



Well: **Expedition 395, Site U1564F**
Field: **Reykjanes Mantle Convection and Climate**
Rig: **JOIDES Resolution** Country: **Iceland**

Rig:	JOIDES Resolution	High Resolution Laterolog (HRLA) / HLDS			
Field:	Keyjanes Mantle Covection and	Magnetic Susceptibility (MSS) / APS			
Location:	Latitude: N 59.8506*	Natural Gamma / MSS (HNGS)			
Well:	Expedition 395, Site U1564F				
Company:	International Ocean Discovery Program				
LOCATION		Latitude: N 59.8506*		Elev.:	K.B. 0.00 m
		Longitude: W 23.2664*			G.L. -2219.50 m
					D.F. 0.00 m
		Permanent Datum: Sea Floor		Elev.:	-2219.50 m
		Log Measured From: Rig Floor		2219.50 m above Perm. Datum	
		Drilling Measured From: Rig Floor			
Ocean: Atlantic		Max. Well Deviation 5 deg		Longitude W 23.2664*	Latitude N 59.8506*

Logging Date			3–Aug–2023					
Run Number			1					
Depth Driller			3389.8 m					
Schlumberger Depth			3389.8 m					
Bottom Log Interval			3389.8 m					
Top Log Interval			2219.5 m					
Casing Driller Size @ Depth			10.750 in @ 2772 m			@		
Casing Schlumberger			2772 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	9–Aug–2023		0:00			
Logger On Bottom		Time	9–Aug–2023		11:15			
Unit Number		Location	627314 Larose, LA					
Recorded By			C. Furman					
Witnessed By			K. Grigar					

[illegible]

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.

OS1:	VSI
OS2:	FMS
OS3:	DSI

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

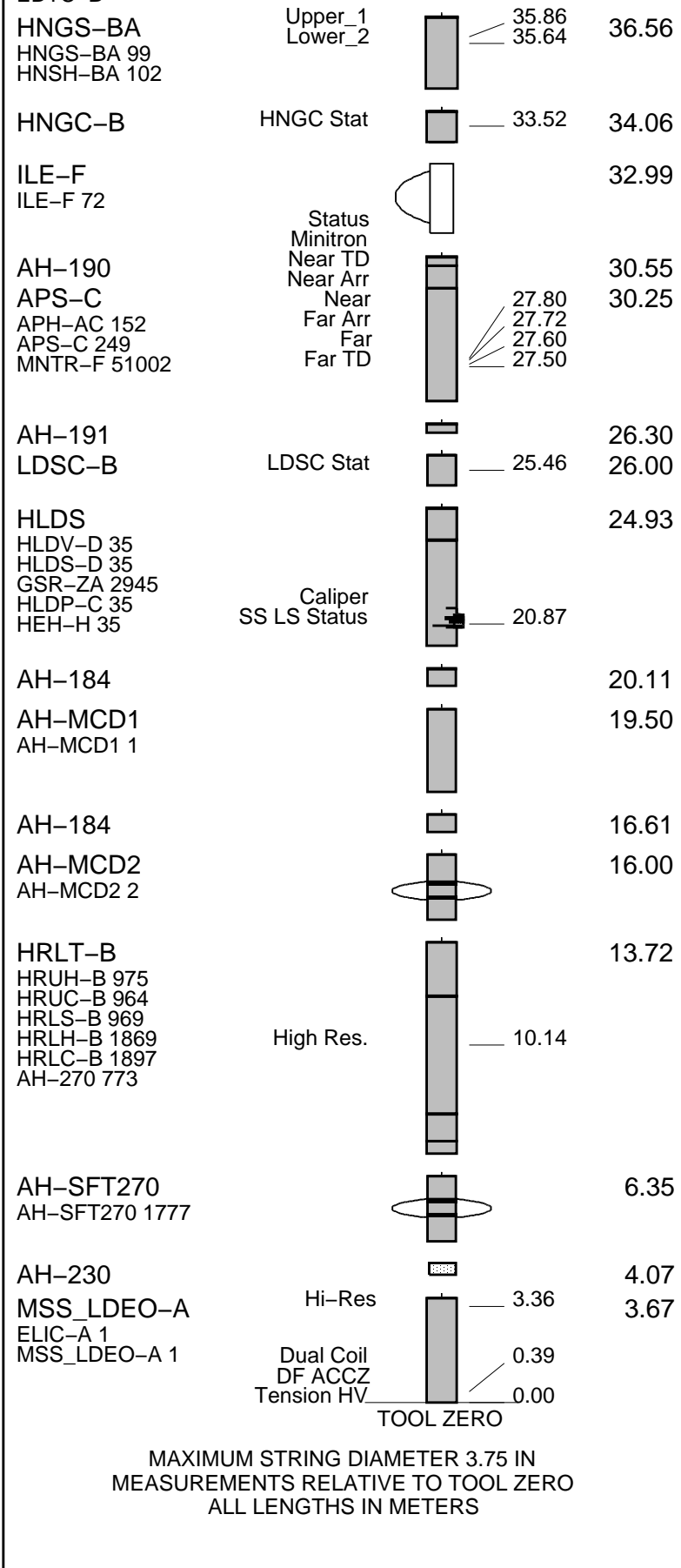
AHC switched off at 2370m to facilitate pipe entry, but used over entire OH and casing portion of the logs.

STOP

RUN 2

SFT-281 1
SFT-178 1
GSR-U 135
WITM (EDTS)-A

Method	Value
LEH-QT	39.86
MDSB_EDTC	38.54
Mud Tempe	37.47
CTEM	36.90
AH-369	38.97
Gamma Ray	38.54
EDTC-B	38.54
EFTB DIAG	36.56
EDTH-B 8529	
EDTC-B	
TelStatus	
EDTCB Ele	



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



Downlog (Flipped)
1:200 Scale

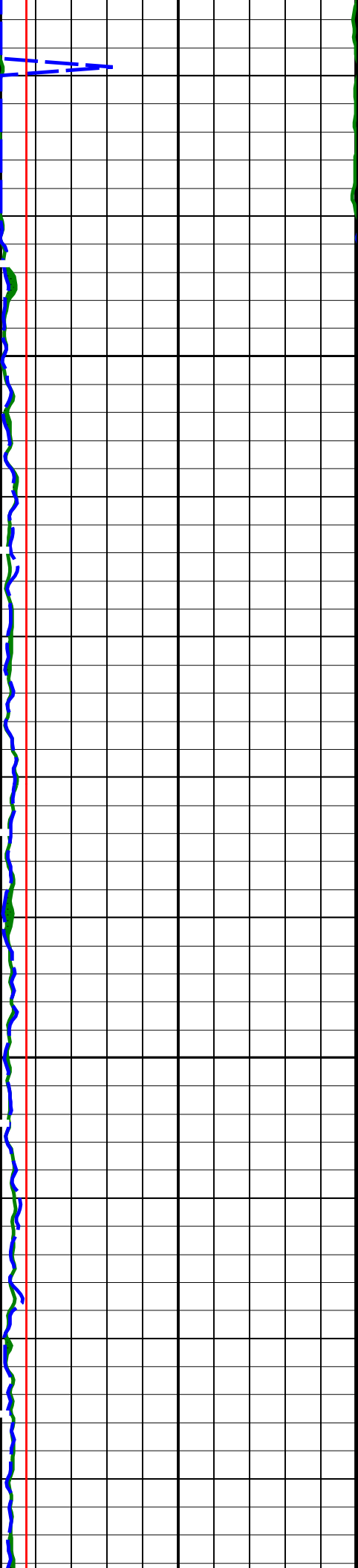
MAXIS Field Log

Company: International Ocean Discovery ProgramWell: Expedition 395, Site U1564F

Input DLIS Files						
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Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_025PUP	FN:27	PRODUCER	09-Aug-2023 17:31	3391.1 M	2171.7 M
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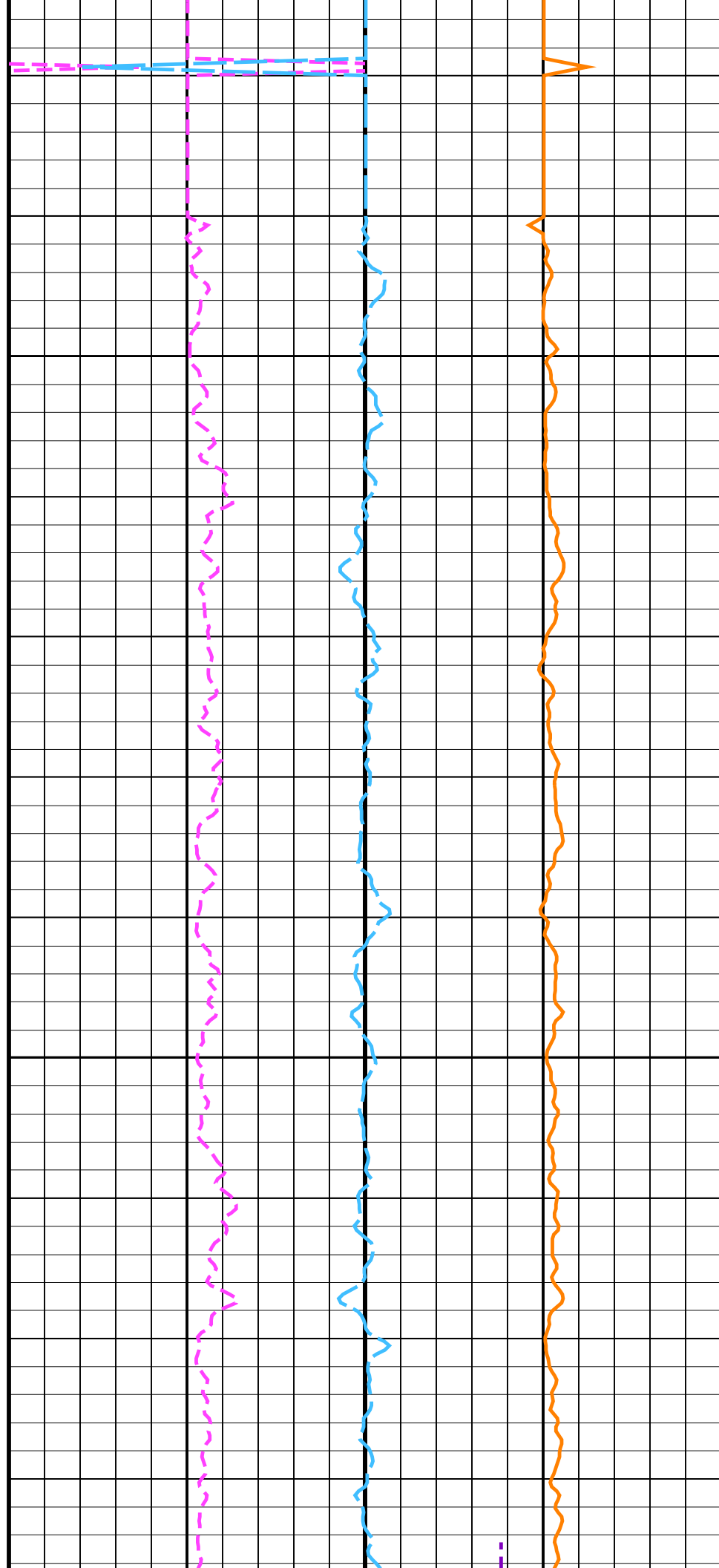
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APS-C	19C0-187	HNGC-B	19C0-187			

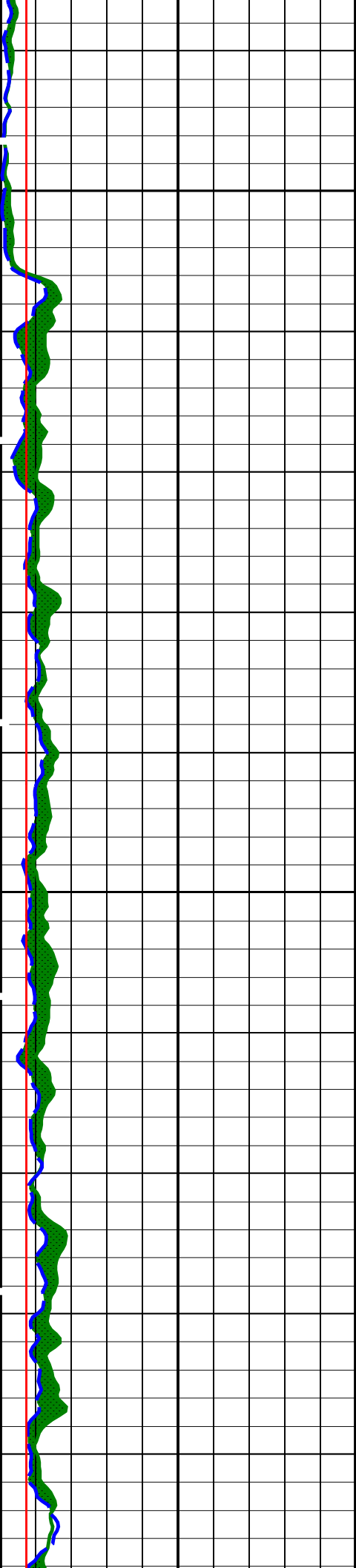




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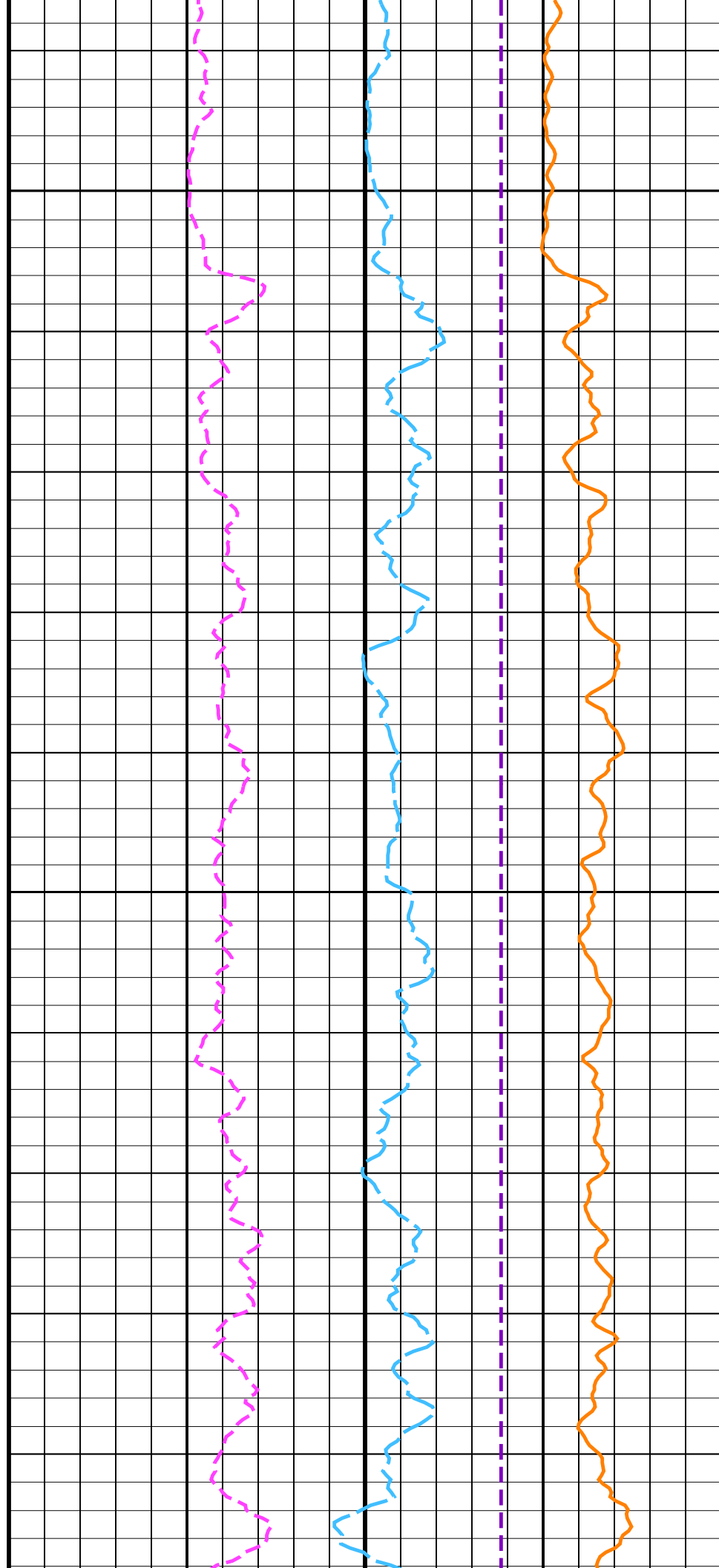
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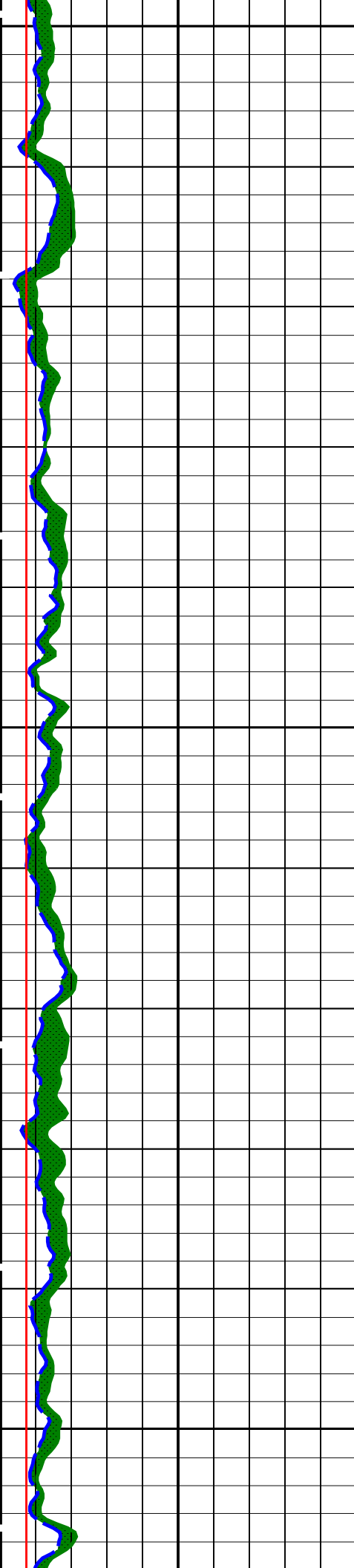




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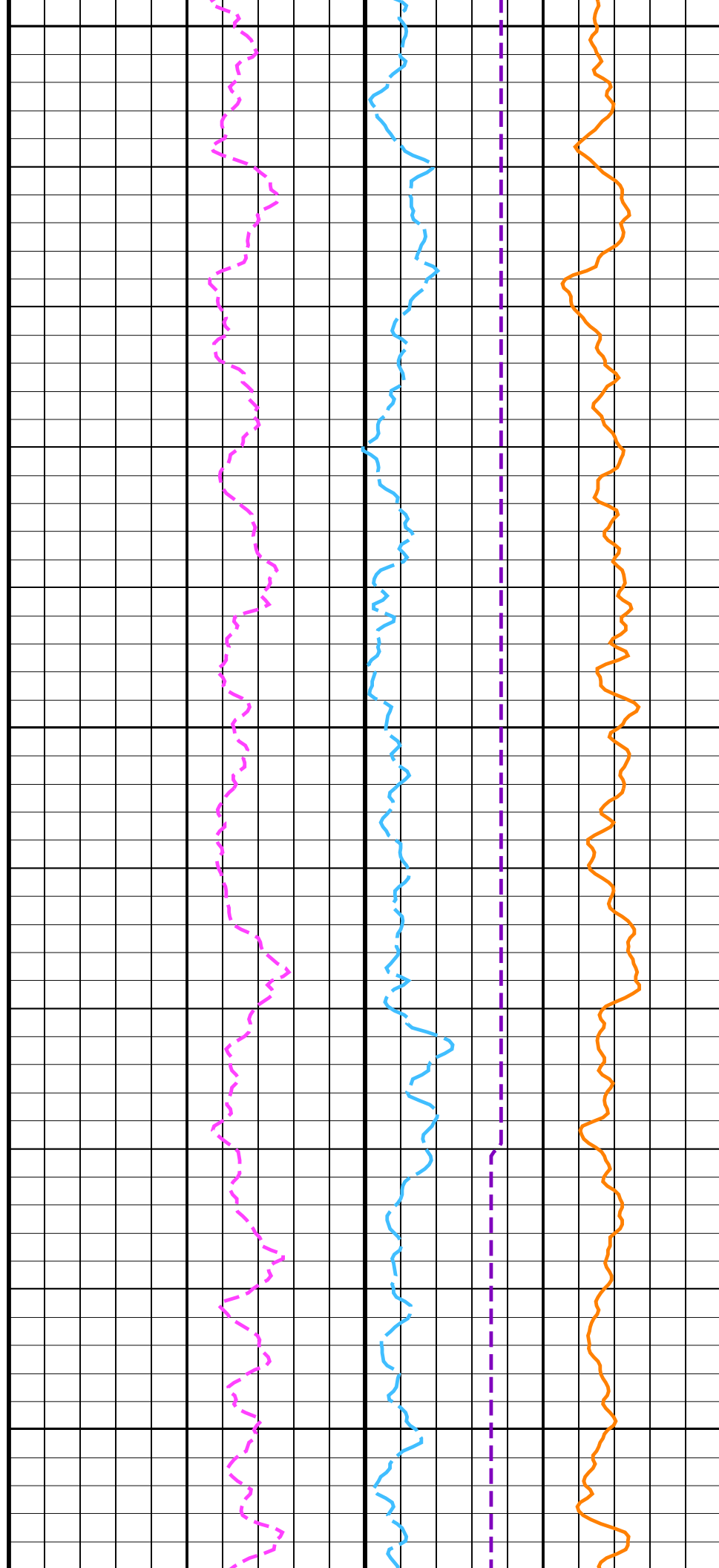


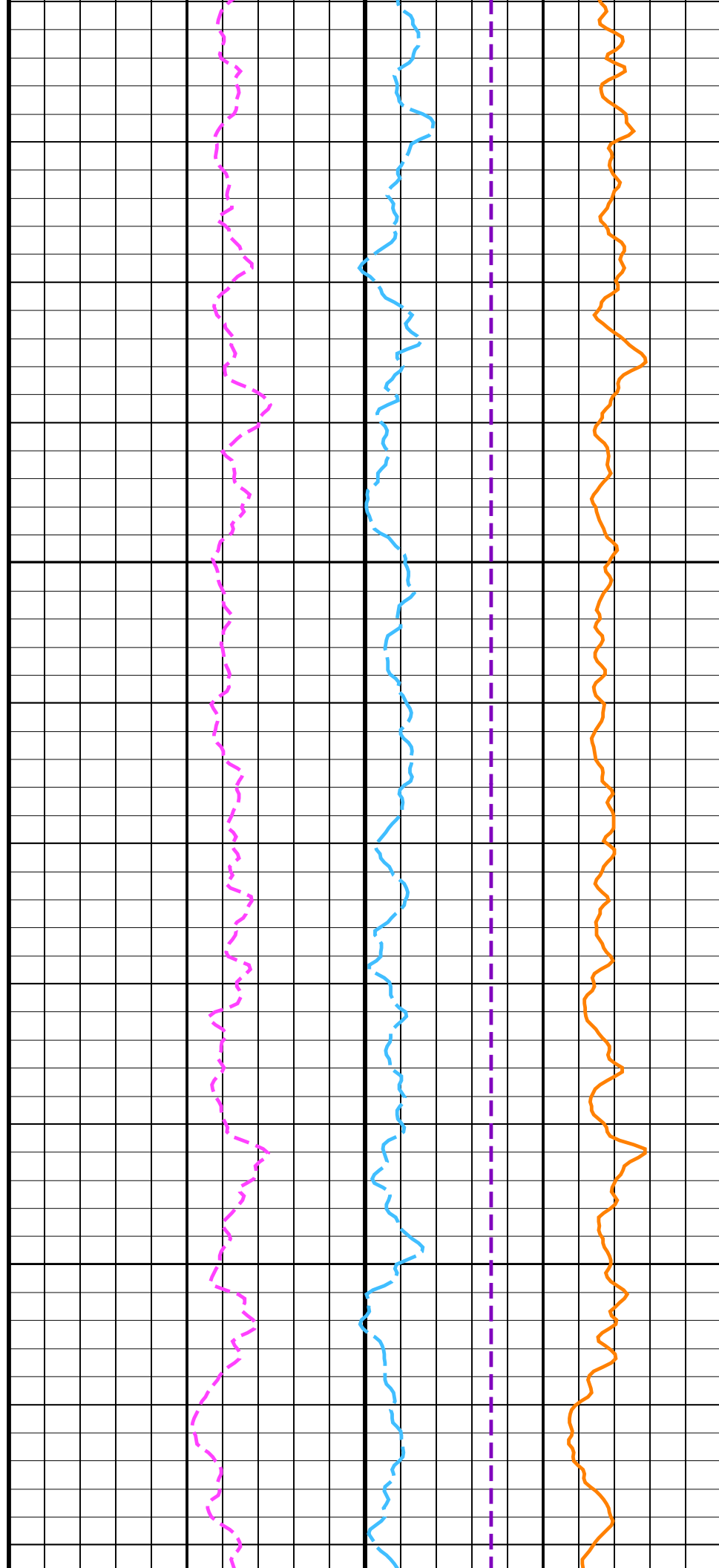
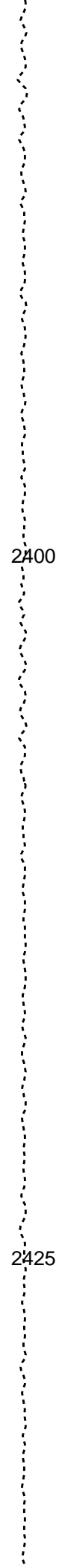
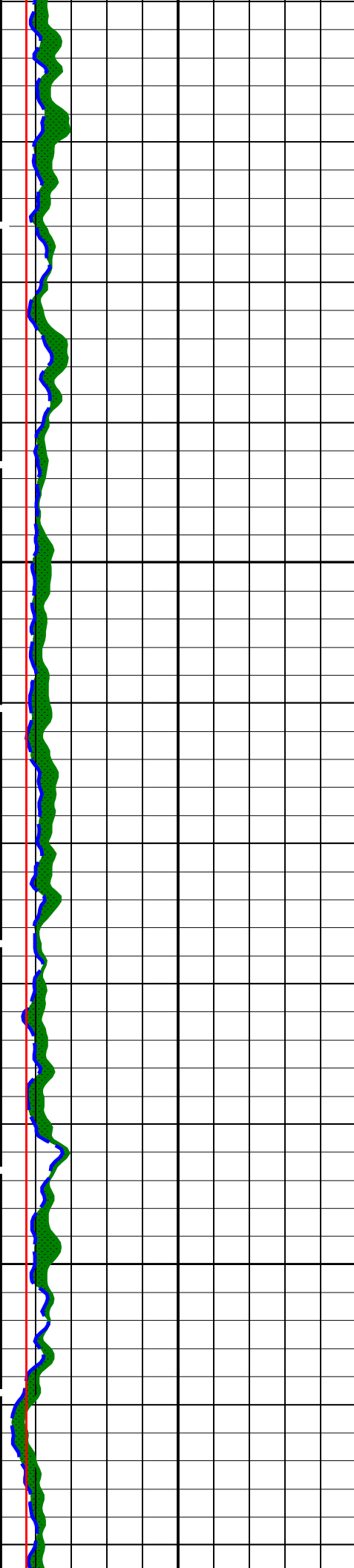


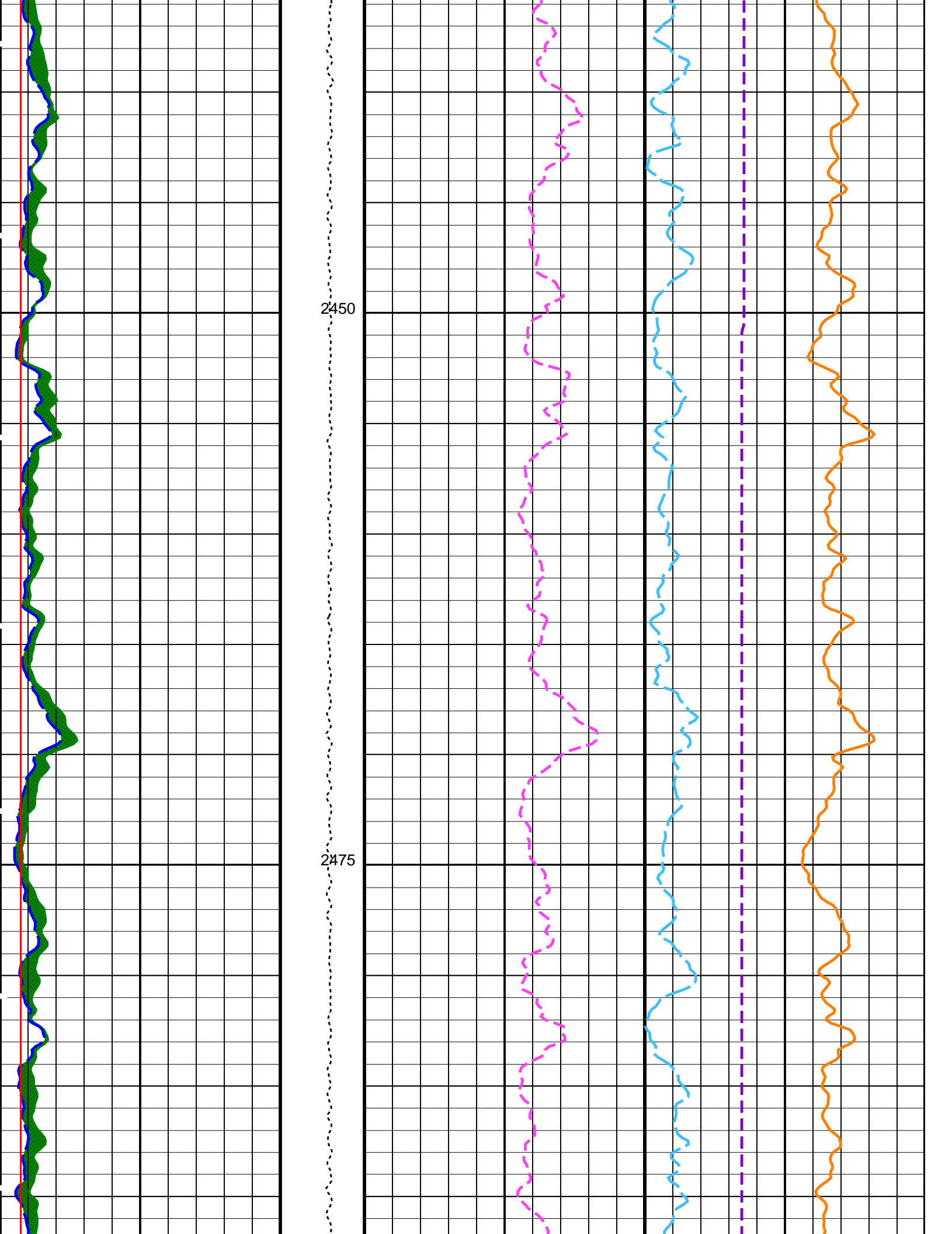
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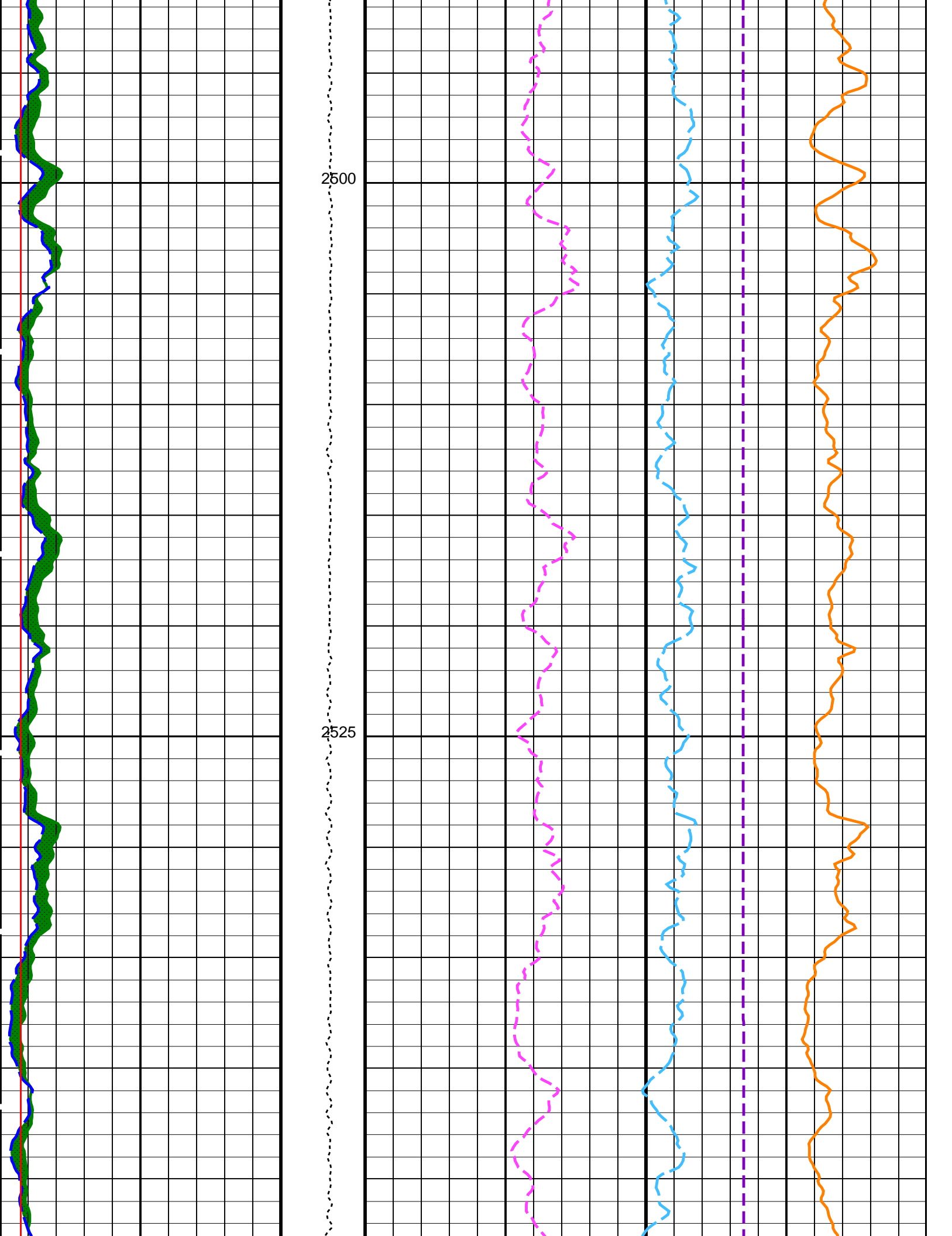
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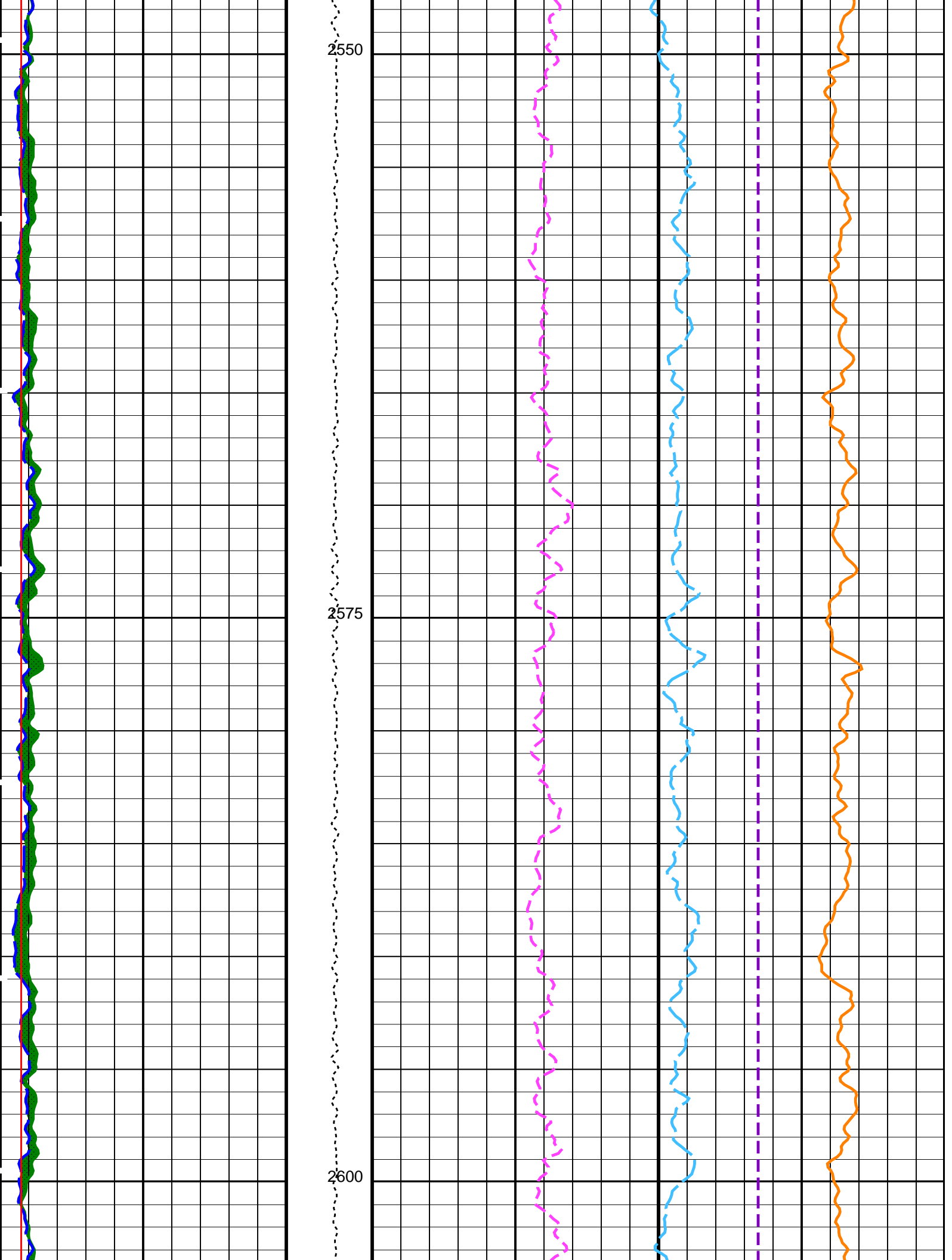
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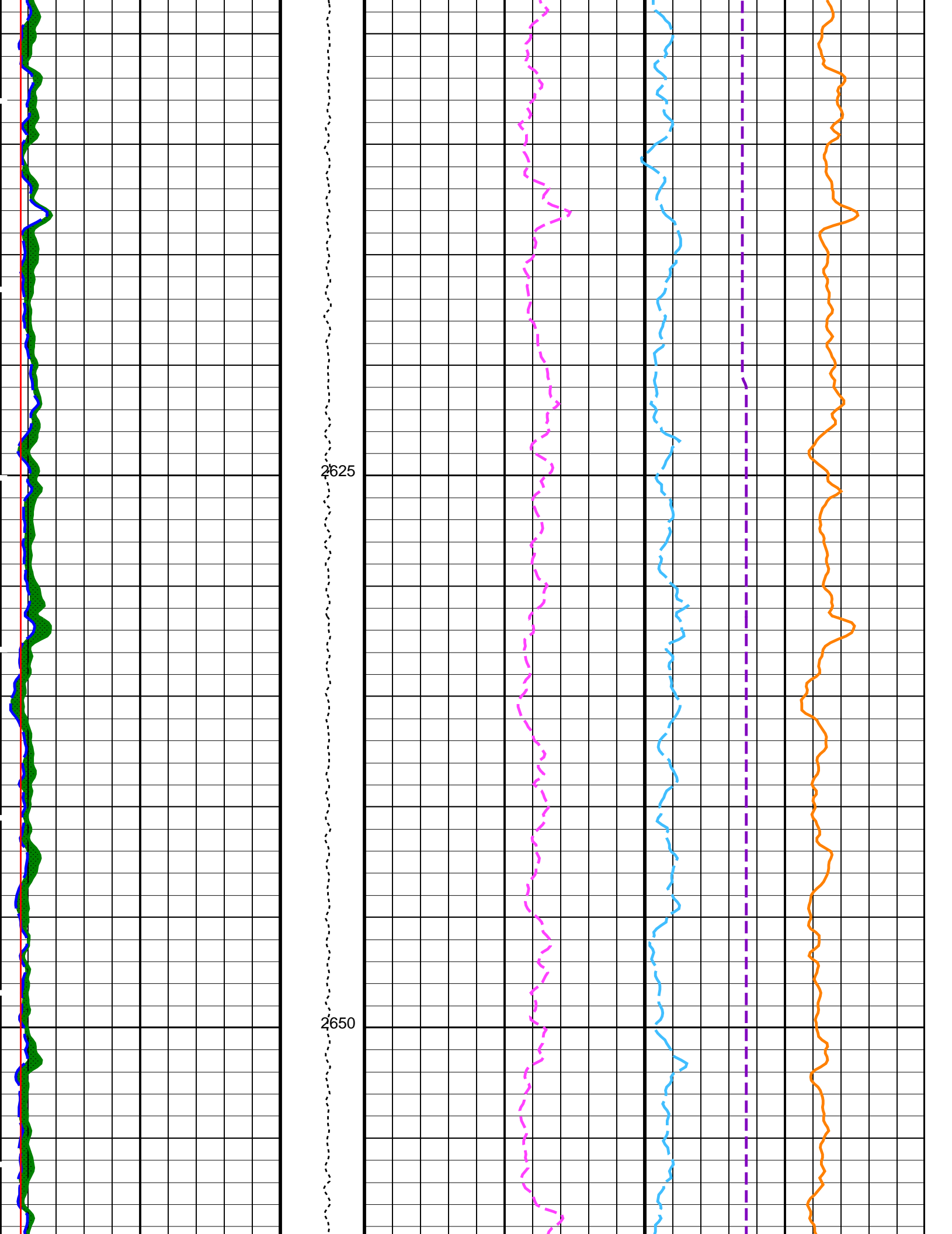


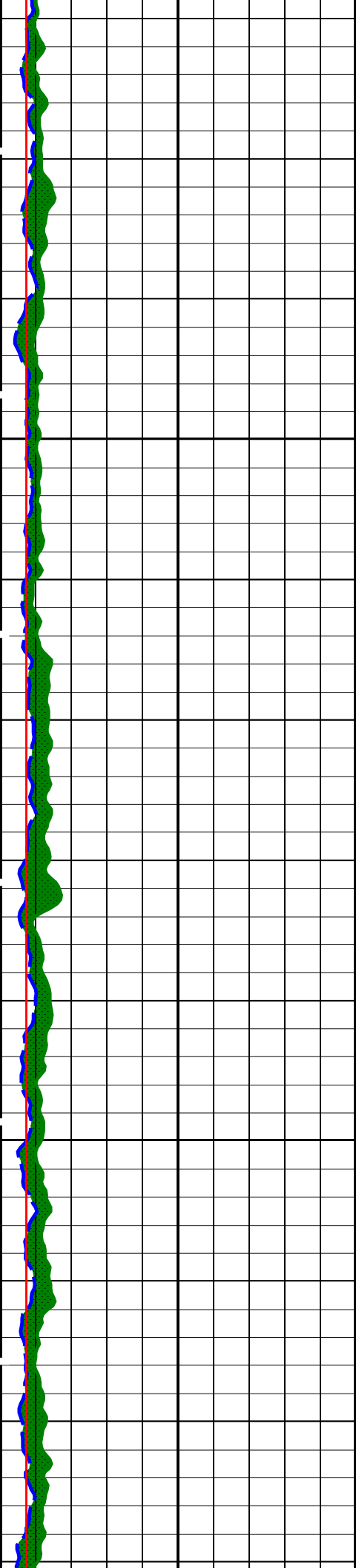






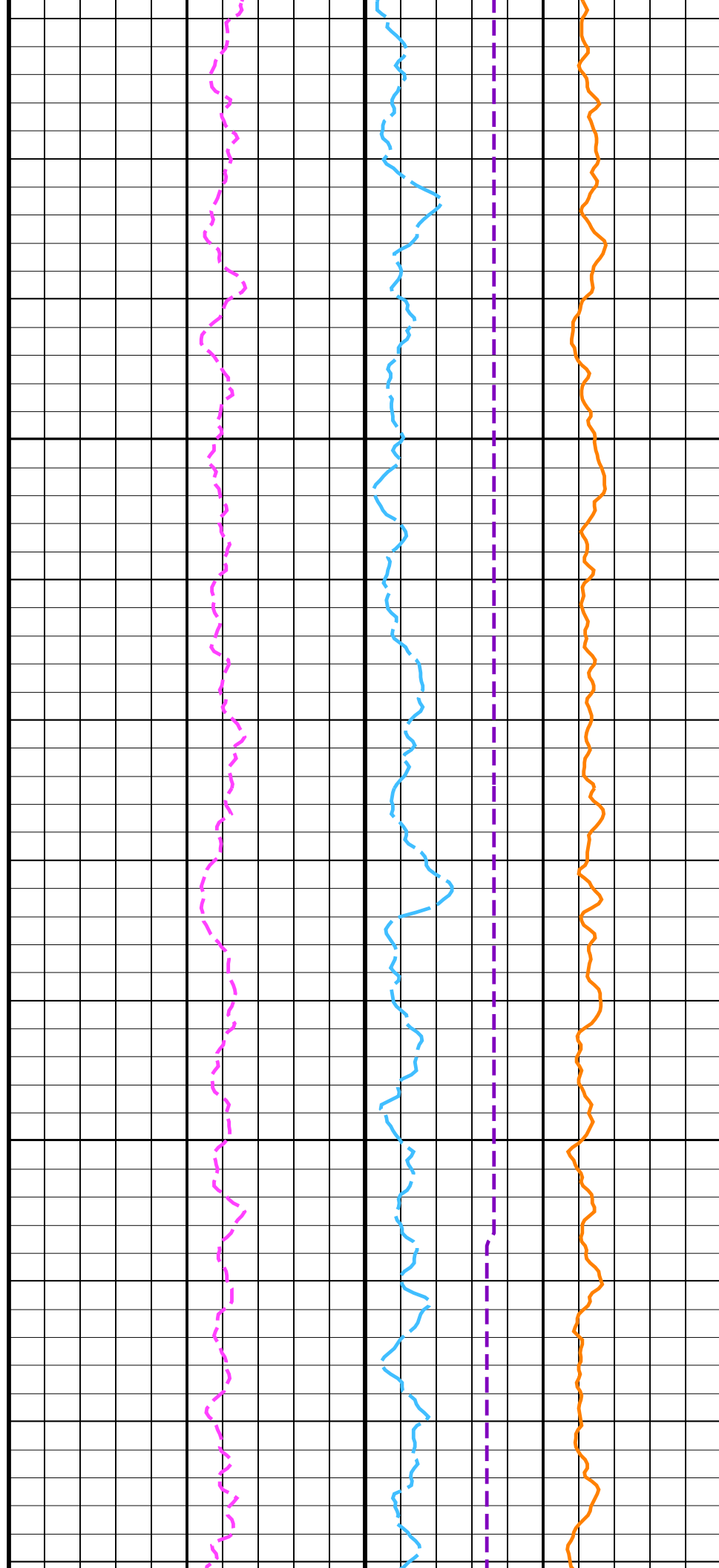


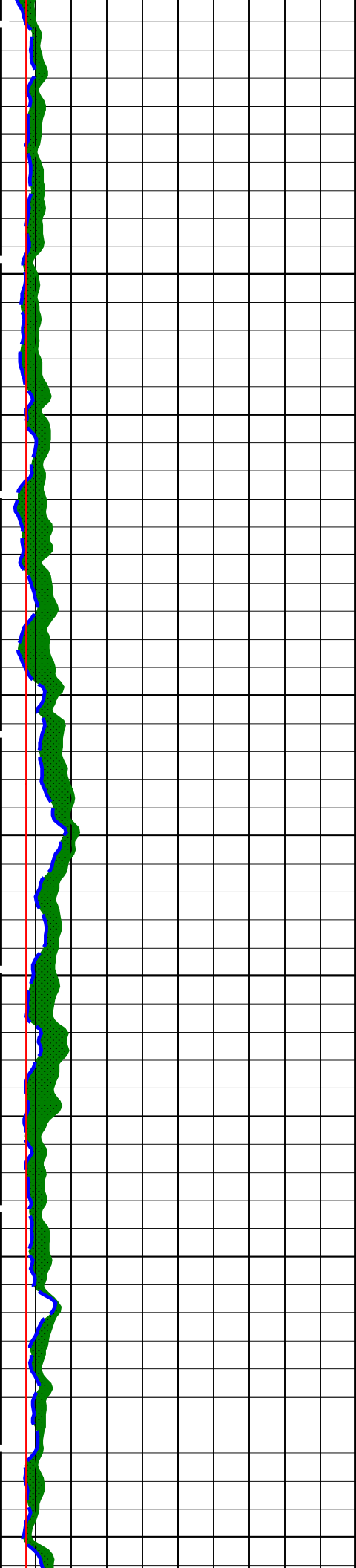




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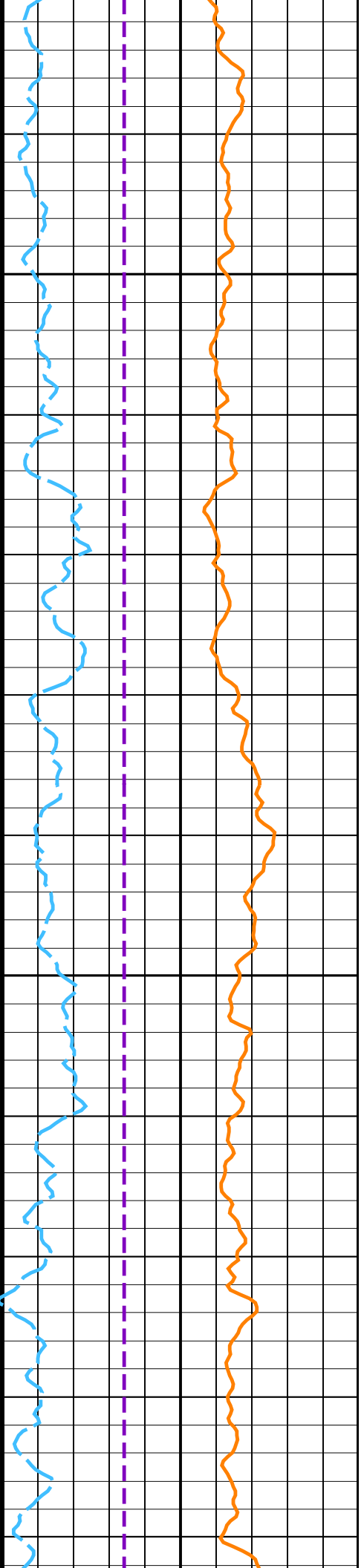
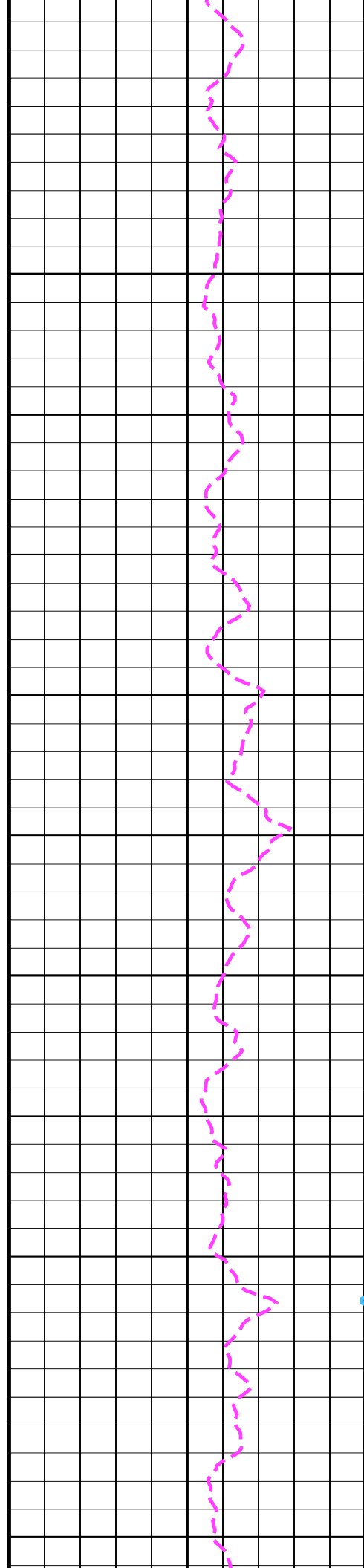
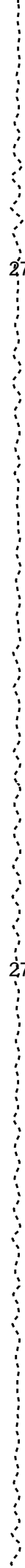
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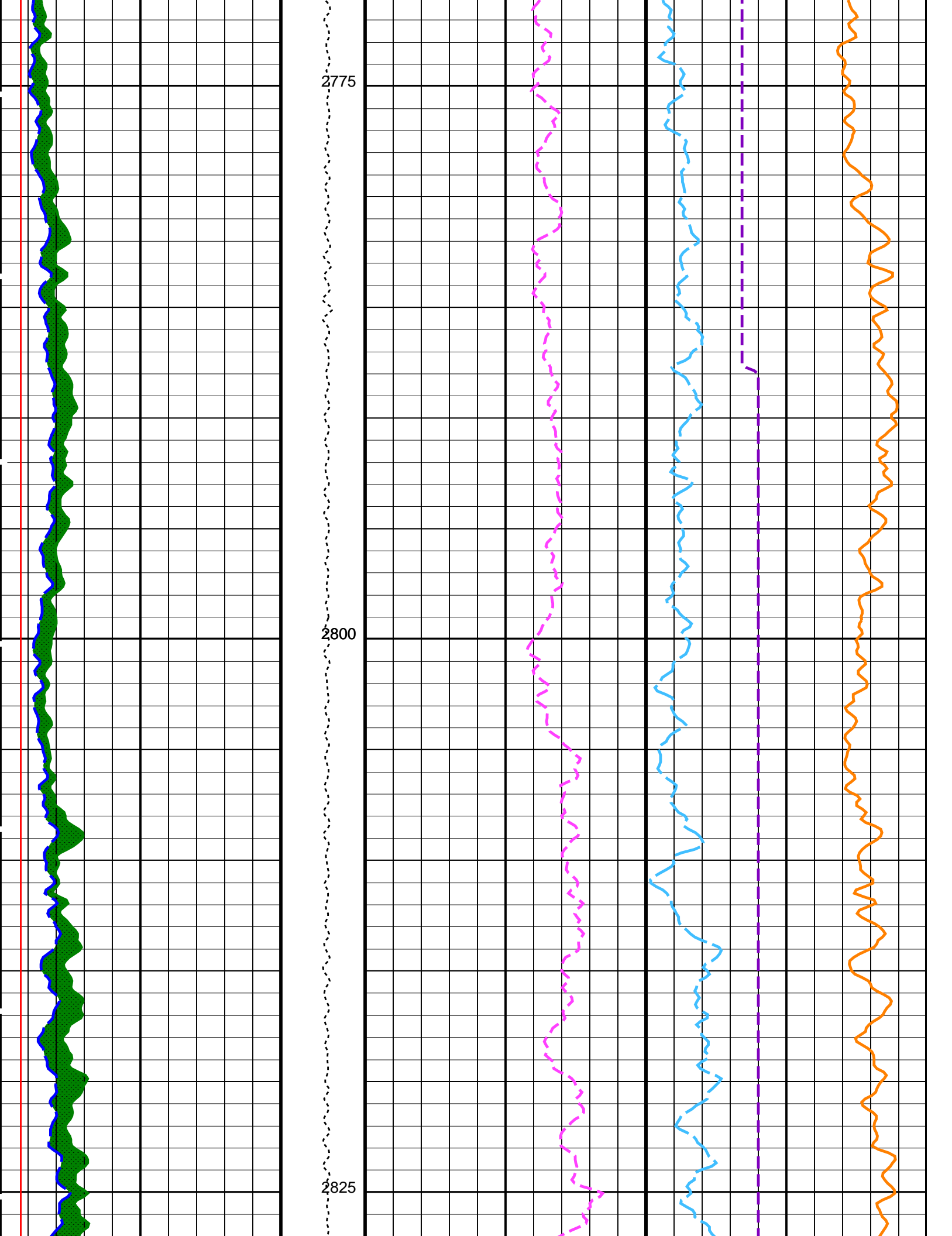


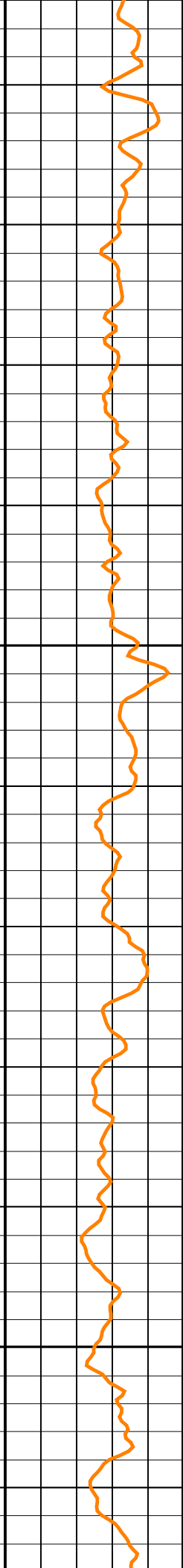
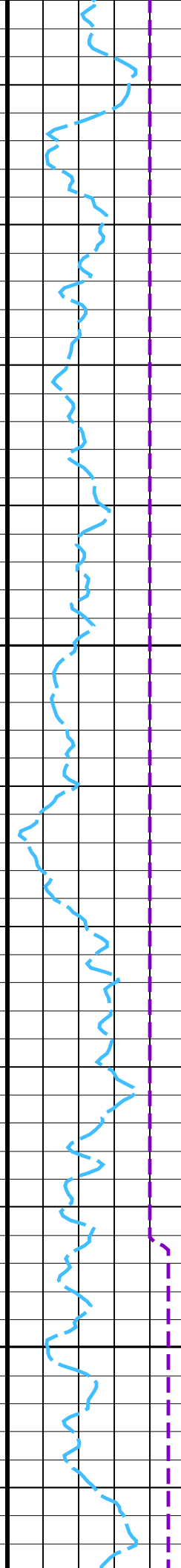
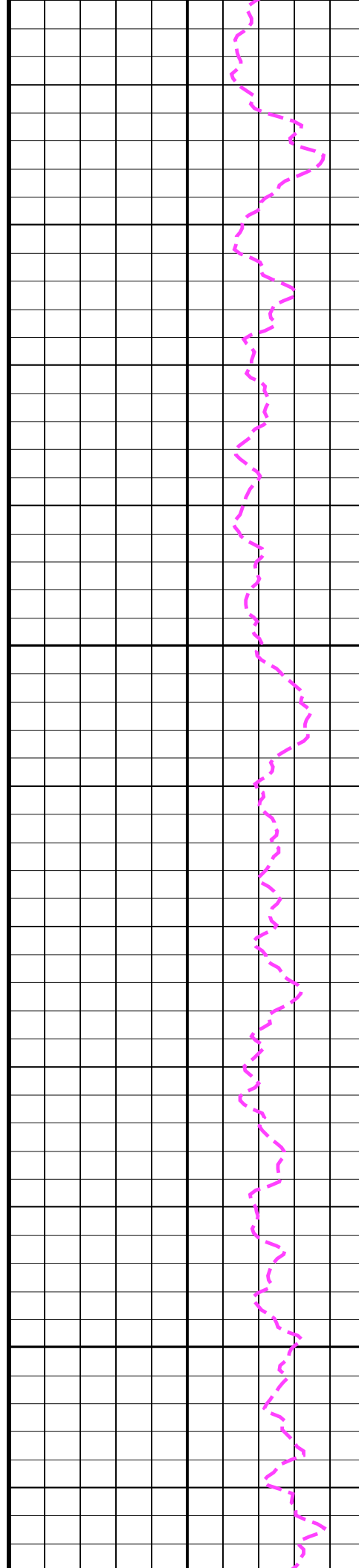
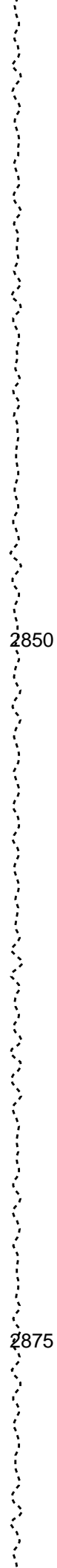
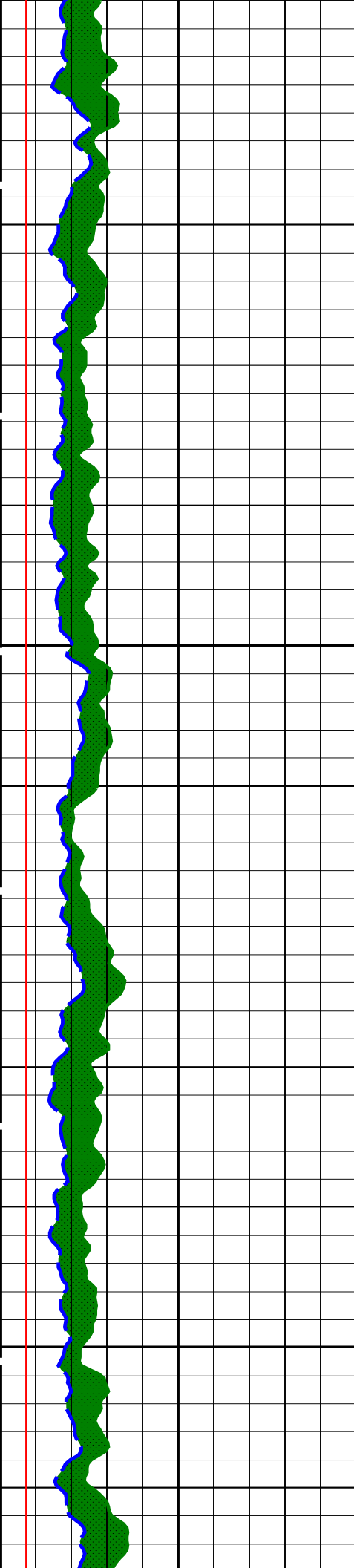


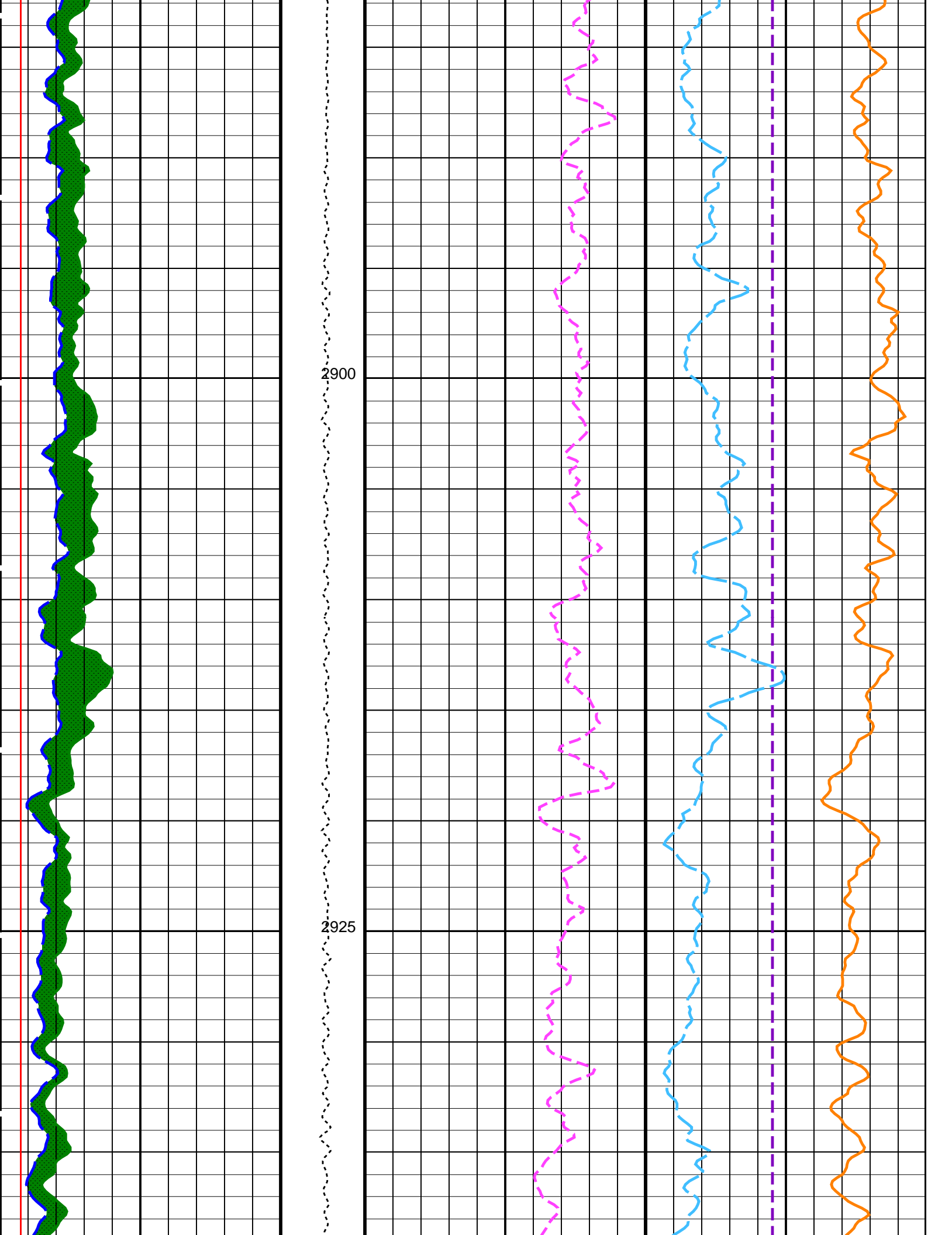
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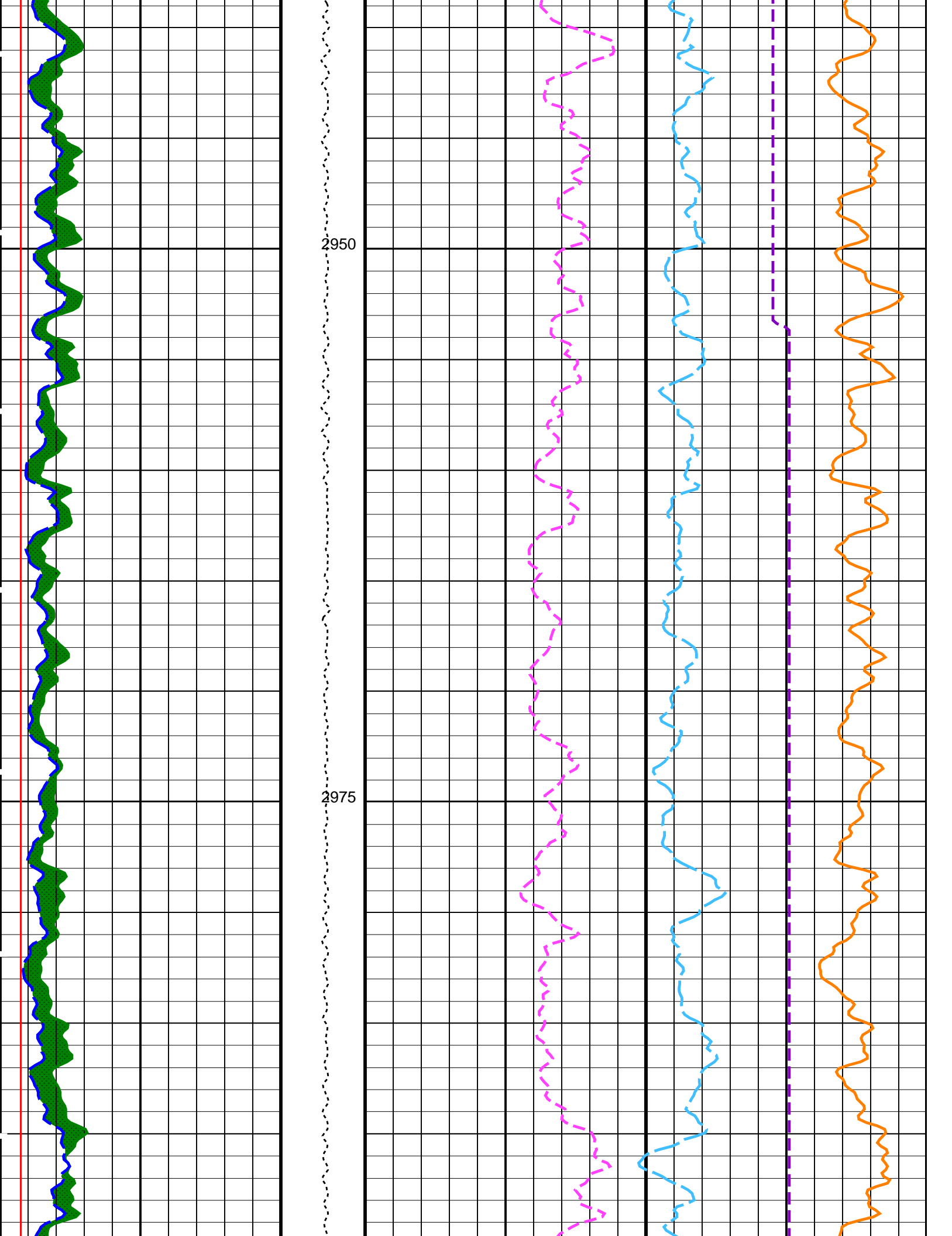
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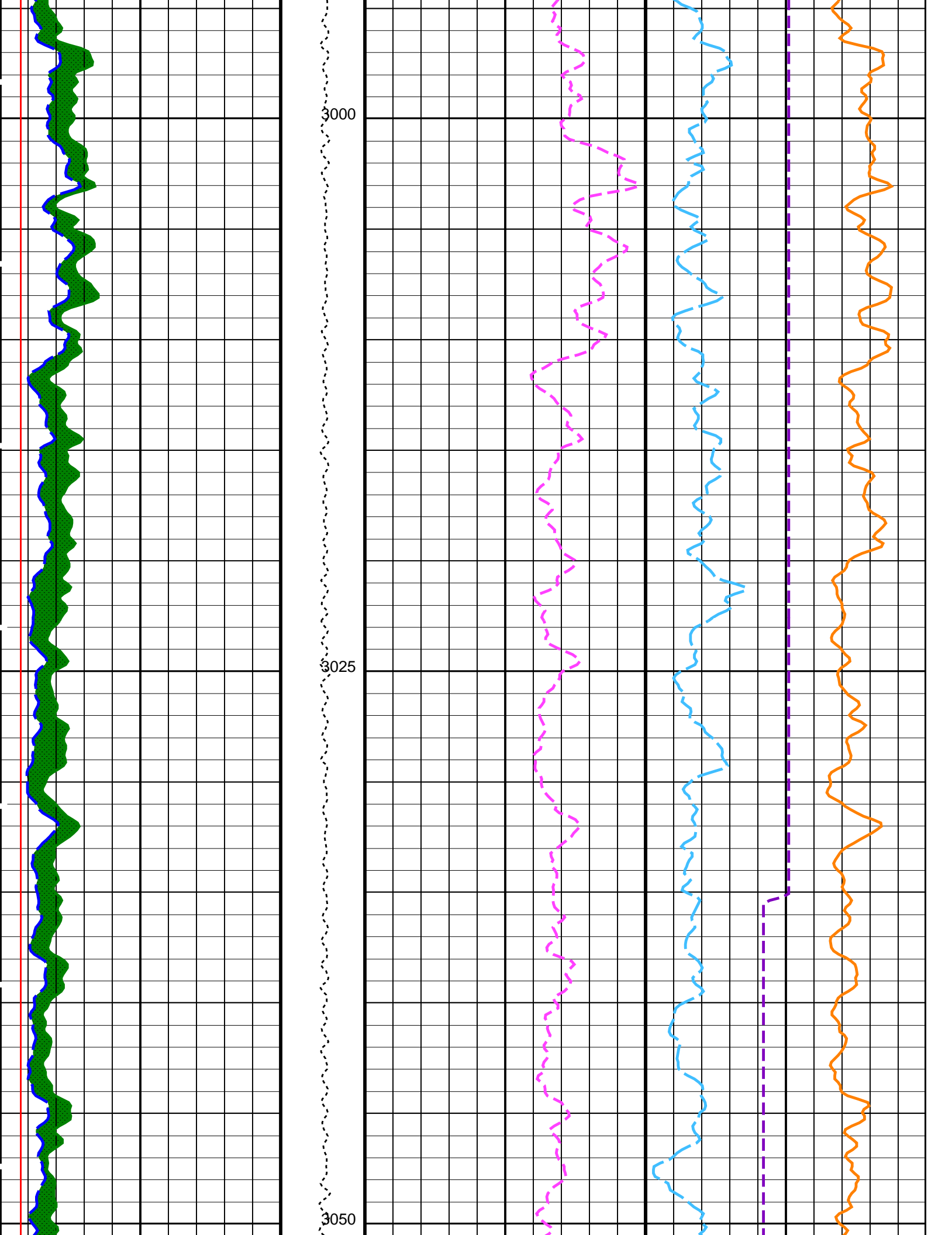


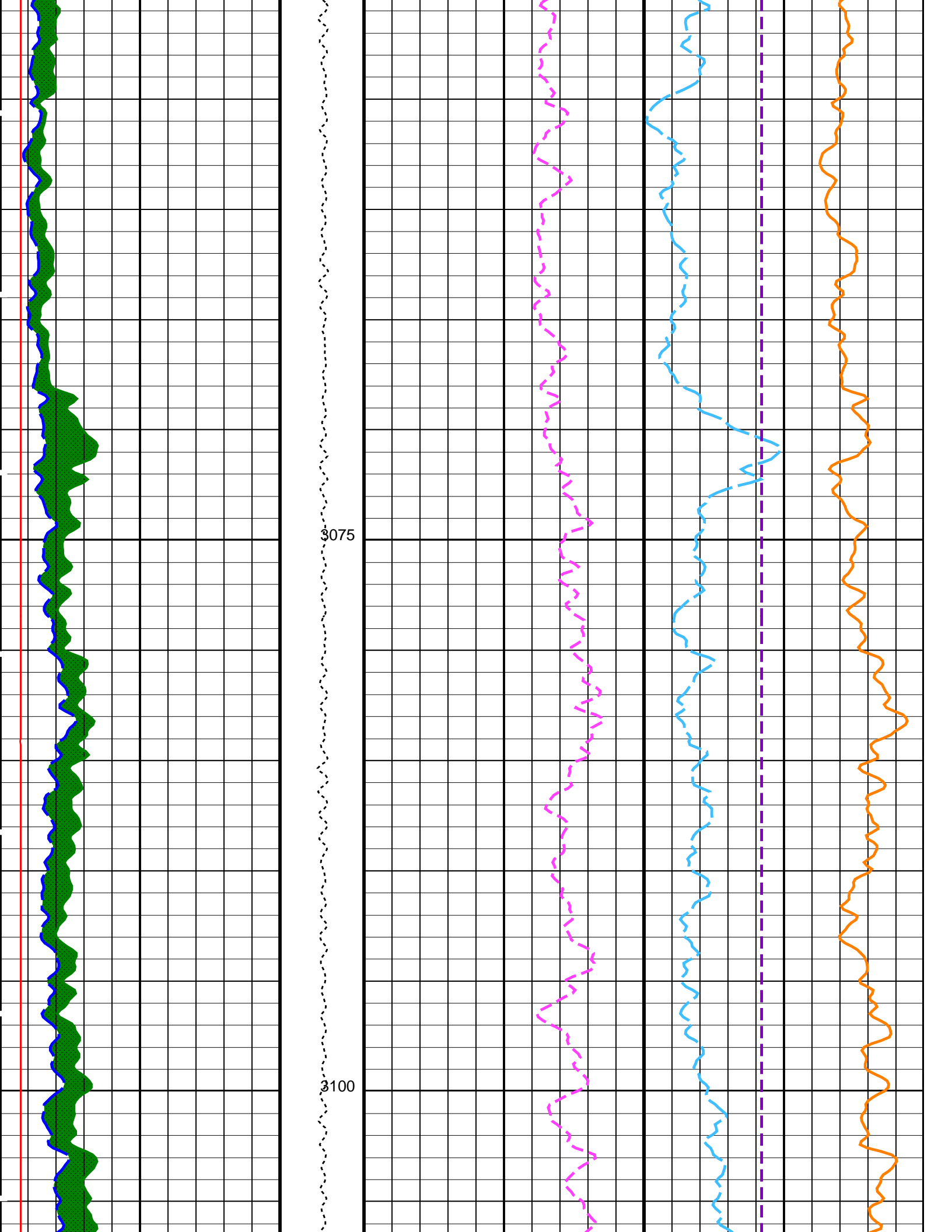


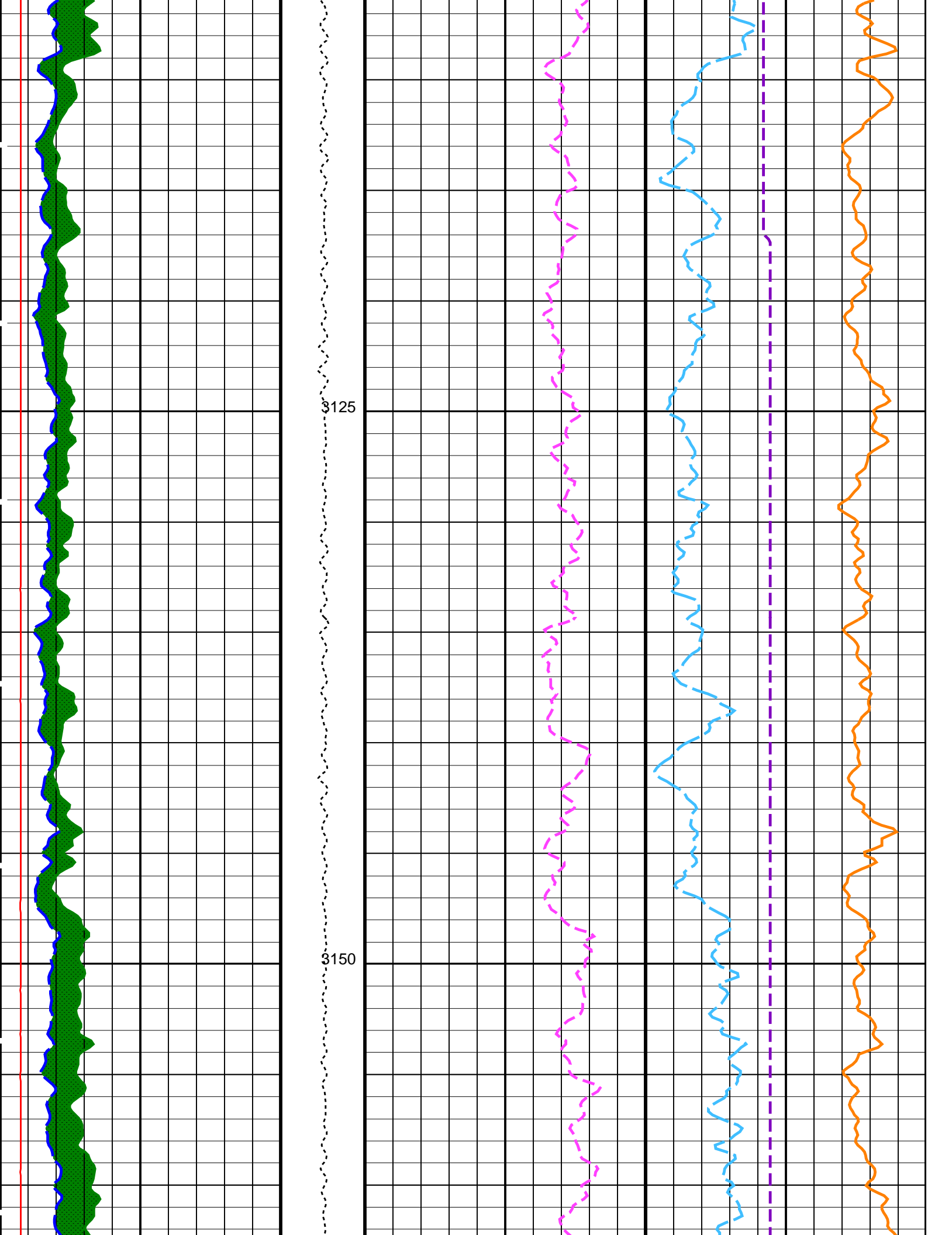


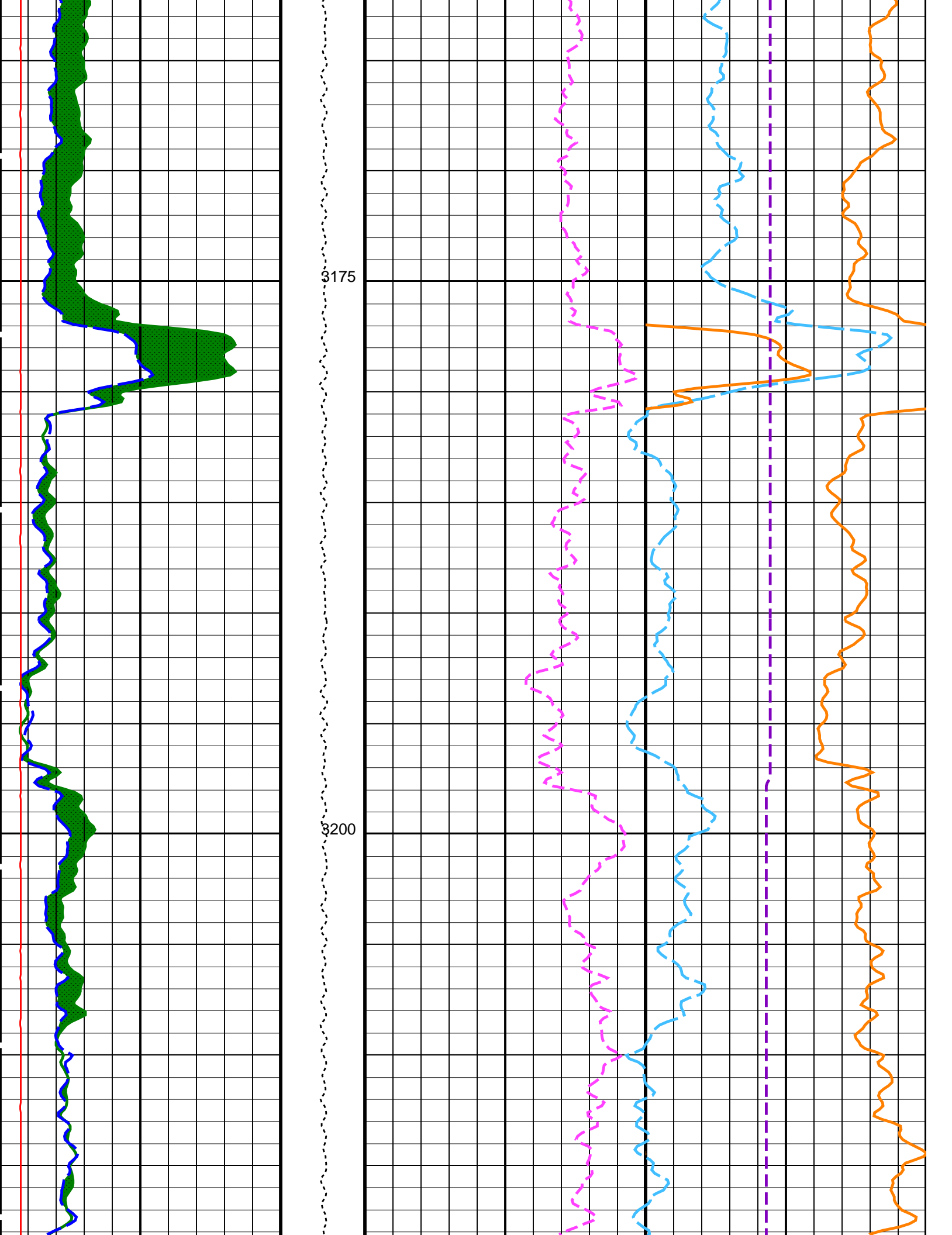


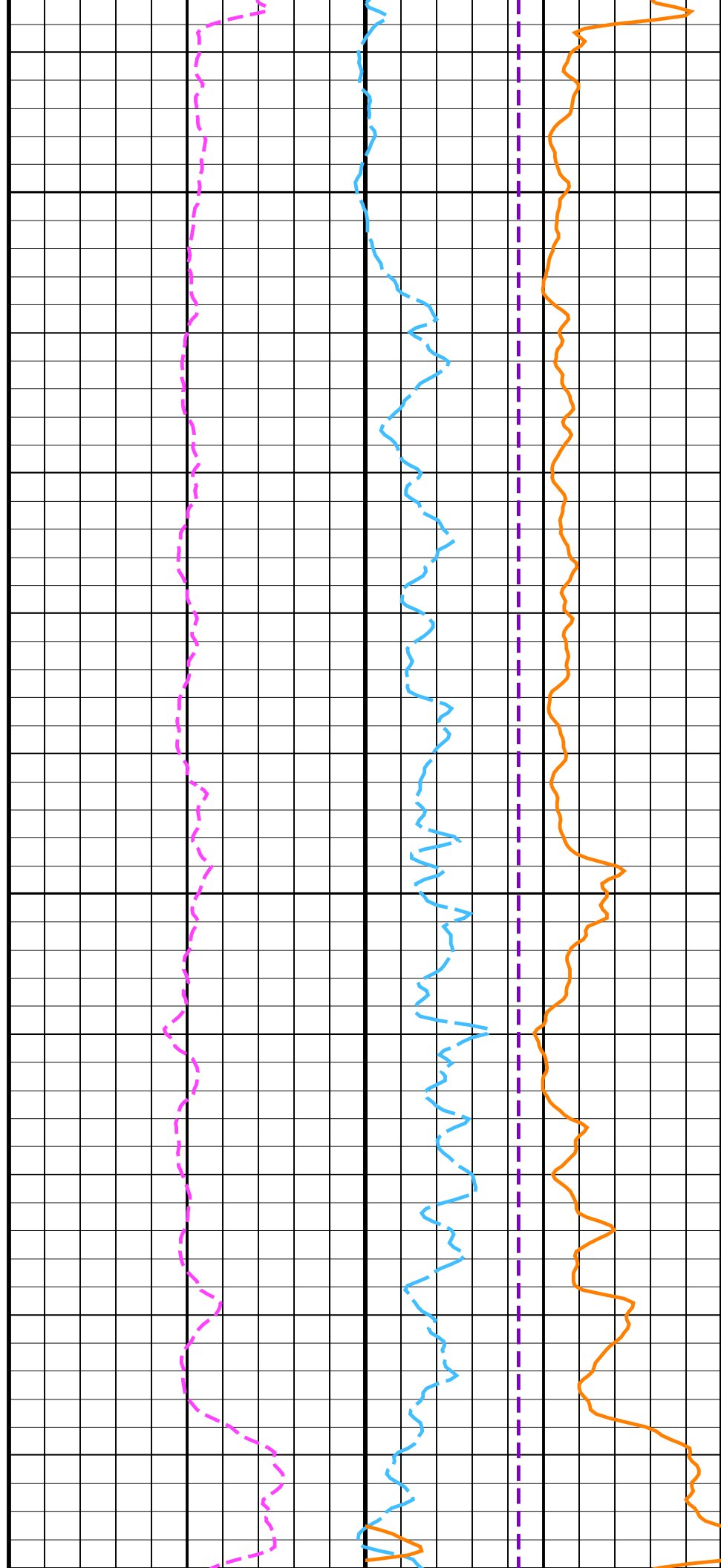
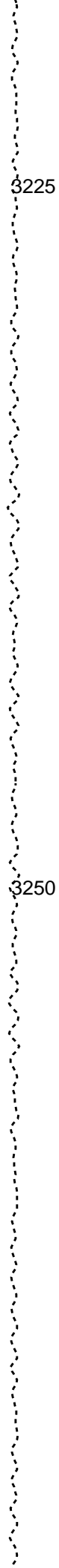
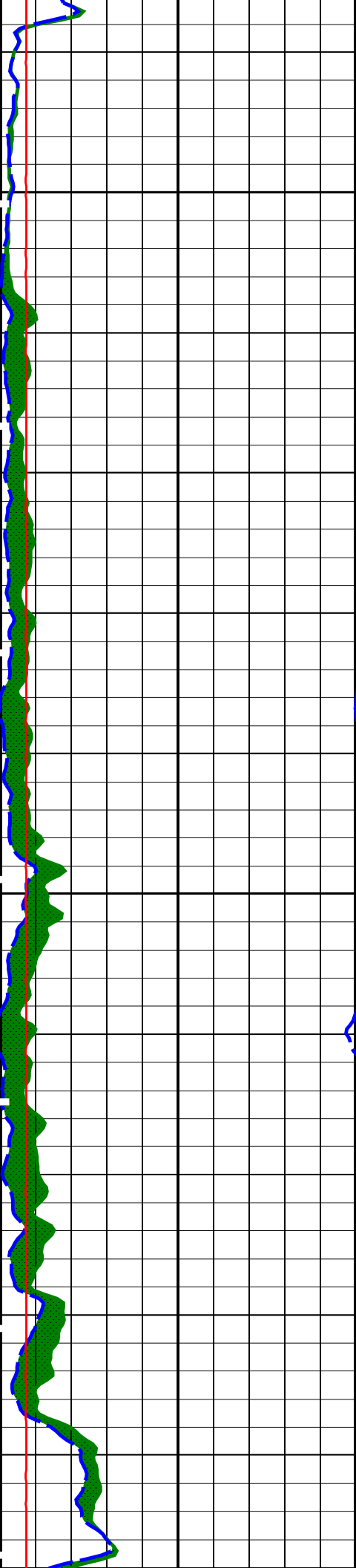


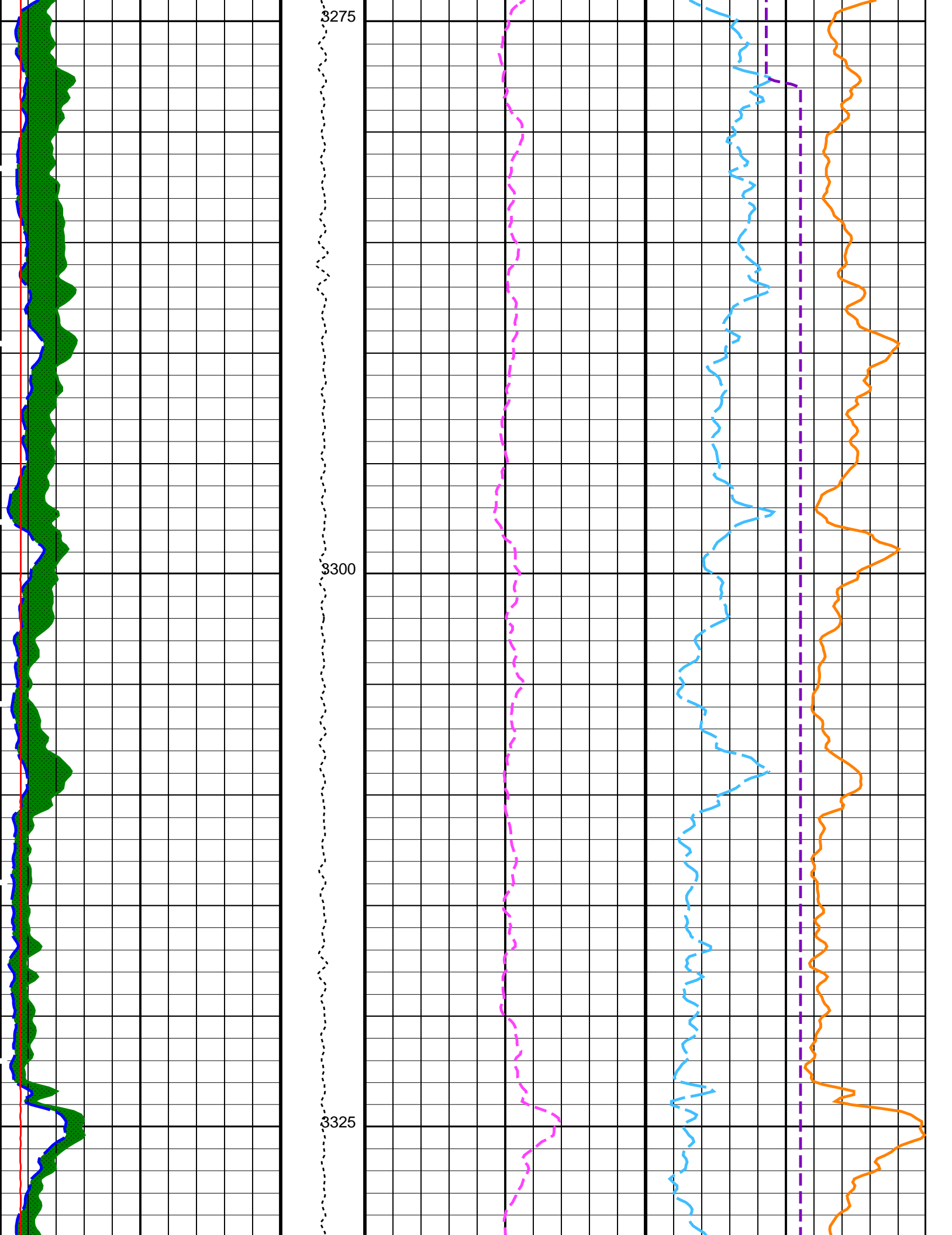


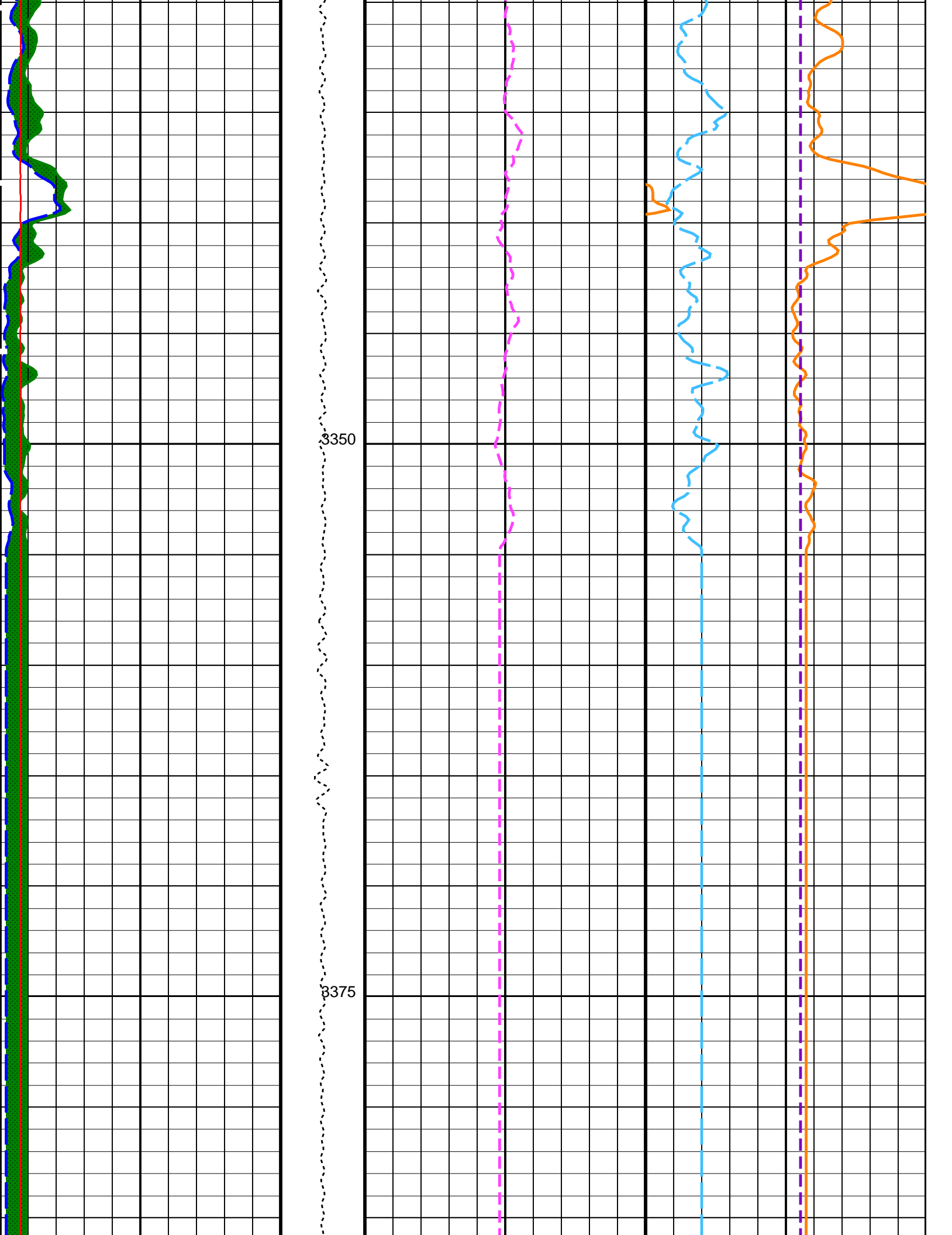


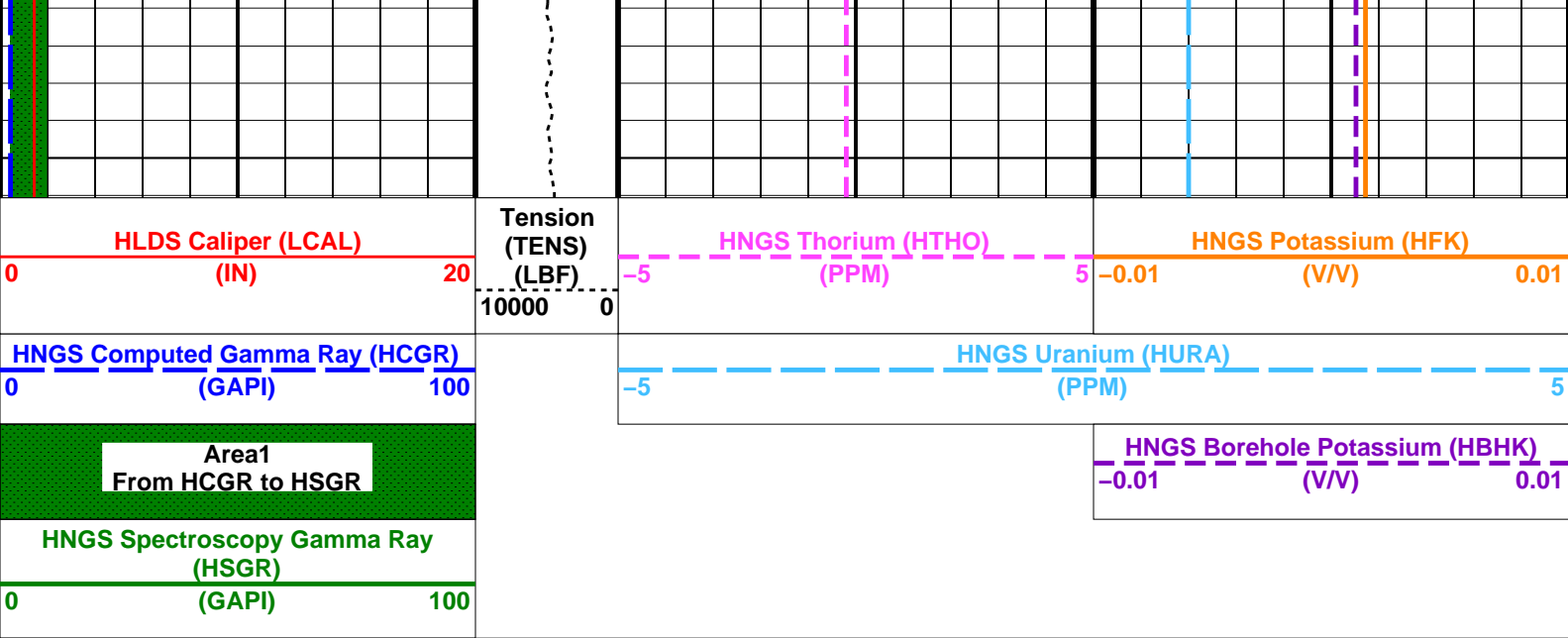












PIP SUMMARY

Time Mark Every 60 S

Parameters			
DLIS Name	Description	Value	
BHS	HRLT-B: High Resolution Laterolog Array - B		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	BS	
BHS	APS-C: Accelerator-Porosity Tool		
GCSE	Borehole Status	OPEN	
	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	-0.0147661	
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	1.03692	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998498	
BHS	EDTC-B: Enhanced DTS Cartridge		
GCSE	Borehole Status	OPEN	
	Generalized Caliper Selection	BS	
BS	System and Miscellaneous		
DFD	Bit Size	9.875	IN
DO	Drilling Fluid Density	1.02	G/C3
PP	Depth Offset for Playback	0.0	M
	Playback Processing	NORMAL	

Format: HNGSYields Vertical Scale: 1:200 Graphics File Created: 09-Aug-2023 17:31

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

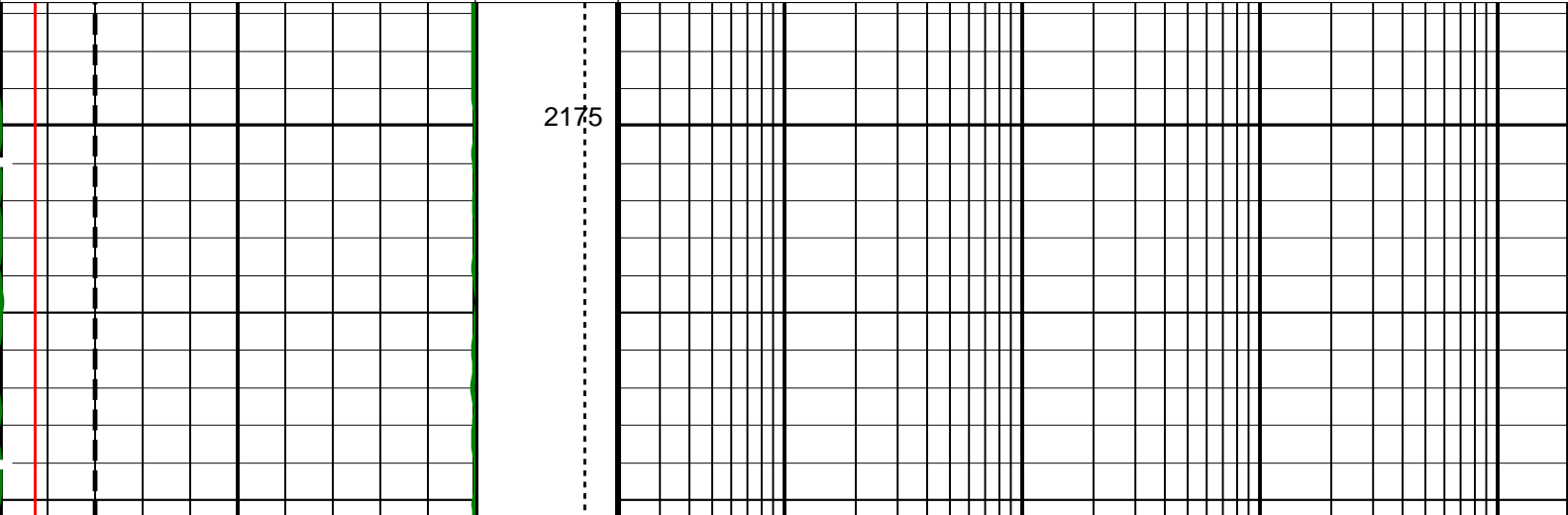
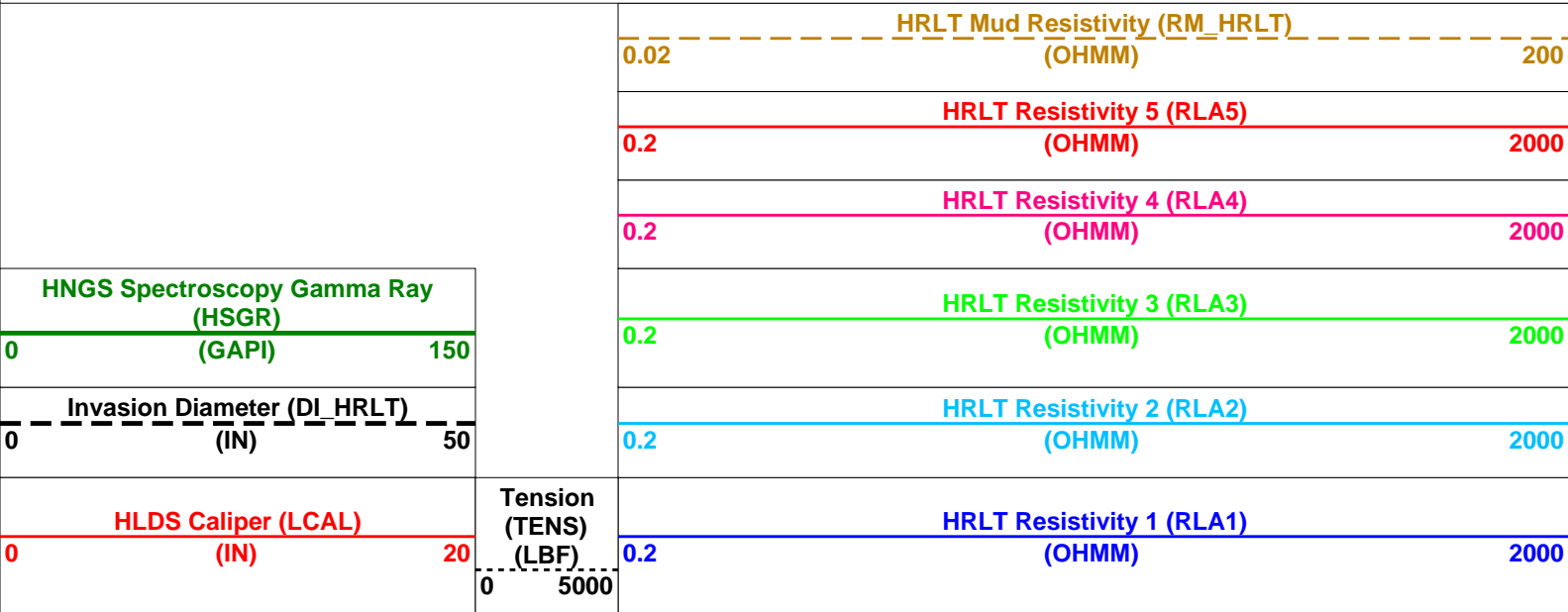
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DEFAULT	MSS_LDEO_HRLA_LDL_025PUP	FN:27	PRODUCER	09-Aug-2023 17:31	
RTB	MSS_LDEO_HRLA_LDL_025PUP	FN:28	PRODUCER	09-Aug-2023 17:31	

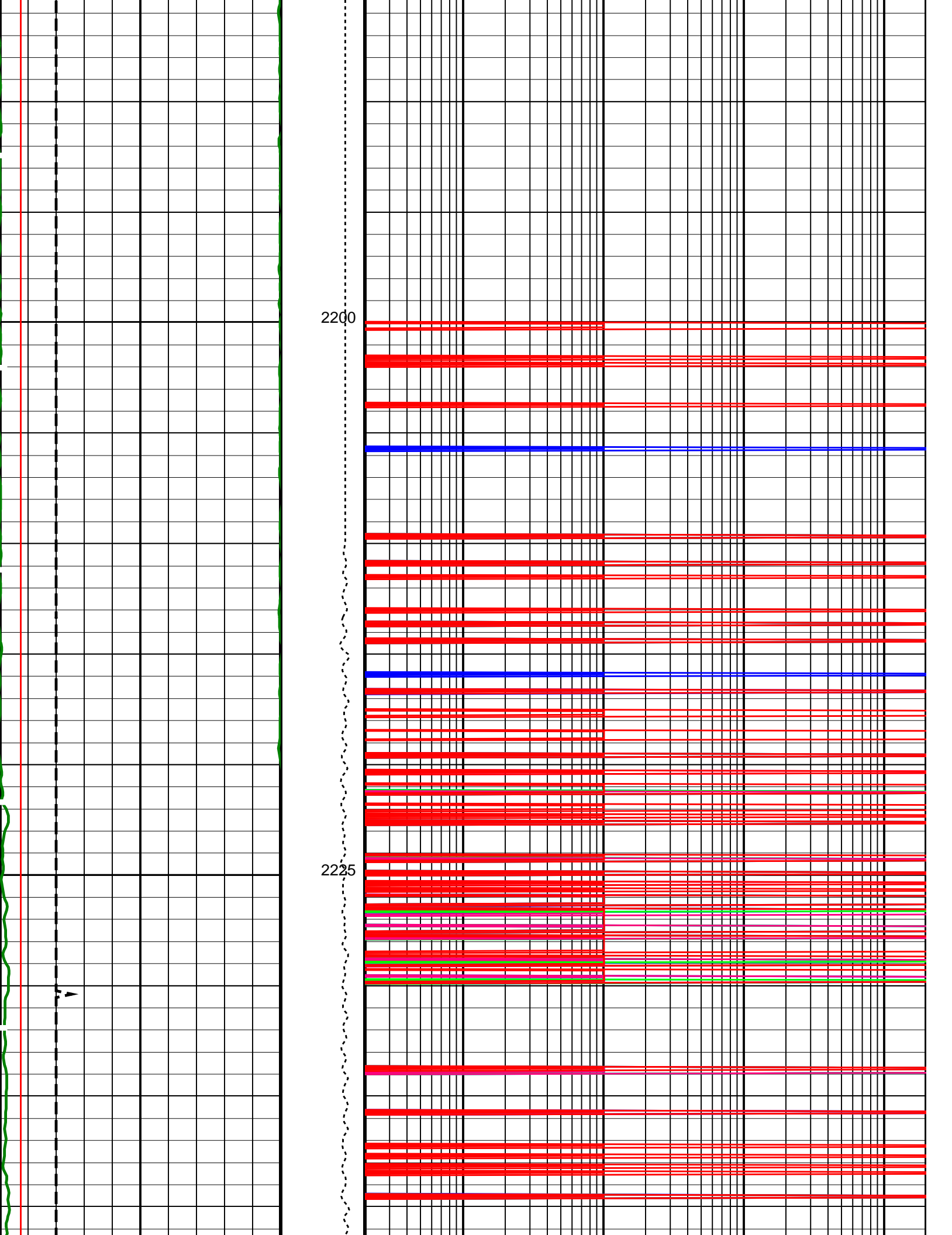
Company: International Ocean Discovery Program	Well: Expedition 395, Site U1564F
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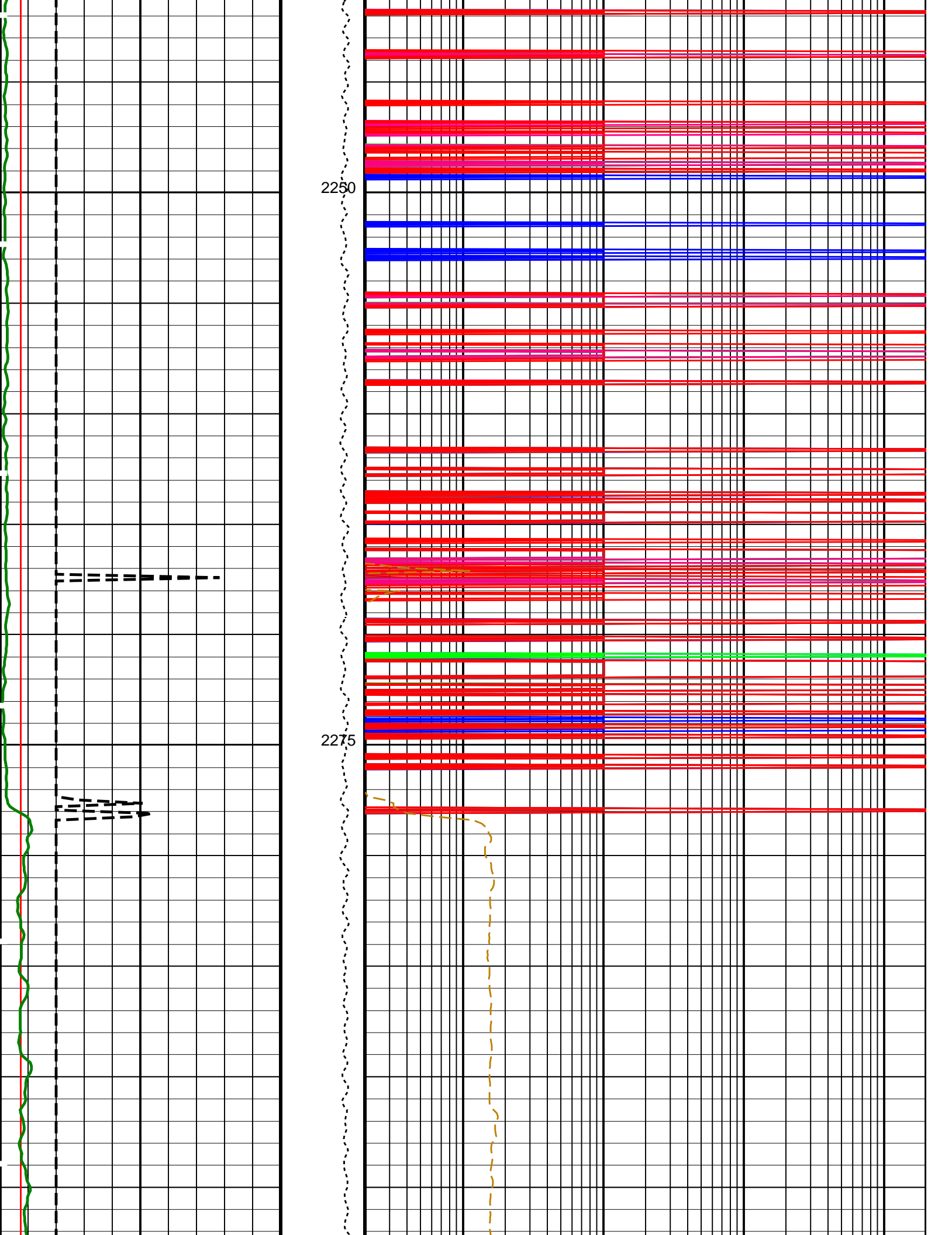
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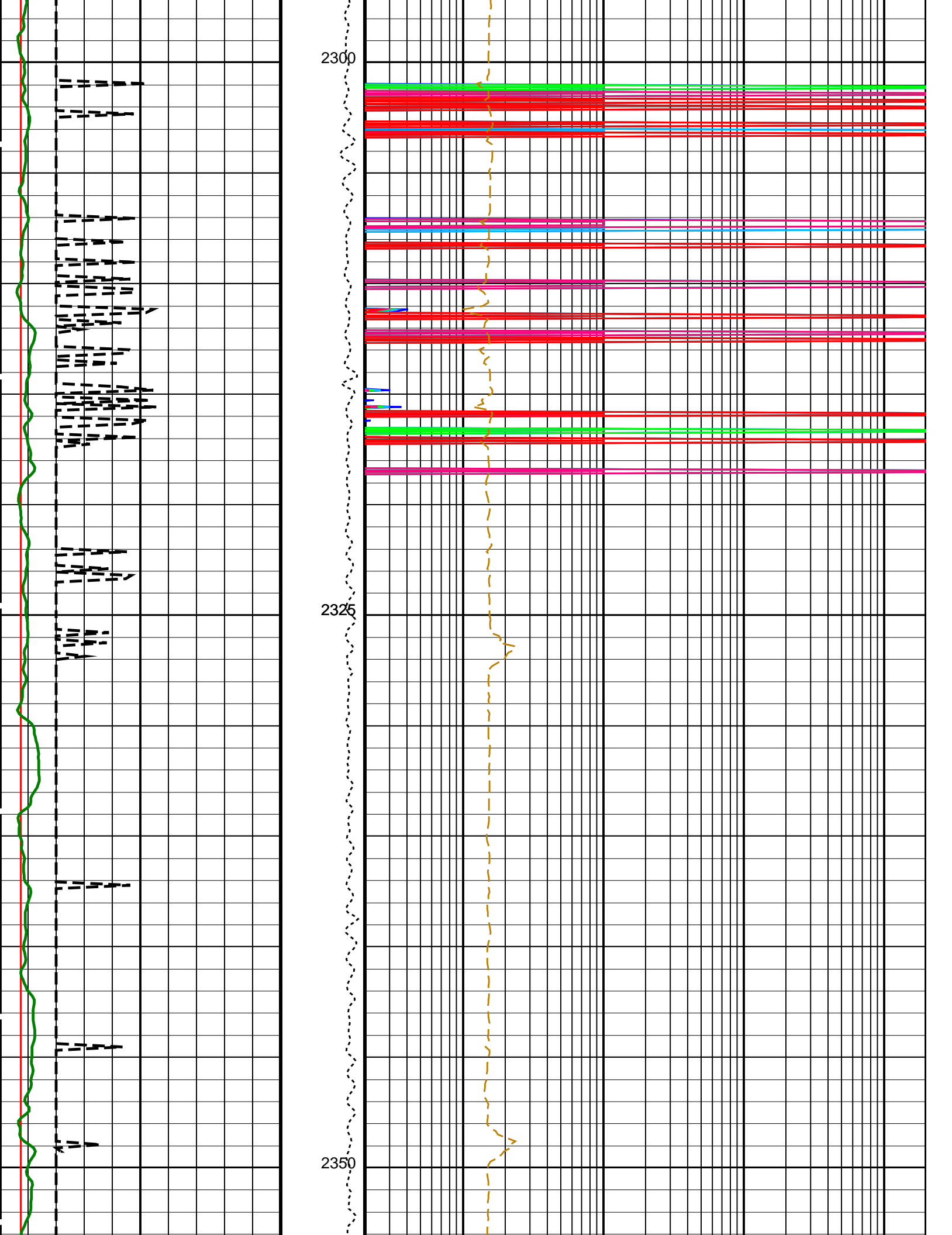
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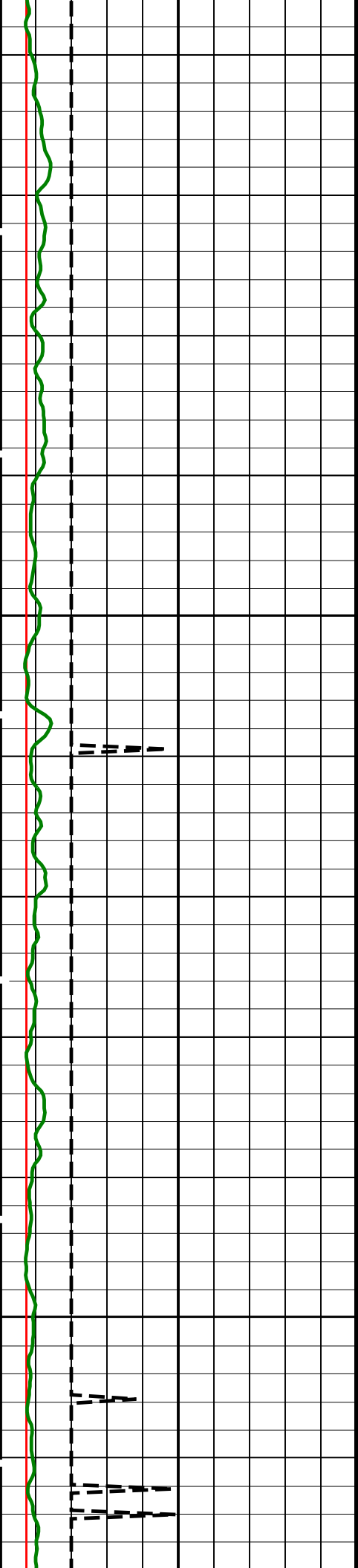
PIP SUMMARY	
 Time Mark Every 60 S	





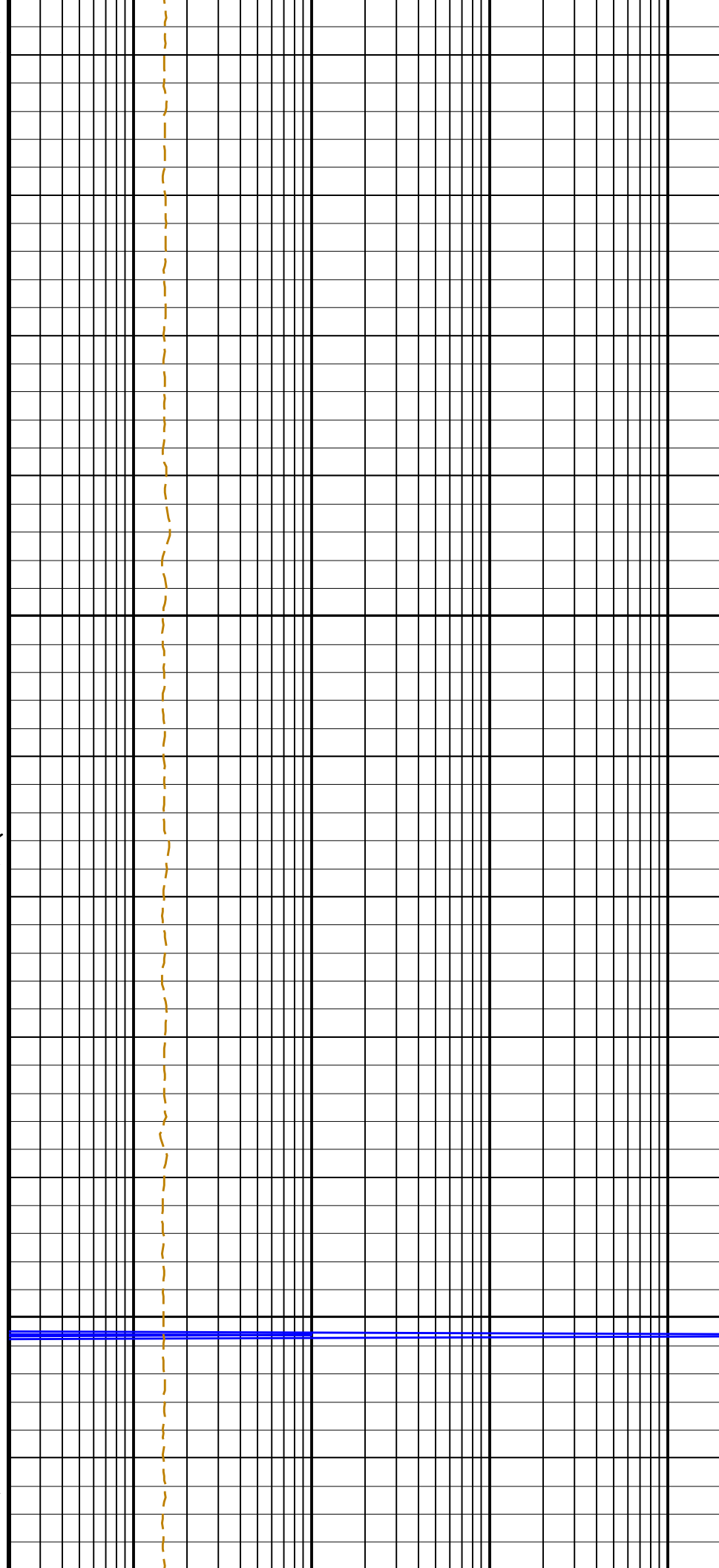


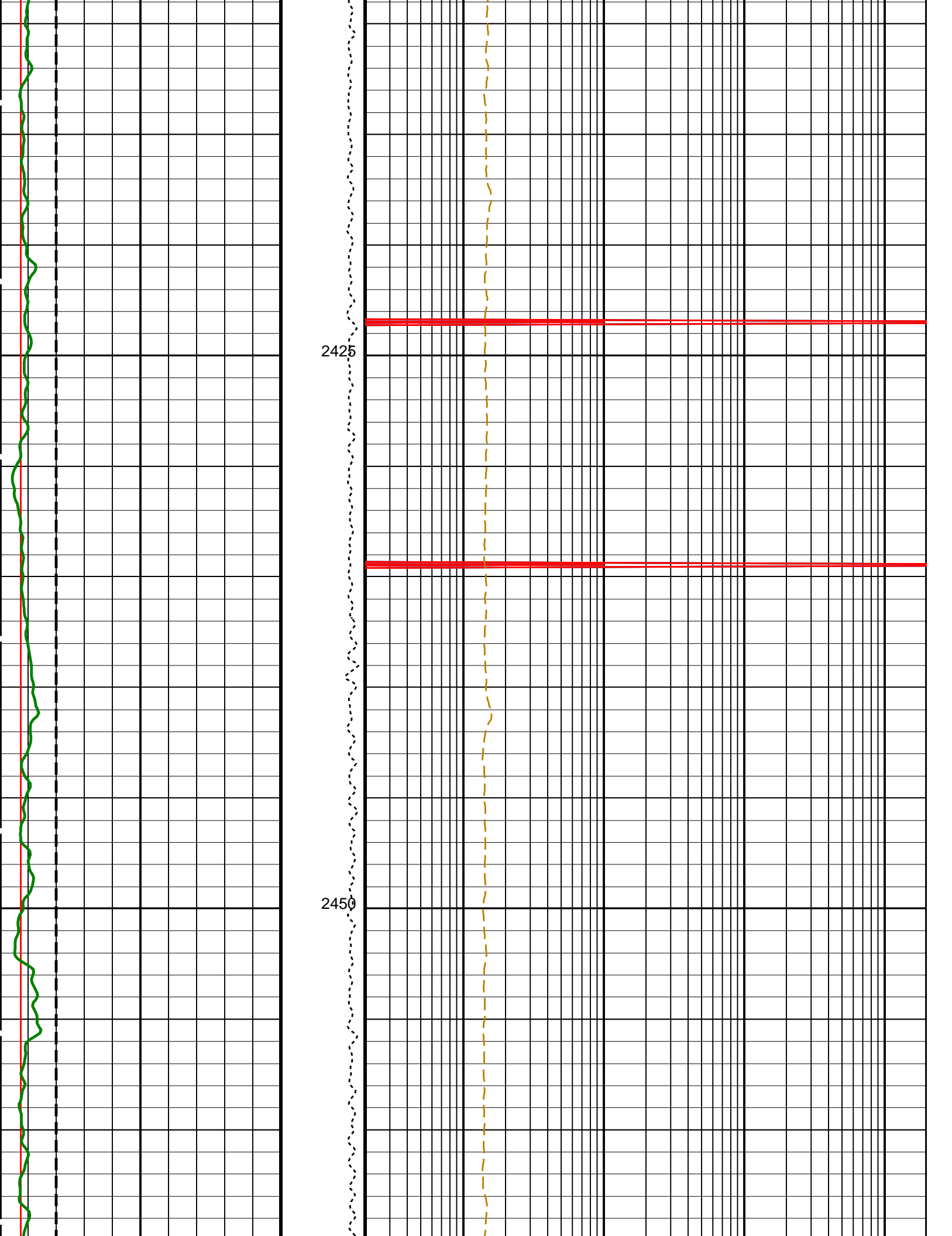


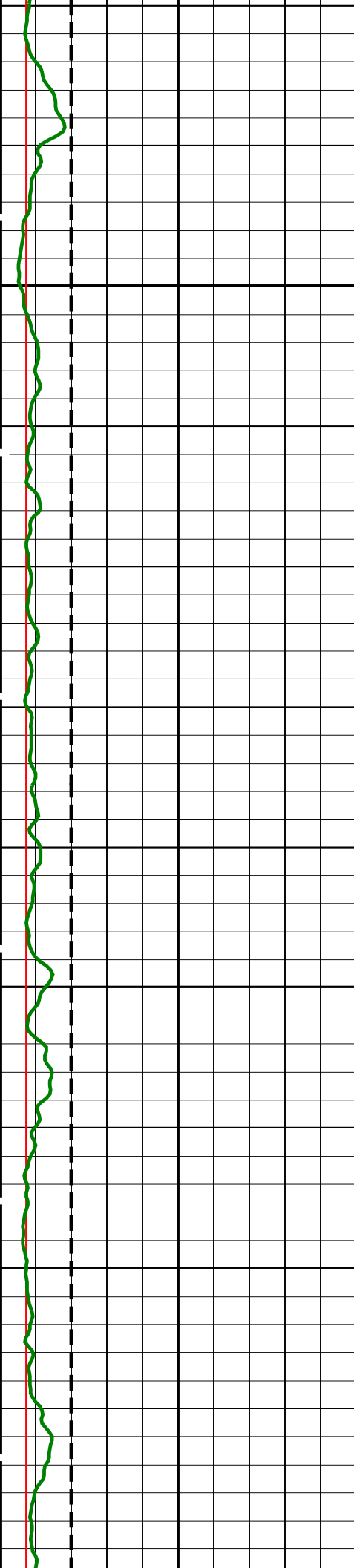


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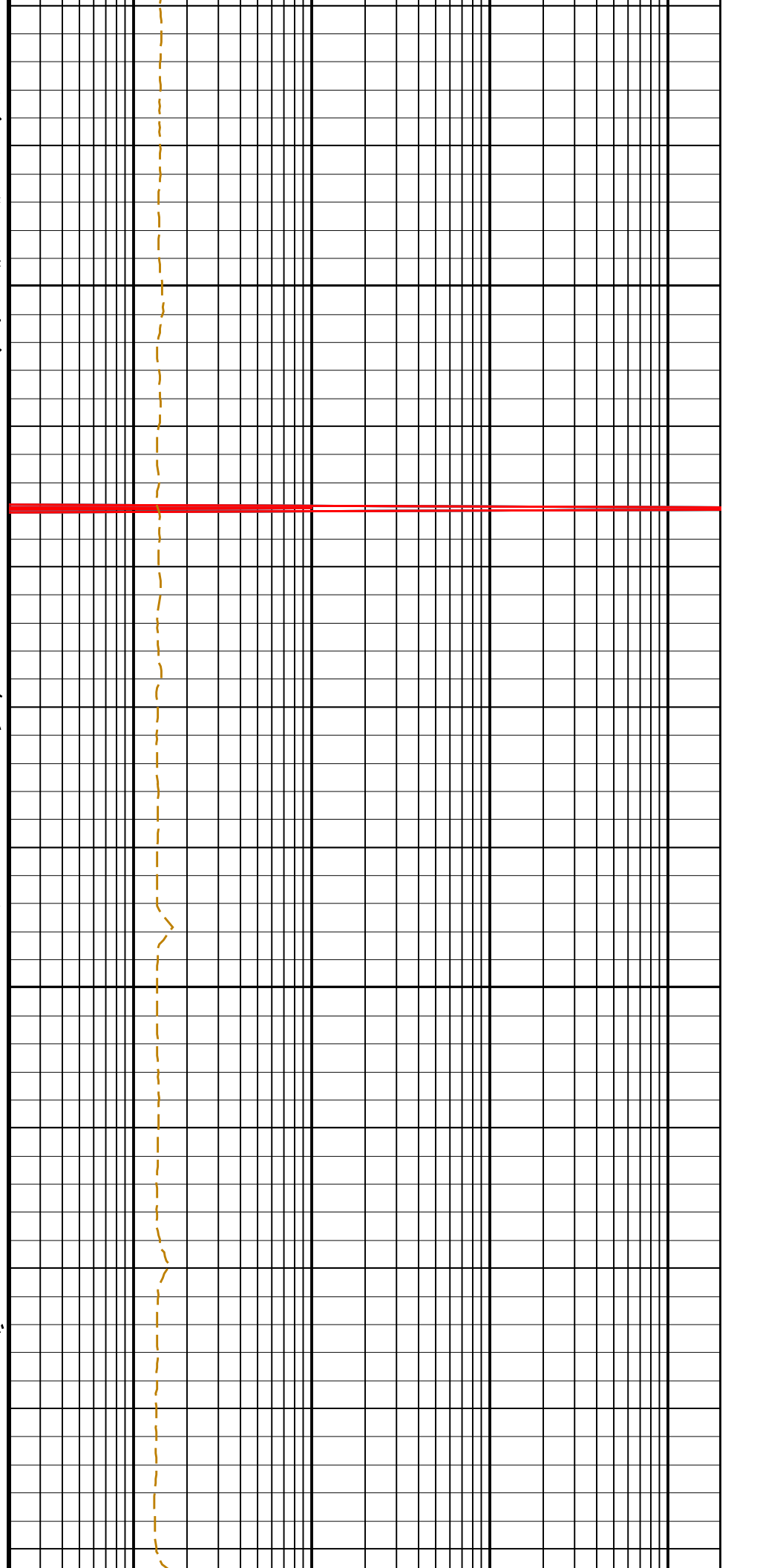


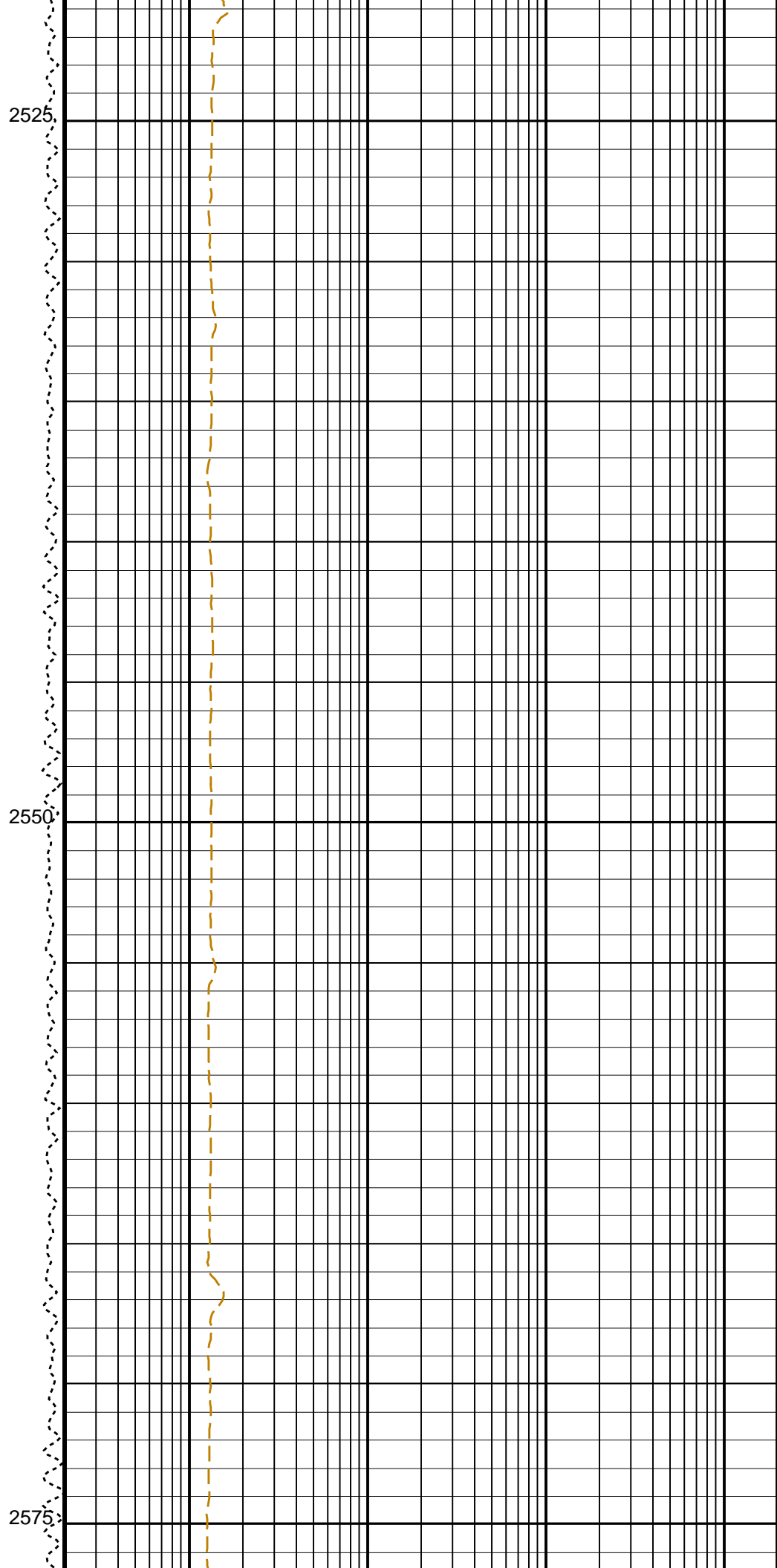
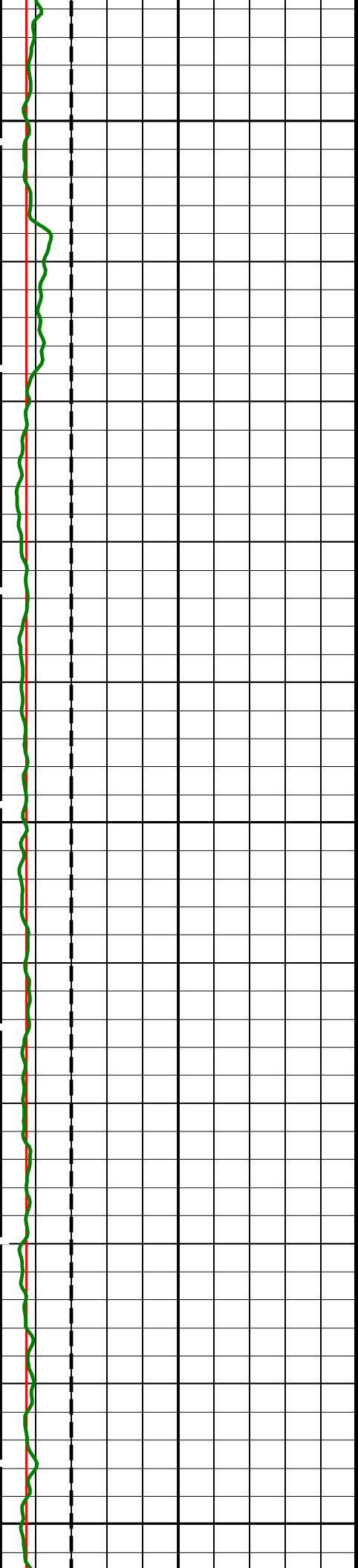




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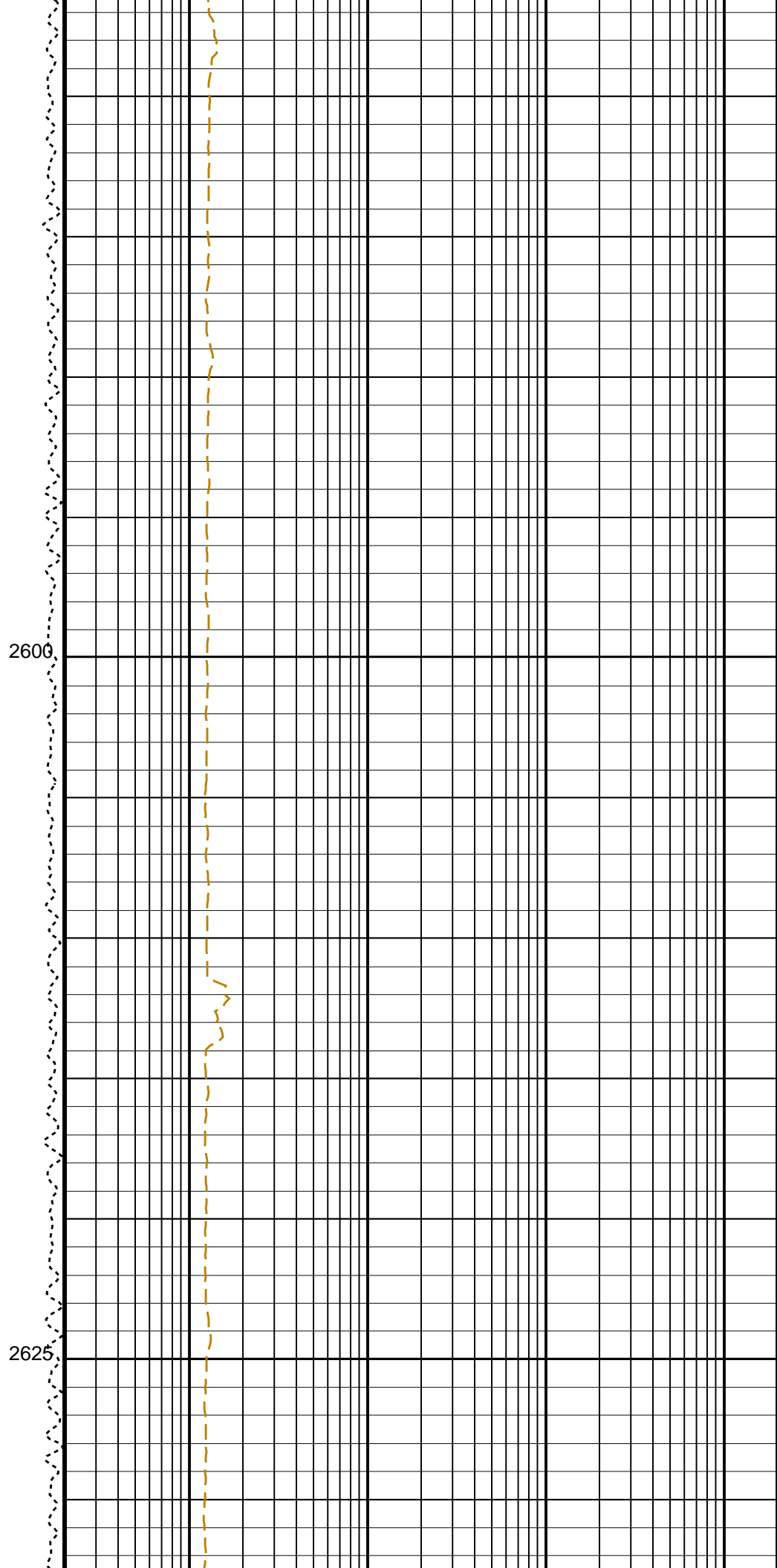
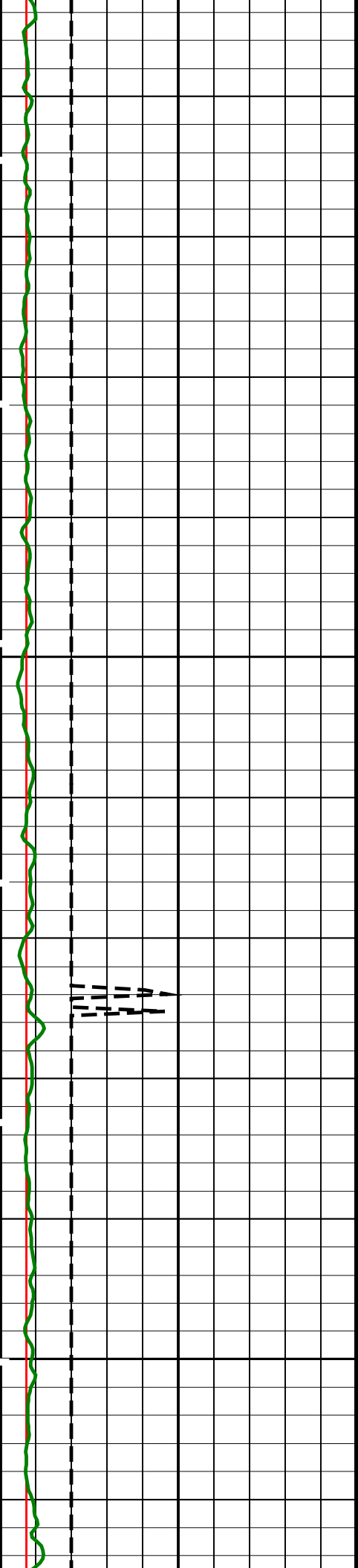


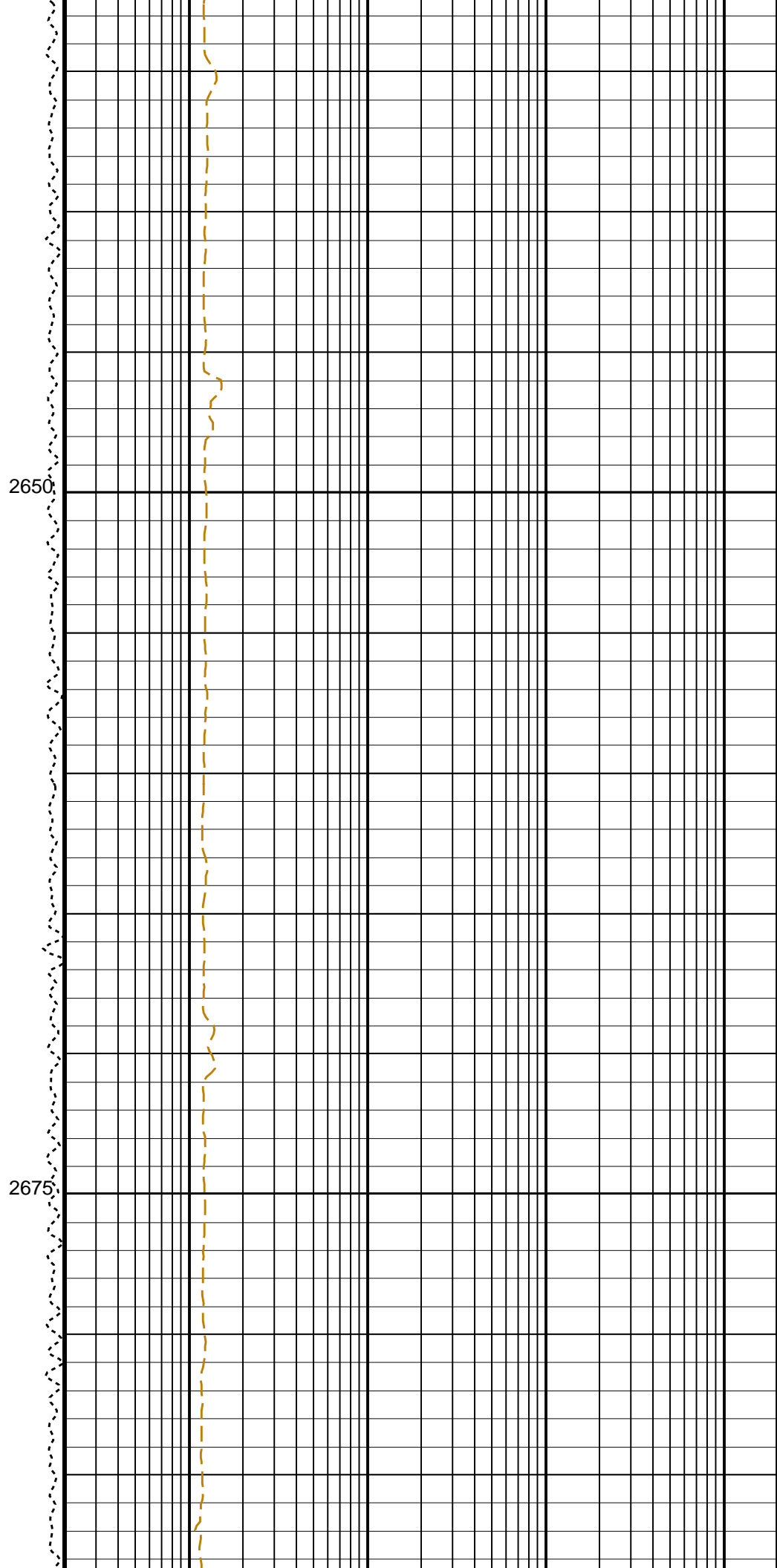
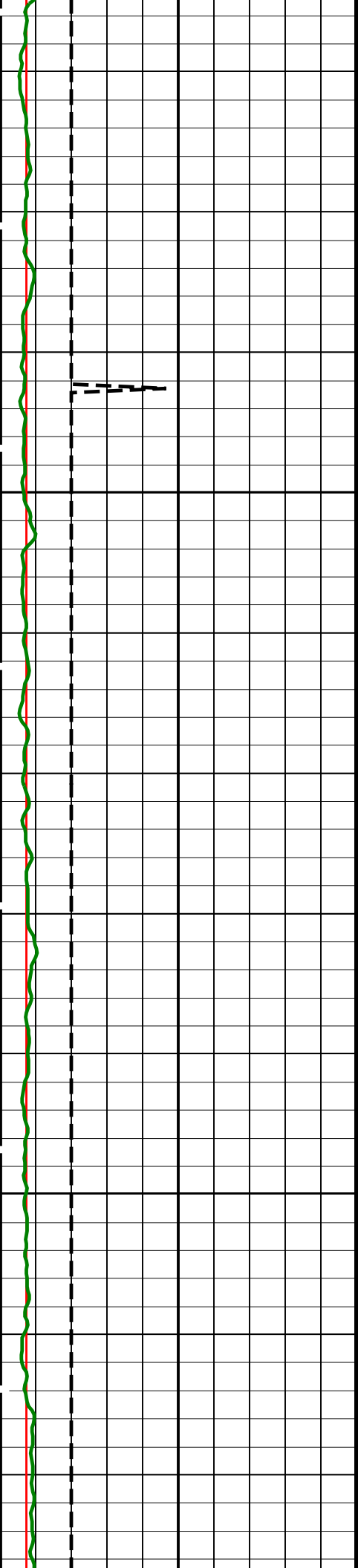


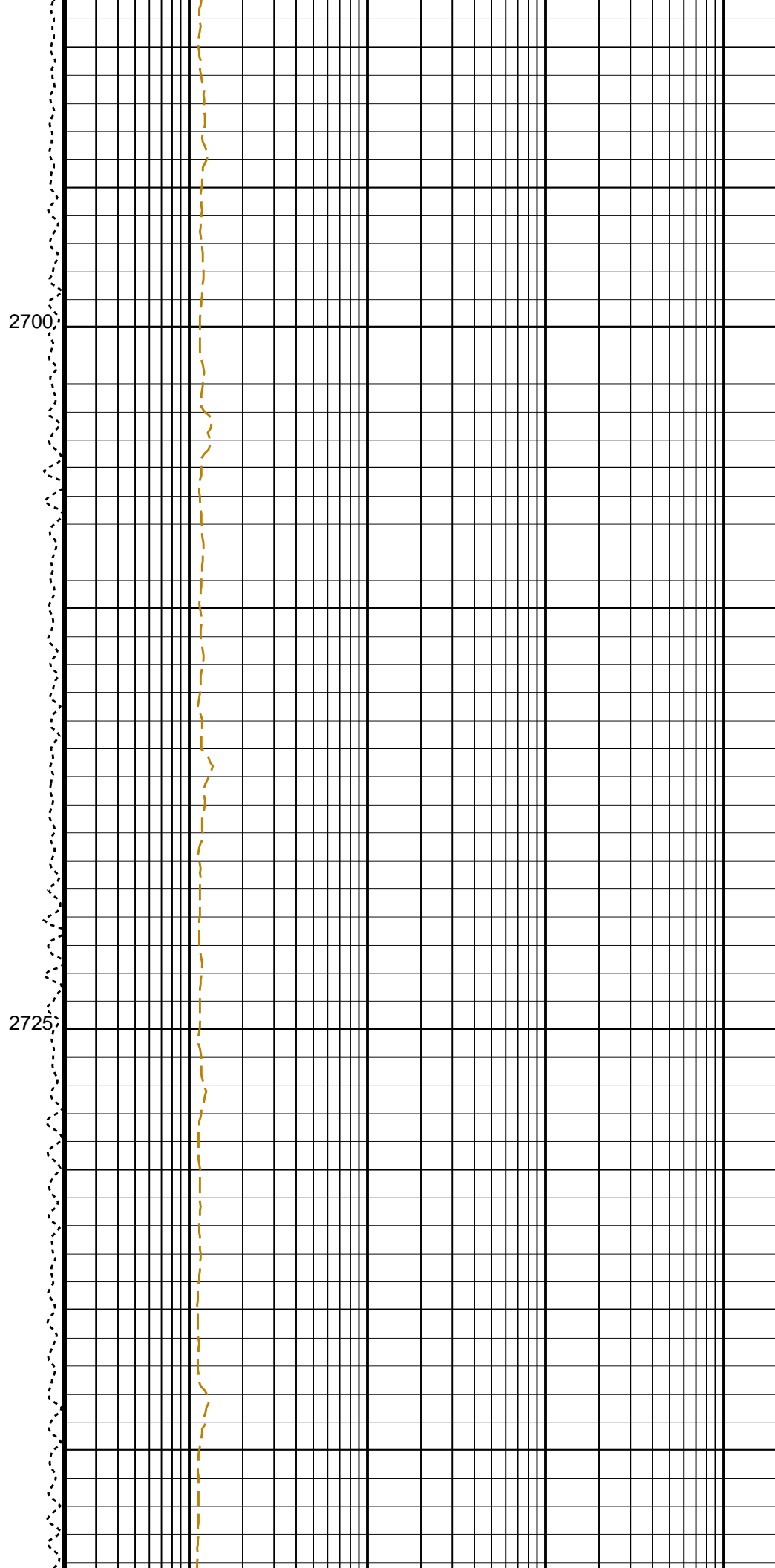
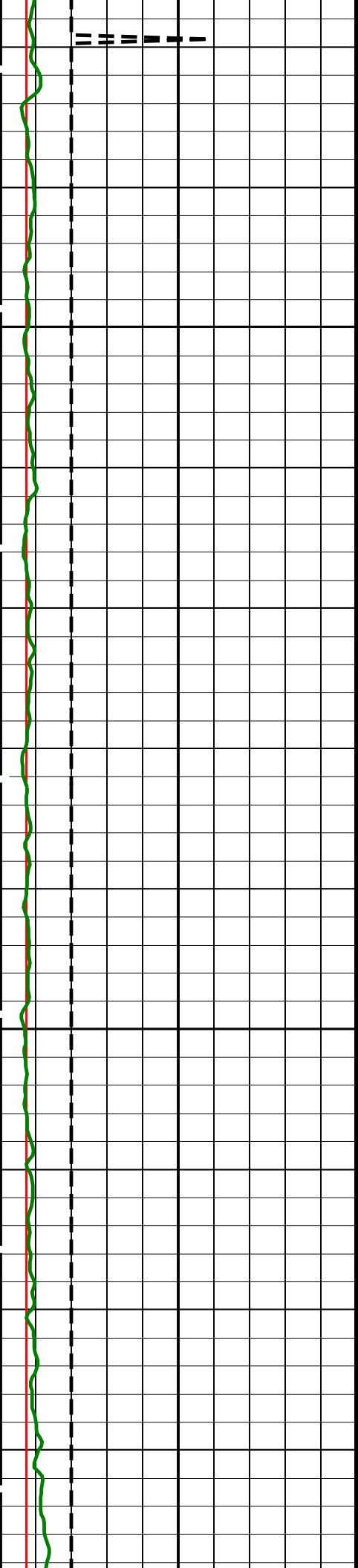
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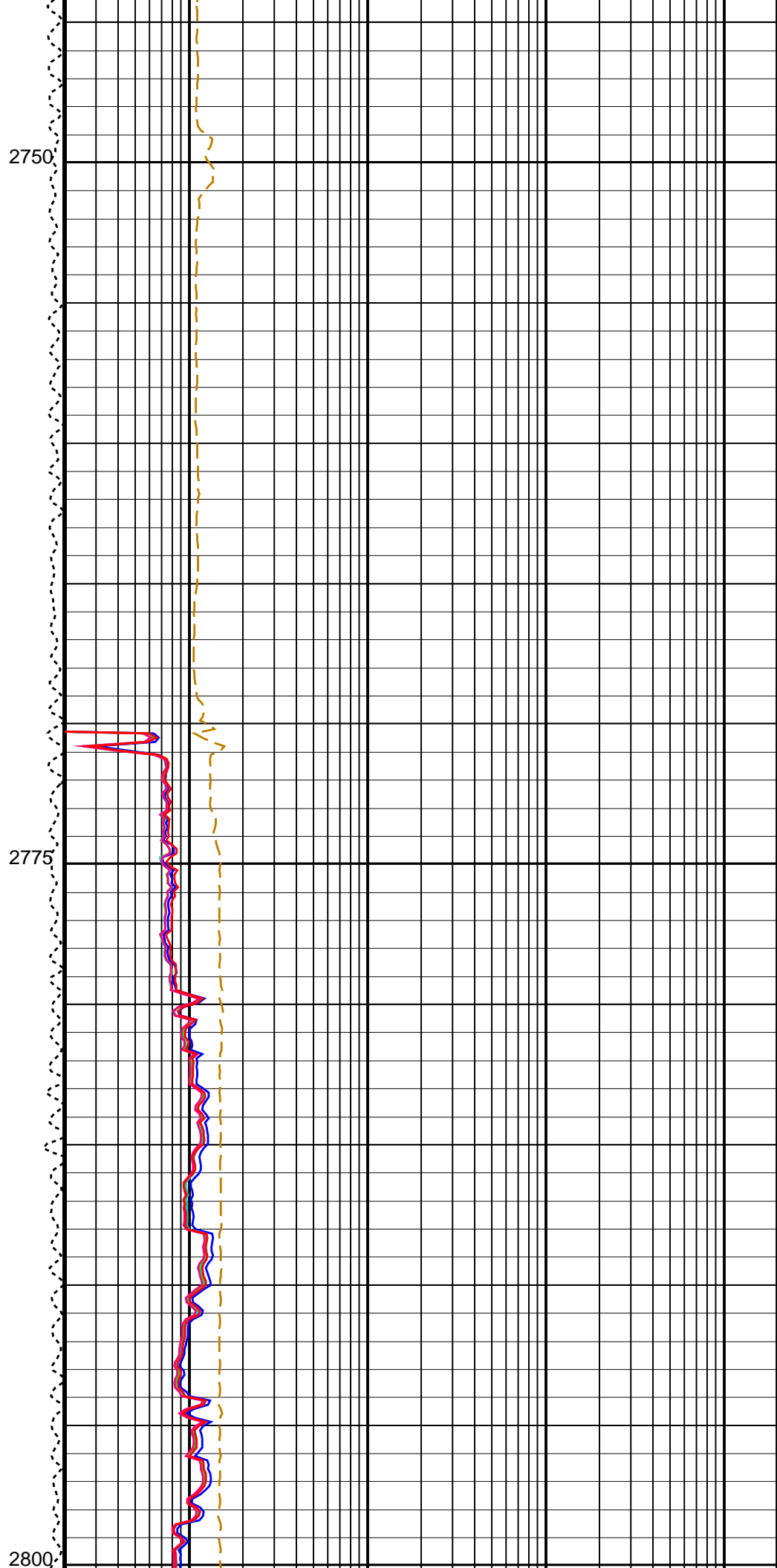
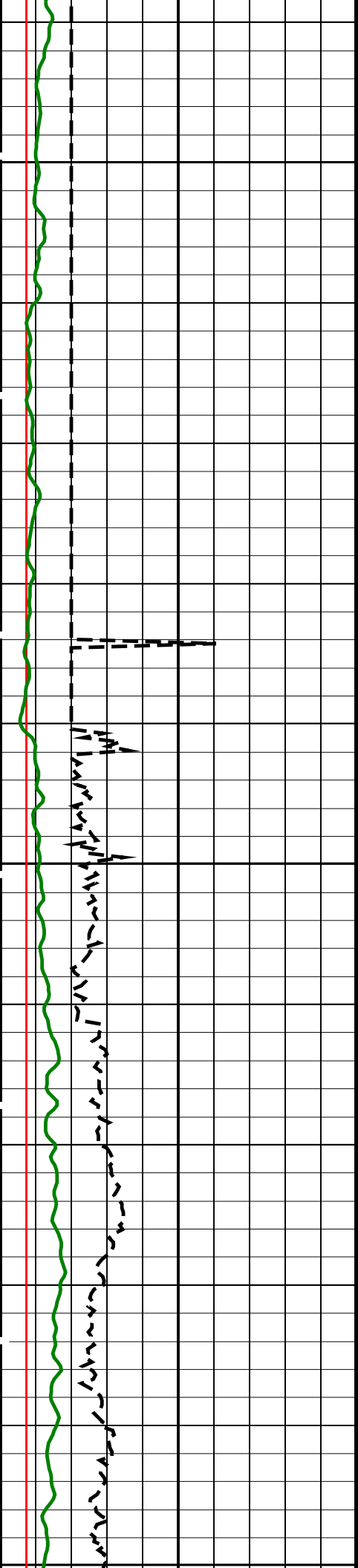
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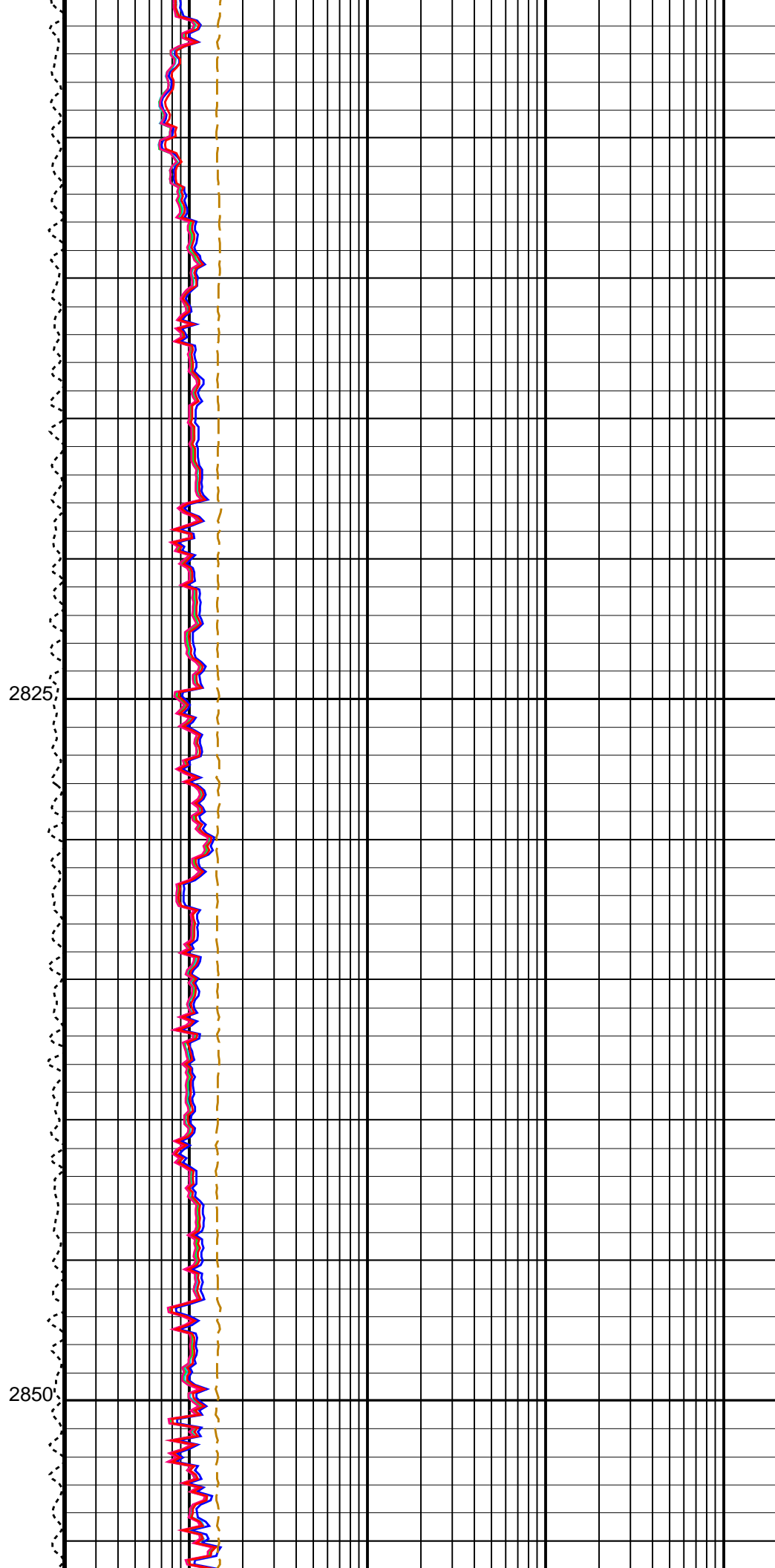
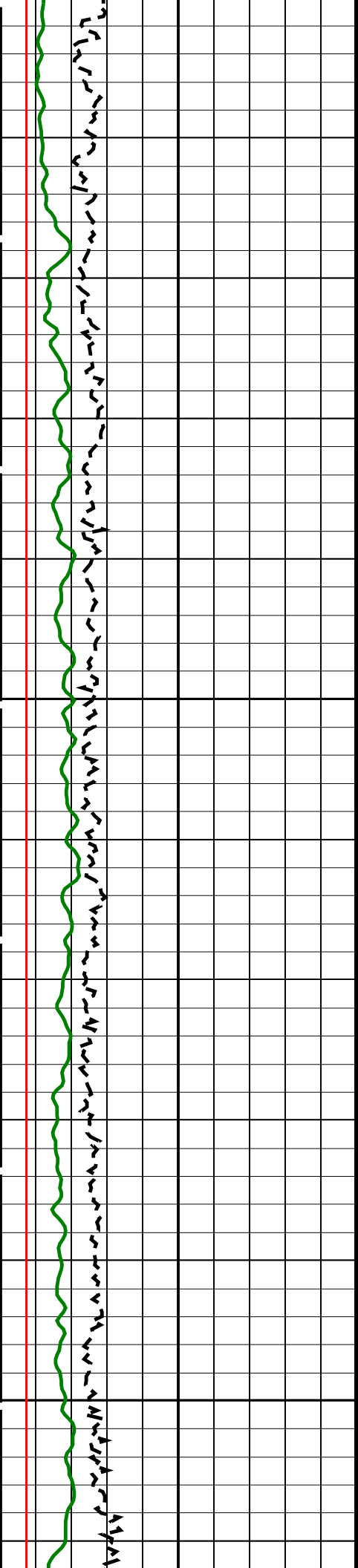
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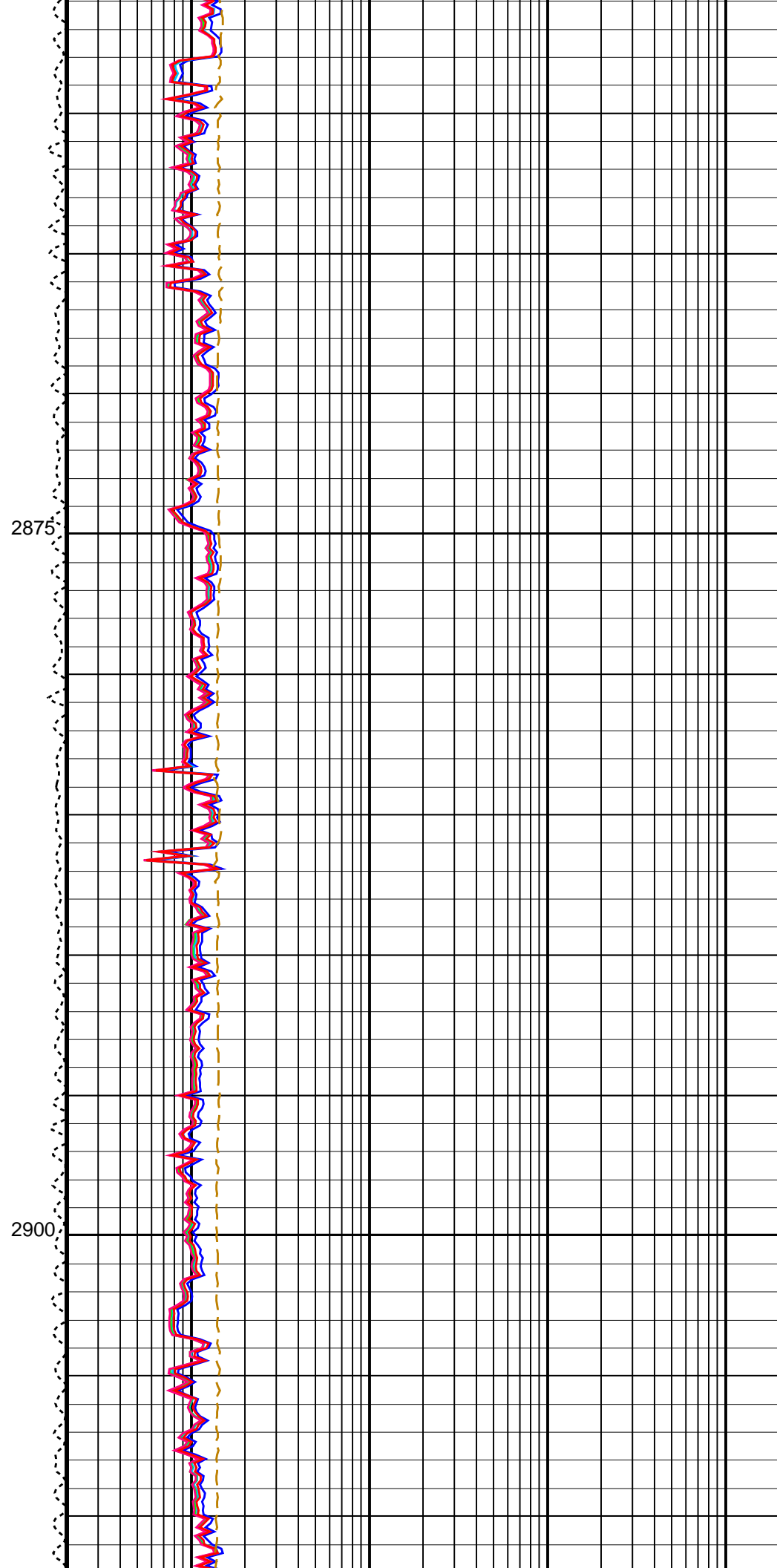
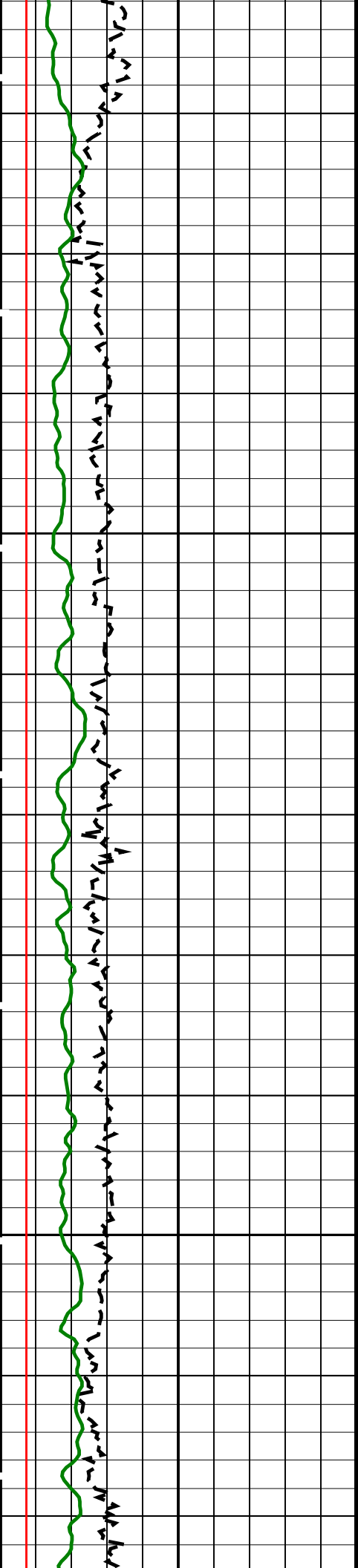


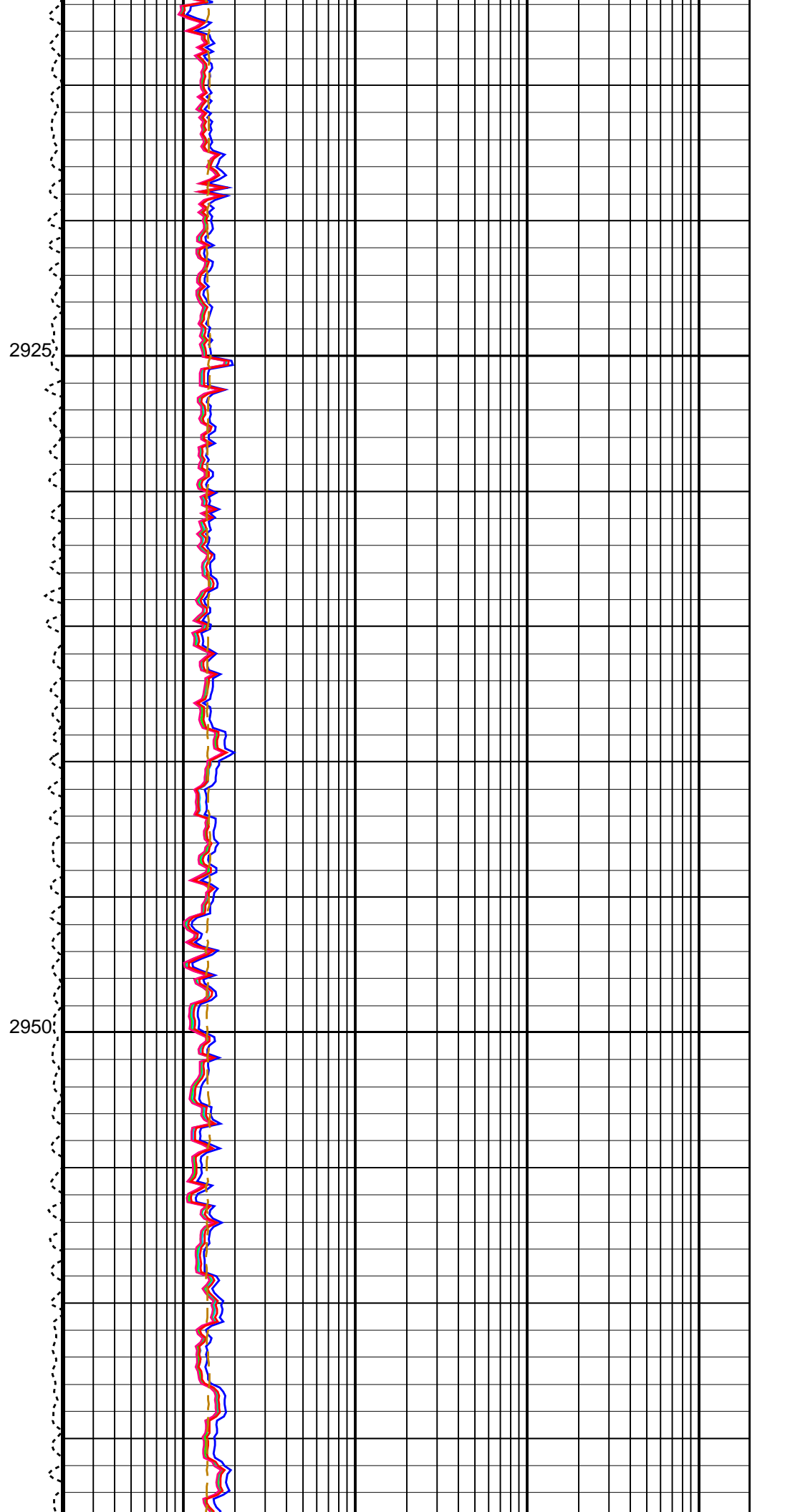
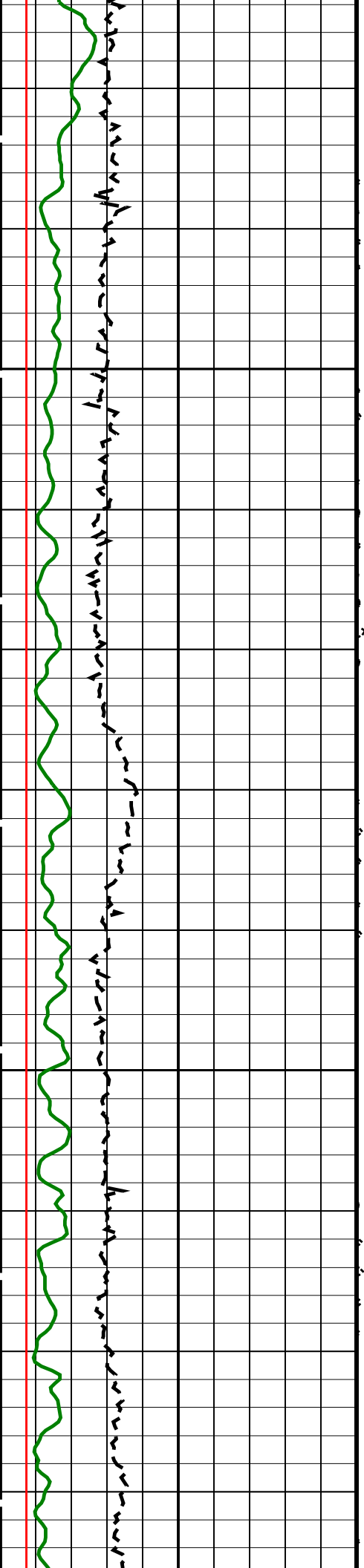


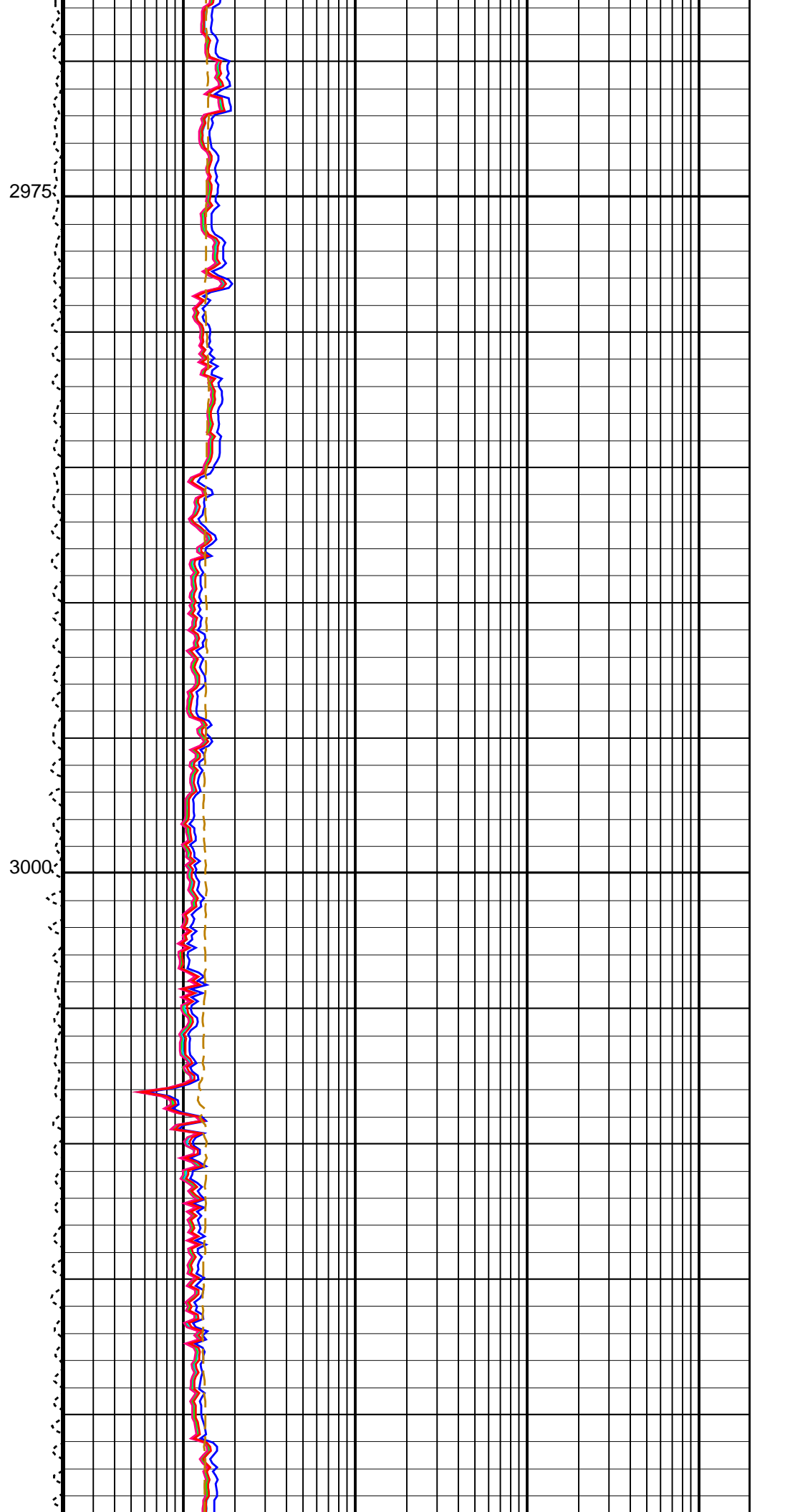
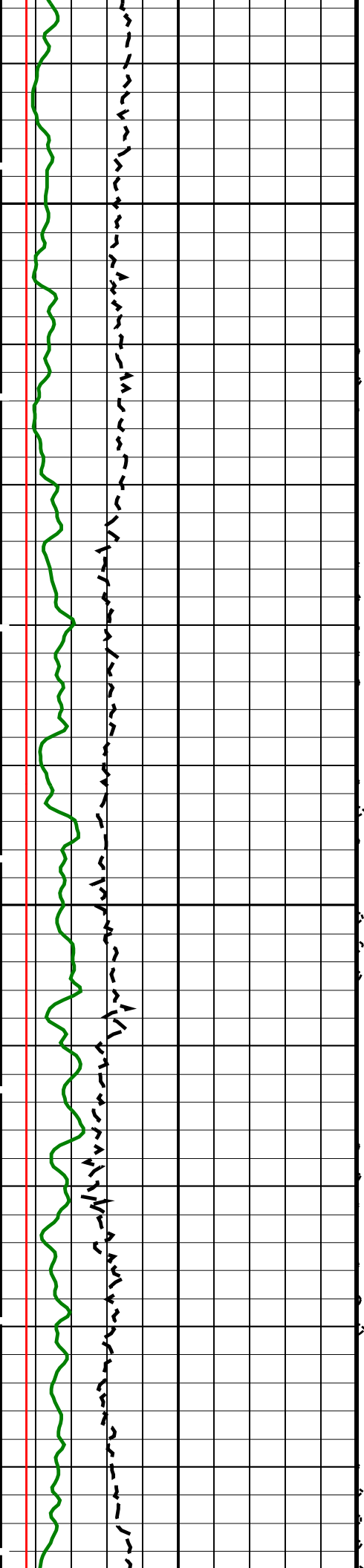


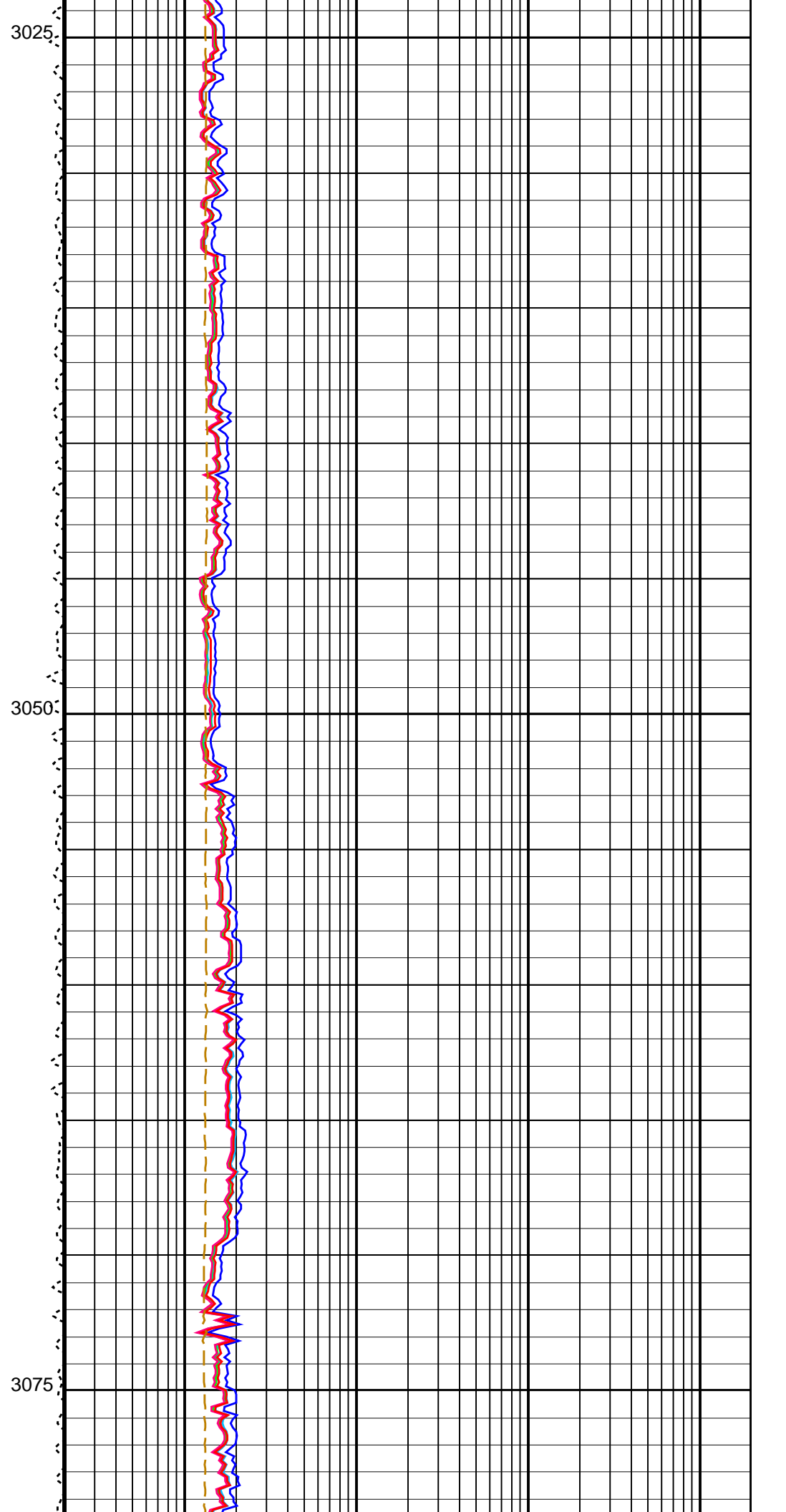
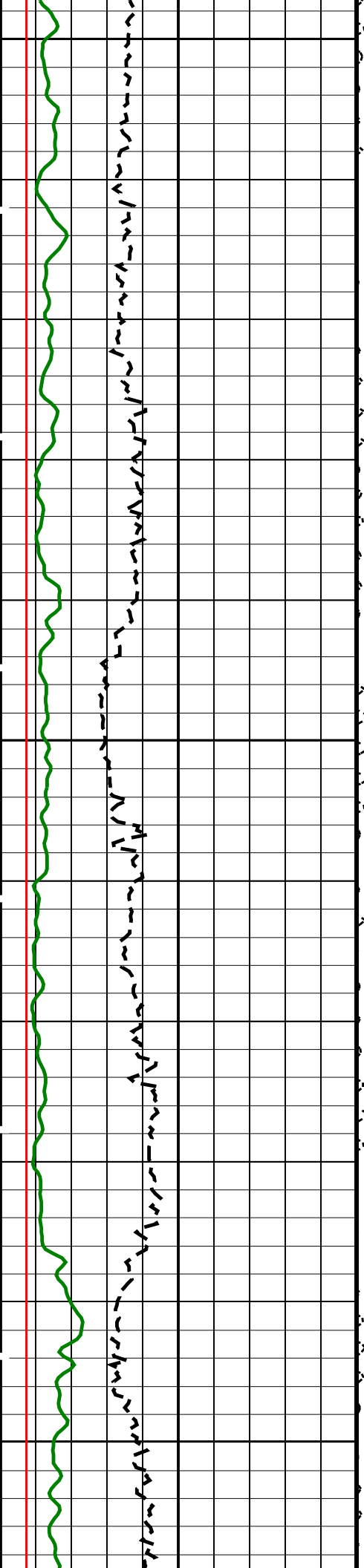


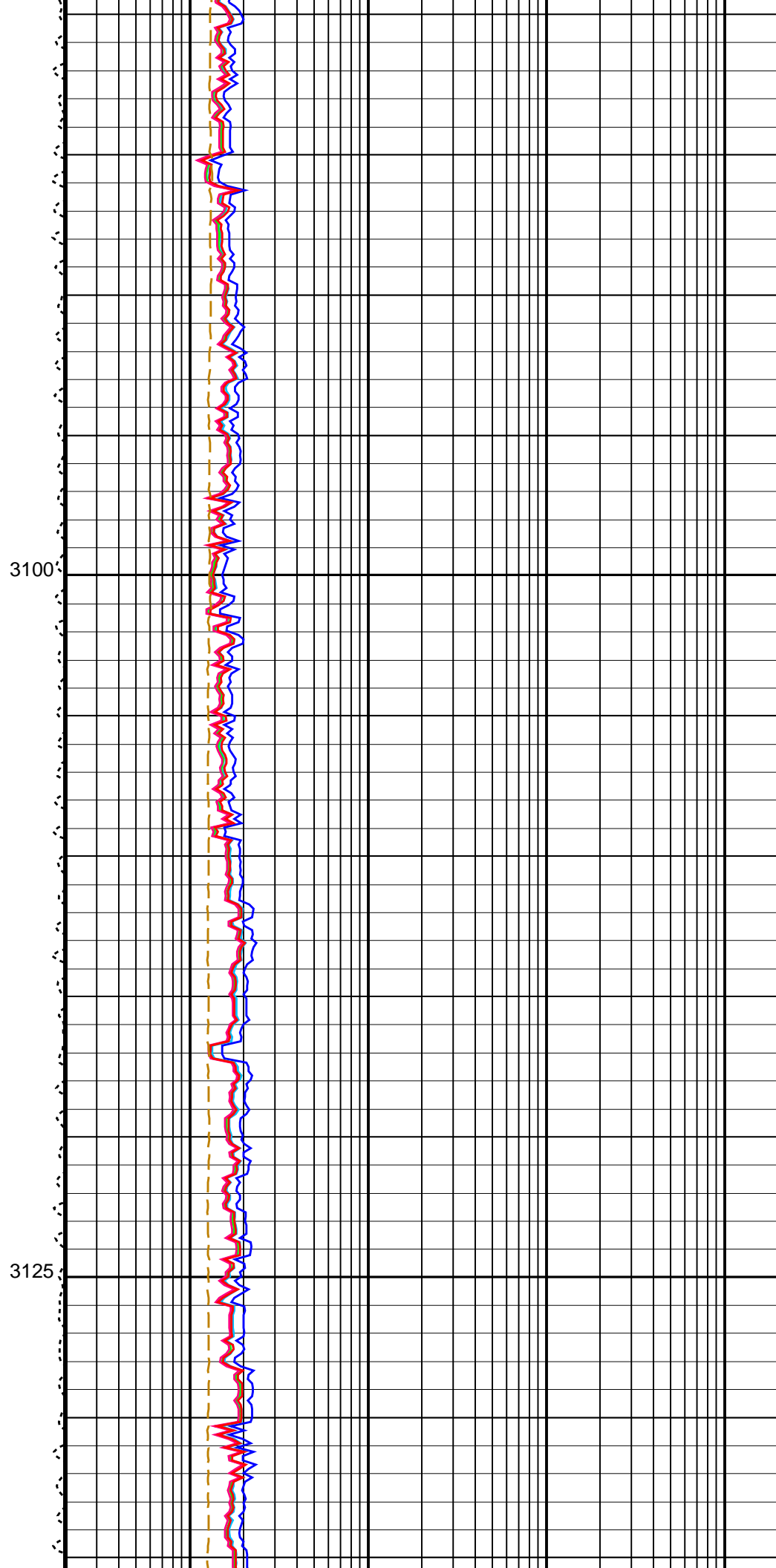
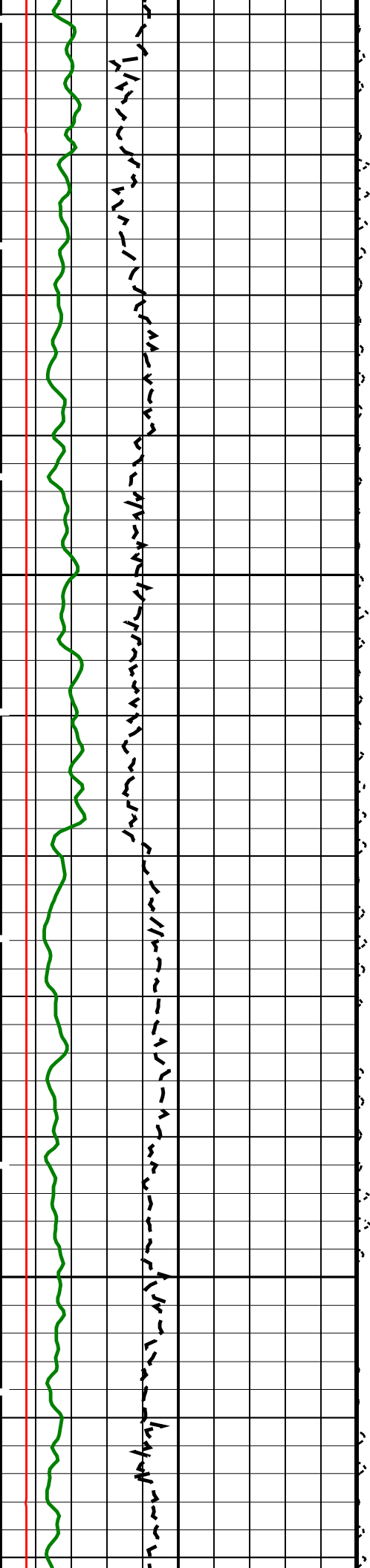


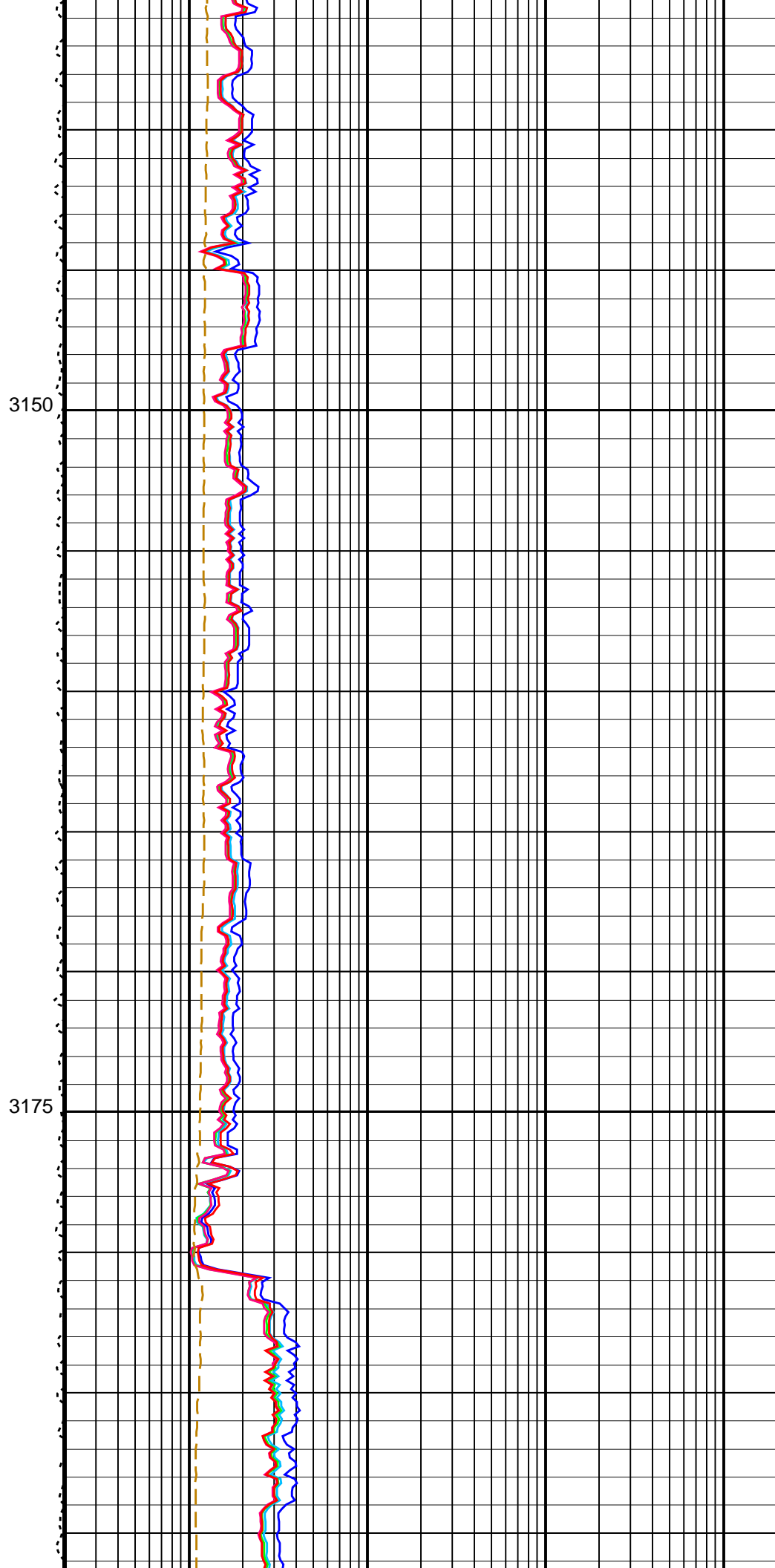
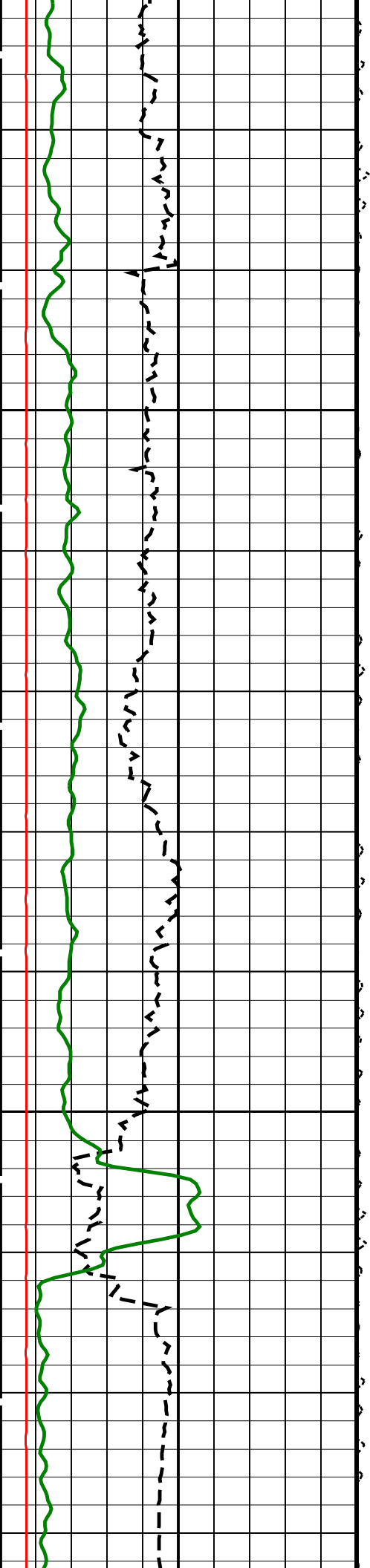


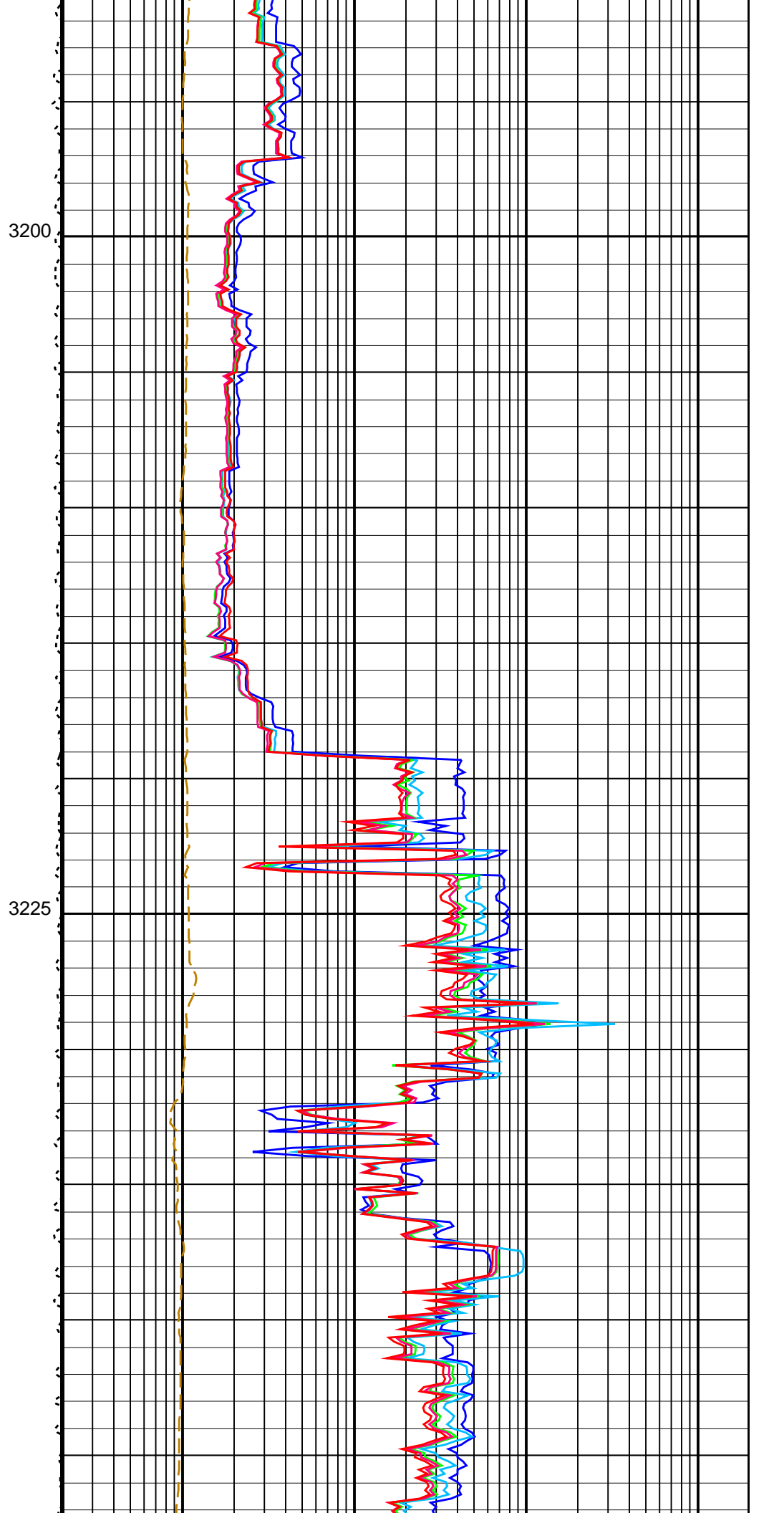
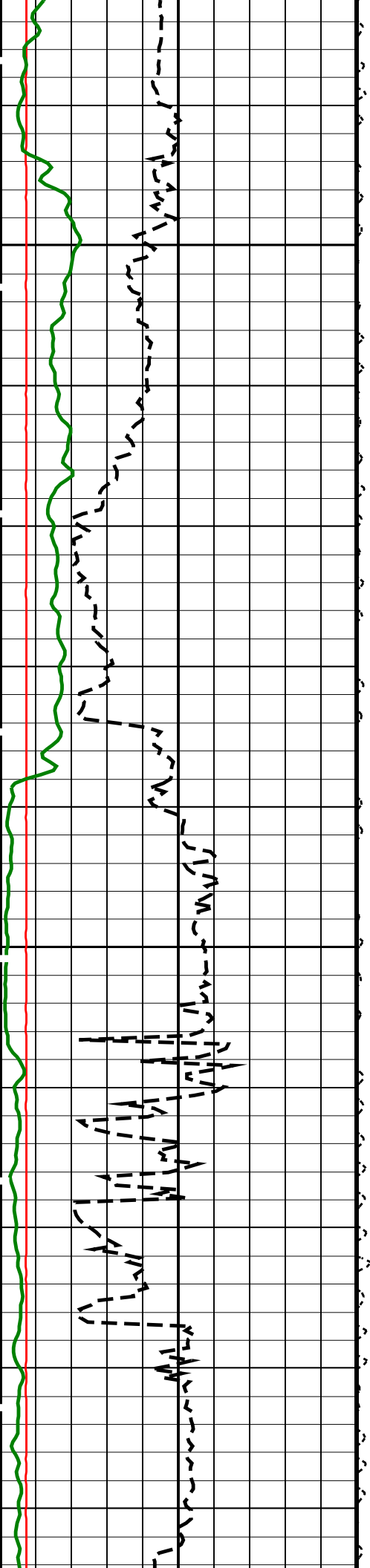


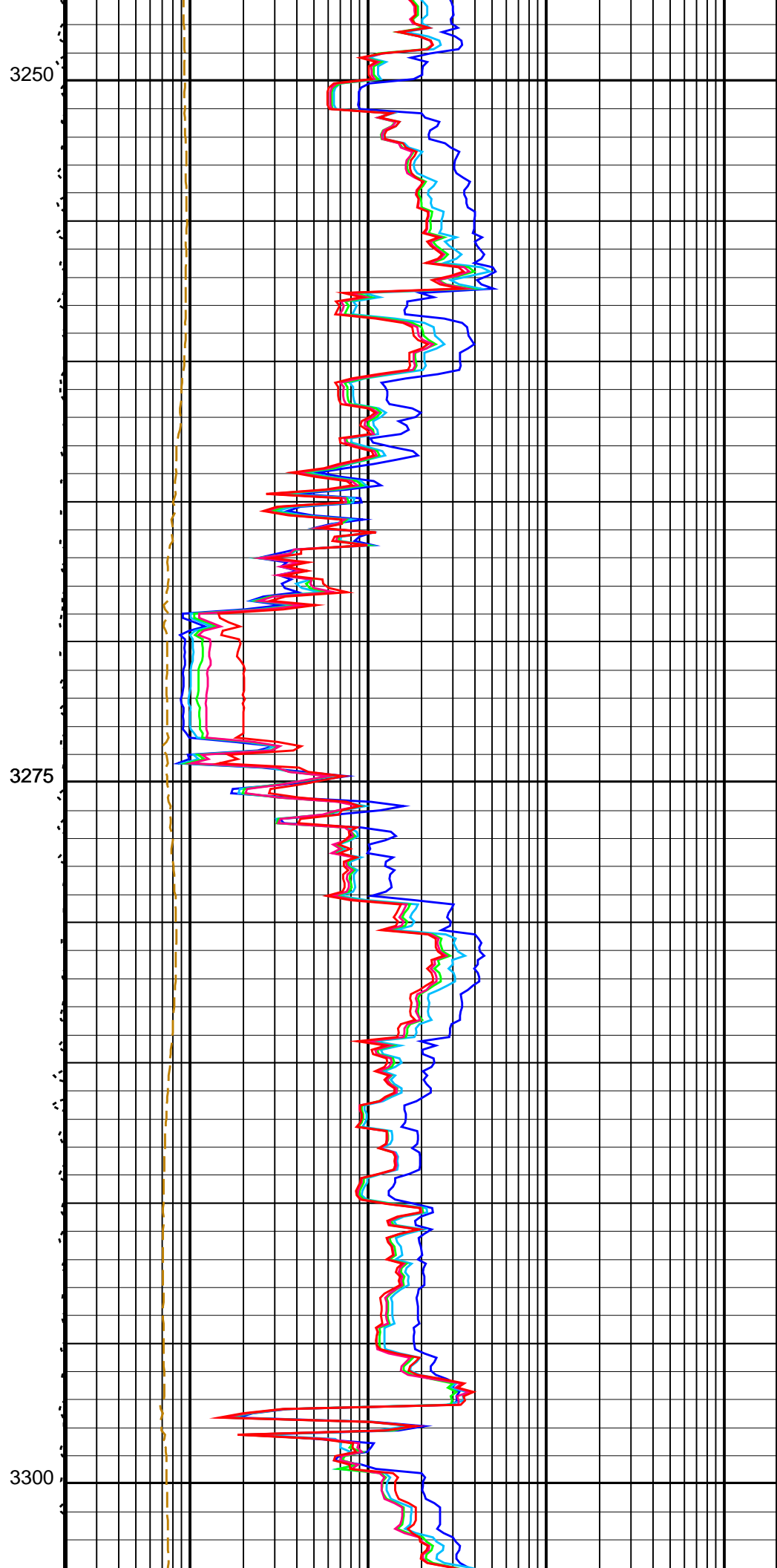
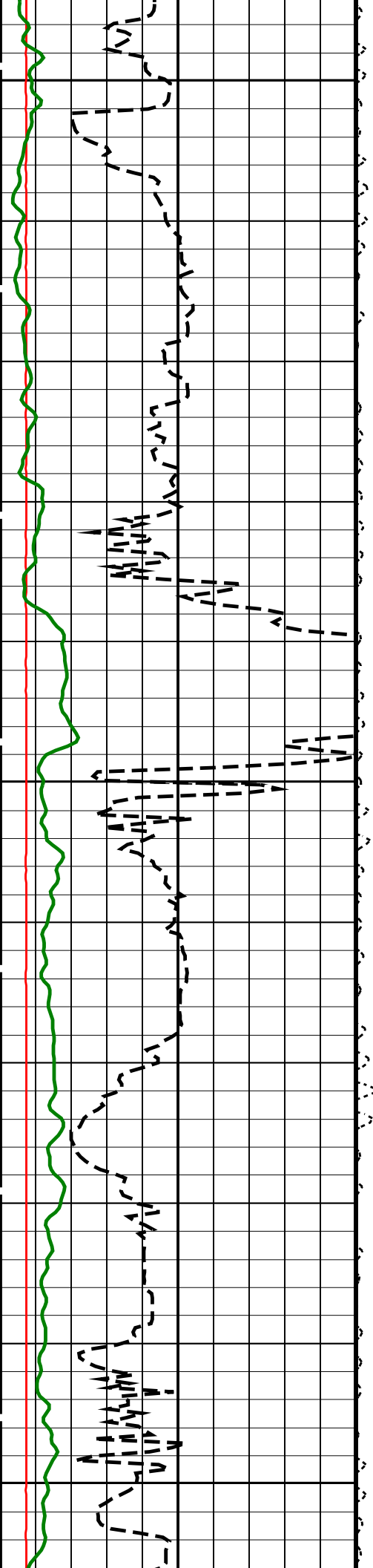


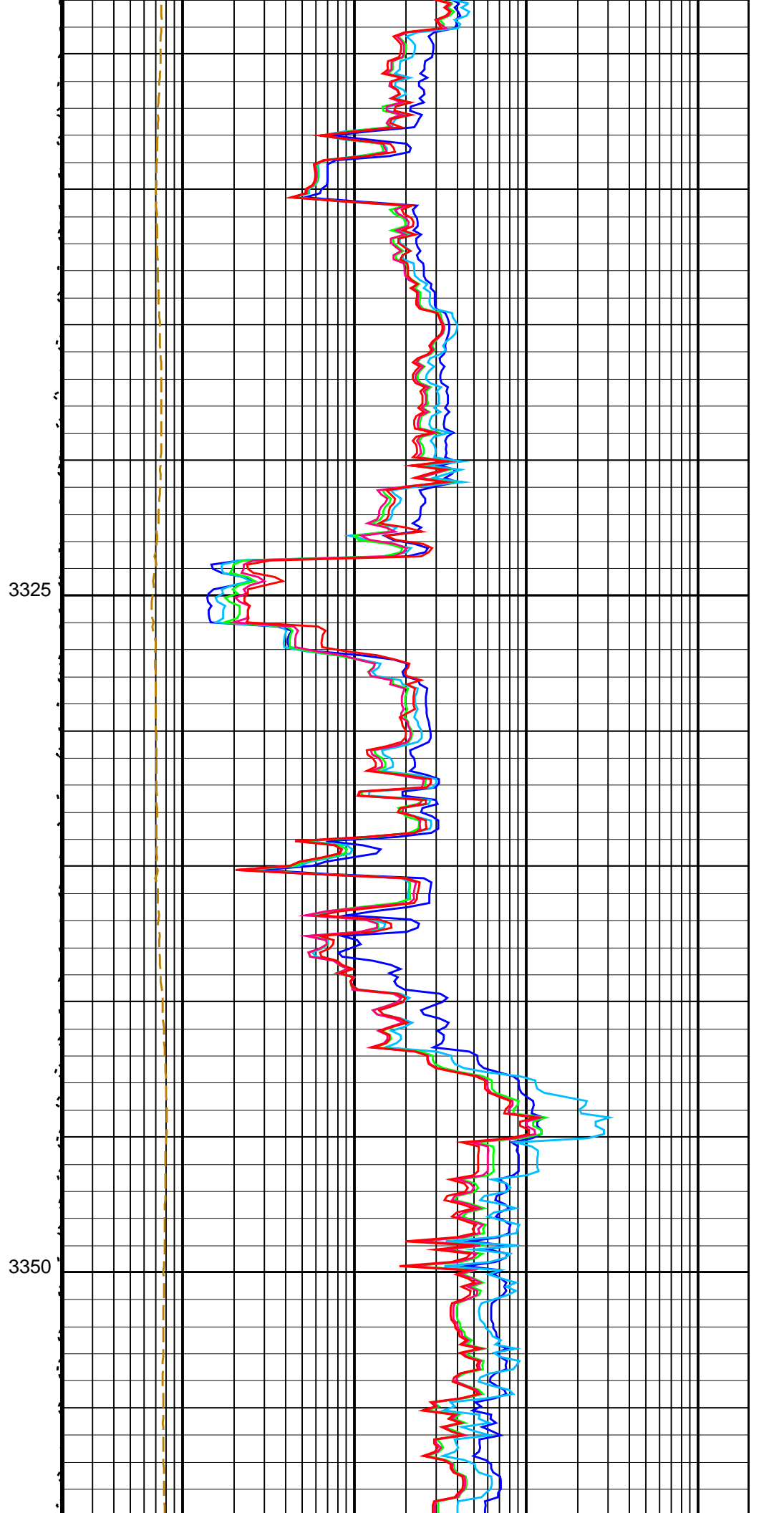
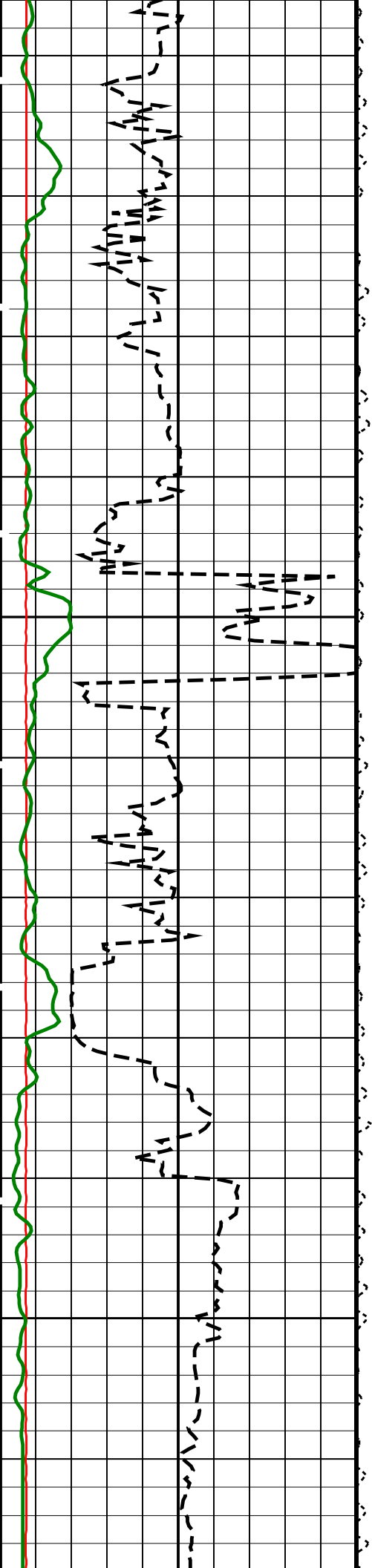


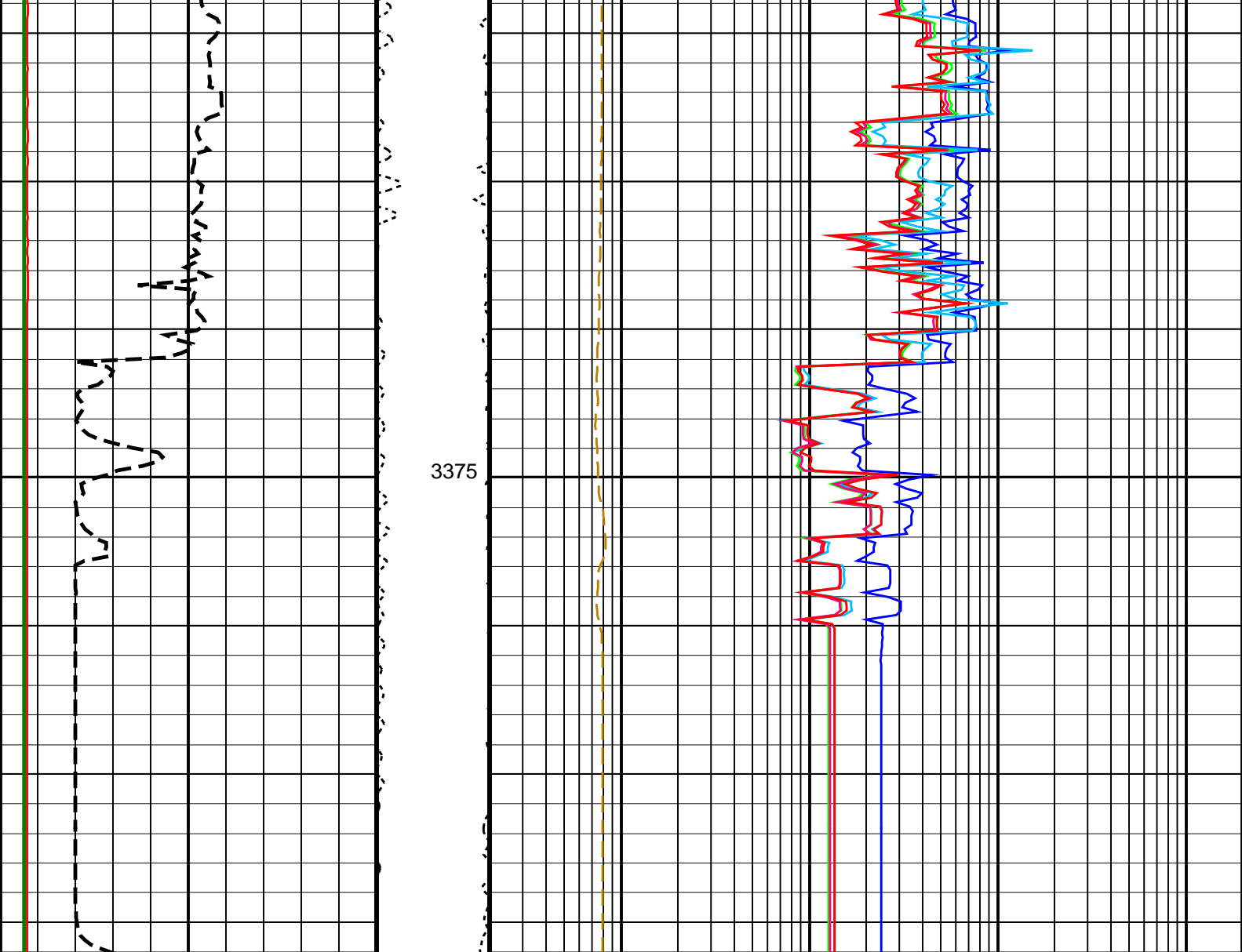












<div>HLDS Caliper (LCAL) (IN)</div> <div>020</div>	<div>Tension (TENS) (LBF)</div> <div>05000</div>	<div>HRLT Resistivity 1 (RLA1) (OHMM)</div> <div>0.22000</div>
<div>Invasion Diameter (DI_HRLT) (IN)</div> <div>050</div>		<div>HRLT Resistivity 2 (RLA2) (OHMM)</div> <div>0.22000</div>
<div>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)</div> <div>0150</div>		<div>HRLT Resistivity 3 (RLA3) (OHMM)</div> <div>0.22000</div>
		<div>HRLT Resistivity 4 (RLA4) (OHMM)</div> <div>0.22000</div>
		<div>HRLT Resistivity 5 (RLA5) (OHMM)</div> <div>0.22000</div>
		<div>HRLT Mud Resistivity (RM_HRLT) (OHMM)</div> <div>0.02200</div>

PIP SUMMARY		
Time Mark Every 60 S		

Parameters		
DLIS Name	Description	Value
BHS BHT	HRLT-B: High Resolution Laterolog Array - B Borehole Status Bottom Hole Temperature (used in calculations)	OPEN 7 DECC

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	
PROGINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	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	-0.0147661	
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	1.03692	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998498	
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	3389.8	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 09-Aug-2023 17:31

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

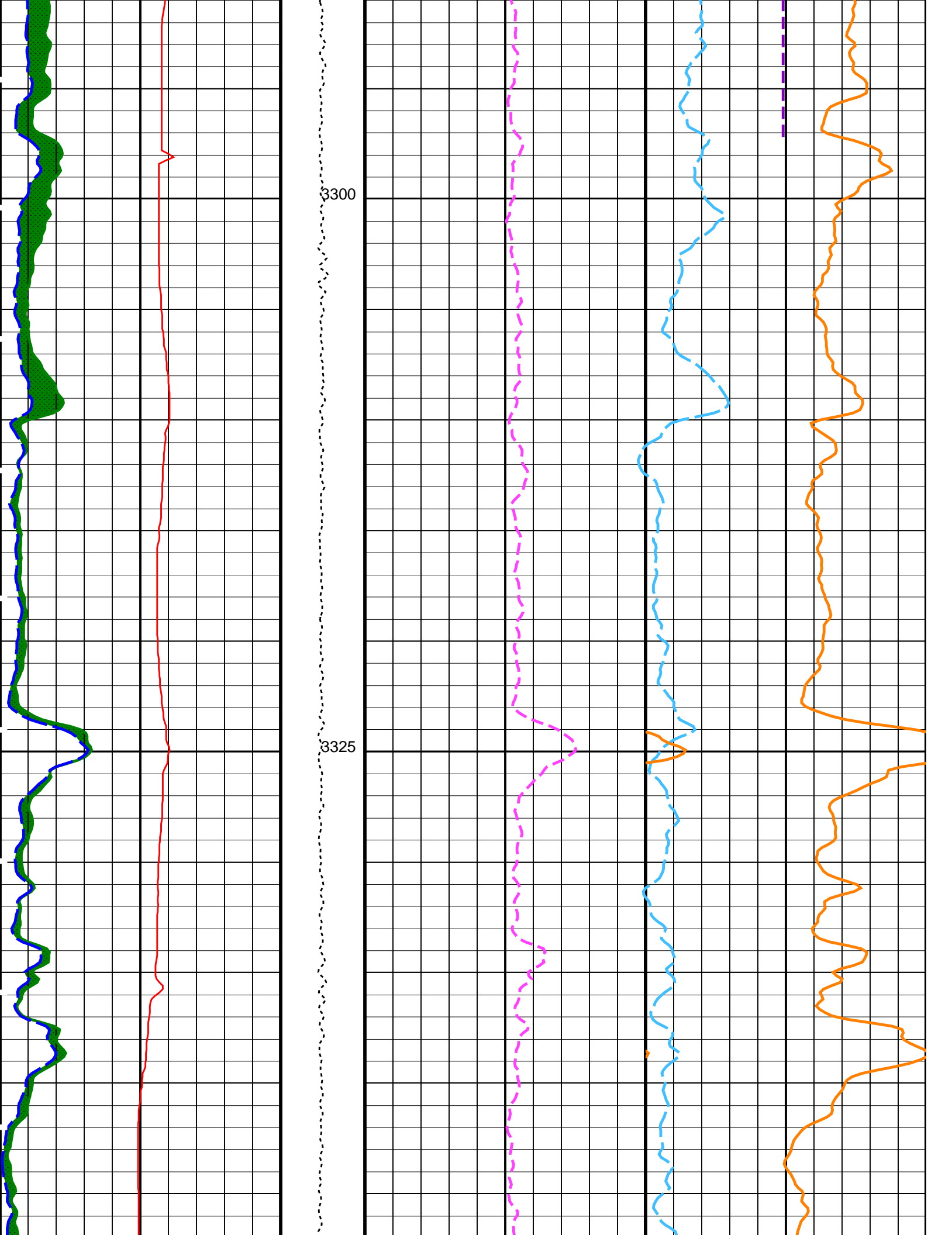
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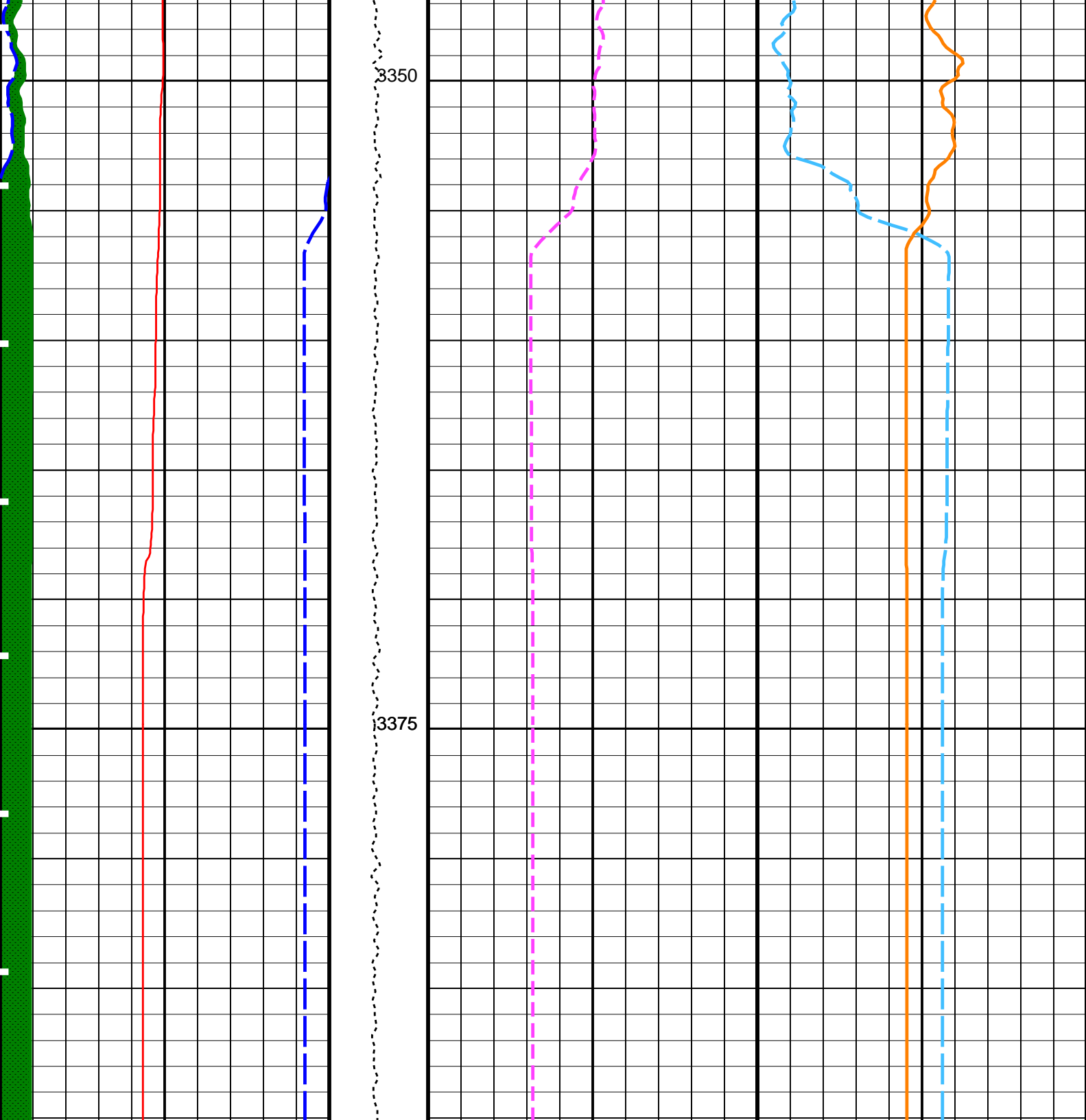
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Output DLIS Files

DEFAULT MSS_LDEO_HRLA_LDL_025PUP FN:27 PRODUCER 09-Aug-2023 17:31

BTR MSS_LDEO_HRLA_LDL_025PUP FN:28 PRODUCER 09-Aug-2023 17:31





<div>HLDS Caliper (LCAL)</div> <div>0 (IN) 20</div>			<div>Tension (TENS) (LBF)</div> <div>10000 0</div>	<div>HNGS Thorium (HTHO)</div> <div>-5 (PPM) 5</div>		<div>HNGS Potassium (HFK)</div> <div>-0.01 (V/V) 0.01</div>	
<div>HNGS Computed Gamma Ray (HCGR)</div> <div>0 (GAPI) 100</div>				<div>HNGS Uranium (HURA)</div> <div>-5 (PPM) 5</div>			
<div>Area1</div> <div>From HCGR to HSGR</div>				<div>HNGS Borehole Potassium (HBHK)</div> <div>-0.01 (V/V) 0.01</div>			
<div>HNGS Spectroscopy Gamma Ray (HSGR)</div> <div>0 (GAPI) 100</div>							

Parameters				
DLIS Name	Description	Value		
HRLT-B: High Resolution Laterolog Array – B				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	LCAL		
APS-C: Accelerator-Porosity Tool				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	LCAL		
HNGS-BA: Hostile Natural Gamma Ray Sonde				
BAR1	HNGS Detector 1 Barite Constant	1		
BAR2	HNGS Detector 2 Barite Constant	1		
BHK	HNGS Borehole Potassium Correction Concentration	0		
BHS	Borehole Status	OPEN		
CSD1	Inner Casing Outer Diameter	0	IN	
CSD2	Outer Casing Outer Diameter	0	IN	
CSW1	Inner Casing Weight	0	LB/F	
CSW2	Outer Casing Weight	0	LB/F	
DBCC	HNGS Barite Constant Correction Flag	NONE		
GCSE	Generalized Caliper Selection	LCAL		
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW		
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW		
HABK	HNGS Borehole Potassium Running Average	-0.0147661		
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	1.03692		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998498		
EDTC-B: Enhanced DTS Cartridge				
BHS	Borehole Status	OPEN		
GCSE	Generalized Caliper Selection	LCAL		
System and Miscellaneous				
BS	Bit Size	9.875	IN	
DFD	Drilling Fluid Density	1.02	G/C3	
DO	Depth Offset for Playback	0.0	M	
PP	Playback Processing	RECOMPUTE		

Format: HNGSYields
Vertical Scale: 1:200
Graphics File Created: 09-Aug-2023 17:34

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	MSS_LDEO_HRLA_LDL_020LUP	FN:21	PRODUCER	09-Aug-2023 13:17	3390.1 M	3278.1 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_026PUP	FN:29	PRODUCER	09-Aug-2023 17:34		
RTB	MSS_LDEO_HRLA_LDL_026PUP	FN:30	PRODUCER	09-Aug-2023 17:34		

Company: International Ocean Discovery Program
Well: Expedition 395, Site U1564F

Input DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_020LUP	FN:21	PRODUCER	09-Aug-2023 13:17	3390.1 M	3278.1 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_026PUP	FN:29	PRODUCER	09-Aug-2023 17:34	3390.1 M	3276.3 M
RTB	MSS_LDEO_HRLA_LDL_026PUP	FN:30	PRODUCER	09-Aug-2023 17:34	3390.1 M	3276.3 M

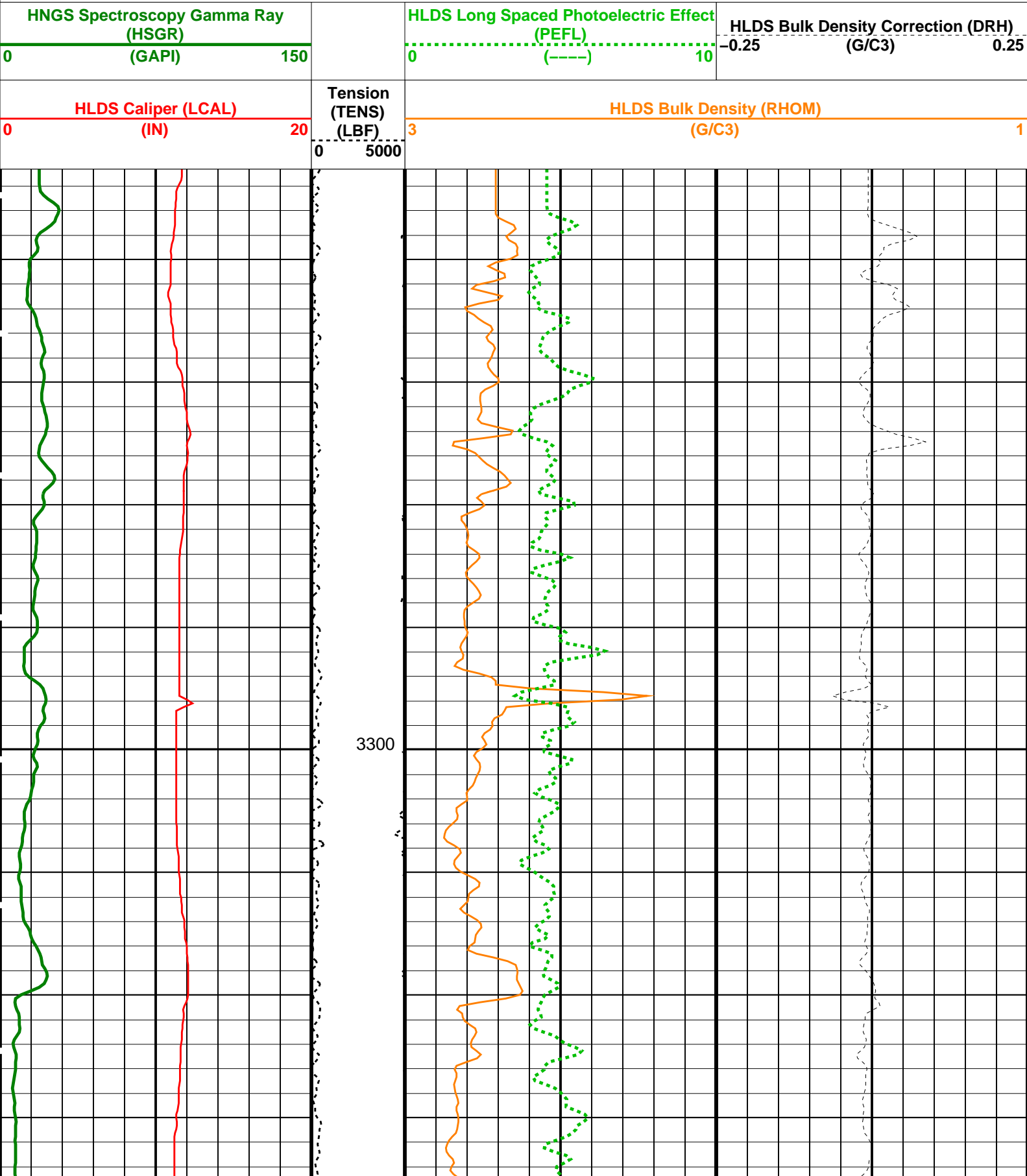
OP System Version: 19C0-187

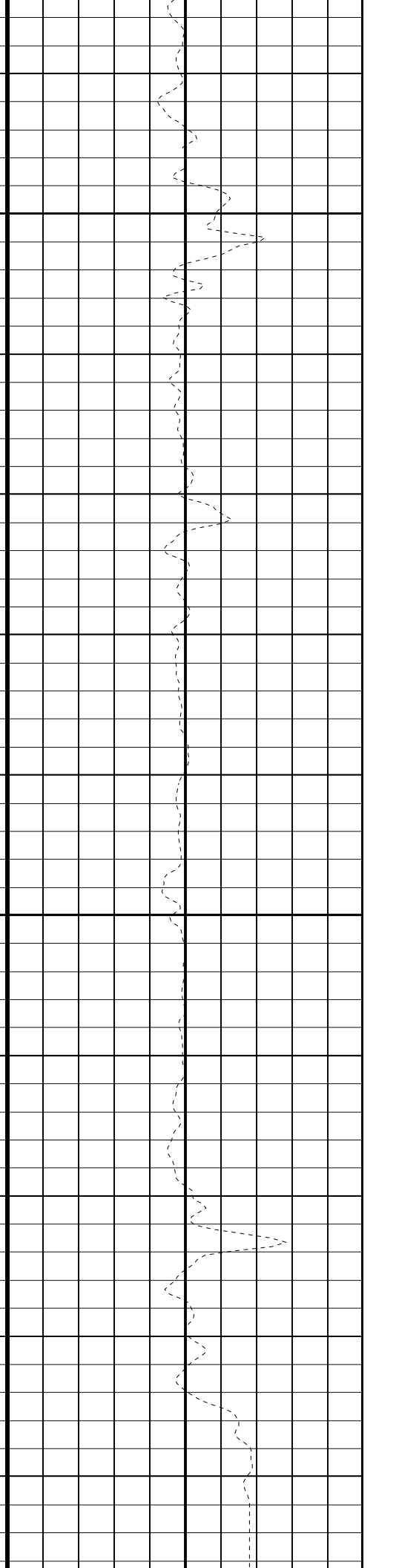
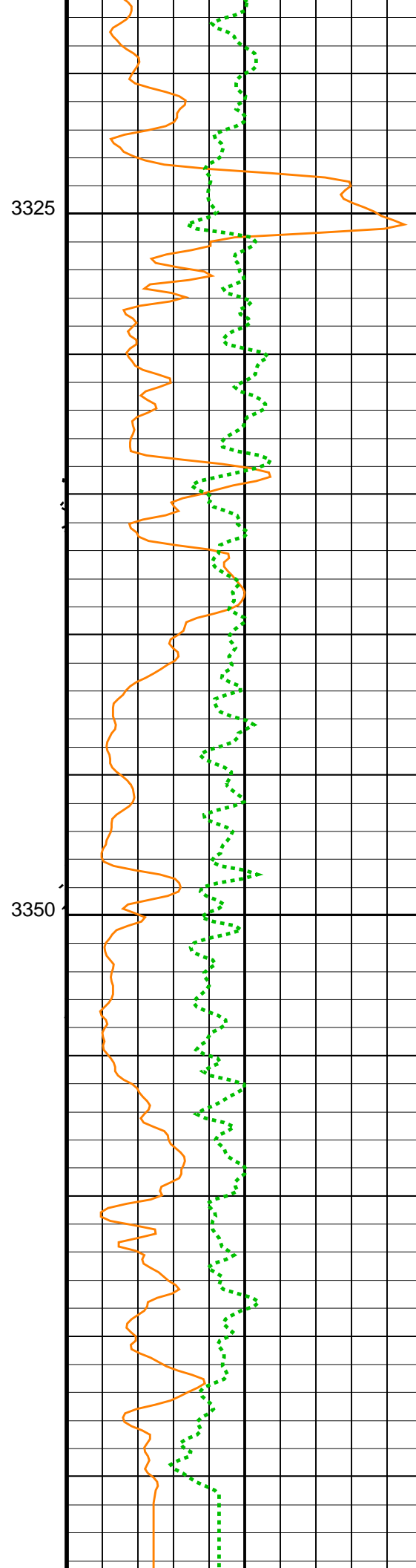
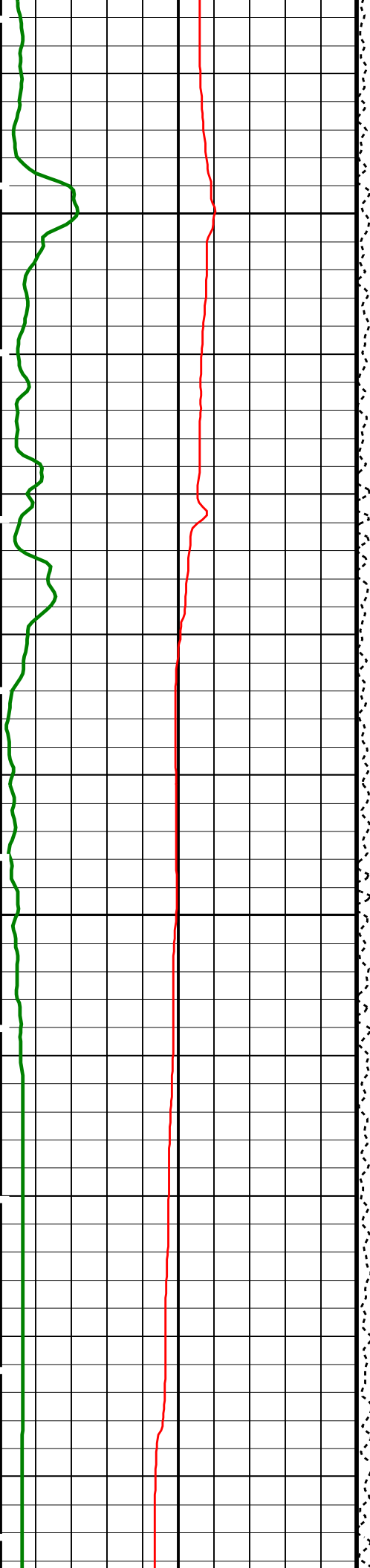
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HLDS 19C0-187
APS-C 19C0-187
HNGS-BA 19C0-187

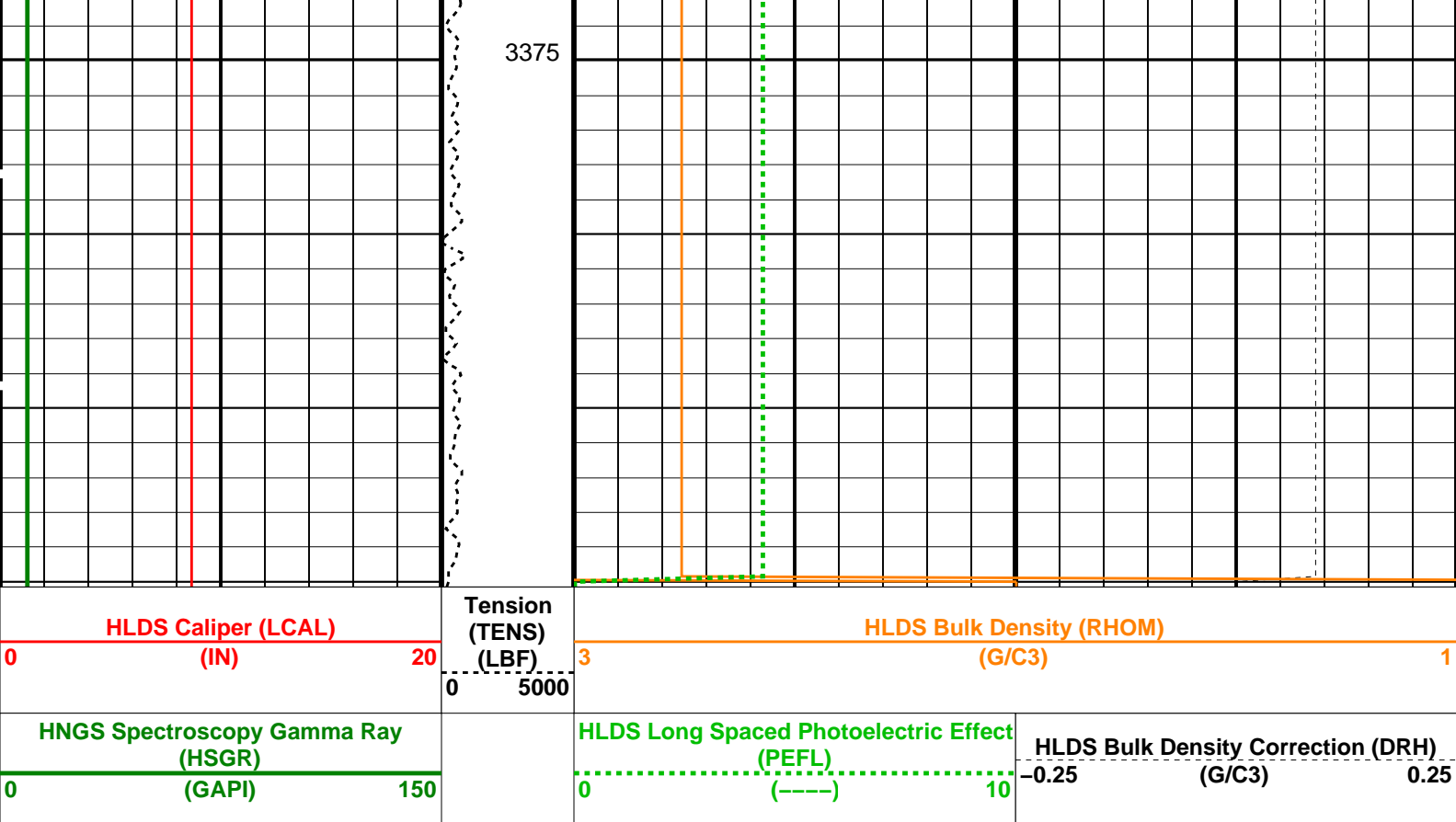
HRLT-B 19C0-187
LDSC-B 19C0-187
HNGC-B 19C0-187
EDTC-B 19C0-187

PIP SUMMARY

Time Mark Every 60 S







PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
BHS	HRLT-B: High Resolution Laterolog Array - B	
GCSE	Borehole Status	OPEN
	Generalized Caliper Selection	LCAL
DHC	HLDS: Hostile Litho-Density Sonde	
DPPM	Density Hole Correction	CALIPER
FD	Density Porosity Processing Mode	HIRS
LATC	Fluid Density	1 G/C3
MDEN	HLDS Activation Correction	ON
	Matrix Density	2.6 G/C3
	APC-C: Accelerator-Porosity Tool	
BHS	Borehole Status	OPEN
DPPM	Density Porosity Processing Mode	HIRS
GCSE	Generalized Caliper Selection	LCAL
	HNGS-BA: Hostile Natural Gamma Ray Sonde	
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
CSD1	Inner Casing Outer Diameter	0 IN
CSD2	Outer Casing Outer Diameter	0 IN
CSW1	Inner Casing Weight	0 LB/F
CSW2	Outer Casing Weight	0 LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE
GCSE	Generalized Caliper Selection	LCAL
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW
HABK	HNGS Borehole Potassium Running Average	-0.0147661
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	1.03692
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998498
	EDTC-B: Enhanced DTS Cartridge	
BHS	Borehole Status	OPEN
DPPM	Density Porosity Processing Mode	HIRS

GCSE	Generalized Caliper Selection	LCAL
System and Miscellaneous		
BS	Bit Size	9.875
DFD	Drilling Fluid Density	1.02
DO	Depth Offset for Playback	0.0
PP	Playback Processing	RECOMPUTE
		IN
		G/C3
		M

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 09-Aug-2023 17:34

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	MSS_LDEO_HRLA_LDL_020LUP	FN:21	PRODUCER	09-Aug-2023 13:17	3390.1 M	3278.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_026PUP	FN:29	PRODUCER	09-Aug-2023 17:34		
RTB	MSS_LDEO_HRLA_LDL_026PUP	FN:30	PRODUCER	09-Aug-2023 17:34		

Company: International Ocean Discovery Program Well: Expedition 395, Site U1564F

Input DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_020LUP	FN:21	PRODUCER	09-Aug-2023 13:17	3390.1 M	3278.1 M
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Output DLIS Files

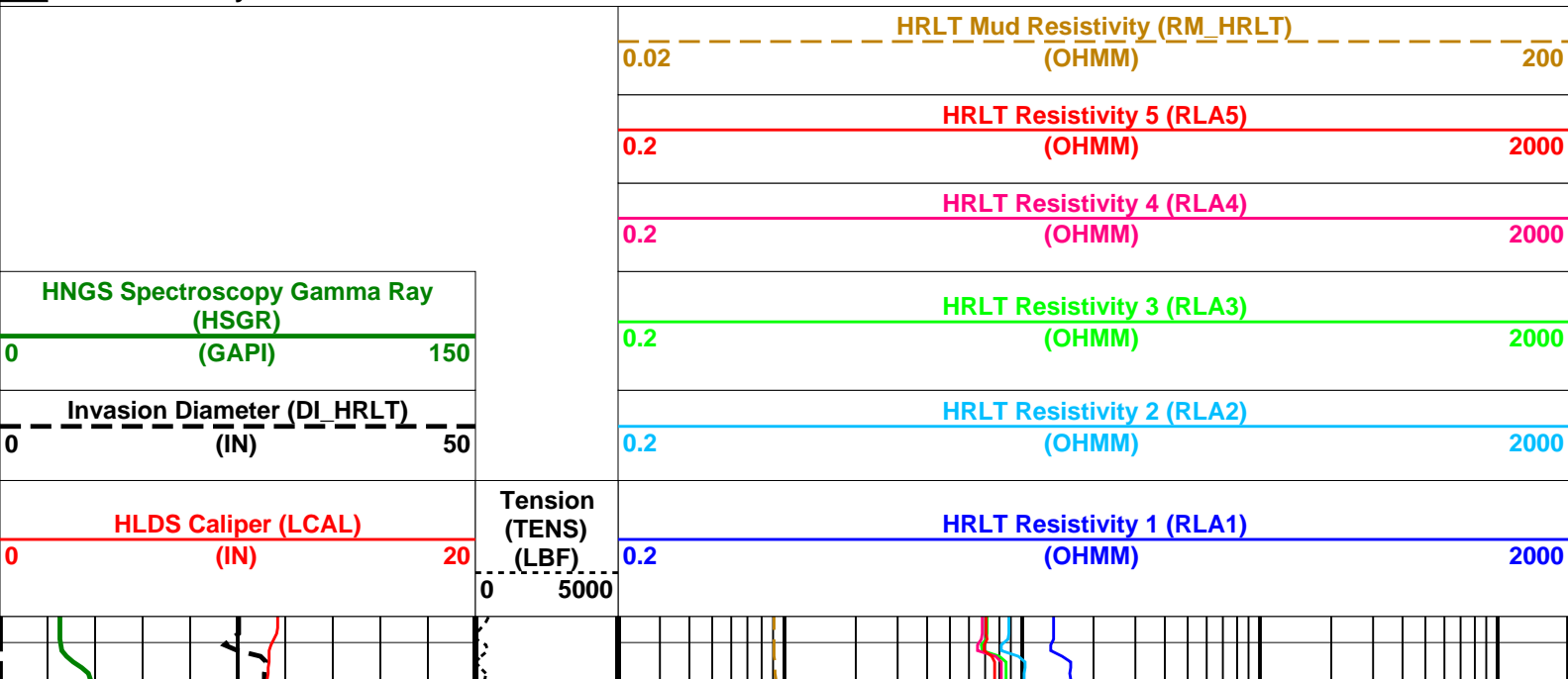
DEFAULT	MSS_LDEO_HRLA_LDL_026PUP	FN:29	PRODUCER	09-Aug-2023 17:34	3390.1 M	3276.3 M
RTB	MSS_LDEO_HRLA_LDL_026PUP	FN:30	PRODUCER	09-Aug-2023 17:34	3390.1 M	3276.3 M

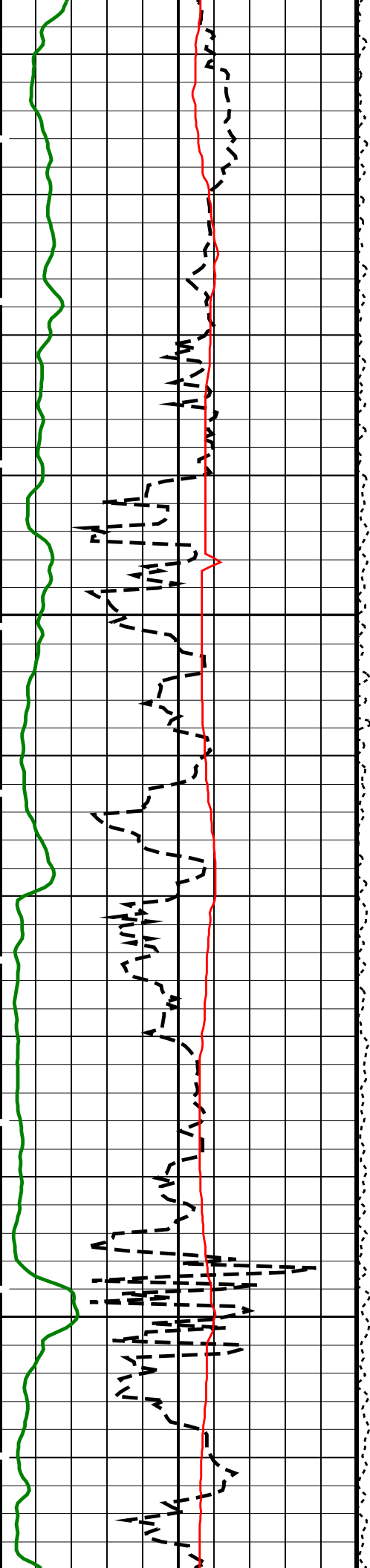
OP System Version: 19C0-187

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

PIP SUMMARY

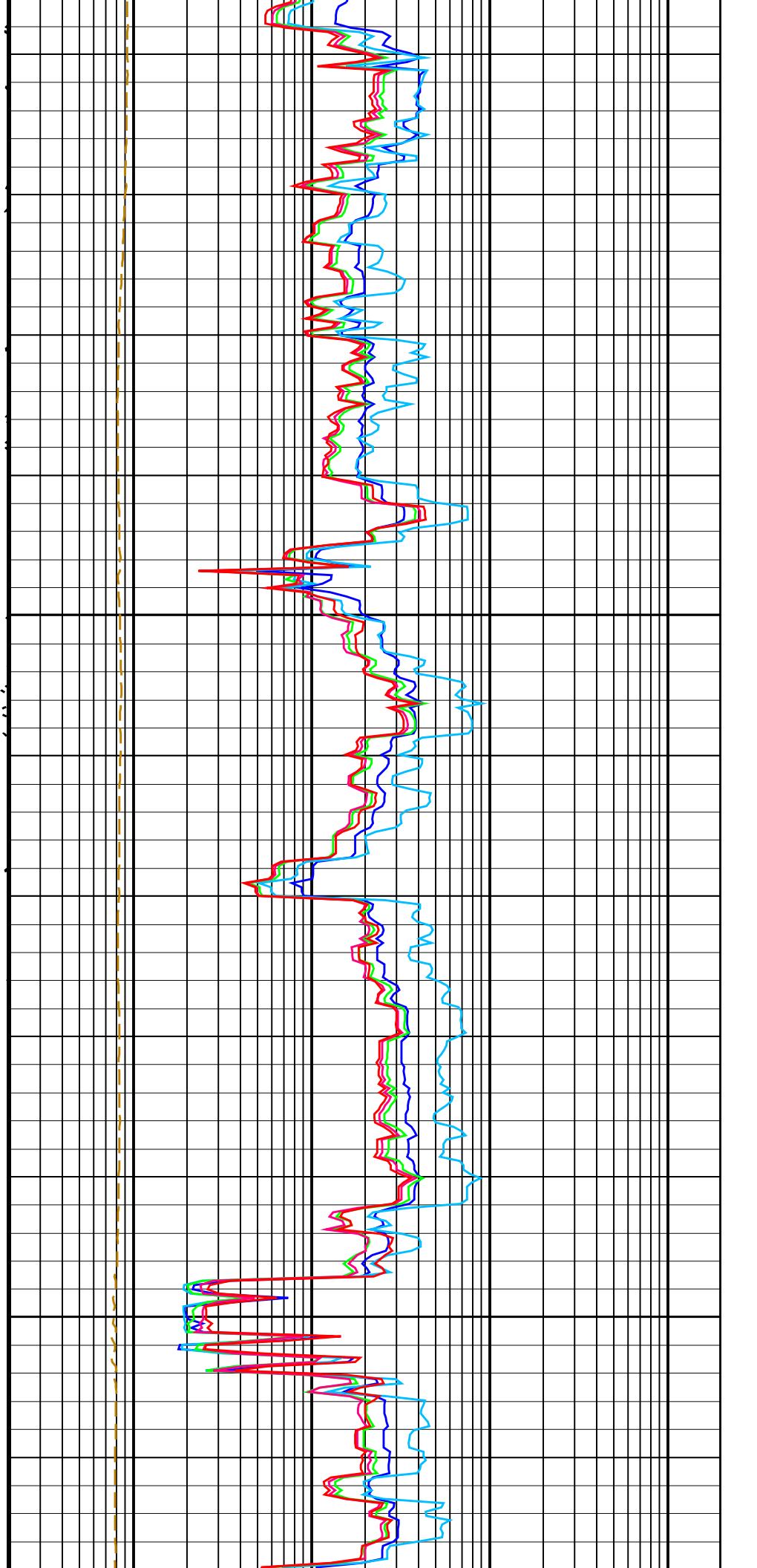
Time Mark Every 60 S

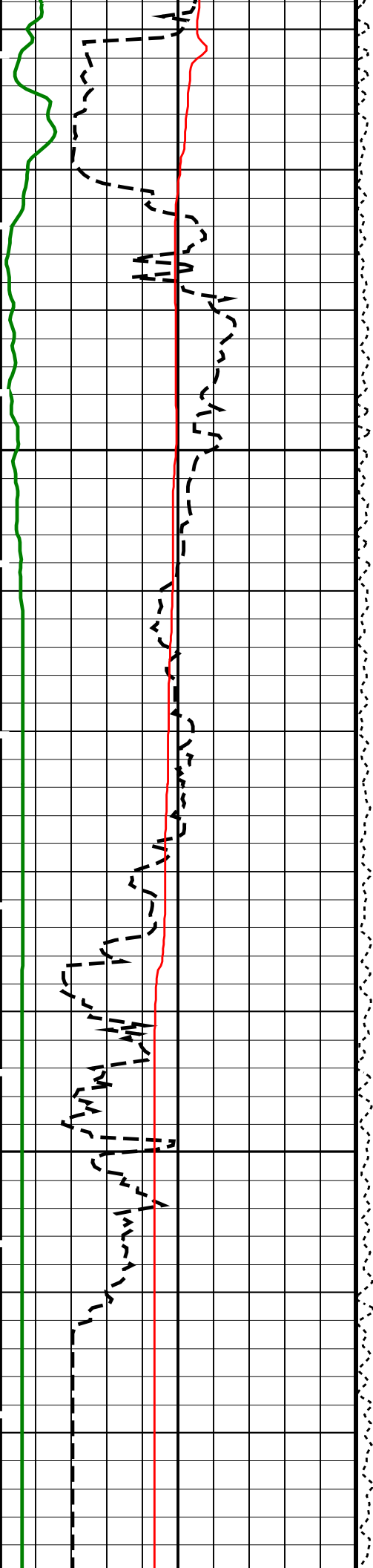




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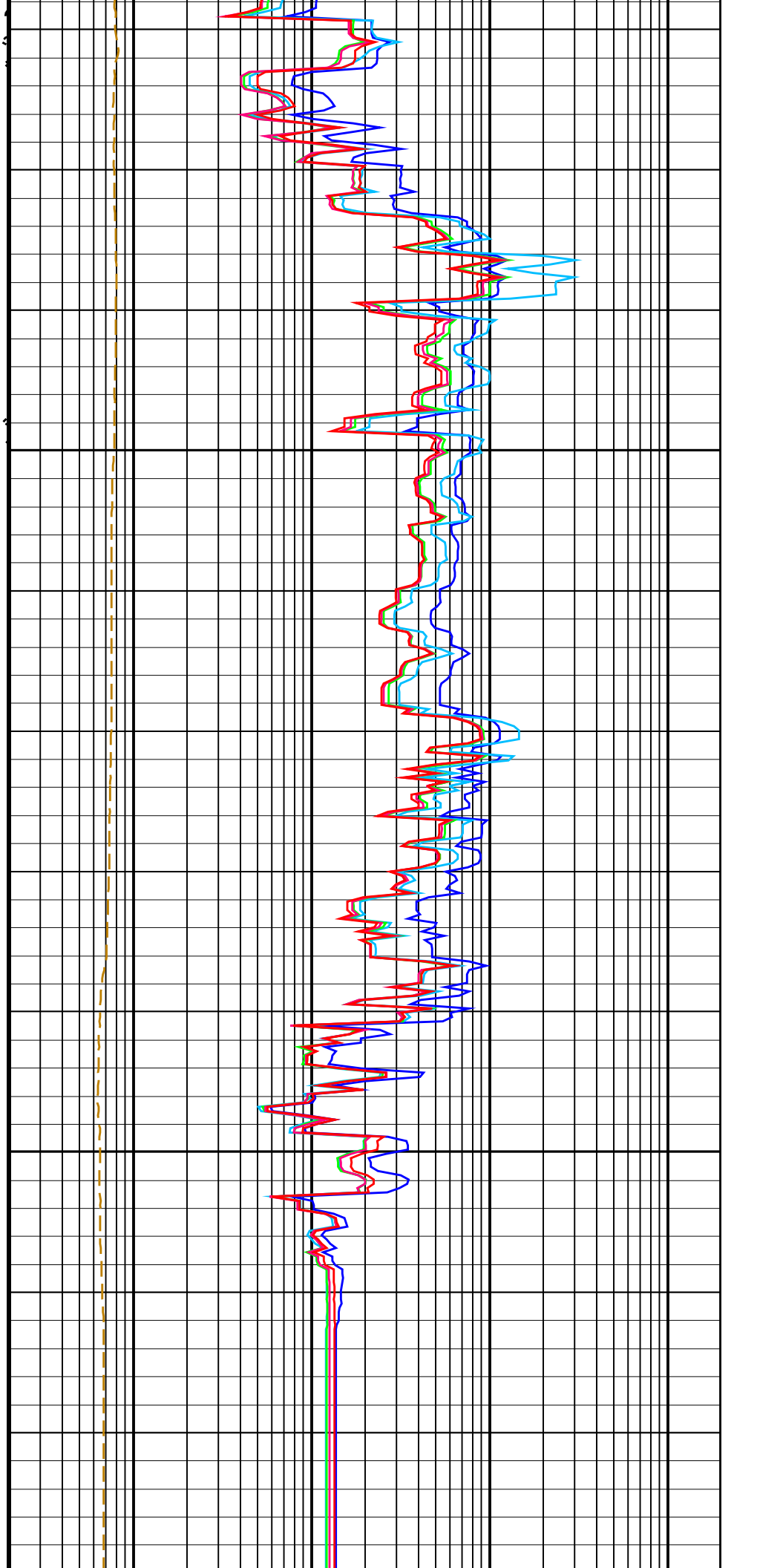
3325





3350

3375



HLDS Caliper (LCAL) 0 (IN) 20	Tension (TENS) (LBF) 0 5000	HRLT Resistivity 1 (RLA1) 0.2 (OHMM) 2000
Invasion Diameter (DI_HRLT) 0 (IN) 50		HRLT Resistivity 2 (RLA2) 0.2 (OHMM) 2000
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 150		HRLT Resistivity 3 (RLA3) 0.2 (OHMM) 2000
		HRLT Resistivity 4 (RLA4) 0.2 (OHMM) 2000
		HRLT Resistivity 5 (RLA5) 0.2 (OHMM) 2000
		HRLT Mud Resistivity (RM_HRLT) 0.02 (OHMM) 200

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	LCAL	
GRGD	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	
PROCNFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	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	LCAL	
GRGD	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	LCAL	
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	-0.0147661	
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	1.03692	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.998498	

VDAL	EDTC-B: Enhanced DTS Cartridge	HNGC Detector 2 Variable Buffer Factor Running Average	0.338455
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
GCSE	Generalized Caliper Selection	LCAL	
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	RECOMPUTE	
TD	Total Depth	3389.8	M


Format: HRLT

Vertical Scale: 1:200

Graphics File Created: 09-Aug-2023 17:34

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	MSS_LDEO_HRLA_LDL_020LUP	FN:21	PRODUCER	09-Aug-2023 13:17	3390.1 M	3278.1 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_026PUP	FN:29	PRODUCER	09-Aug-2023 17:34		
RTB	MSS_LDEO_HRLA_LDL_026PUP	FN:30	PRODUCER	09-Aug-2023 17:34		



Main Pass

1:200 Scale

MAXIS Field Log

Company: International Ocean Discovery Program

Well: Expedition 395, Site U1564F

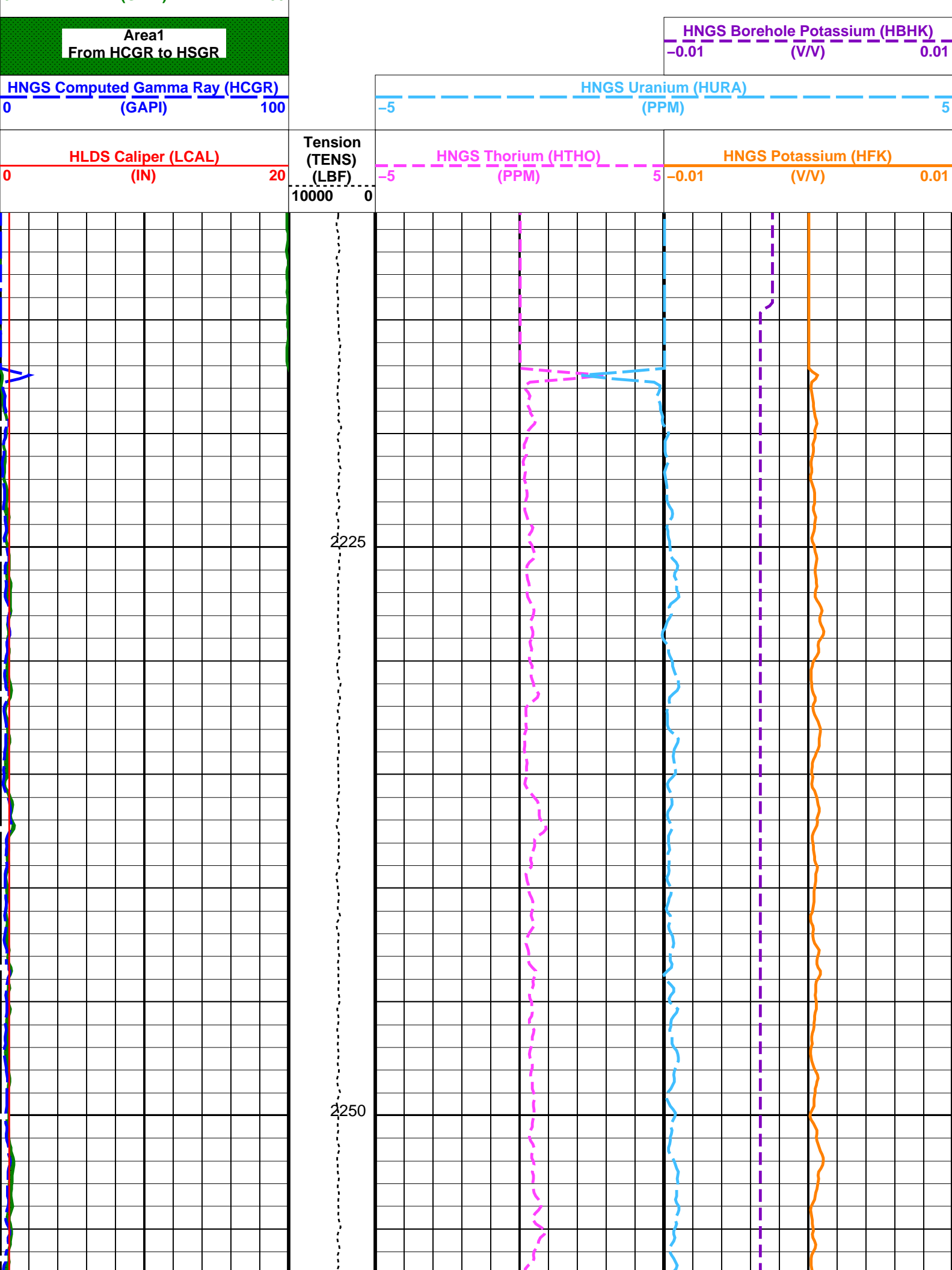
Input DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_021LUP	FN:23	PRODUCER	09-Aug-2023 13:49	3390.1 M	2210.1 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:31	PRODUCER	09-Aug-2023 17:38	3390.1 M	2210.3 M
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:32	PRODUCER	09-Aug-2023 17:38	3390.1 M	2210.3 M

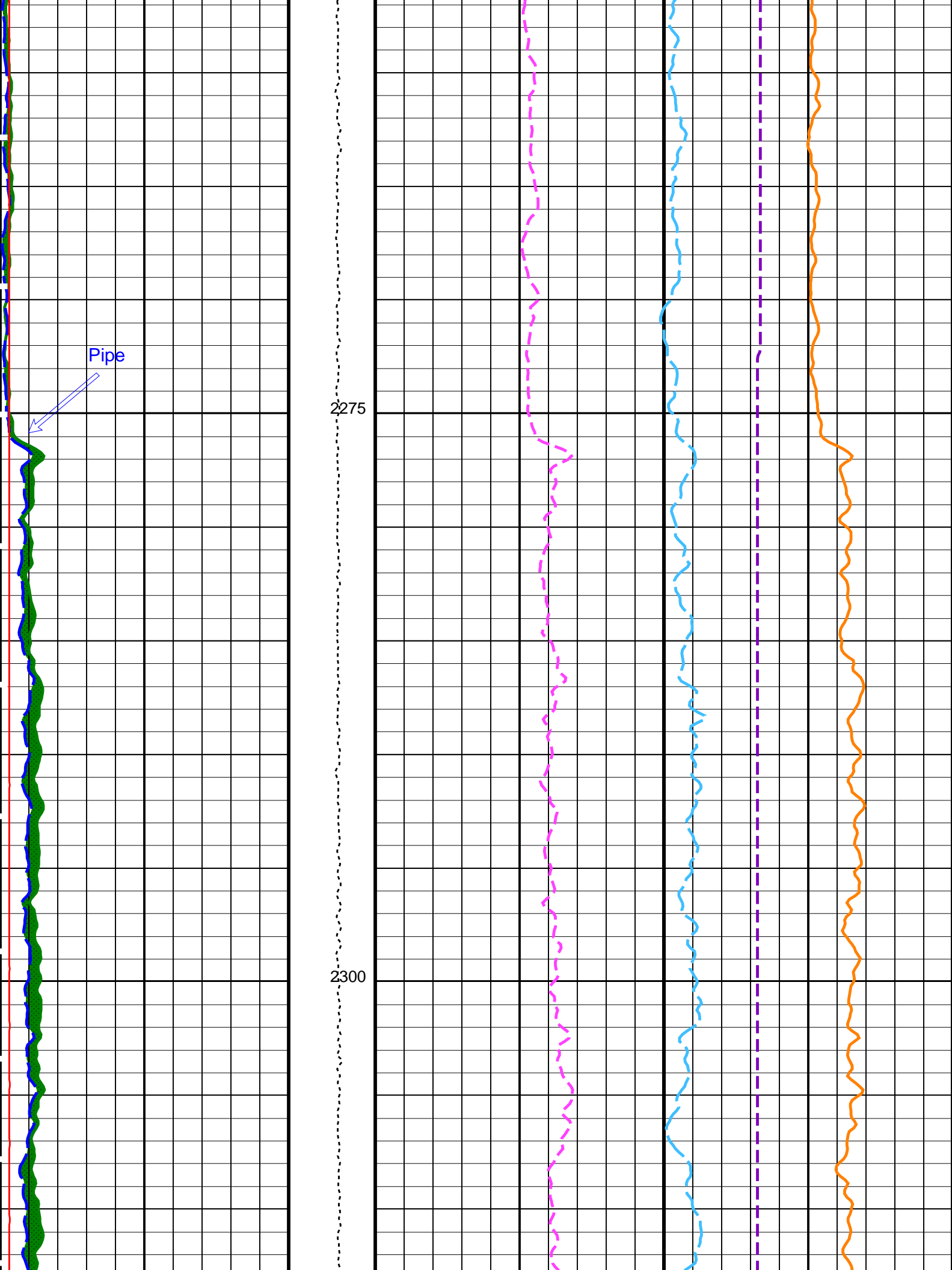
OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
APS-C	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

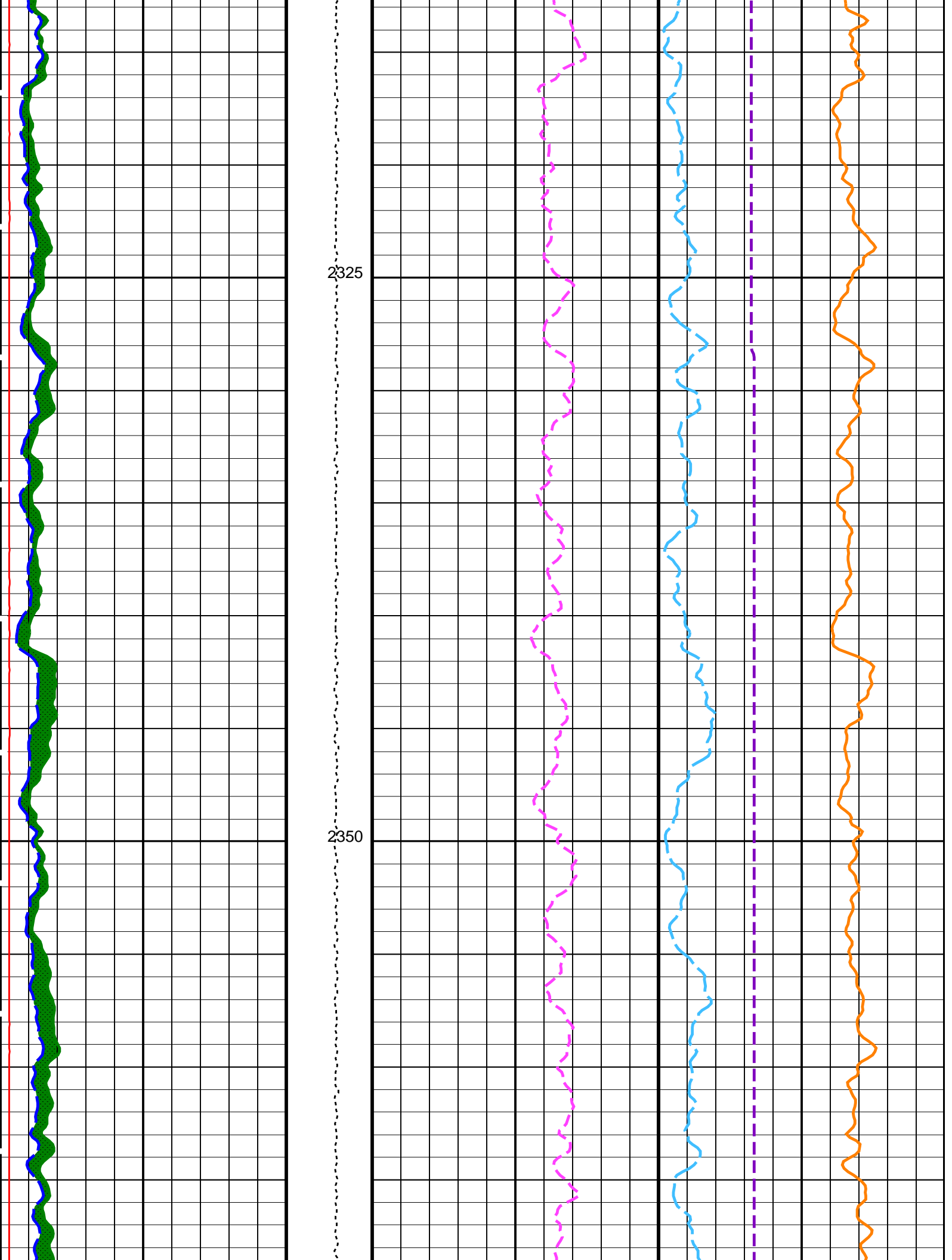
PIP SUMMARY

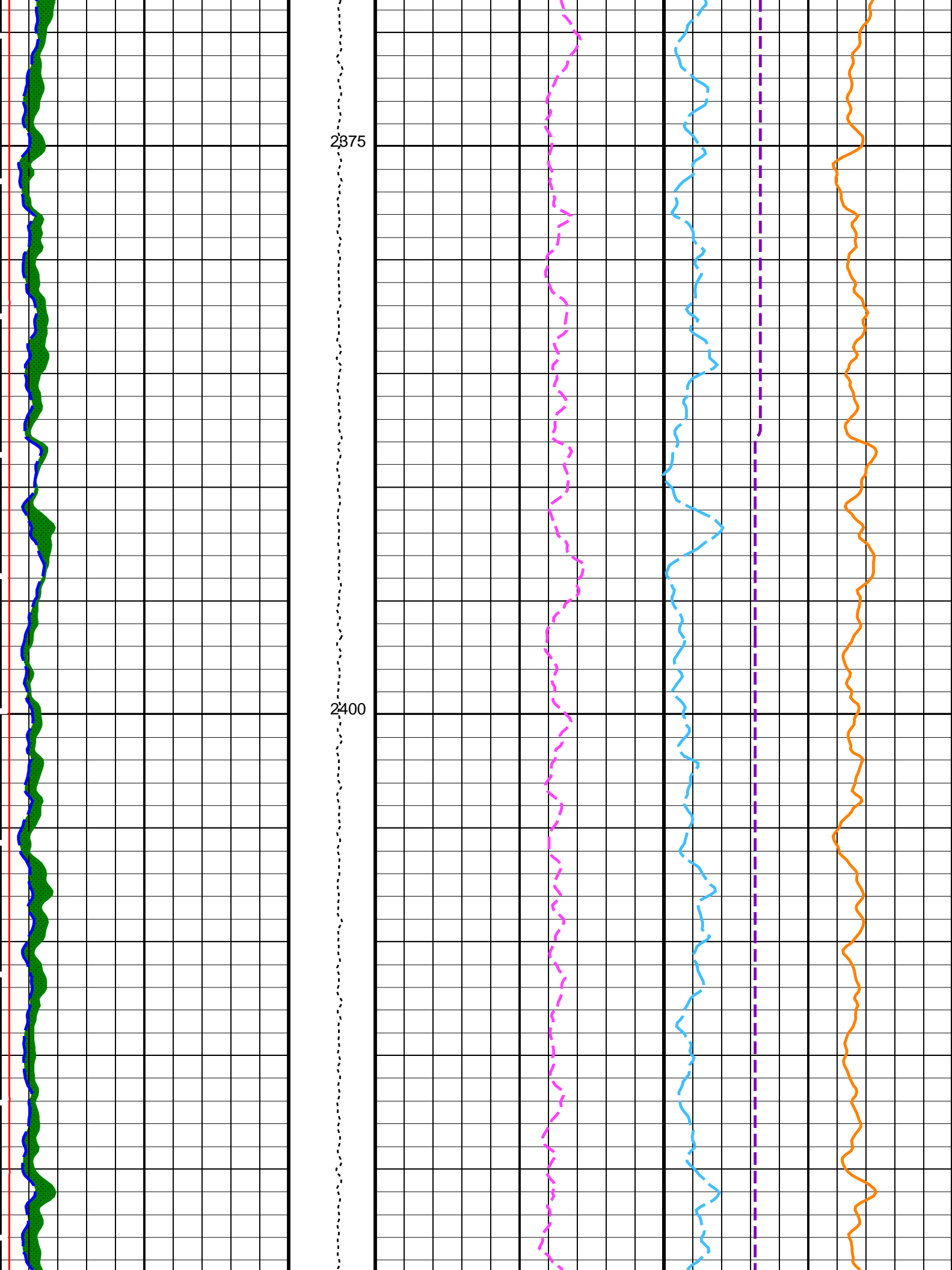
Time Mark Every 60 S

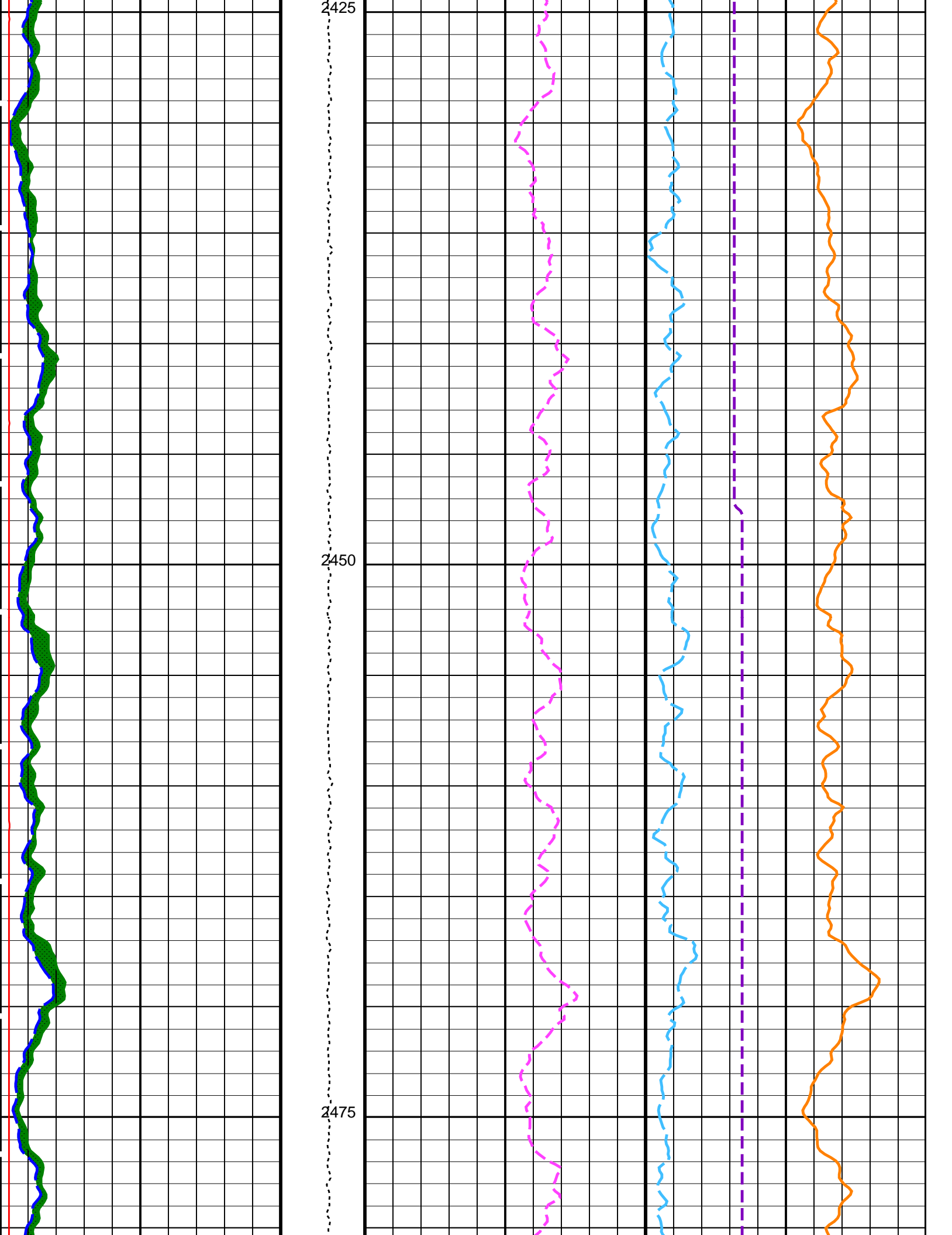
HNGS Spectroscopy Gamma Ray (HSGR)		
0	(GAPI)	100

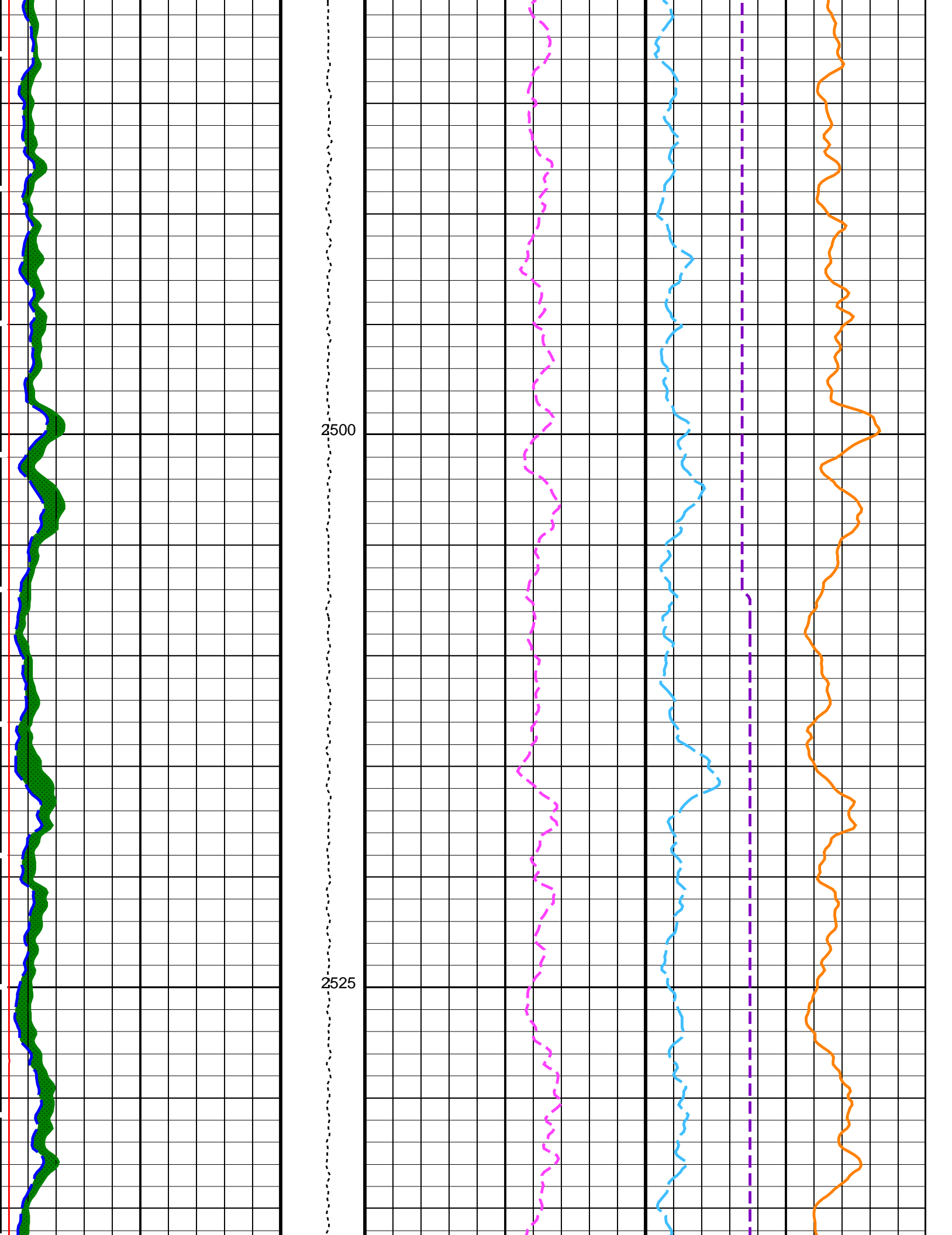


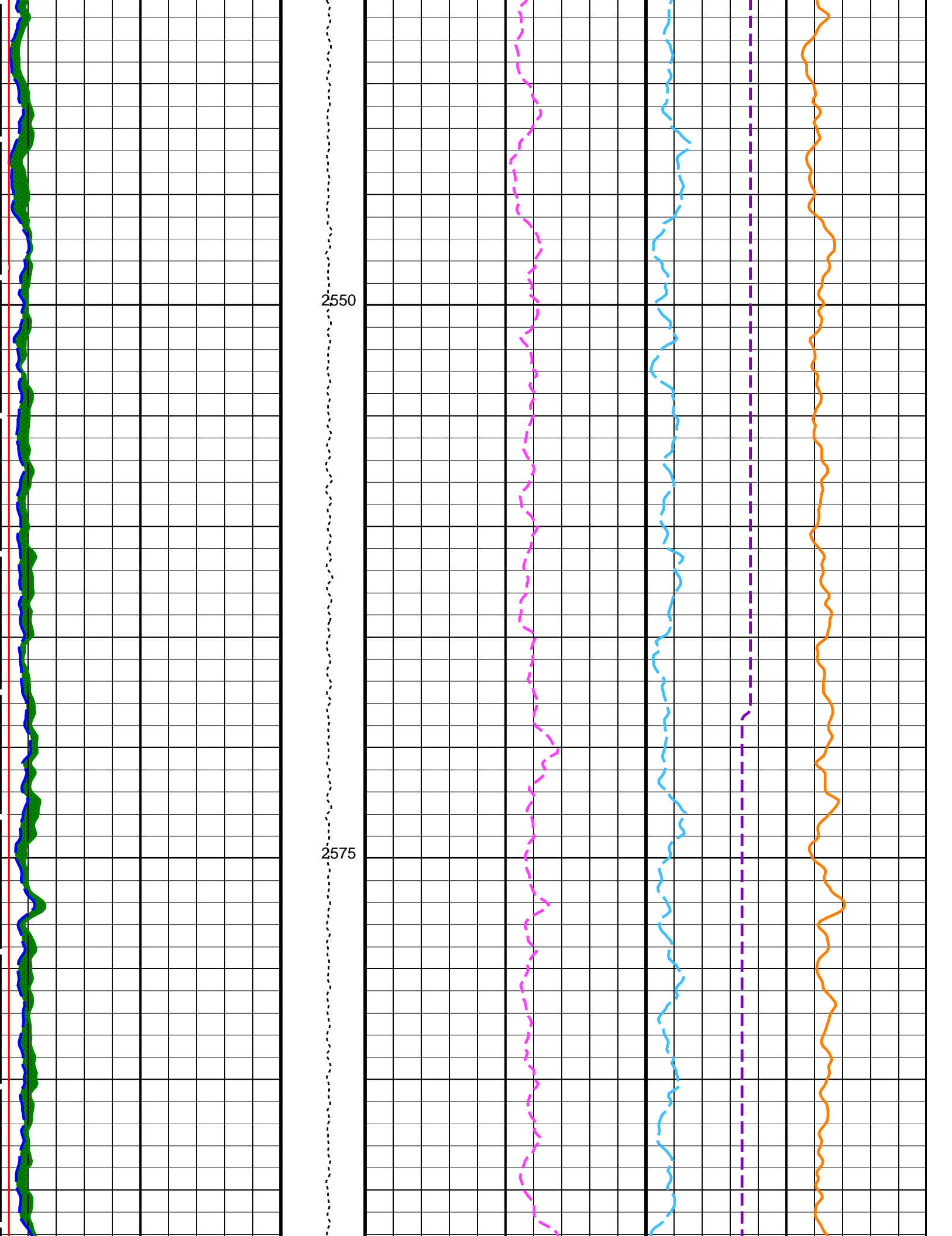


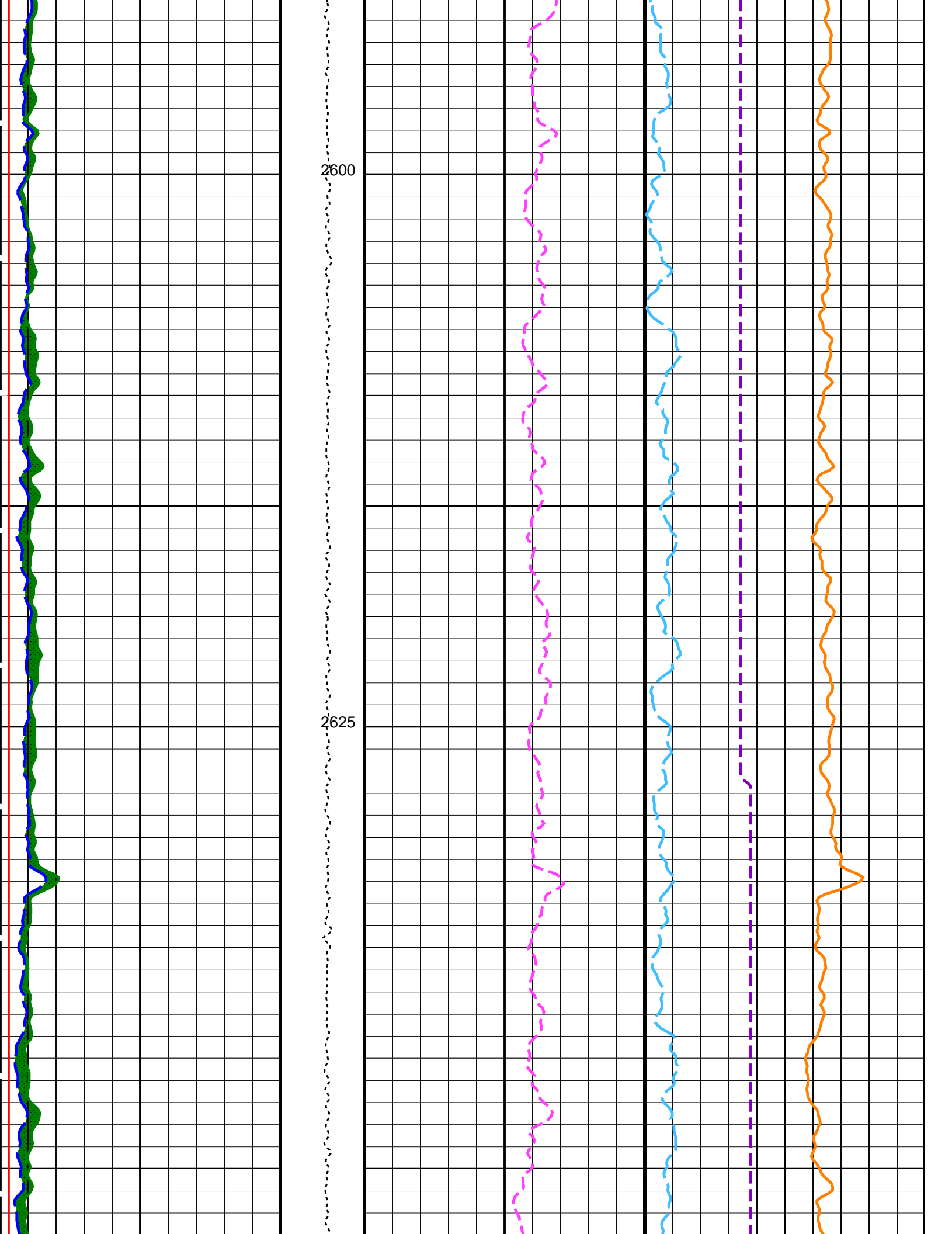


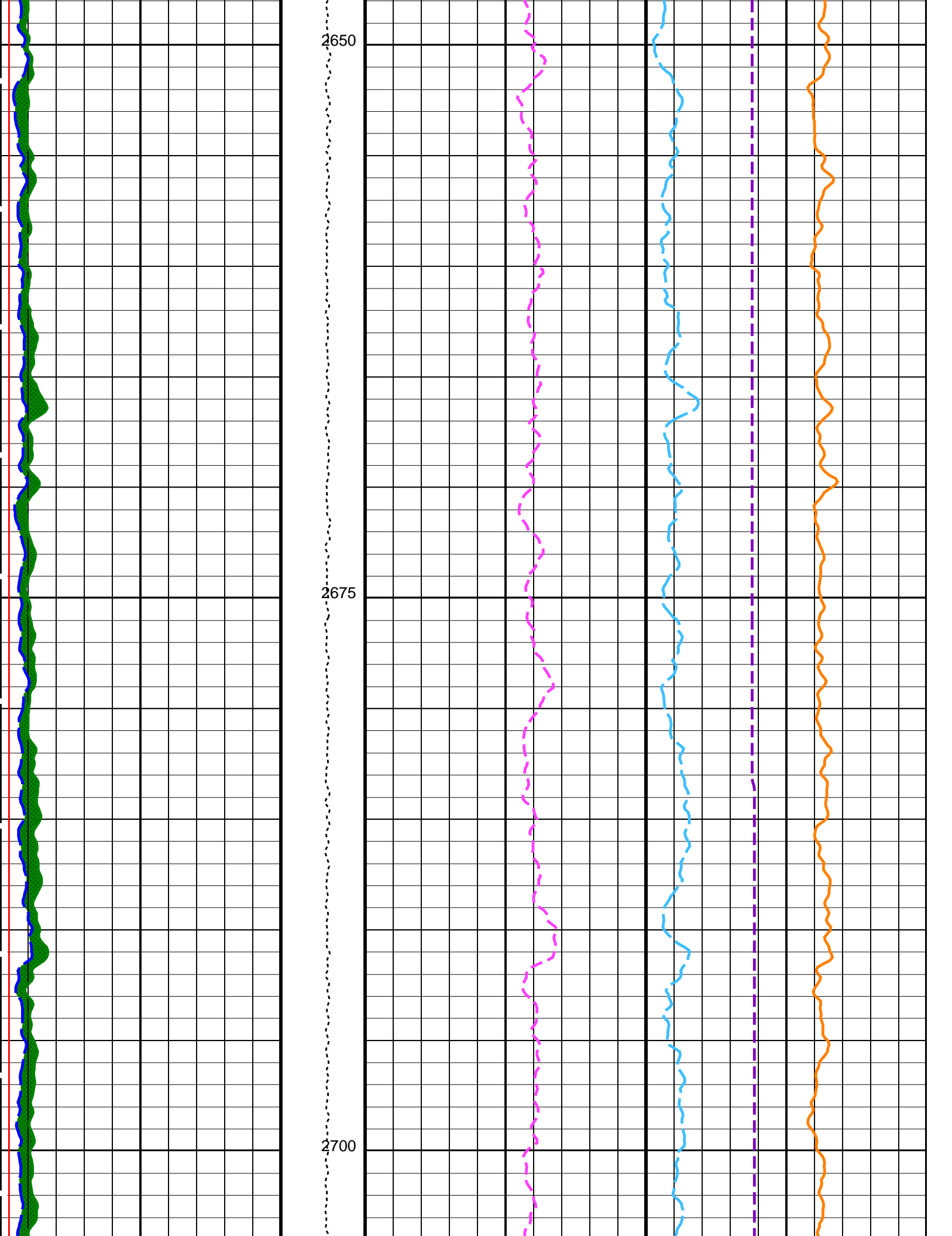


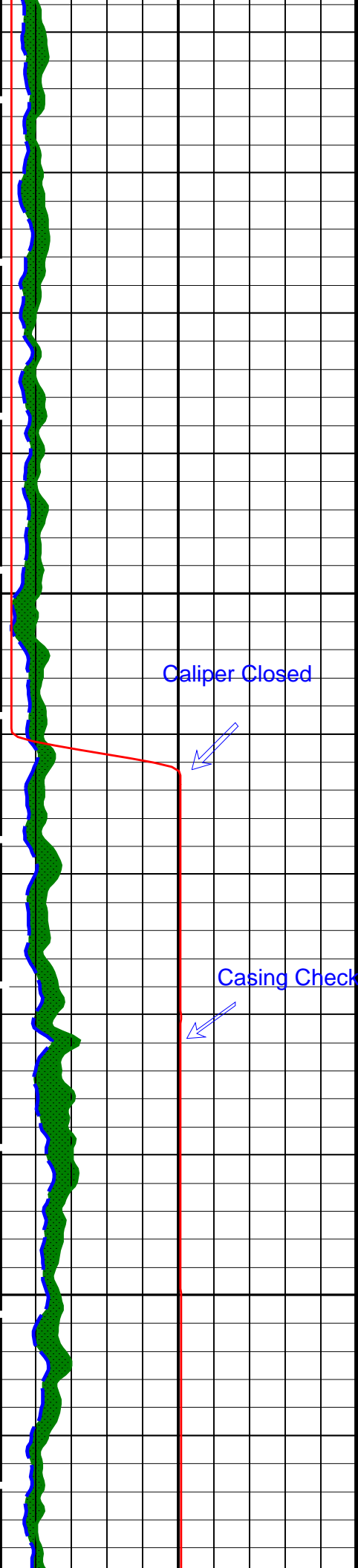






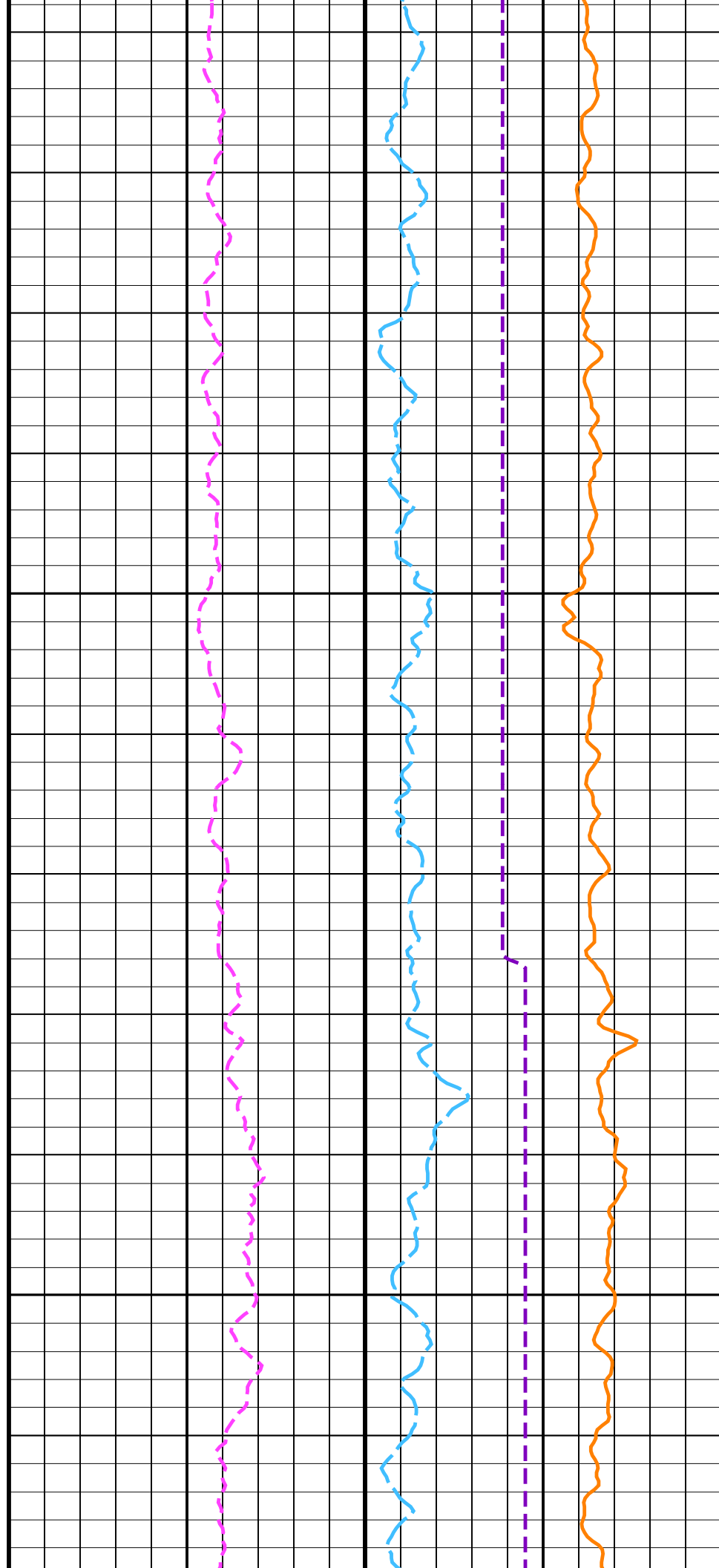


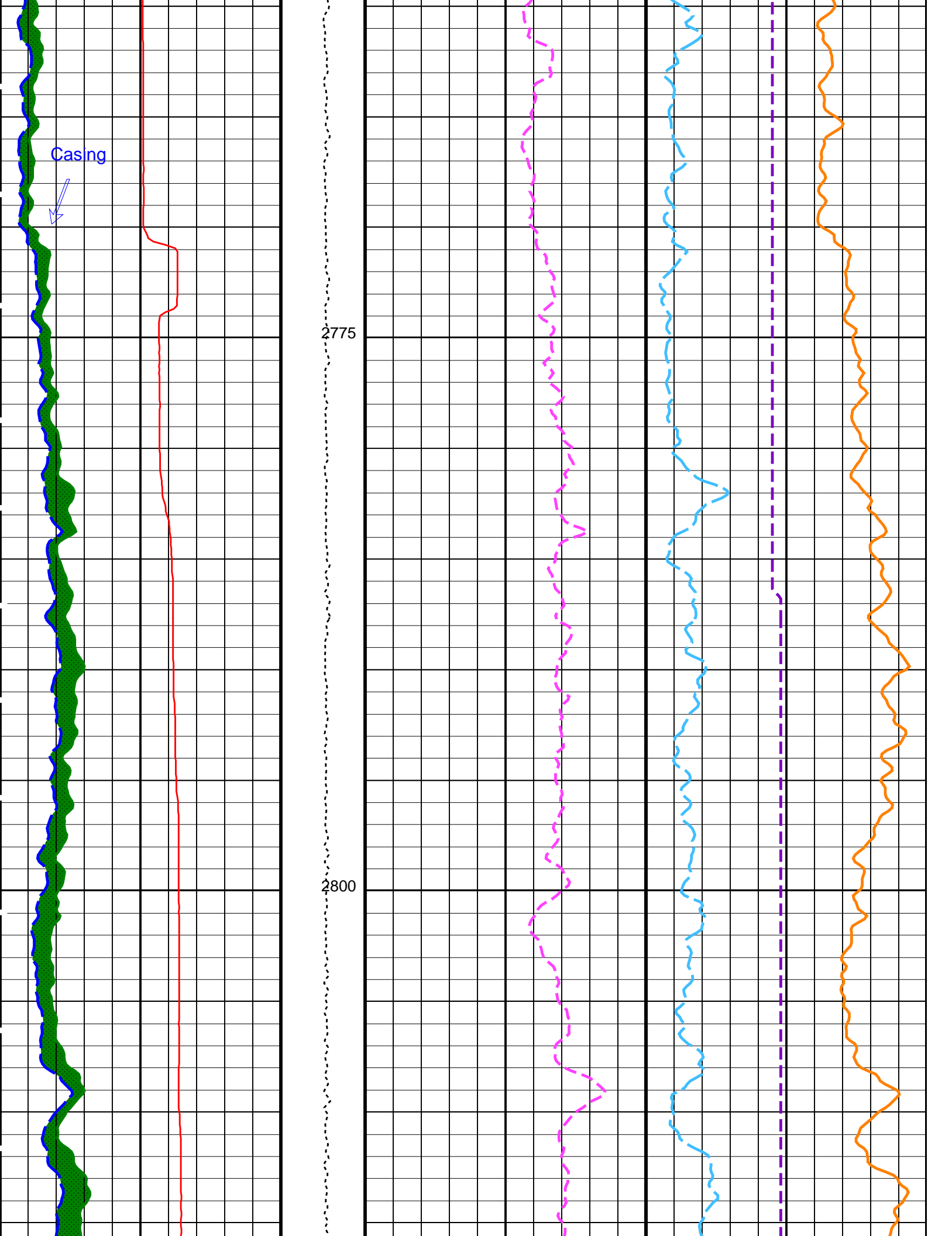


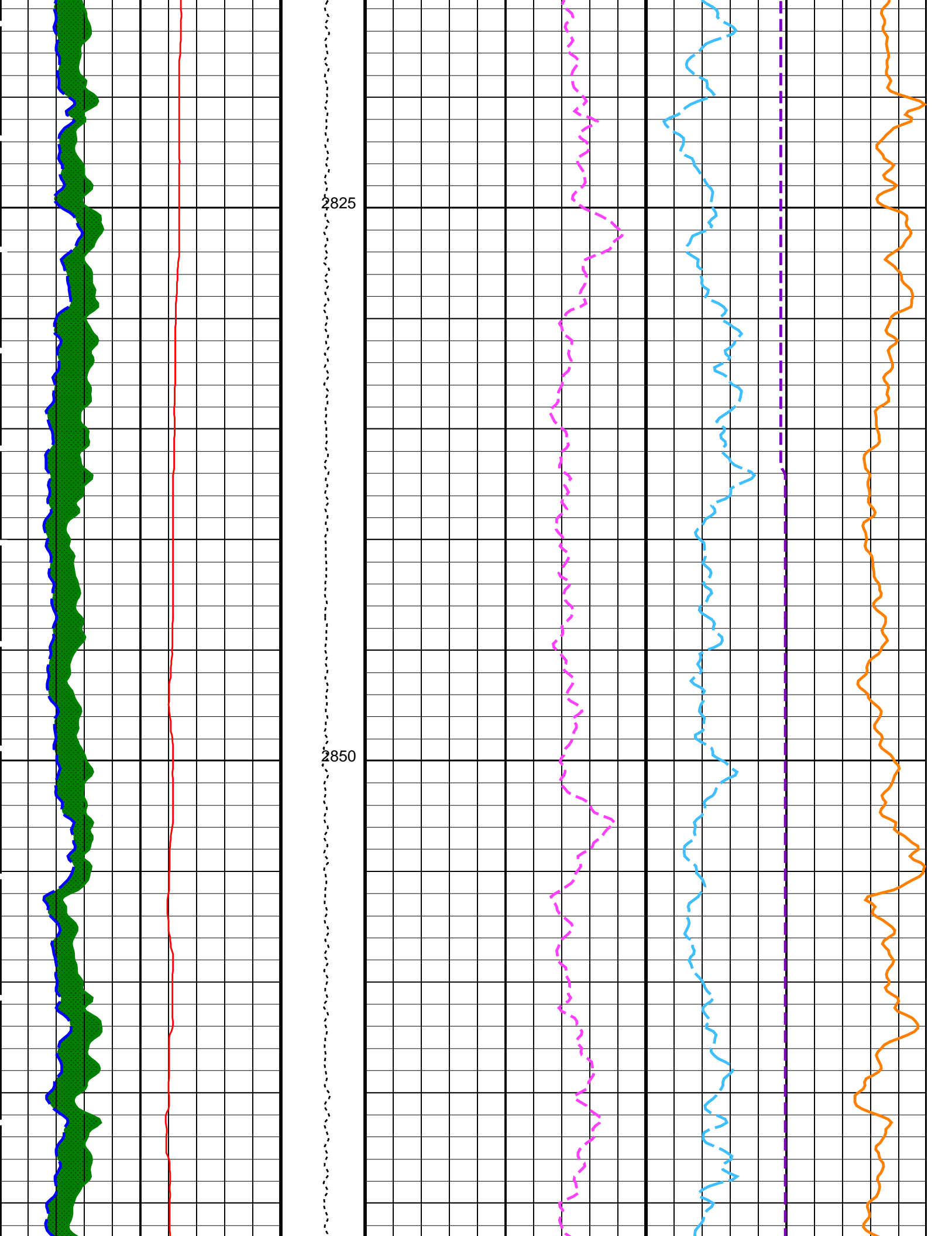


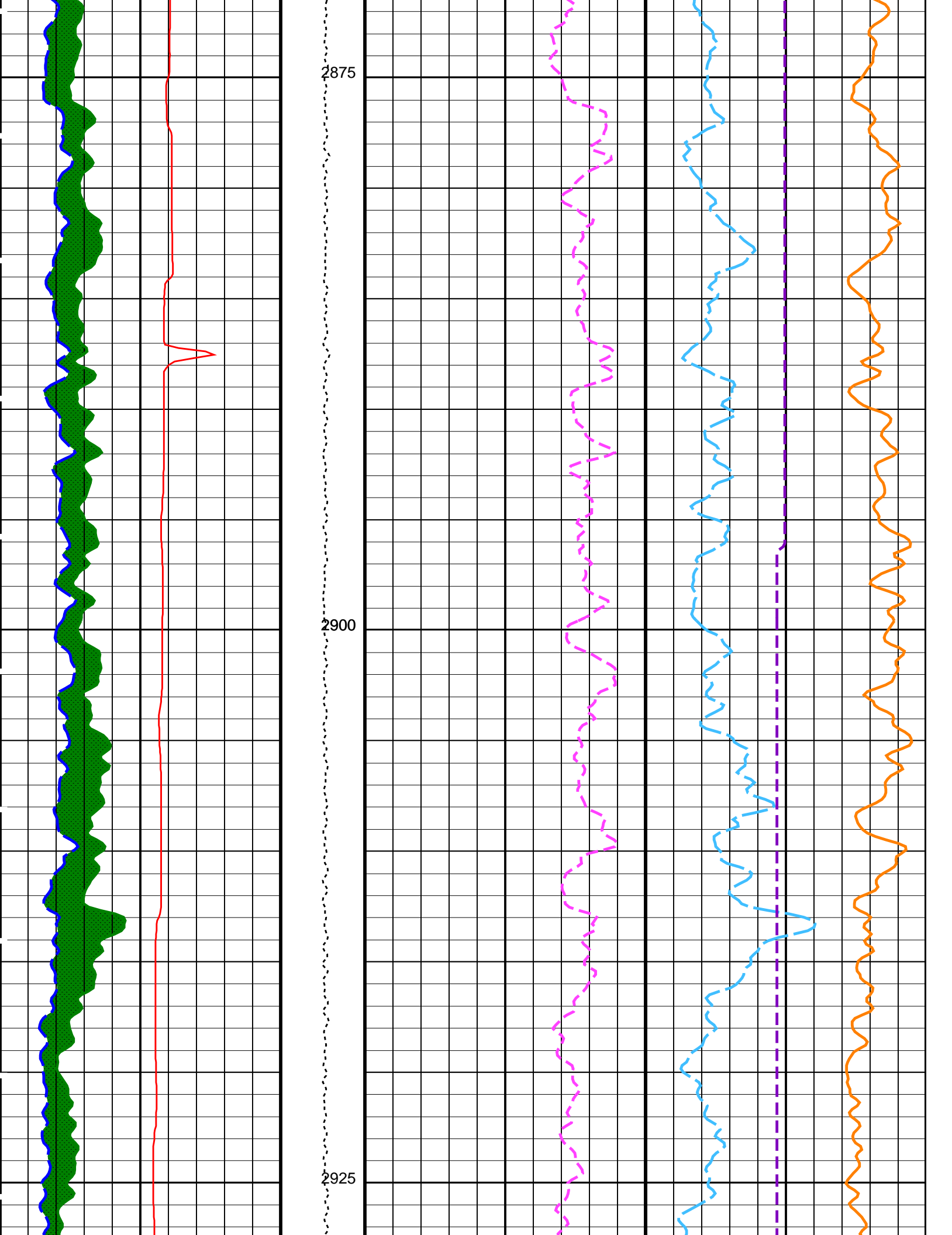
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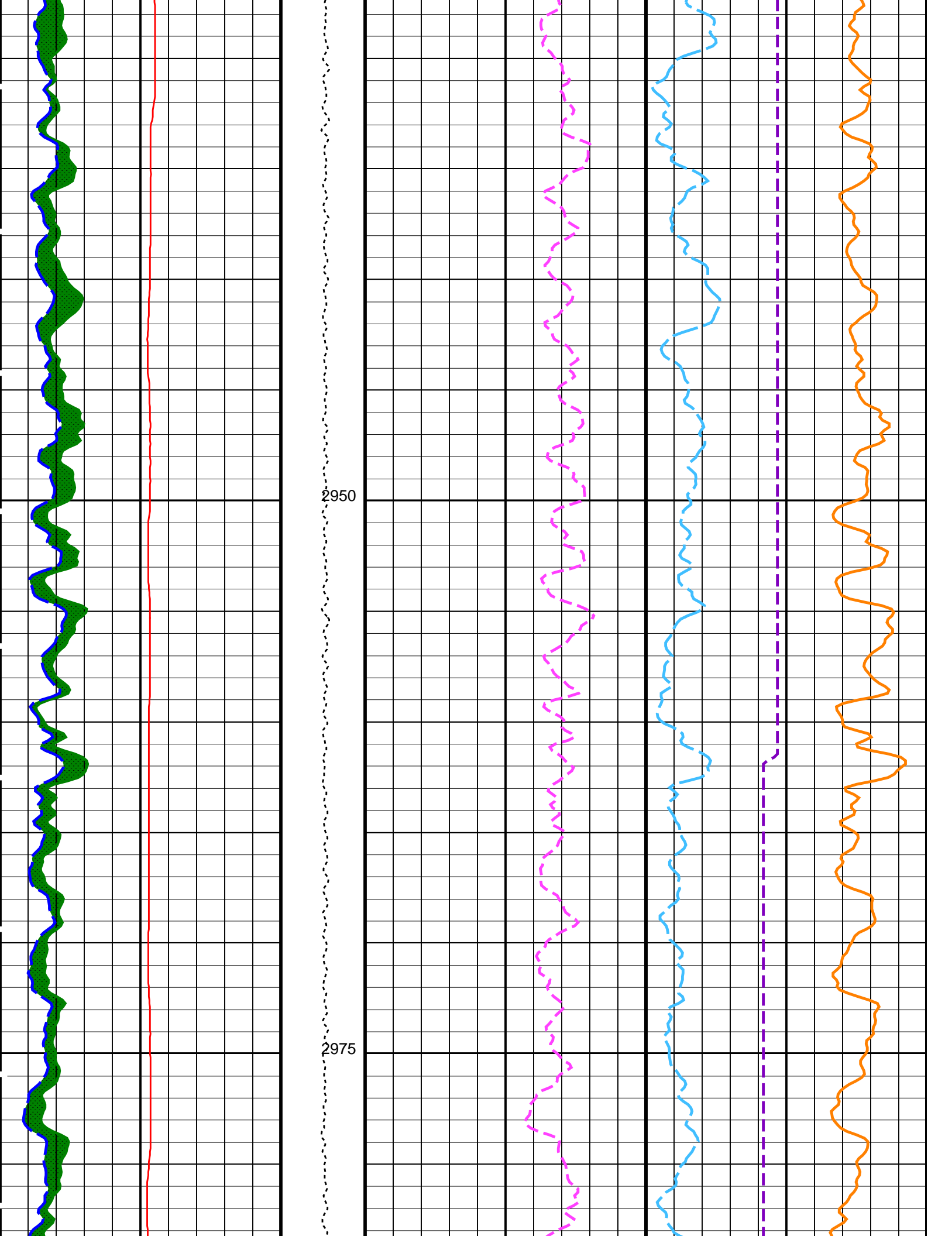
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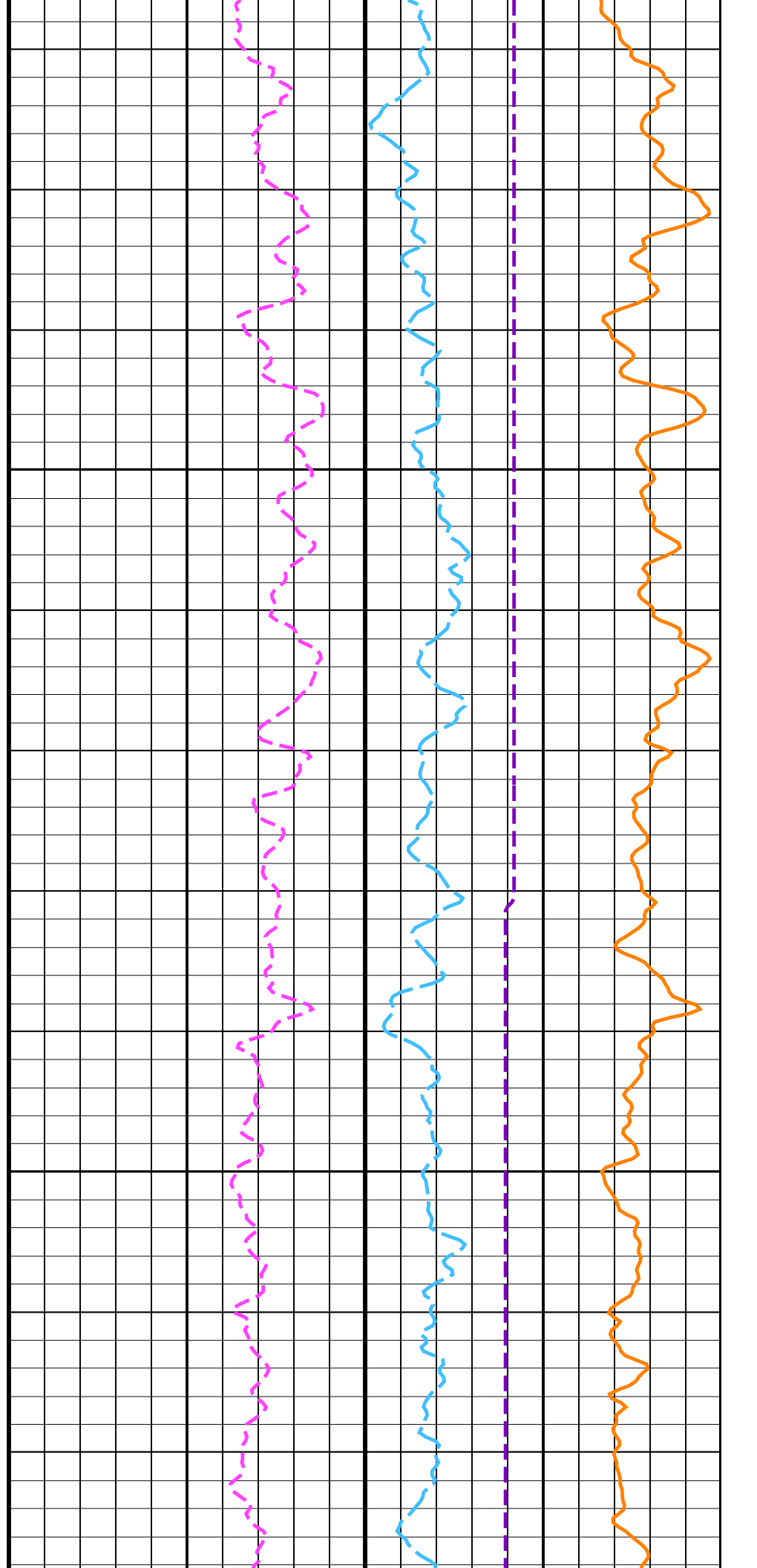
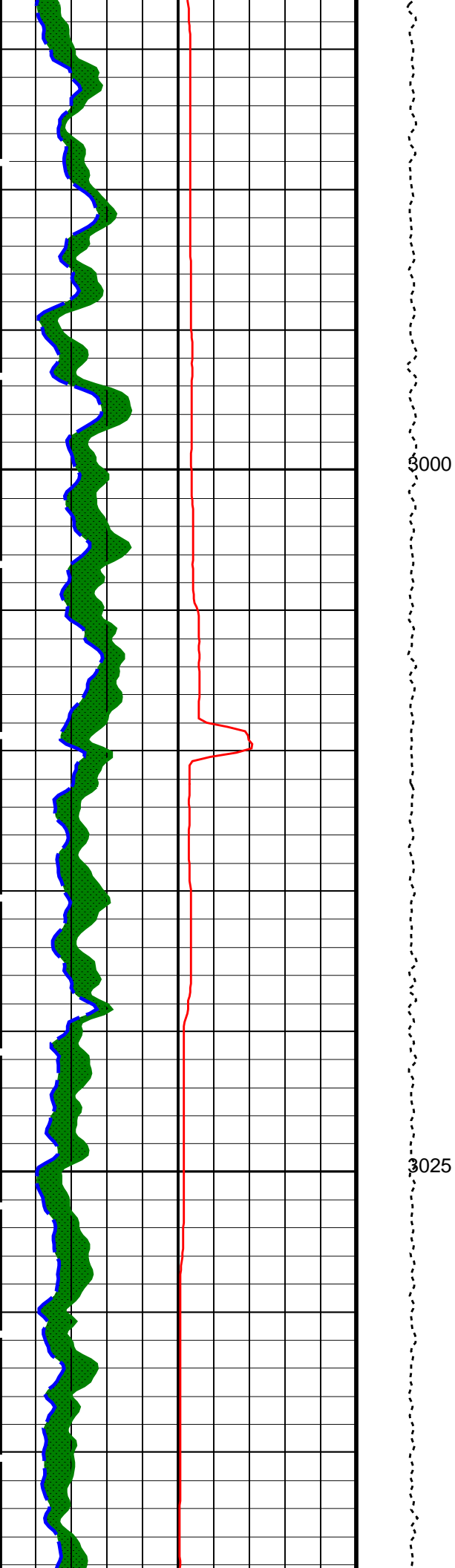


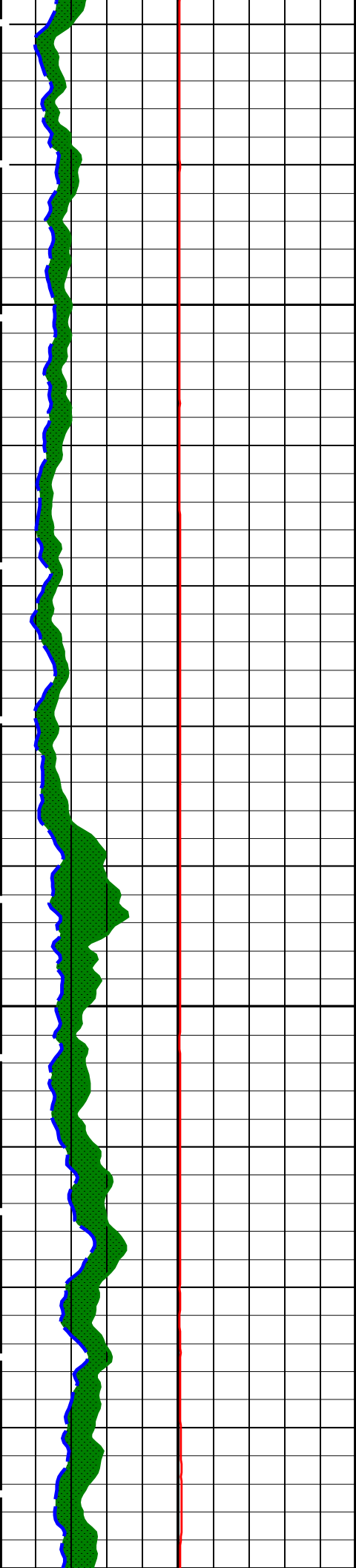






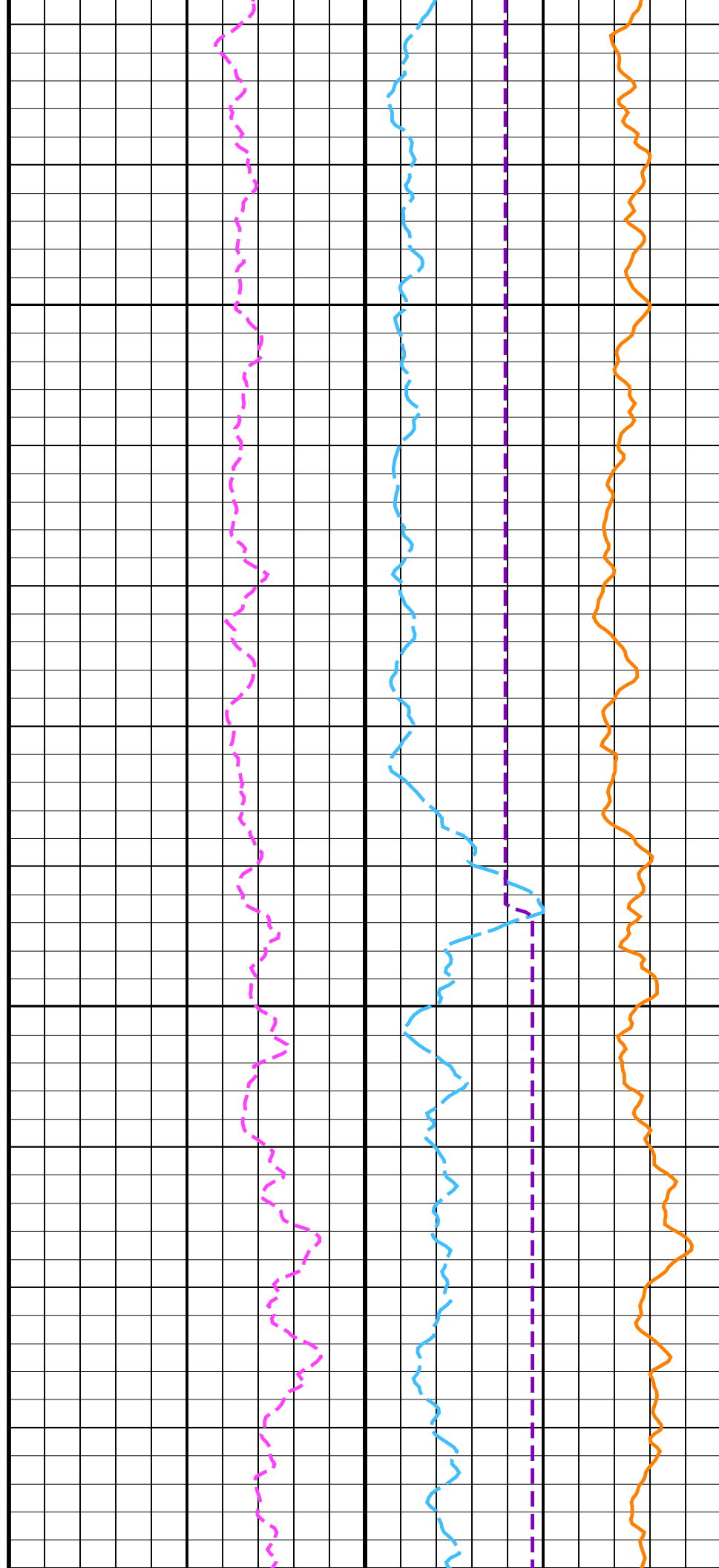


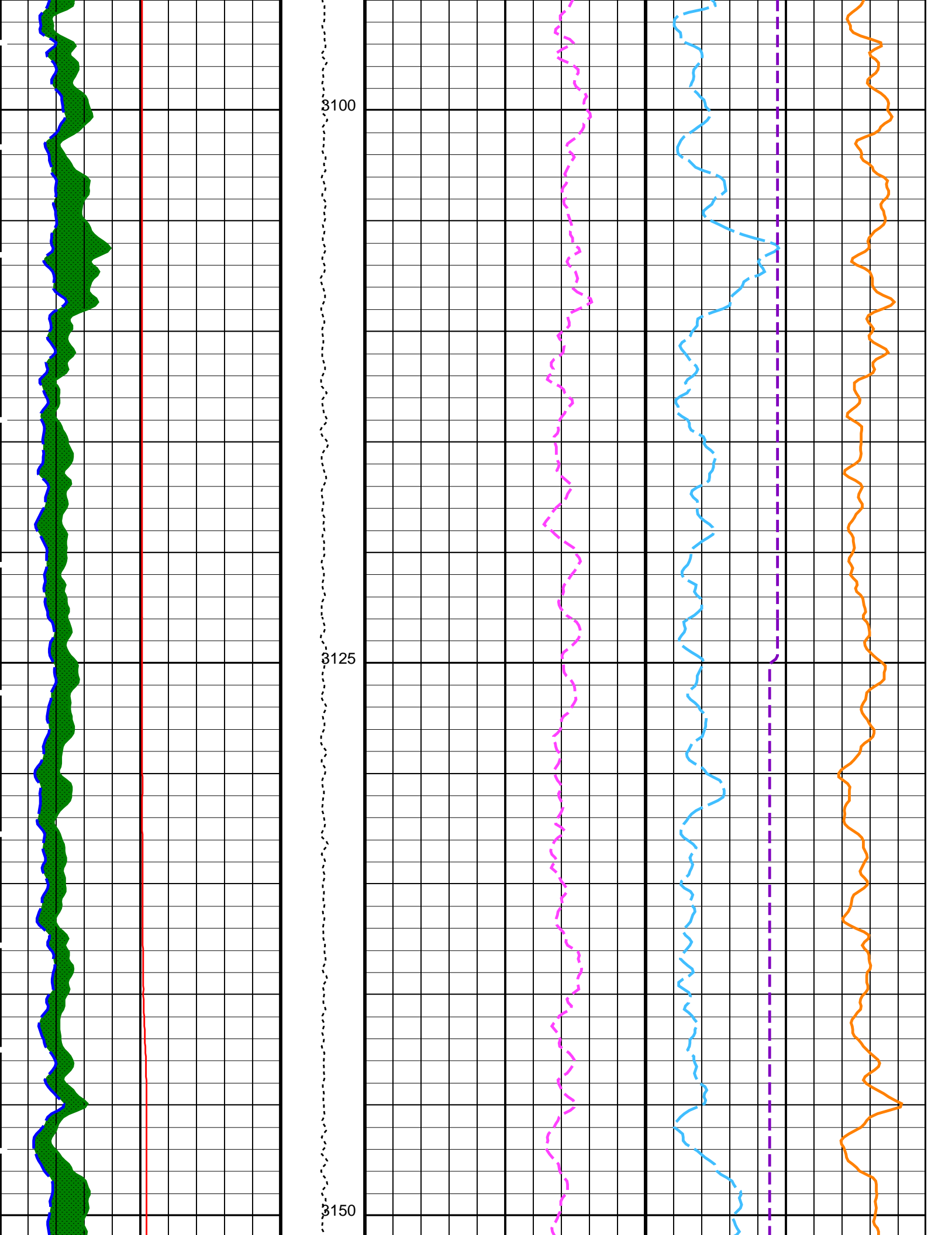


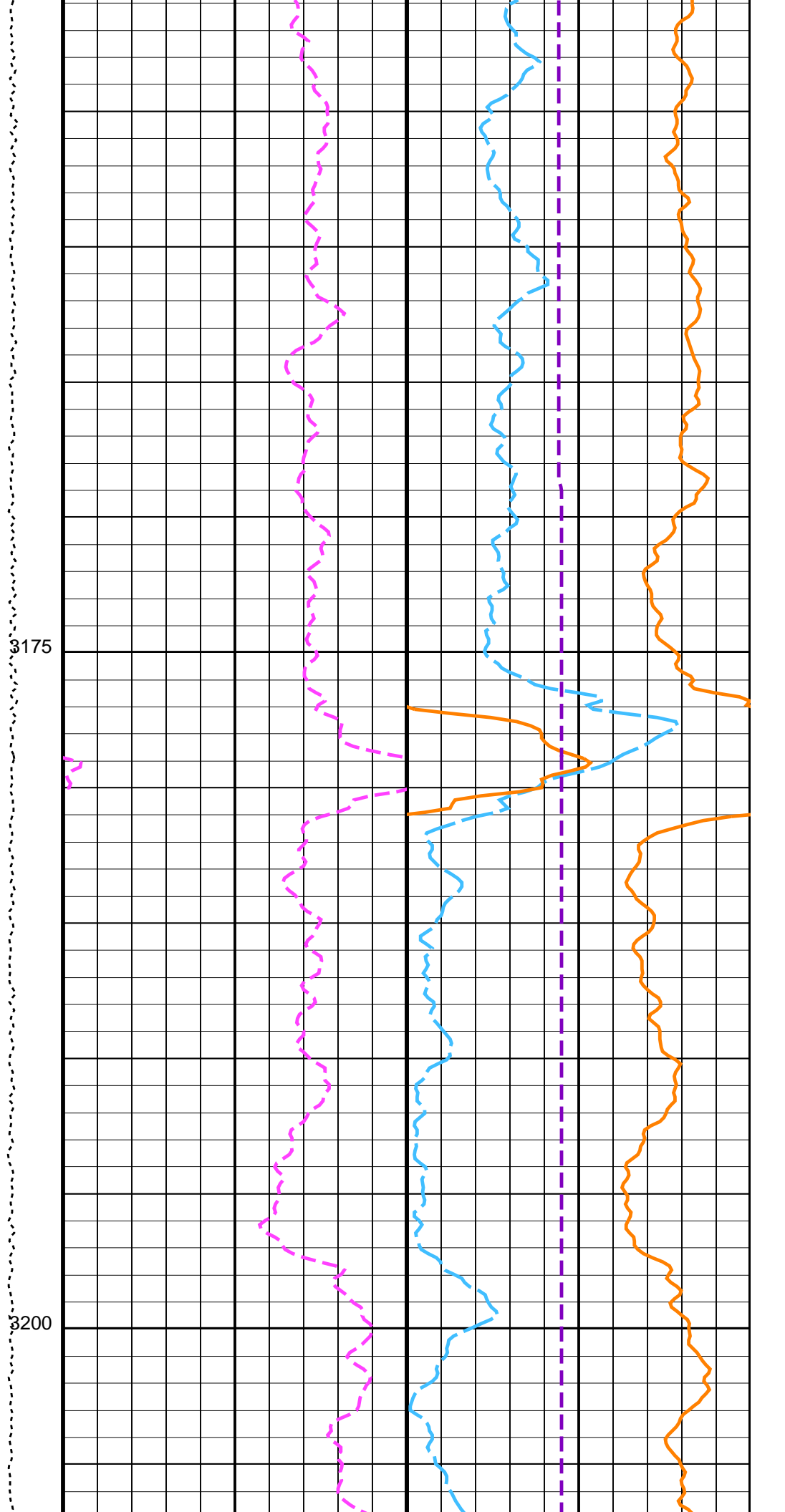
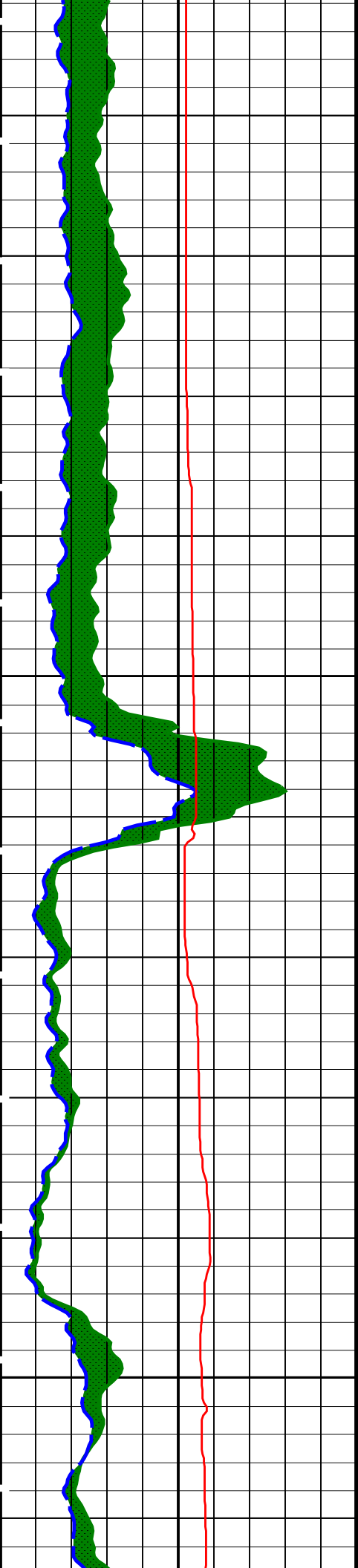


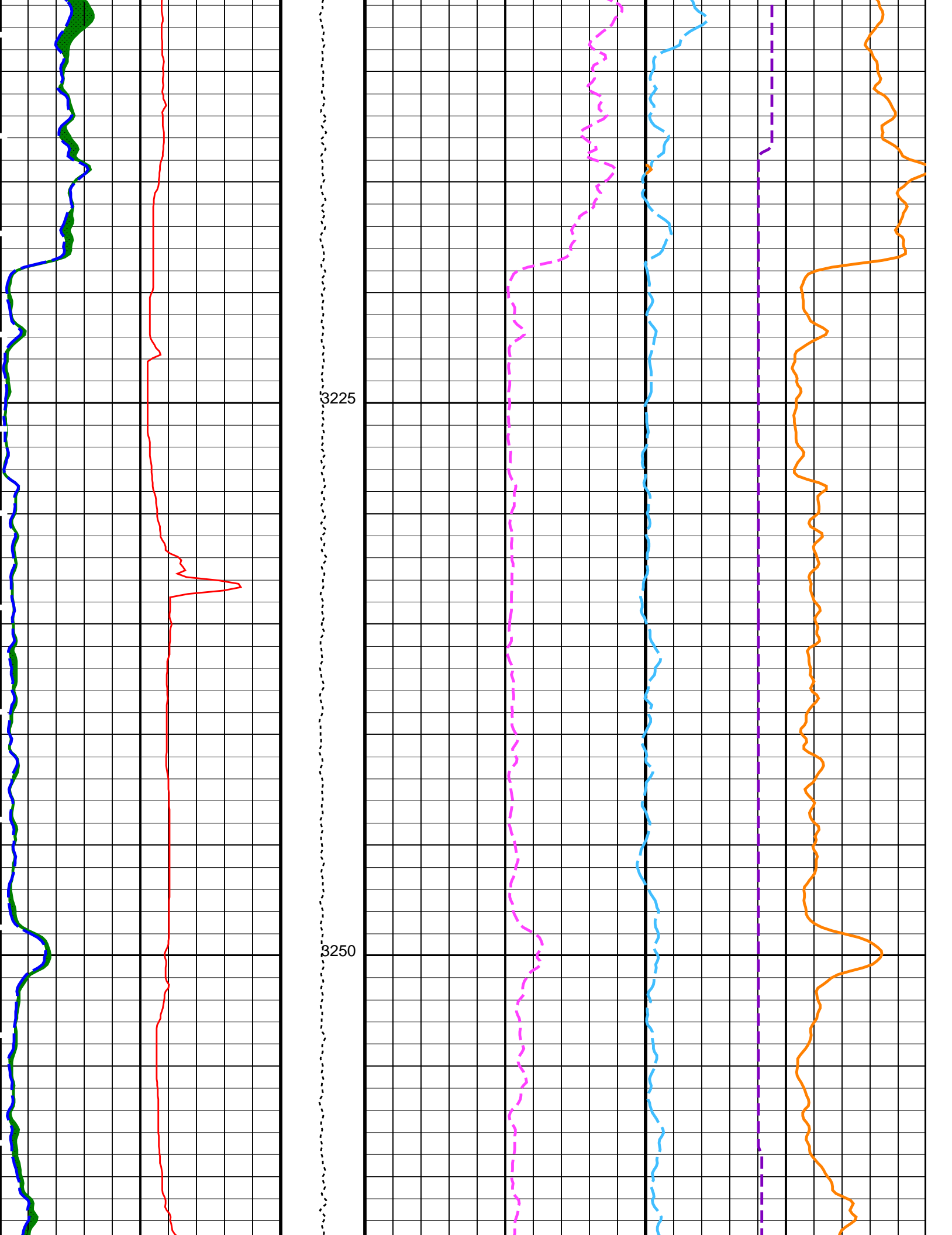
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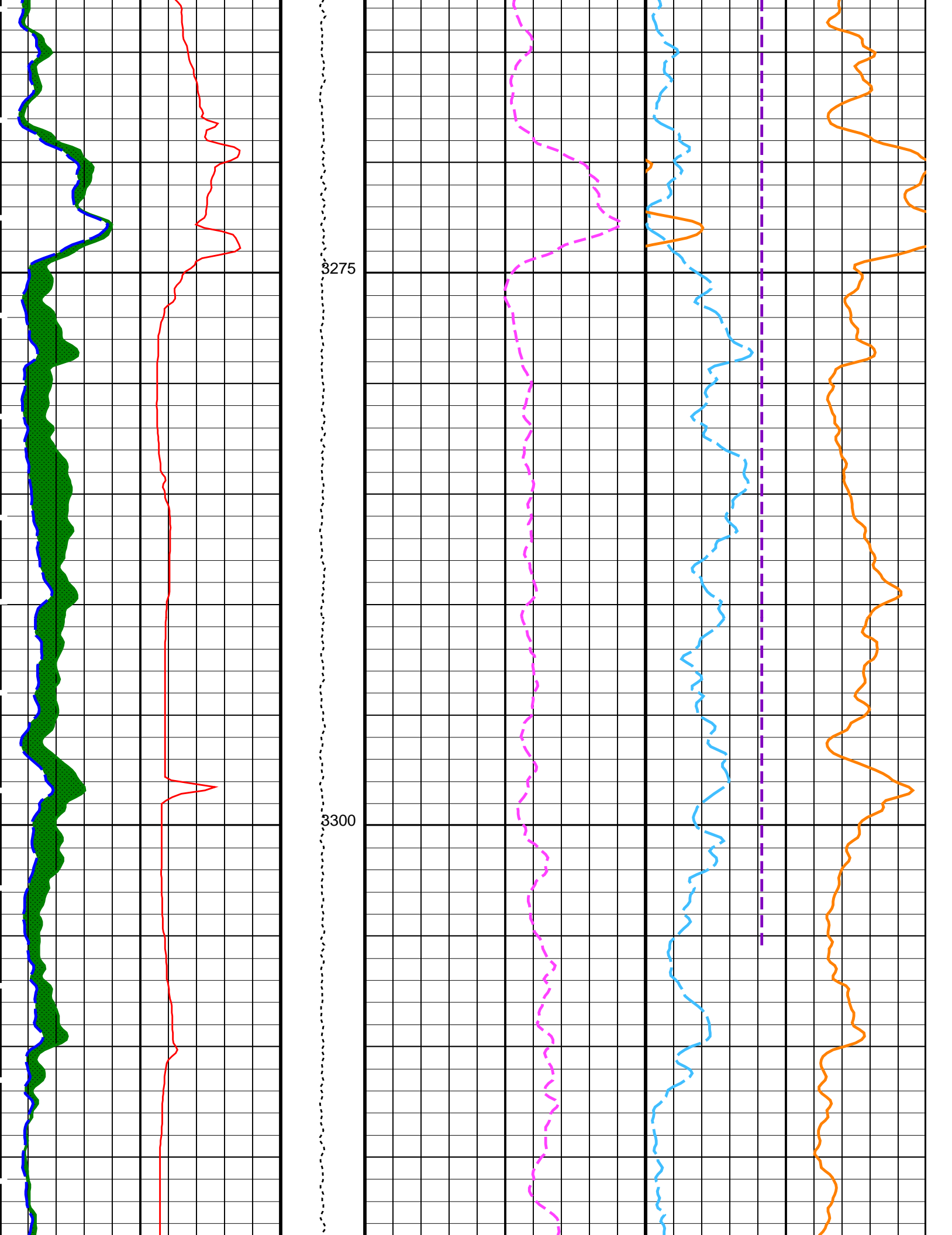
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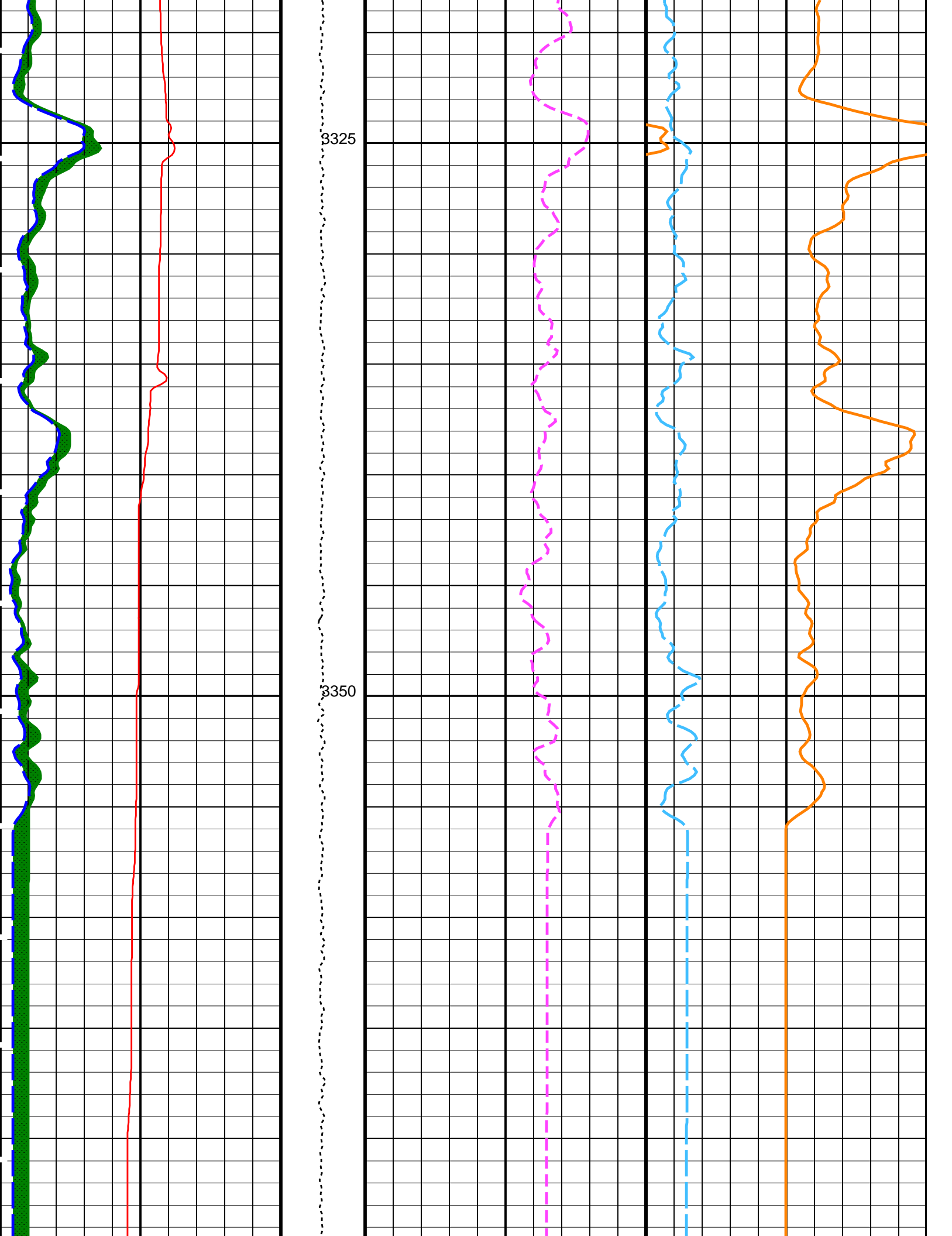


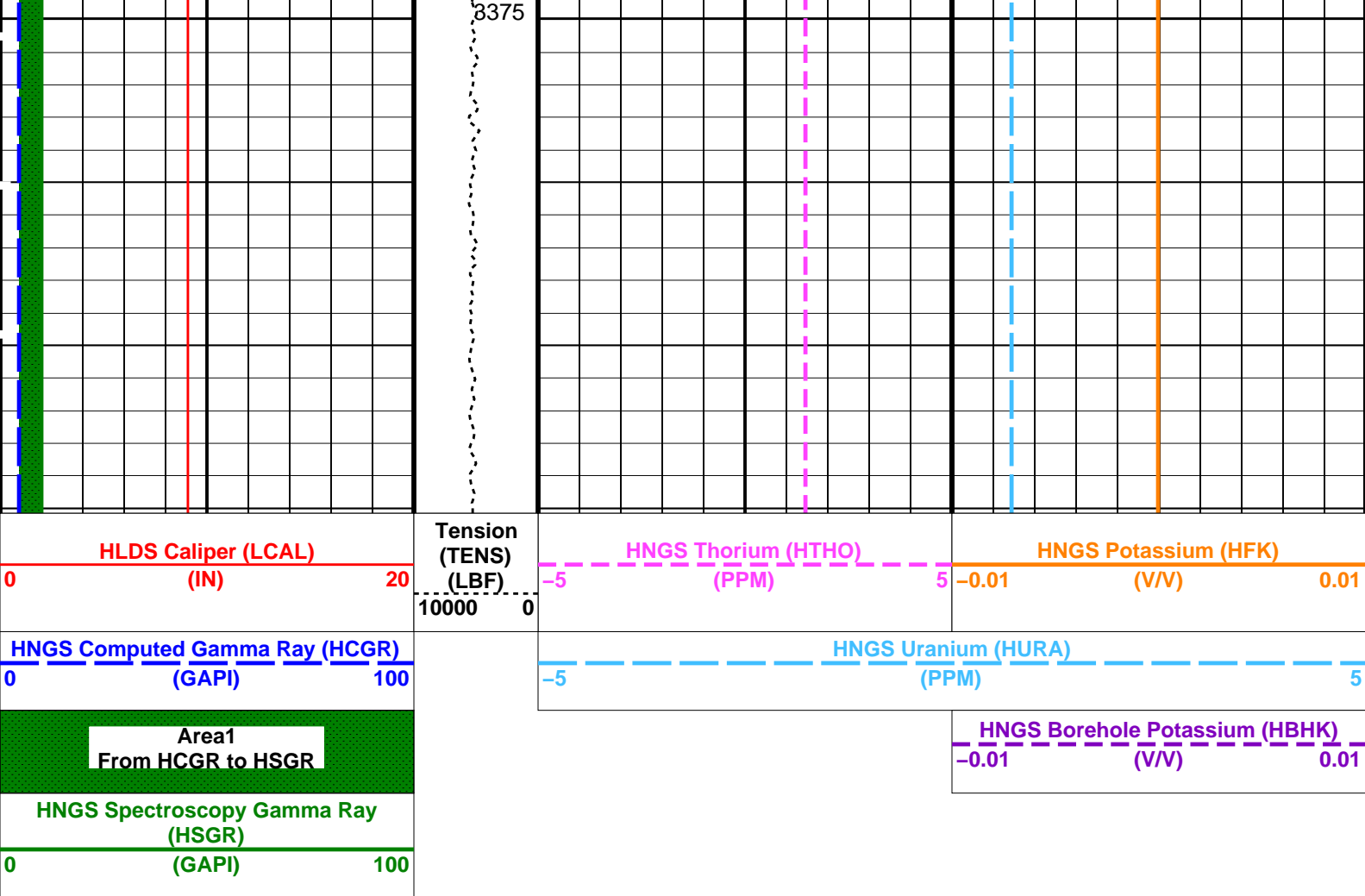












Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
APS-C: Accelerator-Porosity Tool			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00022055	
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	1.01278	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.997462	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			

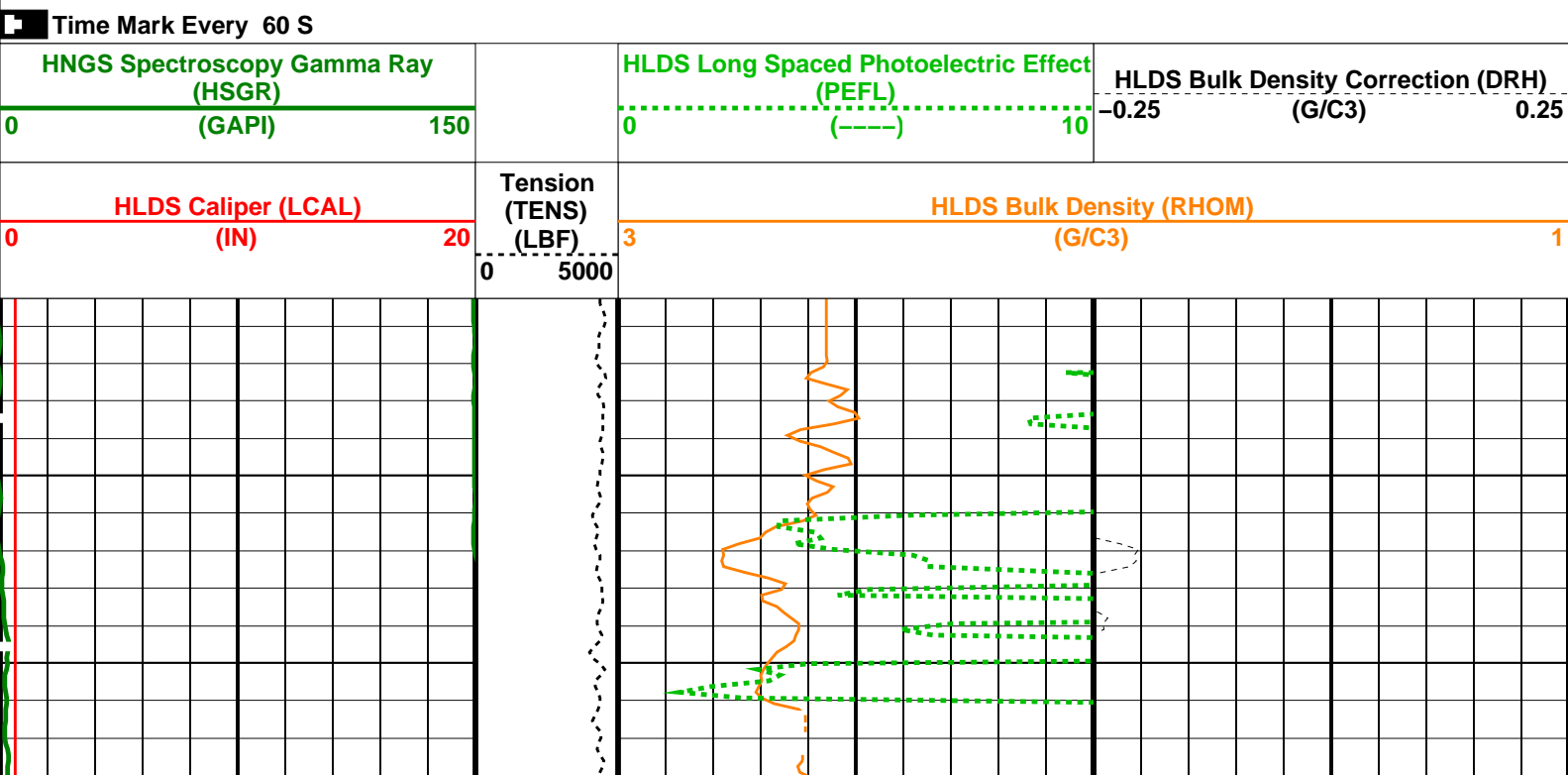
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MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
APS-C	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

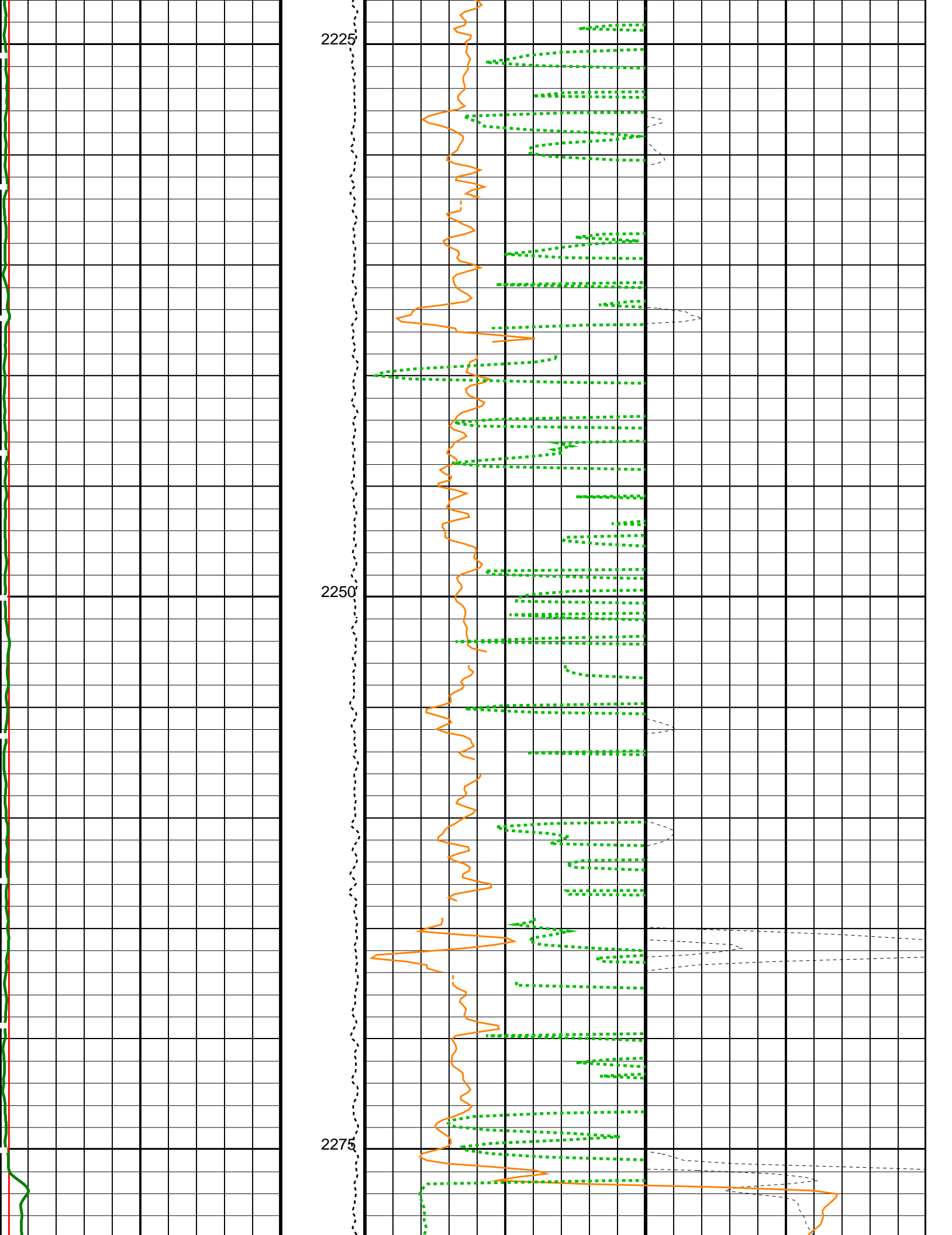
Input DLIS Files			
DEFAULT	MSS_LDEO_HRLA_LDL_021LUP	FN:23	PRODUCER 09-Aug-2023 13:49 3390.1 M 2210.1 M
Output DLIS Files			
DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:31	PRODUCER 09-Aug-2023 17:38
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:32	PRODUCER 09-Aug-2023 17:38

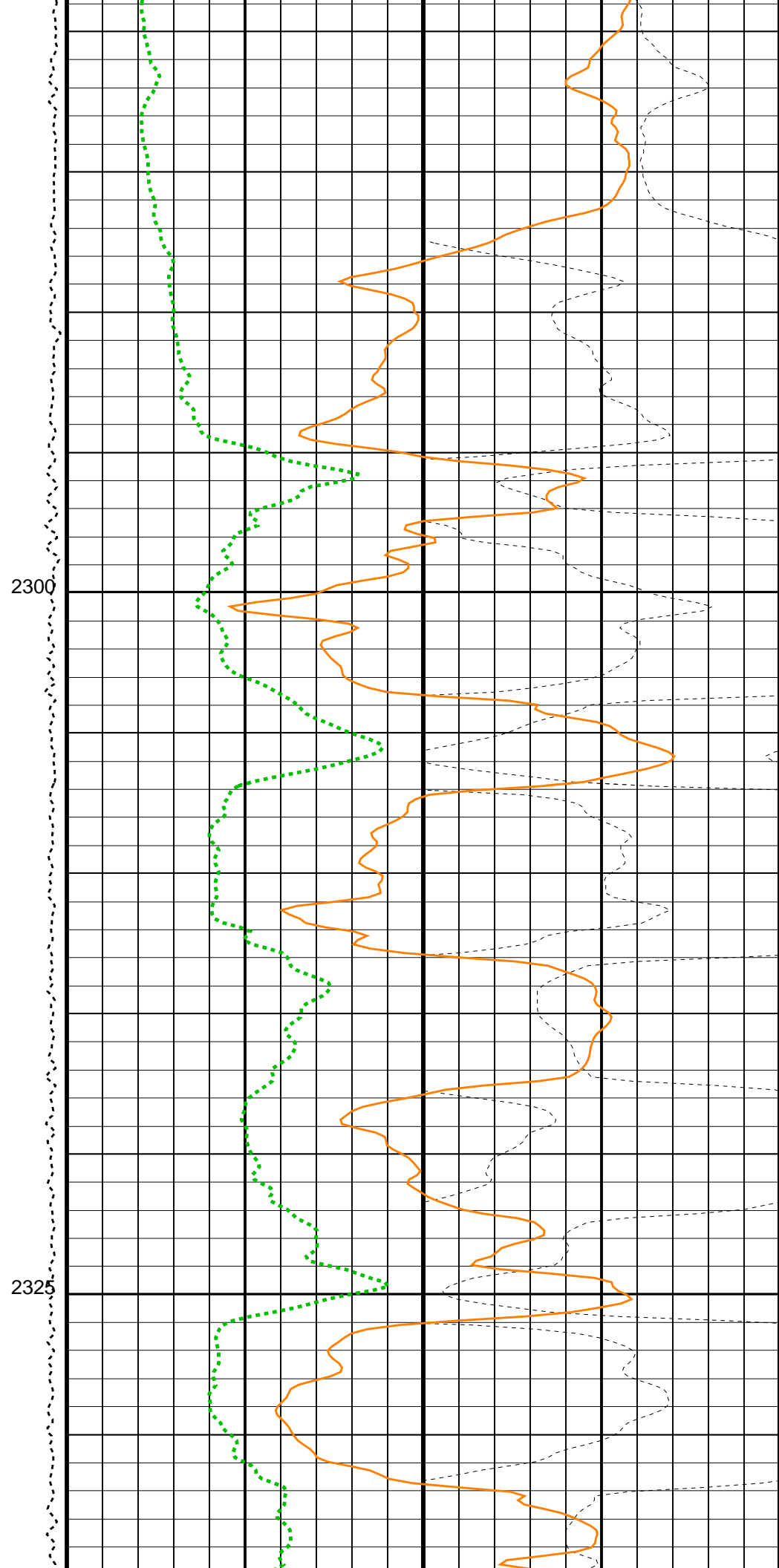
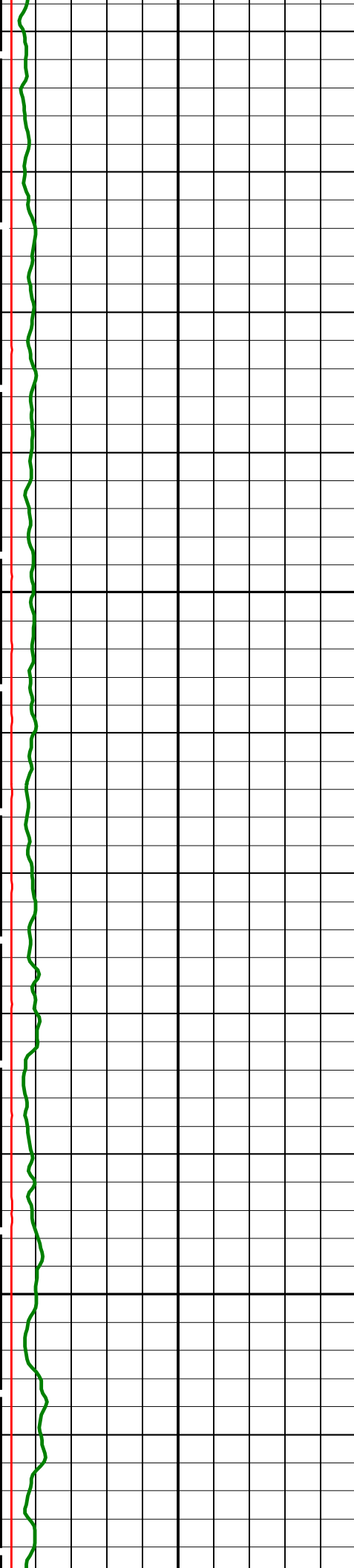
Input DLIS Files			
DEFAULT	MSS_LDEO_HRLA_LDL_021LUP	FN:23	PRODUCER 09-Aug-2023 13:49 3390.1 M 2210.1 M
Output DLIS Files			
DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:31	PRODUCER 09-Aug-2023 17:38 3390.1 M 2210.3 M
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:32	PRODUCER 09-Aug-2023 17:38 3390.1 M 2210.3 M

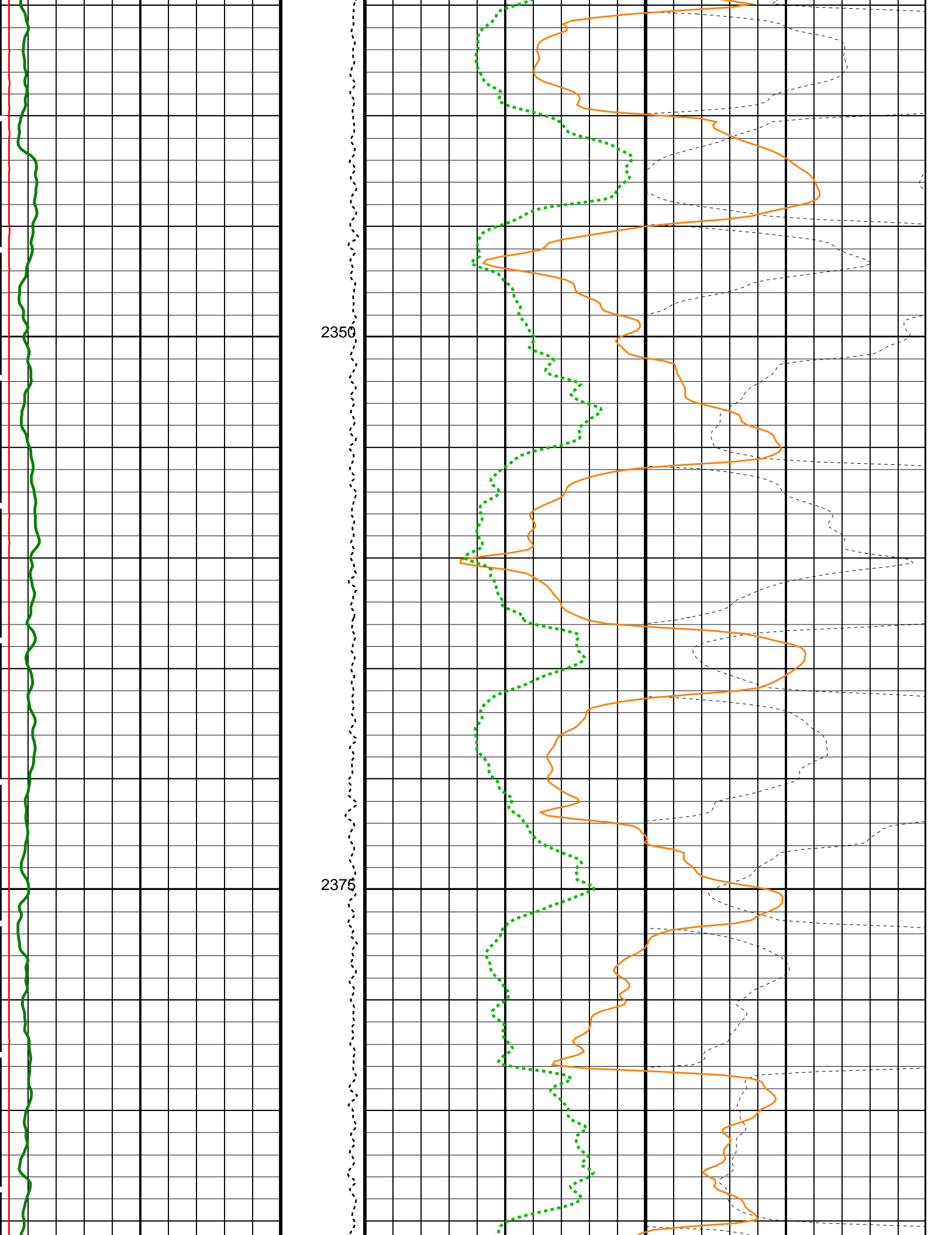
OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
APS-C	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

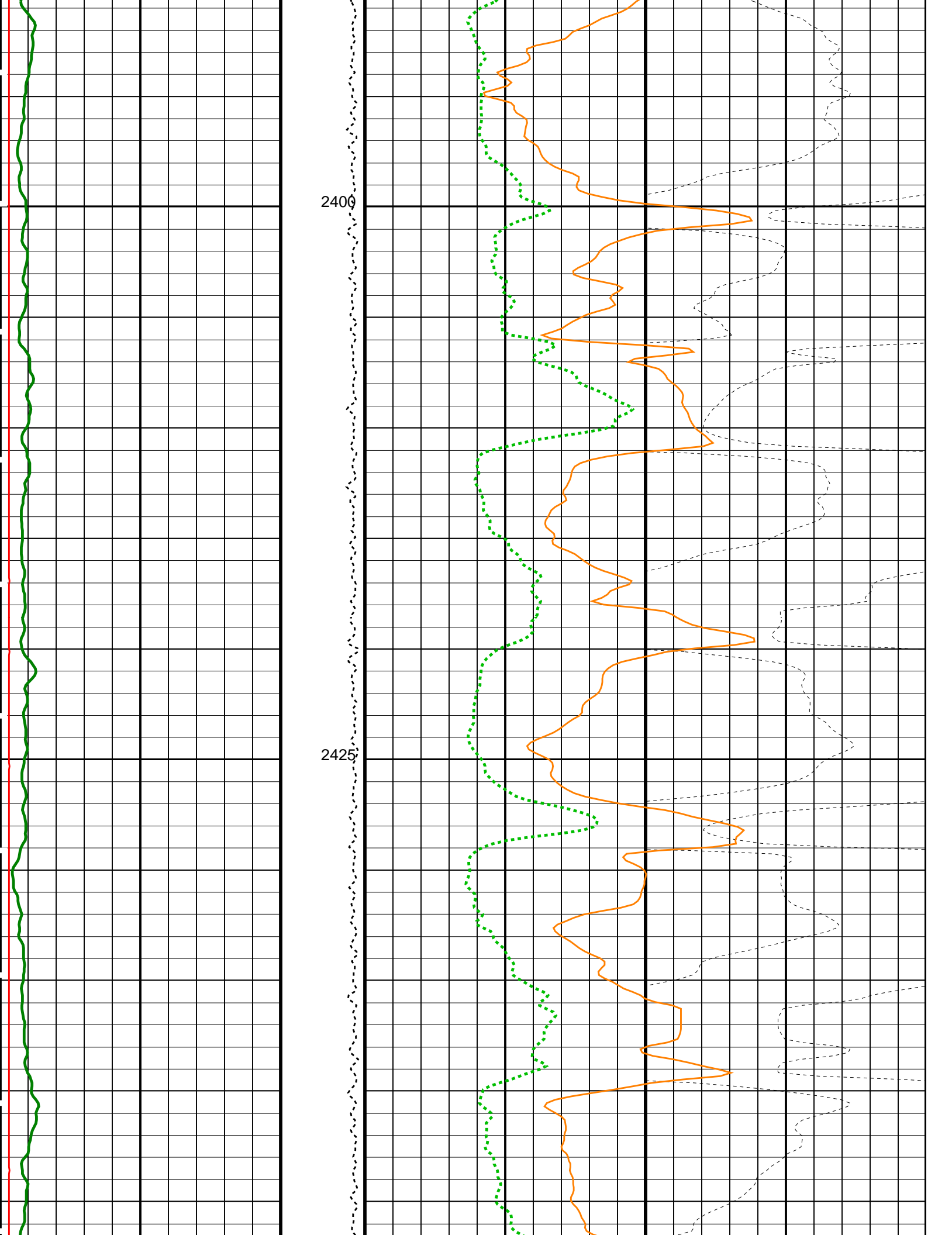
PIP SUMMARY

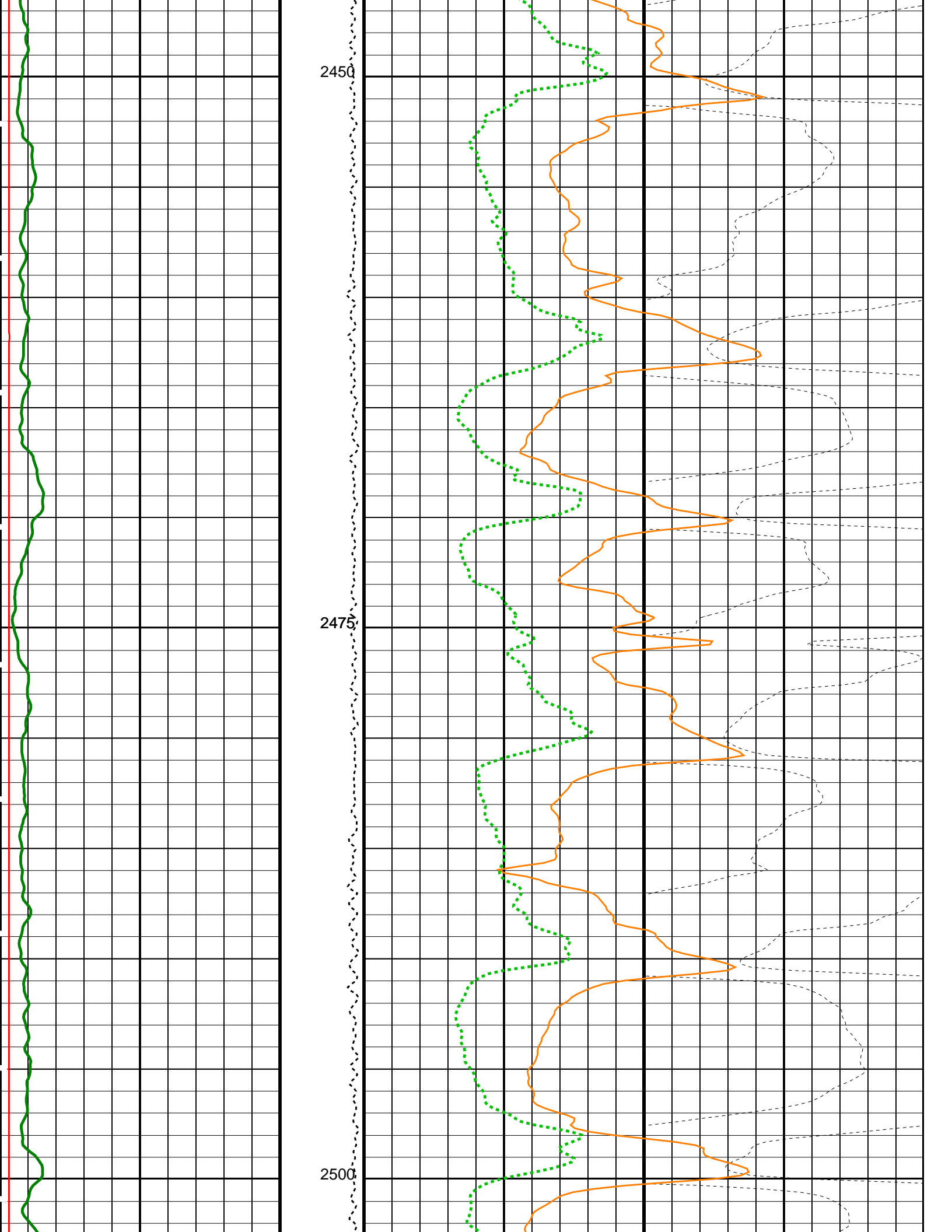


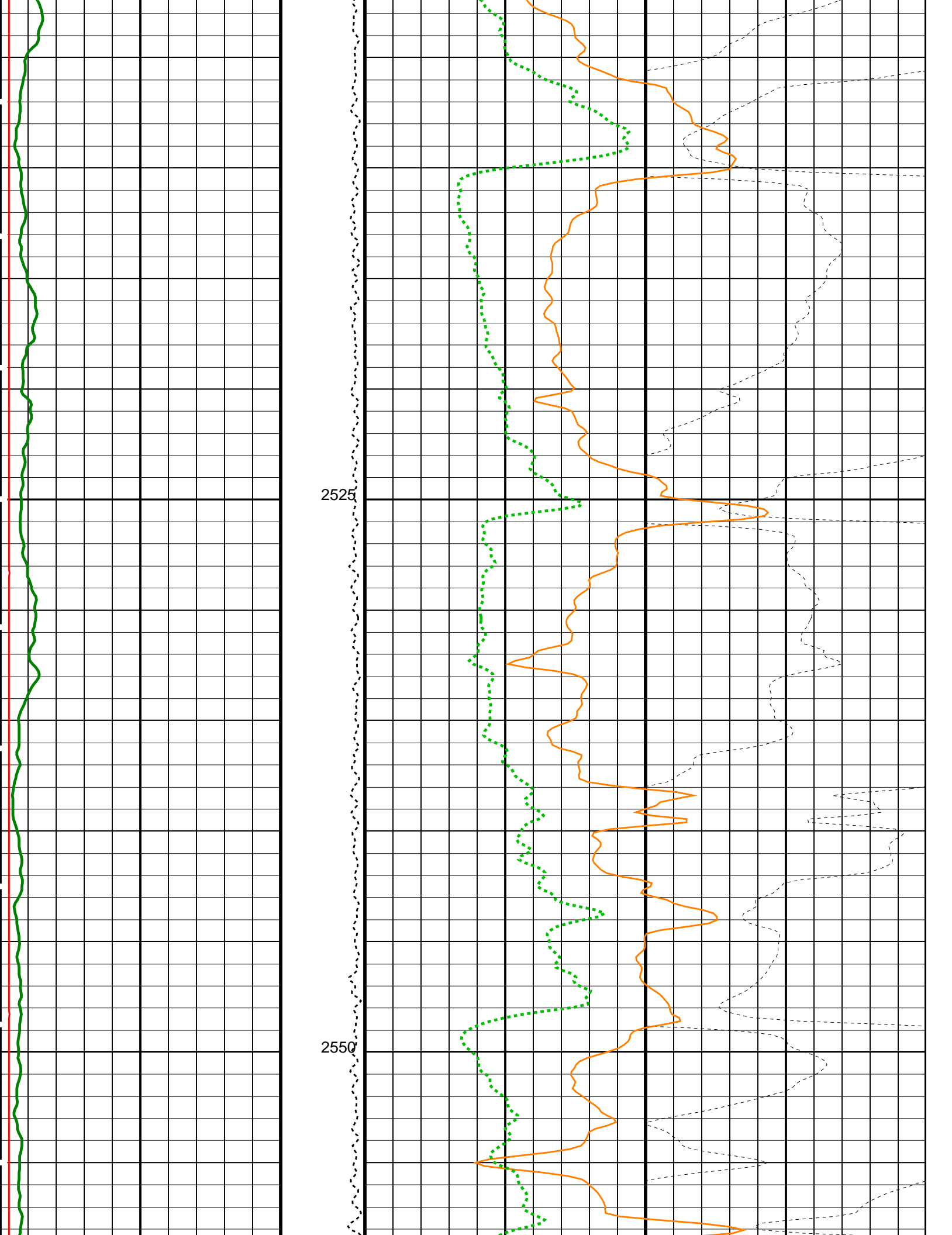


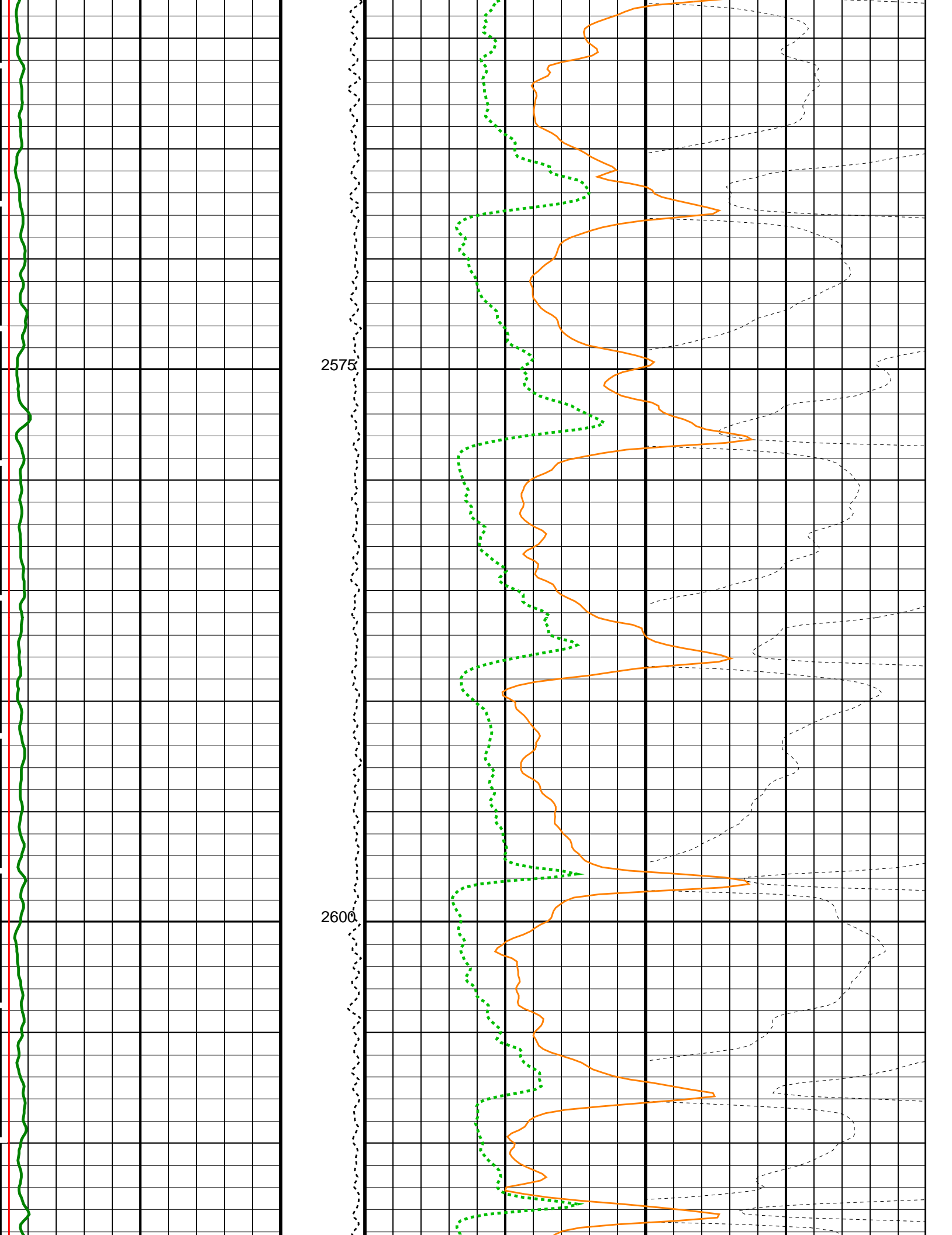


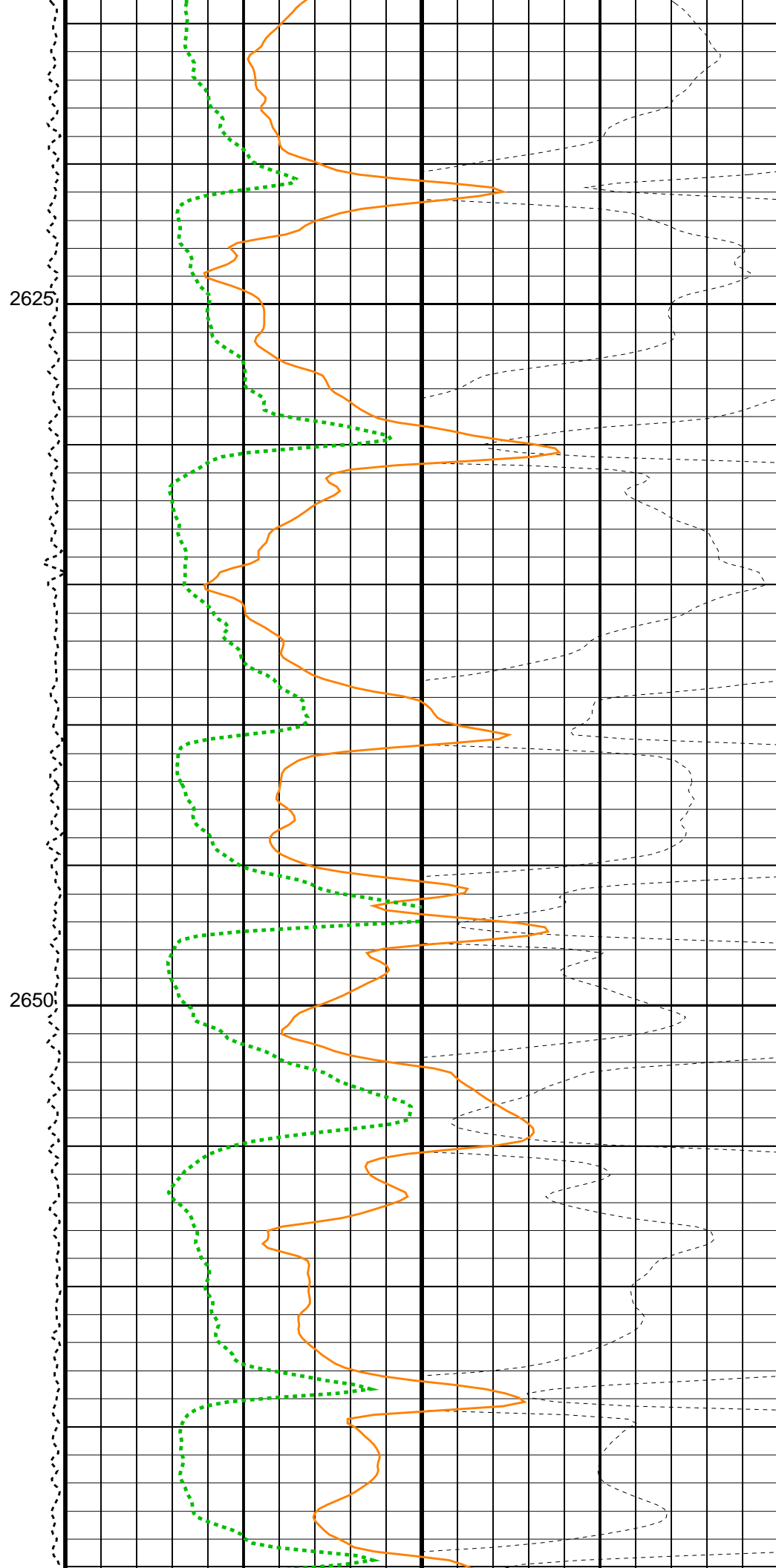
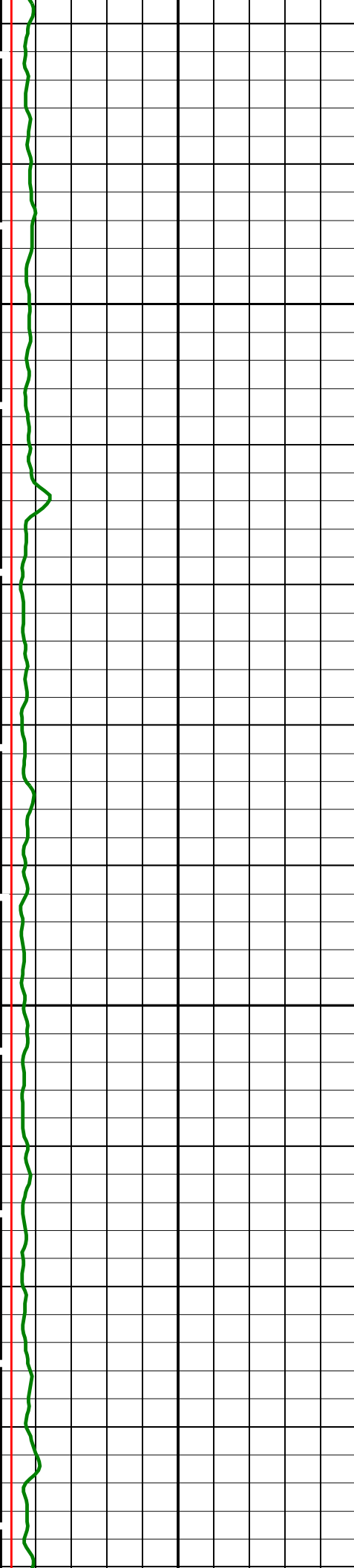


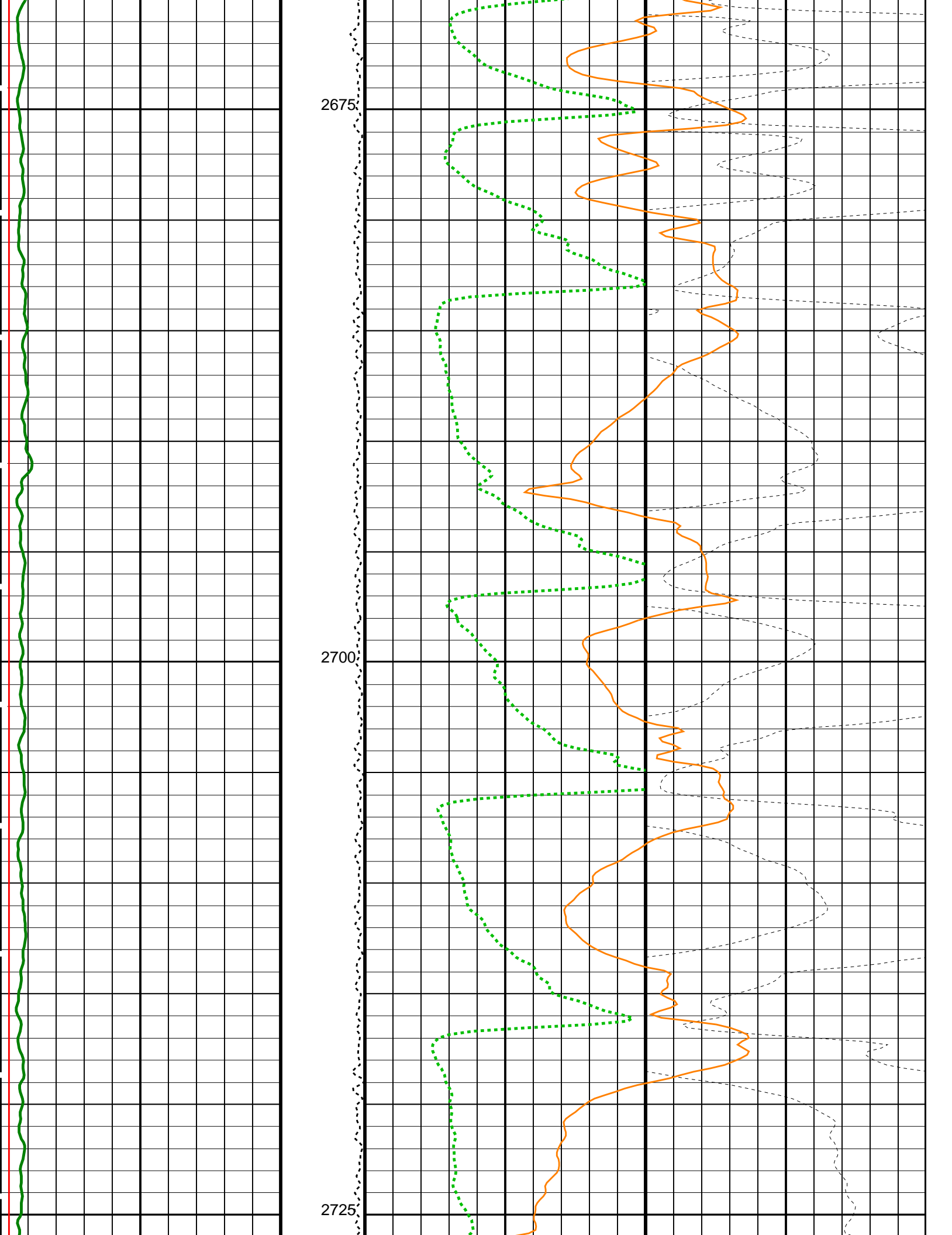


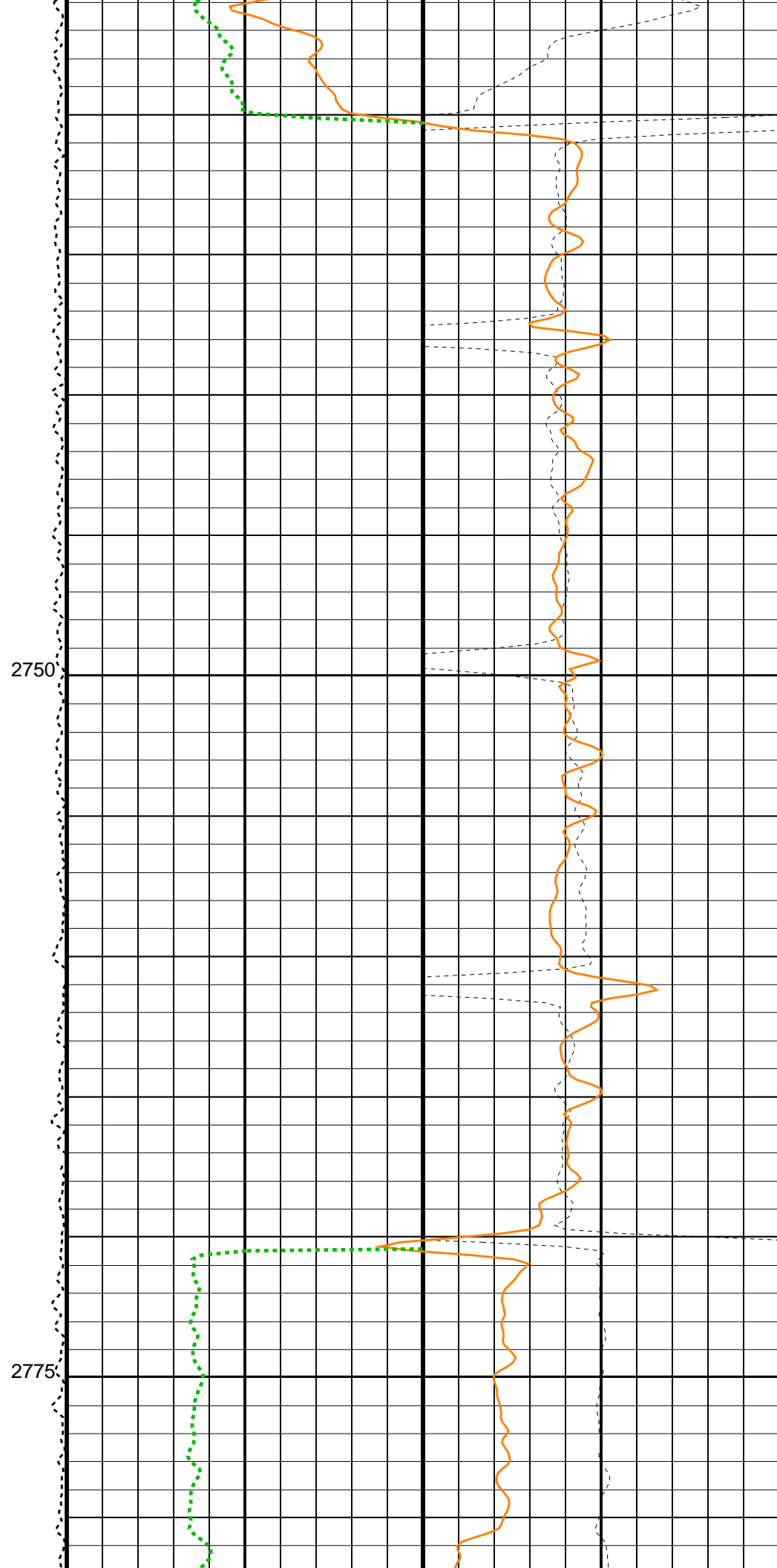
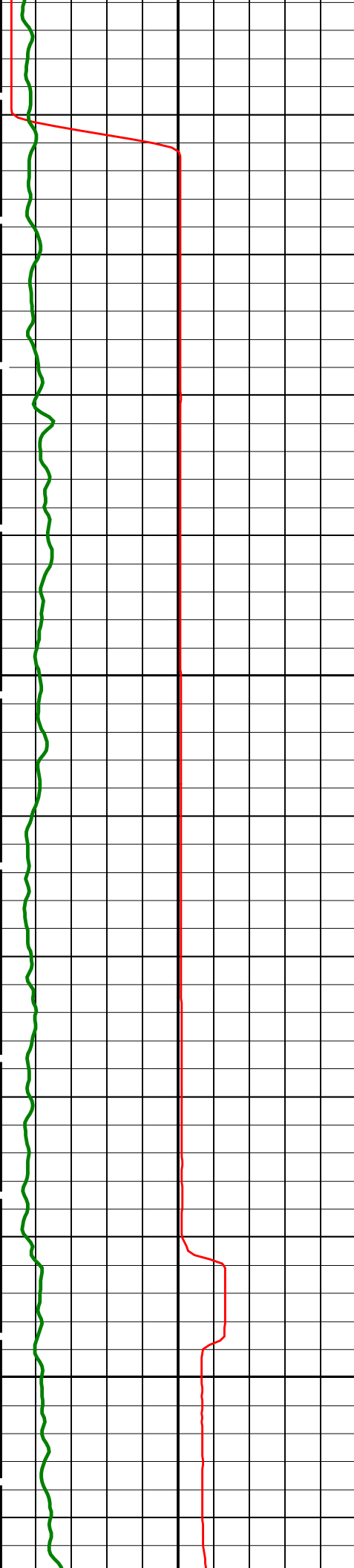


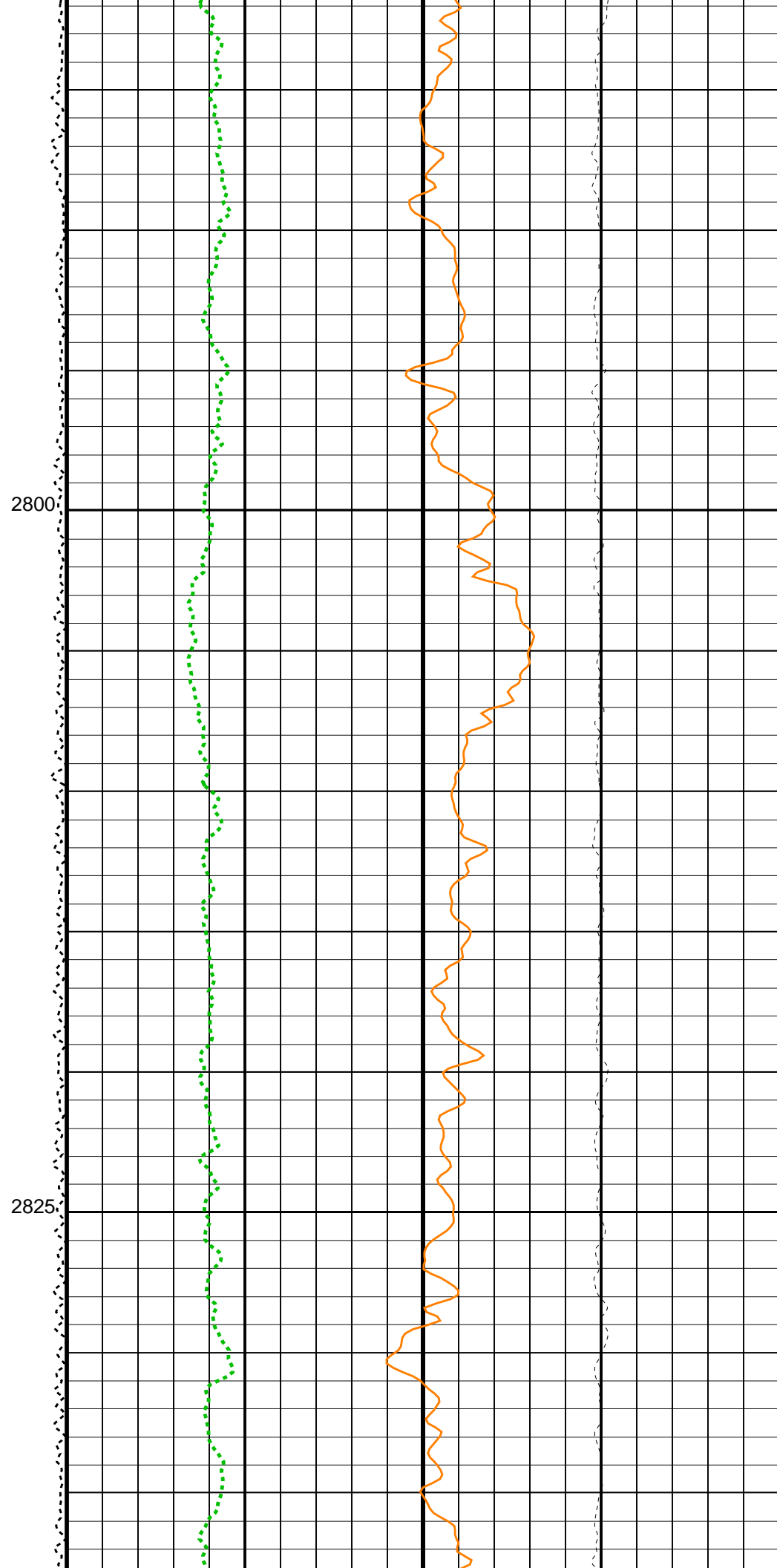
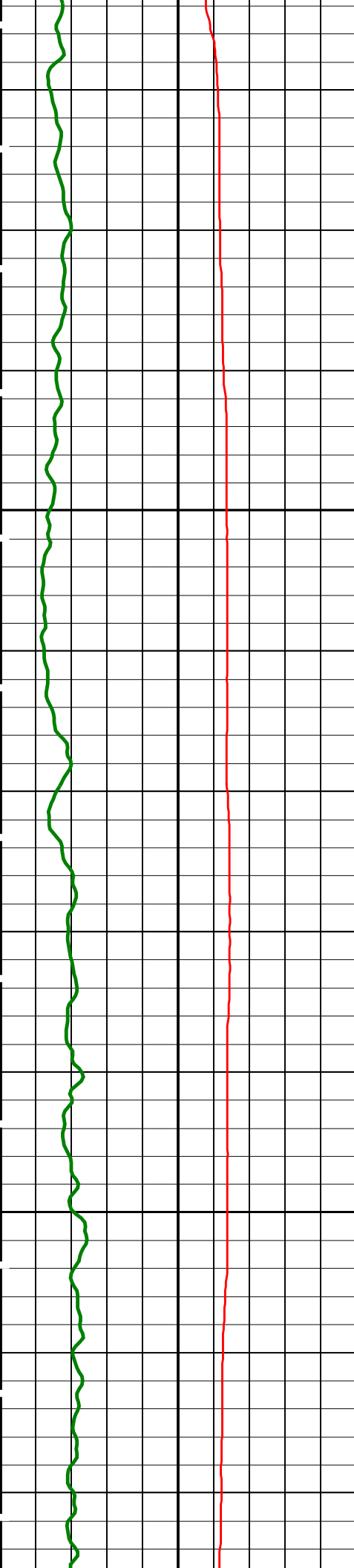


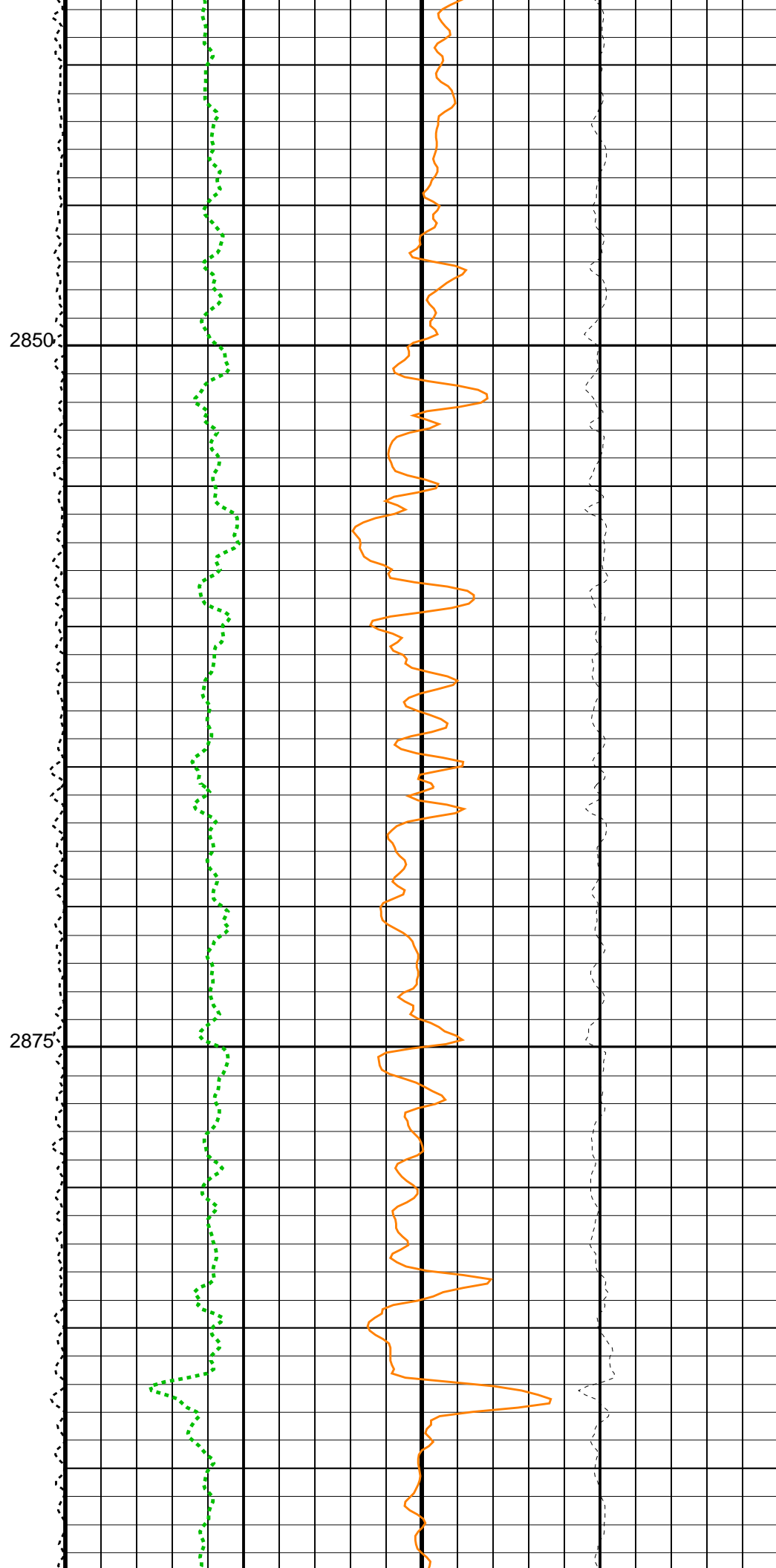
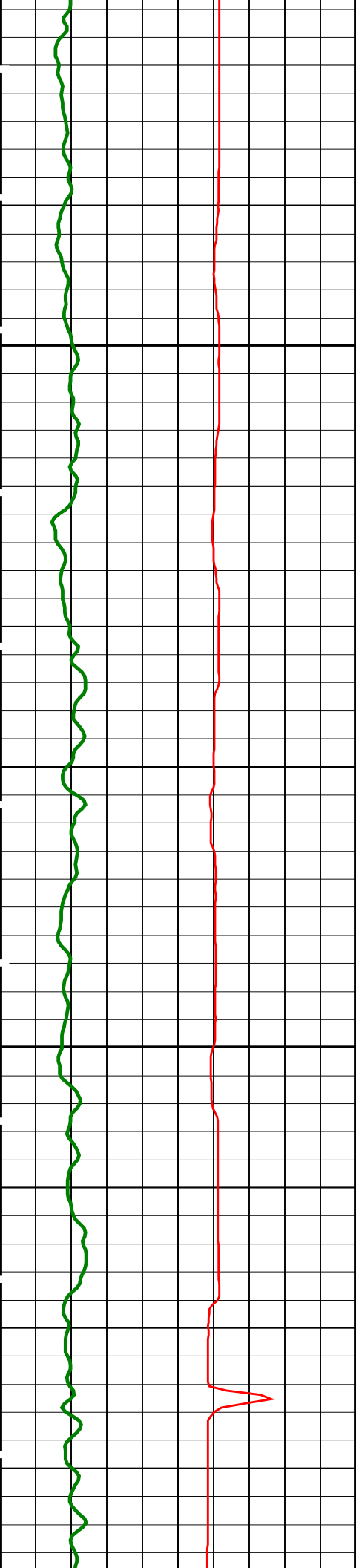


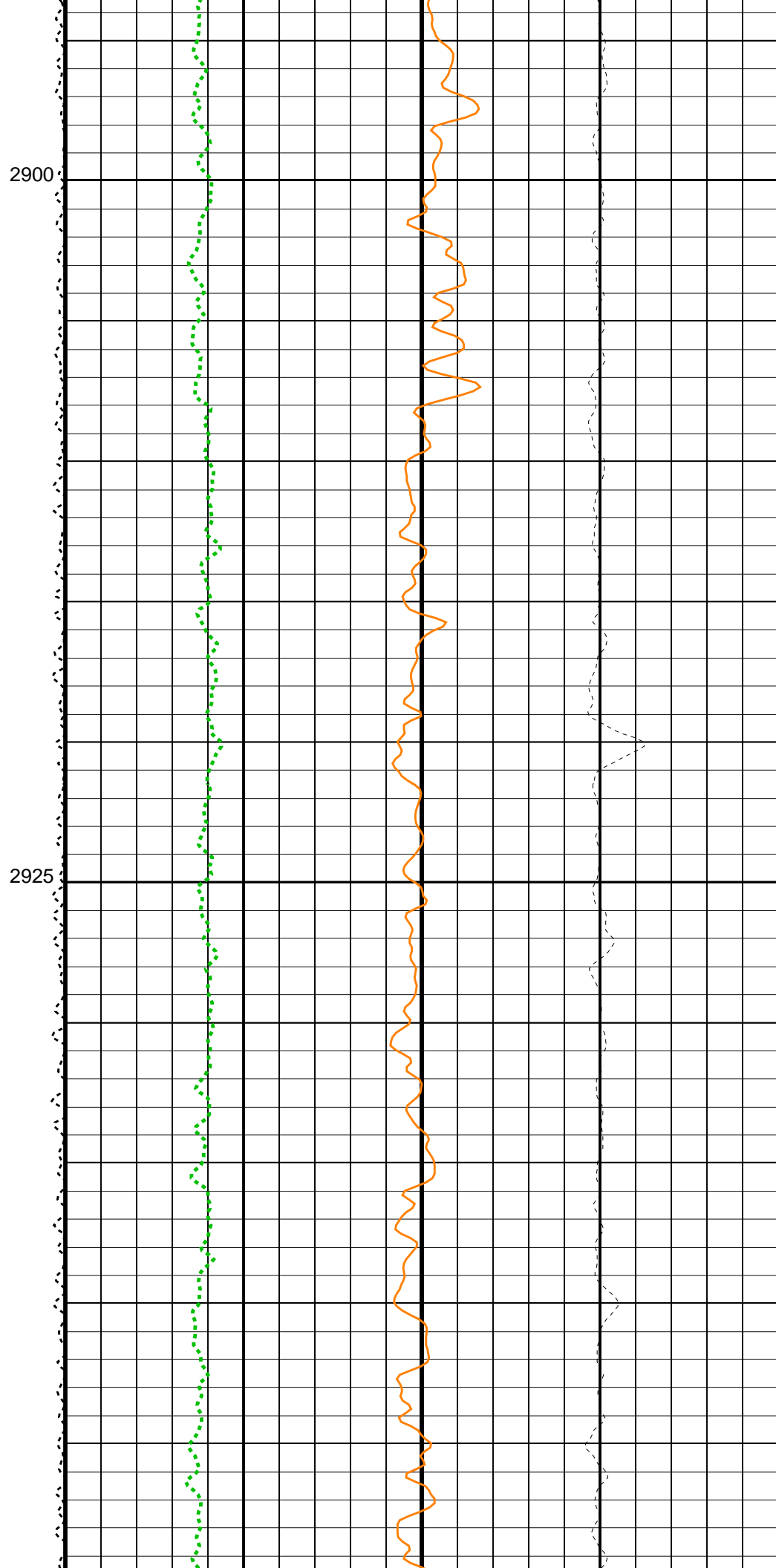
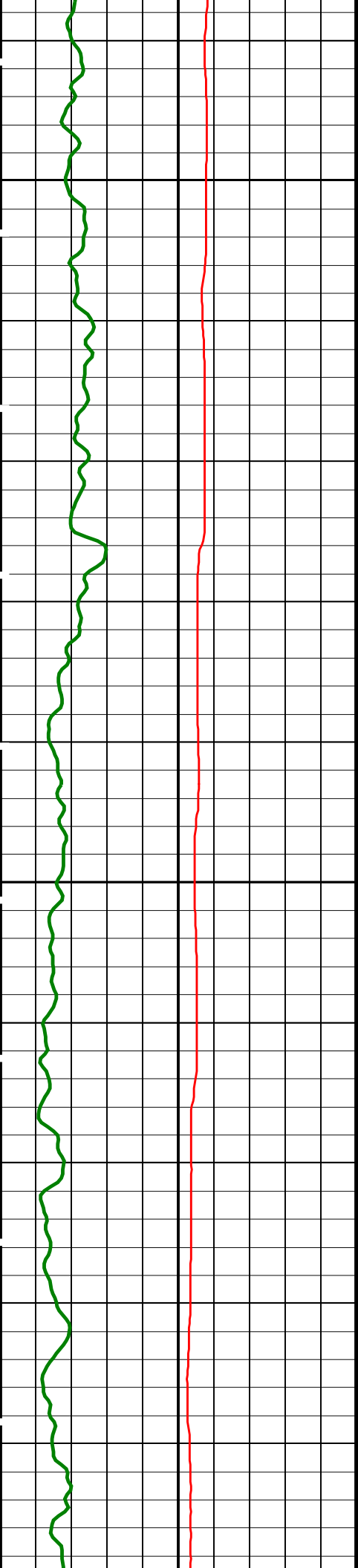


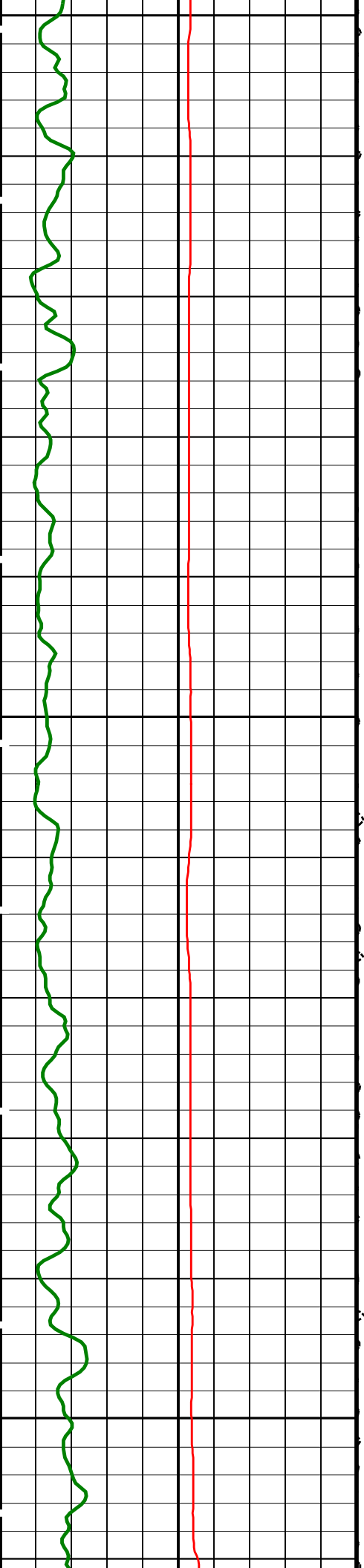








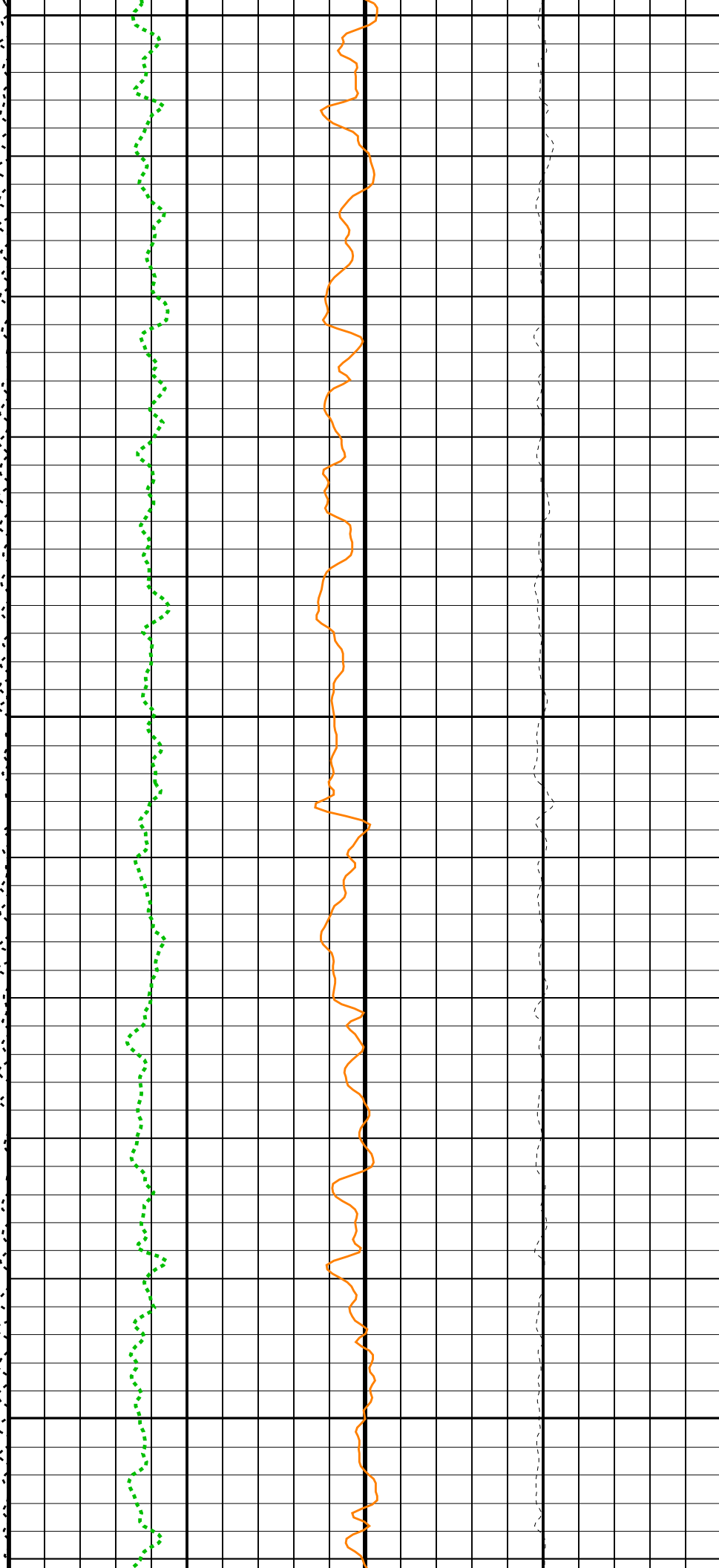


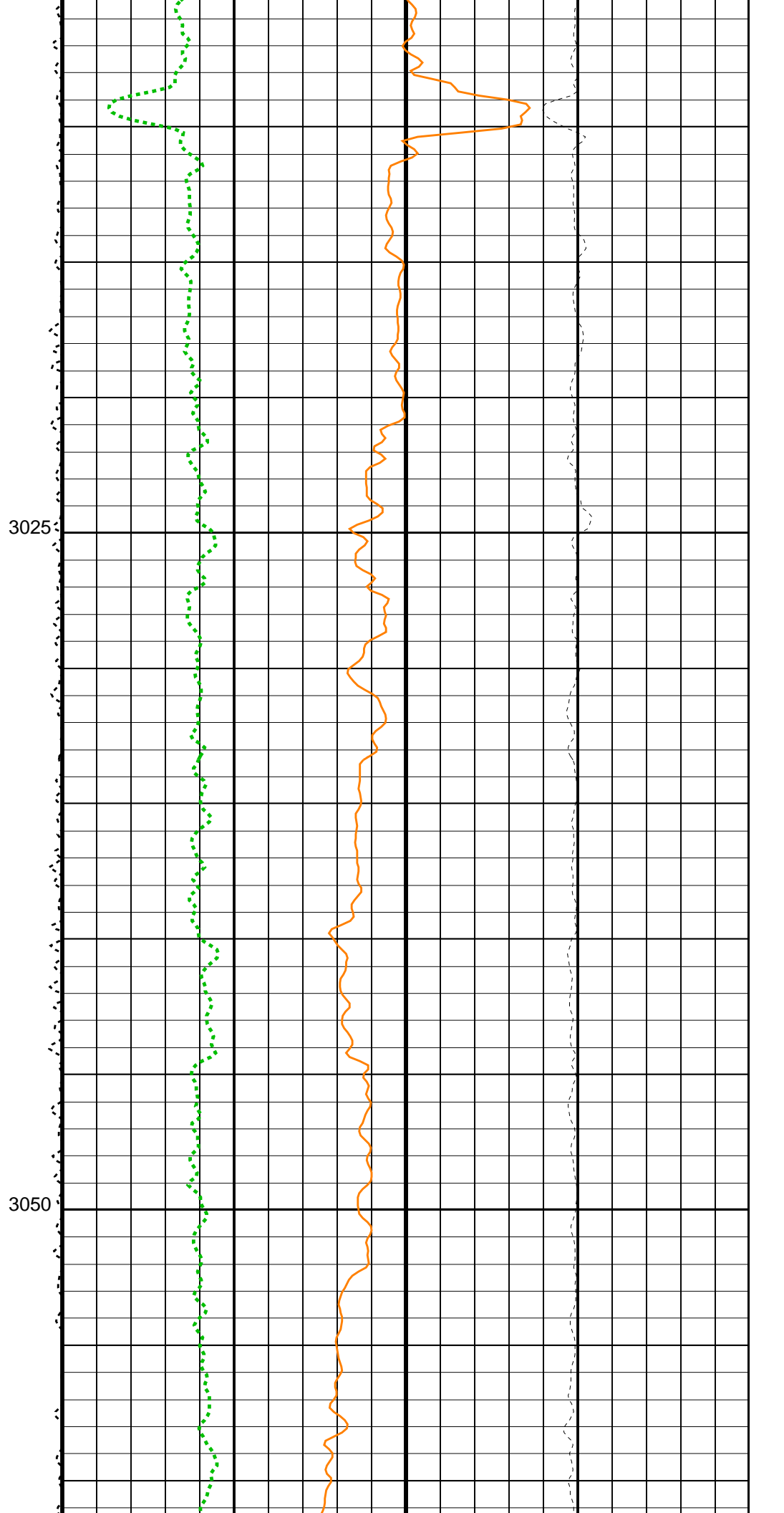
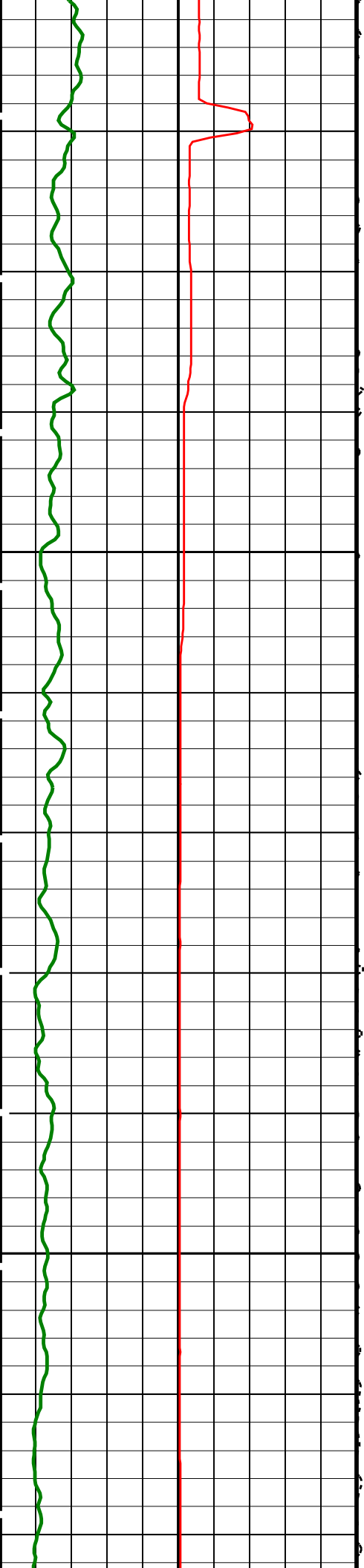


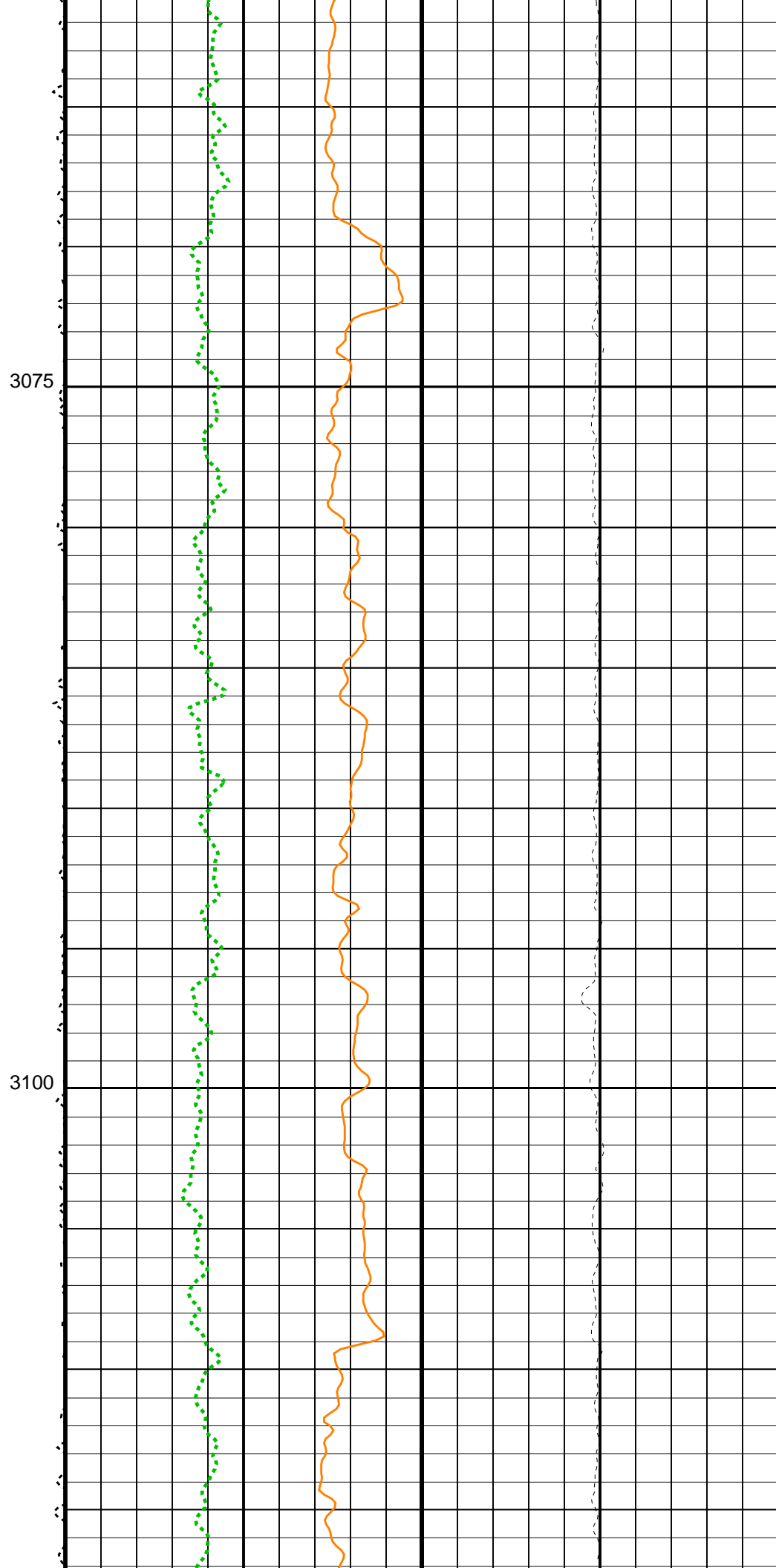
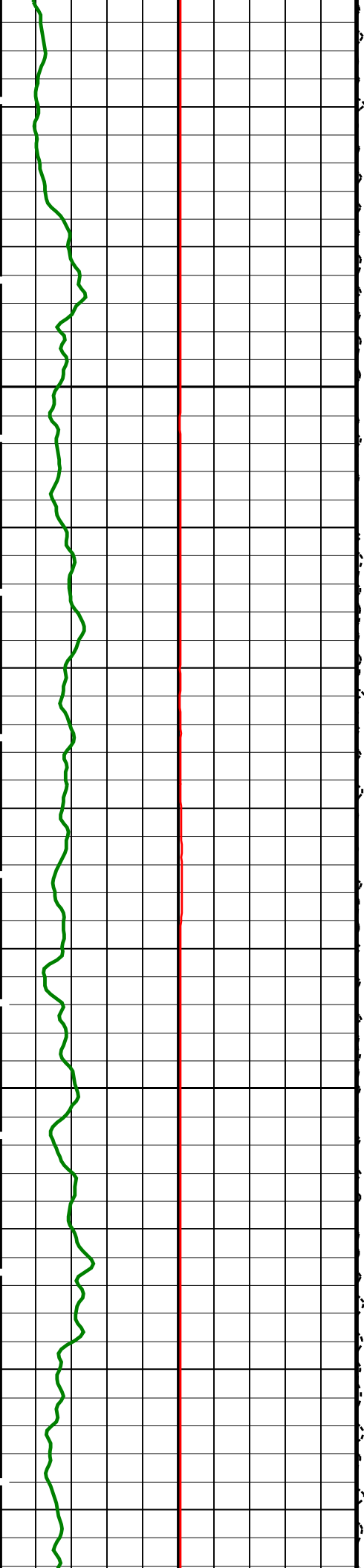
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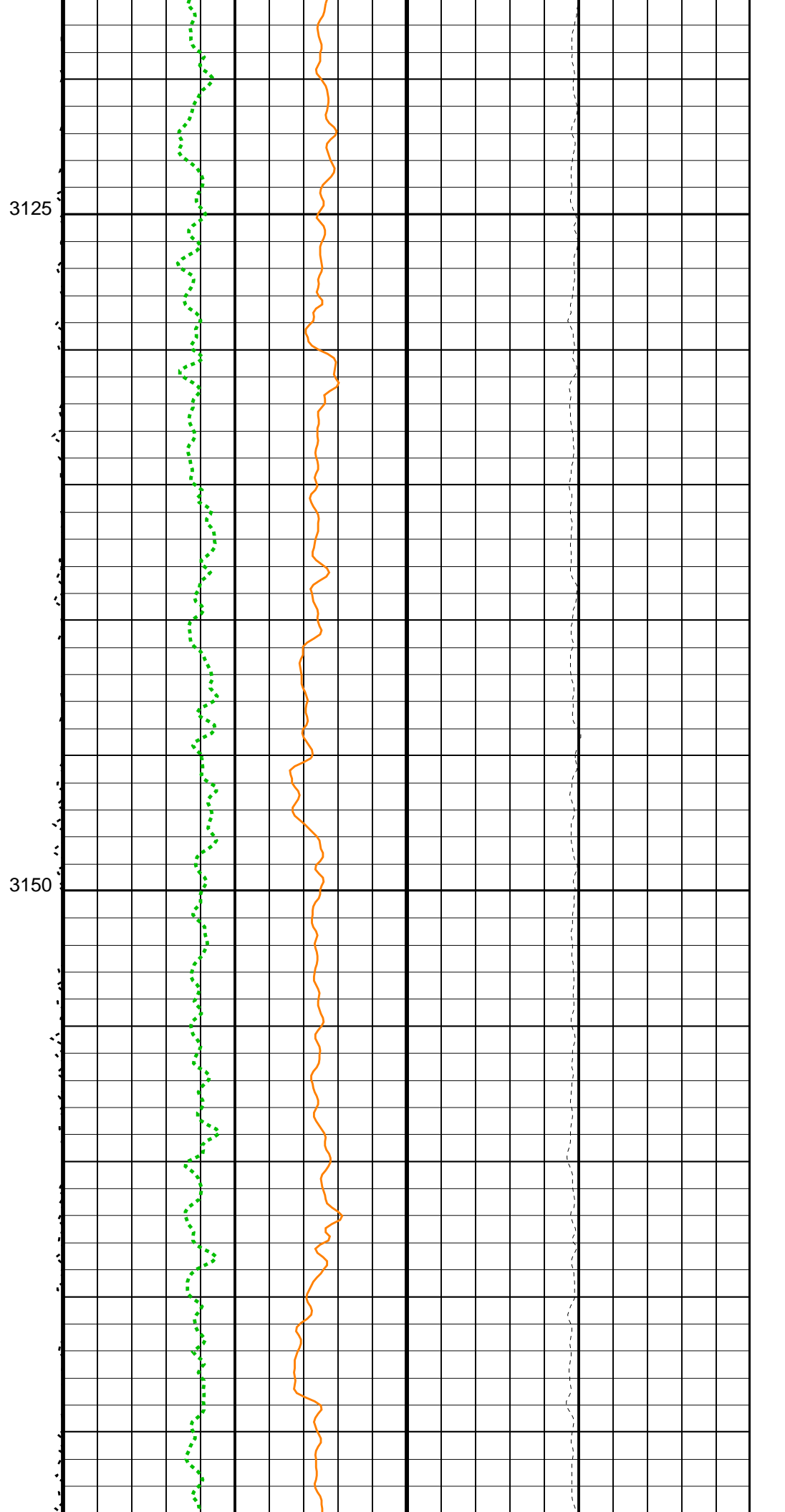
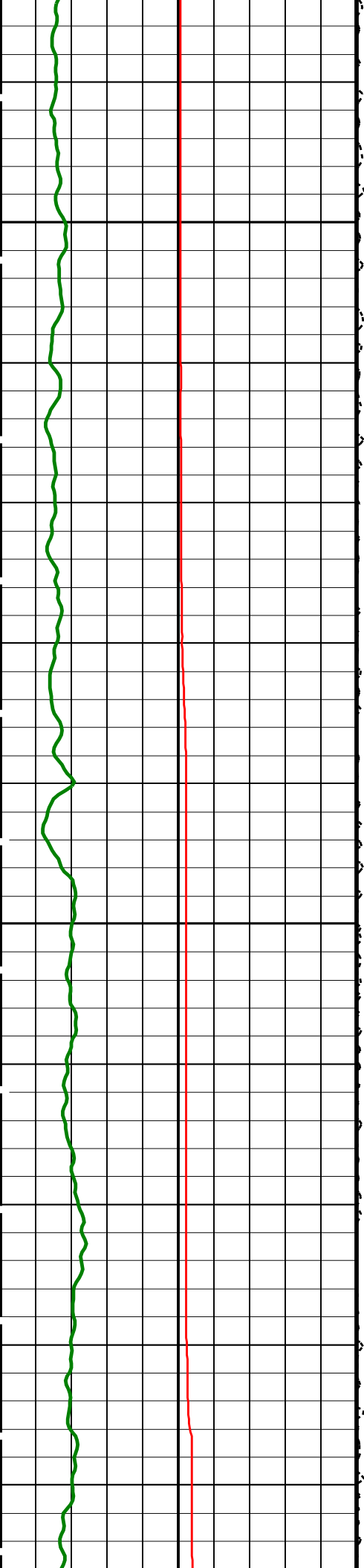
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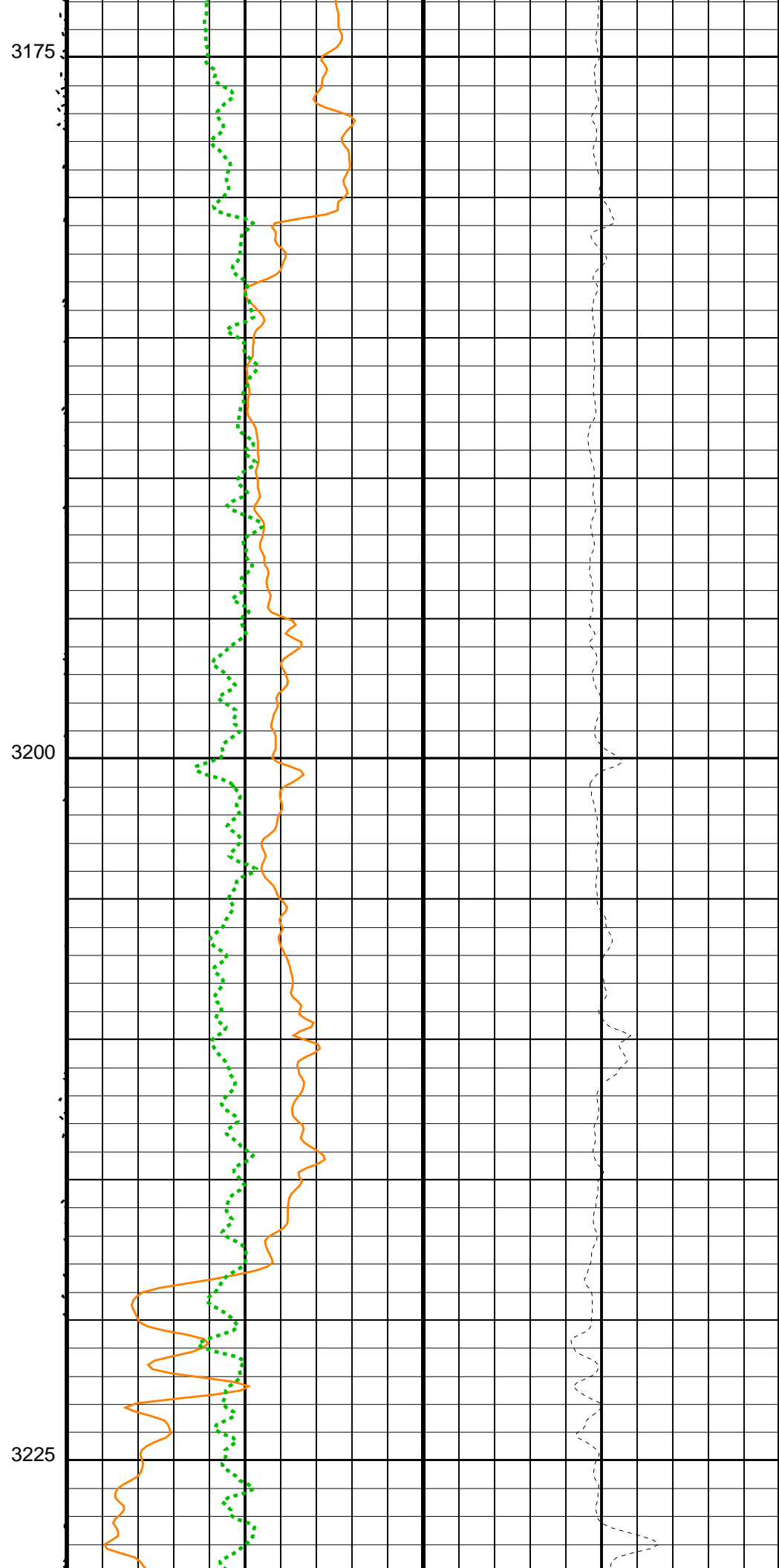
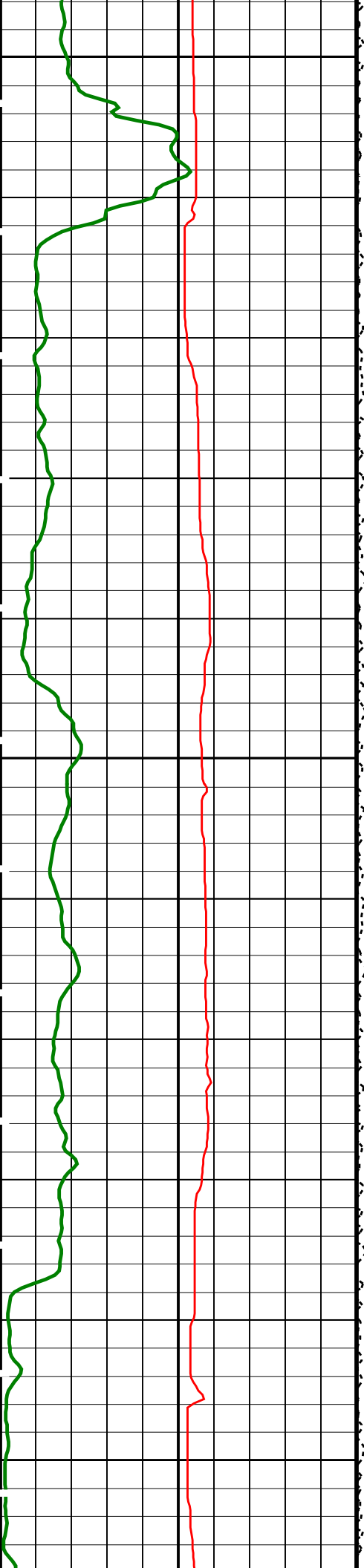
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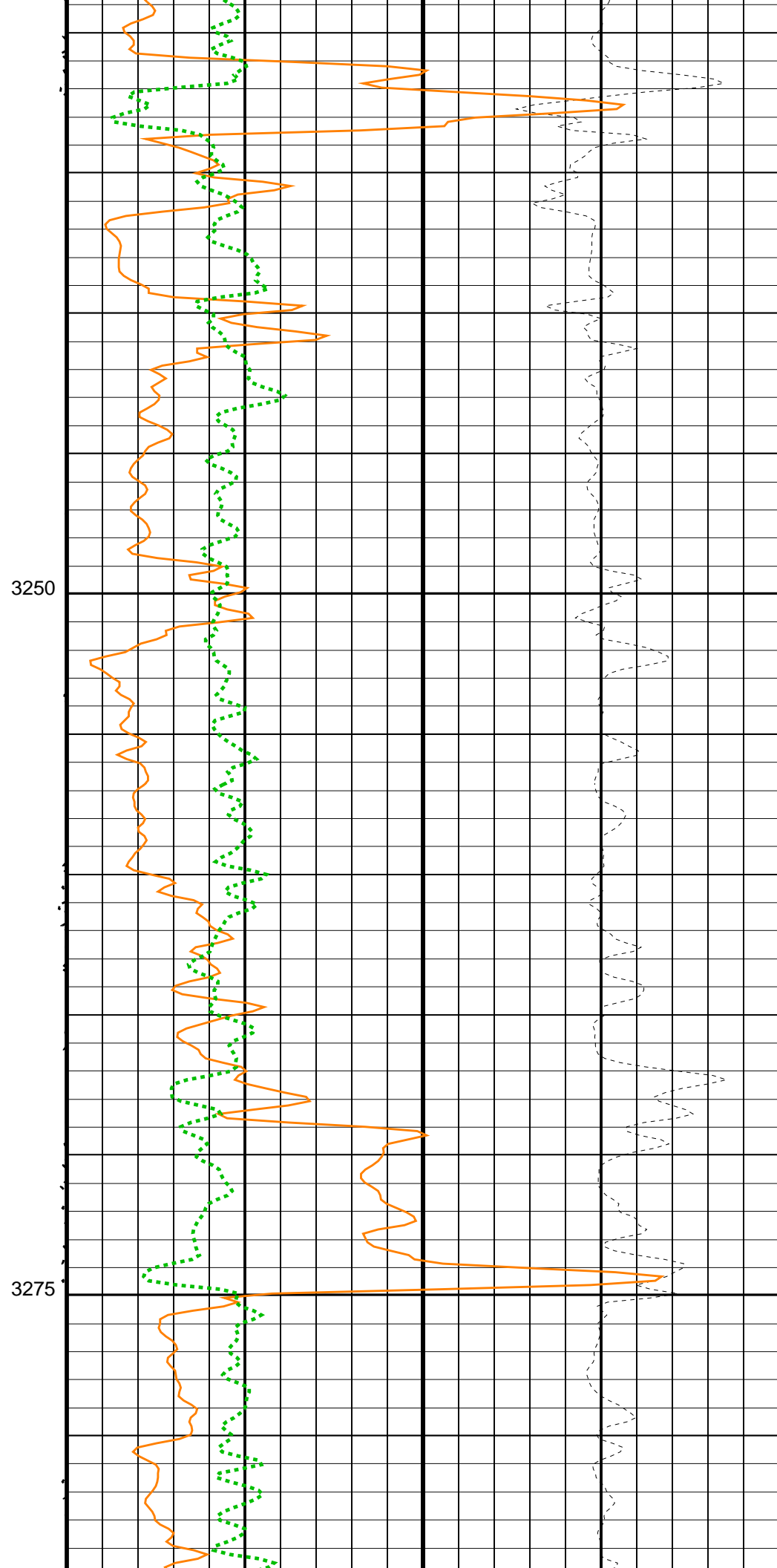
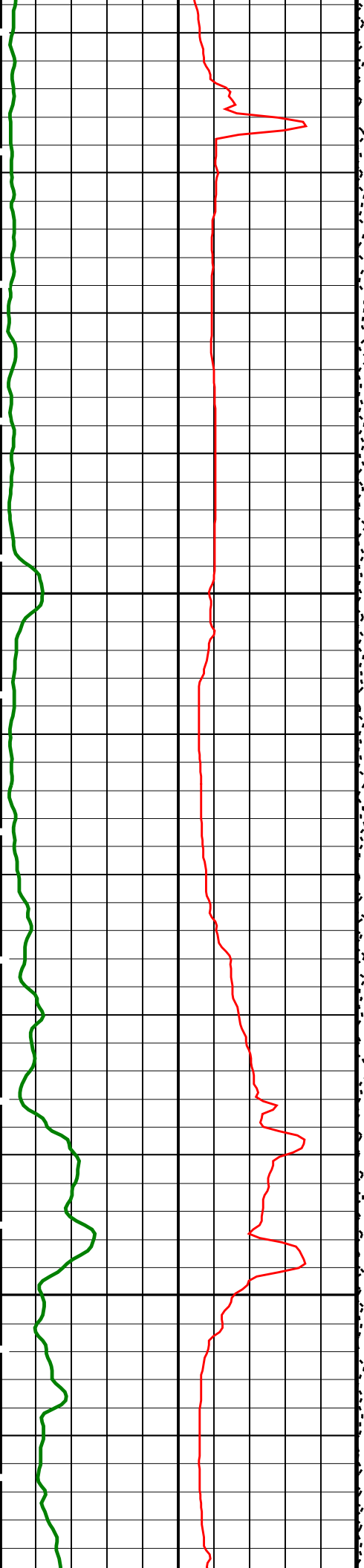


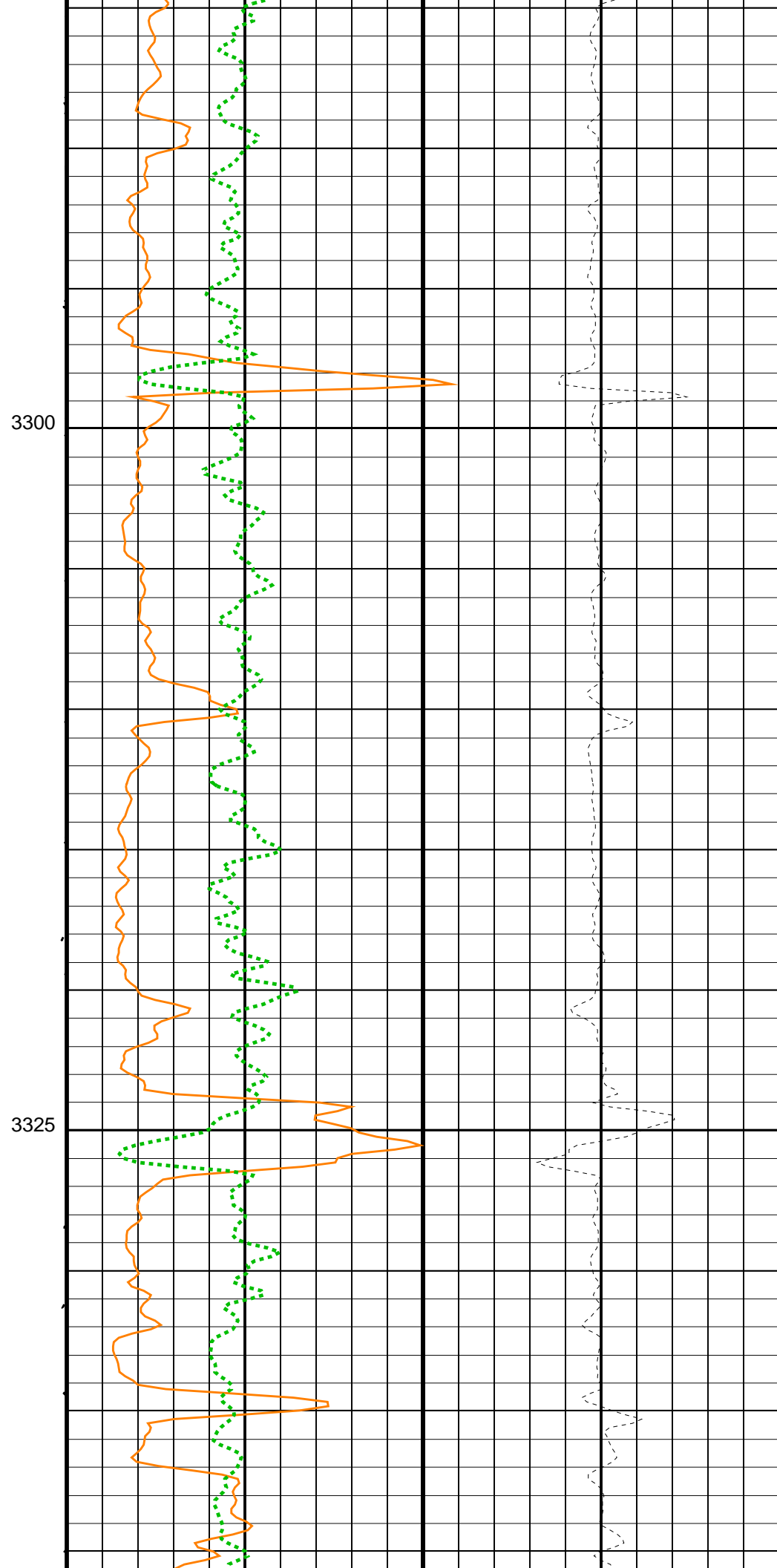
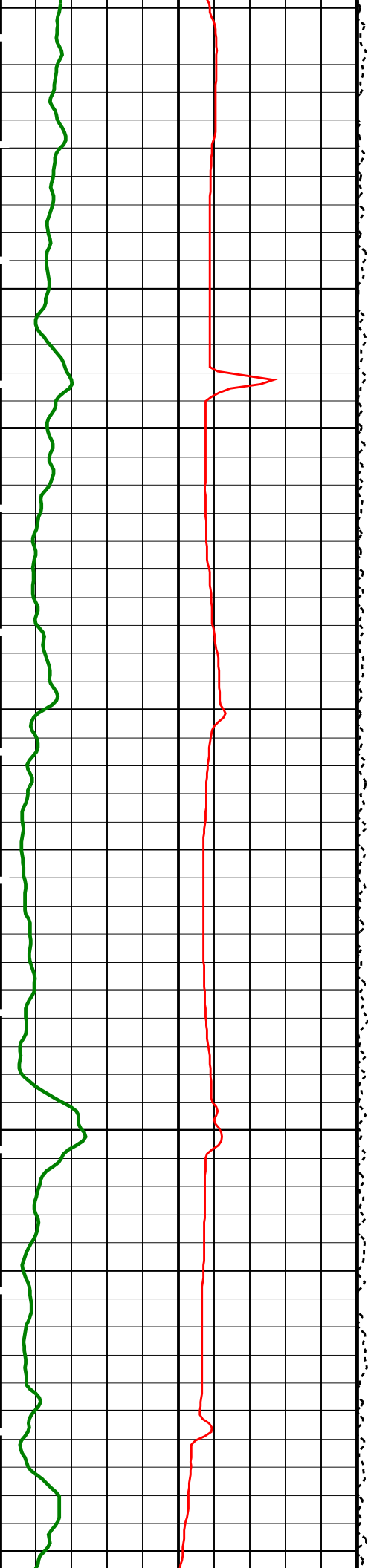


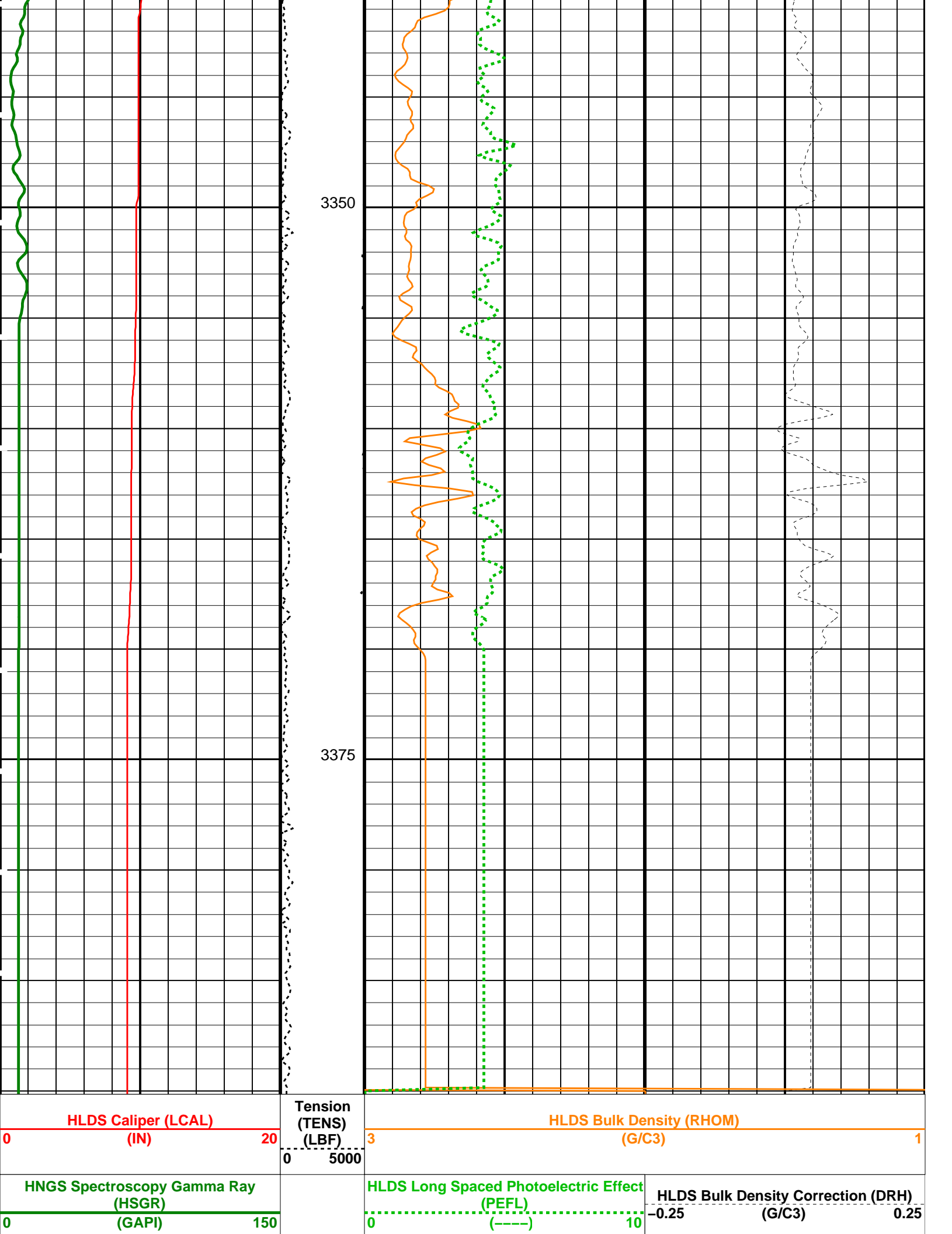












Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HLDS: Hostile Litho-Density Sonde			
DHC	Density Hole Correction	CALIPER	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1	G/C3
LATC	HLDS Activation Correction	ON	
MDEN	Matrix Density	2.6	G/C3
APS-C: Accelerator-Porosity Tool			
BHS	Borehole Status	OPEN	
DPPM	Density Porosity Processing Mode	HIRS	
GCSE	Generalized Caliper Selection	LCAL	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS Detector 1 Barite Constant	1	
BAR2	HNGS Detector 2 Barite Constant	1	
BHK	HNGS Borehole Potassium Correction Concentration	0	
BHS	Borehole Status	OPEN	
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00022055	
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	1.01278	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.997462	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
DPPM	Density Porosity Processing Mode	HIRS	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DFD	Drilling Fluid Density	1.02	G/C3
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 09-Aug-2023 17:38

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	MSS_LDEO_HRLA_LDL_021LUP	FN:23	PRODUCER	09-Aug-2023 13:49	3390.1 M	2210.1 M
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Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:31	PRODUCER	09-Aug-2023 17:38
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:32	PRODUCER	09-Aug-2023 17:38

Input DLIS Files

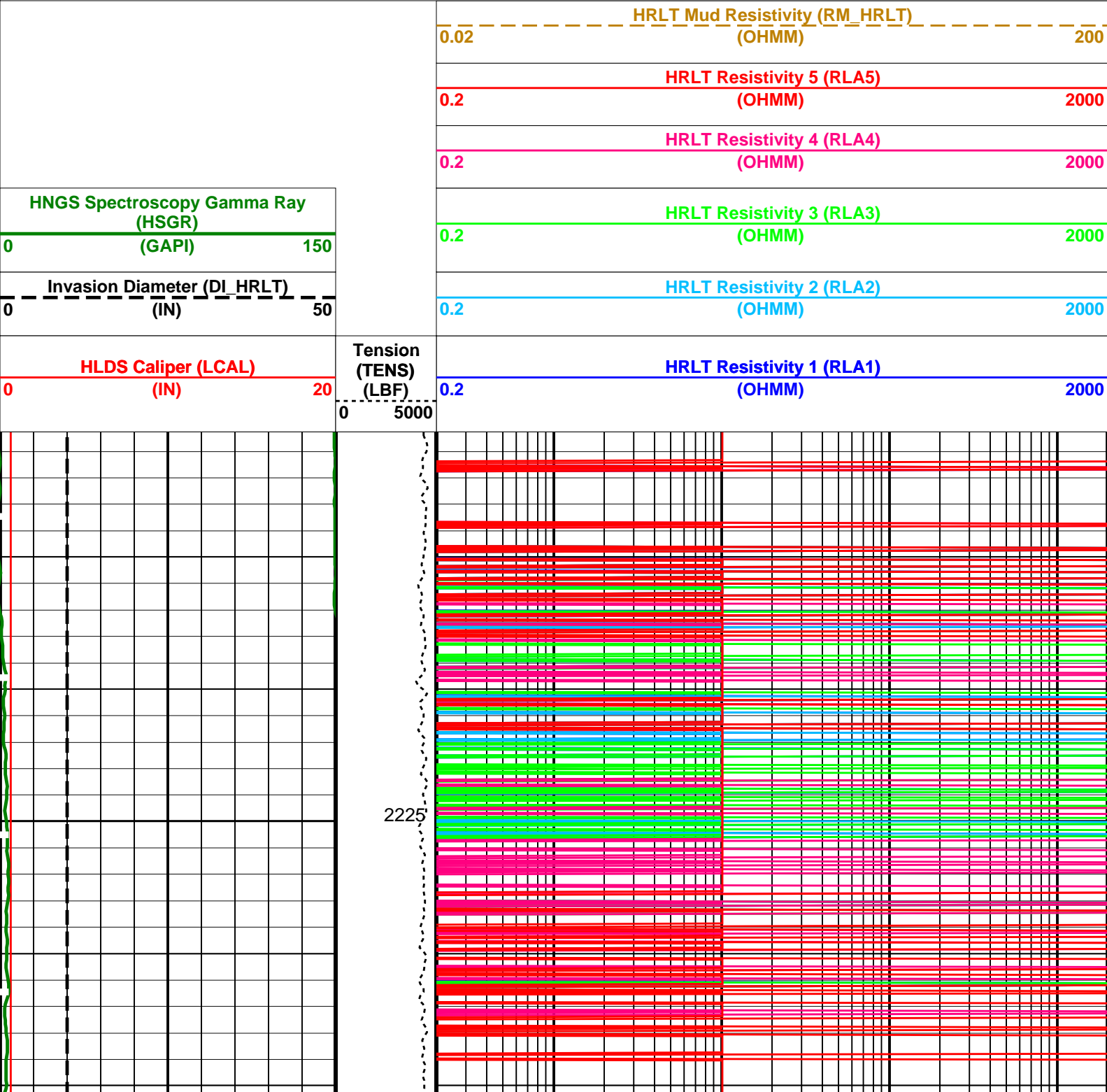
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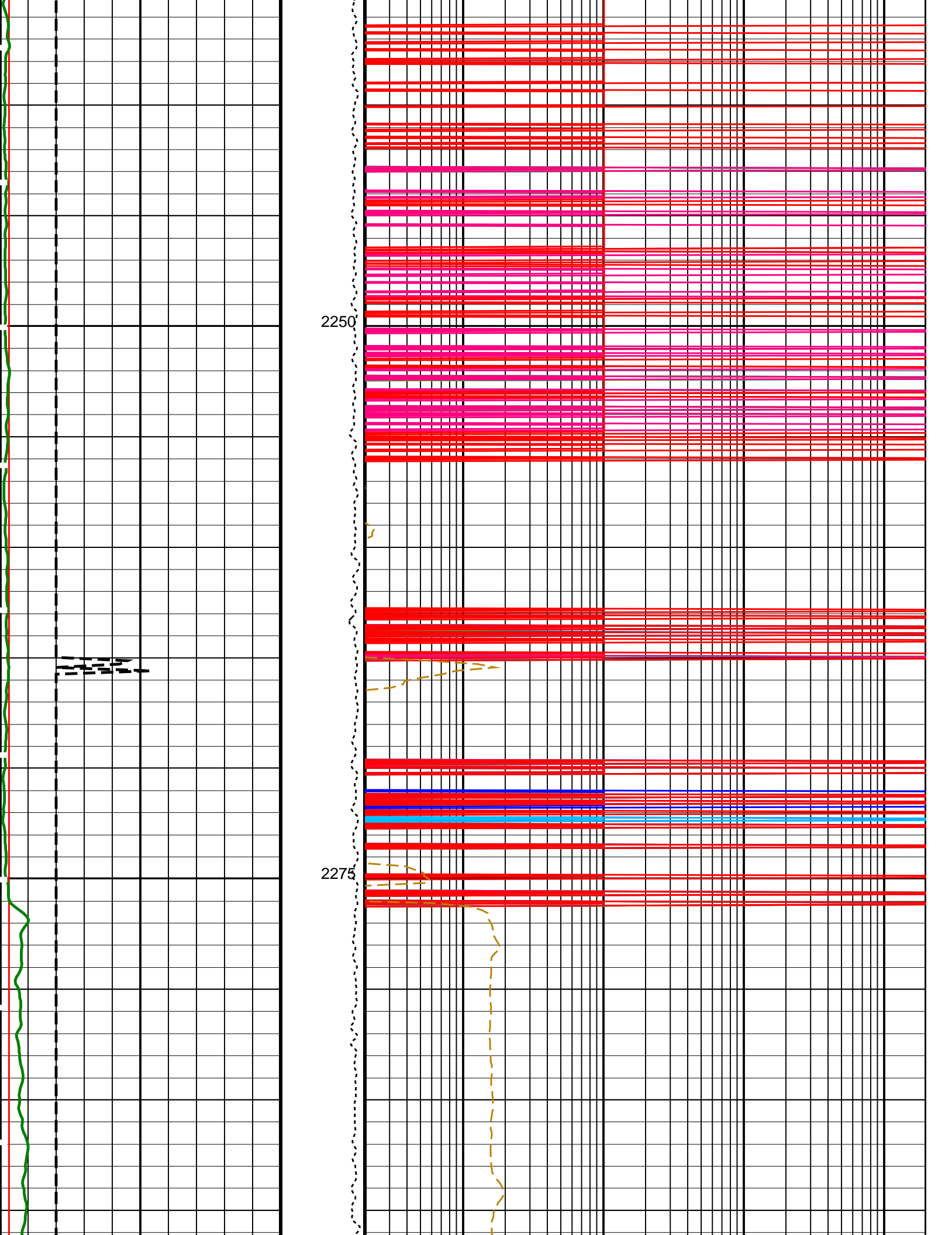
OP System Version: 19C0-187

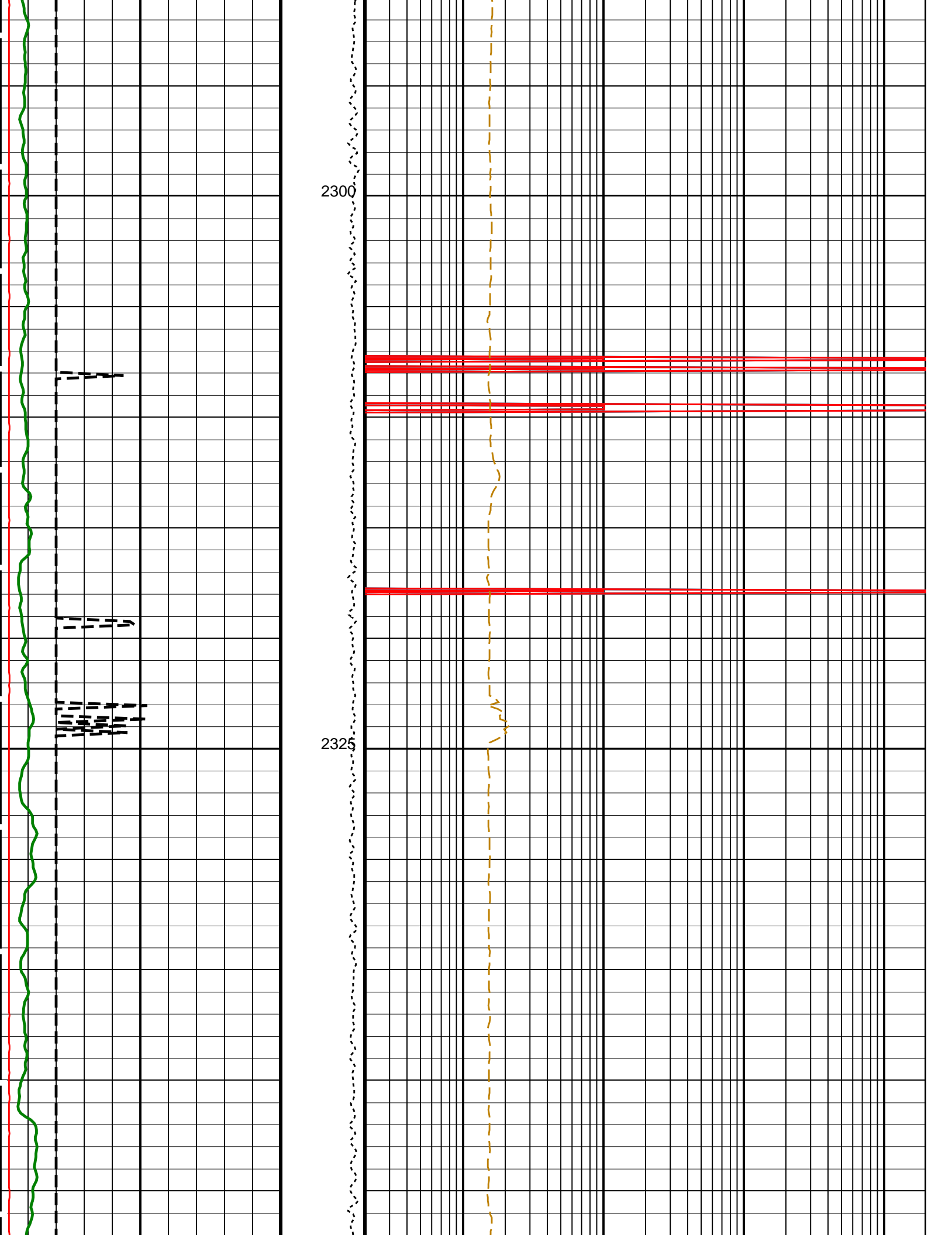
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
APS-C	19C0-187	HNGC-B	19C0-187
HNGS-BA	19C0-187	EDTC-B	19C0-187

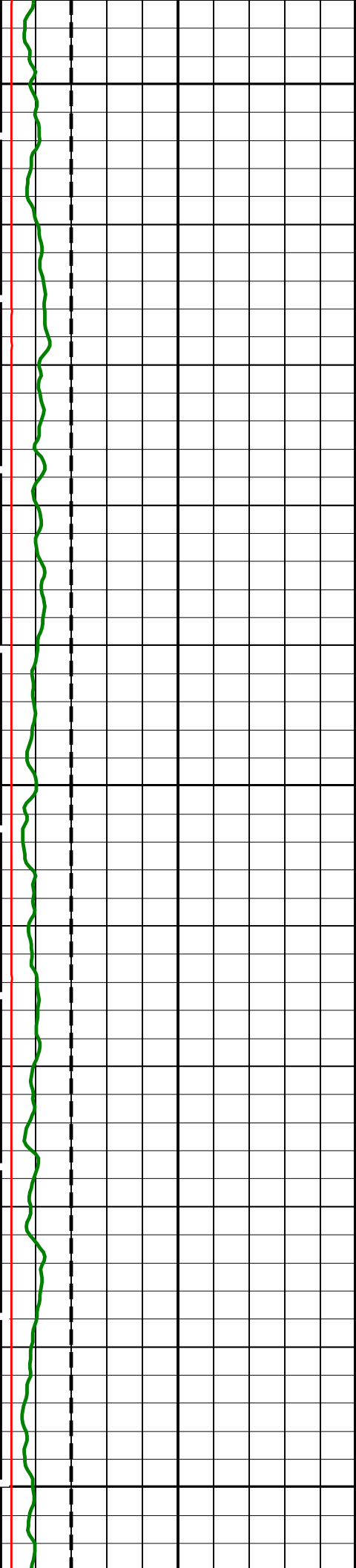
PIP SUMMARY

 Time Mark Every 60 S





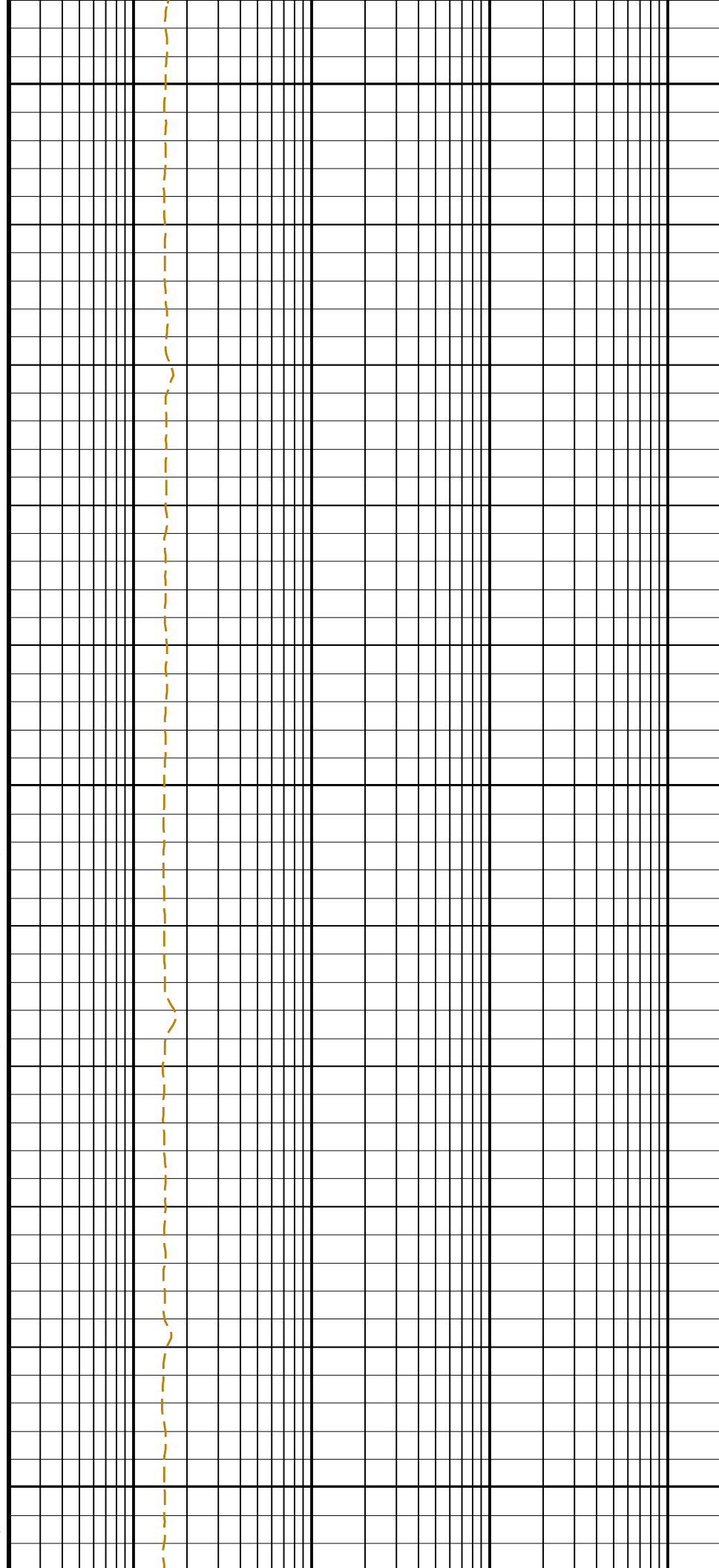


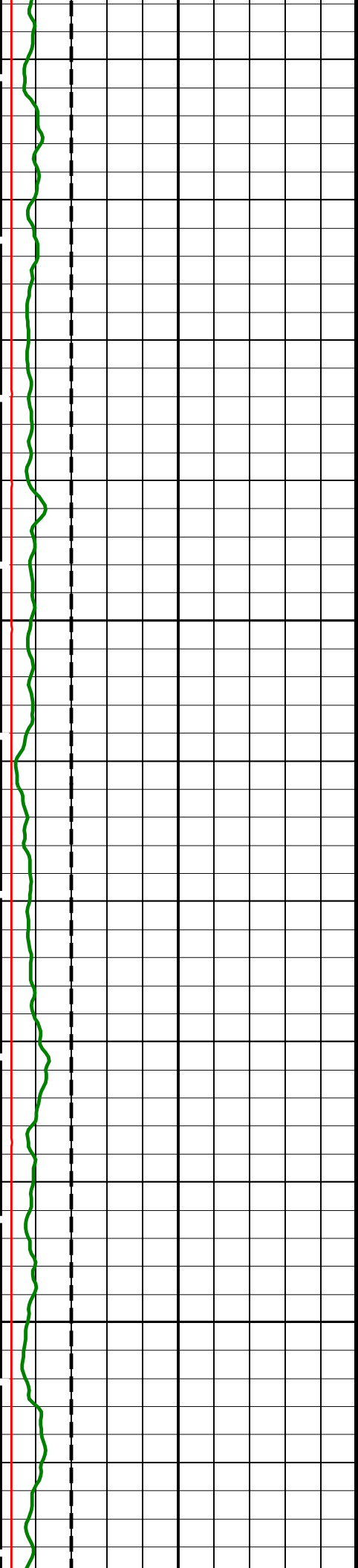


2350

2375

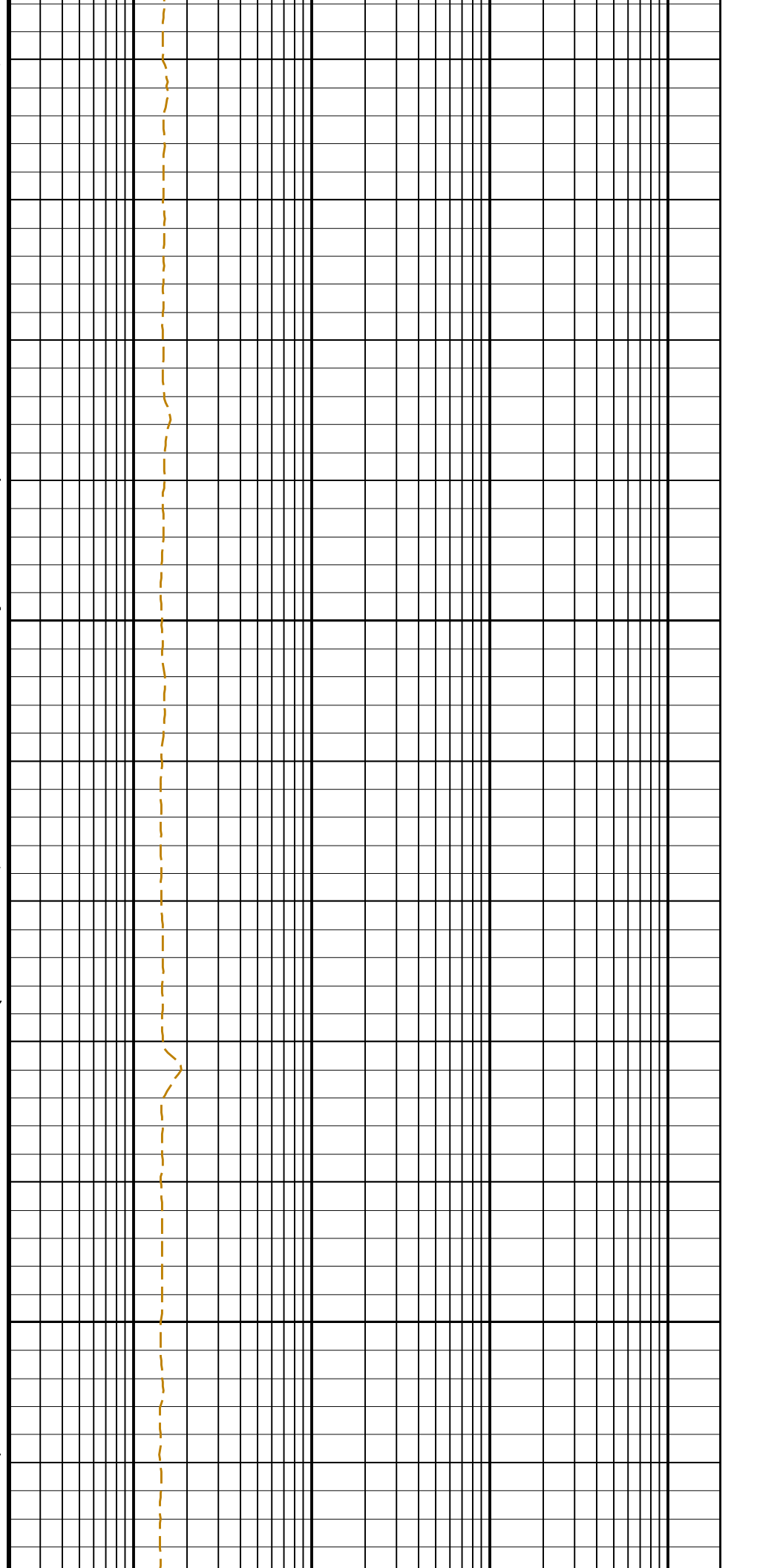
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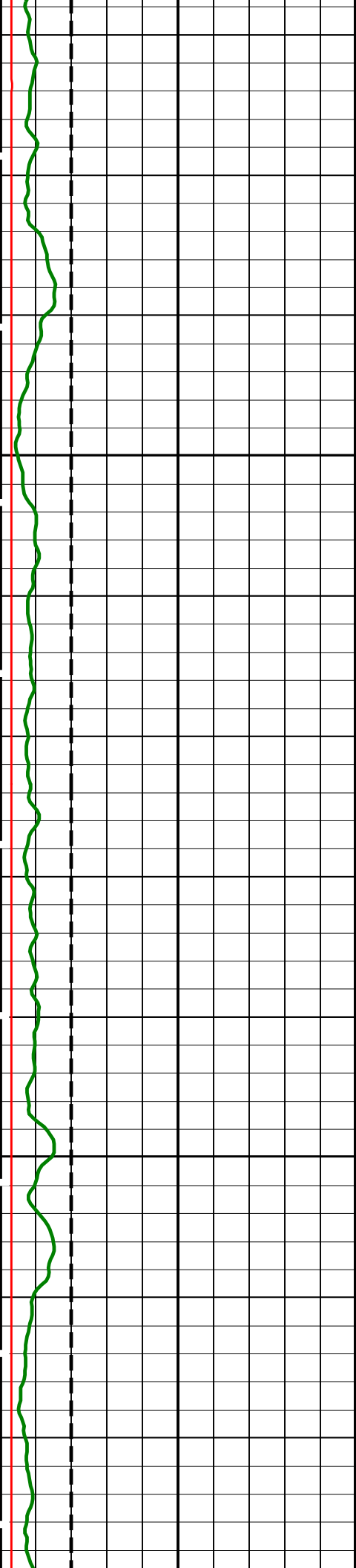




2425

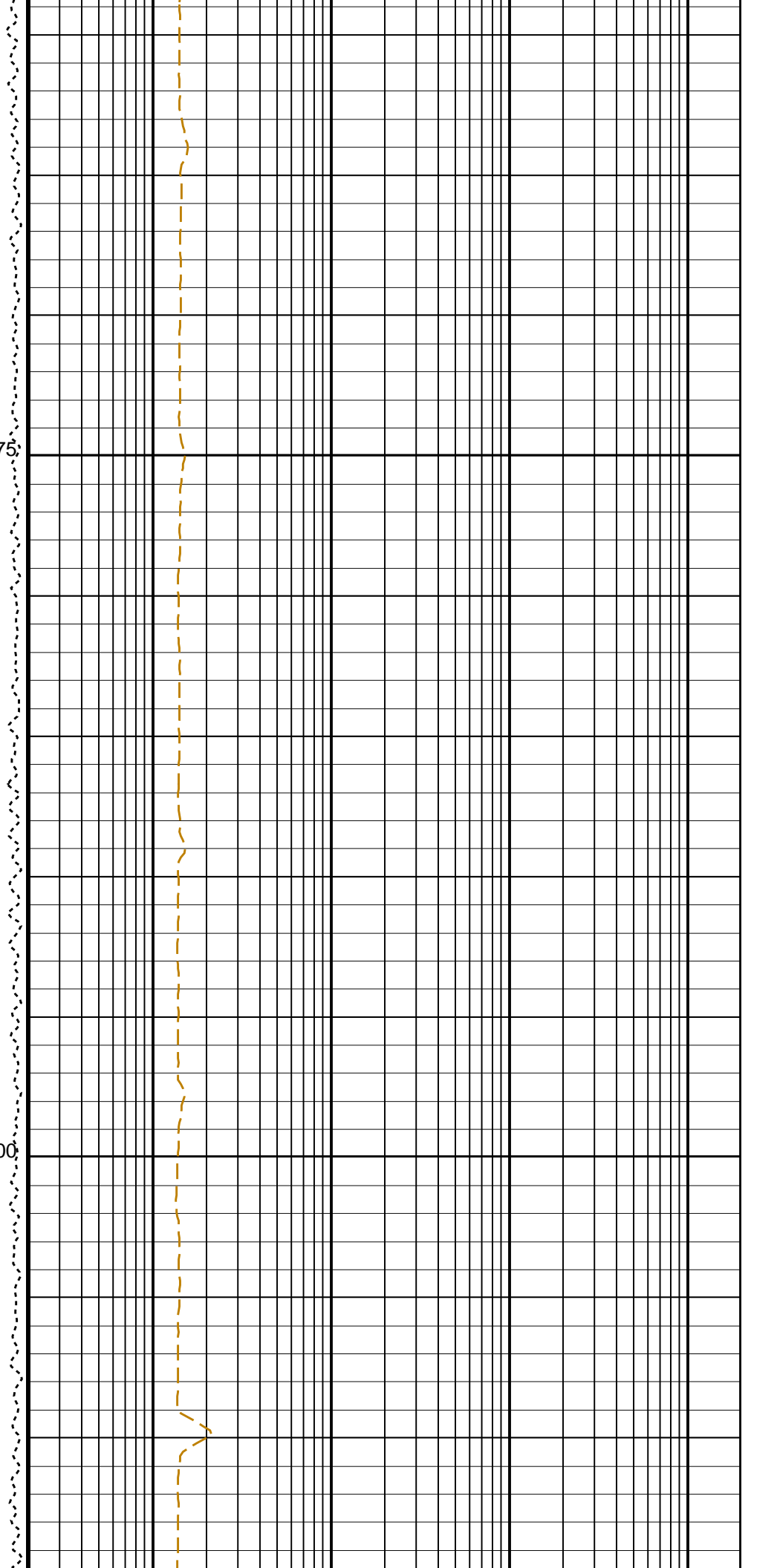
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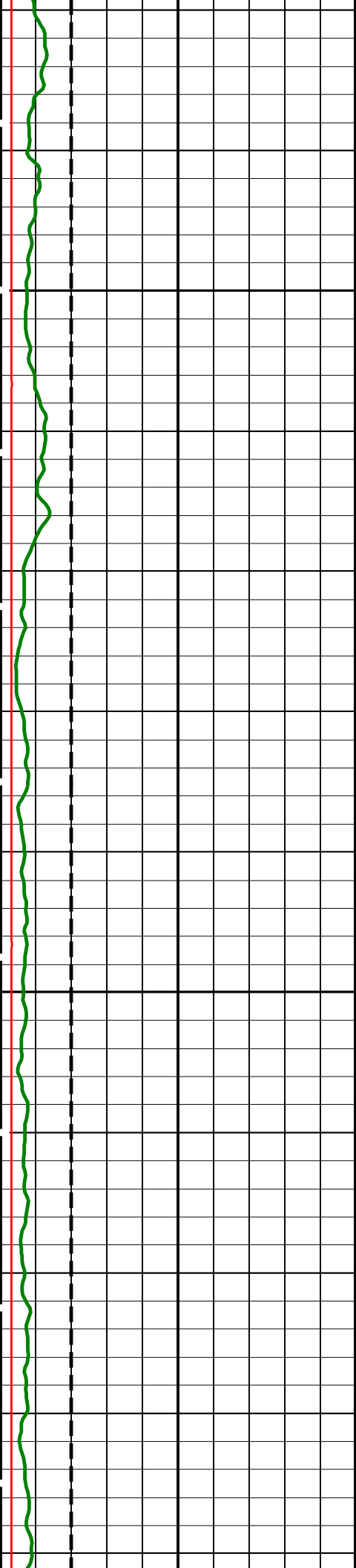




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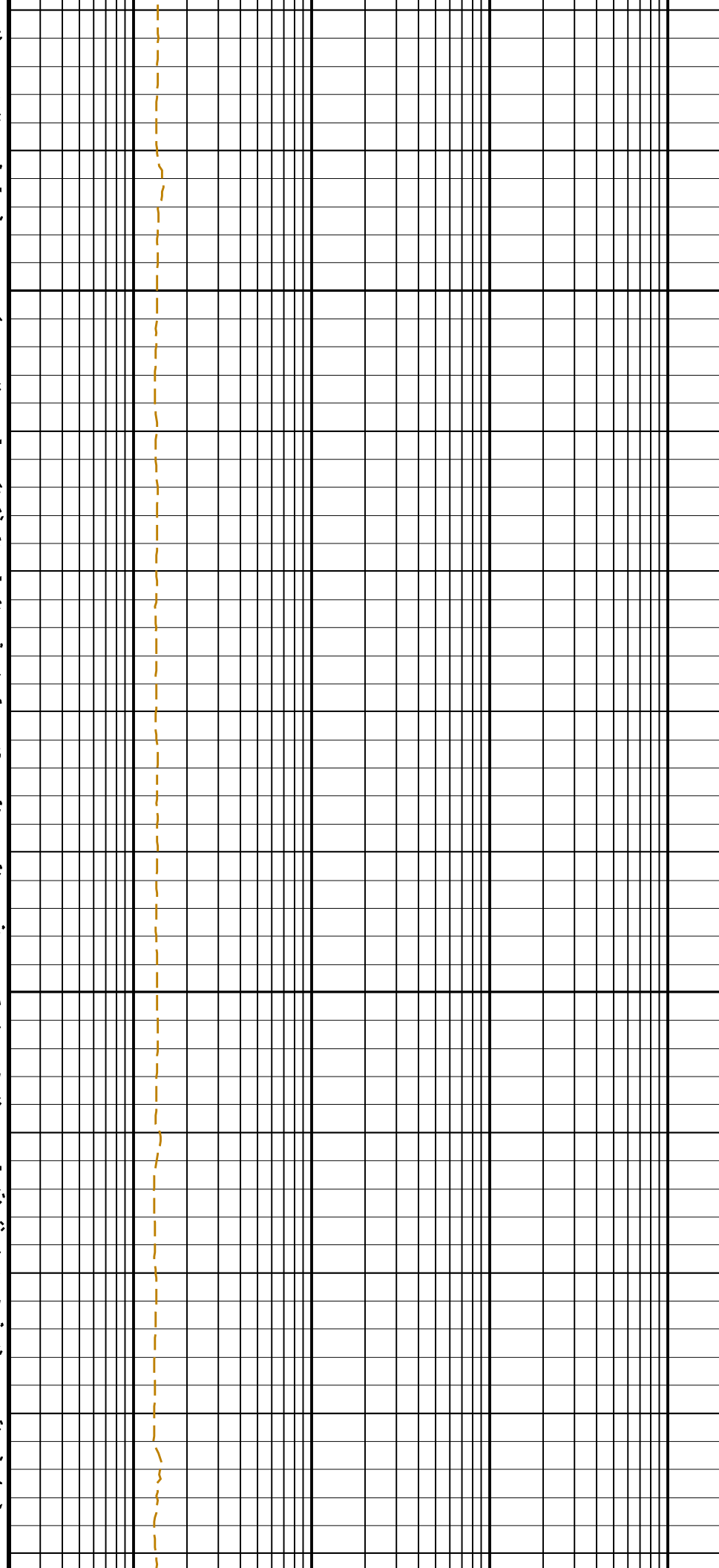
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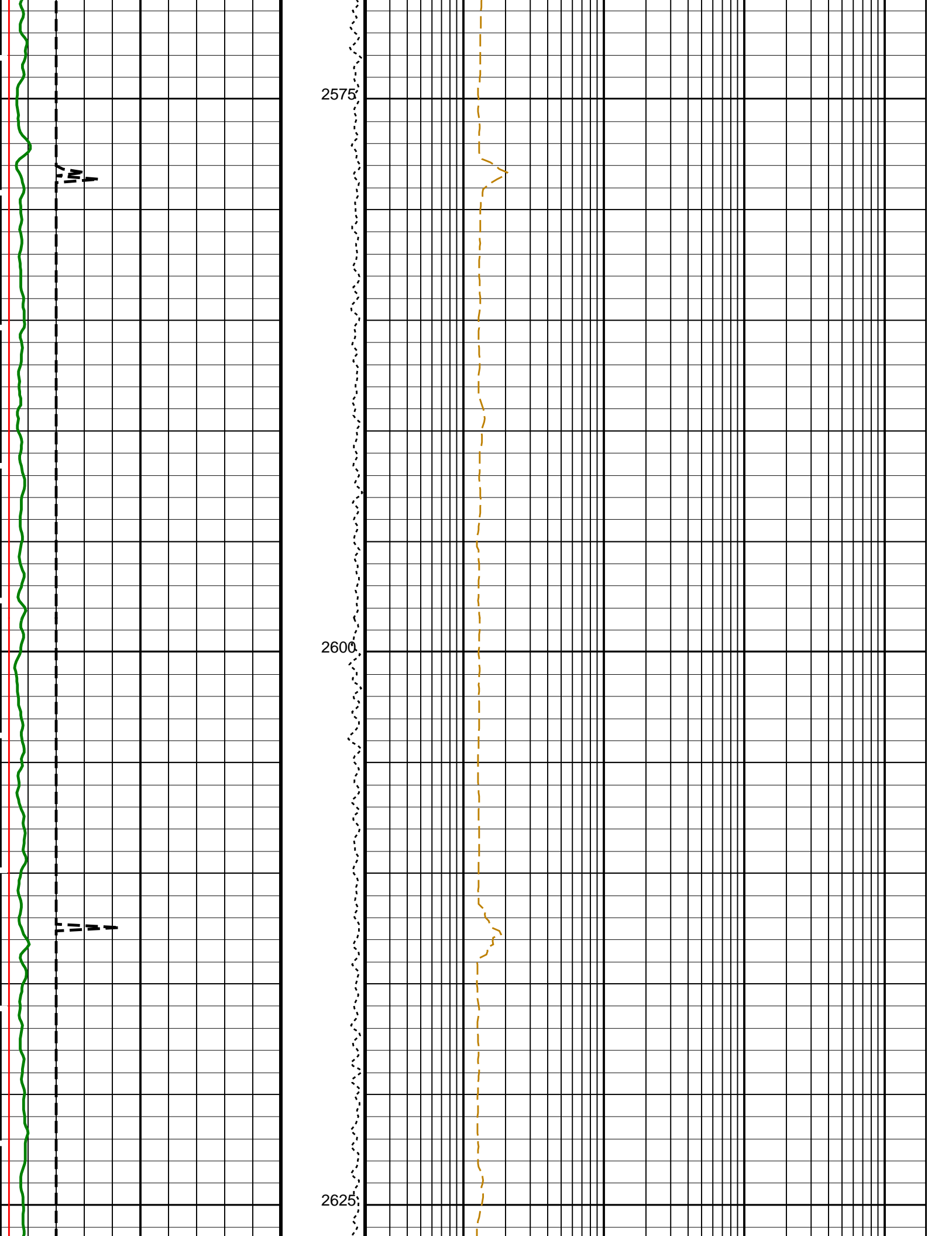


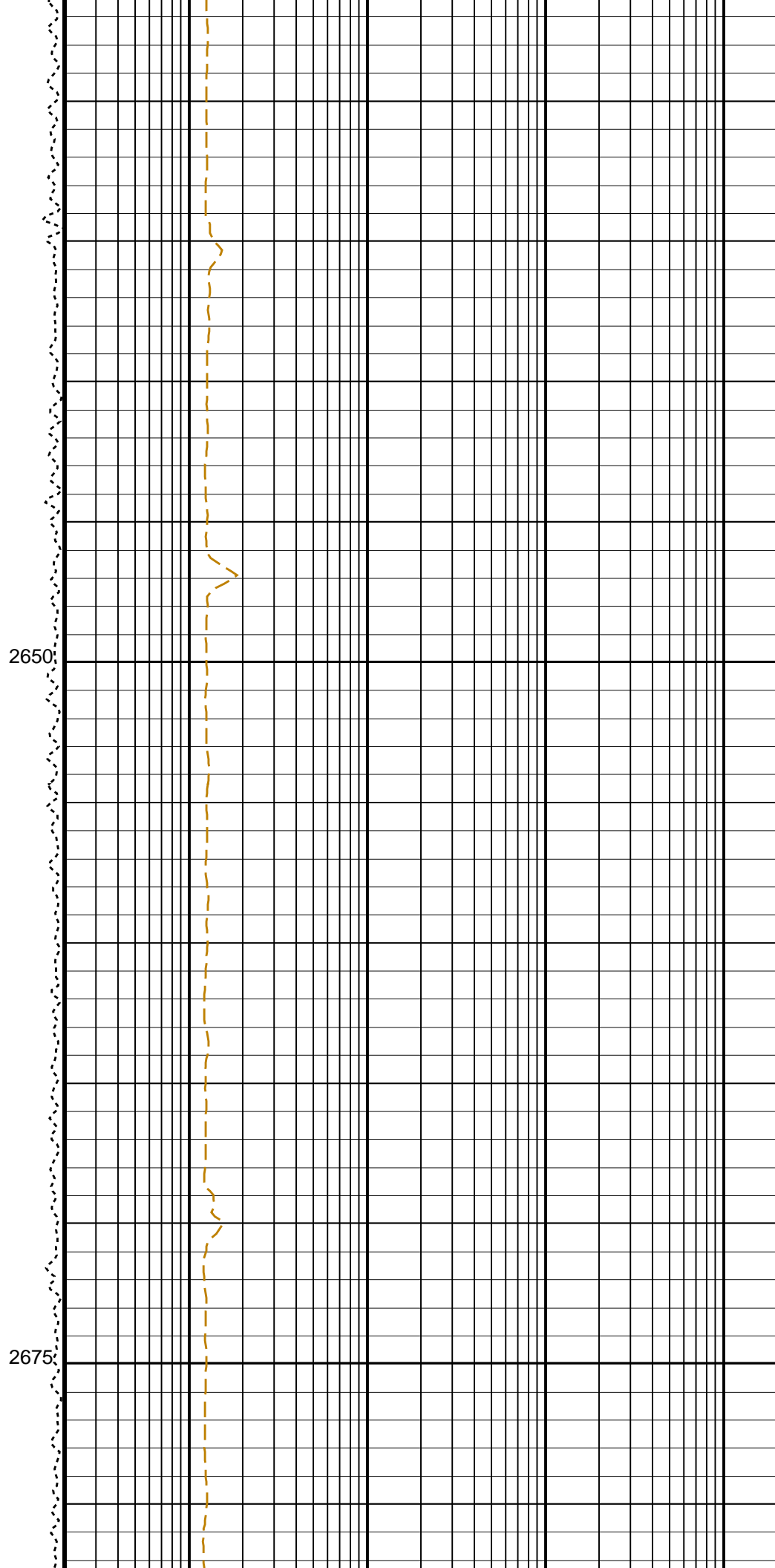
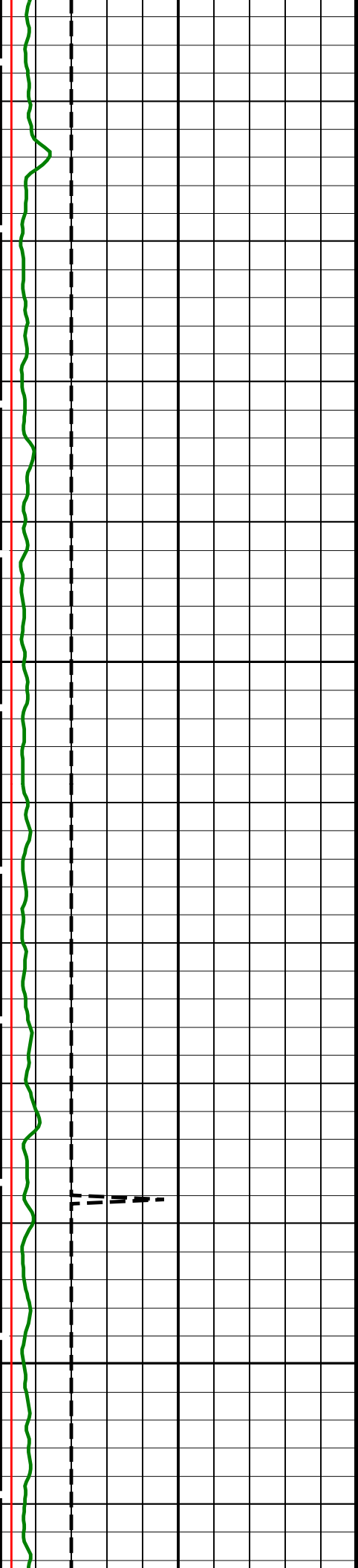


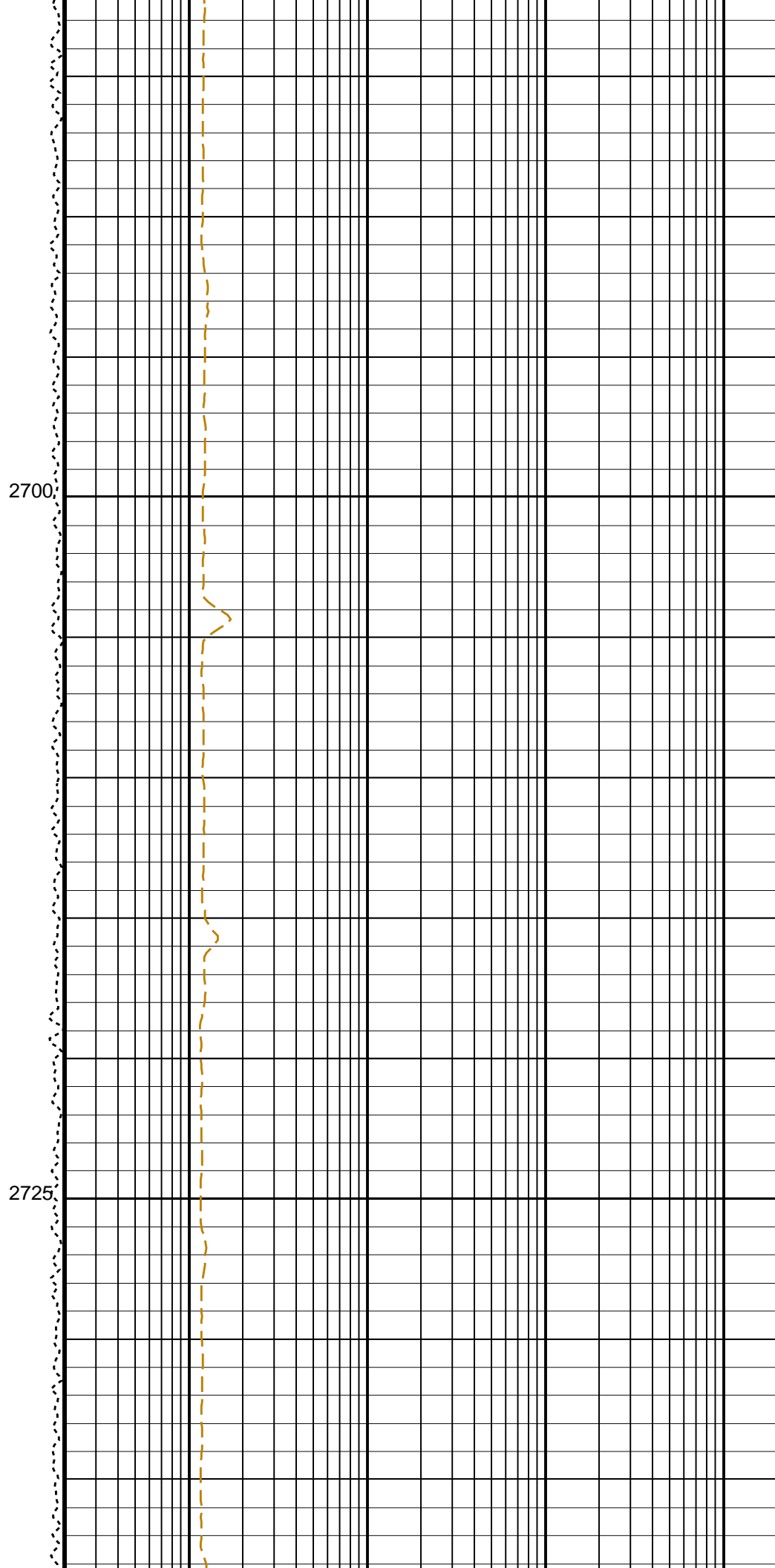
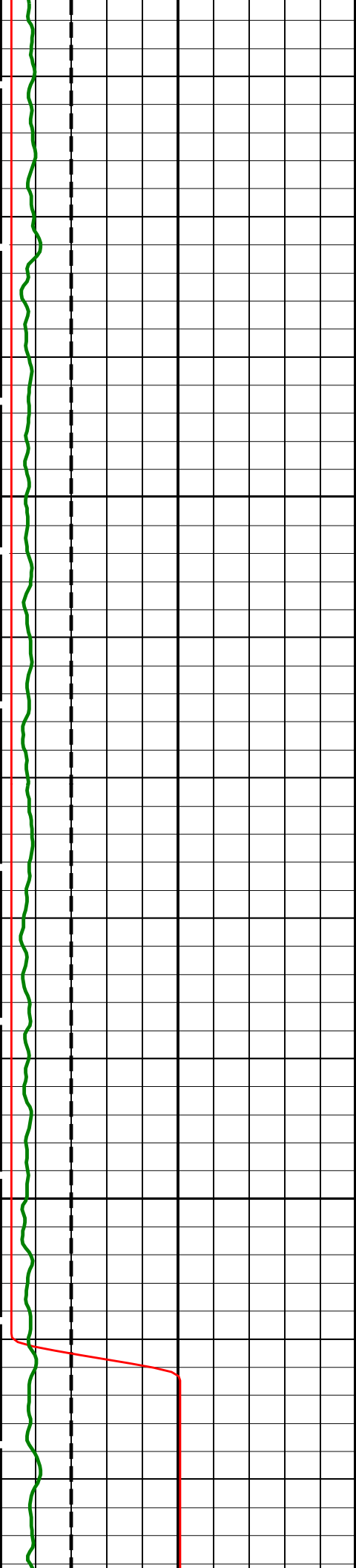
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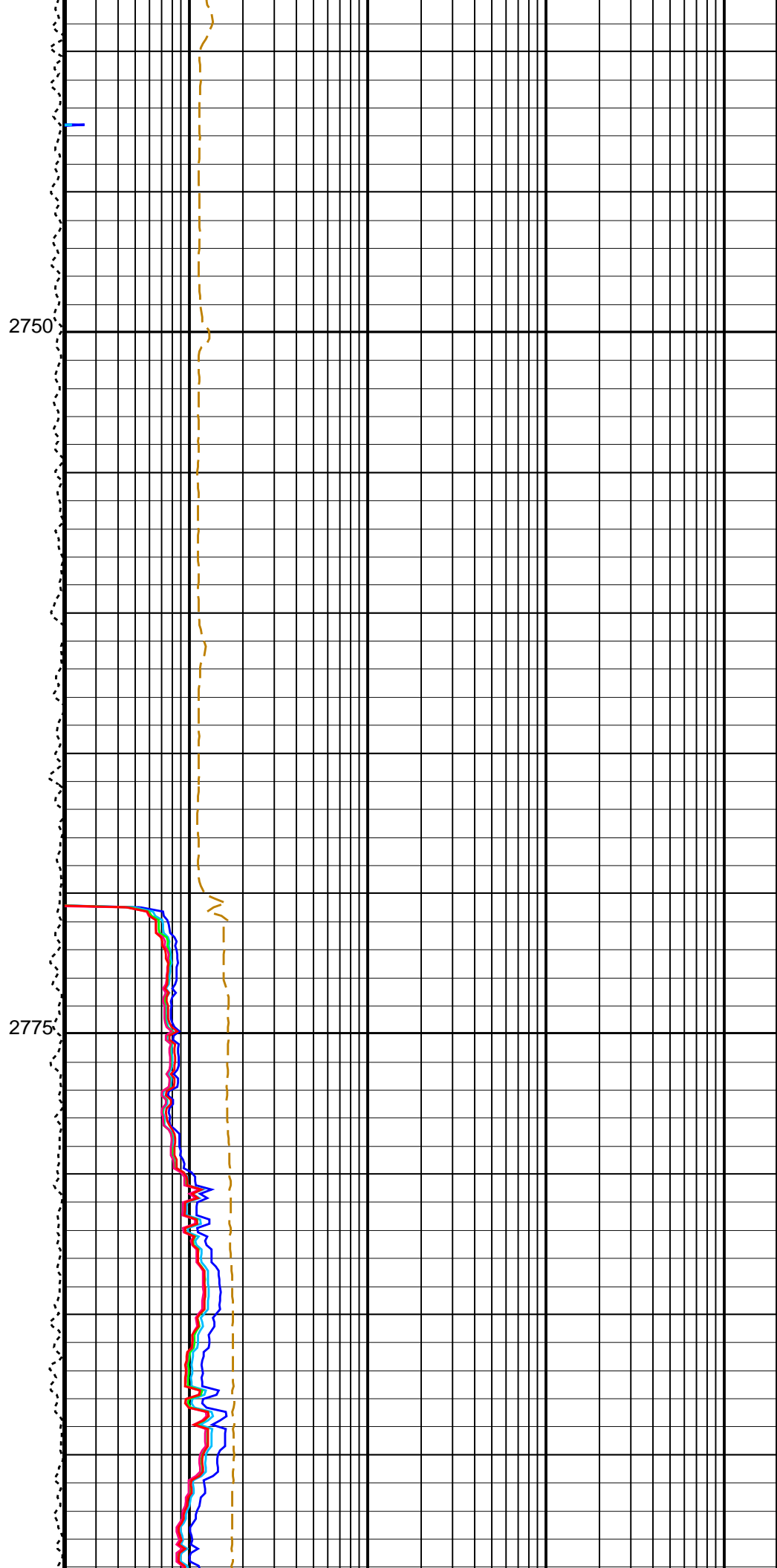
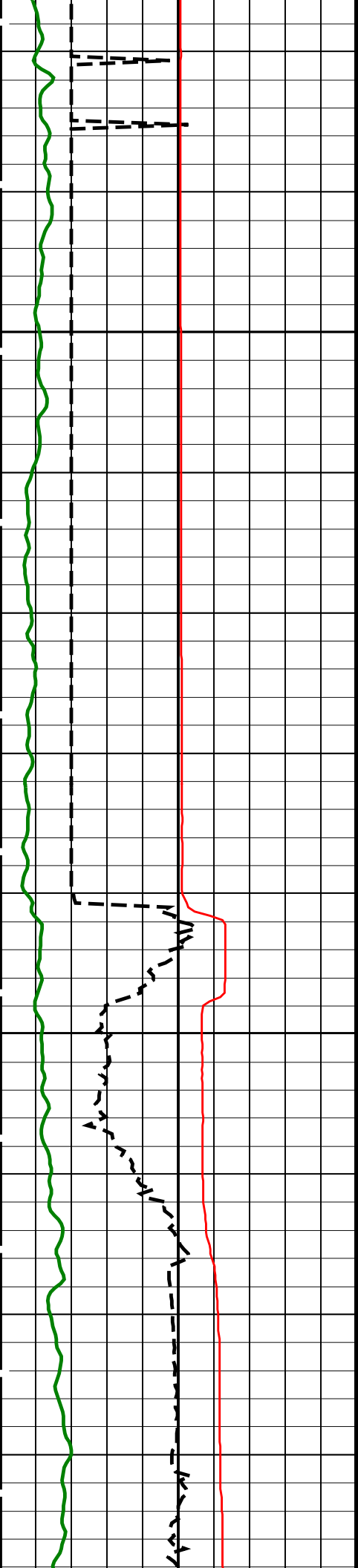
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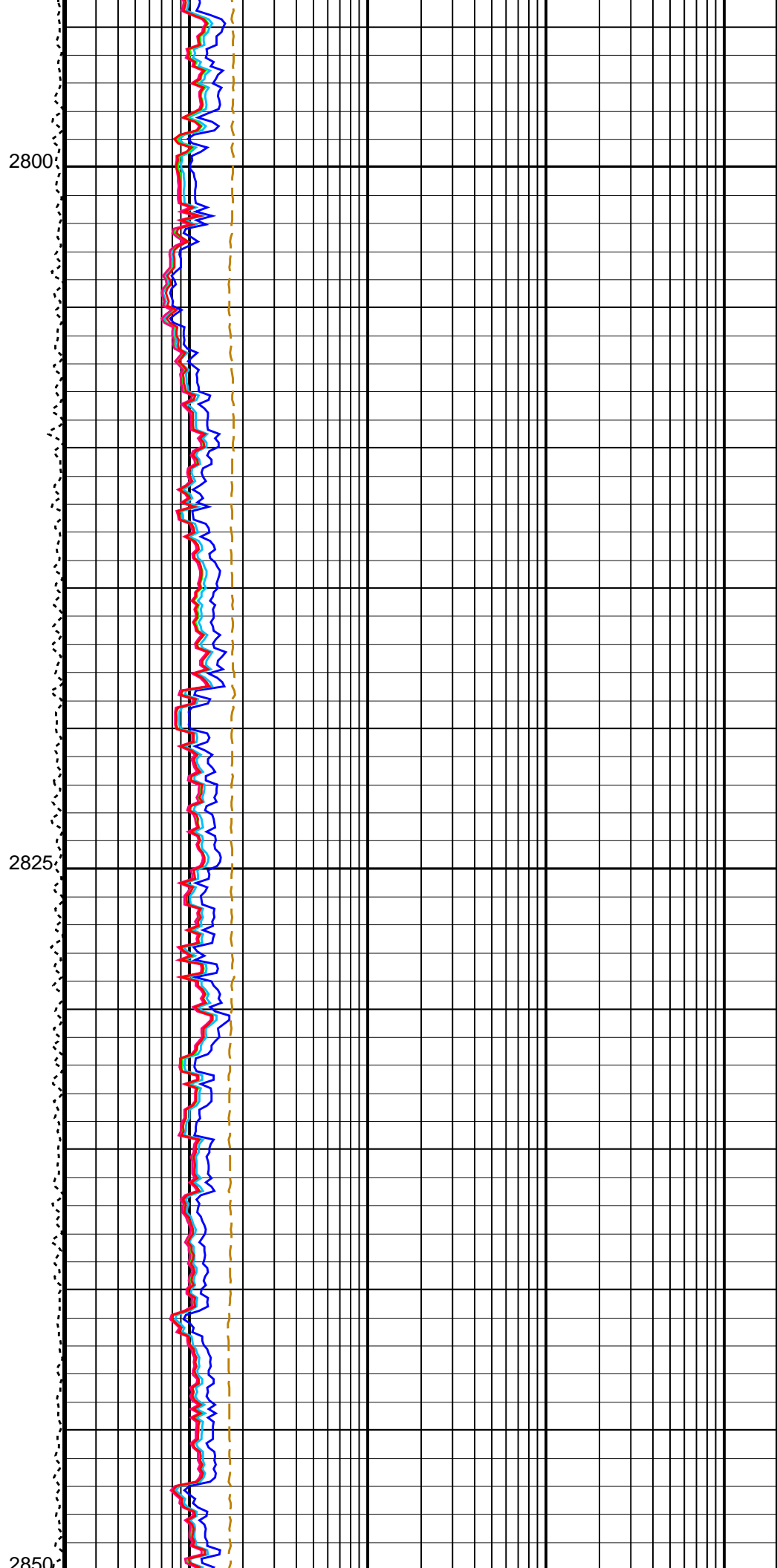
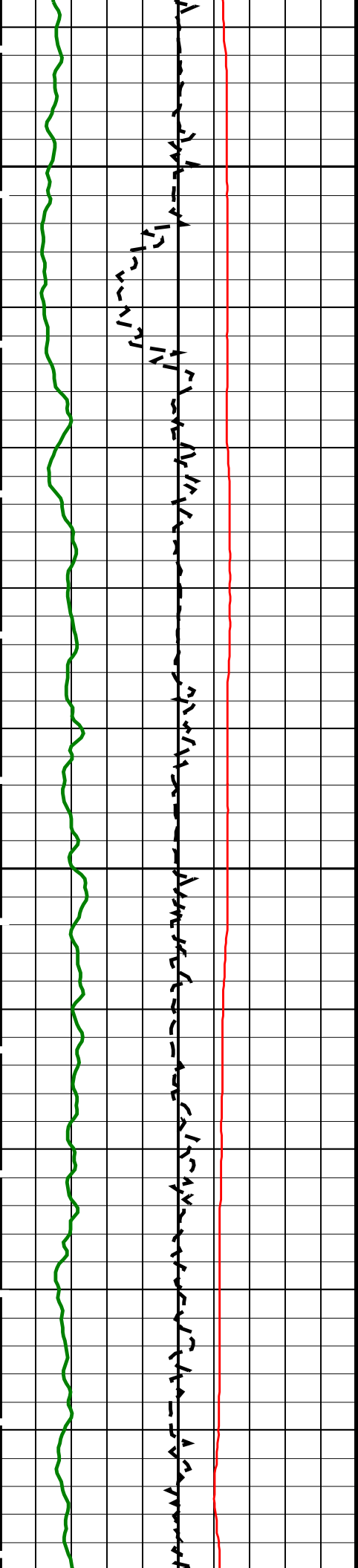


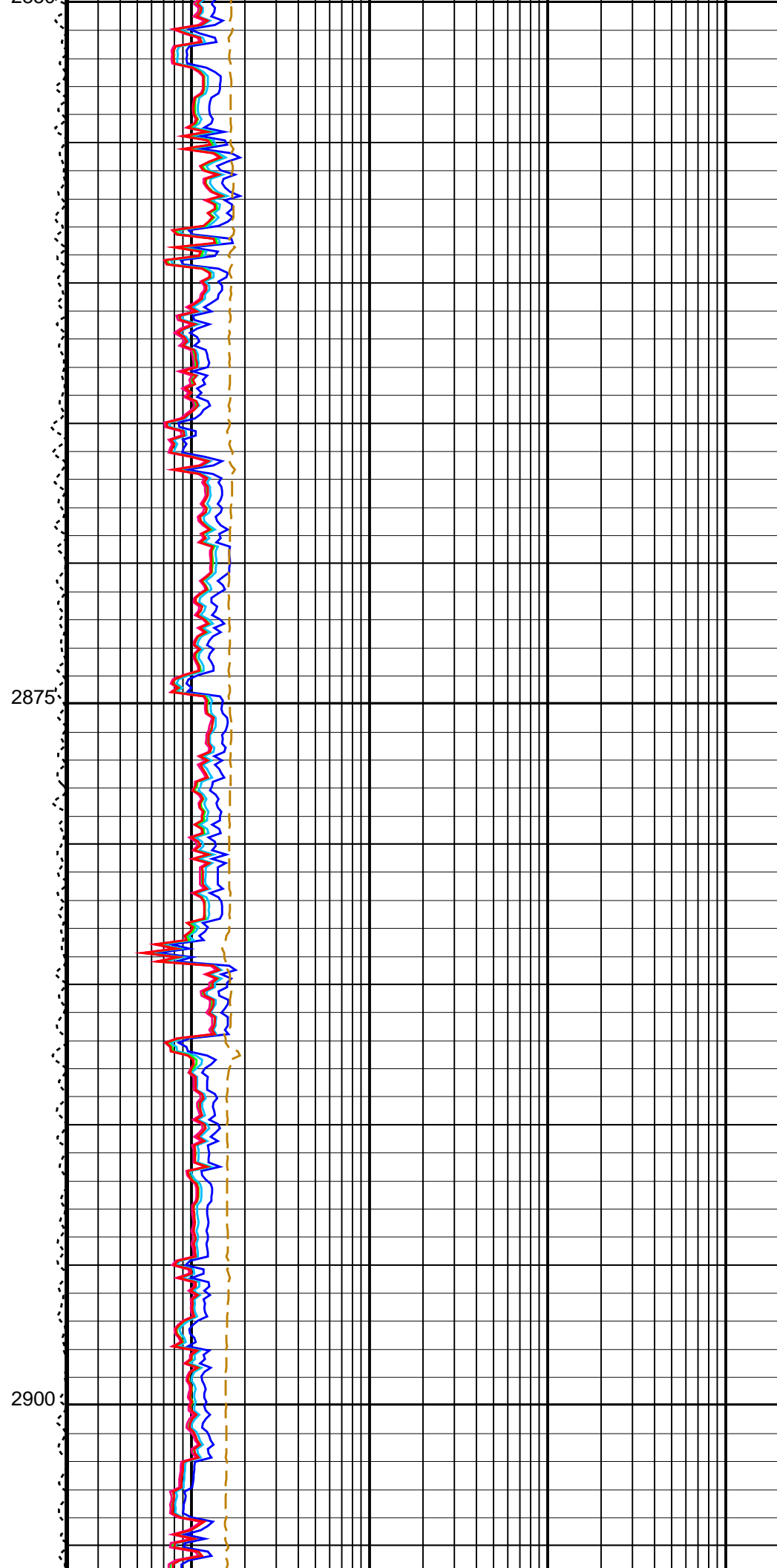
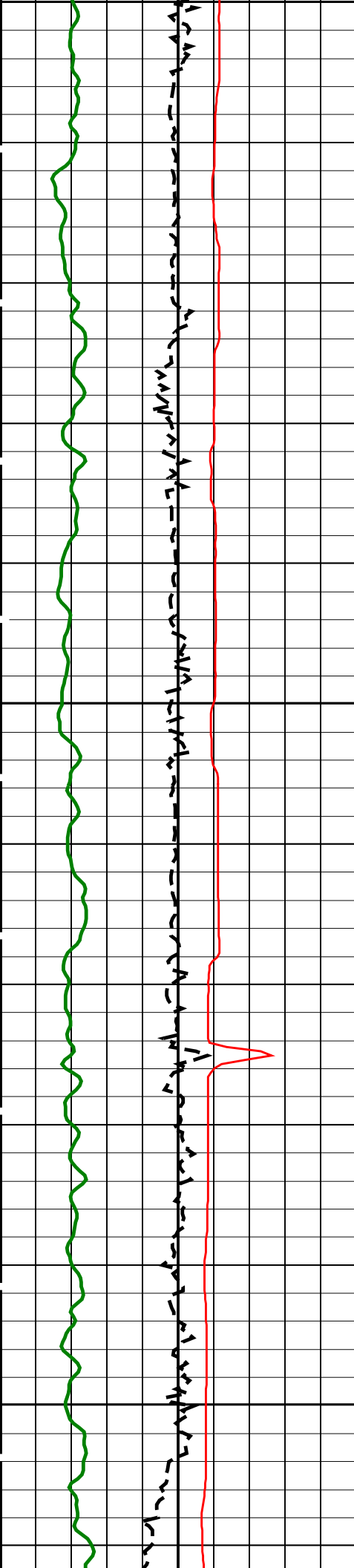


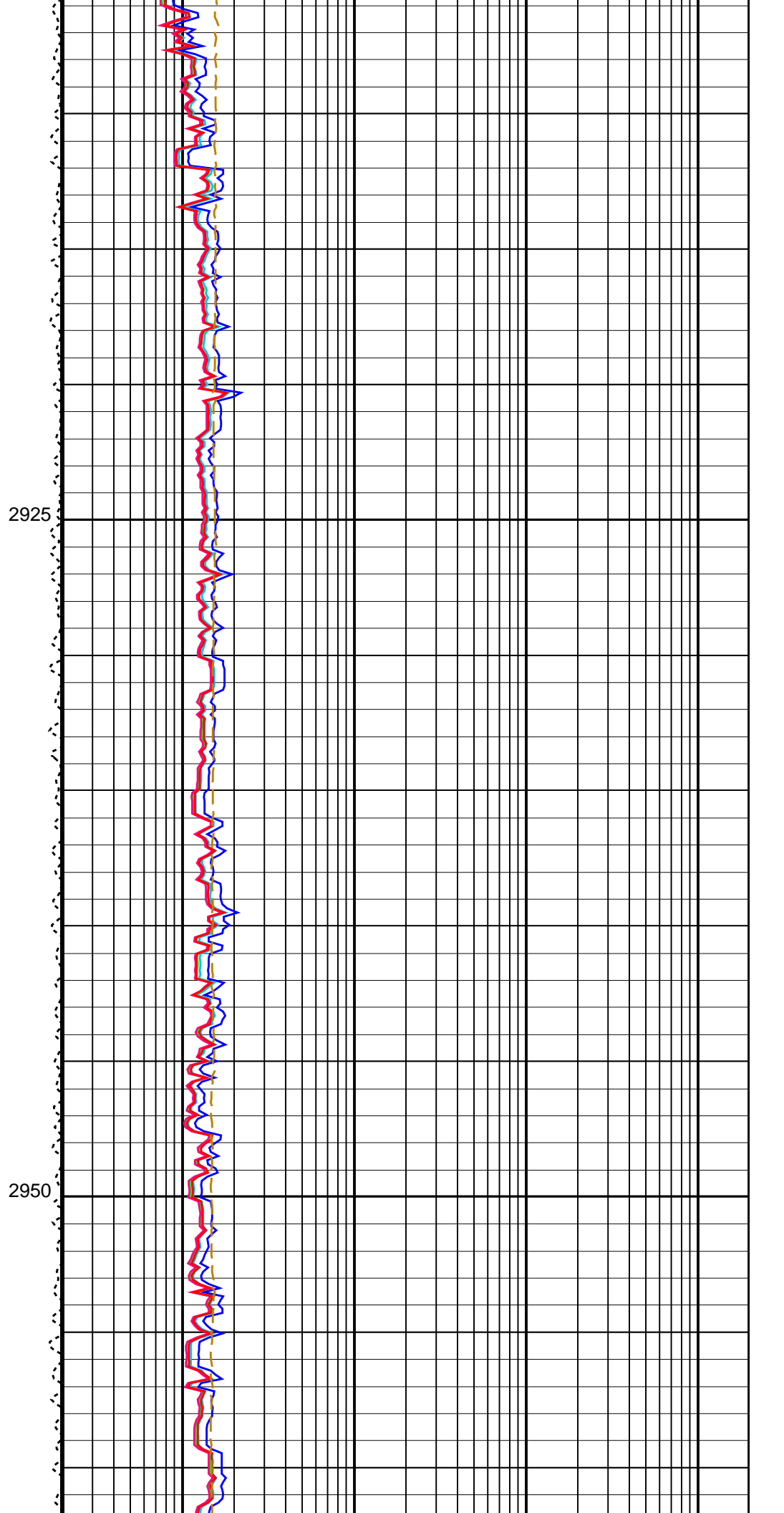
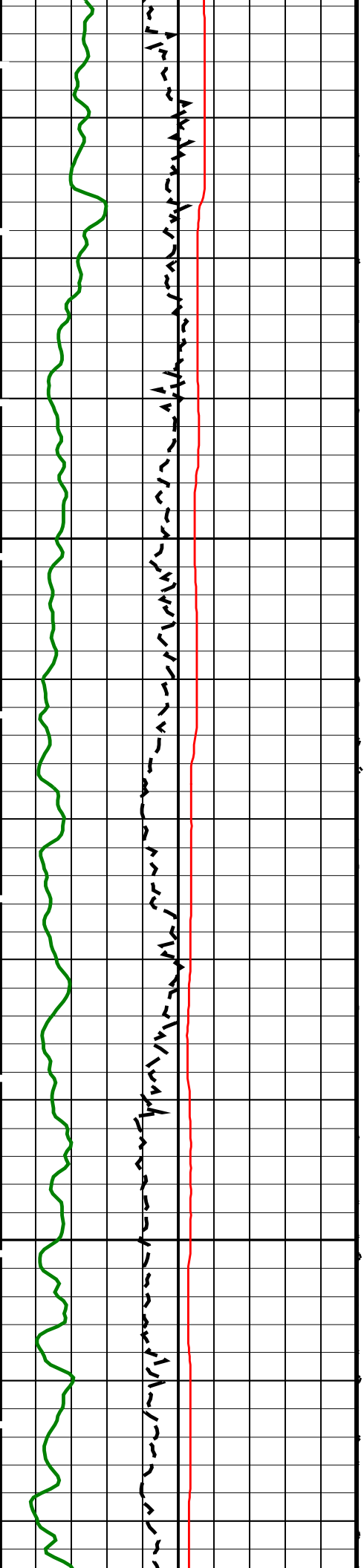


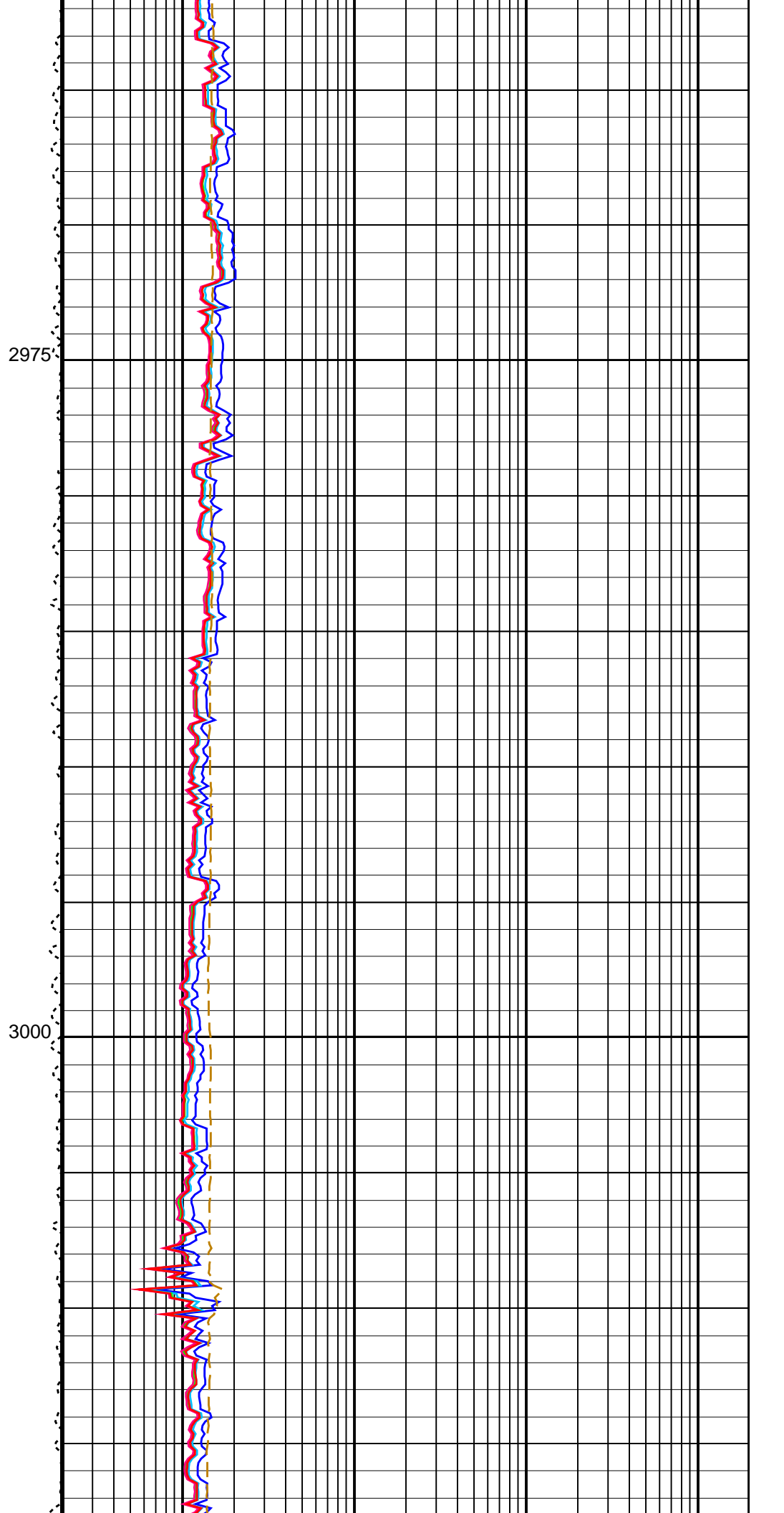
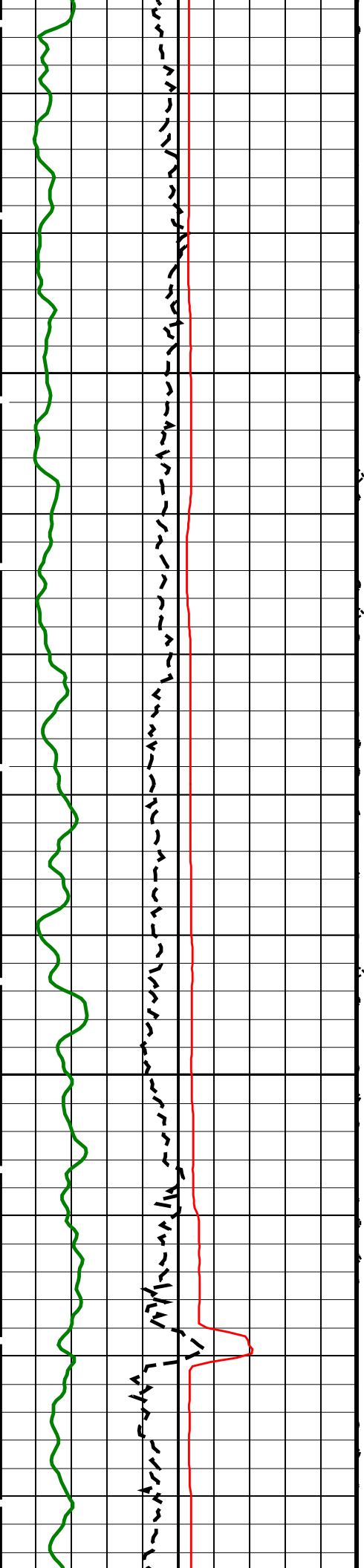


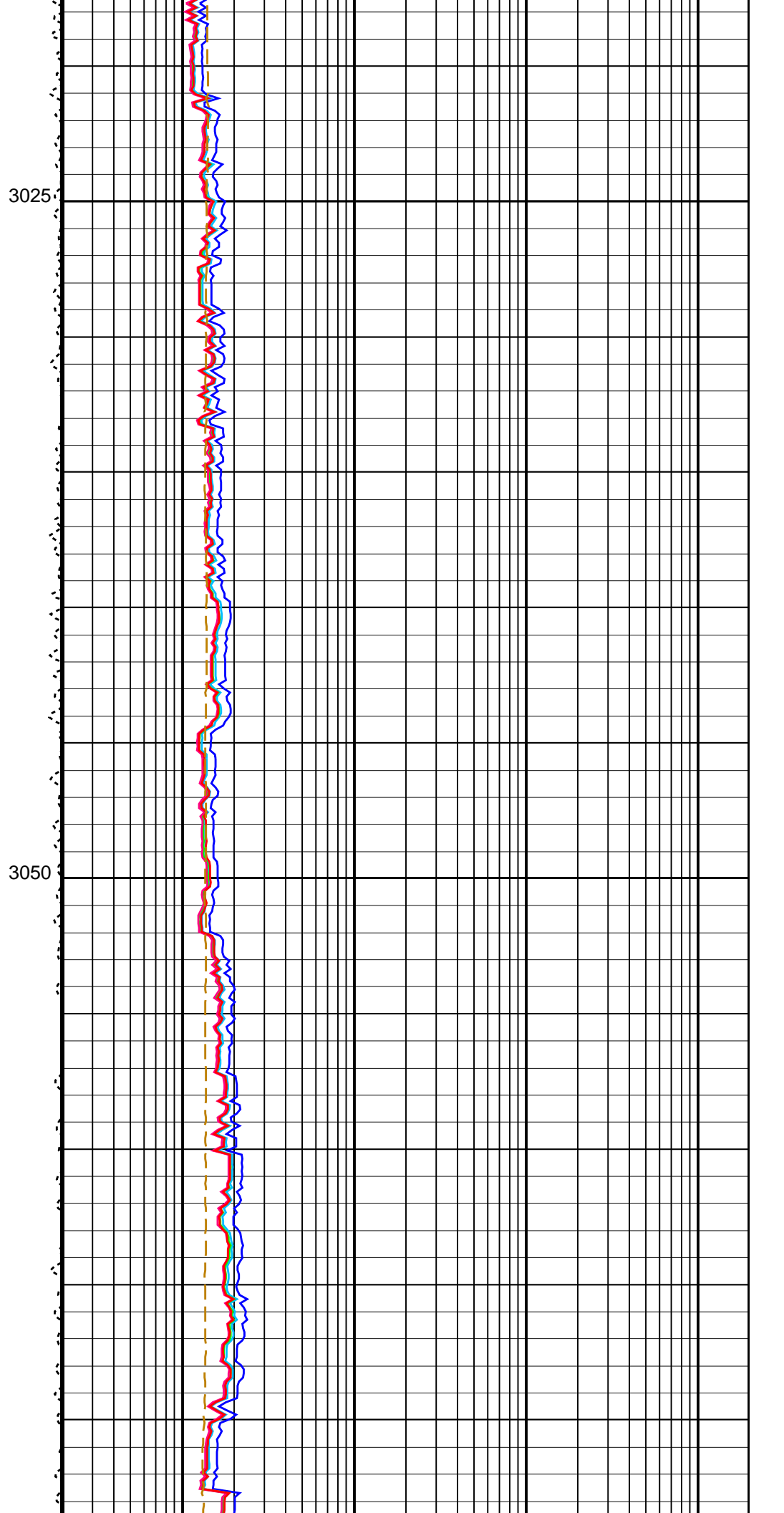
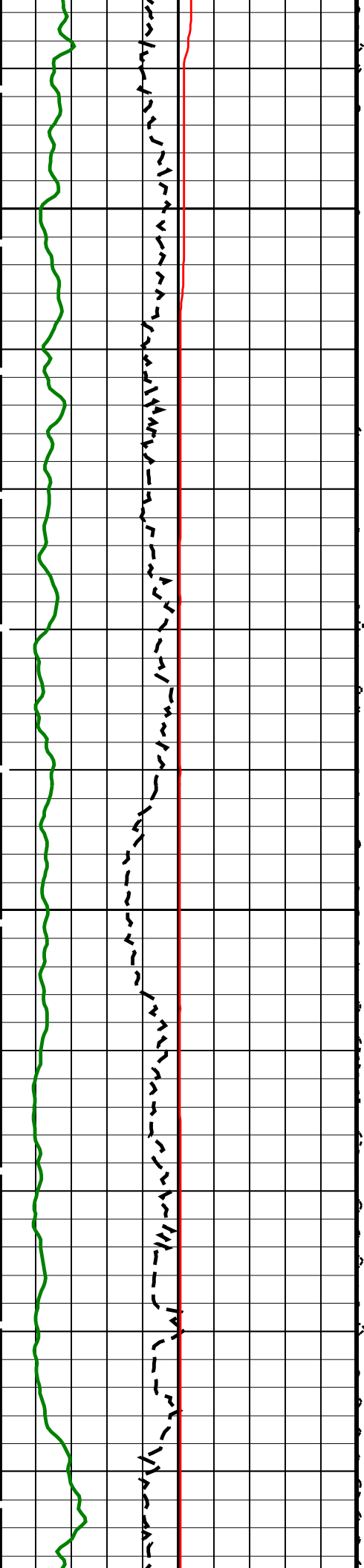


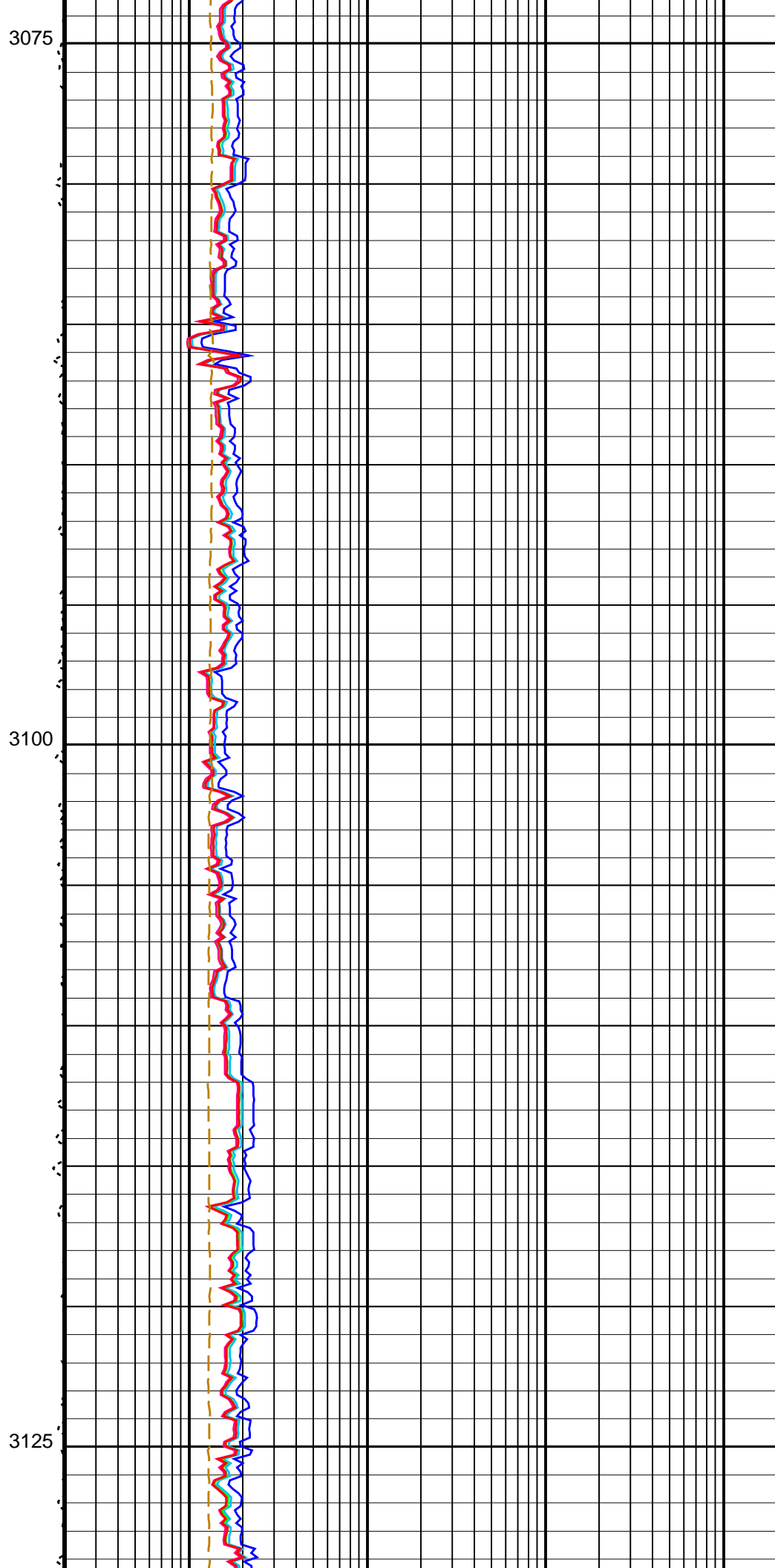
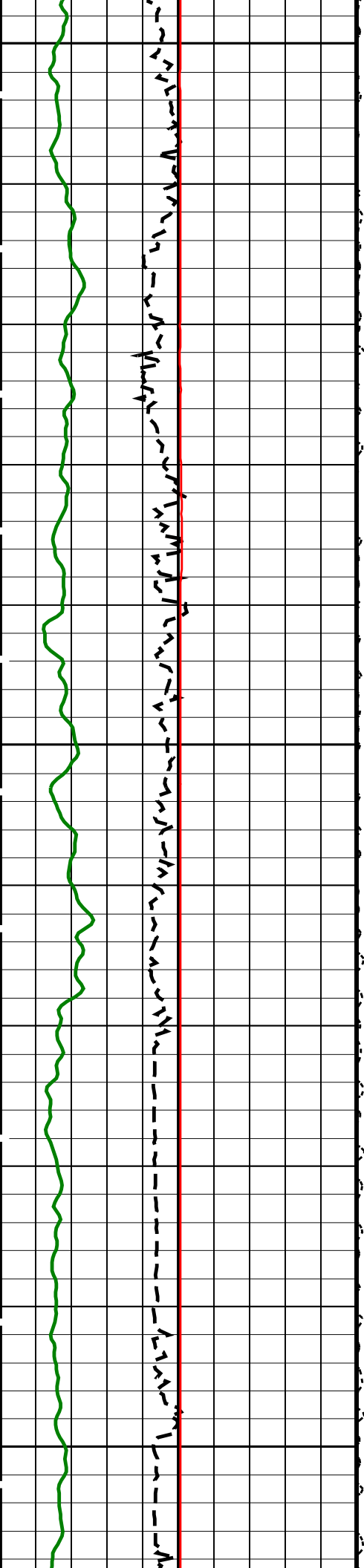


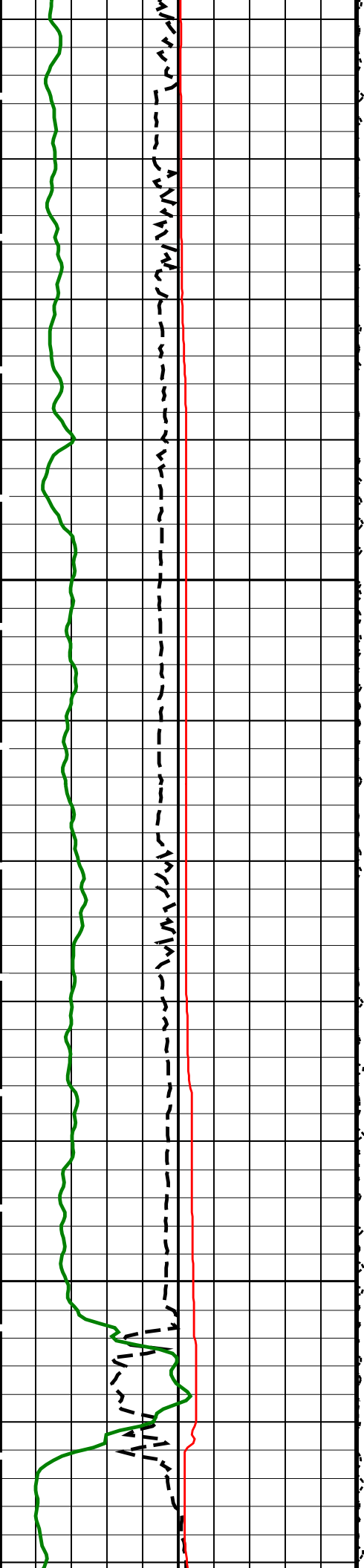






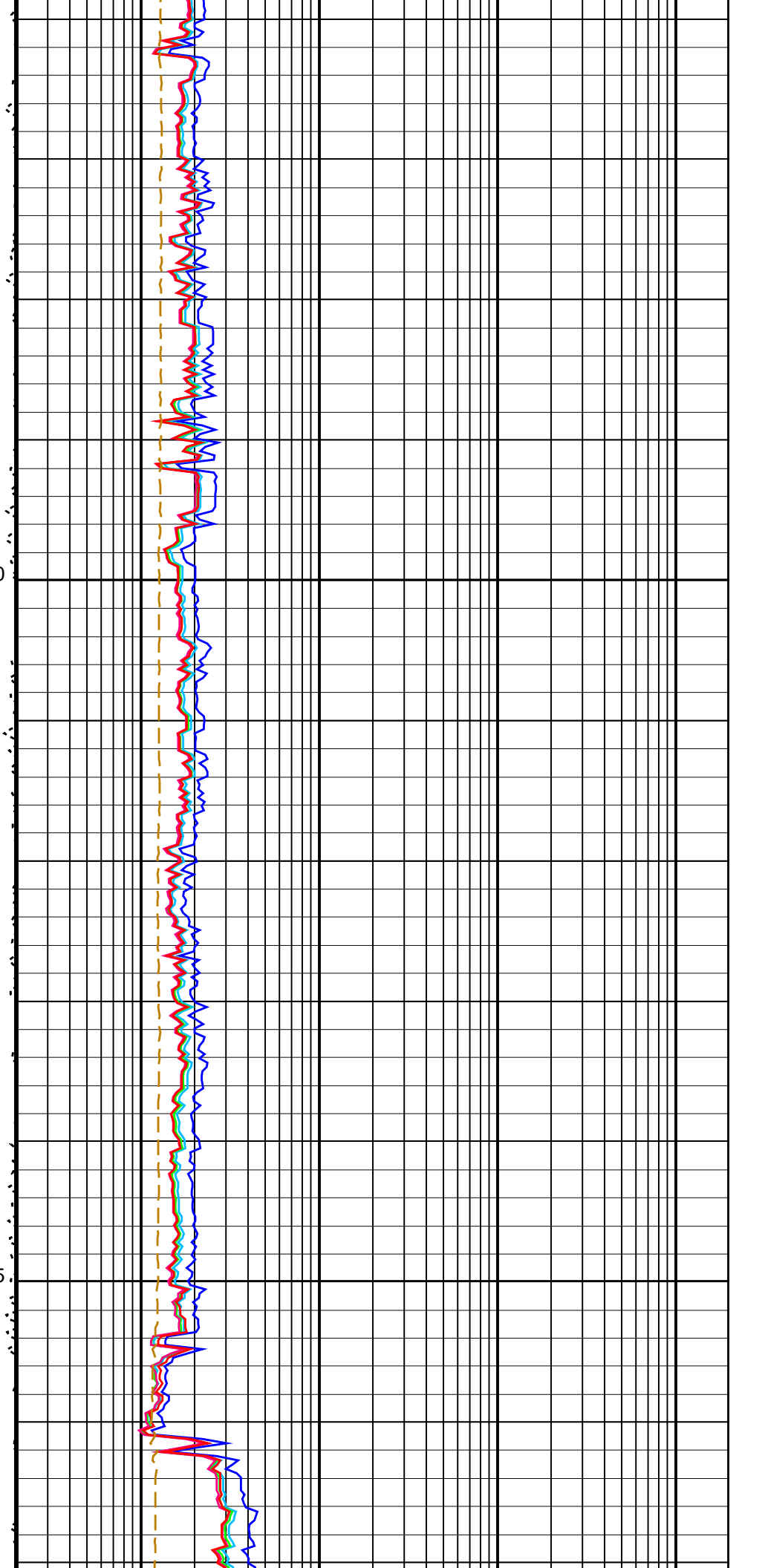


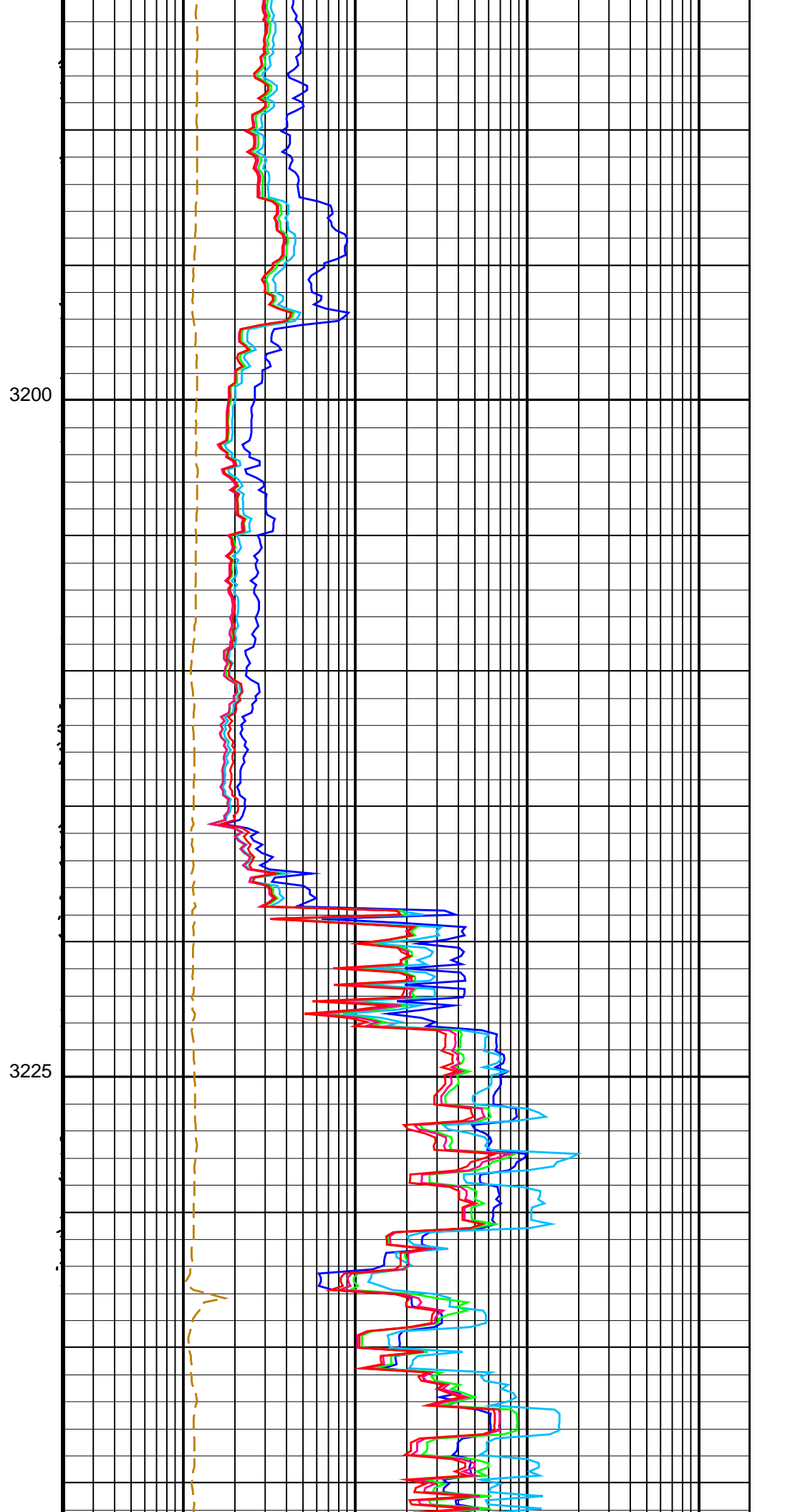
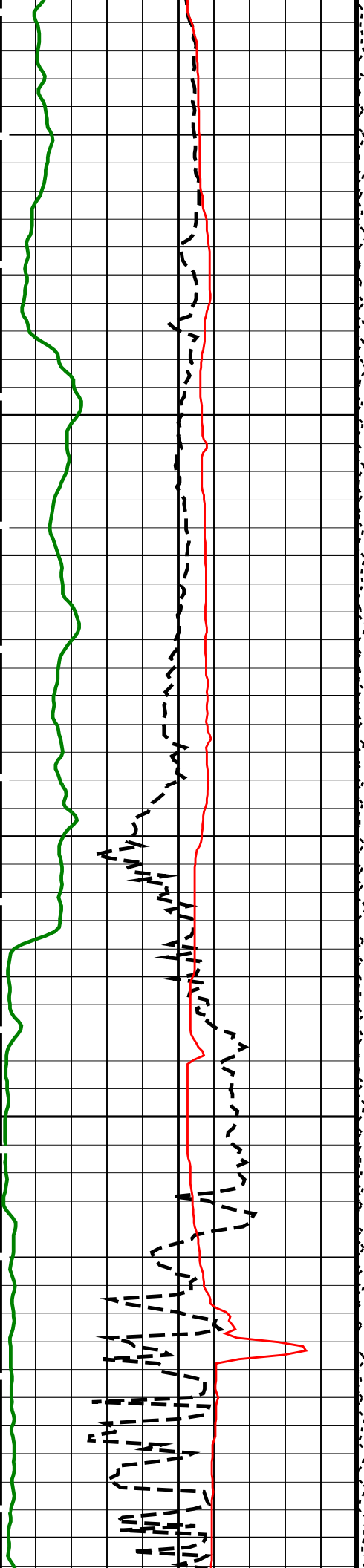


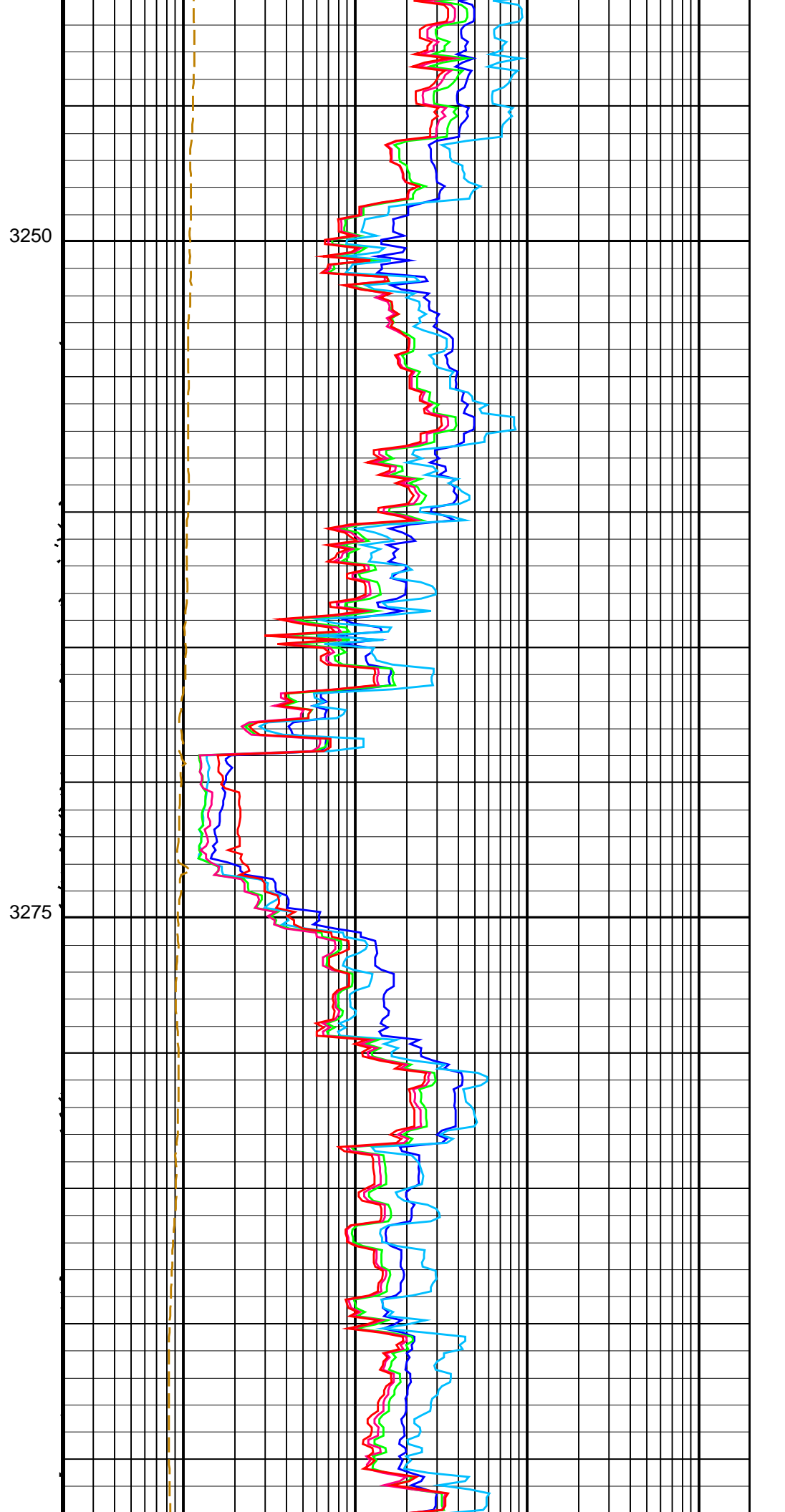
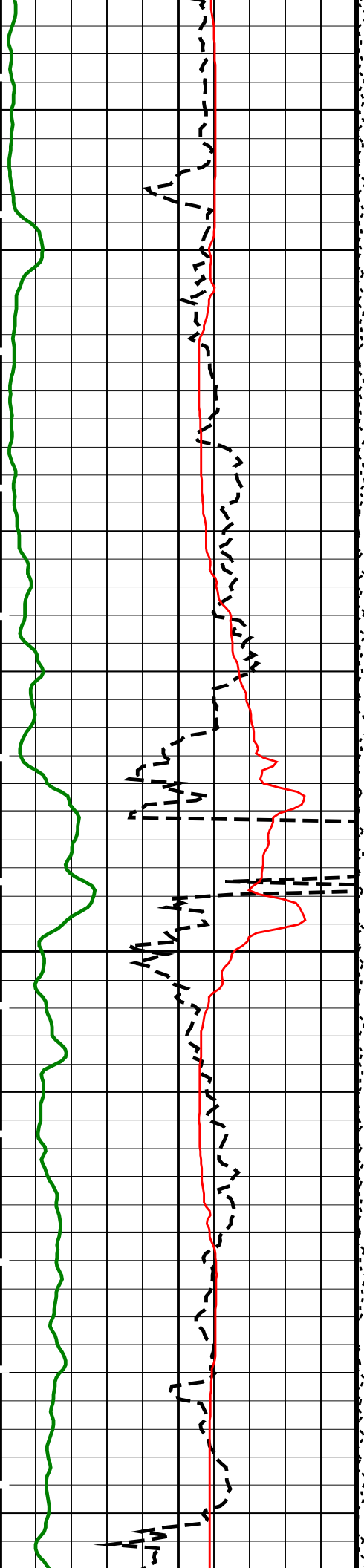


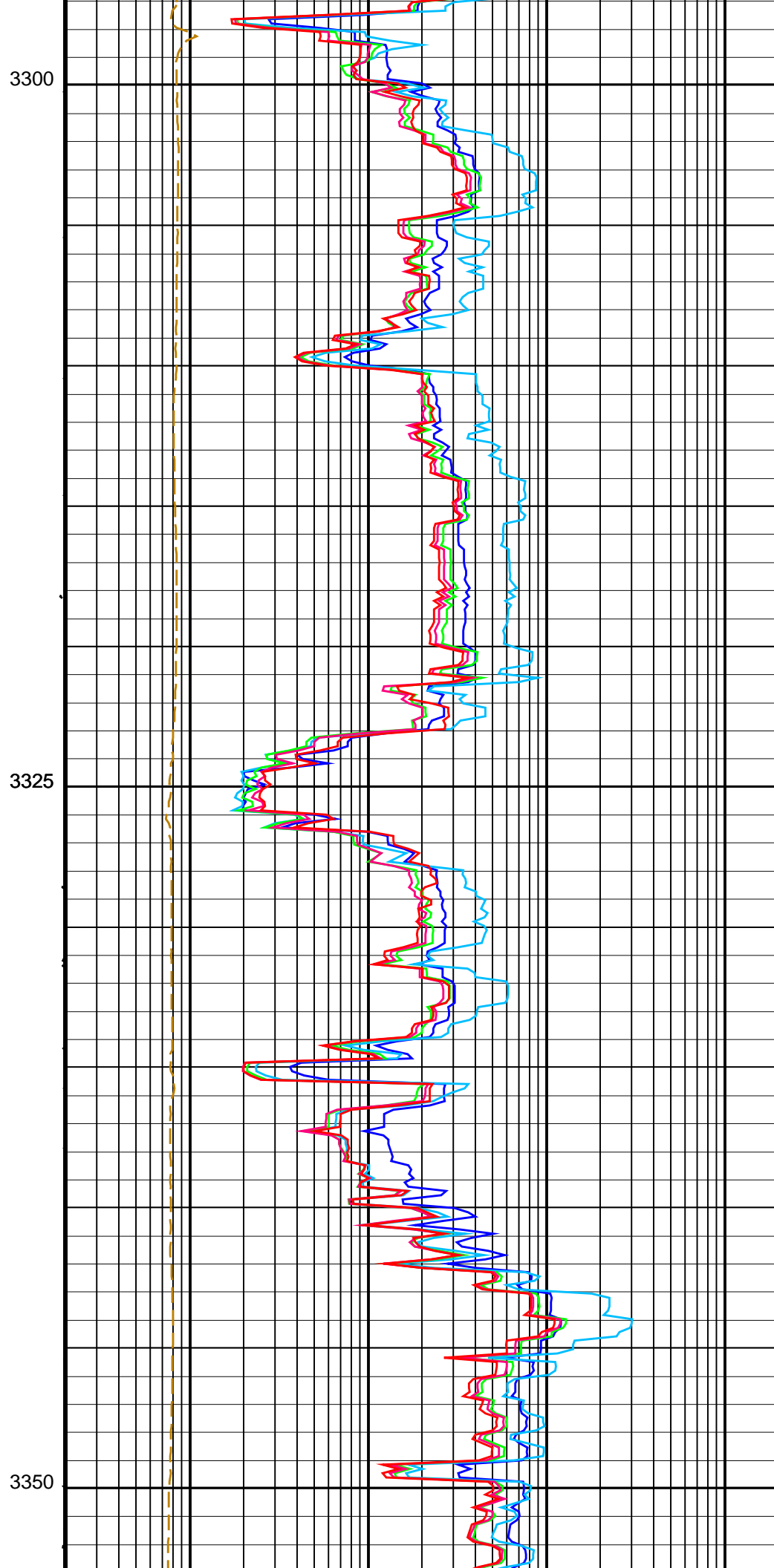
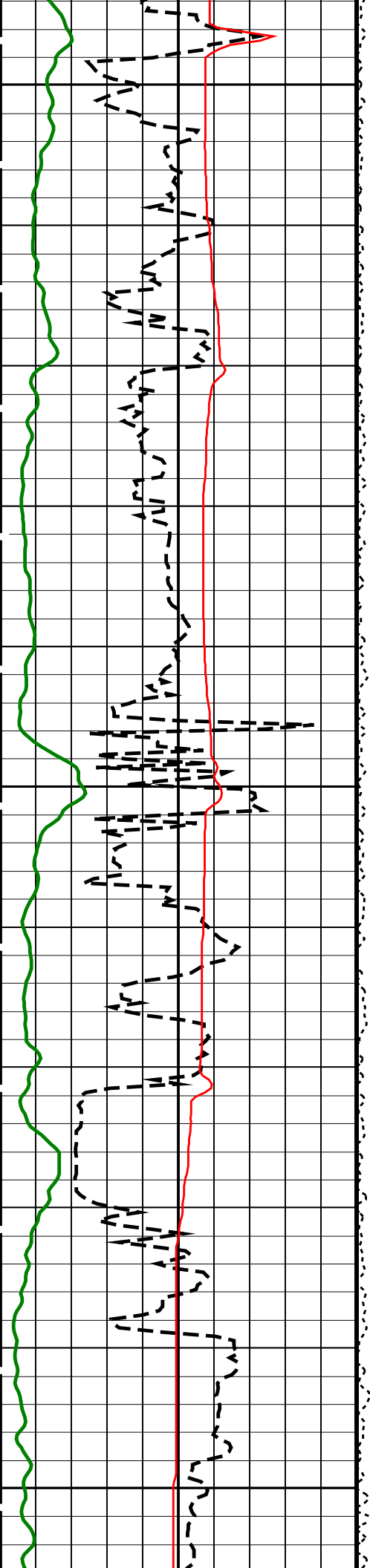
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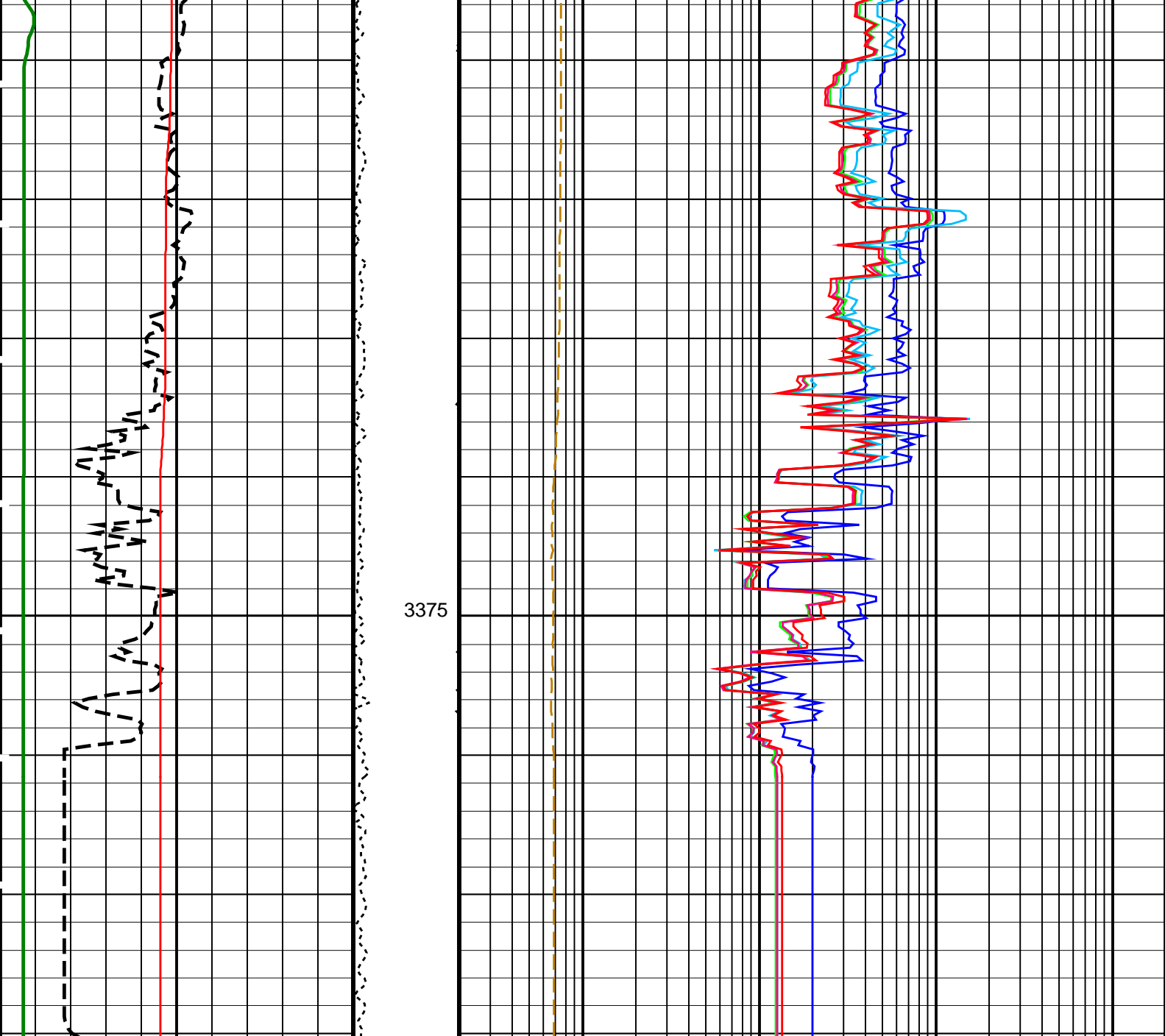
3175











<div>HLDS Caliper (LCAL)</div> <div>020</div> <div>(IN)</div> <div>Invasion Diameter (DI_HRLT)</div> <div>050</div> <div>(IN)</div> <div>HNGS Spectroscopy Gamma Ray (HSGR)</div> <div>0150</div> <div>(GAPI)</div>	<div>Tension (TENS)</div> <div>(LBF)</div> <div>05000</div>	<div>HRLT Resistivity 1 (RLA1)</div> <div>0.22000</div> <div>(OHMM)</div>
		<div>HRLT Resistivity 2 (RLA2)</div> <div>0.22000</div> <div>(OHMM)</div>
		<div>HRLT Resistivity 3 (RLA3)</div> <div>0.22000</div> <div>(OHMM)</div>
		<div>HRLT Resistivity 4 (RLA4)</div> <div>0.22000</div> <div>(OHMM)</div>
		<div>HRLT Resistivity 5 (RLA5)</div> <div>0.22000</div> <div>(OHMM)</div>
		<div>HRLT Mud Resistivity (RM_HRLT)</div> <div>0.02200</div> <div>(OHMM)</div>

PIP SUMMARY

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	LCAL	
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	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	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	LCAL	
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
HNGBS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGBS Detector 1 Barite Constant	1	
BAR2	HNGBS Detector 2 Barite Constant	1	
BHK	HNGBS 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	HNGBS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGBS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGBS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGBS Borehole Potassium Running Average	-0.00022055	
HALF	HNGBS Alpha Filter Length	60	IN
HCRB	HNGBS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGBS Processing Enable	YES	
S1BI	HNGBS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGBS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGBS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGBS Detector 1 Variable Barite Factor Running Average	1.01278	
VBA2	HNGBS Detector 2 Variable Barite Factor Running Average	0.997462	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	7	DEGC
GCSE	Generalized Caliper Selection	LCAL	
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	RECOMPUTE	
TD	Total Depth	3389.8	M

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 09-Aug-2023 17:38

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	HNGBS-B	19C0-187
HNGBS-BA	19C0-187	EDTC-B	19C0-187

Input DLIS Files

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_027PUP	FN:31	PRODUCER	09-Aug-2023 17:38
RTB	MSS_LDEO_HRLA_LDL_027PUP	FN:32	PRODUCER	09-Aug-2023 17:38



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: 9–Aug–2023 9:07 After: 9–Aug–2023 17:47								
HRLT M0–M1 Voltage Plus – 0	0	N/A	–318.8	–317.6	1.172	9.681	UV	
HRLT M0–M1 Voltage Plus – 1	0	N/A	–330.6	–329.4	1.166	9.681	UV	
HRLT M0–M1 Voltage Plus – 2	0	N/A	–338.3	–336.4	1.876	9.681	UV	
HRLT M0–M1 Voltage Plus – 3	0	N/A	–328.5	–327.1	1.402	9.681	UV	
HRLT M0–M1 Voltage Plus – 4	0	N/A	–319.4	–318.3	1.148	9.681	UV	
HRLT M0–M1 Voltage Plus – 5	0	N/A	–321.0	–319.9	1.169	9.681	UV	
HRLT M0–M1 Voltage Plus – 6	0	N/A	320.4	319.1	–1.283	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: 9–Aug–2023 9:07 After: 9–Aug–2023 17:47								
HRLT M1–M2 Voltage Plus – 0	0	N/A	1738	1736	–2.279	53.42	UV	
HRLT M1–M2 Voltage Plus – 1	0	N/A	1806	1800	–5.256	53.42	UV	
HRLT M1–M2 Voltage Plus – 2	0	N/A	1842	1834	–7.794	53.42	UV	
HRLT M1–M2 Voltage Plus – 3	0	N/A	1788	1784	–3.984	53.42	UV	
HRLT M1–M2 Voltage Plus – 4	0	N/A	1741	1739	–2.335	53.42	UV	
HRLT M1–M2 Voltage Plus – 5	0	N/A	1752	1749	–2.091	53.42	UV	
HRLT M1–M2 Voltage Plus – 6	0	N/A	–1756	–1750	6.118	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: 9–Aug–2023 9:07 After: 9–Aug–2023 17:47								
HRLT M2–M3 Voltage Plus – 0	0	N/A	1731	1729	–2.393	53.42	UV	
HRLT M2–M3 Voltage Plus – 1	0	N/A	1808	1802	–5.890	53.42	UV	
HRLT M2–M3 Voltage Plus – 2	0	N/A	1847	1839	–8.037	53.42	UV	
HRLT M2–M3 Voltage Plus – 3	0	N/A	1797	1793	–4.330	53.42	UV	
HRLT M2–M3 Voltage Plus – 4	0	N/A	1744	1741	–2.616	53.42	UV	
HRLT M2–M3 Voltage Plus – 5	0	N/A	1755	1753	–2.136	53.42	UV	
HRLT M2–M3 Voltage Plus – 6	0	N/A	–1748	–1741	6.880	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: 9–Aug–2023 9:07 After: 9–Aug–2023 17:47								
HRLT A3–A4 Voltage Plus – 0	0	N/A	68590	68530	–64.61	2100	UV	
HRLT A3–A4 Voltage Plus – 1	0	N/A	71480	71300	–181.0	2100	UV	
HRLT A3–A4 Voltage Plus – 2	0	N/A	73320	73020	–305.6	2100	UV	
HRLT A3–A4 Voltage Plus – 3	0	N/A	71560	71440	–120.7	2100	UV	
HRLT A3–A4 Voltage Plus – 4	0	N/A	69420	69340	–76.20	2100	UV	
HRLT A3–A4 Voltage Plus – 5	0	N/A	69890	69820	–66.66	2100	UV	
HRLT A3–A4 Voltage Plus – 6	0	N/A	–68140	–67900	241.0	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: 9–Aug–2023 9:07 After: 9–Aug–2023 17:47								
HRLT A4–A5 Voltage Plus – 0	0	N/A	68680	68610	–72.77	2100	UV	
HRLT A4–A5 Voltage Plus – 1	0	N/A	71700	71510	–187.4	2100	UV	
HRLT A4–A5 Voltage Plus – 2	0	N/A	73510	73220	–287.2	2100	UV	

HRLT A4-A5 Voltage Plus - 2	0	N/A	73510	73200	-307.3	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	71730	71590	-135.1	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69530	69450	-80.21	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	69990	69910	-74.42	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-68350	-68110	247.0	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: 9-Aug-2023 9:07 After: 9-Aug-2023 17:47

HRLT A5-A6 Voltage Plus - 0	0	N/A	68540	68460	-75.27	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	71540	71340	-203.0	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	73340	73050	-290.0	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	71600	71450	-148.8	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69390	69320	-68.19	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	69860	69800	-58.26	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-68200	-67960	239.2	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: 9-Aug-2023 9:07 After: 9-Aug-2023 17:47

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68070	-68010	64.69	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-71370	-71150	213.8	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73200	-72910	294.9	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71510	-71380	126.6	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69370	-69290	79.15	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69830	-69770	61.83	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	67970	67730	-237.5	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: 9-Aug-2023 9:07 After: 9-Aug-2023 17:47

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68110	-68040	63.49	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-71450	-71260	189.5	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73280	-73000	286.2	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71590	-71460	130.9	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69410	-69340	66.38	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-69860	-69800	63.67	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	68060	67820	-235.8	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: 9-Aug-2023 9:07 After: 9-Aug-2023 17:47

HRLT Source Current Plus - 0	0	N/A	284.2	283.9	-0.3018	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: 9-Aug-2023 9:07 After: 9-Aug-2023 17:47

HRLT Vertical Voltage PI - 0	0	N/A	-320.4	-319.7	0.6299	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-324.4	-323.2	1.201	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-331.0	-329.5	1.557	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-319.9	-319.0	0.9133	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-308.7	-308.1	0.5947	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-325.3	-324.8	0.5374	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	326.6	325.4	-1.239	9.681	UV
HRLT Vertical Voltage PI - 7	0	N/A	-322.7	-322.7	0	9.681	UV

Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement

Master: Calibration out of date 17-Apr-2023 12:47 Before: 9-Aug-2023 9:10 After: 9-Aug-2023 18:53

SS Cs Resolution Bkg	9.000	8.117	8.080	7.958	-0.1220	1.800	%
LS Cs Resolution Bkg	9.000	7.703	7.699	7.791	0.09150	1.800	%
LSW1 Background	100.0	56.06	55.13	55.69	0.5581	3.000	CPS
LSW2 Background	100.0	52.18	52.75	51.33	-1.427	3.000	CPS
LSW3 Background	200.0	113.2	112.9	112.1	-0.7703	6.000	CPS
LSW4 Background	250.0	140.7	140.2	139.9	-0.3371	7.500	CPS
LSW5 Background	600.0	323.9	320.8	320.2	-0.5937	18.00	CPS
SSW1 Background	100.0	62.70	63.31	63.68	0.3707	3.000	CPS
SSW2 Background	200.0	113.3	111.5	111.9	0.3969	6.000	CPS
SSW3 Background	500.0	305.6	304.2	301.0	-3.130	15.00	CPS
SSW4 Background	270.0	160.0	158.0	160.4	2.367	8.100	CPS
SSW5 Background	200.0	116.0	116.1	115.6	-0.4461	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: Calibration out of date 4-Oct-2022 19:31 Before: 9-Aug-2023 9:10 After: 9-Aug-2023 17:49							
Near Det Bkg Cntrate	30.00	26.04	26.69	26.47	-0.2160	N/A	CPS
Far Det Bkg Cntrate	30.00	24.58	24.45	23.80	-0.6480	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	23.51	24.92	23.86	-1.063	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	24.23	24.81	24.47	-0.3322	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	25.48	25.09	23.39	-1.702	N/A	CPS
Accelerator-Porosity Tool Wellsite Calibration – Calibration Ratios							
Master: Calibration out of date 4-Oct-2022 19:31							
Near/Far Calibration Ratio	0.9250	0.9403	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.082	N/A	N/A	N/A	N/A	
Near/Array Cal Ratio Up/Down	1.000	1.013	N/A	N/A	N/A	N/A	
Accelerator-Porosity Tool Wellsite Calibration – Tank Check							
Master: Calibration out of date 4-Oct-2022 19:31							
Array-1 Standoff Porosity	11.75	10.96	N/A	N/A	N/A	N/A	PU
Array-2 Standoff Porosity	11.75	10.47	N/A	N/A	N/A	N/A	PU
Average Slowing Down Time	6.000	6.000	N/A	N/A	N/A	N/A	US
Array-1 SDT Ratio Up/Down	1.000	0.9838	N/A	N/A	N/A	N/A	
Array-2 SDT Ratio Up/Down	1.000	0.9665	N/A	N/A	N/A	N/A	
Sigma Formation	27.50	27.92	N/A	N/A	N/A	N/A	CU
Accelerator-Porosity Tool Wellsite Calibration – CCR7 signal boxes							
Master: Calibration out of date 4-Oct-2022 19:31							
Near Detector Plateau Setting	1650	1736	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2068	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1976	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: 9-Aug-2023 9:13 After: 9-Aug-2023 18:54							
Na 511 Peak Loc	40.00	38.77	39.58	39.56	-0.02338	1.000	
Na 511 Peak Res	15.50	16.72	16.43	15.98	-0.4494	2.000	%
High Voltage	1150	1244	1193	1199	5.773	N/A	V
Na 1785 Peak Loc	142.6	138.9	143.0	142.6	-0.3542	7.000	
Na 1785 Peak Res	8.500	9.548	8.640	8.347	-0.2933	2.000	%
Temperature	15.50	25.51	18.92	20.15	1.237	N/A	DEGC
Na Count Rate	45.00	47.77	43.51	44.25	0.7362	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: Calibration out of date 18-Apr-2023 21:32 Before: 9-Aug-2023 9:13 After: 9-Aug-2023 18:54							
Na 511 Peak Loc	40.00	40.77	39.67	39.50	-0.1753	1.000	
Na 511 Peak Res	15.50	15.42	15.46	16.11	0.6540	2.000	%
High Voltage	1150	1160	1075	1080	5.782	N/A	V
Na 1785 Peak Loc	142.6	144.4	142.6	142.3	-0.3199	7.000	
Na 1785 Peak Res	8.500	8.555	9.038	8.577	-0.4613	2.000	%
Temperature	15.50	26.63	18.42	20.90	2.478	N/A	DEGC
Na Count Rate	45.00	48.78	43.50	44.34	0.8403	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: 9-Aug-2023 9:13 After: 9-Aug-2023 18:54							
Coincidence Count Rate Ratio	1.000	0.9755	0.9995	0.9956	-0.003950	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 9-Aug-2023 10:34							
EDTC 7-Axis Accelerometer	0.010	N/A	0.004	N/A	N/A	N/A	M/GS

EDTC Z-Axis Acceleration	9.810	N/A	9.864	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 9–Aug–2023 9:10 After: 9–Aug–2023 18:51							
Gamma Ray (Jig – Bkg)	168.3	N/A	168.3	159.4	–8.892	15.30	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	156.3	–8.720	15.00	GAPI

Accelerator–Porosity Tool – Detector Plateau Settings :

Near Detector Plateau Setting 1736 V
Far Detector Plateau Setting 2068 V
Array Detector Plateau Setting 1976 V

High Resolution Laterolog Array – B / Equipment Identification

Primary Equipment:
HRLT Sonde

HRLS – B 969

Auxiliary Equipment:
HRLT lower Housing
HRLT Lower Cartridge
HRLT upper Housing
HRLT Upper Cartridge

HRLH – B 1869
HRLC – B 1897
HRUH – B 975
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		–318.8	–322.7	–280.7	–379.7	
	After		–317.6				
1	Before		–330.6	–322.7	–280.7	–379.7	
	After		–329.4				
2	Before		–338.3	–322.7	–280.7	–379.7	
	After		–336.4				
3	Before		–328.5	–322.7	–280.7	–379.7	
	After		–327.1				
4	Before		–319.4	–322.7	–280.7	–379.7	
	After		–318.3				
5	Before		–321.0	–322.7	–280.7	–379.7	
	After		–319.9				
6	Before		320.4	322.7	379.7	280.7	
	After		319.1				
7	Before		–322.7	–322.7	–280.7	–379.7	
	After		–322.7				
(Minimum) (Nominal) (Maximum)							
Before: 9–Aug–2023 9:07							
After: 9–Aug–2023 17:47							

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT M12							
Idx	Phase	HRLT M1–M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		1738	1781	2095	1549	
	After		1736				
1	Before		1806	1781	2095	1549	
	After		1800				
2	Before		1810	1781	2095	1549	
	After		1800				

2	Before		1842	1781	2095	1549
	After		1834			
3	Before		1788	1781	2095	1549
	After		1784			
4	Before		1741	1781	2095	1549
	After		1739			
5	Before		1752	1781	2095	1549
	After		1749			
6	Before		-1756	-1781	-1549	-2095
	After		-1750			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 9–Aug–2023 9:07						
After: 9–Aug–2023 17:47						









High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2–M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1731	1781	2095	1549
	After		1729			
1	Before		1808	1781	2095	1549
	After		1802			
2	Before		1847	1781	2095	1549
	After		1839			
3	Before		1797	1781	2095	1549
	After		1793			
4	Before		1744	1781	2095	1549
	After		1741			
5	Before		1755	1781	2095	1549
	After		1753			
6	Before		-1748	-1781	-1549	-2095
	After		-1741			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 9–Aug–2023 9:07						
After: 9–Aug–2023 17:47						

















High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3–A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68590	70000	82360	60900
	After		68530			
1	Before		71480	70000	82360	60900
	After		71300			
2	Before		73320	70000	82360	60900
	After		73020			
3	Before		74520	70000	82360	60900
	After		74220			












3	Before		71560	70000	82360	60900
	After		71440	70000	82360	60900
4	Before		69420	70000	82360	60900
	After		69340	70000	82360	60900
5	Before		69890	70000	82360	60900
	After		69820	70000	82360	60900
6	Before		-68140	-70000	-60900	-82360
	After		-67900	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
	After		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						
Before: 9-Aug-2023 9:07						
After: 9-Aug-2023 17:47						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68680	70000	82360	60900
	After		68610			
1	Before		71700	70000	82360	60900
	After		71510			
2	Before		73510	70000	82360	60900
	After		73200			
3	Before		71730	70000	82360	60900
	After		71590			
4	Before		69530	70000	82360	60900
	After		69450			
5	Before		69990	70000	82360	60900
	After		69910			
6	Before		-68350	-70000	-60900	-82360
	After		-68110			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						
Before: 9-Aug-2023 9:07						
After: 9-Aug-2023 17:47						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68540	70000	82360	60900
	After		68460			
1	Before		71540	70000	82360	60900
	After		71340			
2	Before		73340	70000	82360	60900
	After		73050			
3	Before		71600	70000	82360	60900
	After		71450			
4	Before		70000	70000	82360	60900
	After		70000			

4	Before		69390	70000	82360	60900
	After		69320			
5	Before		69860	70000	82360	60900
	After		69800			
6	Before		-68200	-70000	-60900	-82360
	After		-67960			
7	Before		70000	70000	82360	60900
	After		70000			
(Minimum) (Nominal) (Maximum)						
Before: 9-Aug-2023 9:07						
After: 9-Aug-2023 17:47						





High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VTP							
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68070	-70000	-60900	-82360	
	After		-68010				
1	Before		-71370	-70000	-60900	-82360	
	After		-71150				
2	Before		-73200	-70000	-60900	-82360	
	After		-72910				
3	Before		-71510	-70000	-60900	-82360	
	After		-71380				
4	Before		-69370	-70000	-60900	-82360	
	After		-69290				
5	Before		-69830	-70000	-60900	-82360	
	After		-69770				
6	Before		67970	70000	82360	60900	
	After		67730				
7	Before		-70000	-70000	-60900	-82360	
	After		-70000				
(Minimum) (Nominal) (Maximum)							
Before: 9-Aug-2023 9:07							
After: 9-Aug-2023 17:47							

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT VBD							
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		-68110	-70000	-60900	-82360	
	After		-68040				
1	Before		-71450	-70000	-60900	-82360	
	After		-71260				
2	Before		-73280	-70000	-60900	-82360	
	After		-73000				
3	Before		-71590	-70000	-60900	-82360	
	After		-71460				
4	Before		-69410	-70000	-60900	-82360	
	After		-69340				
							

5	Before		-69860	-70000	-60900	-82360
	After		-69800			
6	Before		68060	70000	82360	60900
	After		67820			
7	Before		-70000	-70000	-60900	-82360
	After		-70000			
		(Minimum) (Nominal) (Maximum)				
Before: 9-Aug-2023 9:07						
After: 9-Aug-2023 17:47						

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		283.9			
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: 9-Aug-2023 9:07						
After: 9-Aug-2023 17:47						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-320.4	-322.7	-280.7	-379.7
	After		-319.7			
1	Before		-324.4	-322.7	-280.7	-379.7
	After		-323.2			
2	Before		-331.0	-322.7	-280.7	-379.7
	After		-329.5			
3	Before		-319.9	-322.7	-280.7	-379.7
	After		-319.0			
4	Before		-308.7	-322.7	-280.7	-379.7
	After		-308.1			
5	Before		-325.3	-322.7	-280.7	-379.7
	After		-324.8			

6	Before		326.6	322.7	379.7	280.7
	After		325.4			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
(Minimum) (Nominal) (Maximum)						
Before: 9-Aug-2023 9:07						
After: 9-Aug-2023 17:47						

































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		8.080	Before		7.699	Before		55.13
After		7.958	After		7.791	After		55.69
7.000 (Minimum)		9.000 (Nominal)	7.000 (Minimum)		9.000 (Nominal)	55.00 (Minimum)		100.0 (Nominal)
		11.00 (Maximum)			11.00 (Maximum)			150.0 (Maximum)
Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value
Master		52.18	Master		113.2	Master		140.7
Before		52.75	Before		112.9	Before		140.2
After		51.33	After		112.1	After	EXCEEDS LIMIT	139.9
50.00 (Minimum)		100.0 (Nominal)	110.0 (Minimum)		200.0 (Nominal)	140.0 (Minimum)		250.0 (Nominal)
		140.0 (Maximum)			290.0 (Maximum)			360.0 (Maximum)
Phase	LSW5 Background CPS	Value	Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value
Master	EXCEEDS LIMIT	323.9	Master		62.70	Master		113.3
Before	EXCEEDS LIMIT	320.8	Before		63.31	Before		111.5
After	EXCEEDS LIMIT	320.2	After		63.68	After		111.9
330.0 (Minimum)		600.0 (Nominal)	55.00 (Minimum)		100.0 (Nominal)	100.0 (Minimum)		200.0 (Nominal)
		830.0 (Maximum)			150.0 (Maximum)			260.0 (Maximum)
Phase	SSW3 Background CPS	Value	Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value
Master		305.6	Master		160.0	Master		116.0
Before		304.2	Before		158.0	Before		116.1
After		301.0	After		160.4	After		115.6
280.0 (Minimum)		500.0 (Nominal)	150.0 (Minimum)		270.0 (Nominal)	110.0 (Minimum)		200.0 (Nominal)
		700.0 (Maximum)			380.0 (Maximum)			270.0 (Maximum)
Master: Calibration out of date 17-Apr-2023 12:47			Before: 9-Aug-2023 9:10			After: 9-Aug-2023 18:53		

Litho-Density Spectroscopy Cartridge – B / Equipment Identification

Primary Equipment:

LDSC Cartridge	LDSC – B	295
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Auxiliary Equipment:

LDSC Housing	LDSh – A	333
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Accelerator-Porosity Tool / Equipment Identification

Primary Equipment:

Accelerator–Porosity Sonde
APS MinitronAPS – C
MNTR – F249
51002

Auxiliary Equipment:

Accelerator–Porosity Housing
APS Calibration Water Tank
APS Aluminum Calibrator SleeveAPH – AC
SFT – 178
SFT – 281152
1
1

Accelerator–Porosity Tool Wellsite Calibration

Detector Background

Phase	Near Det Bkg Cntrate CPS	Value	Phase	Far Det Bkg Cntrate CPS	Value	Phase	Array–1 Det Bkg Cntrate CPS	Value
Master		26.04	Master		24.58	Master		23.51
Before		26.69	Before		24.45	Before		24.92
After		26.47	After		23.80	After		23.86
1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)		
Phase	Array–2 Det Bkg Cntrate CPS	Value	Phase	Array Therm Det Bkg Cntrate CPS	Value			
Master		24.23	Master		25.48			
Before		24.81	Before		25.09			
After		24.47	After		23.39			
1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			1.000 (Minimum) 30.00 (Nominal) 50.00 (Maximum)					
Master: Calibration out of date 4–Oct–2022 19:31			Before: 9–Aug–2023 9:10			After: 9–Aug–2023 17:49		

Accelerator–Porosity Tool Wellsite Calibration

Calibration Ratios

Phase	Near/Far Calibration Ratio		Value	Phase	Near/Array Calibration Ratio		Value	Phase	Near/Array Cal Ratio Up/Down		Value
Master			0.9403	Master			1.082	Master			1.013
0.8000 (Minimum) 0.9250 (Nominal) 1.050 (Maximum)				0.9000 (Minimum) 1.030 (Nominal) 1.170 (Maximum)				0.9700 (Minimum) 1.000 (Nominal) 1.030 (Maximum)			
Master: Calibration out of date 4–Oct–2022 19:31											

Accelerator–Porosity Tool Wellsite Calibration

Tank Check

PART CHECK											
Phase	Array-1 Standoff Porosity PU		Value	Phase	Array-2 Standoff Porosity PU		Value	Phase	Average Slowing Down Time US		Value
Master			10.96	Master			10.47	Master			6.000
9.900 (Minimum) 11.75 (Nominal) 13.60 (Maximum)				9.900 (Minimum) 11.75 (Nominal) 13.60 (Maximum)				5.500 (Minimum) 6.000 (Nominal) 6.250 (Maximum)			
Phase	Array-1 SDT Ratio Up/Down		Value	Phase	Array-2 SDT Ratio Up/Down		Value	Phase	Sigma Formation CU		Value
Master			0.9838	Master			0.9665	Master			27.92
0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)				0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)				20.00 (Minimum) 27.50 (Nominal) 35.00 (Maximum)			
Master: Calibration out of date 4-Oct-2022 19:31											

Hostile Natural Gamma Ray Cartridge – B / Equipment Identification

Primary Equipment:

HNGC Cartridge

HNGC – B 351

Auxiliary Equipment:

HNGC Housing

HNGH – A 4124

Hostile Natural Gamma Ray Sonde / Equipment Identification

Primary Equipment:

HNGS Sonde

HNGS – BA 99

Auxiliary Equipment:

HNGS Sonde Housing
Gamma Source RadioactiveHNSH – BA 102
GSR – U 135

Hostile Natural Gamma Ray Sonde Wellsite Calibration

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>		38.77	Master	<div><div></div></div>		16.72	Master	<div><div></div></div>		1244
Before	<div><div></div></div>		39.58	Before	<div><div></div></div>		16.43	Before	<div><div></div></div>		1193
After	<div><div></div></div>		39.56	After	<div><div></div></div>		15.98	After	<div><div></div></div>		1199
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>		138.9	Master	<div><div></div></div>		9.548	Master	<div><div></div></div>		25.51
Before	<div><div></div></div>		143.0	Before	<div><div></div></div>		8.640	Before	<div><div></div></div>		18.92
After	<div><div></div></div>		142.6	After	<div><div></div></div>		8.347	After	<div><div></div></div>		20.15
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>		47.77								
Before	<div><div></div></div>		43.51								
After	<div><div></div></div>		44.25								
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)											
Master: Calibration out of date 18-Apr-2023 21:32				Before: 9-Aug-2023 9:13				After: 9-Aug-2023 18:54			

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		39.67	Before		15.46	Before		1075
After		39.50	After		16.11	After		1080
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		142.6	Before		9.038	Before		18.42
After		142.3	After		8.577	After		20.90
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		43.50						
After		44.34						
10.00 (Minimum) 45.00 (Nominal) 100.0 (Maximum)								
Master: Calibration out of date 18-Apr-2023 21:32			Before: 9-Aug-2023 9:13			After: 9-Aug-2023 18:54		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9755
Before		0.9995
After		0.9956
0.9500 (Minimum) 1.000 (Nominal) 1.050 (Maximum)		
Master: Calibration out of date 18-Apr-2023 21:32		
Before: 9-Aug-2023 9:13		
After: 9-Aug-2023 18:54		


Primary Equipment:
EDTC Gamma Ray Detector
Enhanced DTS Cartridge

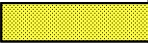





EDTG – A/B
EDTC – B

Auxiliary Equipment:
EDTC Housing

EDTH – B

8529

Enhanced DTS Cartridge Wellsite Calibration			
EDTC Accelerometer Calibration			
Phase	EDTC Z-Axis Acceleration M/S2		Value
Before			9.864
	9.610 (Minimum)	9.810 (Nominal)	10.01 (Maximum)
Before: 9-Aug-2023 10:34			

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			1.802	Before			168.3	Before			165.0
After			7.307	After			159.4	After			156.3
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		153.0 (Minimum)	168.3 (Nominal)	183.6 (Maximum)		150.0 (Minimum)	165.0 (Nominal)	180.0 (Maximum)
Before: 9-Aug-2023 9:10				After: 9-Aug-2023 18:51							

Company: **International Ocean Discovery Program**

Schlumberger

Well: **Expedition 395, Site U1564F**

Field: **Reykjanes Mantle Convection and Climate**

Rig: **JOIDES Resolution**

Country: **Iceland**

High Resolution Laterolog (HRLA) / HLDS

Magnetic Susceptibility (MSS) / APS

Natural Gamma / MSS (HNGS)