

Well: **Expedition 402, Site U1617B**
Field: **Tyrrhenian Continent–Ocean Transition**
Rig: **JOIDES Resolution** Country: **Italy**

Rig:	JOIDES Resolution	High Resolution Laterolog (HRLA)			
Field:	Tyrrhenian Continent–Ocean Transect	Magnetic Susceptibility (MSS)			
Location:	Latitude: N 40° 00.0317'	Natural Gamma / MSS (HNGS)			
Well:	Expedition 402, Site U1617B				
Company:	International Ocean Discovery Program				
LOCATION		Latitude: N 40° 00.0317'		Elev.:	K.B. 0.00 m
		Longitude: E 13° 24.4662'			G.L. –3833.60 m
					D.F. 0.00 m
		Permanent Datum: Sea Floor		Elev.:	–3833.60 m
		Log Measured From: Rig Floor		3833.60 m above Perm. Datum	
		Drilling Measured From: Rig Floor			
Ocean: Mediterranean		Max. Well Deviation 5 deg		Longitude E 13.40777*	Latitude N 40.00053*

Logging Date			30-Mar-2024					
Run Number			3					
Depth Driller			3204 m					
Schlumberger Depth			3198 m					
Bottom Log Interval			3198 m					
Top Log Interval			2833.6 m					
Casing Driller Size @ Depth			5.500 in @ 3170 m			@		
Casing Schlumberger			3170 m					
Bit Size			9.875 in					
Type Fluid In Hole			Sea Water					
MUD	Density	Viscosity	1.023 g/cm3					
	Fluid Loss	PH		8.07				
	Source Of Sample		Mudpit					
	RM @ Measured Temperature		0.220 ohm.m @ 23 degC		@			
RMF @ Measured Temperature				@		@		
RMC @ Measured Temperature				@		@		
Source RMF		RMC	N/A		N/A			
RM @ MRT		RMF @ MRT	0.369 @ 5		@ 5	@	@	
Maximum Recorded Temperatures			5 degC					
Circulation Stopped		Time	31-Mar-2024		10:00			
Logger On Bottom		Time	31-Mar-2024		13:00			
Unit Number		Location	627314 Larose, LA					
Recorded By			C. Furman					
Witnessed By			K. Grigar					

[illegible]

Run 3	Run 4

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.




OTHER SERVICES1
OS1: DSI

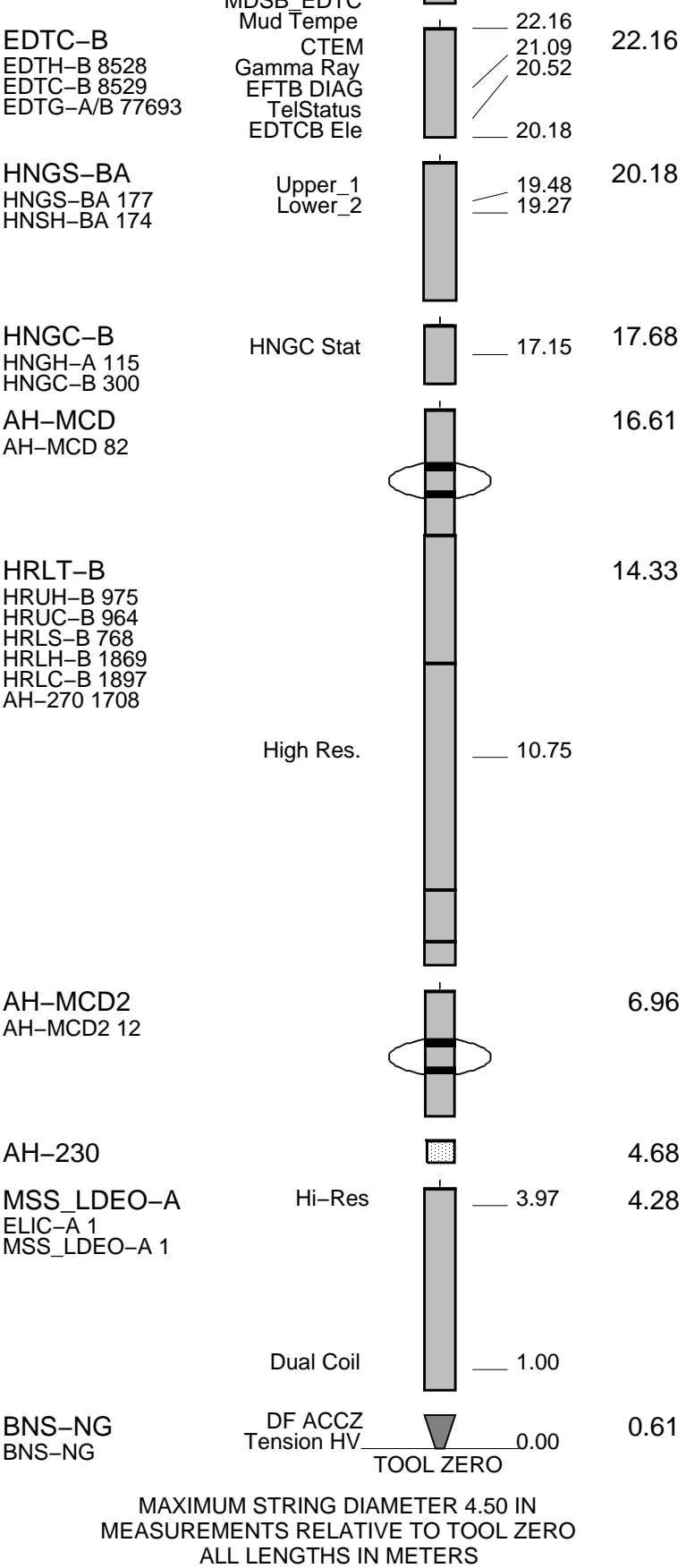
REMARKS: RUN NUMBER 1
Hole drilled with RCB bottom hole assembly (BHA) at 9.875" BS

Drill pipe set at 3170 mbsf (336.8 mbsf)
No Casing present.
Fluid type was seawater, as drilled.
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).
Density tool and caliper excluded from string due to insufficient logging interval between pipe and TD.
Active heave compensator not used on this run due to insufficient interval between pipe and TD.
This was the lower section after moving the pipe down to bypass a ledge; DSI recorded only in upper part.

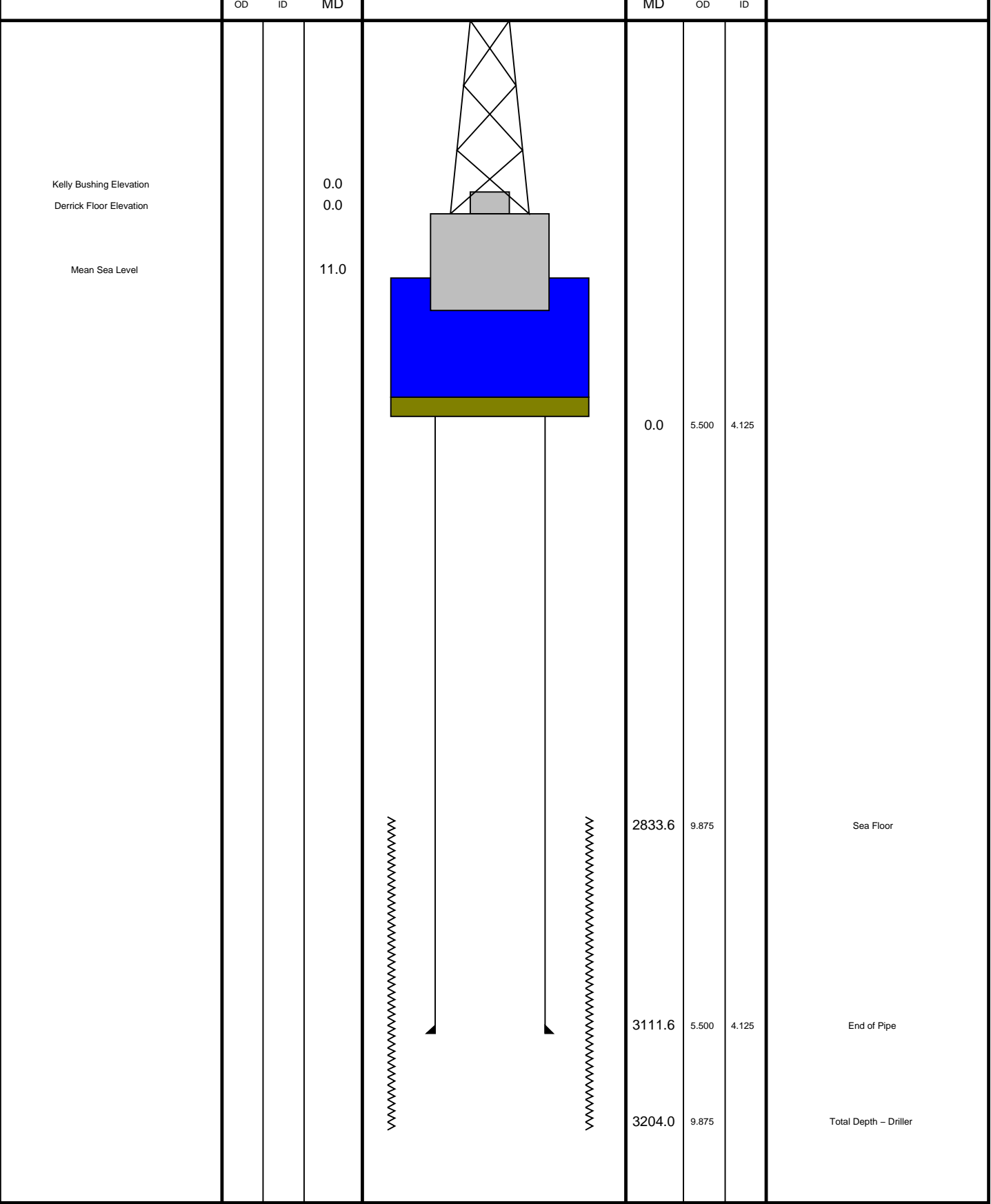
RUN 1 SERVICE ORDER #: PROGRAM VERSION: 19C0-187 FLUID LEVEL:			RUN 2 SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION	
1	...
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RUN 1		RUN 2	
SURFACE EQUIPMENT			
GSR-U 135 WITM (EDTS)-A			
DOWNHOLE EQUIPMENT			
LEH-PT LEH-PT 1060		23.91	
AH-233		22.97	
AH-369		22.60	
MDSR-EDTS			



Production String	(in) (m)	Well Schematic	(m) (in)	Casing String
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Downlog
1:200 Scale

MAXIS Field Log

Company: International Ocean Discovery Program Well: Expedition 402, Site U1617B

Input DLIS Files						
DEFAULT	Flip_MSS_LDEO_HRLA_031LUP	PRODUCER	31-Mar-2024 13:50	3197.9 M	2798.1 M	
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_NGS_032PUP	FN:31	PRODUCER	31-Mar-2024 13:51	3197.8 M	2798.1 M
RTB	MSS_LDEO_HRLA_NGS_032PUP	FN:32	PRODUCER	31-Mar-2024 13:51	3197.8 M	2798.1 M

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-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)
(GAPI) 0 100

Area1
From HCGR to HSGR

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

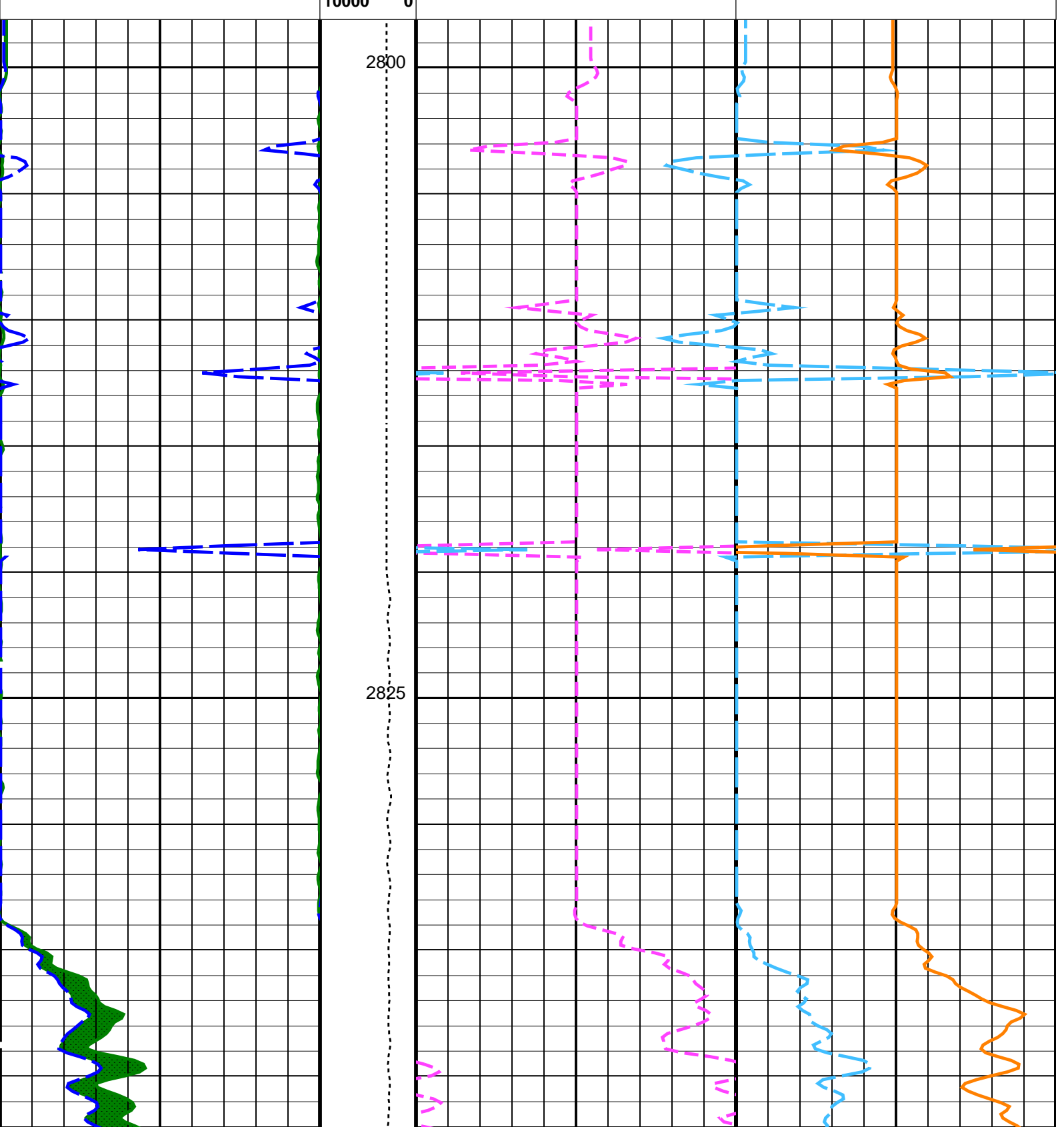
Tension
(TENS)
(LBF) 10000 0

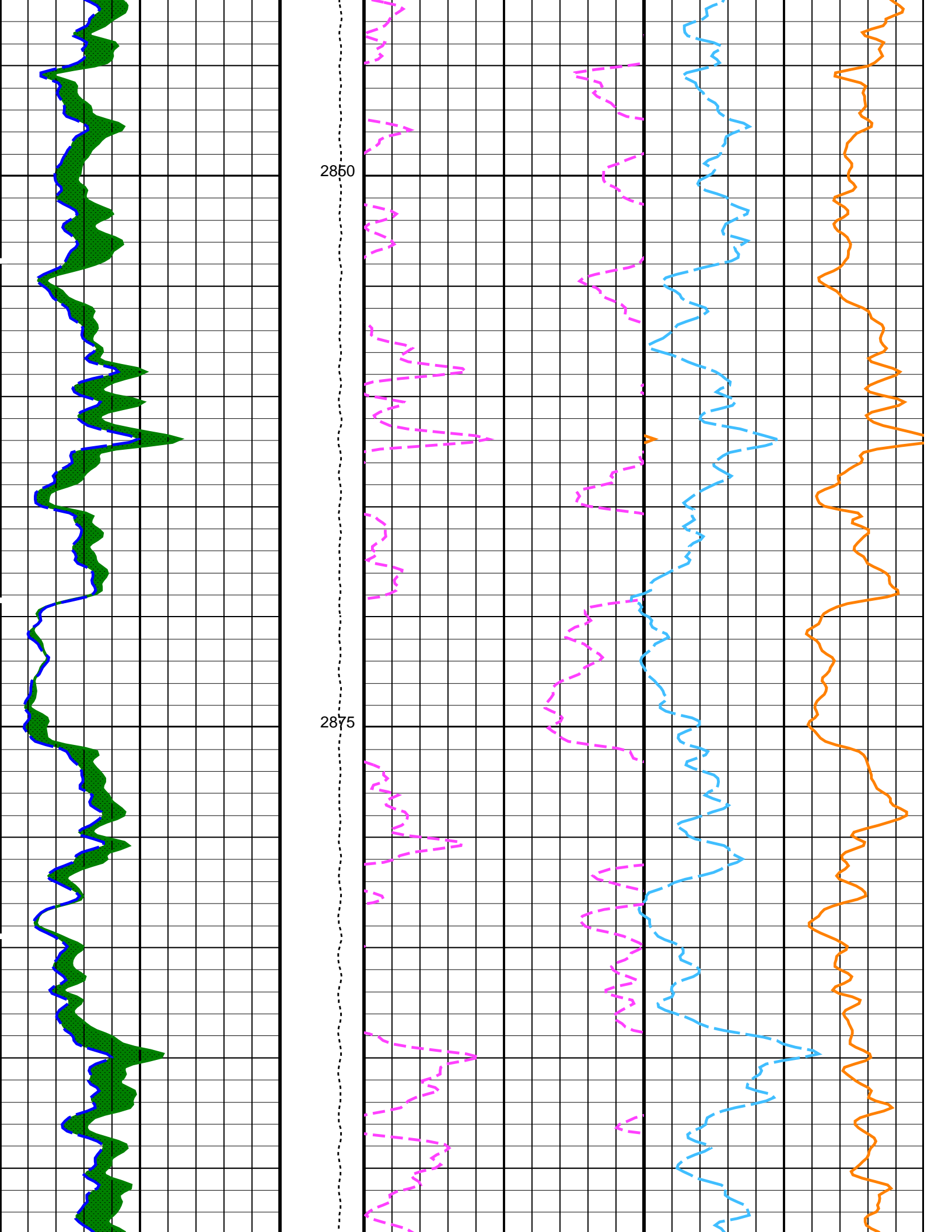
HNGS Borehole Potassium (HBHK)
(V/V) -0.01 0.01

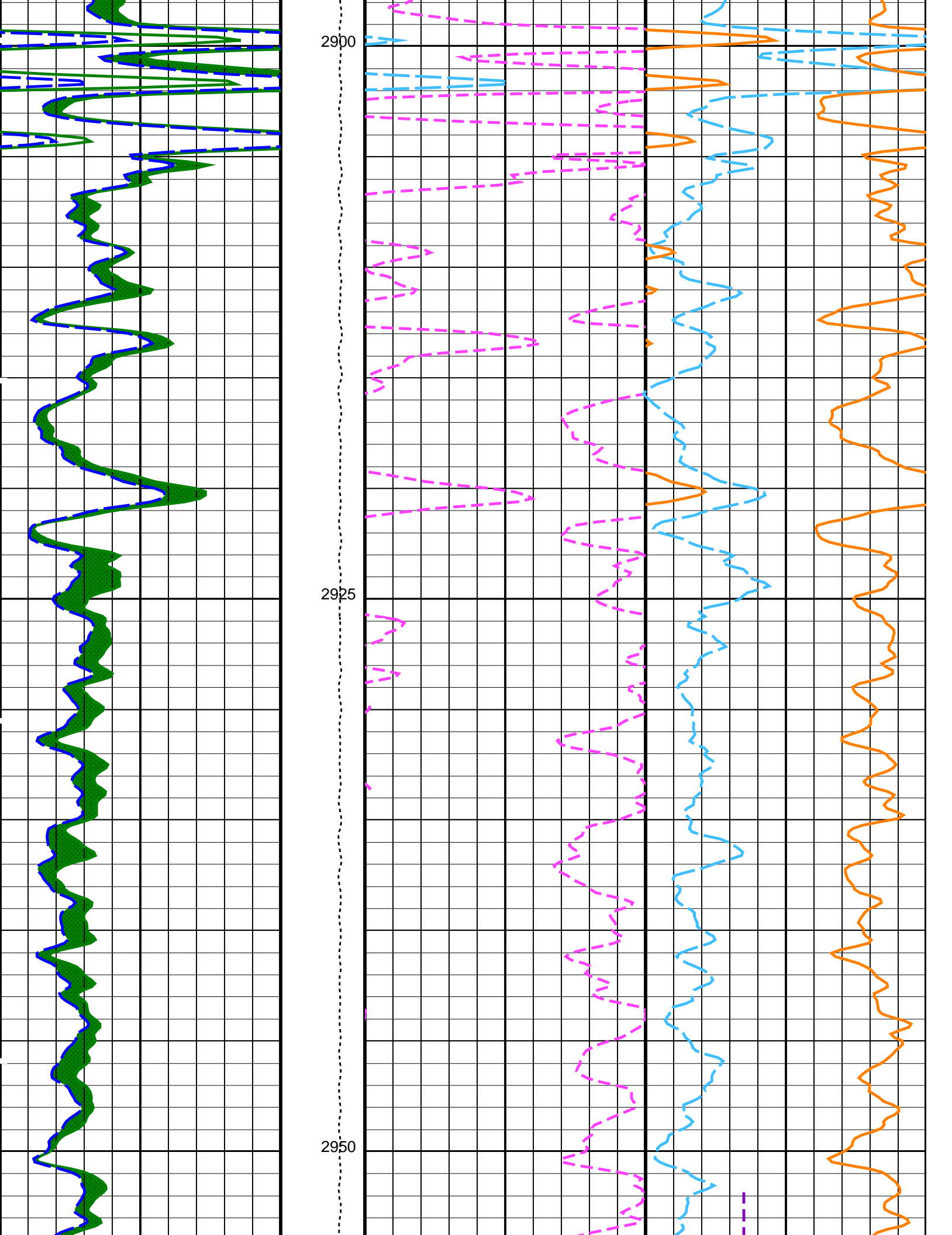
HNGS Uranium (HURA)
(PPM) -5 5

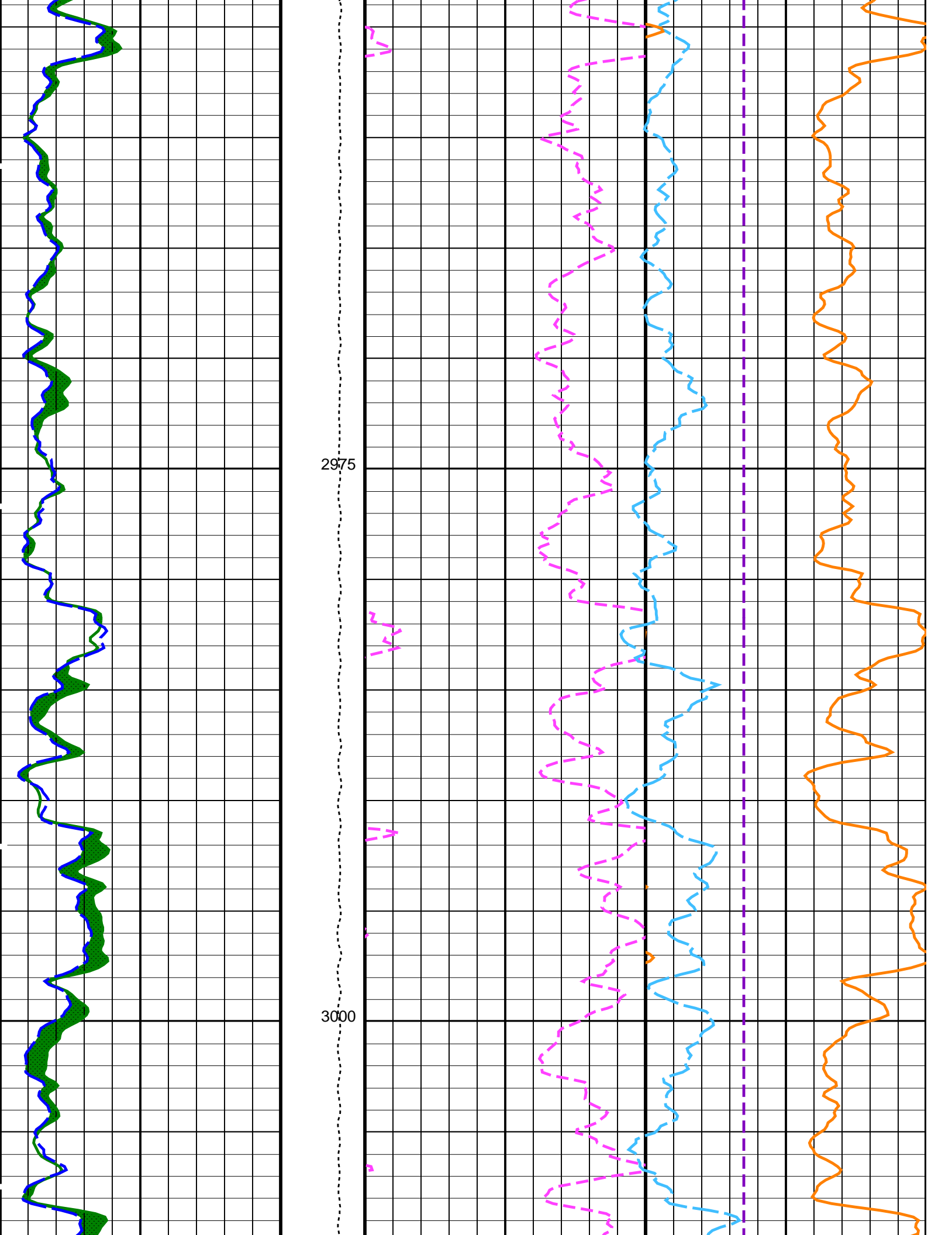
HNGS Thorium (HTHO)
(PPM) -5 5

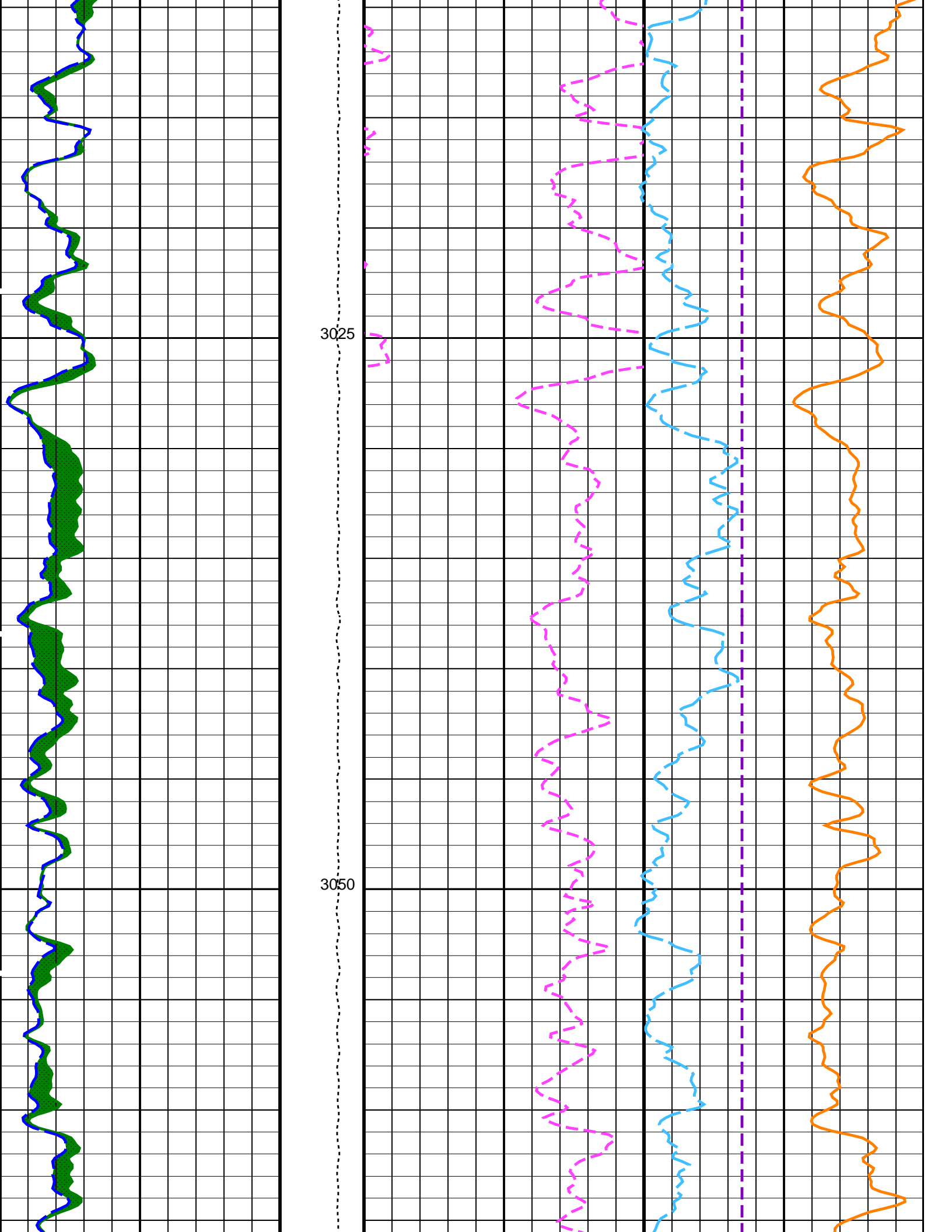
HNGS Potassium (HFK)
(V/V) -0.01 0.01

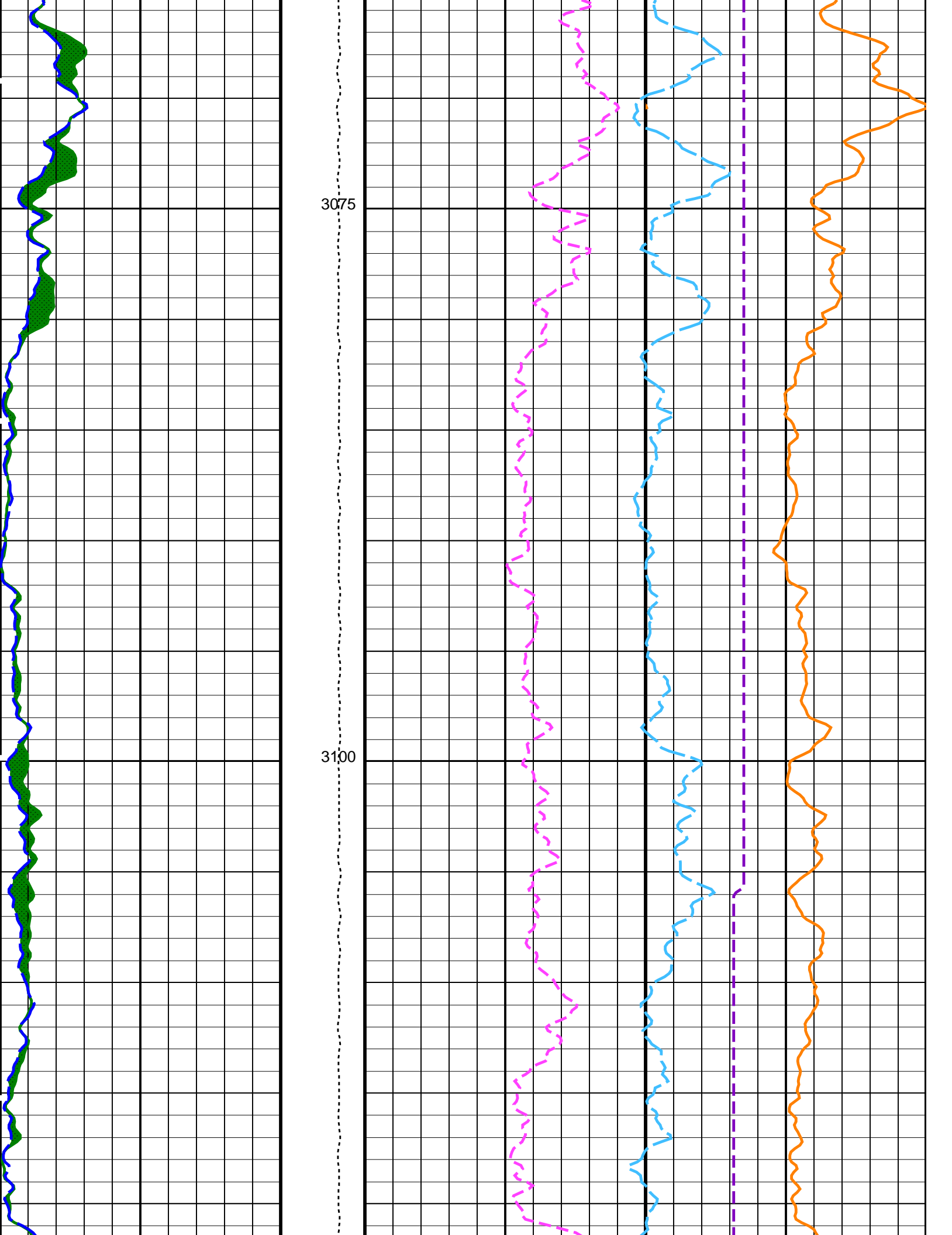


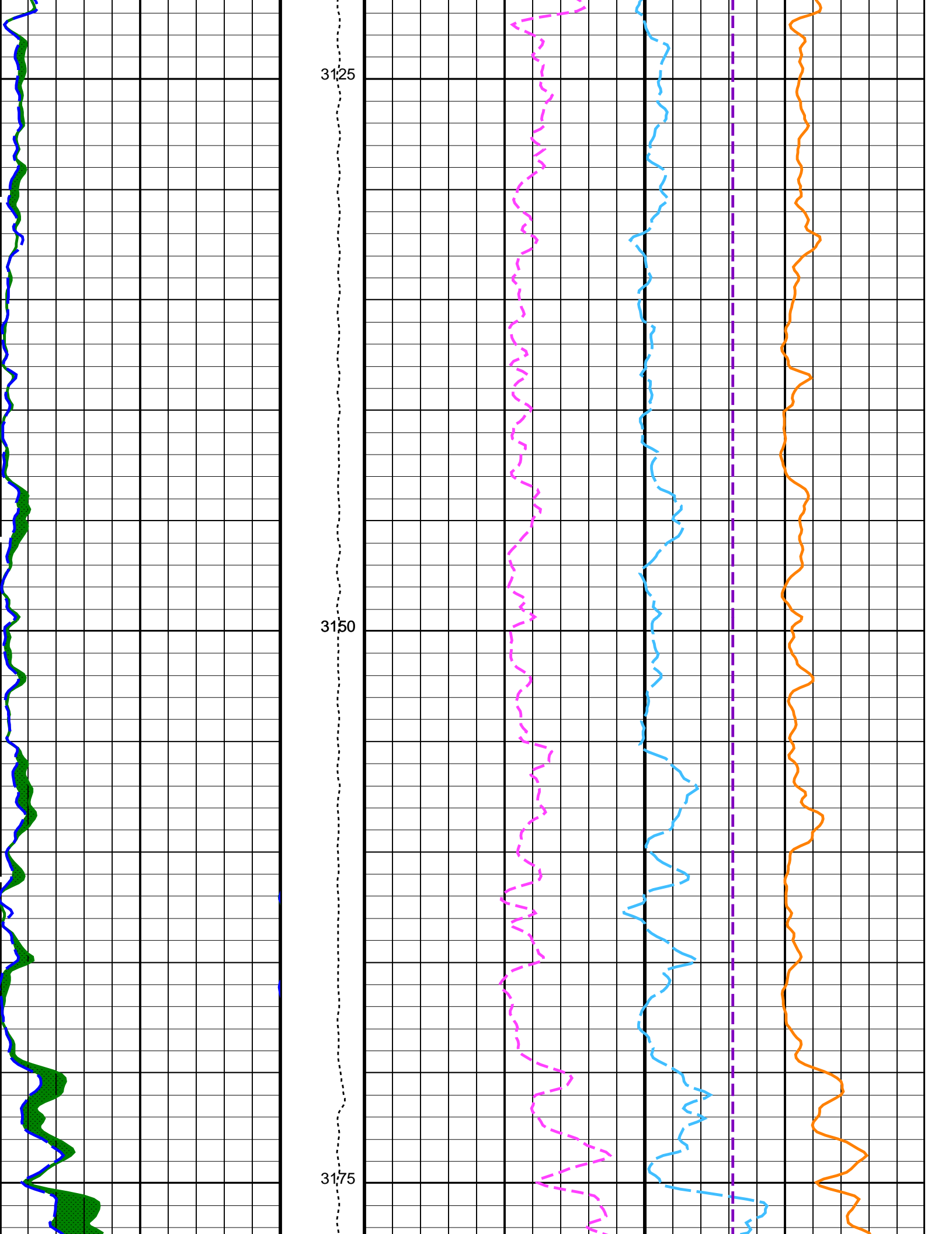


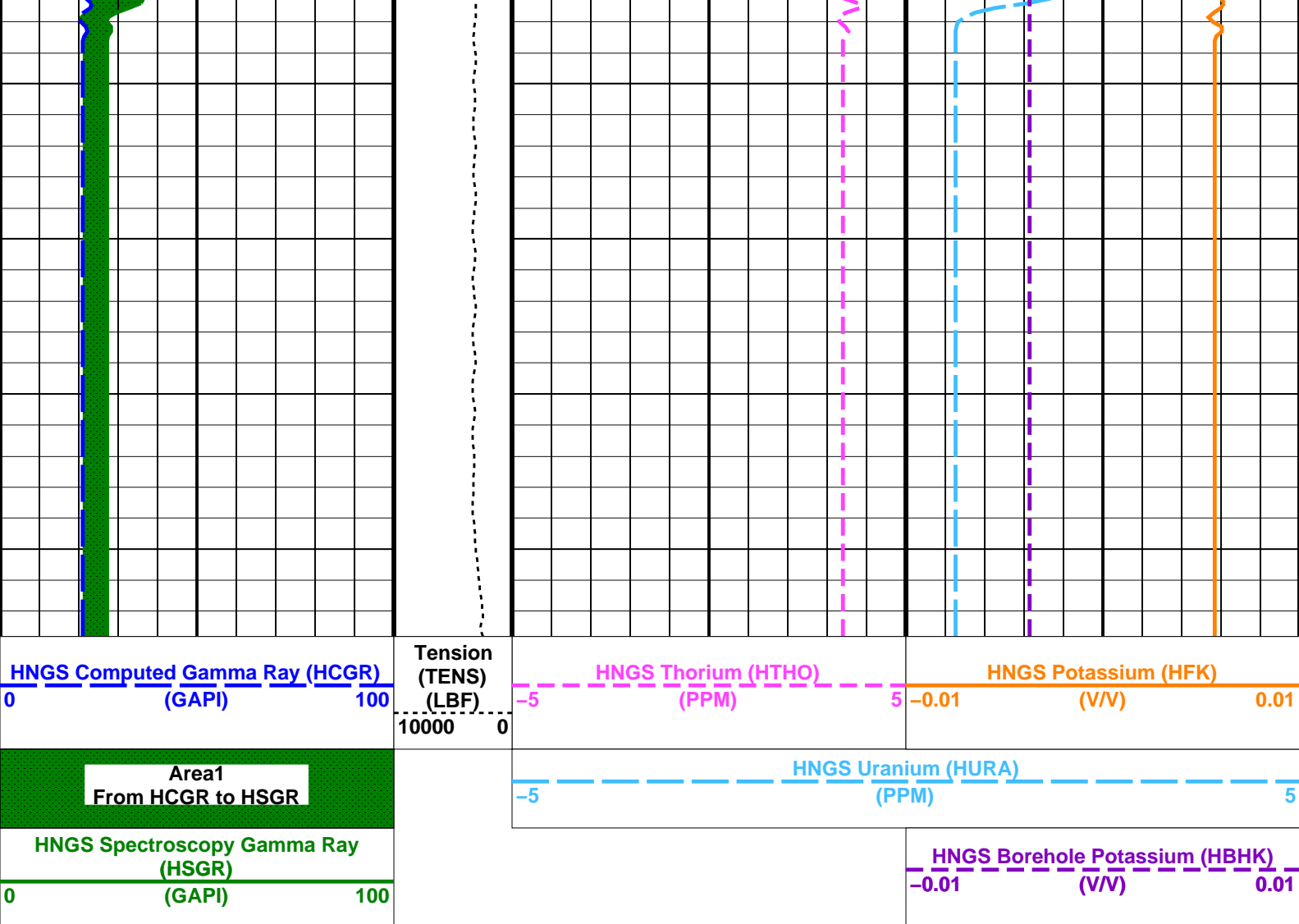












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	HRLT-B: High Resolution Laterolog Array - B	
GCSE	Borehole Status	OPEN
	Generalized Caliper Selection	BS
	HNGS-BA: Hostile Natural Gamma Ray Sonde	
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	BS
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.00402103
HALF	HNGS Alpha Filter Length	60 IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE
HMWM	Mud Weighting Material	NATU
HNPE	HNGS Processing Enable	YES
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3 CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3 CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES
TPOS	Tool Position	ECCE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990802
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.952335
	EDTC-B: Enhanced DTS Cartridge	
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
	System and Miscellaneous	

System and Miscellaneous		Bit Size	9.875	IN
BS	DFD	Drilling Fluid Density	1.02	G/C3
DO		Depth Offset for Playback	0.0	M
PP		Playback Processing	NORMAL	

Format: HNGSYields	Vertical Scale: 1:200	Graphics File Created: 31-Mar-2024 13:51
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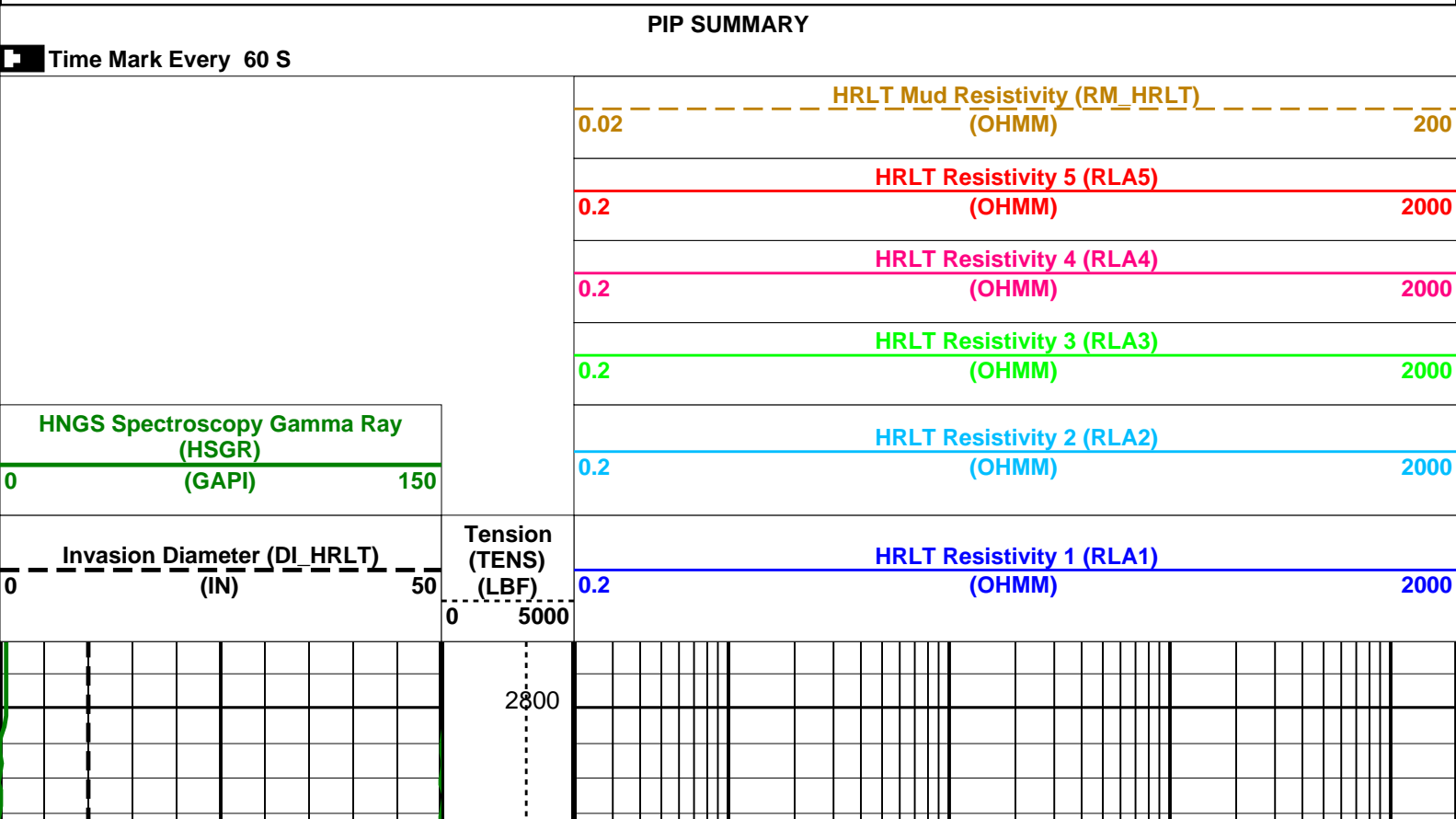
OP System Version: 19C0-187				
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187	
HNGC-B	19C0-187	HNGS-BA	19C0-187	
EDTC-B	19C0-187			

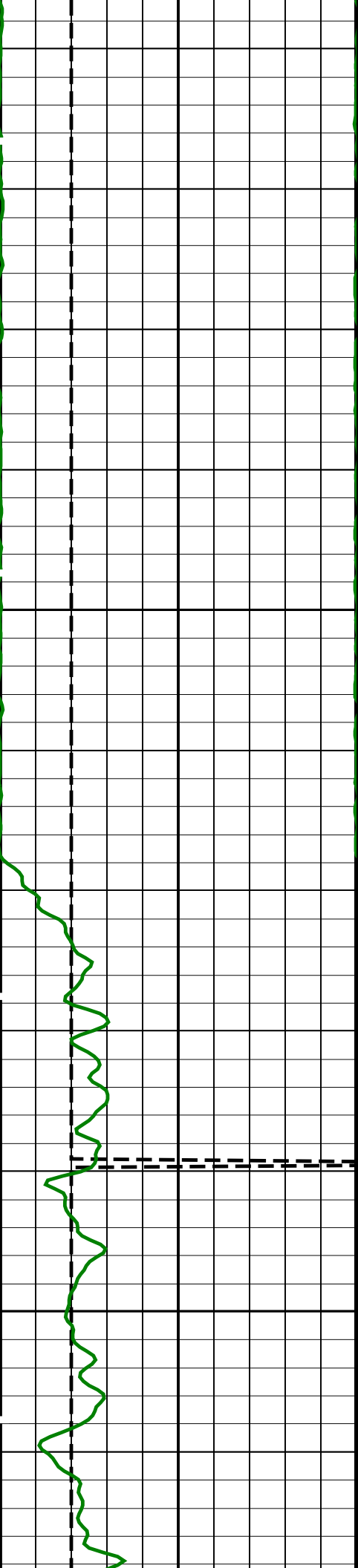
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Output DLIS Files				
DEFAULT	MSS_LDEO_HRLA_NGS_032PUP	FN:31	PRODUCER	31-Mar-2024 13:51
RTB	MSS_LDEO_HRLA_NGS_032PUP	FN:32	PRODUCER	31-Mar-2024 13:51

Company: International Ocean Discovery Program	Well: Expedition 402, Site U1617B
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Input DLIS Files				
DEFAULT	Flip_MSS_LDEO_HRLA_031LUP	PRODUCER	31-Mar-2024 13:50	3197.9 M 2798.1 M
Output DLIS Files				
DEFAULT	MSS_LDEO_HRLA_NGS_032PUP	FN:31	PRODUCER	31-Mar-2024 13:51 3197.8 M 2798.1 M
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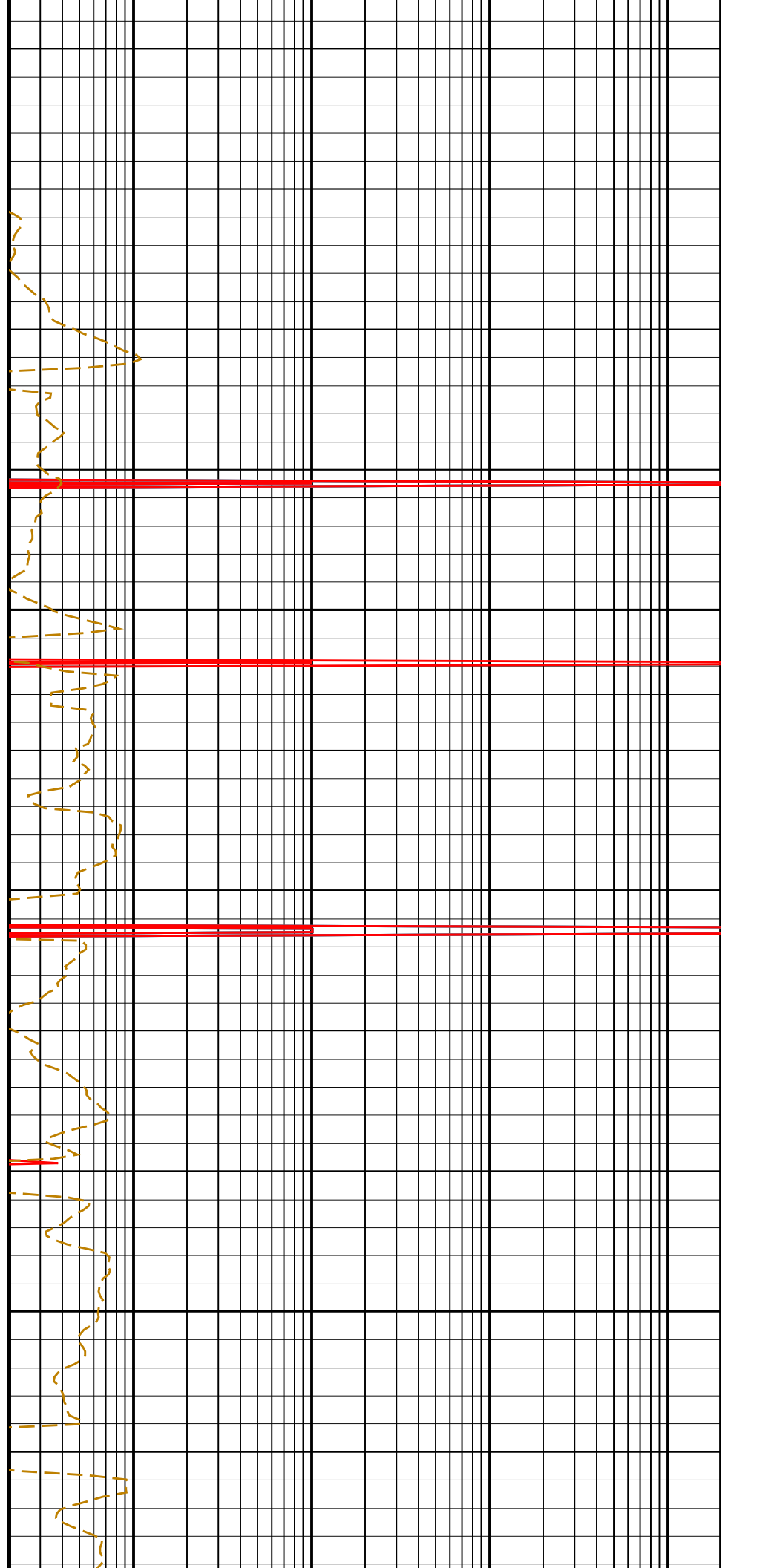
OP System Version: 19C0-187				
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187	
HNGC-B	19C0-187	HNGS-BA	19C0-187	
EDTC-B	19C0-187			

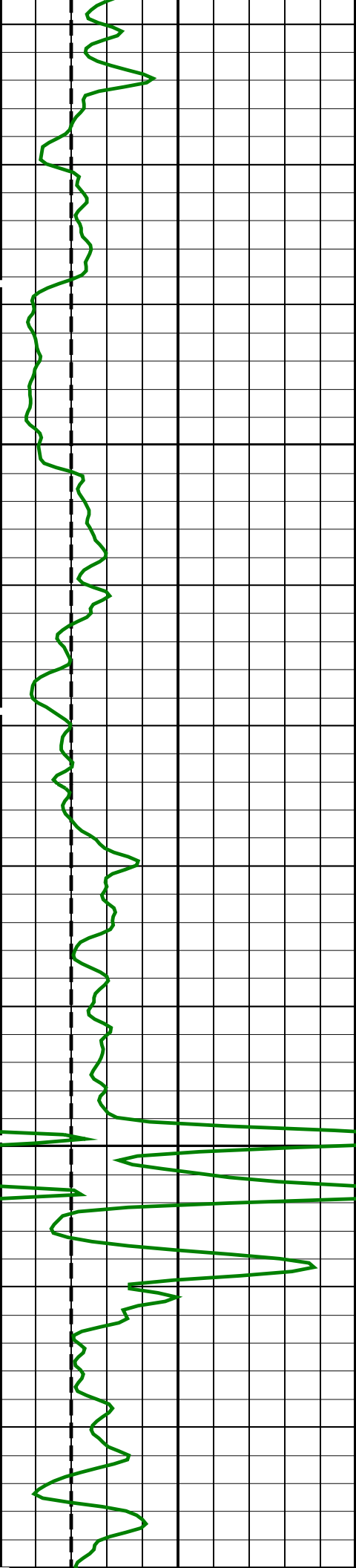




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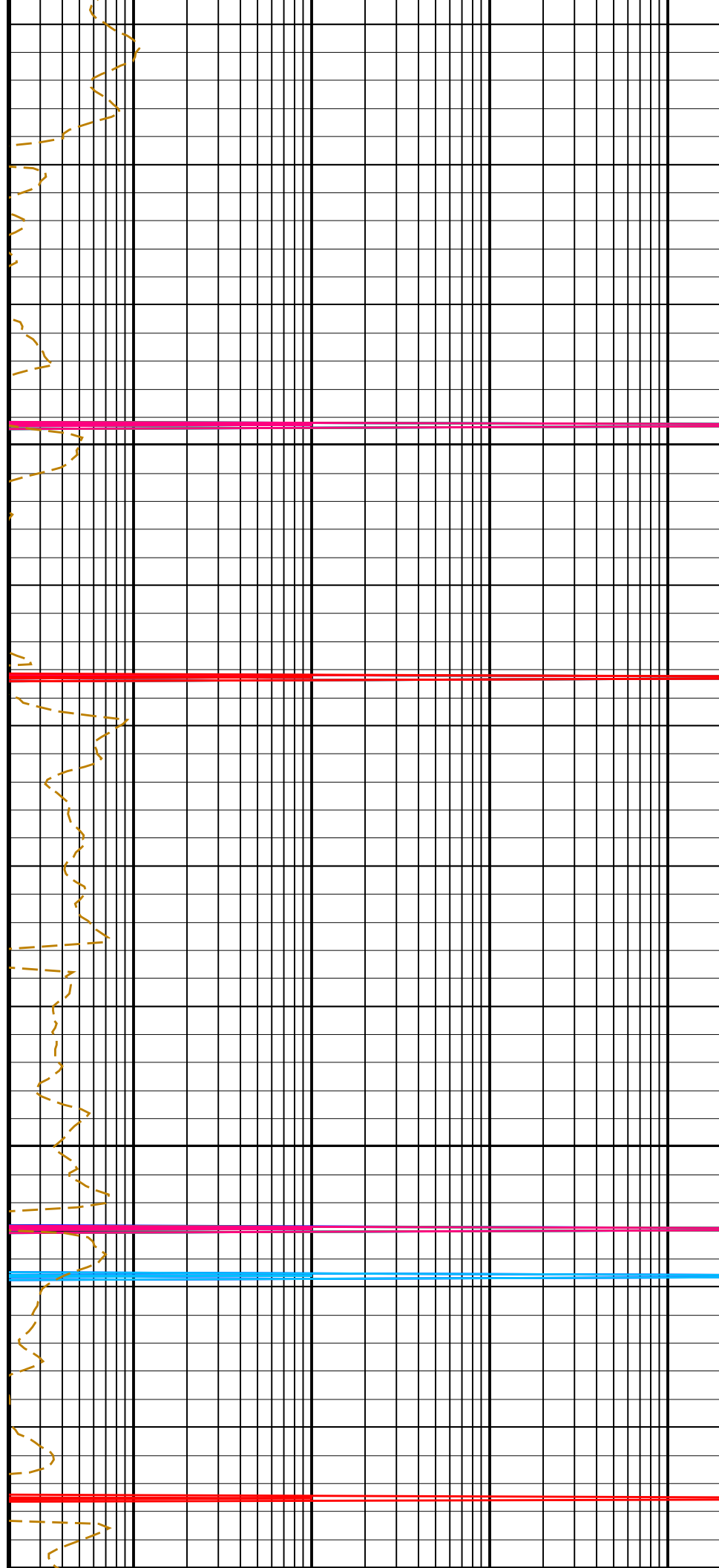
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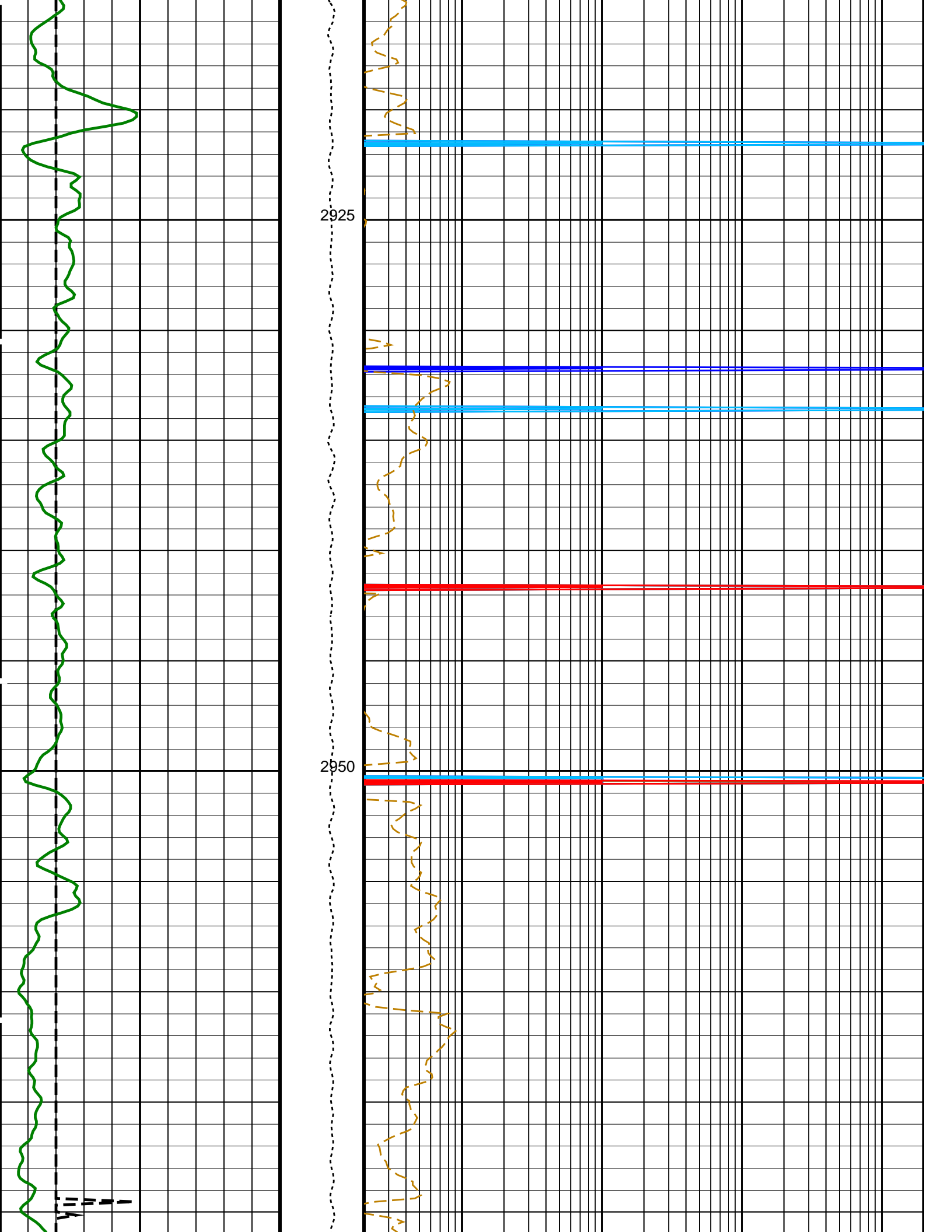


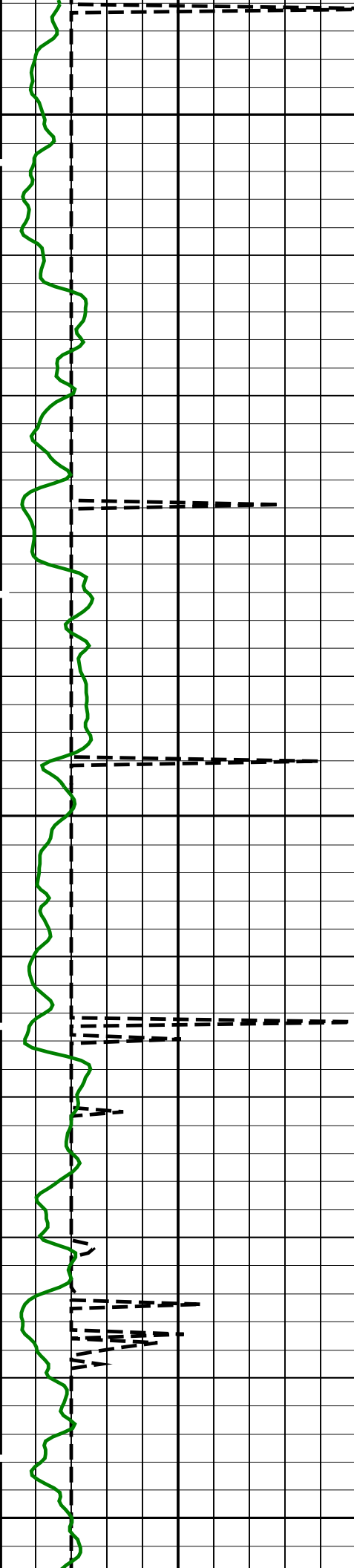


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2900



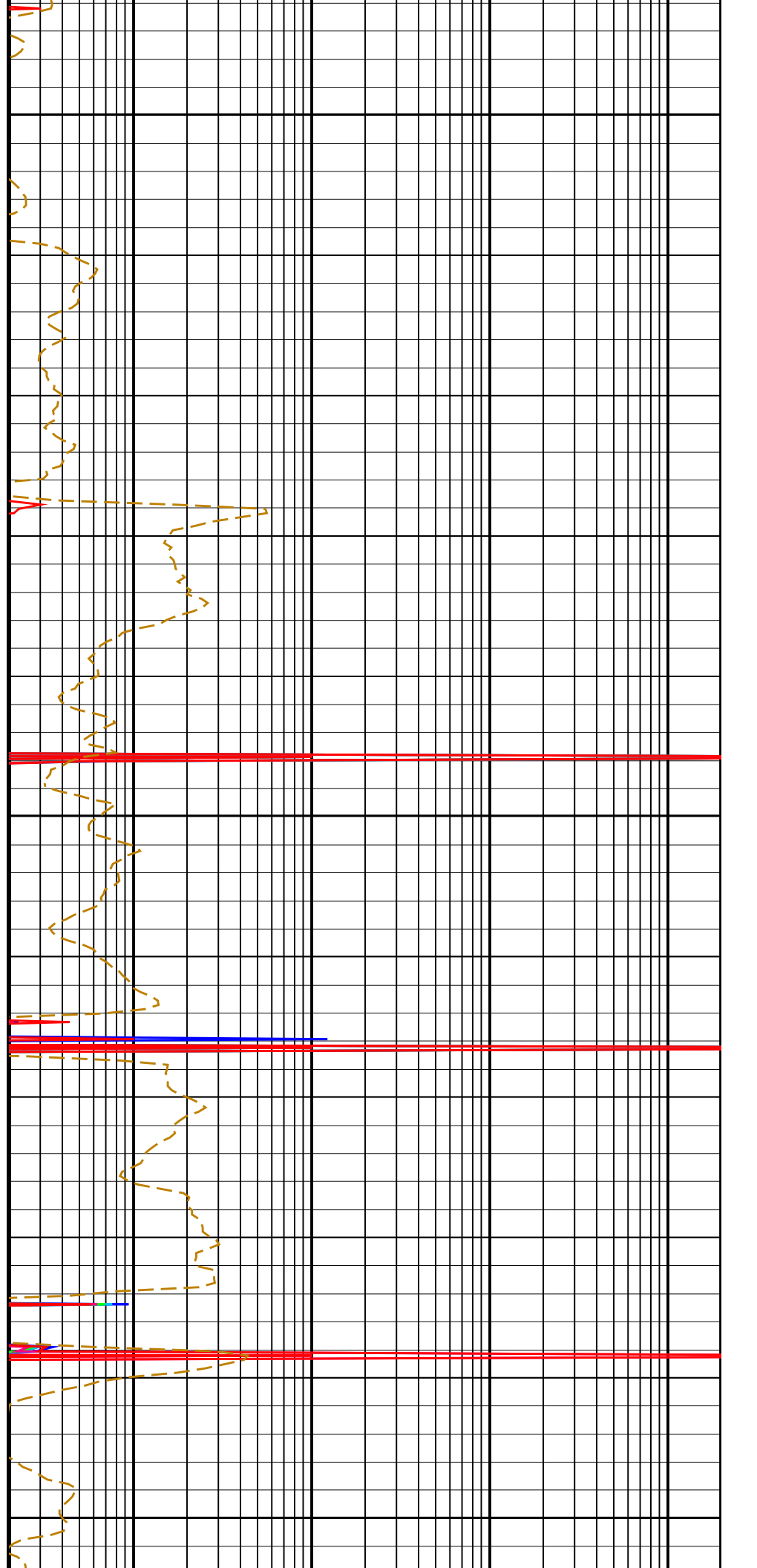


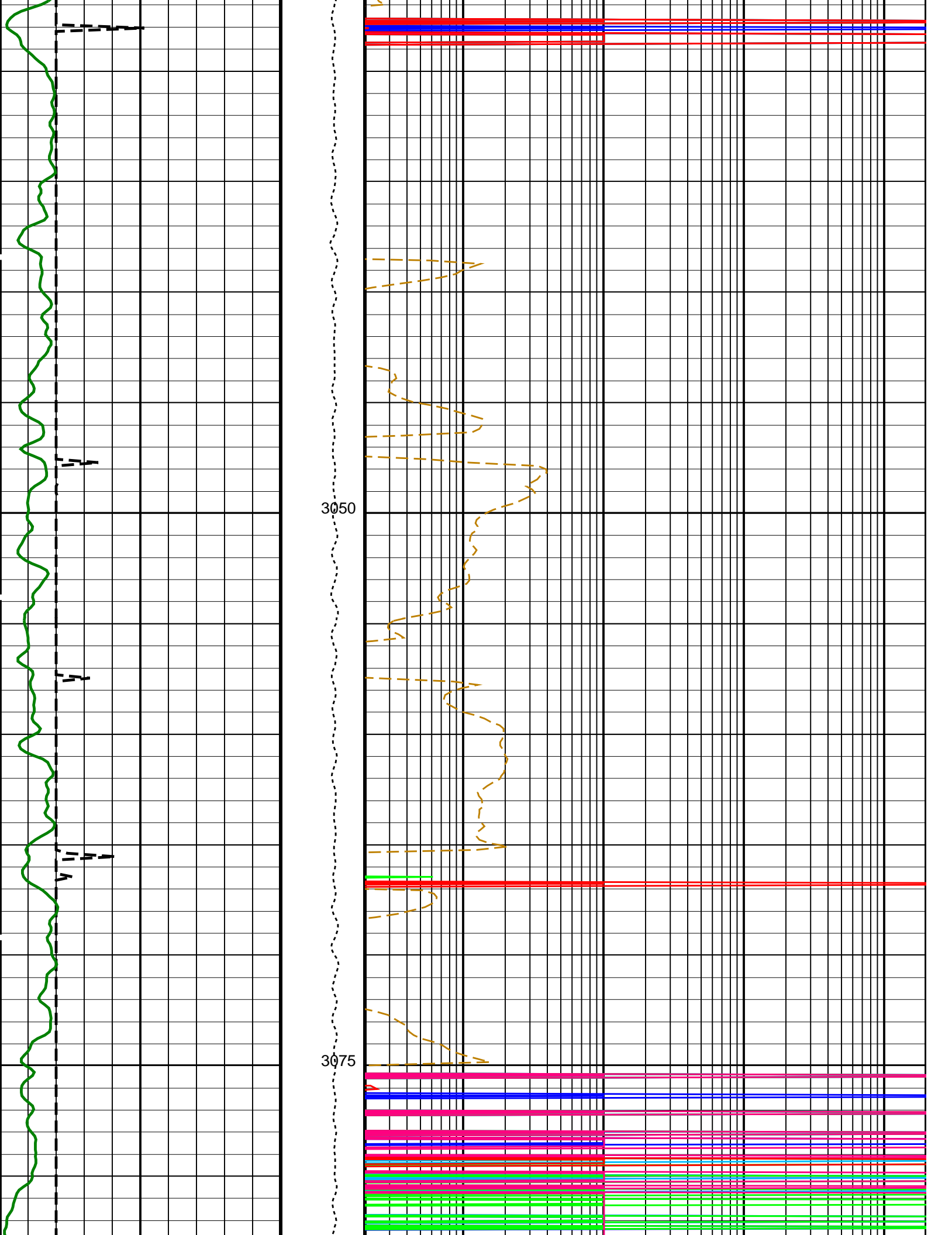


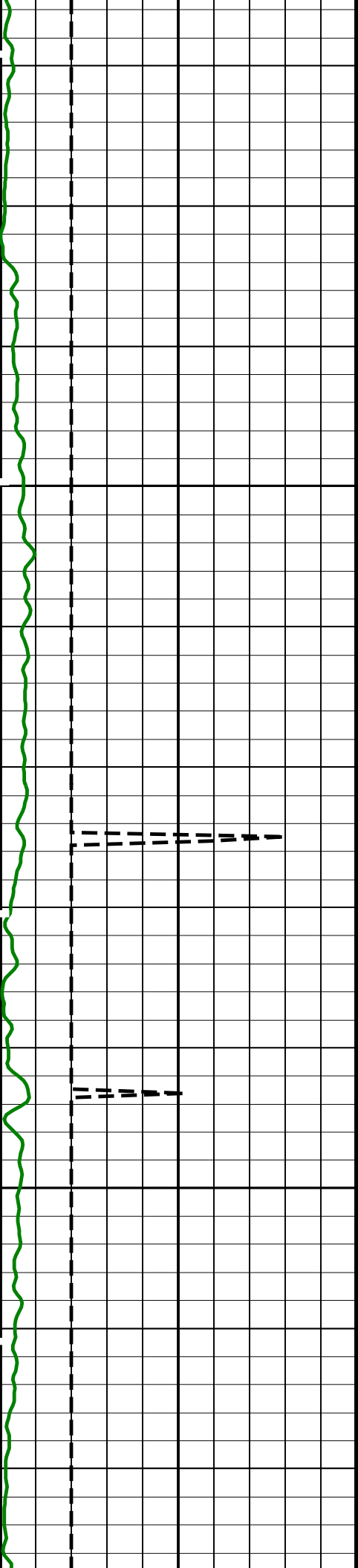
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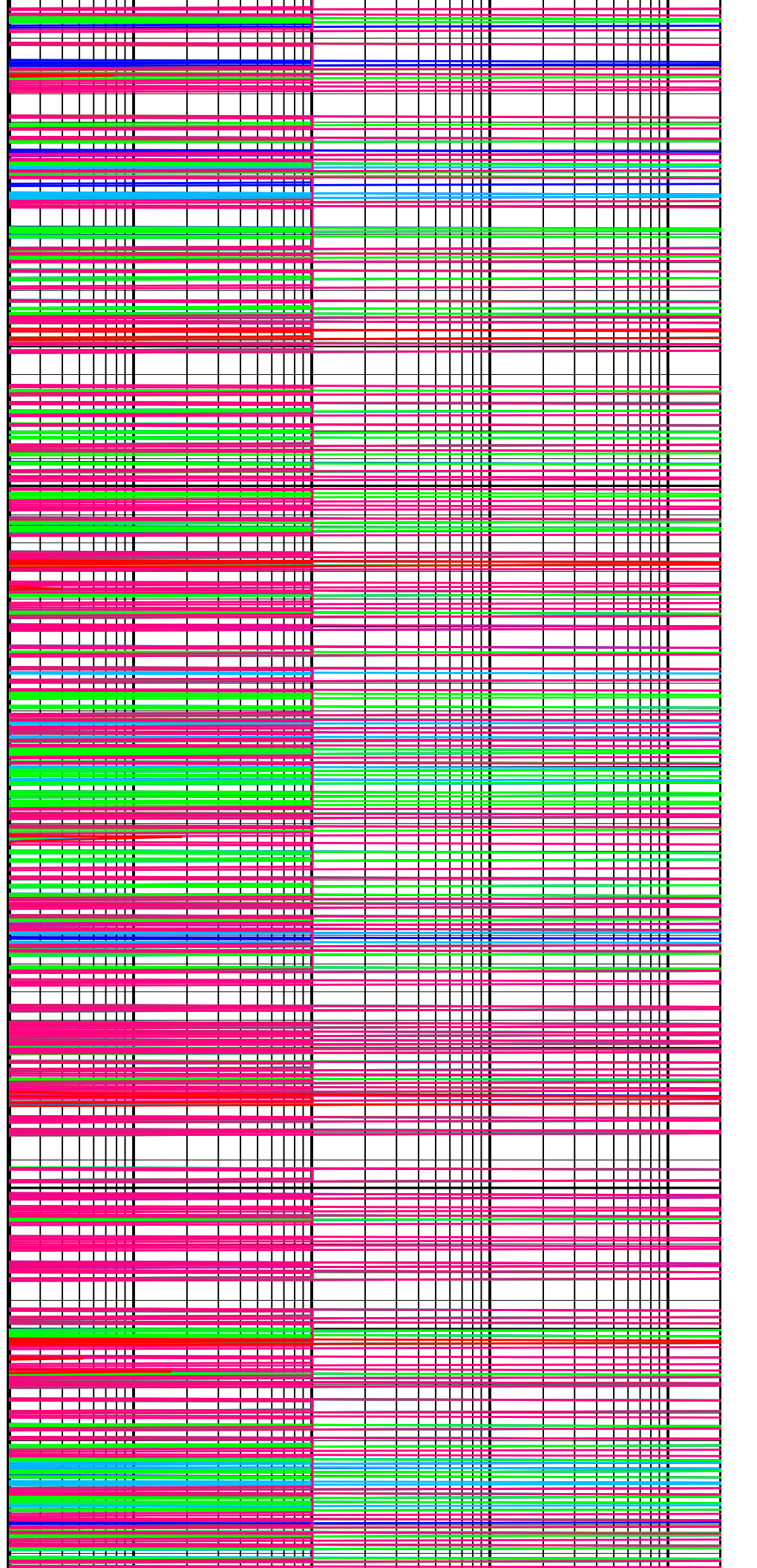


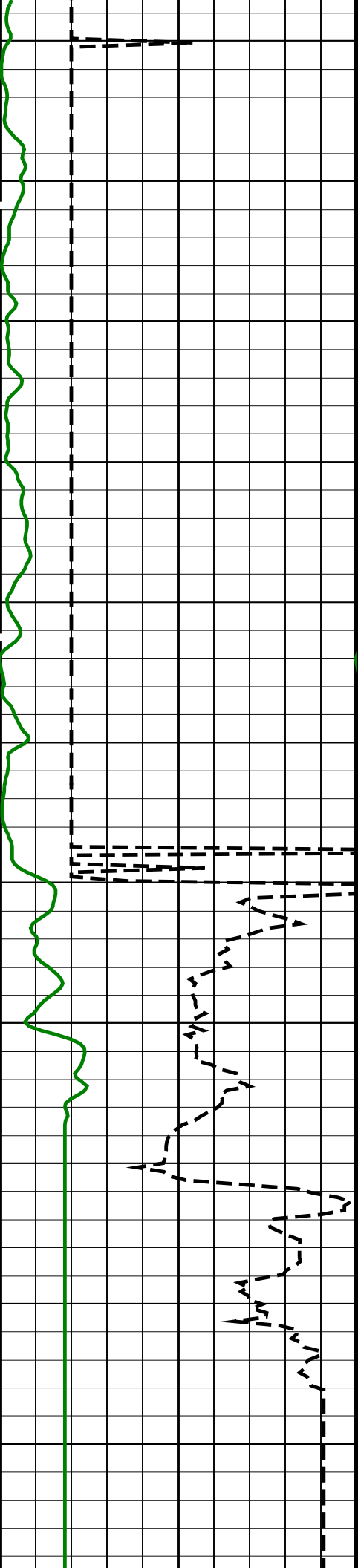




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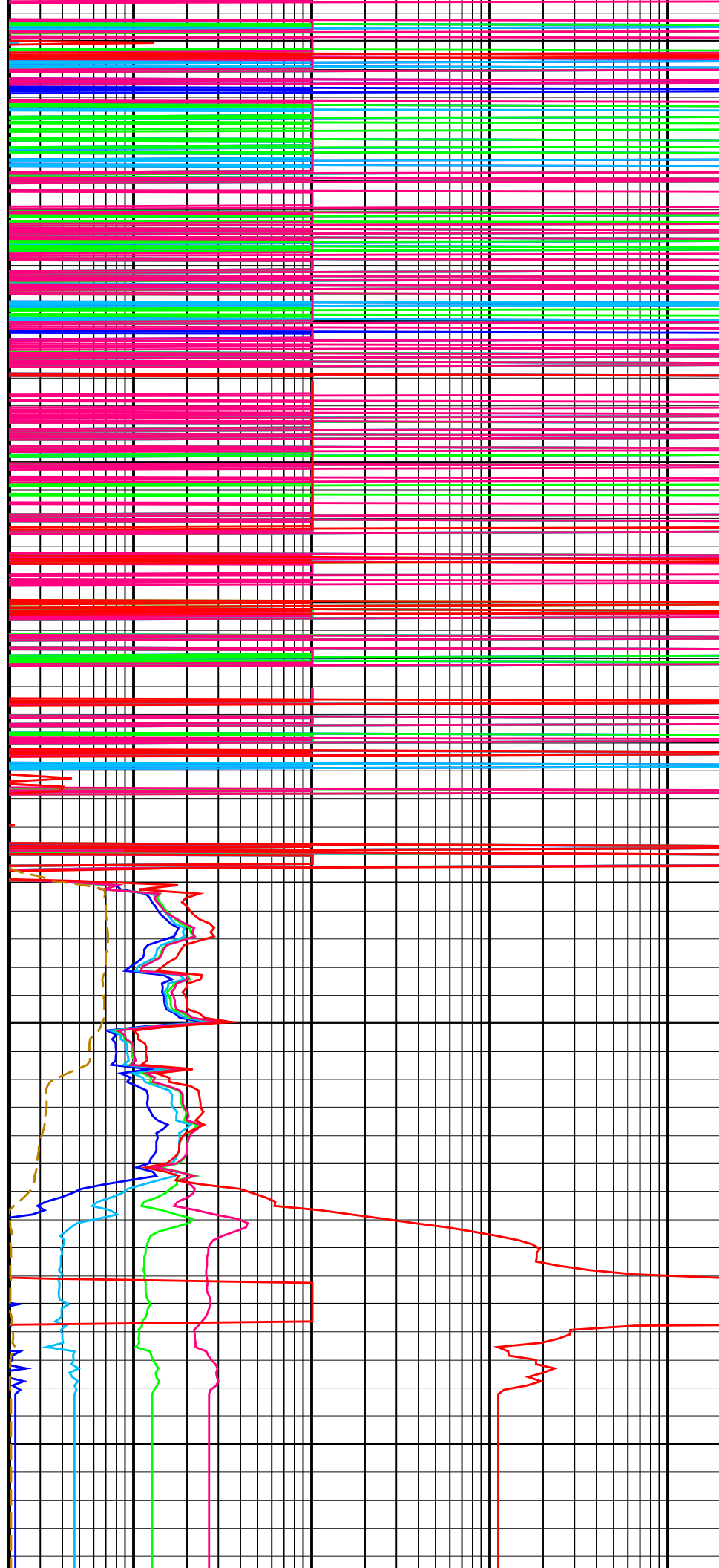
3125





3150

3175



GCSE	Generalized Caliper Selection	BS	DF/F
GGRD	Geothermal Gradient	0.01	
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
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
MST	Mud Sample Temperature	23.00	DEGC
PP	Playback Processing	NORMAL	
TD	Total Depth	10190.3	FT

Format: HRLT

Vertical Scale: 1:200

Graphics File Created: 31-Mar-2024 13:51

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

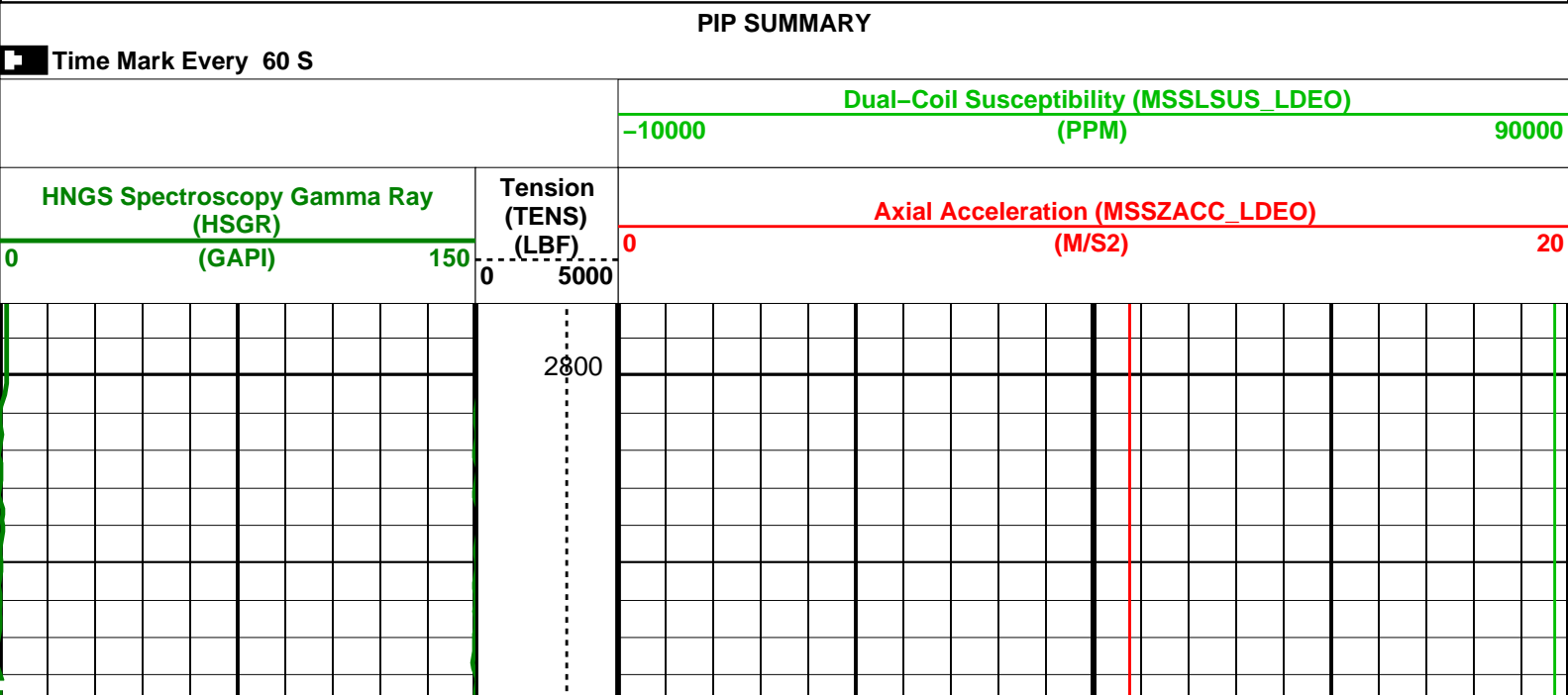
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Output DLIS Files					
DEFAULT	MSS_LDEO_HRLA_NGS_032PUP	FN:31	PRODUCER	31-Mar-2024 13:51	
RTB	MSS_LDEO_HRLA_NGS_032PUP	FN:32	PRODUCER	31-Mar-2024 13:51	

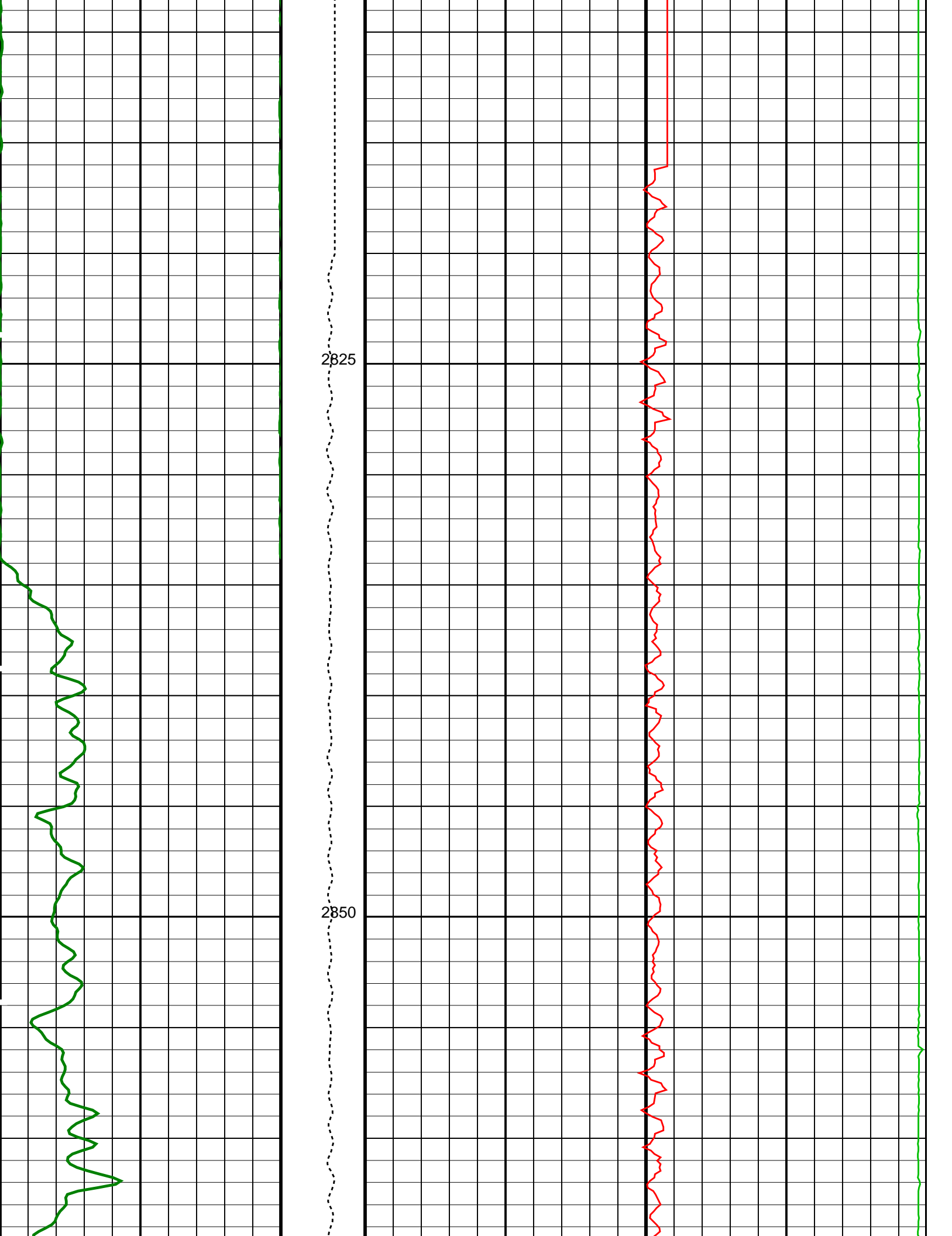
Company: International Ocean Discovery Program

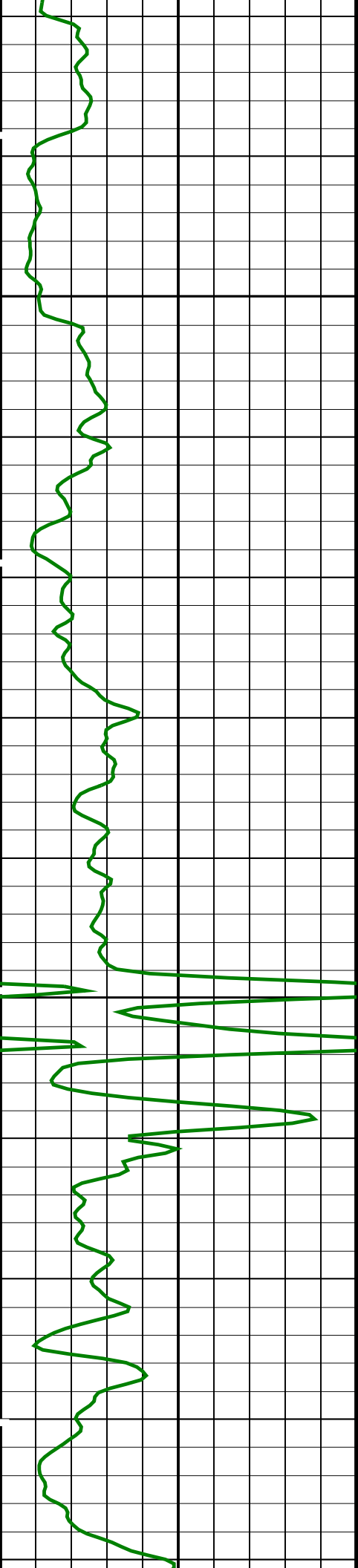
Well: Expedition 402, Site U1617B

Input DLIS Files					
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Output DLIS Files					
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RTB	MSS_LDEO_HRLA_NGS_032PUP	FN:32	PRODUCER	31-Mar-2024 13:51	3197.8 M

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

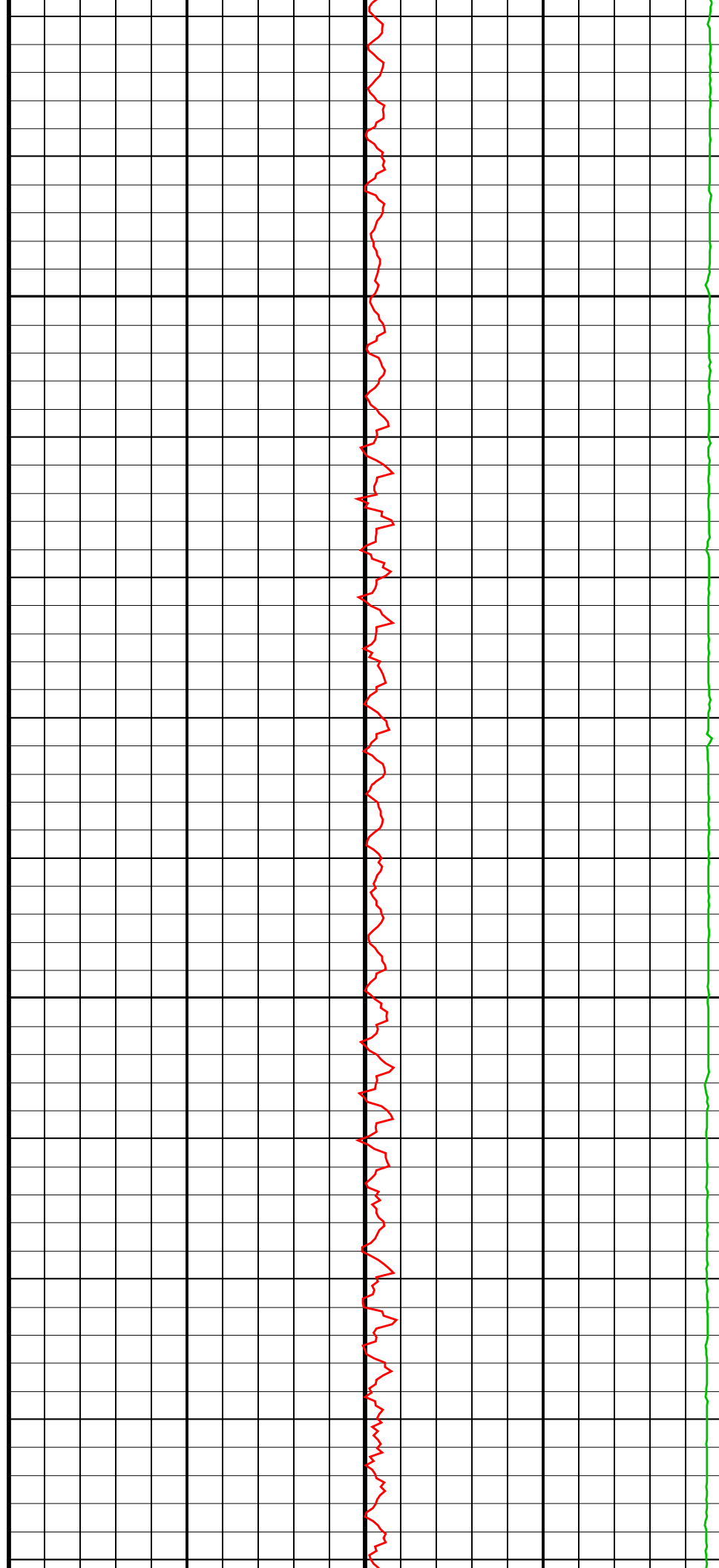


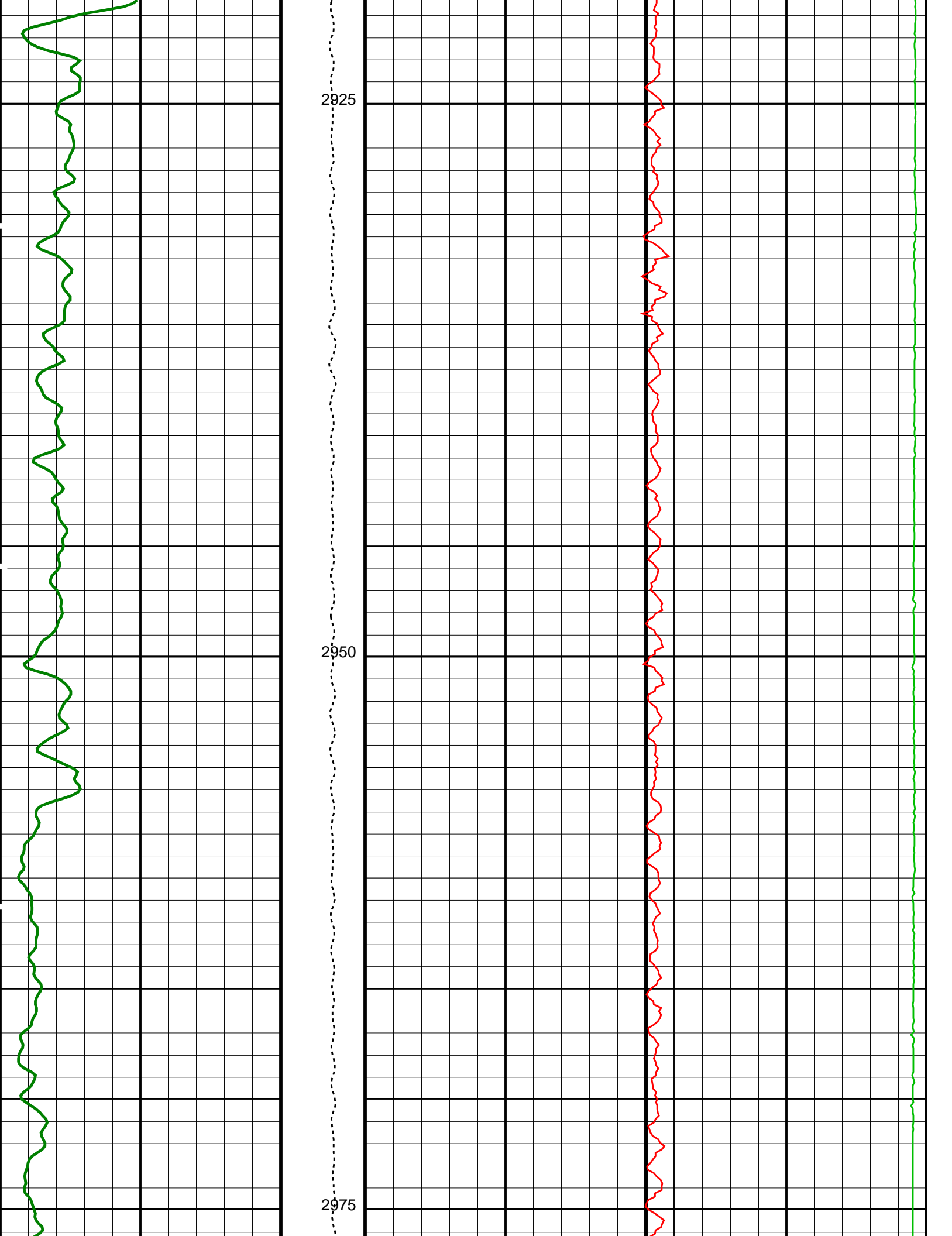


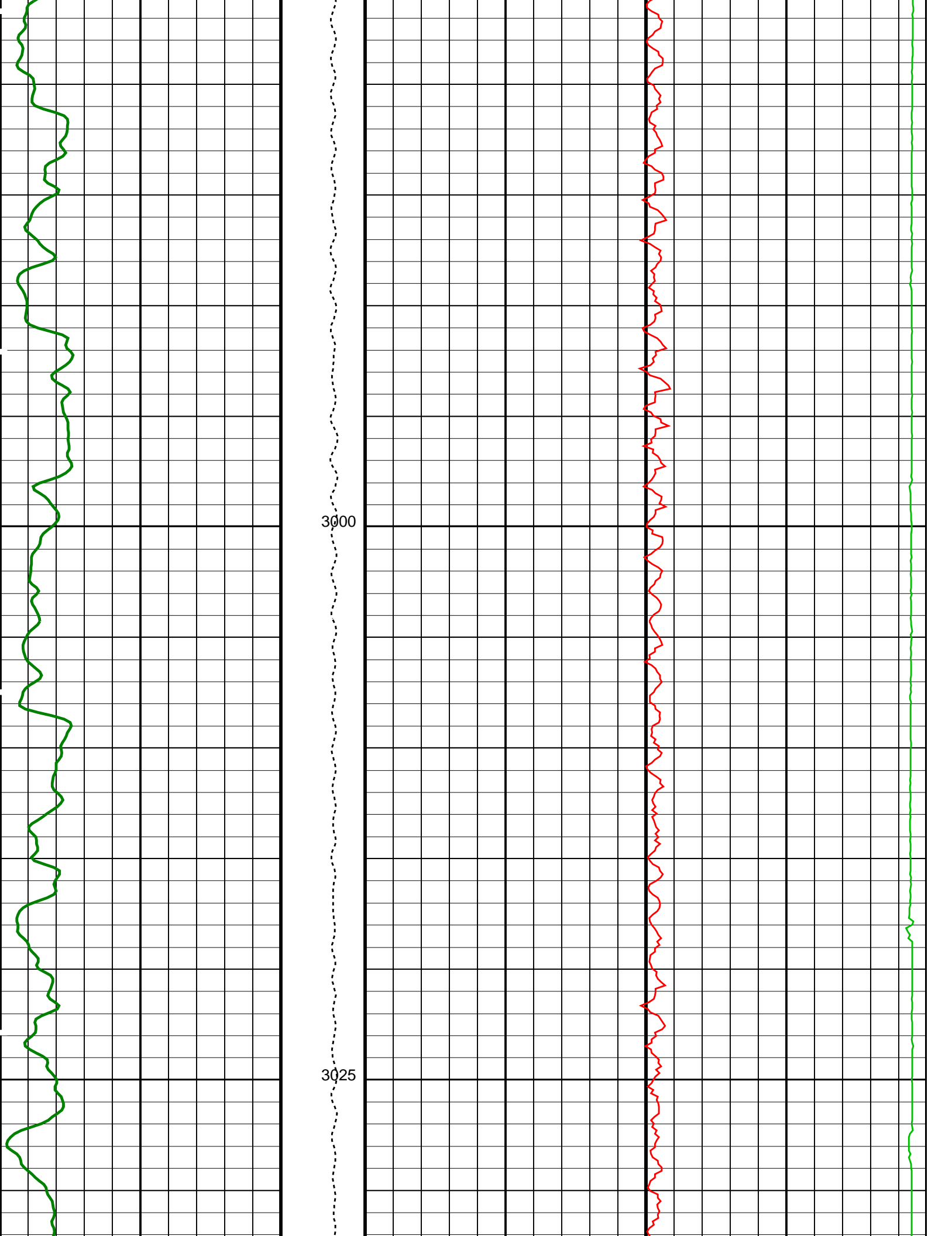


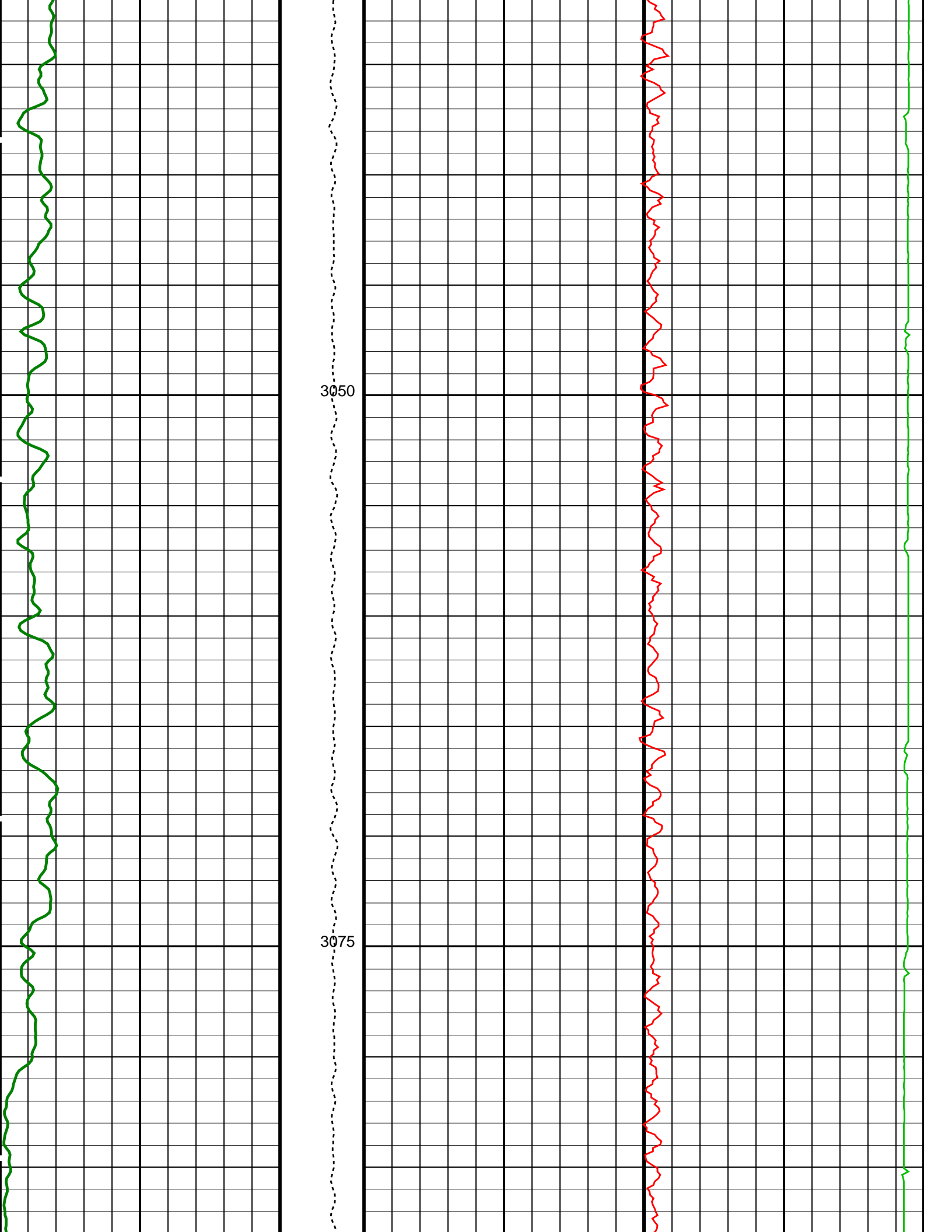
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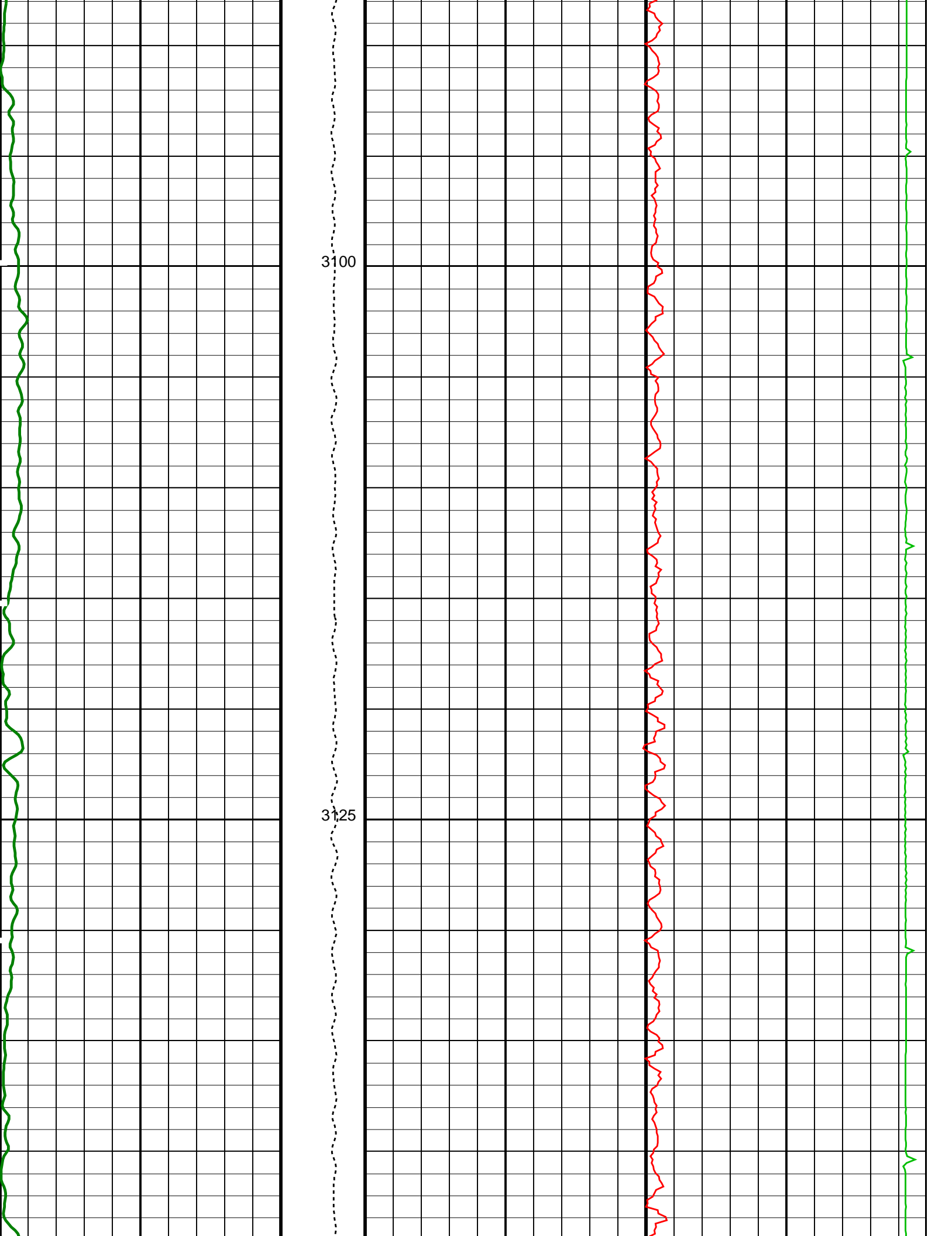
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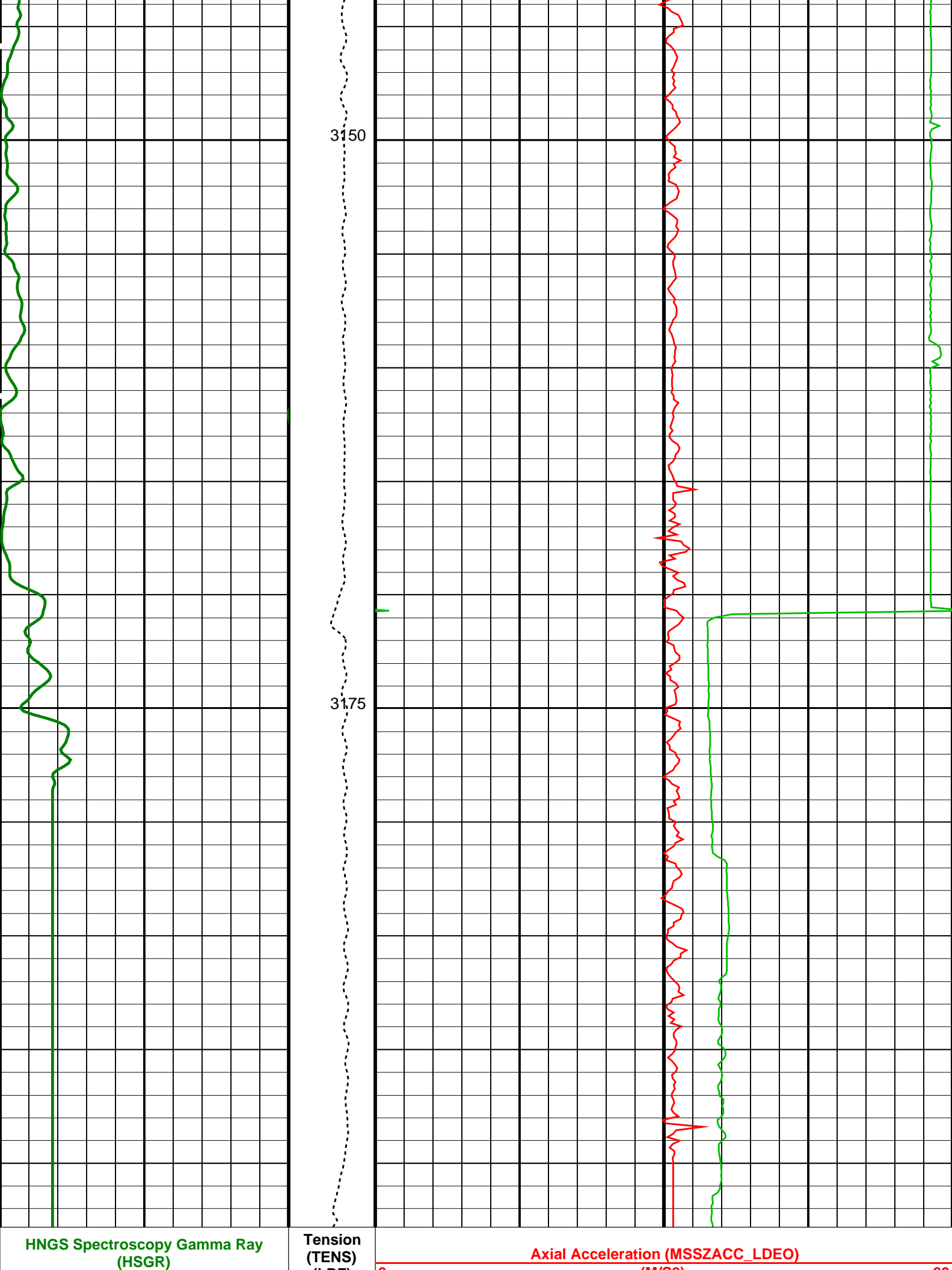












0	(GAPI)	150	(LBF)	0	5000	0	(M/S2)	20
						Dual-Coil Susceptibility (MSSLSUS_LDEO)		
						-10000	(PPM)	90000

PIP SUMMARY								
Time Mark Every 60 S								

Parameters				
DLIS Name	Description	Value		
HRLT-B: High Resolution Laterolog Array – B				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	BS		
HNGS-BA: Hostile Natural Gamma Ray Sonde				
BAR1	HNGS Detector 1 Barite Constant	1		
BAR2	HNGS Detector 2 Barite Constant	1		
BHK	HNGS Borehole Potassium Correction Concentration	0		
BHS	Borehole Status	OPEN		
CSD1	Inner Casing Outer Diameter	0	IN	
CSD2	Outer Casing Outer Diameter	0	IN	
CSW1	Inner Casing Weight	0	LB/F	
CSW2	Outer Casing Weight	0	LB/F	
DBCC	HNGS Barite Constant Correction Flag	NONE		
GCSE	Generalized Caliper Selection	BS		
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW		
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW		
HABK	HNGS Borehole Potassium Running Average	-0.00402103		
HALF	HNGS Alpha Filter Length	60	IN	
HCRB	HNGS Apply Borehole Potassium Correction	NONE		
HMWM	Mud Weighting Material	NATU		
HNPE	HNGS Processing Enable	YES		
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES		
TPOS	Tool Position	ECCE		
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990802		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.952335		
EDTC-B: Enhanced DTS Cartridge				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	BS		
System and Miscellaneous				
BS	Bit Size	9.875	IN	
DFD	Drilling Fluid Density	1.02	G/C3	
DO	Depth Offset for Playback	0.0	M	
PP	Playback Processing	NORMAL		

Format: MSS_Logging	Vertical Scale: 1:200	Graphics File Created: 31-Mar-2024 13:51
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OP System Version: 19C0-187				
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187	
HNGC-B	19C0-187	HNGS-BA	19C0-187	
EDTC-B	19C0-187			

Input DLIS Files					
DEFAULT	Flip_MSS_LDEO_HRLA_031LUP	PRODUCER	31-Mar-2024 13:50	3197.9 M	2798.1 M
Output DLIS Files					
DEFAULT	MSS_LDEO_HRLA_NGS_032PUP	FN:31	PRODUCER	31-Mar-2024 13:51	
RTB	MSS_LDEO_HRLA_NGS_032PUP	FN:32	PRODUCER	31-Mar-2024 13:51	



Uplog
1:200 Scale

Output DLIS Files

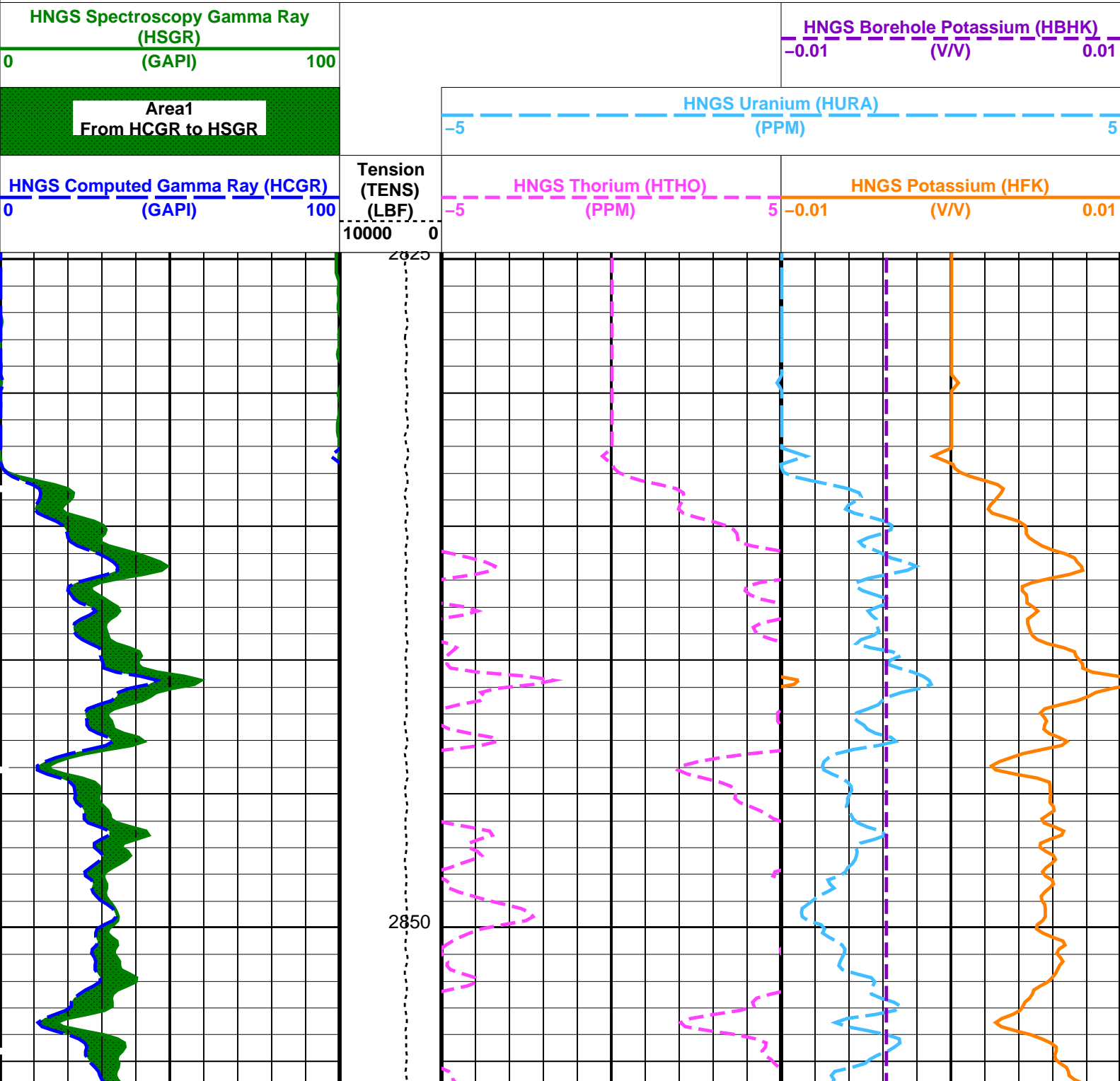
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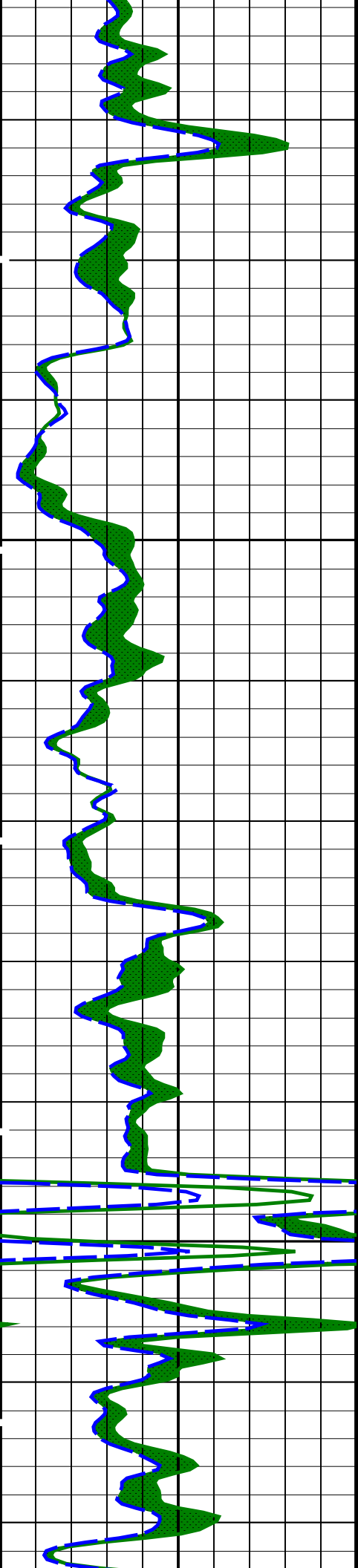
OP System Version: 19C0-187

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

PIP SUMMARY

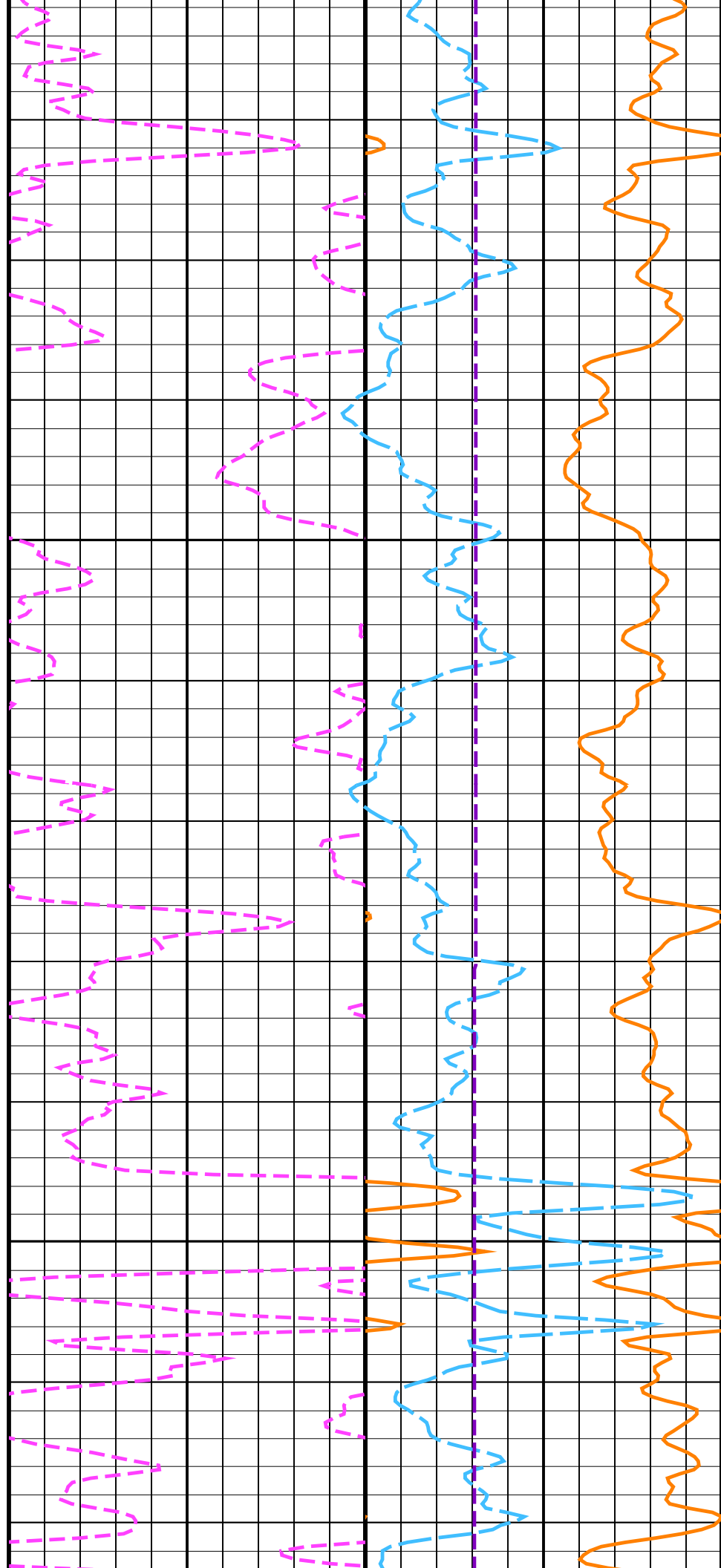
Time Mark Every 60 S

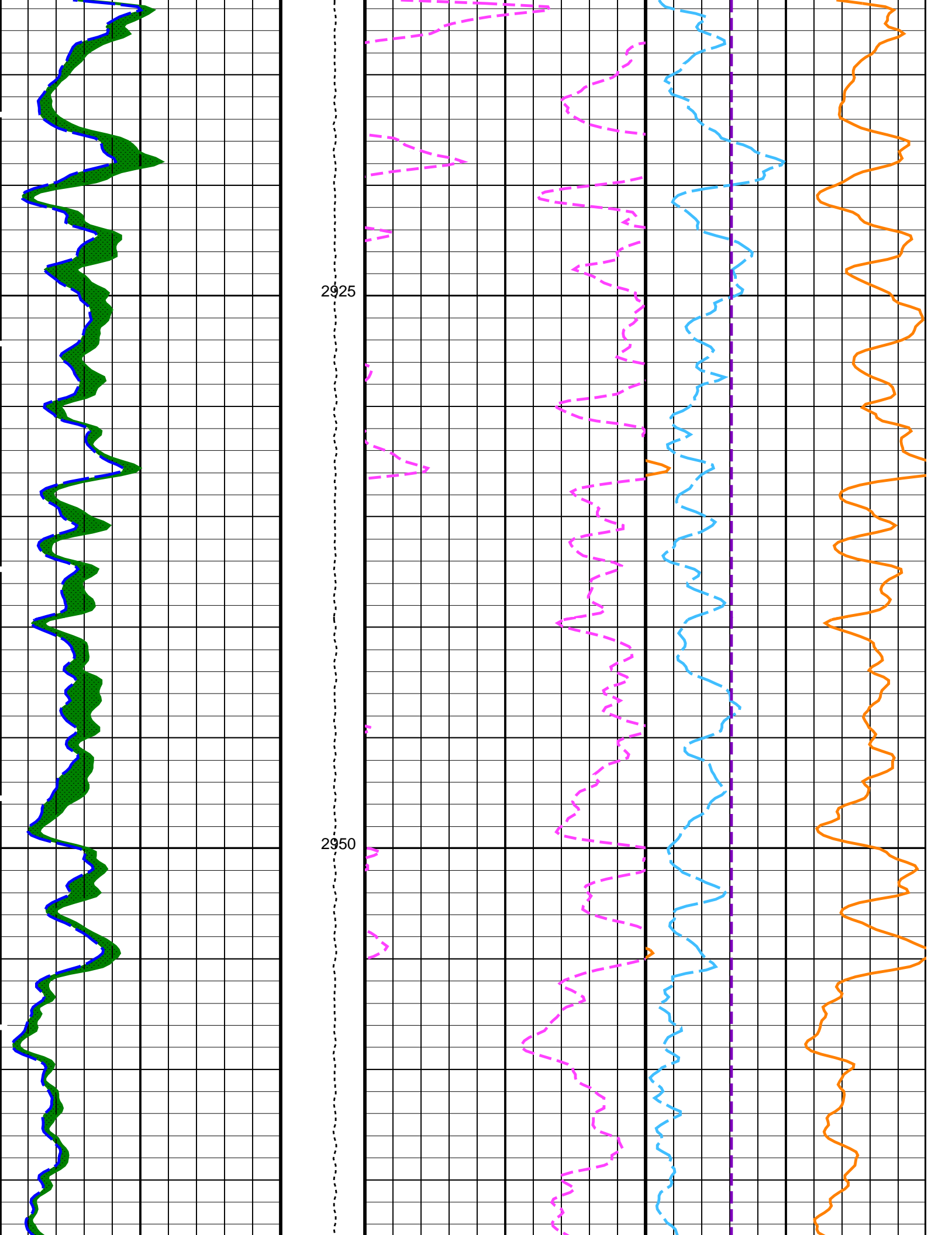


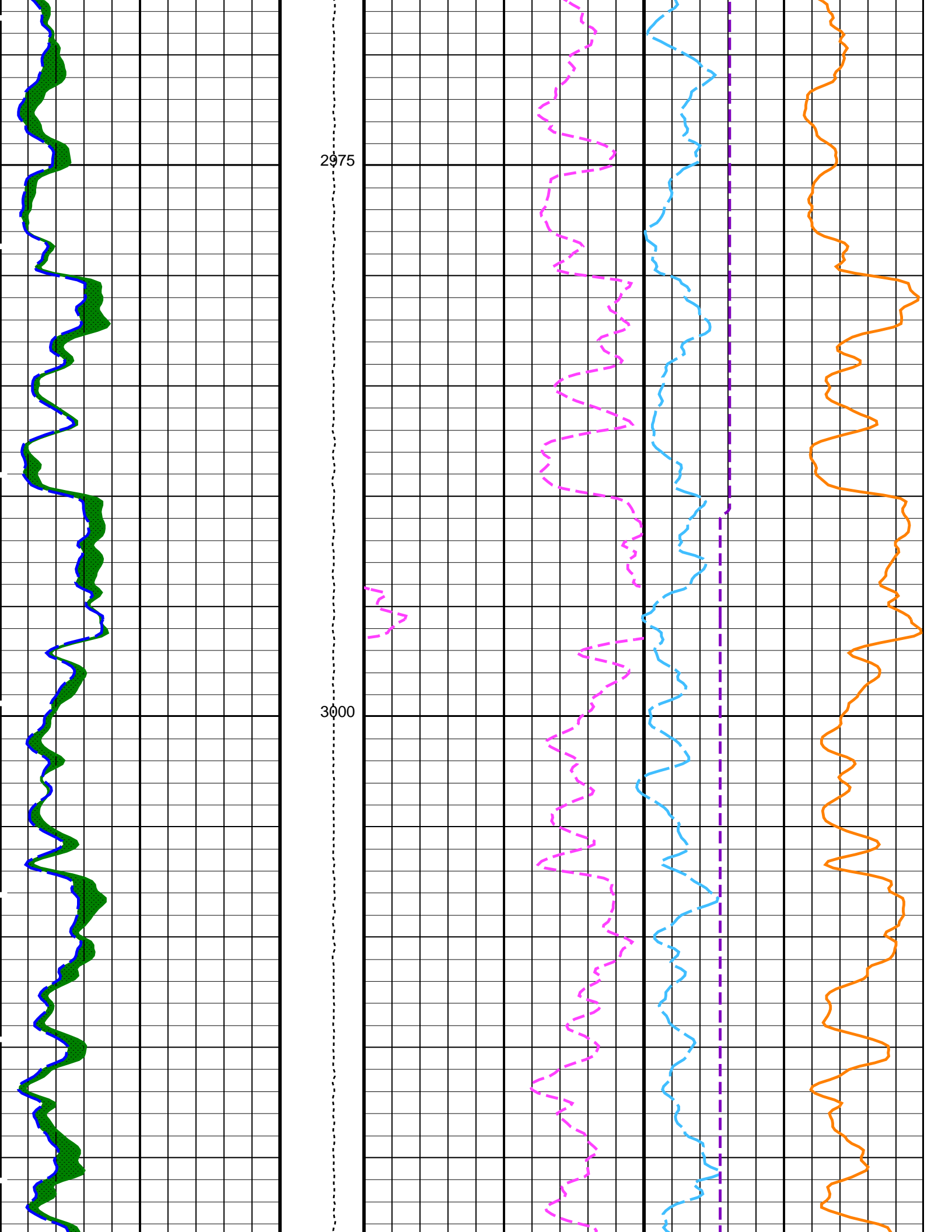


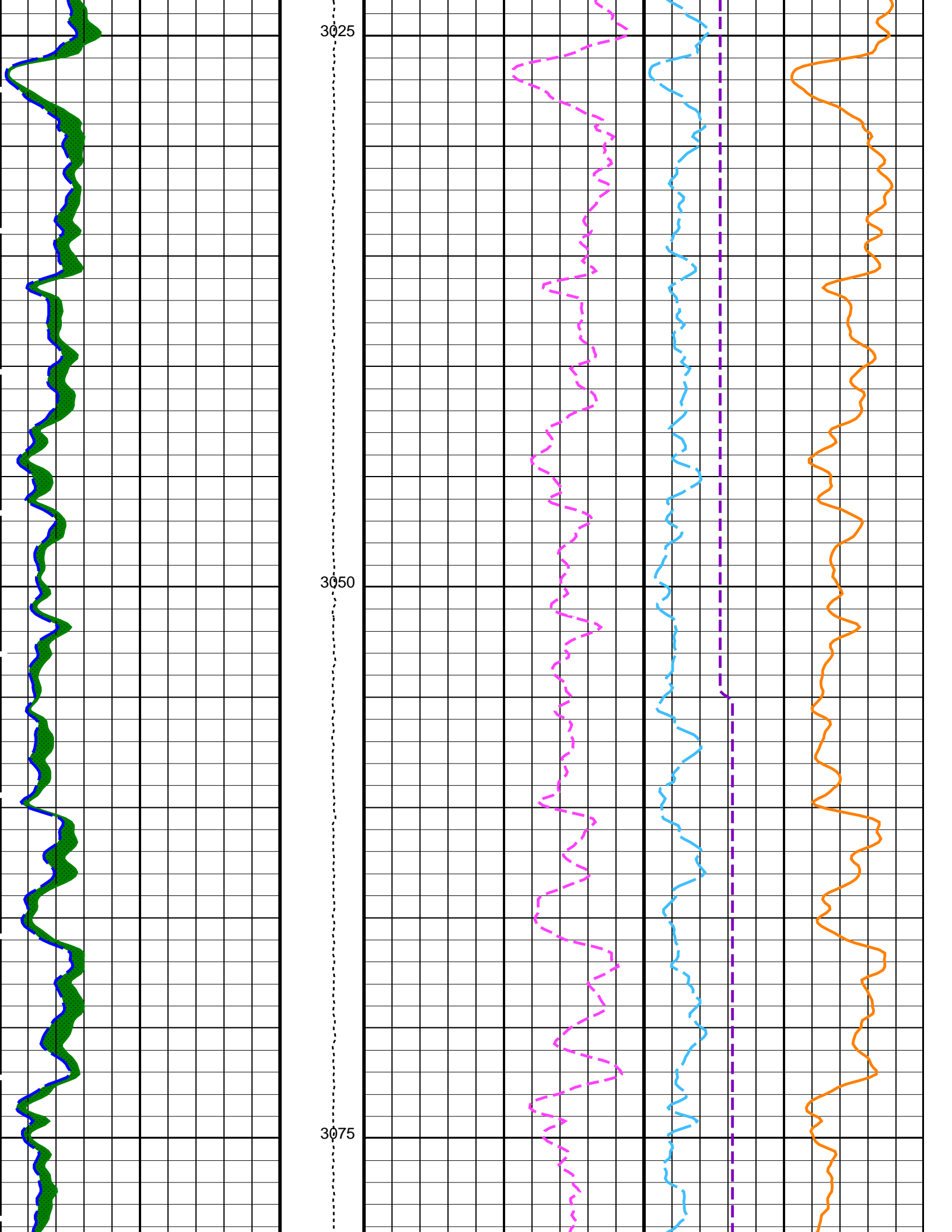
2875

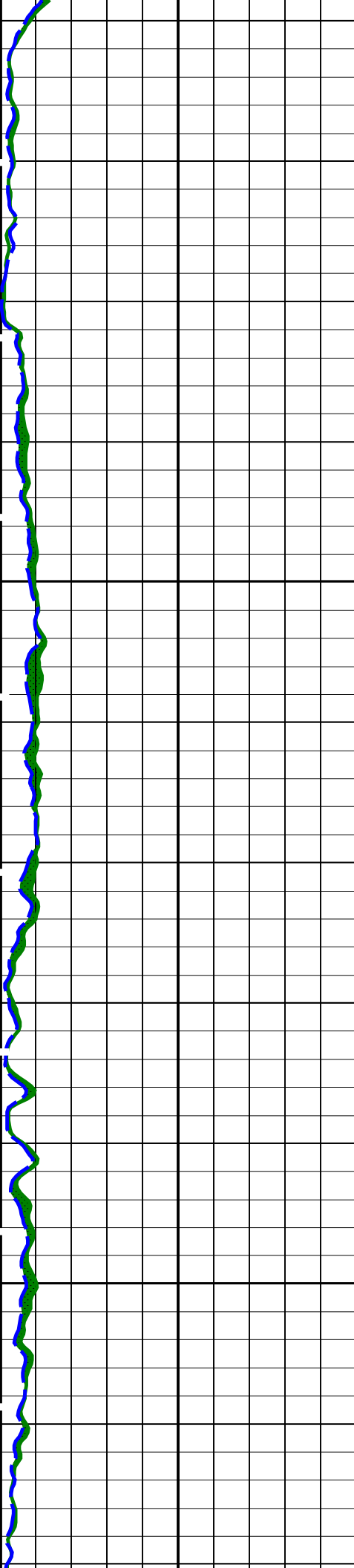
2900





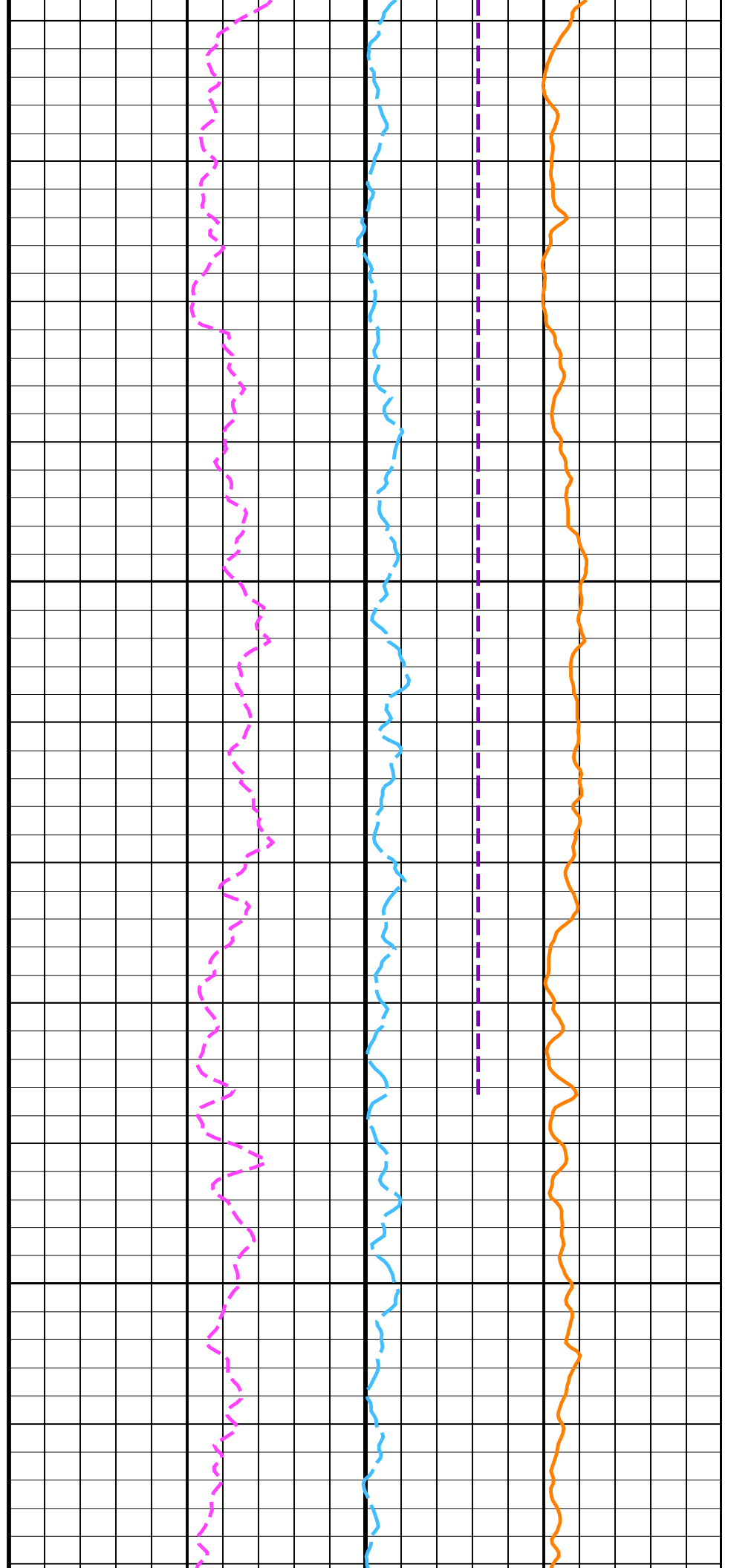


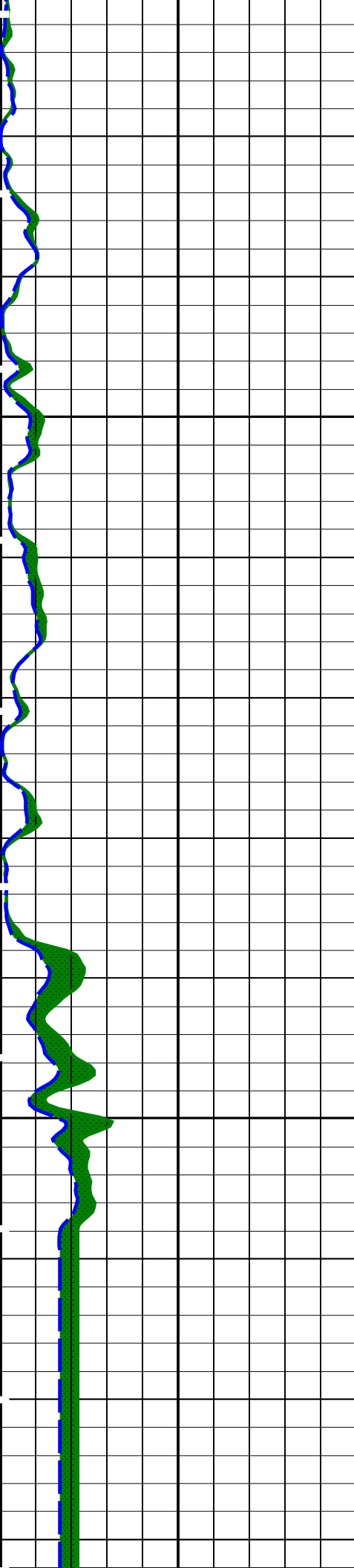




3100

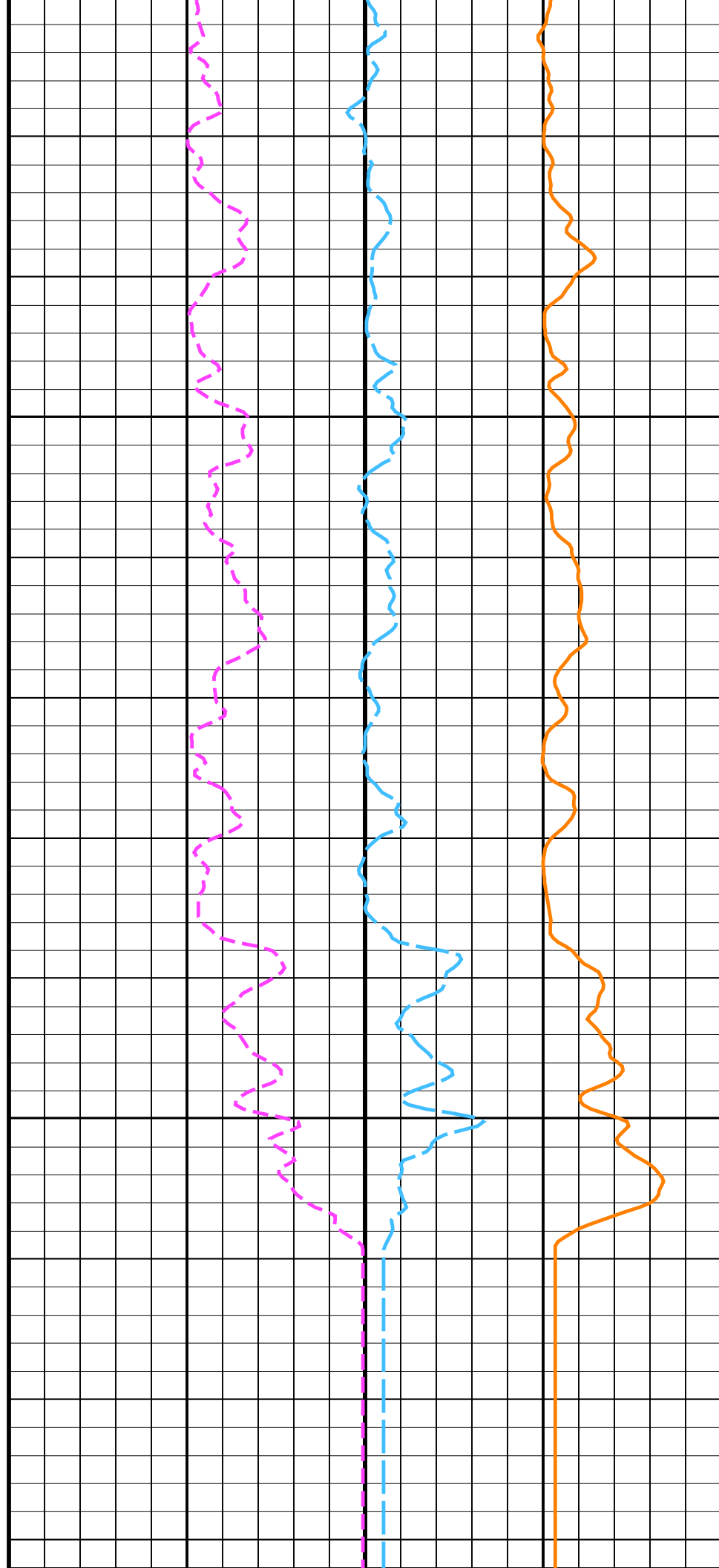
3125

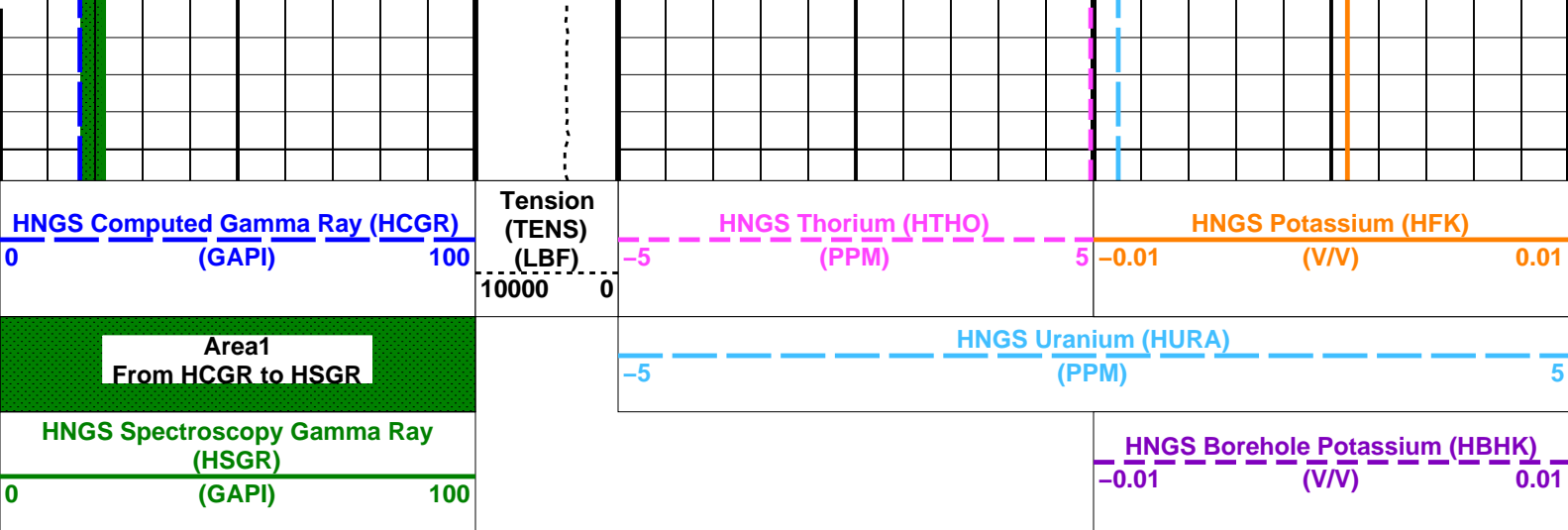




3150

3175





PIP SUMMARY

Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00340658	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990735	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976415	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 31-Mar-2024 12:59

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

Output DLIS Files				
DEFAULT	MSS_LDEO_HRLA_NGS_030LUP	FN:29	PRODUCER	31-Mar-2024 12:59
RTB	MSS_LDEO_HRLA_NGS_030LUP	FN:30	PRODUCER	31-Mar-2024 12:59

Output DLIS Files

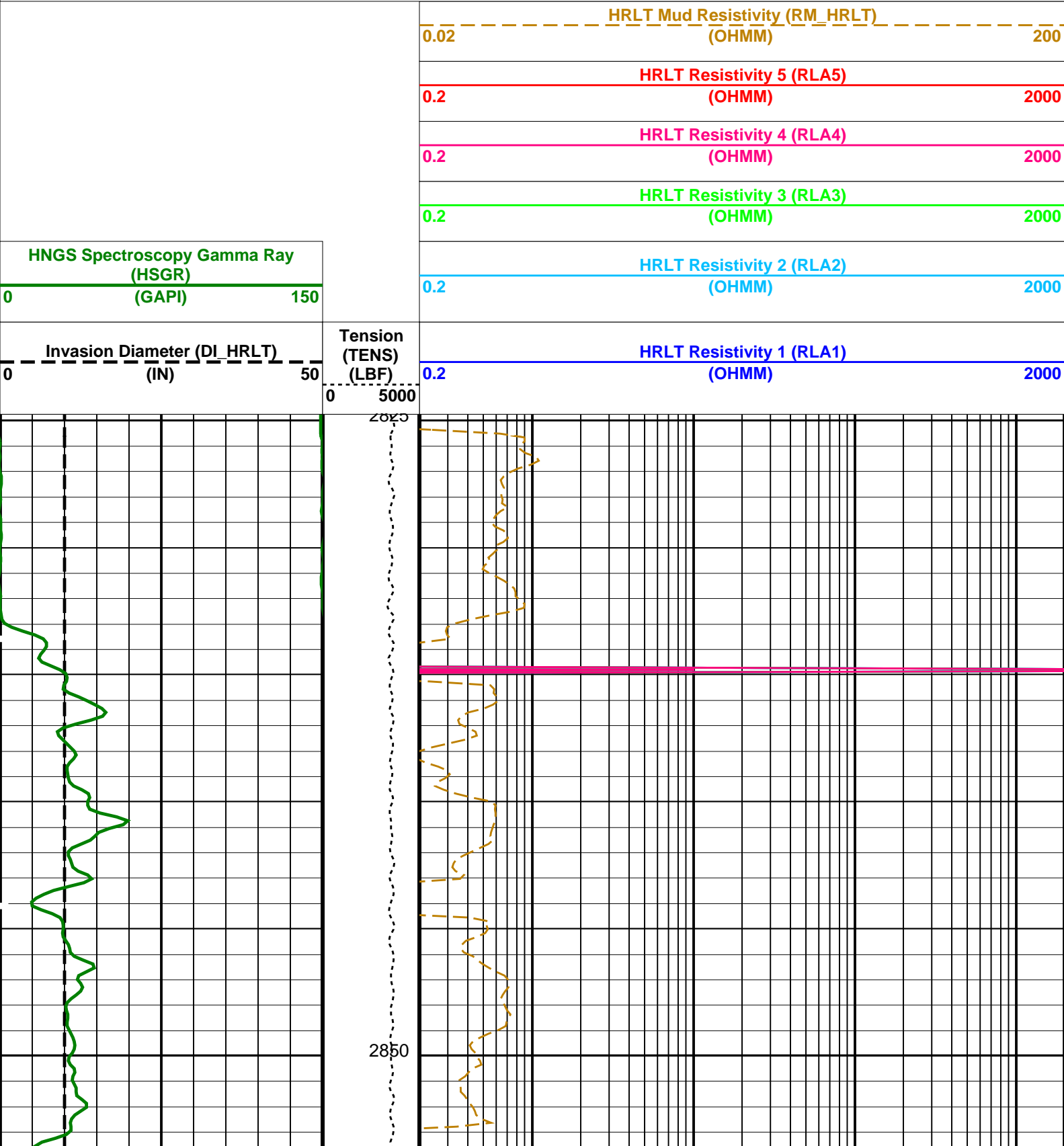
DEFAULT	MSS_LDEO_HRLA_NGS_030LUP	FN:29	PRODUCER	31-Mar-2024 12:59	3195.8 M	2824.8 M
RTB	MSS_LDEO_HRLA_NGS_030LUP	FN:30	PRODUCER	31-Mar-2024 12:59	3195.8 M	2824.7 M

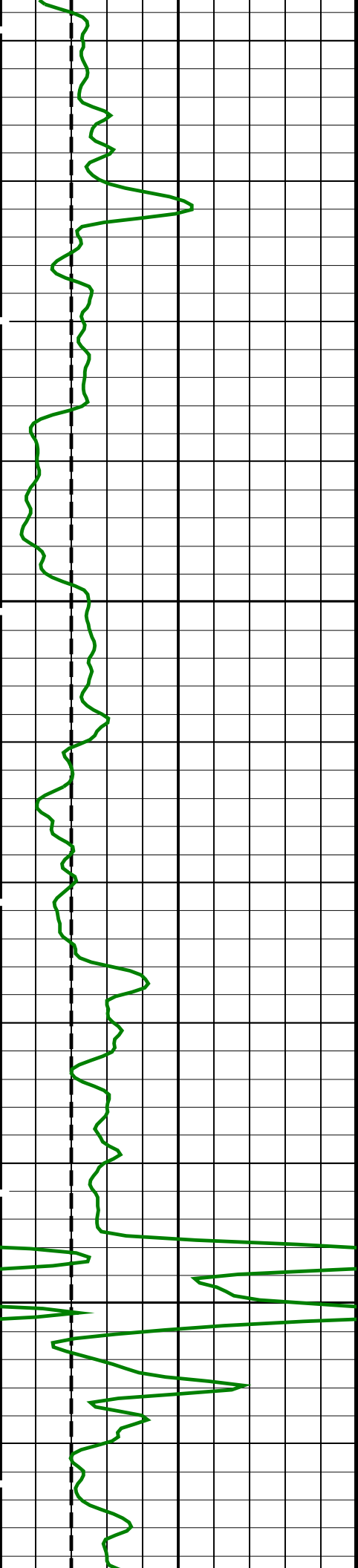
OP System Version: 19C0-187

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

PIP SUMMARY

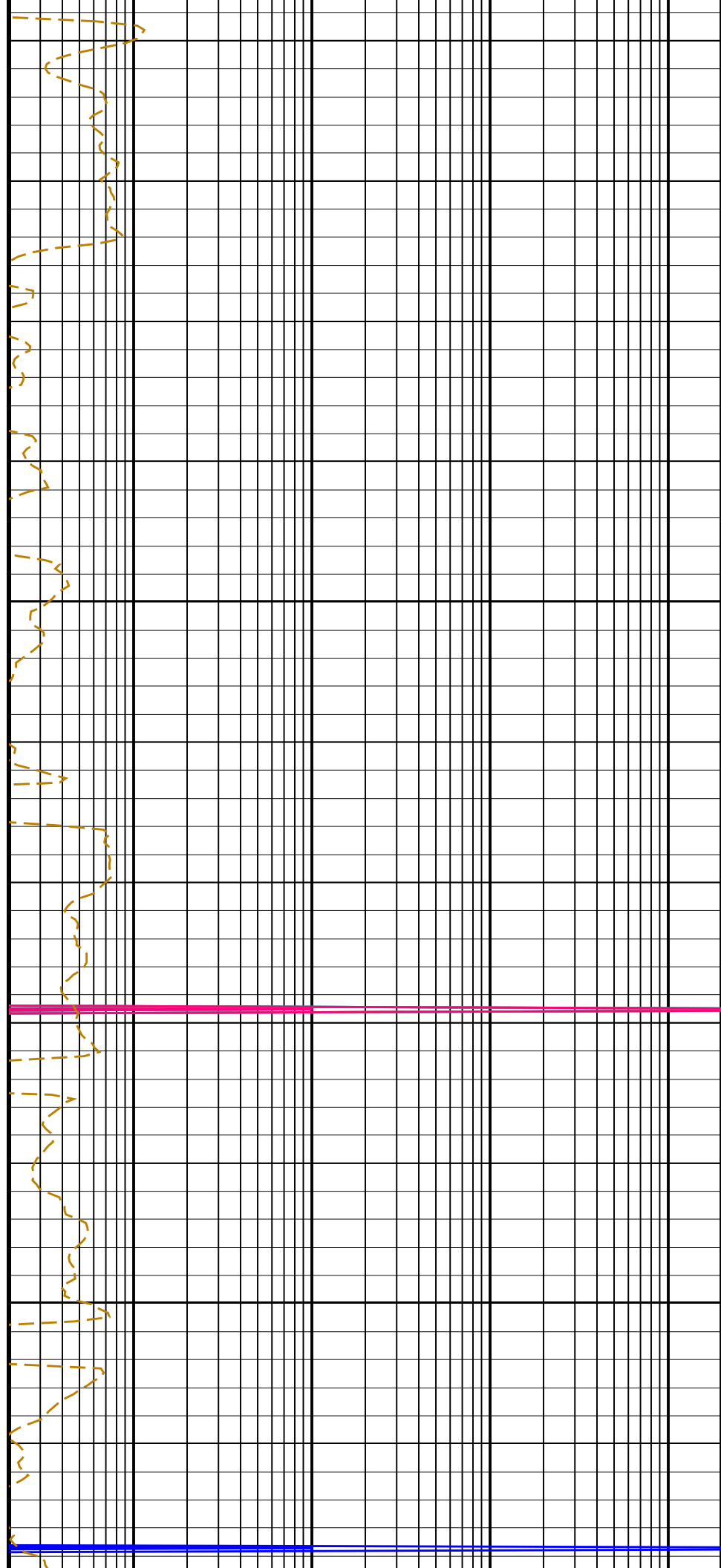
Time Mark Every 60 S

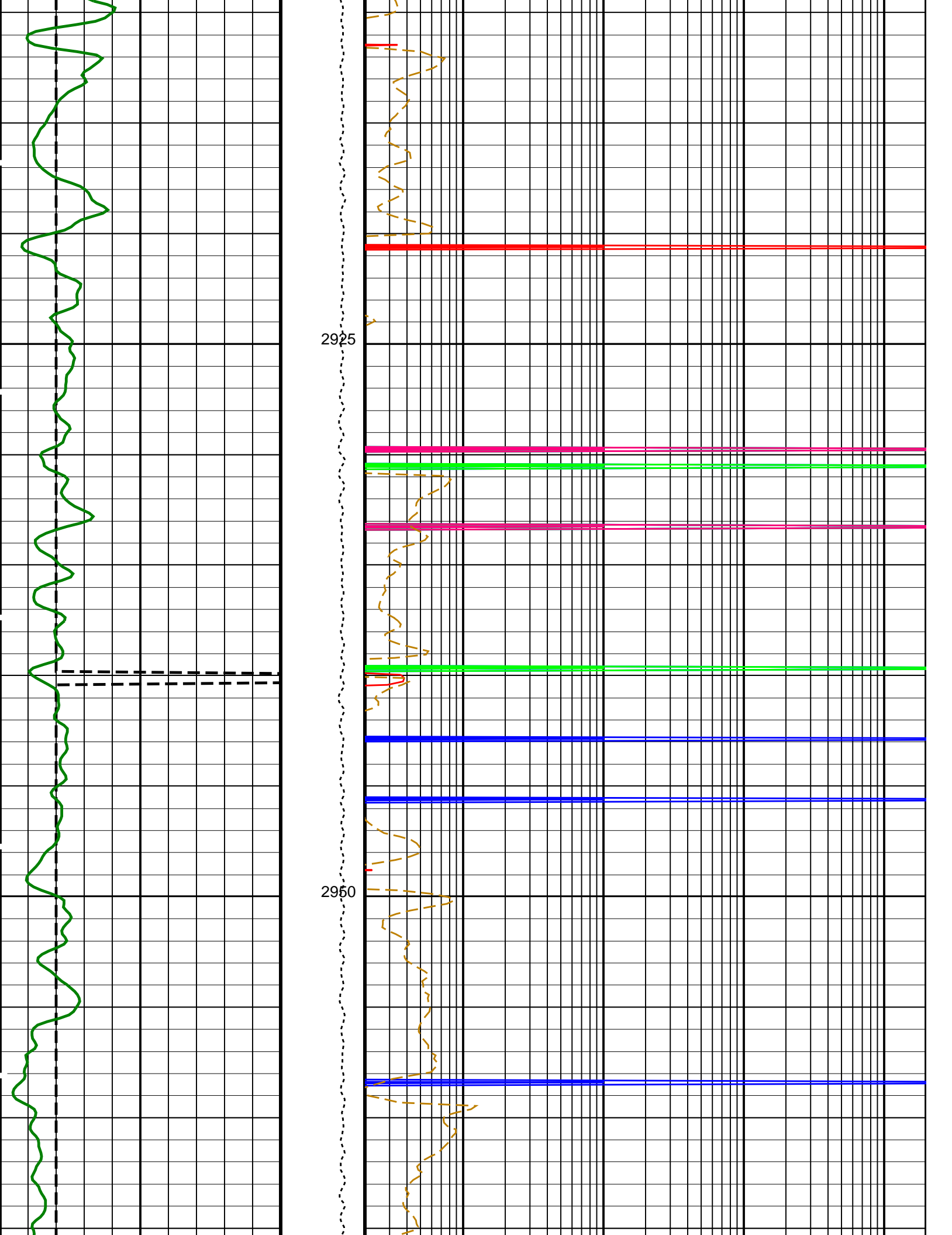


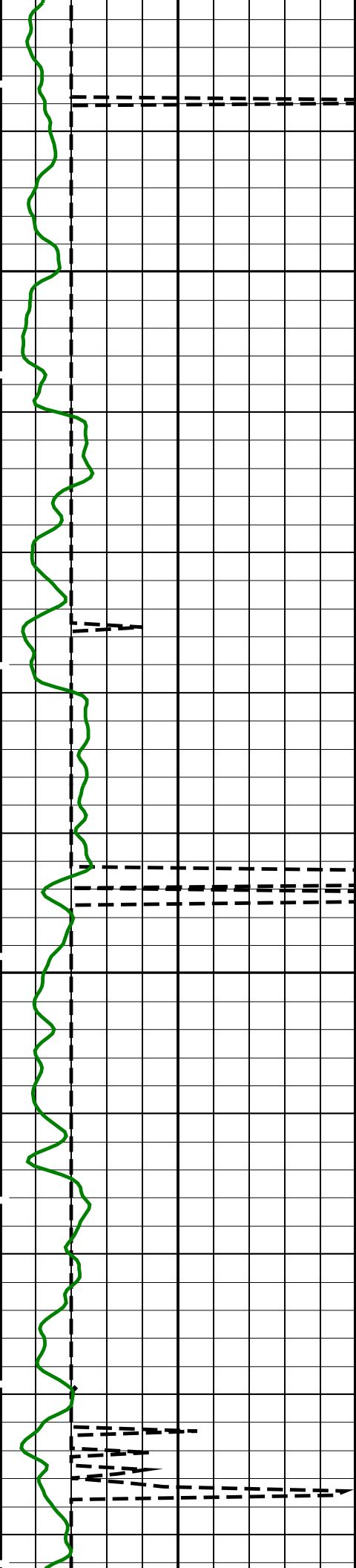


2875

2900

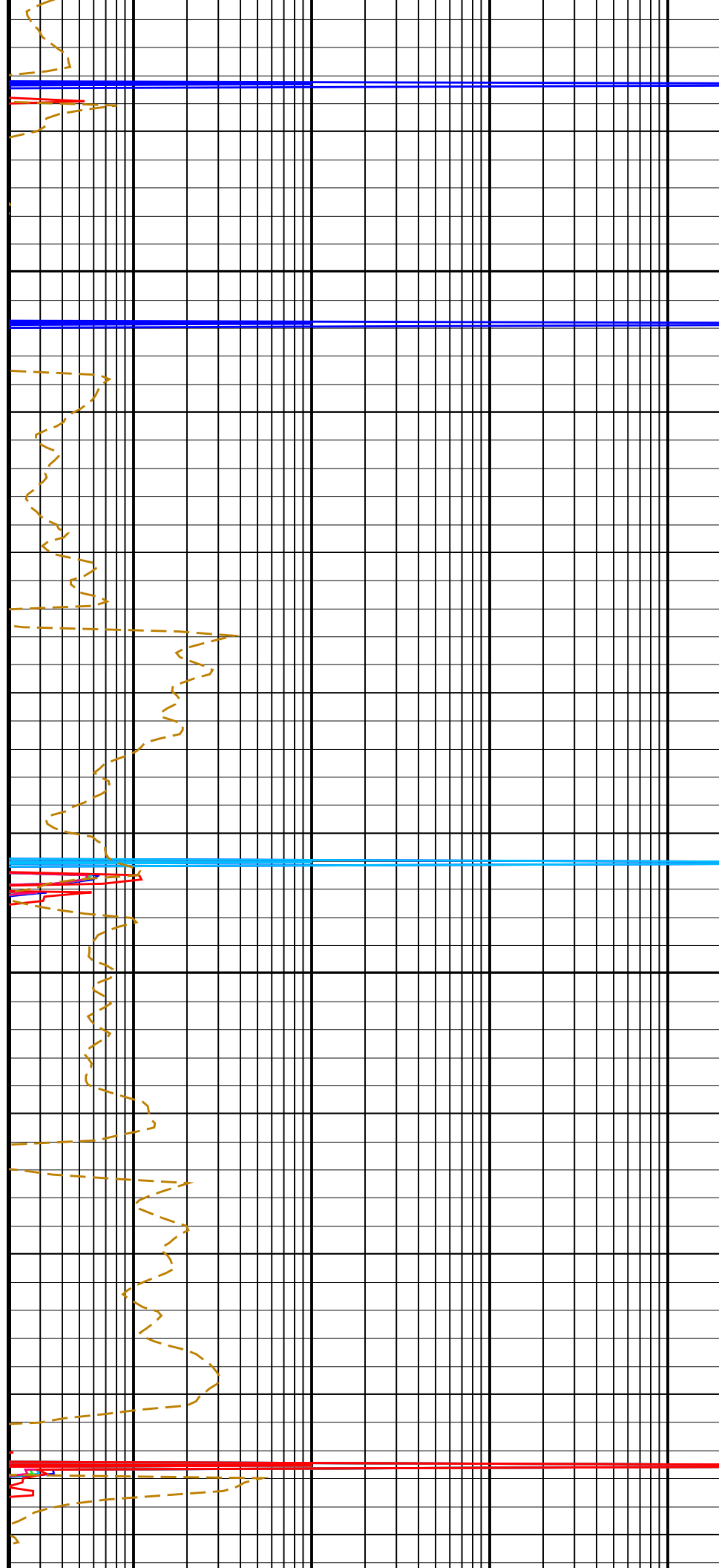


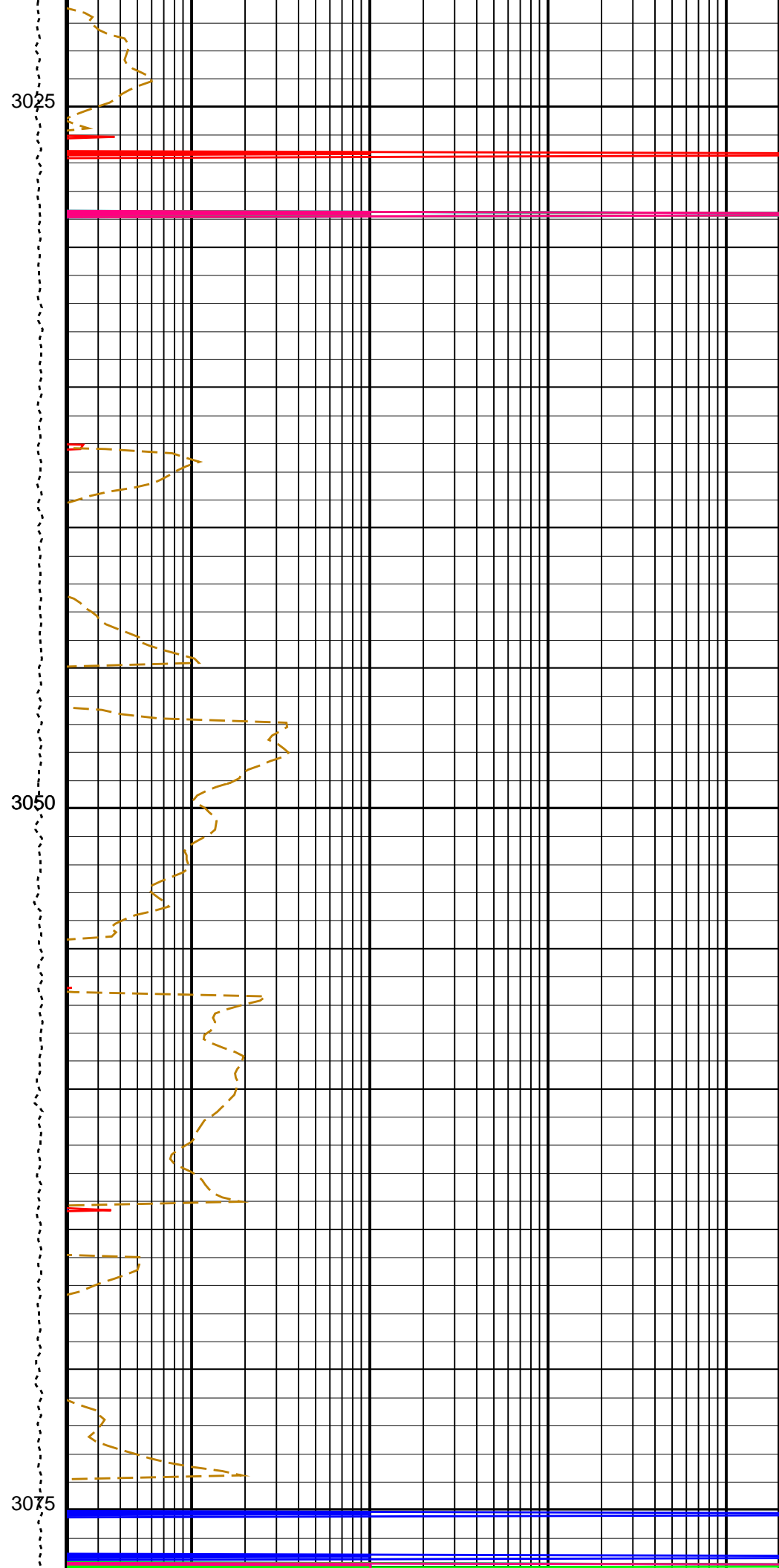
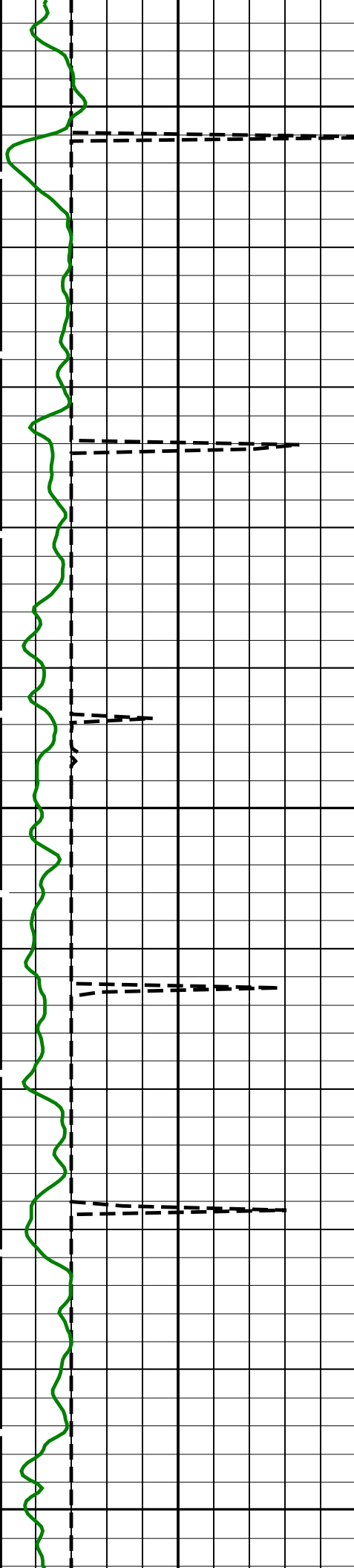


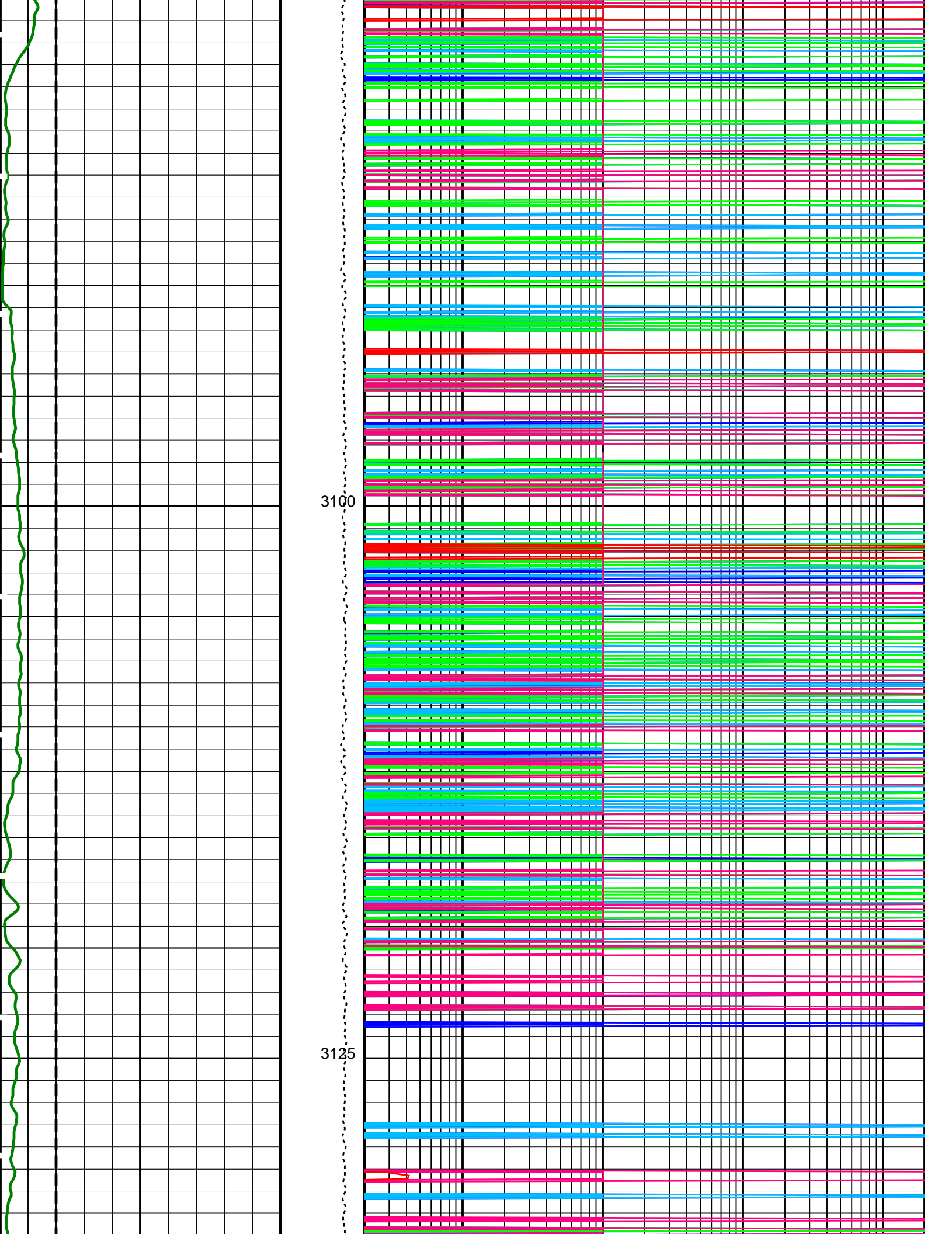


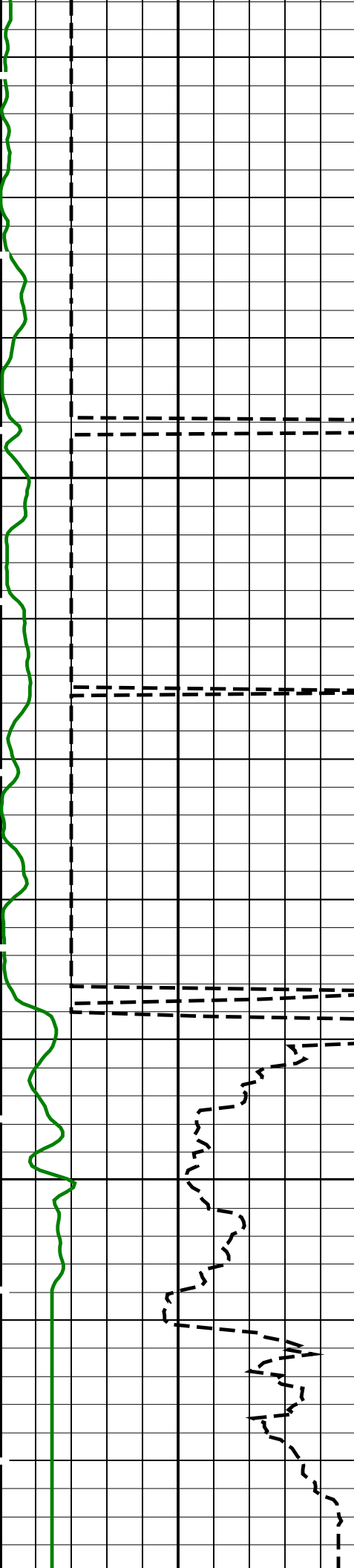
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3000



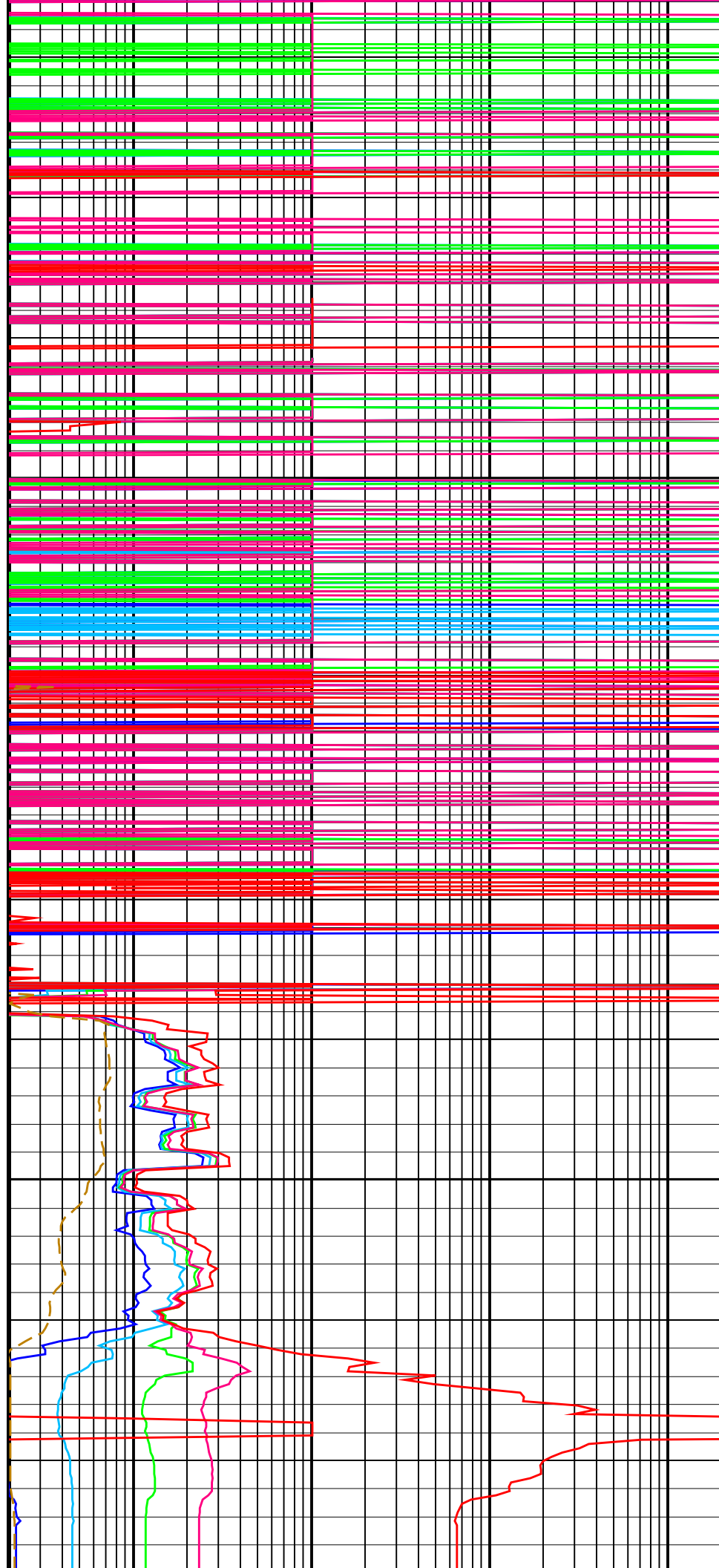






3150

3175



HCS	Tool Position	LOGE
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990735
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976415
EDTC-B: Enhanced DTS Cartridge		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	35 DEGF
GCSE	Generalized Caliper Selection	BS
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
DFD	Drilling Fluid Density	1.02 G/C3
MST	Mud Sample Temperature	23.00 DEGC
TD	Total Depth	10190.3 FT

Format: HRLT

Vertical Scale: 1:200

Graphics File Created: 31-Mar-2024 12:59

OP System Version: 19C0-187

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

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_NGS_030LUP	FN:29	PRODUCER	31-Mar-2024 12:59
RTB	MSS_LDEO_HRLA_NGS_030LUP	FN:30	PRODUCER	31-Mar-2024 12:59

Company: International Ocean Discovery Program

Well: Expedition 402, Site U1617B

Output DLIS Files

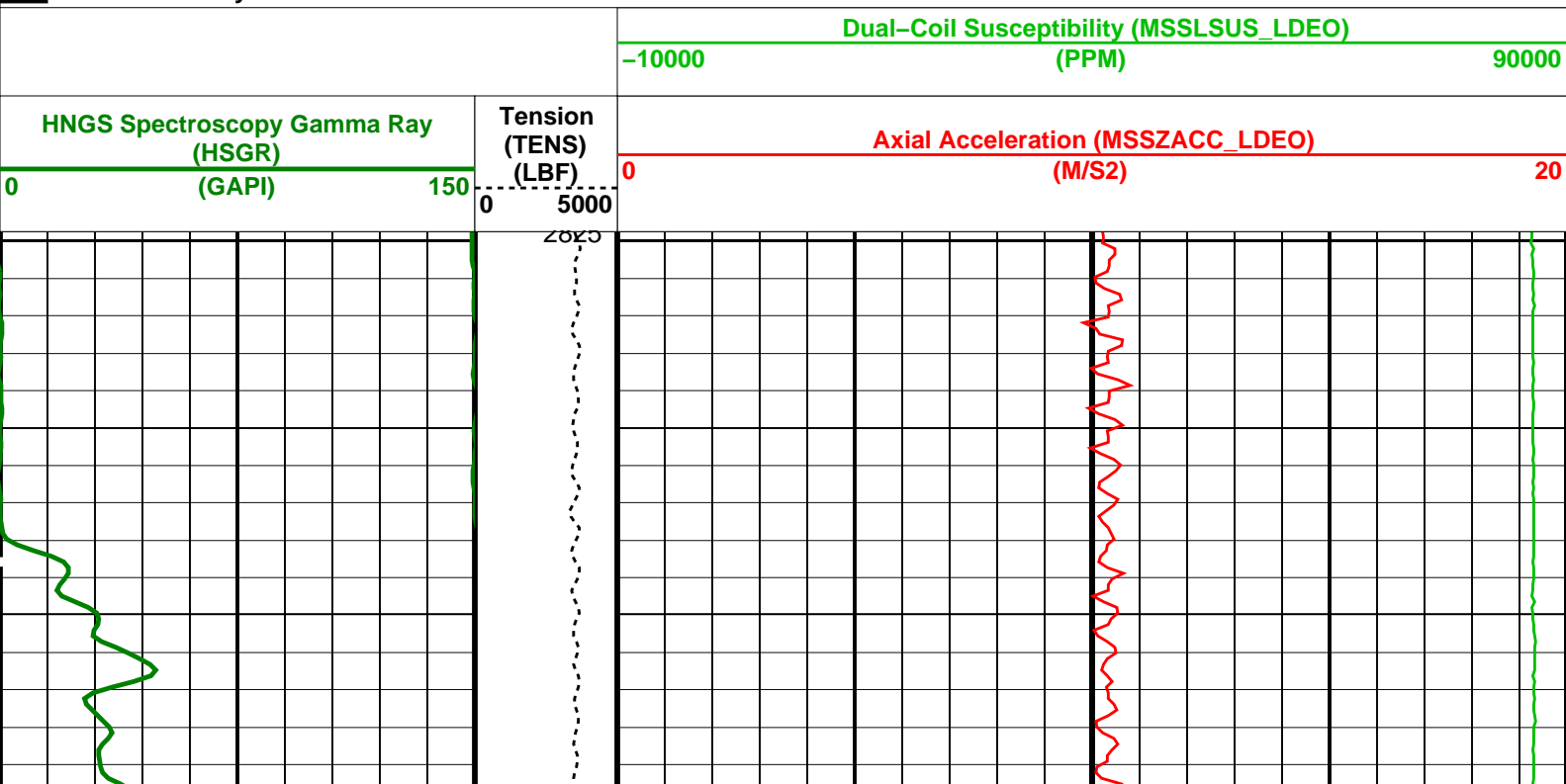
DEFAULT	MSS_LDEO_HRLA_NGS_030LUP	FN:29	PRODUCER	31-Mar-2024 12:59	3195.8 M	2824.8 M
RTB	MSS_LDEO_HRLA_NGS_030LUP	FN:30	PRODUCER	31-Mar-2024 12:59	3195.8 M	2824.7 M

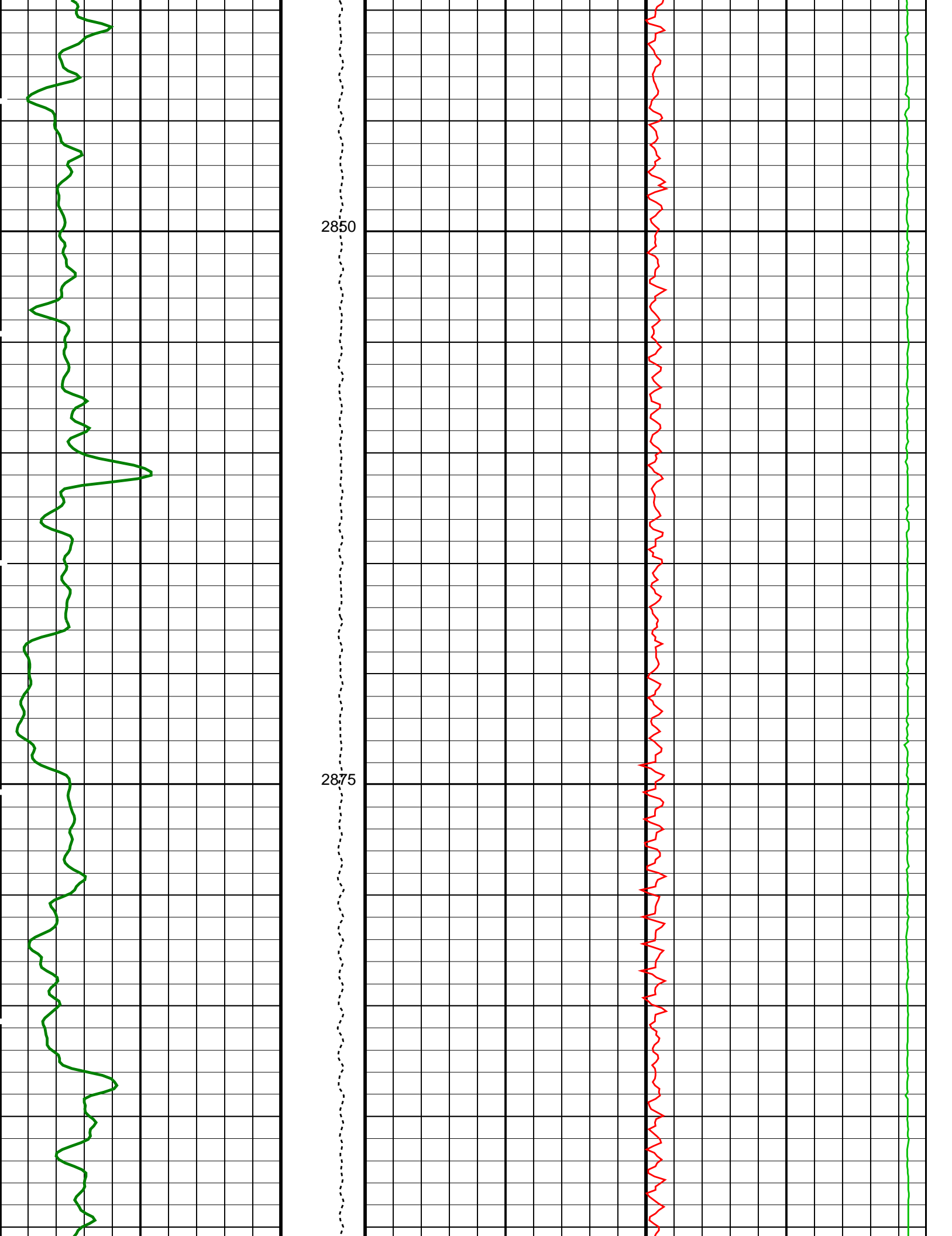
OP System Version: 19C0-187

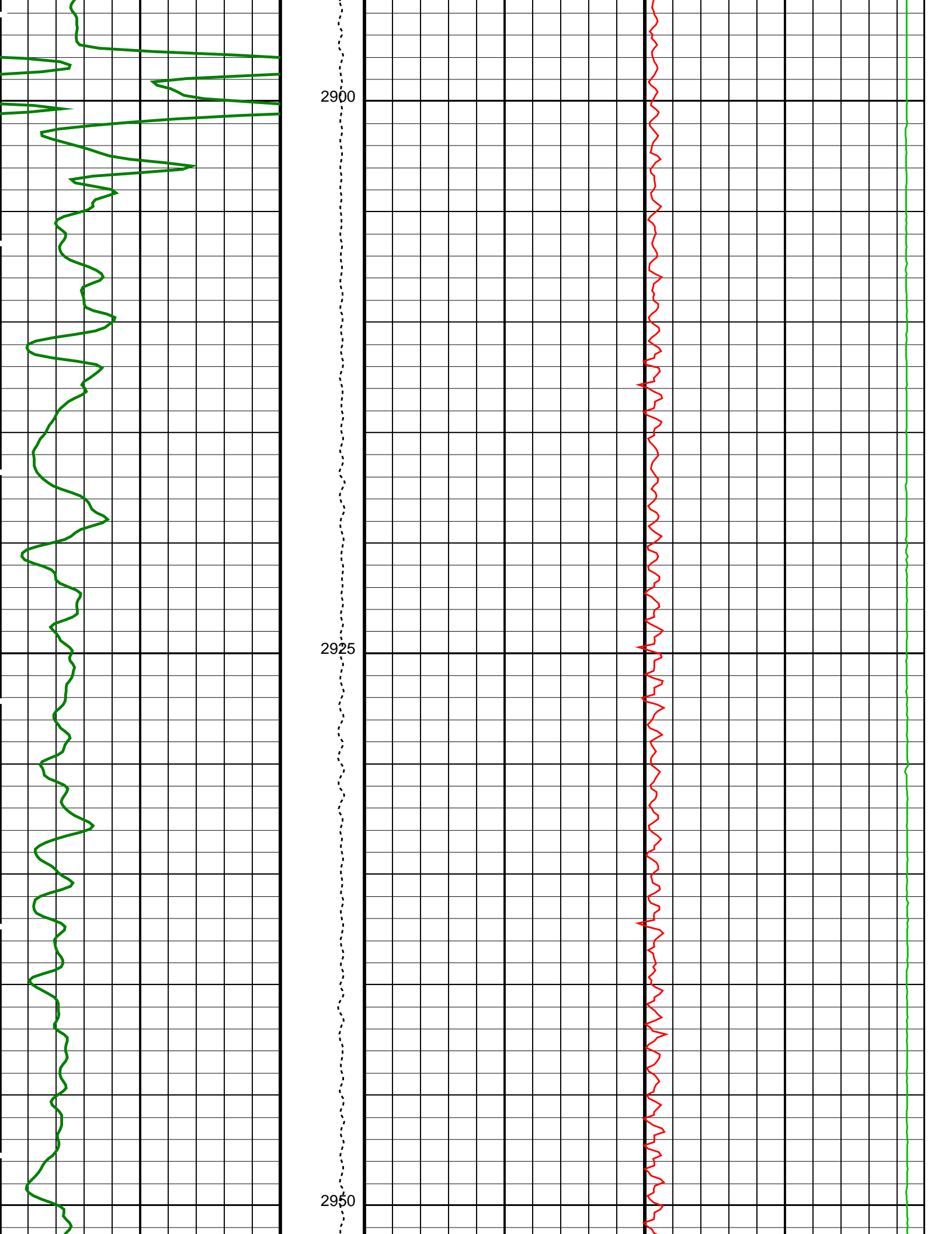
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	19C0-187		

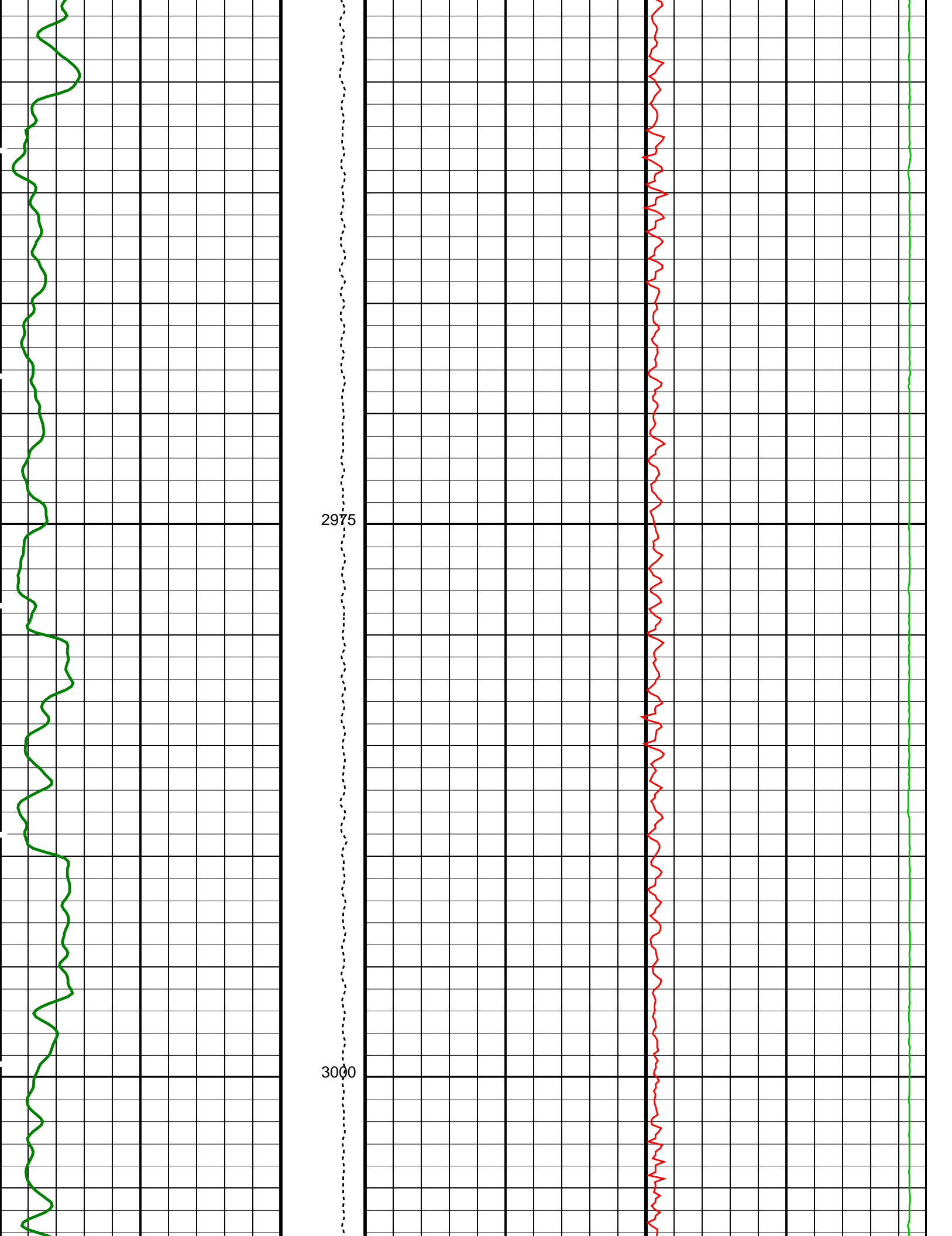
PIP SUMMARY

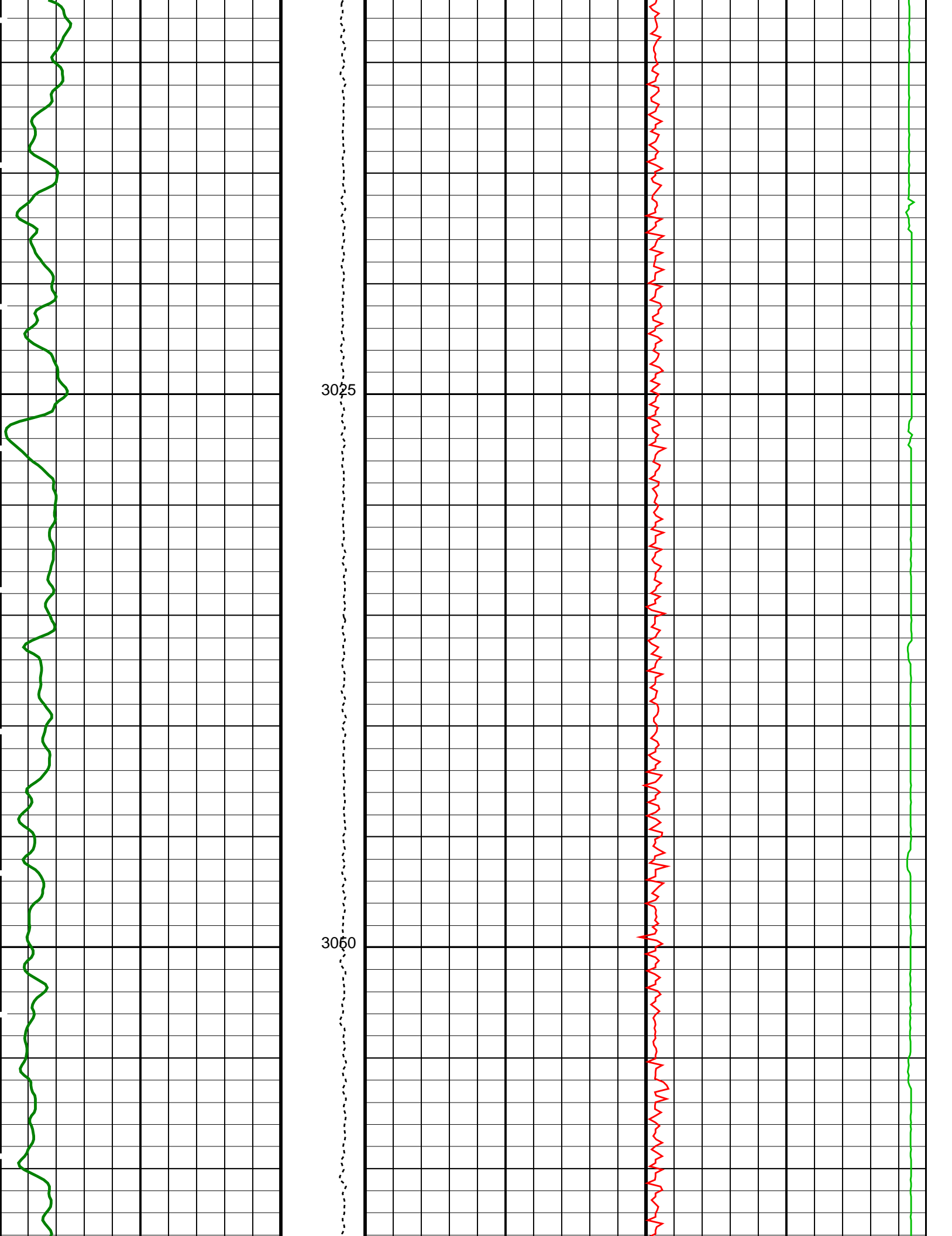
Time Mark Every 60 S

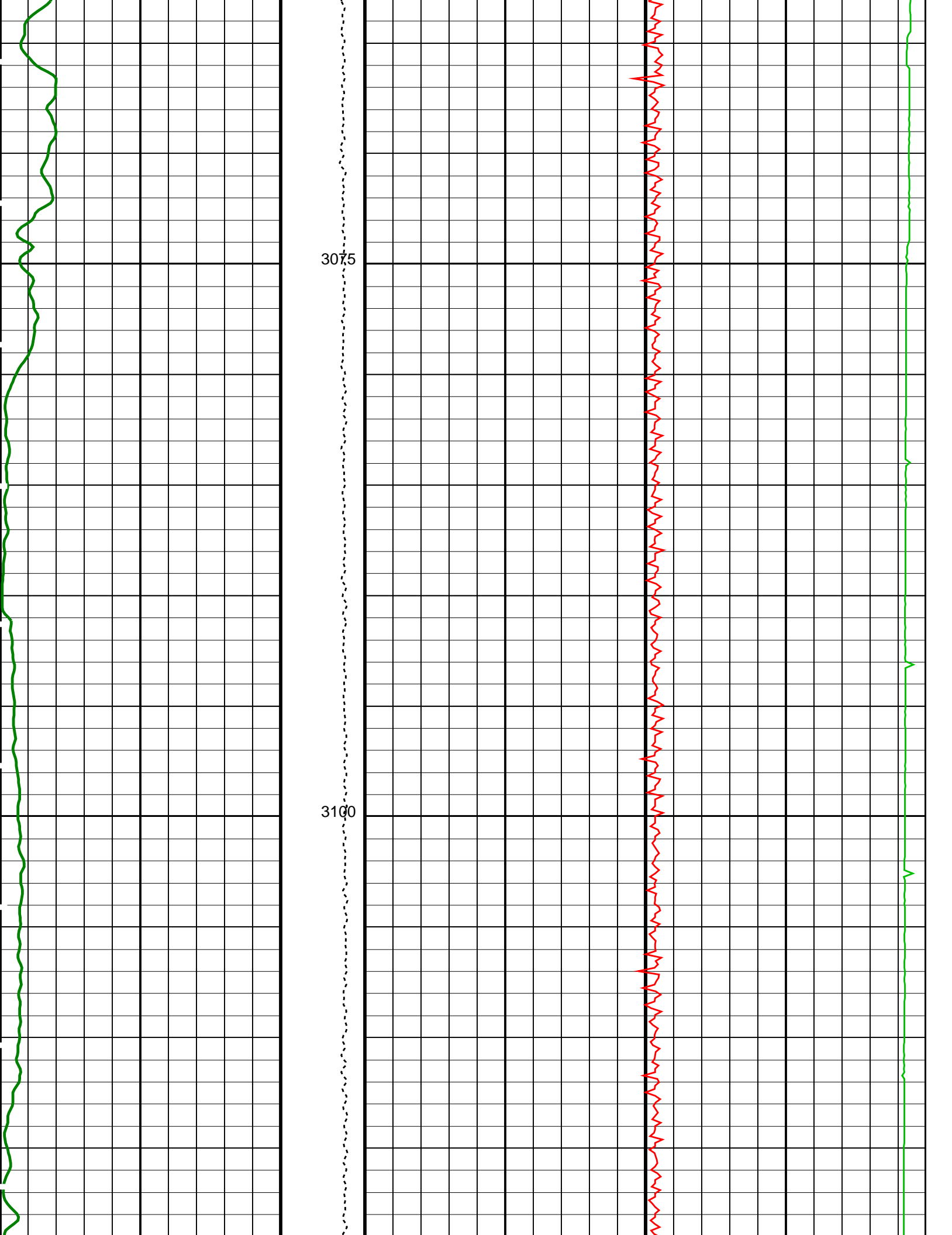


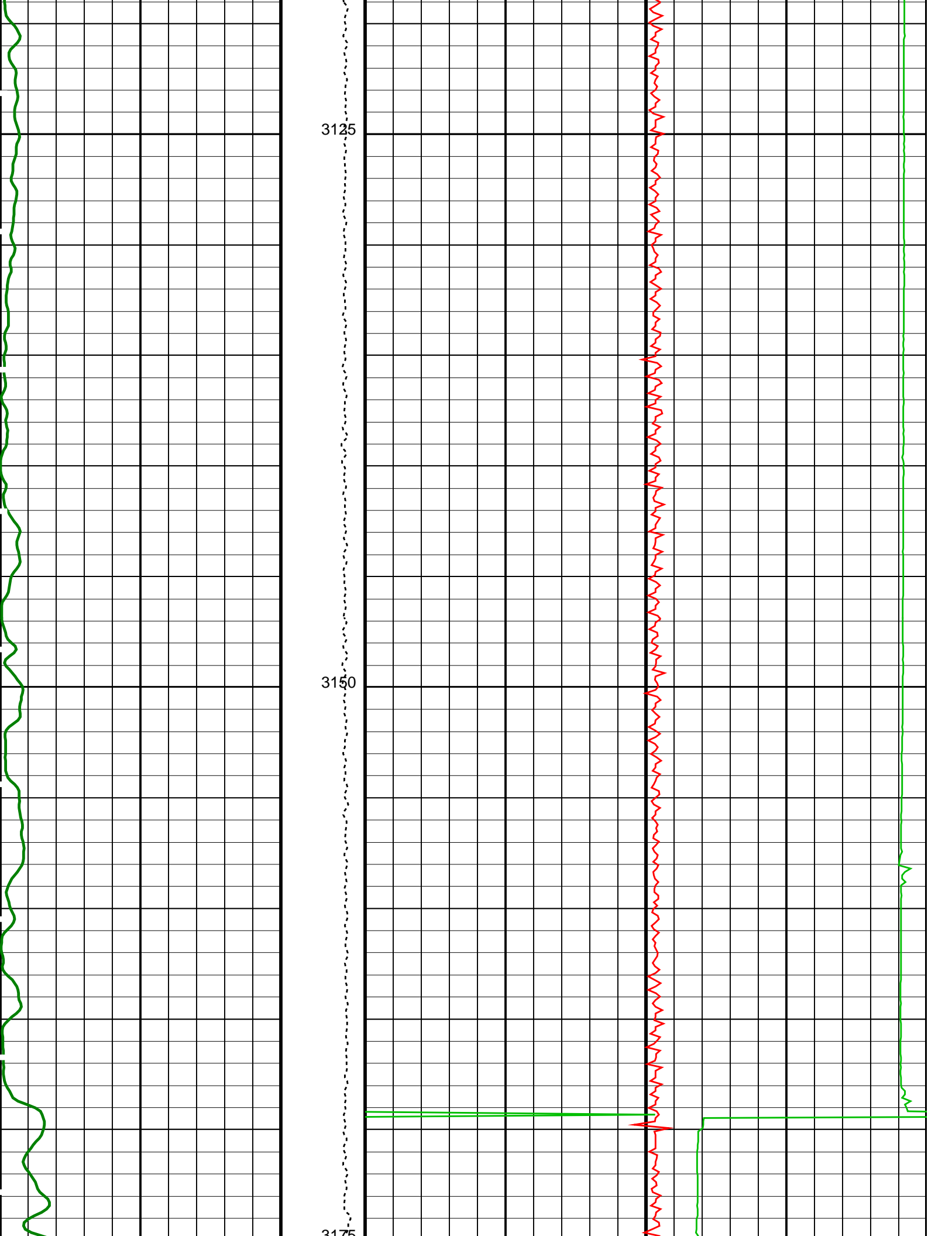


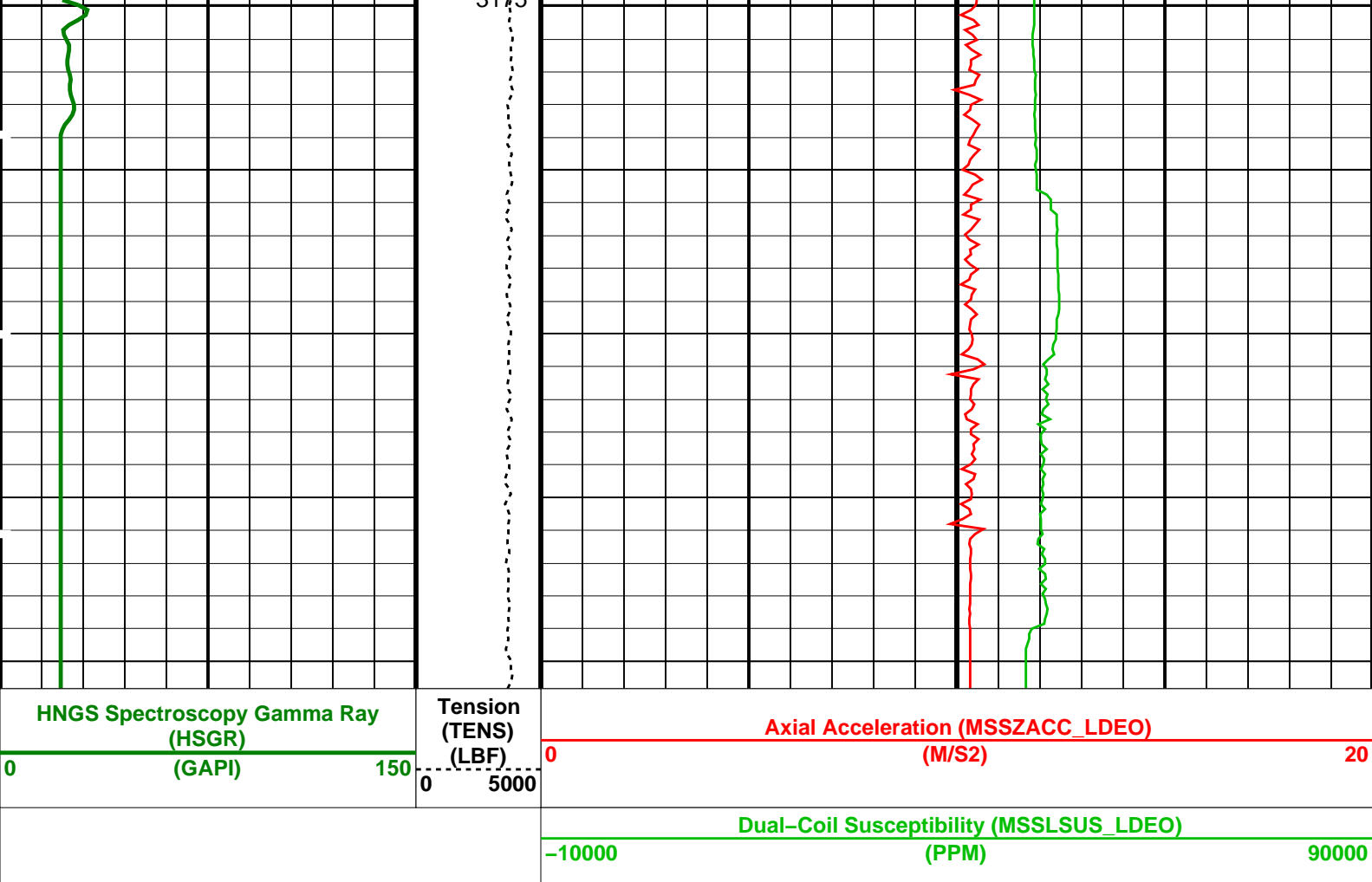












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	BS	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00340658	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.990735	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.976415	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3

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

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_NGS_030LUP	FN:29	PRODUCER	31-Mar-2024 12:59
RTB	MSS_LDEO_HRLA_NGS_030LUP	FN:30	PRODUCER	31-Mar-2024 12:59



Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M01							
Before: 30-Mar-2024 16:56 After: 30-Mar-2024 21:42							
HRLT M0-M1 Voltage Plus – 0	0	N/A	-318.9	-319.1	-0.1241	9.681	UV
HRLT M0-M1 Voltage Plus – 1	0	N/A	-333.2	-333.0	0.1177	9.681	UV
HRLT M0-M1 Voltage Plus – 2	0	N/A	-340.0	-339.8	0.1991	9.681	UV
HRLT M0-M1 Voltage Plus – 3	0	N/A	-329.9	-330.0	-0.1522	9.681	UV
HRLT M0-M1 Voltage Plus – 4	0	N/A	-319.9	-320.1	-0.1269	9.681	UV
HRLT M0-M1 Voltage Plus – 5	0	N/A	-321.5	-321.7	-0.1465	9.681	UV
HRLT M0-M1 Voltage Plus – 6	0	N/A	322.9	323.3	0.4759	9.681	UV
HRLT M0-M1 Voltage Plus – 7	0	N/A	-322.7	-322.7	0	9.681	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M12							
Before: 30-Mar-2024 16:56 After: 30-Mar-2024 21:42							
HRLT M1-M2 Voltage Plus – 0	0	N/A	1741	1742	0.1477	53.42	UV
HRLT M1-M2 Voltage Plus – 1	0	N/A	1821	1820	-1.061	53.42	UV
HRLT M1-M2 Voltage Plus – 2	0	N/A	1853	1852	-1.531	53.42	UV
HRLT M1-M2 Voltage Plus – 3	0	N/A	1799	1799	0.3273	53.42	UV
HRLT M1-M2 Voltage Plus – 4	0	N/A	1745	1746	0.5804	53.42	UV
HRLT M1-M2 Voltage Plus – 5	0	N/A	1756	1756	0.4282	53.42	UV
HRLT M1-M2 Voltage Plus – 6	0	N/A	-1772	-1775	-2.378	53.42	UV
HRLT M1-M2 Voltage Plus – 7	0	N/A	1781	1781	0	53.42	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M23							
Before: 30-Mar-2024 16:56 After: 30-Mar-2024 21:42							
HRLT M2-M3 Voltage Plus – 0	0	N/A	1733	1733	0.01282	53.42	UV
HRLT M2-M3 Voltage Plus – 1	0	N/A	1824	1821	-2.721	53.42	UV
HRLT M2-M3 Voltage Plus – 2	0	N/A	1858	1855	-2.316	53.42	UV
HRLT M2-M3 Voltage Plus – 3	0	N/A	1807	1807	0.1553	53.42	UV
HRLT M2-M3 Voltage Plus – 4	0	N/A	1747	1747	0.2603	53.42	UV
HRLT M2-M3 Voltage Plus – 5	0	N/A	1759	1759	0.1592	53.42	UV
HRLT M2-M3 Voltage Plus – 6	0	N/A	-1763	-1765	-1.468	53.42	UV
HRLT M2-M3 Voltage Plus – 7	0	N/A	1781	1781	0	53.42	UV
High Resolution Laterolog Array – B Wellsite Calibration – HRLT V34							
Before: 30-Mar-2024 16:56 After: 30-Mar-2024 21:42							
HRLT A3-A4 Voltage Plus – 0	0	N/A	68650	68720	69.00	2100	UV
HRLT A3-A4 Voltage Plus – 1	0	N/A	72070	72070	-6.398	2100	UV
HRLT A3-A4 Voltage Plus – 2	0	N/A	73690	73680	-8.219	2100	UV
HRLT A3-A4 Voltage Plus – 3	0	N/A	71920	71990	69.83	2100	UV
HRLT A3-A4 Voltage Plus – 4	0	N/A	69540	69590	51.48	2100	UV
HRLT A3-A4 Voltage Plus – 5	0	N/A	70000	70060	63.43	2100	UV
HRLT A3-A4 Voltage Plus – 6	0	N/A	-68700	-68820	-116.2	2100	UV
HRLT A3-A4 Voltage Plus – 7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT V45

Before: 30–Mar–2024 16:56		After: 30–Mar–2024 21:42						
HRLT A4–A5 Voltage Plus –	0	0	N/A	68740	68800	62.10	2100	UV
HRLT A4–A5 Voltage Plus –	1	0	N/A	72280	72280	–9.148	2100	UV
HRLT A4–A5 Voltage Plus –	2	0	N/A	73870	73870	–4.109	2100	UV
HRLT A4–A5 Voltage Plus –	3	0	N/A	72070	72130	56.17	2100	UV
HRLT A4–A5 Voltage Plus –	4	0	N/A	69650	69690	48.80	2100	UV
HRLT A4–A5 Voltage Plus –	5	0	N/A	70090	70150	60.19	2100	UV
HRLT A4–A5 Voltage Plus –	6	0	N/A	–68910	–69030	–123.1	2100	UV
HRLT A4–A5 Voltage Plus –	7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT V56

Before: 30–Mar–2024 16:56		After: 30–Mar–2024 21:42						
HRLT A5–A6 Voltage Plus –	0	0	N/A	68600	68650	54.58	2100	UV
HRLT A5–A6 Voltage Plus –	1	0	N/A	72110	72110	–7.313	2100	UV
HRLT A5–A6 Voltage Plus –	2	0	N/A	73730	73690	–39.44	2100	UV
HRLT A5–A6 Voltage Plus –	3	0	N/A	71950	72000	50.09	2100	UV
HRLT A5–A6 Voltage Plus –	4	0	N/A	69510	69580	64.84	2100	UV
HRLT A5–A6 Voltage Plus –	5	0	N/A	69970	70030	60.84	2100	UV
HRLT A5–A6 Voltage Plus –	6	0	N/A	–68750	–68860	–114.4	2100	UV
HRLT A5–A6 Voltage Plus –	7	0	N/A	70000	70000	0	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT VTP

Before: 30–Mar–2024 16:56		After: 30–Mar–2024 21:42						
HRLT Torpedo–M0 Voltage –	0	0	N/A	–68110	–68180	–64.70	2100	UV
HRLT Torpedo–M0 Voltage –	1	0	N/A	–71930	–71910	20.87	2100	UV
HRLT Torpedo–M0 Voltage –	2	0	N/A	–73560	–73540	23.46	2100	UV
HRLT Torpedo–M0 Voltage –	3	0	N/A	–71850	–71900	–57.14	2100	UV
HRLT Torpedo–M0 Voltage –	4	0	N/A	–69470	–69510	–46.59	2100	UV
HRLT Torpedo–M0 Voltage –	5	0	N/A	–69920	–69980	–59.97	2100	UV
HRLT Torpedo–M0 Voltage –	6	0	N/A	68510	68620	107.2	2100	UV
HRLT Torpedo–M0 Voltage –	7	0	N/A	–70000	–70000	0	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT VBD

Before: 30–Mar–2024 16:56		After: 30–Mar–2024 21:42						
HRLT Bridle#9–M0 Voltage –	0	0	N/A	–68150	–68210	–65.30	2100	UV
HRLT Bridle#9–M0 Voltage –	1	0	N/A	–72010	–71990	16.51	2100	UV
HRLT Bridle#9–M0 Voltage –	2	0	N/A	–73660	–73620	40.66	2100	UV
HRLT Bridle#9–M0 Voltage –	3	0	N/A	–71920	–71980	–64.38	2100	UV
HRLT Bridle#9–M0 Voltage –	4	0	N/A	–69510	–69570	–56.17	2100	UV
HRLT Bridle#9–M0 Voltage –	5	0	N/A	–69960	–70010	–54.41	2100	UV
HRLT Bridle#9–M0 Voltage –	6	0	N/A	68580	68720	134.4	2100	UV
HRLT Bridle#9–M0 Voltage –	7	0	N/A	–70000	–70000	0	2100	UV

High Resolution Laterolog Array – B Wellsite Calibration – HRLT ISO

Before: 30–Mar–2024 16:56		After: 30–Mar–2024 21:42						
HRLT Source Current Plus –	0	0	N/A	284.2	284.6	0.3543	8.520	UA
HRLT Source Current Plus –	1	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus –	2	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus –	3	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus –	4	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus –	5	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus –	6	0	N/A	281.1	281.1	0	8.520	UA
HRLT Source Current Plus –	7	0	N/A	281.1	281.1	0	8.520	UA

High Resolution Laterolog Array – B Wellsite Calibration – HRLT MV

Before: 30–Mar–2024 16:56		After: 30–Mar–2024 21:42						
HRLT Vertical Voltage PI –	0	0	N/A	–320.5	–320.4	0.05054	9.681	UV
HRLT Vertical Voltage PI –	1	0	N/A	–326.8	–326.5	0.3606	9.681	UV
HRLT Vertical Voltage PI –	2	0	N/A	–332.6	–332.3	0.3658	9.681	UV
HRLT Vertical Voltage PI –	3	0	N/A	–321.3	–321.2	0.02689	9.681	UV
HRLT Vertical Voltage PI –	4	0	N/A	–309.0	–309.0	–0.003448	9.681	UV
HRLT Vertical Voltage PI –	5	0	N/A	–325.7	–325.6	0.03513	9.681	UV
HRLT Vertical Voltage PI –	6	0	N/A	329.3	329.5	0.2113	9.681	UV
HRLT Vertical Voltage PI –	7	0	N/A	–322.7	–322.7	0	9.681	UV

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check

Master: Calibration out of date		20–Apr–2023 3:22	Before: 30–Mar–2024 17:01	After: 30–Mar–2024 21:46				
Na 511 Peak Loc	40.00	38.56	38.62	38.62	0.002377	1.000		
Na 511 Peak Res	15.50	16.82	16.73	16.68	–0.05842	2.000	%	
High Voltage	1150	1206	1194	1200	5.835	N/A	V	
Na 1785 Peak Loc	142.6	139.2	139.5	139.6	0.08415	7.000		
Na 1785 Peak Res	8.500	9.087	8.710	9.122	0.4116	2.000	%	
Temperature	15.50	26.64	21.44	21.83	0.3934	N/A	DEGC	
Na Count Rate	45.00	47.40	37.25	37.44	0.1949	8.000	CPS	

Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check

Master: Calibration out of date		20–Apr–2023 3:22	Before: 30–Mar–2024 17:01	After: 30–Mar–2024 21:46				
Na 511 Peak Loc	40.00	39.72	39.58	39.67	0.08819	1.000		
Na 511 Peak Res	15.50	15.41	16.53	15.75	–0.7861	2.000	%	
High Voltage	1150	1206	1202	1205	3.725	N/A	V	

High Voltage	1150	1089	1082	1085	2.733	N/A	V
Na 1785 Peak Loc	142.6	142.9	142.2	142.6	0.3491	7.000	%
Na 1785 Peak Res	8.500	8.753	9.042	8.837	-0.2048	2.000	DEGC
Temperature	15.50	25.53	20.81	22.01	1.203	N/A	CPS
Na Count Rate	45.00	47.70	37.29	37.57	0.2836	8.000	
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: Calibration out of date 20-Apr-2023 3:22 Before: 30-Mar-2024 17:01 After: 30-Mar-2024 21:46							
Coincidence Count Rate Ratio	1.000	0.9913	0.9955	0.9933	-0.002193	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 30-Mar-2024 16:56							
EDTC Z-Axis Acceleration	9.810	N/A	9.791	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 30-Mar-2024 16:57 After: 30-Mar-2024 21:44							
Gamma Ray (Jig – Bkg)	166.1	N/A	166.1	167.9	1.810	15.10	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	166.8	1.798	15.00	GAPI

High Resolution Laterolog Array – B / Equipment Identification

Primary Equipment:

HRLT Sonde

HRLS – B

768

Auxiliary Equipment:

HRLT lower Housing

HRLH – B

1869

HRLT Lower Cartridge

HRLC – B

1897

HRLT upper Housing

















HRUH – B




975

HRLT Upper Cartridge

HRUC – B

964

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M01						
Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-318.9	-322.7	-280.7	-379.7
	After		-319.1			
1	Before		-333.2	-322.7	-280.7	-379.7
	After		-333.0			
2	Before		-340.0	-322.7	-280.7	-379.7
	After		-339.8			
3	Before		-329.9	-322.7	-280.7	-379.7
	After		-330.0			
4	Before		-319.9	-322.7	-280.7	-379.7
	After		-320.1			
5	Before		-321.5	-322.7	-280.7	-379.7
	After		-321.7			
6	Before		322.9	322.7	379.7	280.7
	After		323.3			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
(Minimum) (Nominal) (Maximum)						
Before: 30-Mar-2024 16:56						
After: 30-Mar-2024 21:42						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1741	1781	2095	1549
	After		1742			
						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2–M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1733	1781	2095	1549
	After		1733			
1	Before		1824	1781	2095	1549
	After		1821			
2	Before		1858	1781	2095	1549
	After		1855			
3	Before		1807	1781	2095	1549
	After		1807			
4	Before		1747	1781	2095	1549
	After		1747			
5	Before		1759	1781	2095	1549
	After		1759			
6	Before		-1763	-1781	-1549	-2095
	After		-1765			
7	Before		1781	1781	2095	1549
	After		1781			
Before: 30–Mar–2024 16:56						
After: 30–Mar–2024 21:42						

2	Before		73690	70000	82360	60900
	After		73680			
3	Before		71920	70000	82360	60900
	After		71990			
4	Before		69540	70000	82360	60900
	After		69590			
5	Before		70000	70000	82360	60900
	After		70060			
6	Before		-68700	-70000	-60900	-82360
	After		-68820			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						
Before: 30-Mar-2024 16:56						
After: 30-Mar-2024 21:42						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68740	70000	82360	60900
	After		68800			
1	Before		72280	70000	82360	60900
	After		72280			
2	Before		73870	70000	82360	60900
	After		73870			
3	Before		72070	70000	82360	60900
	After		72130			
4	Before		69650	70000	82360	60900
	After		69690			
5	Before		70090	70000	82360	60900
	After		70150			
6	Before		-68910	-70000	-60900	-82360
	After		-69030			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						
Before: 30-Mar-2024 16:56						
After: 30-Mar-2024 21:42						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68600	70000	82360	60900
	After		68650			
1	Before		72110	70000	82360	60900
	After		72110			
2	Before		73730	70000	82360	60900
	After		73690			

3	Before		71950	70000	82360	60900
	After		72000			
4	Before		69510	70000	82360	60900
	After		69580			
5	Before		69970	70000	82360	60900
	After		70030			
6	Before		-68750	-70000	-60900	-82360
	After		-68860			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						
Before: 30-Mar-2024 16:56						
After: 30-Mar-2024 21:42						

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VTP							
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68110	-70000	-60900	-82360	
	After		-68180				
1	Before		-71930	-70000	-60900	-82360	
	After		-71910				
2	Before		-73560	-70000	-60900	-82360	
	After		-73540				
3	Before		-71850	-70000	-60900	-82360	
	After		-71900				
4	Before		-69470	-70000	-60900	-82360	
	After		-69510				
5	Before		-69920	-70000	-60900	-82360	
	After		-69980				
6	Before		68510	70000	82360	60900	
	After		68620				
7	Before		-70000	-70000	-60900	-82360	
	After		-70000				
(Minimum) (Nominal) (Maximum)							
Before: 30-Mar-2024 16:56							
After: 30-Mar-2024 21:42							

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VBD							
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68150	-70000	-60900	-82360	
	After		-68210				
1	Before		-72010	-70000	-60900	-82360	
	After		-71990				
2	Before		-73660	-70000	-60900	-82360	
	After		-73620				
3	Before		-71920	-70000	-60900	-82360	
	After		-71980				

4	Before		-69510	-70000	-60900	-82360
	After		-69570			
5	Before		-69960	-70000	-60900	-82360
	After		-70010			
6	Before		68580	70000	82360	60900
	After		68720			
7	Before		-70000	-70000	-60900	-82360
	After		-70000			
(Minimum) (Nominal) (Maximum)						
Before: 30-Mar-2024 16:56						
After: 30-Mar-2024 21:42						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		284.2	284.0	334.1	247.0
	After		284.6			
1	Before		281.1	281.1	330.7	244.4
	After		281.1			
2	Before		281.1	281.1	330.7	244.4
	After		281.1			
3	Before		281.1	281.1	330.7	244.4
	After		281.1			
4	Before		281.1	281.1	330.7	244.4
	After		281.1			
5	Before		281.1	281.1	330.7	244.4
	After		281.1			
6	Before		281.1	281.1	330.7	244.4
	After		281.1			
7	Before		281.1	281.1	330.7	244.4
	After		281.1			
(Minimum) (Nominal) (Maximum)						
Before: 30-Mar-2024 16:56						
After: 30-Mar-2024 21:42						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.5	-322.7	-280.7	-379.7
	After		-320.4			
1	Before		-326.8	-322.7	-280.7	-379.7
	After		-326.5			
2	Before		-332.6	-322.7	-280.7	-379.7
	After		-332.3			
3	Before		-321.3	-322.7	-280.7	-379.7
	After		-321.2			
4	Before		-309.0	-322.7	-280.7	-379.7
	After		-309.0			

5	Before		-325.7	-322.7	-280.7	-379.7
	After		-325.6			
6	Before		329.3	322.7	379.7	280.7
	After		329.5			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
(Minimum) (Nominal) (Maximum)						
Before: 30-Mar-2024 16:56						
After: 30-Mar-2024 21:42						

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification		
Primary Equipment: HNGC Cartridge	HNGC – B	300
Auxiliary Equipment: HNGC Housing	HNGH – A	115

Hostile Natural Gamma Ray Sonde / Equipment Identification		
Primary Equipment: HNGS Sonde	HNGS – BA	177
Auxiliary Equipment: HNGS Sonde Housing Gamma Source Radioactive	HNSH – BA GSR – U	174 135

Hostile Natural Gamma Ray Sonde Wellsite Calibration											
Detector 1 Check											
Phase	Na 511 Peak Loc		Value	Phase	Na 511 Peak Res %		Value	Phase	High Voltage V		Value
Master	<div><div></div></div>		38.56	Master	<div><div></div></div>		16.82	Master	<div><div></div></div>		1206
Before	<div><div></div></div>		38.62	Before	<div><div></div></div>		16.73	Before	<div><div></div></div>		1194
After	<div><div></div></div>		38.62	After	<div><div></div></div>		16.68	After	<div><div></div></div>		1200
37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)				12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)				900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)			
Phase	Na 1785 Peak Loc		Value	Phase	Na 1785 Peak Res %		Value	Phase	Temperature DEGC		Value
Master	<div><div></div></div>		139.2	Master	<div><div></div></div>		9.087	Master	<div><div></div></div>		26.64
Before	<div><div></div></div>		139.5	Before	<div><div></div></div>		8.710	Before	<div><div></div></div>		21.44
After	<div><div></div></div>		139.6	After	<div><div></div></div>		9.122	After	<div><div></div></div>		21.83
135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)				7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)				−28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)			
Phase	Na Count Rate CPS		Value								
Master	<div><div></div><div>MASTER-BEFORE LIMIT</div></div>		47.40								
Before	<div><div></div></div>		37.25								
After	<div><div></div></div>		37.44								
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)											
Master: Calibration out of date 20-Apr-2023 3:22				Before: 30-Mar-2024 17:01				After: 30-Mar-2024 21:46			

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 2 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.72	Master		15.41	Master		1089
Before		39.58	Before		16.53	Before		1082
After		39.67	After		15.75	After		1085
37.50 (Minimum) 40.00 (Nominal) 43.50 (Maximum)			12.00 (Minimum) 15.50 (Nominal) 19.00 (Maximum)			900.0 (Minimum) 1150 (Nominal) 1600 (Maximum)		

Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.9	Master		8.753	Master		25.53
Before		142.2	Before		9.042	Before		20.81
After		142.6	After		8.837	After		22.01
	135.0 (Minimum) 142.6 (Nominal) 150.3 (Maximum)			7.000 (Minimum) 8.500 (Nominal) 11.00 (Maximum)			-28.89 (Minimum) 15.50 (Nominal) 60.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		47.70						
Before		37.29						
After		37.57						
	10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)							
Master: Calibration out of date 20-Apr-2023 3:22 Before: 30-Mar-2024 17:01 After: 30-Mar-2024 21:46								

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9913
Before		0.9955
After		0.9933
	0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)	
Master: Calibration out of date 20-Apr-2023 3:22		
Before: 30-Mar-2024 17:01		
After: 30-Mar-2024 21:46		

Enhanced DTS Cartridge / Equipment Identification		
Primary Equipment:		
EDTC Gamma Ray Detector	EDTG – A/B	77693
Enhanced DTS Cartridge	EDTC – B	8529
Auxiliary Equipment:		
EDTC Housing	EDTH – B	8528

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.791
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: 30-Mar-2024 16:56		

Enhanced DTS Cartridge Wellsite Calibration								
Detector Calibration								
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jig – Bkg) GAPI	Value	Phase	Gamma Ray (Calibrated) GAPI	Value
Before		1.621	Before		166.1	Before		165.0
After		1.863	After		167.9	After		166.8
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			151.0 (Minimum) 166.1 (Nominal) 181.2 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	
Before: 30-Mar-2024 16:57			After: 30-Mar-2024 21:44					

Well: **Expedition 402, Site U1617B**
Field: **Tyrrhenian Continent–Ocean Transition**
Rig: **JOIDES Resolution**
Country: **Italy**

High Resolution Laterolog (HRLA)
Magnetic Susceptibility (MSS)
Natural Gamma / MSS (HNGS)