



Well: **Expedition 395, Site U1602E**
Field: **Reykjanes Mantle Convection and Climate**
Rig: **JOIDES Resolution** Country: **Iceland**

Rig:	JOIDES Resolution				
Field:	Reykjanes Mantle Convection and				
Location:	Latitude: N 61.1953*				
Well:	Expedition 395, Site U1602E				
Company:	International Ocean Discovery Program				
		High Resolution Laterolog (HRLA) Magnetic Susceptibility (MSS) Natural Gamma / MSS (HNGS)			
		Latitude: N 61.1953* Longitude: W 38.1799*		Elev.: K.B. 0.00 m G.L. -2720.70 m D.F. 0.00 m	
		Permanent Datum: <u>Sea Floor</u> Log Measured From: <u>Rig Floor</u> Drilling Measured From: <u>Rig Floor</u>		Elev.: <u>-2720.70 m</u> 2720.70 m above Perm. Datum	
		Ocean: Atlantic	Max. Well Deviation 5 deg	Longitude W 38.1799*	Latitude N 61.1953*

Logging Date			22-Jul-2023					
Run Number			1					
Depth Driller			4090.9 m					
Schlumberger Depth			4090.9 m					
Bottom Log Interval			3991 m					
Top Log Interval			2790 m					
Casing Driller Size @ Depth			5.500 in @ 2798.5 m			@		
Casing Schlumberger			2797 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	22-Jul-2023		2:00			
Logger On Bottom		Time	22-Jul-2023		11:15			
Unit Number		Location	627314 Larose, LA					
Recorded By			C. Furman					
Witnessed By			K. Grigar					

[illegible]

[illegible]

DISCLAIMER

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: APS (Not valid)

OS2: HLDS (Not Valid)

REMARKS: RUN NUMBER 1

Hole drilled with RCB bottom hole assembly (BHA) at 9.875" BS

Drill pipe set at 2798.5 mbsf (77.8mbsf) mbrf.

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).

Caliper closed for down log, as it cannot be used in that direction, so Density measurement are NOT valid.

APS switched off on down log to avoid activation / contamination of GR signal, so Neutron Porosity is NOT valid.

Active heave compensator switched on at 2910mbrf while logging down.




Tools became stuck at a depth of 3991mbrf; logging had to be terminated to facilitate fishing operations.

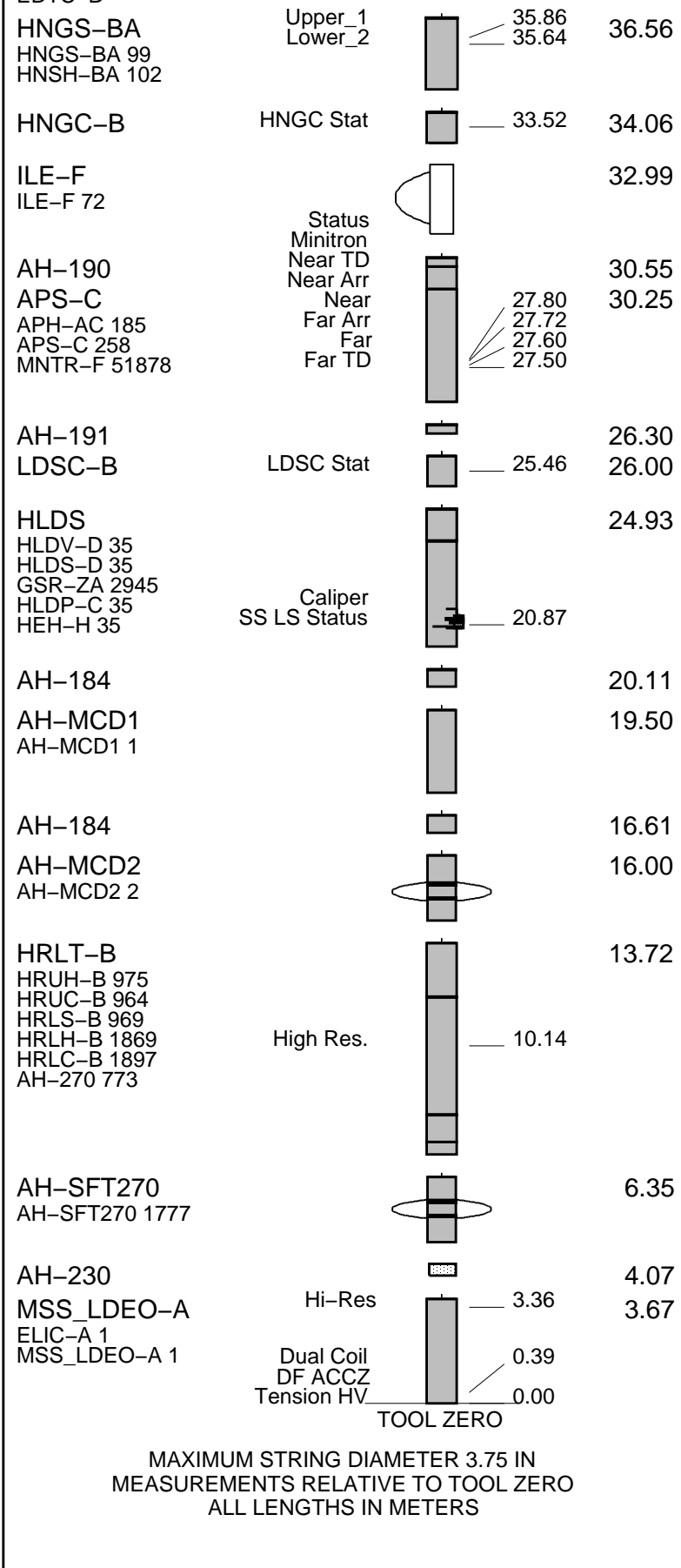
Hole size corrections for downlog were made using BIT SIZE, for lack of caliper data.

Downlog flipped and reprocessed for presentation as primary data set, as no other passes could be recorded.

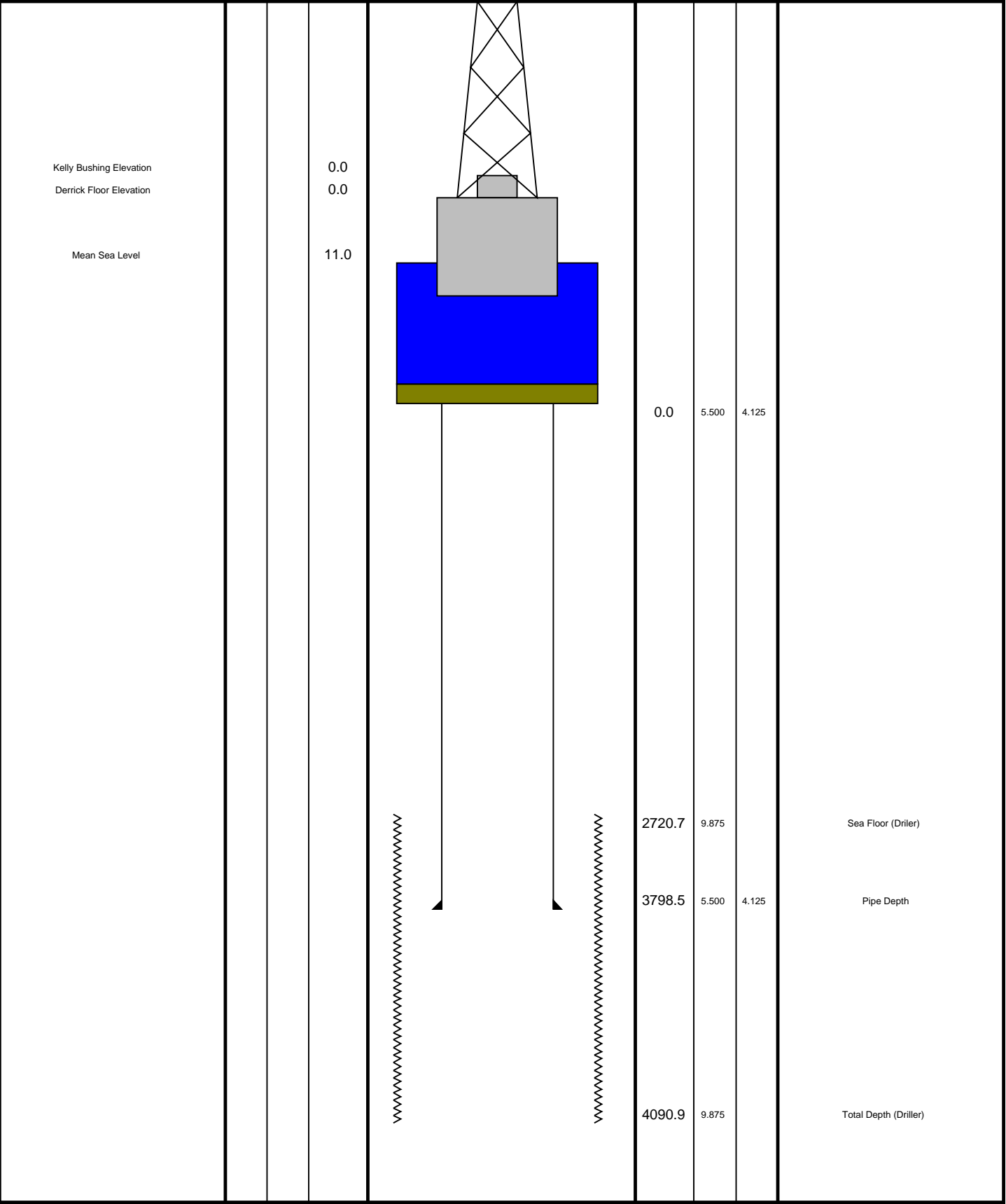
RUN 1 SERVICE ORDER #: PROGRAM VERSION: 19C0-187 FLUID LEVEL:			RUN 2 SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

[illegible]

RUN 1		RUN 2	
SURFACE EQUIPMENT			
SFT-281 SFT-178 GSR-U 135 WITM (EDTS)-A			
DOWNHOLE EQUIPMENT			
LEH-QT	MDSB_EDTC		39.86
	Mud Tempe		38.54
AH-369	CTEM		38.97
	Gamma Ray		36.90
EDTC-B	EFTB DIAG		38.54
EDTH-B 8529	TelStatus		
EDTC-B	EDTCB Ele		36.56



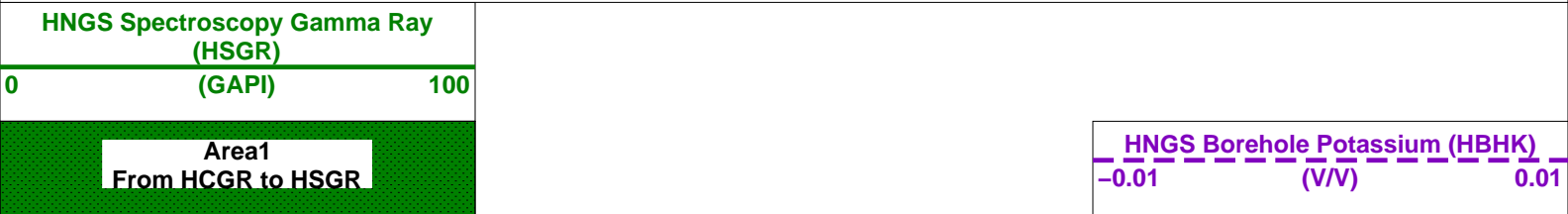
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	OD	ID	MD	MD	OD	ID

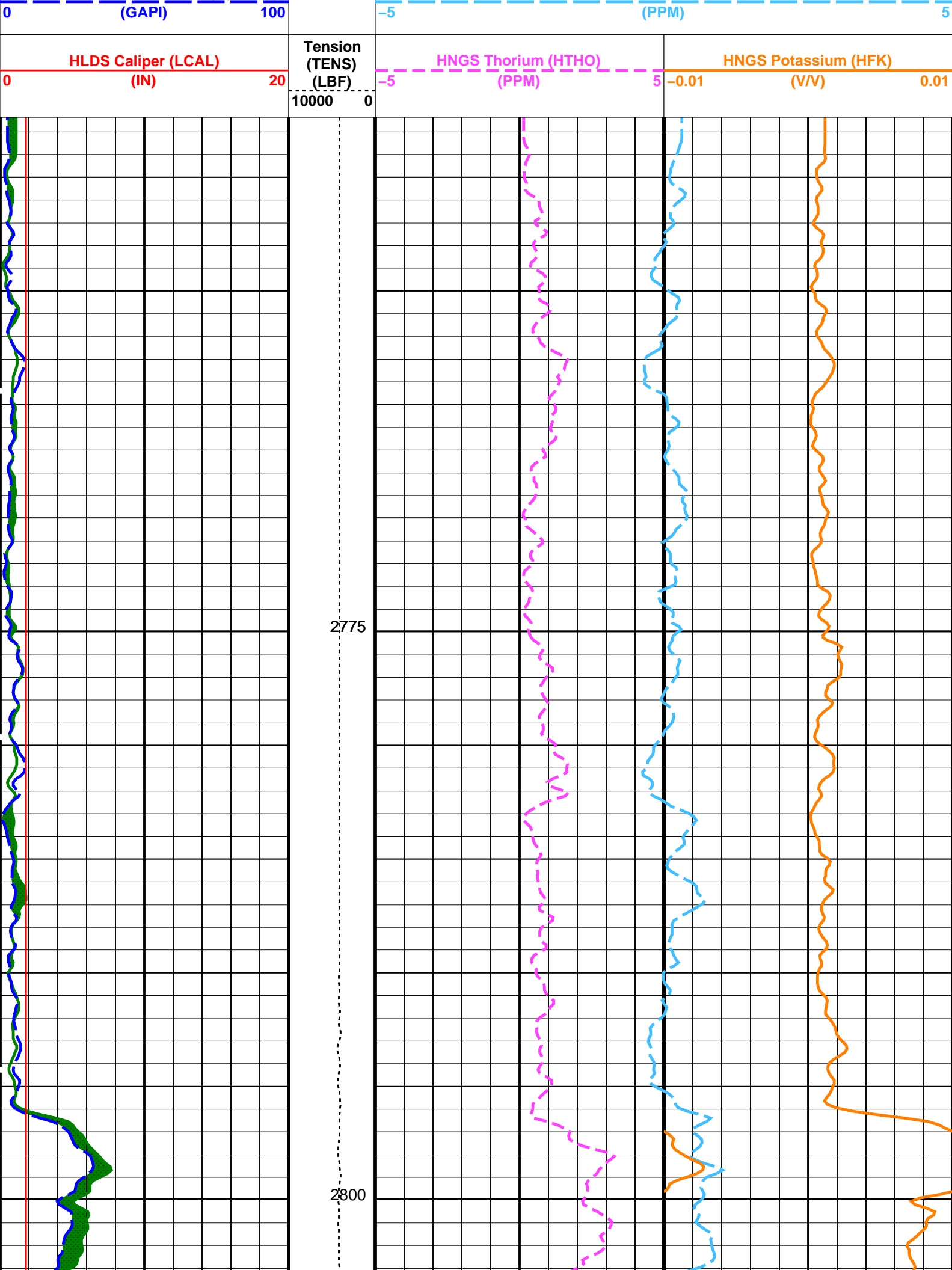


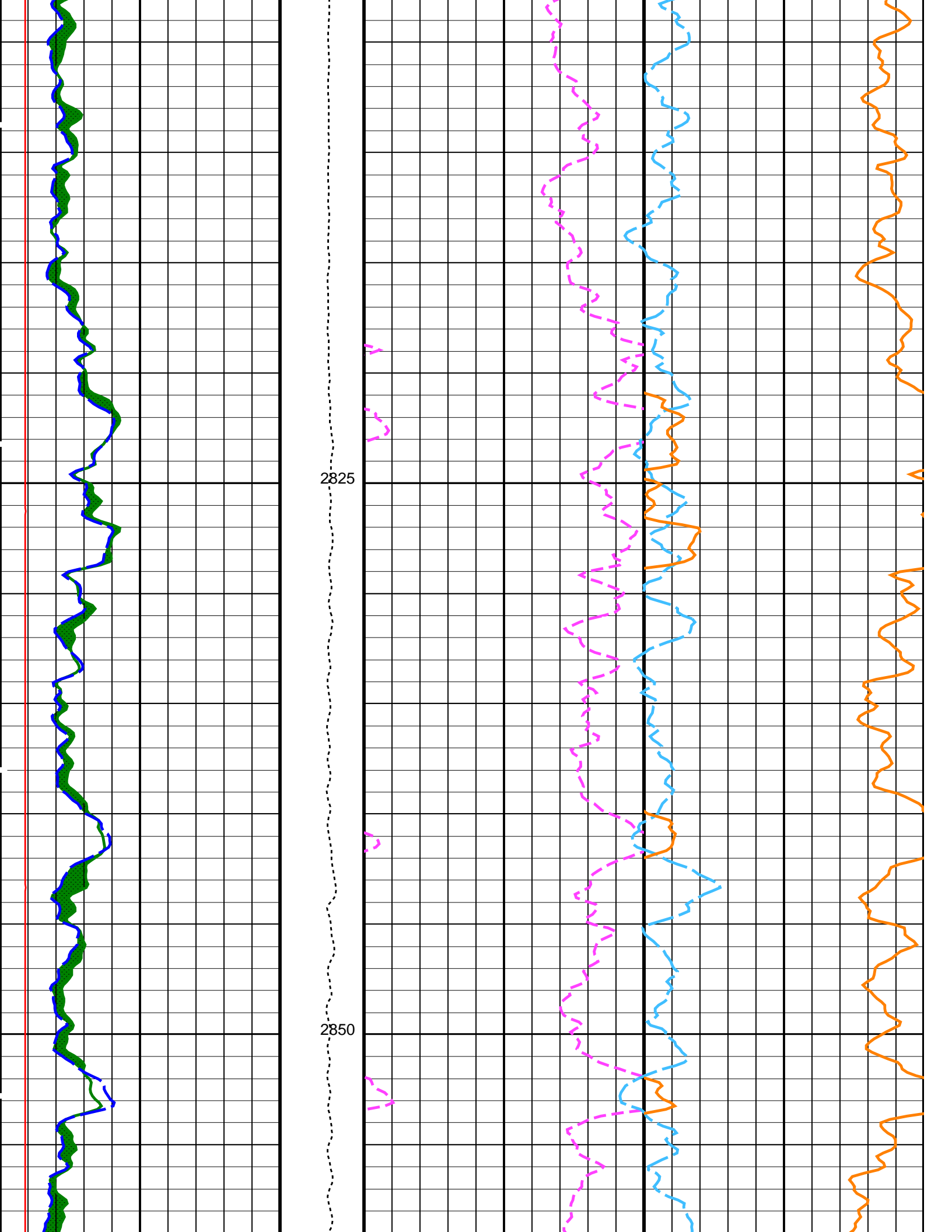
Input DLIS Files						
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Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_017PUP	FN:17	PRODUCER	22-Jul-2023 15:56	3998.5 M	2752.3 M
RTB	MSS_LDEO_HRLA_LDL_017PUP	FN:18	PRODUCER	22-Jul-2023 15:56	3998.5 M	2752.3 M

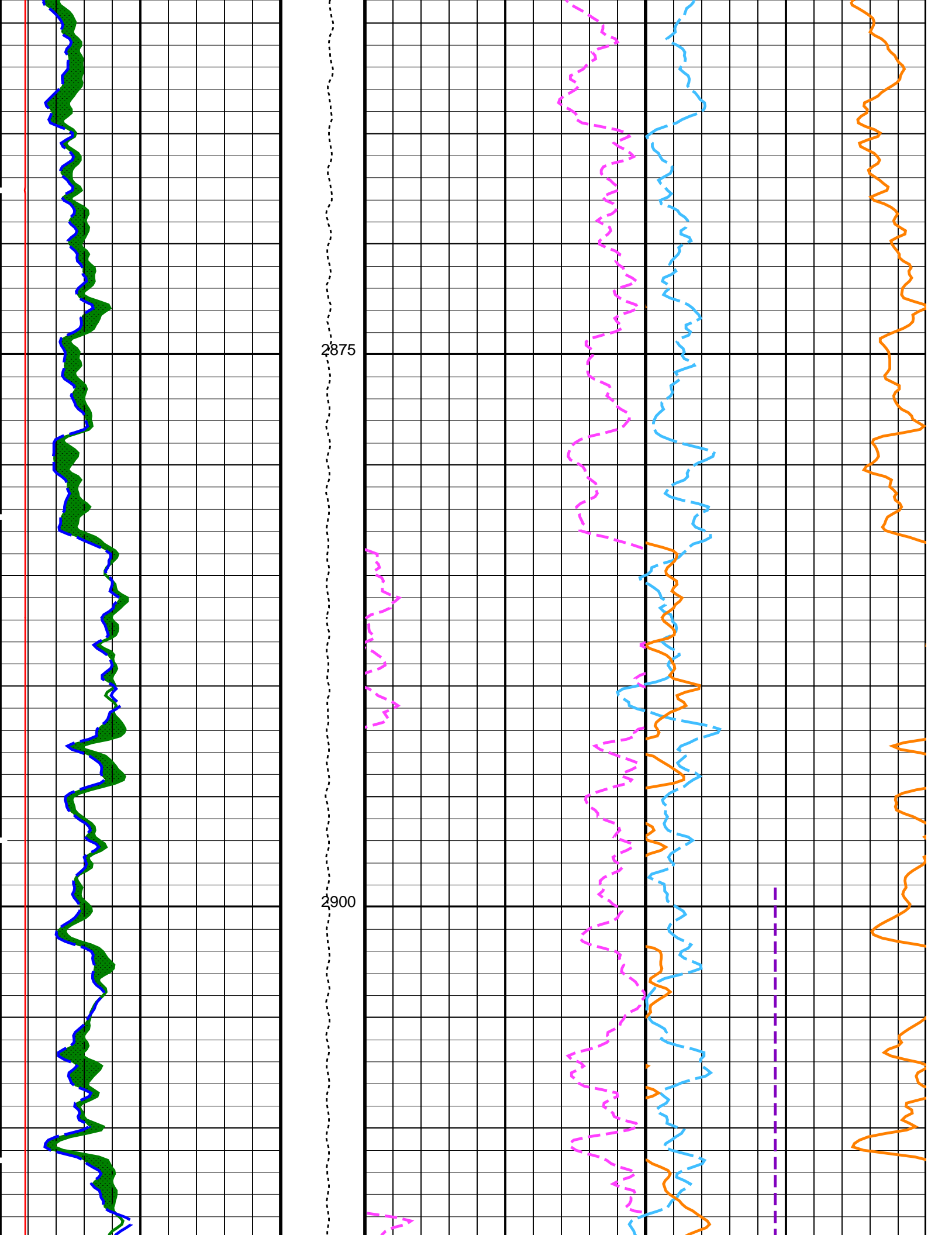
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HLDS	19C0-187		LDSC-B	19C0-187		
APS-C	19C0-187		HNGC-B	19C0-187		
HNGS-BA	19C0-187		EDTC-B	19C0-187		

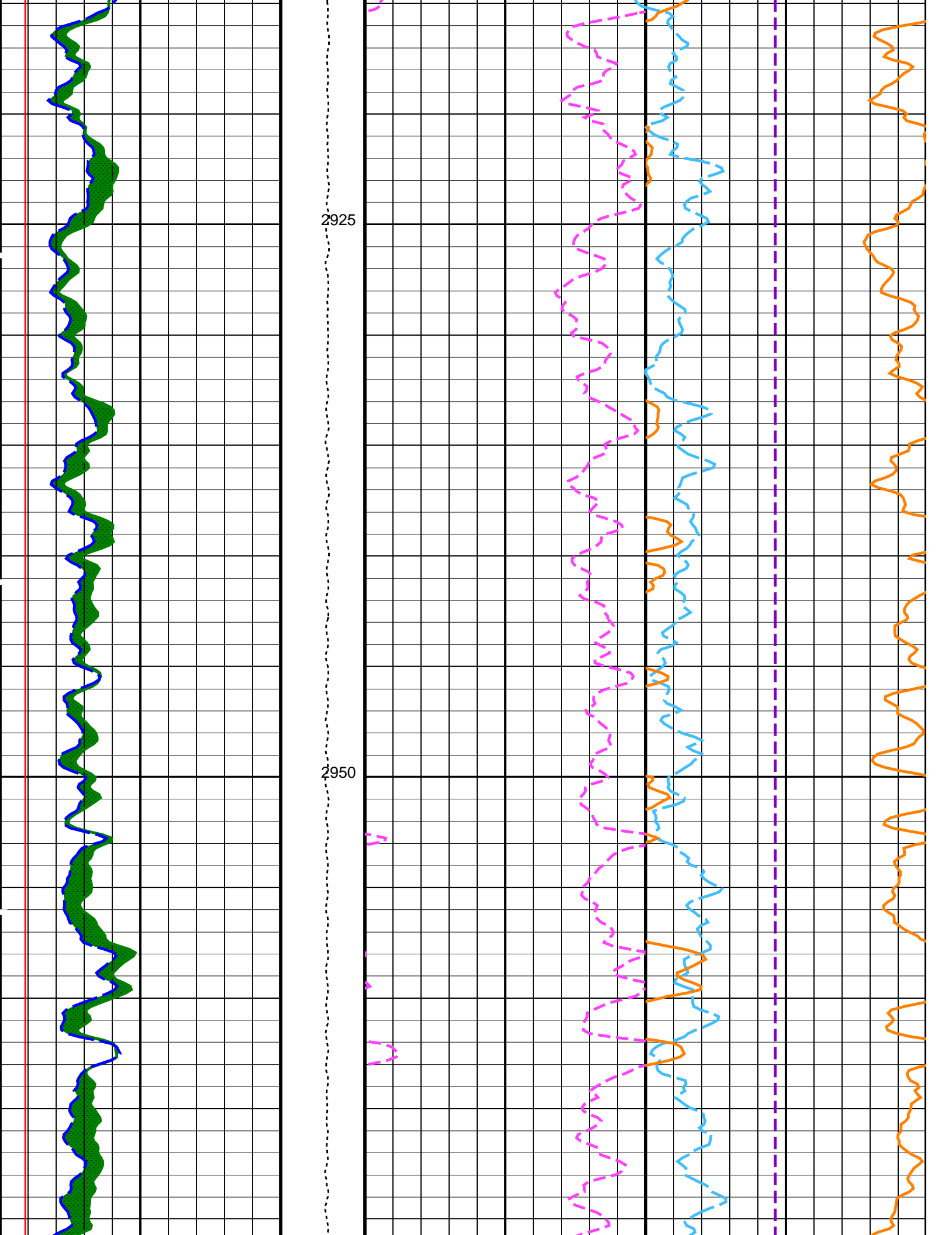
PIP SUMMARY						
<div><div></div>Time Mark Every 60 S</div>						

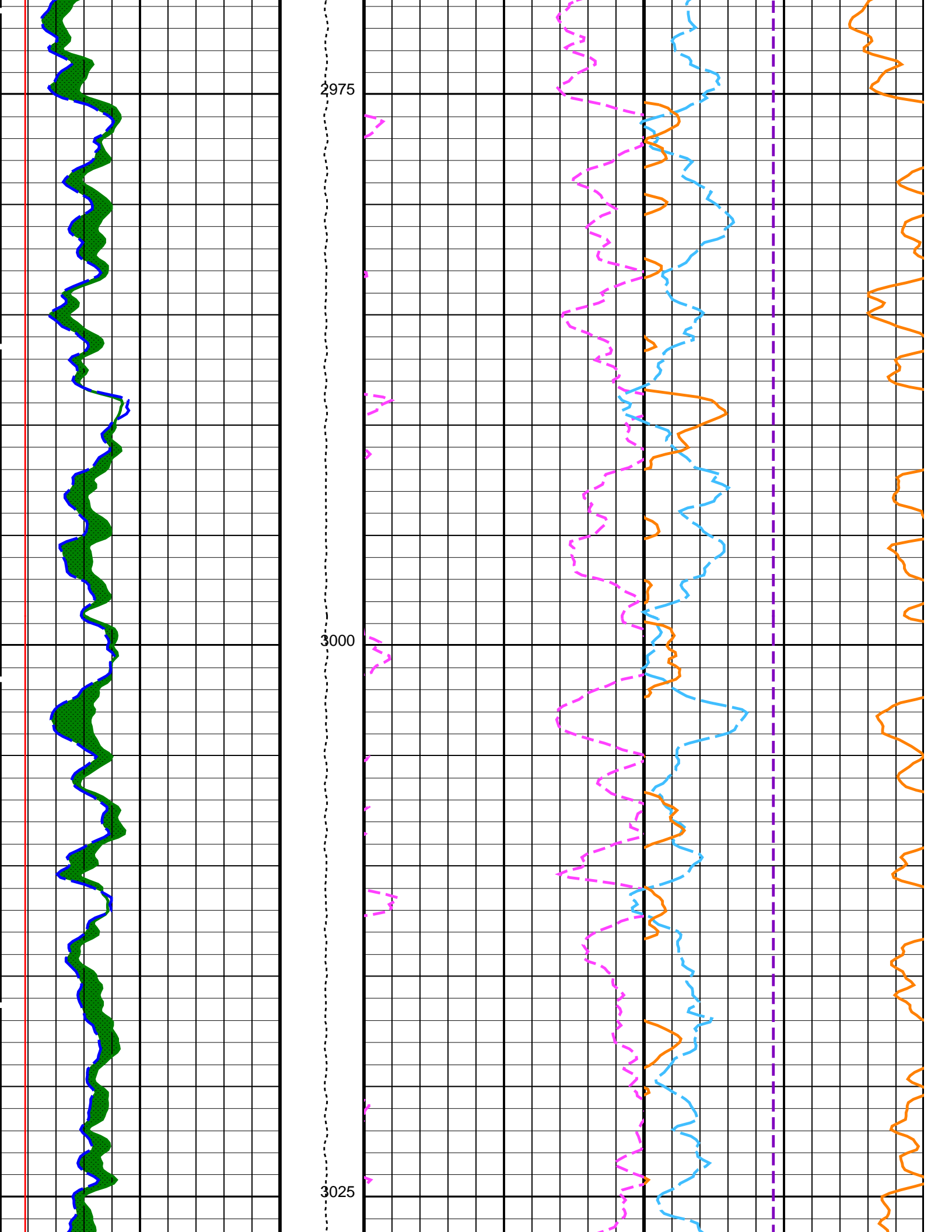


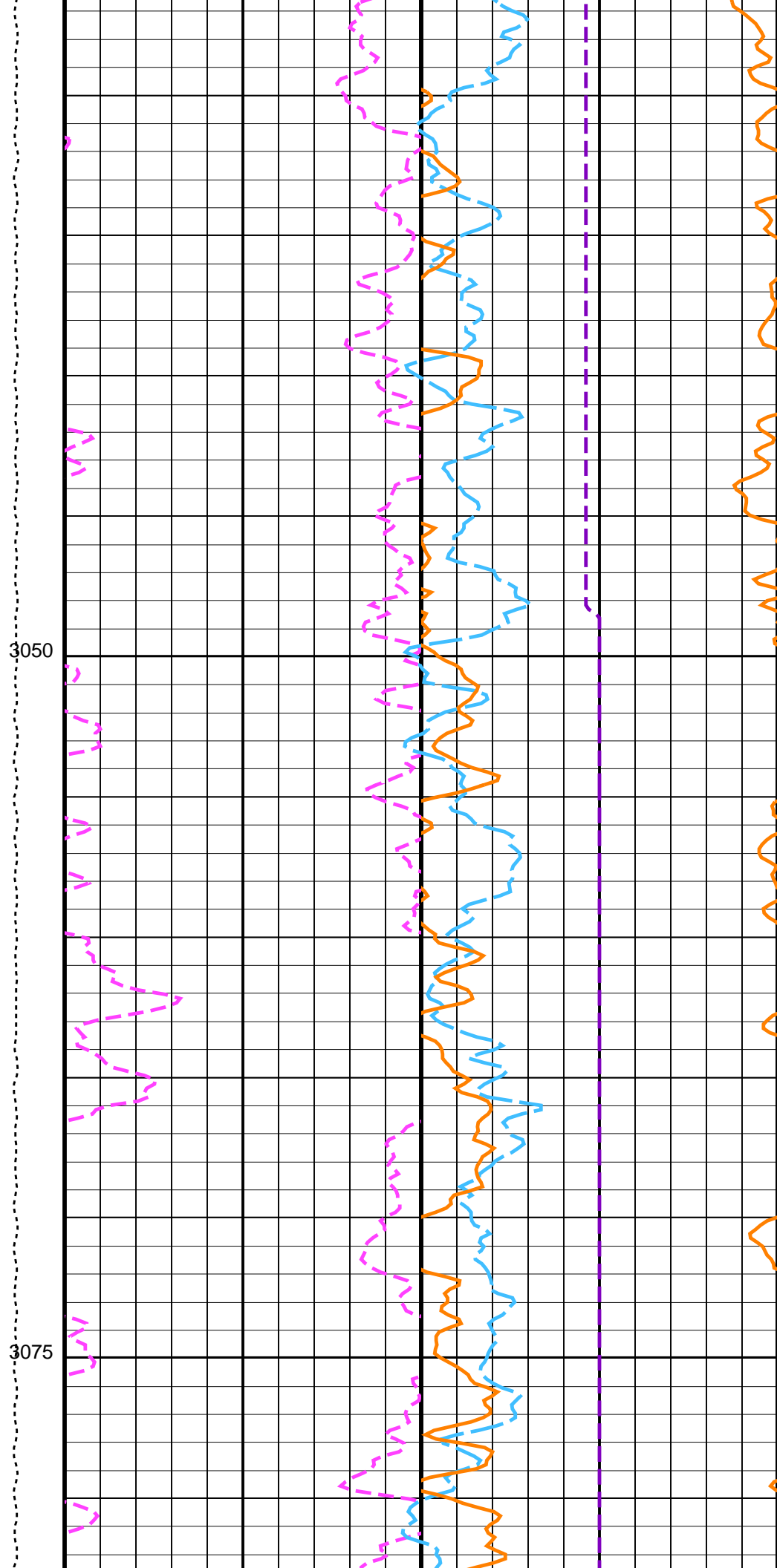
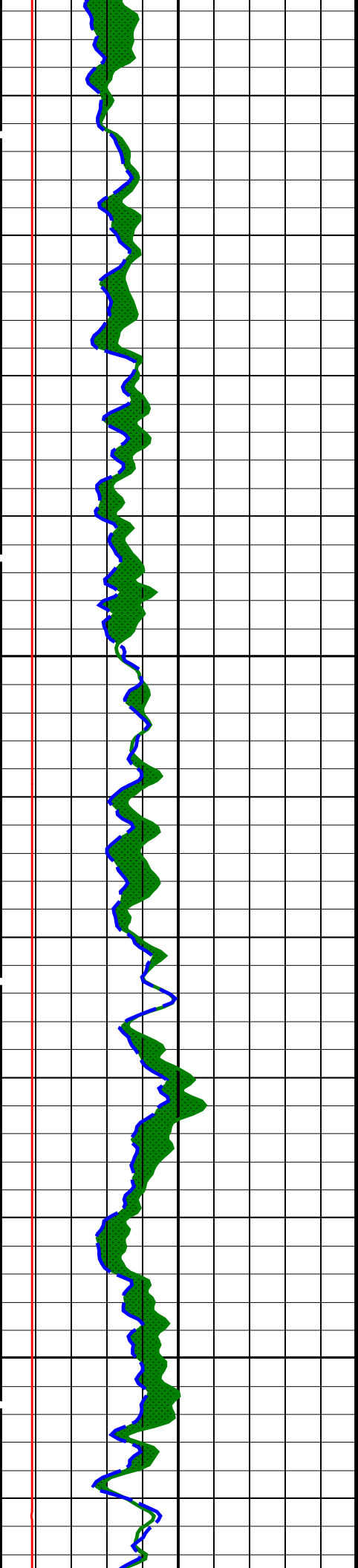


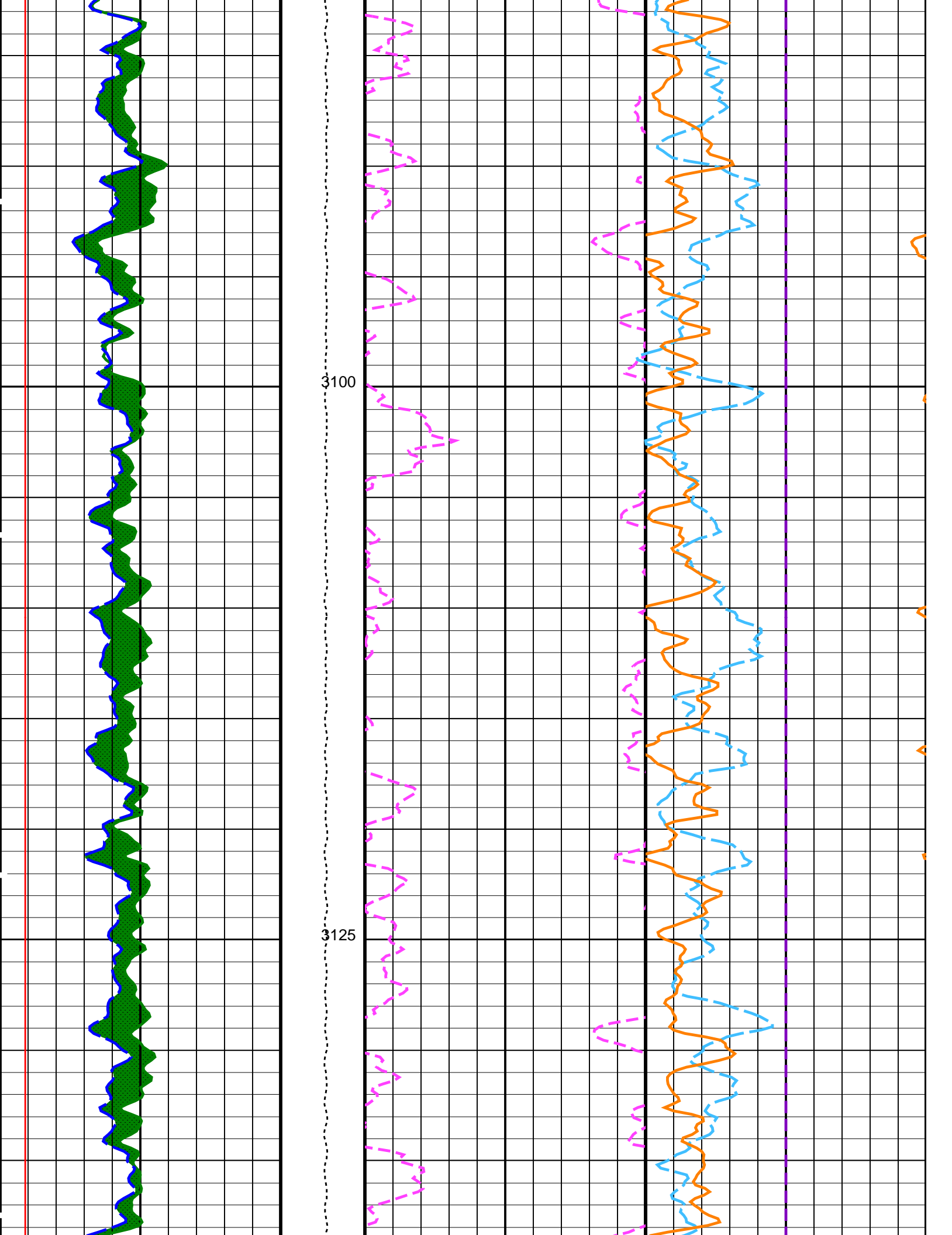


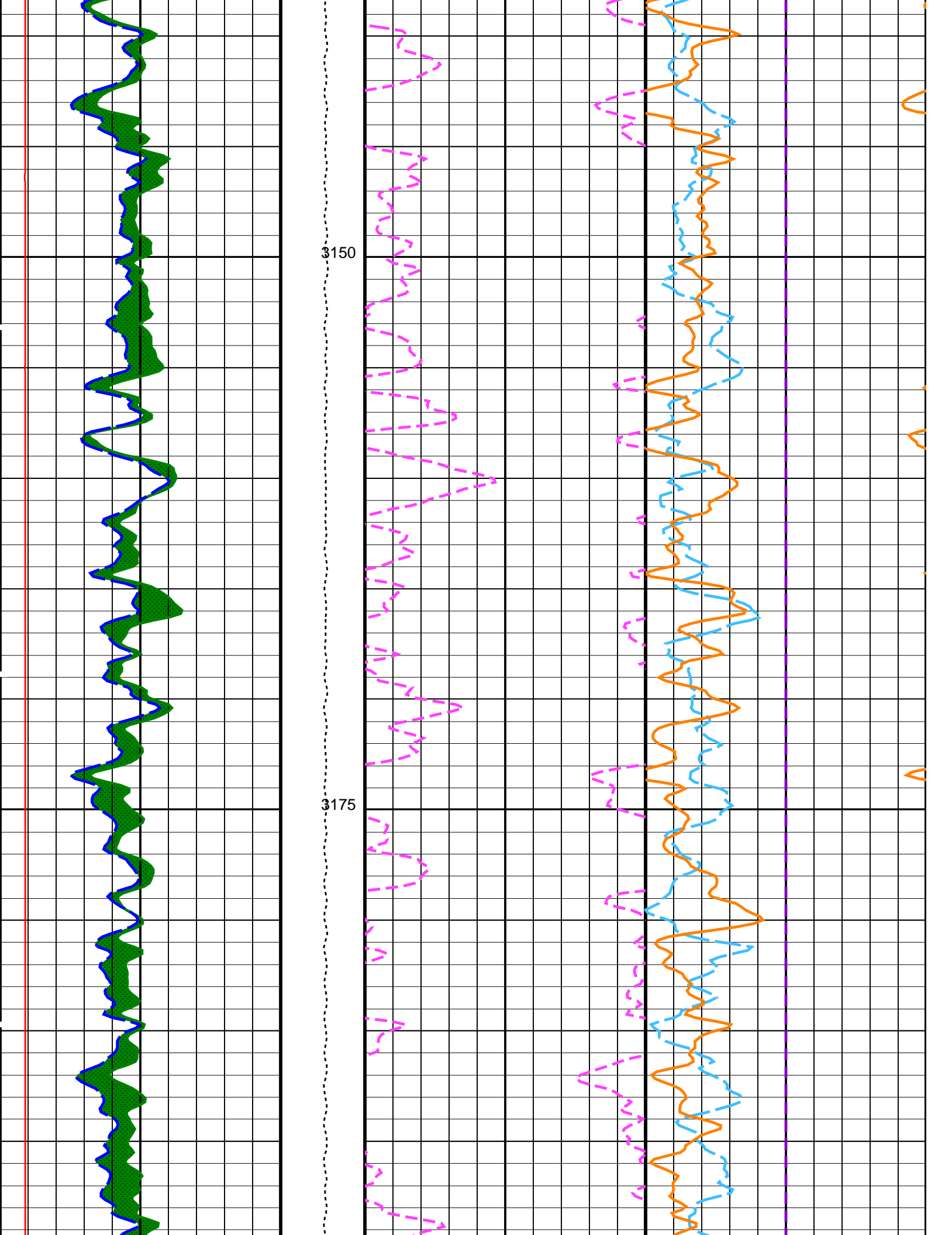


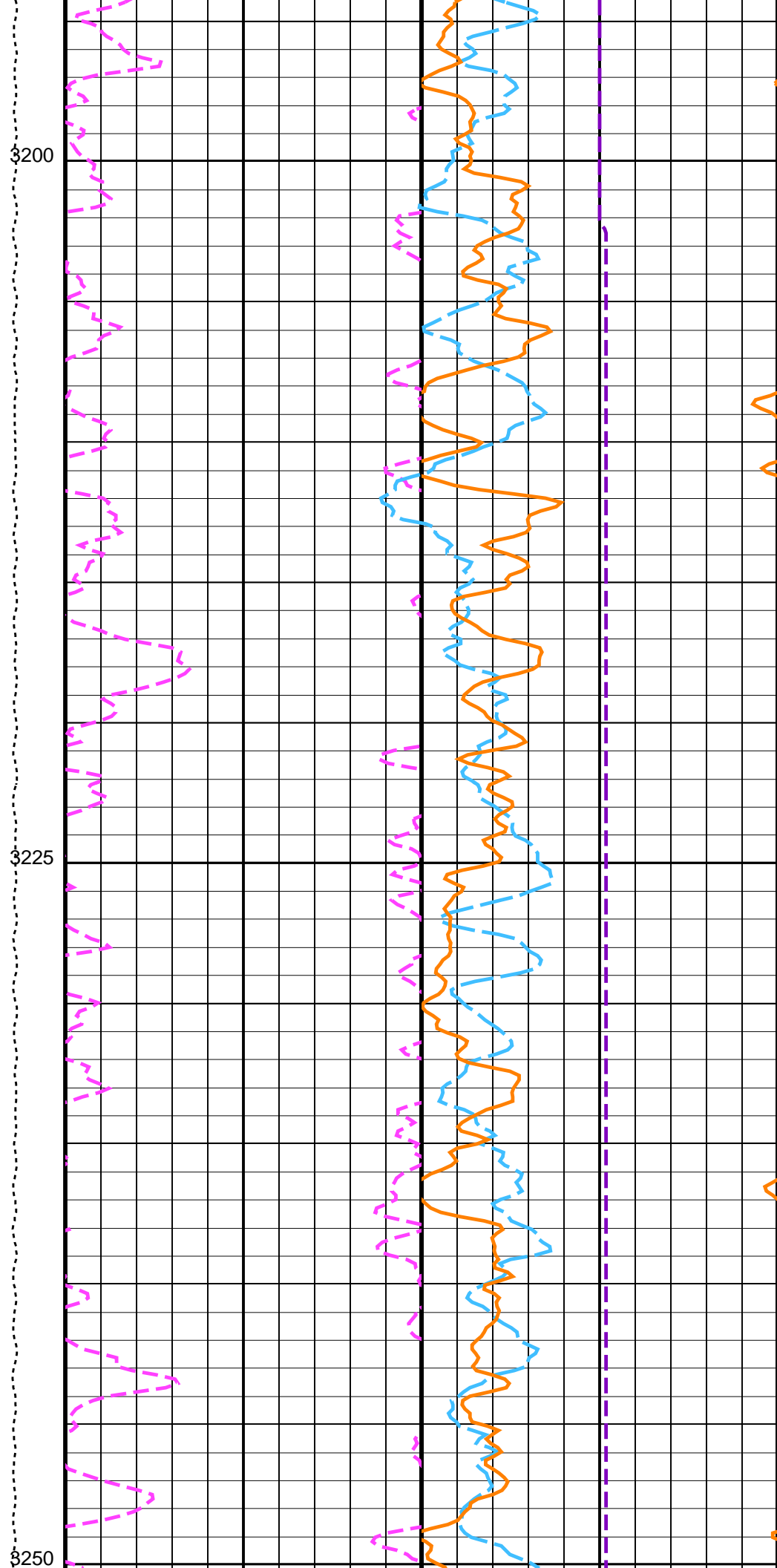
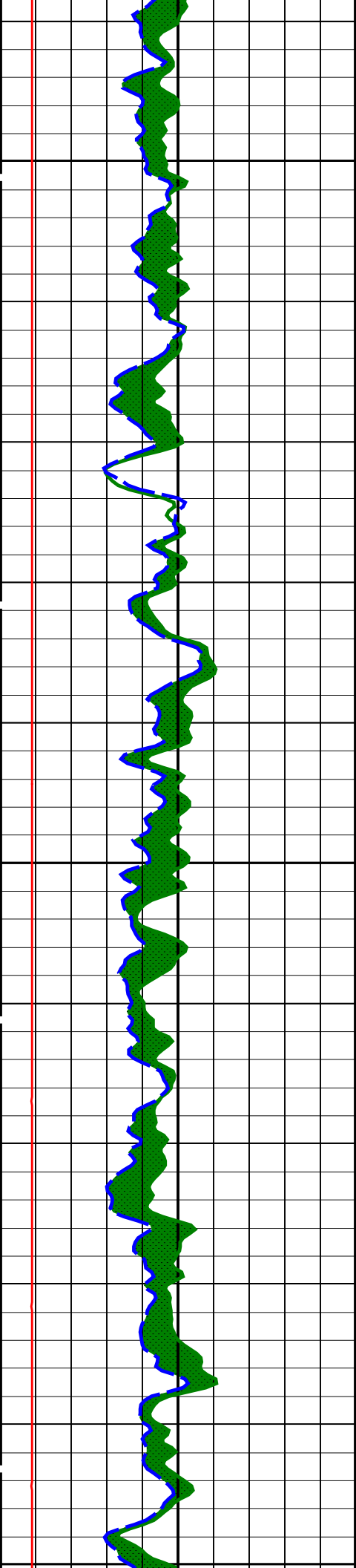


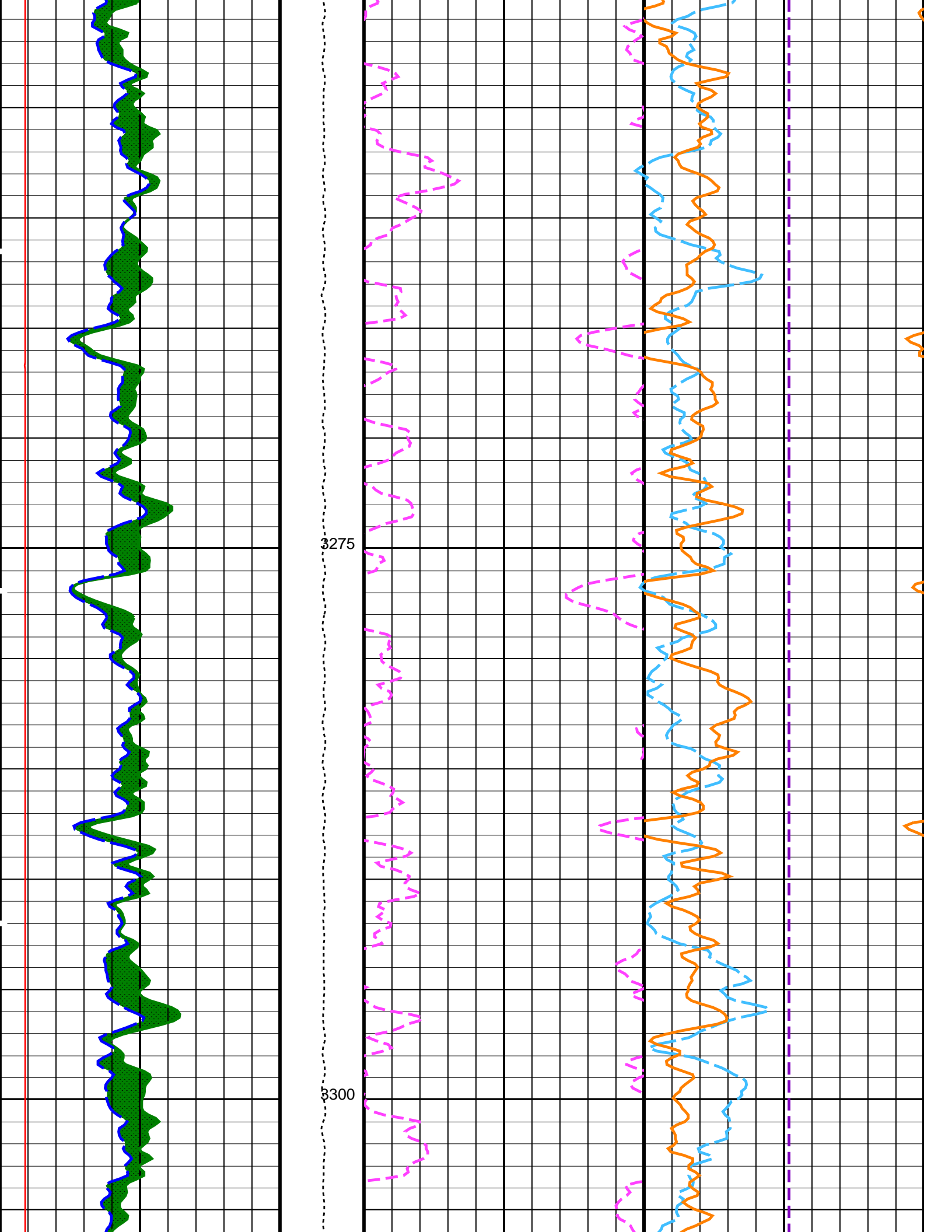


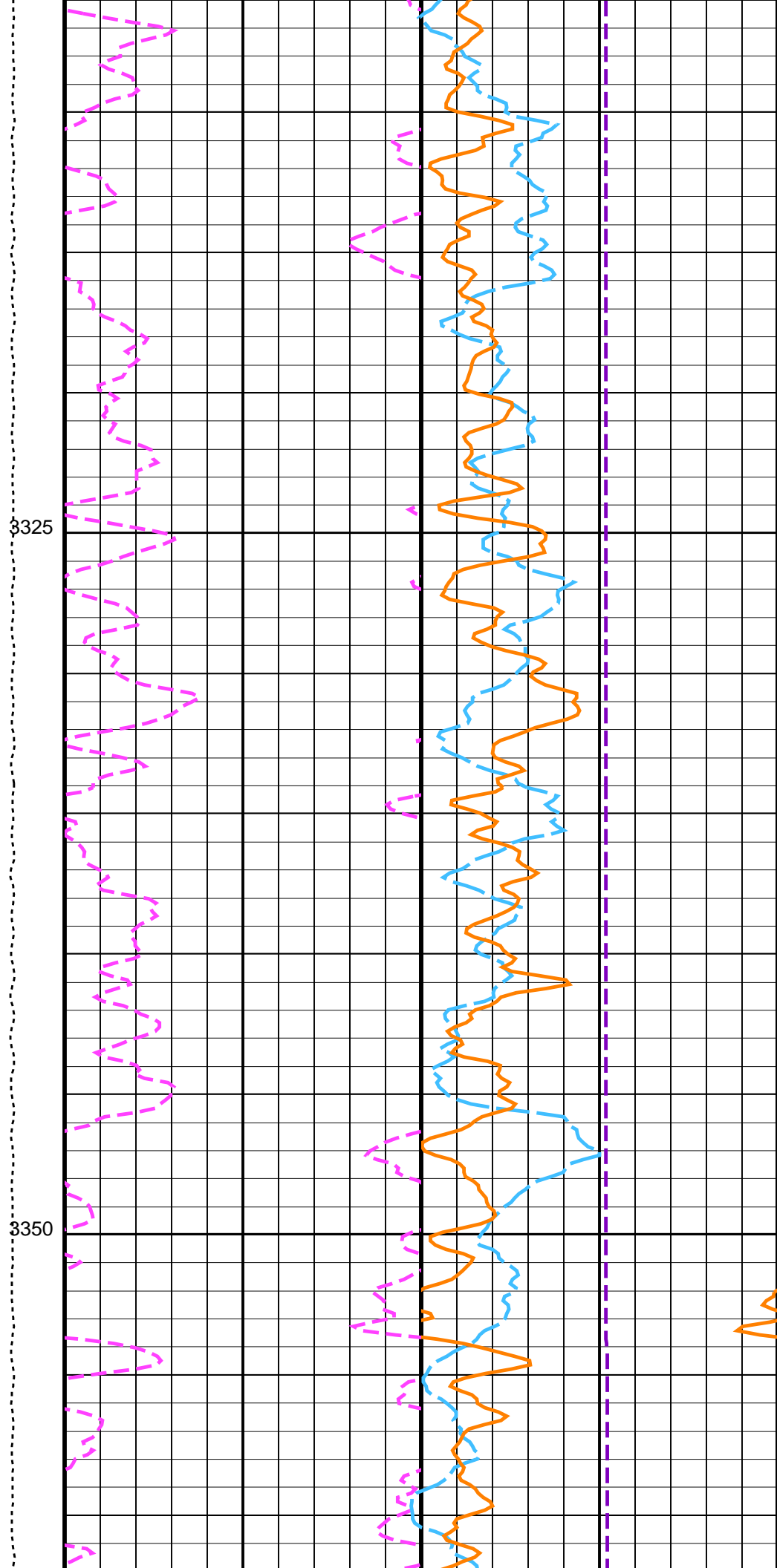
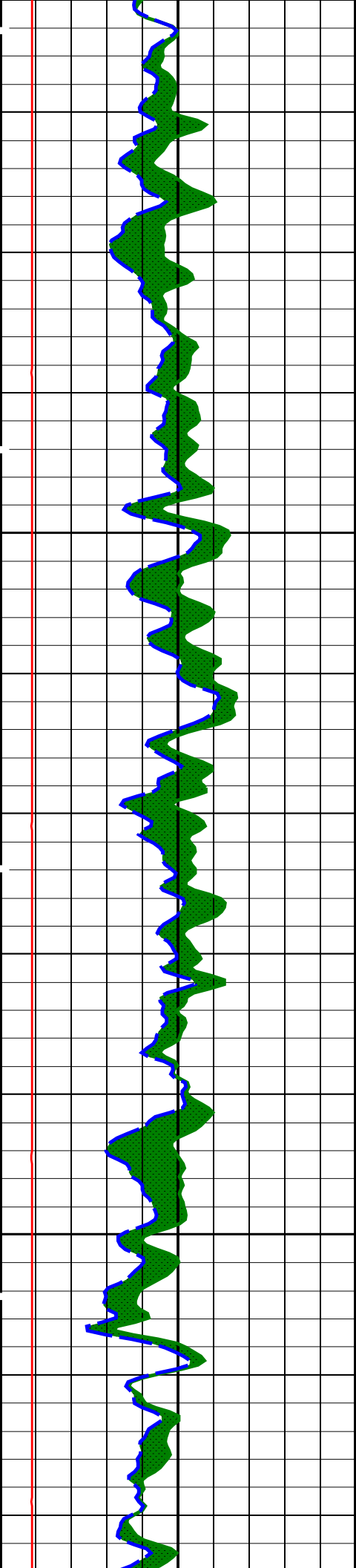


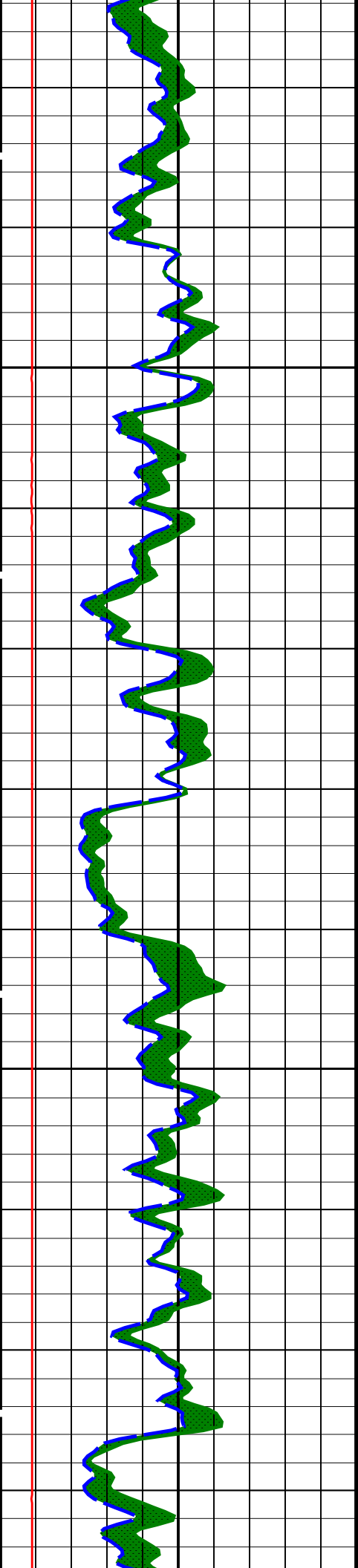






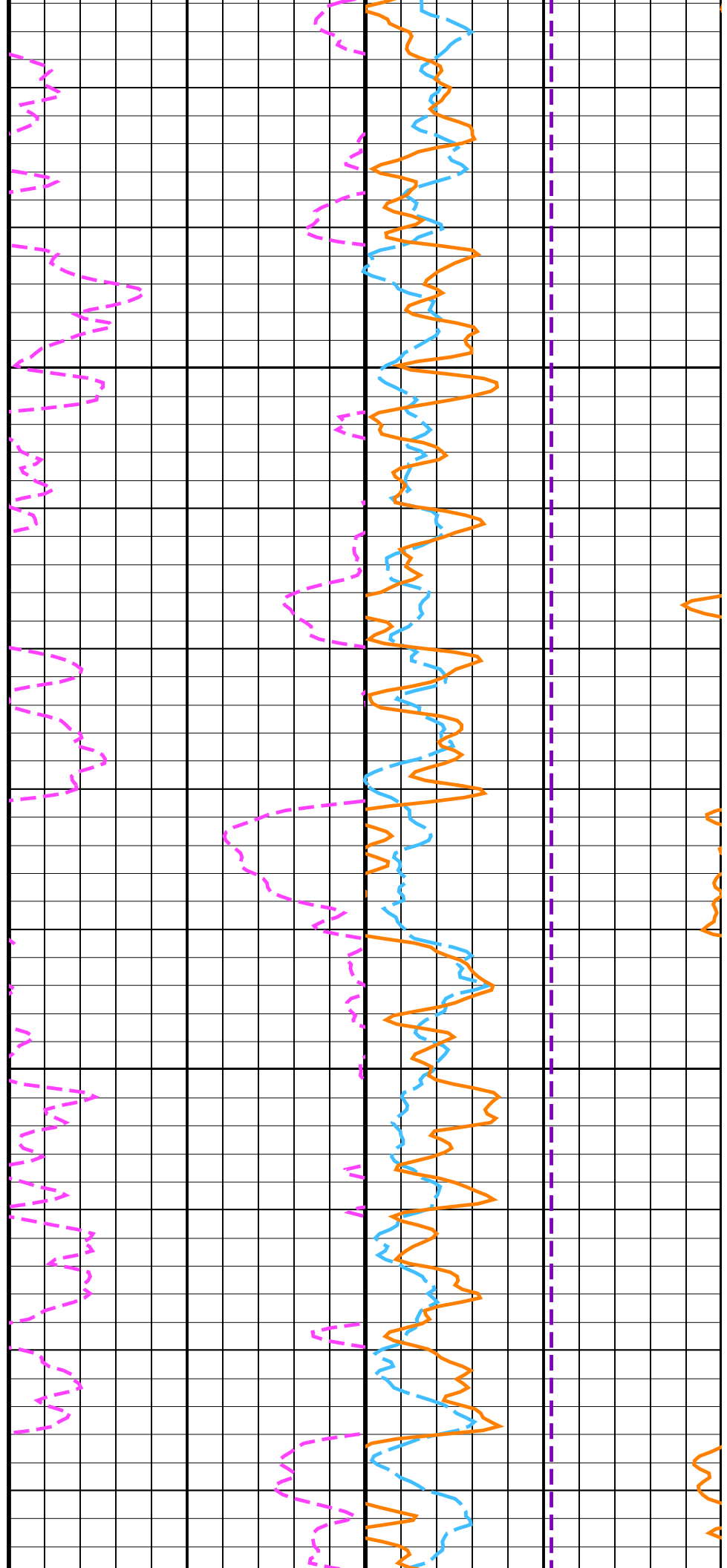


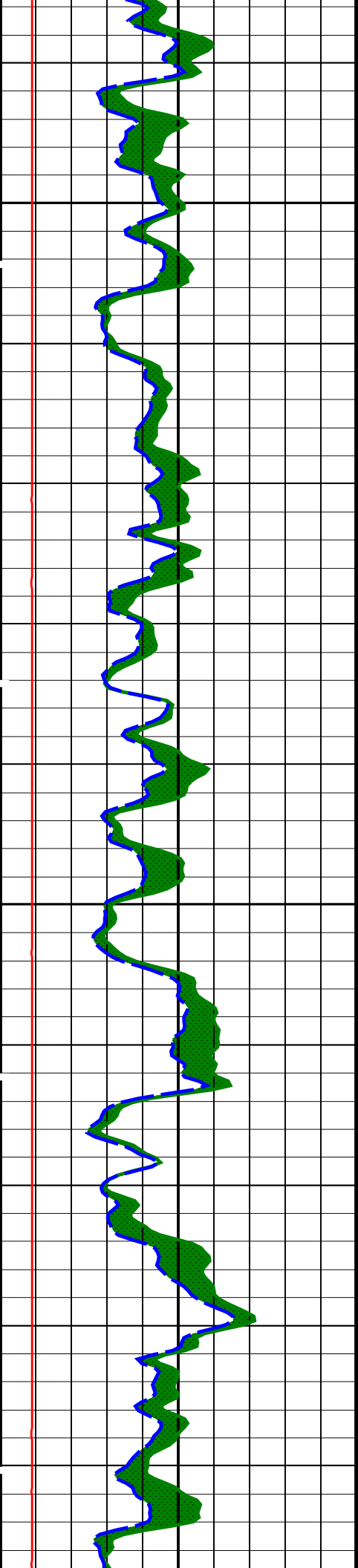




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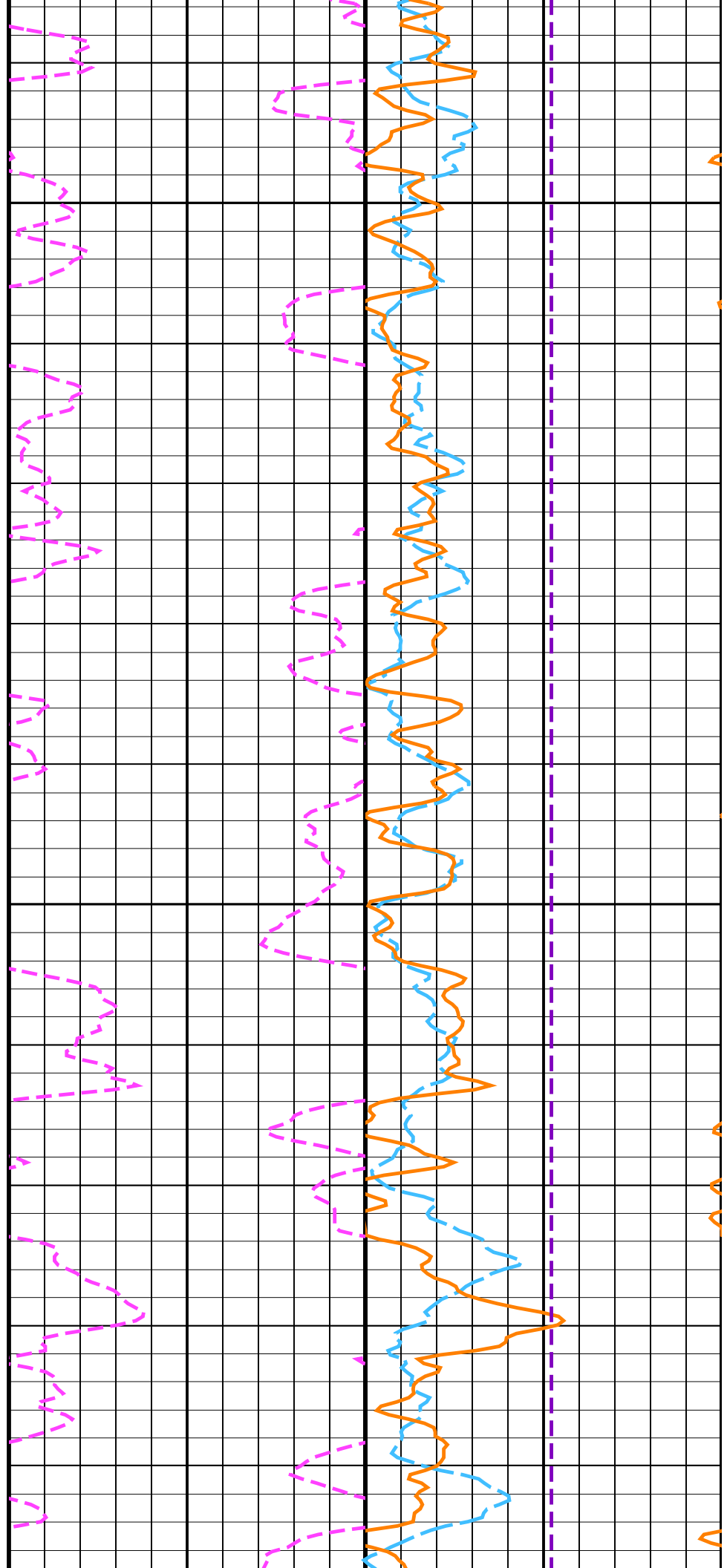
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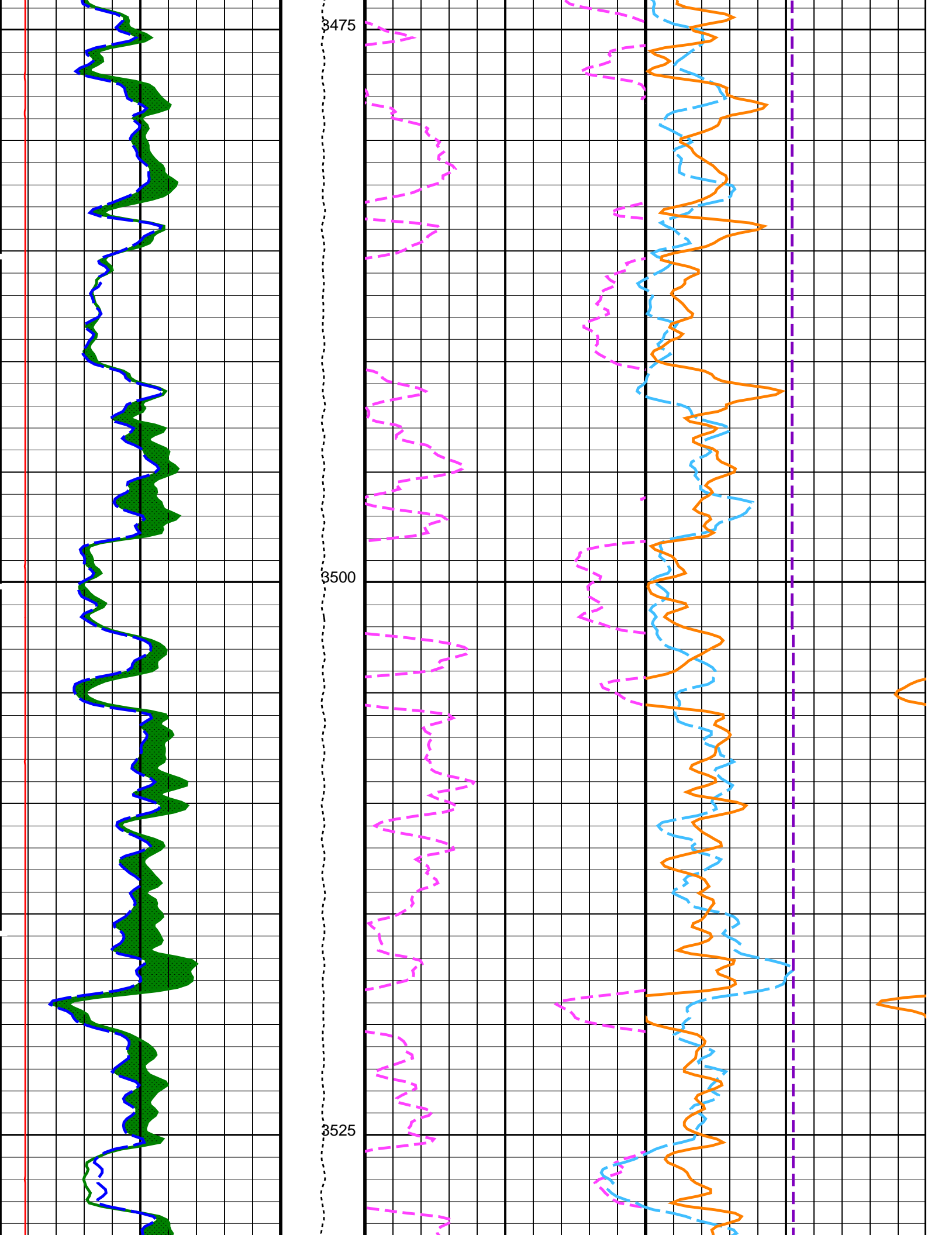


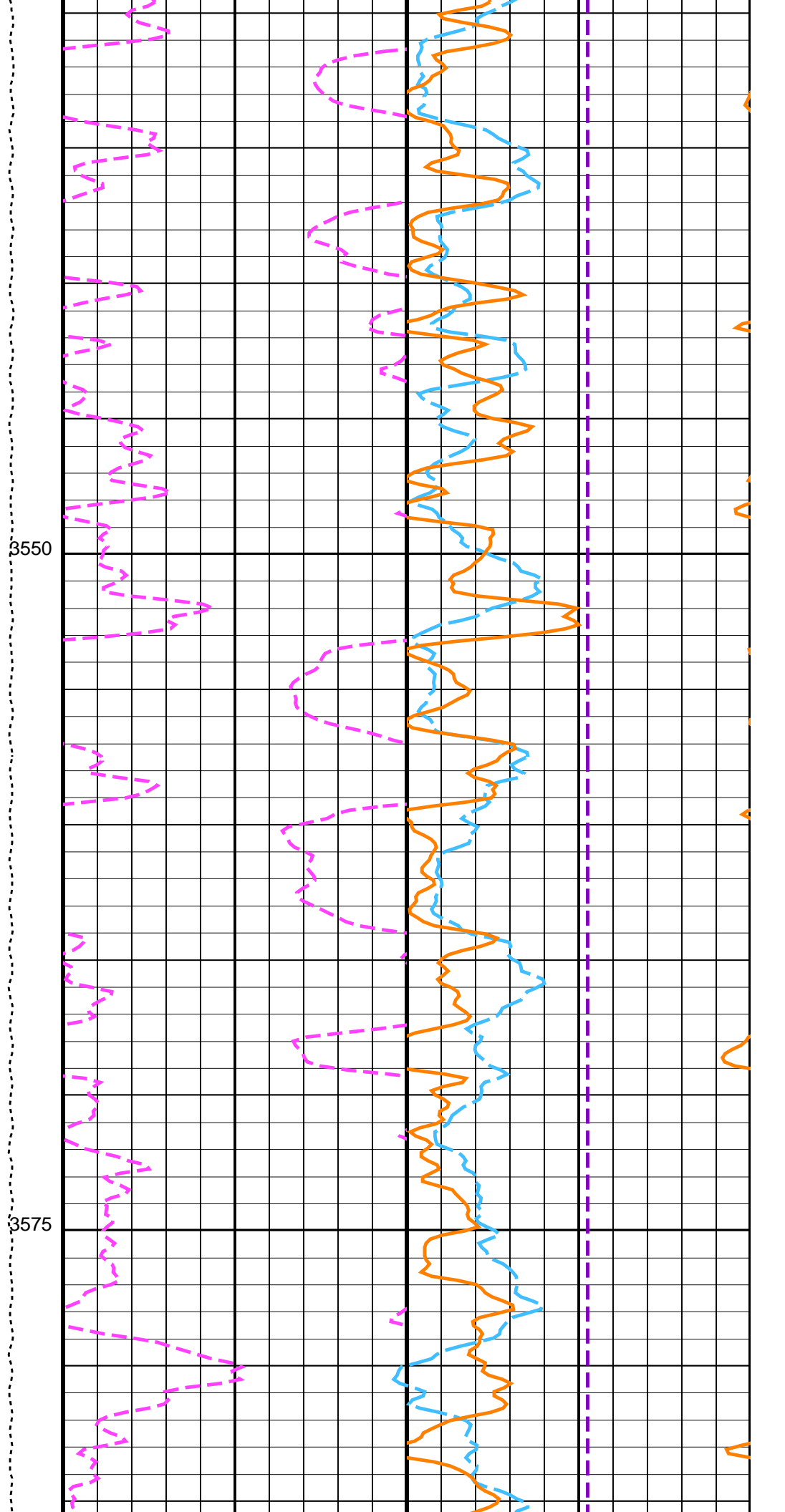
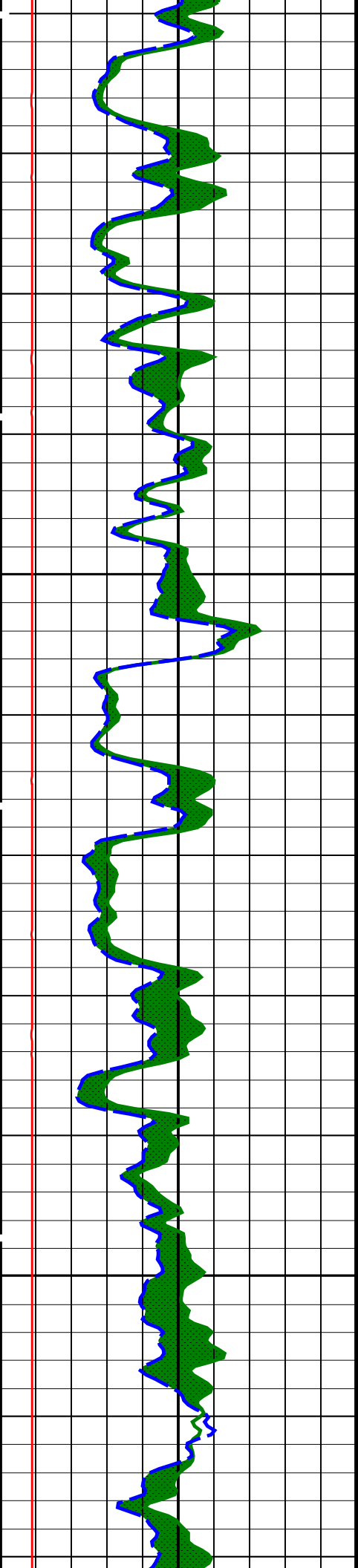


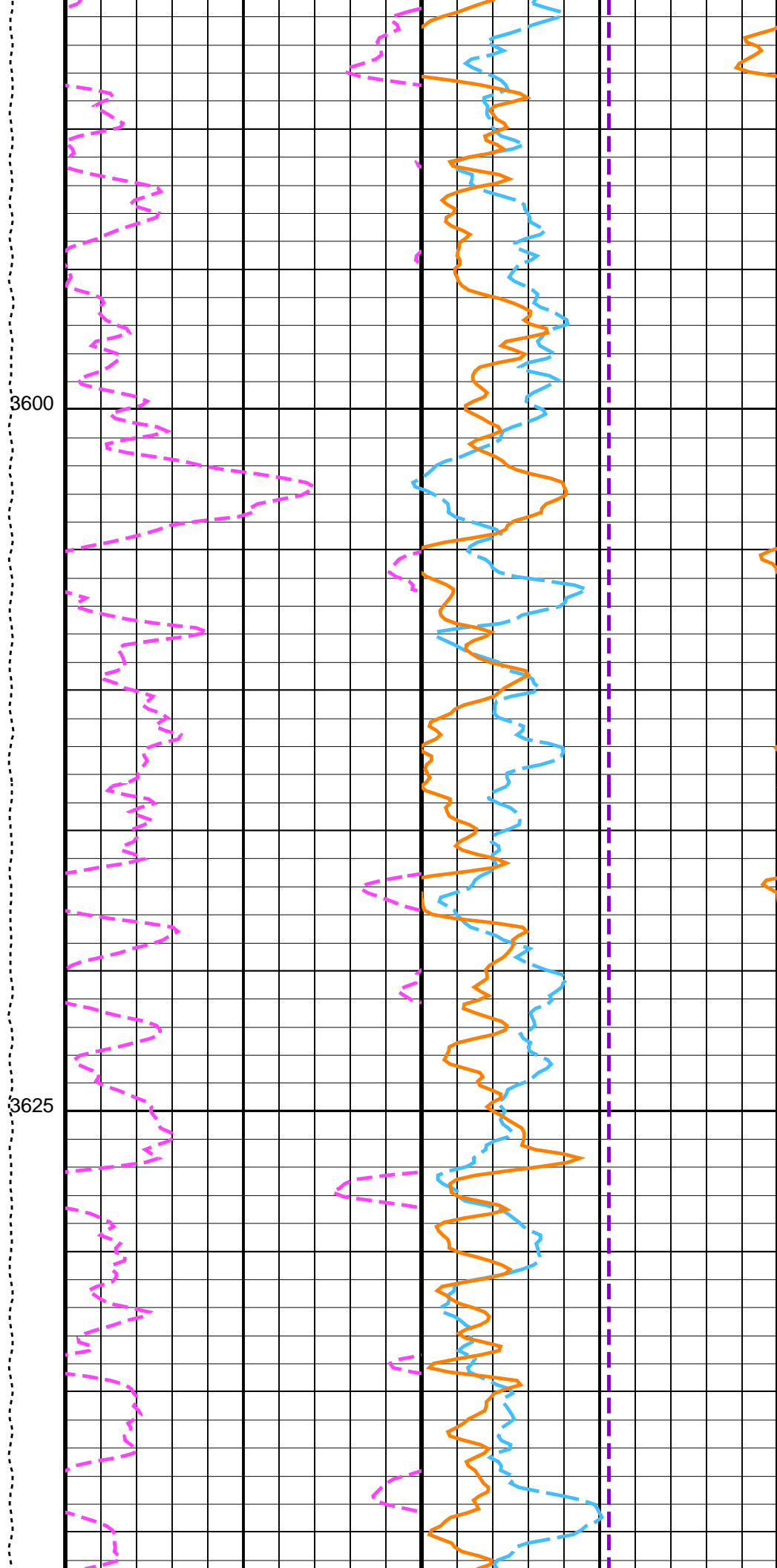
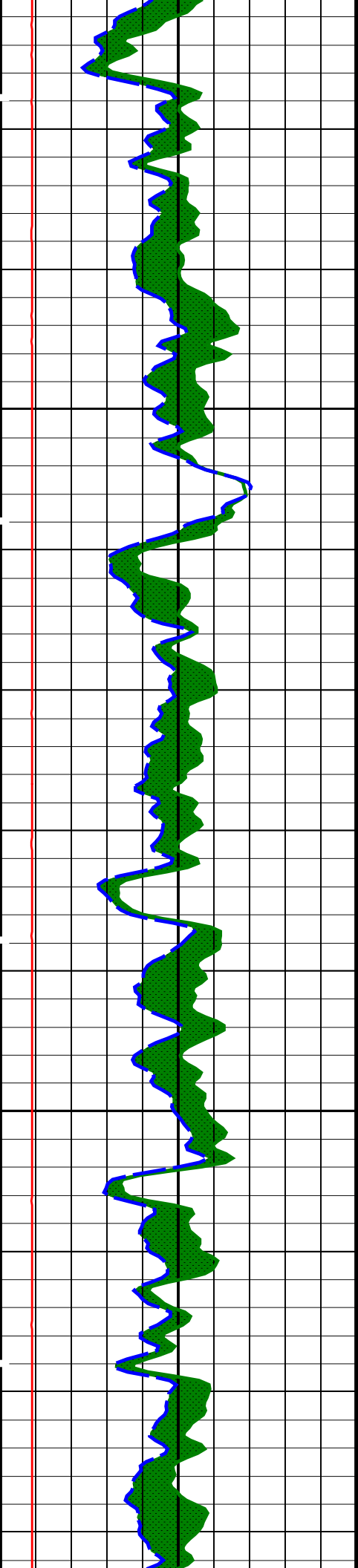
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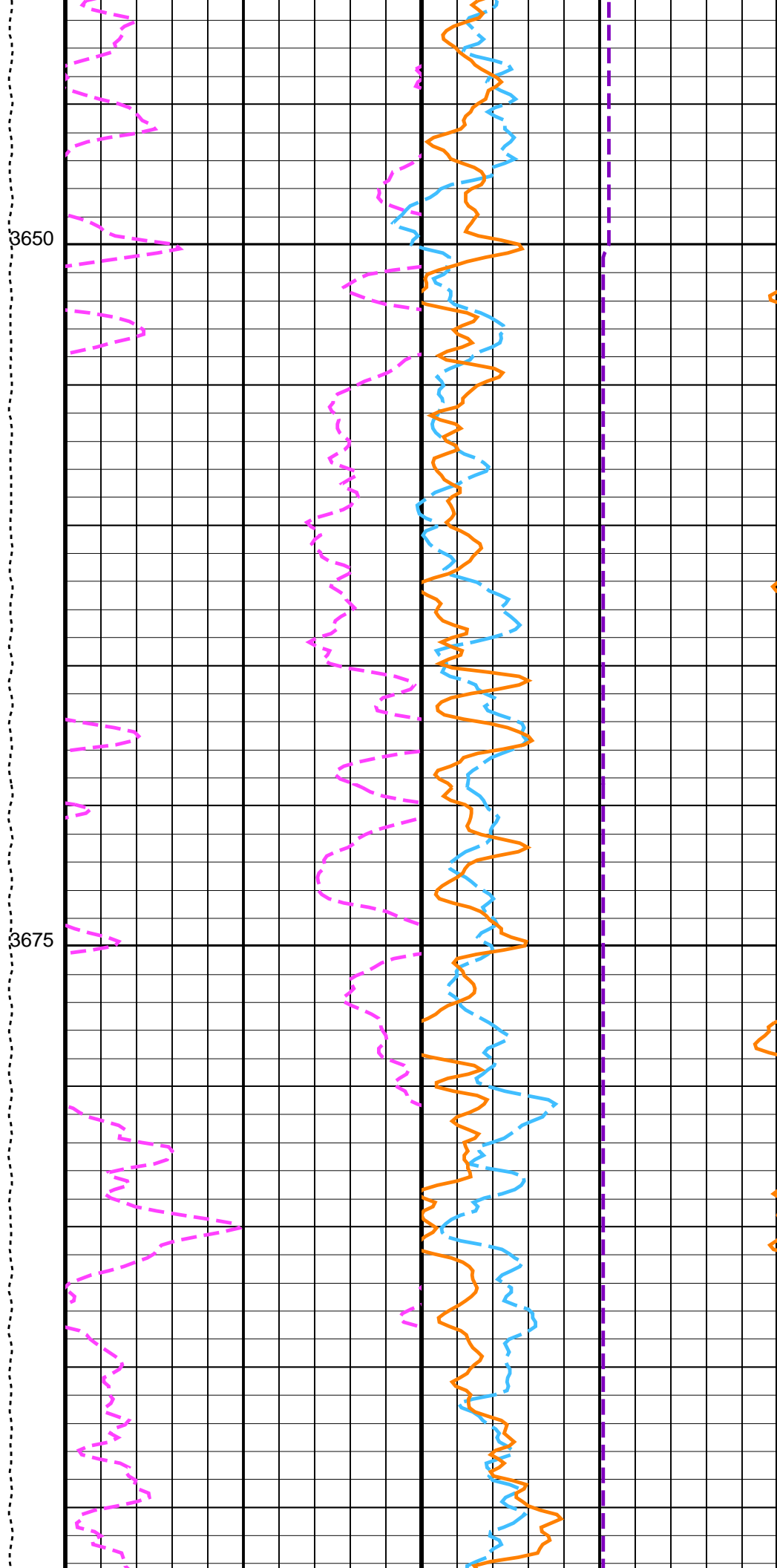
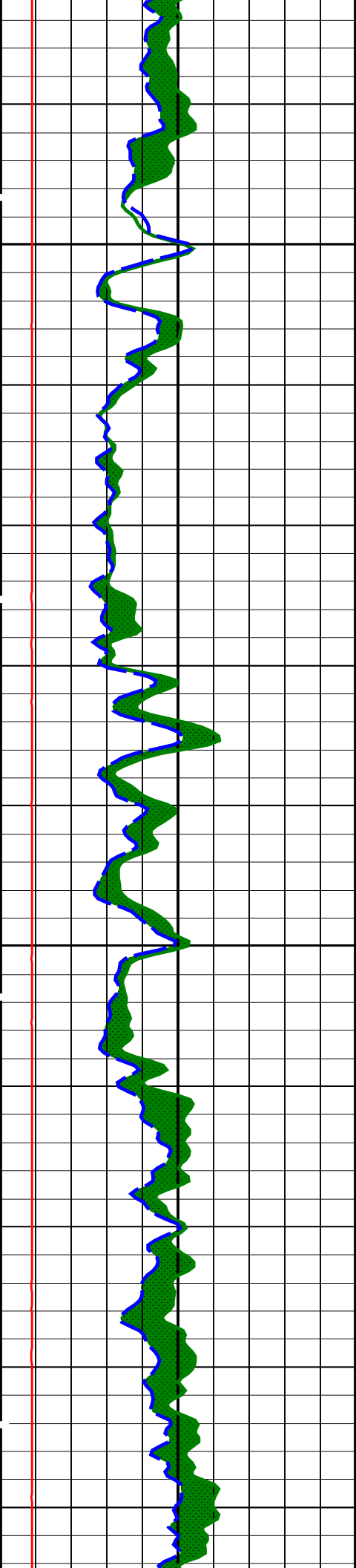
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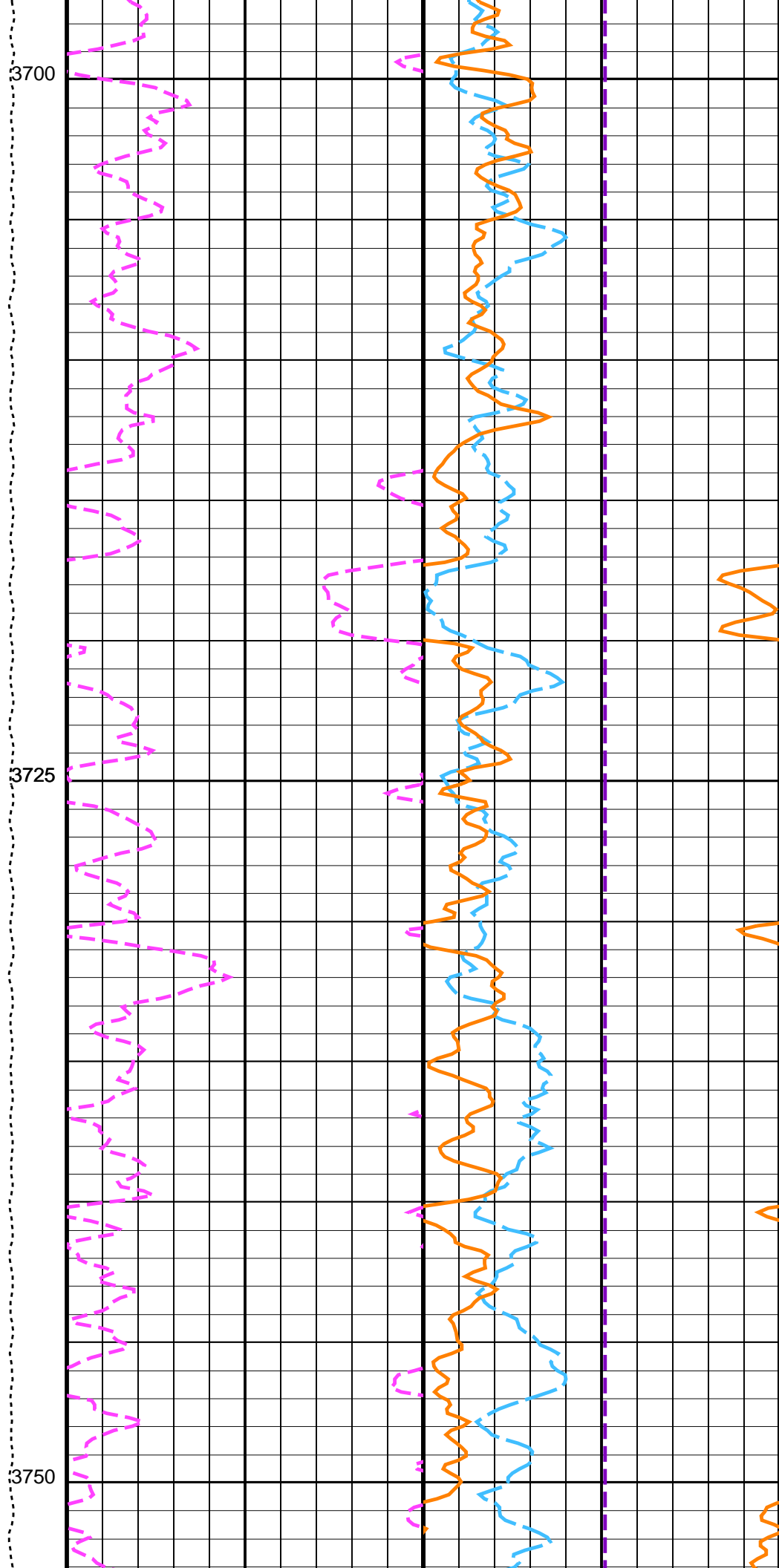
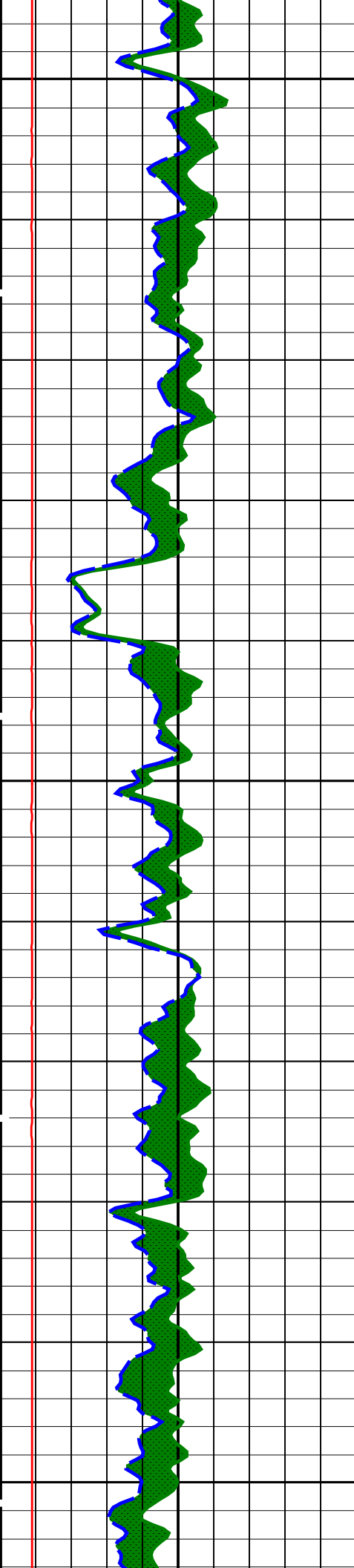


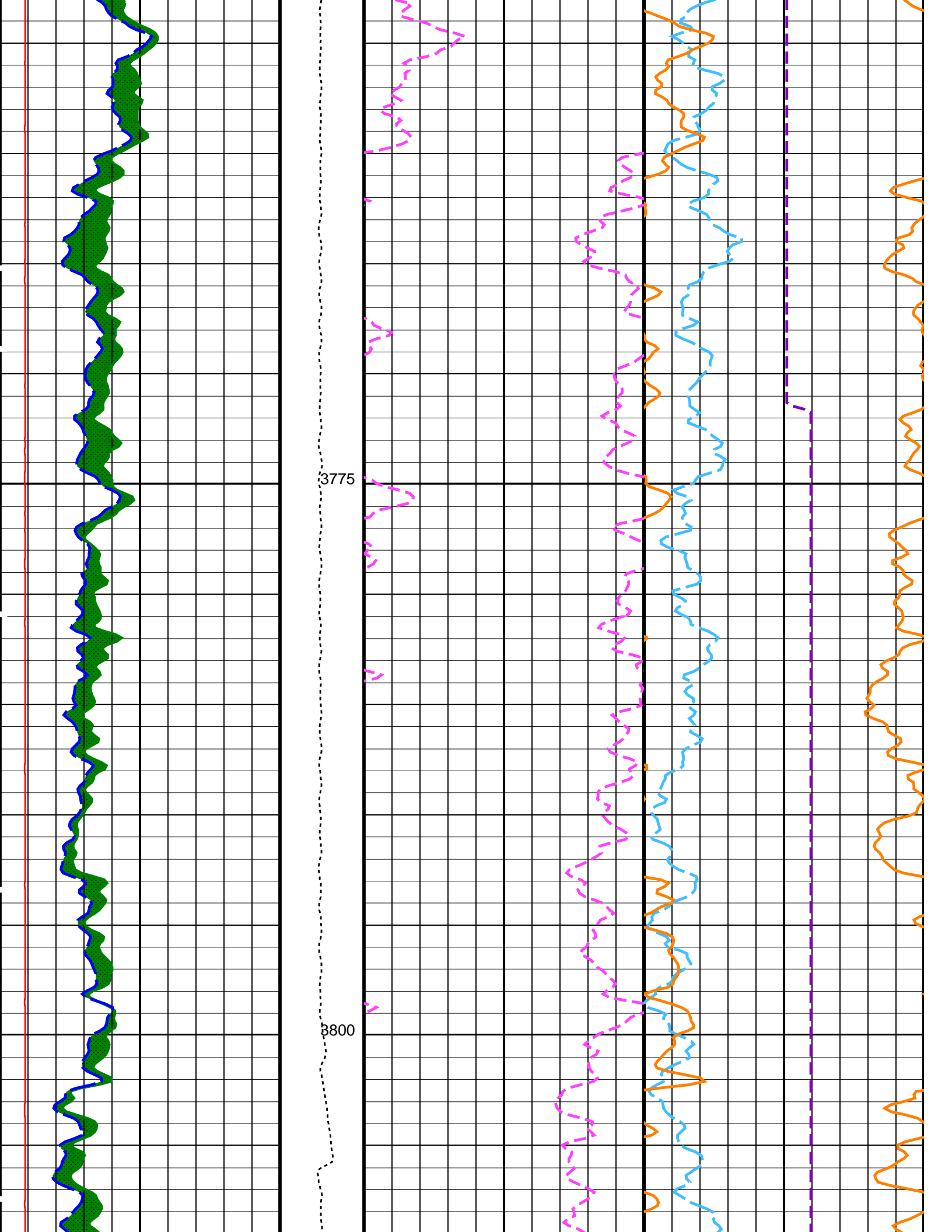


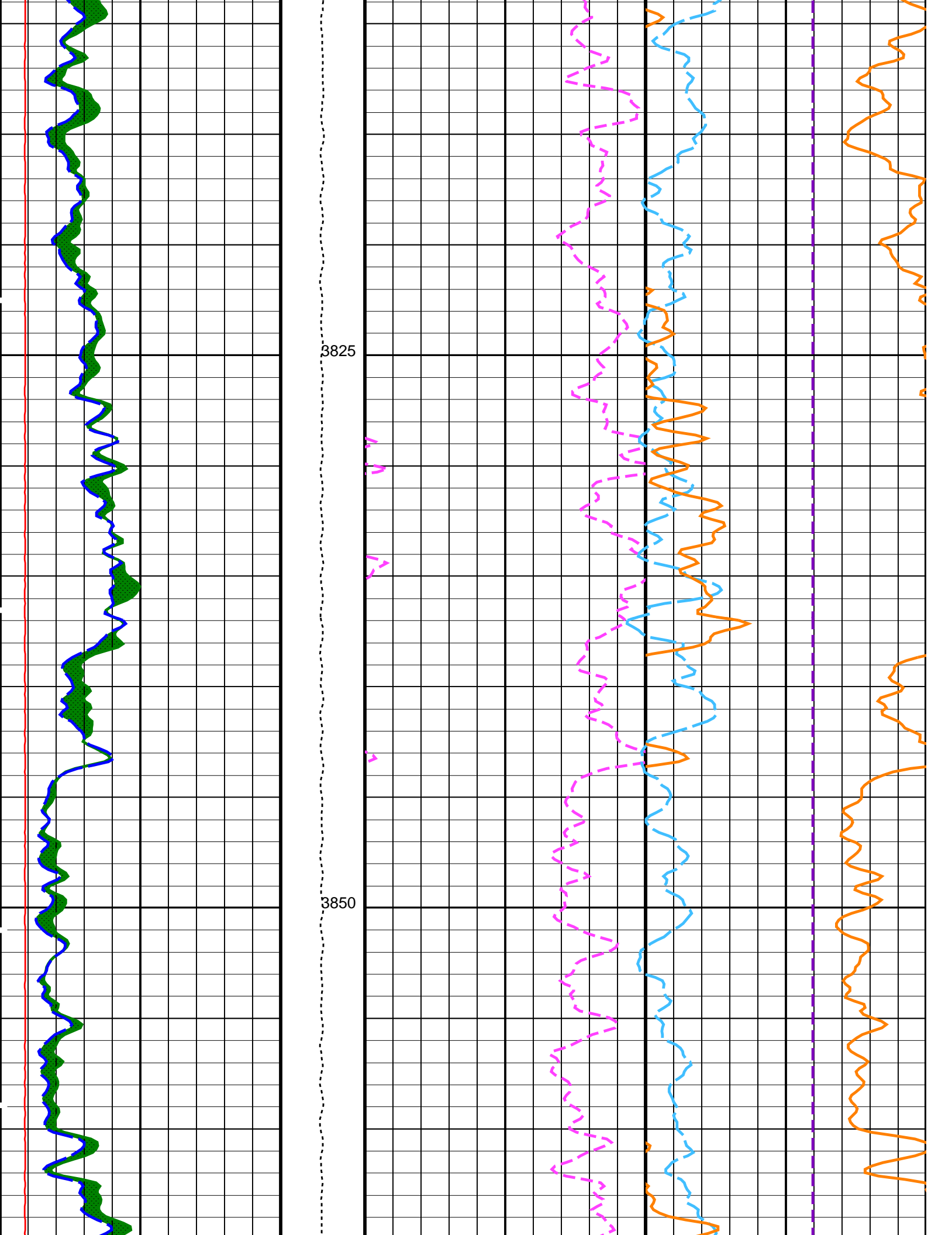


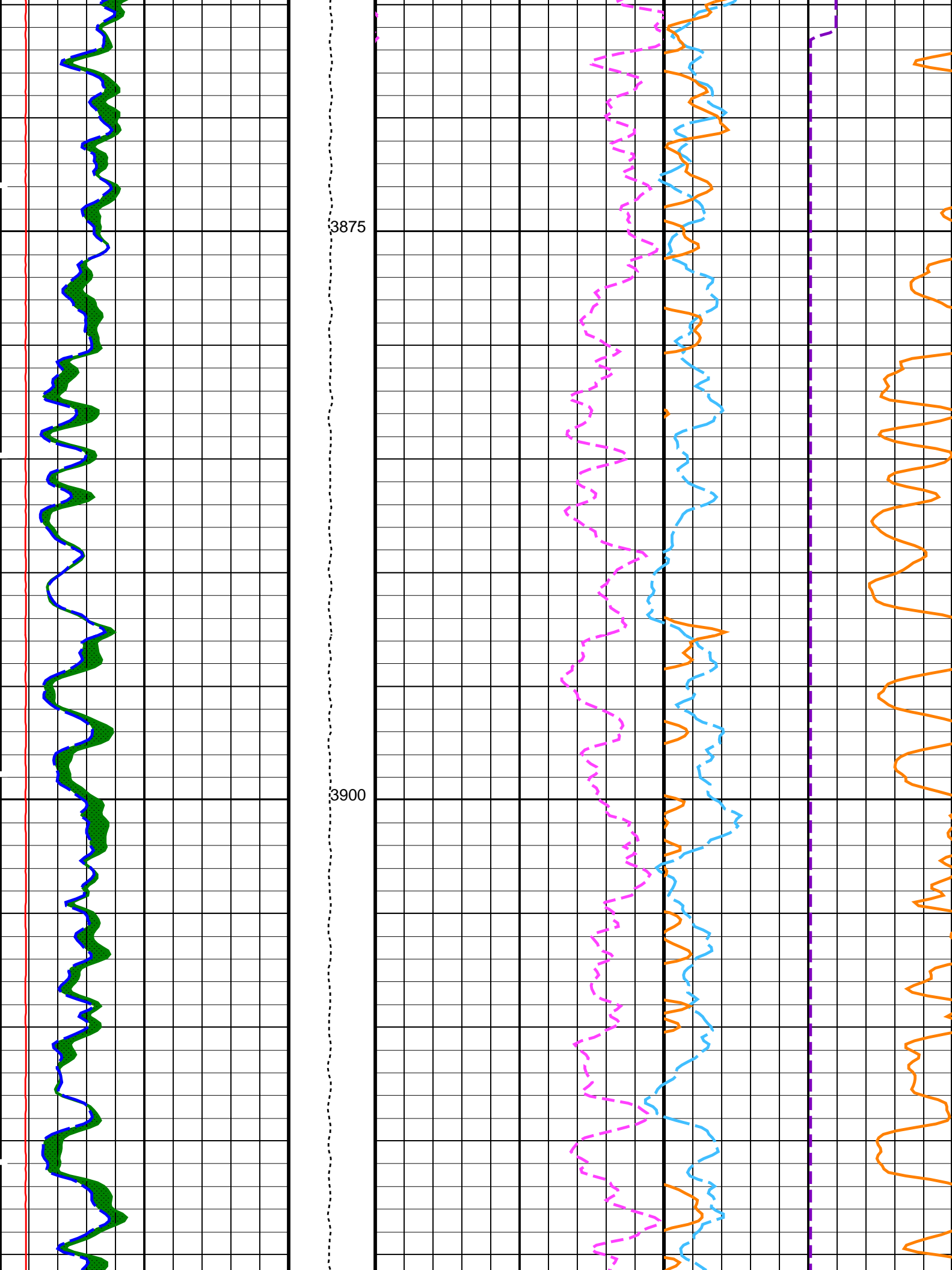


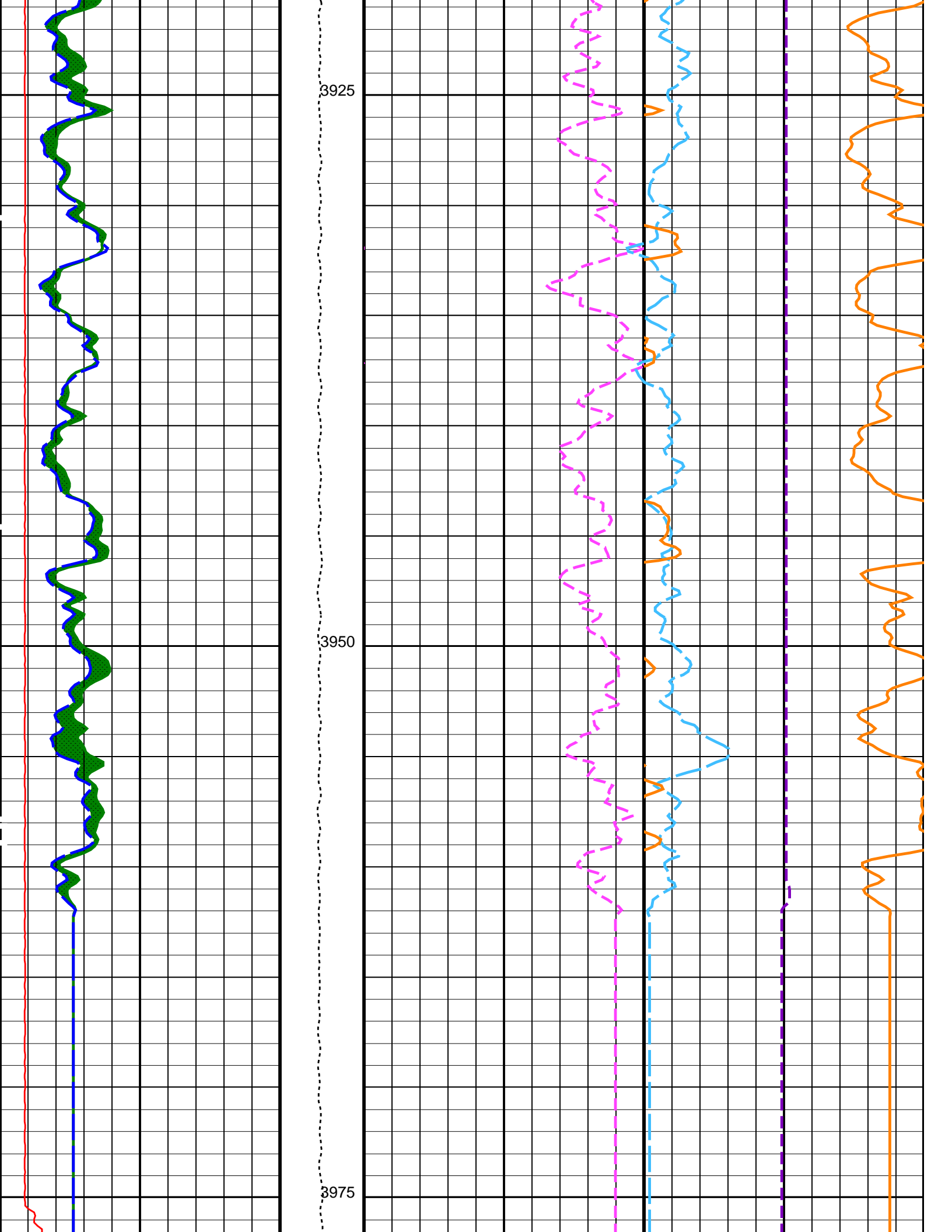


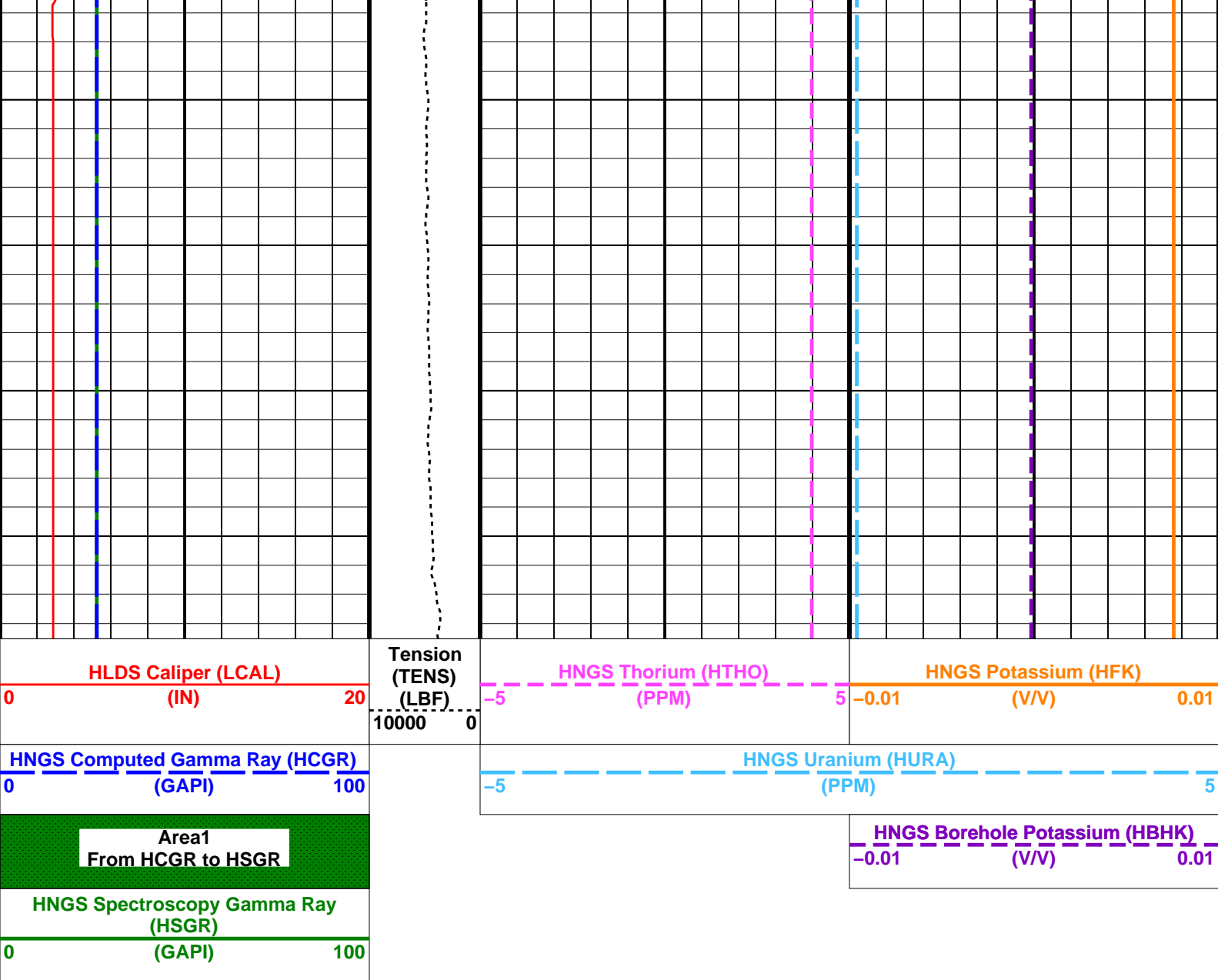












PIP SUMMARY

Time Mark Every 60 S

Parameters

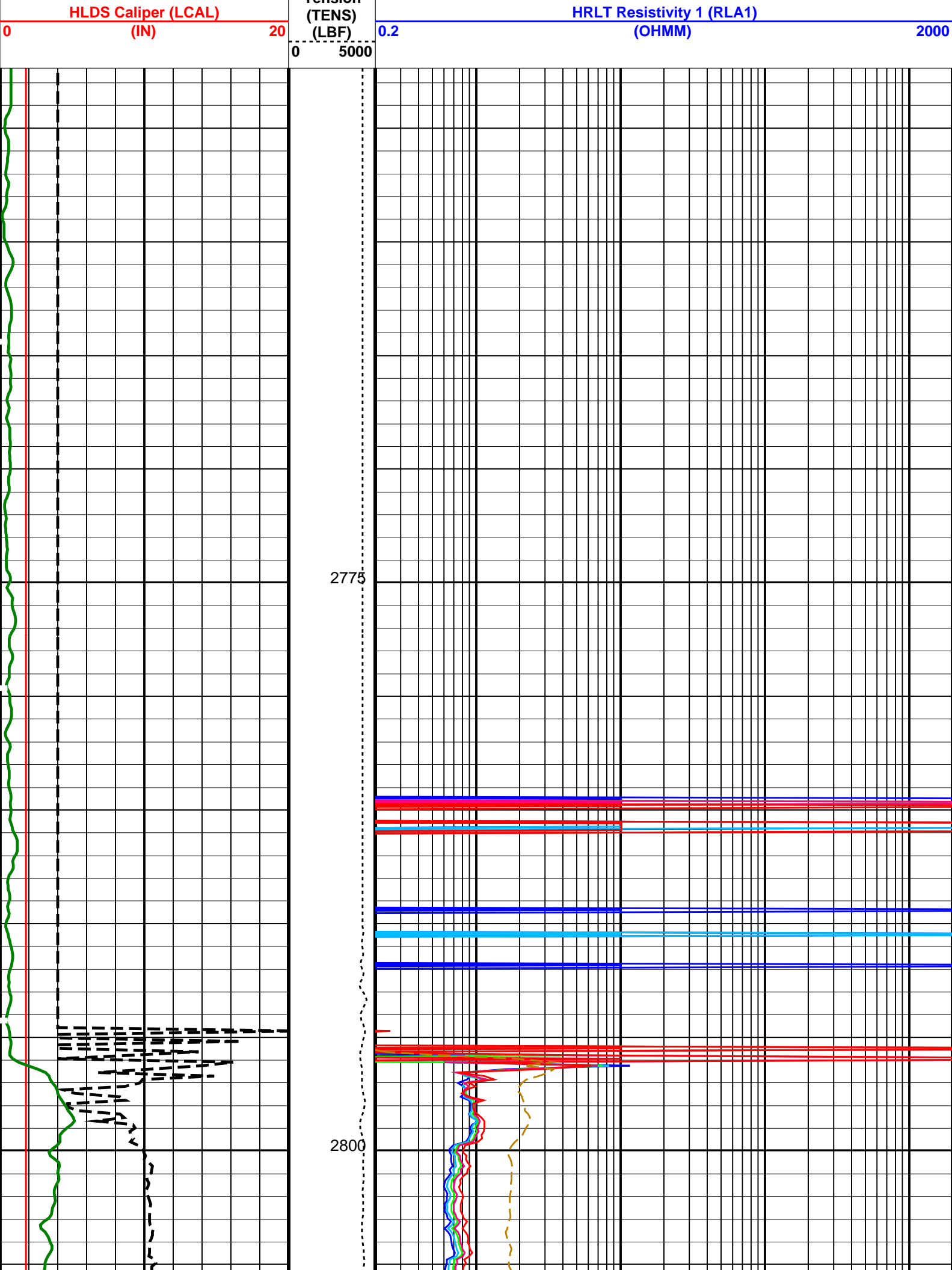
DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
APS-C: Accelerator-Porosity Tool			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	BS	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 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	0.00026747	
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

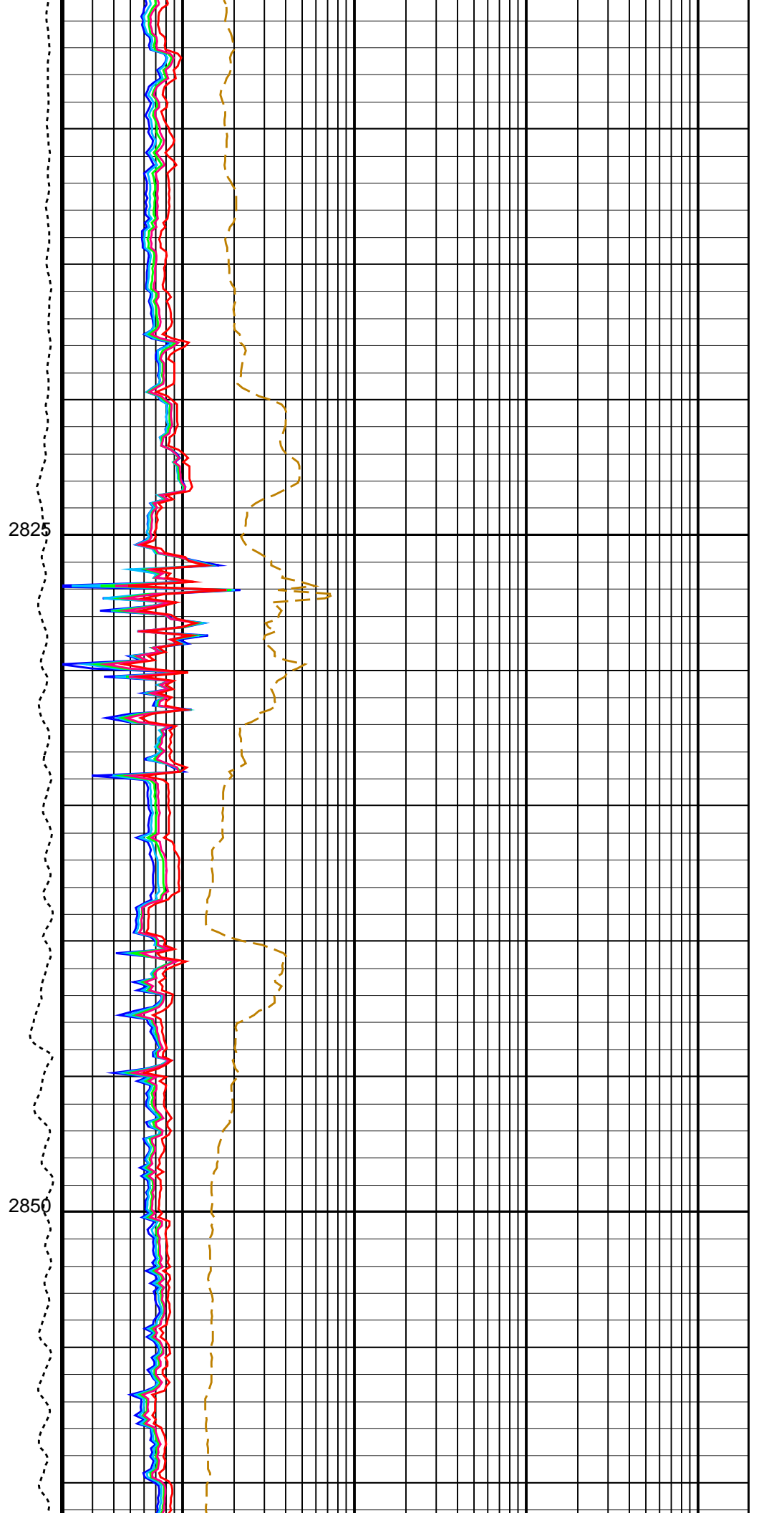
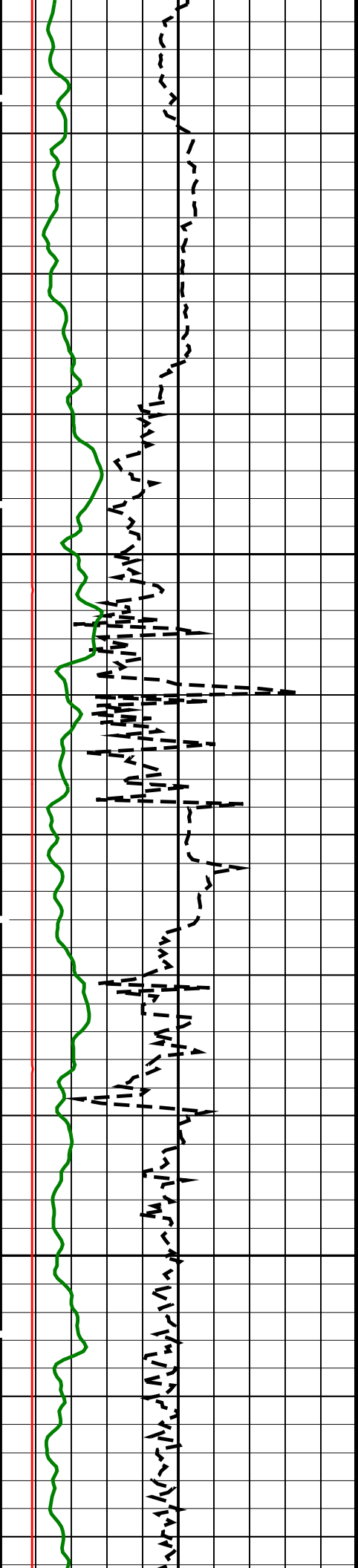
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01616	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998343	
EDTC-B: Enhanced DTS Cartridge			
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	

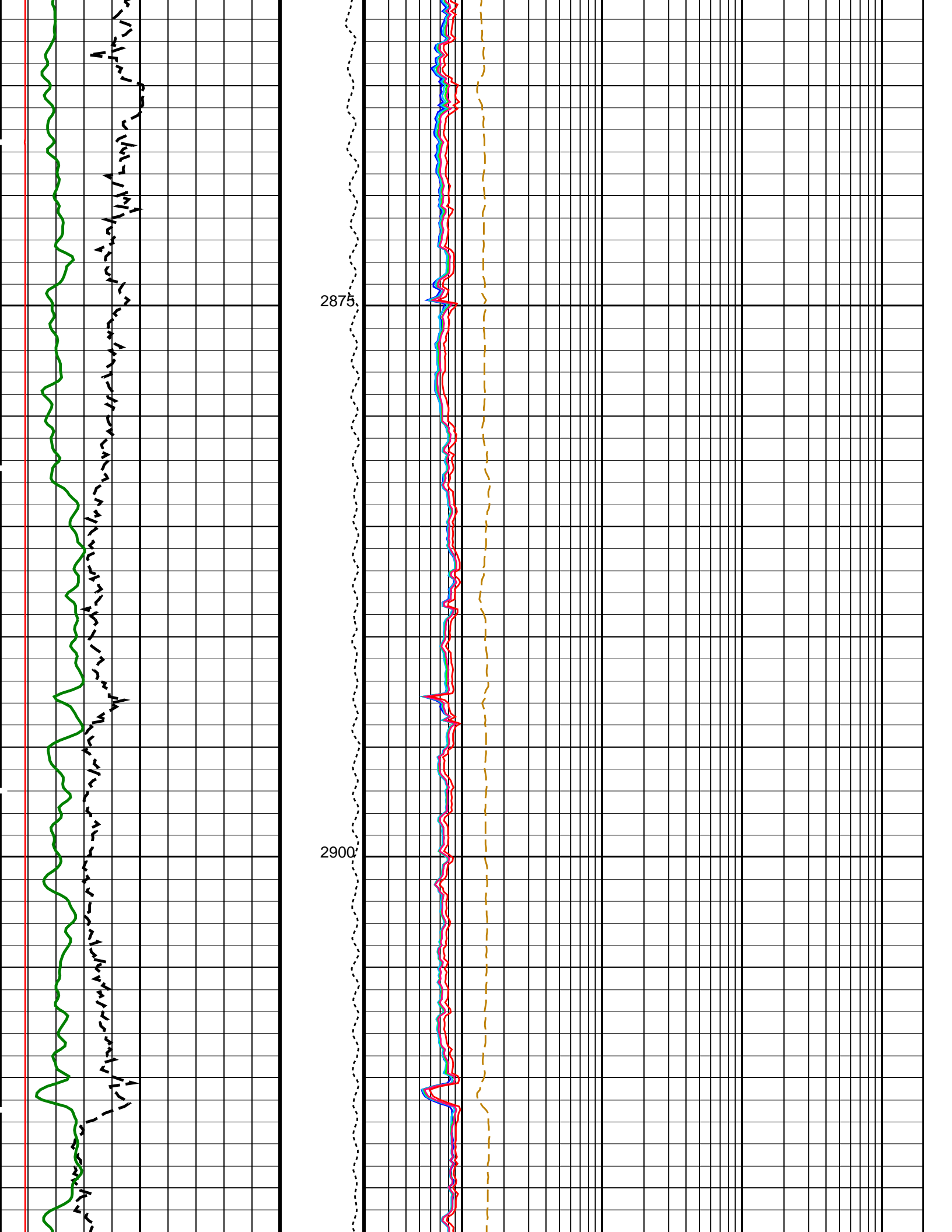
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OP System Version: 19C0-187					
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187		
HLDS	19C0-187	LDSC-B	19C0-187		
APS-C	19C0-187	HNGC-B	19C0-187		
HNGS-BA	19C0-187	EDTC-B	19C0-187		
Input DLIS Files					
DEFAULT	Flip_MSS_LDEO_HRLA_016LUP	PRODUCER	22-Jul-2023 15:55	3998.5 M	2752.3 M
Output DLIS Files					
DEFAULT	MSS_LDEO_HRLA_LDL_017PUP	FN:17	PRODUCER	22-Jul-2023 15:56	
RTB	MSS_LDEO_HRLA_LDL_017PUP	FN:18	PRODUCER	22-Jul-2023 15:56	

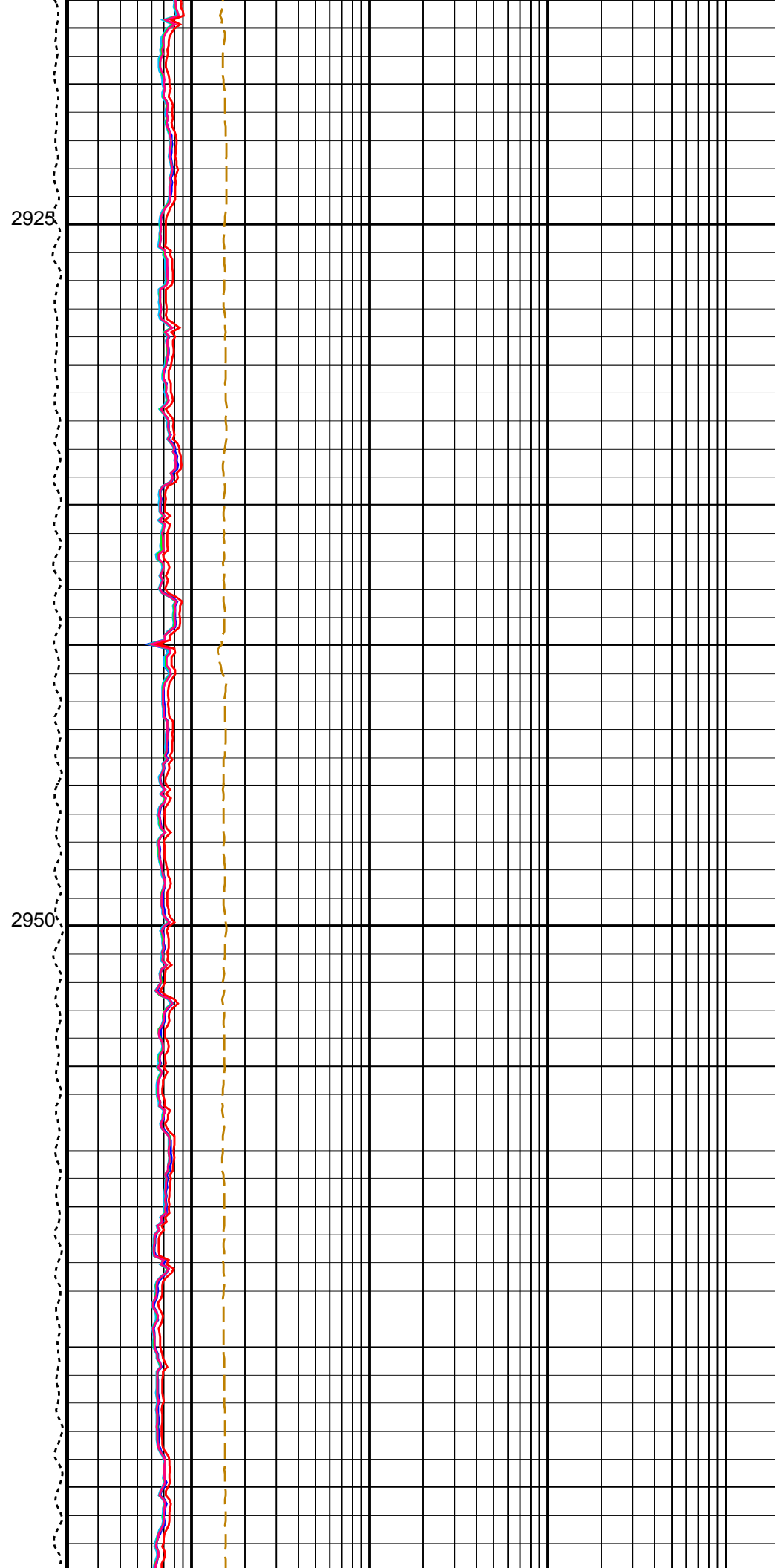
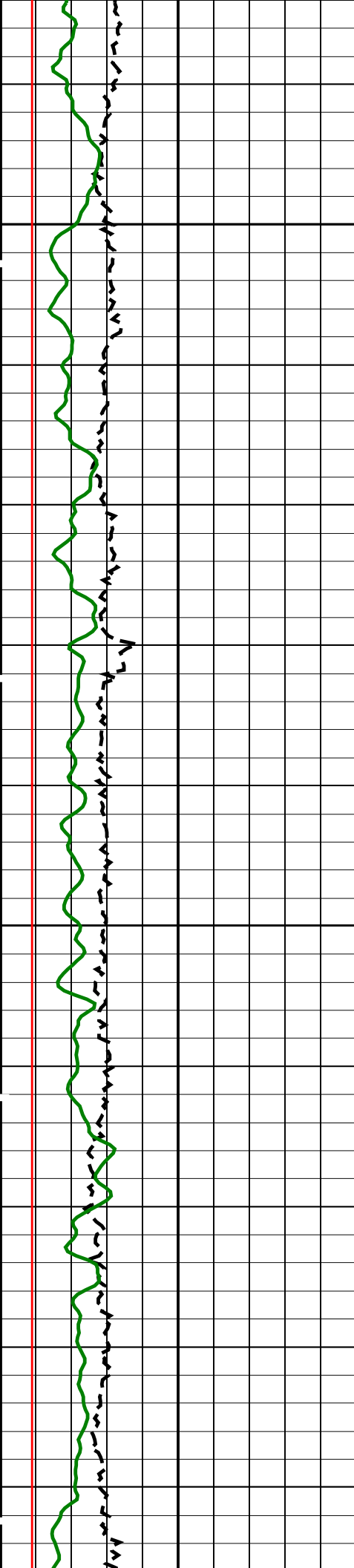
Company: International Ocean Discovery Program				Well: Expedition 395, Site U1602E	
Input DLIS Files					
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Output DLIS Files					
DEFAULT	MSS_LDEO_HRLA_LDL_017PUP	FN:17	PRODUCER	22-Jul-2023 15:56	3998.5 M 2752.3 M
RTB	MSS_LDEO_HRLA_LDL_017PUP	FN:18	PRODUCER	22-Jul-2023 15:56	3998.5 M 2752.3 M
OP System Version: 19C0-187					
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187		
HLDS	19C0-187	LDSC-B	19C0-187		
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HNGS-BA	19C0-187	EDTC-B	19C0-187		

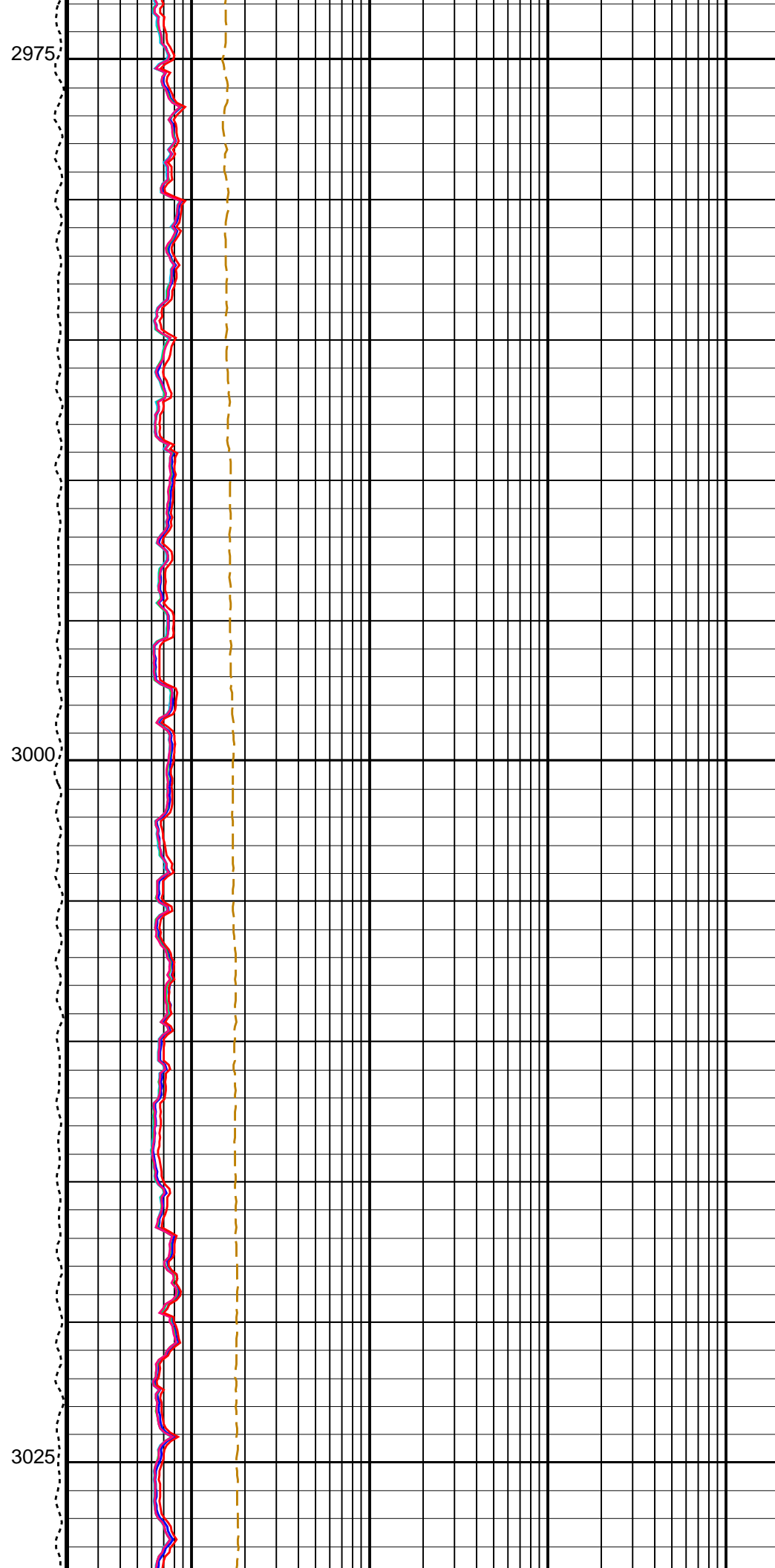
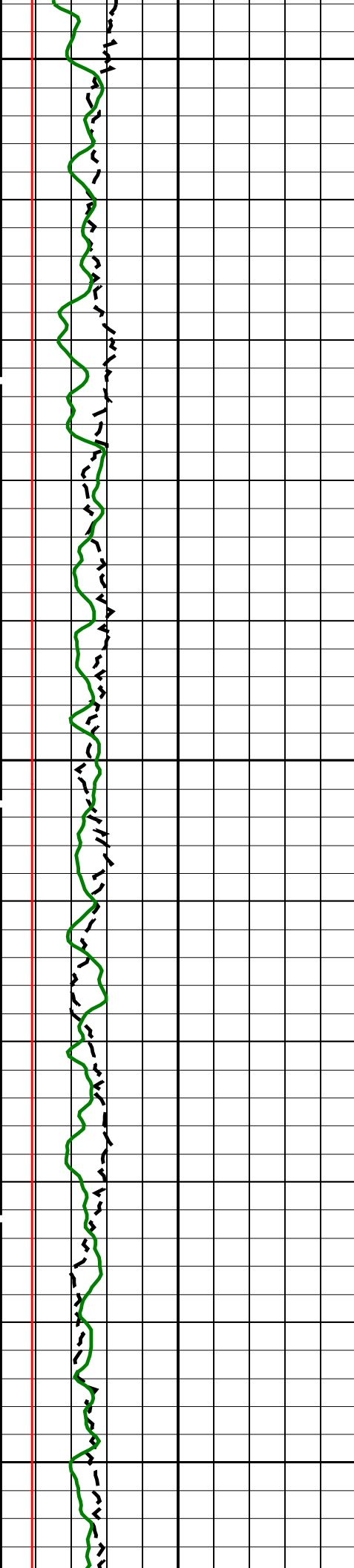
PIP SUMMARY					
Time Mark Every 60 S					
<div> <div>HNGS Spectroscopy Gamma Ray (HSGR)</div> <div>0 (GAPI) 150</div> <div>Invasion Diameter (DI_HRLT) (IN) 50</div> </div>		HRLT Mud Resistivity (RM_HRLT) (OHMM) 200			
		HRLT Resistivity 5 (RLA5) (OHMM) 2000			
		HRLT Resistivity 4 (RLA4) (OHMM) 2000			
		HRLT Resistivity 3 (RLA3) (OHMM) 2000			
		HRLT Resistivity 2 (RLA2) (OHMM) 2000			
		Tension			

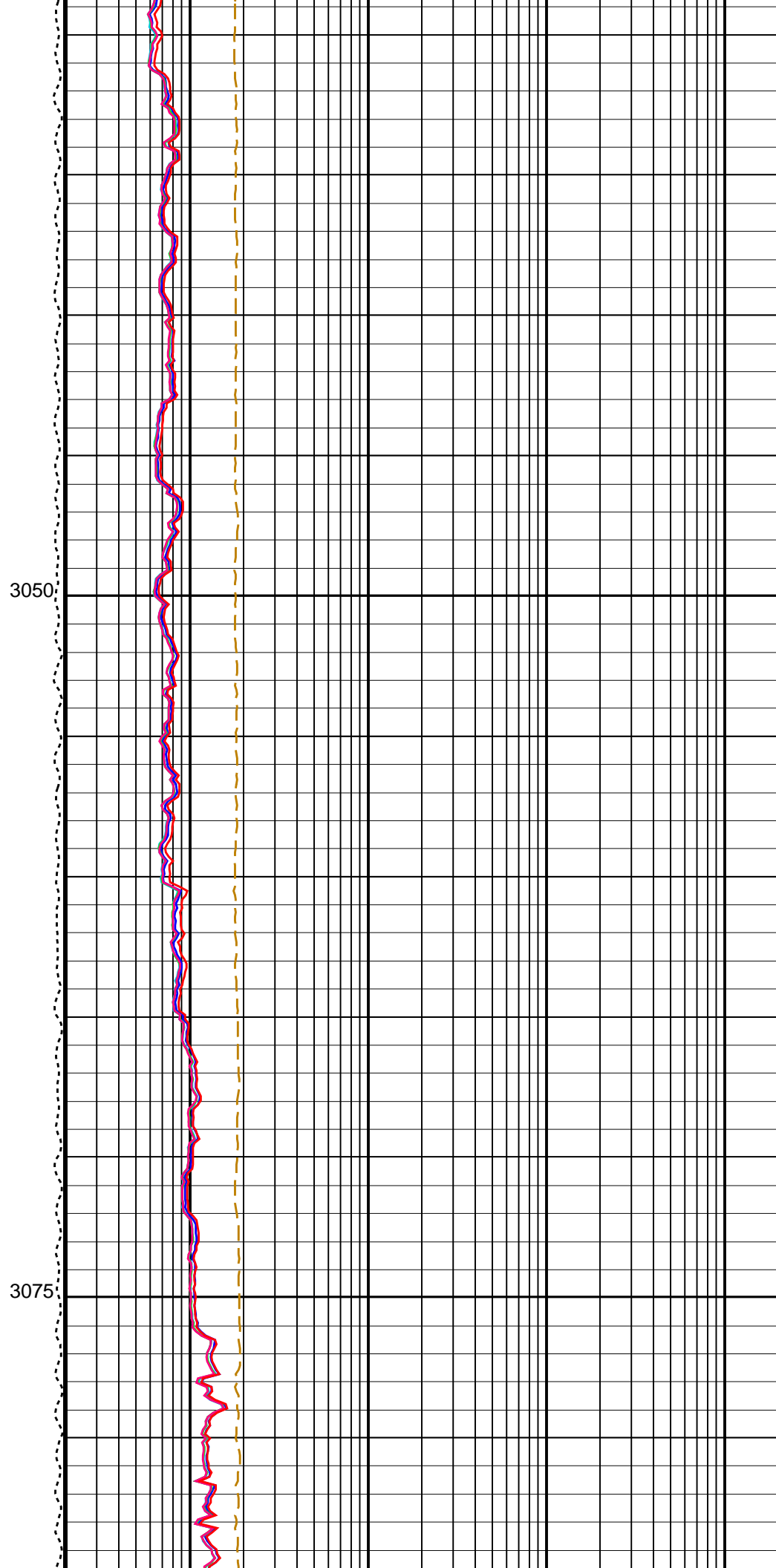
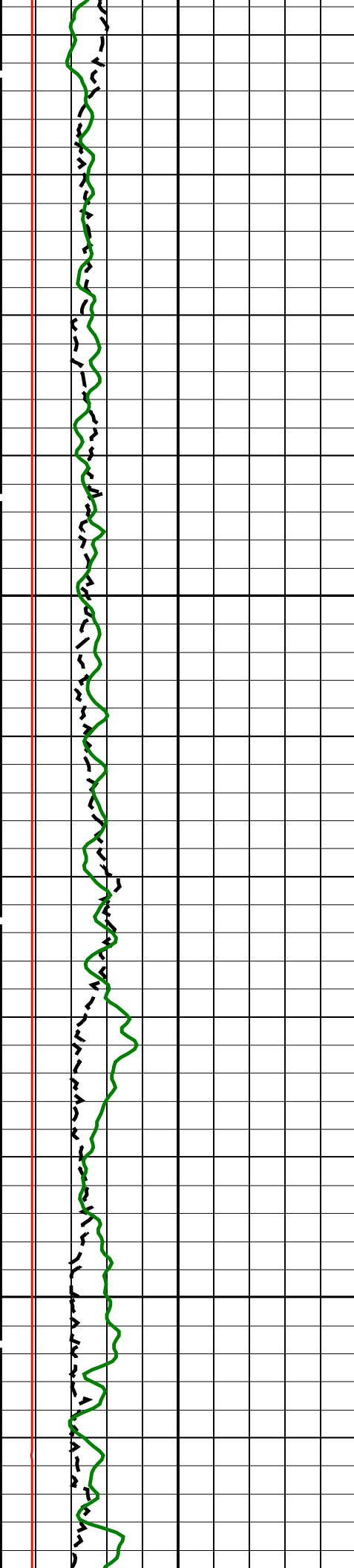


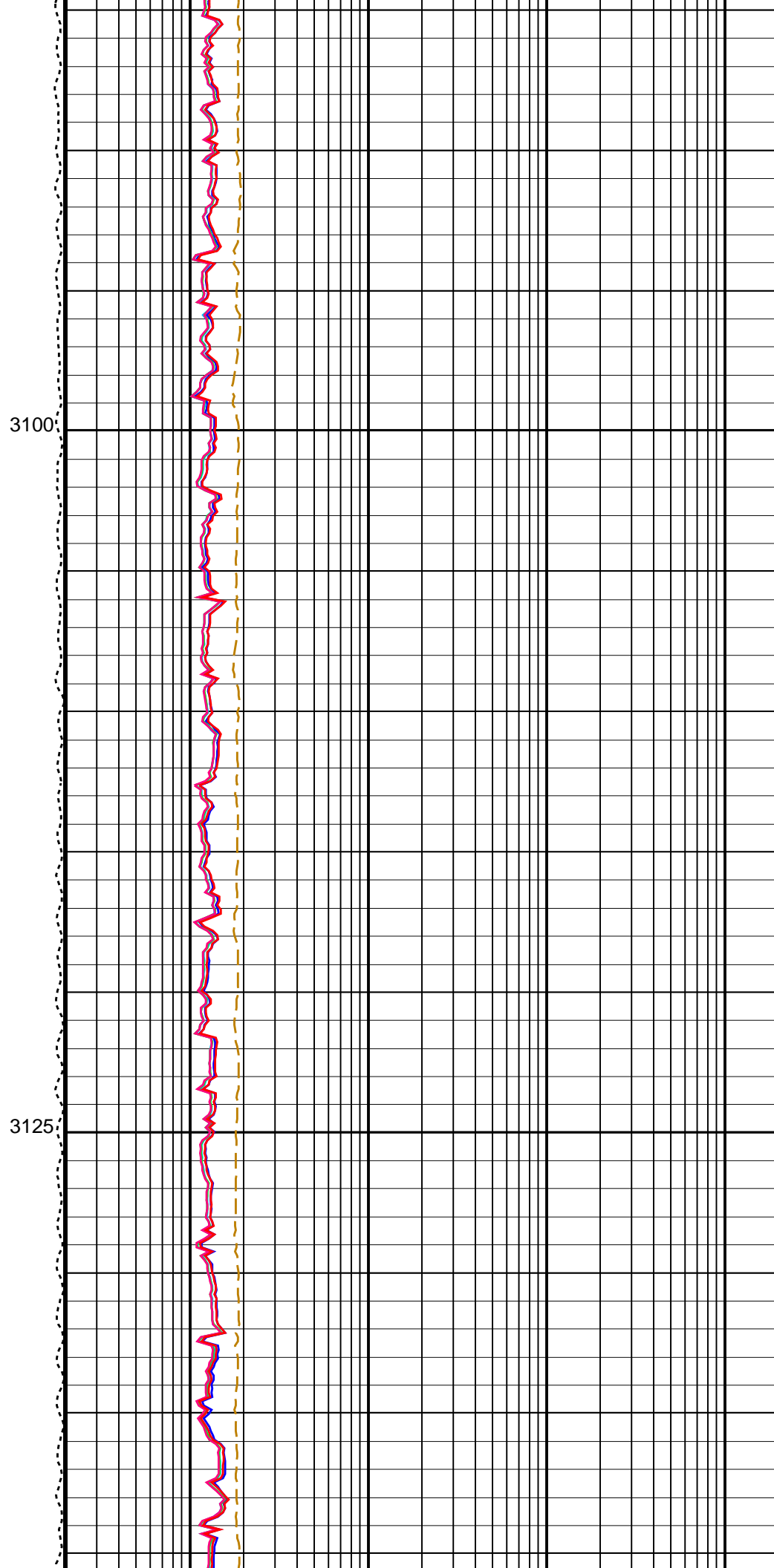
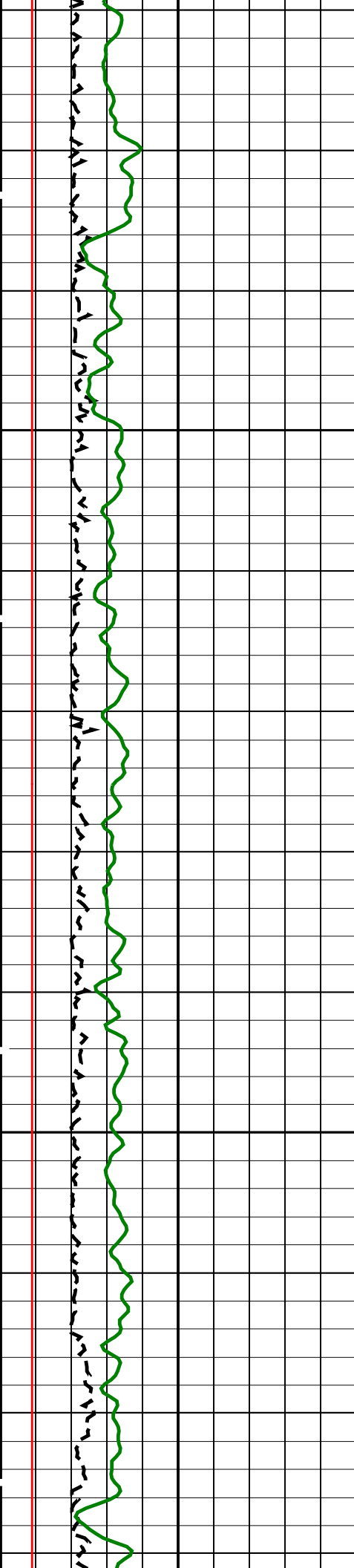


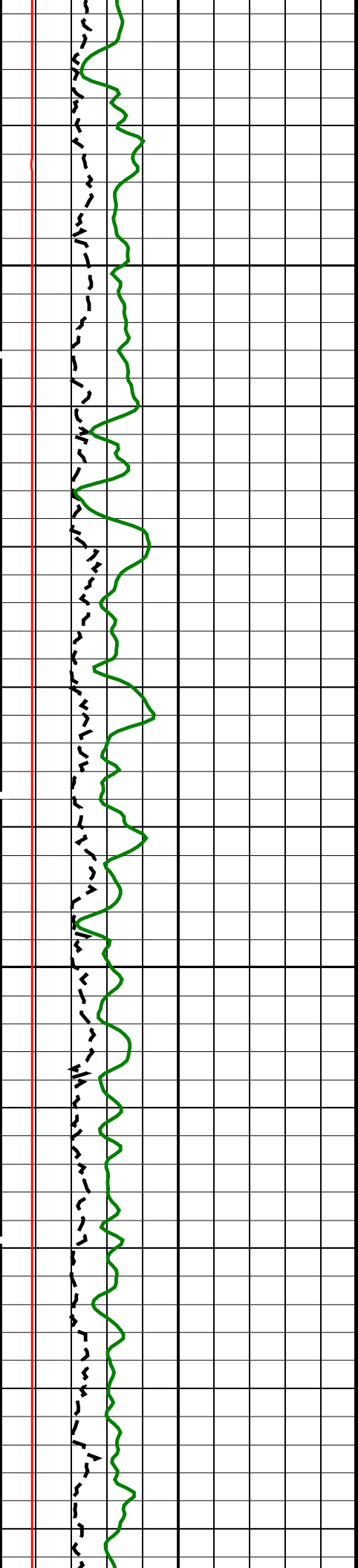






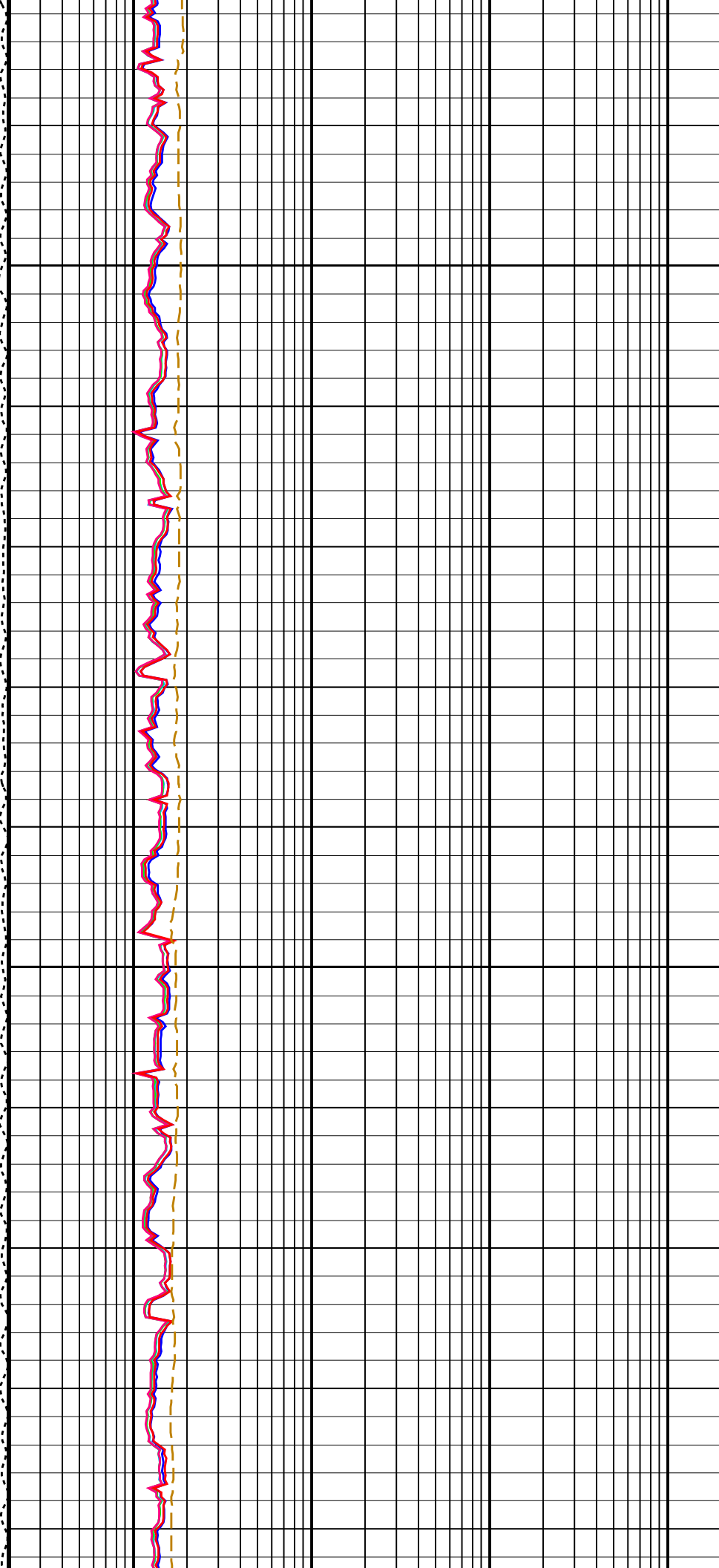


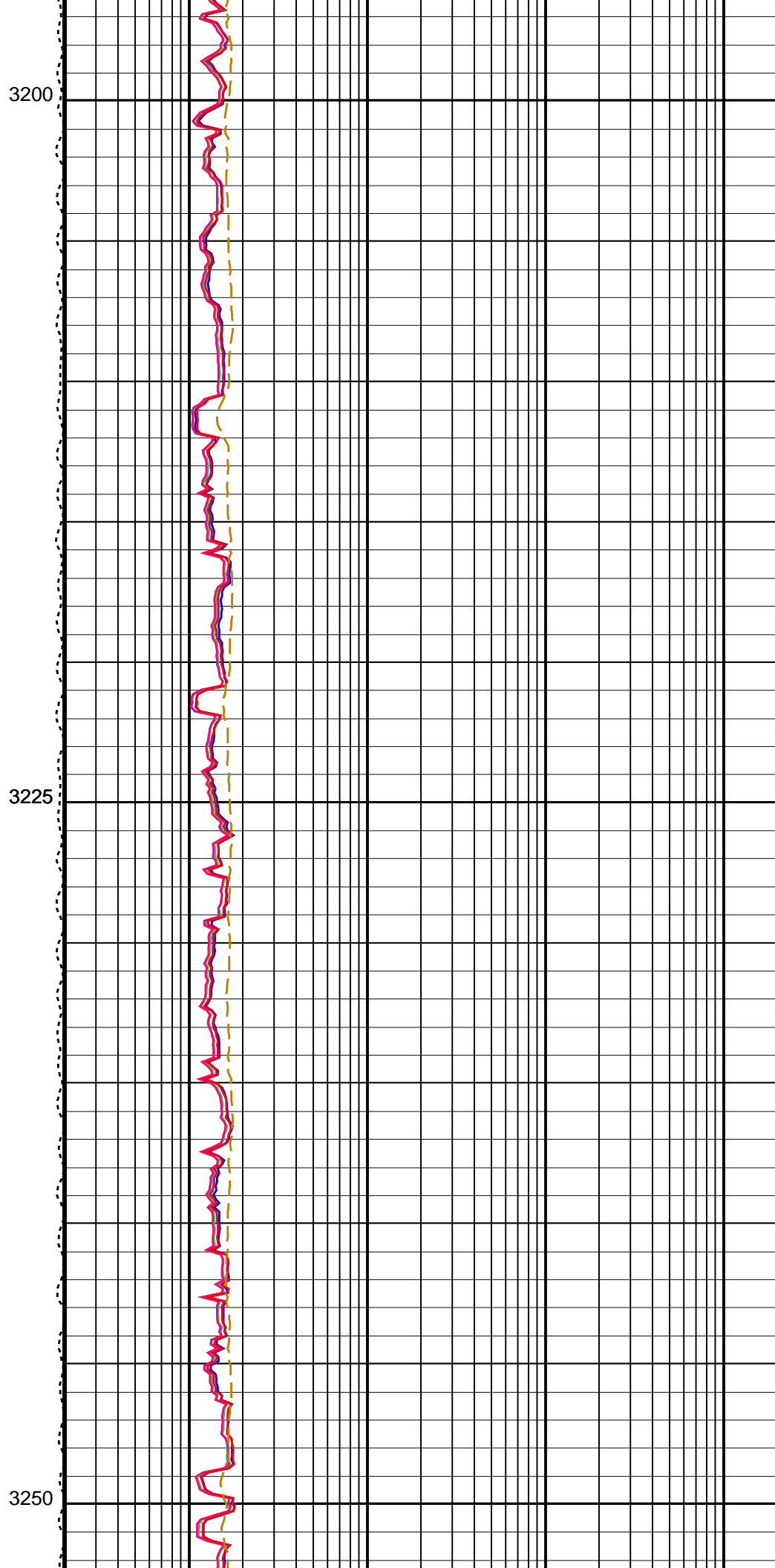
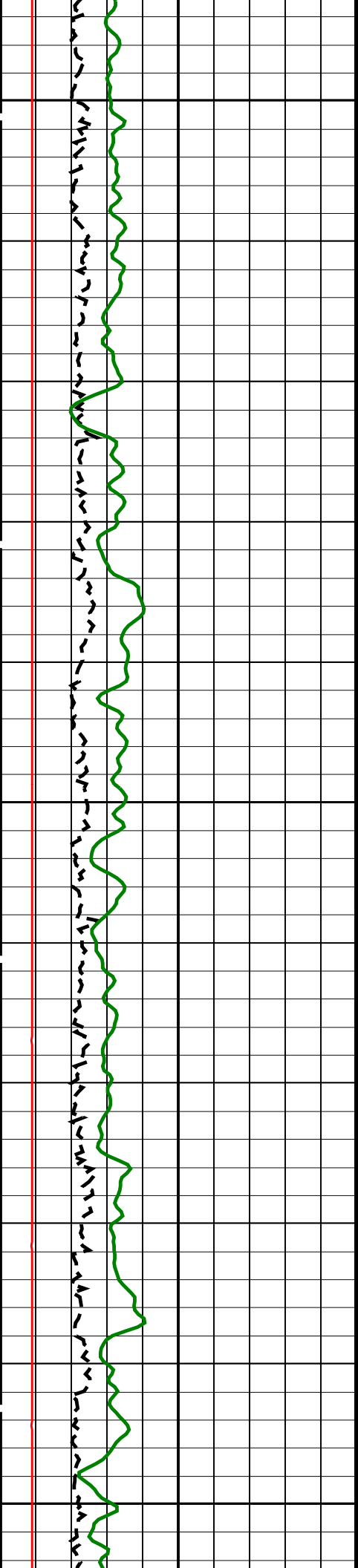


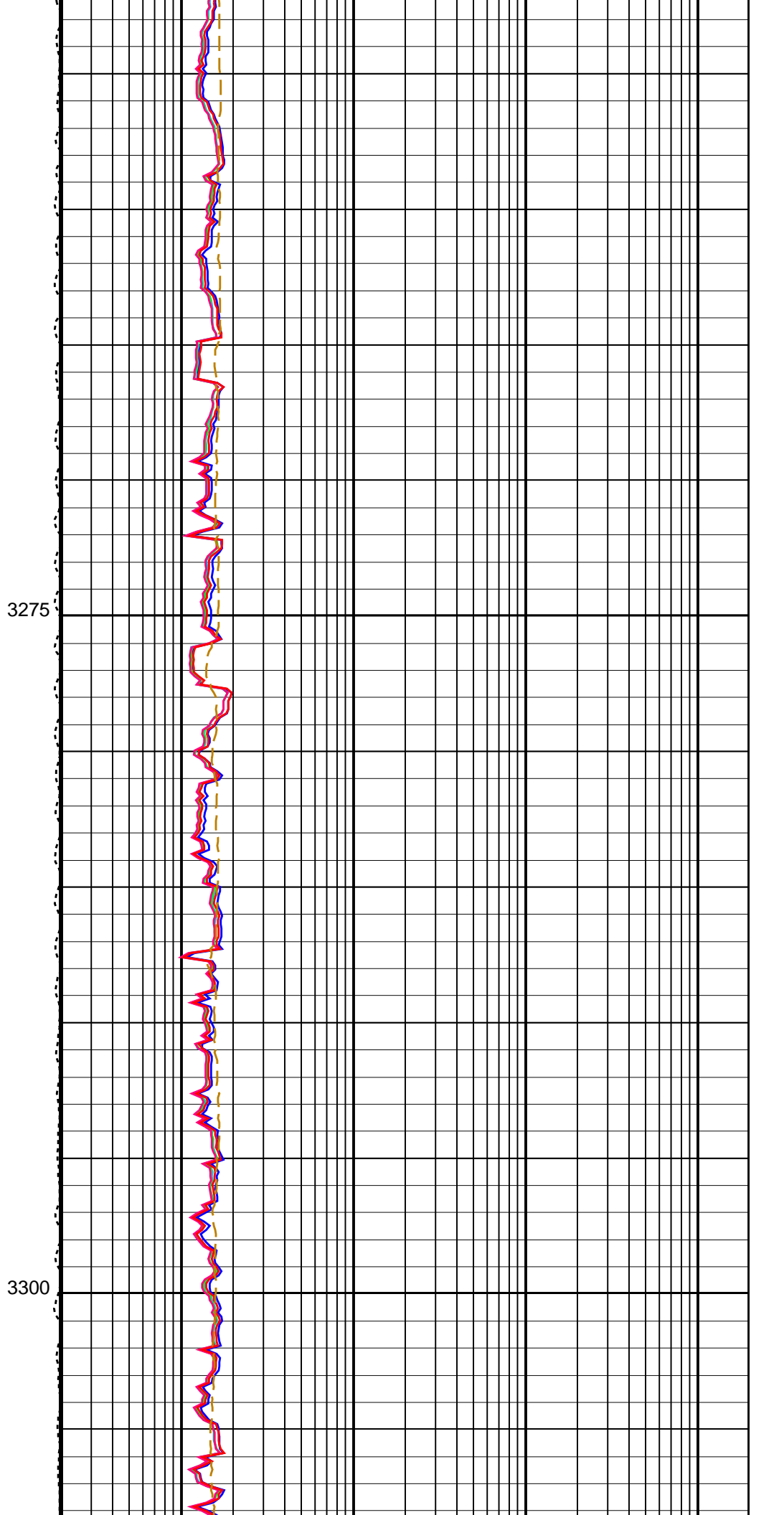
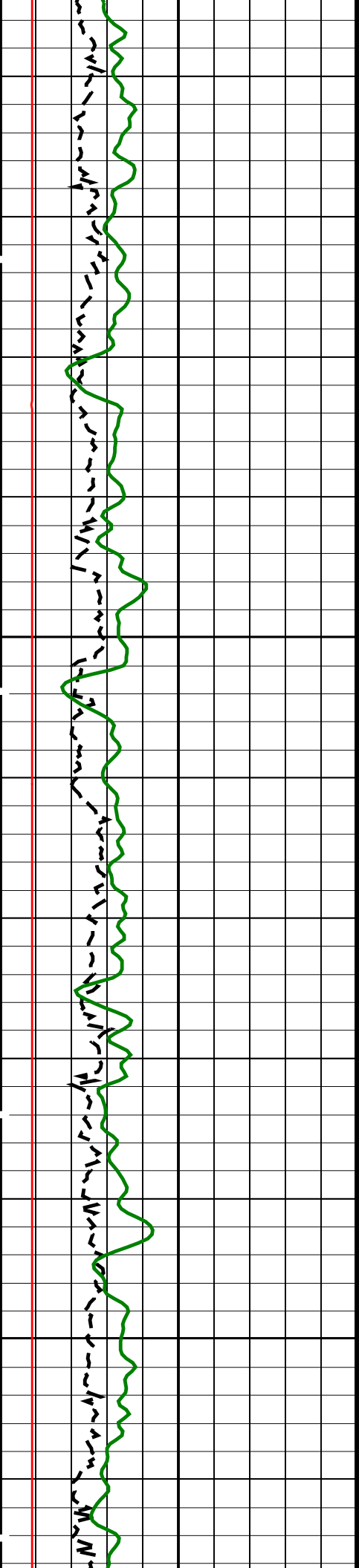


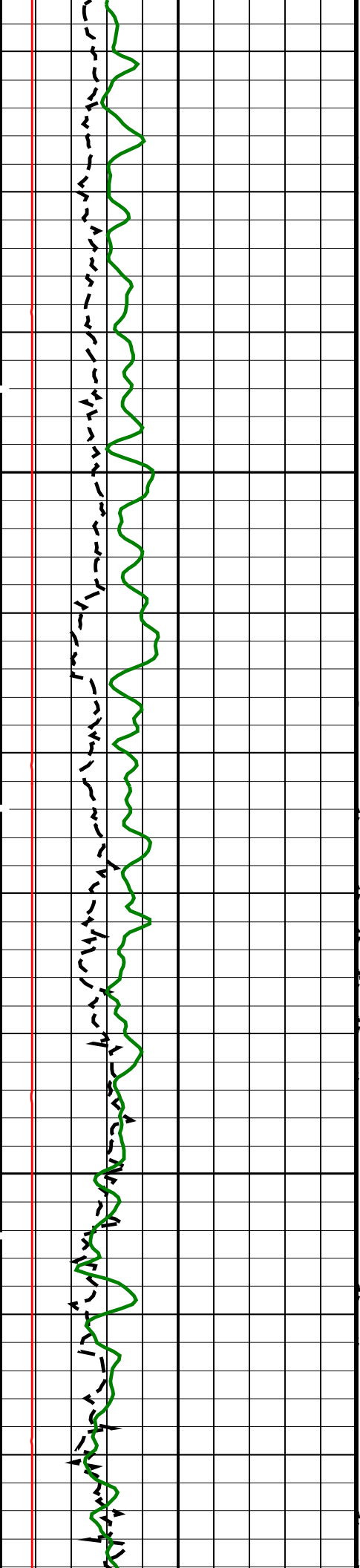
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3175



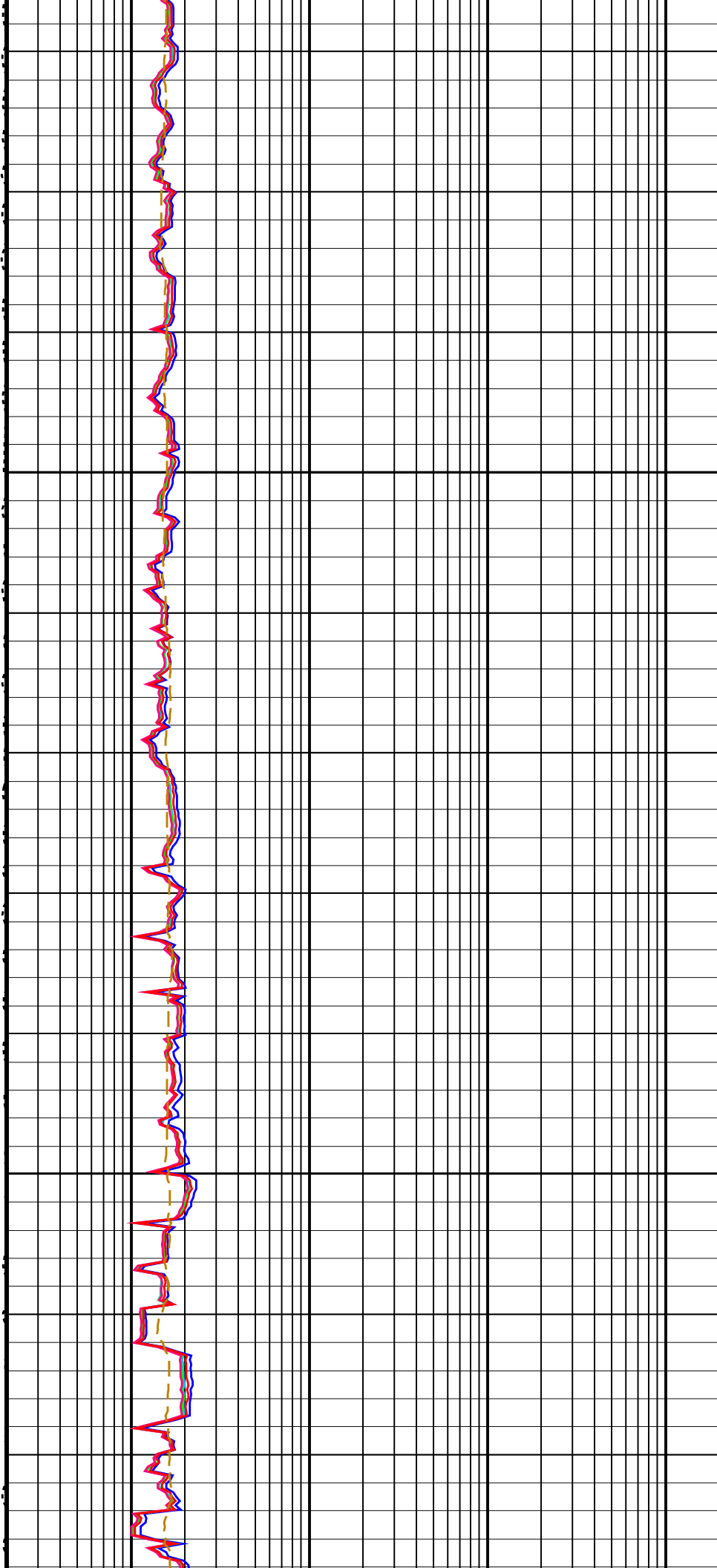


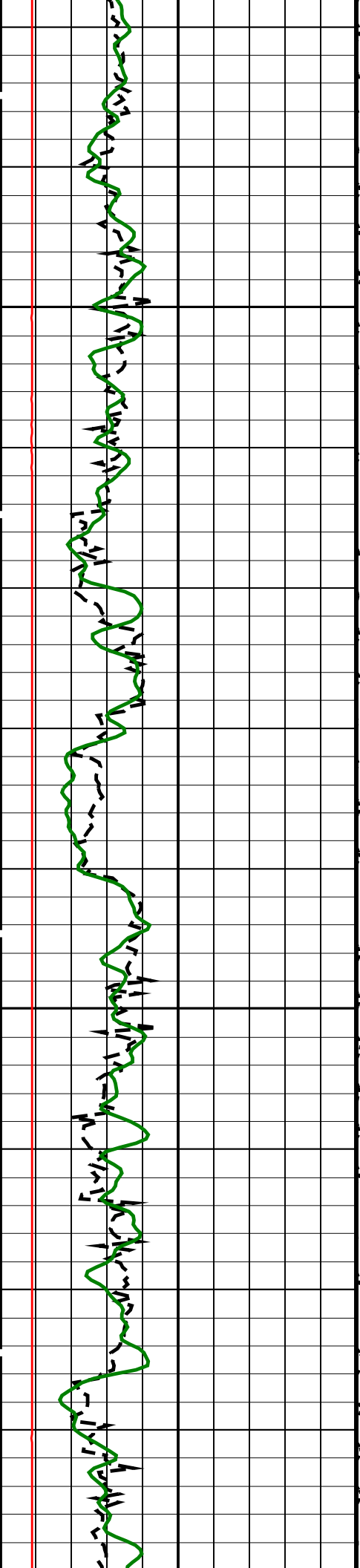




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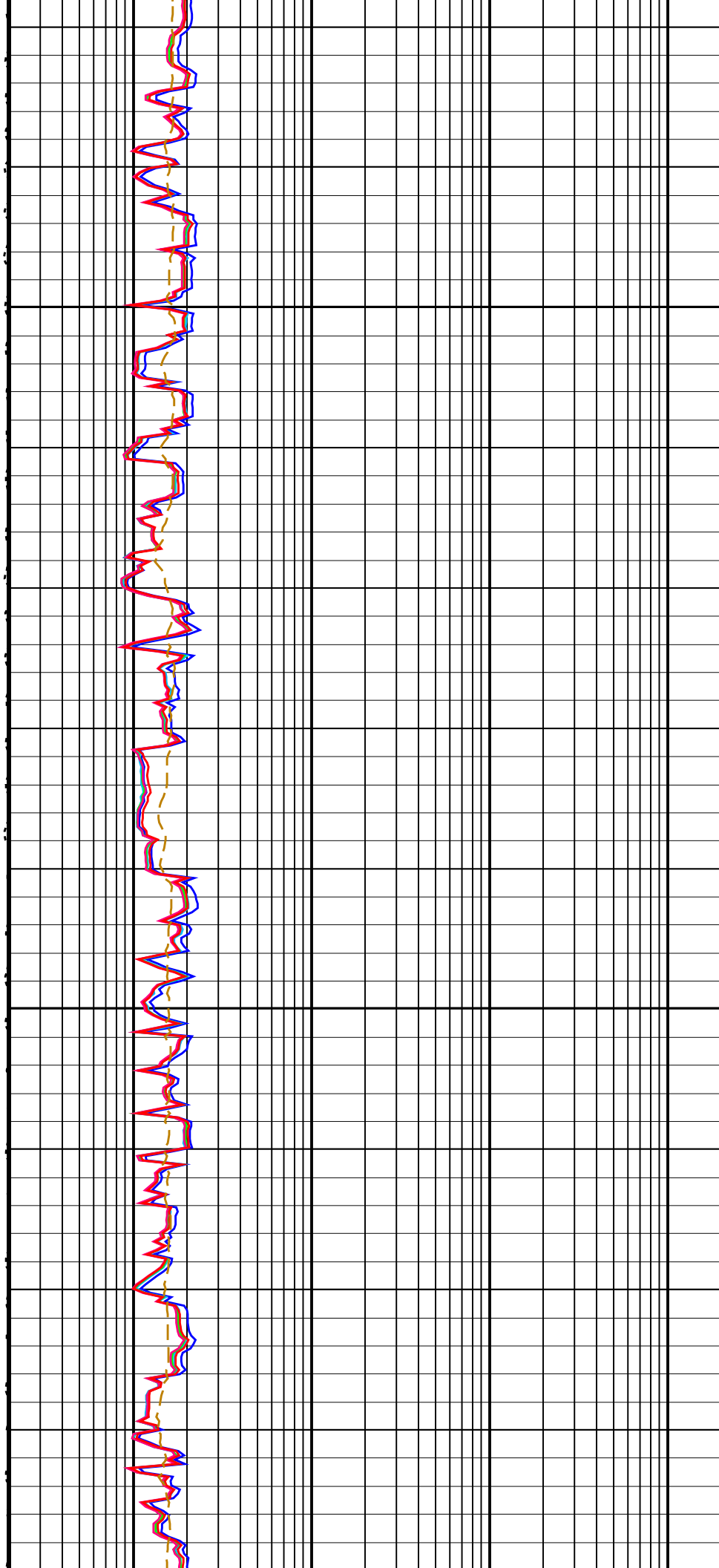
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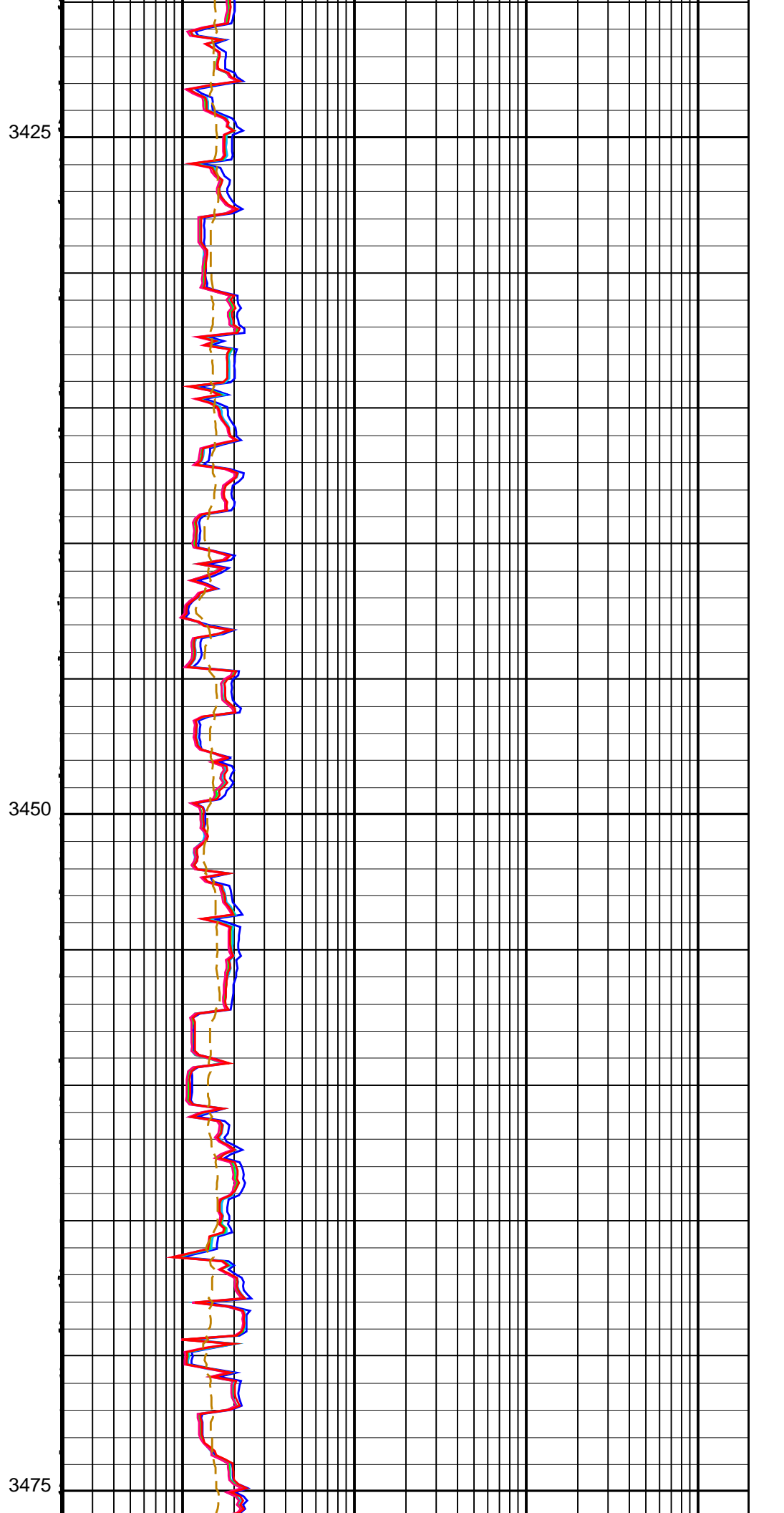
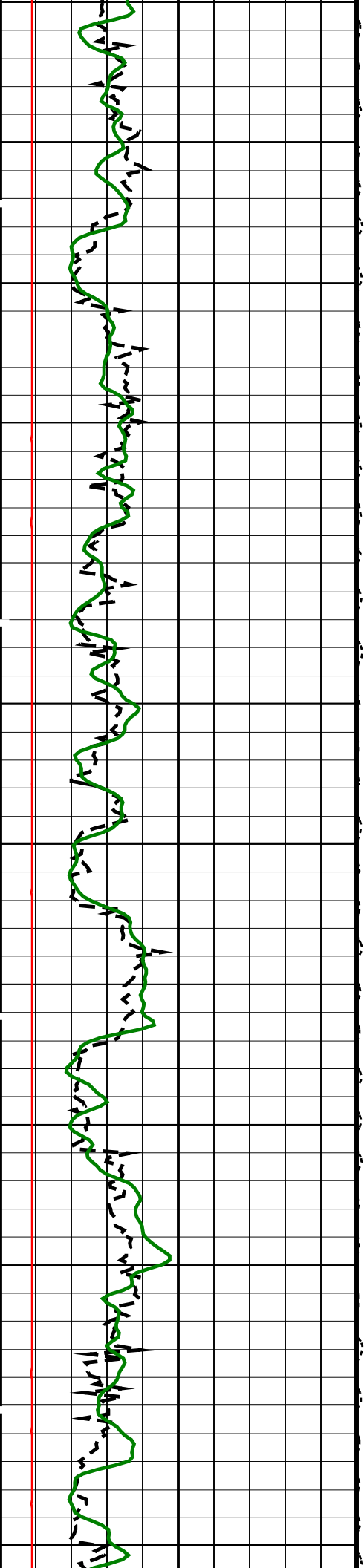


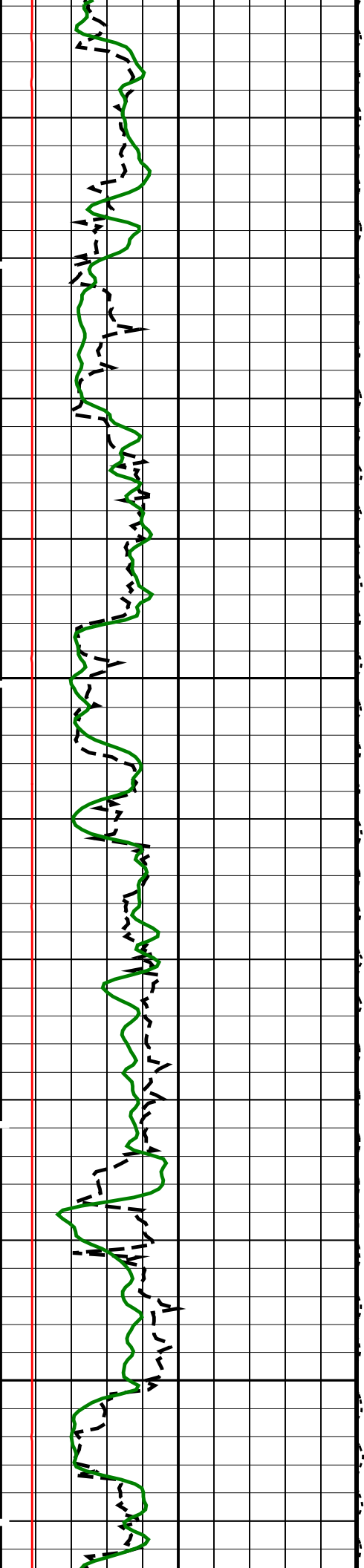


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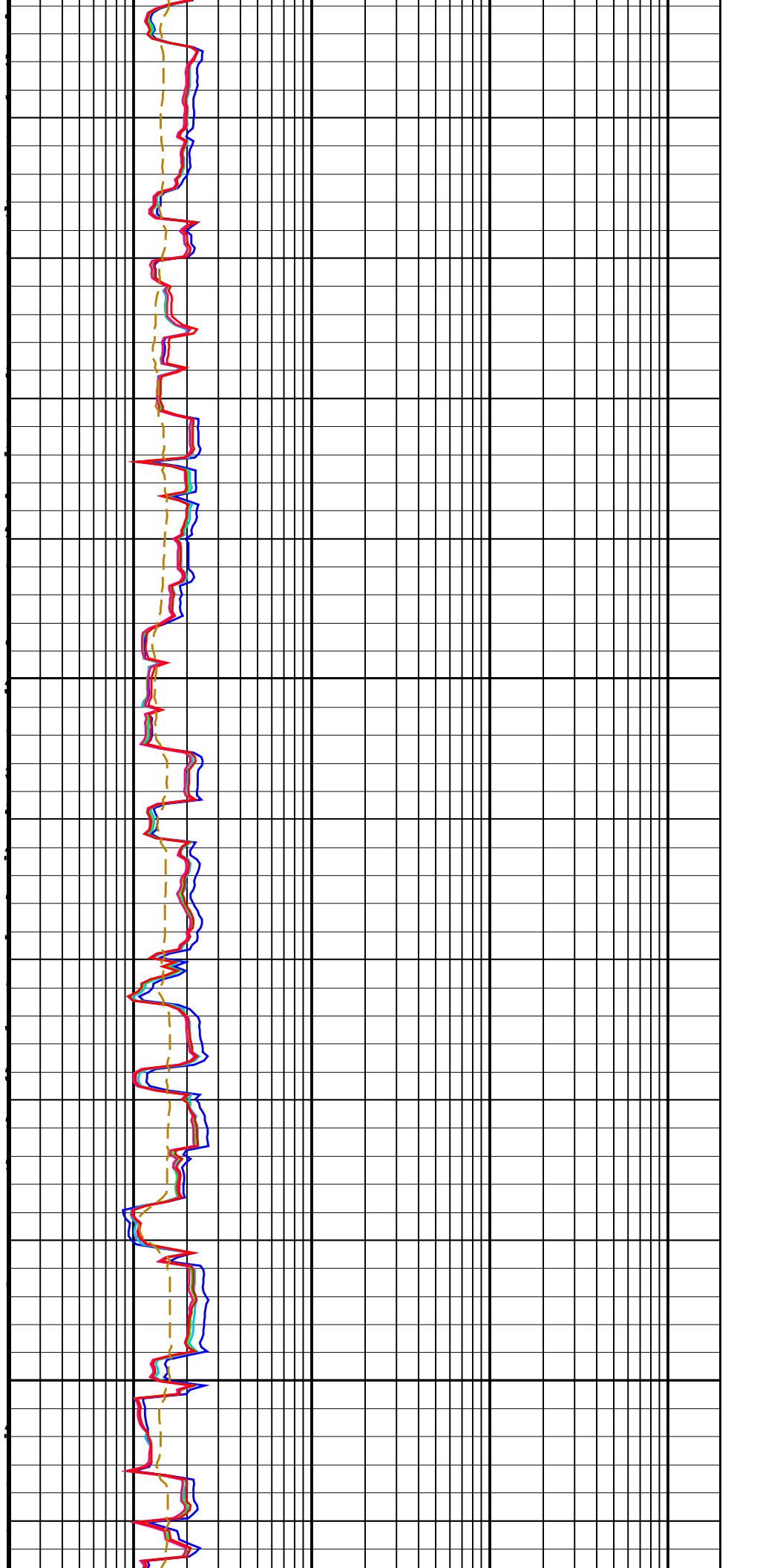


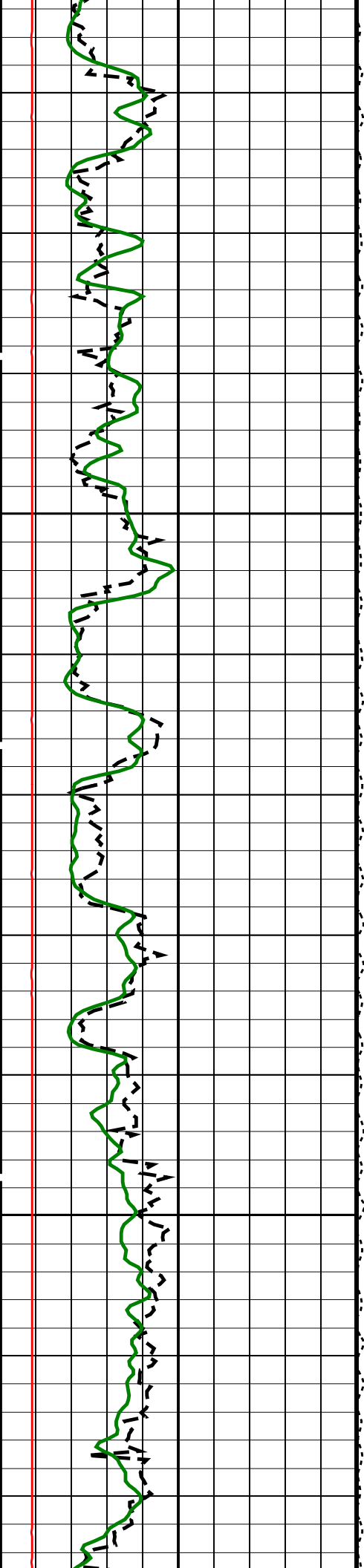




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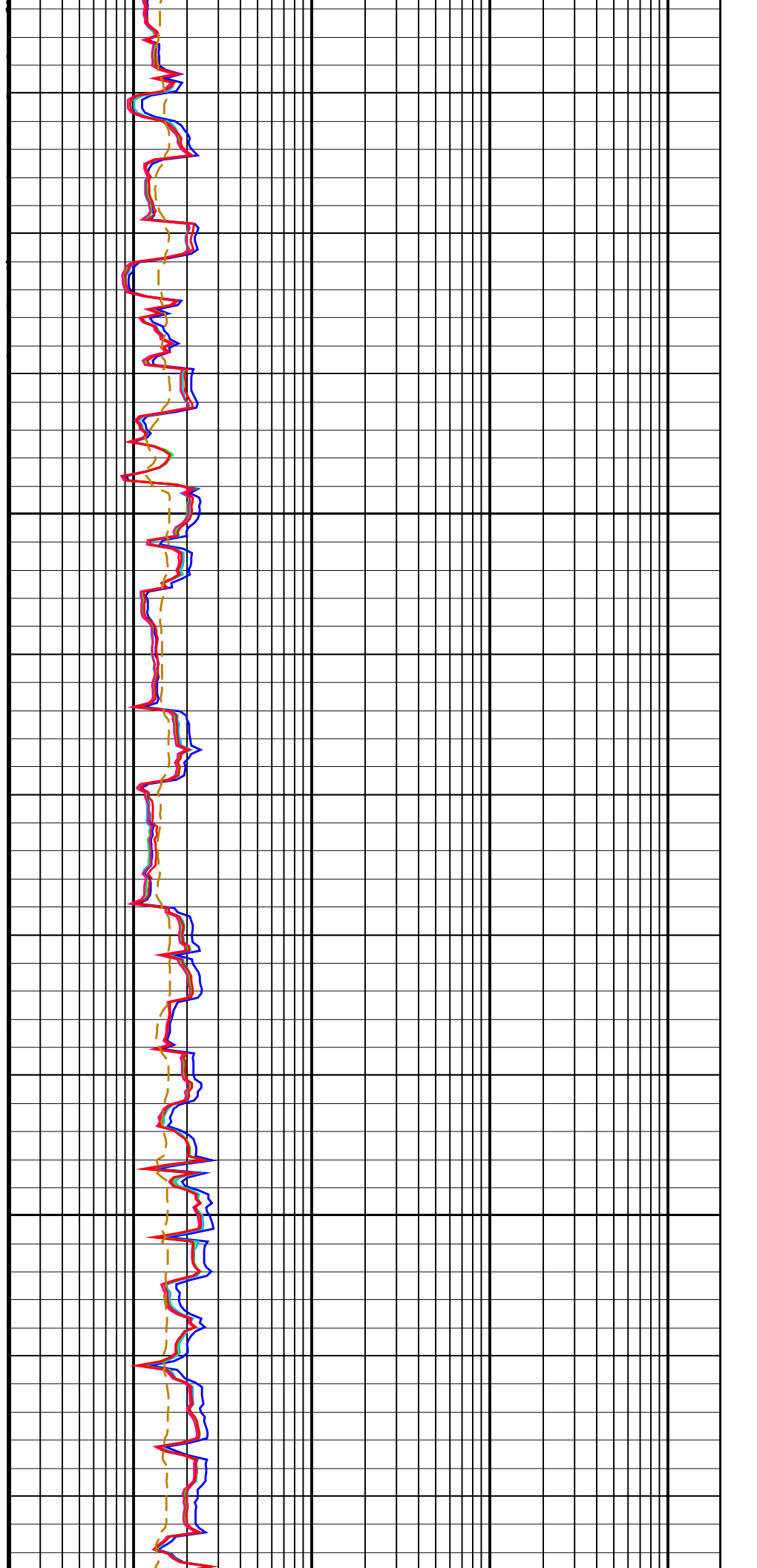
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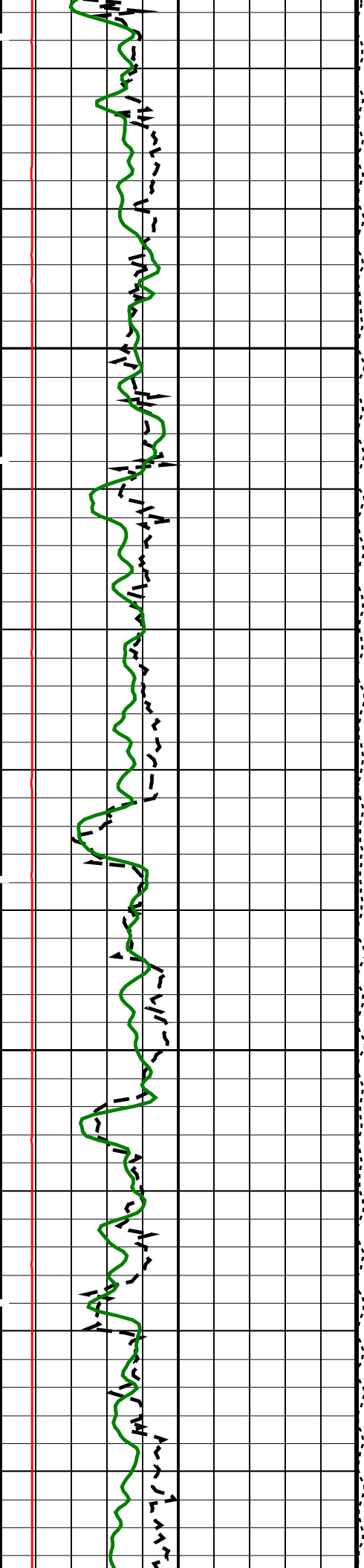




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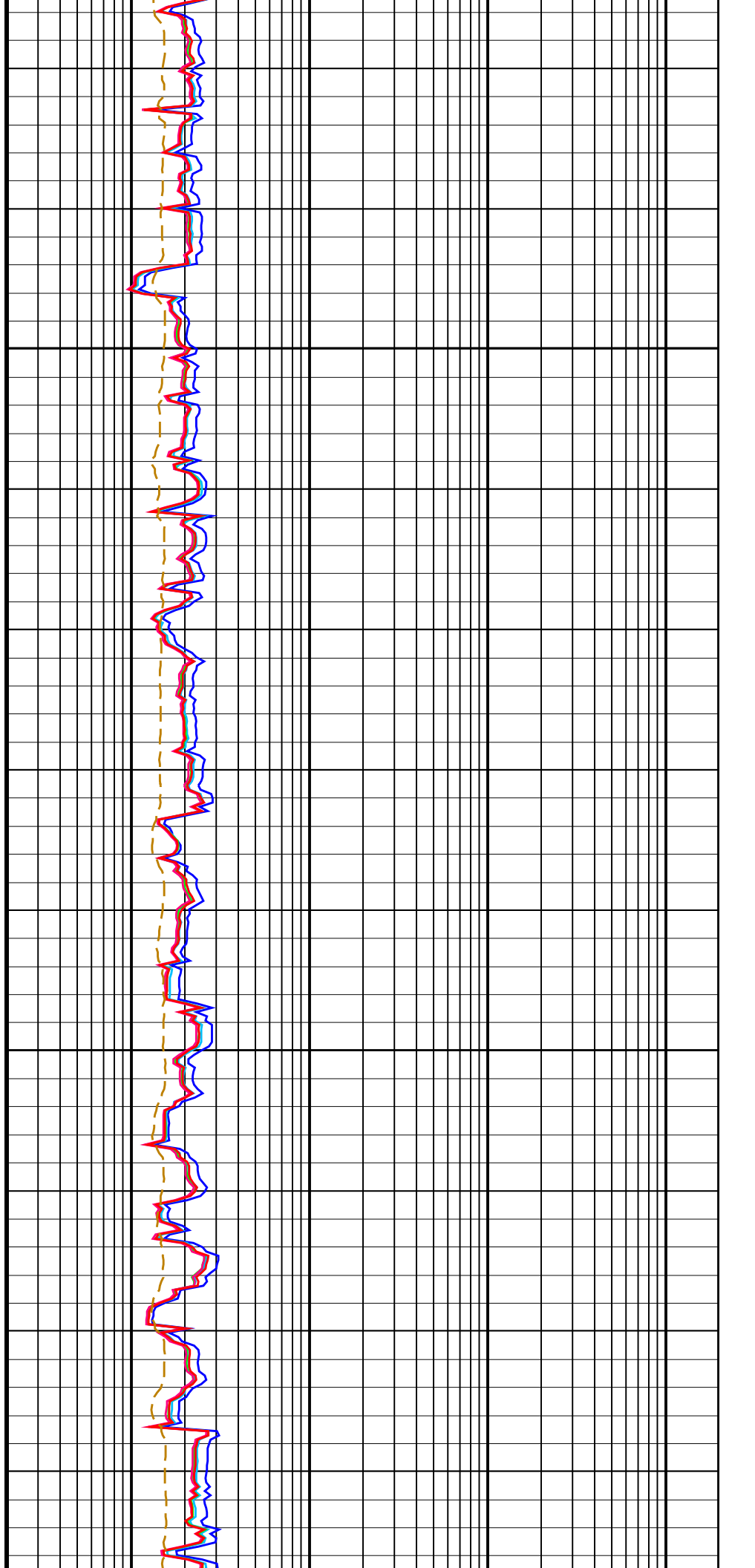
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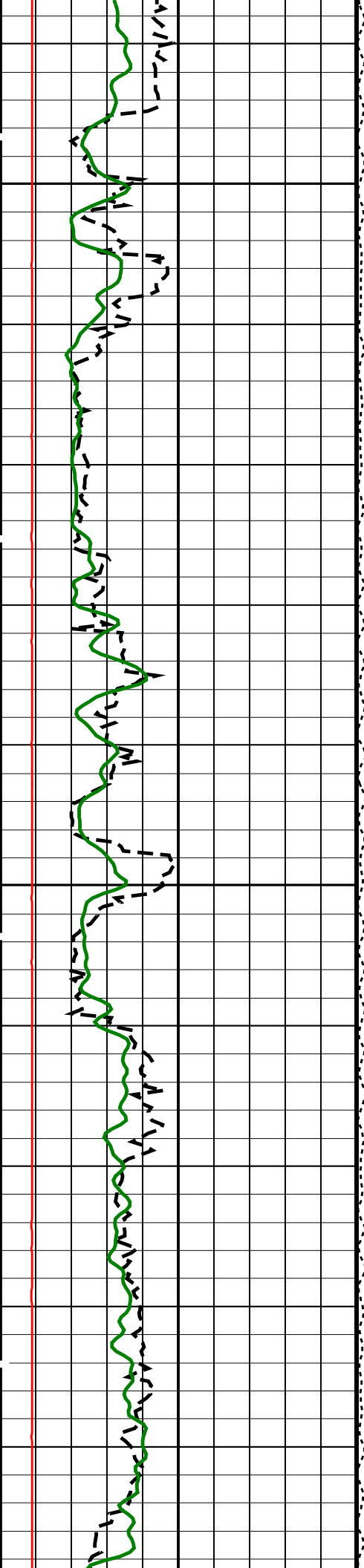




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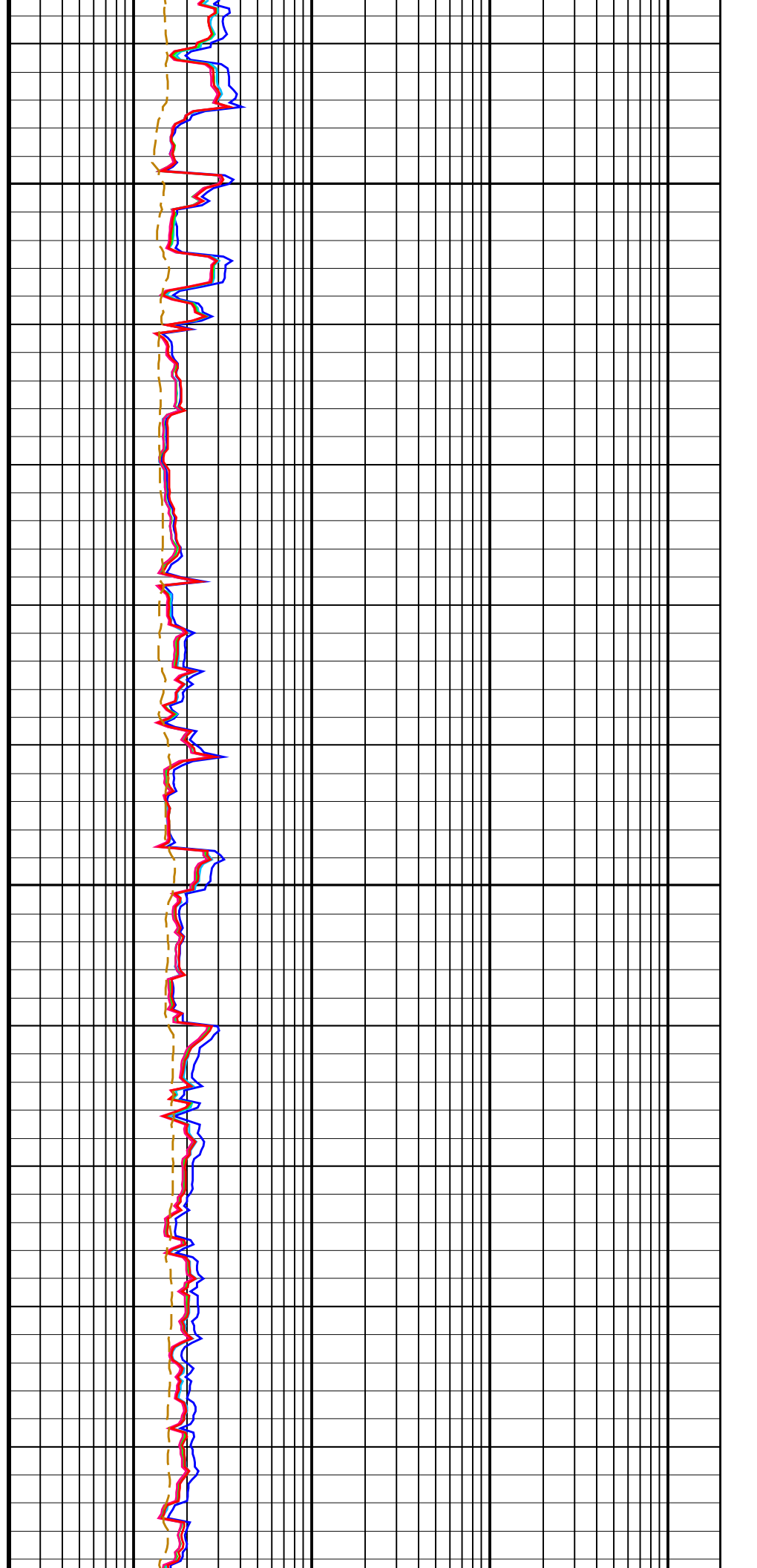
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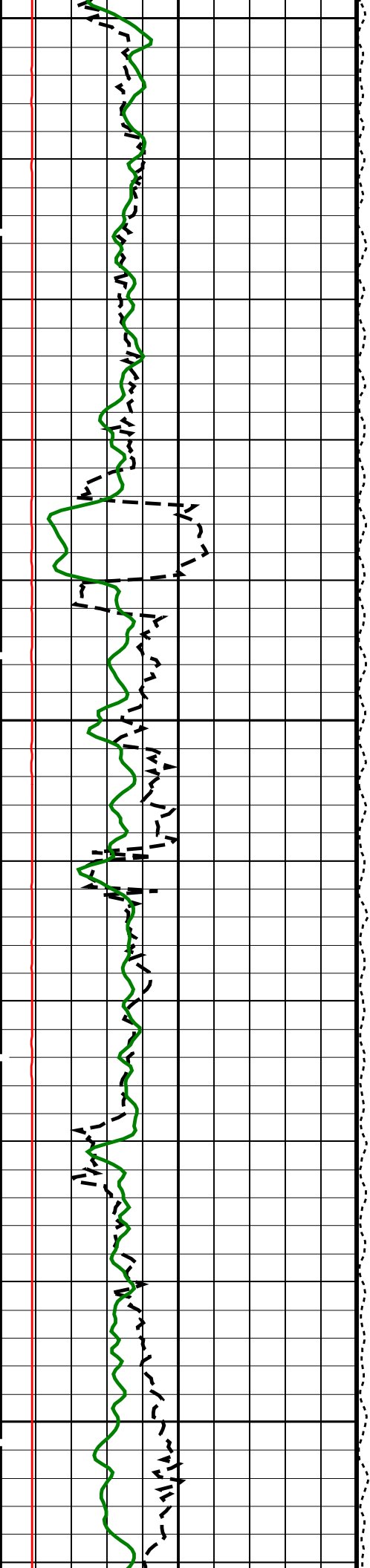




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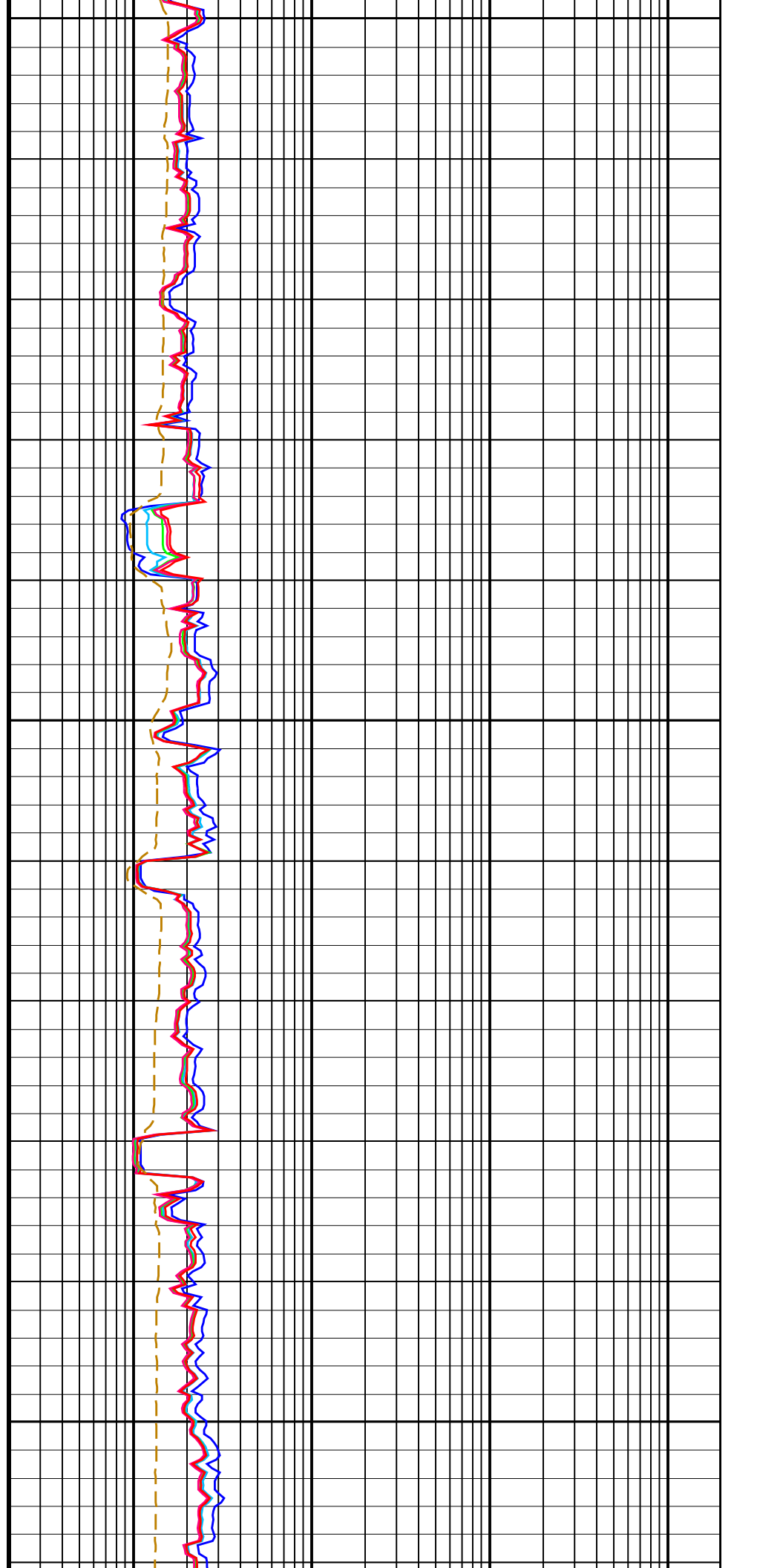


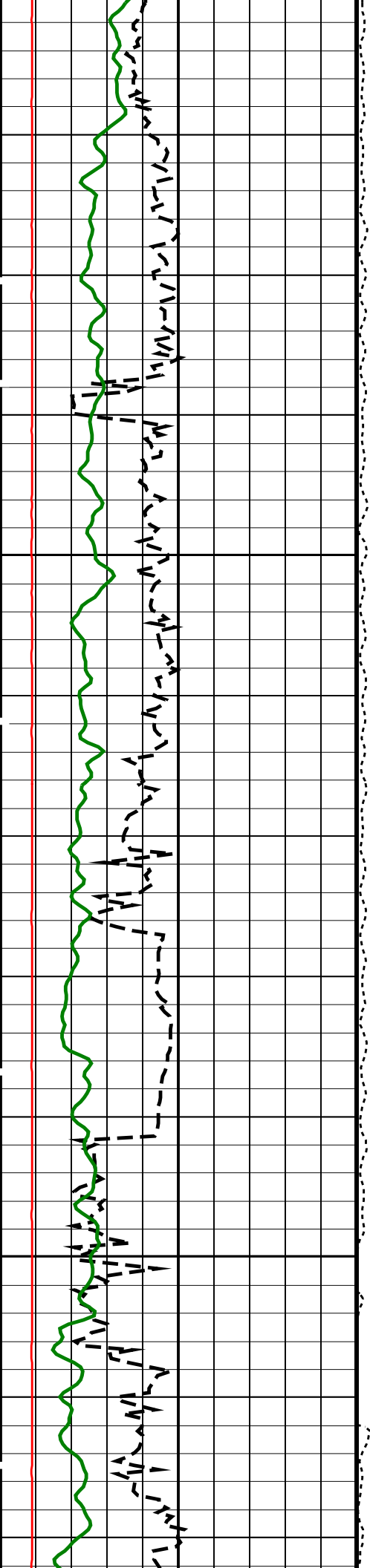


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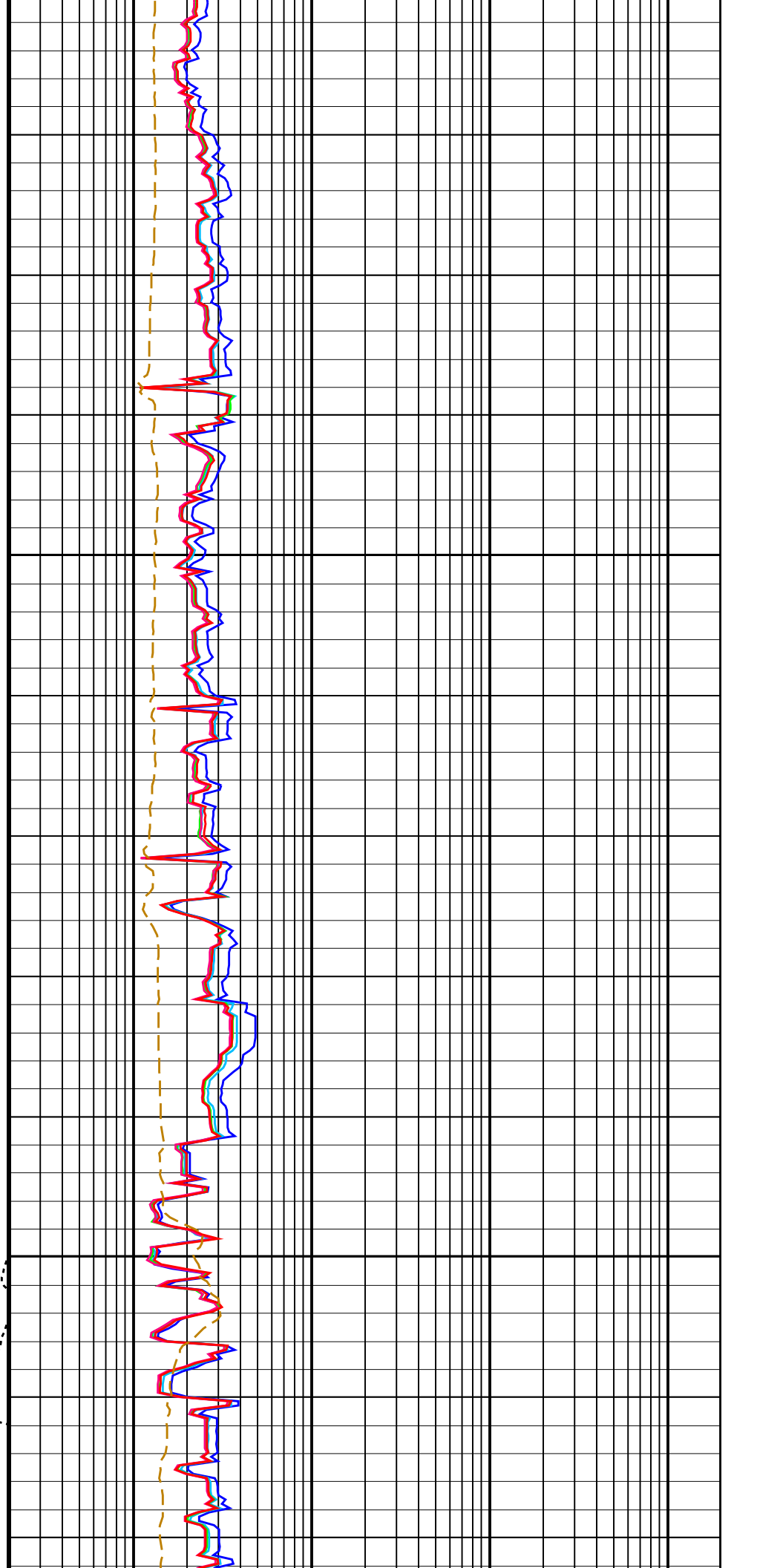
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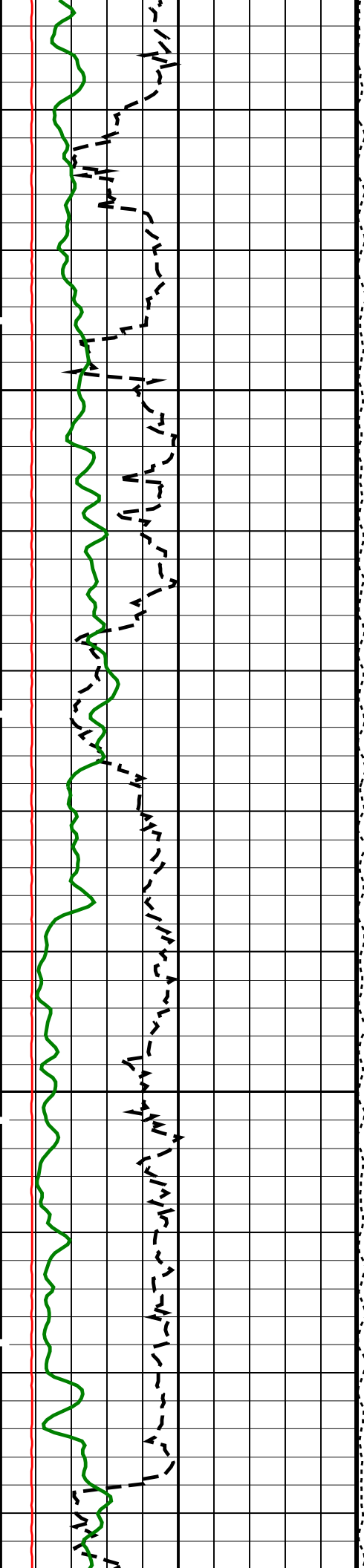




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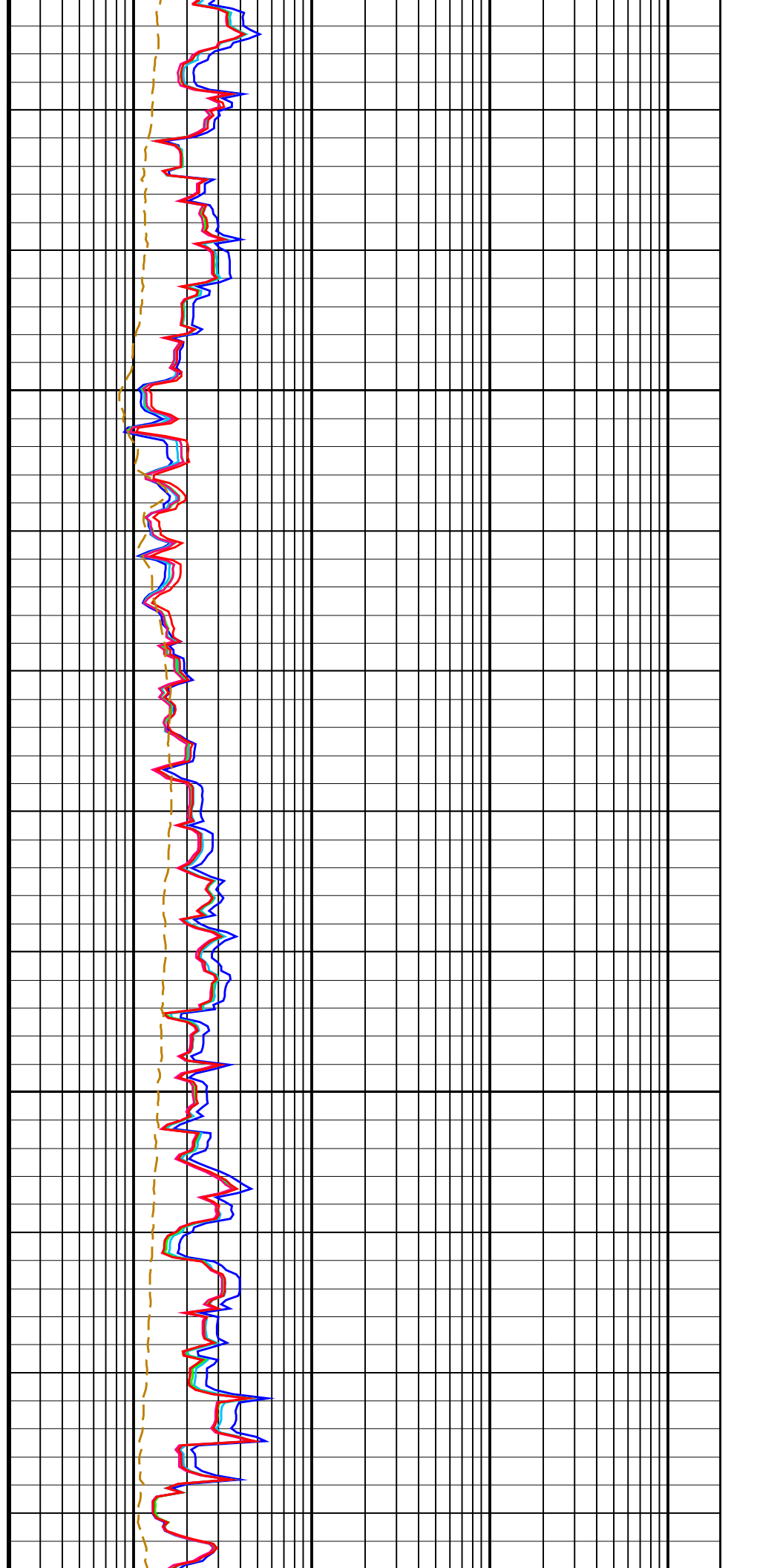
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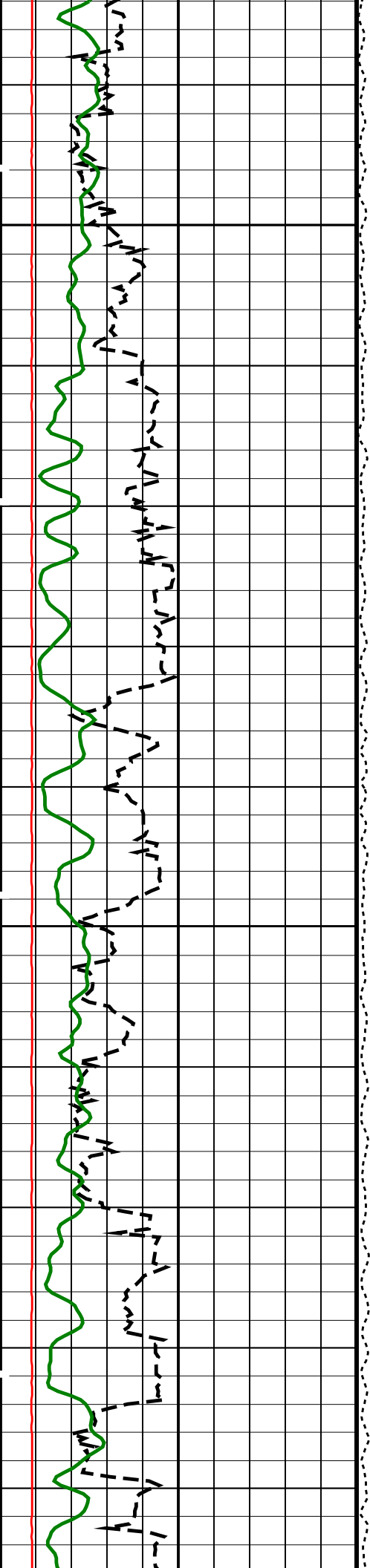




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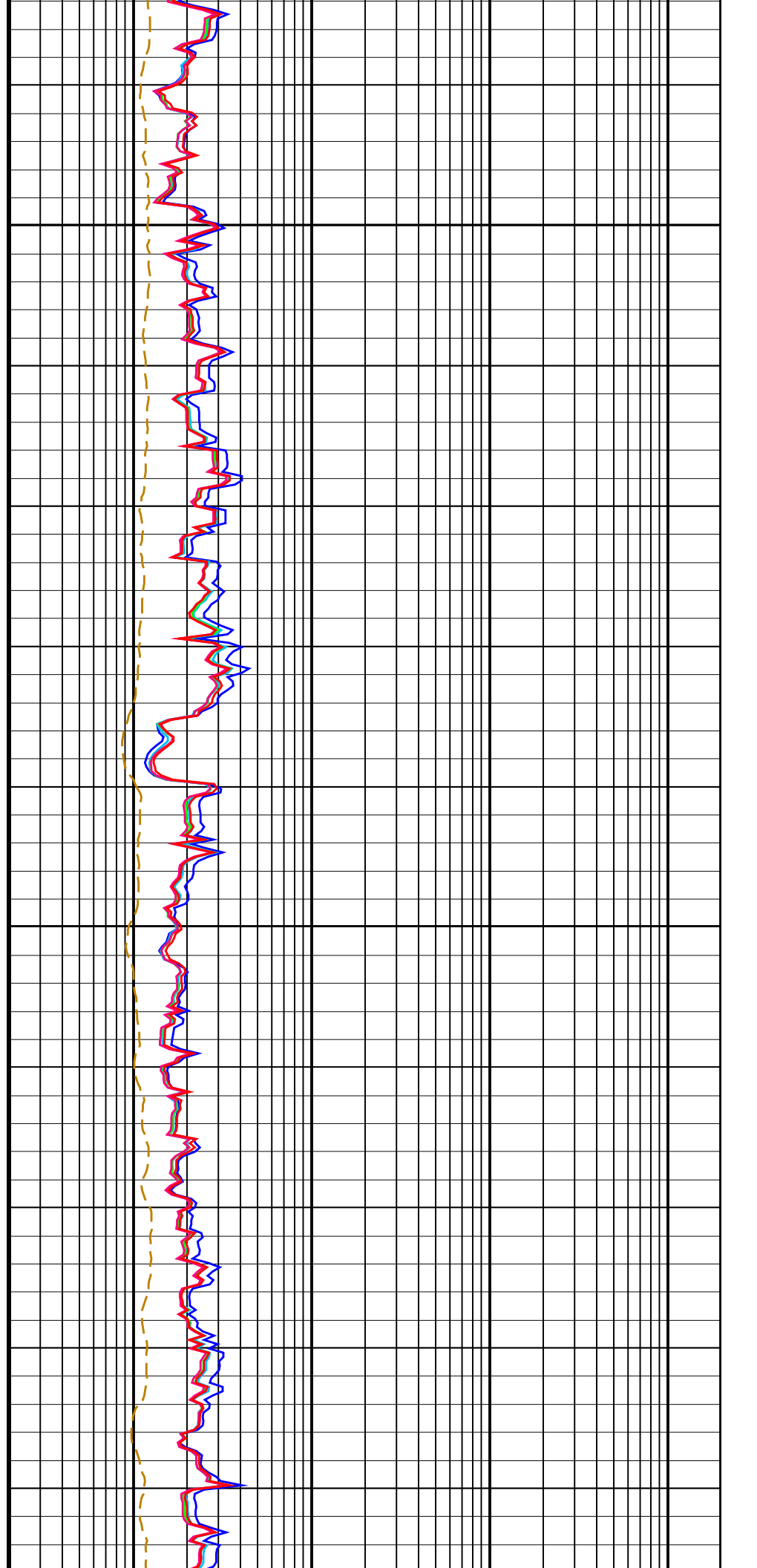
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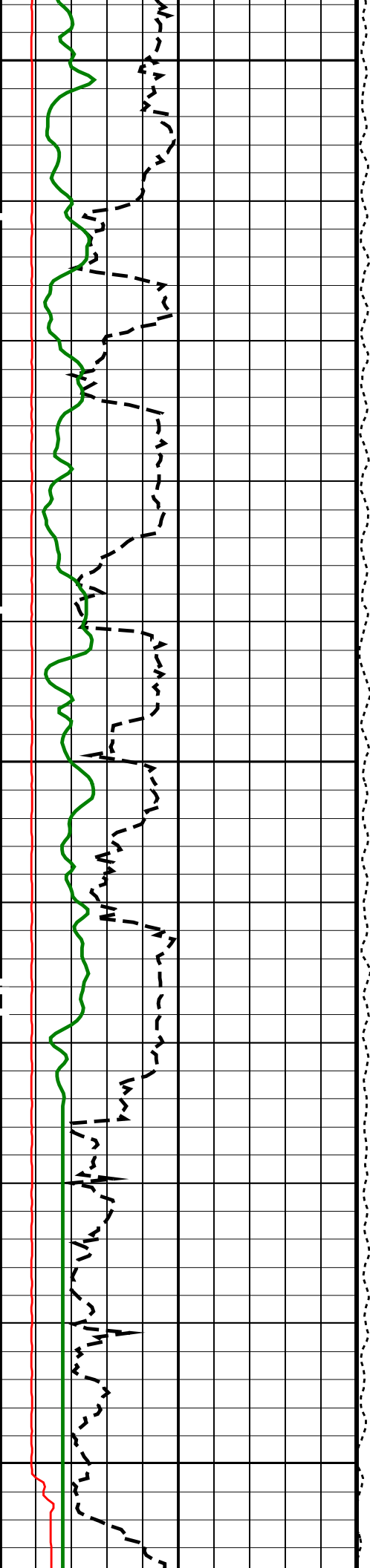




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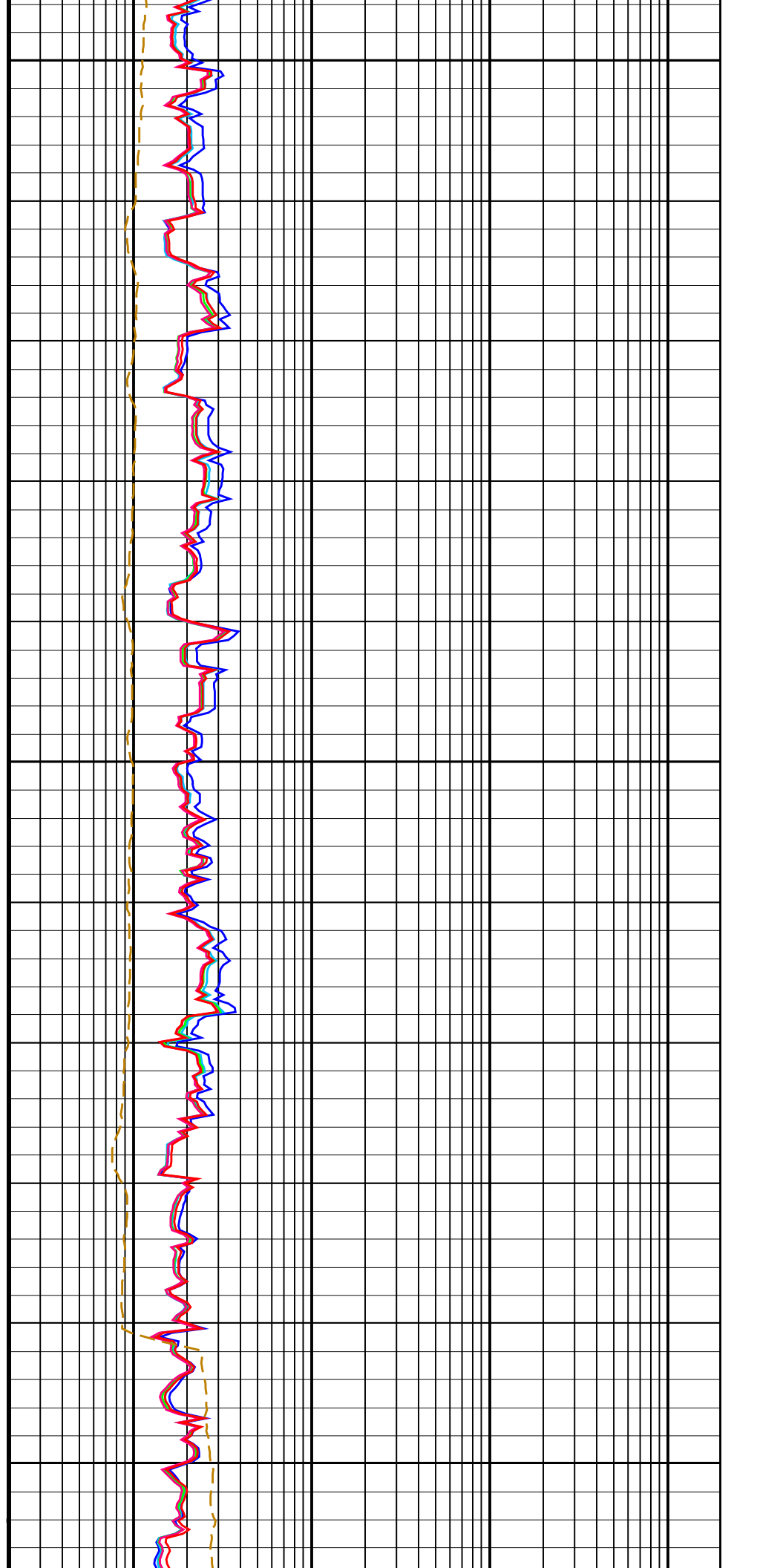


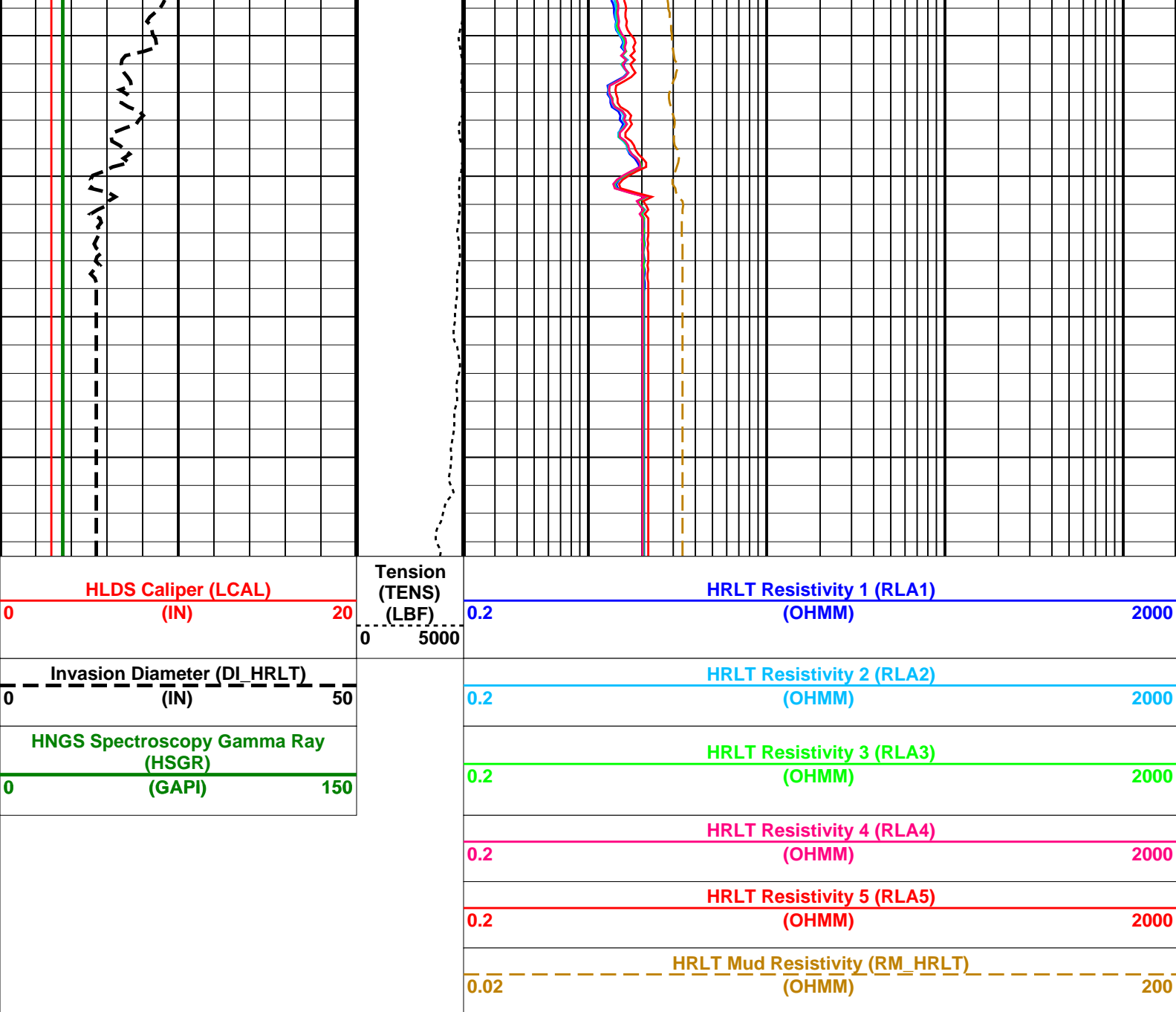


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PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
GCSE	Generalized Caliper Selection	BS	
GGRD	Geothermal Gradient	0.018227	DC/M
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	
PROCSP0	Sonde Position	Eccentered	
SHT	Surface Hole Temperature	20	DEGC
APS-C: Accelerator-Porosity Tool			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
GCSE	Generalized Caliper Selection	BS	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	

SHT	Surface Hole Temperature	20	DEGC
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	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
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	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	0.00026747	
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	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01616	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998343	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
GCSE	Generalized Caliper Selection	BS	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN 9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
SHT	Surface Hole Temperature	20	DEGC
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	
TD	Total Depth	4090.9	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 22-Jul-2023 15:56

OP System Version: 19C0-187

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

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_016LUP	PRODUCER	22-Jul-2023 15:55	3998.5 M	2752.3 M
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Output DLIS Files

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RTB	MSS_LDEO_HRLA_LDL_017PUP	FN:18	PRODUCER	22-Jul-2023 15:56

Company: International Ocean Discovery Program Well: Expedition 395, Site U1602E

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_016LUP	PRODUCER	22-Jul-2023 15:55	3998.5 M	2752.3 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_017PUP	FN:17	PRODUCER	22-Jul-2023 15:56	3998.5 M	2752.3 M
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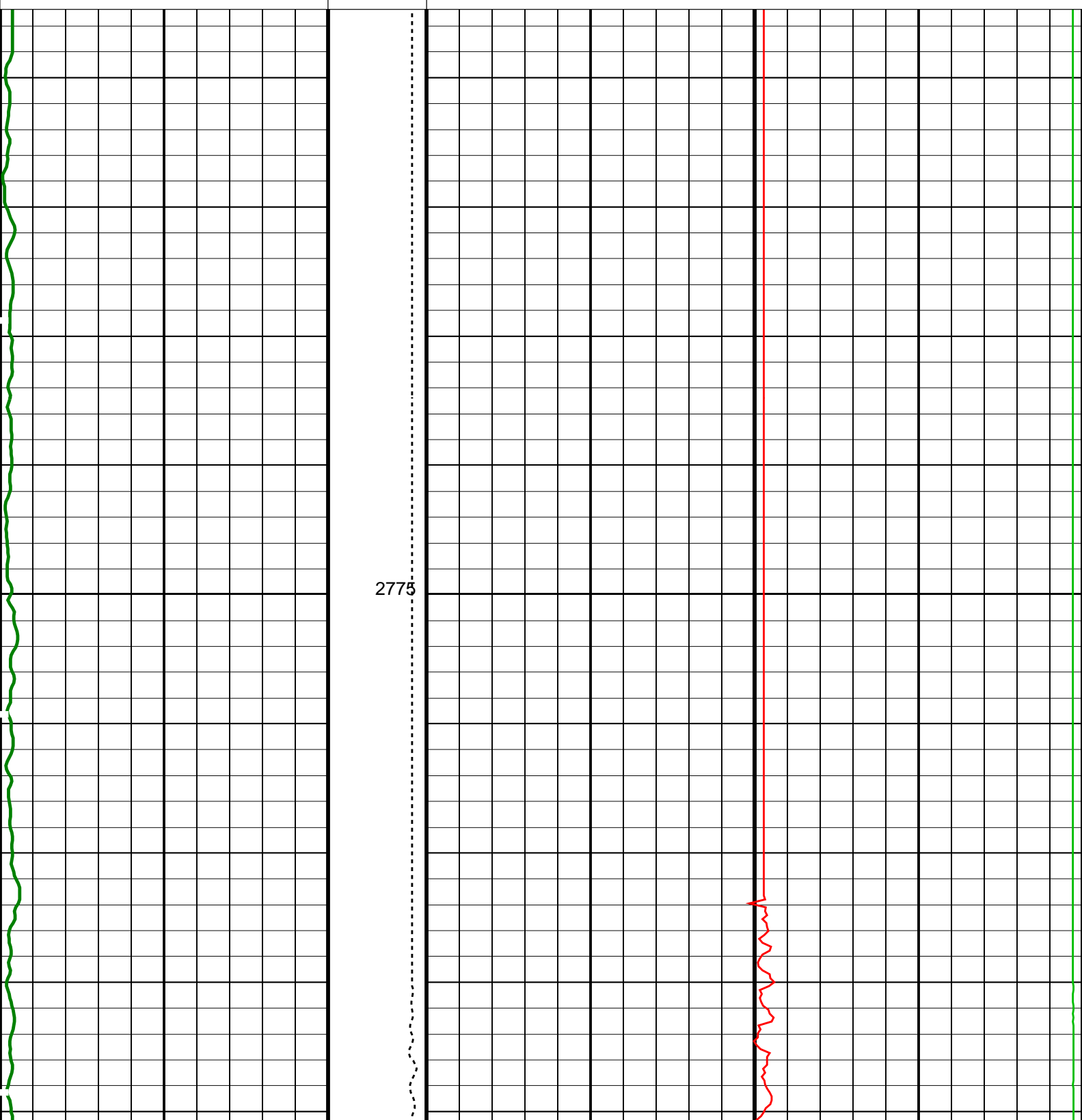
OP System Version: 19C0-187

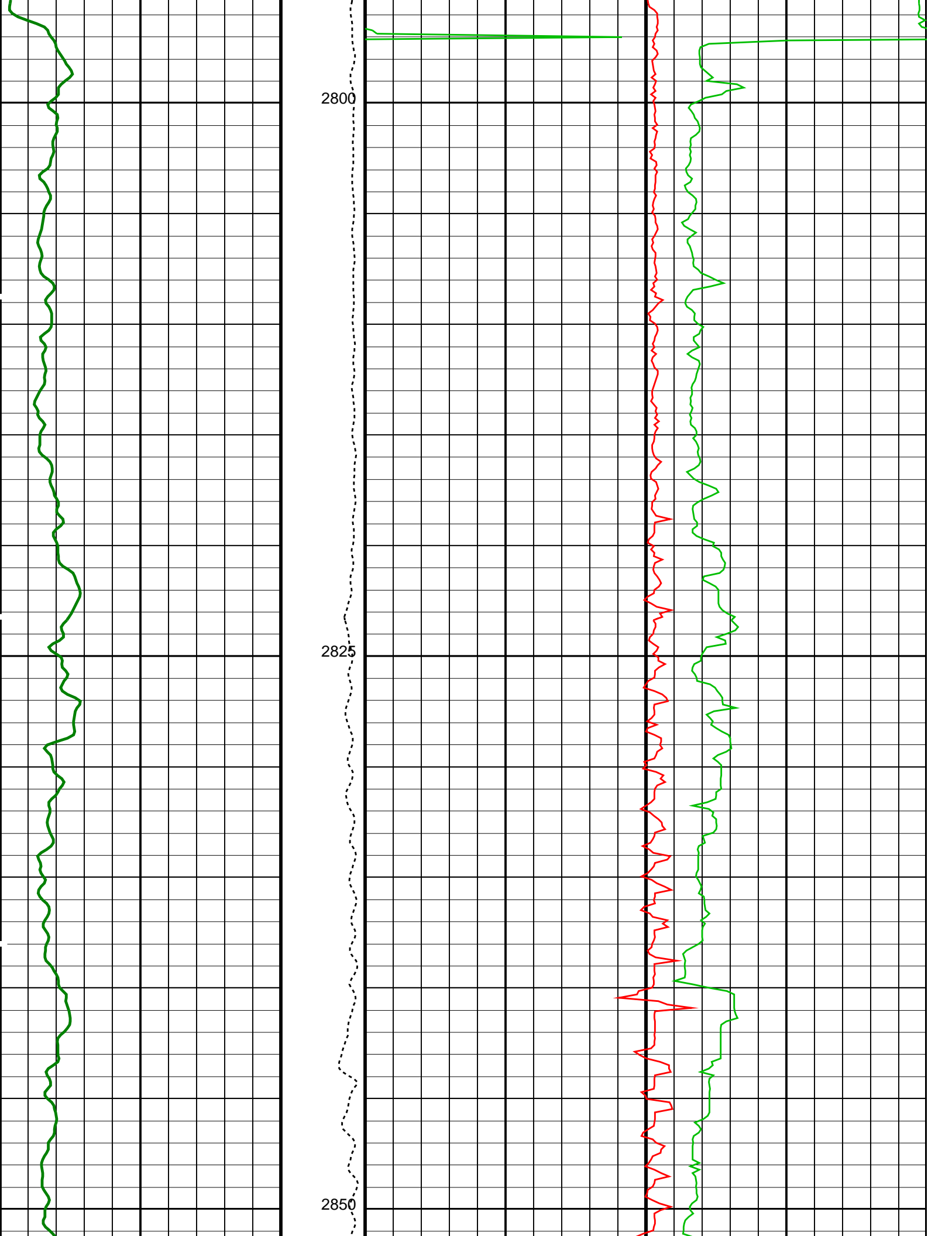
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HLDS	19C0-187	LDSC-B	19C0-187
APS-C	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

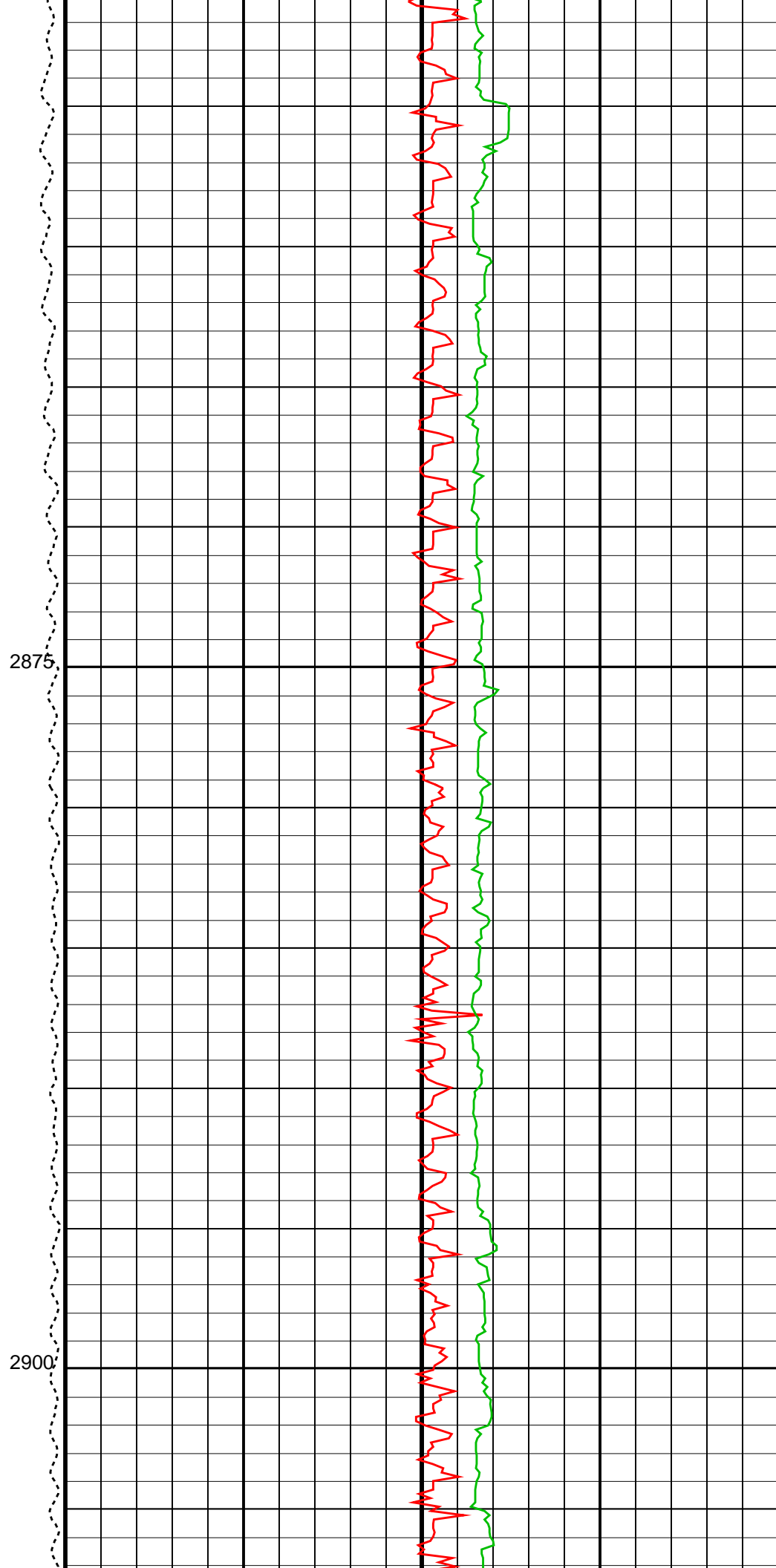
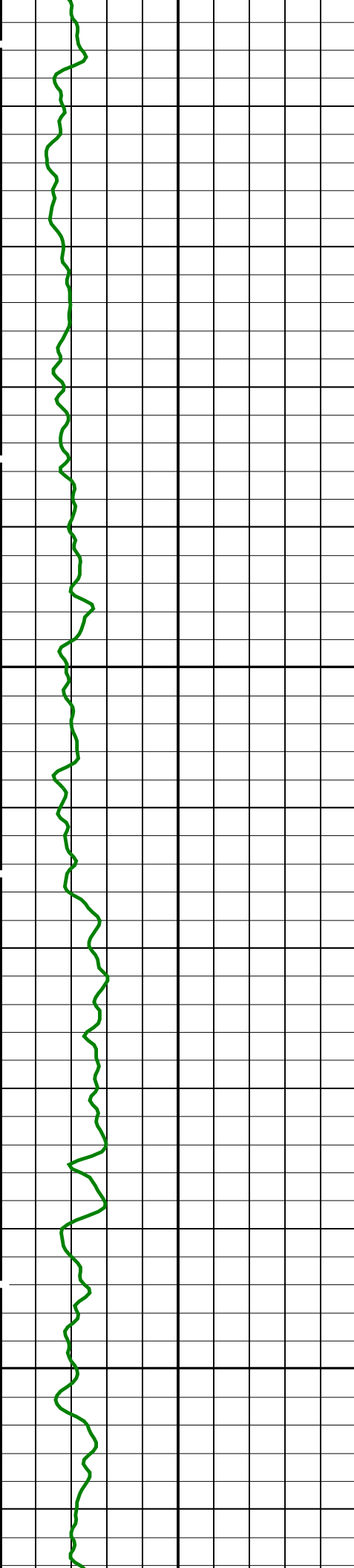
PIP SUMMARY

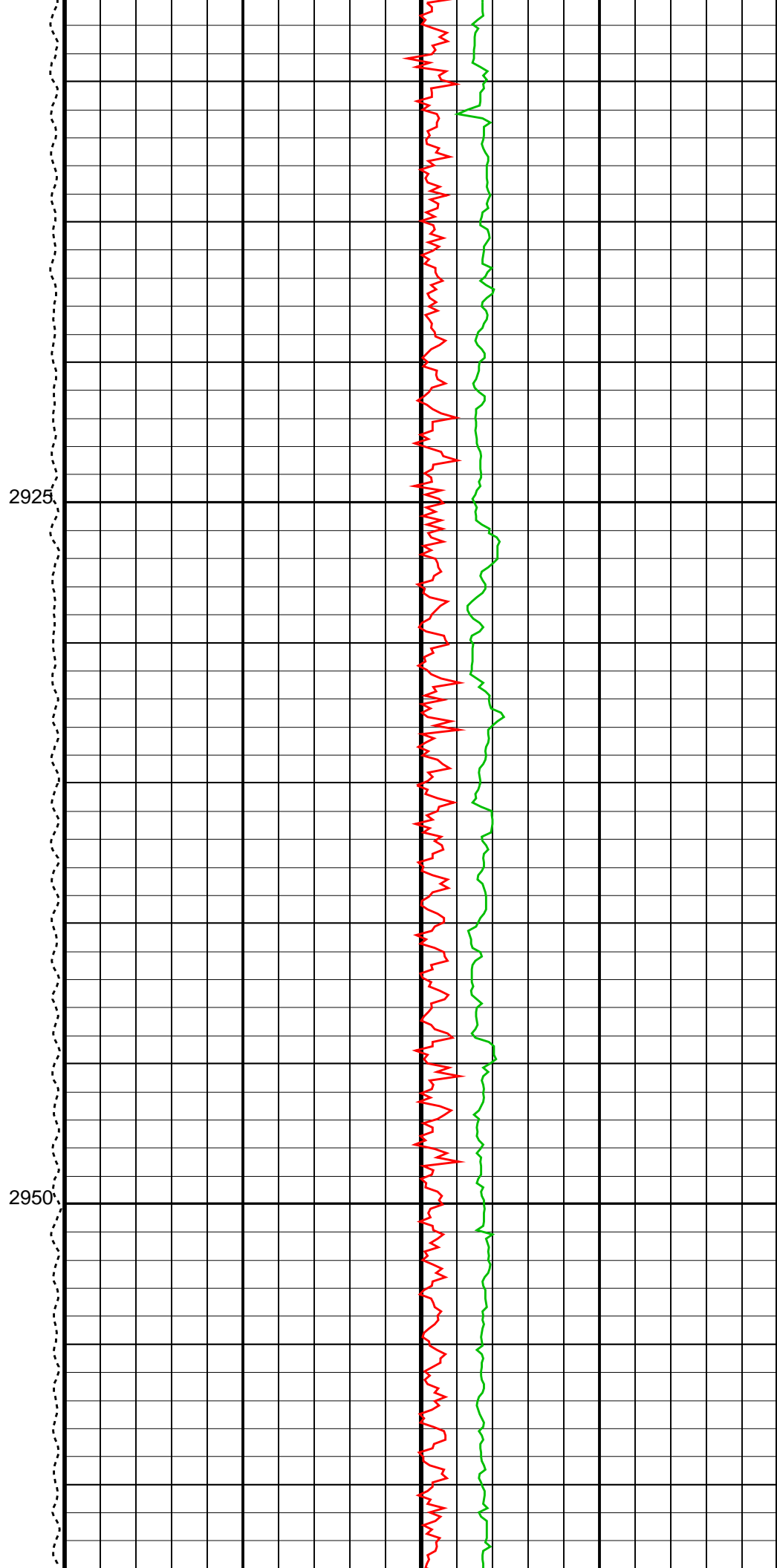
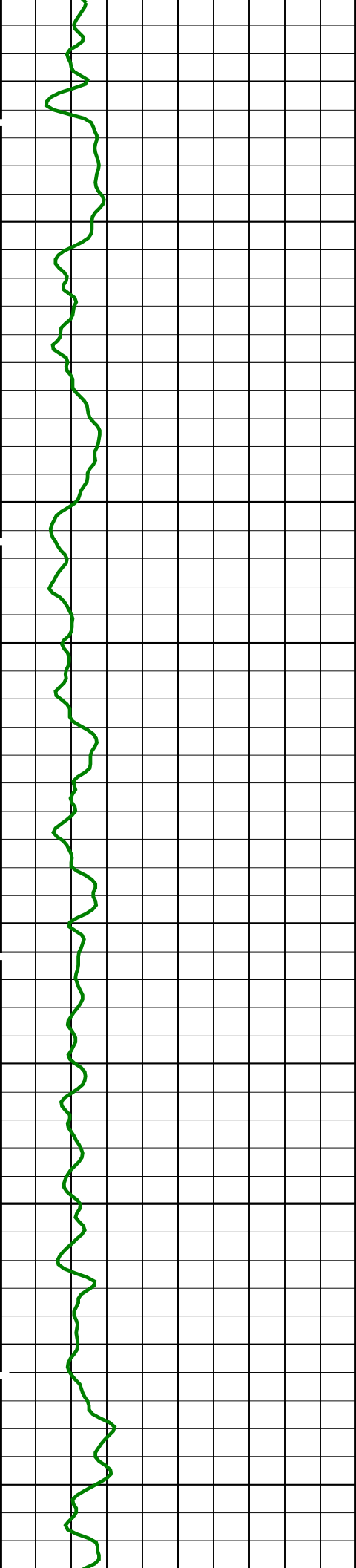
Time Mark Every 60 S

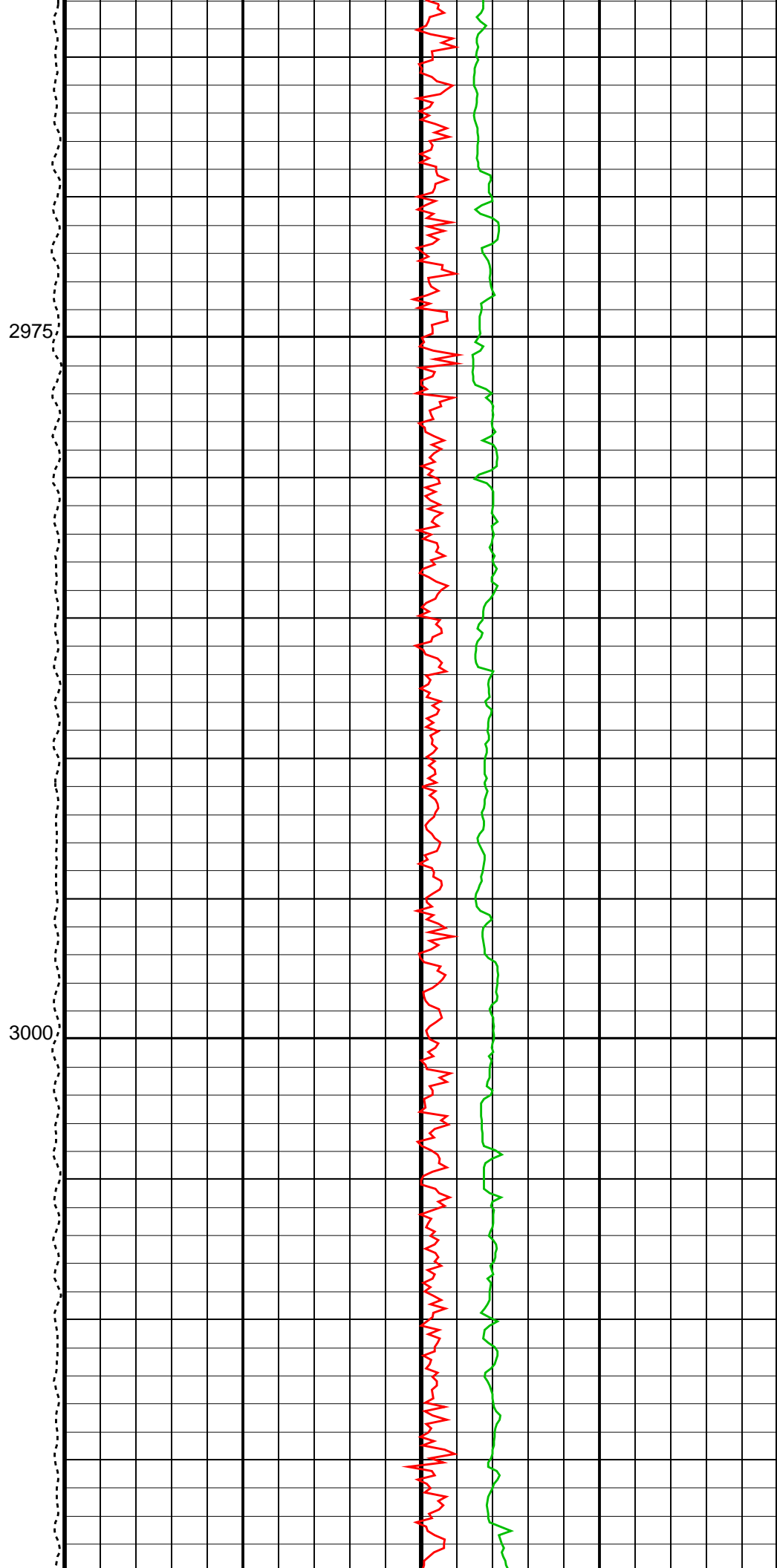
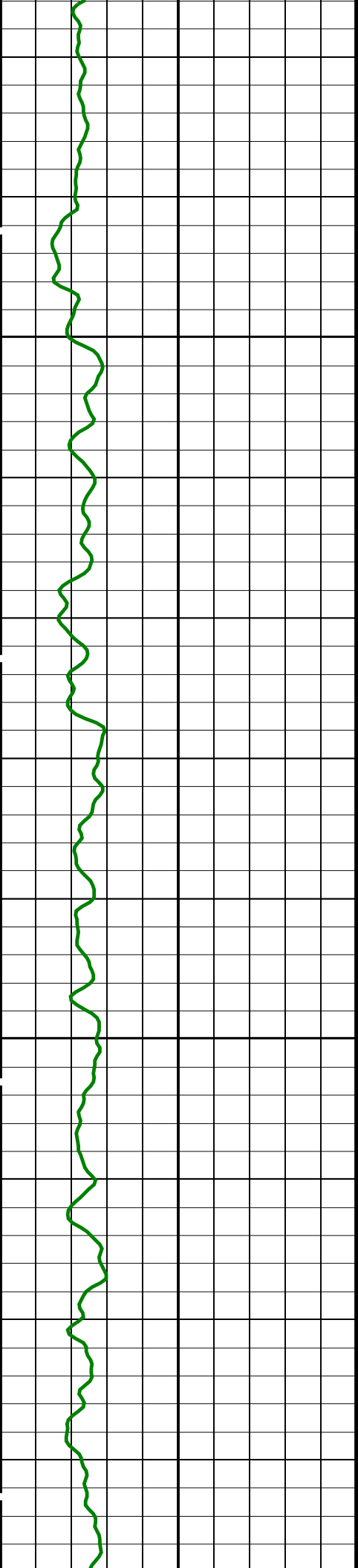
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		-10000	90000
		(PPM)	
		Axial Acceleration (MSSZACC_LDEO)	
		0	20
		(M/S ²)	
HNGS Spectroscopy Gamma Ray (HSGR)	Tension (TENS)		
(GAPI)	(LBF)		
0	0		
150	5000		

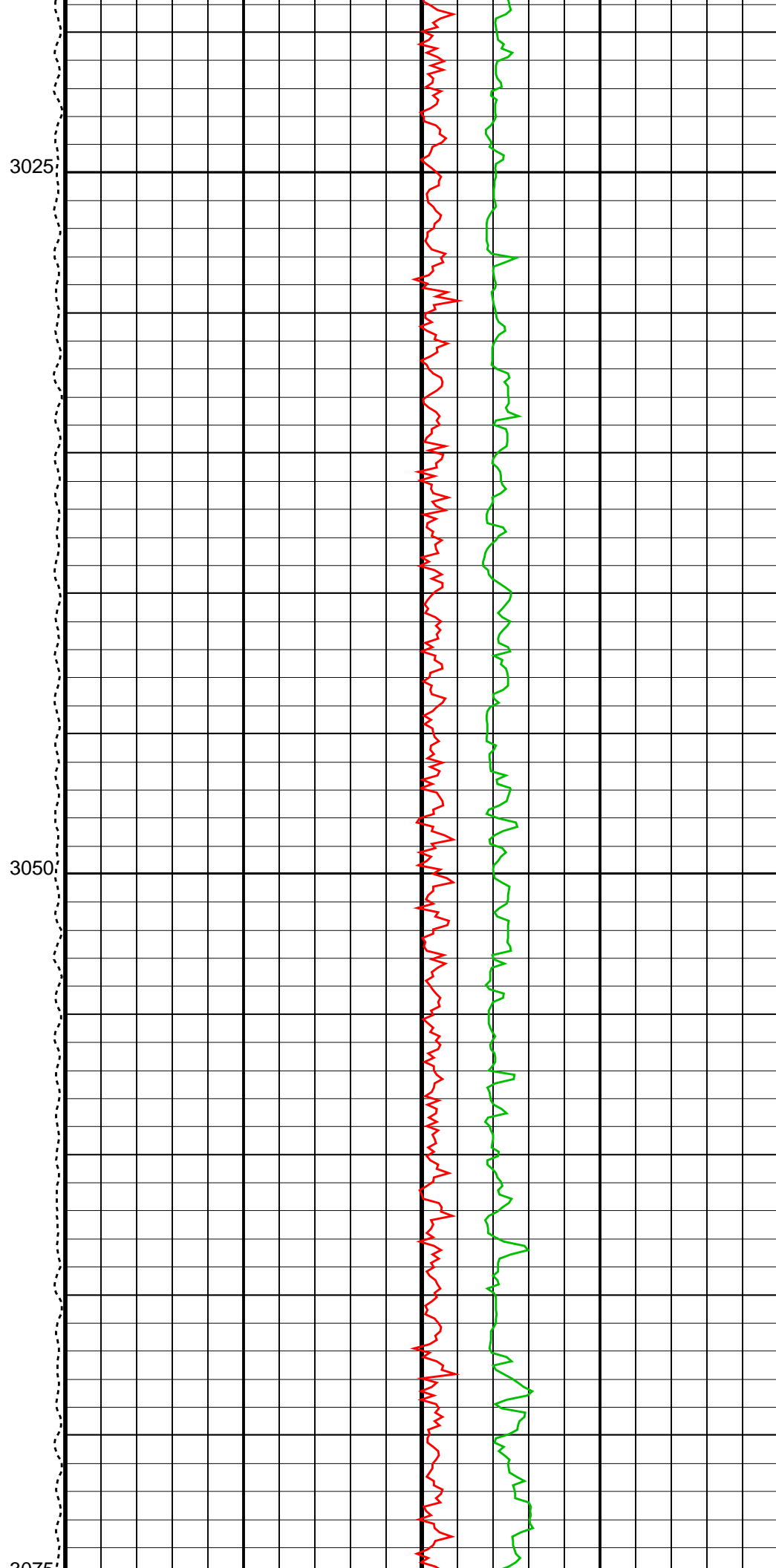
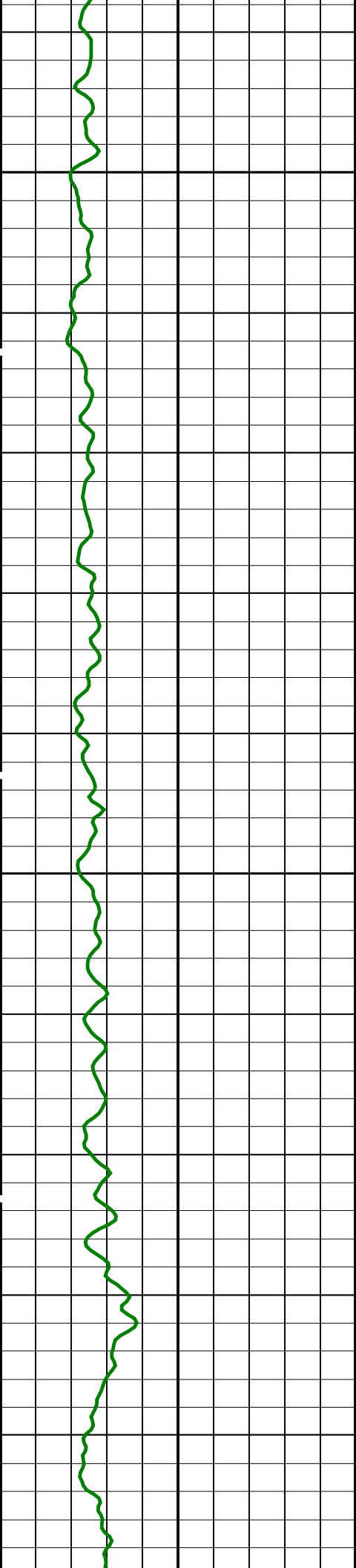


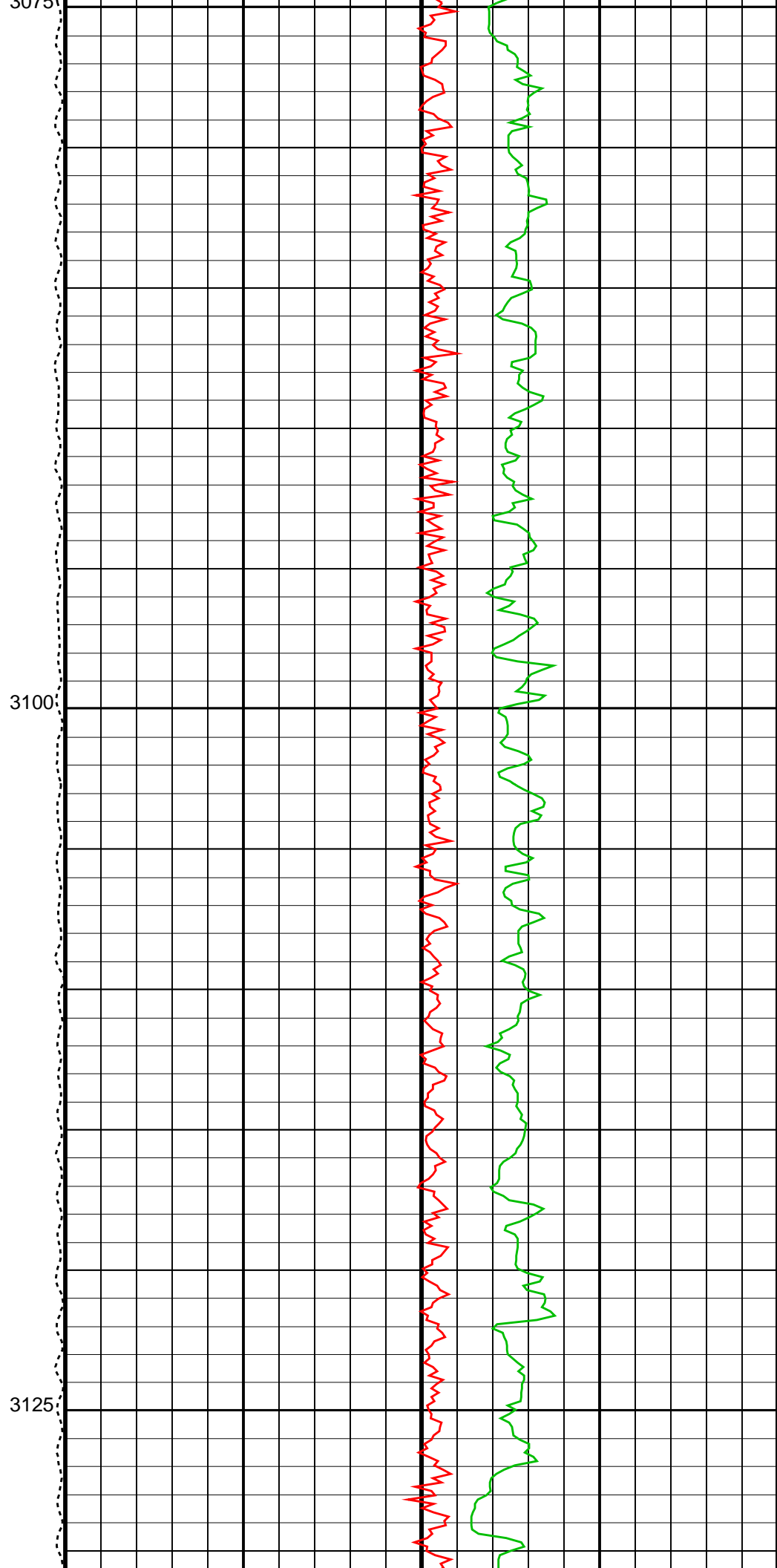
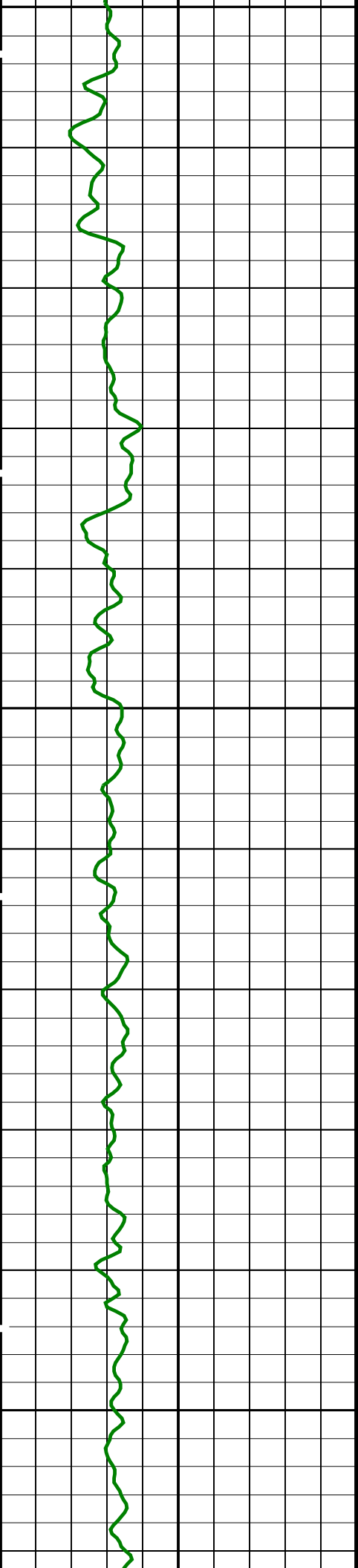


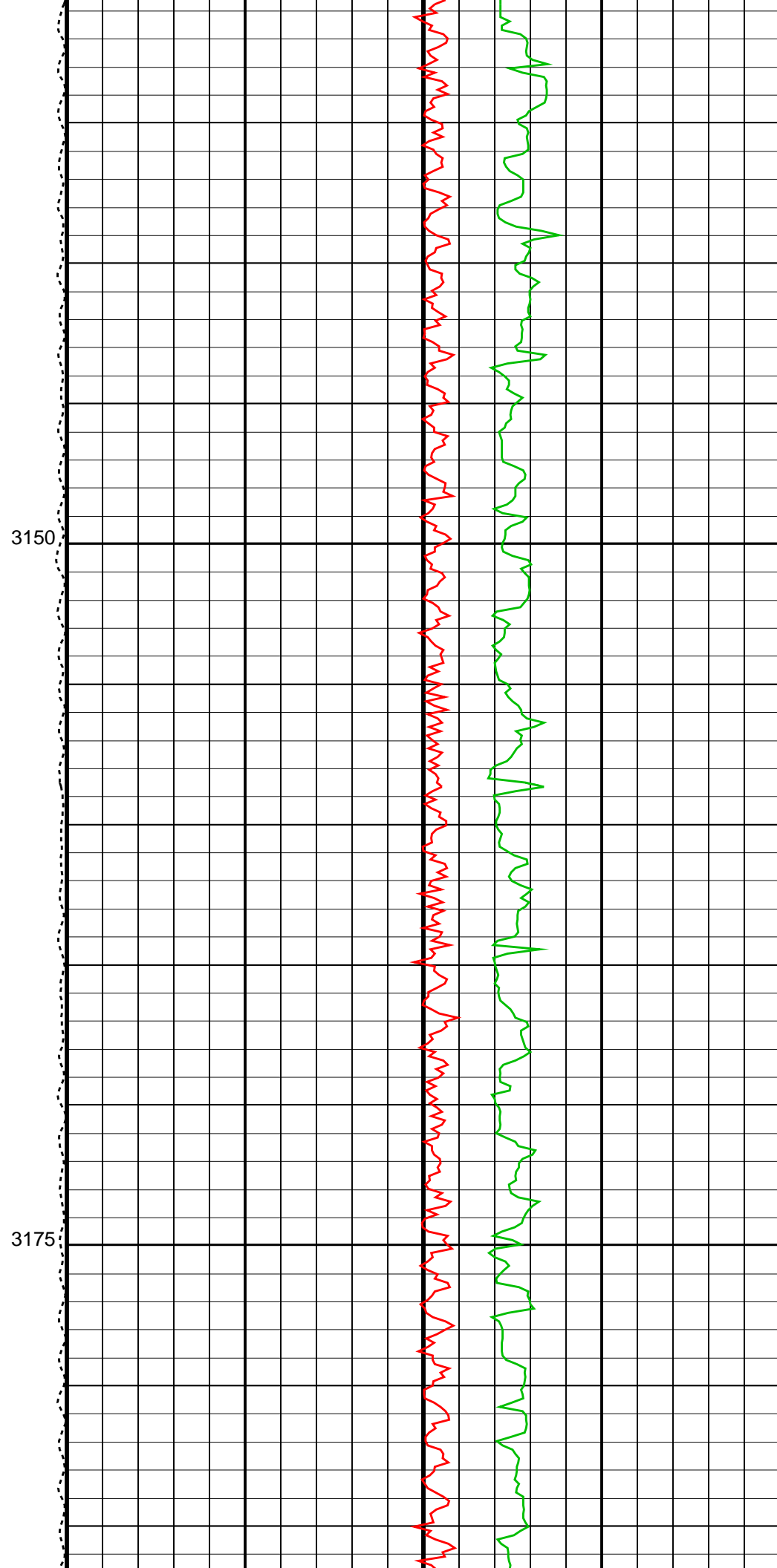
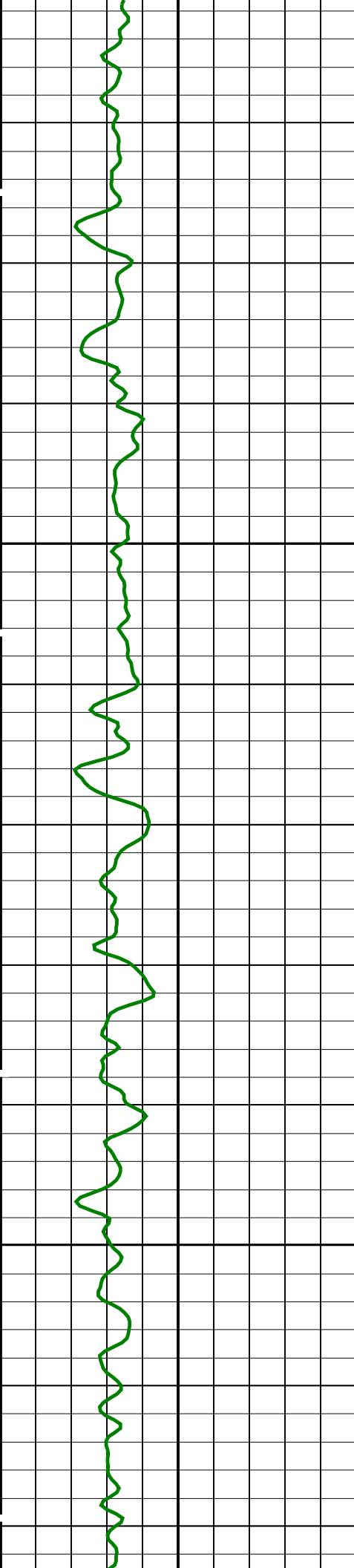


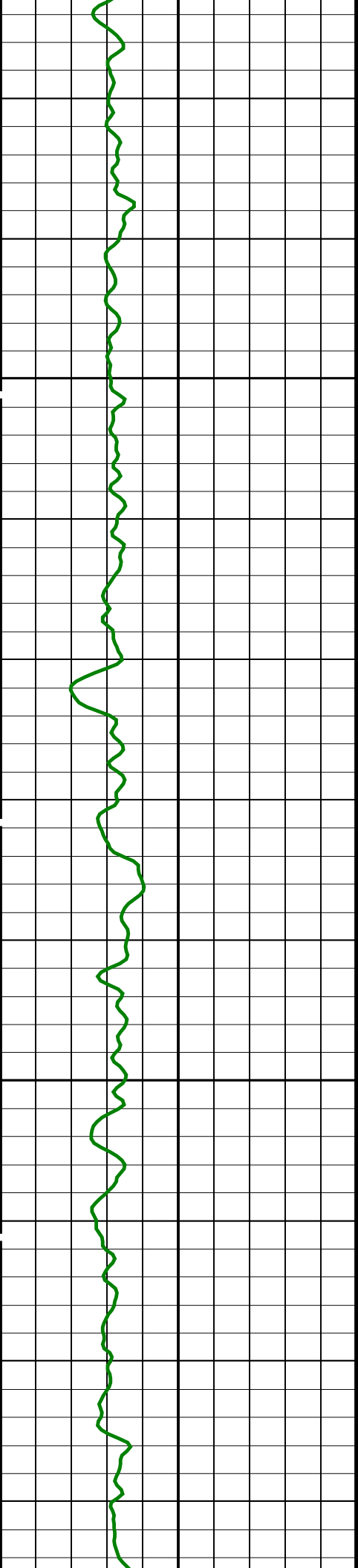






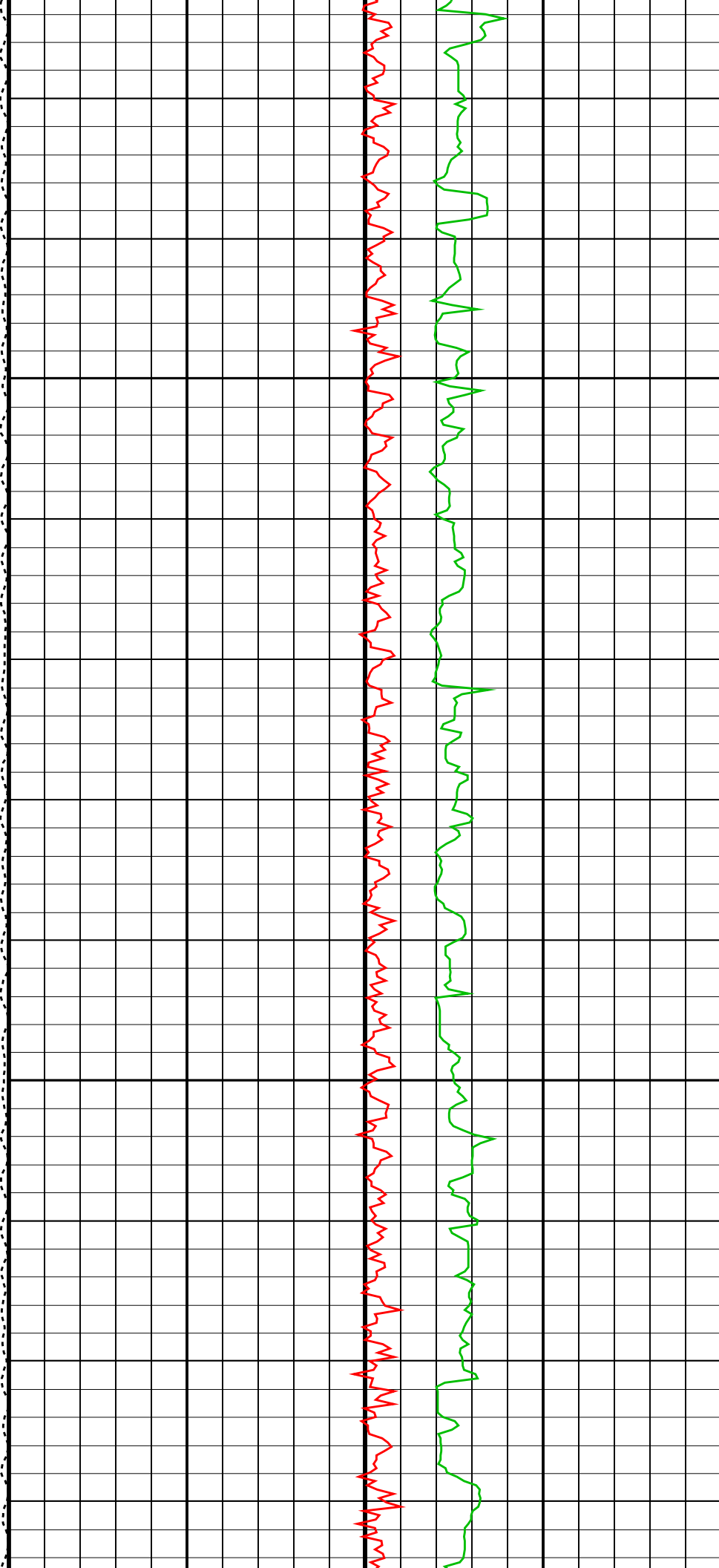


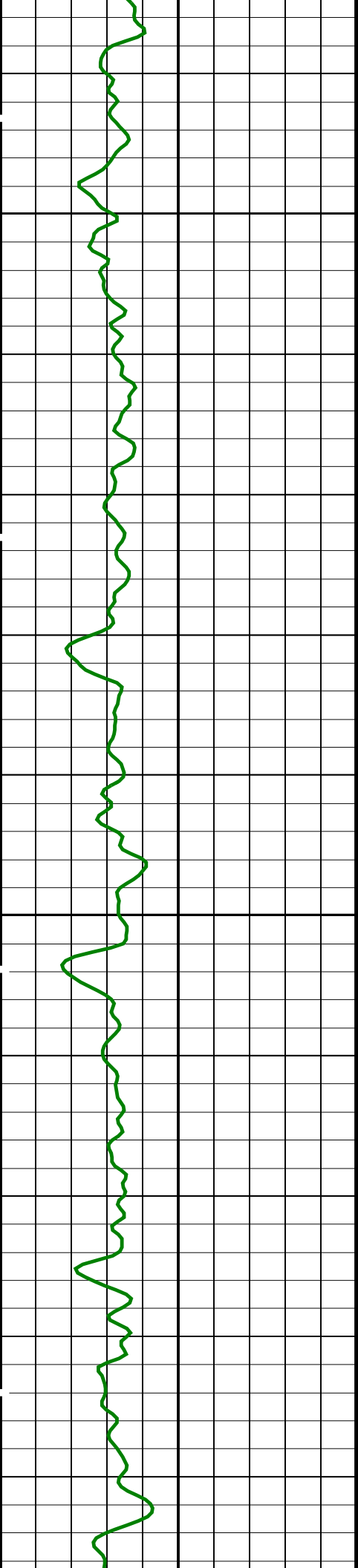




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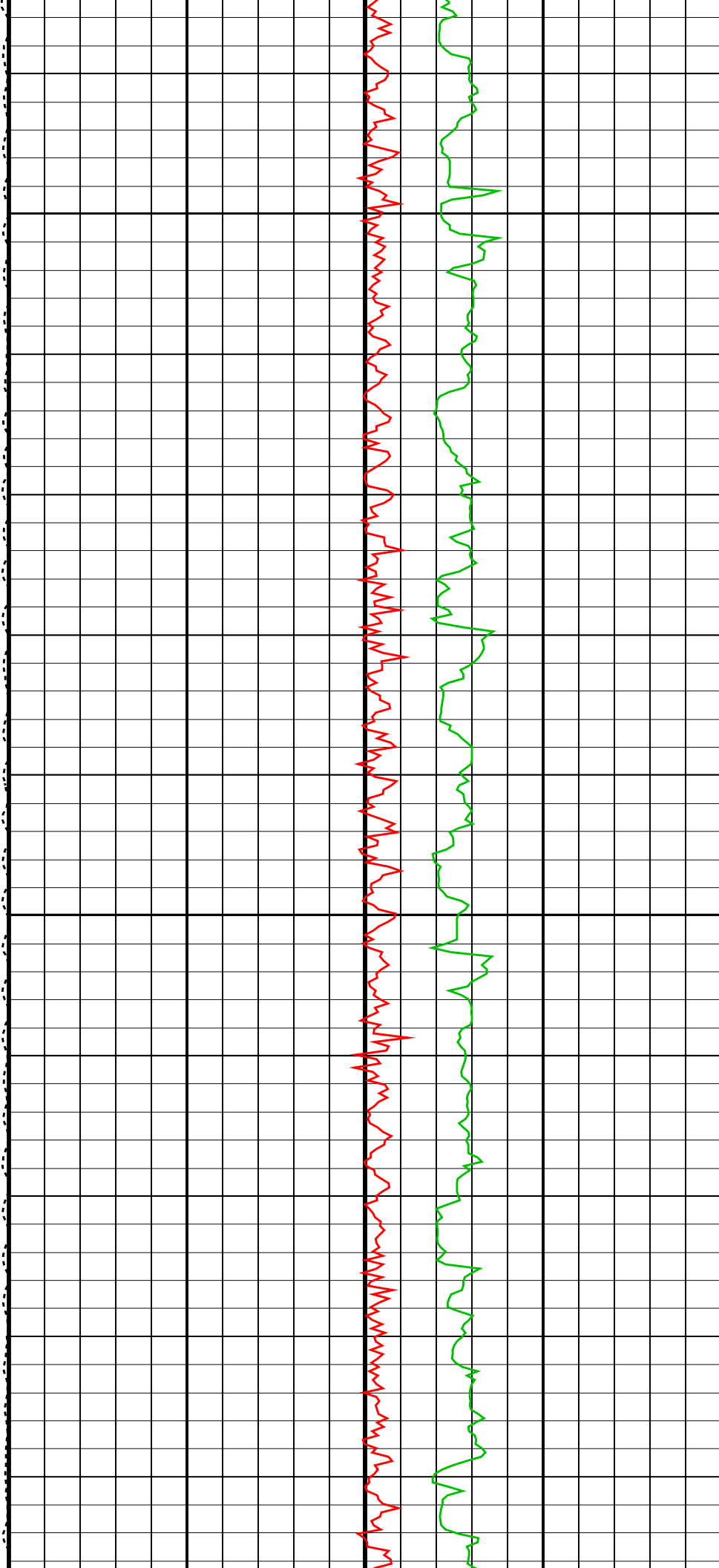
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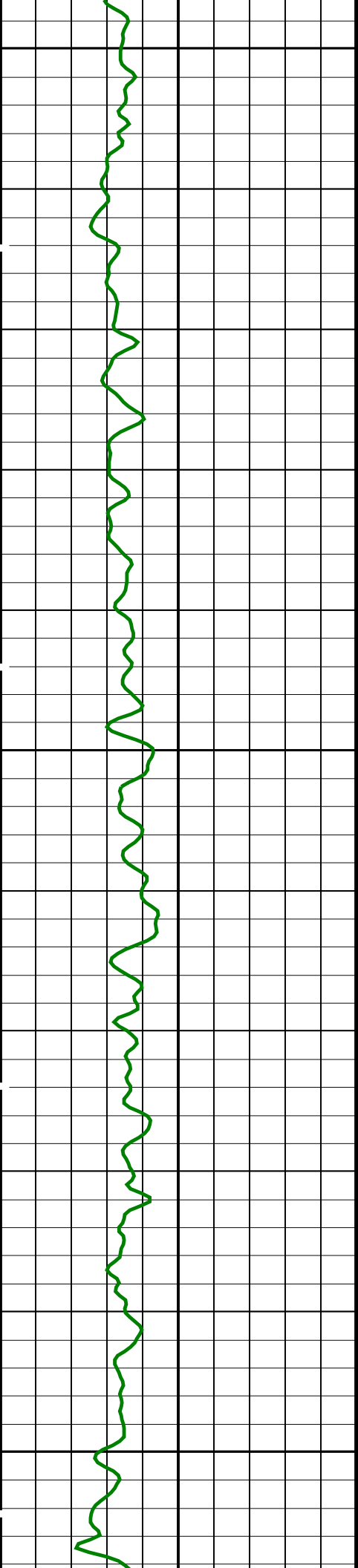




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3275



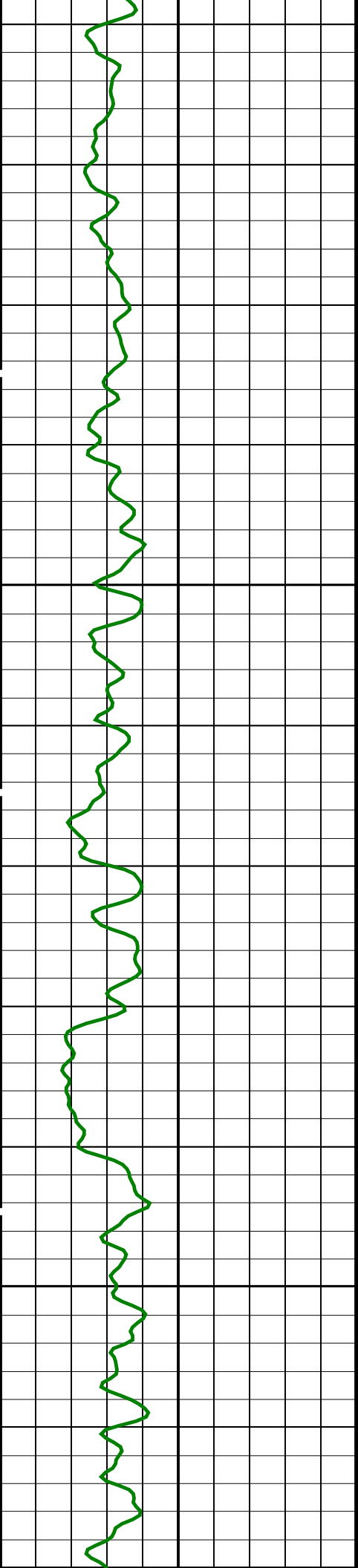


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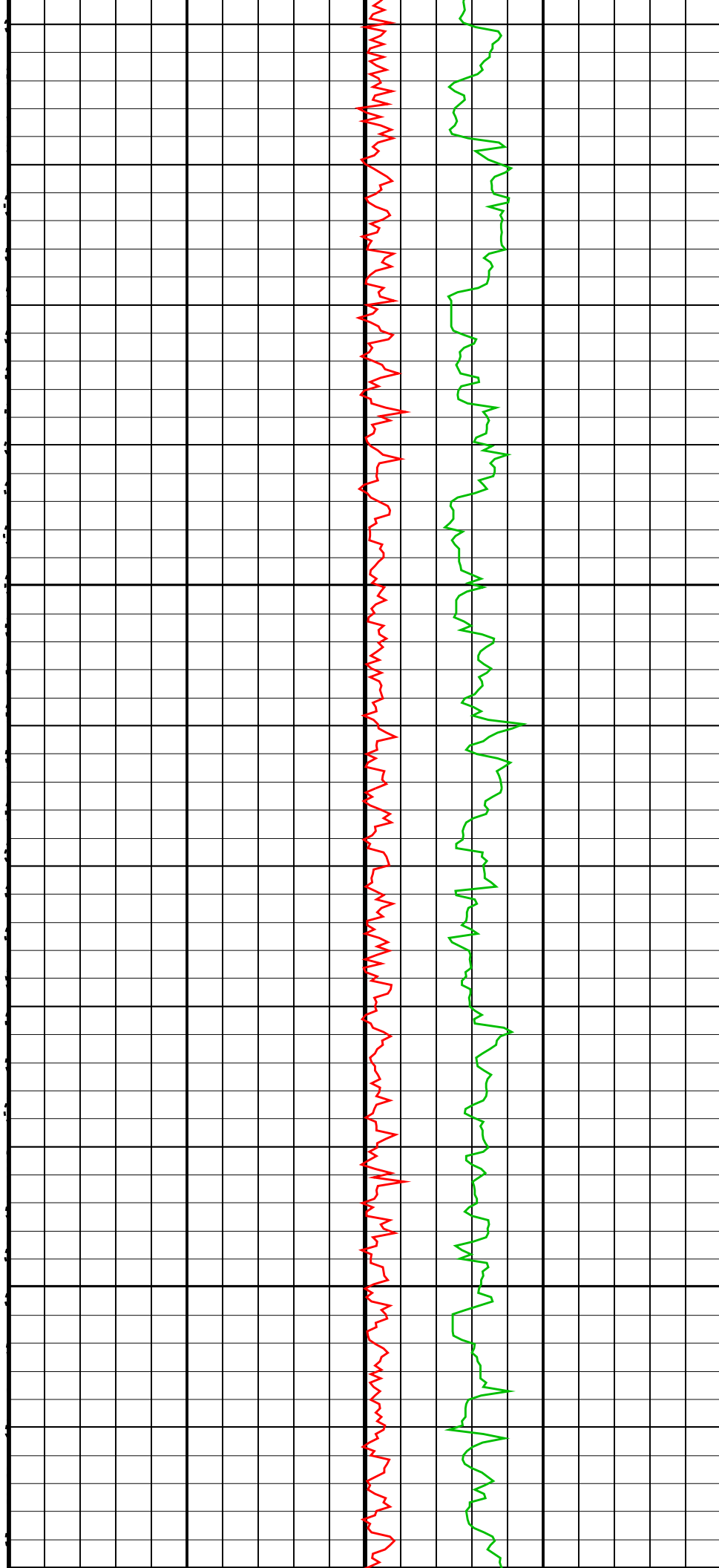
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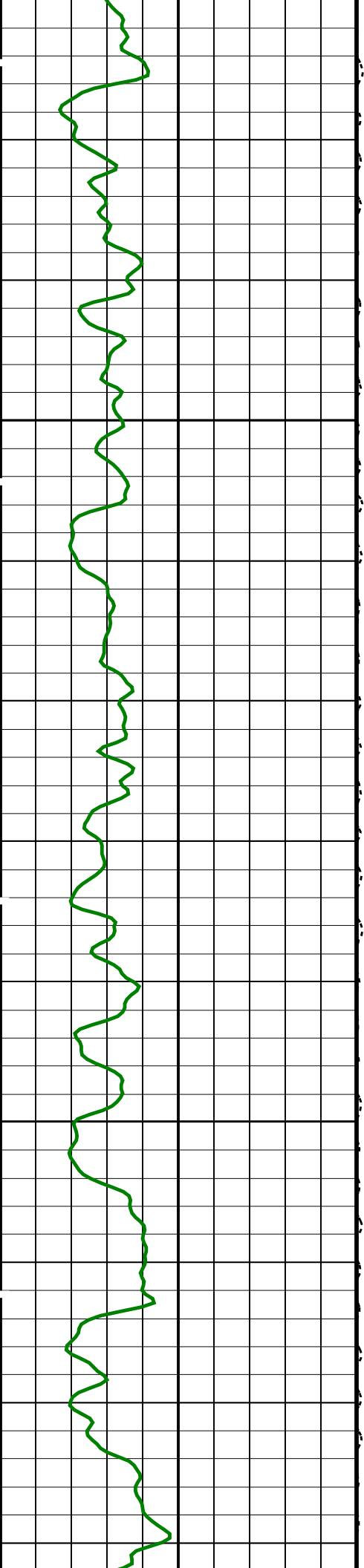




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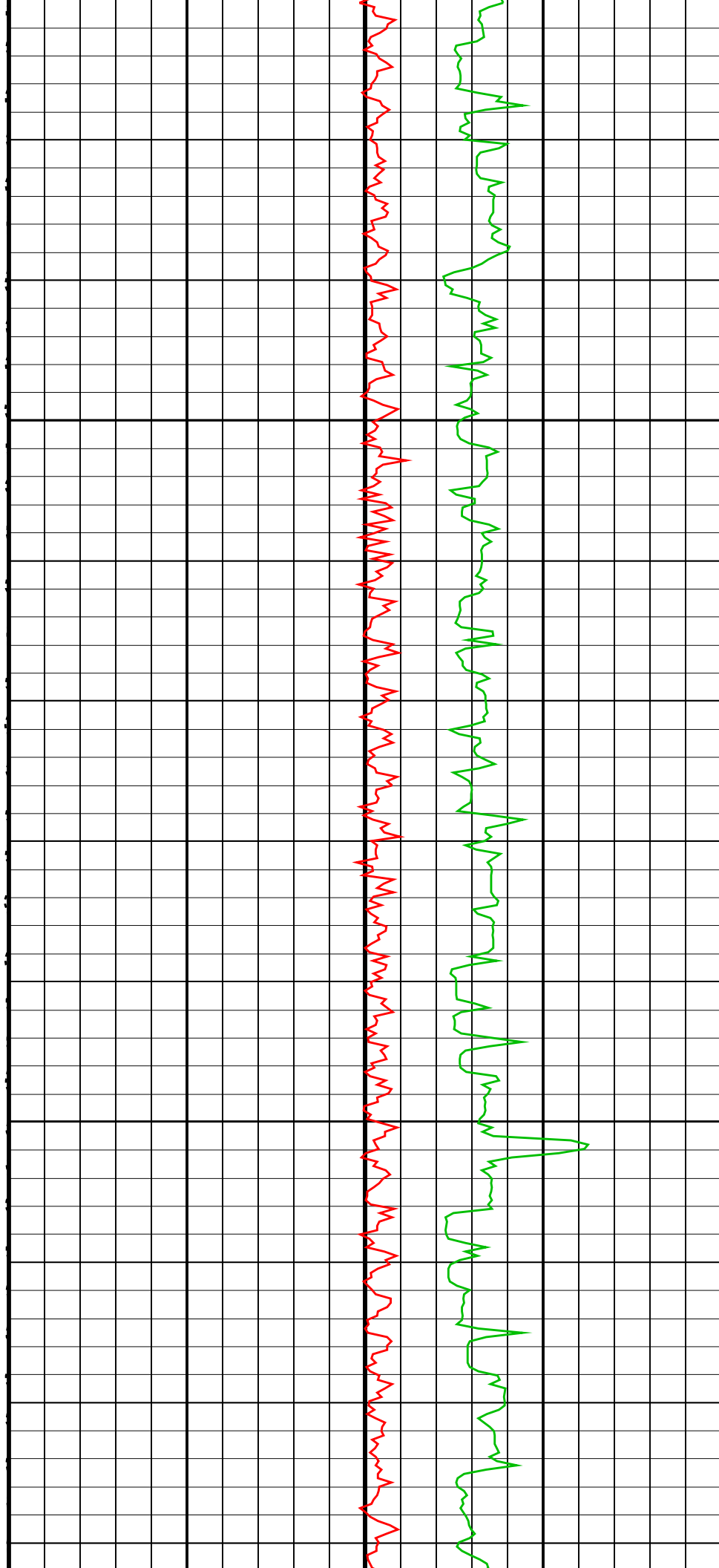
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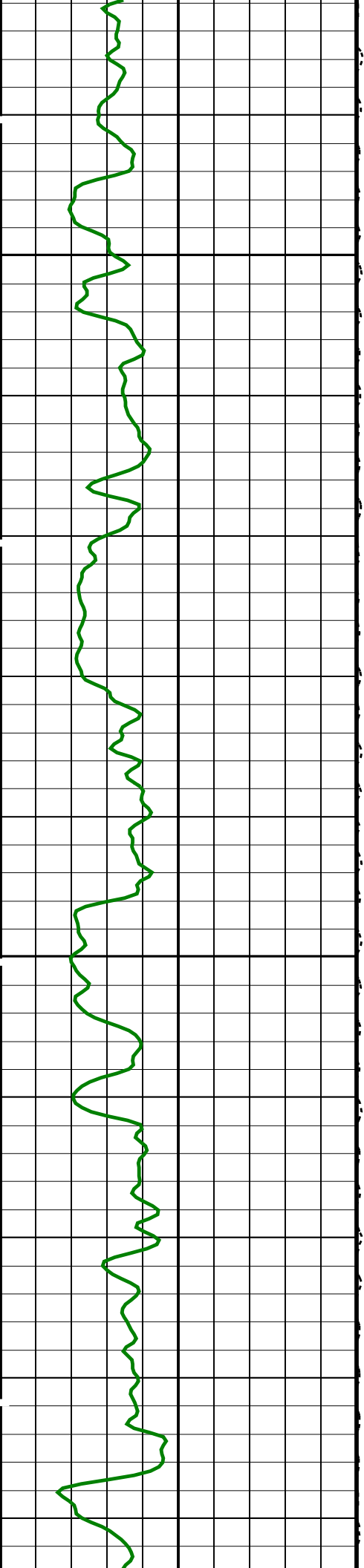




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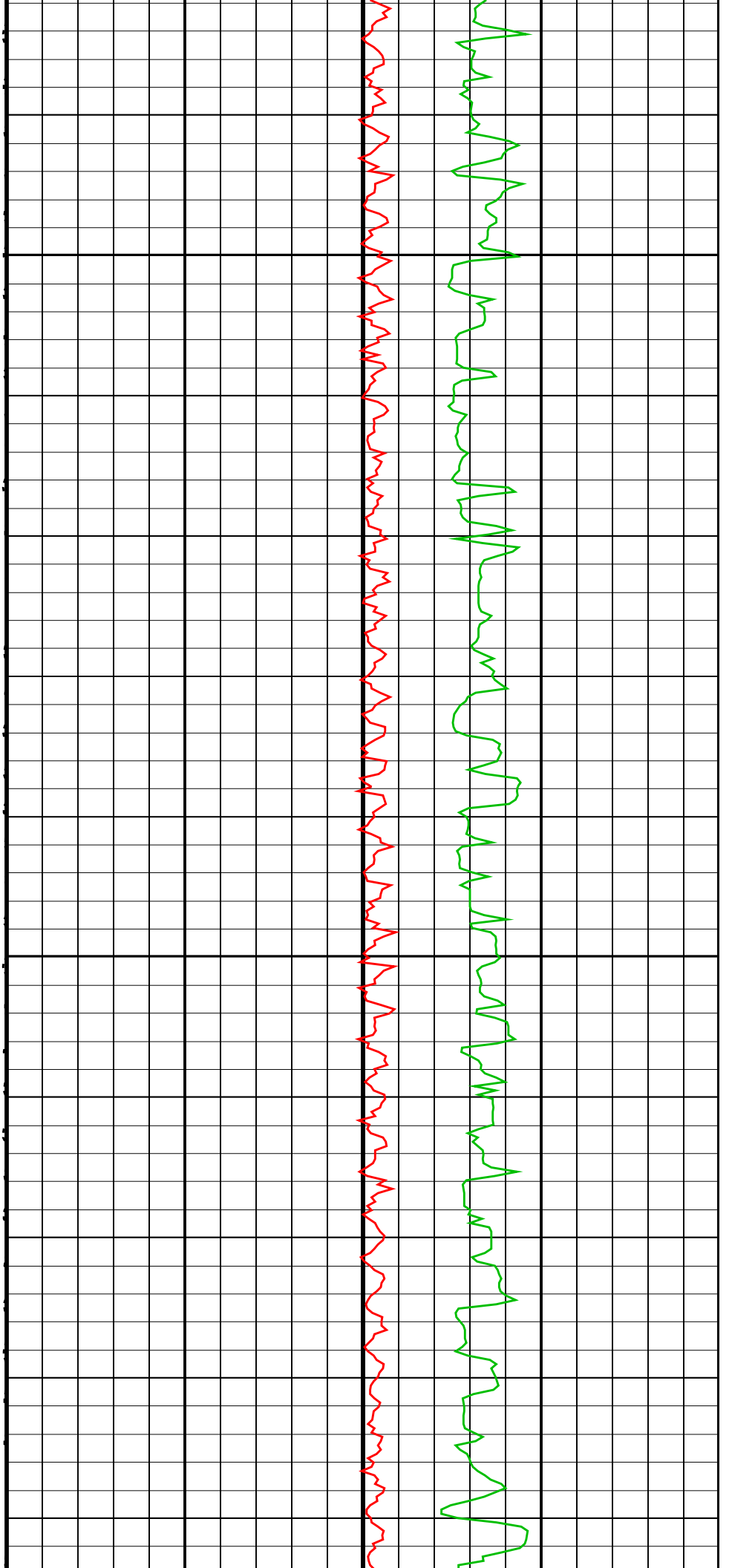
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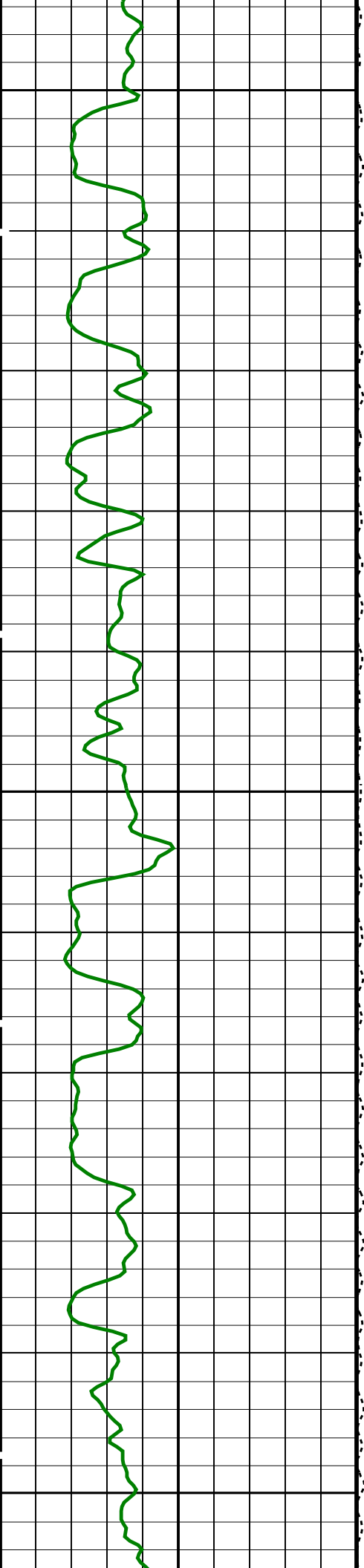




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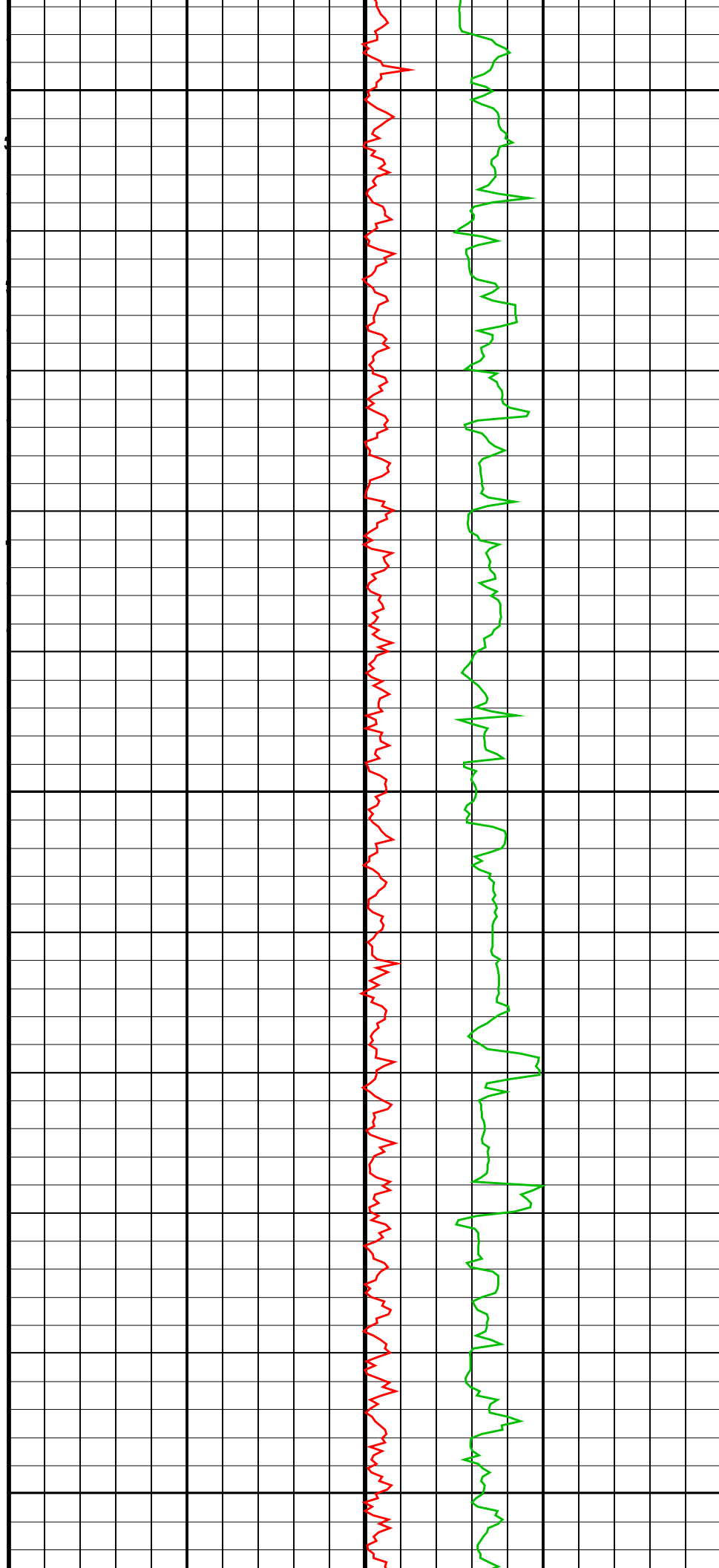


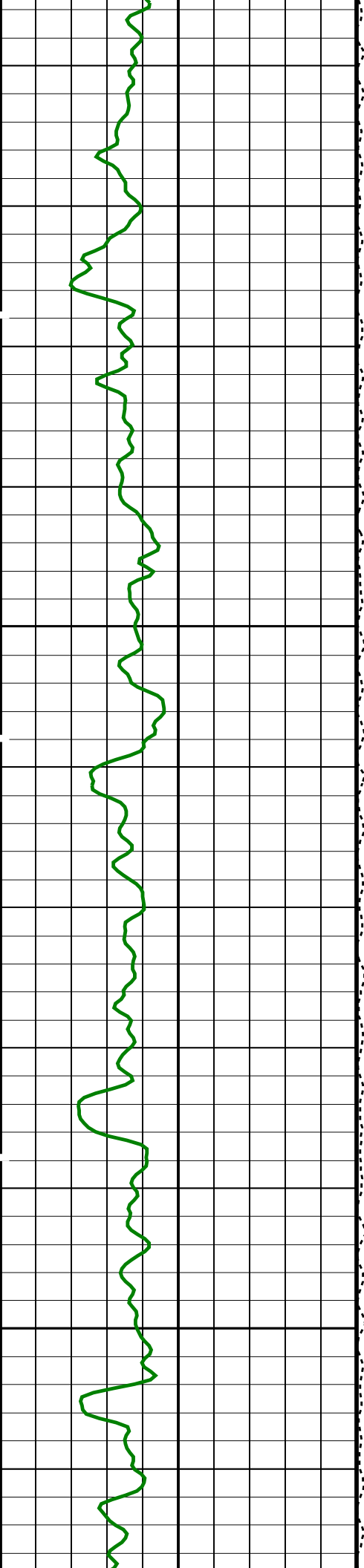


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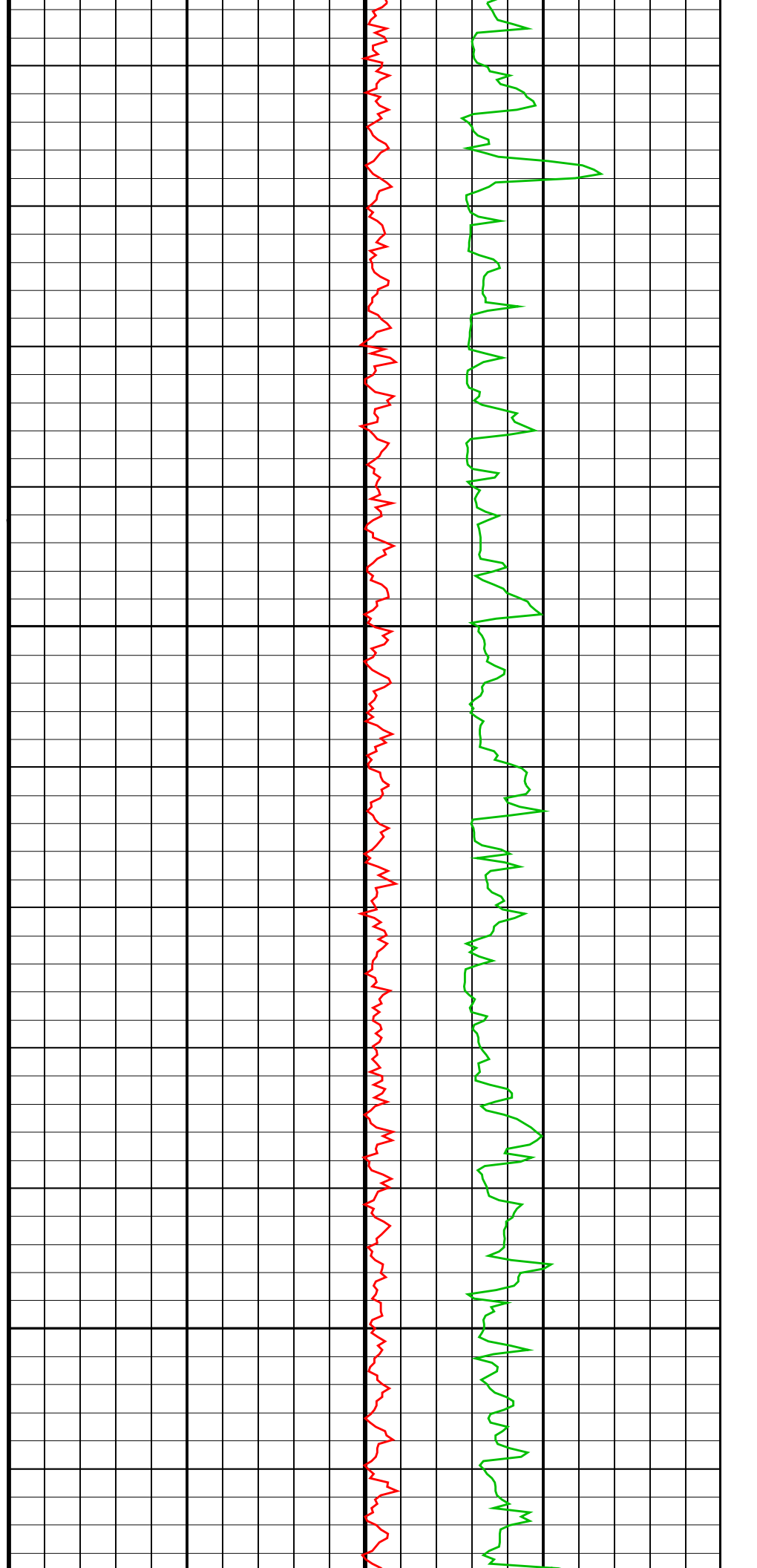
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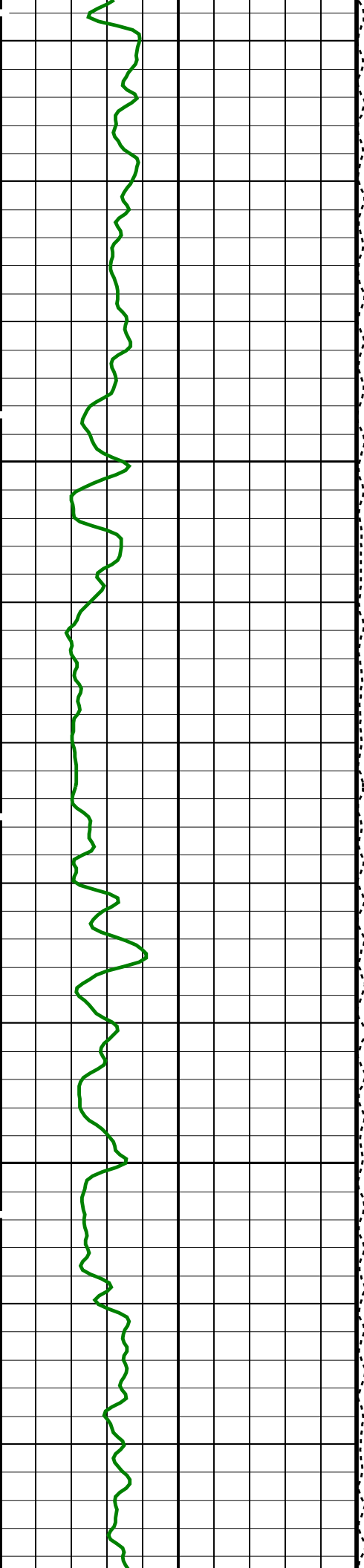




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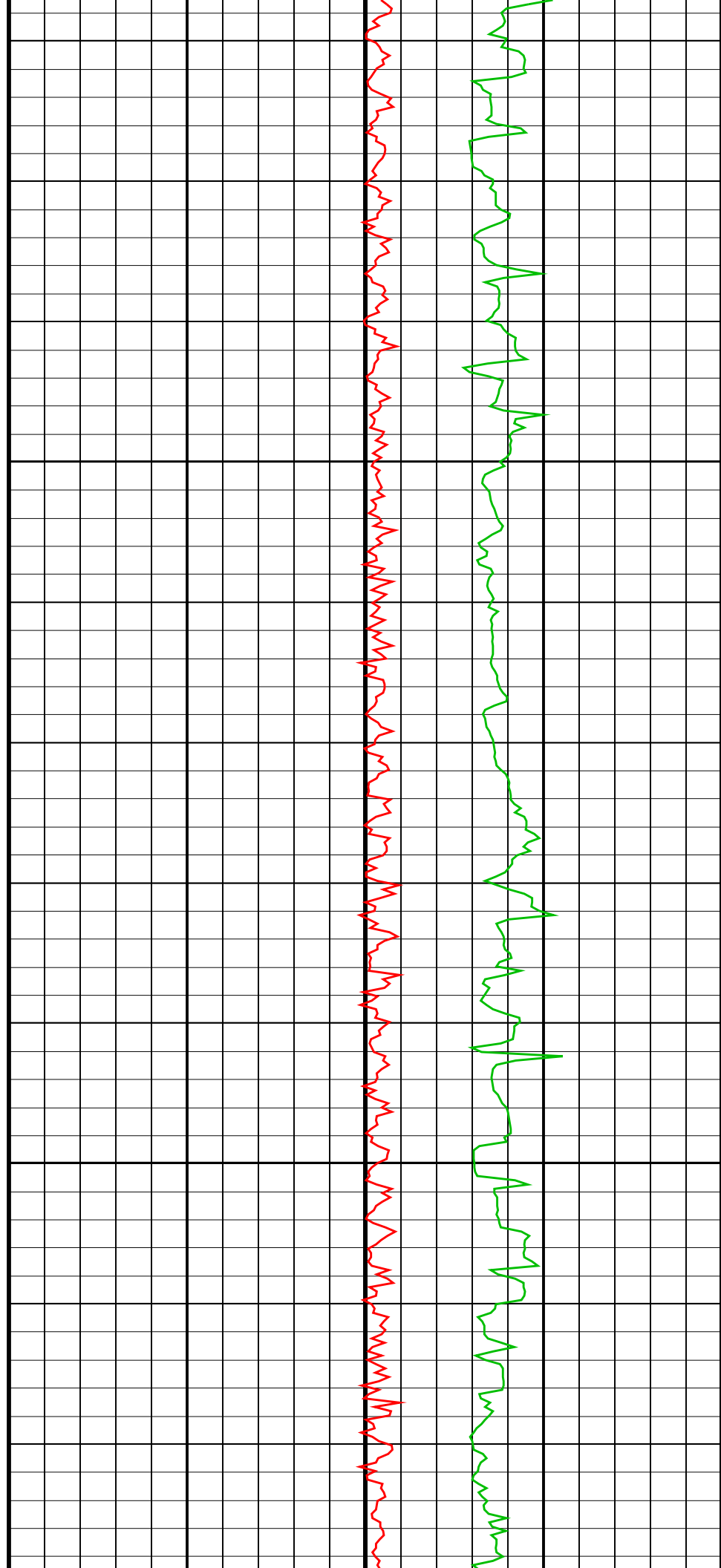
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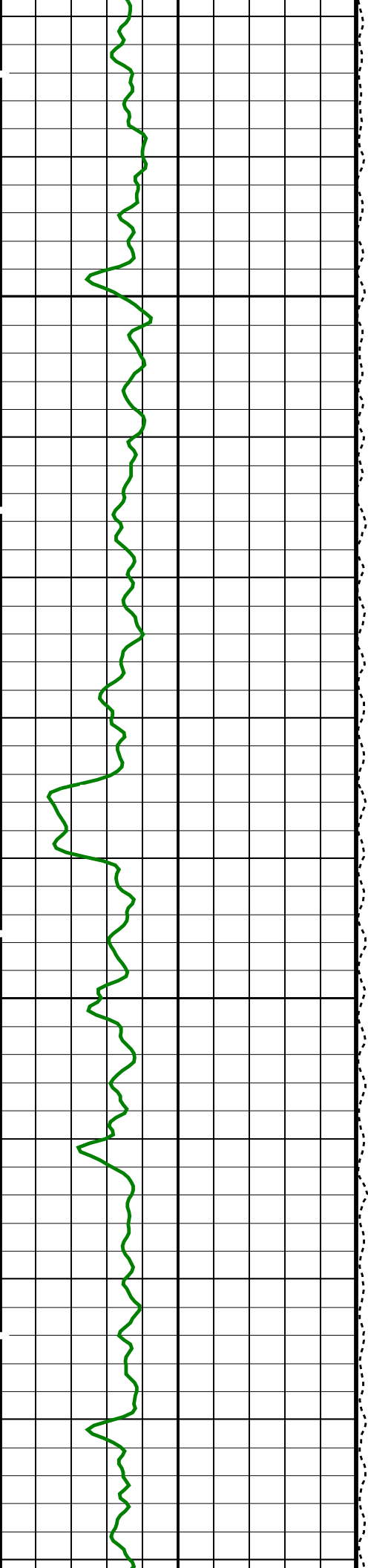




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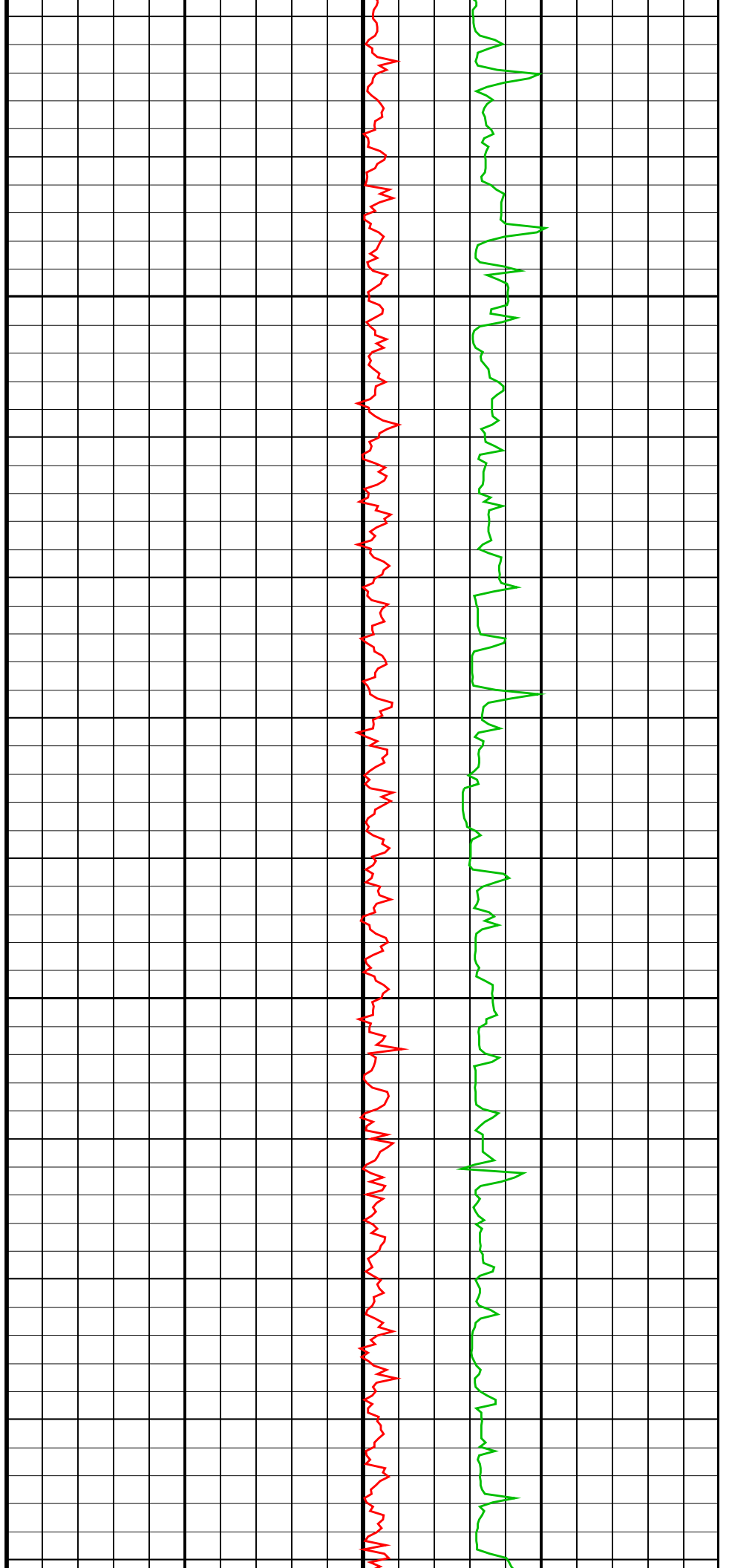
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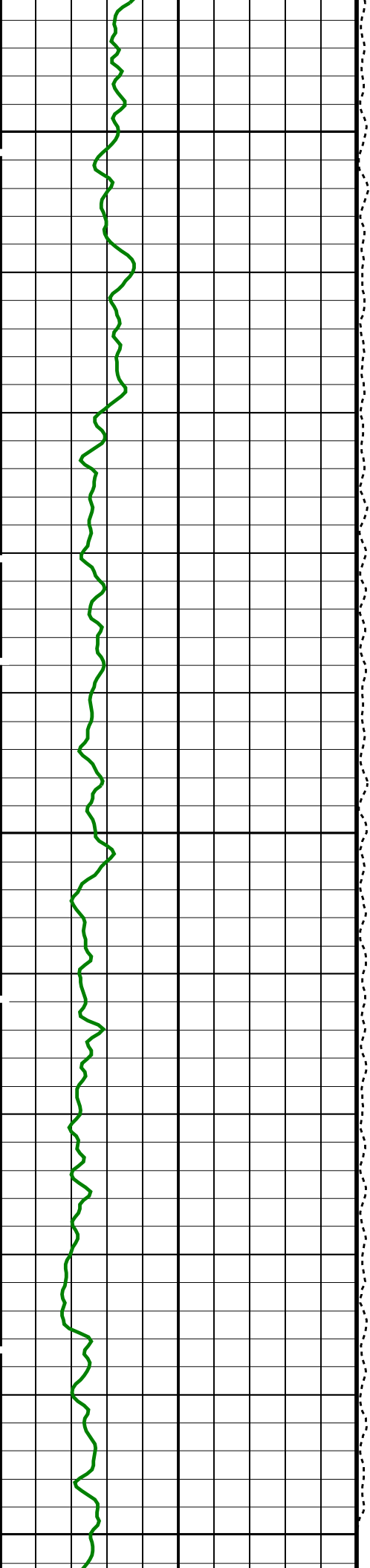




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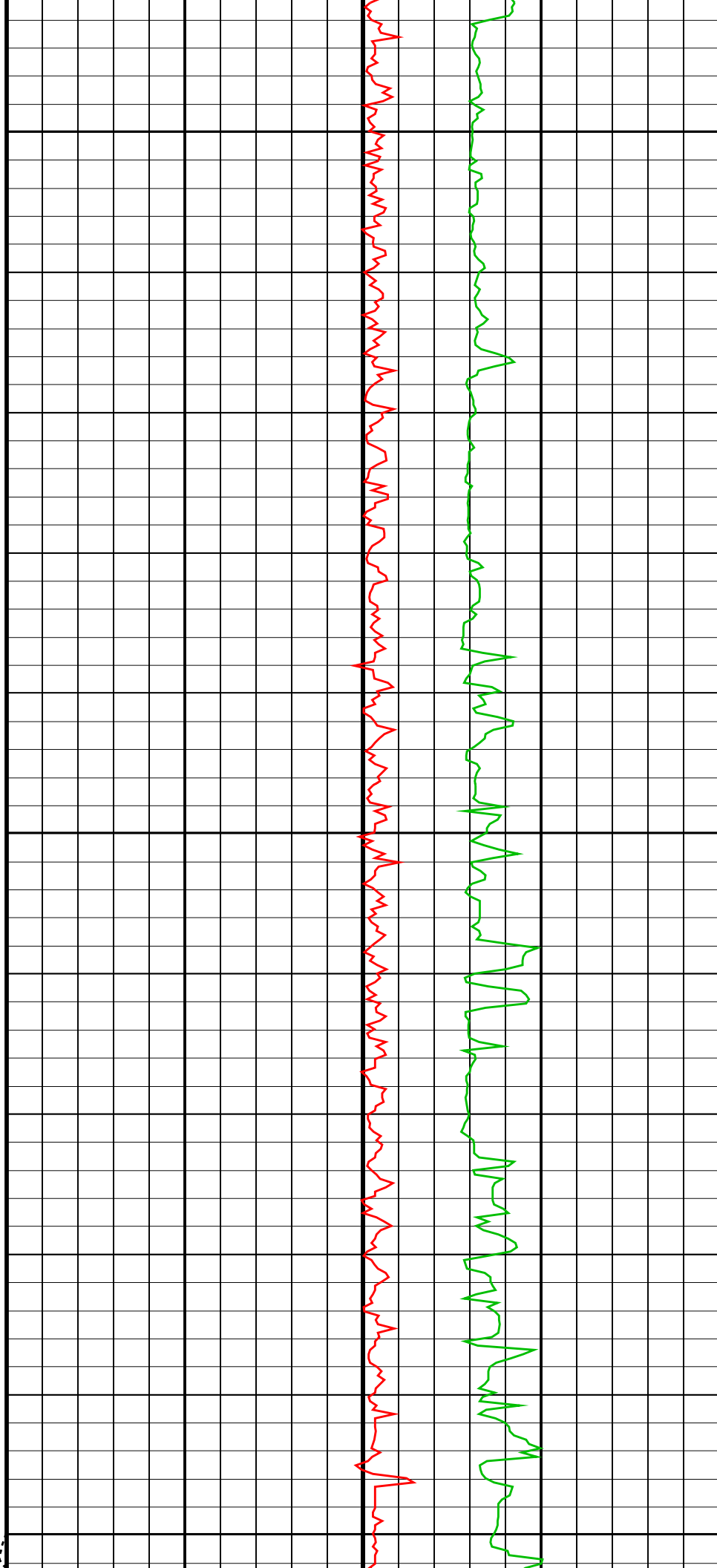


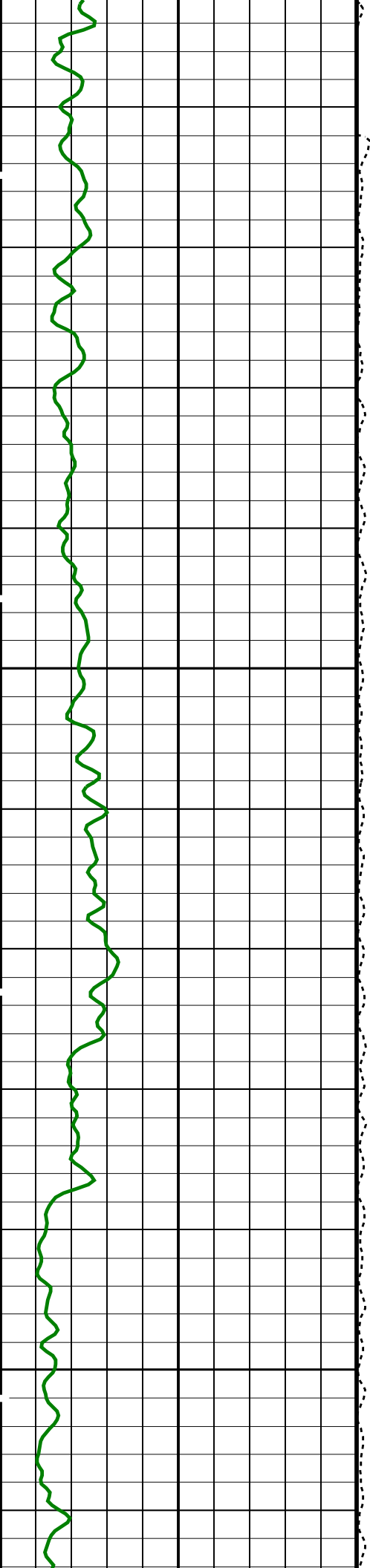


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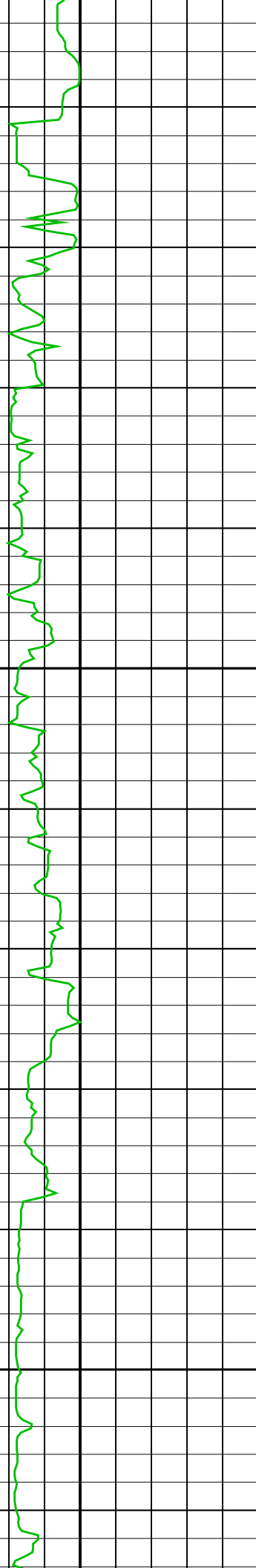
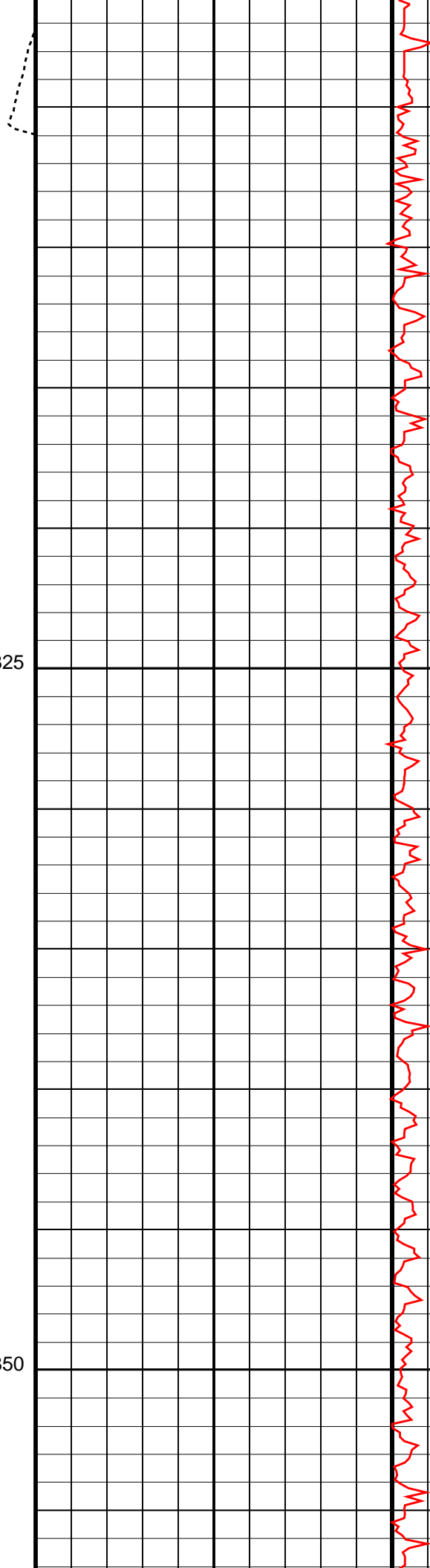
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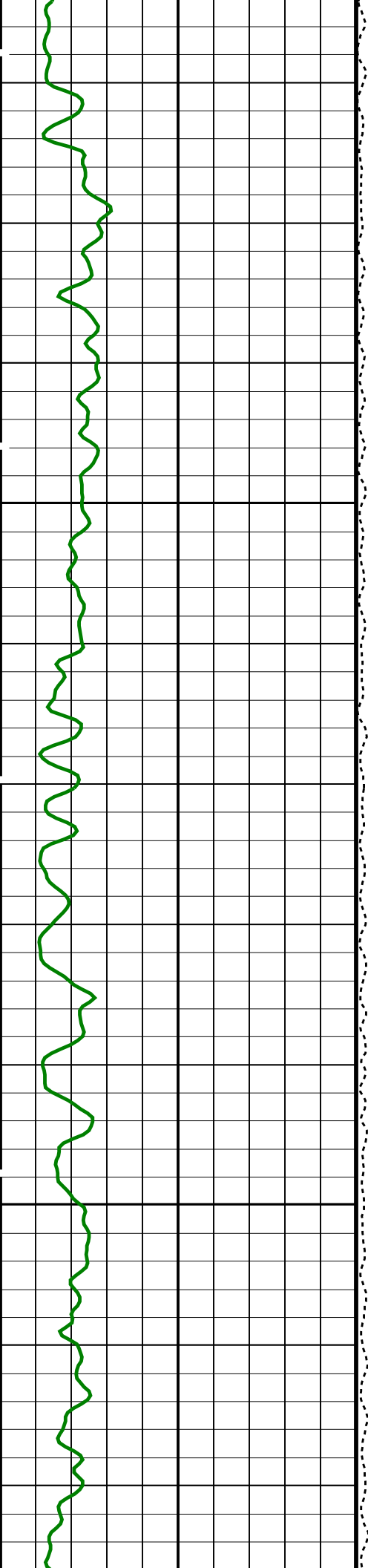




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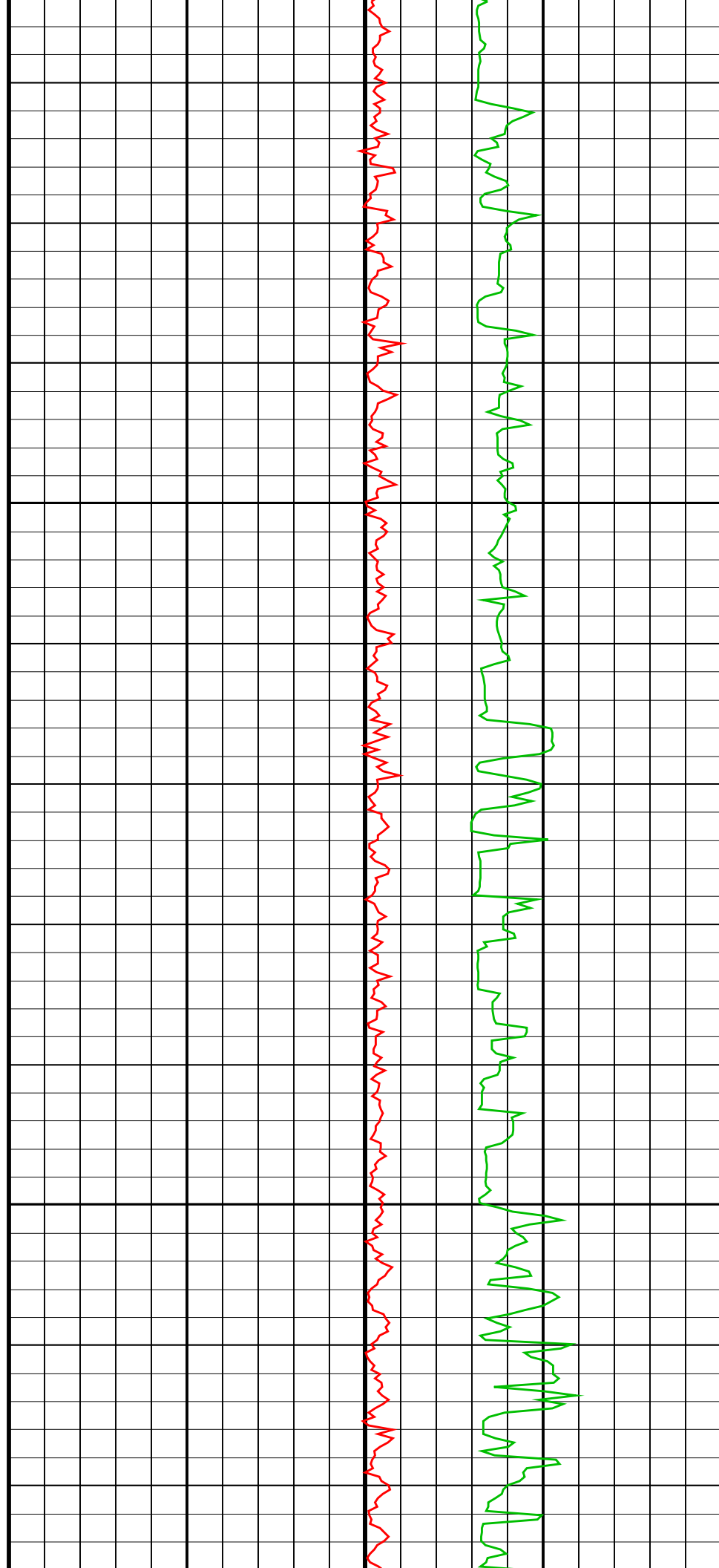
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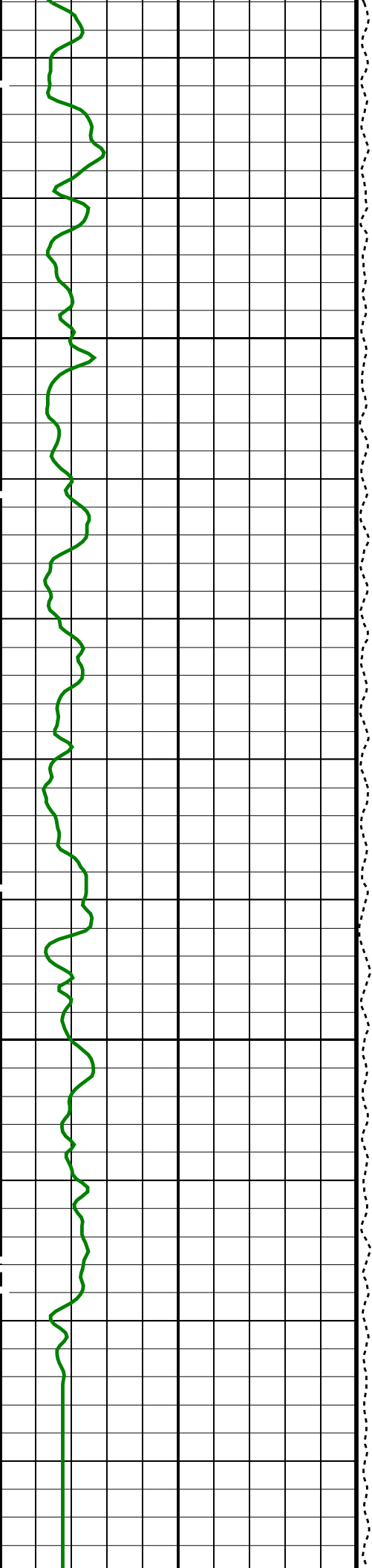




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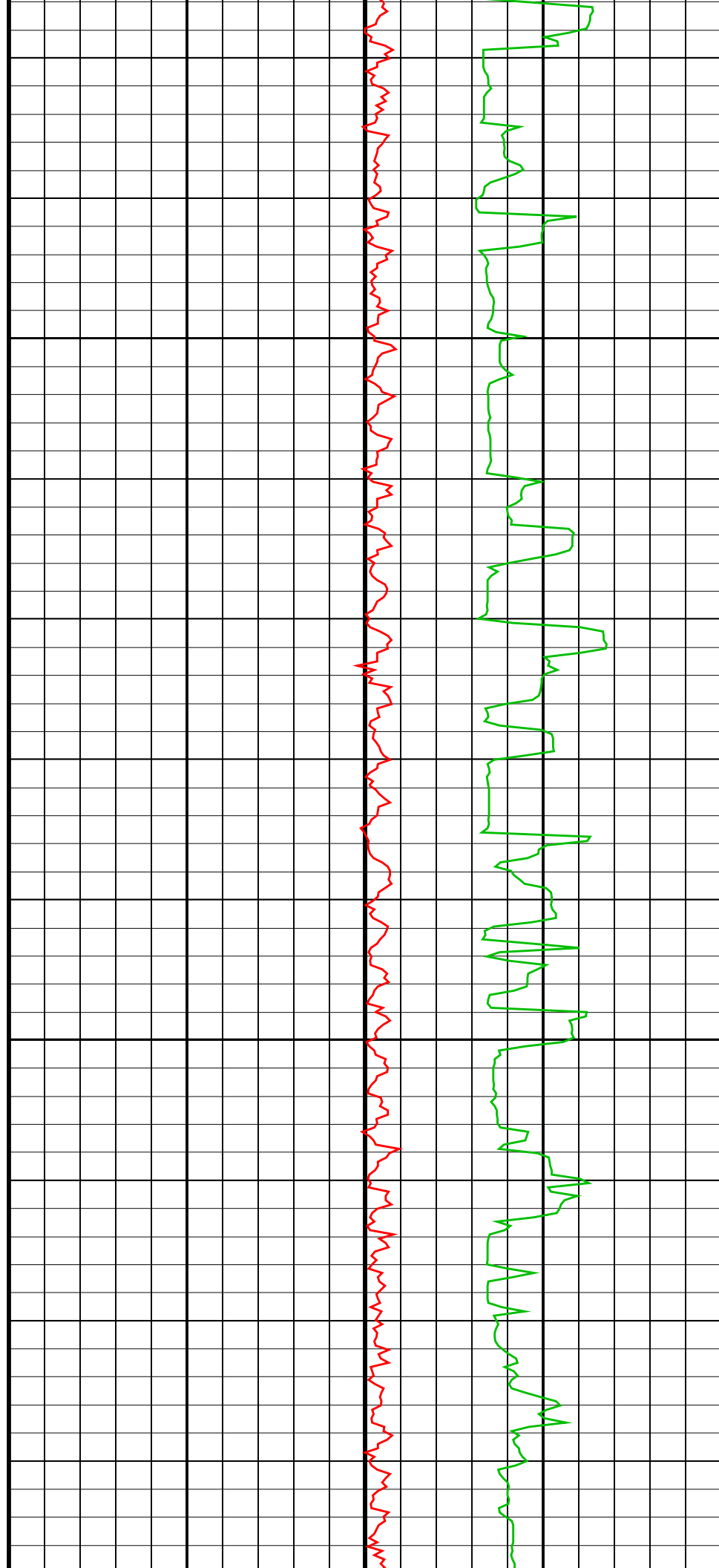
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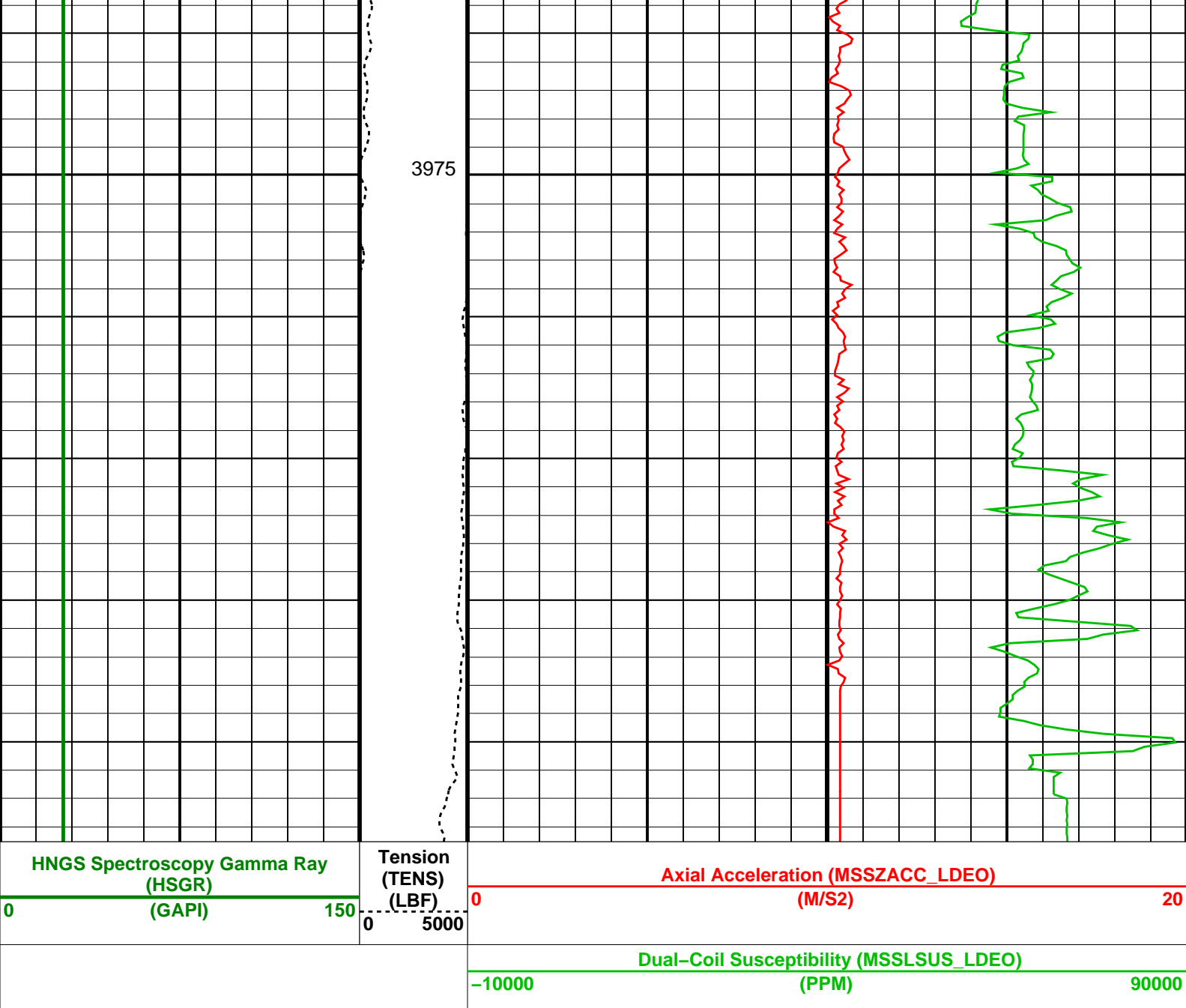




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PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value
BHS	HRLT-B: High Resolution Laterolog Array - B	
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
BHS	APS-C: Accelerator-Porosity Tool	
BHS	Borehole Status	OPEN
GCSE	Generalized Caliper Selection	BS
BHS	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	0.00026747
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	1.01616	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998343	
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: 22-Jul-2023 15:56

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

Input DLIS Files					
DEFAULT	Flip_MSS_LDEO_HRLA_016LUP	PRODUCER	22-Jul-2023 15:55	3998.5 M	2752.3 M
Output DLIS Files					
DEFAULT	MSS_LDEO_HRLA_LDL_017PUP	FN:17	PRODUCER	22-Jul-2023 15:56	
RTB	MSS_LDEO_HRLA_LDL_017PUP	FN:18	PRODUCER	22-Jul-2023 15:56	

Schlumberger

Flipped Downlog

1:200 Scale

MAXIS Field Log

Schlumberger

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: 22-Jul-2023 7:12							
HRLT M0-M1 Voltage Plus – 0	0	N/A	–318.7	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus – 1	0	N/A	–330.3	N/A	N/A	9.681	UV

HRLT M0-M1 Voltage Plus - 2	0	N/A	-338.1	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 3	0	N/A	-328.0	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 4	0	N/A	-319.3	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 5	0	N/A	-320.9	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 6	0	N/A	319.9	N/A	N/A	9.681	UV
HRLT M0-M1 Voltage Plus - 7	0	N/A	-322.7	N/A	N/A	9.681	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M12

Before: 22-Jul-2023 7:12

HRLT M1-M2 Voltage Plus - 0	0	N/A	1737	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 1	0	N/A	1804	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 2	0	N/A	1841	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 3	0	N/A	1787	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 4	0	N/A	1740	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 5	0	N/A	1751	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 6	0	N/A	-1754	N/A	N/A	53.42	UV
HRLT M1-M2 Voltage Plus - 7	0	N/A	1781	N/A	N/A	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT M23

Before: 22-Jul-2023 7:12

HRLT M2-M3 Voltage Plus - 0	0	N/A	1730	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 1	0	N/A	1806	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 2	0	N/A	1845	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 3	0	N/A	1794	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 4	0	N/A	1742	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 5	0	N/A	1754	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1745	N/A	N/A	53.42	UV
HRLT M2-M3 Voltage Plus - 7	0	N/A	1781	N/A	N/A	53.42	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V34

Before: 22-Jul-2023 7:12

HRLT A3-A4 Voltage Plus - 0	0	N/A	68560	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	71450	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	73260	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	71510	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	69390	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	69860	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 6	0	N/A	-68050	N/A	N/A	2100	UV
HRLT A3-A4 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V45

Before: 22-Jul-2023 7:12

HRLT A4-A5 Voltage Plus - 0	0	N/A	68640	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	71660	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	73450	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	71670	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69490	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	69960	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-68250	N/A	N/A	2100	UV
HRLT A4-A5 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT V56

Before: 22-Jul-2023 7:12

HRLT A5-A6 Voltage Plus - 0	0	N/A	68500	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	71510	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	73320	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	71530	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69380	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	69820	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-68110	N/A	N/A	2100	UV
HRLT A5-A6 Voltage Plus - 7	0	N/A	70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VTP

Before: 22-Jul-2023 7:12

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68050	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-71320	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73160	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71450	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69330	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69790	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	67870	N/A	N/A	2100	UV
HRLT Torpedo-M0 Voltage - 7	0	N/A	-70000	N/A	N/A	2100	UV

High Resolution Laterolog Array - B Wellsite Calibration - HRLT VBD

Before: 22-Jul-2023 7:12

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68080	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-71390	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73240	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71510	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69380	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69830	N/A	N/A	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	67960	N/A	N/A	2100	UV

HRLT Source Current Plus – 0	0	N/A	284.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 1	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 2	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 3	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 4	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 5	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 6	0	N/A	281.1	N/A	N/A	8.520	UA
HRLT Source Current Plus – 7	0	N/A	281.1	N/A	N/A	8.520	UA

High Resolution Laterolog Array – B Wellsite Calibration – HRLT MV

Before: 22-Jul-2023 7:12

HRLT Vertical Voltage PI – 0	0	N/A	-320.3	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 1	0	N/A	-324.2	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 2	0	N/A	-330.9	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 3	0	N/A	-319.6	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 4	0	N/A	-308.5	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 5	0	N/A	-325.2	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 6	0	N/A	326.2	N/A	N/A	9.681	UV
HRLT Vertical Voltage PI – 7	0	N/A	-322.7	N/A	N/A	9.681	UV

Hostile Litho–Density Sonde Wellsite Calibration – Background Measurement

Master: Calibration out of date 17-Apr-2023 12:47 Before: 22-Jul-2023 7:15

SS Cs Resolution Bkg	9.000	8.117	8.044	N/A	N/A	1.800	%
LS Cs Resolution Bkg	9.000	7.703	7.652	N/A	N/A	1.800	%
LSW1 Background	100.0	56.06	56.09	N/A	N/A	3.000	CPS
LSW2 Background	100.0	52.18	51.95	N/A	N/A	3.000	CPS
LSW3 Background	200.0	113.2	113.3	N/A	N/A	6.000	CPS
LSW4 Background	250.0	140.7	140.4	N/A	N/A	7.500	CPS
LSW5 Background	600.0	323.9	320.5	N/A	N/A	18.00	CPS
SSW1 Background	100.0	62.70	63.08	N/A	N/A	3.000	CPS
SSW2 Background	200.0	113.3	113.2	N/A	N/A	6.000	CPS
SSW3 Background	500.0	305.6	304.2	N/A	N/A	15.00	CPS
SSW4 Background	270.0	160.0	159.5	N/A	N/A	8.100	CPS
SSW5 Background	200.0	116.0	116.5	N/A	N/A	6.000	CPS

Hostile Litho–Density Sonde Wellsite Calibration – Aluminum Measurement

Master: Calibration out of date 17-Apr-2023 13:31

LSW1 Aluminum	600.0	387.6	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	581.0	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	716.1	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	368.4	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	339.2	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	1927	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	5293	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	7493	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3144	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	382.9	N/A	N/A	N/A	N/A	CPS

Hostile Litho–Density Sonde Wellsite Calibration – Lithology Measurement

Master: Calibration out of date 17-Apr-2023 13:24

LSW1 Iron	400.0	270.0	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	475.4	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	645.5	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	340.5	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	315.7	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1447	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	4494	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	6946	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	2923	N/A	N/A	N/A	N/A	CPS
SSW5 Iron	580.0	346.5	N/A	N/A	N/A	N/A	CPS

Hostile Litho–Density Sonde Wellsite Calibration – Caliper Calibration

Before: Calibration out of date 17-Apr-2023 14:20

HLDS Caliper Small Ring	12.00	N/A	14.49	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	18.00	N/A	N/A	N/A	IN

Accelerator–Porosity Tool Wellsite Calibration – Detector Background

Master: 19-May-2023 15:17 Before: 22-Jul-2023 7:15

Near Det Bkg Cntrate	30.00	27.70	31.24	N/A	N/A	N/A	CPS
Far Det Bkg Cntrate	30.00	31.86	31.08	N/A	N/A	N/A	CPS
Array–1 Det Bkg Cntrate	30.00	26.10	24.94	N/A	N/A	N/A	CPS
Array–2 Det Bkg Cntrate	30.00	27.05	25.65	N/A	N/A	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	26.75	24.75	N/A	N/A	N/A	CPS

Accelerator–Porosity Tool Wellsite Calibration – Calibration Ratios







Master: 19-May-2023 15:17

Near/Far Calibration Ratio	0.9250	0.9996	N/A	N/A	N/A	N/A	
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






Near/Array Calibration Ratio	1.030	1.120	N/A	N/A	N/A	N/A	
Near/Array Cal Ratio Up/Down	1.000	1.011	N/A	N/A	N/A	N/A	
Accelerator–Porosity Tool Wellsite Calibration – Tank Check							
Master: 19–May–2023 15:17							
Array–1 Standoff Porosity	11.75	11.62	N/A	N/A	N/A	N/A	PU
Array–2 Standoff Porosity	11.75	11.26	N/A	N/A	N/A	N/A	PU
Average Slowing Down Time	6.000	5.869	N/A	N/A	N/A	N/A	US
Array–1 SDT Ratio Up/Down	1.000	0.9844	N/A	N/A	N/A	N/A	
Array–2 SDT Ratio Up/Down	1.000	0.9815	N/A	N/A	N/A	N/A	
Sigma Formation	27.50	28.19	N/A	N/A	N/A	N/A	CU
Accelerator–Porosity Tool Wellsite Calibration – CCR7 signal boxes							
Master: 19–May–2023 14:36							
Near Detector Plateau Setting	1650	1744	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2065	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1964	N/A	N/A	N/A	N/A	V
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: Calibration out of date 18–Apr–2023 21:32 Before: 22–Jul–2023 7:16							
Na 511 Peak Loc	40.00	38.77	39.67	N/A	N/A	1.000	
Na 511 Peak Res	15.50	16.72	15.07	N/A	N/A	2.000	%
High Voltage	1150	1244	1185	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	138.9	143.5	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	9.548	8.241	N/A	N/A	2.000	%
Temperature	15.50	25.51	15.42	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	47.77	45.19	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: Calibration out of date 18–Apr–2023 21:32 Before: 22–Jul–2023 7:16							
Na 511 Peak Loc	40.00	40.77	39.59	N/A	N/A	1.000	
Na 511 Peak Res	15.50	15.42	16.31	N/A	N/A	2.000	%
High Voltage	1150	1160	1069	N/A	N/A	N/A	V
Na 1785 Peak Loc	142.6	144.4	142.8	N/A	N/A	7.000	
Na 1785 Peak Res	8.500	8.555	8.443	N/A	N/A	2.000	%
Temperature	15.50	26.63	14.87	N/A	N/A	N/A	DEGC
Na Count Rate	45.00	48.78	45.20	N/A	N/A	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: Calibration out of date 18–Apr–2023 21:32 Before: 22–Jul–2023 7:16							
Coincidence Count Rate Ratio	1.000	0.9755	1.000	N/A	N/A	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 22–Jul–2023 7:20							
EDTC Z–Axis Acceleration	9.810	N/A	9.827	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 22–Jul–2023 7:14							
Gamma Ray (Jig – Bkg)	168.1	N/A	168.1	N/A	N/A	15.28	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	N/A	N/A	15.00	GAPI
Accelerator–Porosity Tool – Detector Plateau Settings :							
Near Detector Plateau Setting	1744 V						
Far Detector Plateau Setting	2065 V						
Array Detector Plateau Setting	1964 V						

High Resolution Laterolog Array – B / Equipment Identification		
Primary Equipment:		
HRLT Sonde	HRLS – B	969
Auxiliary Equipment:		
HRLT lower Housing	HRLH – B	1869
HRLT Lower Cartridge	HRLC – B	1897
HRLT upper Housing	HRUH – B	975
HRLT Upper Cartridge	HRUC – B	964









High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M01						
Idx	Phase	HRLT M0–M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		–318.7	–322.7	–280.7	–379.7
1	Before		–330.3	–322.7	–280.7	–379.7

2	Before		-338.1	-322.7	-280.7	-379.7
3	Before		-328.0	-322.7	-280.7	-379.7
4	Before		-319.3	-322.7	-280.7	-379.7
5	Before		-320.9	-322.7	-280.7	-379.7
6	Before		319.9	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
(Minimum) (Nominal) (Maximum)						









Before: 22-Jul-2023 7:12

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1–M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1737	1781	2095	1549
1	Before		1804	1781	2095	1549
2	Before		1841	1781	2095	1549
3	Before		1787	1781	2095	1549
4	Before		1740	1781	2095	1549
5	Before		1751	1781	2095	1549
6	Before		-1754	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
(Minimum) (Nominal) (Maximum)						









Before: 22-Jul-2023 7:12









High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2–M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1730	1781	2095	1549
1	Before		1806	1781	2095	1549
2	Before		1845	1781	2095	1549
3	Before		1794	1781	2095	1549
4	Before		1742	1781	2095	1549
5	Before		1754	1781	2095	1549
6	Before		-1745	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
(Minimum) (Nominal) (Maximum)						









Before: 22-Jul-2023 7:12




High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3–A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68560	70000	82360	60900
1	Before		71450	70000	82360	60900
2	Before		73260	70000	82360	60900
3	Before		71510	70000	82360	60900
4	Before		69390	70000	82360	60900
5	Before		69860	70000	82360	60900
6	Before		-68050	-70000	-60900	-82360
7	Before		70000	70000	82360	60900

(Minimum)	(Nominal)	(Maximum)
Before: 22-Jul-2023 7:12		

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68640	70000	82360	60900
1	Before		71660	70000	82360	60900
2	Before		73450	70000	82360	60900
3	Before		71670	70000	82360	60900
4	Before		69490	70000	82360	60900
5	Before		69960	70000	82360	60900
6	Before		-68250	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
		(Minimum) (Nominal) (Maximum)				
Before: 22-Jul-2023 7:12						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68500	70000	82360	60900
1	Before		71510	70000	82360	60900
2	Before		73320	70000	82360	60900
3	Before		71530	70000	82360	60900
4	Before		69380	70000	82360	60900
5	Before		69820	70000	82360	60900
6	Before		-68110	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
		(Minimum) (Nominal) (Maximum)				
Before: 22-Jul-2023 7:12						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VTP						
Idx	Phase	HRLT Torpedo–M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68050	-70000	-60900	-82360
1	Before		-71320	-70000	-60900	-82360
2	Before		-73160	-70000	-60900	-82360
3	Before		-71450	-70000	-60900	-82360
4	Before		-69330	-70000	-60900	-82360
5	Before		-69790	-70000	-60900	-82360
6	Before		67870	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
		(Minimum) (Nominal) (Maximum)				
Before: 22-Jul-2023 7:12						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT VBD						
Idx	Phase	HRLT Bridle#9–M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-68080	-70000	-60900	-82360
1	Before		-71390	-70000	-60900	-82360
2	Before		-73240	-70000	-60900	-82360















3	Before		-71510	-70000	-60900	-82360
4	Before		-69380	-70000	-60900	-82360
5	Before		-69830	-70000	-60900	-82360
6	Before		67960	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
(Minimum) (Nominal) (Maximum)						
Before: 22-Jul-2023 7:12						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		284.1	284.0	334.1	247.0
1	Before		281.1	281.1	330.7	244.4
2	Before		281.1	281.1	330.7	244.4
3	Before		281.1	281.1	330.7	244.4
4	Before		281.1	281.1	330.7	244.4
5	Before		281.1	281.1	330.7	244.4
6	Before		281.1	281.1	330.7	244.4
7	Before		281.1	281.1	330.7	244.4
(Minimum) (Nominal) (Maximum)						
Before: 22-Jul-2023 7:12						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.3	-322.7	-280.7	-379.7
1	Before		-324.2	-322.7	-280.7	-379.7
2	Before		-330.9	-322.7	-280.7	-379.7
3	Before		-319.6	-322.7	-280.7	-379.7
4	Before		-308.5	-322.7	-280.7	-379.7
5	Before		-325.2	-322.7	-280.7	-379.7
6	Before		326.2	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
(Minimum) (Nominal) (Maximum)						
Before: 22-Jul-2023 7:12						

Hostile Litho-Density Sonde / Equipment Identification			
Primary Equipment:			
Gamma Source Radioactive	GSR – ZA	2945	
Hostile Litho Density Sonde	HLDS – D	35	
Hostile Litho Density High Voltage	HLDV – D	35	
Auxiliary Equipment:			
Hostile Litho Density High Voltage Housi	HEH – H	35	
Hostile Litho Density Pad	HLDP – C	35	

Hostile Litho-Density Sonde Wellsite Calibration								
Background Measurement								
Phase	SS Cs Resolution Bkg %	Value	Phase	LS Cs Resolution Bkg %	Value	Phase	LSW1 Background CPS	Value
Master		8.117	Master		7.703	Master		56.06
Before		8.044	Before		7.652	Before		56.09

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			40.77	Master			15.42	Master			1160					
Before			39.59	Before			16.31	Before			1069					
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			144.4	Master			8.555	Master			26.63					
Before			142.8	Before			8.443	Before			14.87					
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			48.78													
Before			48.78													


Before		45.20
10.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)
Master: Calibration out of date 18-Apr-2023 21:32 Before: 22-Jul-2023 7:16		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9755
Before		1.000
0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: Calibration out of date 18-Apr-2023 21:32		
Before: 22-Jul-2023 7:16		

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

Enhanced DTS Cartridge Wellsite Calibration		
EDTC Accelerometer Calibration		
Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.827
9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 22-Jul-2023 7:20		

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			1.875	Before			168.1	Before			165.0
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		152.8 (Minimum)	168.1 (Nominal)	183.3 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)
Before: 22-Jul-2023 7:14											

Company:	International Ocean Discovery Program	
Well:	Expedition 395, Site U1602E	
Field:	Reykjanes Mantle Convection and Climate	
Rig:	JOIDES Resolution	
Country:	Iceland	
High Resolution Laterolog (HRLA) Magnetic Susceptibility (MSS) Natural Gamma / MSS (HNGS)		