011LUP	FN:10	PRODUCER	11-Jan-2024 19:28	1275.6 M	1136.1 M	
OP System Version: 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>Waveform Data Copy Indicator 4 – Monopole P&S (WCI4)</div> <div>0 (----) 10</div> <div>Tension (TENS)</div> <div>10000 (LBF) 0</div> <div>SAM4 Waveform Gain (WFG4)</div> <div>0 (----) 1000</div> <div>Bit Size (BS)</div> <div>6 (IN) 16</div>	Delta-T Shear – P & S (DT4S)			
	440 (US/F) 40			
	Delta-T Shear / TA – P & S (DTTS)			
	440 (US/F) 40			
	Delta-T Shear / RA – P & S (DTRS)			
	440 (US/F) 40			
	Delta-T Comp – P & S (DT4P)			
	440 (US/F) 40			
	Delta-T Comp / TA – P & S (DTTP)			
	440 (US/F) 40			
	Delta-T Comp / RA – P & S (DTRP)			
	440 (US/F) 40			
Peak Coherence / TA – P & S Shear (CHTS)				
-1 (----) 9				
Peak Coherence / RA – P & S Shear (CHRS)				
-1 (----) 9				
Peak Coherence / TA – P & S Comp (CHTP)				
0 (----) 10				
Peak Coherence / RA – P & S Comp (CHRP)				
0 (----) 10				
<div>Min Amplitude Max</div> <div>Rec.Array P&S Slow Proj. CVDL (SPR4)</div> <div>40 (US/F) 240</div>		Delta-T Shear / RA – P & S (DTRS)		
		40 (US/F) 240		
		Delta-T Comp / RA – P & S (DTRP)		
		40 (US/F) 240		







Parameters

DLIS Name	Description	Value	
DSST-B: Dipole Shear Imager – B			
BHS	Borehole Status	OPEN	
CASF	Label Casing Function – Monopole P&S	50	
COLL	Label Slowness Lower Limit – Monopole P&S Compressional	40	US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	180	US/F
DDE4	Digitizing Delay 4	0	US
DDEX	Digitizing Delay X	0	US
DSI4	Digitizer Sample Interval 4	10	US
DSIX	Digitizer Sample Interval X	40	US
DTF	Delta-T Fluid	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	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	B3–20K	
SHLL	Label Slowness Lower Limit – Monopole P&S Shear	75	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	180	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
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	9.875	IN

Format: DSST_P_S_VDL_COLOR

Vertical Scale: 1:200

Graphics File Created: 11-Jan-2024 19:28

OP System Version: 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

Company: International Ocean Discovery Program

Well: Expedition 401, Site U1610A

Output DLIS Files

DEFAULTDSI_HRLA_LDL_NGS_011LUPFN:10PRODUCER11-Jan-2024 19:281275.6 M1136.1 M

OP System Version: 19C0-187

DSST-B19C0-187

HLDS19C0-187

HNGC-B19C0-187

EDTC-B19C0-187

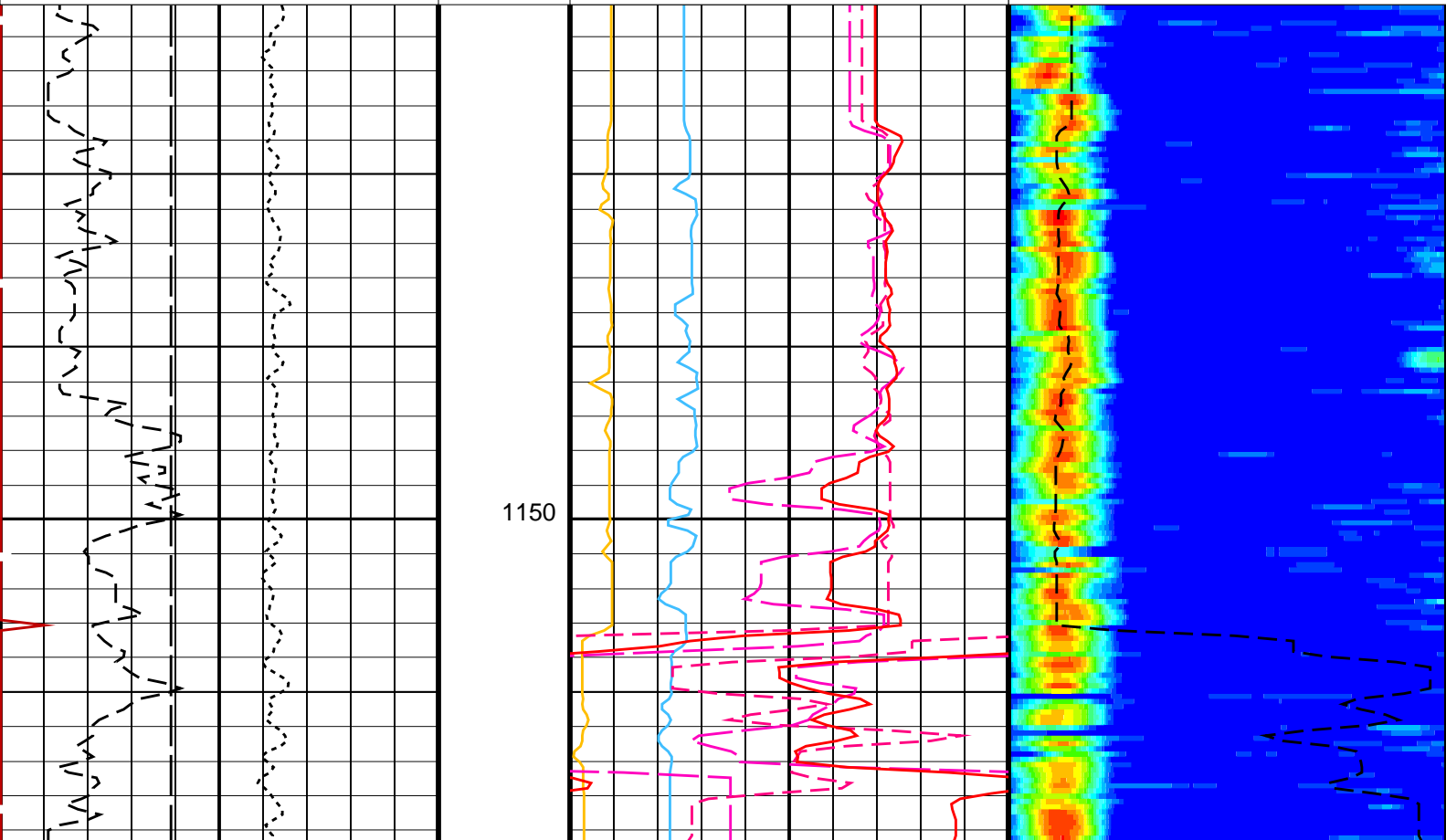
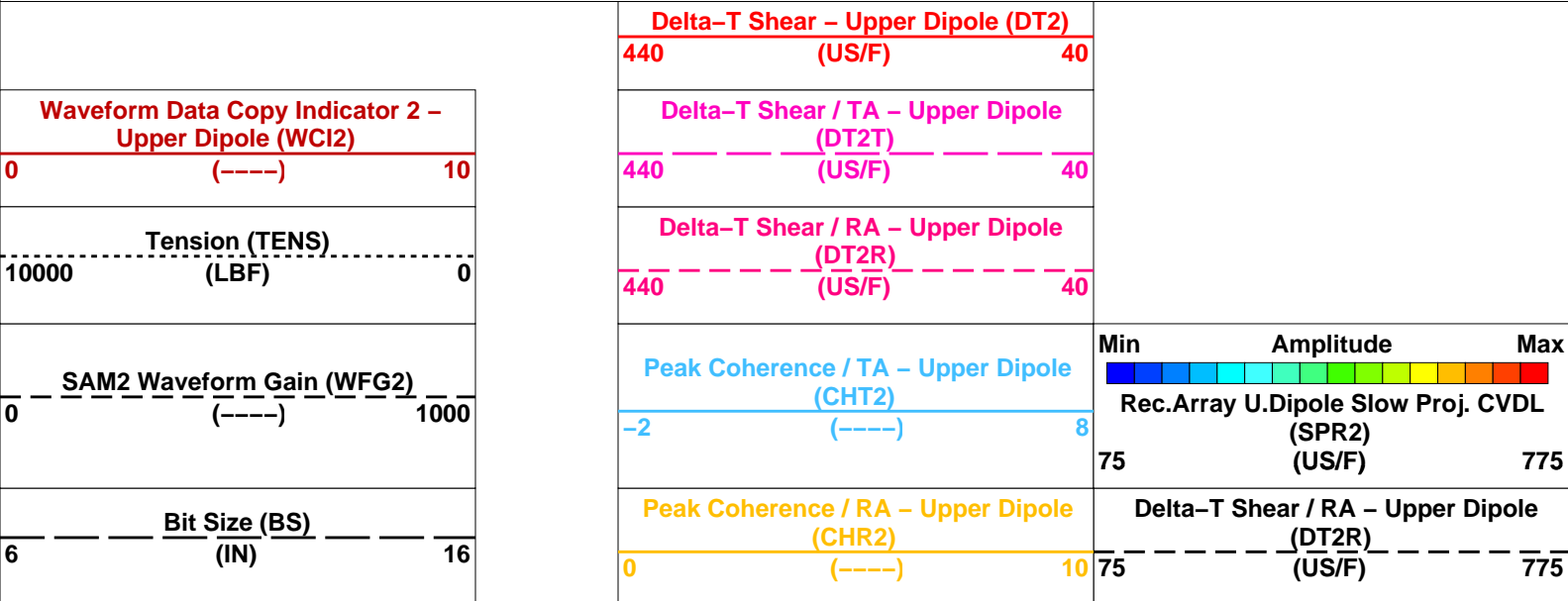
HRLT-B19C0-187

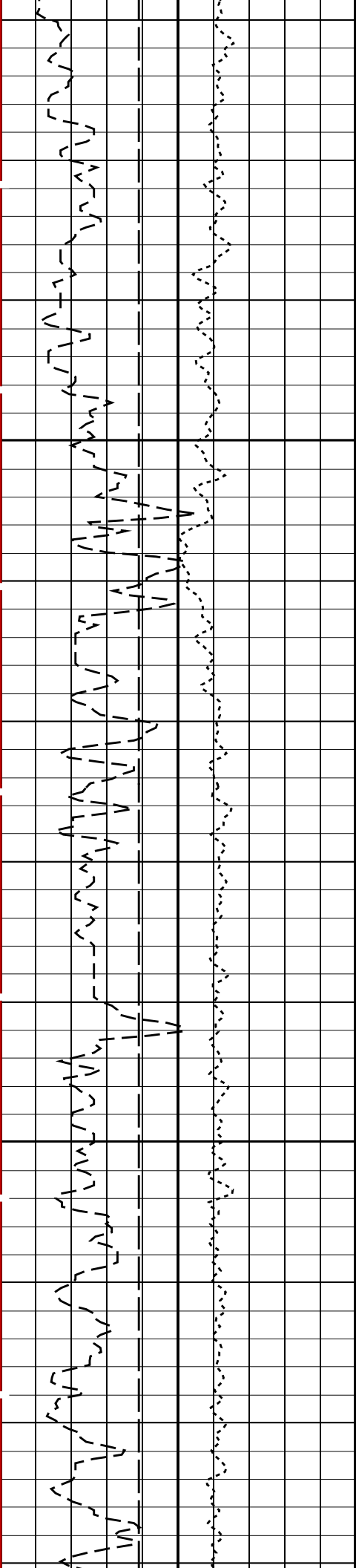
LDSC-B19C0-187

HNGS-BA19C0-187

PIP SUMMARY

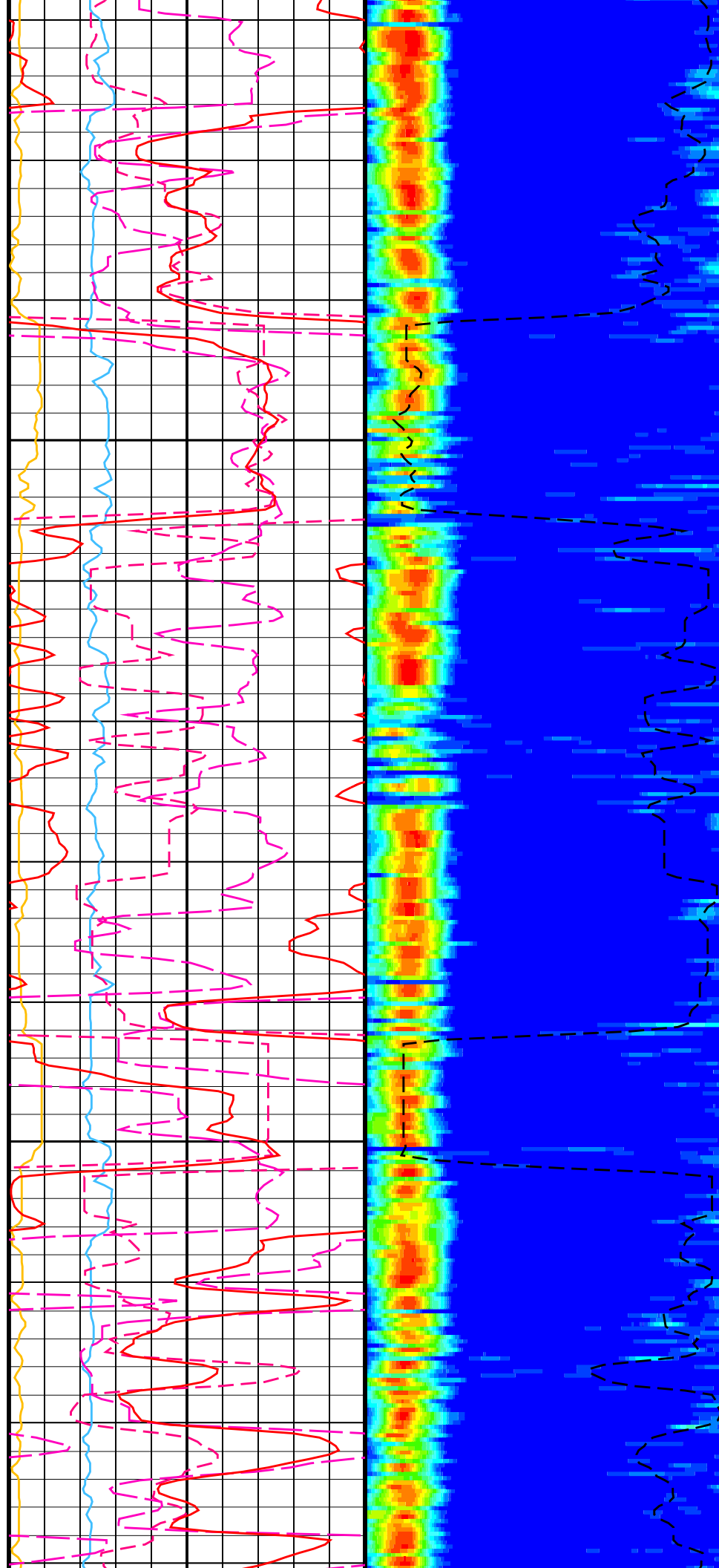
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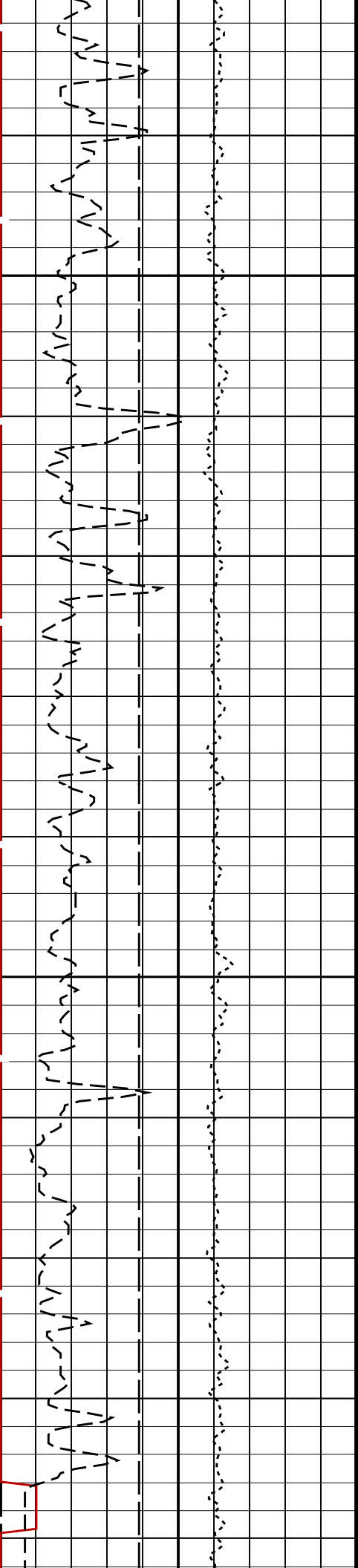




1175

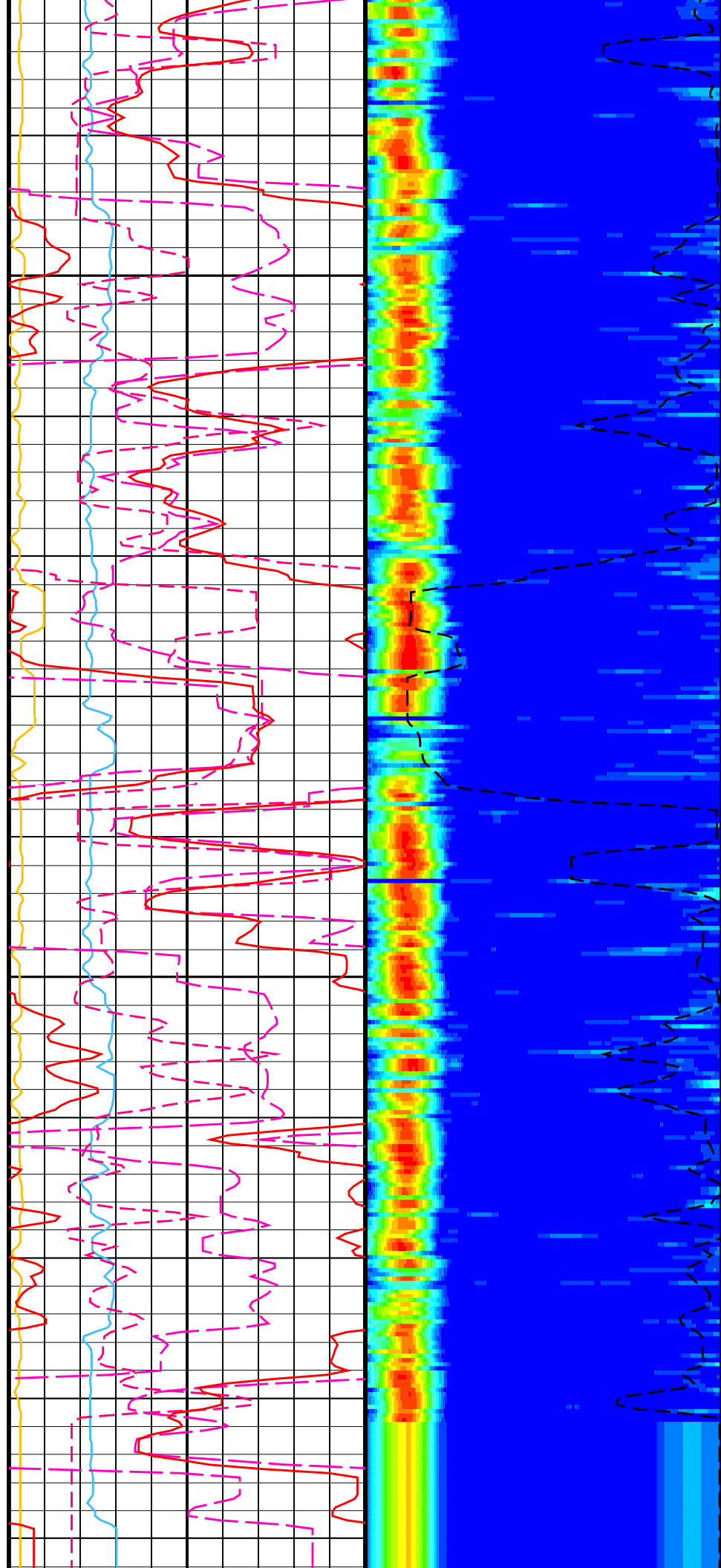
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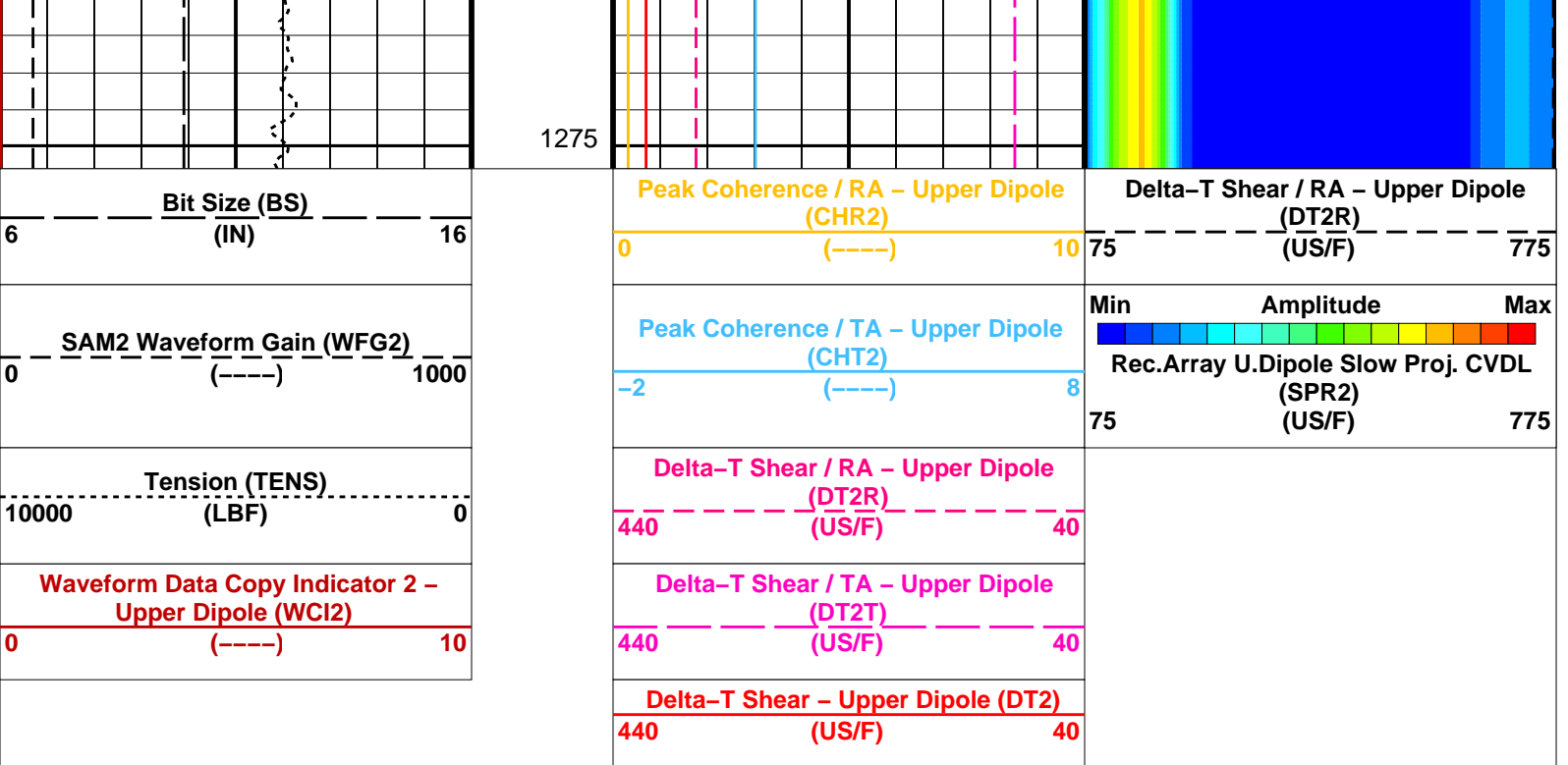




1225

1250





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	775 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	9 875 IN

OP System Version: 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	DSI_HRLA_LDL_NGS_011LUP	FN:10	PRODUCER	11-Jan-2024 19:28
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Company: International Ocean Discovery Program

Well: Expedition 401, Site U1610A

Output DLIS Files

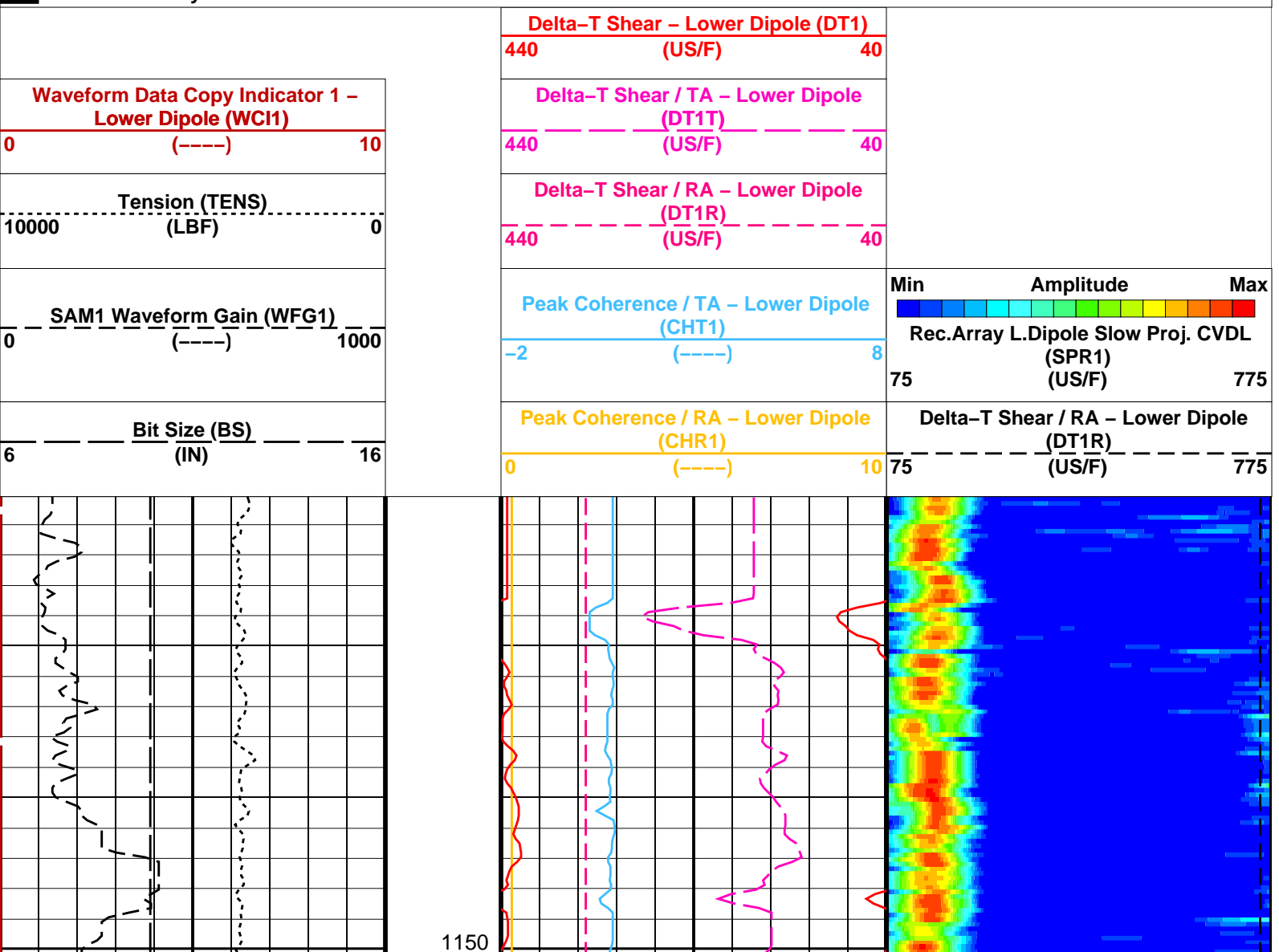
DEFAULT	DSI_HRLA_LDL_NGS_011LUP	FN:10	PRODUCER	11-Jan-2024 19:28	1275.6 M	1136.1 M
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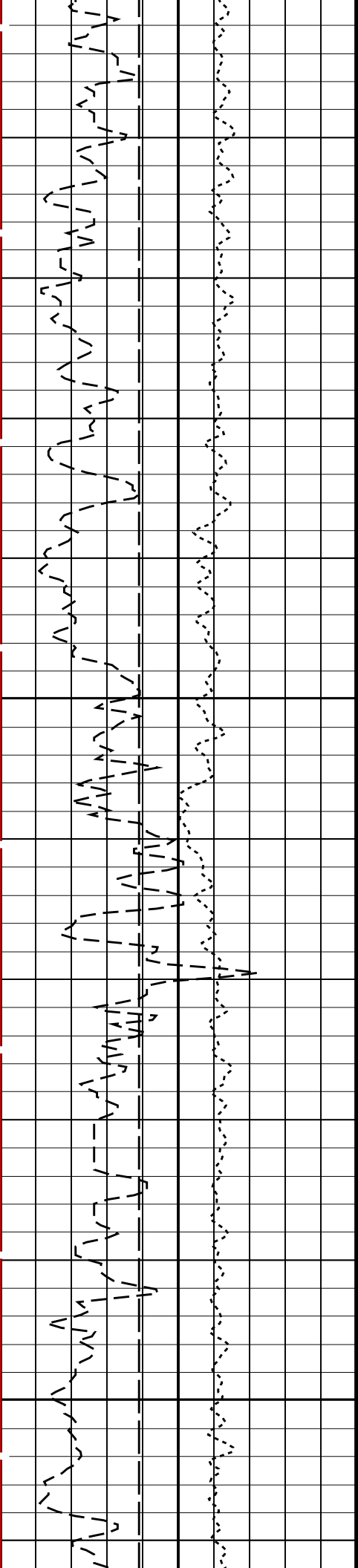
OP System Version: 19C0-187

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

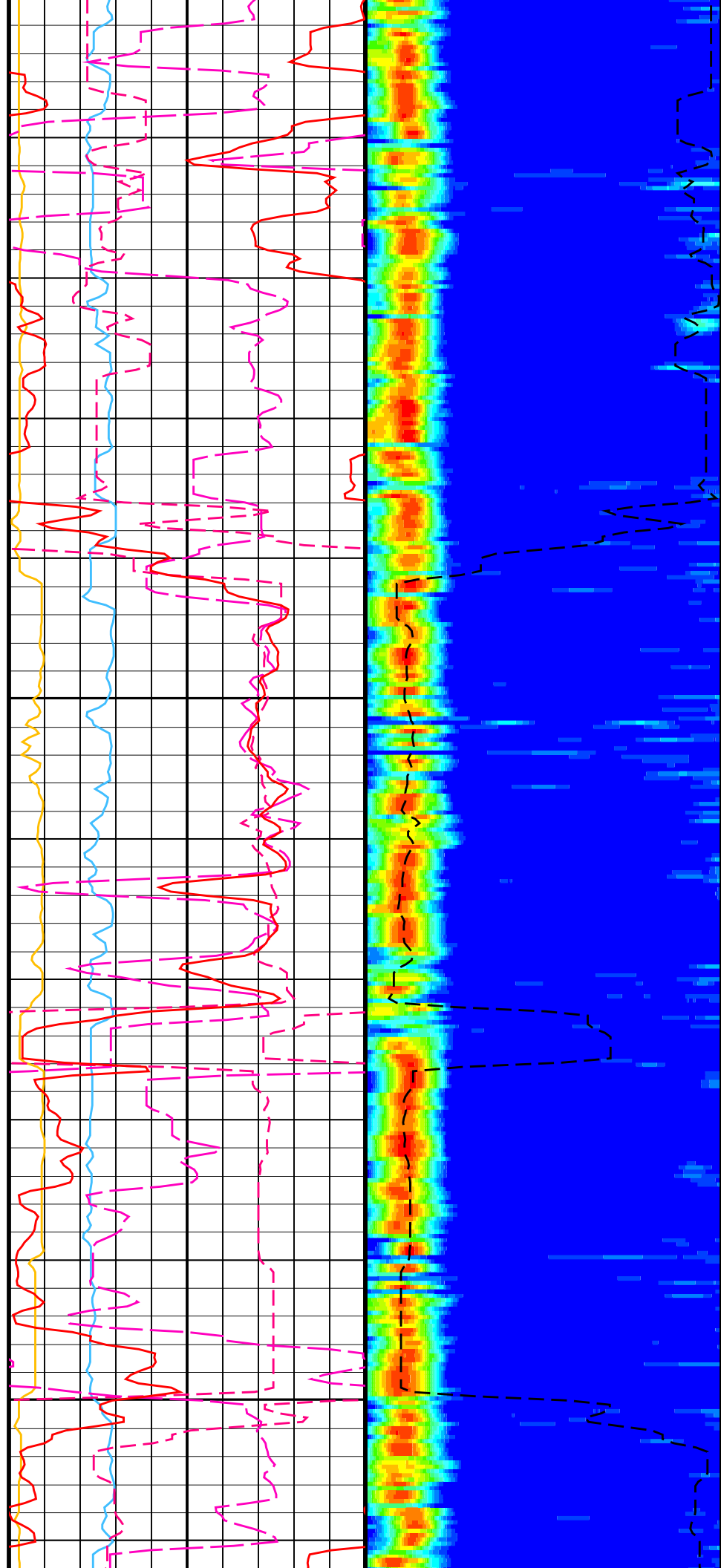
Time Mark Every 60 S

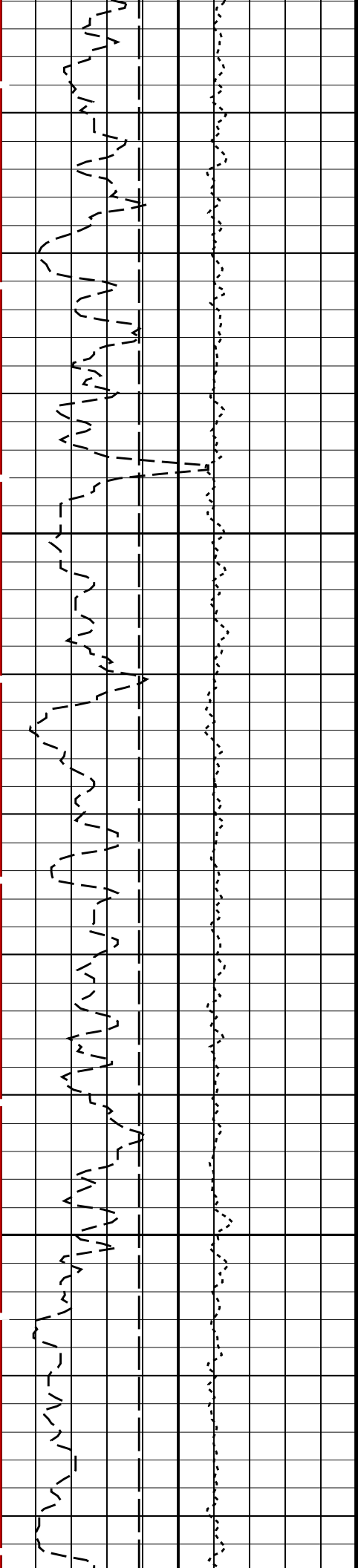




1175

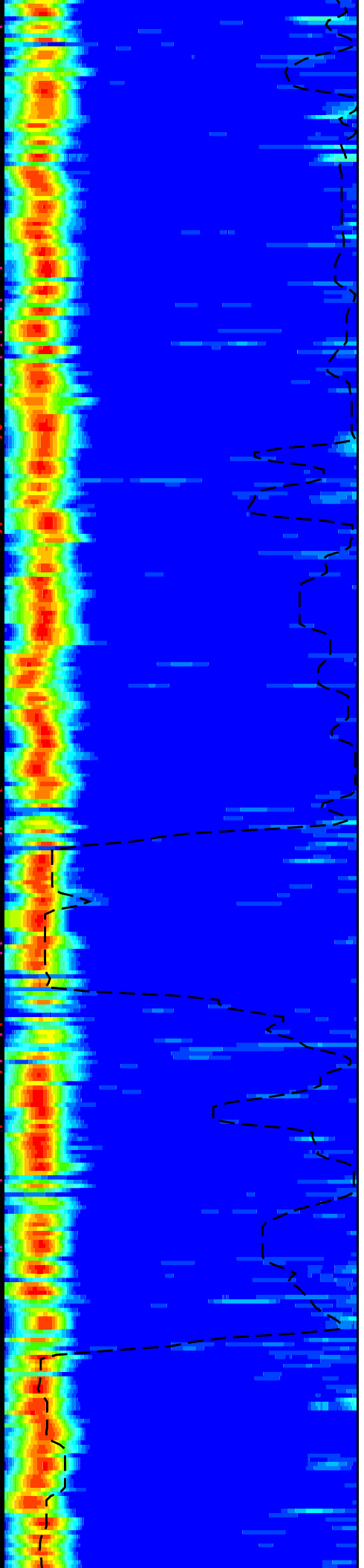
1200

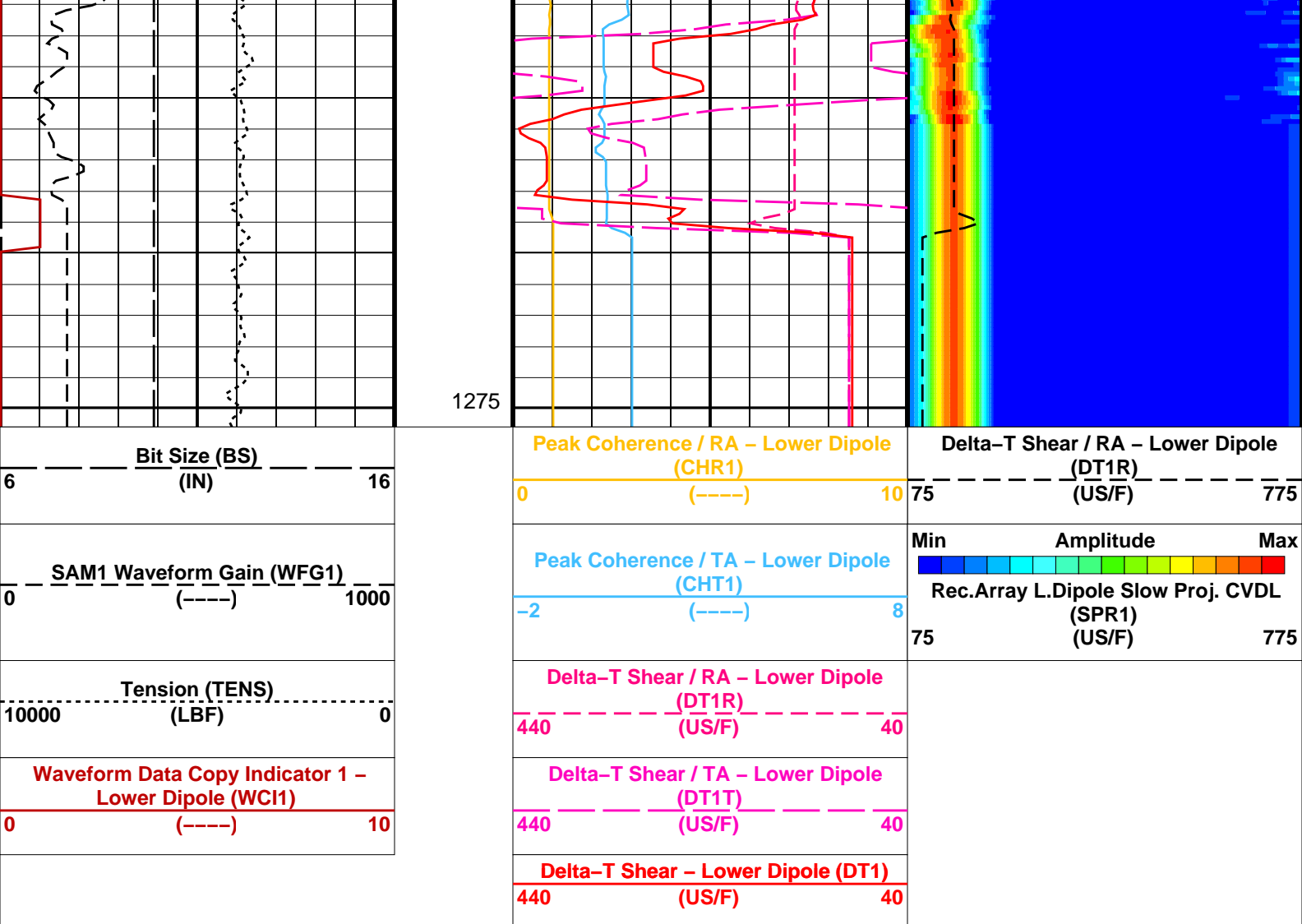




1225

1250





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	775 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
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
SLI1	STC Slowness Lower Limit - Lower Dipole	75 US/F

SSST1	STC Slowness Lower Limit – Lower Dipole	75	US/F
SSW1	STC Source Waveform – Lower Dipole	4	US/F
SUL1	STC Slowness Step – Lower Dipole	WF_SAM1	
SWD1	STC Slowness Upper Limit – Lower Dipole	775	US/F
TBF1	STC Slowness Width – Lower Dipole	40	US/F
TLL1	STC Time for Baseline Fill – Lower Dipole	0	US
TST1	STC Time Lower Limit – Lower Dipole	600	US
TUL1	STC Time Step – Lower Dipole	200	US
TWD1	STC Time Upper Limit – Lower Dipole	15912.5	US
TWI1	STC Time Width – Lower Dipole	2000	US
TWSX	STC Integration Time Window – Lower Dipole	1600	US
WFM1	Transmitter Waveform Select X	0	
	Waveform Mode 1	W1	
System and Miscellaneous			
BS	Bit Size	9.875	IN

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 11-Jan-2024 19:28

OP System Version: 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	DSI_HRLA_LDL_NGS_011LUP	FN:10	PRODUCER 11-Jan-2024 19:28

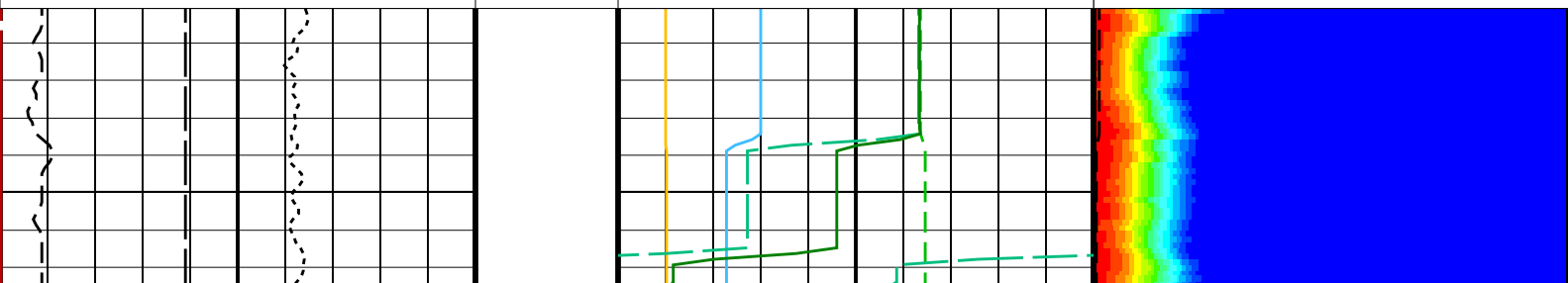
Company: International Ocean Discovery Program Well: Expedition 401, Site U1610A

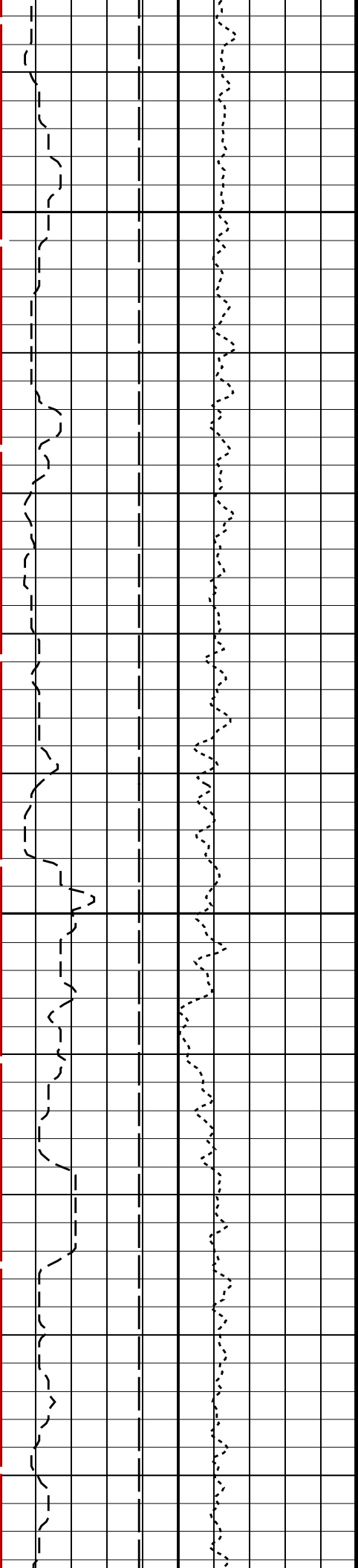
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OP System Version: 19C0-187			
DSST-B	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

PIP SUMMARY
Time Mark Every 60 S

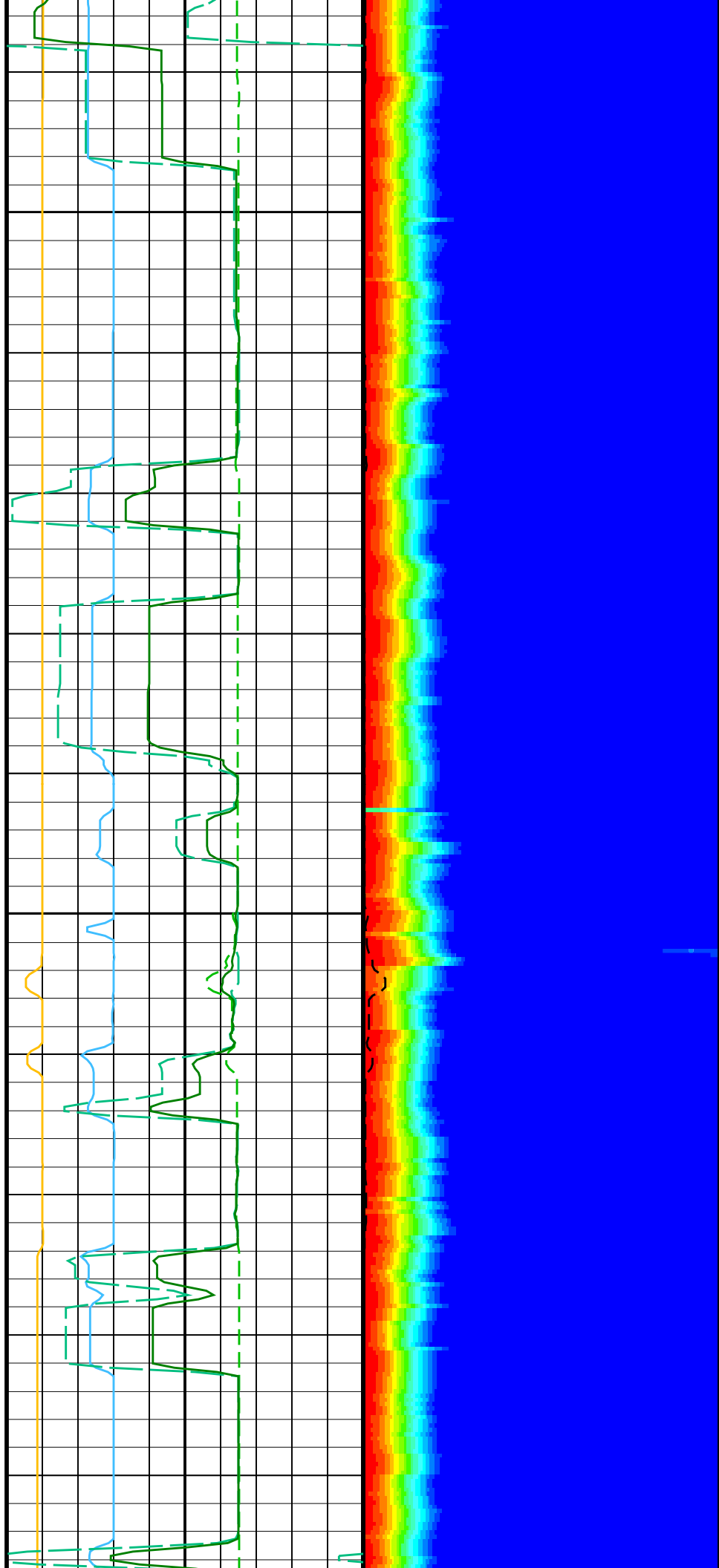
<div>Waveform Data Copy Indicator 3 – Monopole Stoneley (WCI3)</div> <div>0 (----) 10</div> <div>Tension (TENS)</div> <div>10000 (LBF) 0</div> <div>SAM3 Waveform Gain (WFG3)</div> <div>0 (----) 1000</div> <div>Bit Size (BS)</div> <div>6 (IN) 16</div>	<div>Delta-T Stoneley (DTST)</div> <div>440 (US/F) 40</div>	<div>Min Amplitude Max</div> <div></div> <div>Rec.Array Stoneley Slow Proj. CVDL (SPR3)</div> <div>180 (US/F) 780</div>
	<div>Delta-T Stoneley / TA (DT3T)</div> <div>440 (US/F) 40</div>	
	<div>Delta-T Stoneley / RA (DT3R)</div> <div>440 (US/F) 40</div>	
	<div>Peak Coherence / TA – Stoneley (CHT3)</div> <div>-2 (----) 8</div>	
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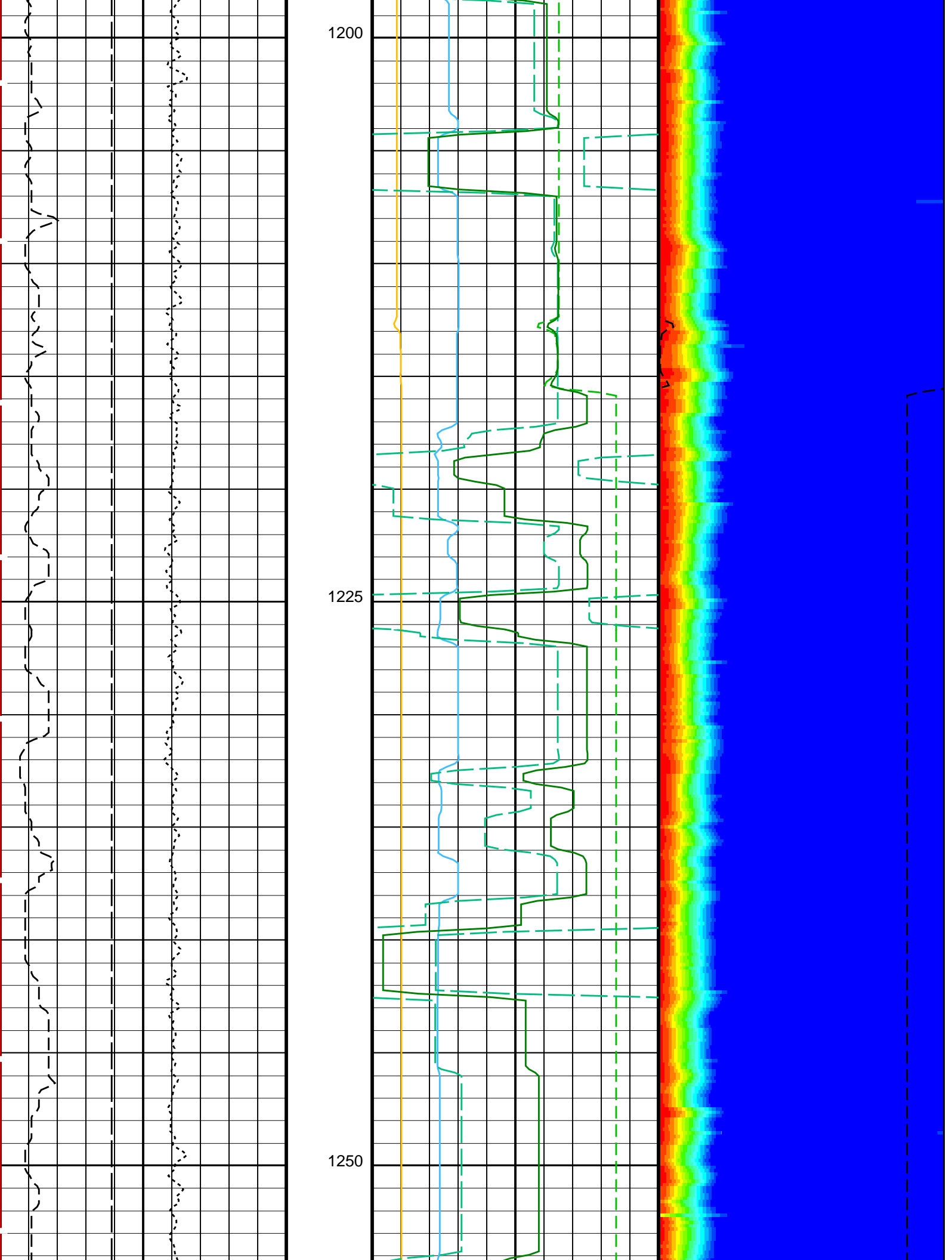


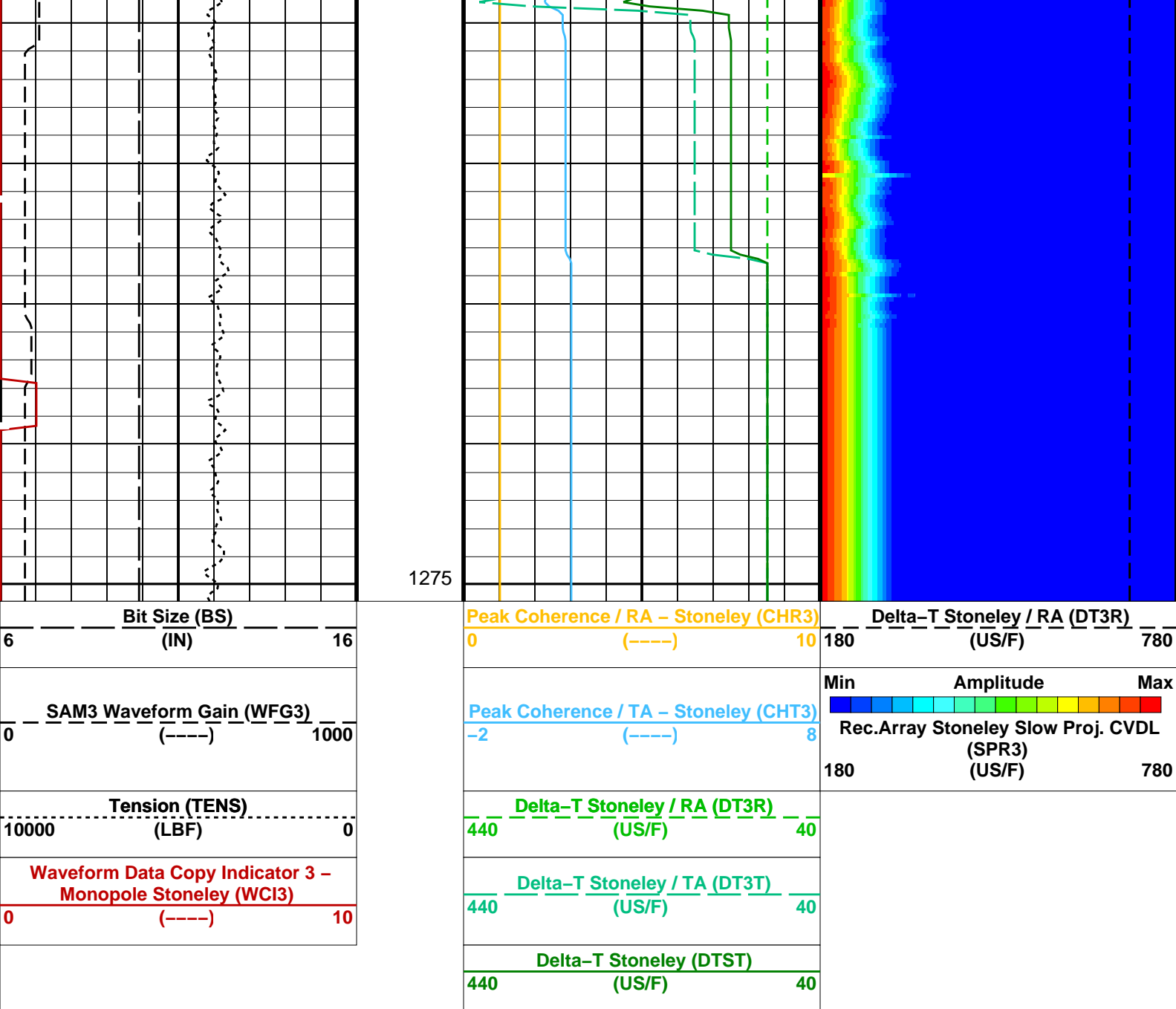


1150

1175







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		

SAS3	STC Sonic Array Status – Monopole Stoneley	255	OFF
SB03	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	9.875	IN


Format: DSST_STONELEY_VDL_COLOR

Vertical Scale: 1:200

Graphics File Created: 11–Jan–2024 19:28

OP System Version: 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	DSI_HRLA_LDL_NGS_011LUP	FN:10	PRODUCER 11–Jan–2024 19:28



Main Pass

MAXIS Field Log

Company: International Ocean Discovery Program

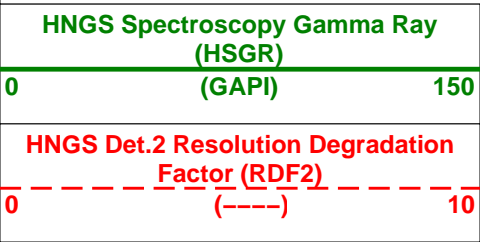
Well: Expedition 401, Site U1610A

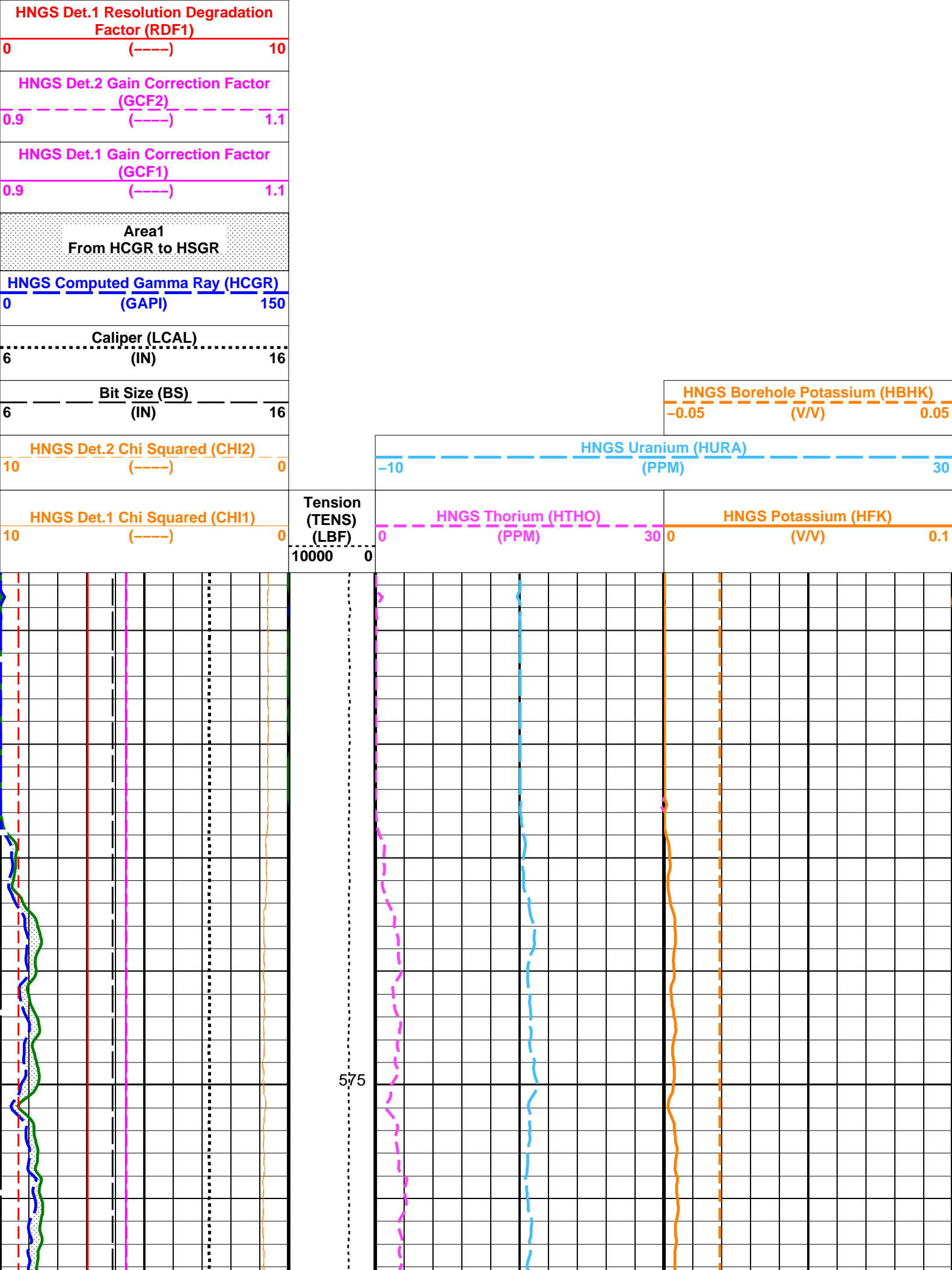
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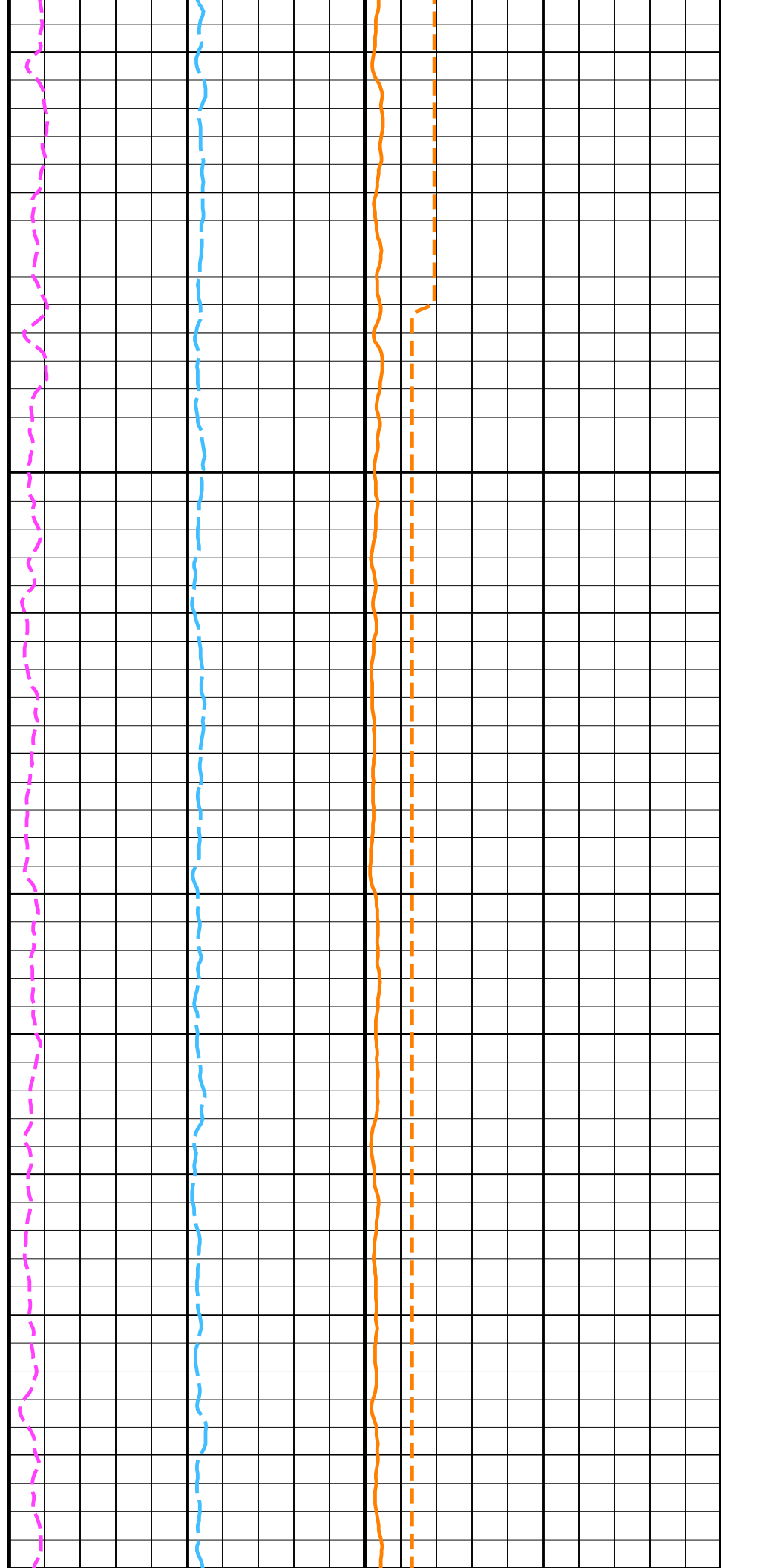
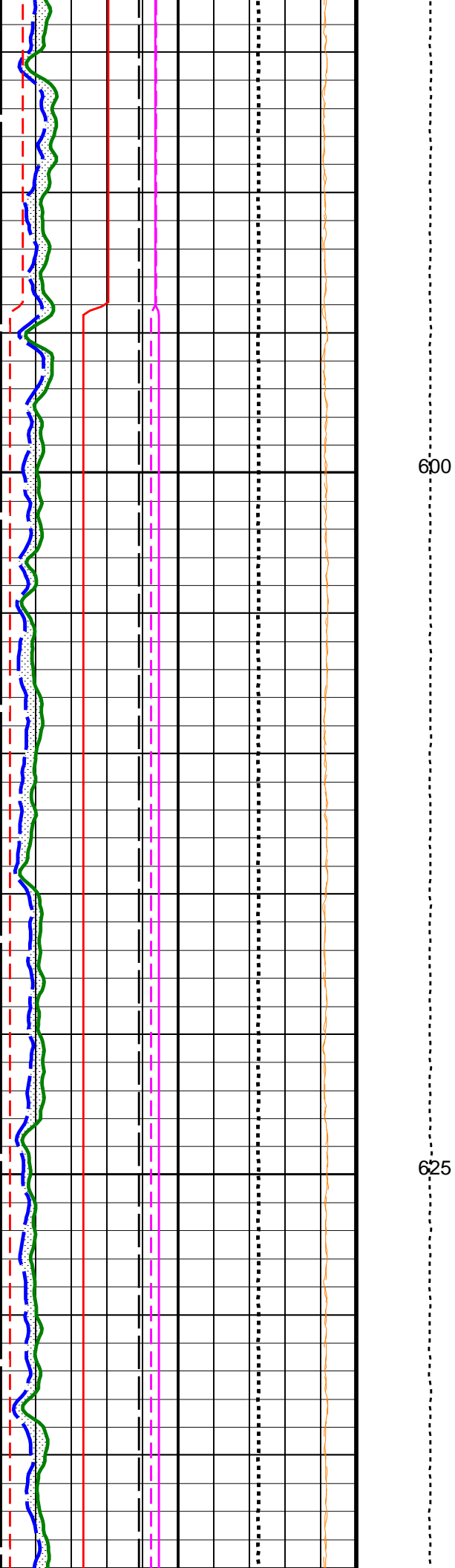
OP System Version: 19C0–187			
DSST–B	19C0–187	HRLT–B	19C0–187
HLDS	19C0–187	LDSC–B	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	19C0–187		

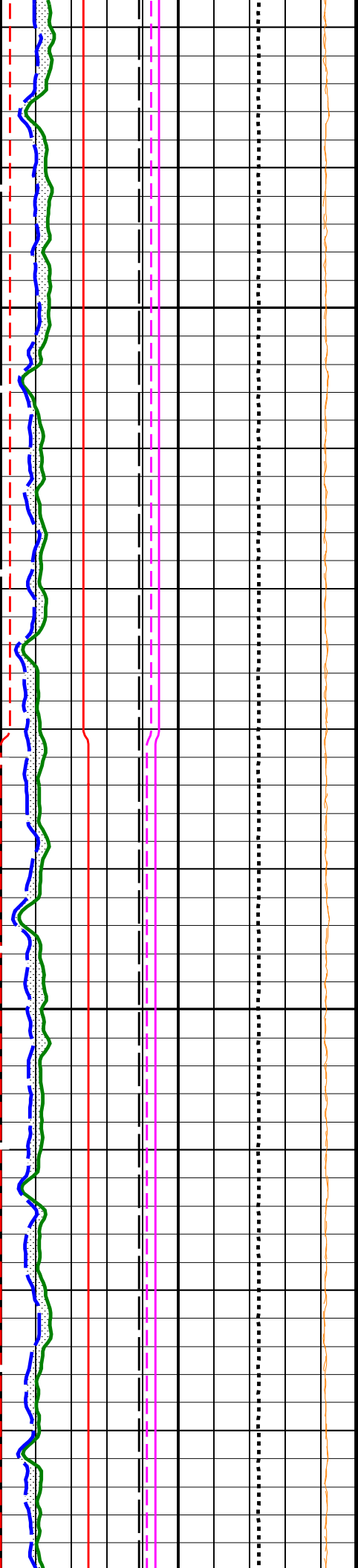
PIP SUMMARY

Time Mark Every 60 S



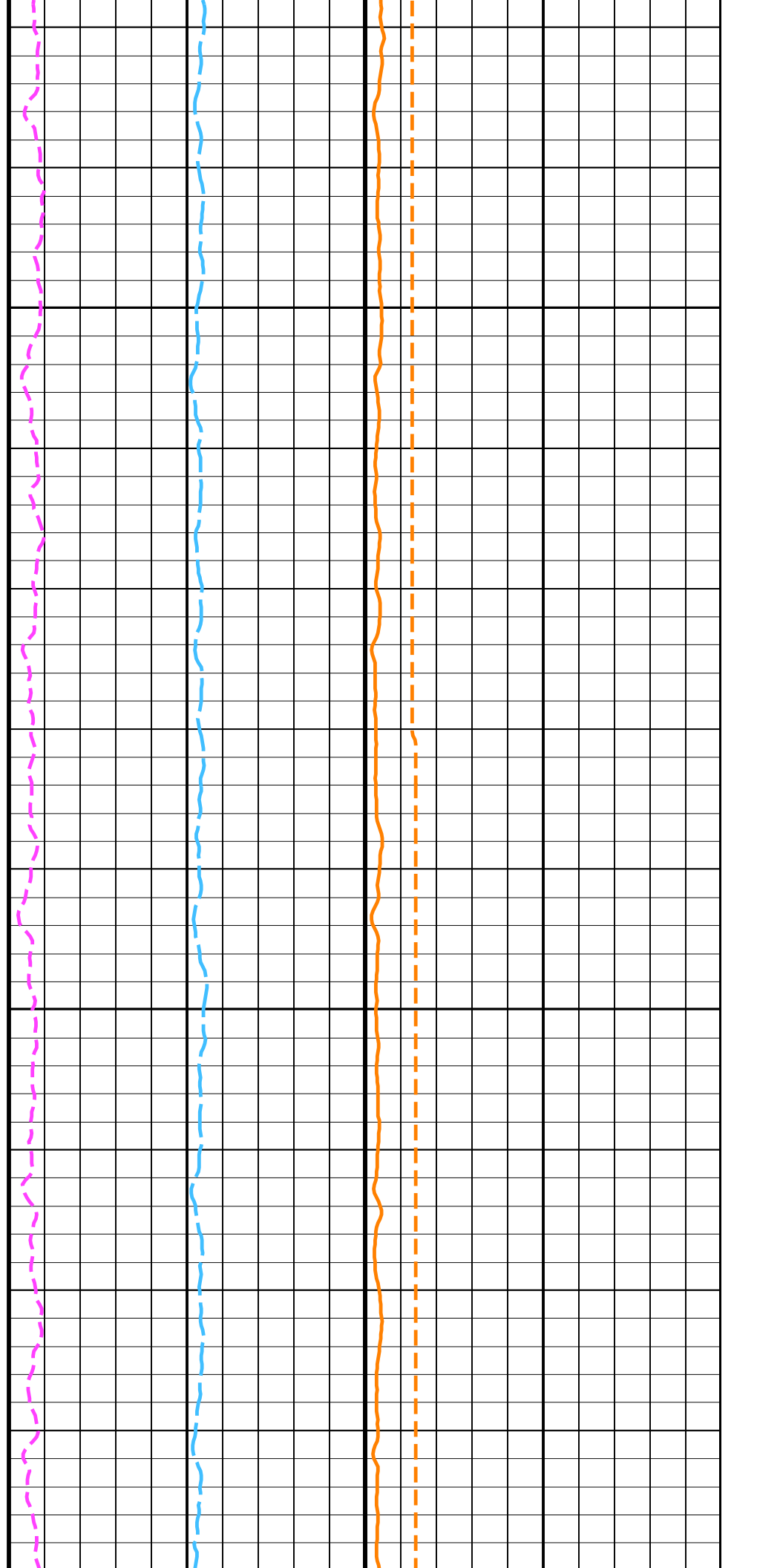


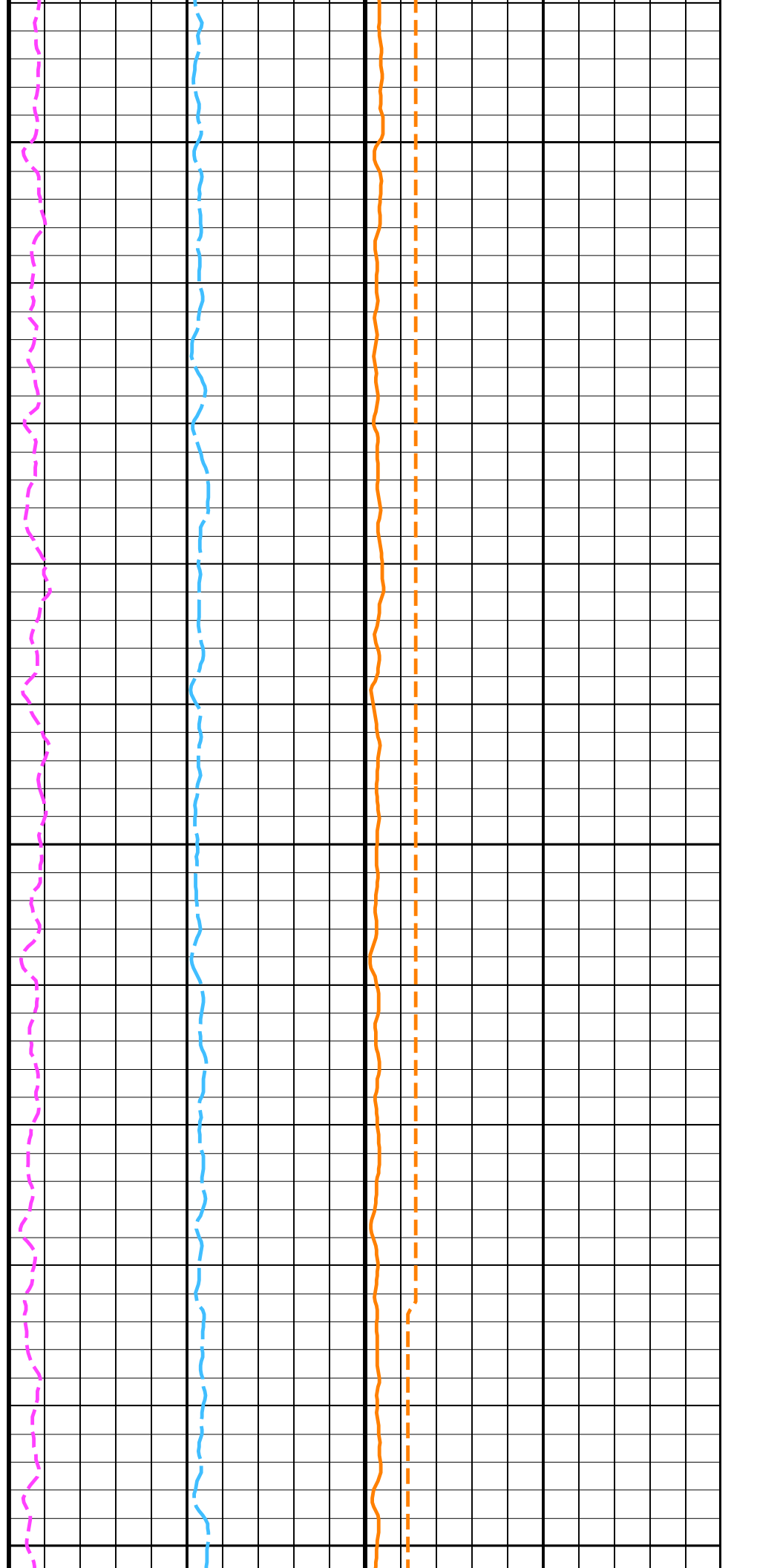
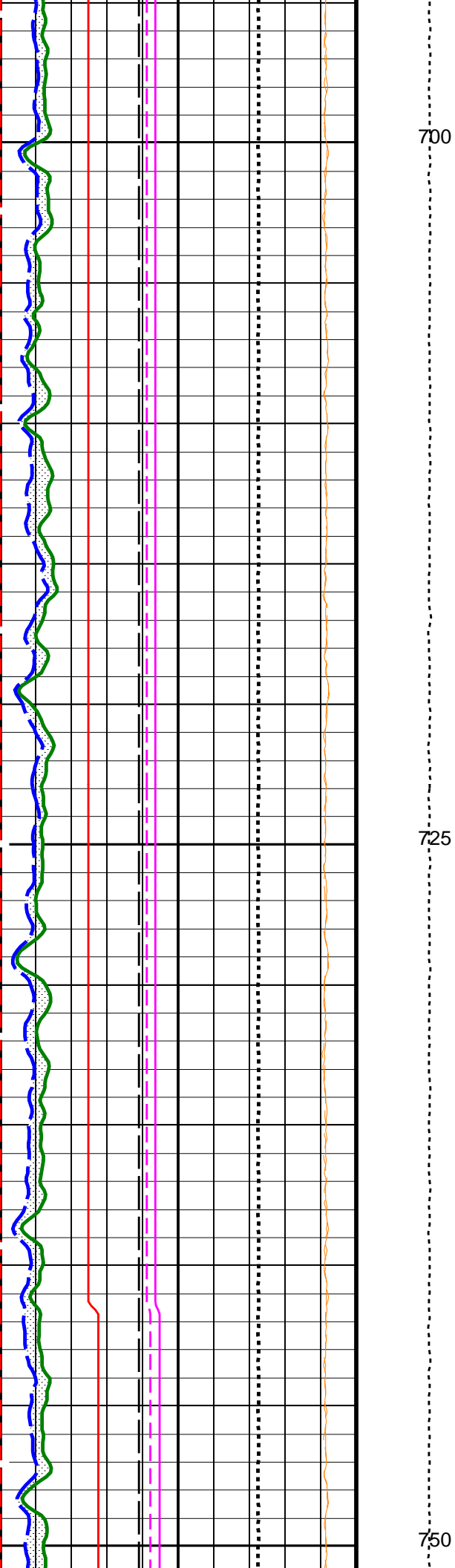


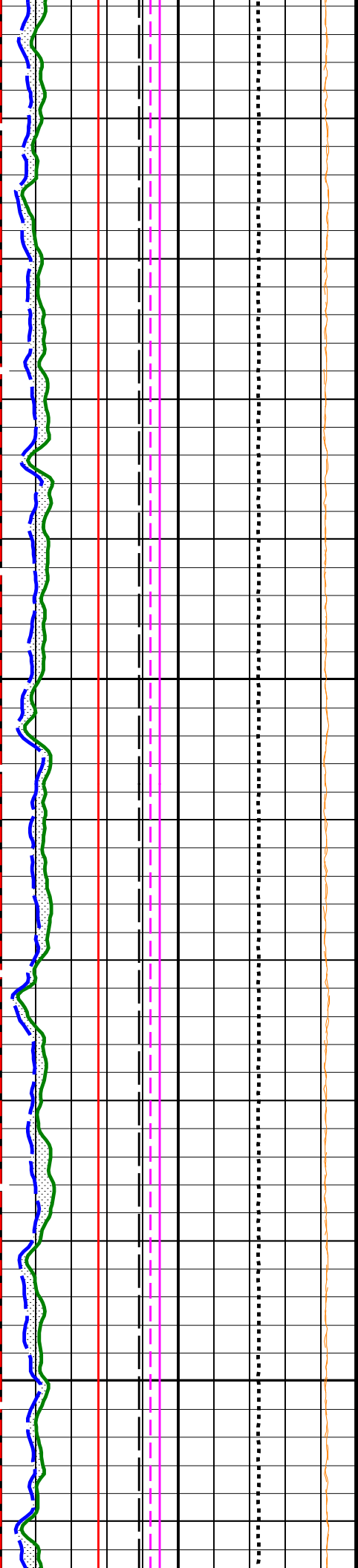


650

675

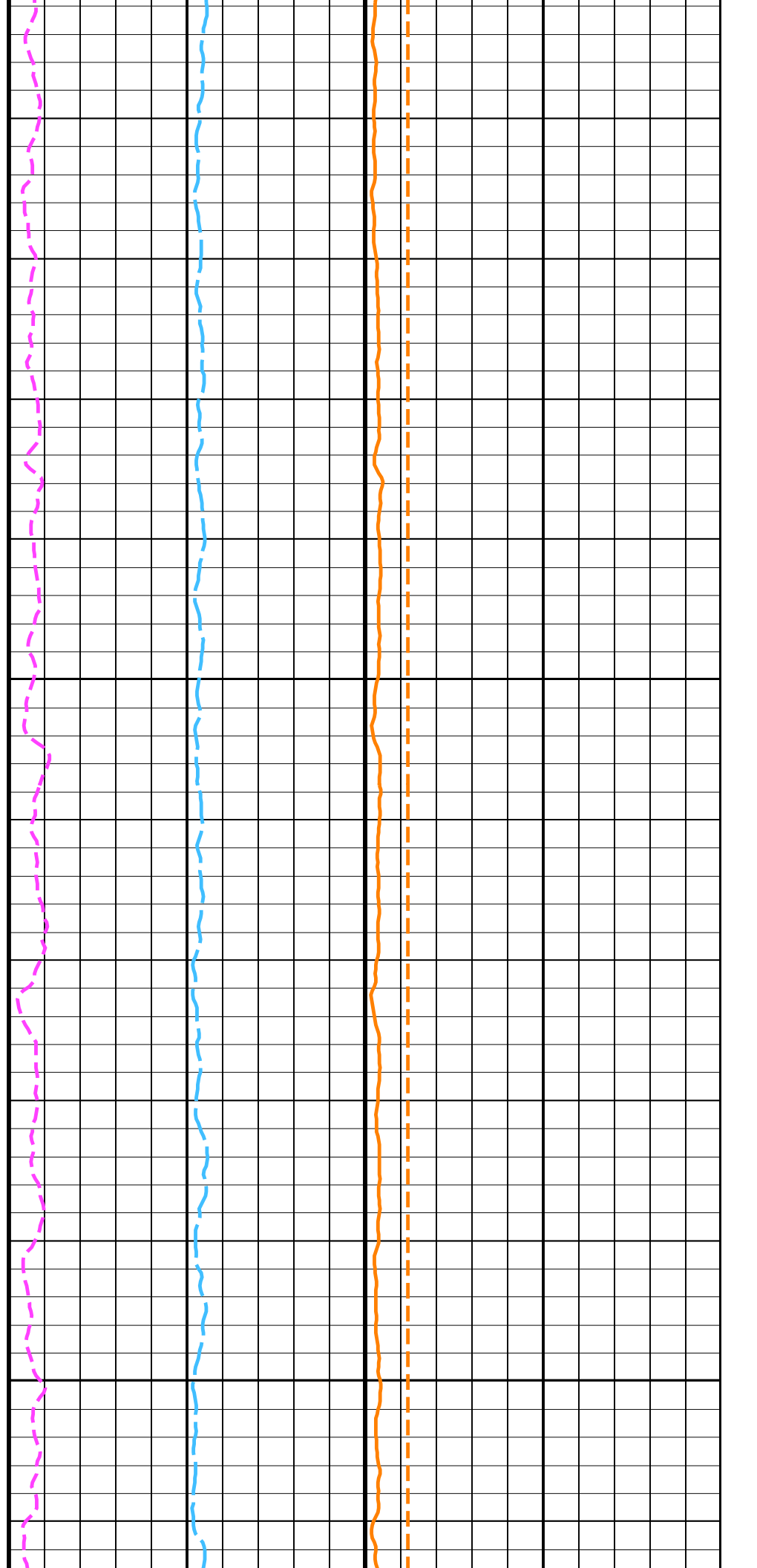


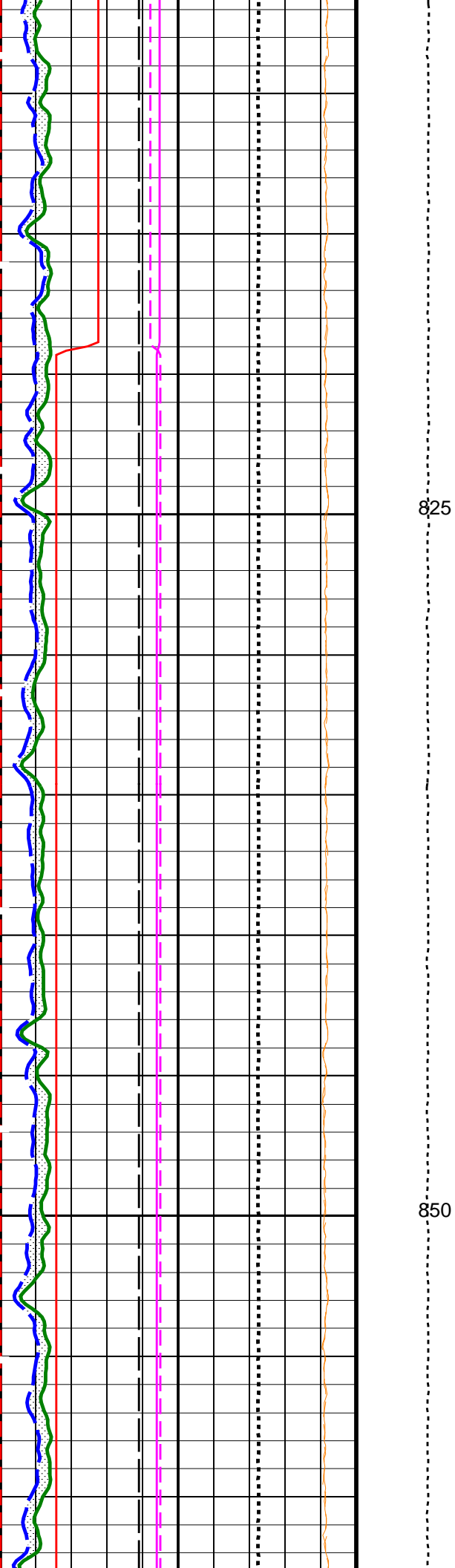




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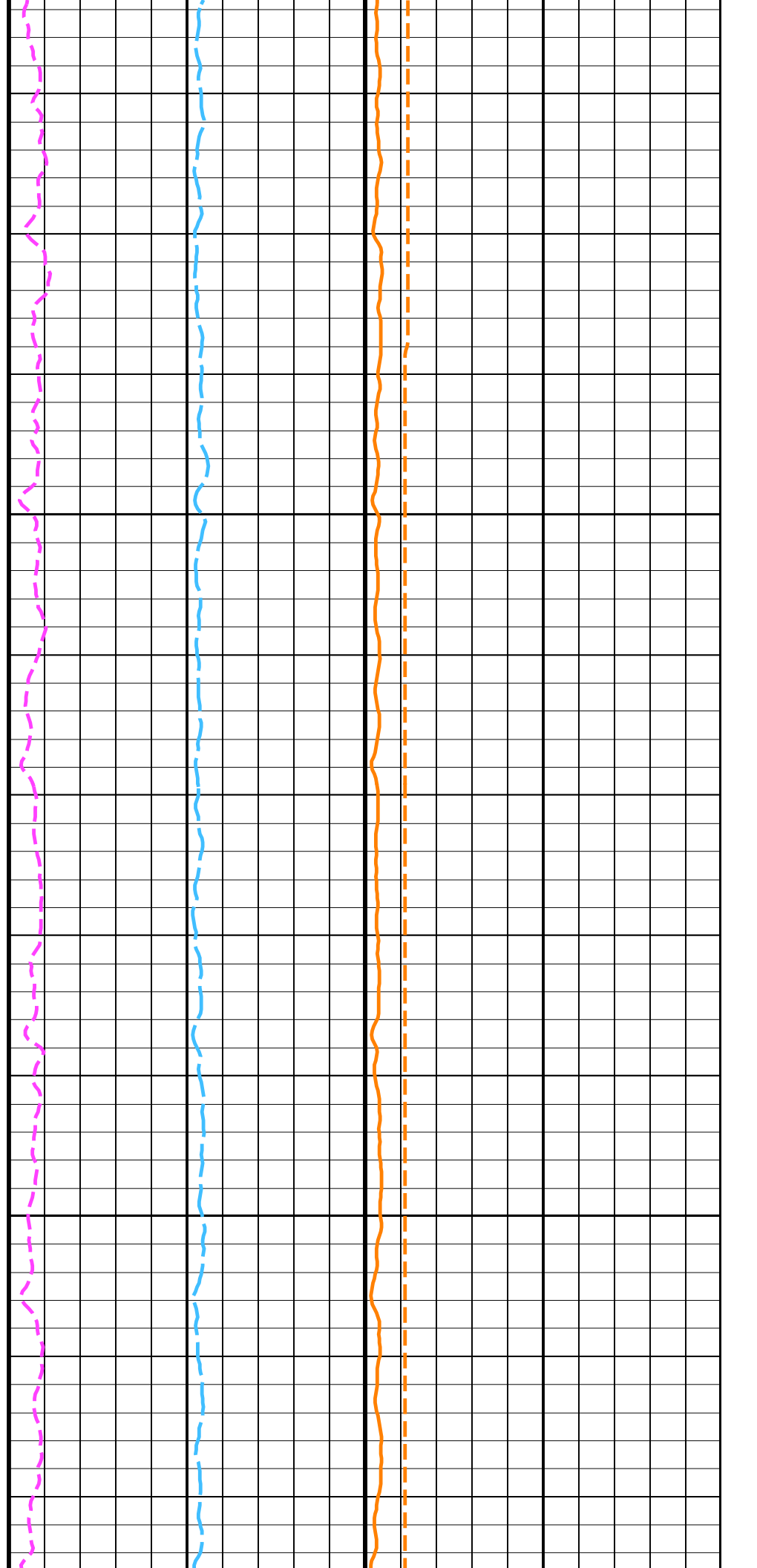
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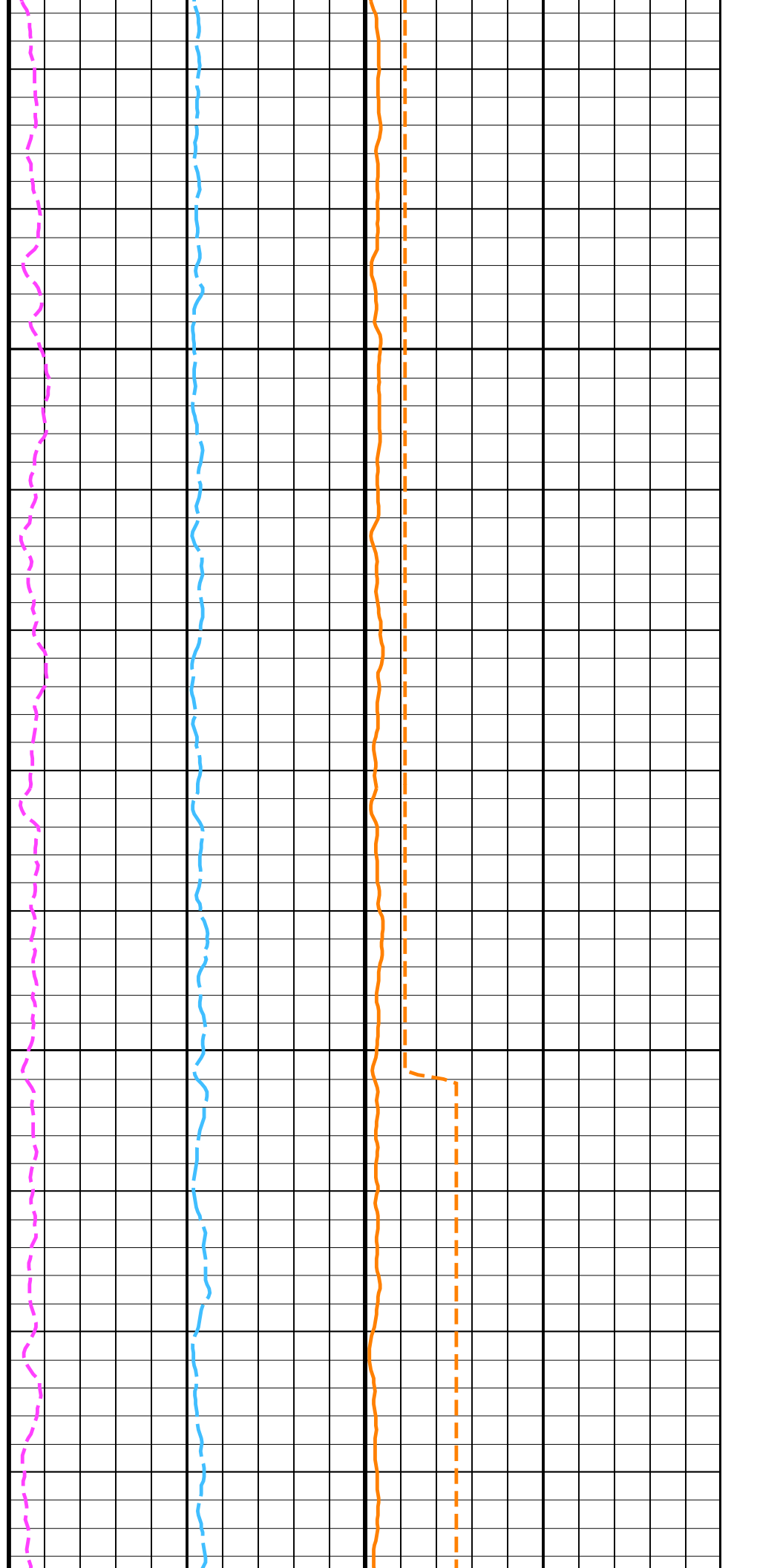
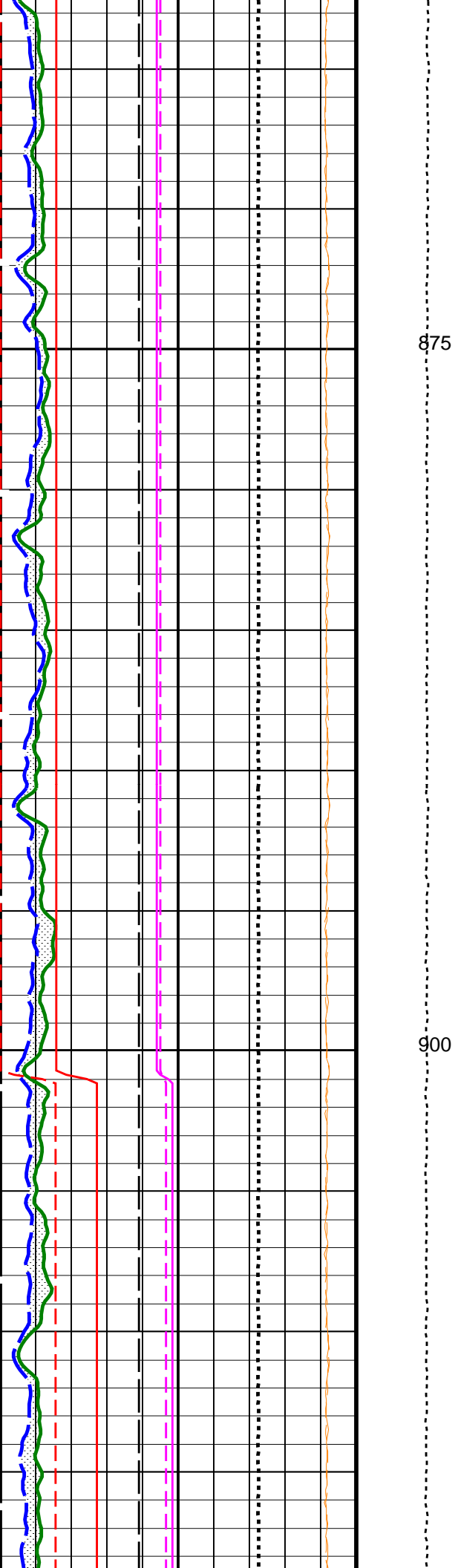


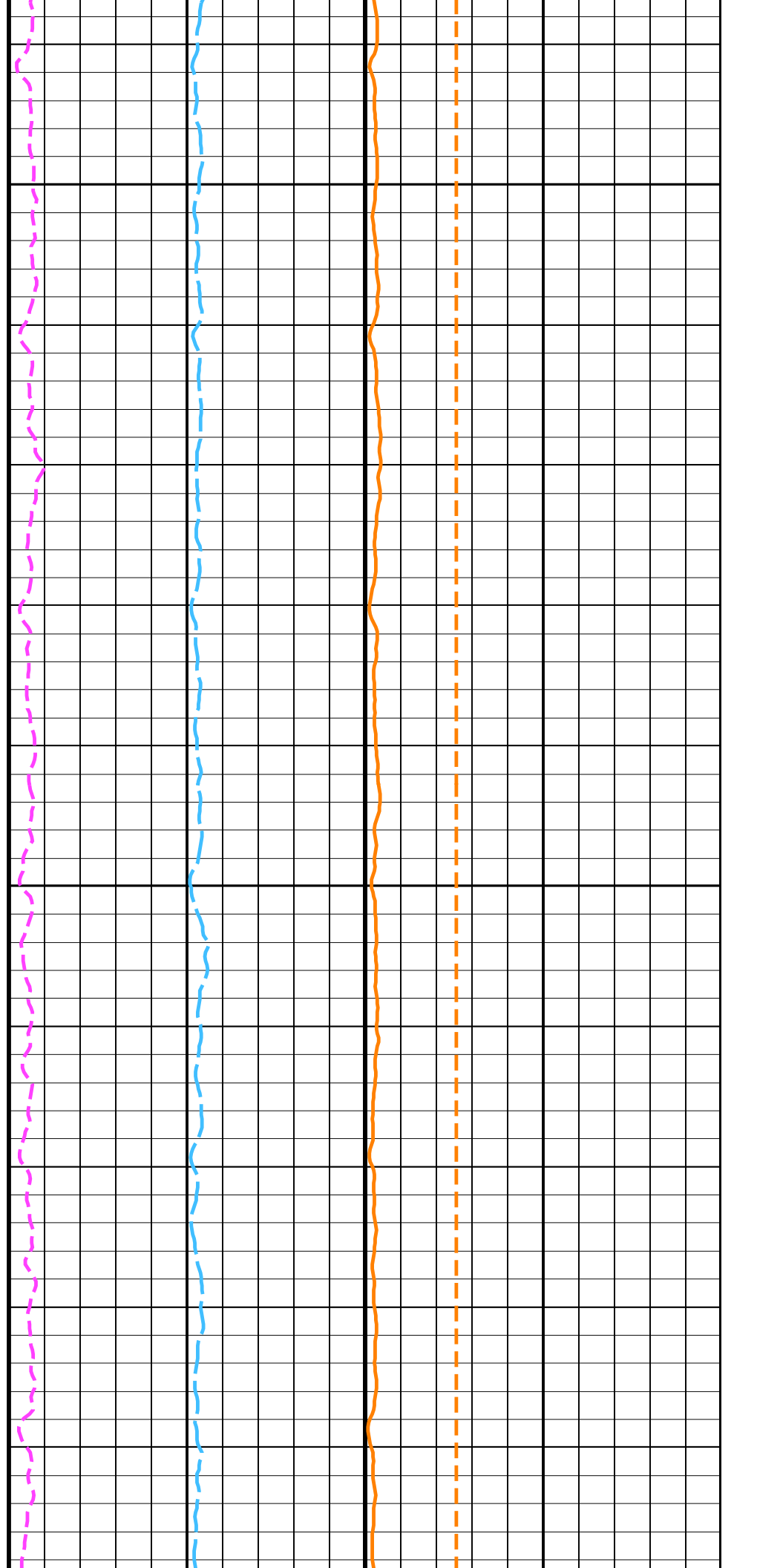
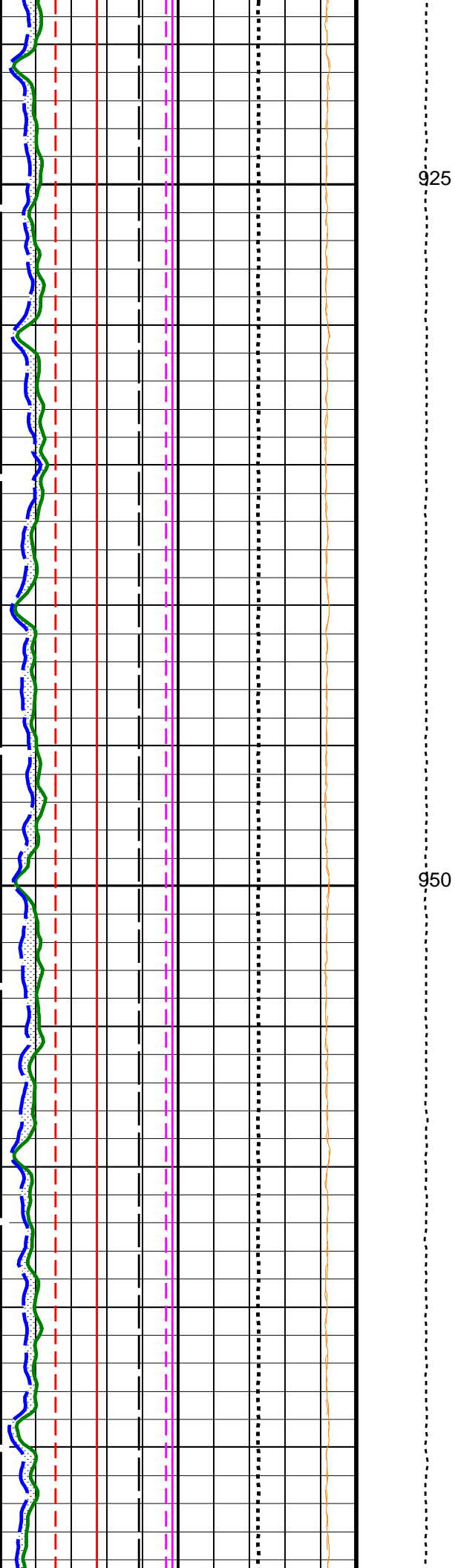


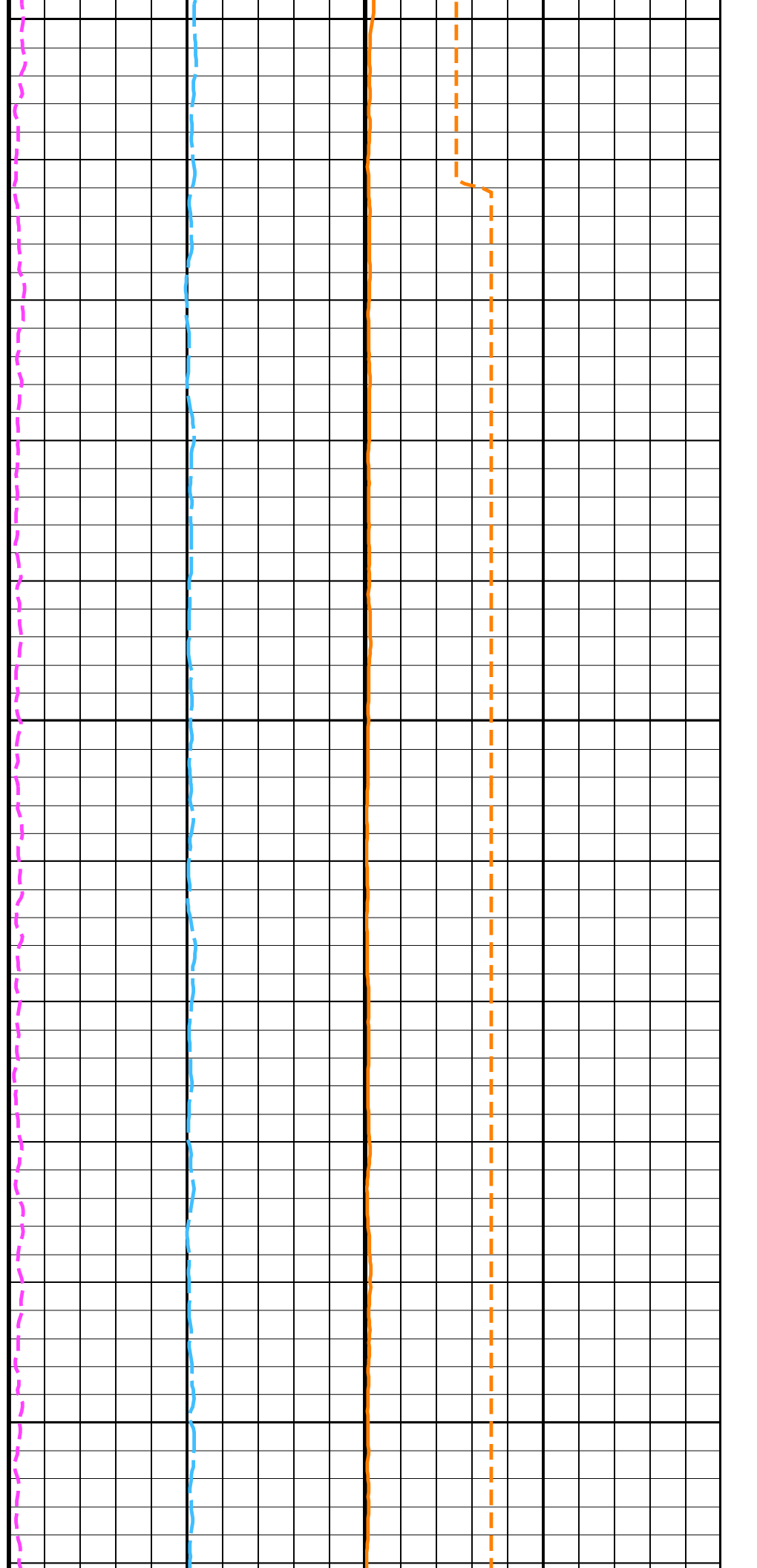
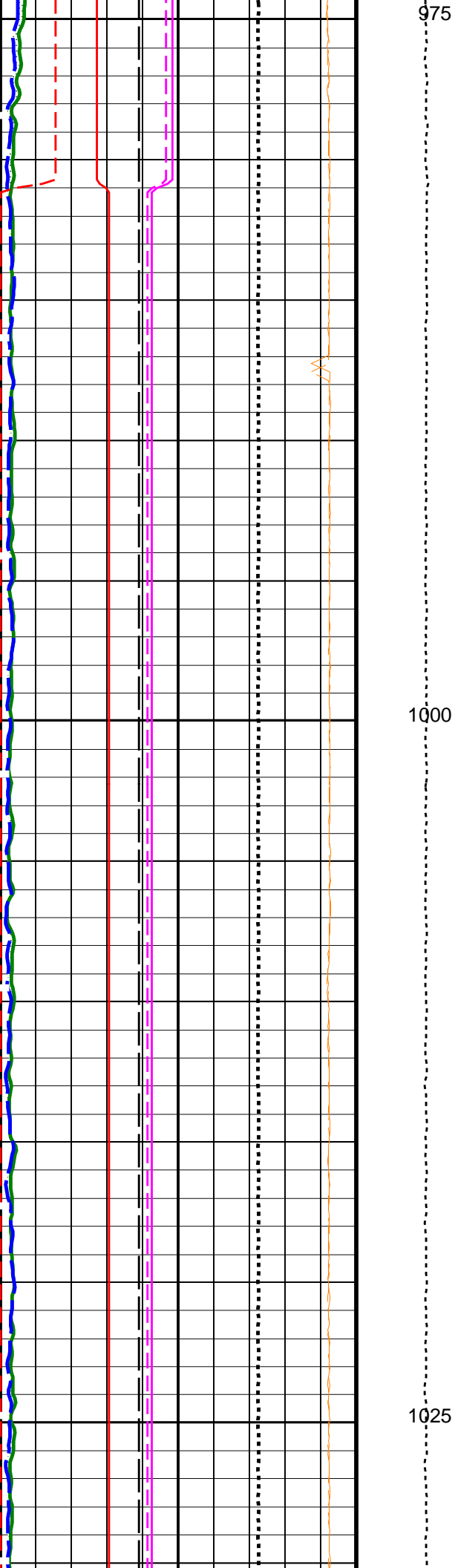
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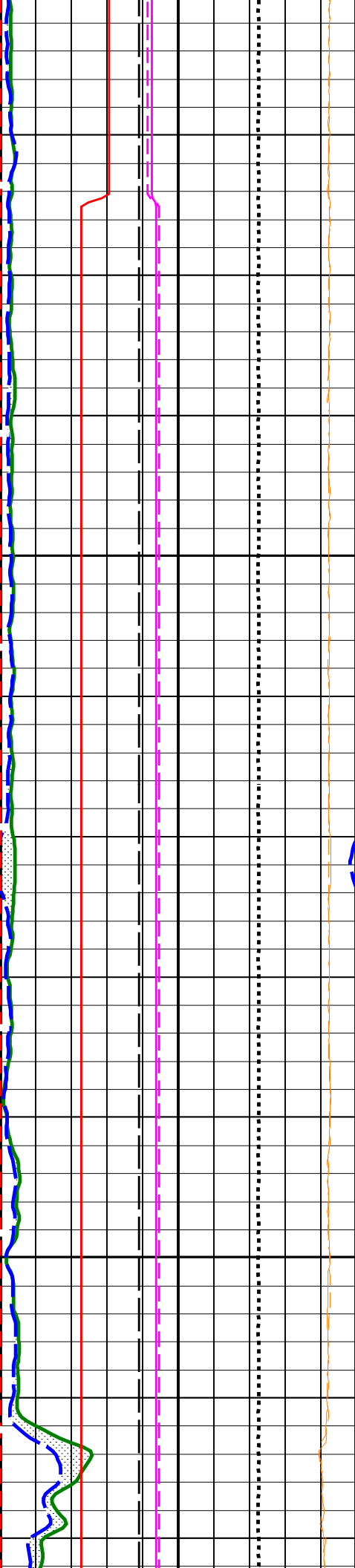
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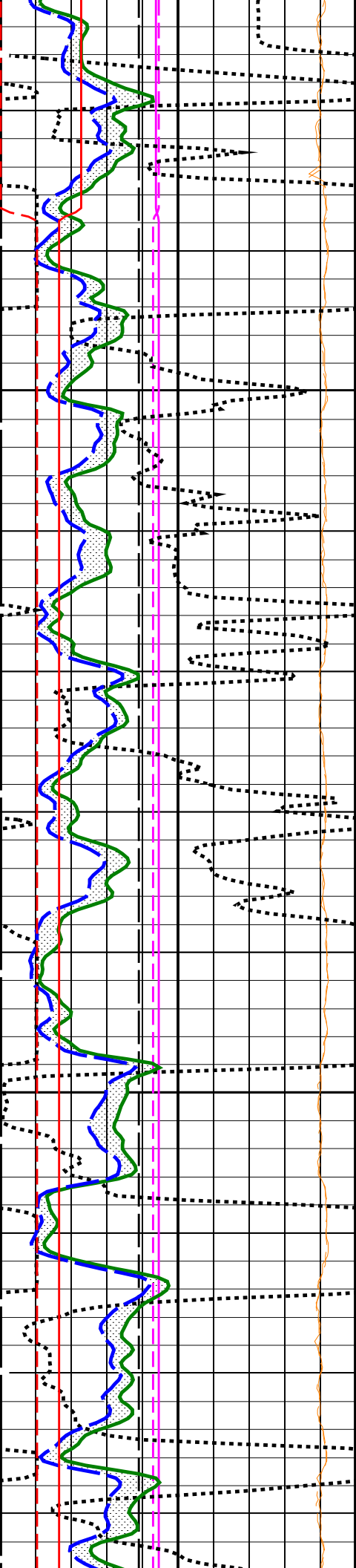




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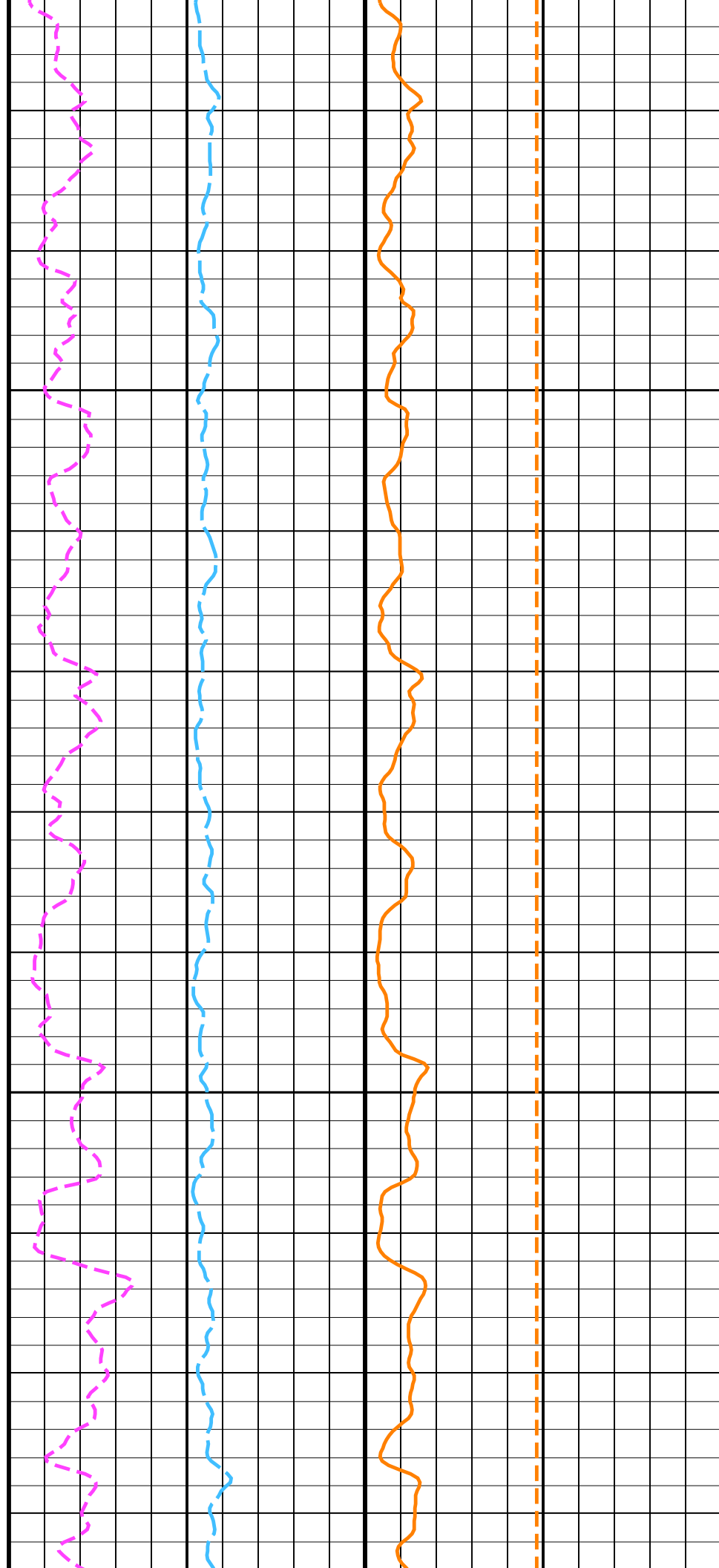
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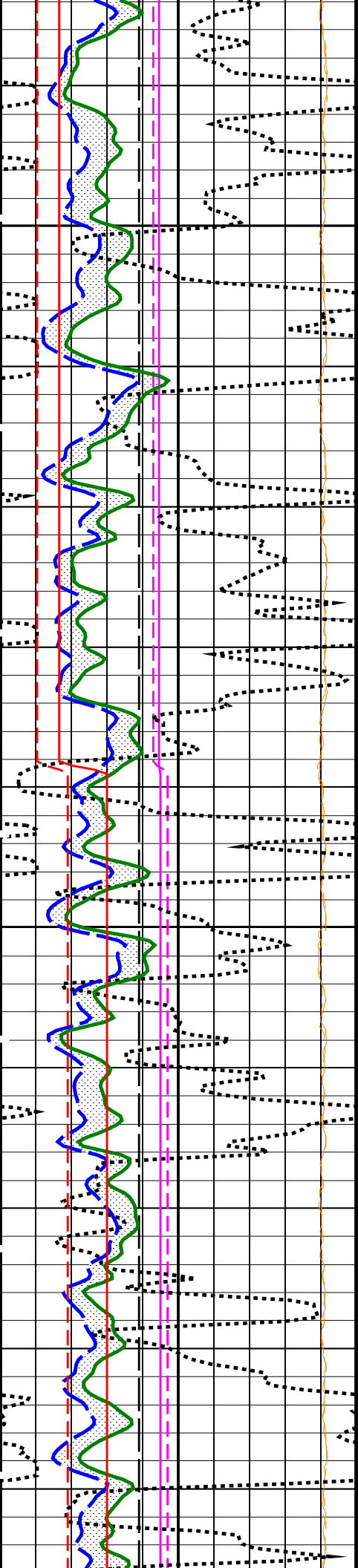




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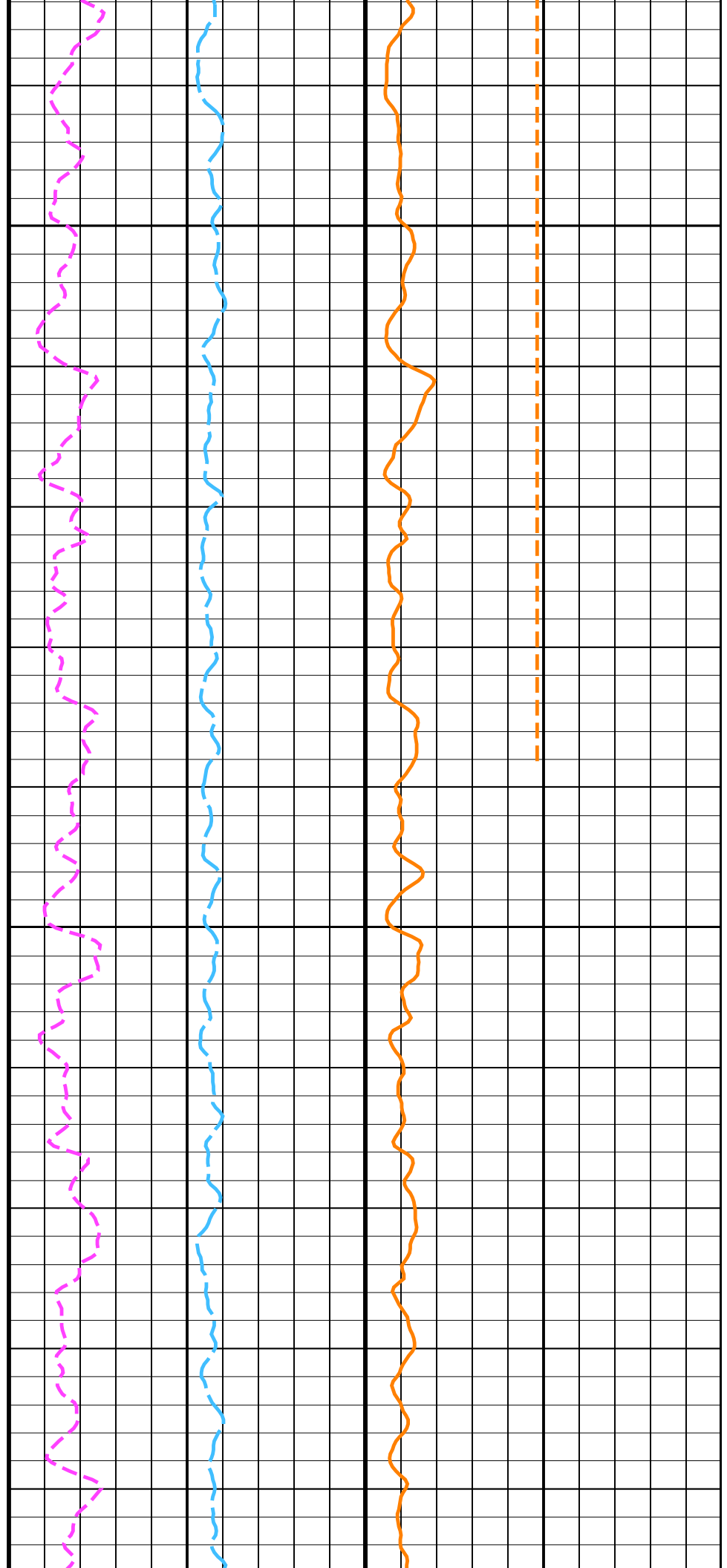
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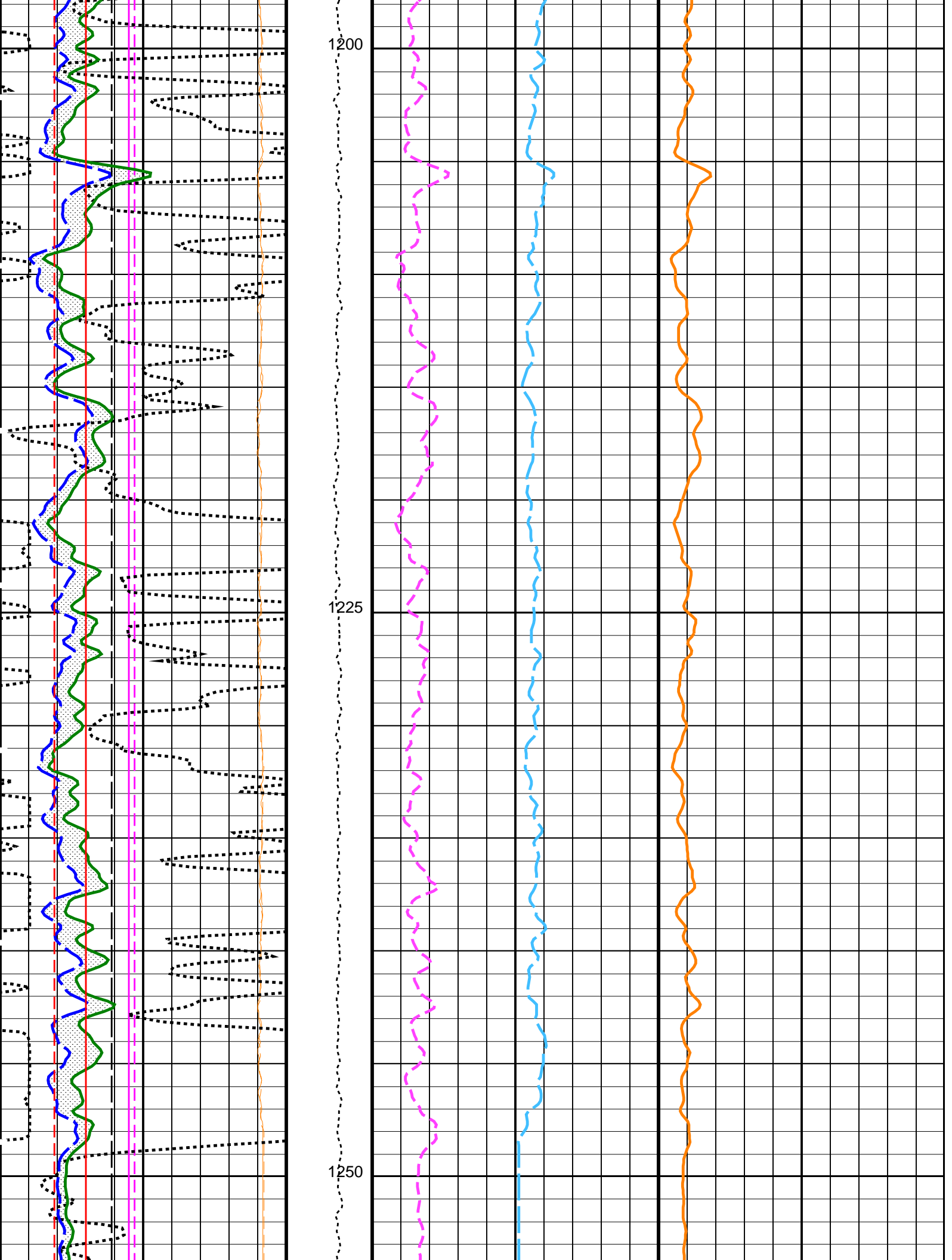


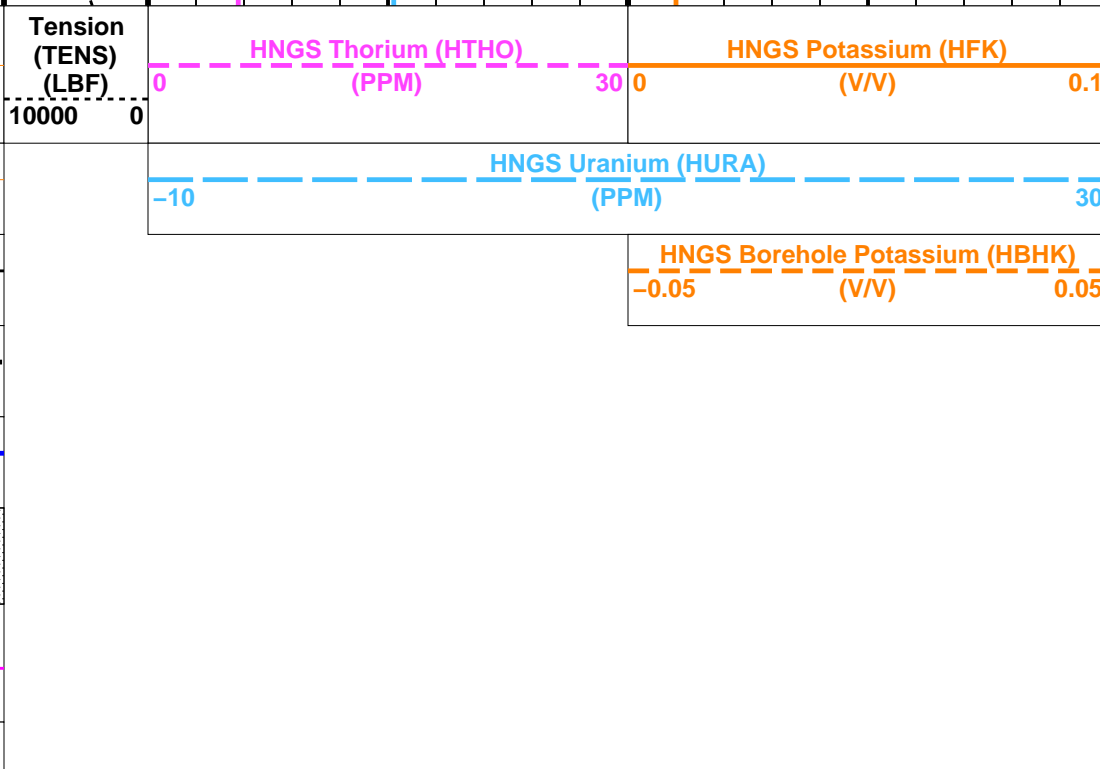
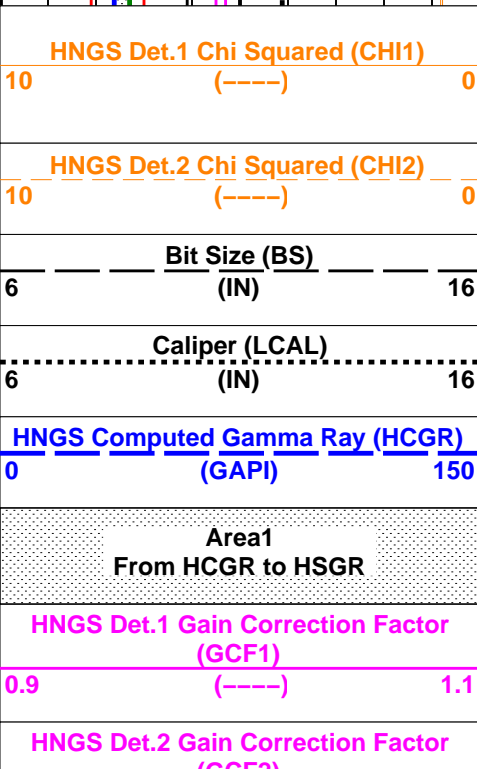


1150

1175







0.9	(GCF2) (-----)	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	-0.00156951	
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	1.03278	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.02233	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	9.00	LB/G

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 11-Jan-2024 20:07
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OP System Version: 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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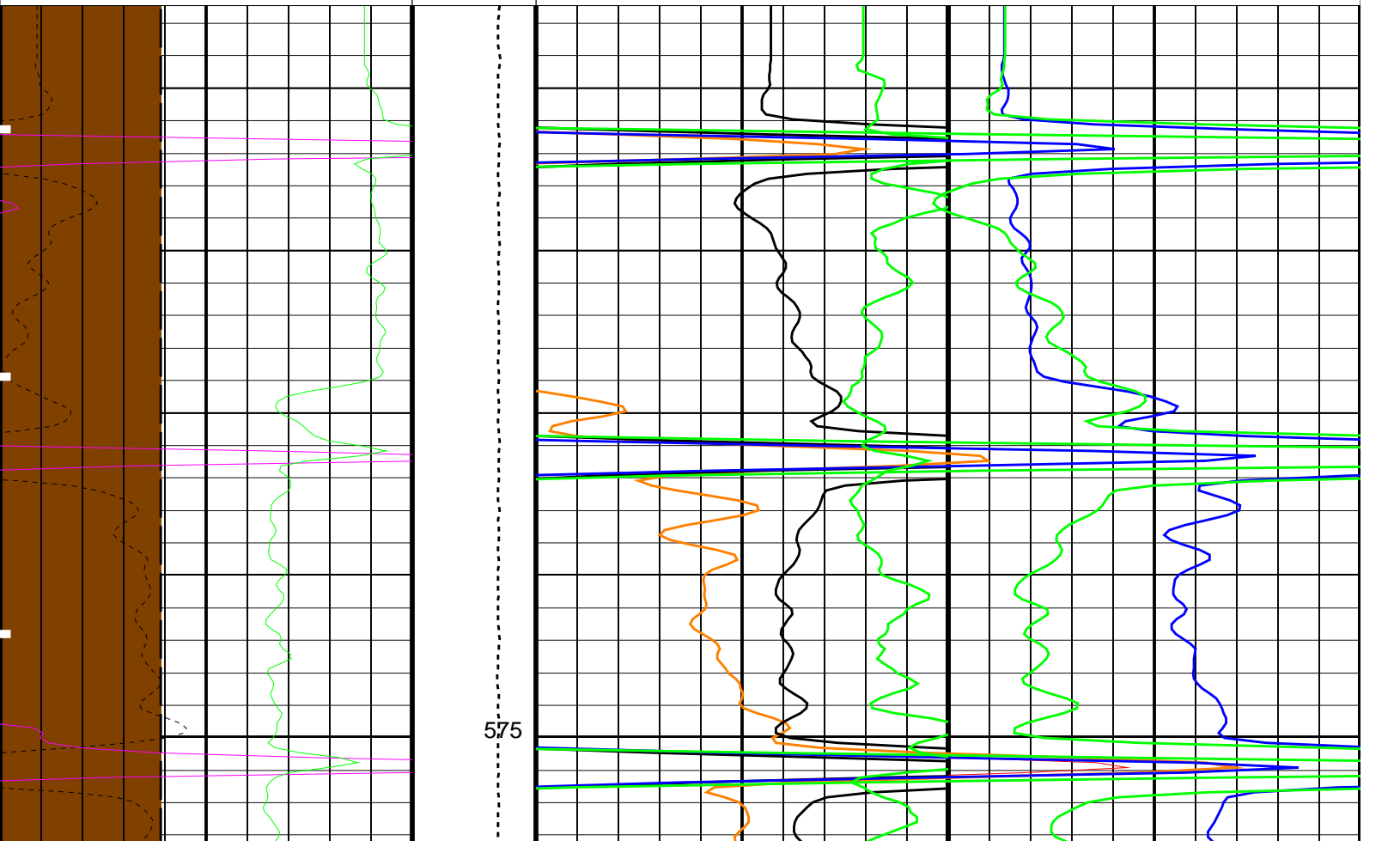
Company: International Ocean Discovery Program	Well: Expedition 401, Site U1610A
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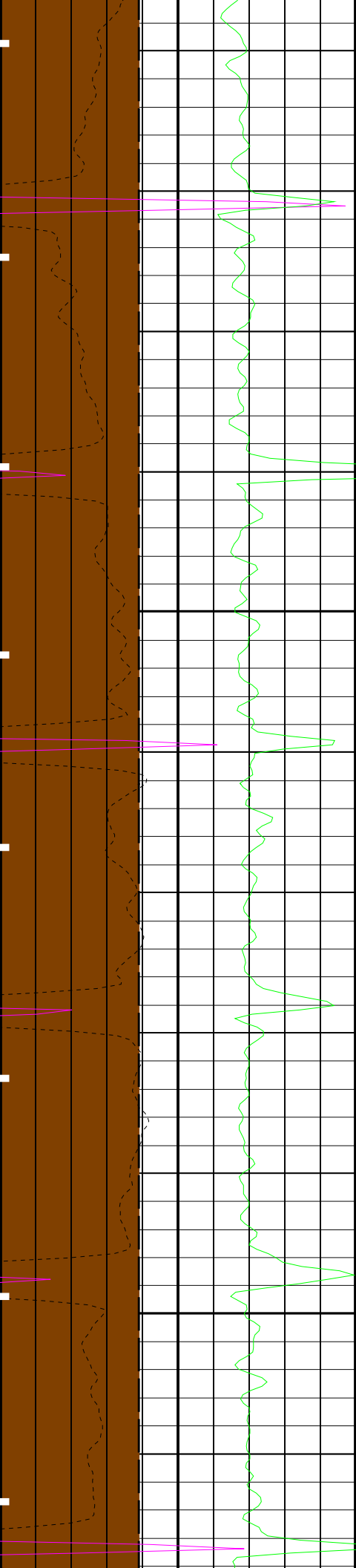
Output DLIS Files	
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PIP SUMMARY

Time Mark Every 60 S

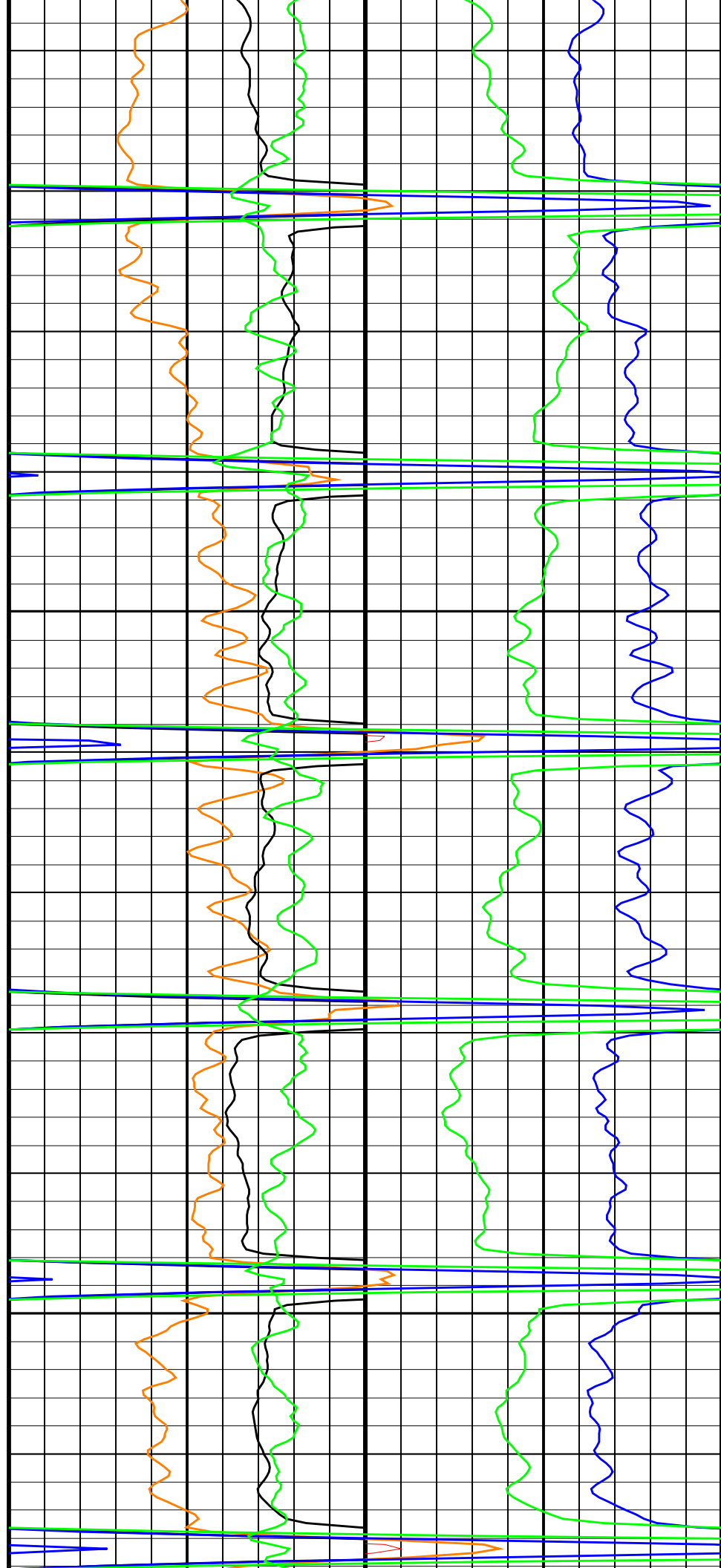
HLDS Long Spacing Quality Indicator (LQLS) -0.25 (----) 0.25		HLDS Short Spaced Bulk Density (RHS) 2 (G/C3) 3	
HLDS Short Spacing Quality Indicator (LQSS) -0.25 (----) 0.25		HLDS Long Spaced Photoelectric Effect (PEFL) 0 (----) 10	
Washout From BS to HLDS_CALIPER		HLDS Short Spaced Photoelectric Effect (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	
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Tension (TENS) (LBF) 10000 0			

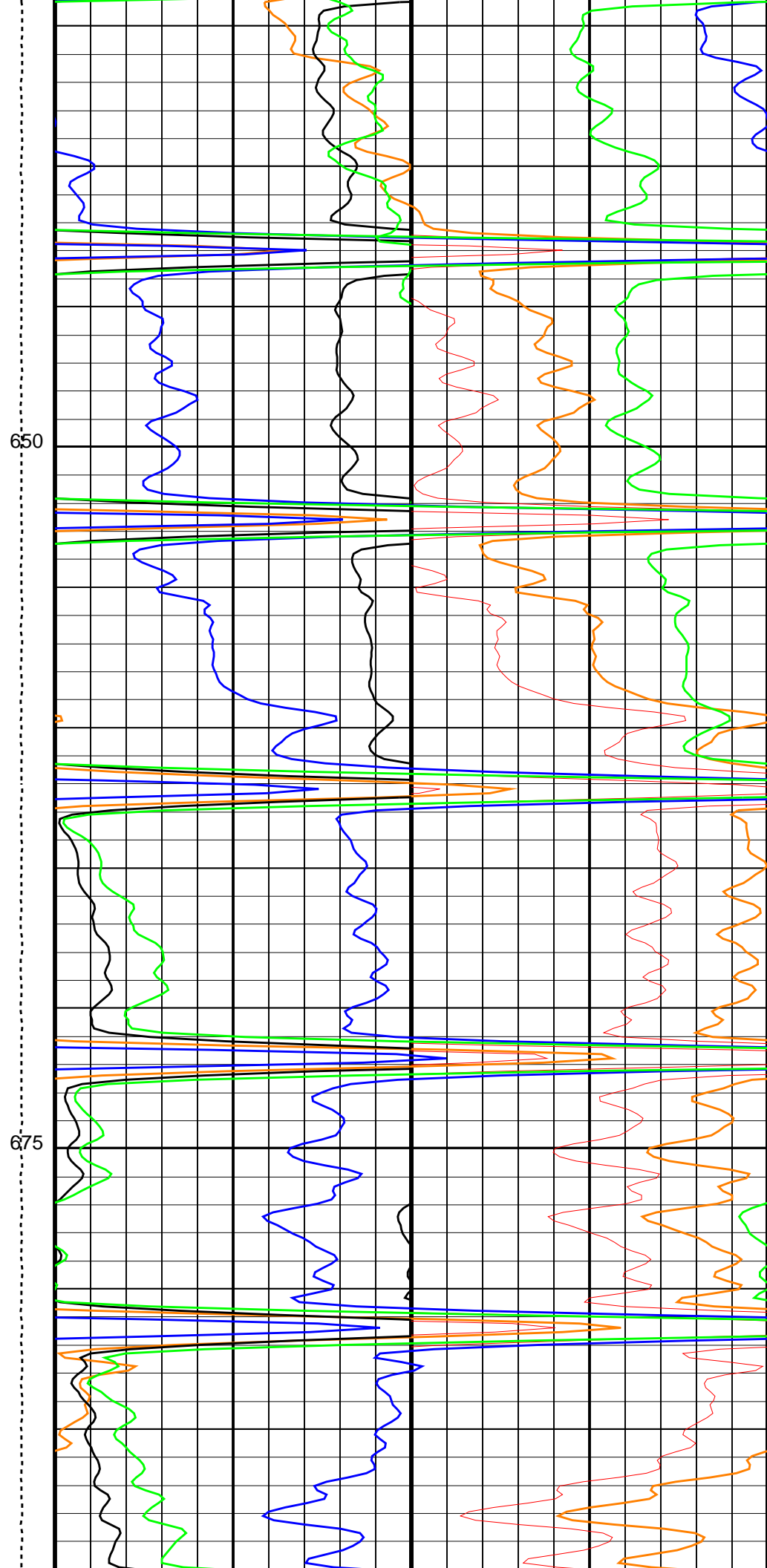
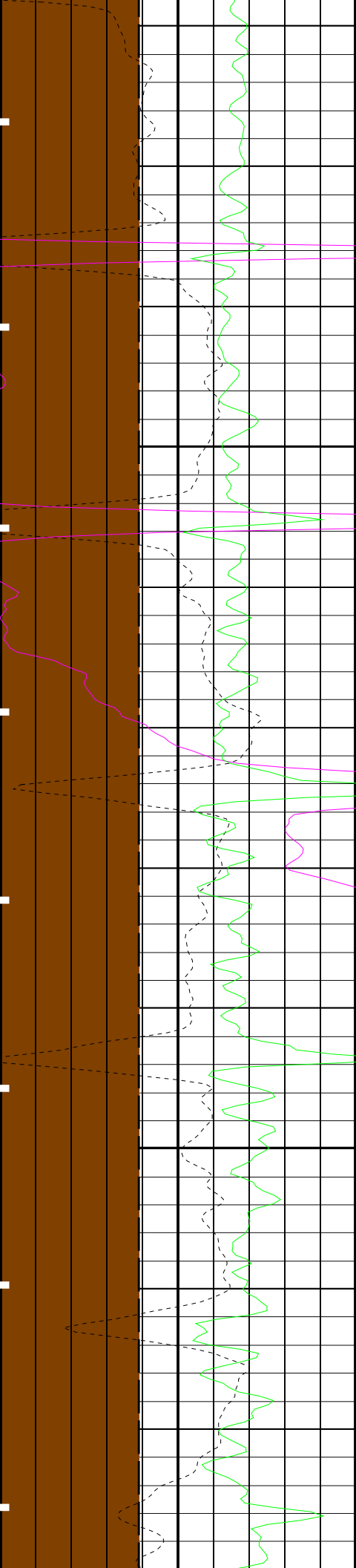


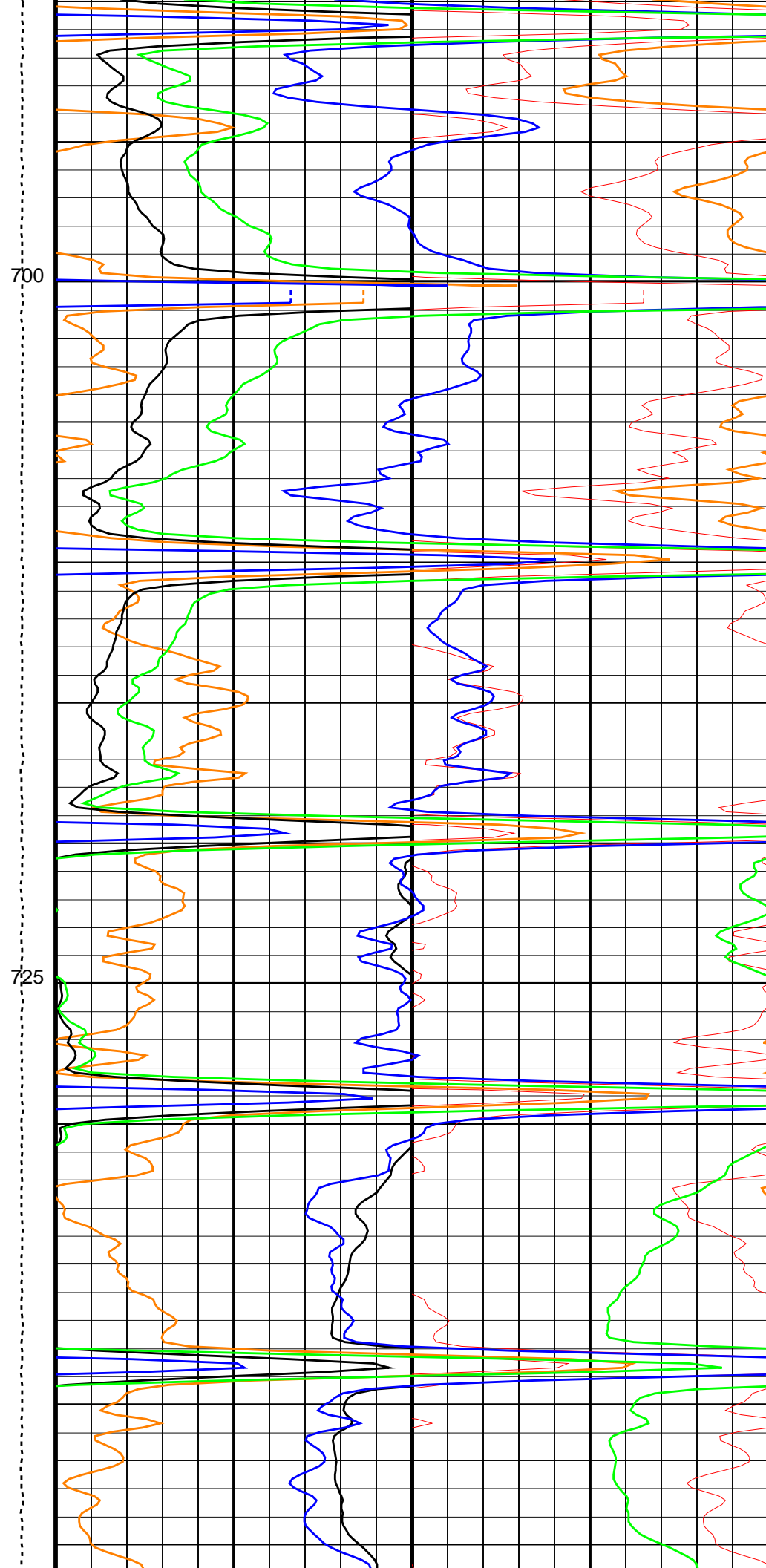
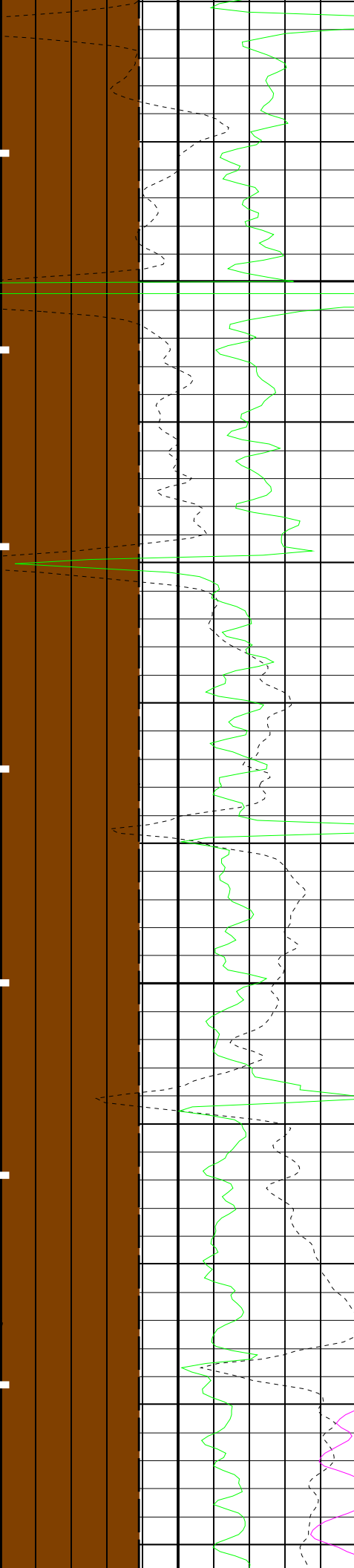


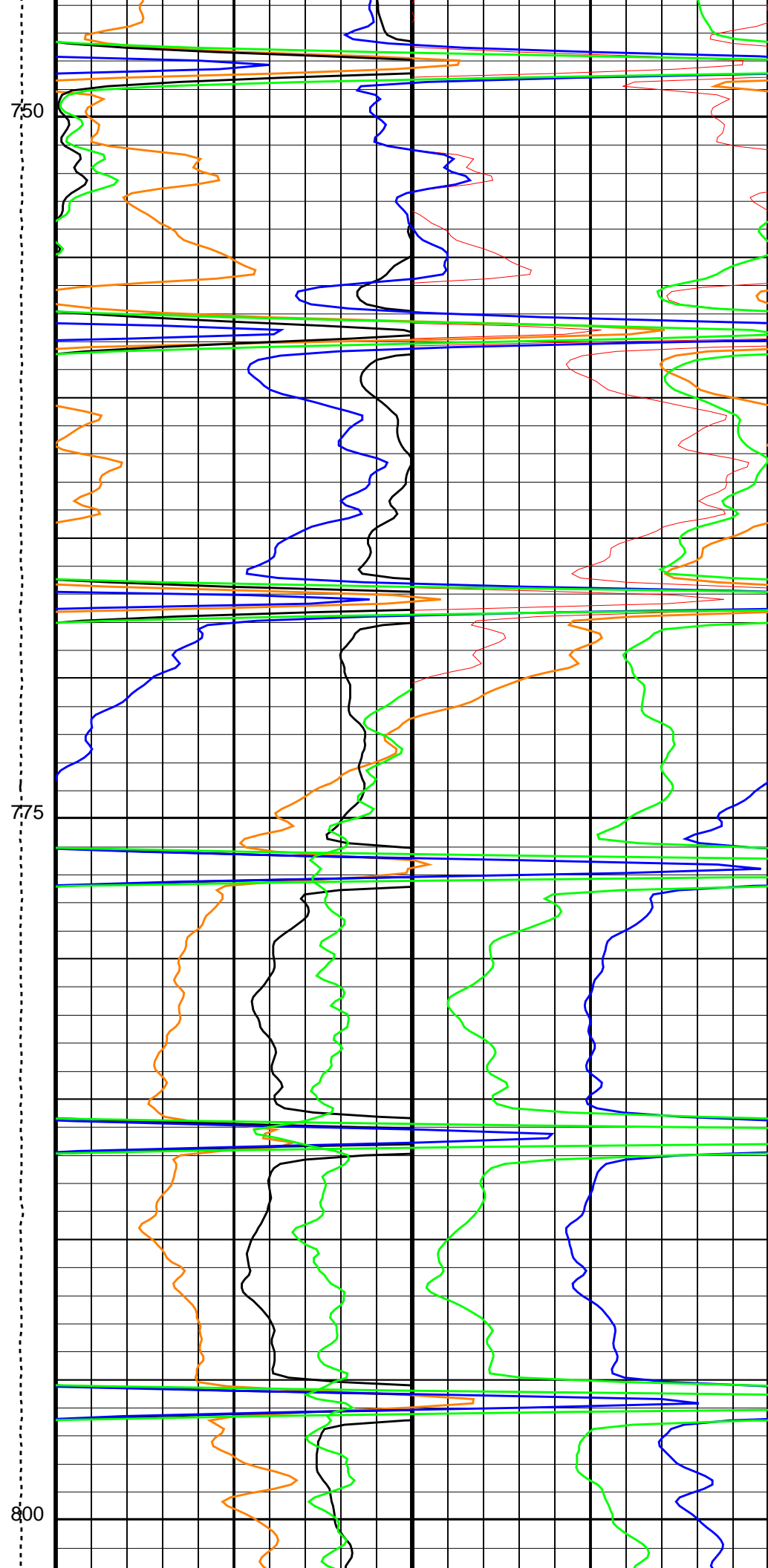
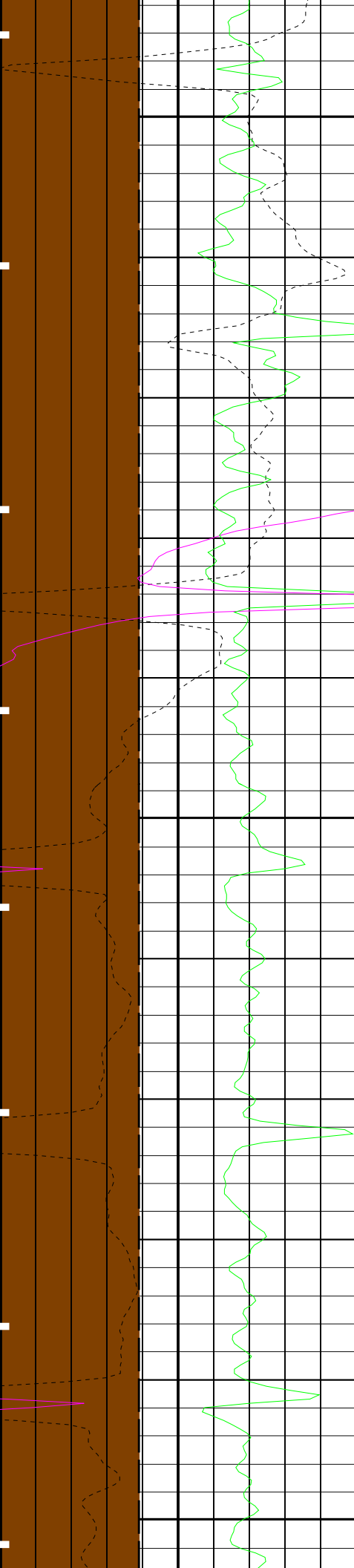
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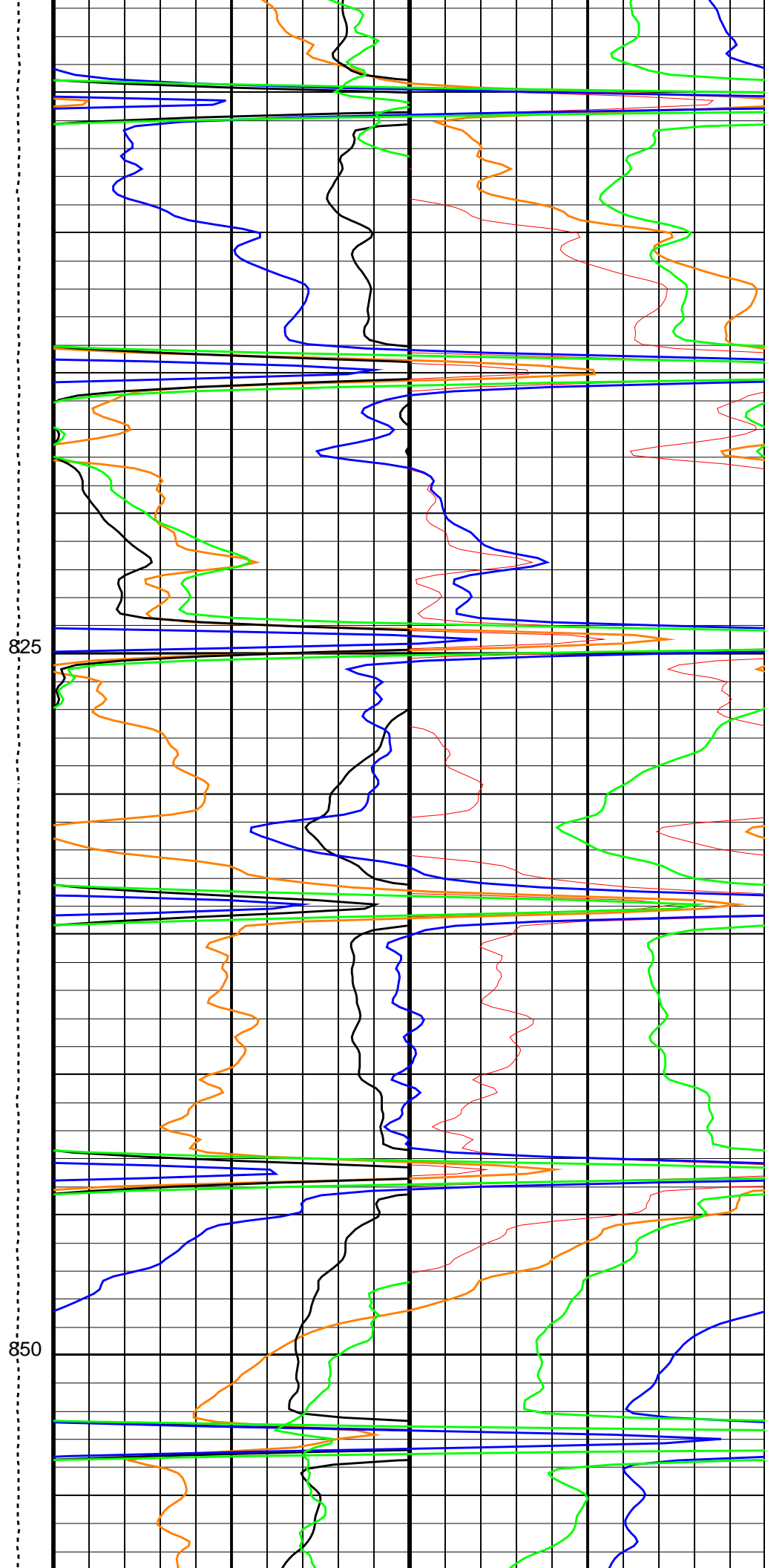
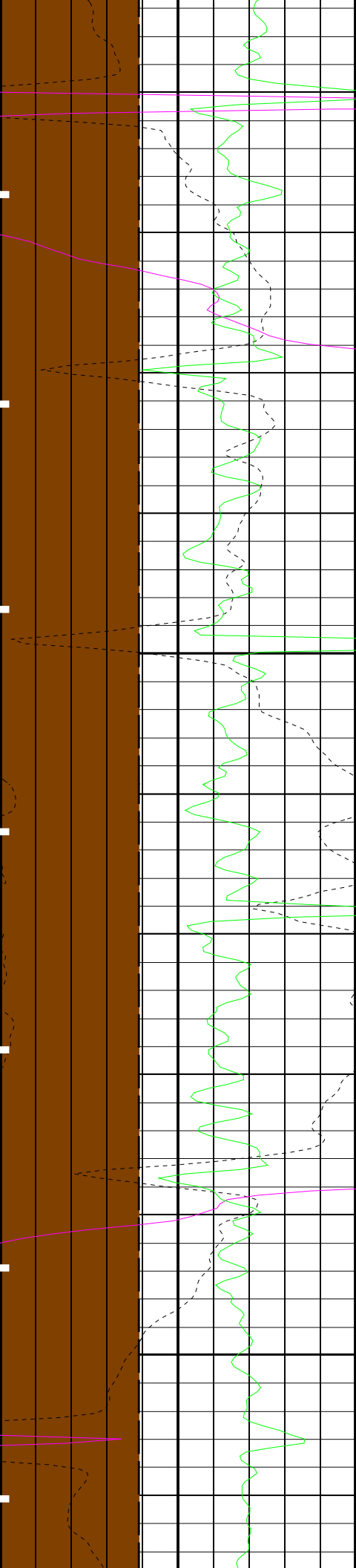
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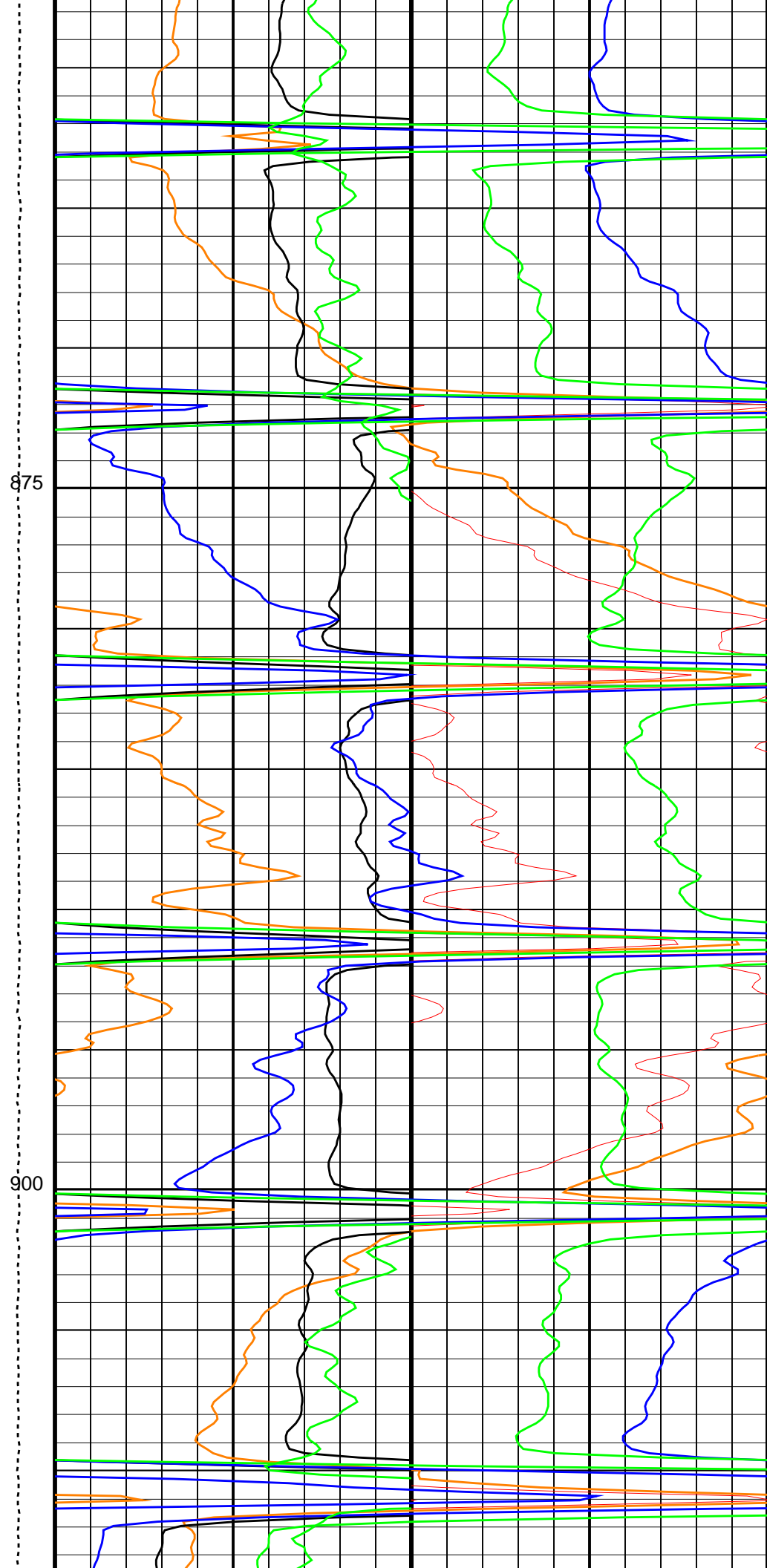
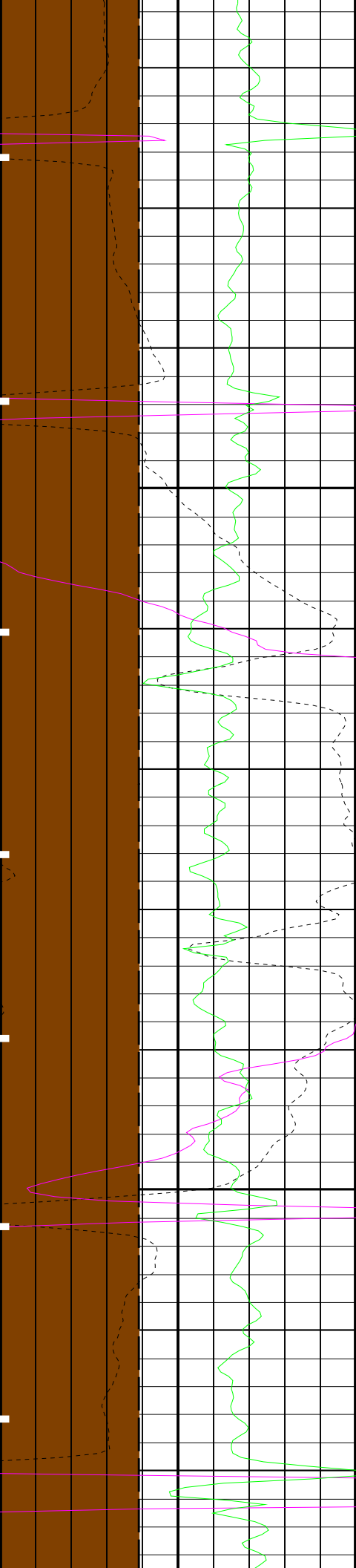






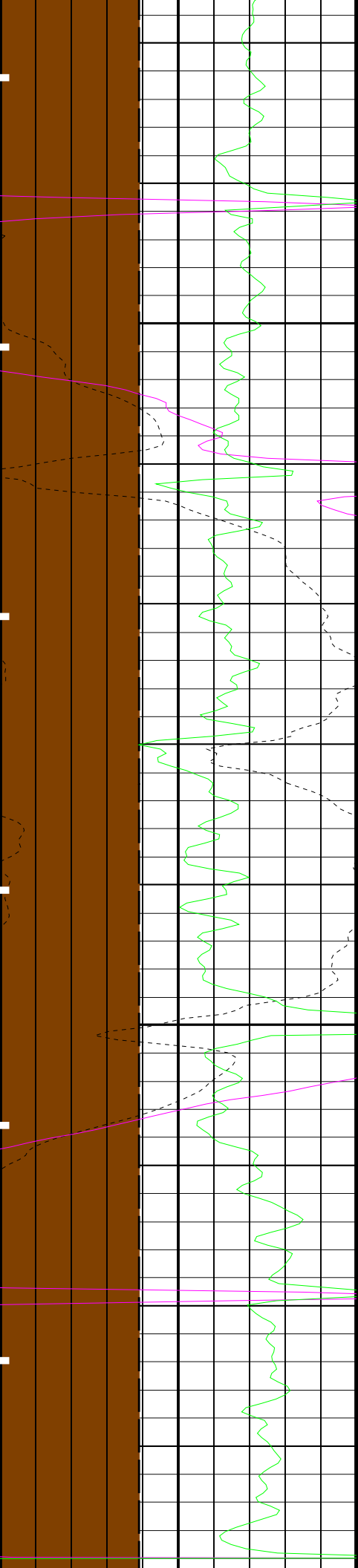
825

850



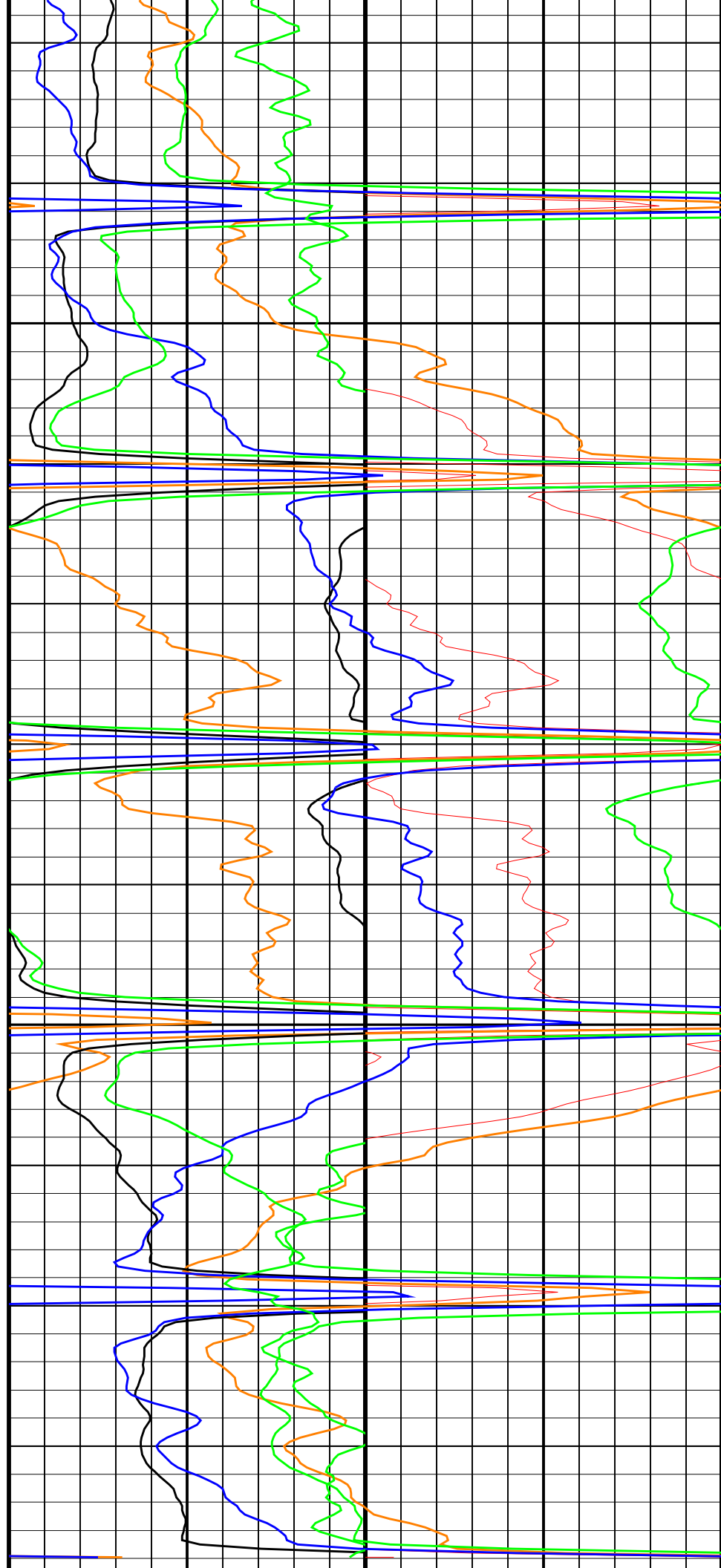
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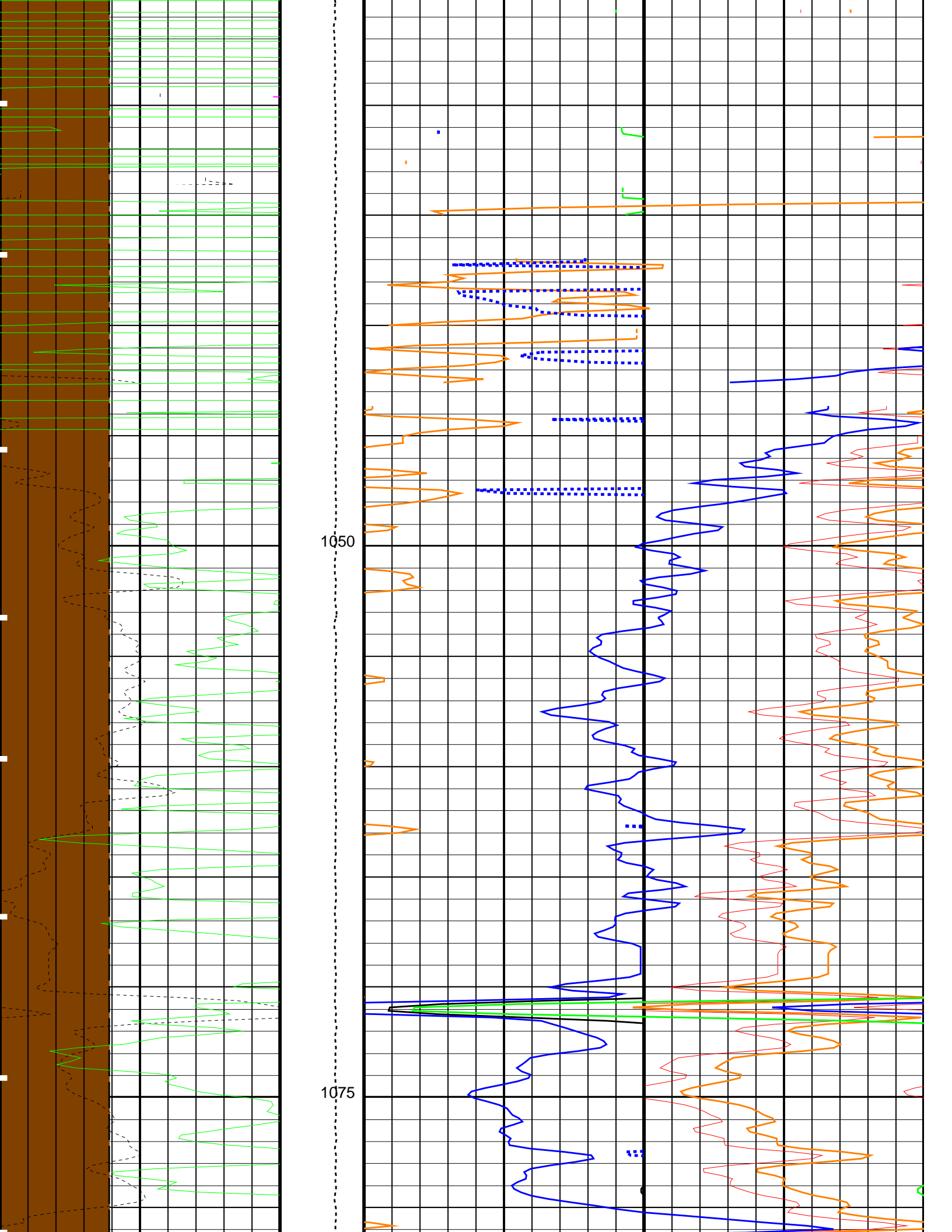
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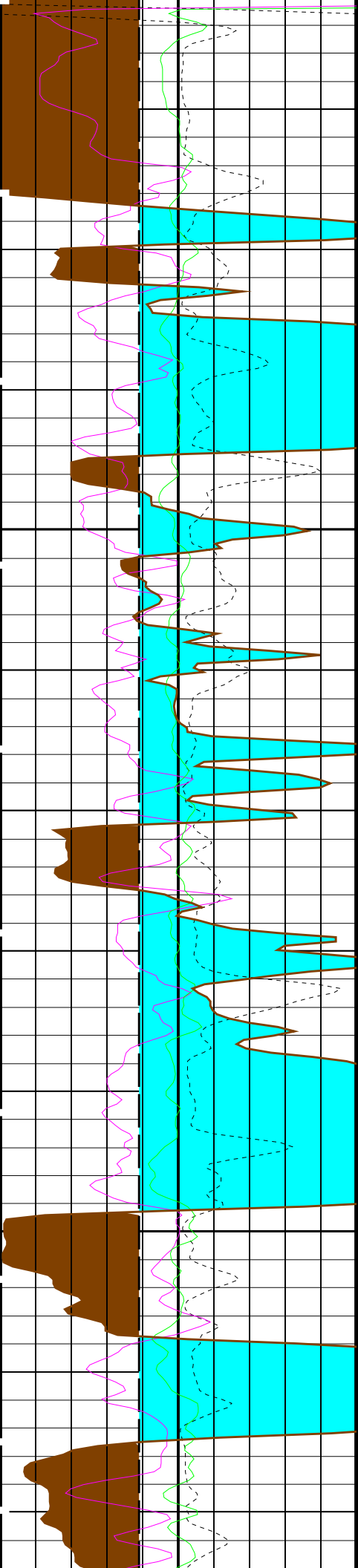


925

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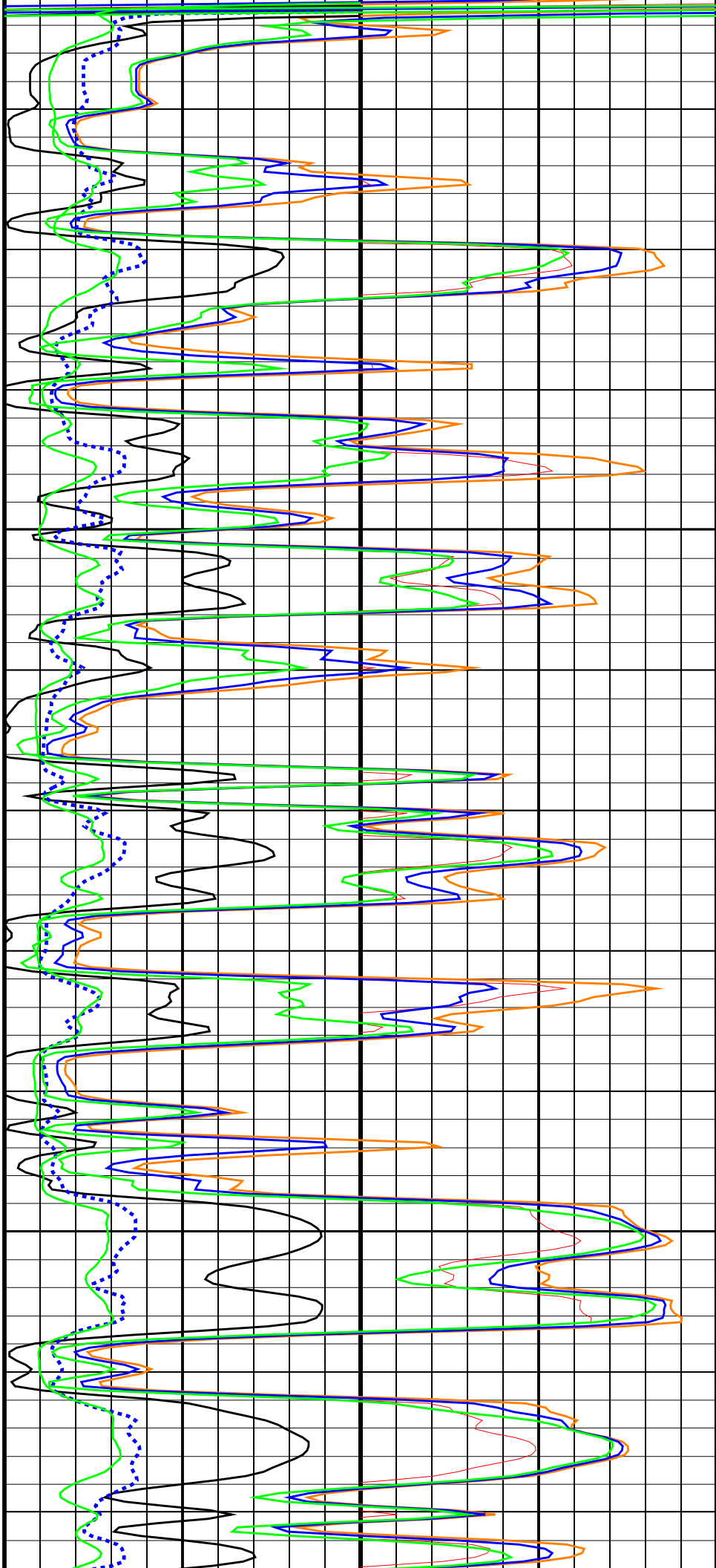


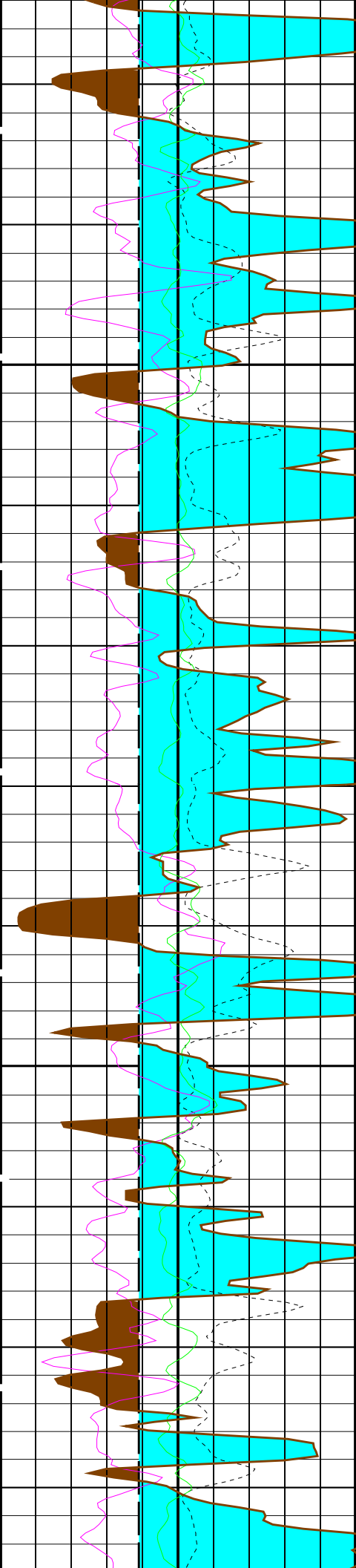




1100

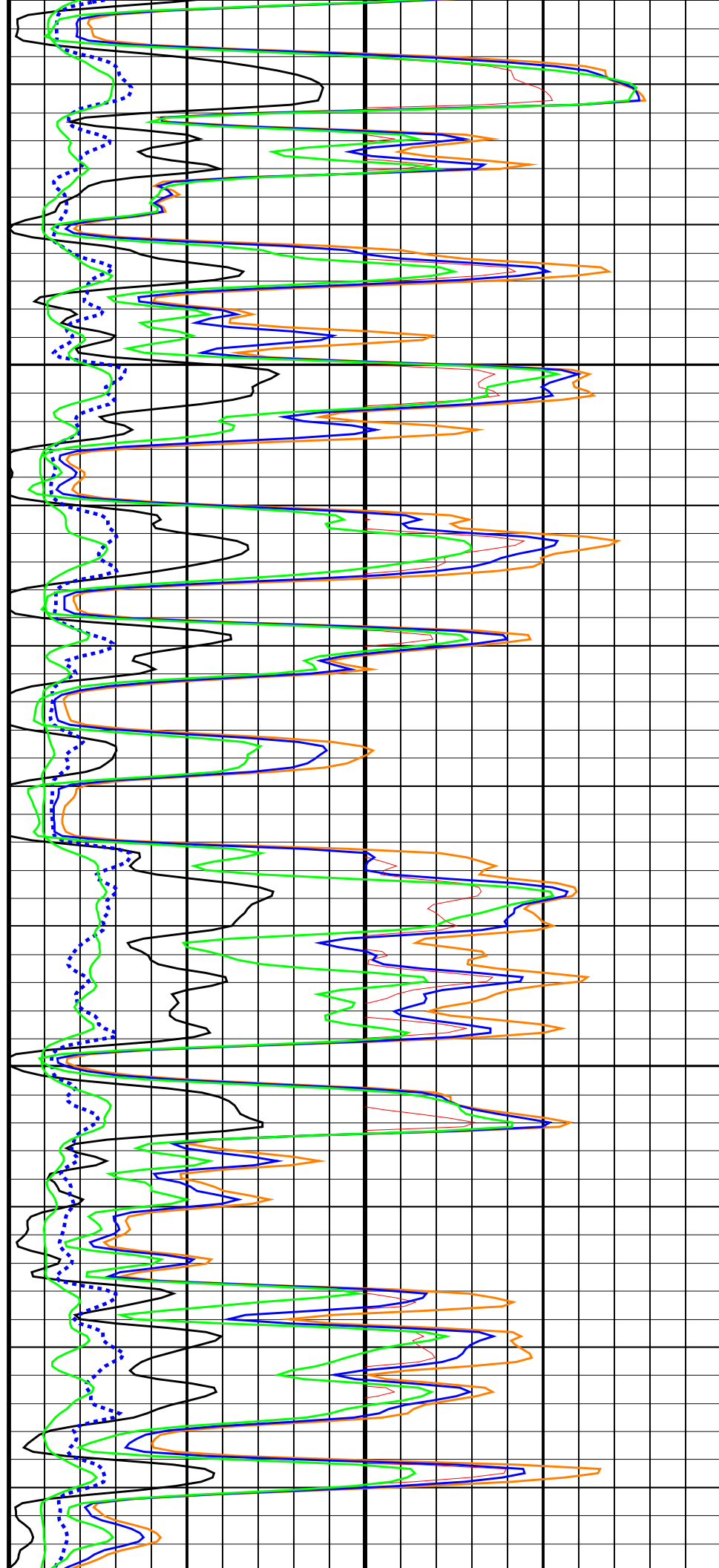
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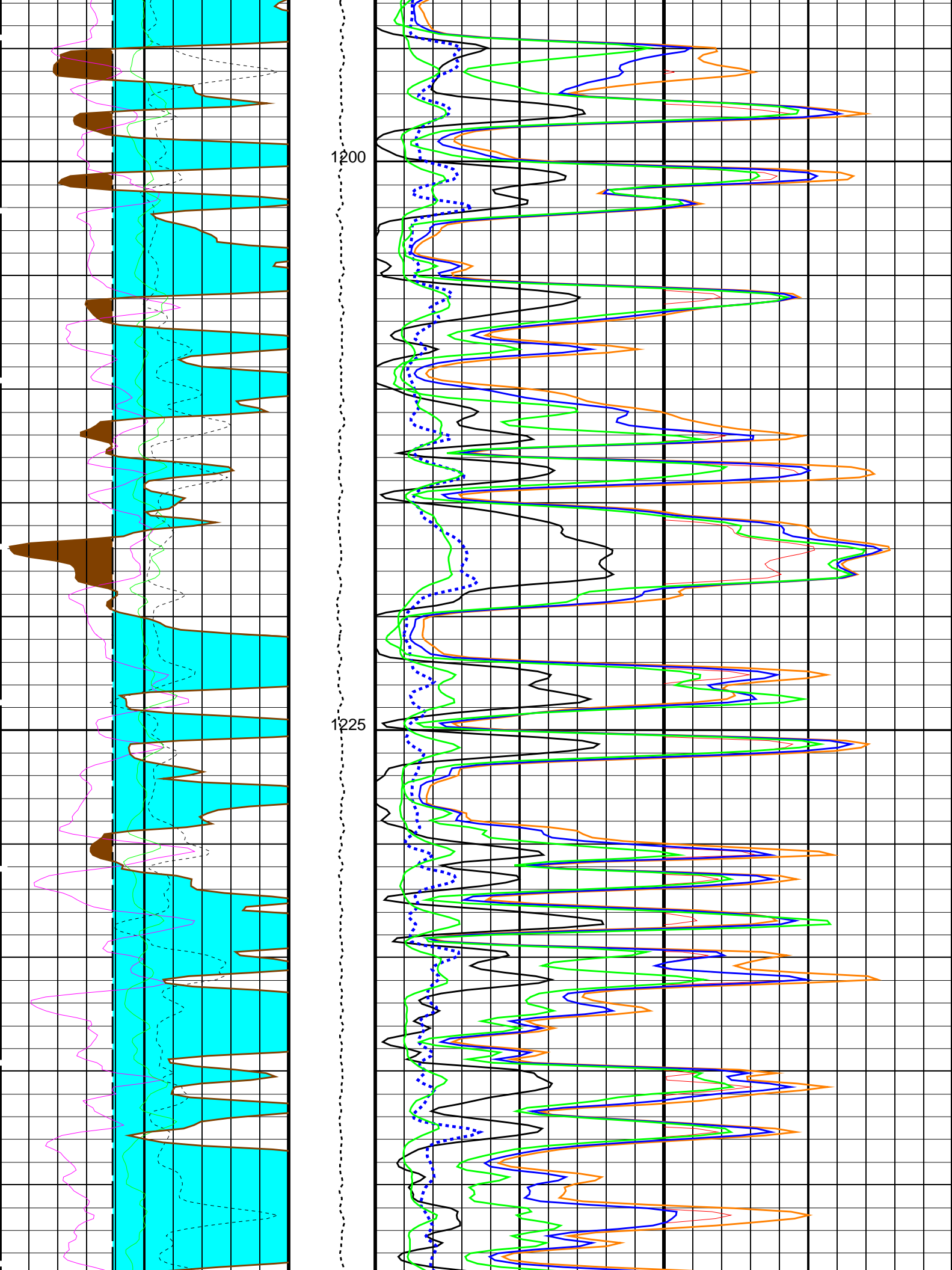


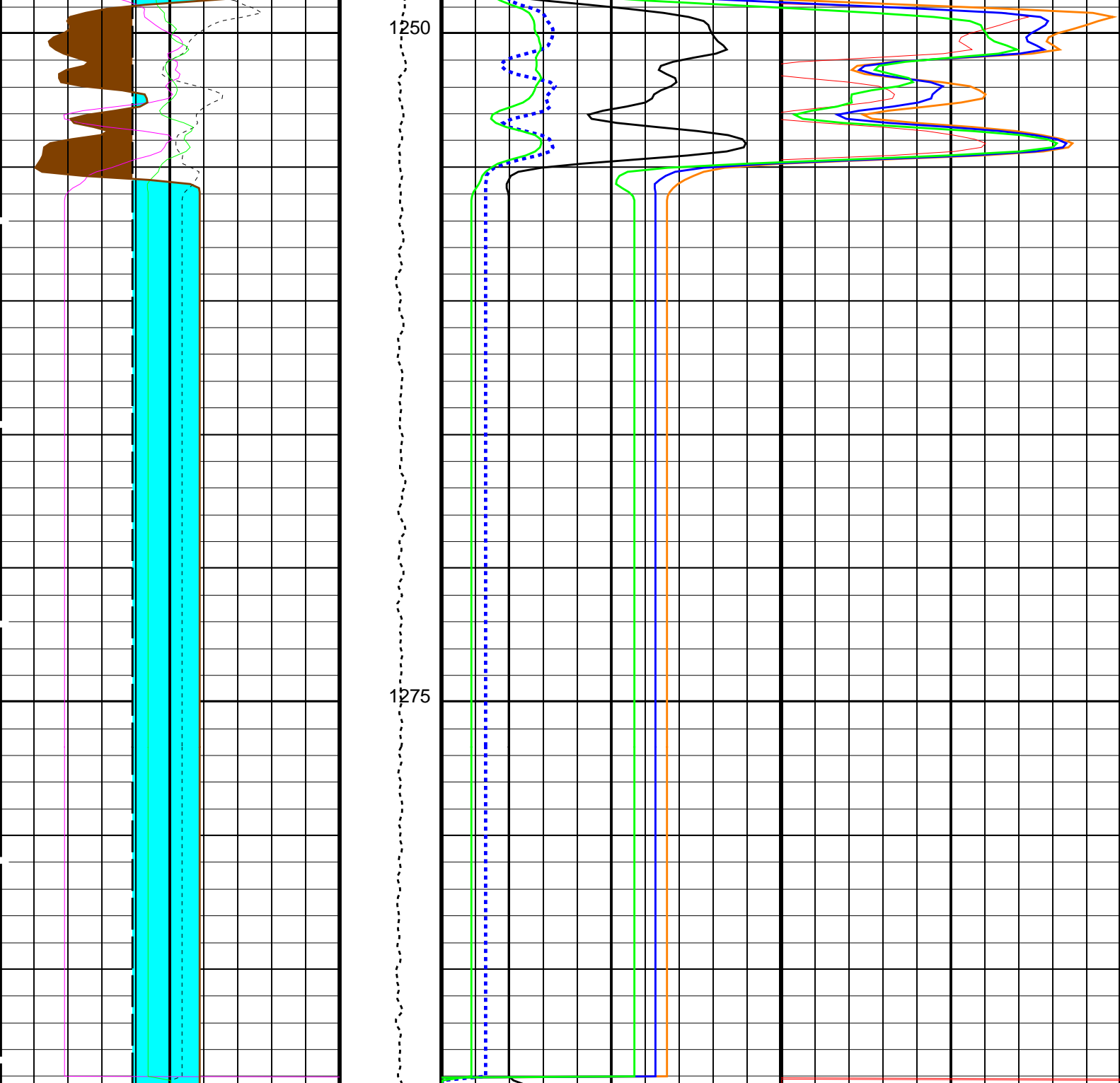


1150

1175







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		HLDS Short Spaced Photoelectric Effect (PEFS) 0 (----) 10	
Mudcake From HLDS_CALIPER to BS		HLDS Long Spaced Photoelectric Effect (PEFL) 0 (----) 10		HLDS Short Spaced Photoelectric Effect (PEFS) 0 (----) 10	
Washout From BS to HLDS_CALIPER		HLDS Long Spaced Photoelectric Effect (PEFL) 0 (----) 10		HLDS Short Spaced Photoelectric Effect (PEFS) 0 (----) 10	
HLDS Short Spacing Quality Indicator		HLDS Long Spaced Photoelectric Effect (PEFL) 0 (----) 10		HLDS Short Spaced Photoelectric Effect (PEFS) 0 (----) 10	

HLDS Short Spacing Quality Indicator (LQSS)			HLDS Short Spaced Bulk Density (RHS)					
-0.25	(-----)	0.25	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 Sonde								
DHC	Density Hole Correction		BS					
DPPM	Density Porosity Processing Mode		HIRS					
FD	Fluid Density		1	G/C3				
LATC	HLDS Activation Correction		OFF					
MDEN	Matrix Density		2.6	G/C3				
EDTC-B: Enhanced DTS Cartridge								
DPPM	Density Porosity Processing Mode		HIRS					
System and Miscellaneous								
BS	Bit Size		9.875	IN				
DFD	Drilling Fluid Density		9.00	LB/G				
Format: HLDSDensityPE		Vertical Scale: 1:200		Graphics File Created: 11-Jan-2024 20:07				
OP System Version: 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	DSI_HRLA_LDL_NGS_013LUP		FN:12	PRODUCER	11-Jan-2024 20:07			
Company: International Ocean Discovery Program								
Well: Expedition 401, Site U1610A								
Output DLIS Files								
DEFAULT	DSI_HRLA_LDL_NGS_013LUP		FN:12	PRODUCER	11-Jan-2024 20:07 1289.3 M 553.2 M			
OP System Version: 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								
			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)					

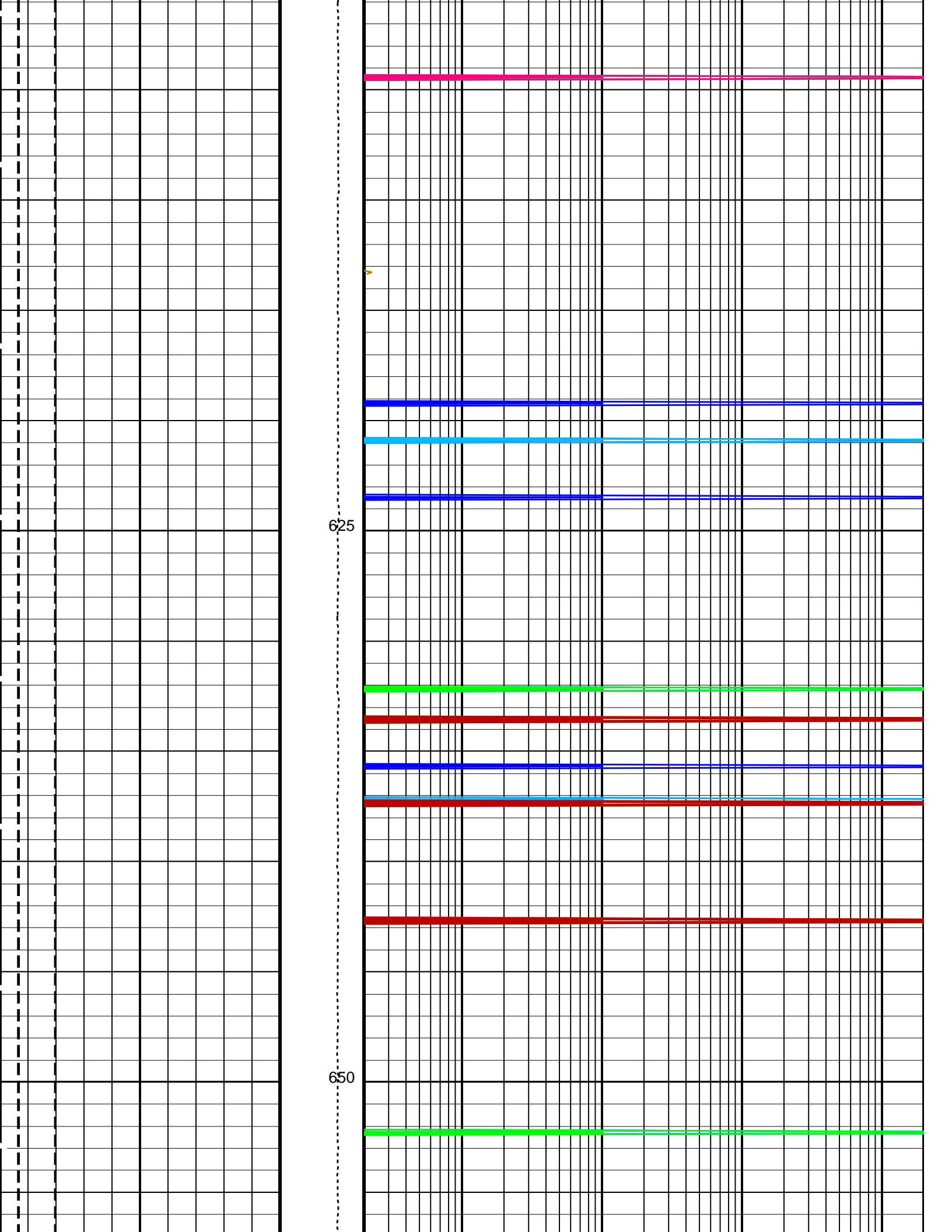
This figure is a log-log plot showing the relationship between Invasion Diameter (DI_HRLT) and Bit Size (BS) on the x-axis and Tension (TENS) on the y-axis. The x-axis ranges from 0 to 50 inches, and the y-axis ranges from 0 to 10000 pounds force (LBF). The plot includes a grid and a data series represented by a blue line.

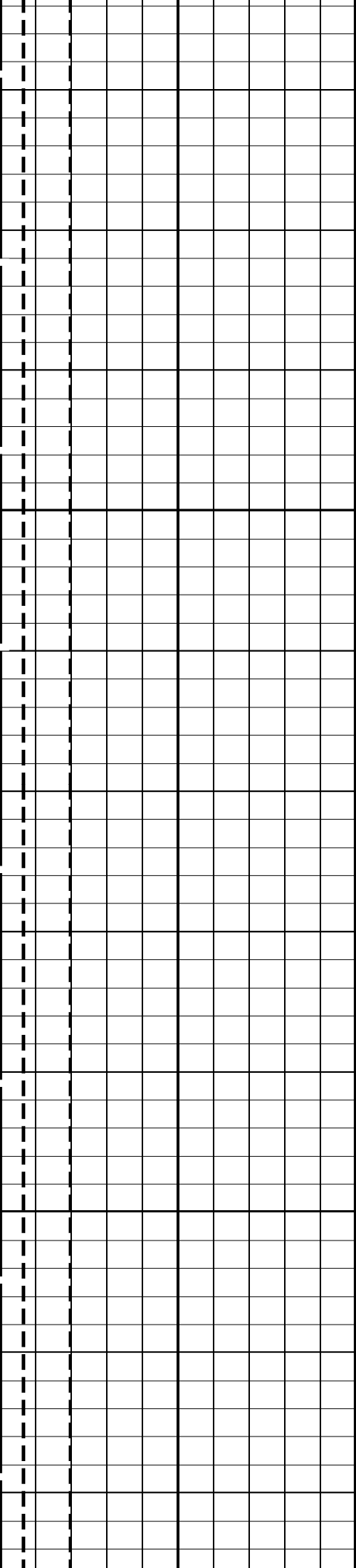
The x-axis is labeled "Invasion Diameter (DI_HRLT) (IN)" and ranges from 0 to 50. The y-axis is labeled "Tension (TENS) (LBF)" and ranges from 0 to 10000.

The plot shows a blue line representing the relationship between DI_HRLT and TENS. The line starts at approximately (0, 10000) and decreases as DI_HRLT increases, reaching approximately (50, 1000). The line is labeled "HRLT Resistivity 2 (RLA2) (OHMM)" and "HRLT Resistivity 1 (RLA1) (OHMM)".

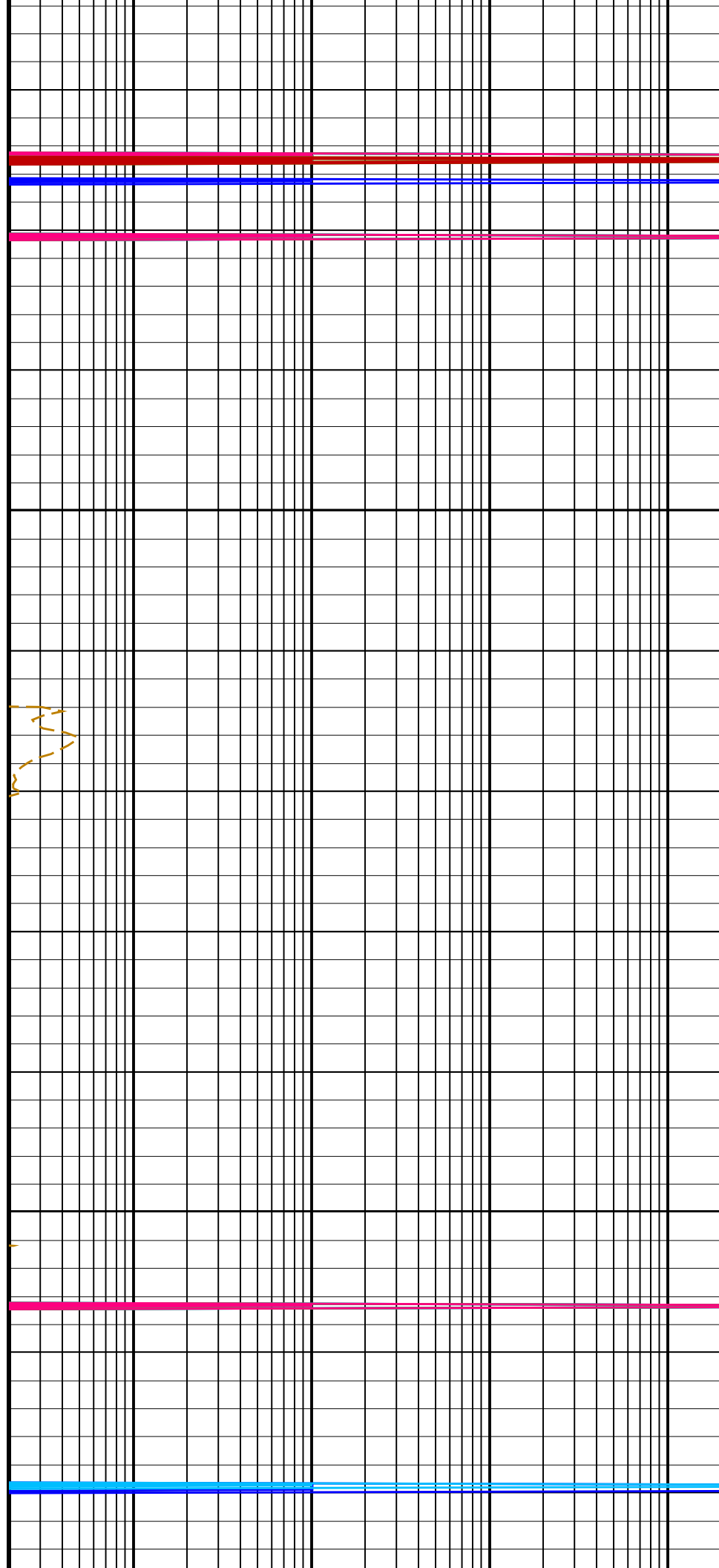
The plot also includes a grid and a data series represented by a blue line. The line is labeled "HRLT Resistivity 2 (RLA2) (OHMM)" and "HRLT Resistivity 1 (RLA1) (OHMM)".

Invasion Diameter (DI_HRLT) (IN)	Tension (TENS) (LBF)
0	10000
10	5000
20	2500
30	1500
40	1000
50	1000

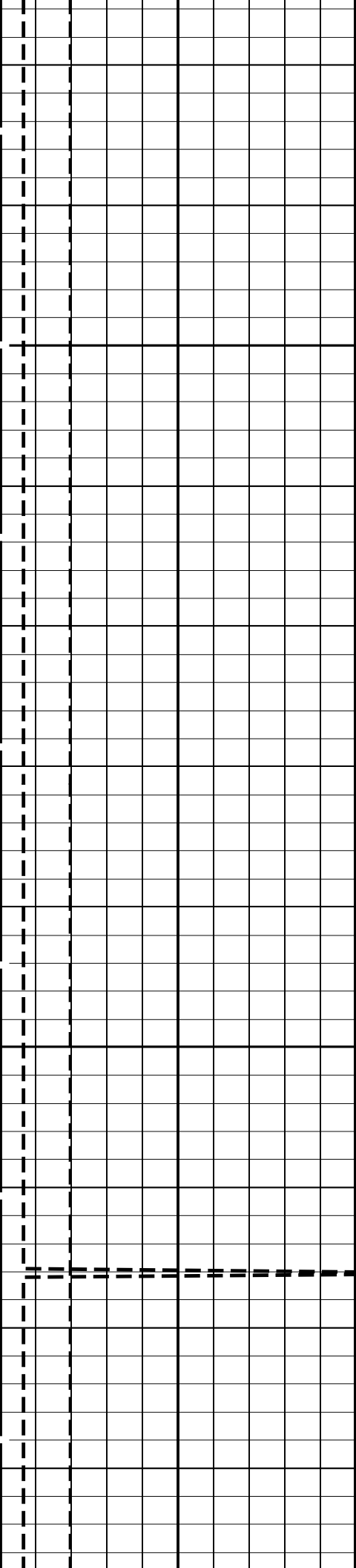




675

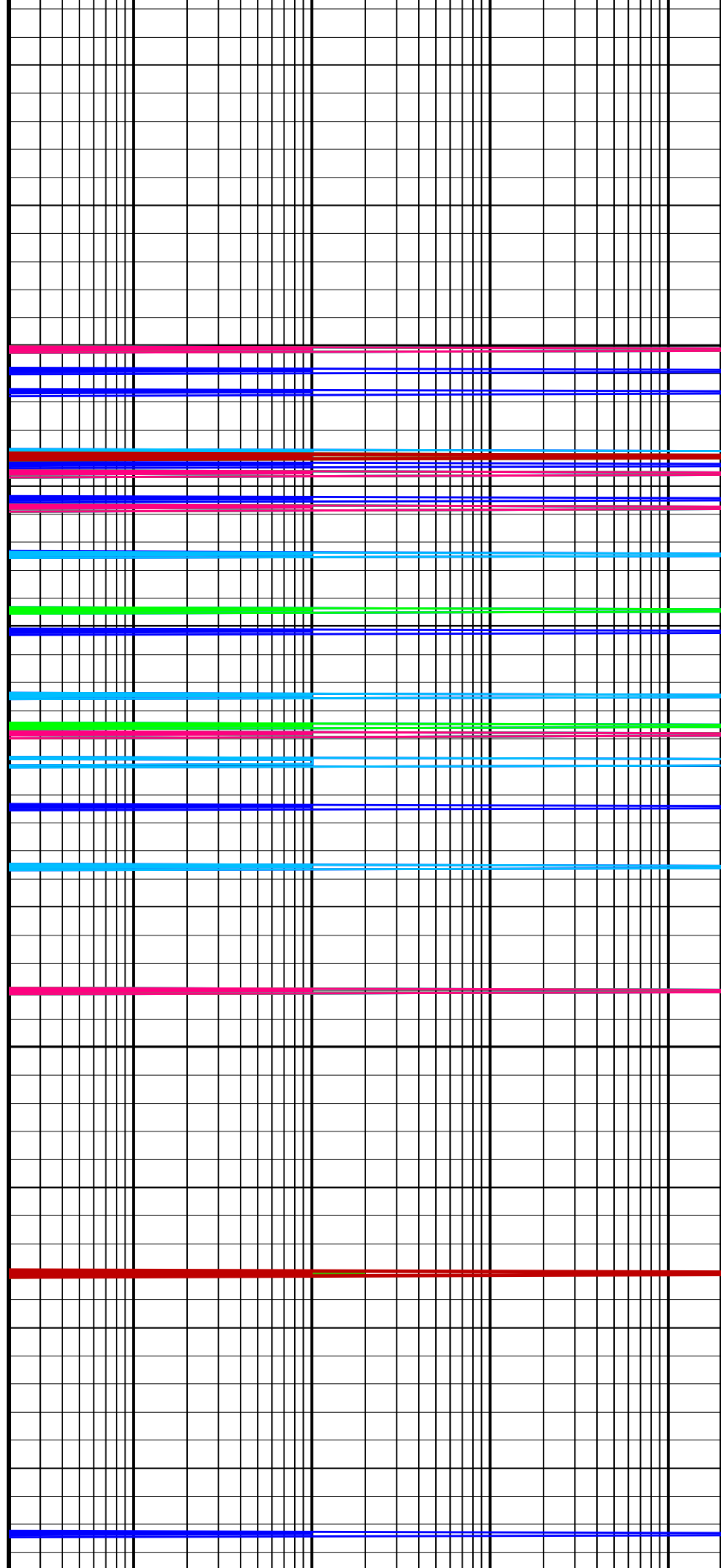


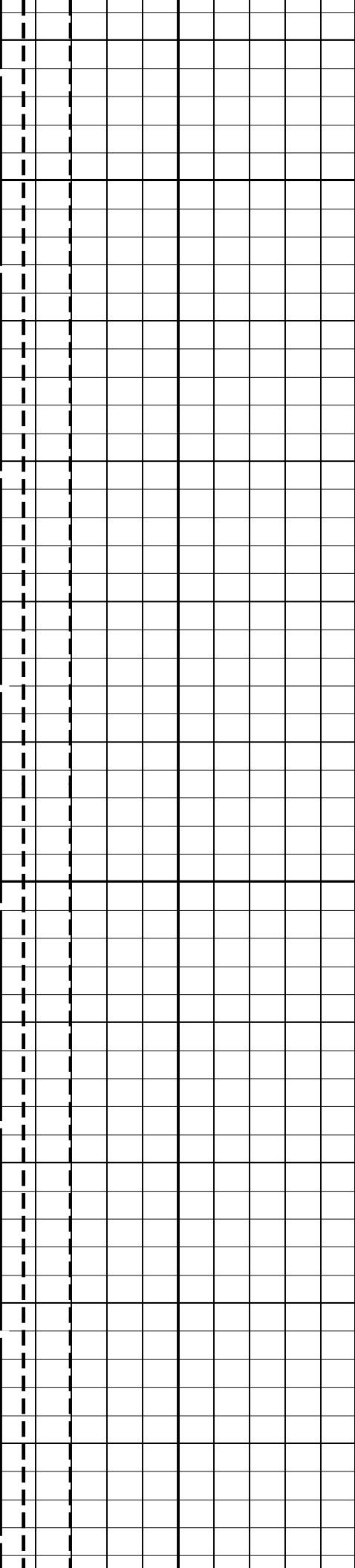
700



725

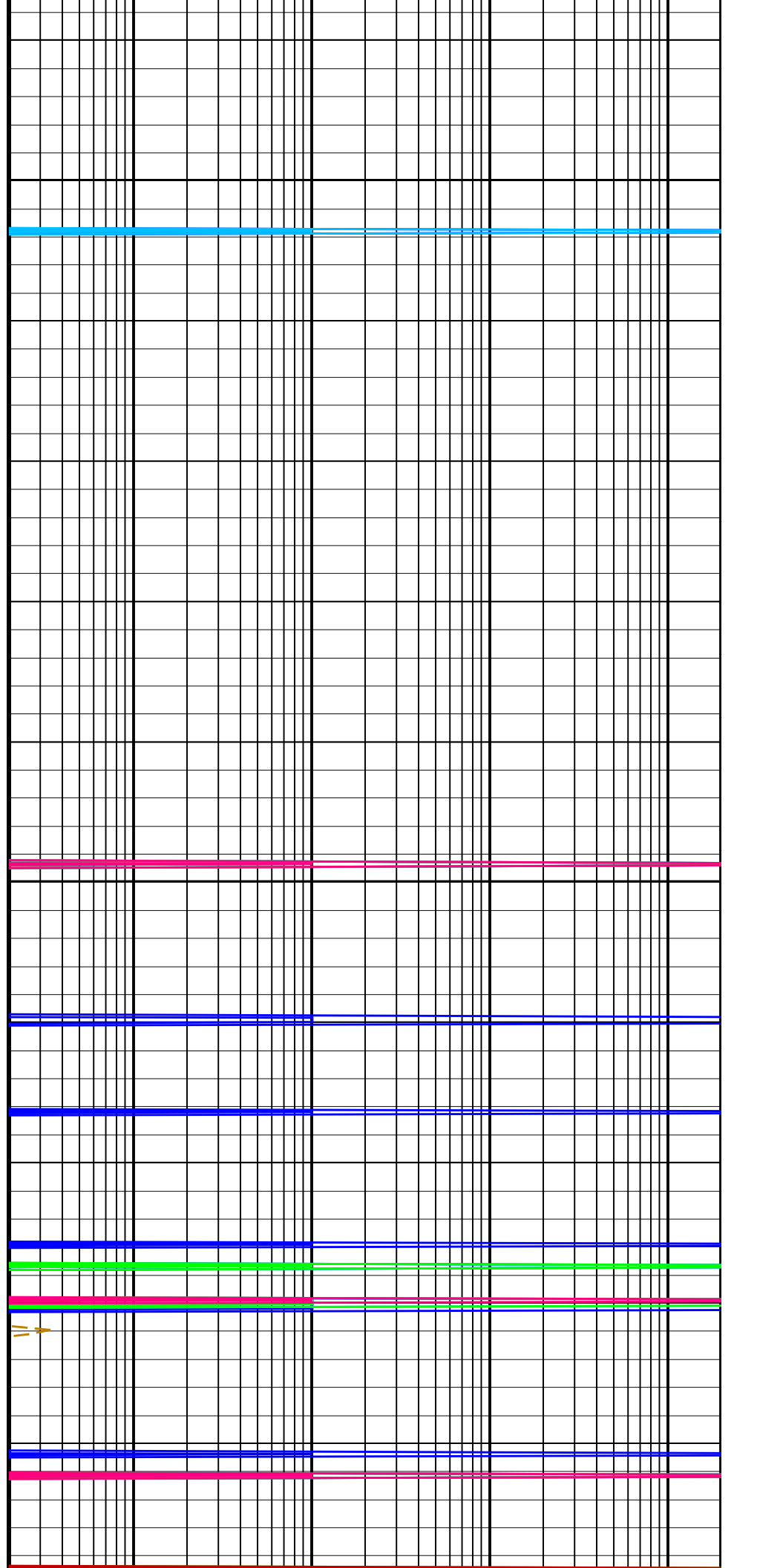
750

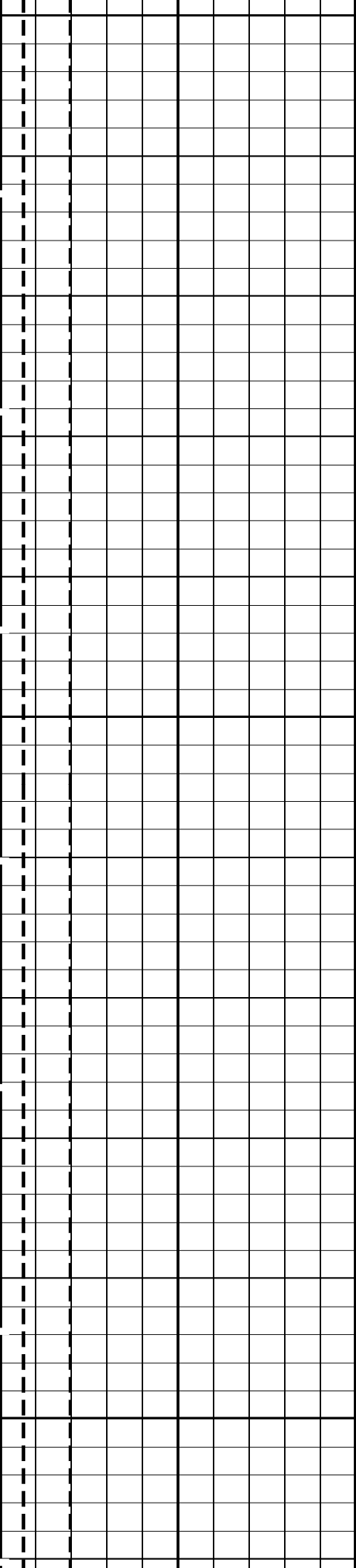




775

800

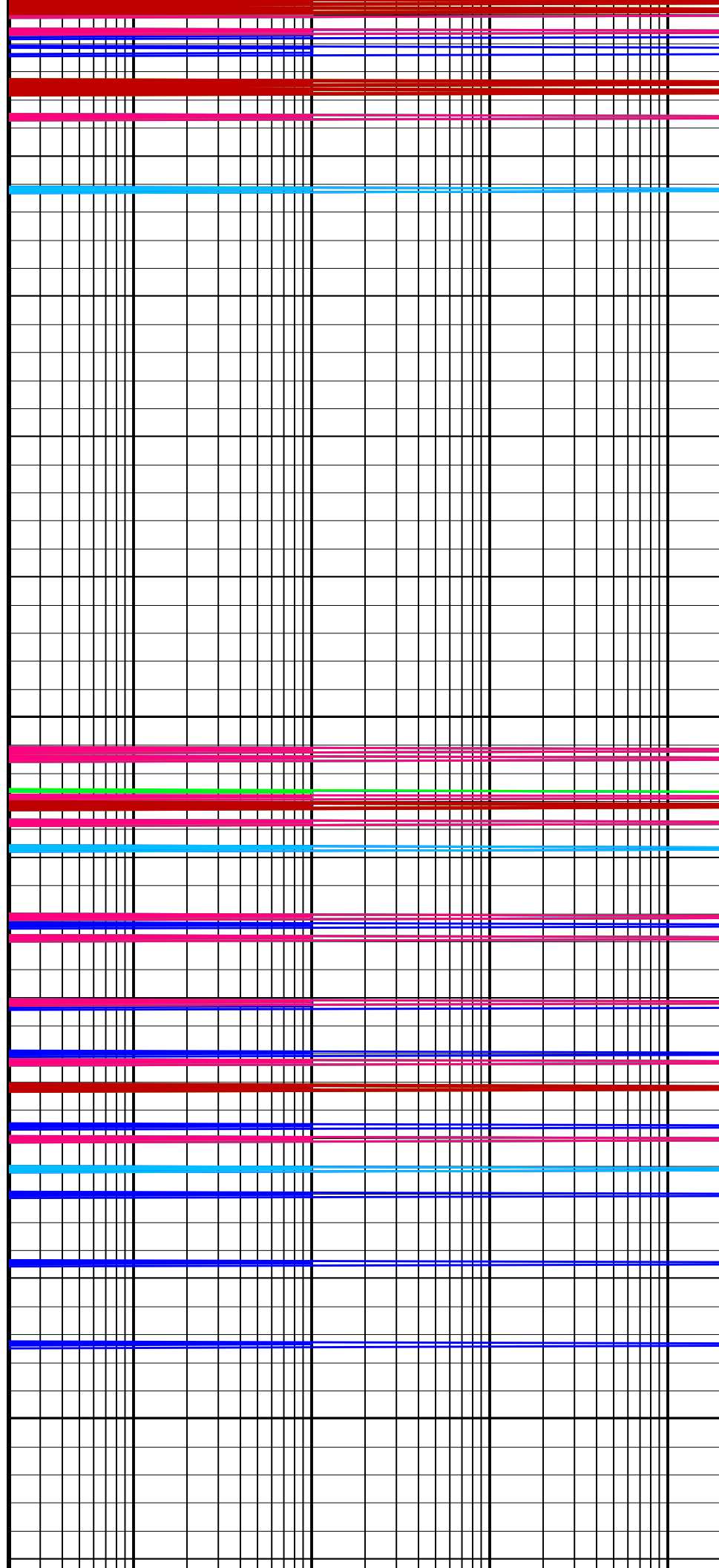


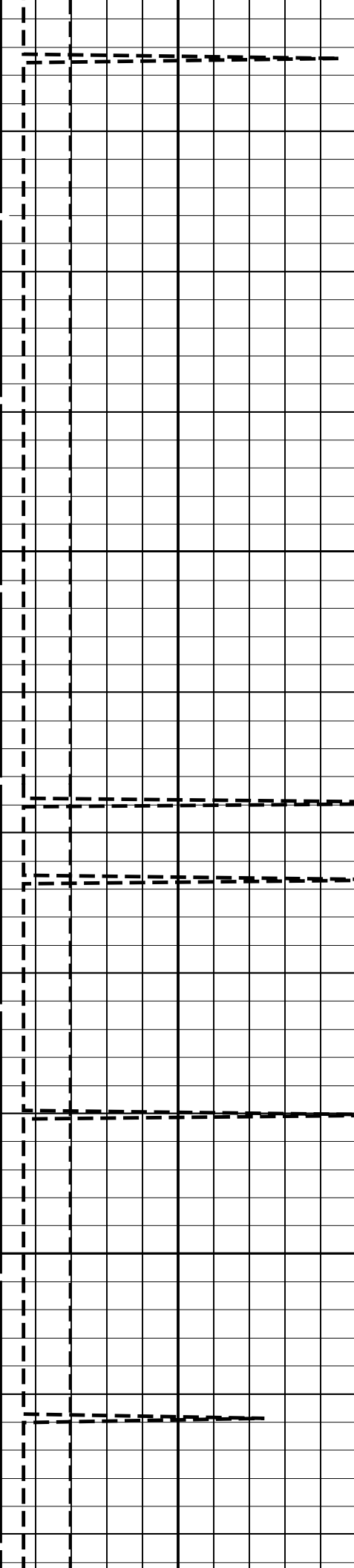


825

850

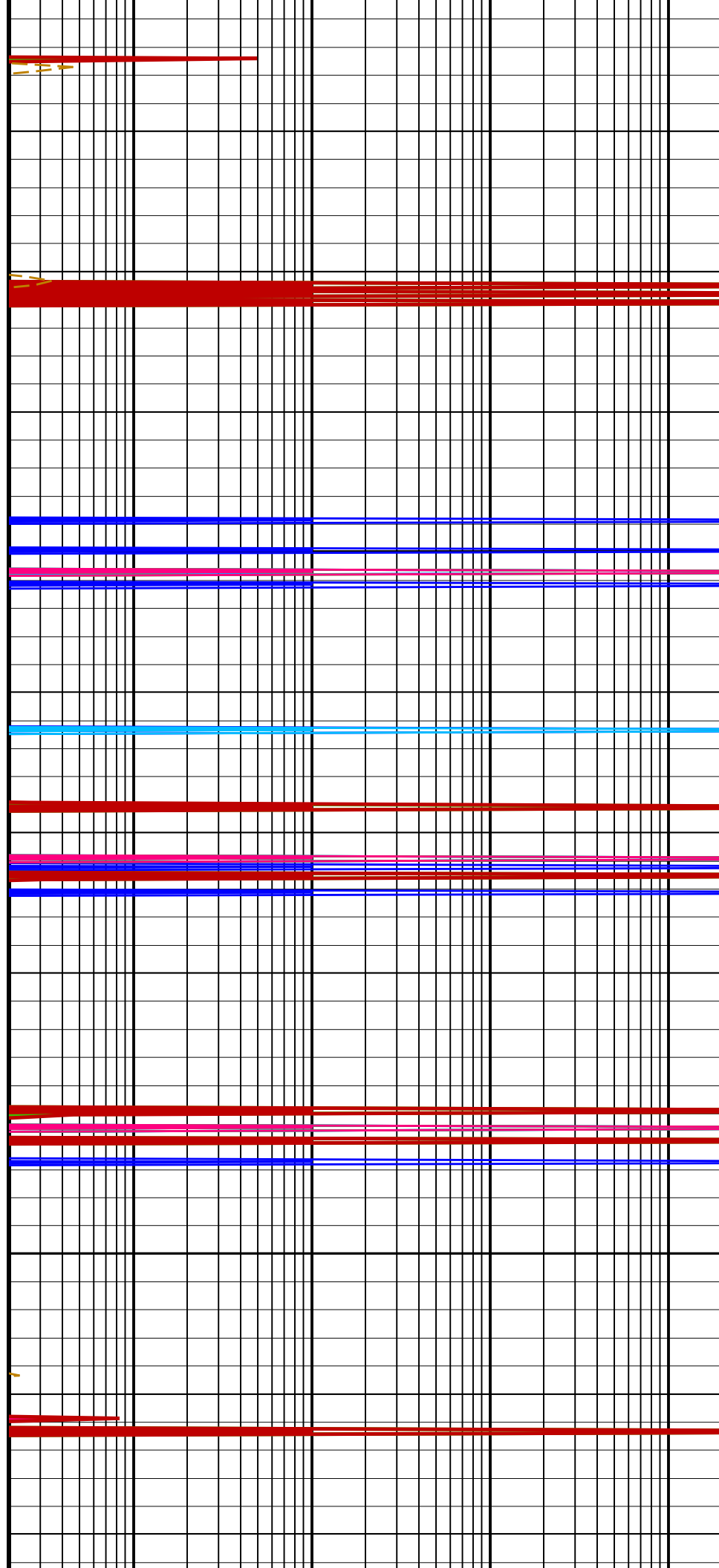
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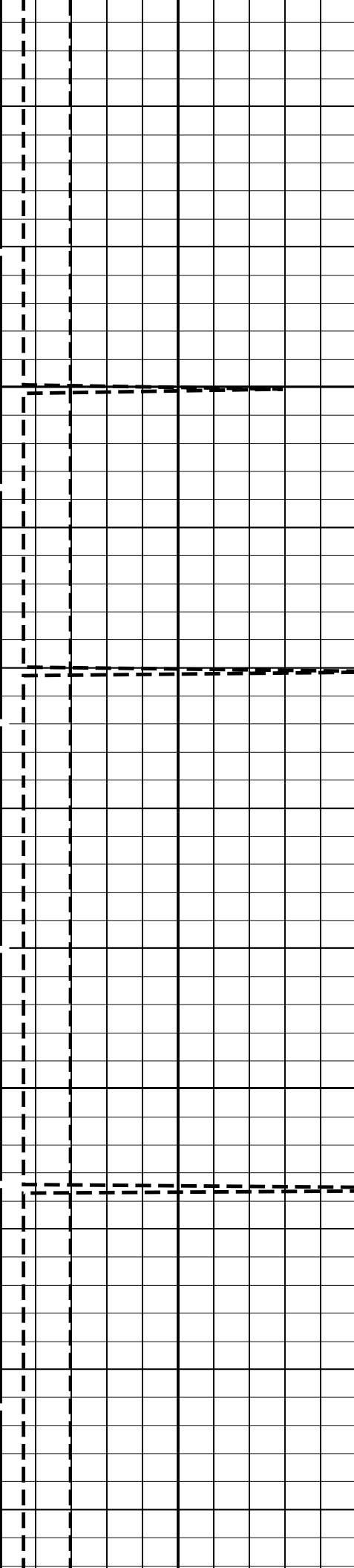




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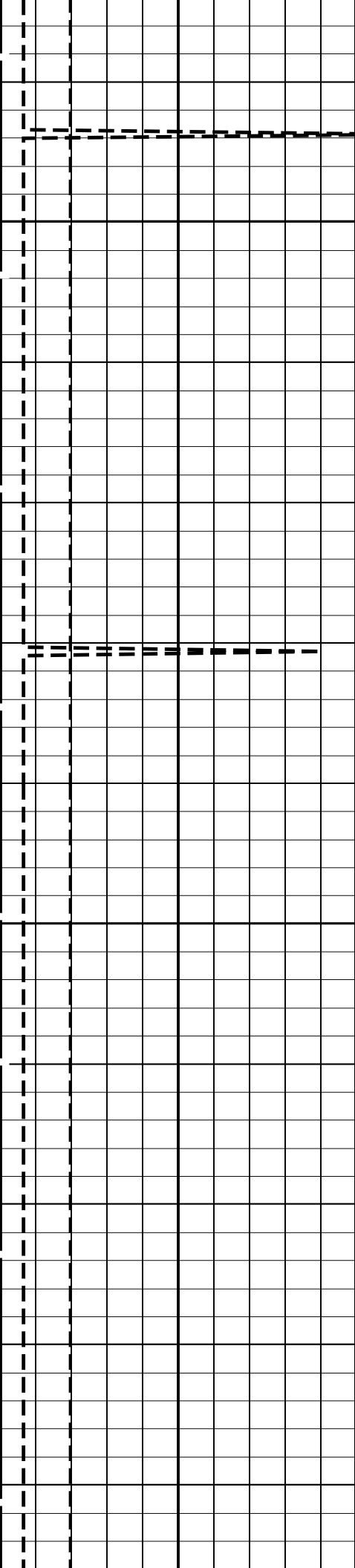
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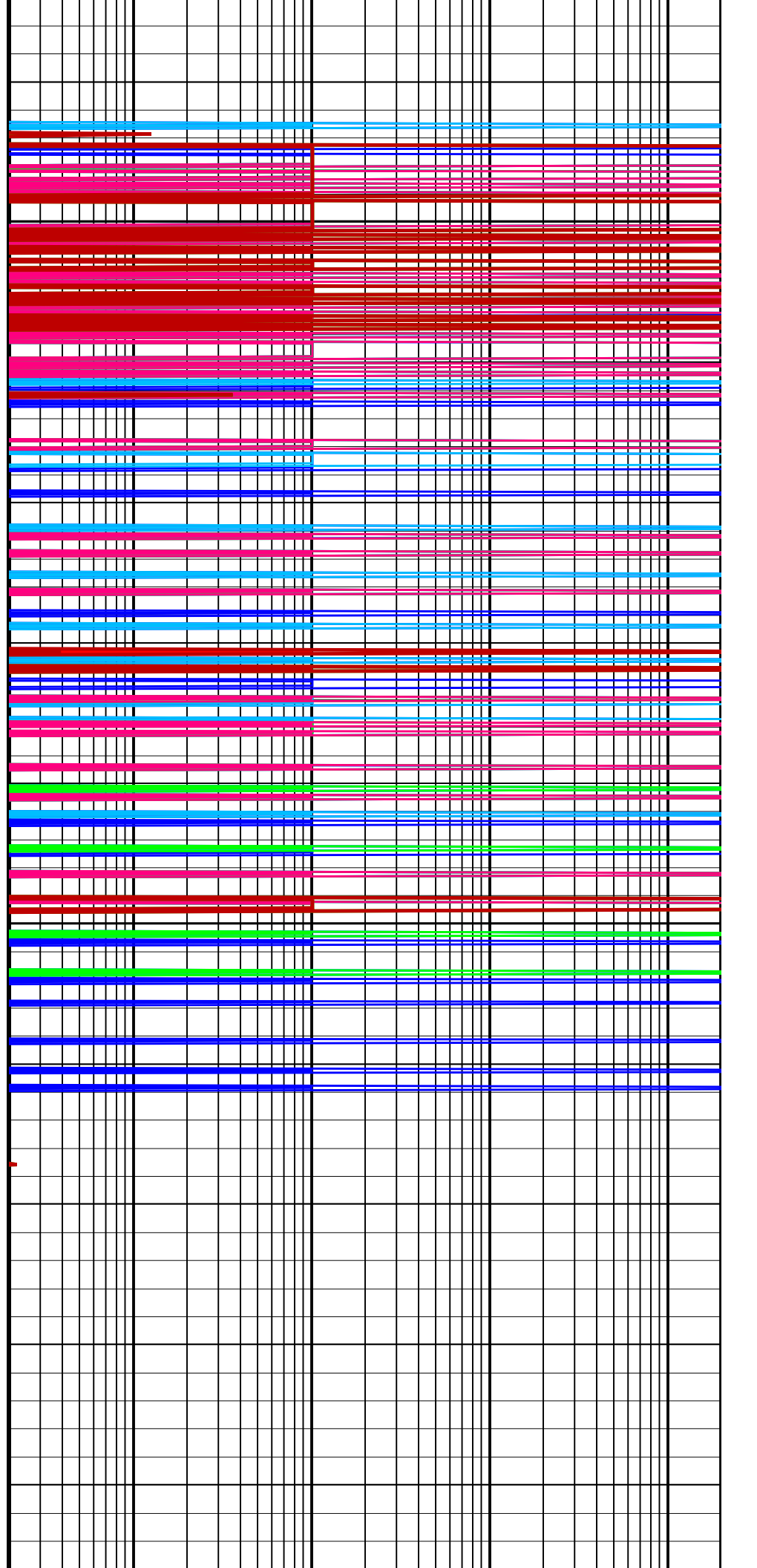
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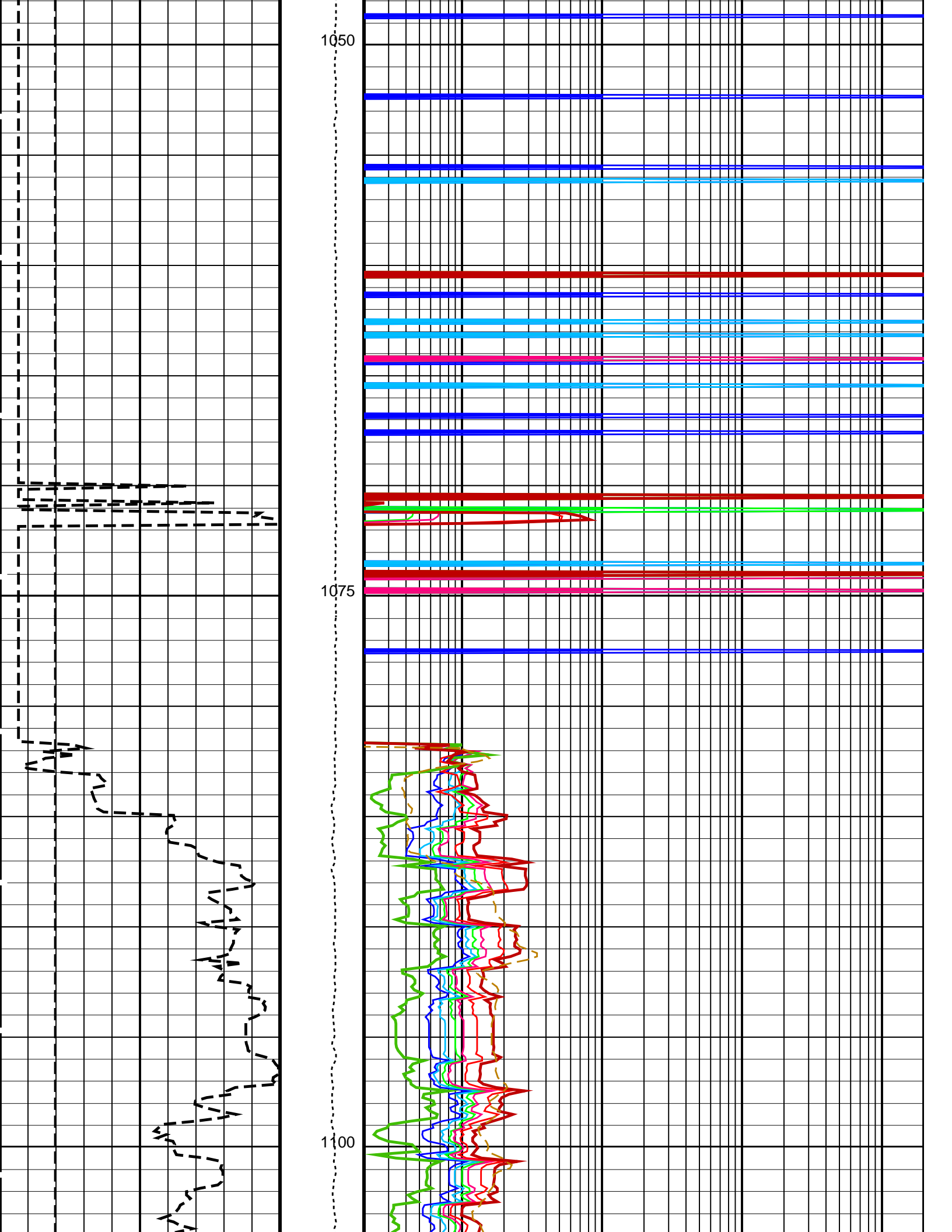
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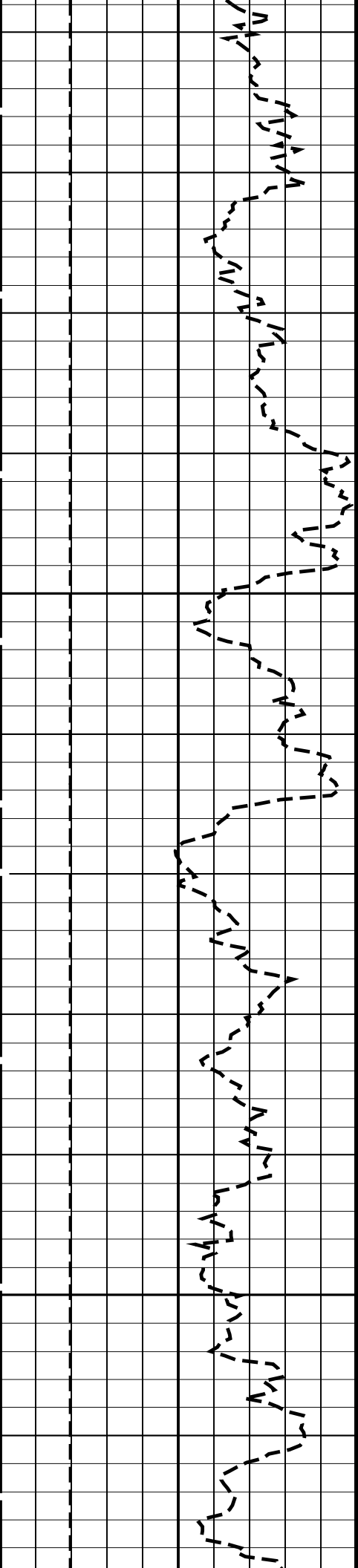


1000

1025

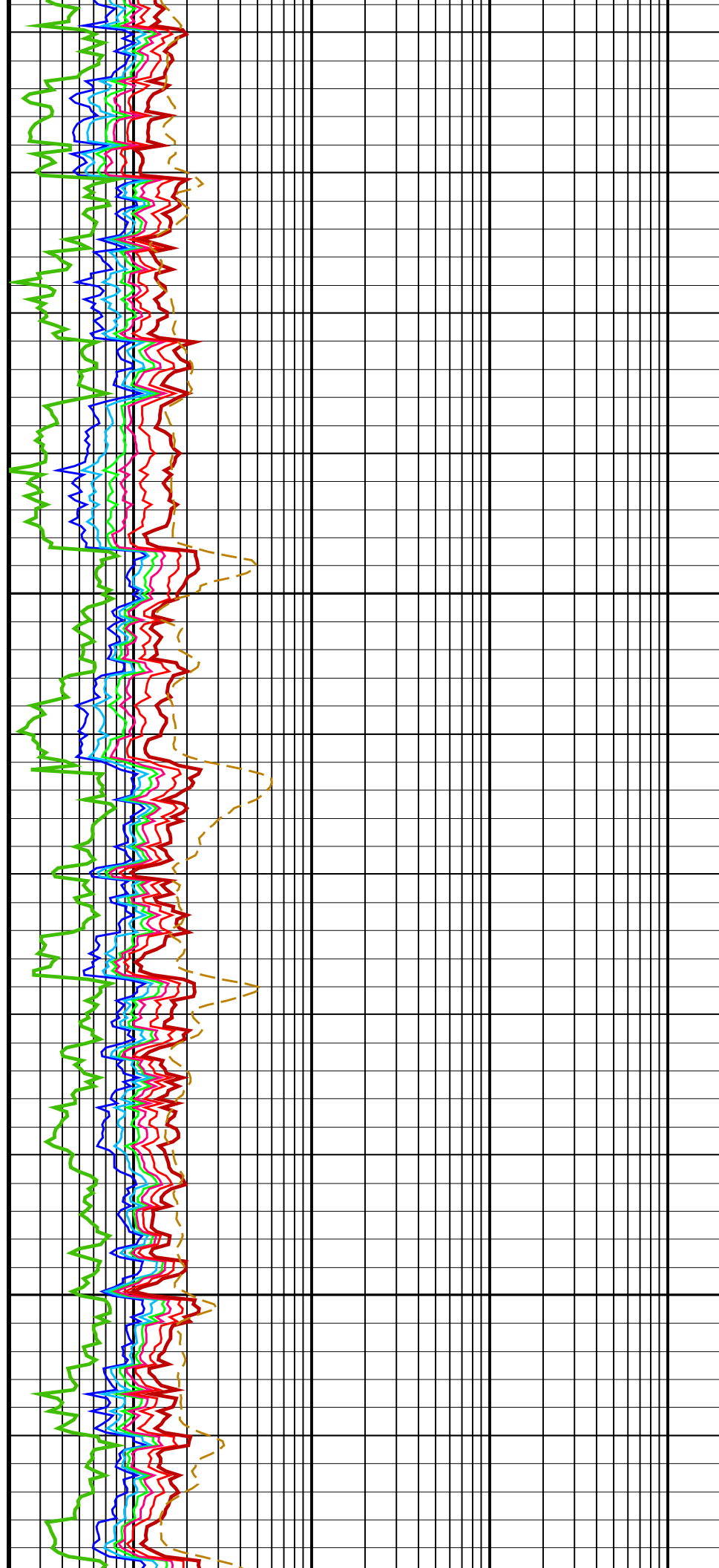


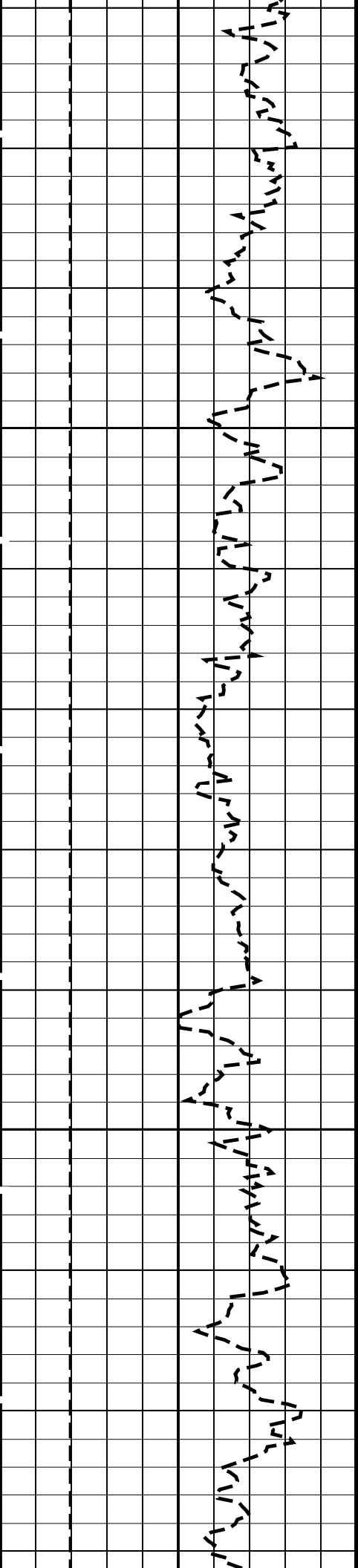




1125

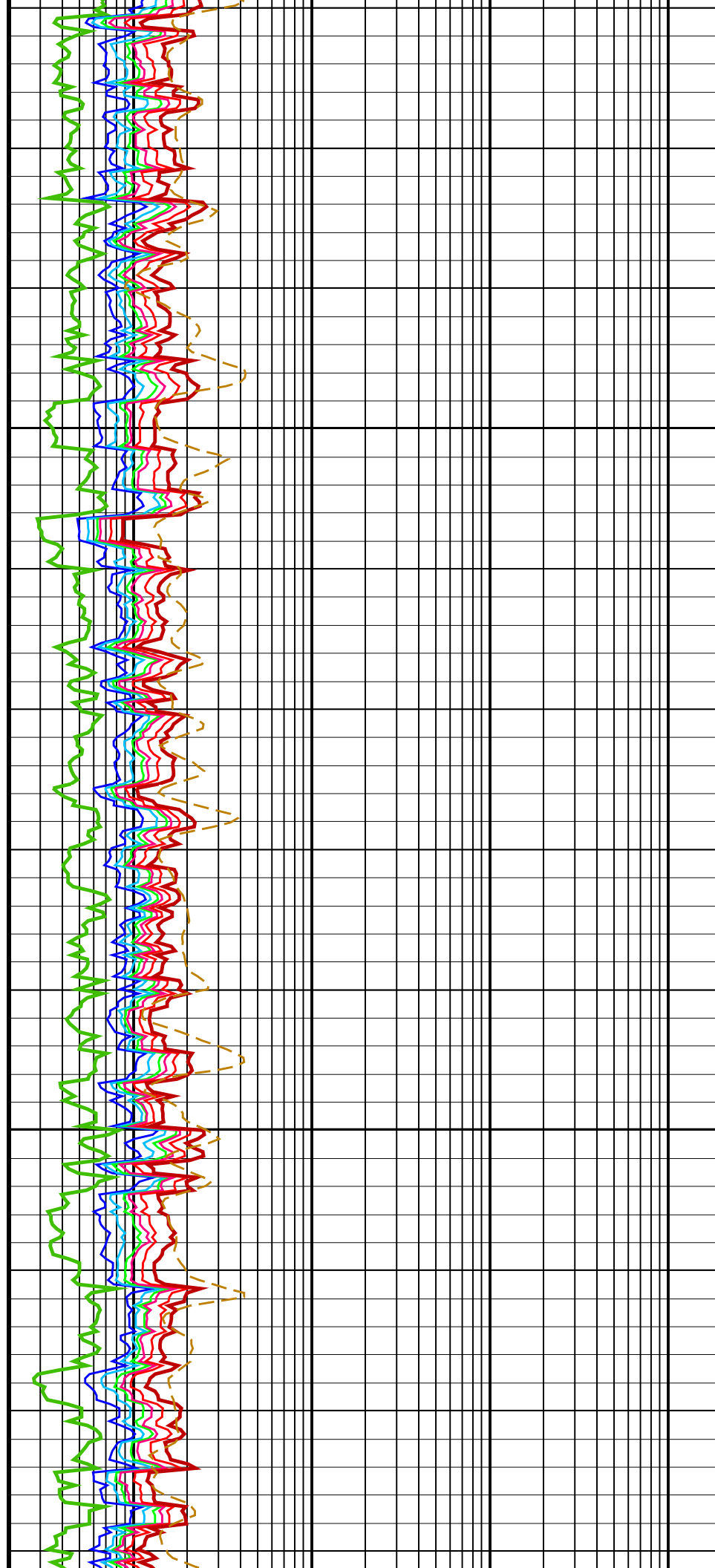
1150

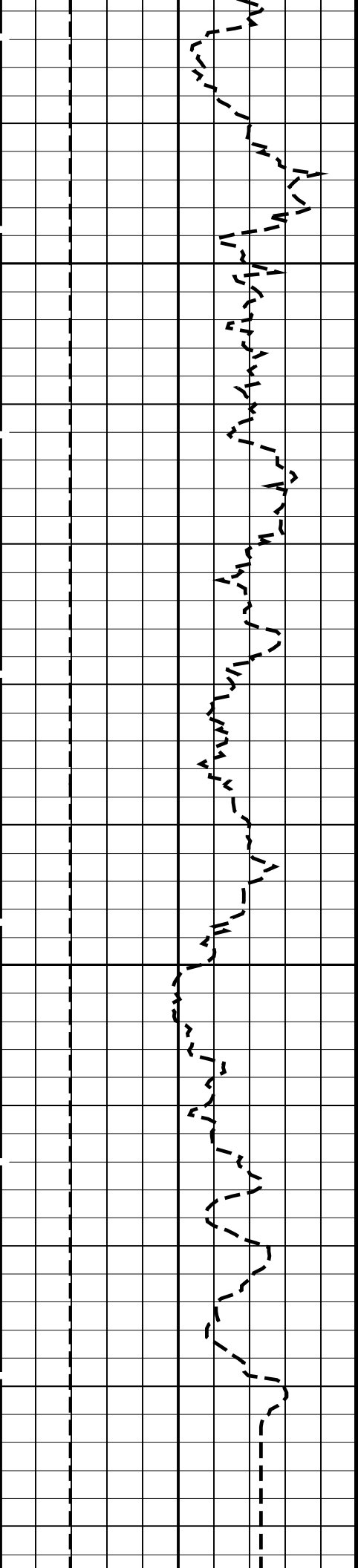




1175

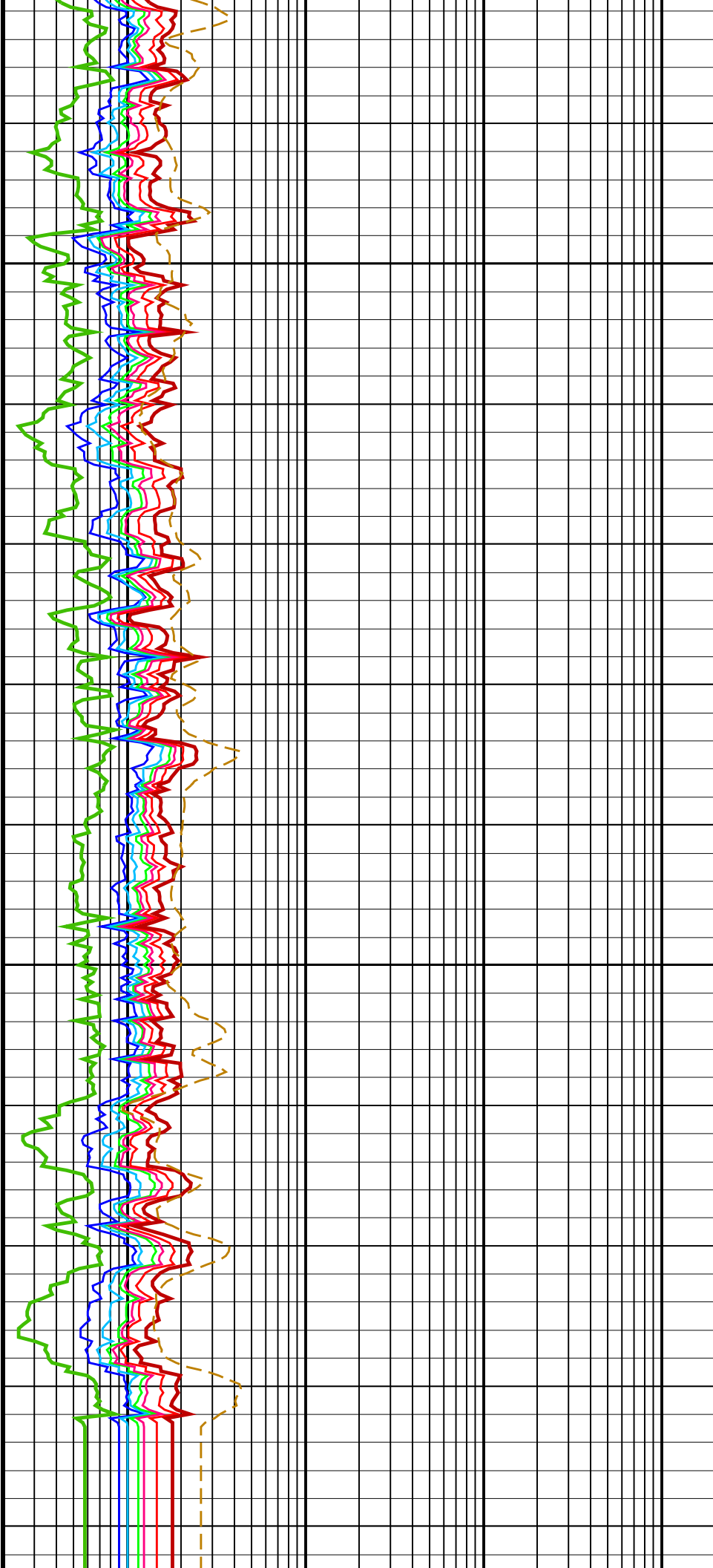
1200

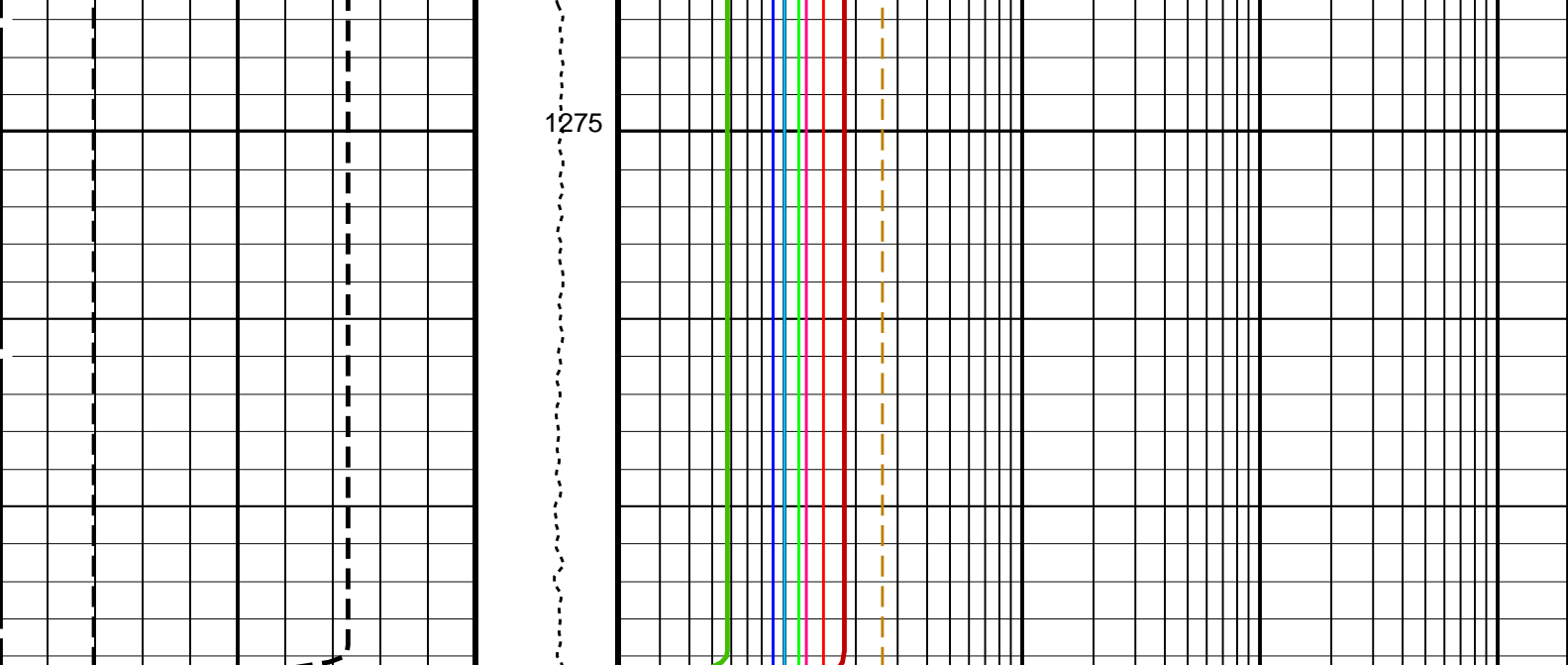




1225

1250





<div>Bit Size (BS) (IN)</div> <div>626</div> <div>Invasion Diameter (DI_HRLT) (IN)</div> <div>050</div>	<div>Tension (TENS) (LBF)</div> <div>100000</div>	HRLT Resistivity 1 (RLA1) (OHMM)		2000
		HRLT Resistivity 2 (RLA2) (OHMM)		2000
		HRLT Resistivity 3 (RLA3) (OHMM)		2000
		HRLT Resistivity 4 (RLA4) (OHMM)		2000
		HRLT Resistivity 5 (RLA5) (OHMM)		2000
		HRLT Mud Resistivity (RM_HRLT) (OHMM)		200
		Invaded Zone Resistivity (RXO_HRLT) (OHMM)		2000
		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	
PROCINV	Inversion Selection	ON	
PROCML	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	

PROC	SPO	Sonde Position	Centered	68	DEGF
SHT		Surface Hole Temperature			
	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	9.875	IN	
MST		Mud Sample Temperature	23.00	DEGC	
TD		Total Depth	10190.3	FT	

Format: HRLT

Vertical Scale: 1:200

Graphics File Created: 11-Jan-2024 20:07

OP System Version: 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	DSI_HRLA_LDL_NGS_013LUP	FN:12	PRODUCER	11-Jan-2024 20:07	

Company: International Ocean Discovery Program

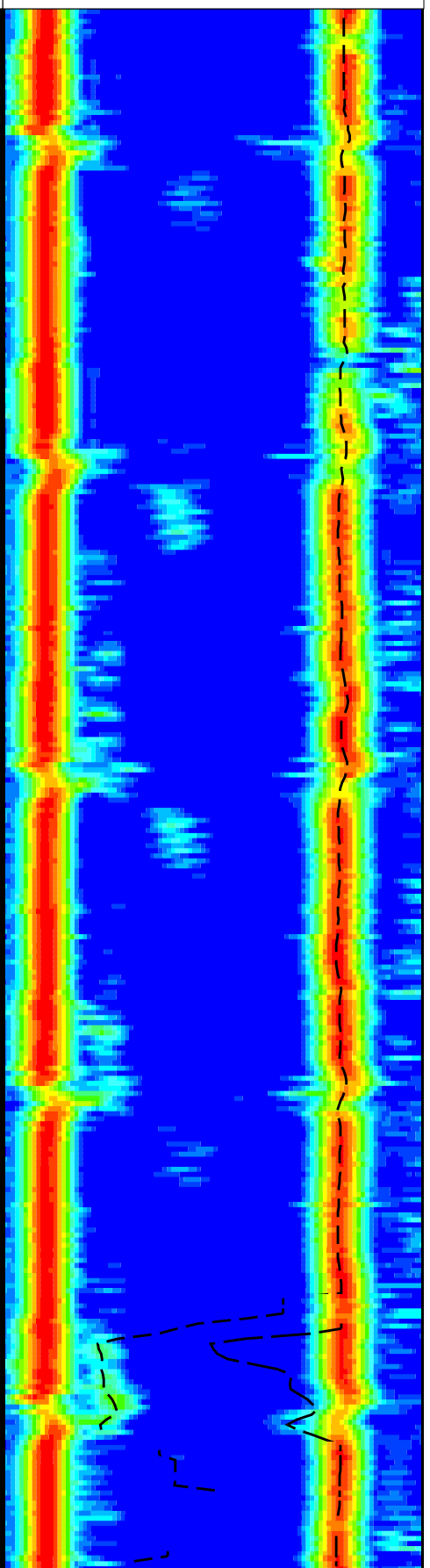
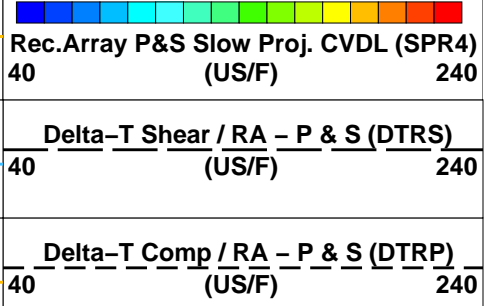
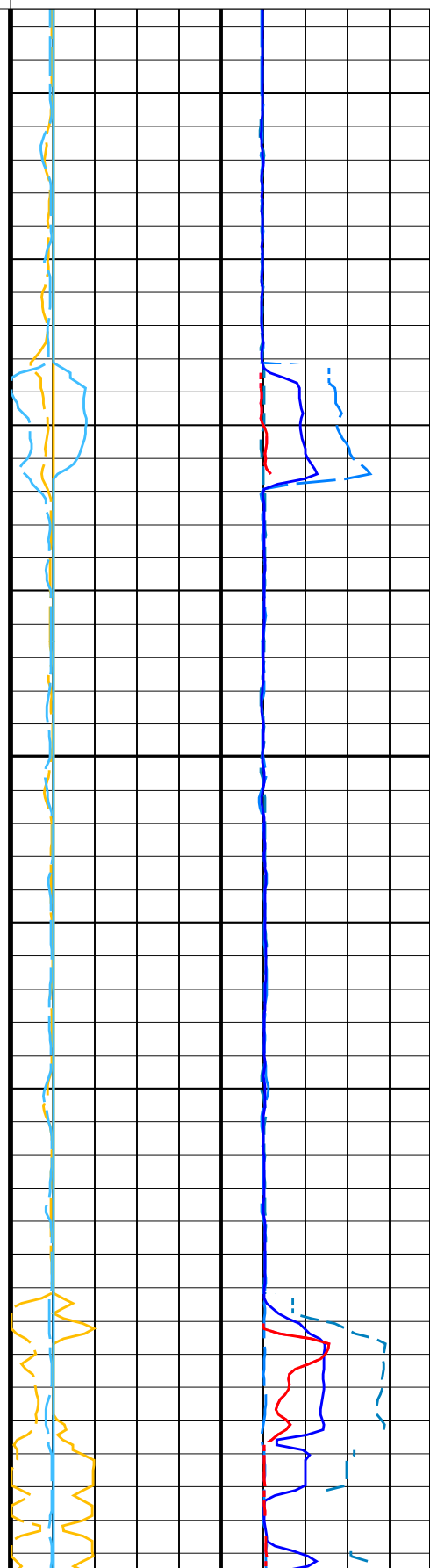
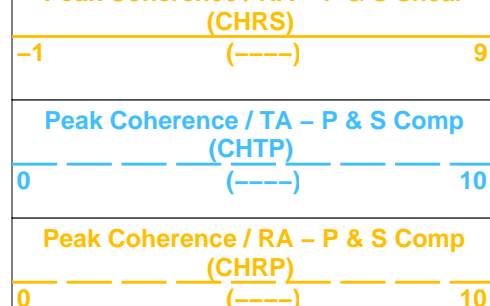
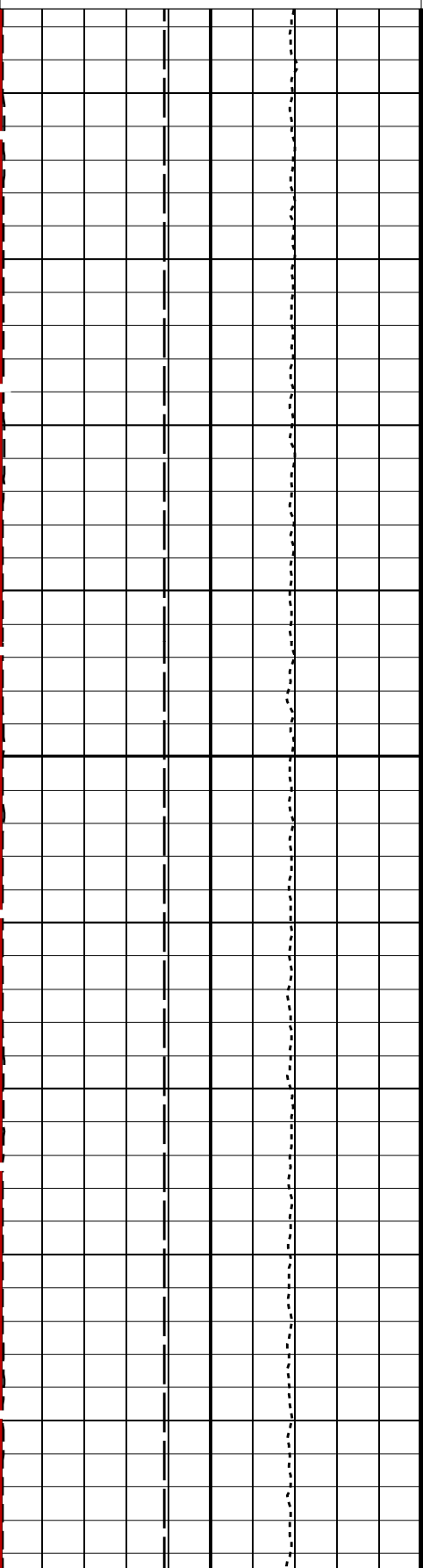
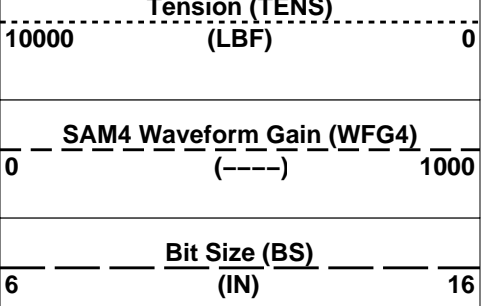
Well: Expedition 401, Site U1610A

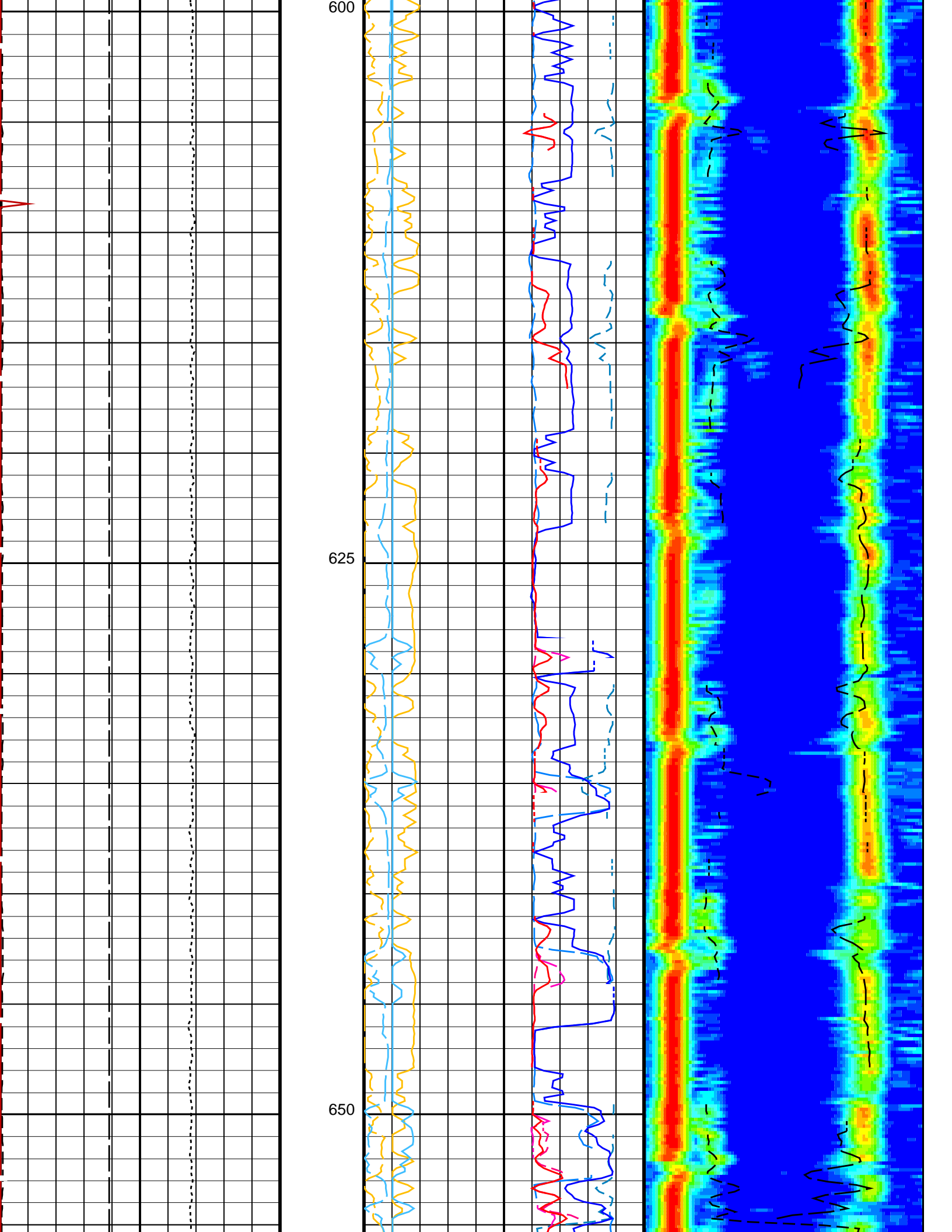
Output DLIS Files					
DEFAULT	DSI_HRLA_LDL_NGS_013LUP	FN:12	PRODUCER	11-Jan-2024 20:07	1289.3 M 552.5 M
OP System Version: 19C0-187					
DSST-B	19C0-187	HRLT-B	19C0-187		
HLDS	19C0-187	LDSC-B	19C0-187		
HNGC-B	19C0-187	HNGS-BA	19C0-187		
EDTC-B	19C0-187				

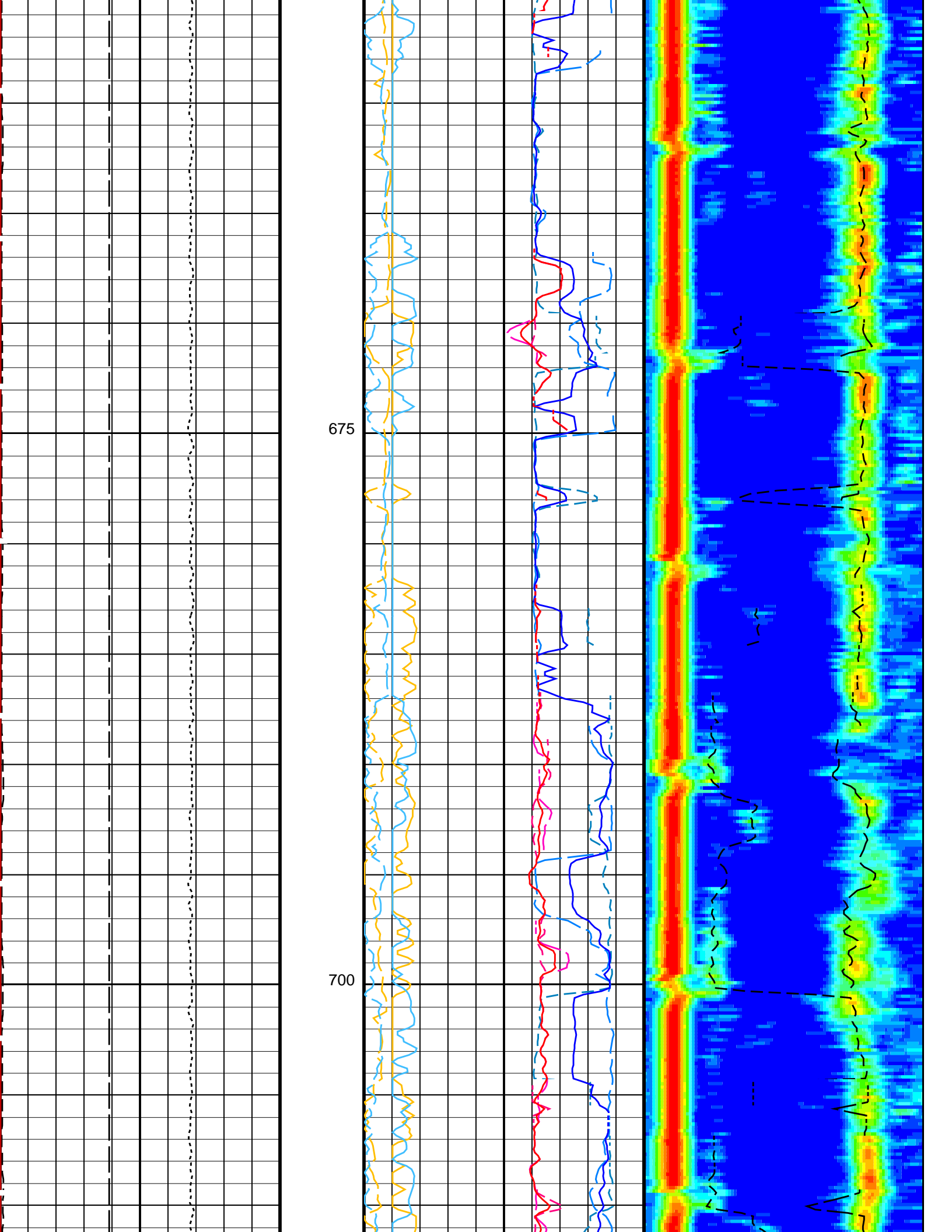
PIP SUMMARY

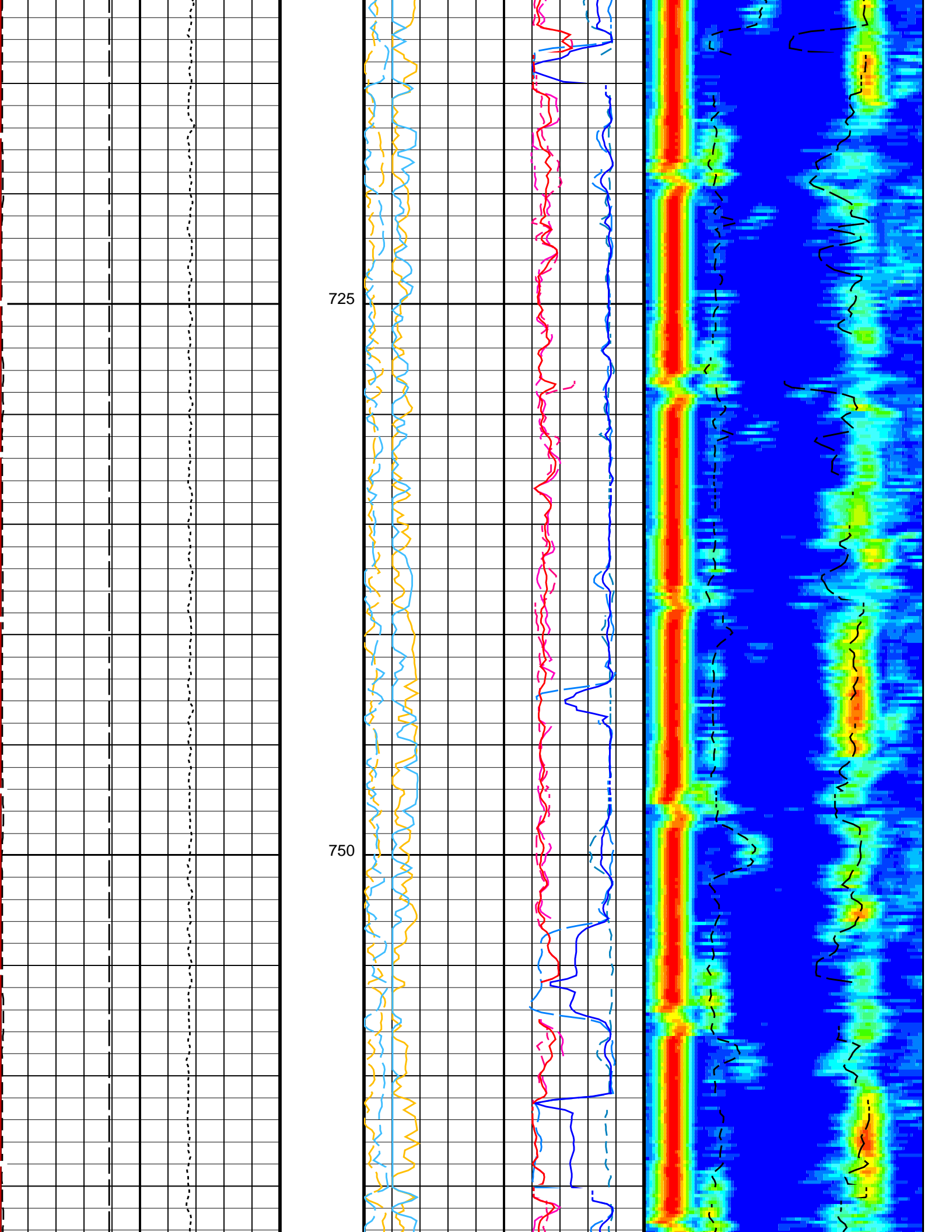
Time Mark Every 60 S

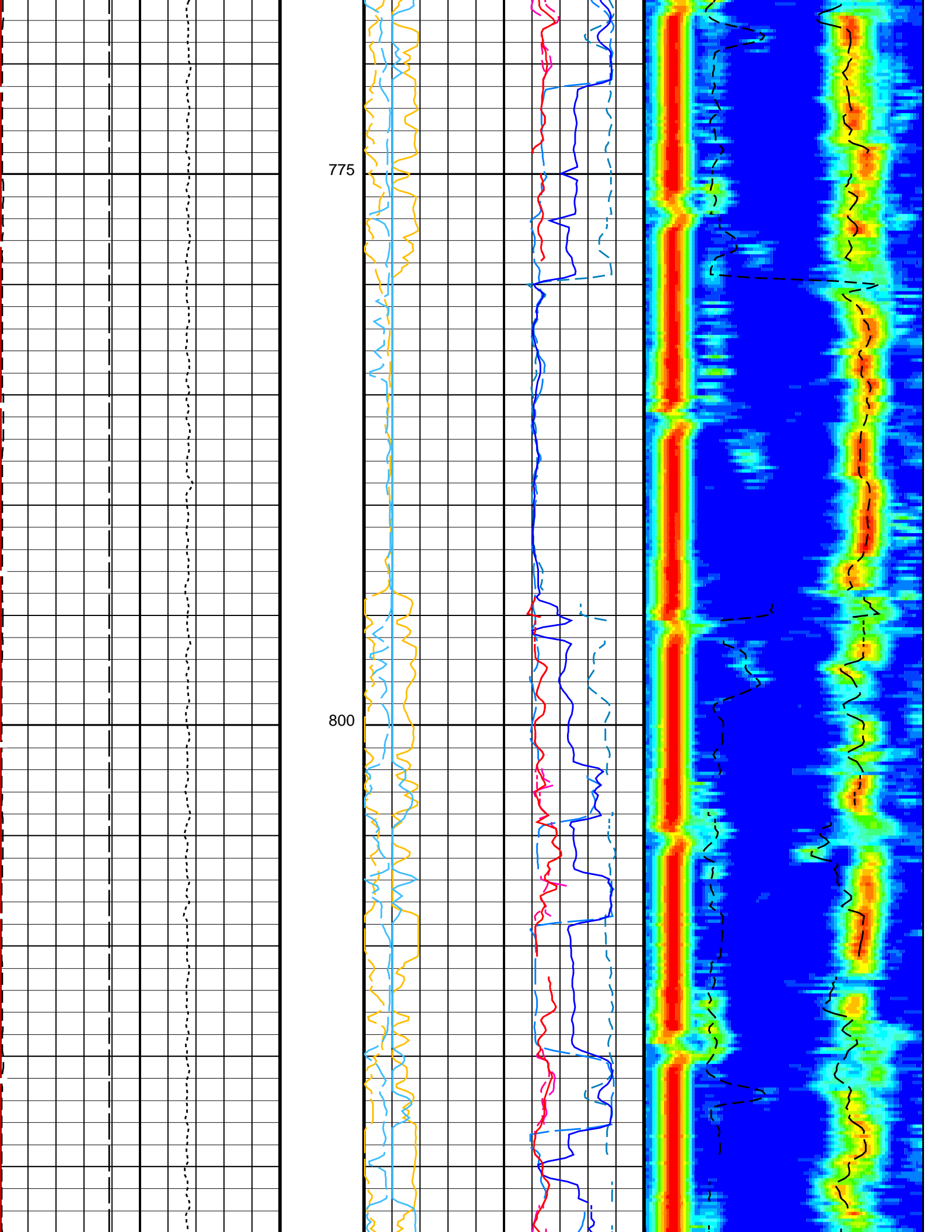
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		440 (US/F) 40	
		Delta-T Shear / TA - P & S (DTTS)	
		440 (US/F) 40	
		Delta-T Shear / RA - P & S (DTRS)	
		440 (US/F) 40	
		Delta-T Comp - P & S (DT4P)	
Waveform Data Copy Indicator 4 - Monopole P&S (WCI4)		440 (US/F) 40	
		Delta-T Comp / TA - P & S (DTPP)	
		440 (US/F) 40	
		Delta-T Comp / RA - P & S (DTRP)	
		440 (US/F) 40	
		Peak Coherence / TA - P & S Shear (CHTS)	
0 (----) 10		-1 (----) 9	
		Peak Coherence / RA - P & S Shear	Min Amplitude Max

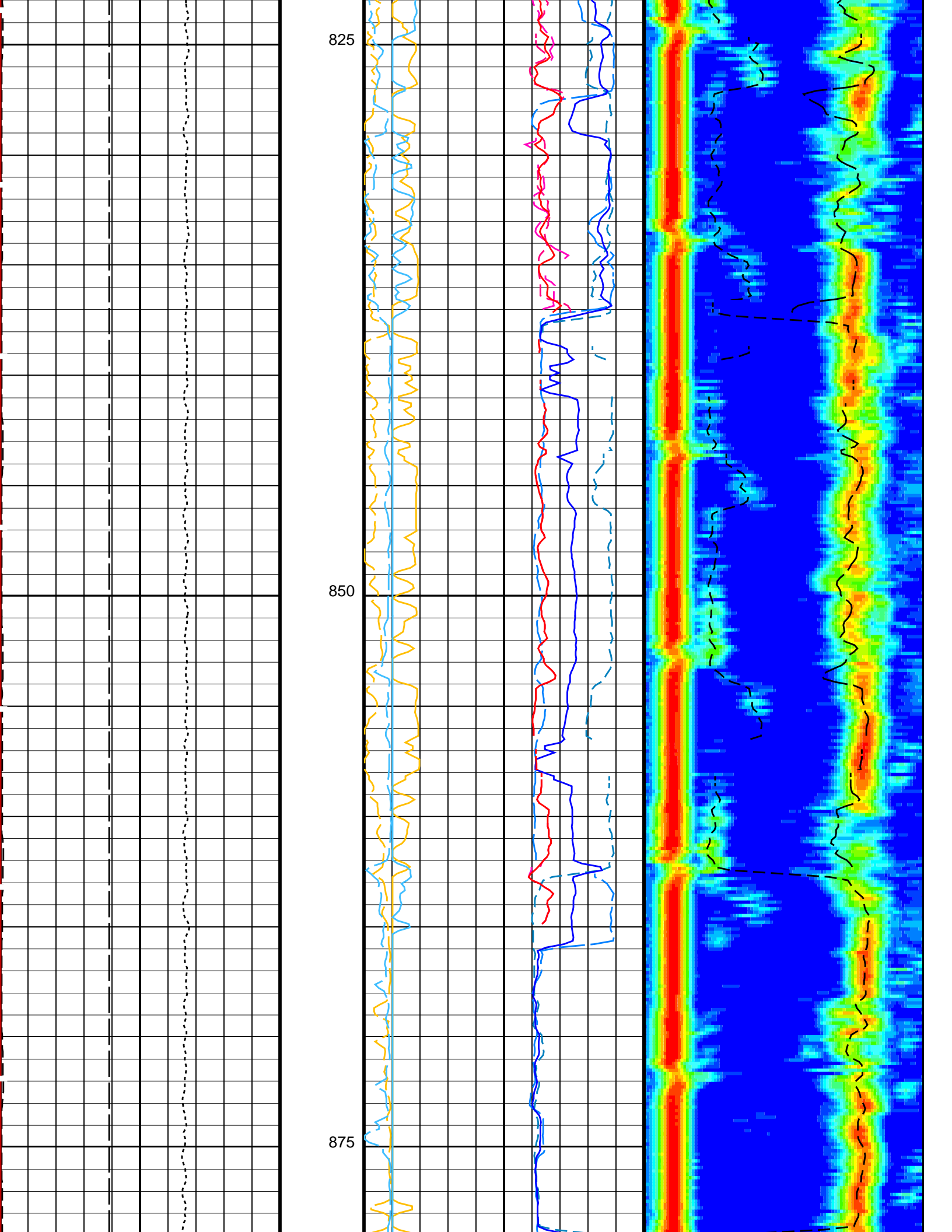


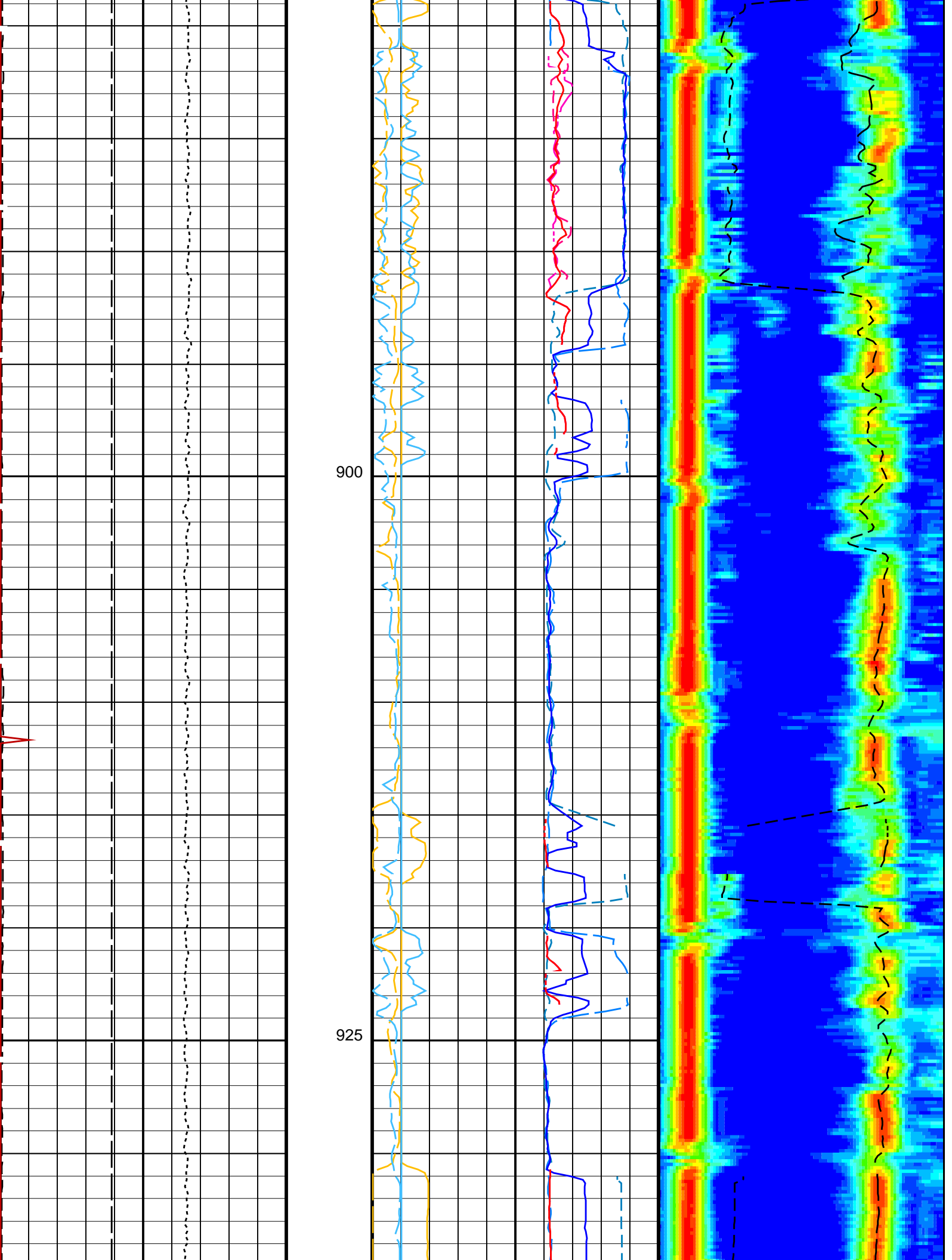


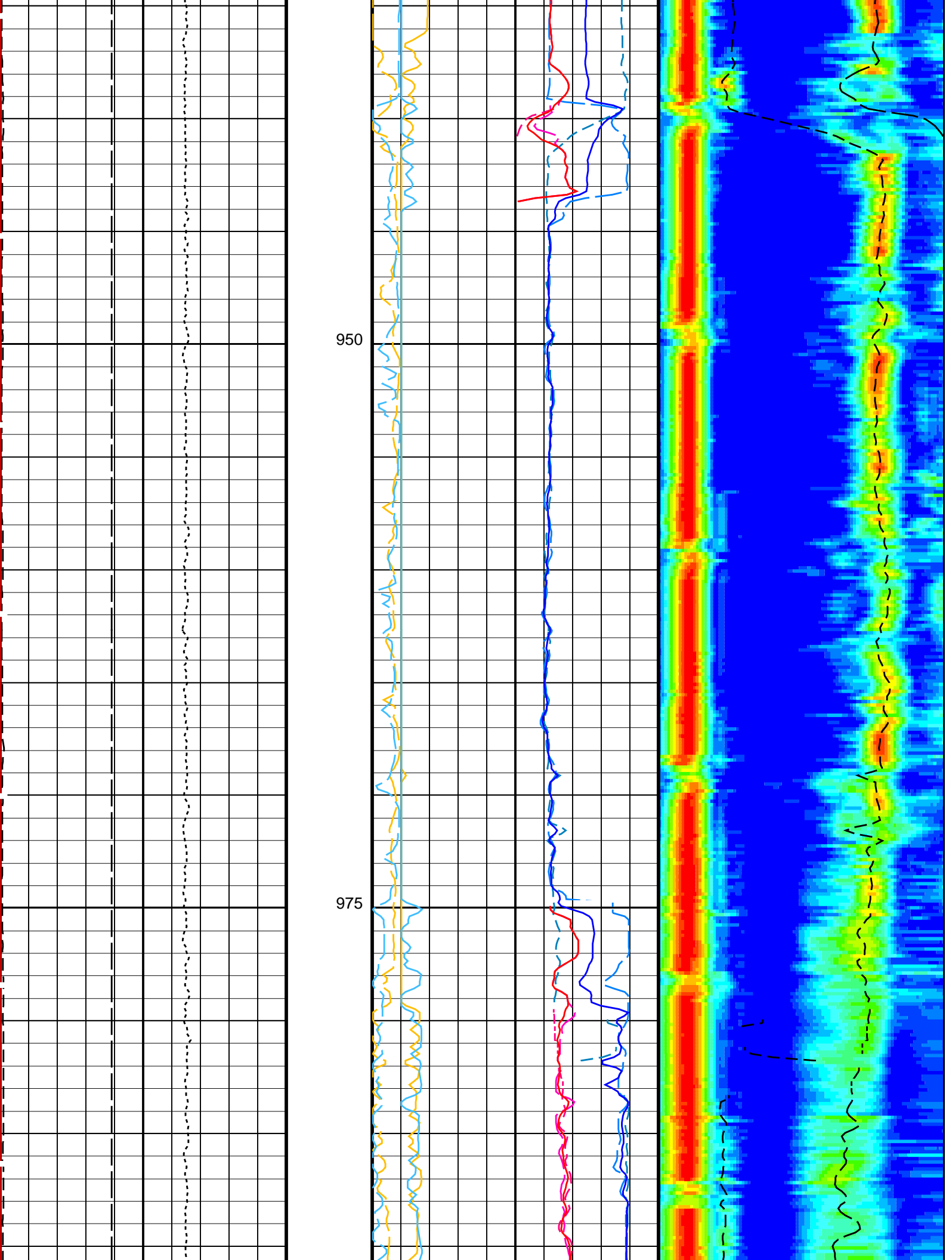


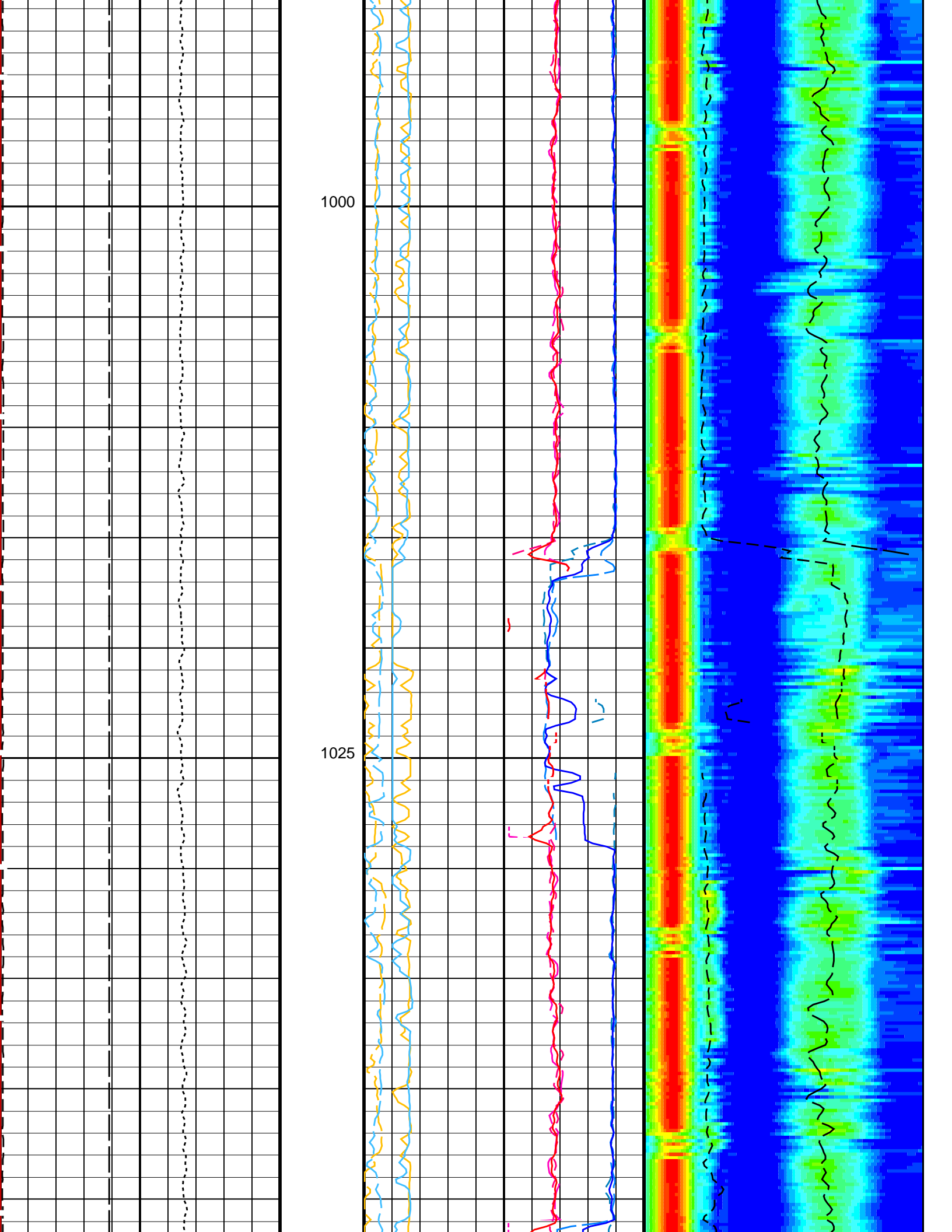


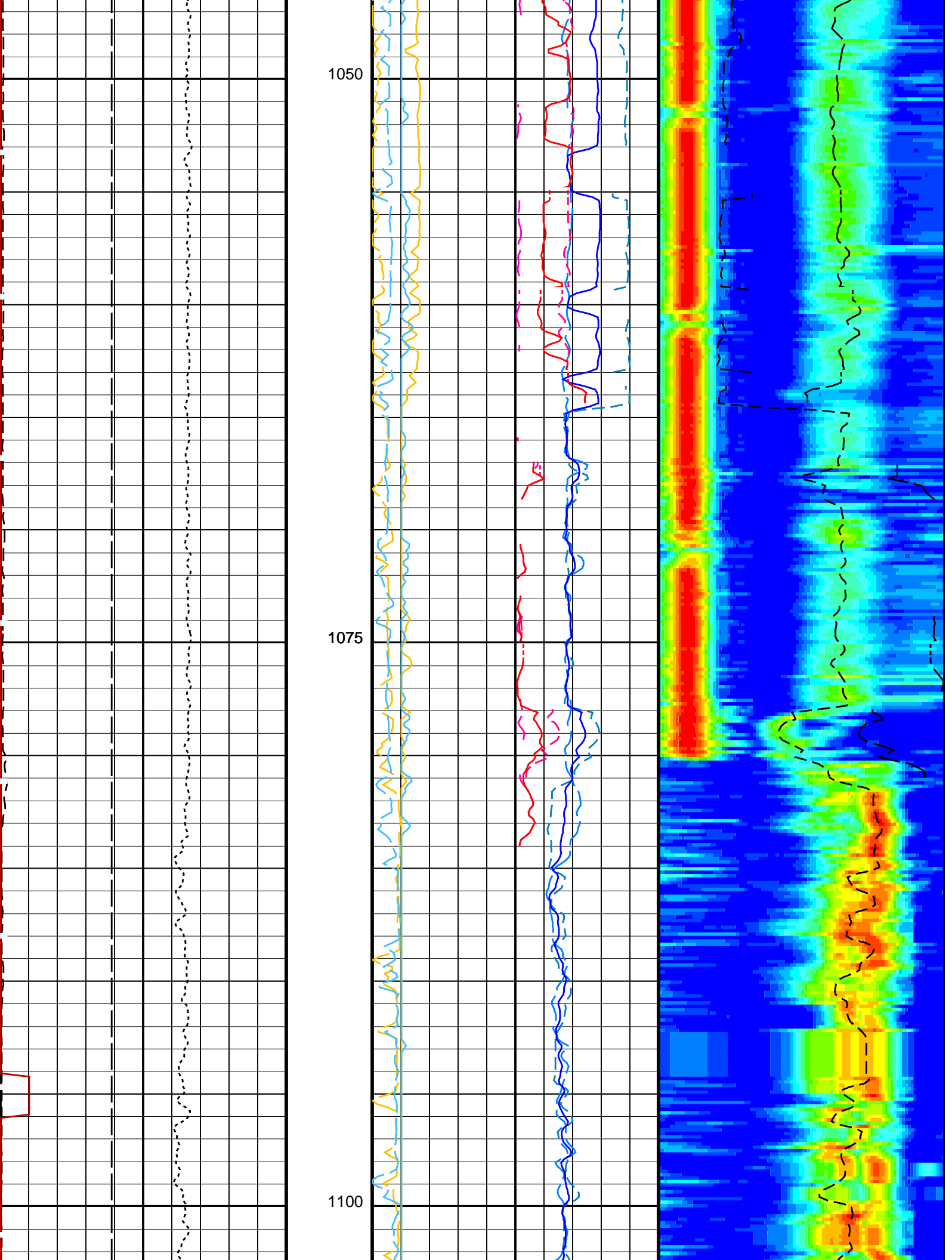


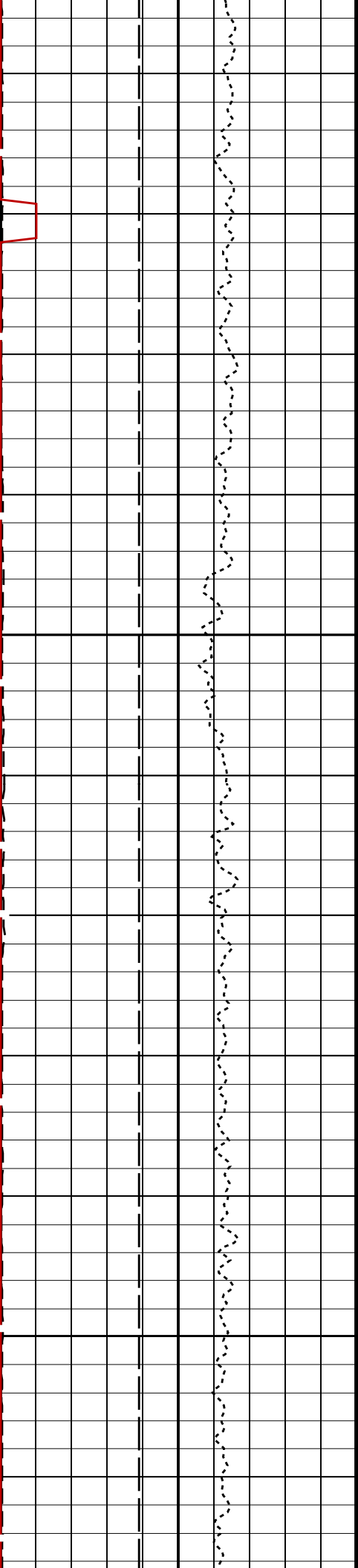






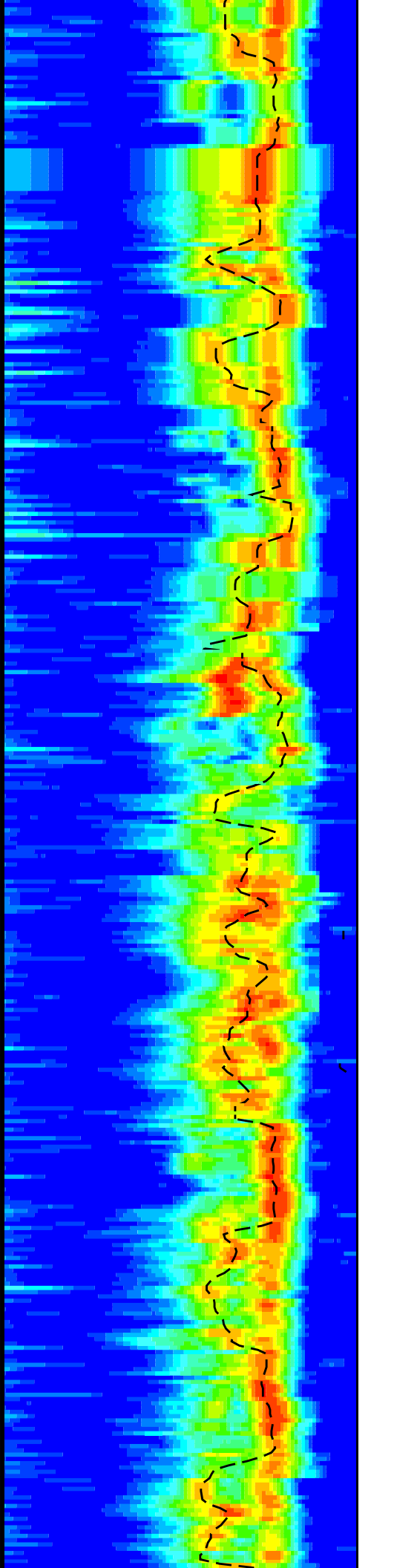
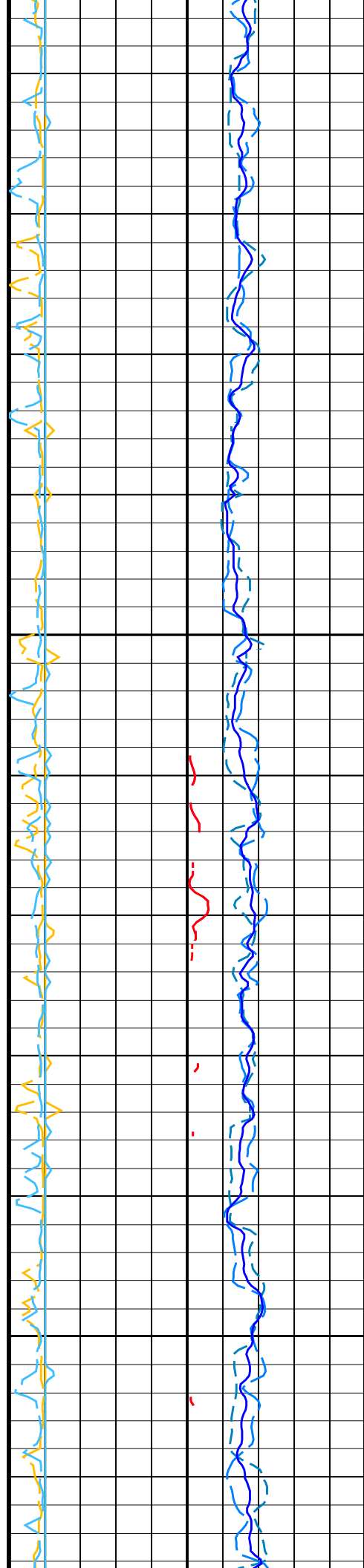


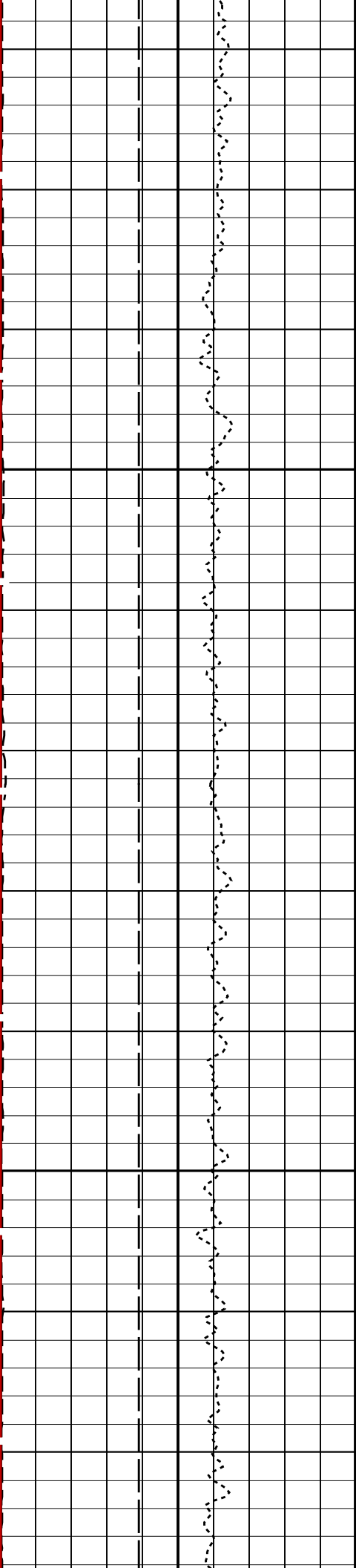




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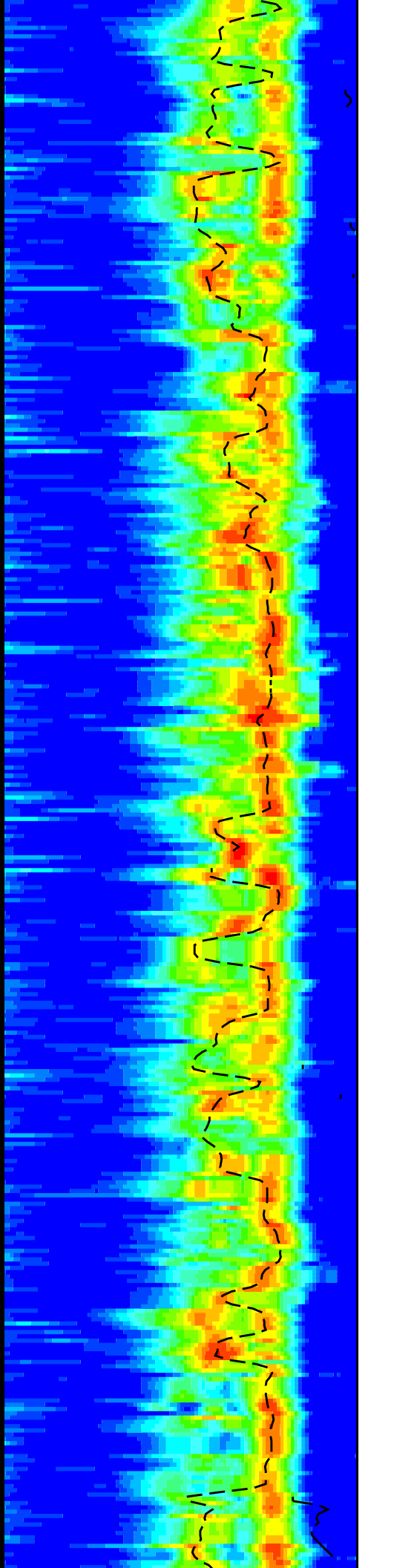
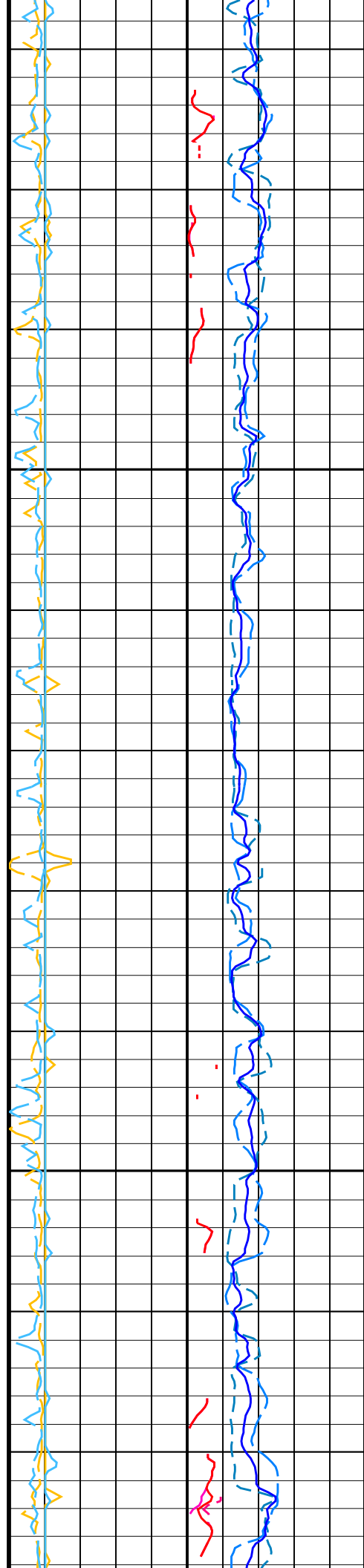
1150

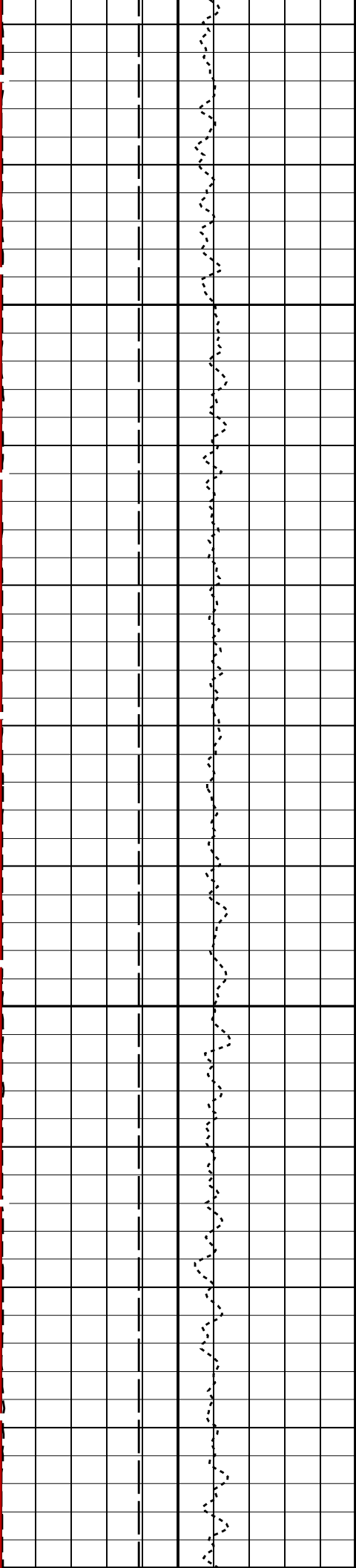




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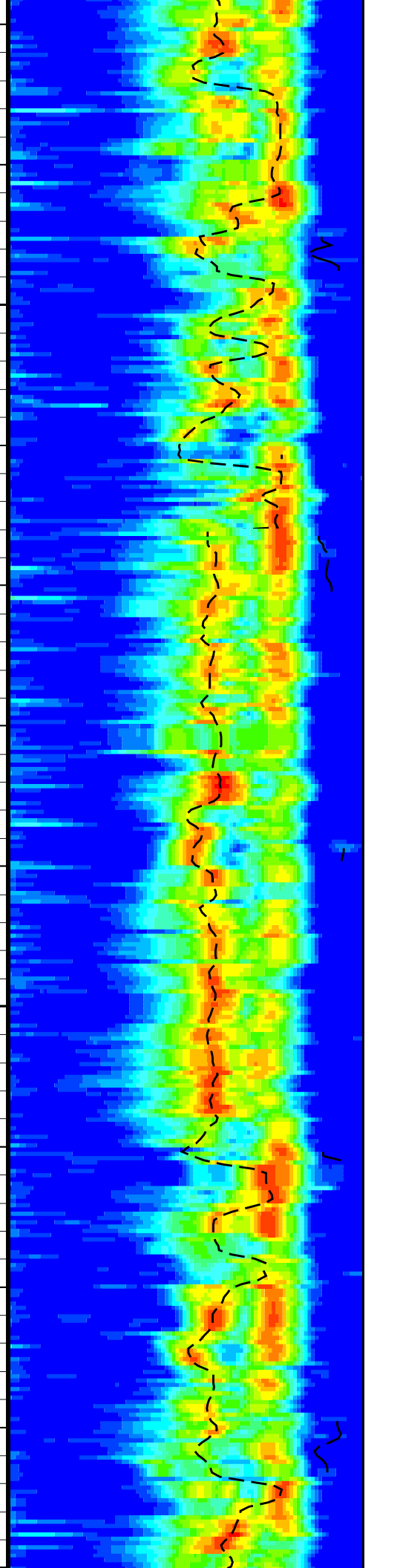
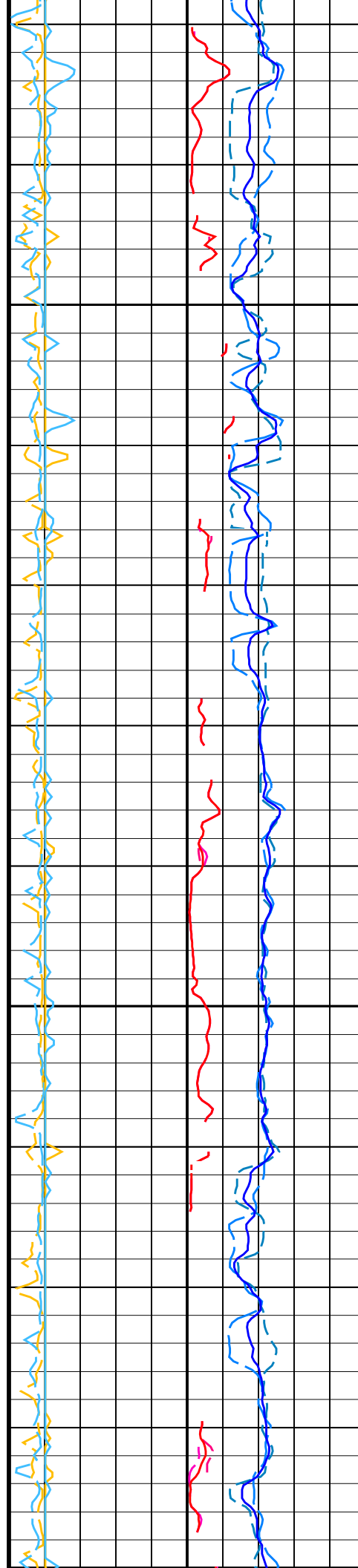
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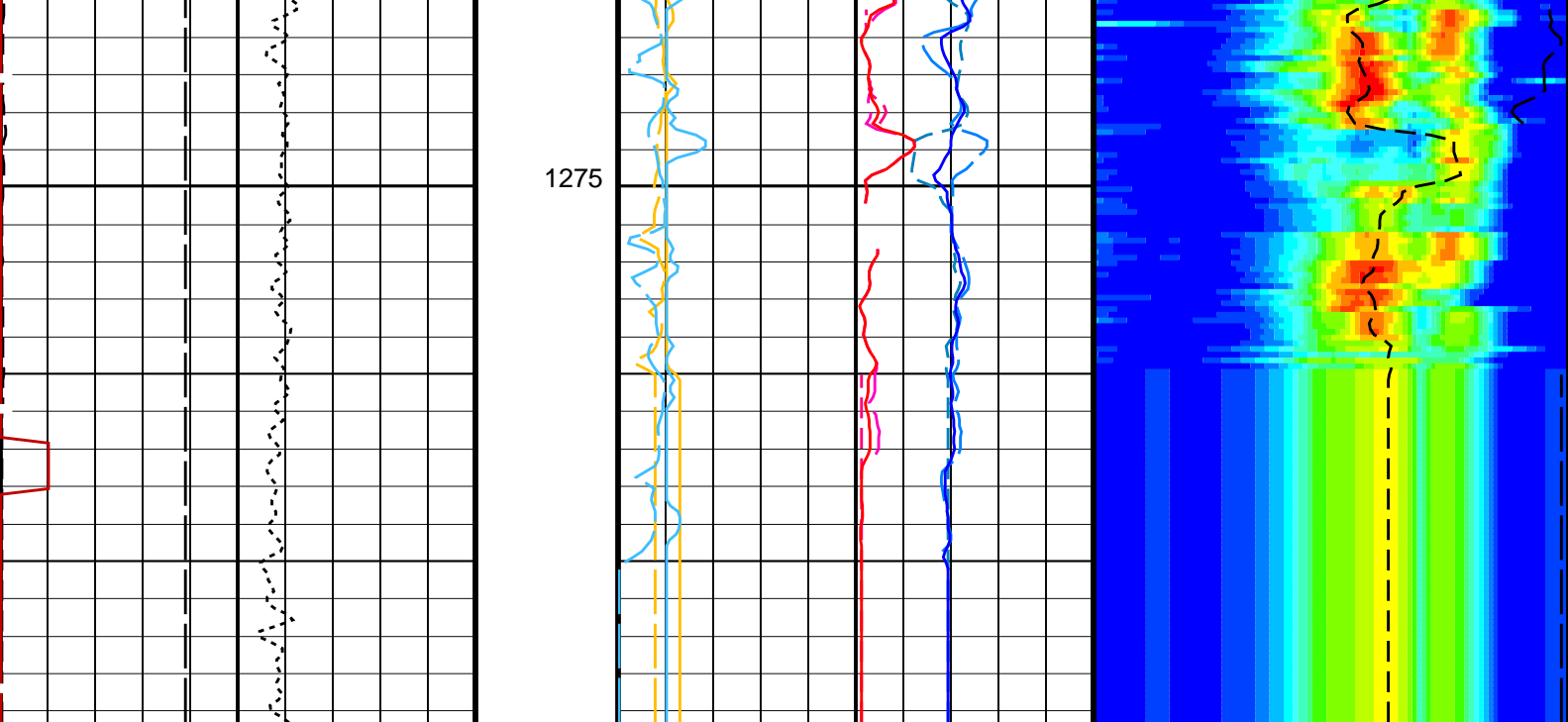




1225

1250





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

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	80 US/F
COUL	Label Slowness Upper Limit – Monopole P&S Compressional	240 US/F
DDF4	Digitizing Delay 4	0 US

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	MFD_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	80	US/F
SHUL	Label Slowness Upper Limit – Monopole P&S Shear	240	US/F
SLL4	STC Slowness Lower Limit – Monopole P&S	40	US/F
SST4	STC Slowness Step – Monopole P&S	2	US/F
SSW4	STC Source Waveform – Monopole P&S	WF_SAM4	
STLL	Label Slowness Lower Limit – Monopole Stoneley	180	US/F
STUL	Label Slowness Upper Limit – Monopole Stoneley	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	
BHS	HRLT–B: High Resolution Laterolog Array – B		
BHS	Borehole Status	OPEN	
BHS	HNGS–BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
BHS	EDTC–B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN	
BS	System and Miscellaneous		
BS	Bit Size	9.875	IN

Format: DSST_P_S_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 11–Jan–2024 20:07

OP System Version: 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 DSI_HRLA_LDL_NGS_013LUP FN:12 PRODUCER 11–Jan–2024 20:07

Company: International Ocean Discovery Program Well: Expedition 401, Site U1610A

Output DLIS Files

DEFAULT DSI_HRLA_LDL_NGS_013LUP FN:12 PRODUCER 11–Jan–2024 20:07 1289.3 M 552.5 M

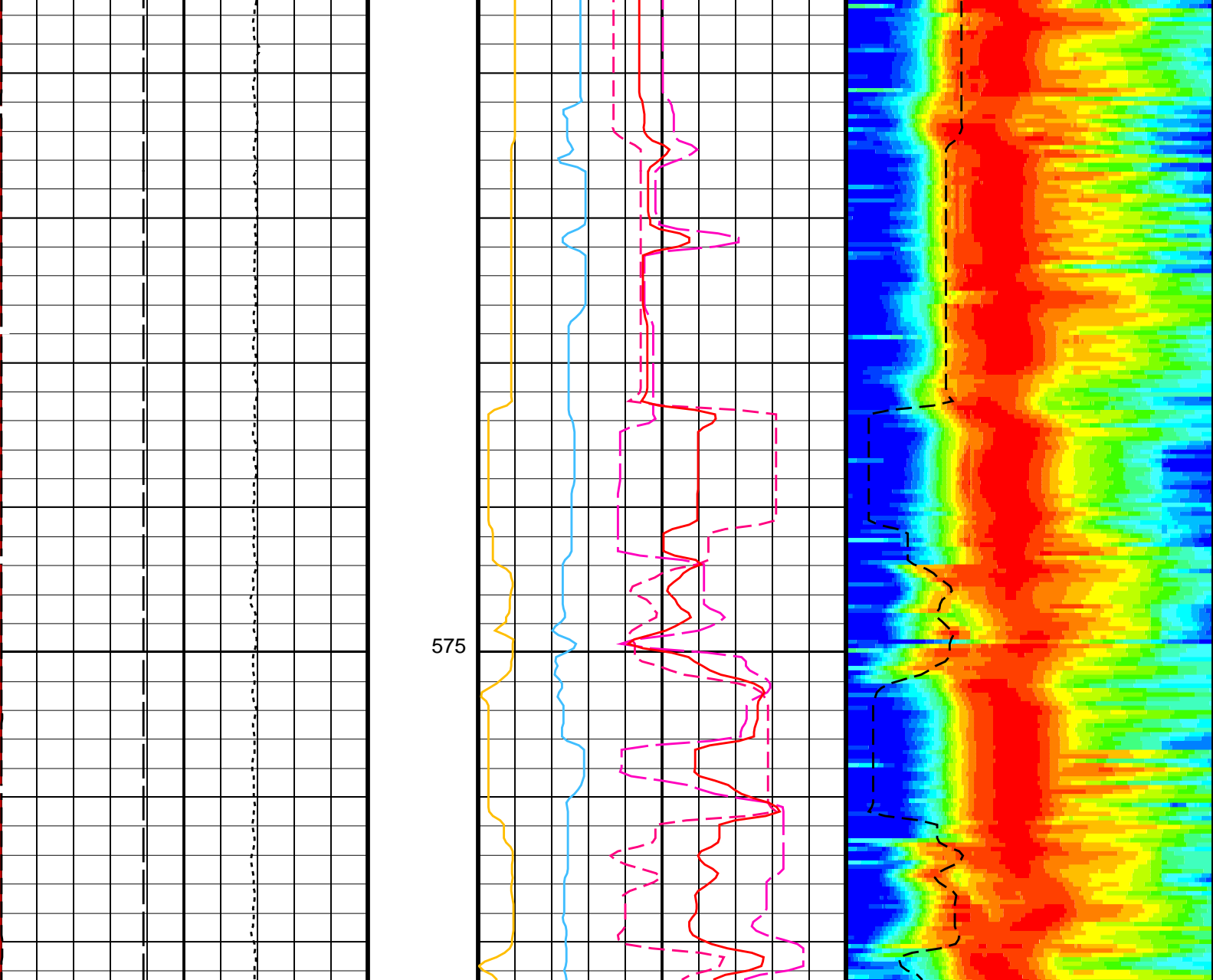
OP System Version: 19C0–187

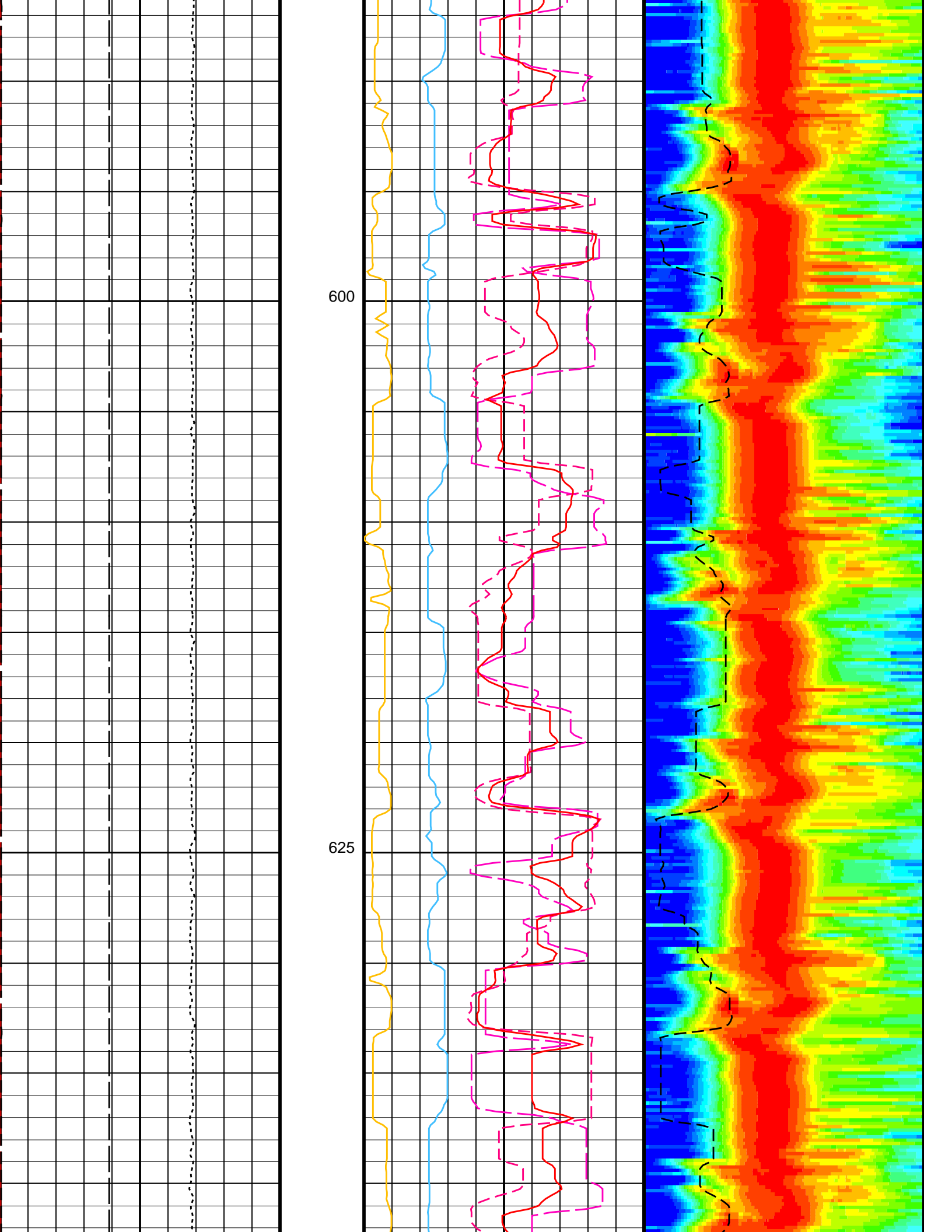
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HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

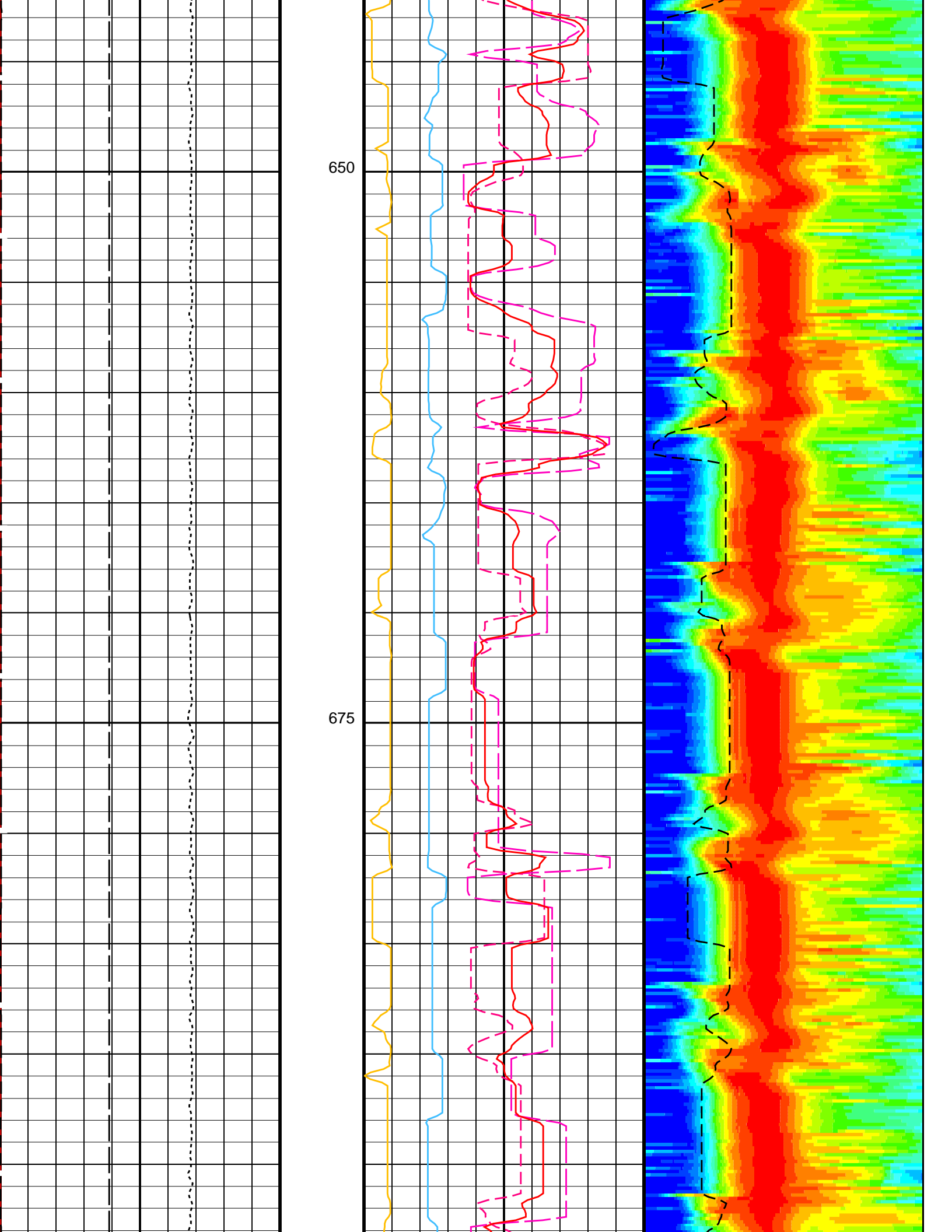
PIP SUMMARY

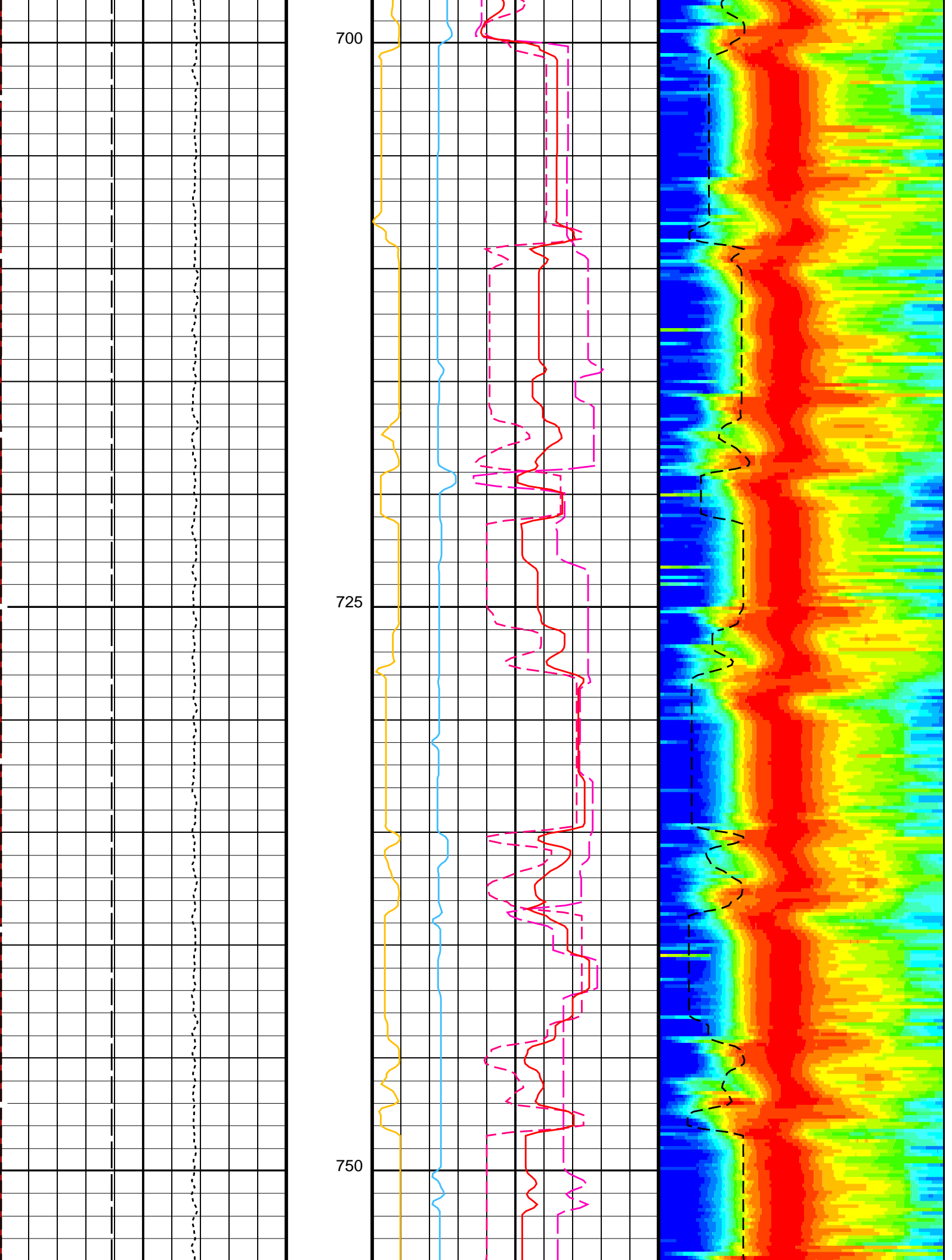
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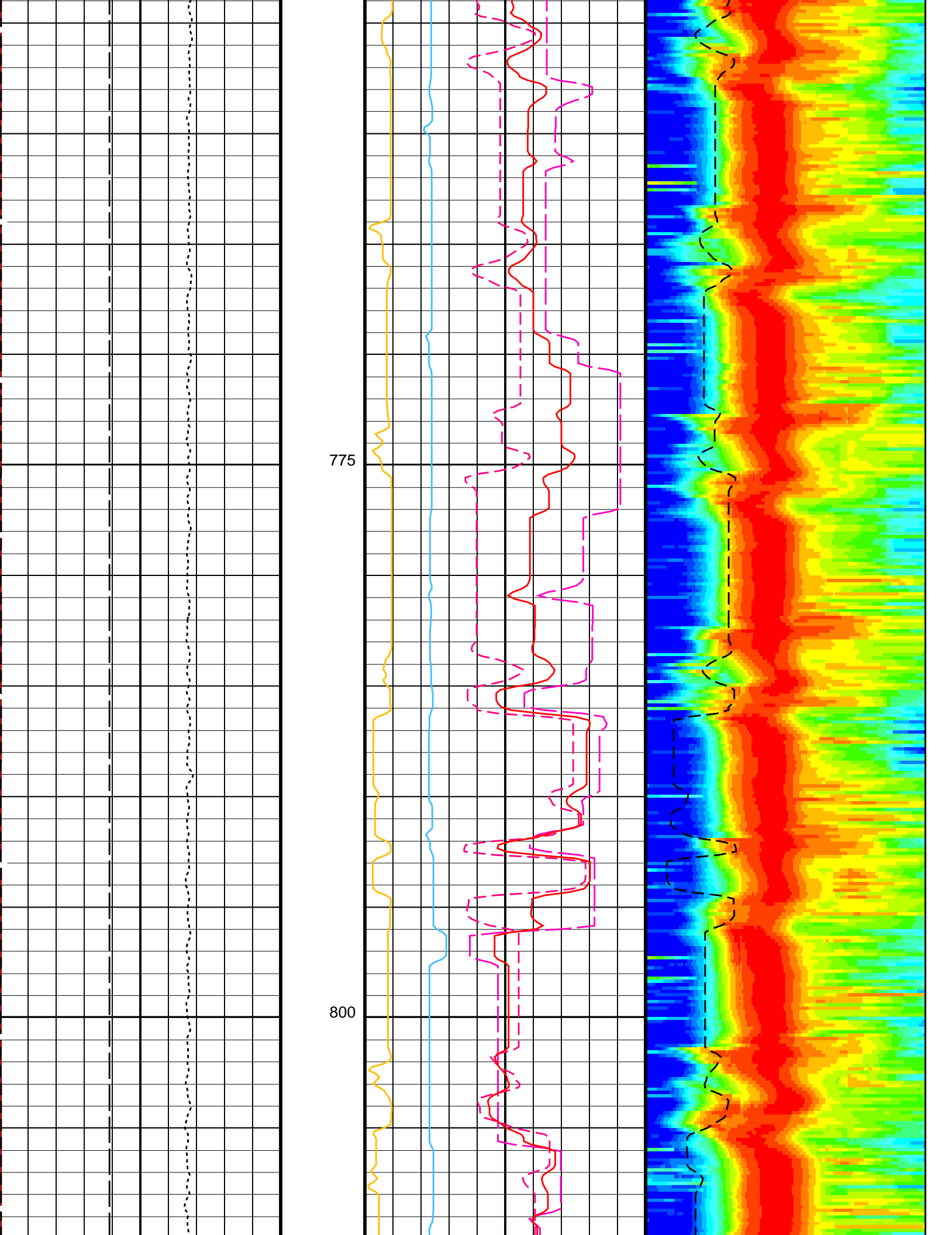
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<div>Waveform Data Copy Indicator 2 - Upper Dipole (WC12) 0 (----) 10</div>	<div>Delta-T Shear / TA - Upper Dipole (DT2T) 440 (US/F) 40</div>	
<div>Tension (TENS) 10000 (LBF) 0</div>	<div>Delta-T Shear / RA - Upper Dipole (DT2R) 440 (US/F) 40</div>	
<div>SAM2 Waveform Gain (WFG2) 0 (----) 1000</div>	<div>Peak Coherence / TA - Upper Dipole (CHT2) -2 (----) 8</div>	<div>Min Amplitude Max Rec.Array U.Dipole Slow Proj. CVDL (SPR2) (US/F) 75 775</div>
<div>Bit Size (BS) 6 (IN) 16</div>	<div>Peak Coherence / RA - Upper Dipole (CHR2) 0 (----) 10</div>	<div>Delta-T Shear / RA - Upper Dipole (DT2R) 75 (US/F) 775</div>

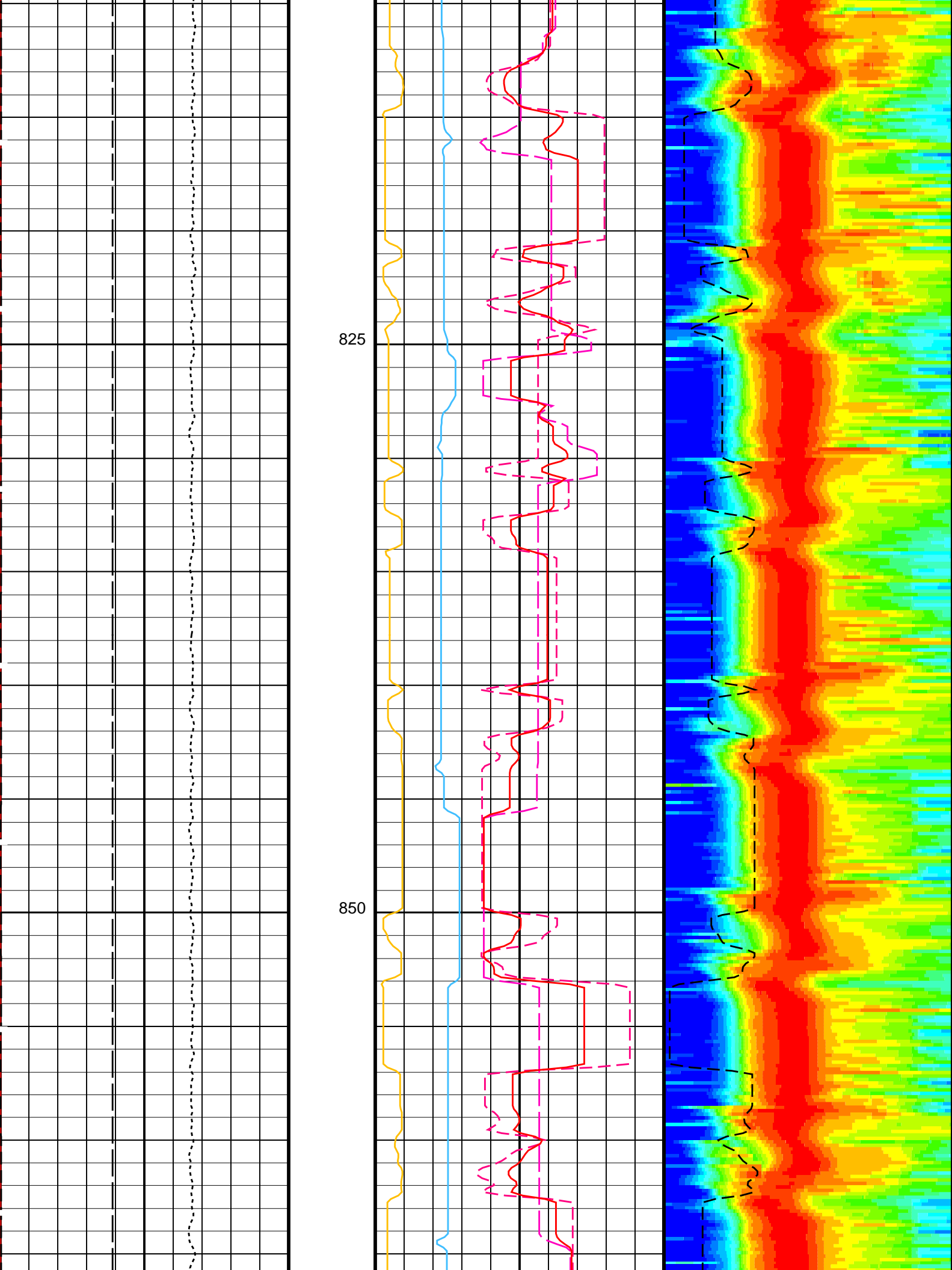


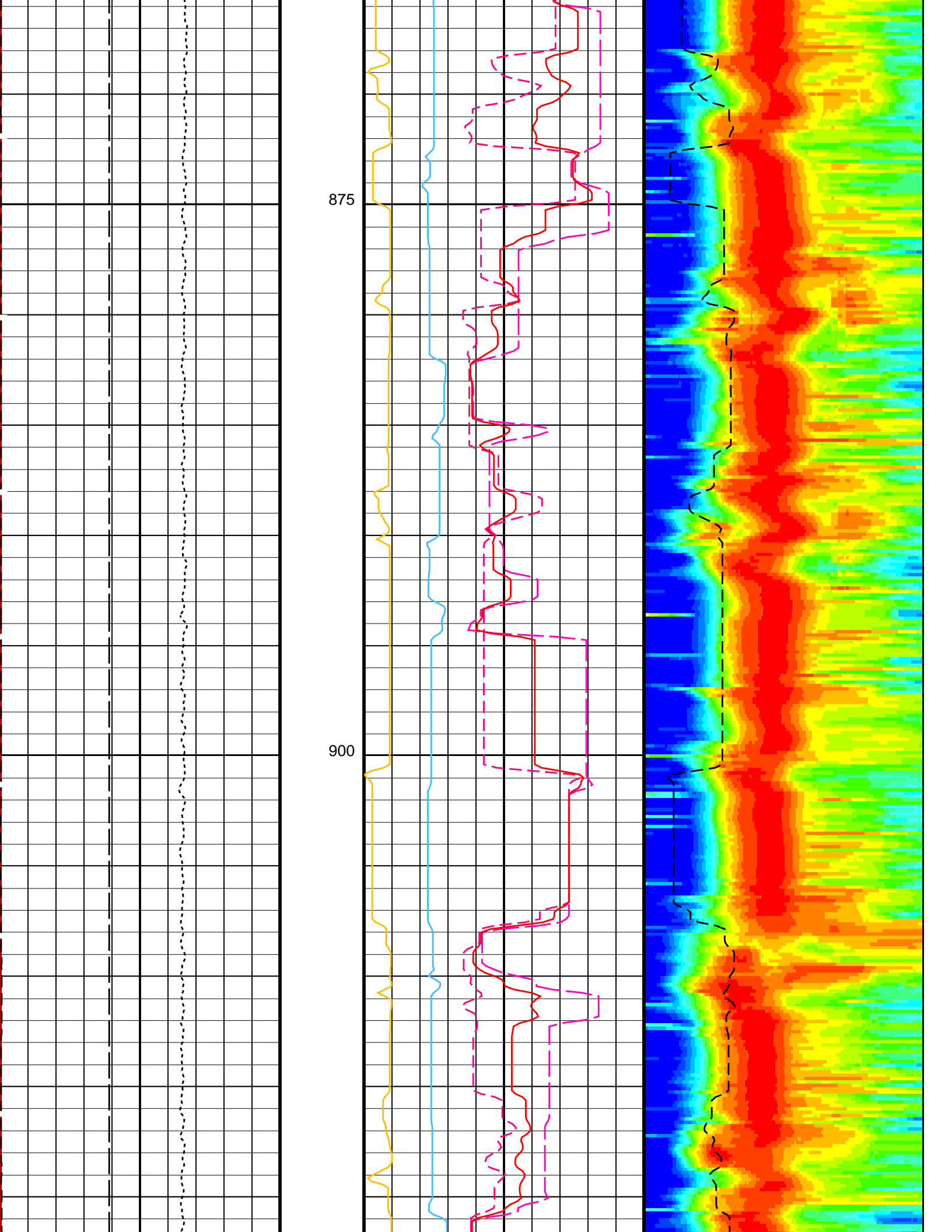


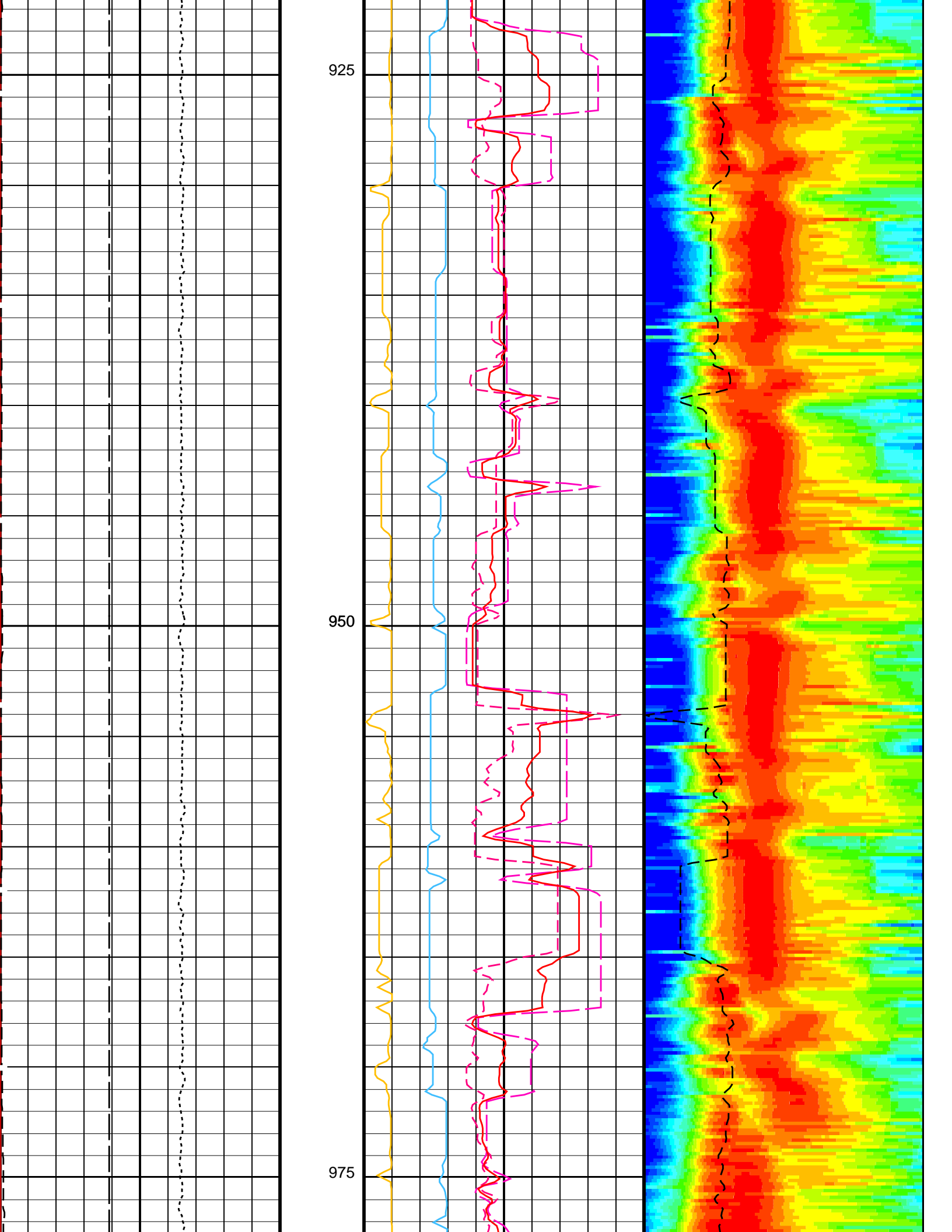


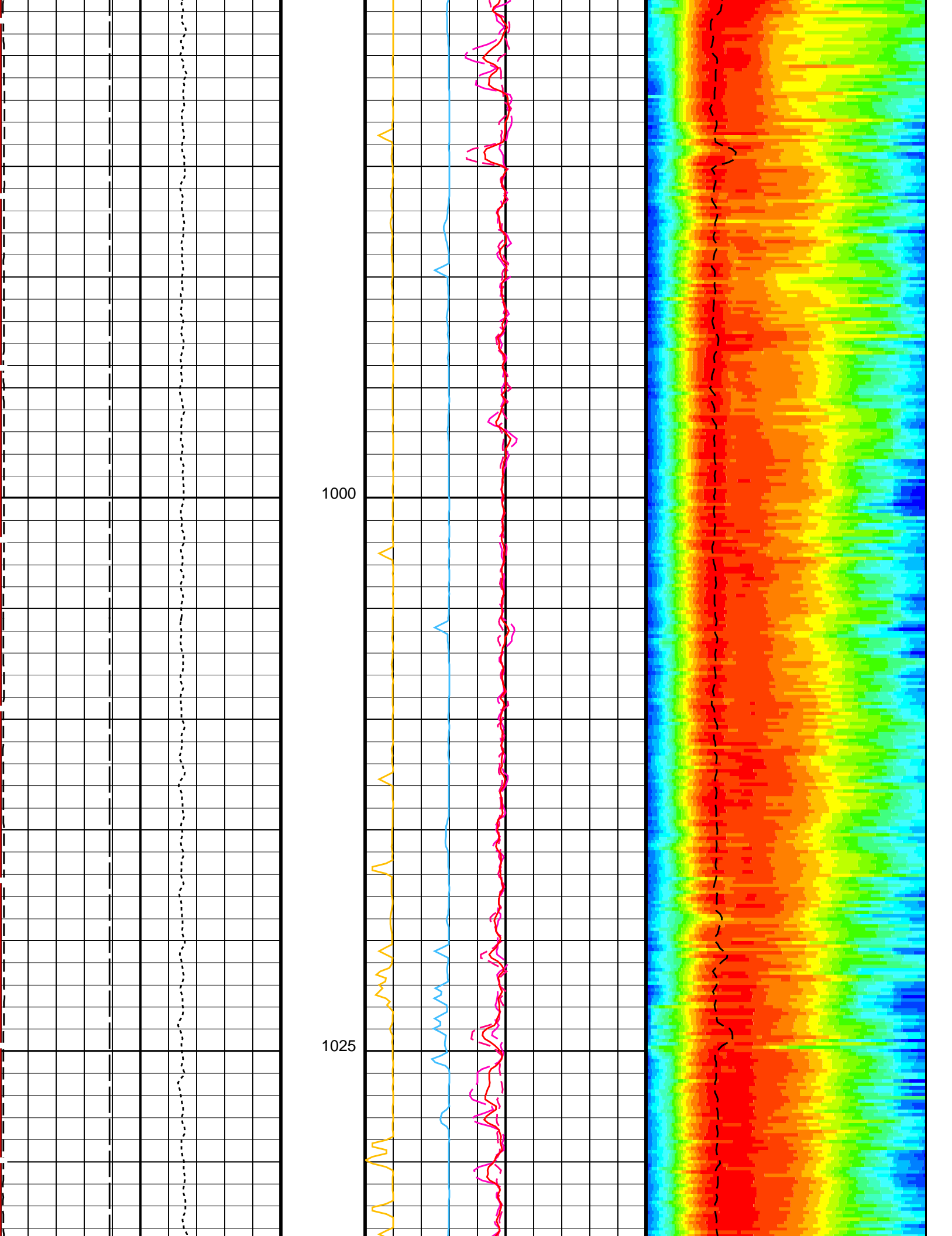


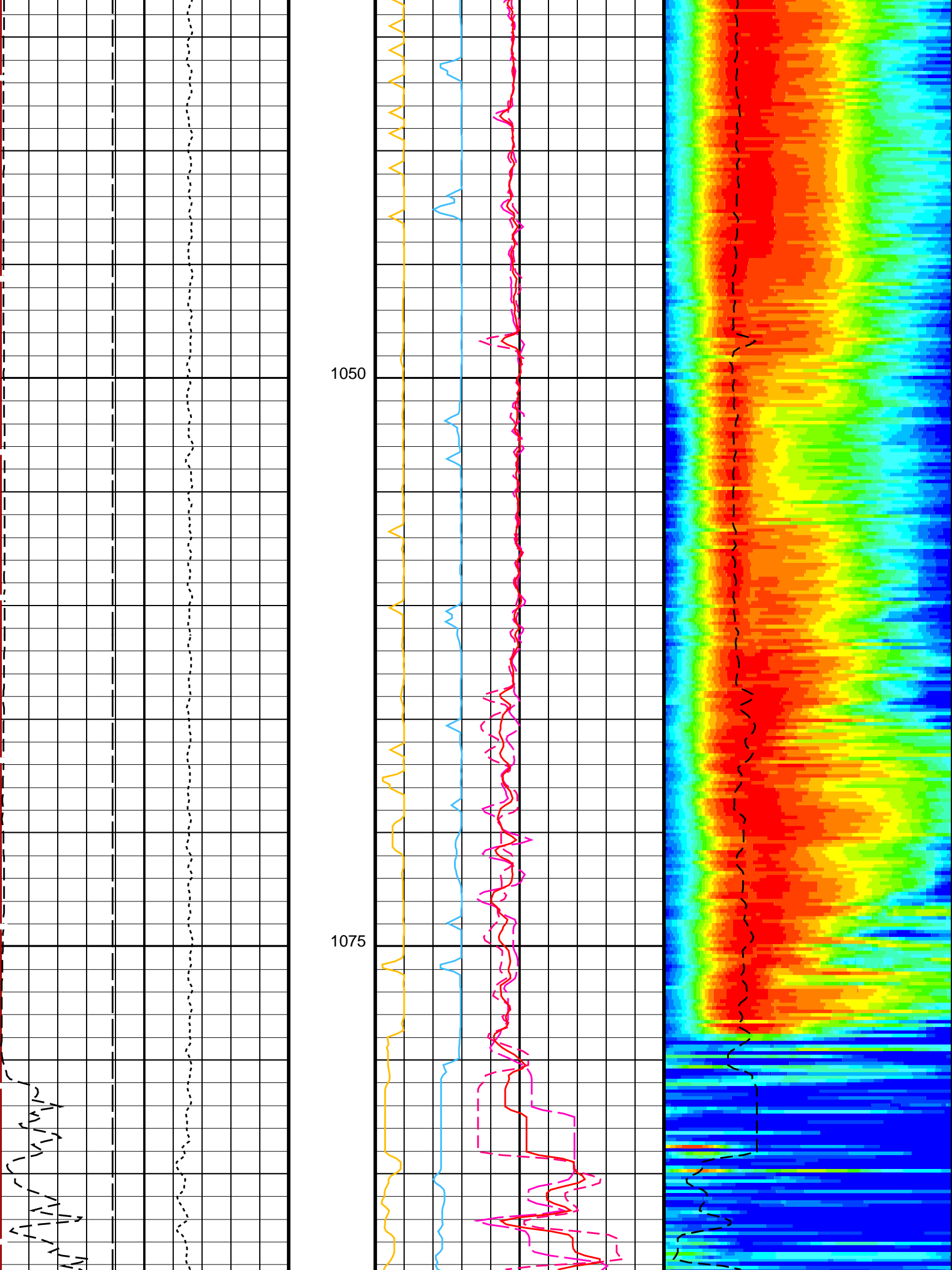


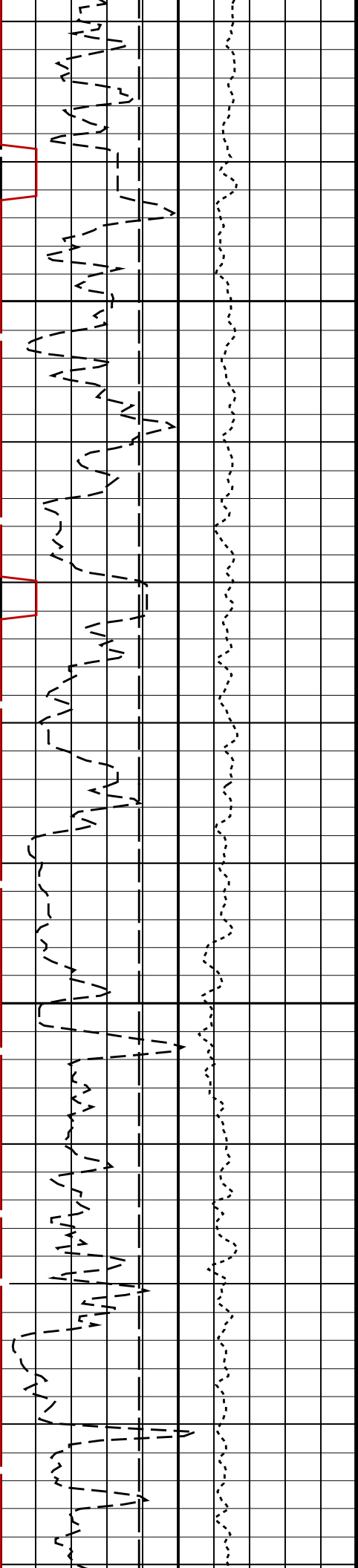






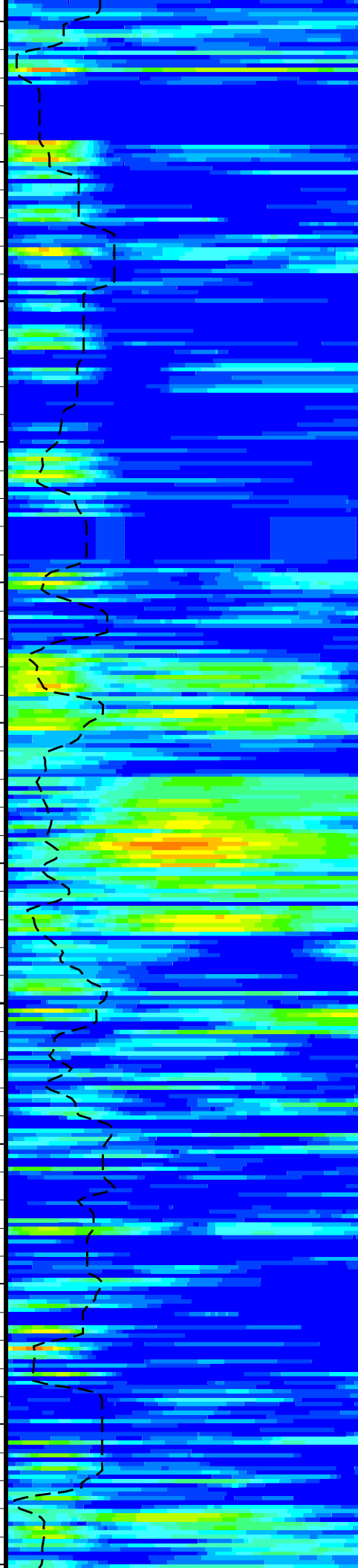


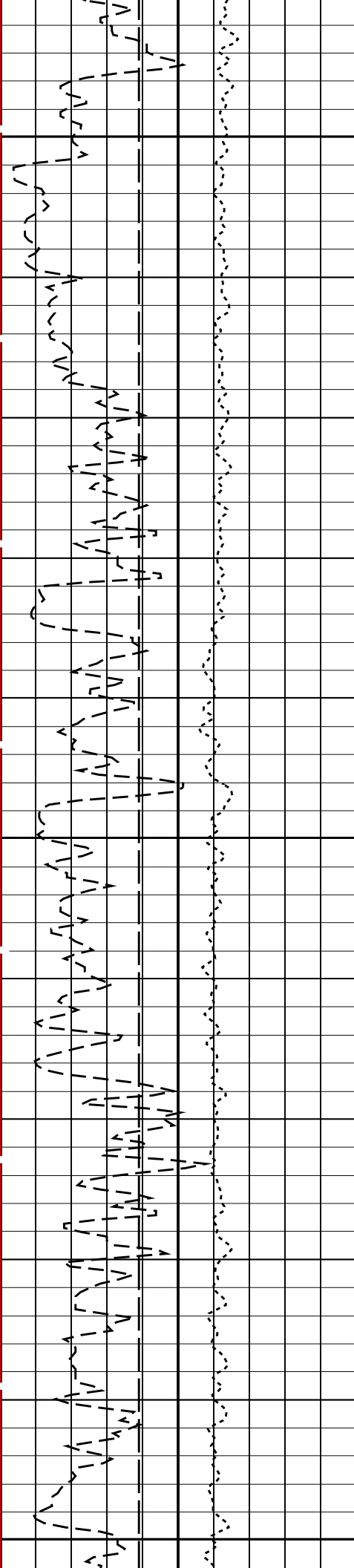




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1125

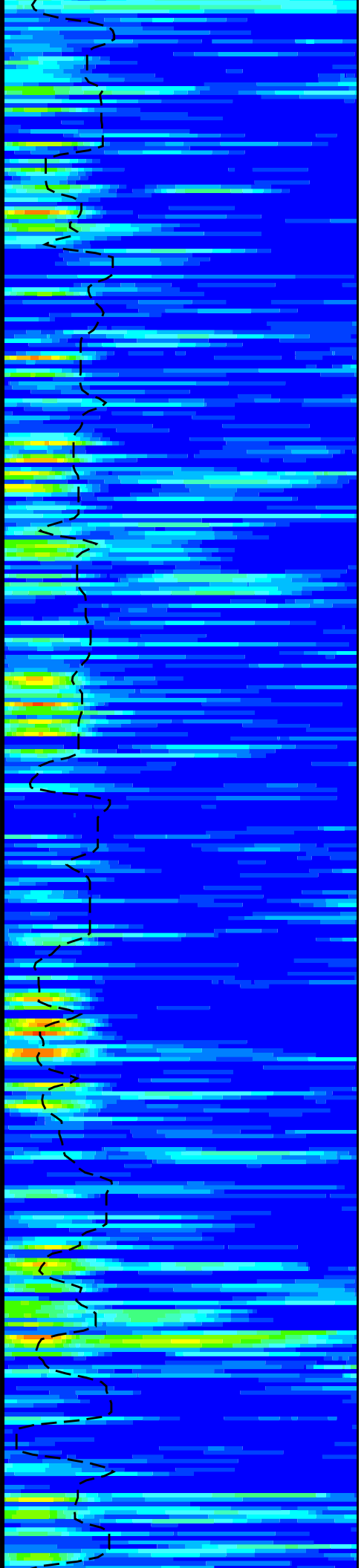
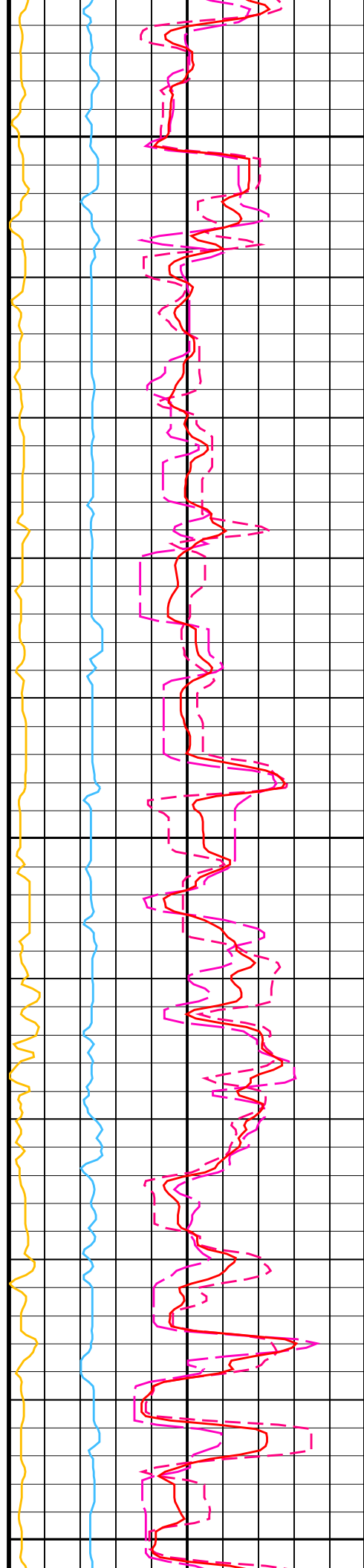


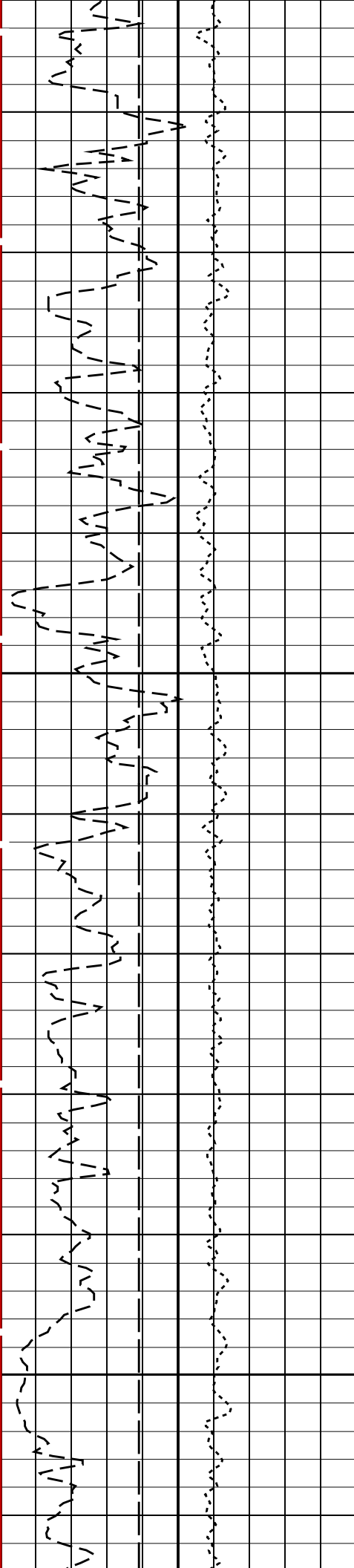


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1175

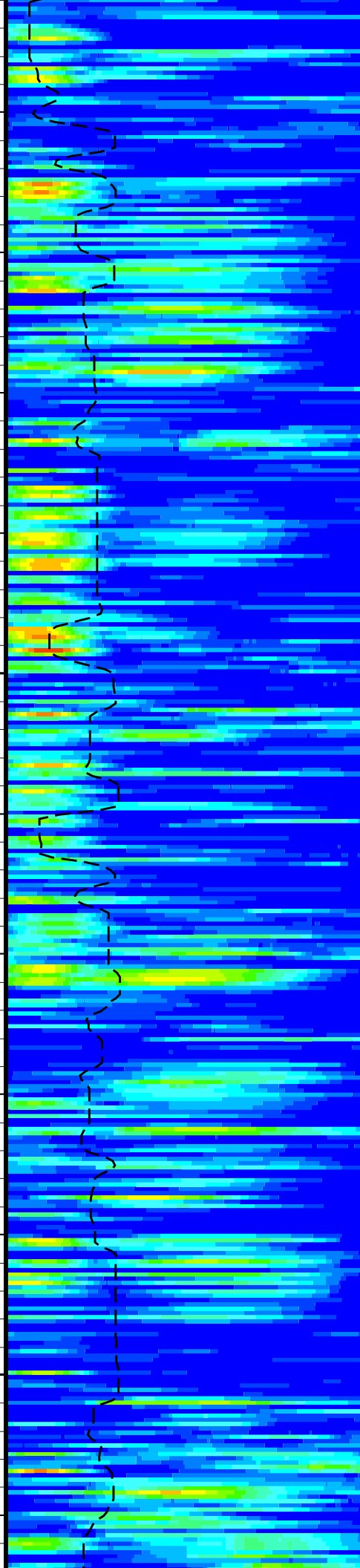
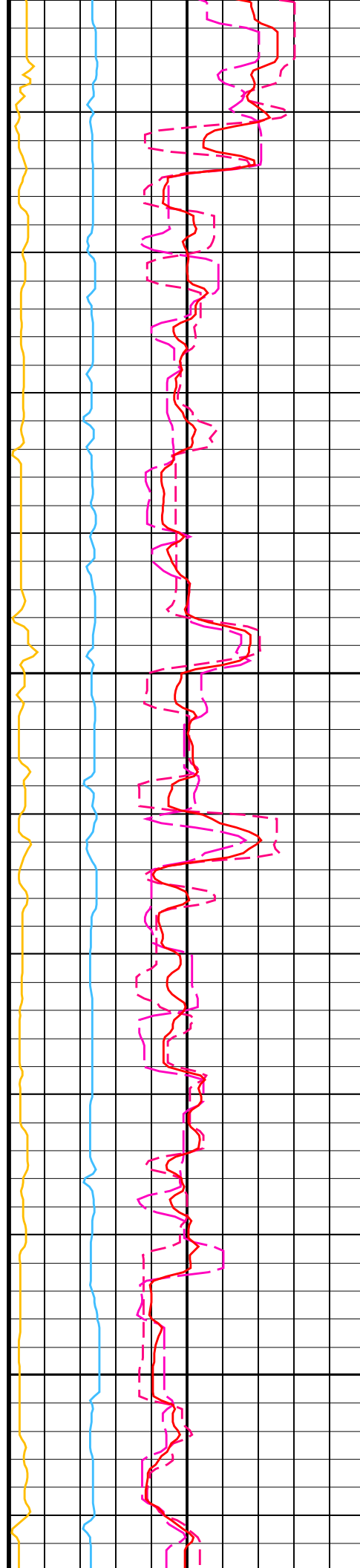
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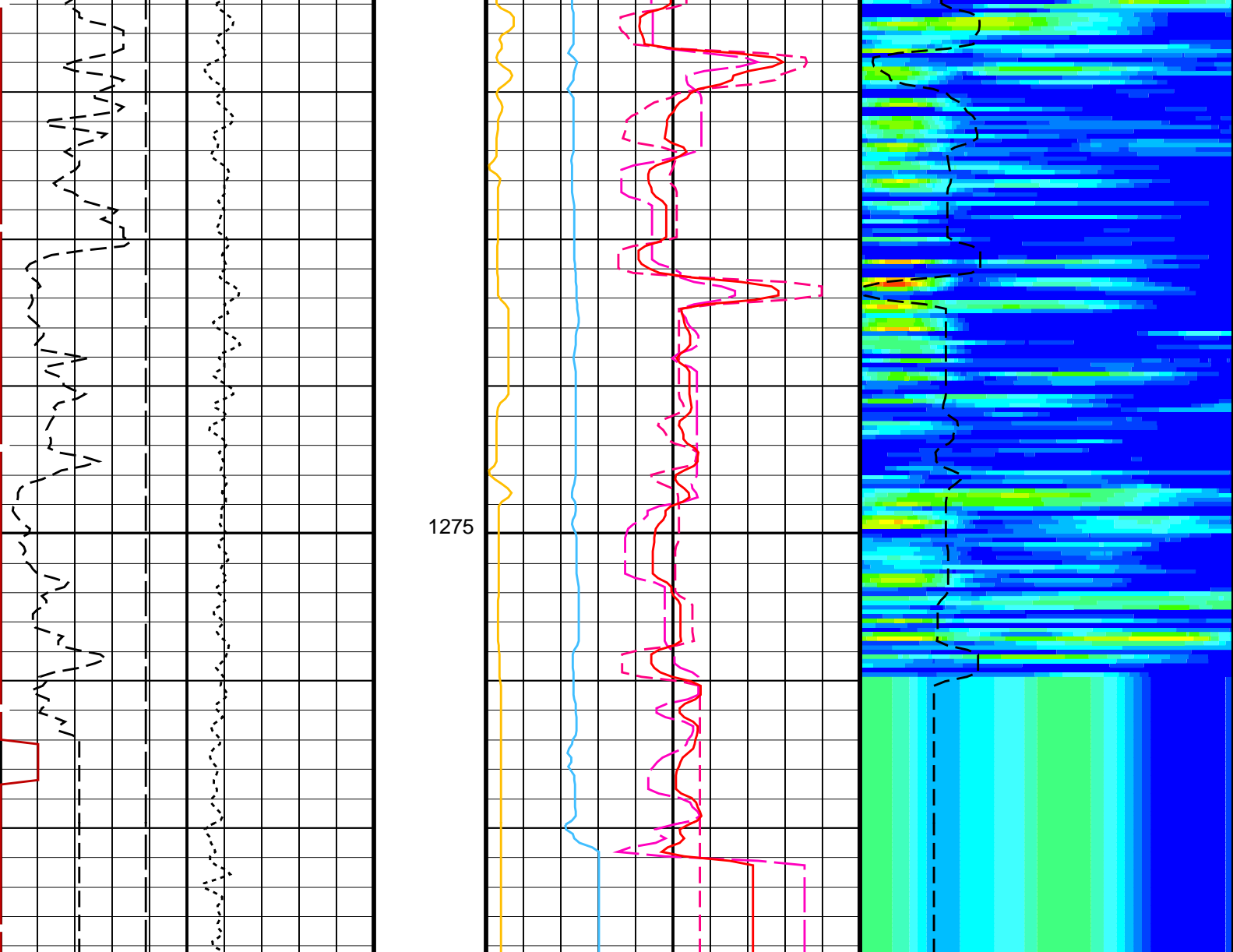




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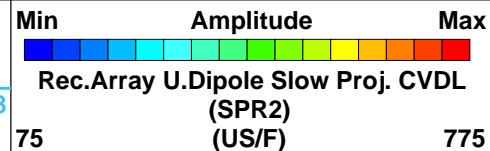
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1275

Bit Size (BS) (IN)		6	16
SAM2 Waveform Gain (WFG2) (-----)		0	1000
Tension (TENS) (LBF)		10000	0
Waveform Data Copy Indicator 2 - Upper Dipole (WC12)		0	10
Peak Coherence / RA - Upper Dipole (CHR2)		0	10
Peak Coherence / TA - Upper Dipole (CHT2)		-2	8
Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)		440	40
Delta-T Shear / TA - Upper Dipole (DT2T) (US/F)		440	40
Delta-T Shear - Upper Dipole (DT2) (US/F)		440	40
Delta-T Shear / RA - Upper Dipole (DT2R) (US/F)		75	775



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
-----------	-------------	-------

DSST-B: Dipole Shear Imager - B

DDE2	Digitizing Delay 2	0 US
DDE3	Digitizing Delay 3	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	300	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	LFD_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	B.3–1.5K	
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	9.875	IN

Format: DSST_UPPER_DIPOLE_VDL_COLOR
Vertical Scale: 1:200
Graphics File Created: 11-Jan-2024 20:07

OP System Version: 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		

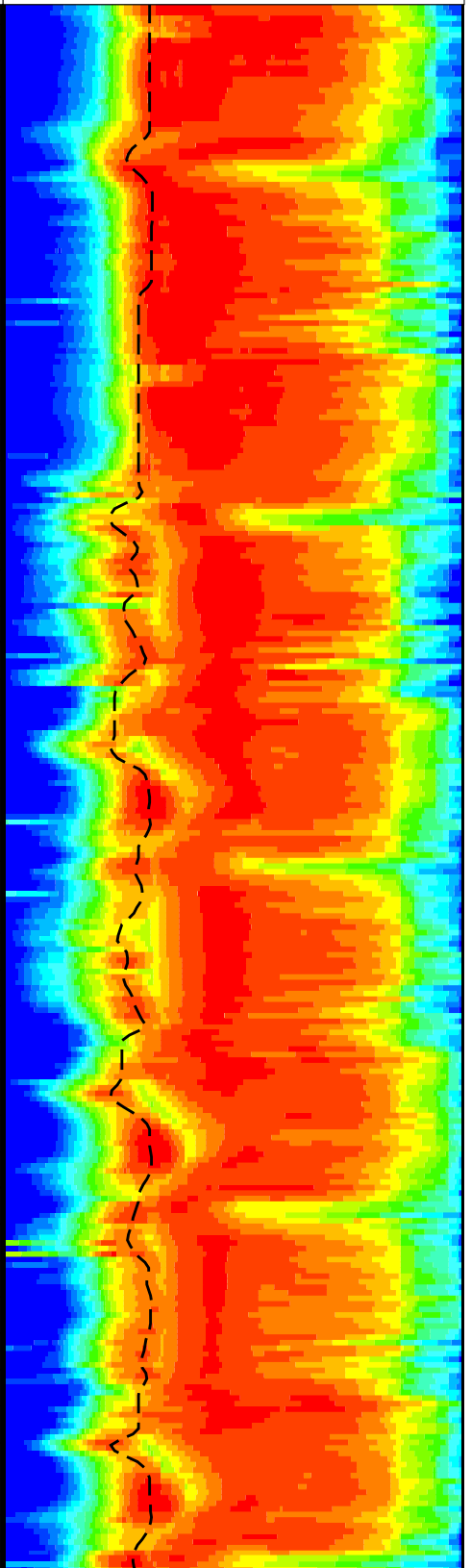
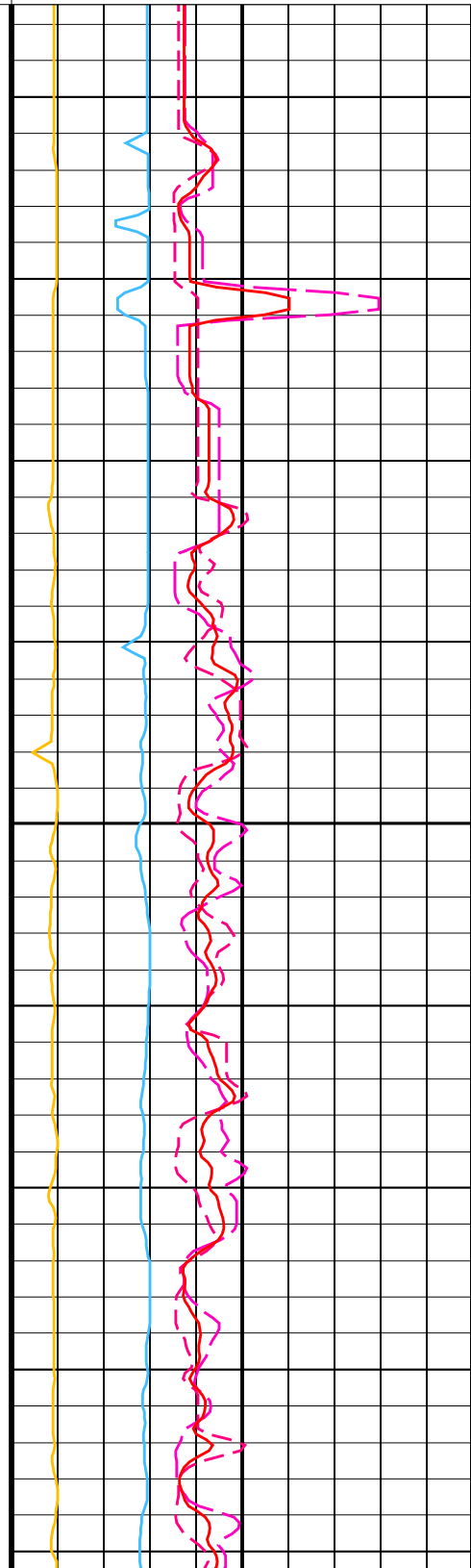
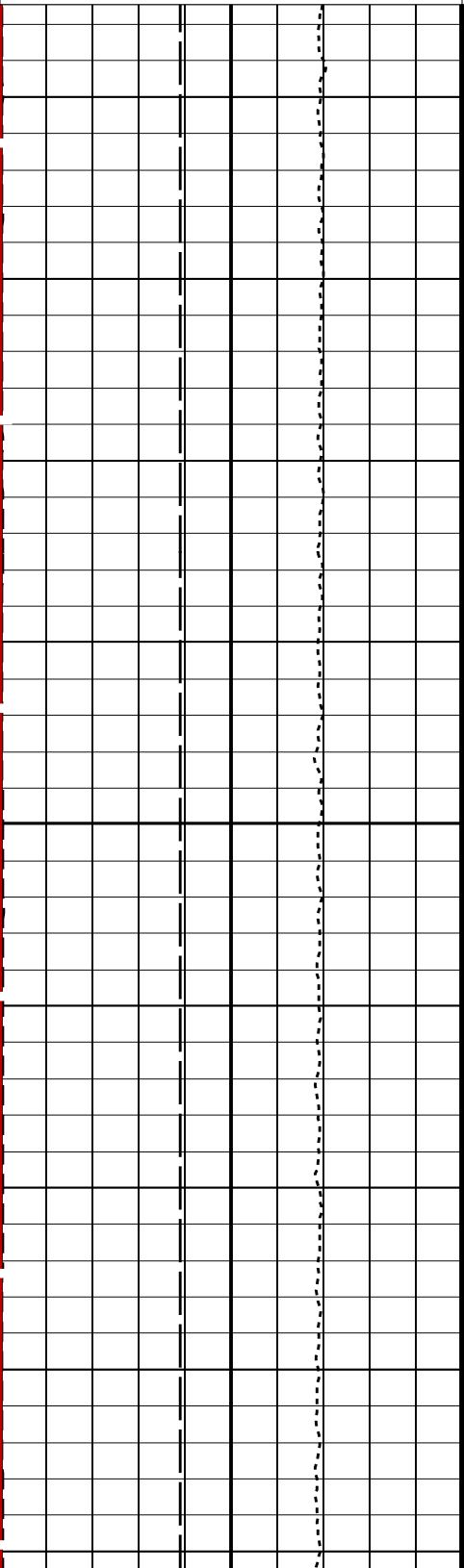
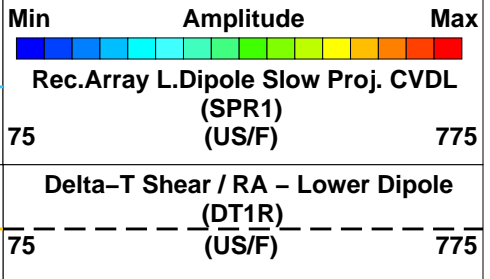
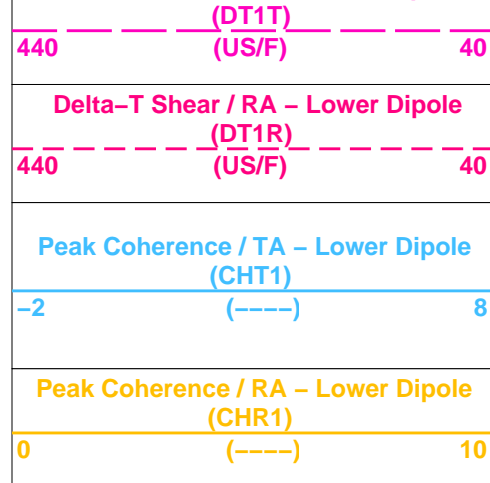
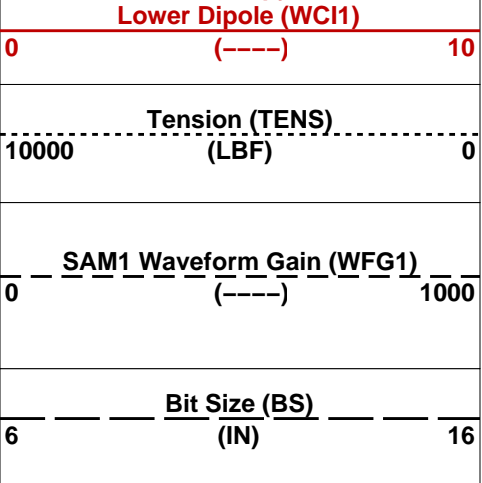
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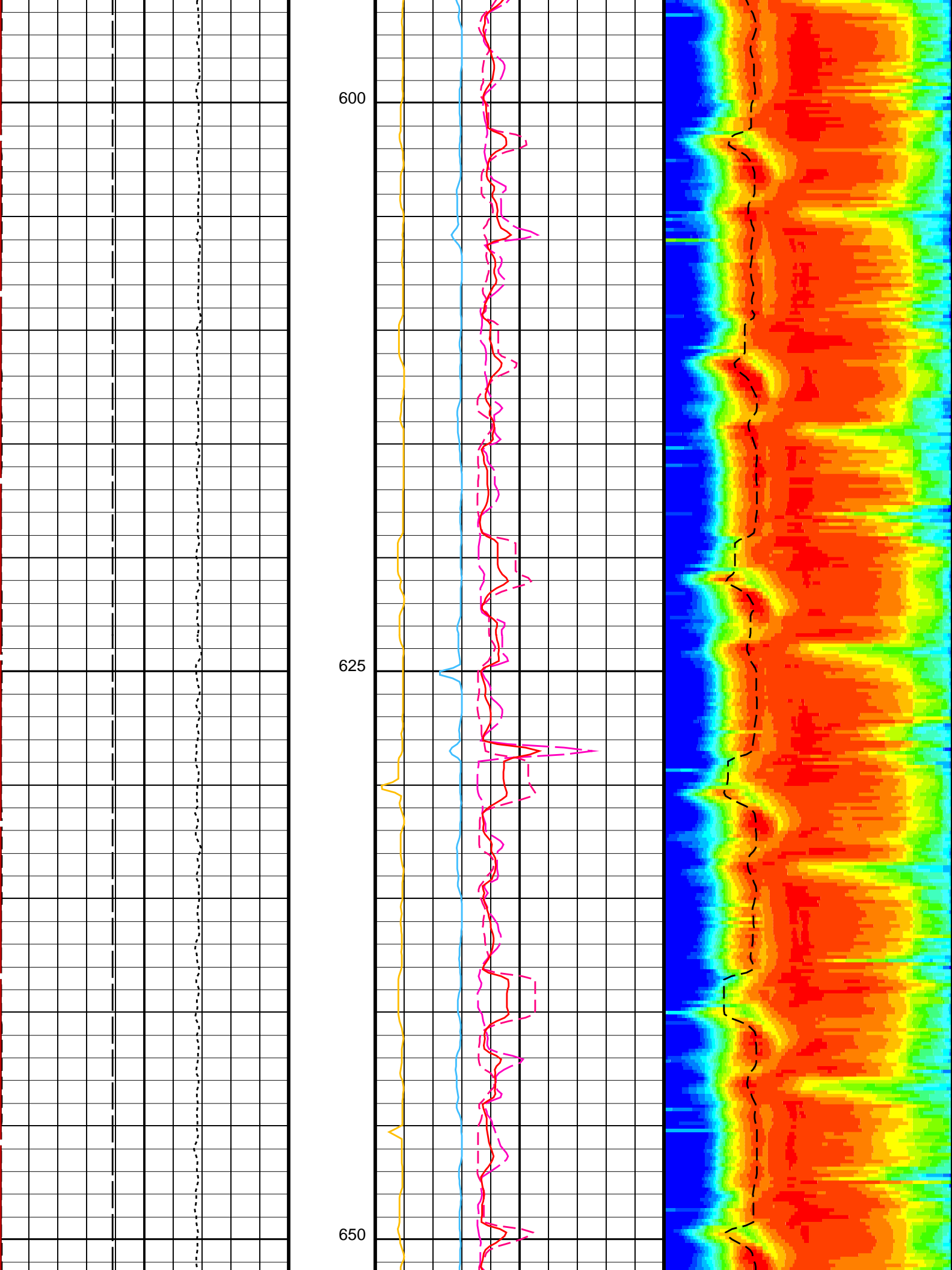
Company: International Ocean Discovery Program
Well: Expedition 401, Site U1610A

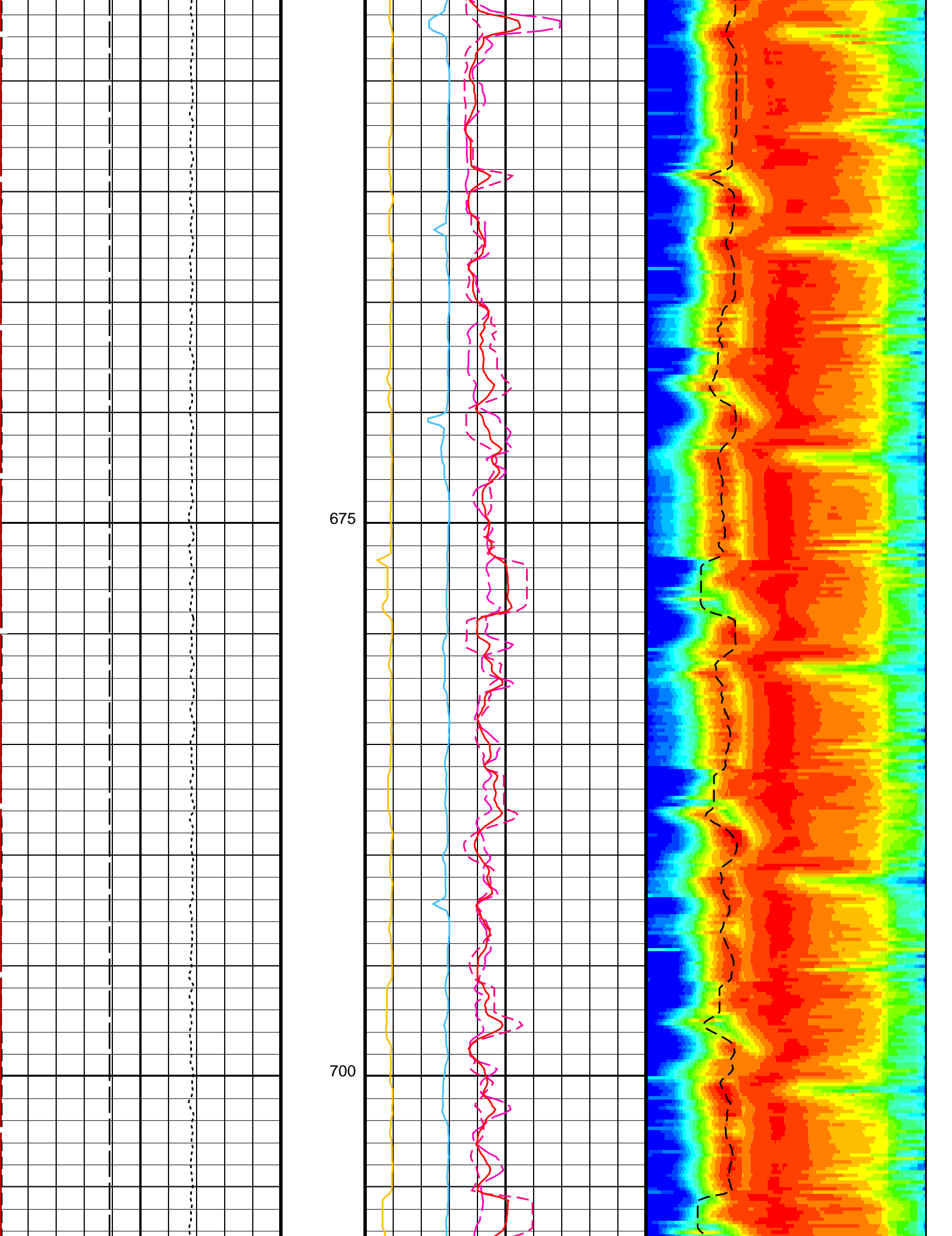
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OP System Version: 19C0–187			
DSST–B	19C0–187	HRLT–B	19C0–187
HLDS	19C0–187	LDSC–B	19C0–187
HNGC–B	19C0–187	HNGS–BA	19C0–187
EDTC–B	19C0–187		

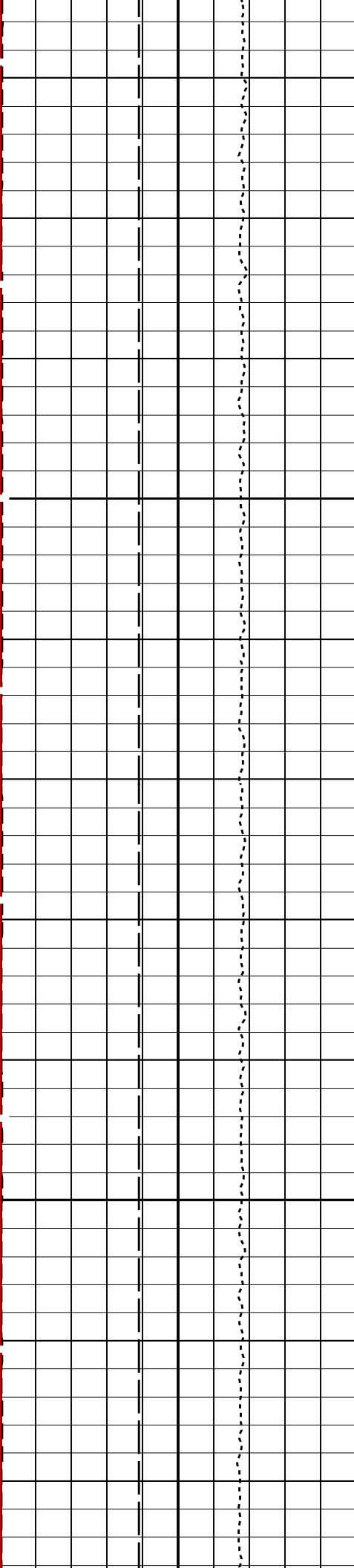
PIP SUMMARY

Time Mark Every 60 S		
	Delta–T Shear – Lower Dipole (DT1)	
	440 (US/F)	40
Waveform Data Copy Indicator 1 –	Delta–T Shear / TA – Lower Dipole	



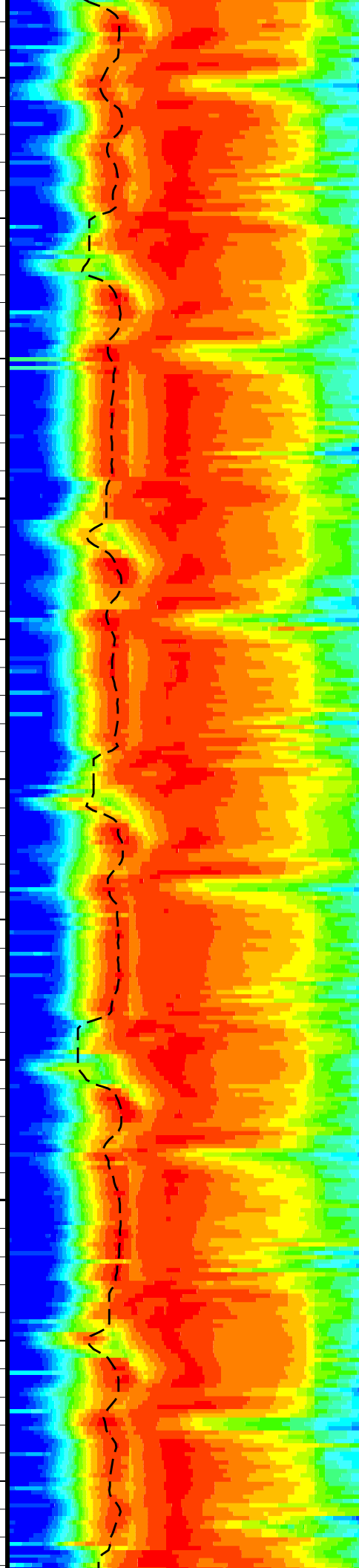
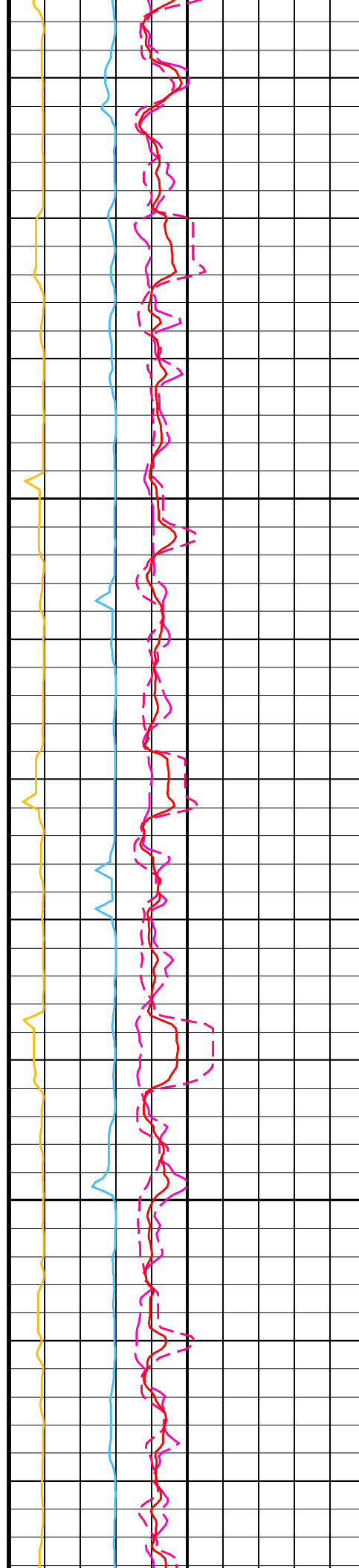


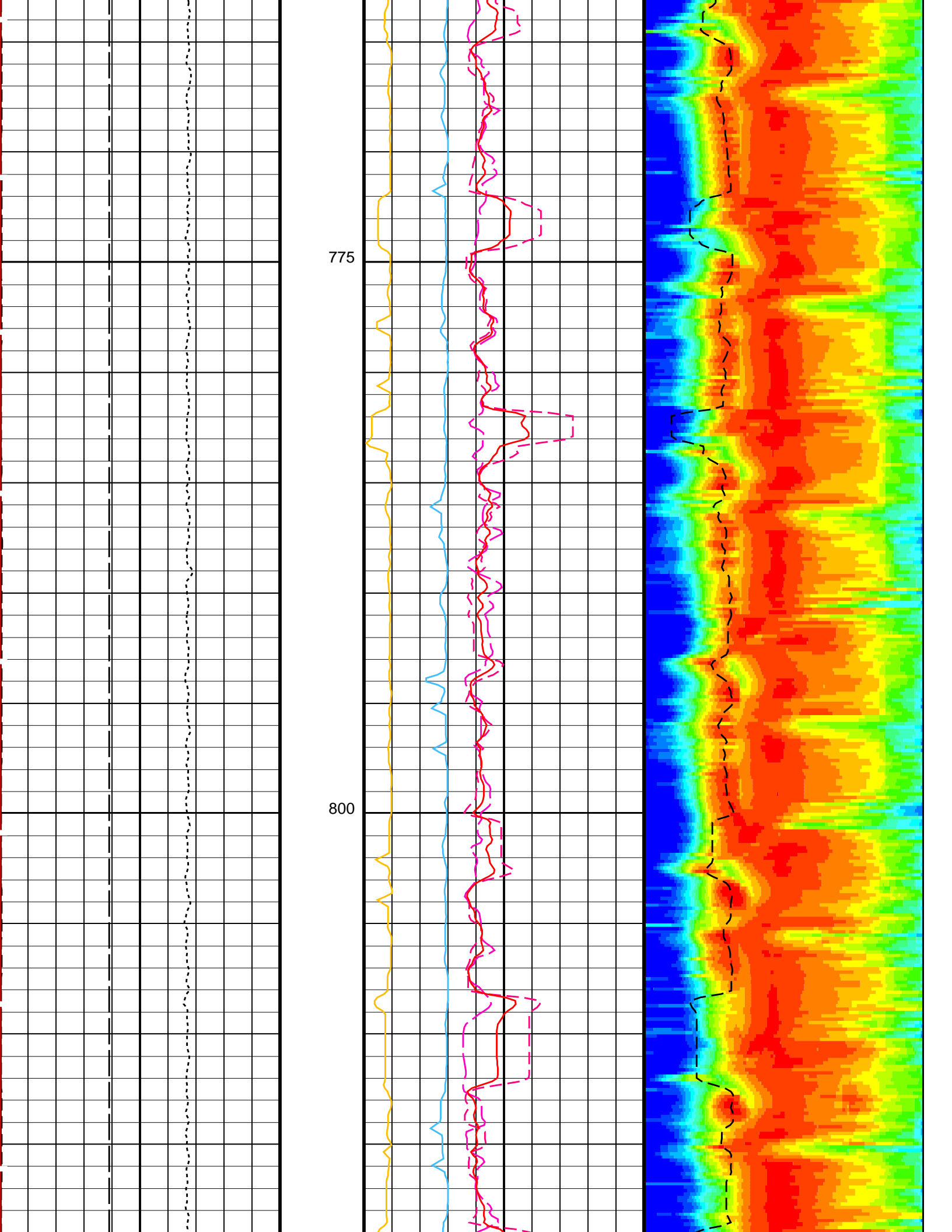


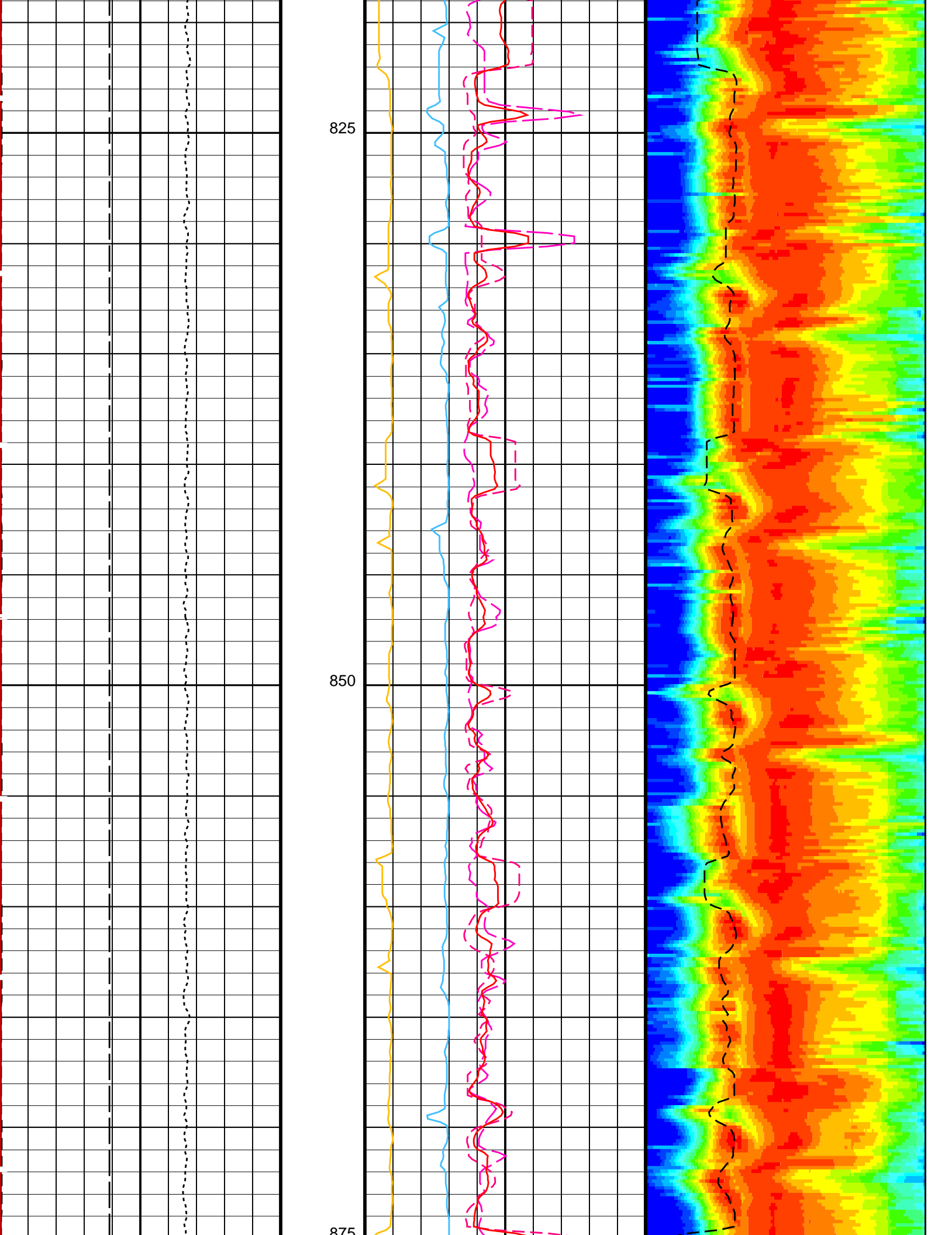


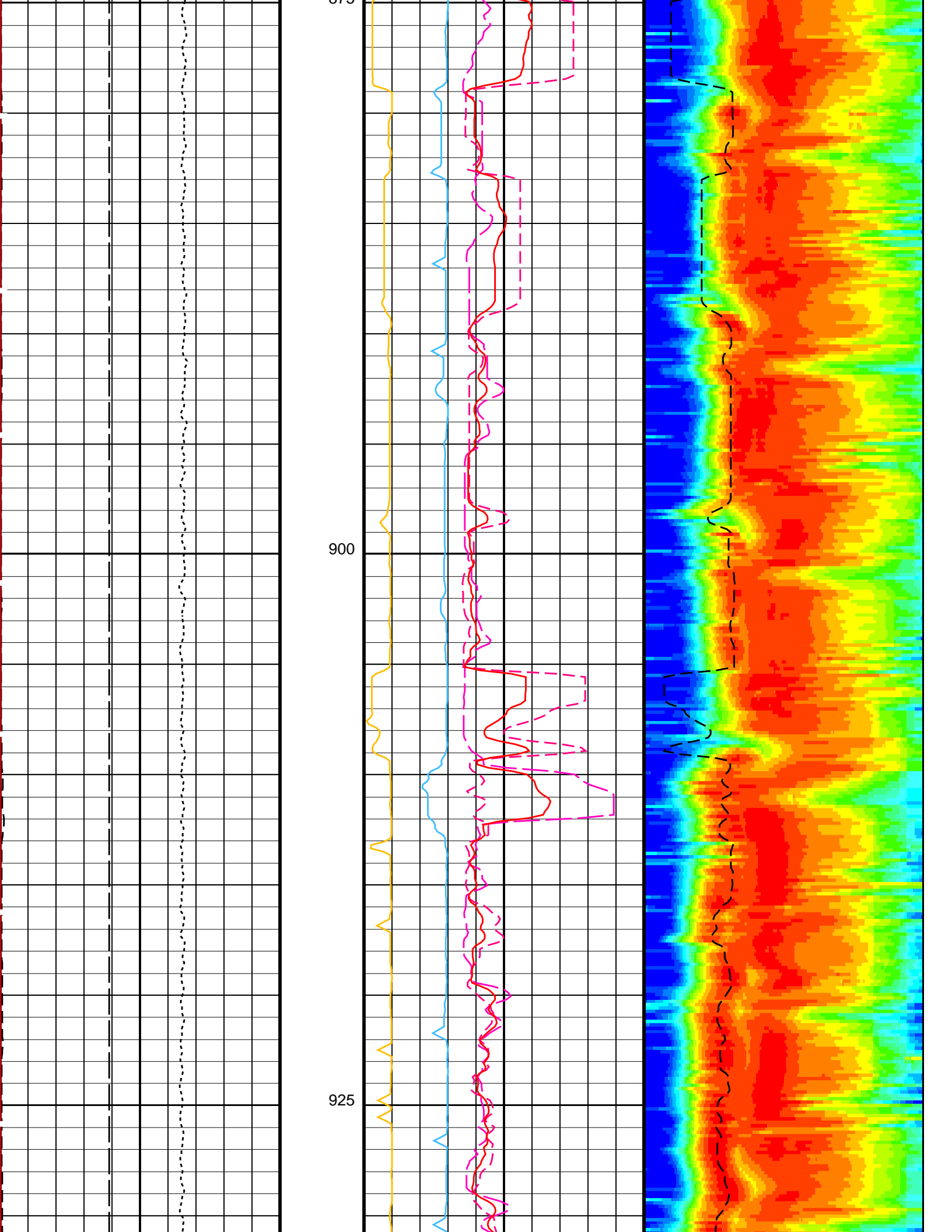
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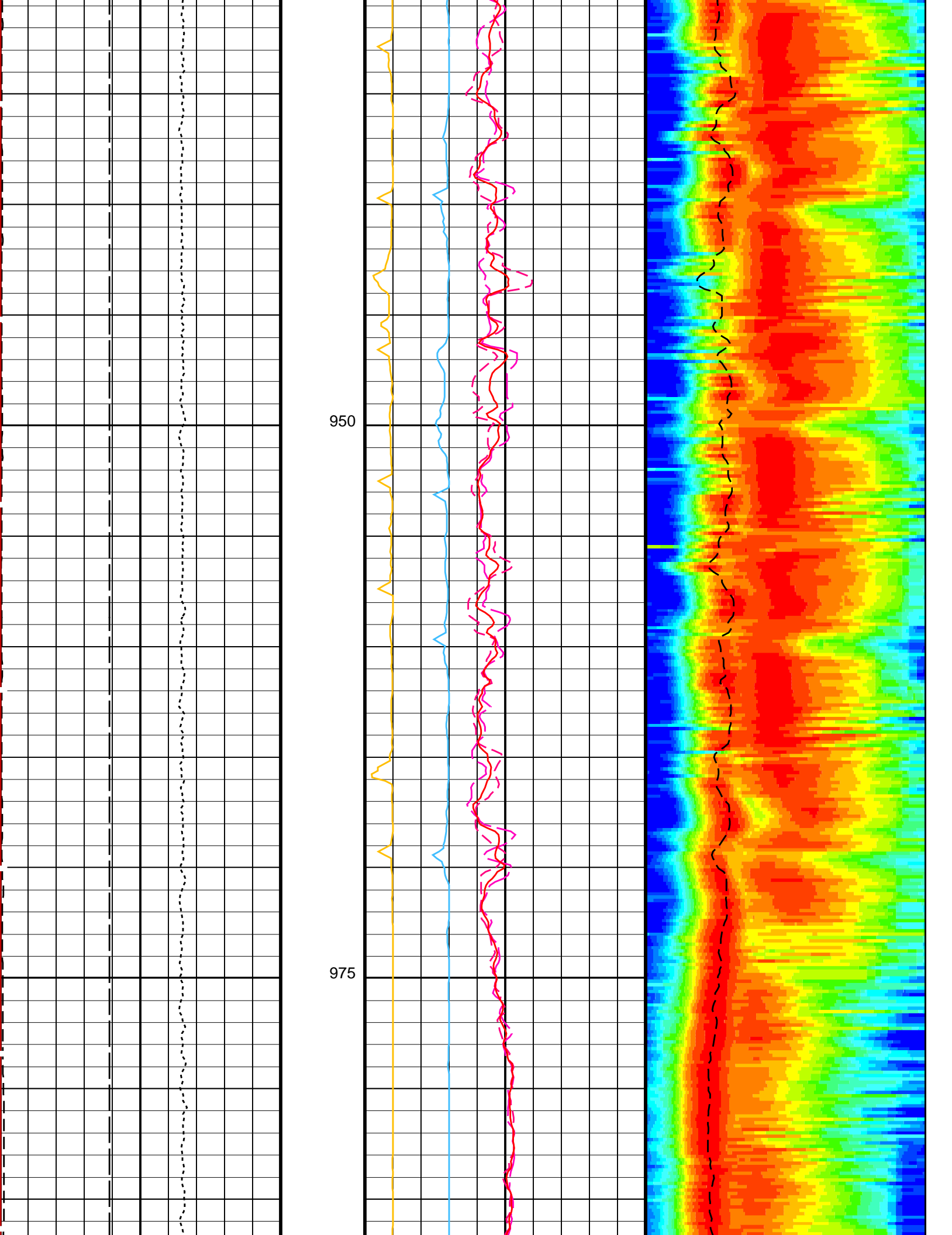
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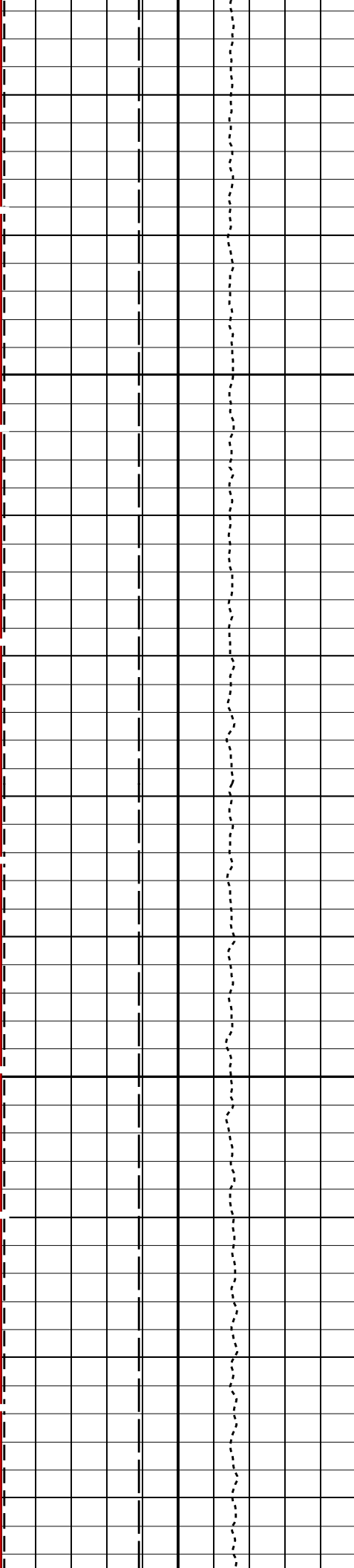






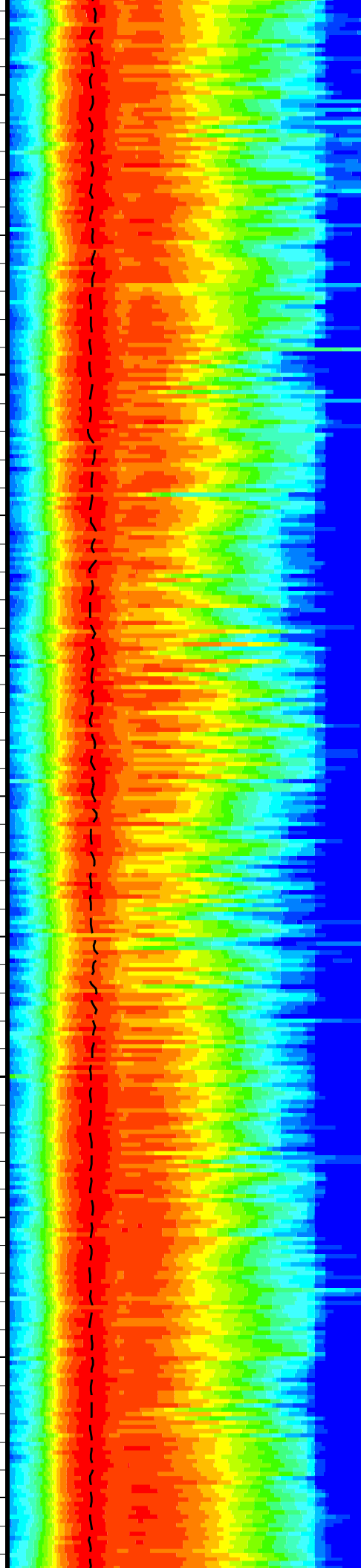
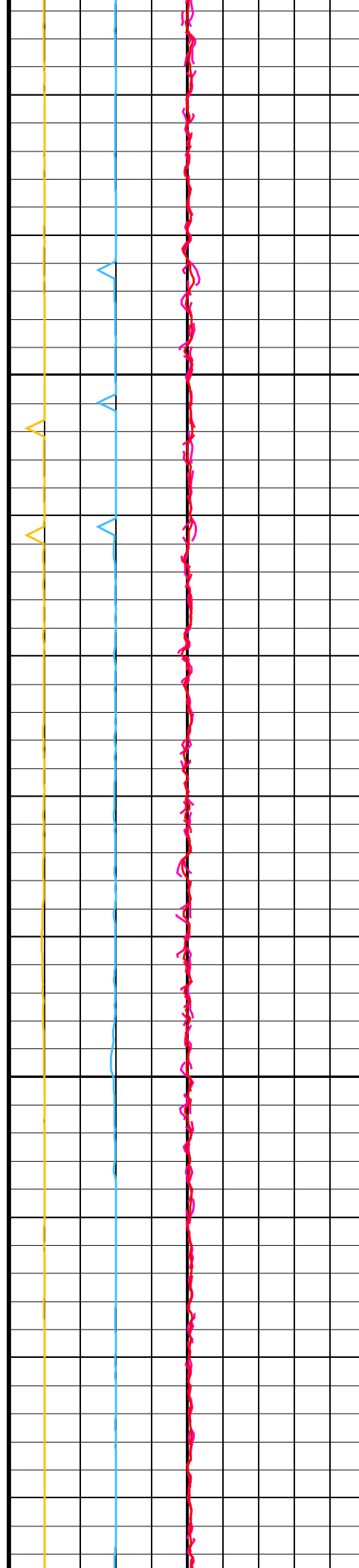


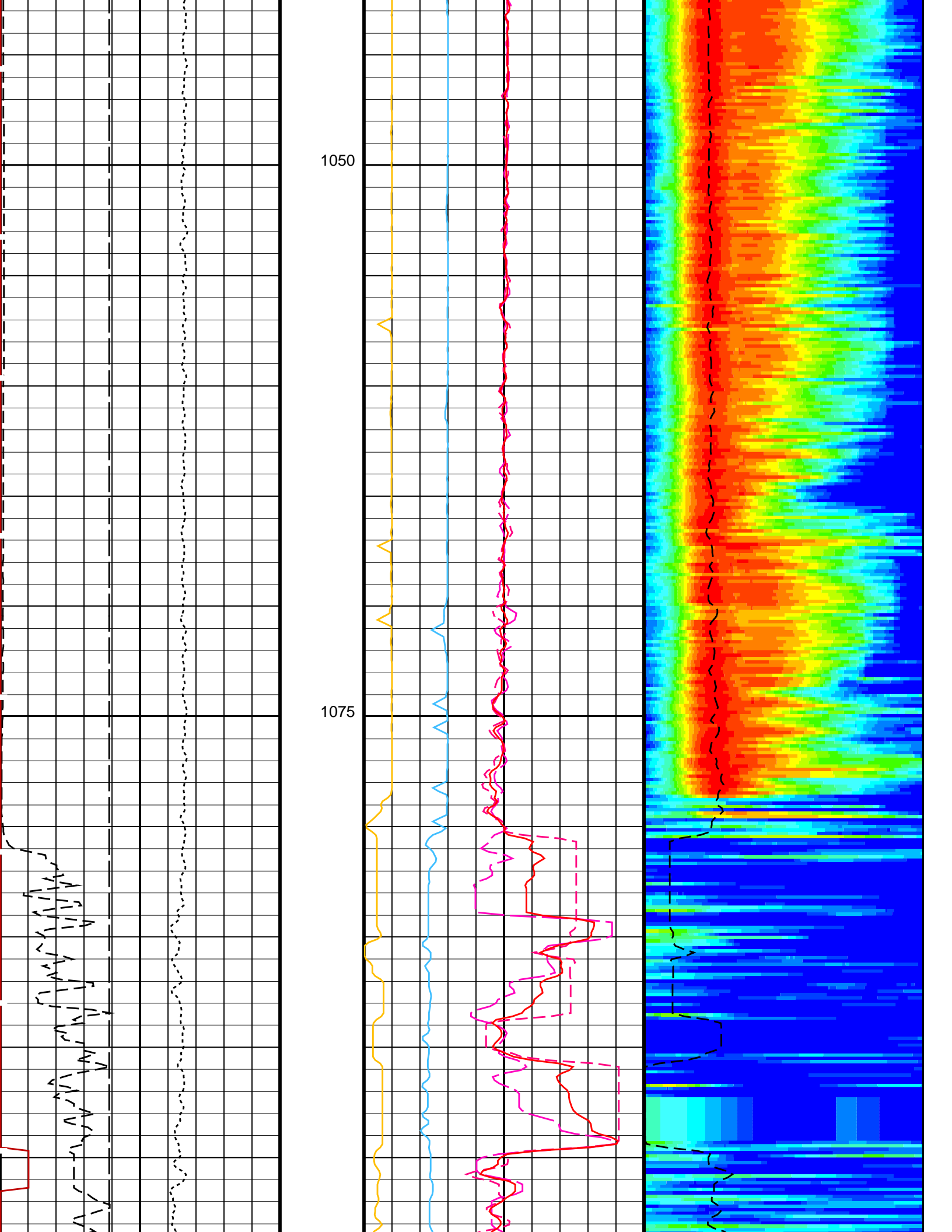


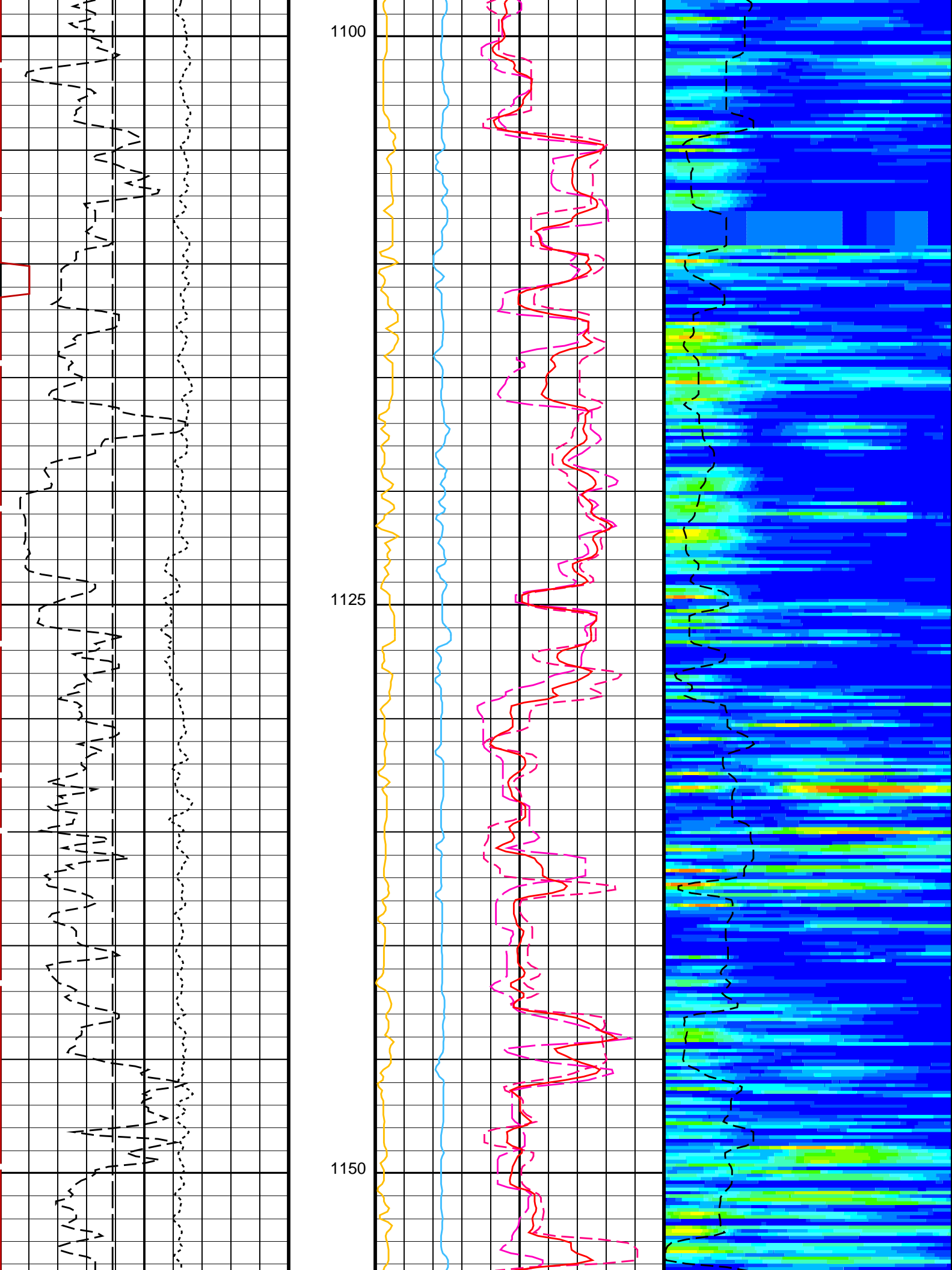


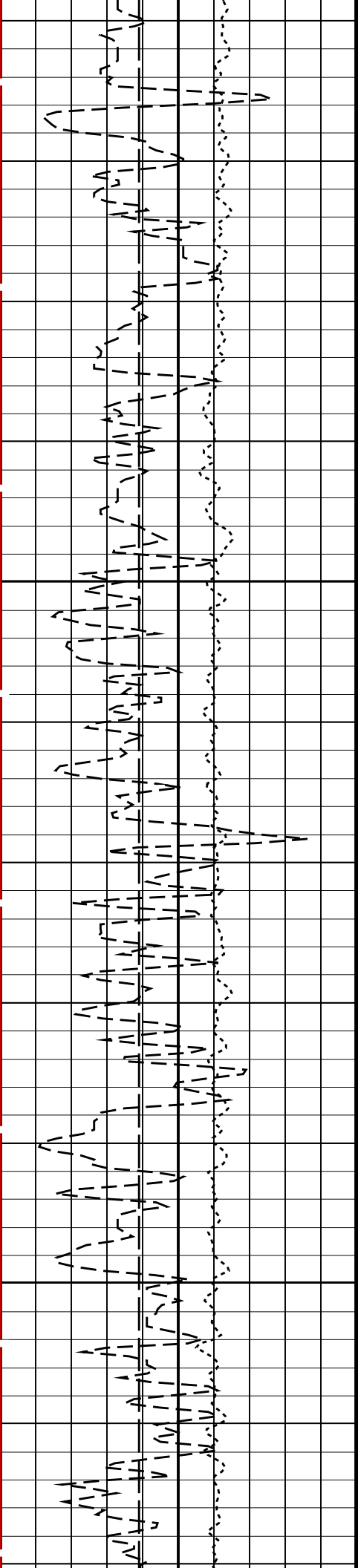
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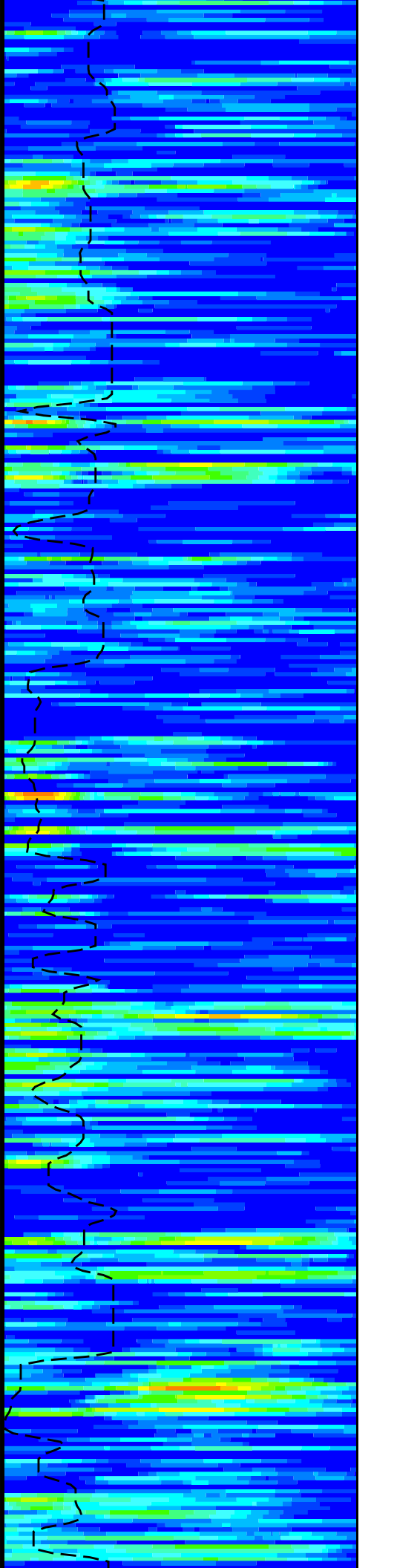


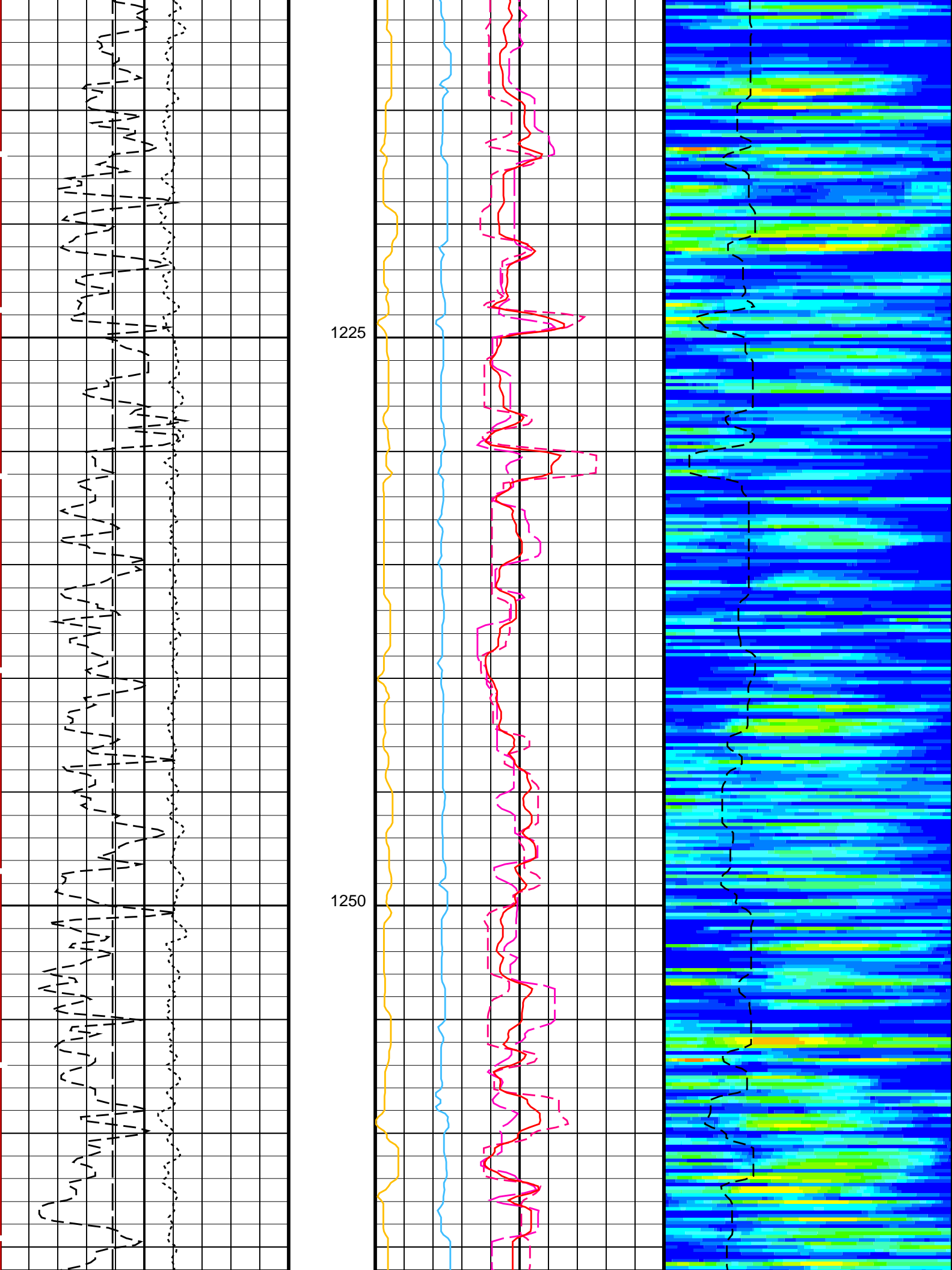


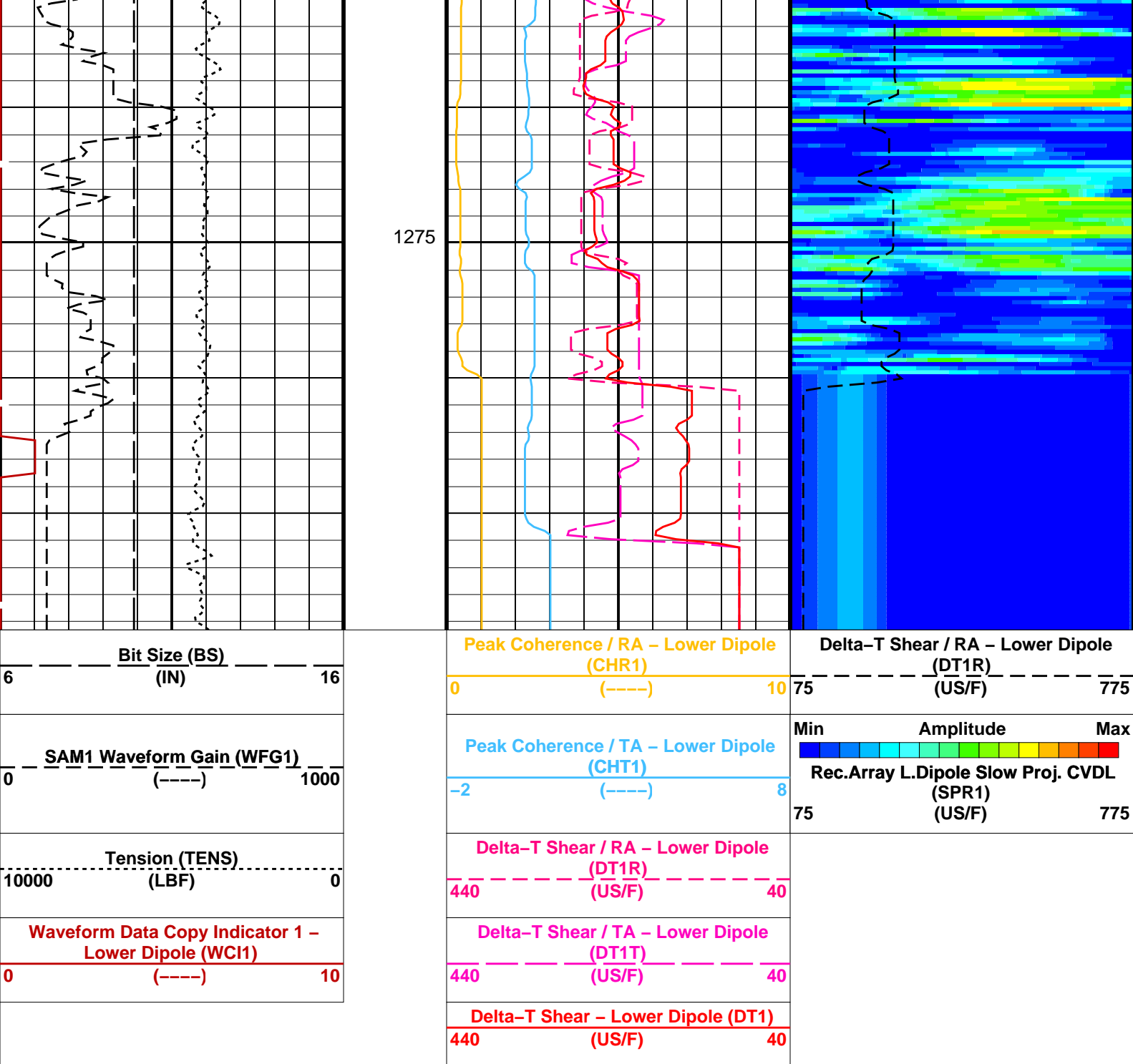


1175

1200







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	300	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	LFD_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	B.3–1.5K	
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	9.875	IN

Format: DSST_LOWER_DIPOLE_VDL_COLOR
Vertical Scale: 1:200
Graphics File Created: 11–Jan–2024 20:07


OP System Version: 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	DSI_HRLA_LDL_NGS_013LUP	FN:12	PRODUCER 11–Jan–2024 20:07

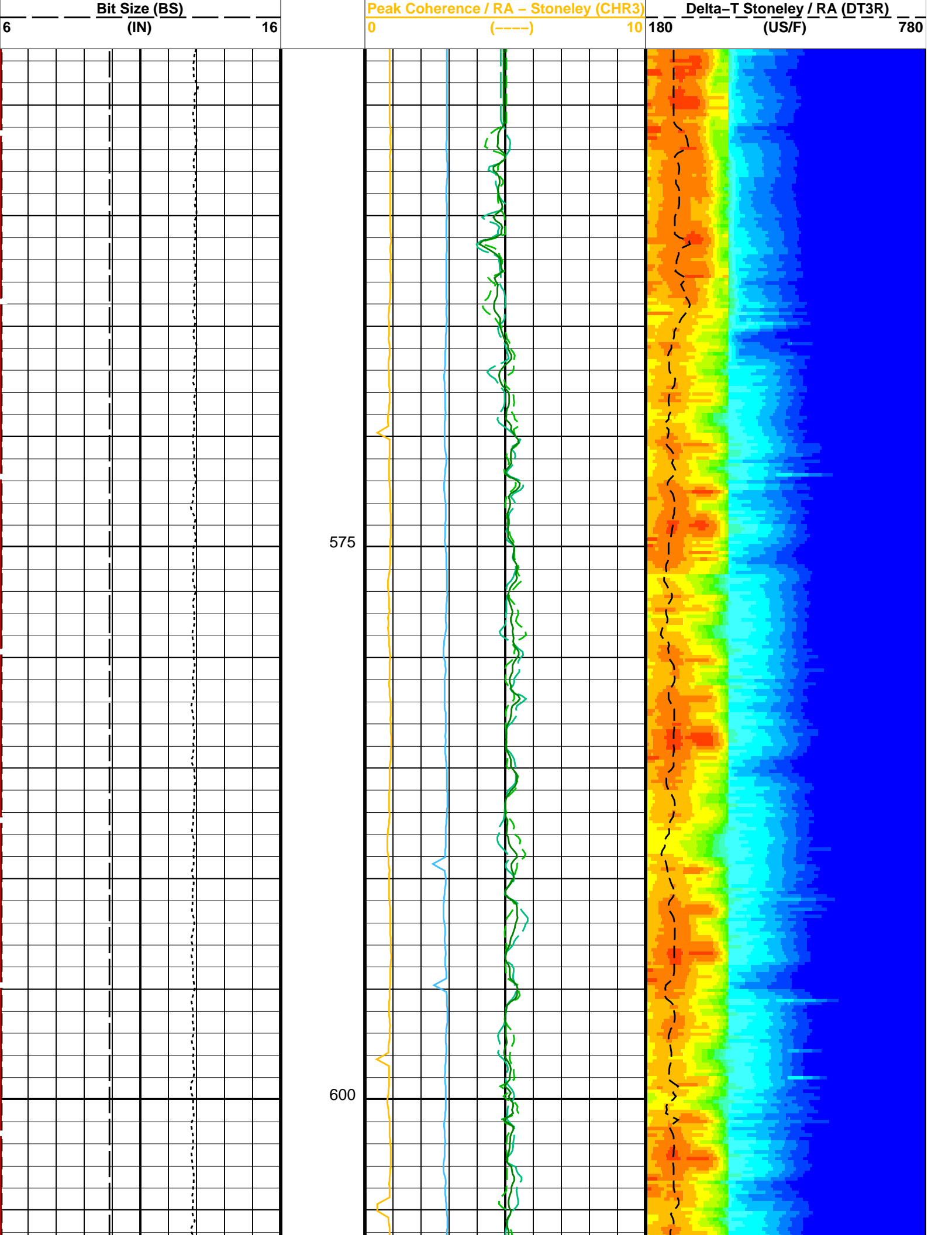
Company: International Ocean Discovery Program
Well: Expedition 401, Site U1610A

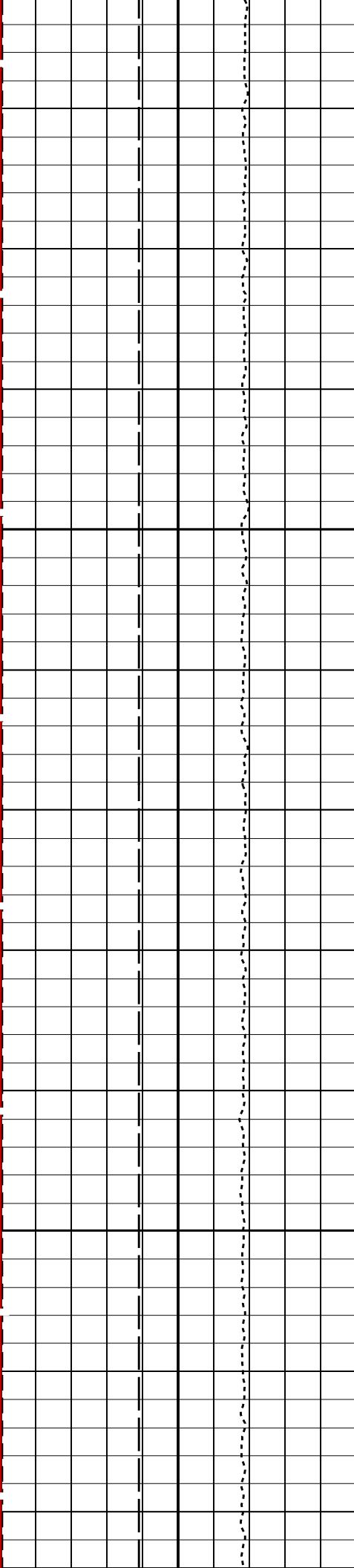
Output DLIS Files					
DEFAULT	DSI_HRLA_LDL_NGS_013LUP	FN:12	PRODUCER	11–Jan–2024 20:07	1289.3 M 552.5 M

OP System Version: 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	

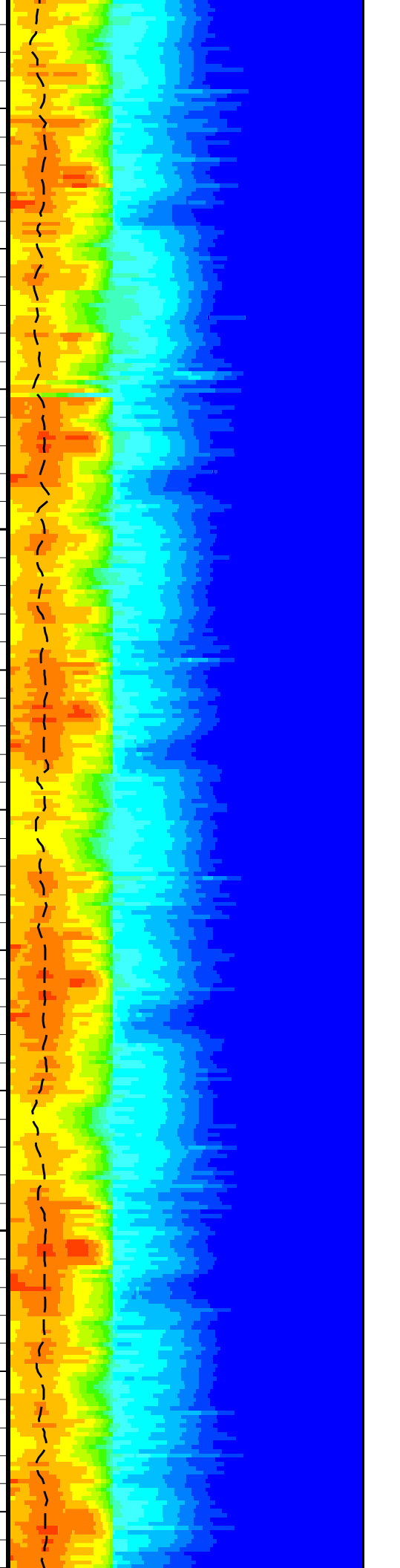
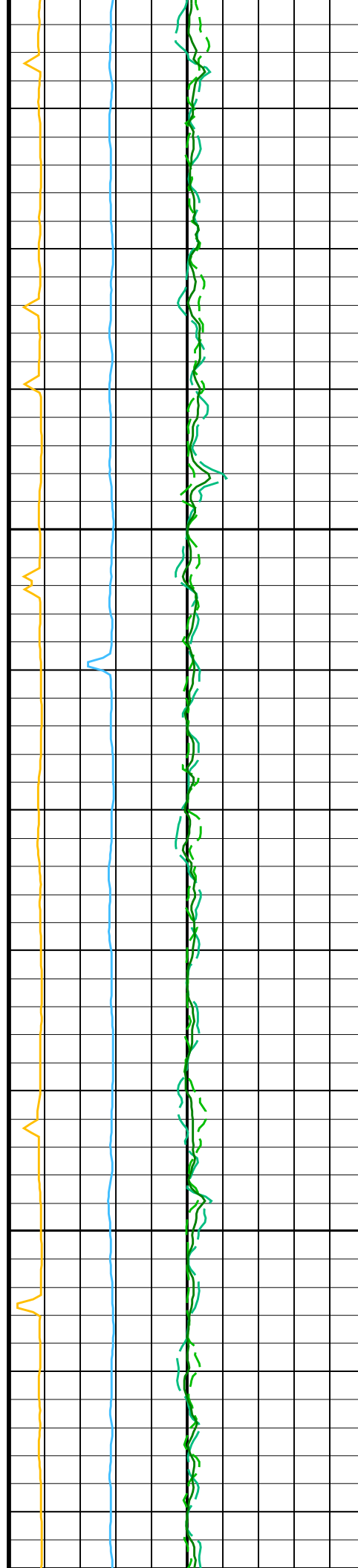
<div> <div>Waveform Data Copy Indicator 3 – Monopole Stoneley (WCI3)</div> <div>0 (----) 10</div> </div> <div> <div>Tension (TENS)</div> <div>10000 (LBF) 0</div> </div> <div> <div>SAM3 Waveform Gain (WFG3)</div> <div>0 (----) 1000</div> </div>	<div>Delta–T Stoneley (DTST)</div> <div>440 (US/F) 40</div>	<div> <div>MinAmplitudeMax</div> <div>  </div> <div>Rec.Array Stoneley Slow Proj. CVDL (SPR3) (US/F)</div> <div>180780</div> </div>
	<div>Delta–T Stoneley / TA (DT3T)</div> <div>440 (US/F) 40</div>	
	<div>Delta–T Stoneley / RA (DT3R)</div> <div>440 (US/F) 40</div>	
	<div>Peak Coherence / TA – Stoneley (CHT3)</div> <div>–2 (----) 8</div>	

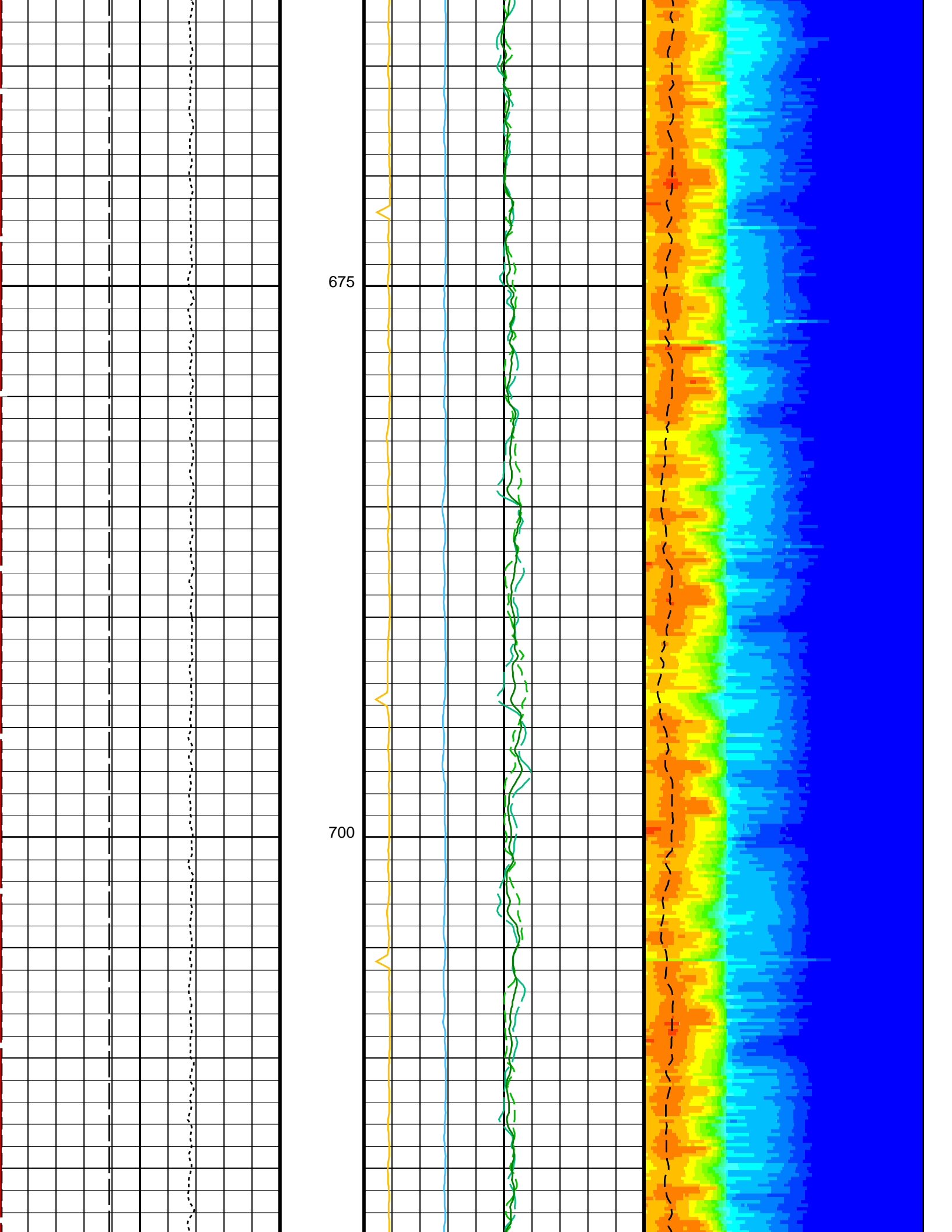


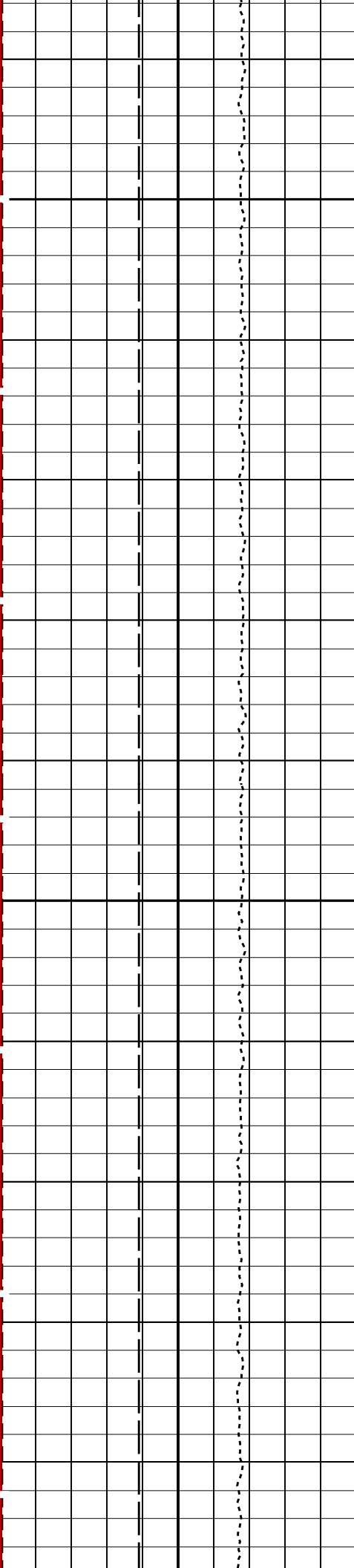


625

650

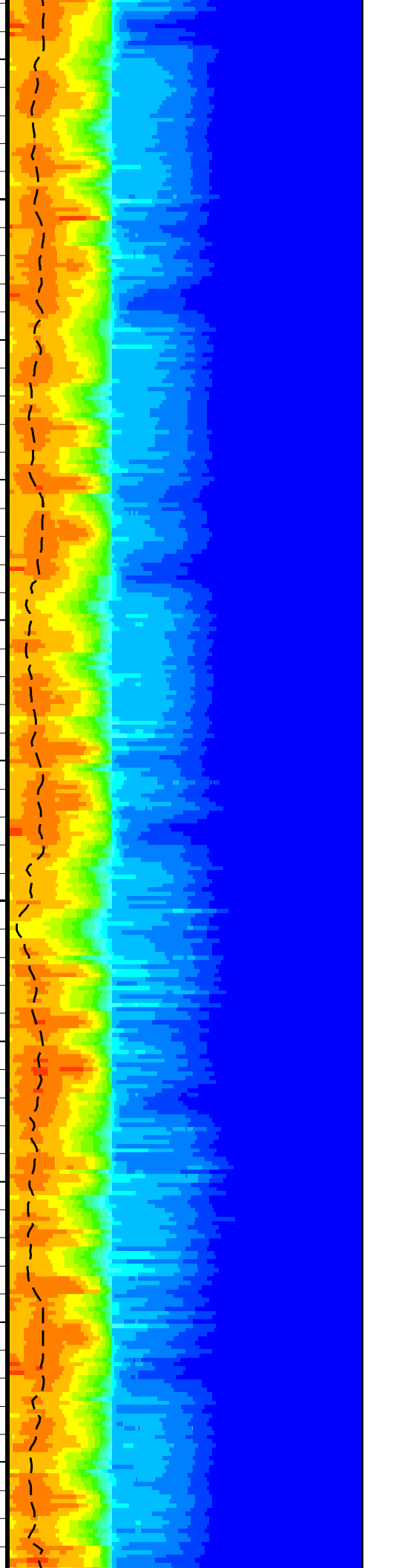
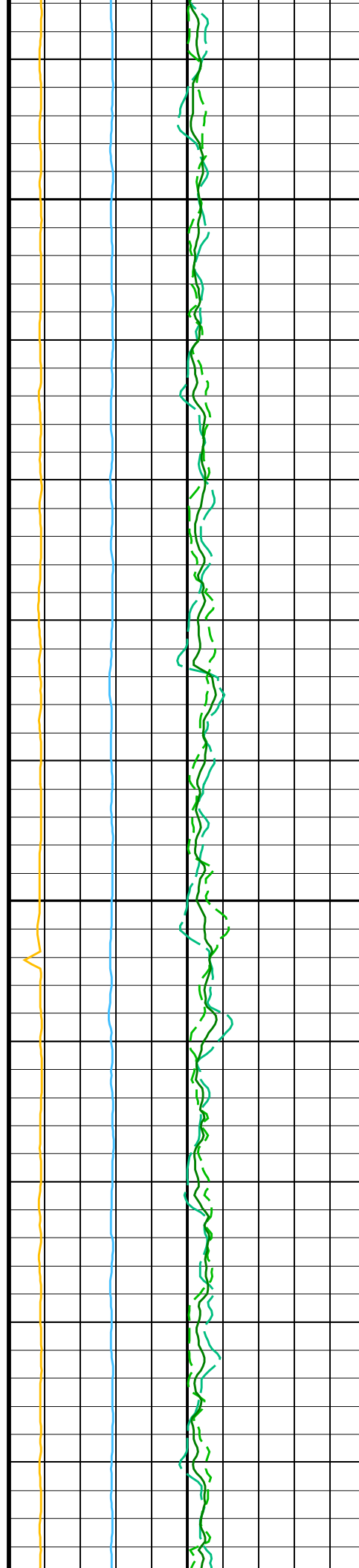


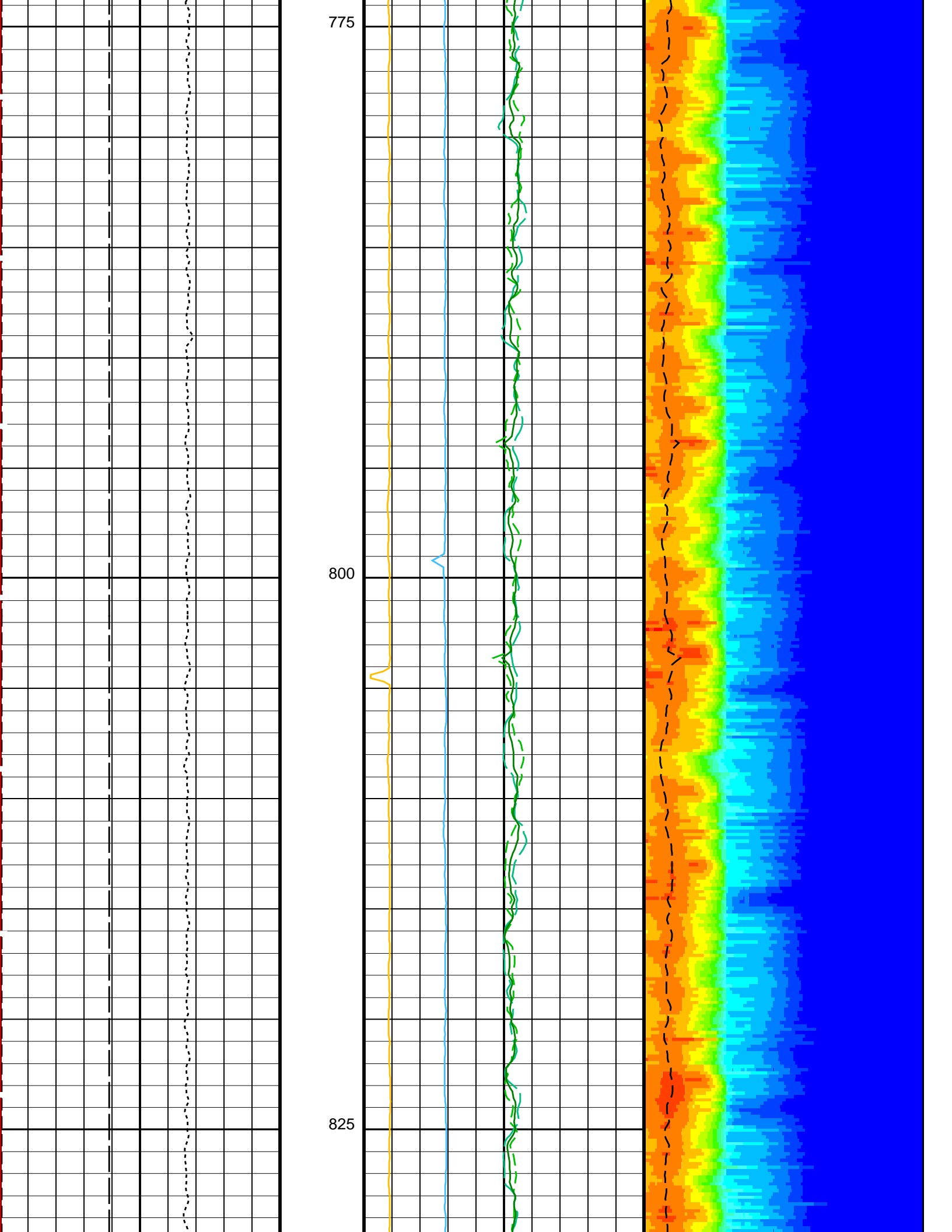


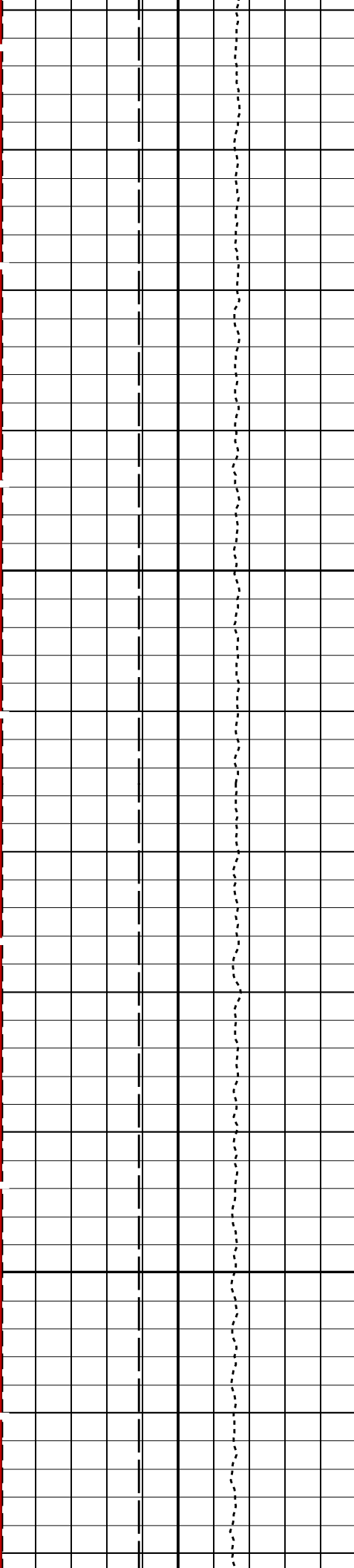


725

750

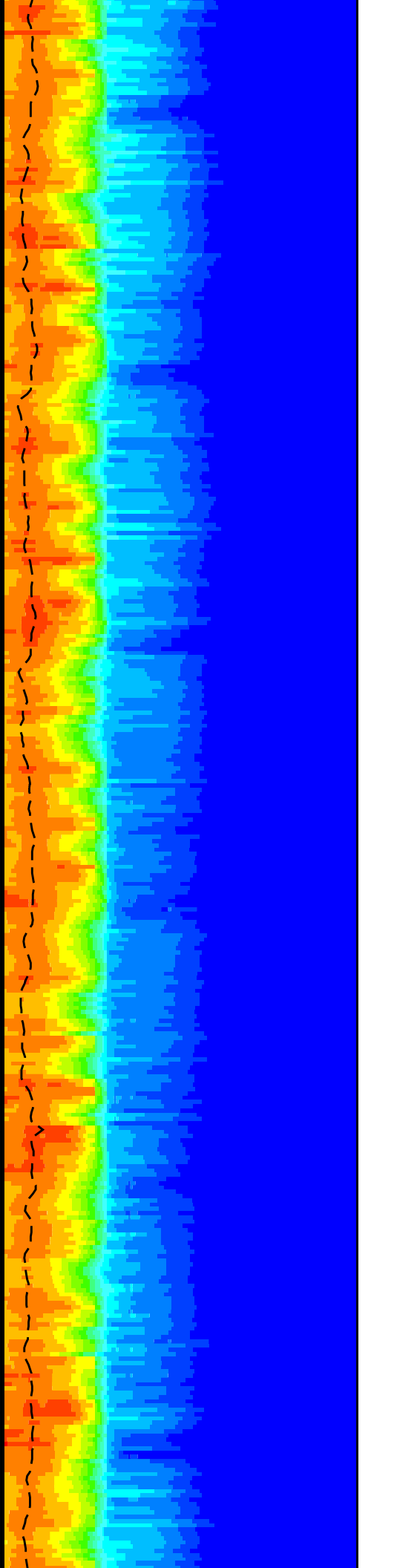
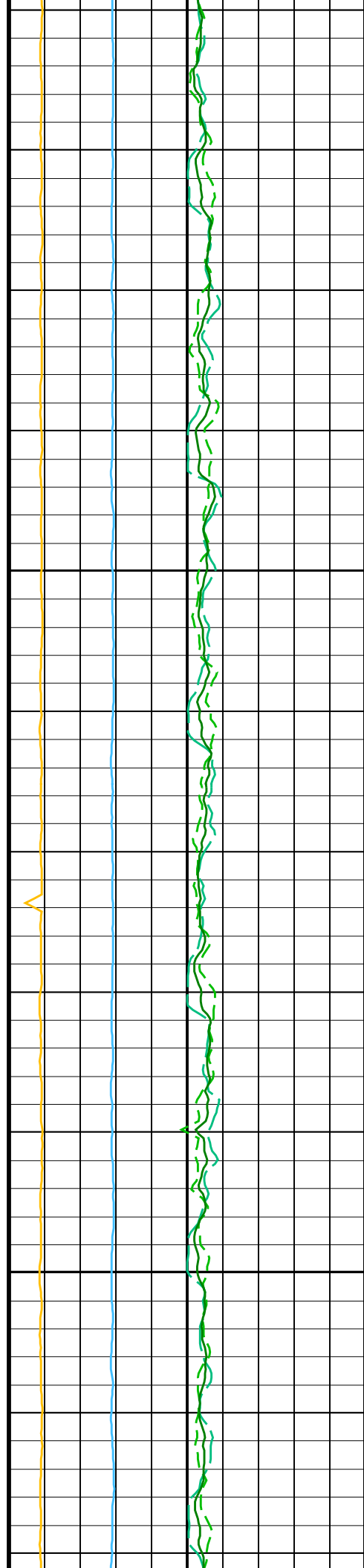


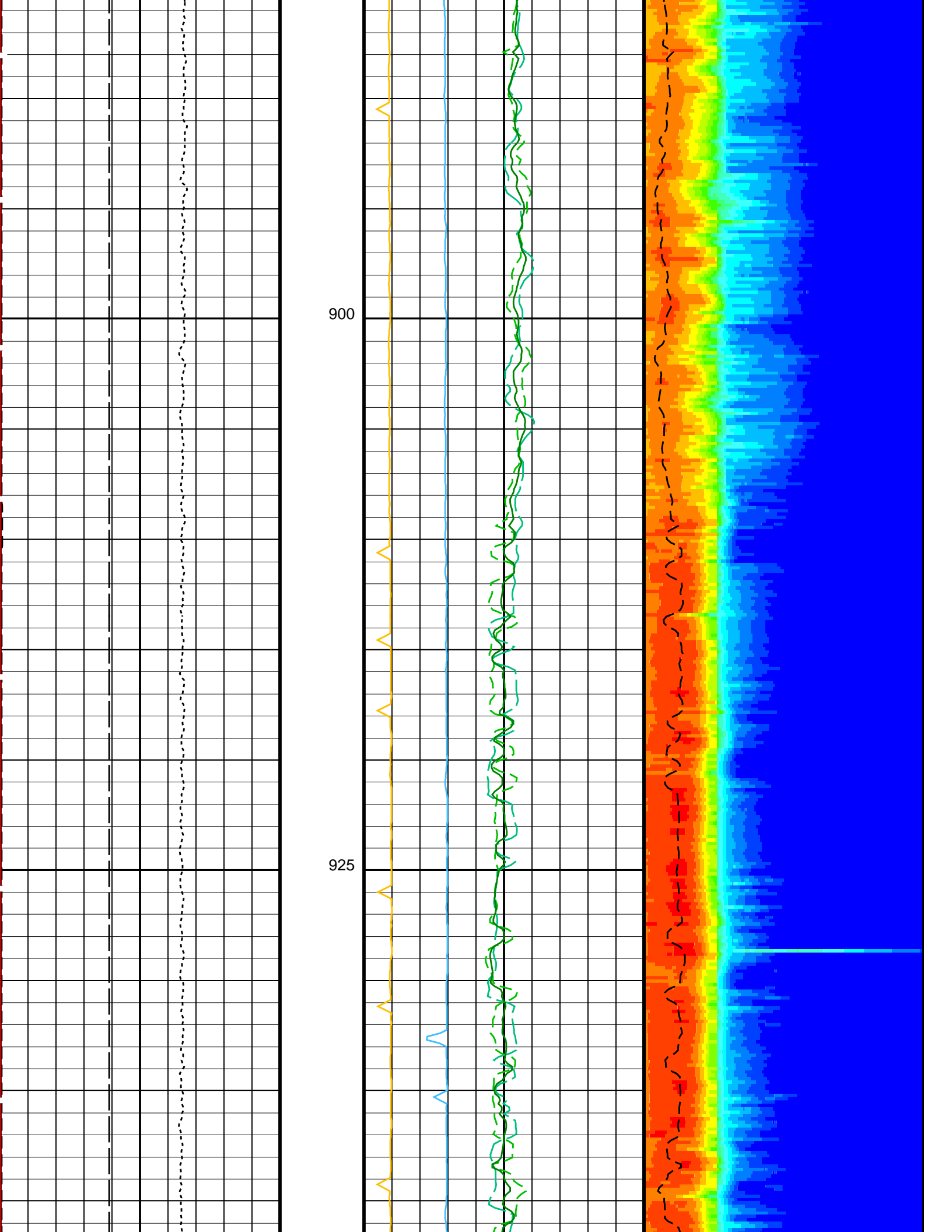


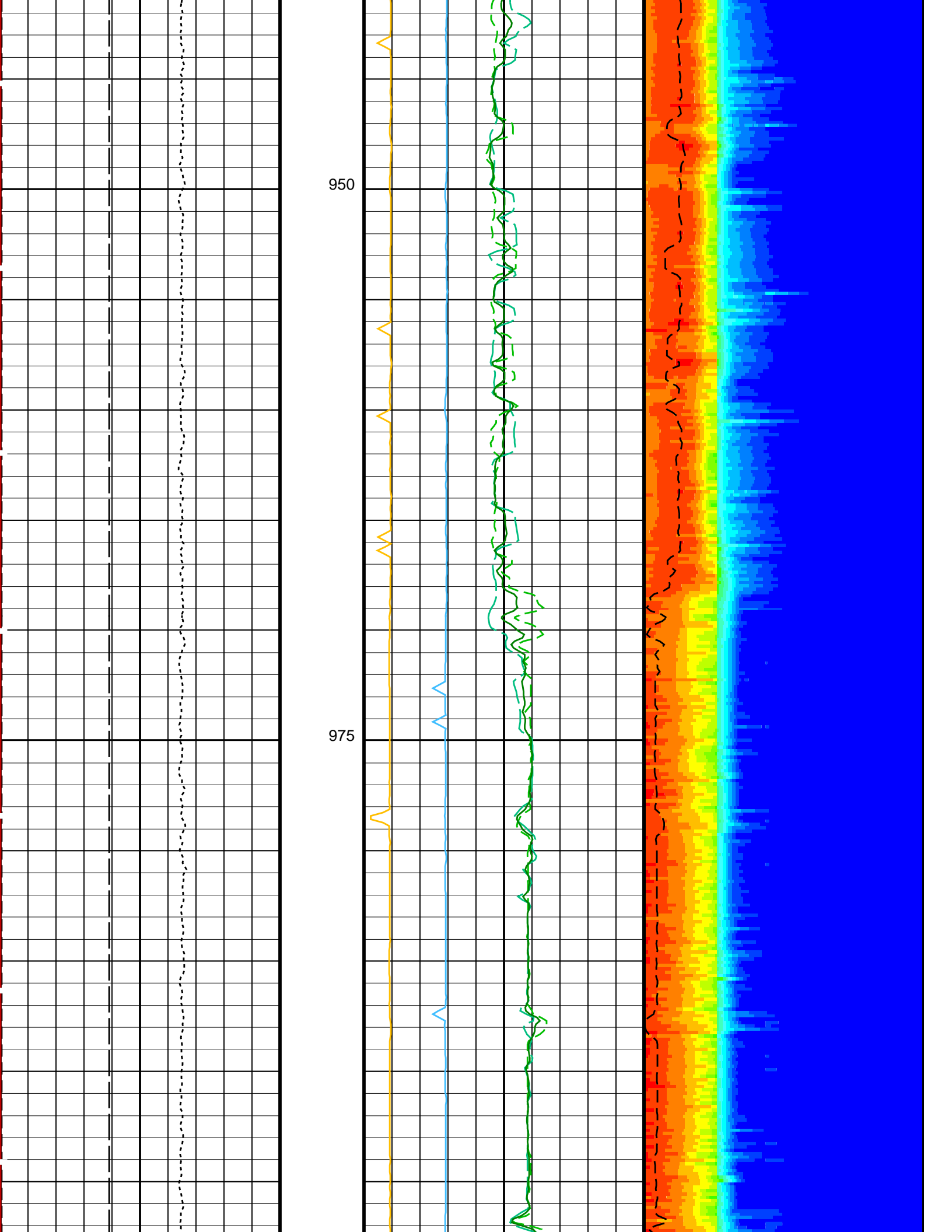


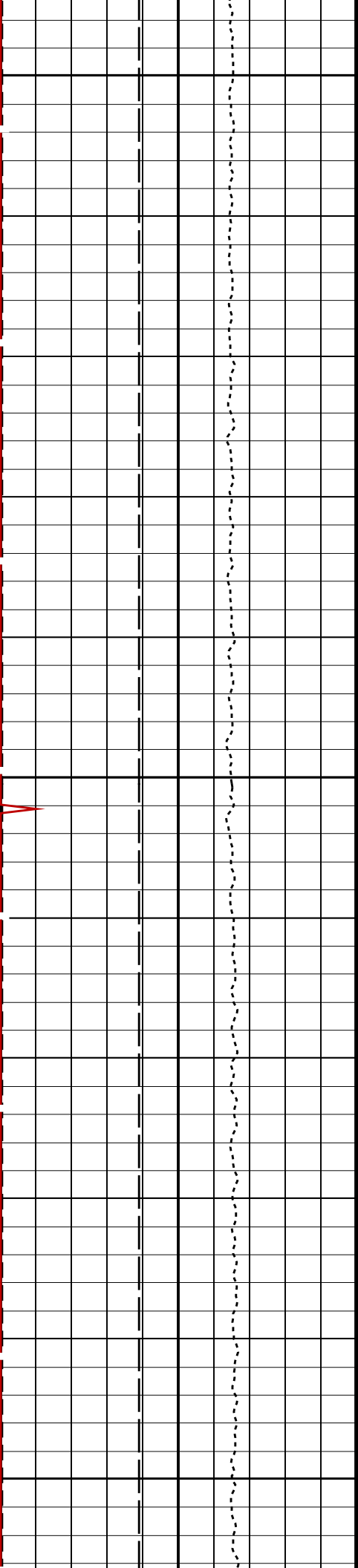
850

875





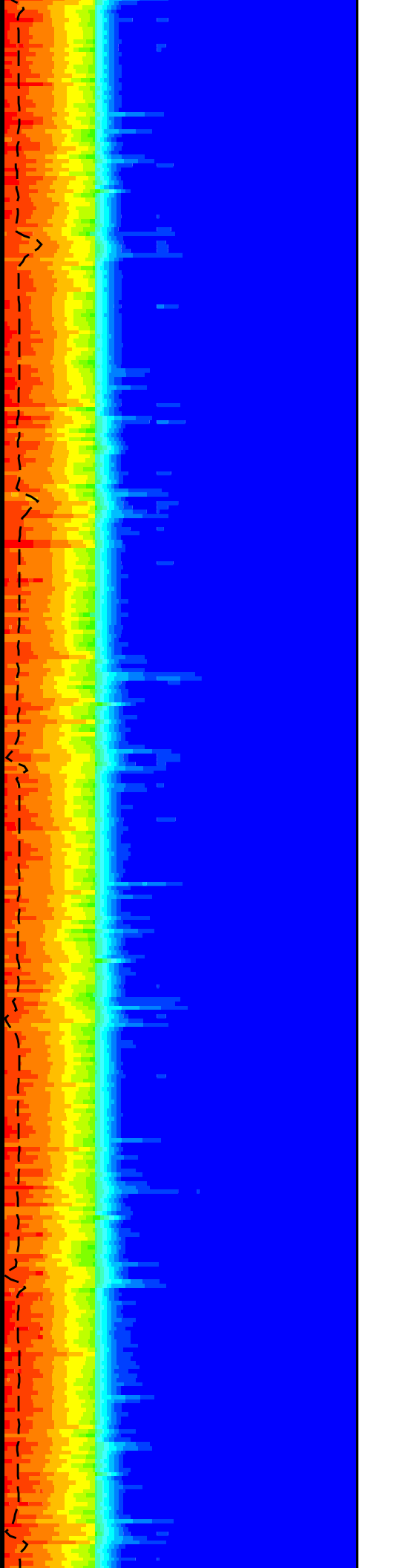
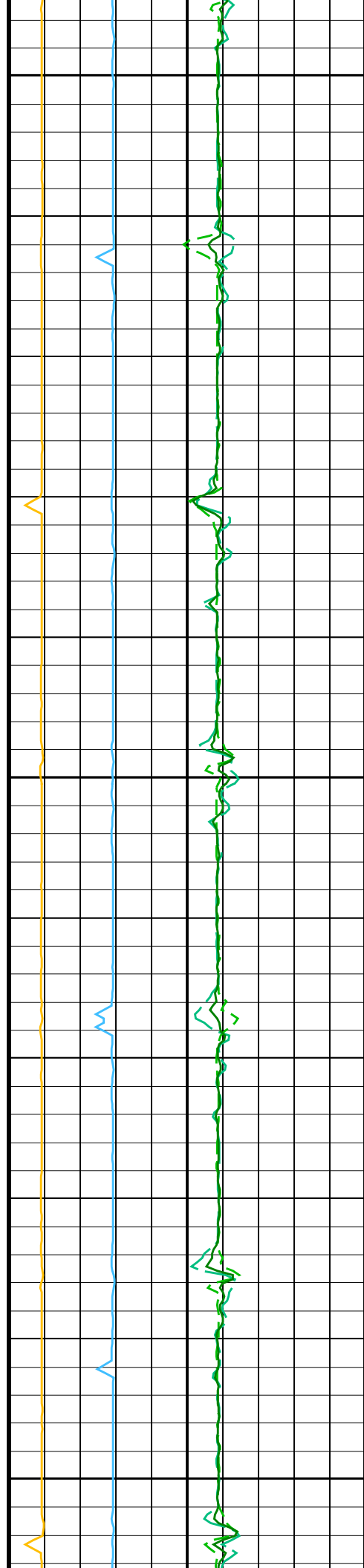


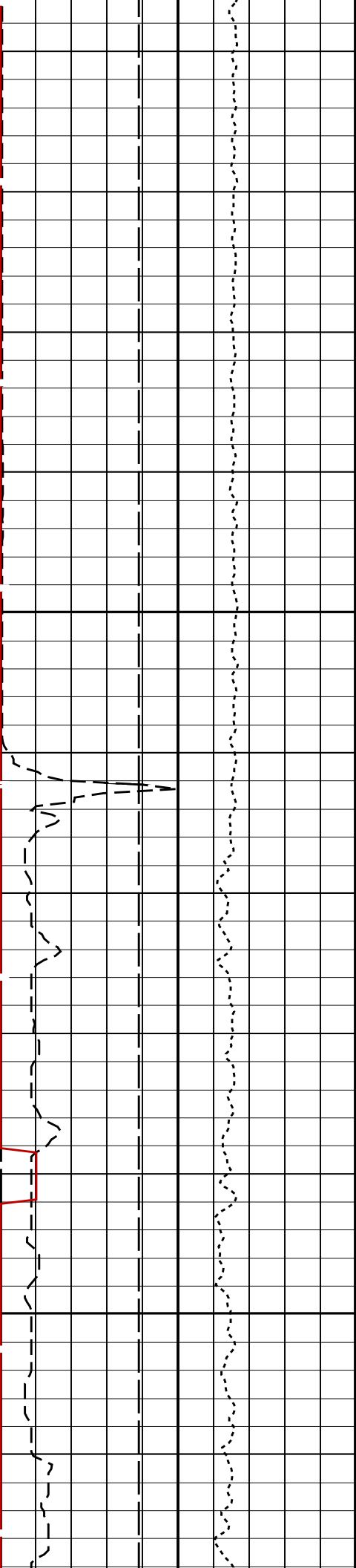


1000

1025

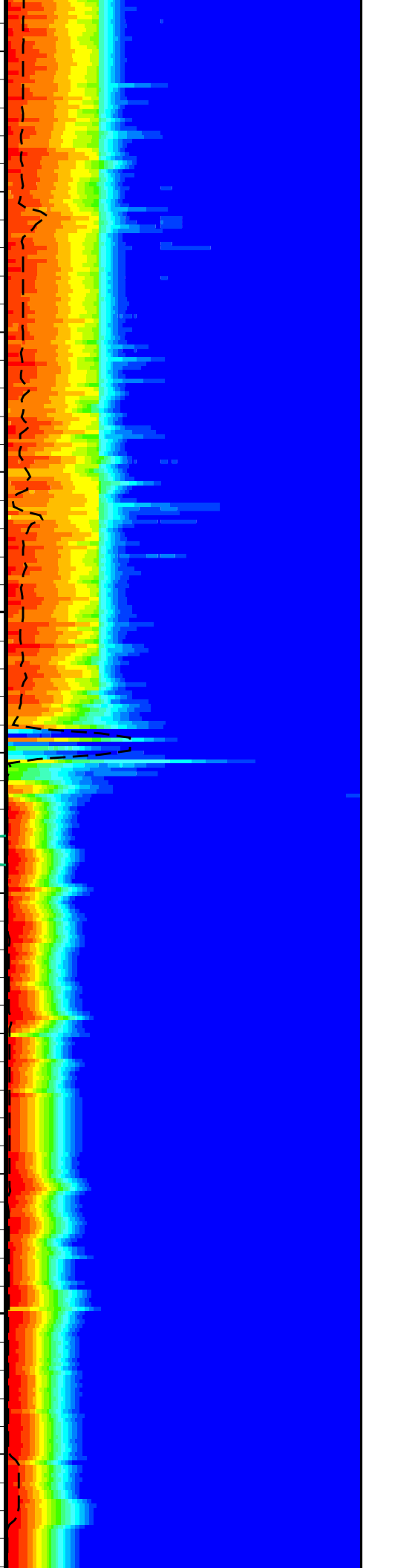
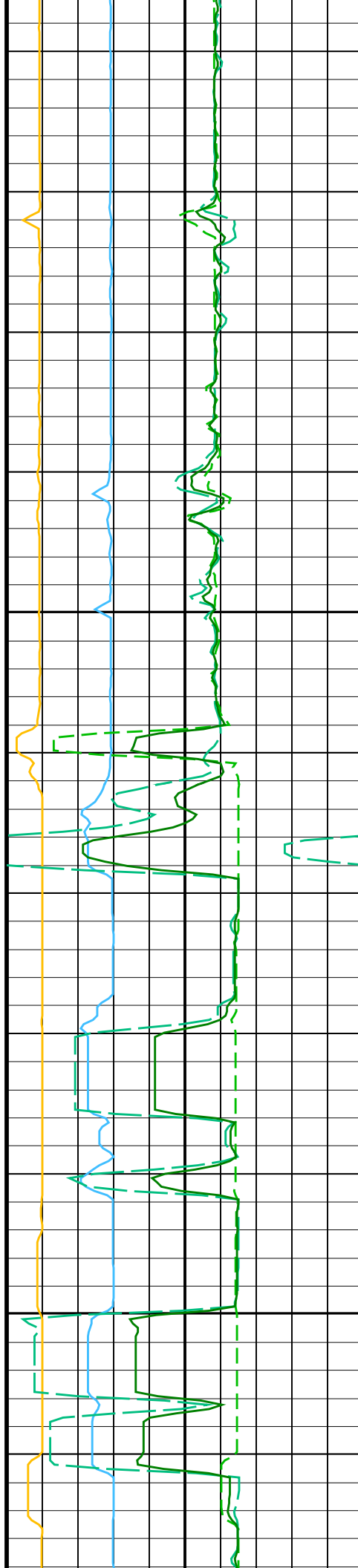
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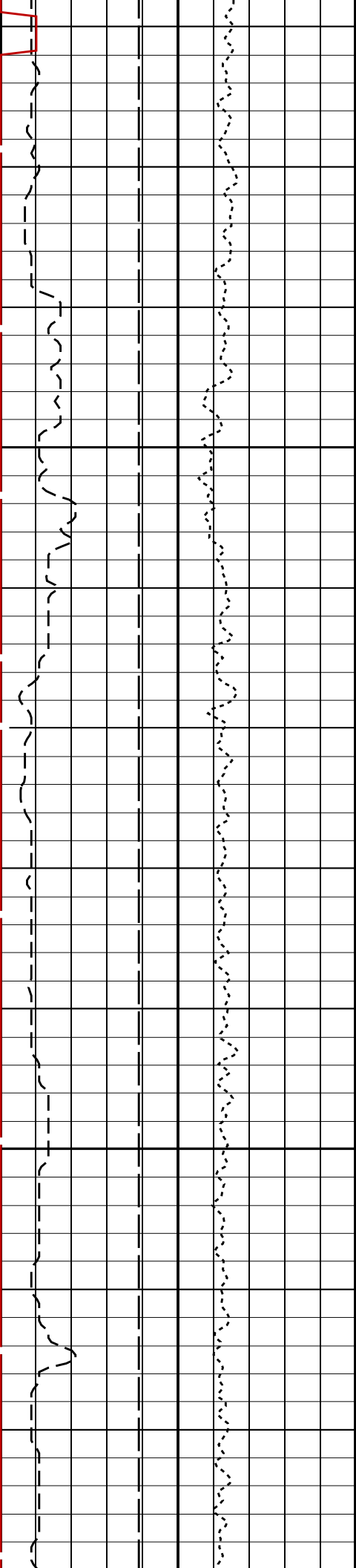




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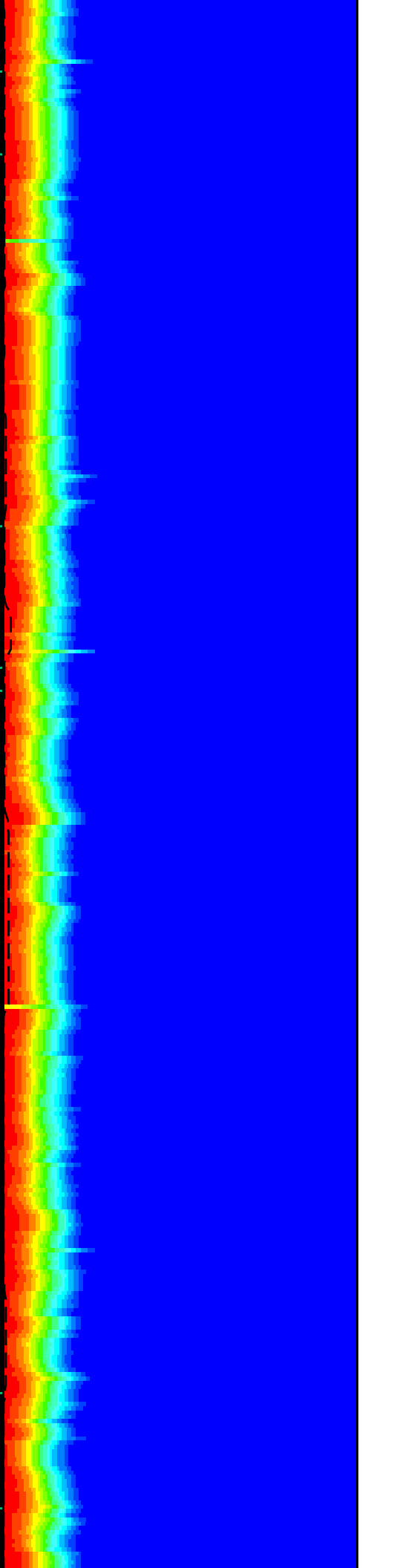
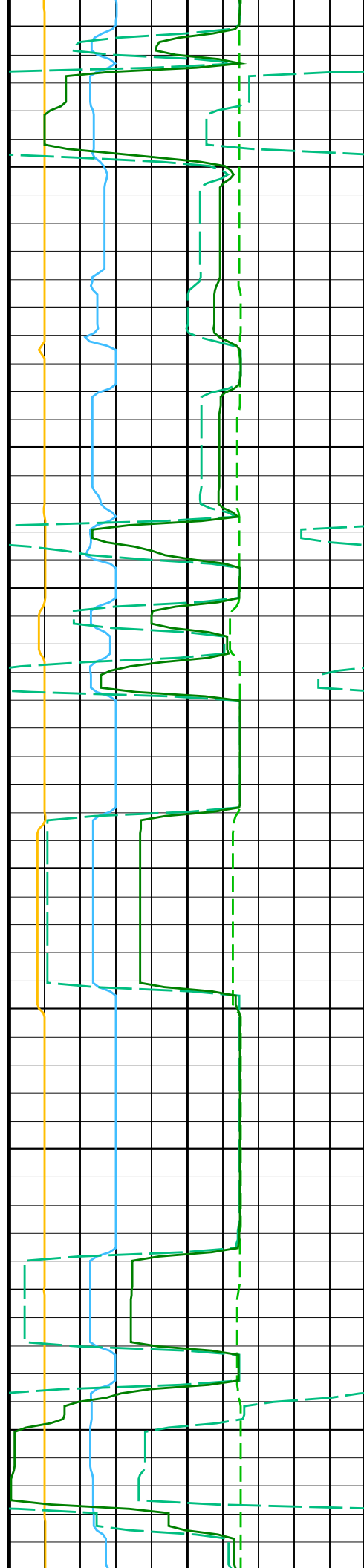
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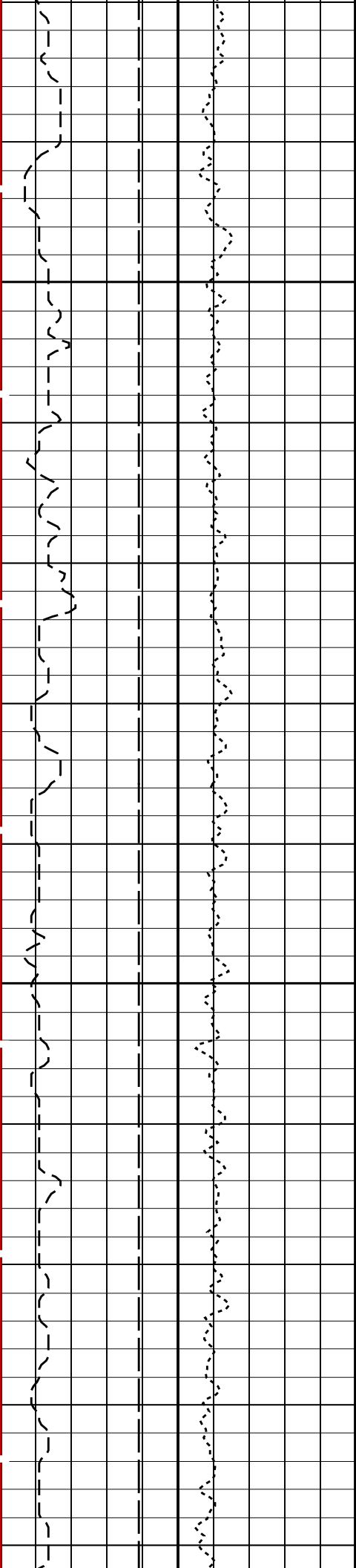




1125

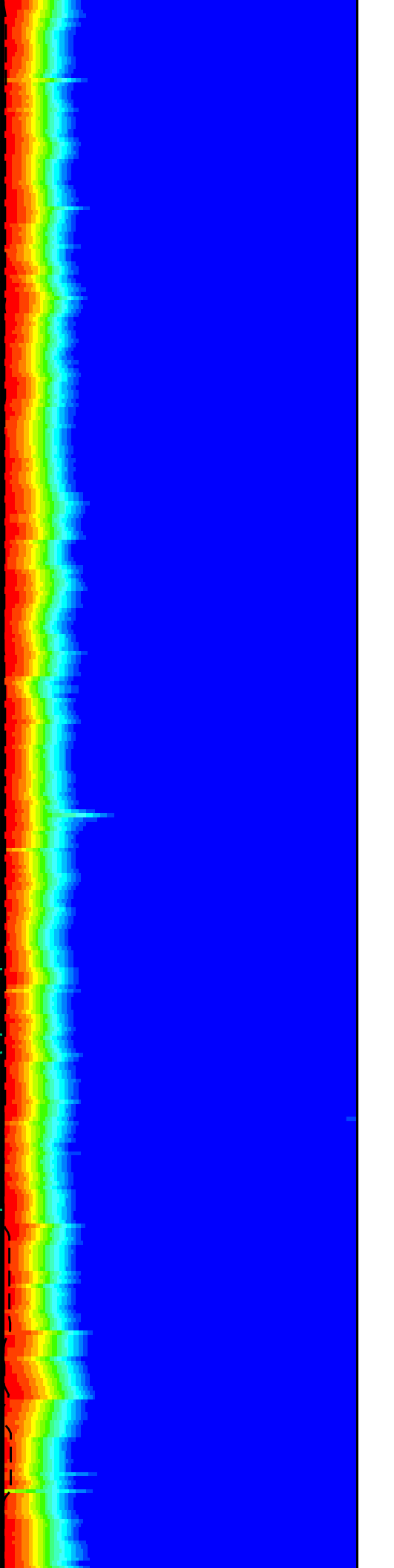
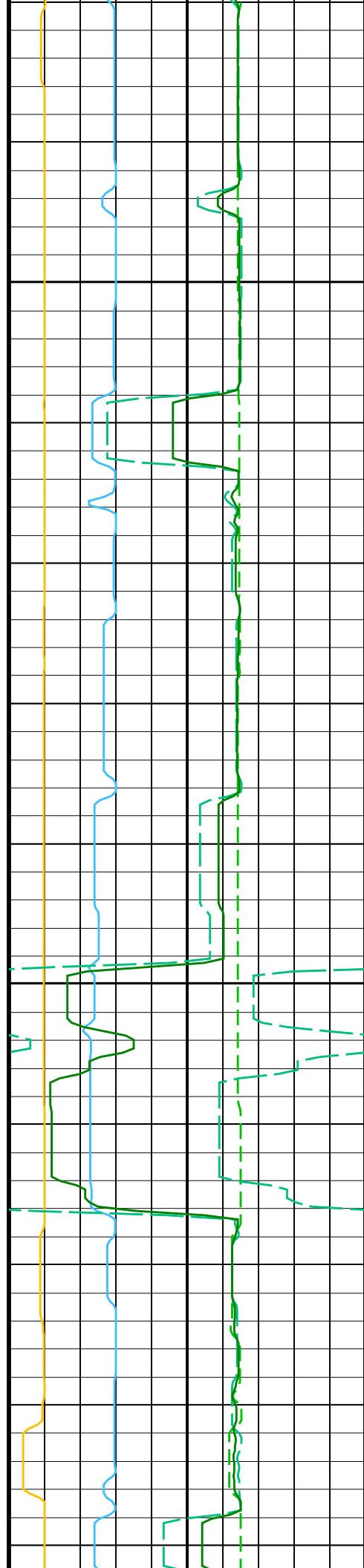
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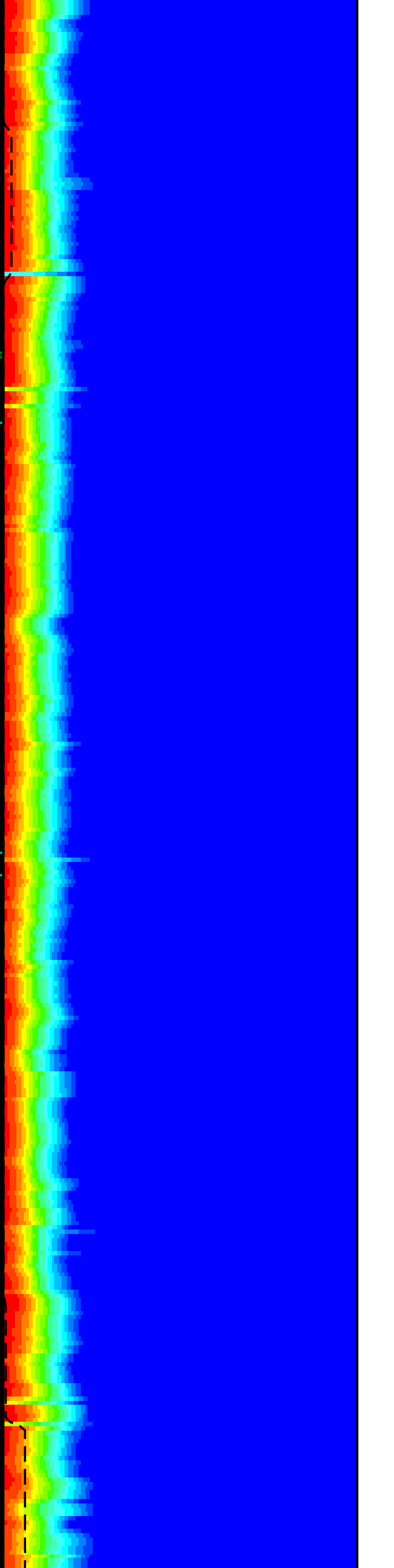
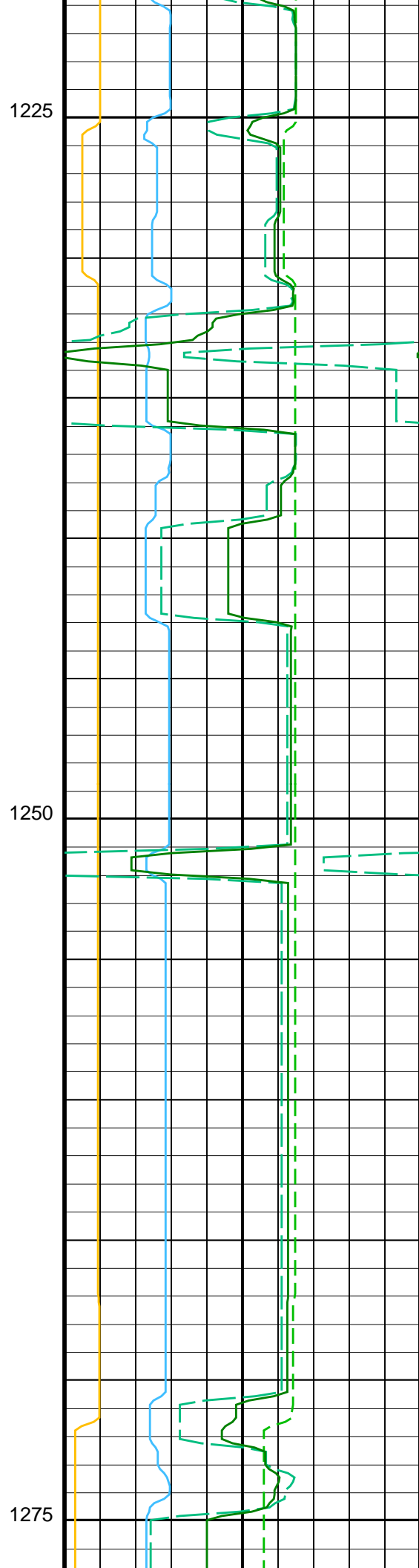
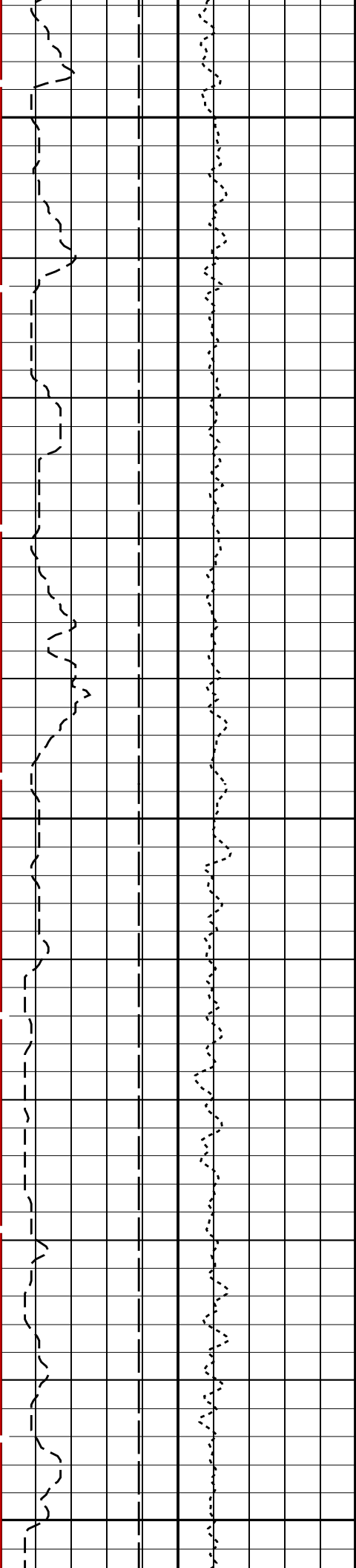


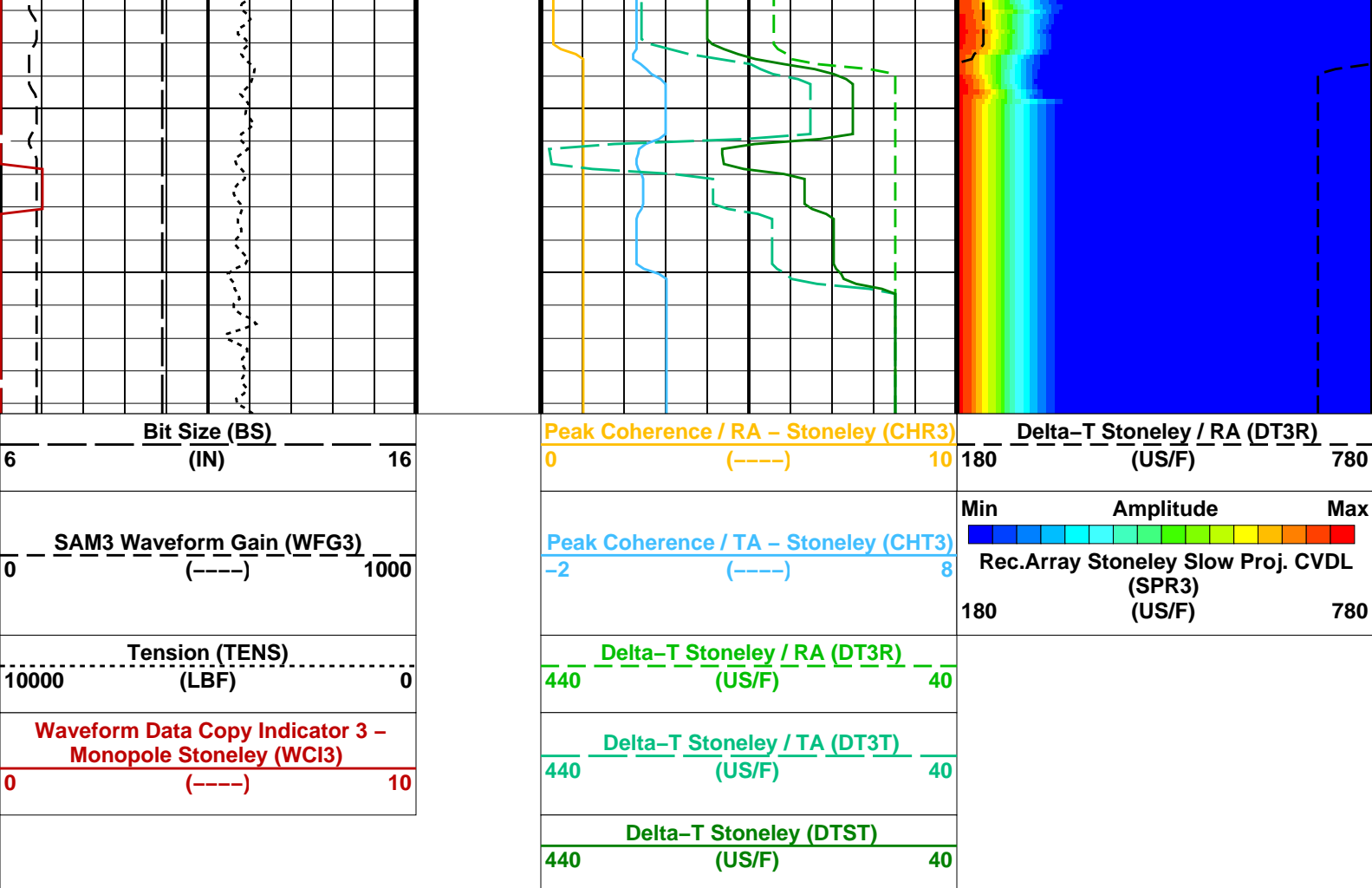


1175

1200







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
TRE3	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	9.875	IN

Format: DSST_STONELEY_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 11-Jan-2024 20:07

OP System Version: 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	DSI_HRLA_LDL_NGS_013LUP	FN:12	PRODUCER 11-Jan-2024 20:07



Callibrations

HNGC-B Cartridge Serial Number	300	11-Jan-2
HNGS-BA Sonde Serial Number	177	11-Jan-2
SERIAL NUMBERS		

Company: International Ocean Discovery Program

Schlumberger

Well: Expedition 401, Site U1610A

Field: Mediterranean–Atlantic Gateway Exchange

Rig: JOIDES Resolution

Country: Portugal

HNGS, HLDS, HRLA, DSI

Gamma, Density, Resistivity, Sonic