

Company: International Ocean Discovery Program

Well: Expedition 390, Site U1557D

Field: South Atlantic Transect 1

Rig: JOIDES Resolution Country: South Africa

Rig: JOIDES Resolution Field: South Atlantic Transect 1 Location: Latitude: S 30.94109 Deg Well: Expedition 390, Site U1557D Company: International Ocean Discovery Program	High Resolution Laterolog (HRLA) Litho Density (HLDS) Natural Gamma / MSS (HNGS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

[illegible]

DISCLAIMER

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

REMARKS: RUN NUMBER 1

Hole drilled with RCB BHA at 9 7/8" BS

Casing Shoe at 5595.0 mbrf

Drill pipe set at 5051.5 mbrf.

Depth recorded from drill floor; logs presented as-logged without depth corrections or shifts, as per client instructions.

All logs presented in wireline measured depth below rig floor (MDBRF).

Caliper opened during upward passes; closed inside pipe and while logging down.

Hole size corrections made using caliper measurements for upward passes bit size

used for downlog corrections.

AHC used from TD then switched off to facilitate pipe entry.

Caliper closed prior to shutting off compensator and entering pipe or casing.

Caliper offset adjusted to read nominal casing ID of 10.05in. inside casing; OH caliper corrected using same offset.

RUN 1

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

19C0-187

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL

START

STOP

LOGGED INTERVAL

START

STOP

[illegible]

RUN 1

RUN 2

SURFACE EQUIPMENT

GSR-U 6098
WITM (EDTS)-A

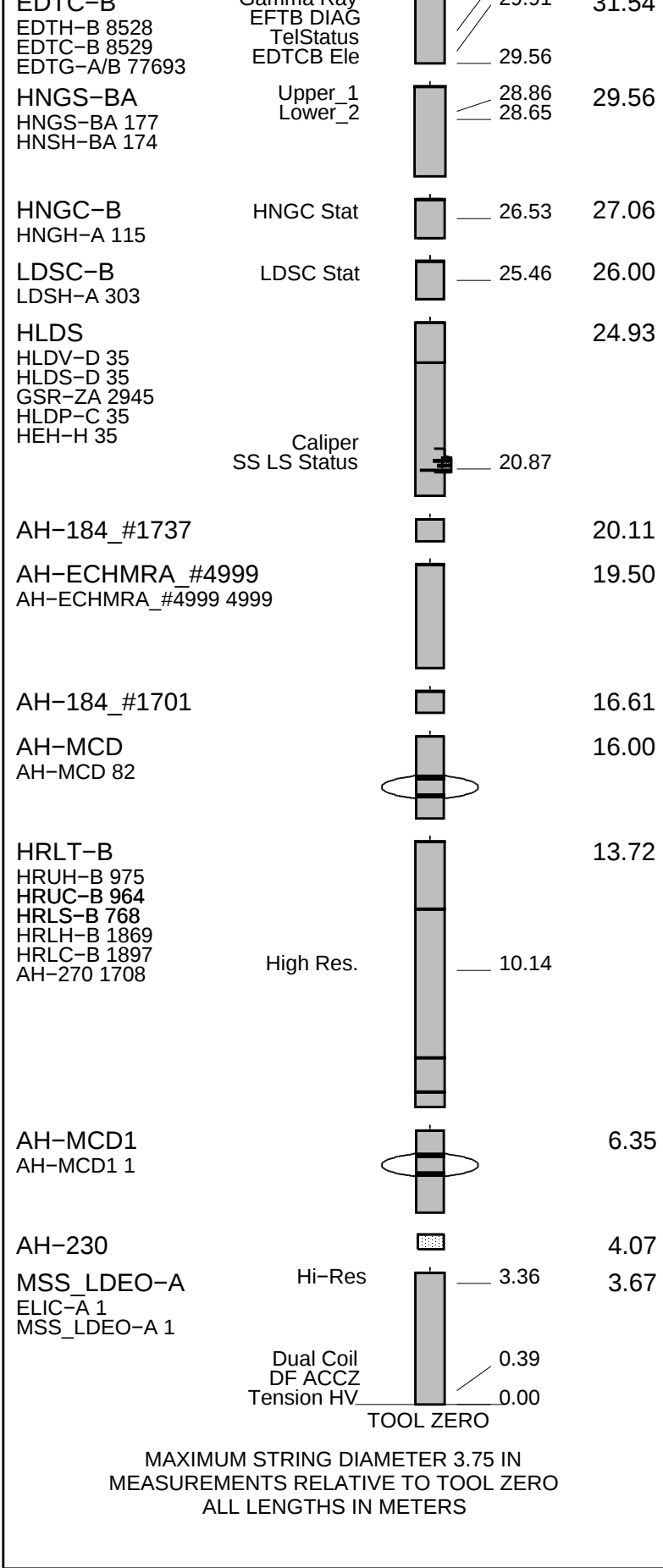
DOWNHOLE EQUIPMENT

LEH-OT		32.87
--------	---	-------

LEH-QT 301 MDSB EDTC

Well	MOB-EDTS	MOB-EDTS	MOB-EDTS	MOB-EDTS	MOB-EDTS
	Mud Tempe.	Mud Tempe.	Mud Tempe.	Mud Tempe.	Mud Tempe.
AH-369				31.54	31.98

CTEM	30.48	22.55
Gamma Ray	29.91	21.54



	(in)	(m)		(m)	(in)	
--	------	-----	--	-----	------	--

Production String	OD	ID	MD	Well Schematic	MD	OD	ID	Casing String
Kelly Bushing Elevation Derrick Floor Elevation Mean Sea Level			0.0 0.0 11.0		0.0 5023.4 5051.5 5083.4 5595.0 5595.0 5708.2	5.500 10.750 5.500 16.000 10.750 9.875 9.875	4.125 10.050 4.125 10.050	Drill Floor Sea Floor Bit Outer Casing Shoe Inner Casing Shoe Total Depth – Driller



Downlog

MAXIS Field Log

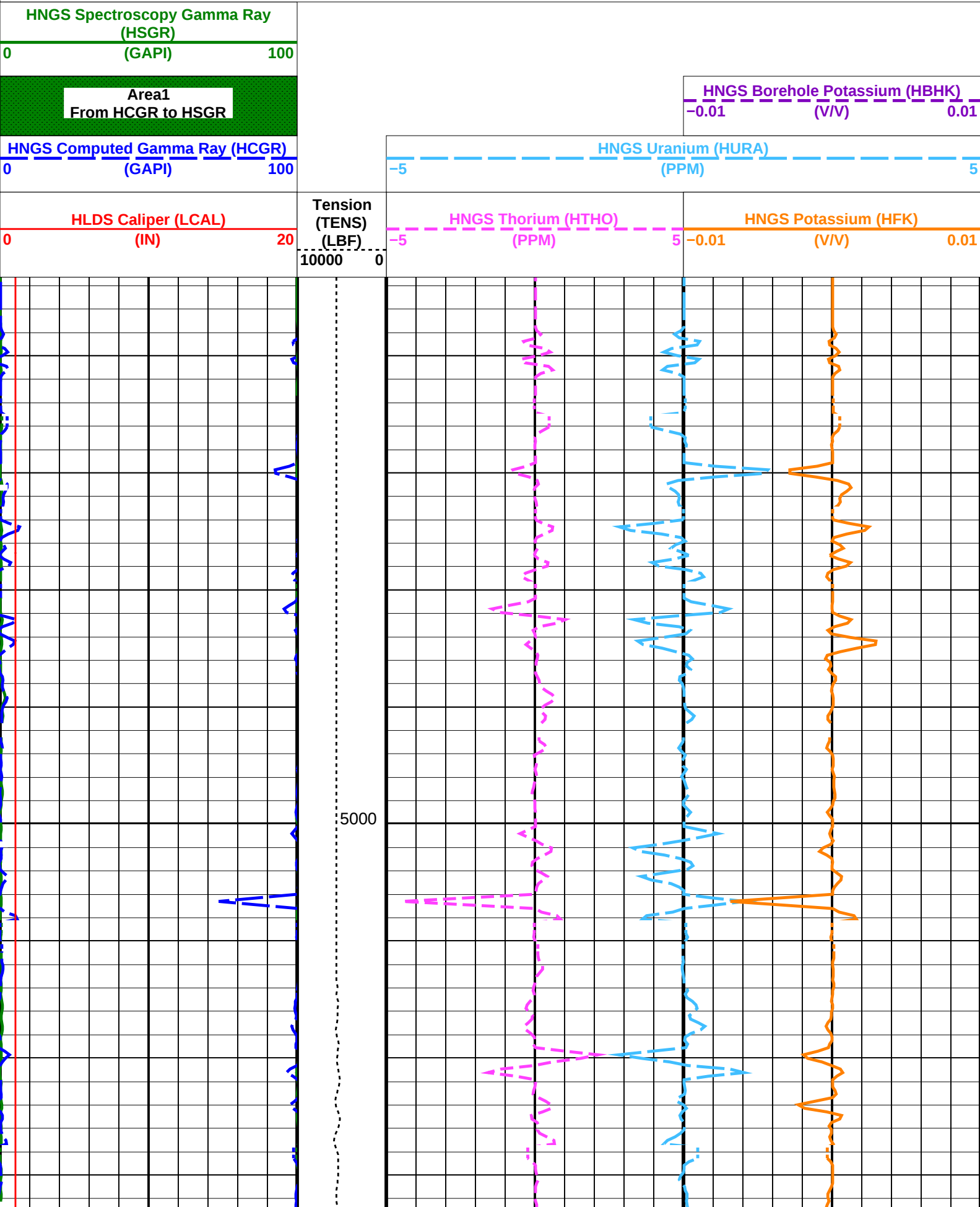
Company: International Ocean Discovery ProgramWell: Expedition 390, Site U1557D

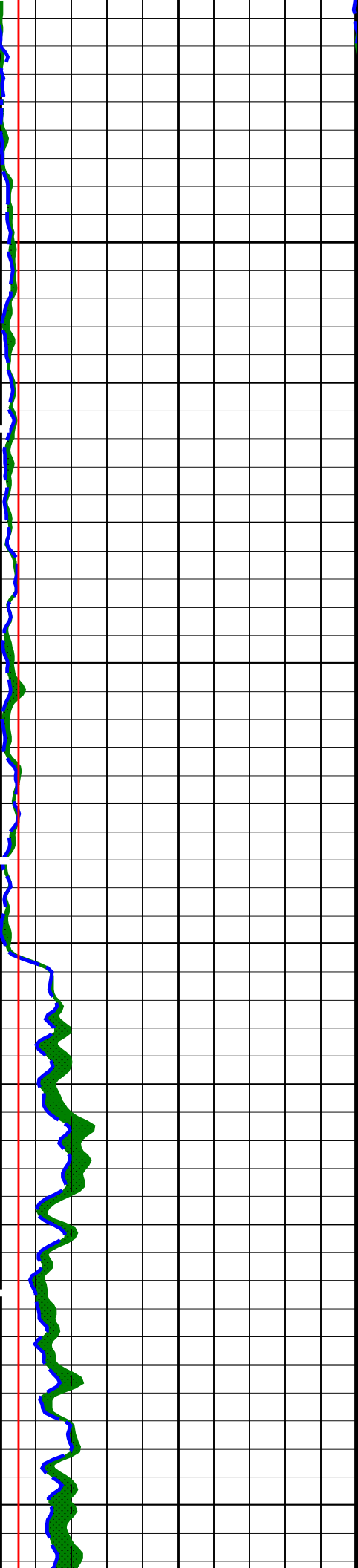
Input DLIS Files						
DEFAULT	Flip_MSS_LDEO_HRLA_012LUP	PRODUCER	18-May-2022 02:49	5679.3 M	4976.6 M	
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_013PUP	FN:17	PRODUCER	18-May-2022 02:49	5679.2 M	4976.6 M
RTB	MSS_LDEO_HRLA_LDL_013PUP	FN:18	PRODUCER	18-May-2022 02:49	5679.2 M	4976.6 M

OP System Version: 19C0-187						
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187			

PIP SUMMARY

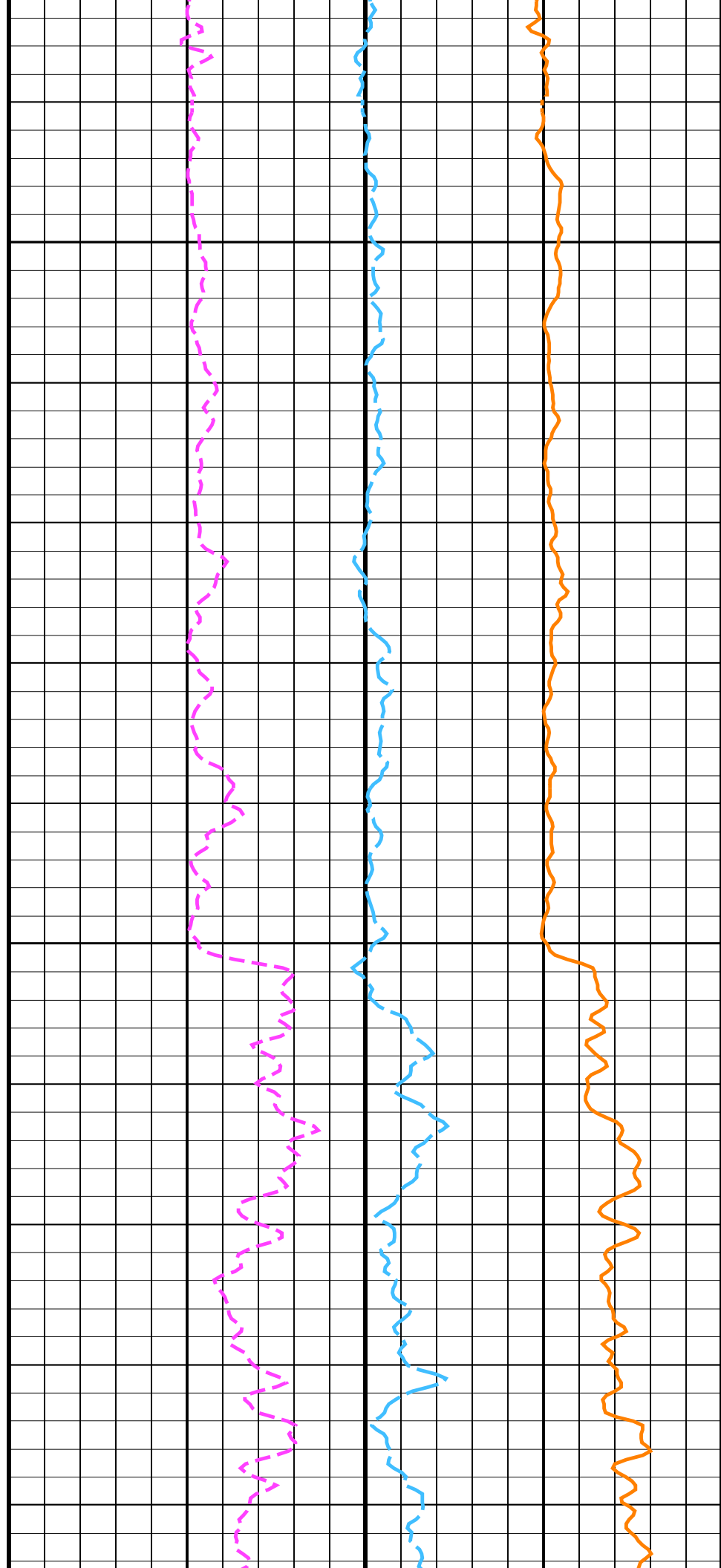
Time Mark Every 60 S

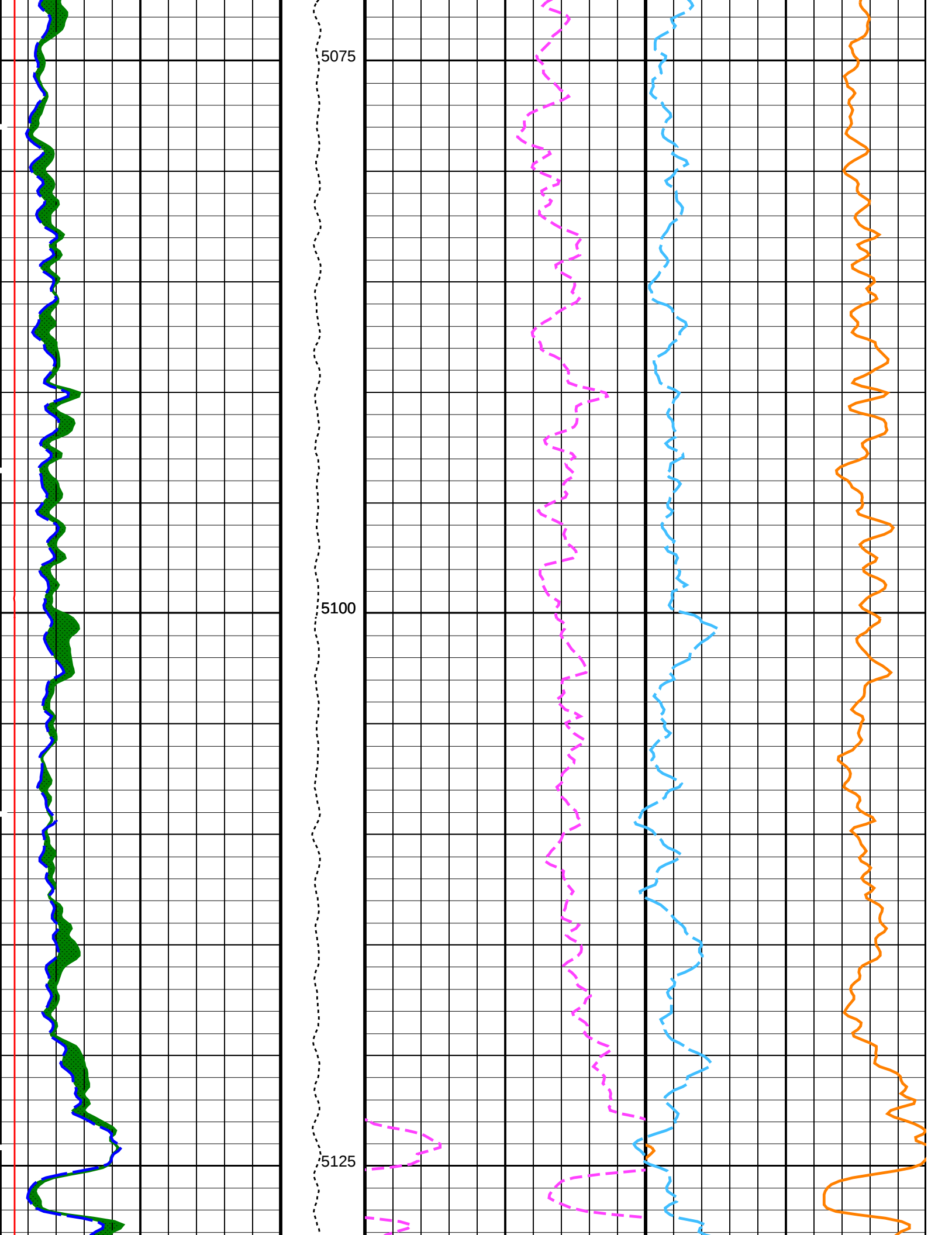


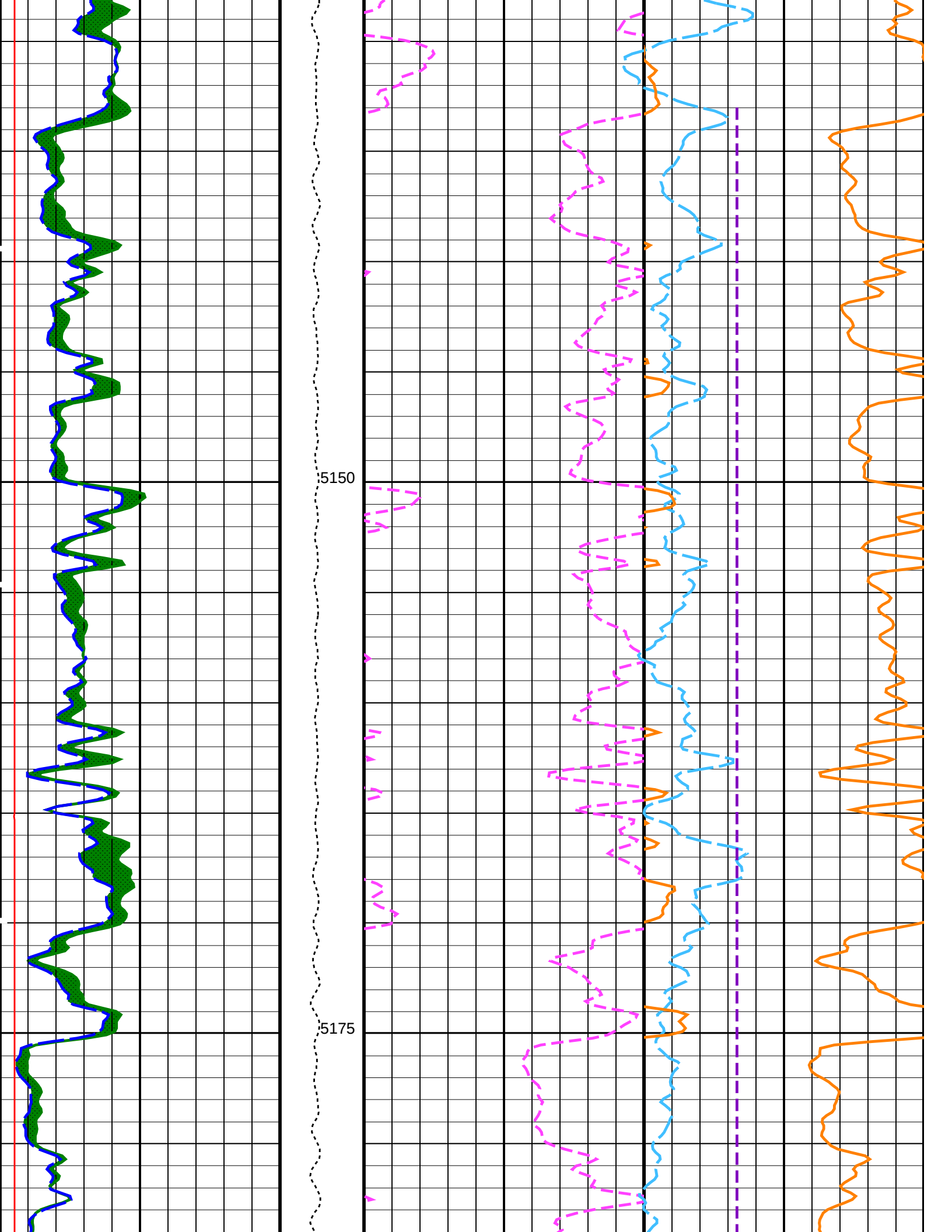


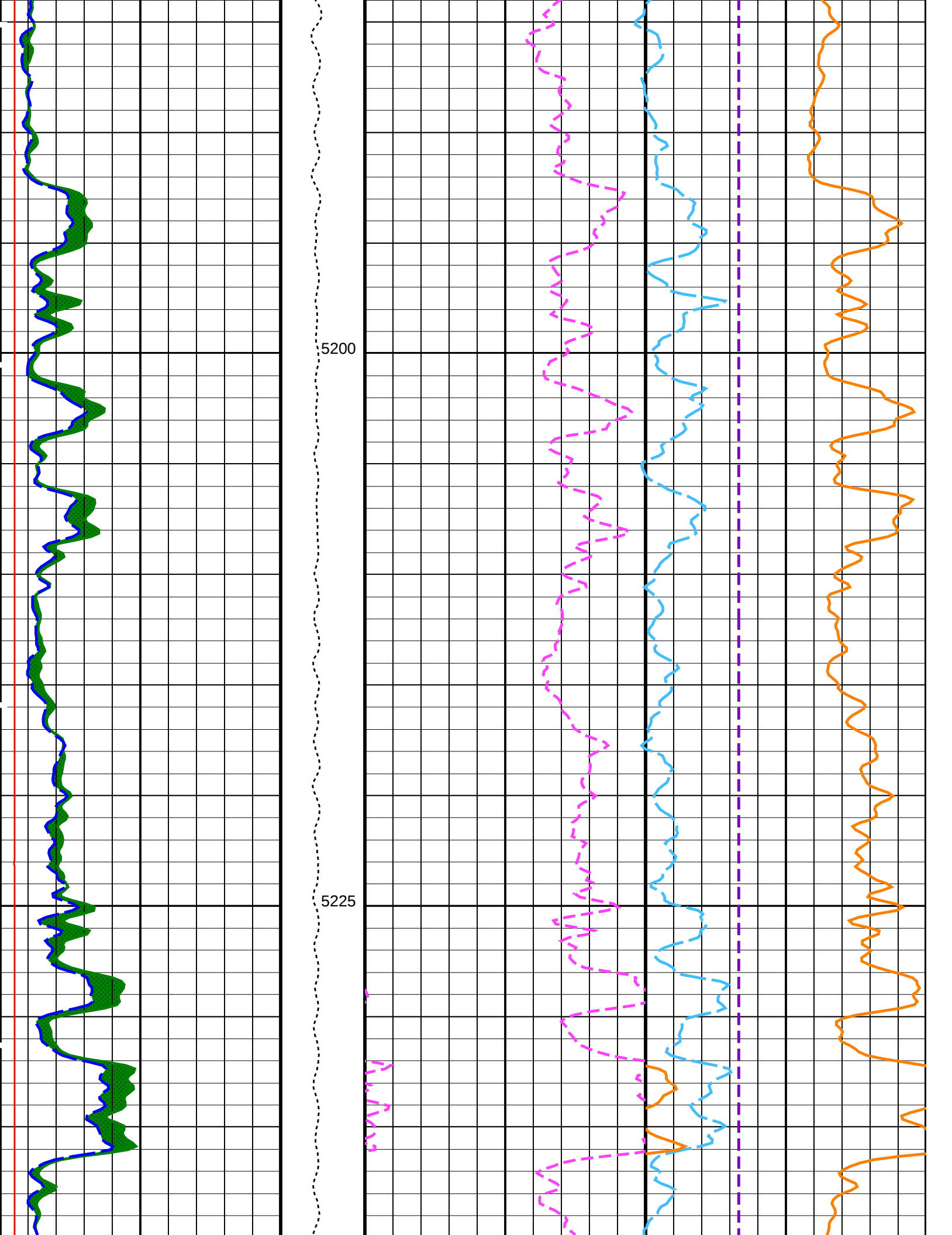
5025

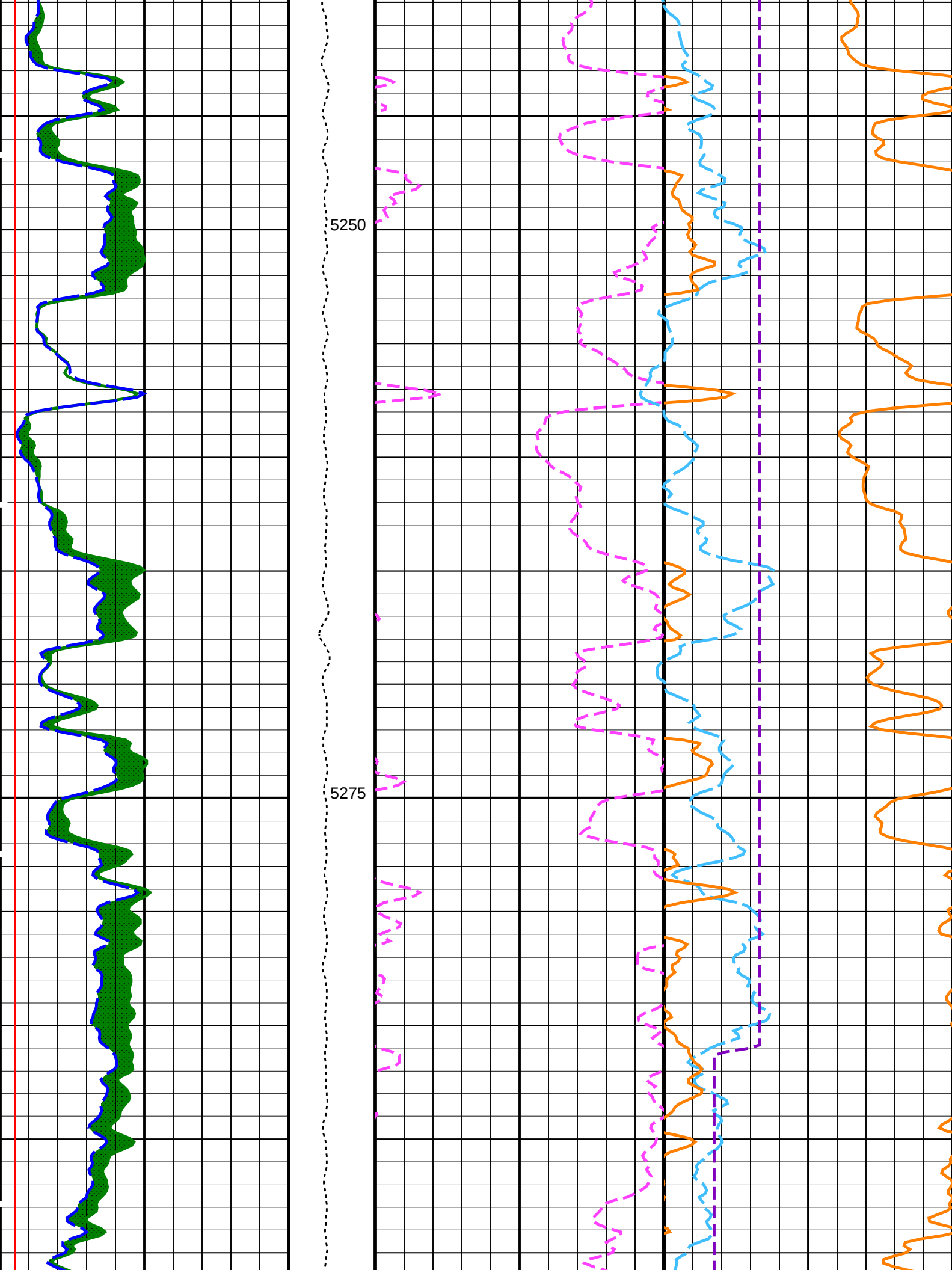
5050

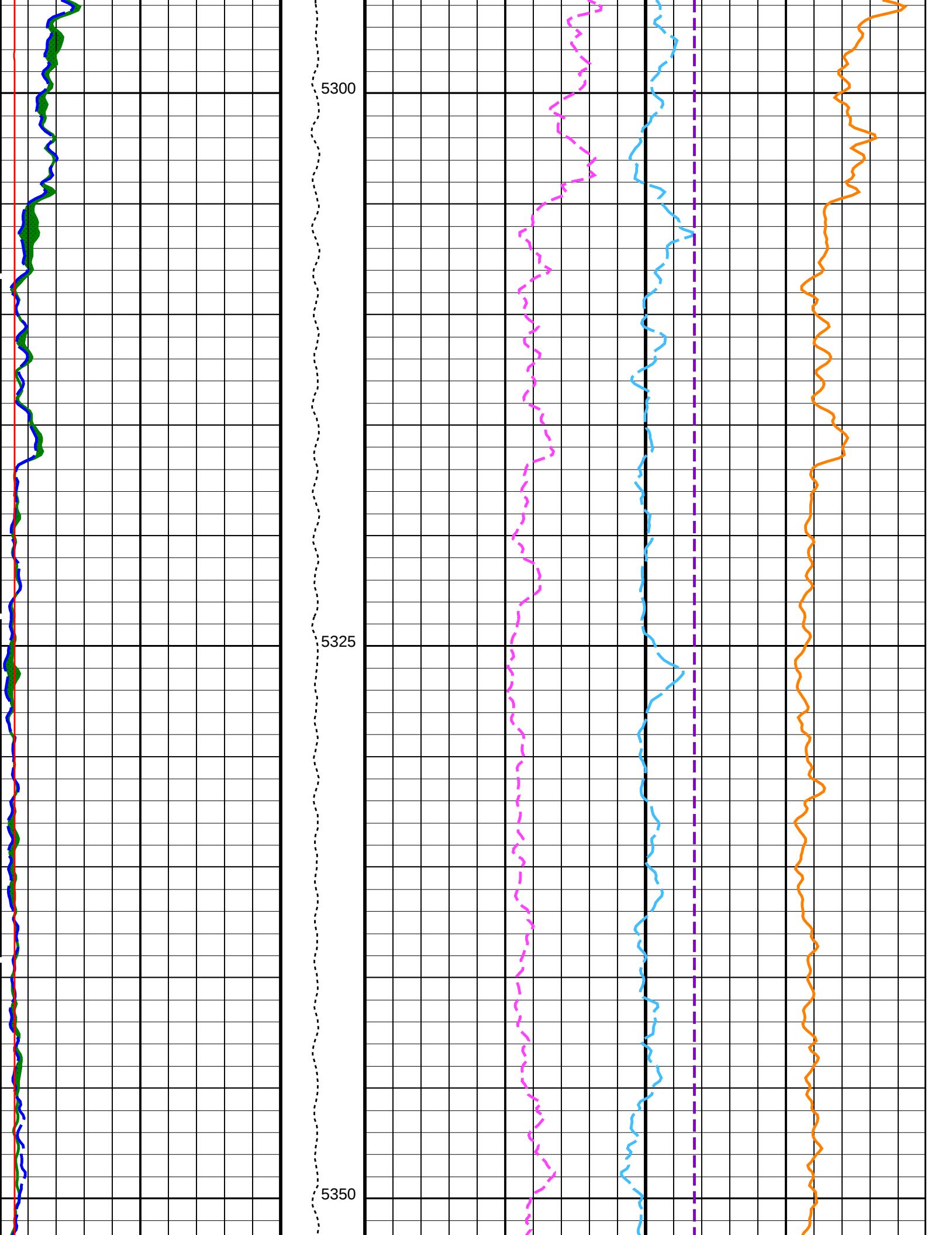


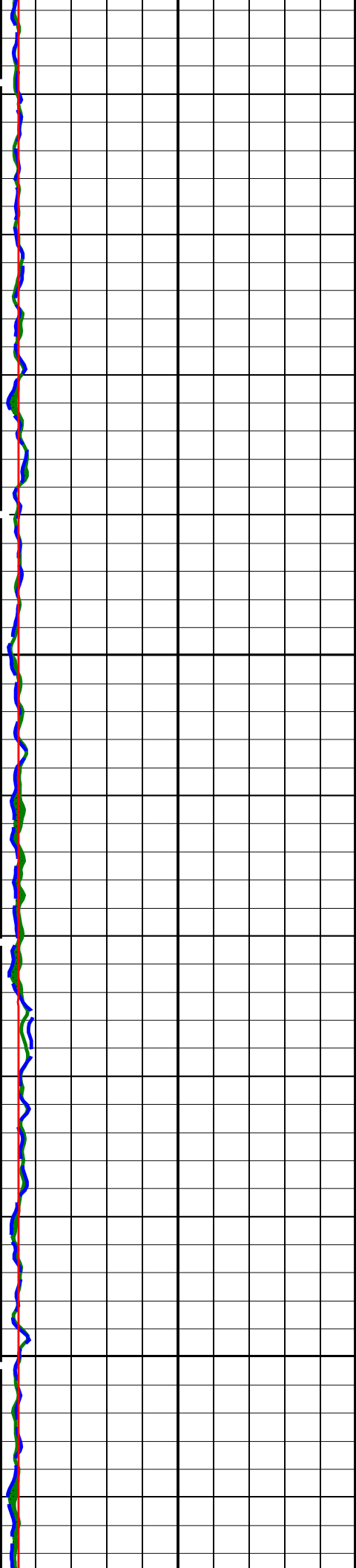






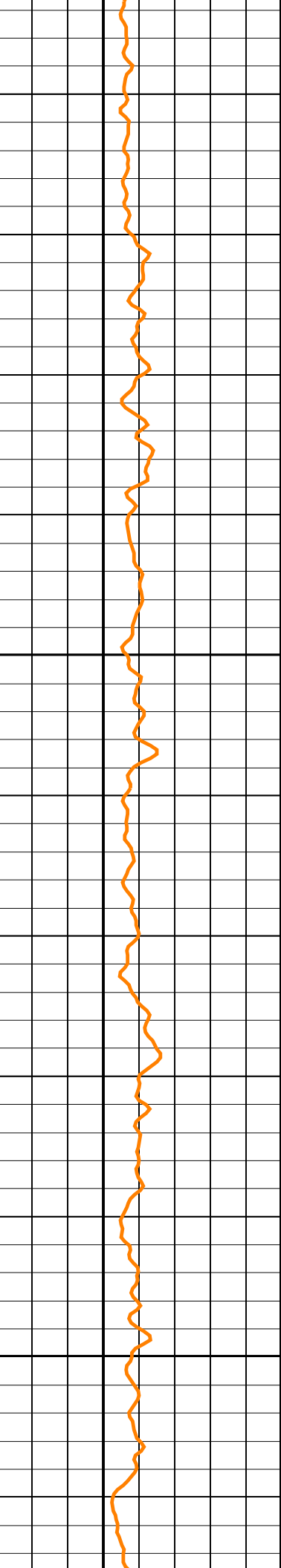
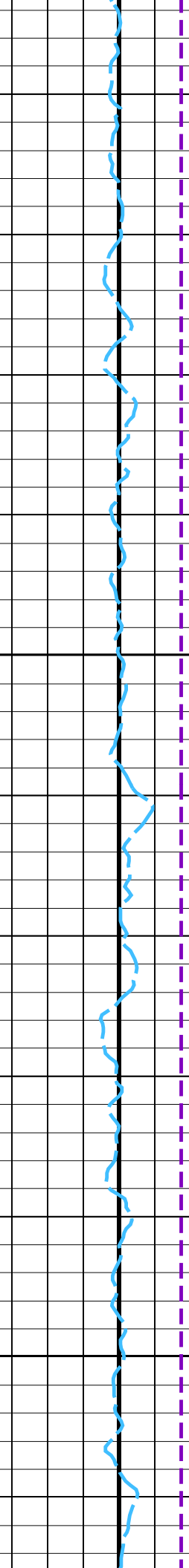
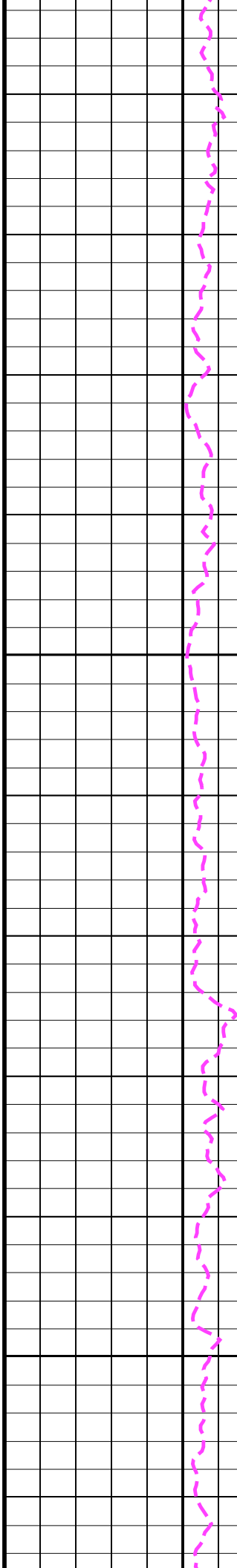


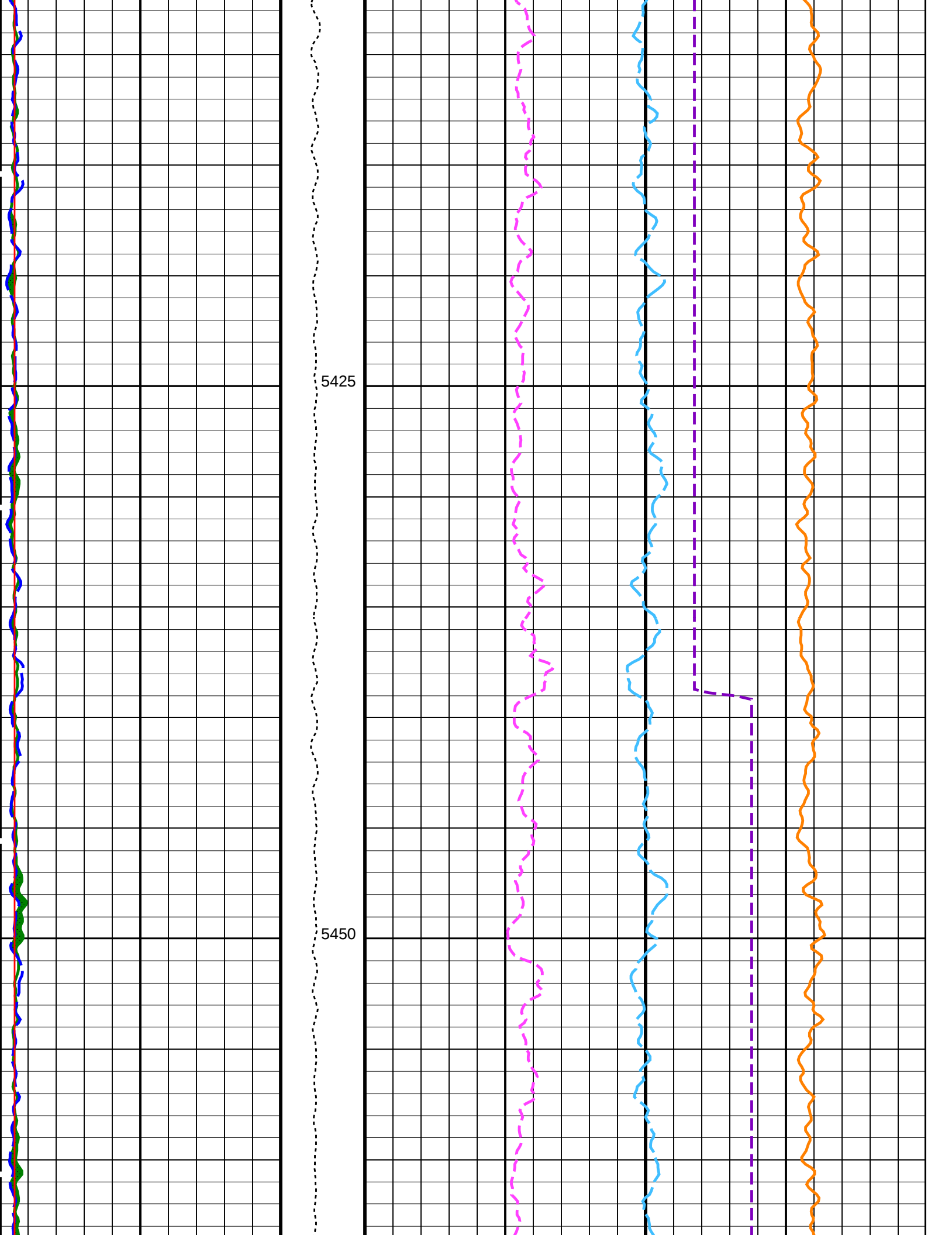


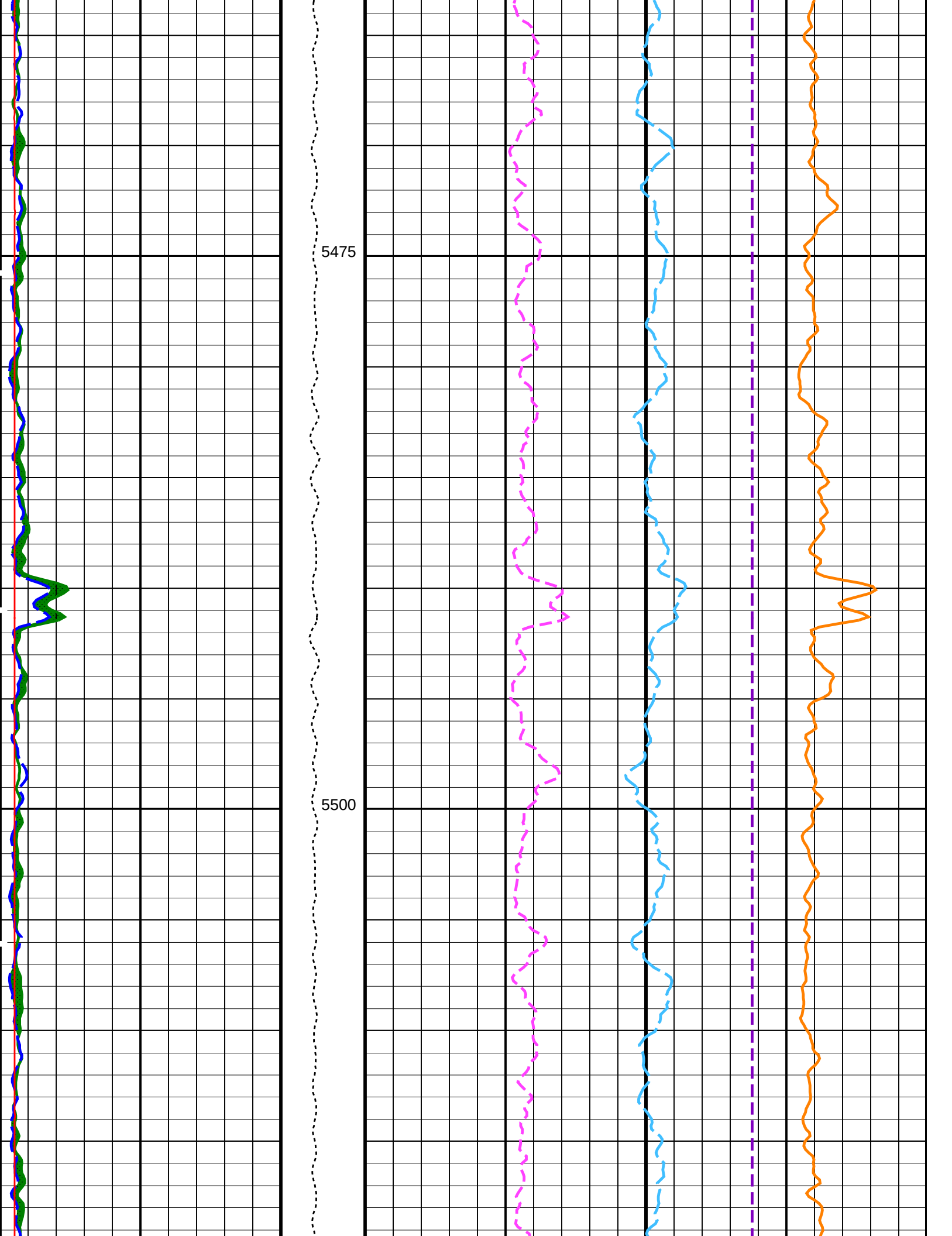


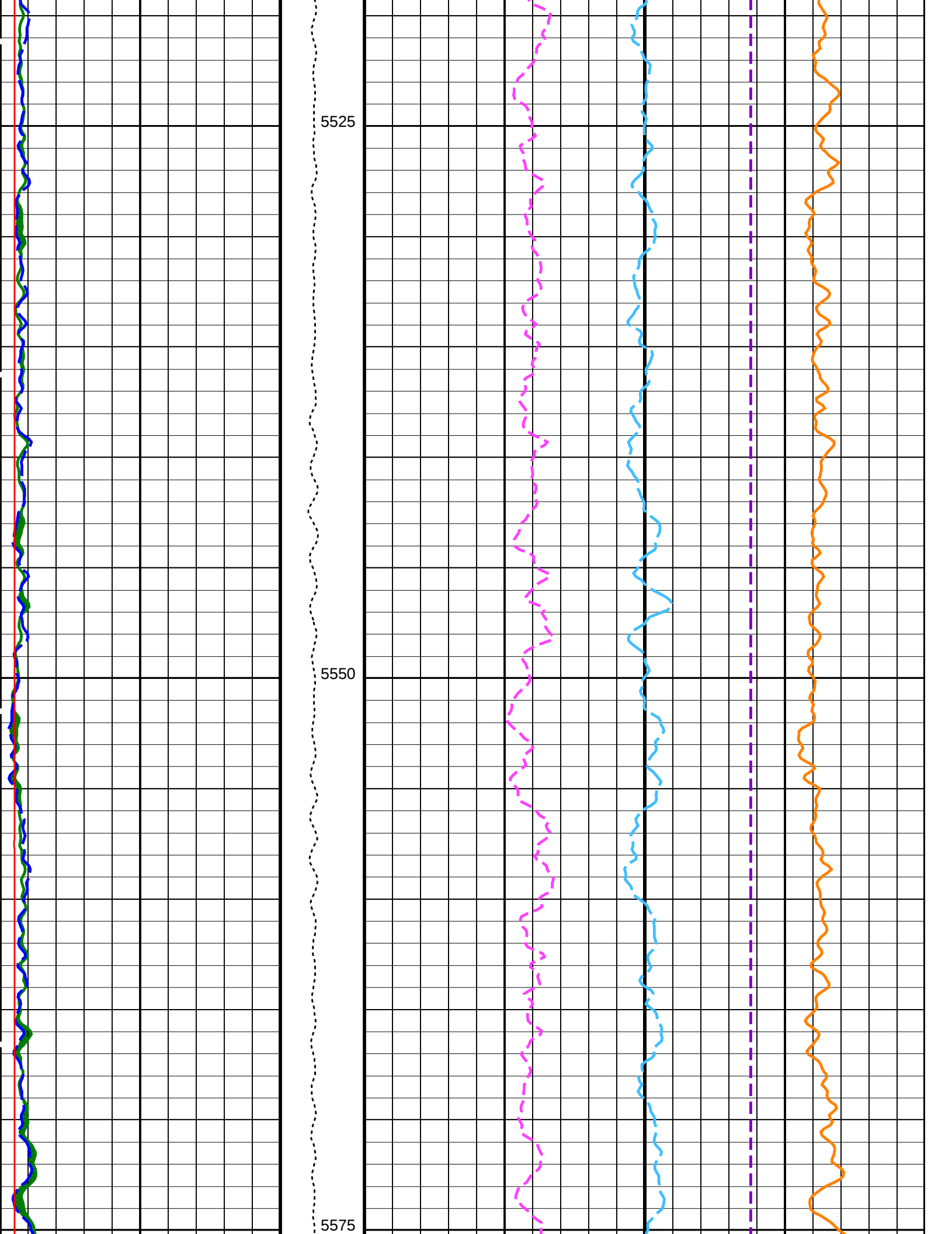
5375

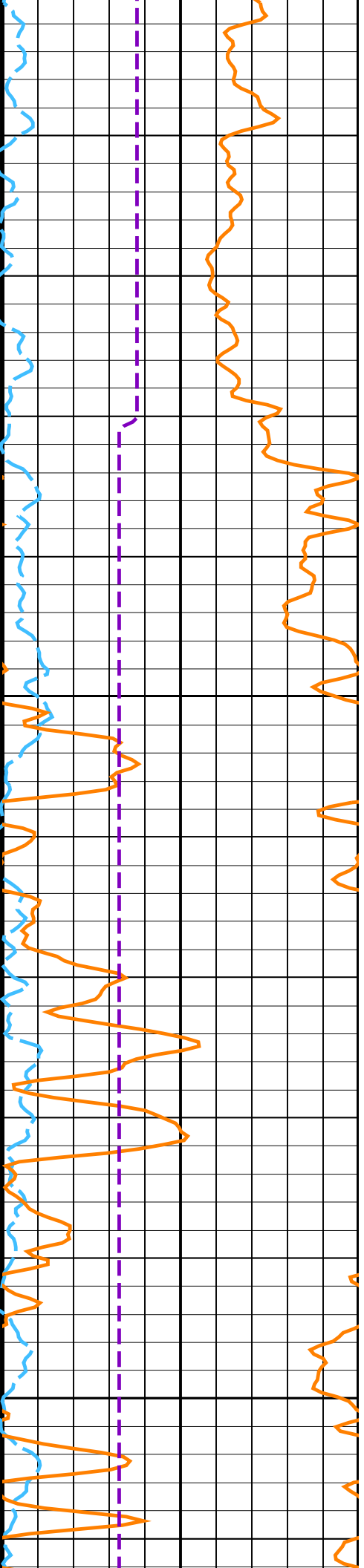
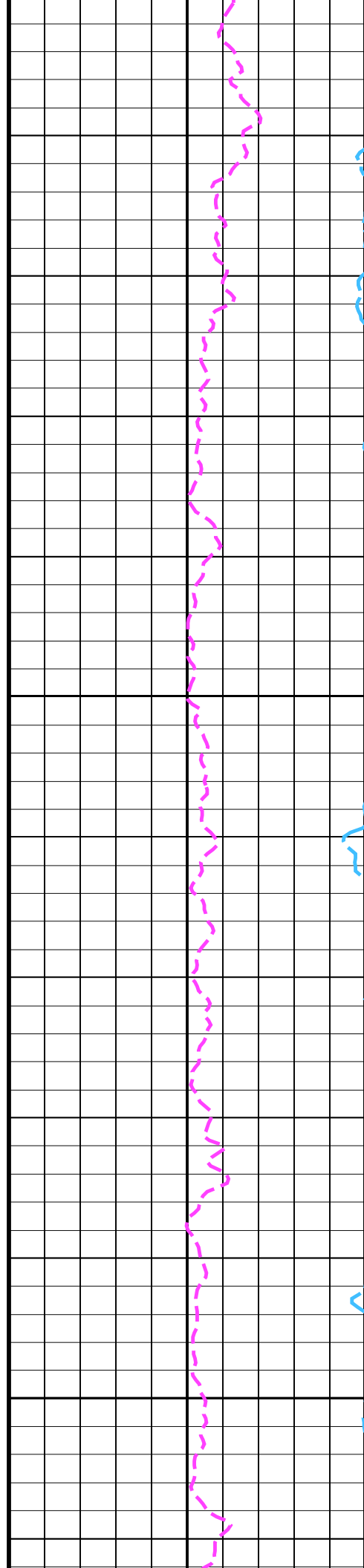
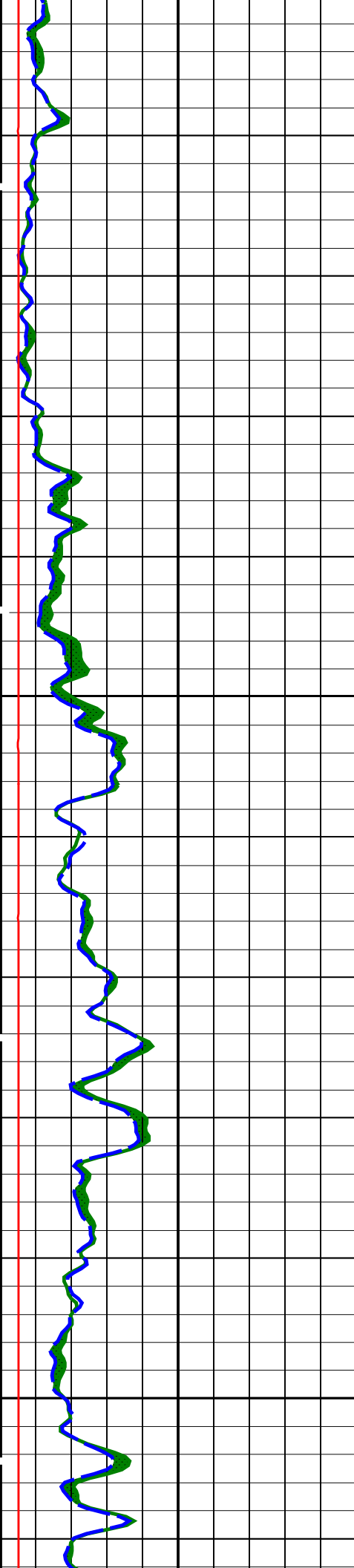
5400

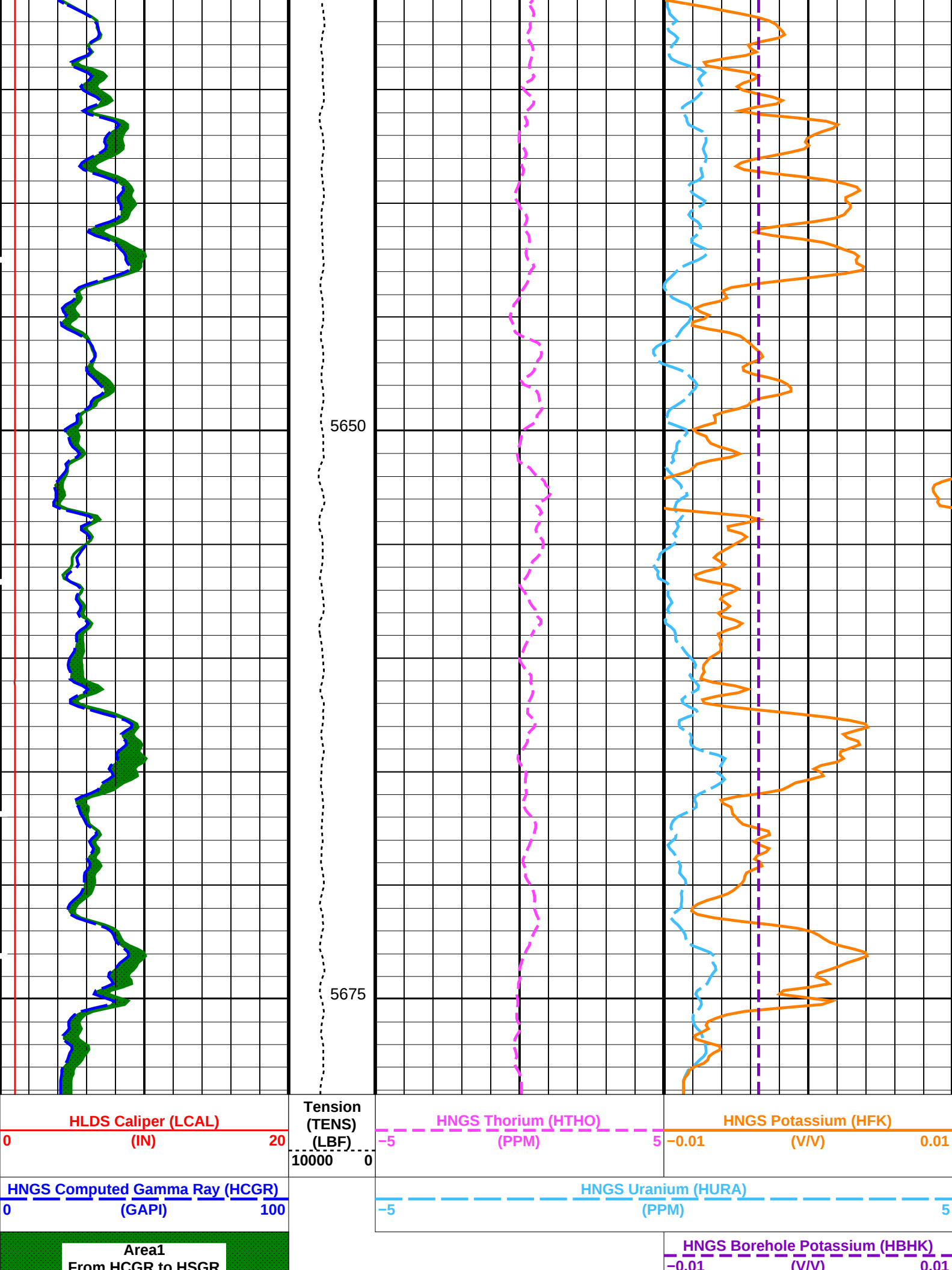




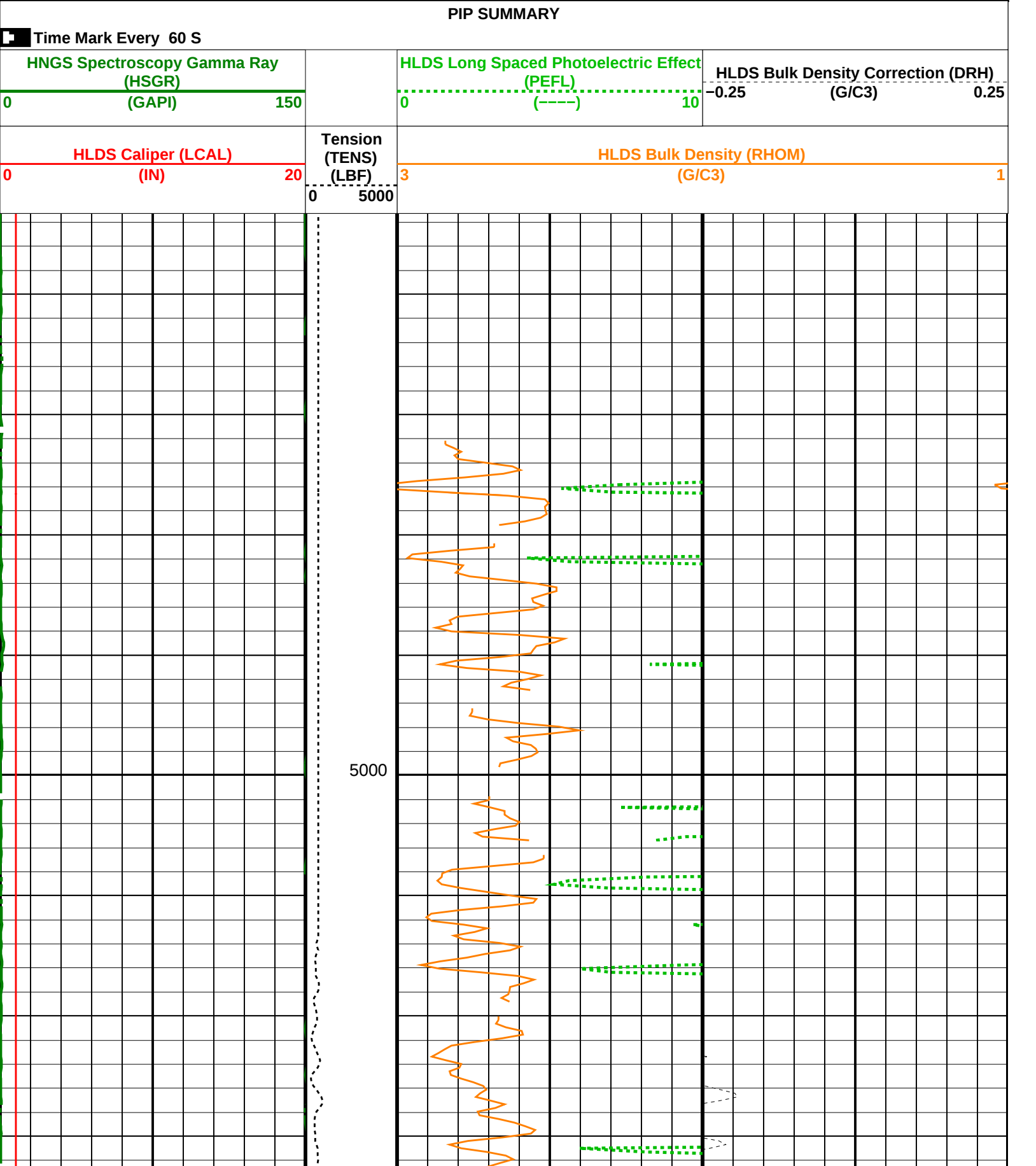


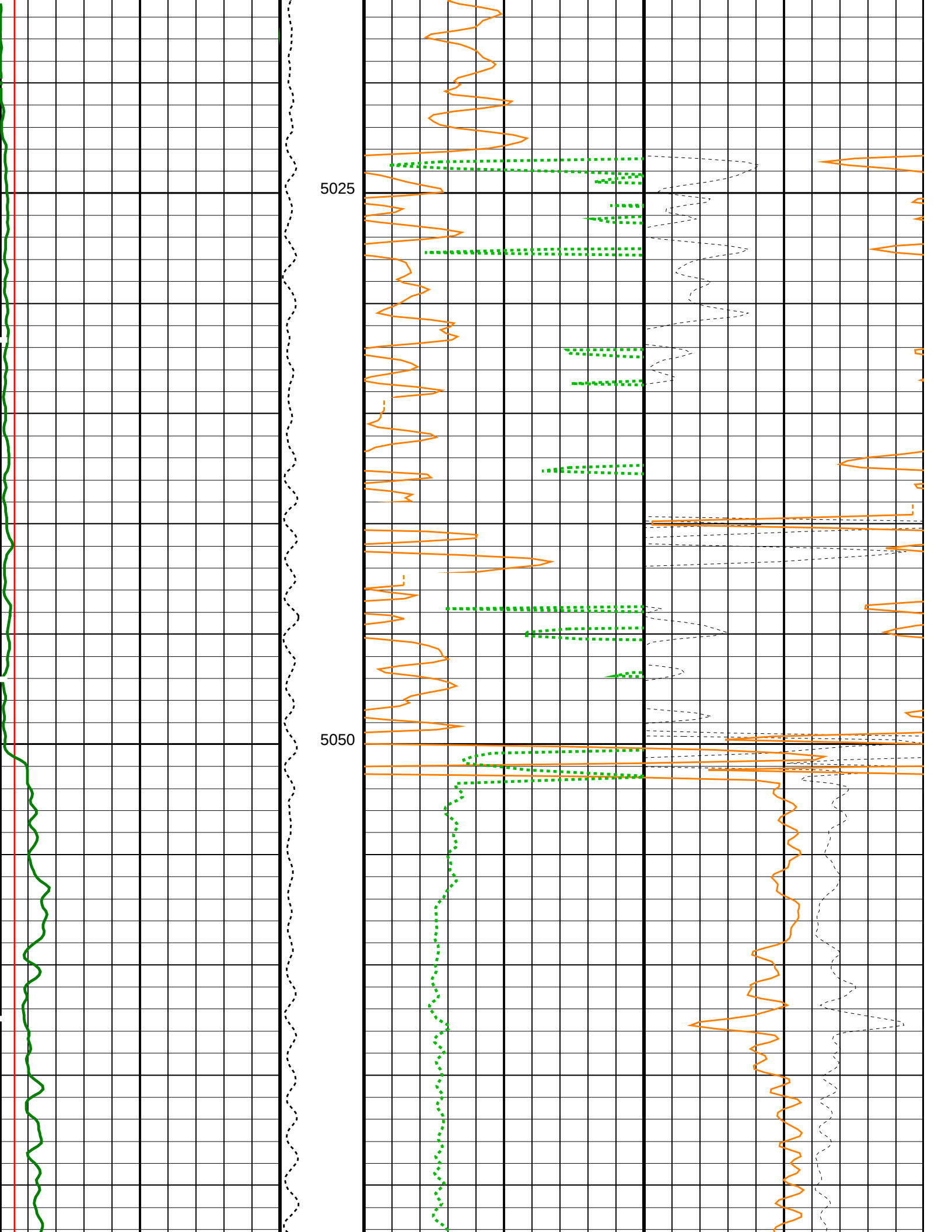


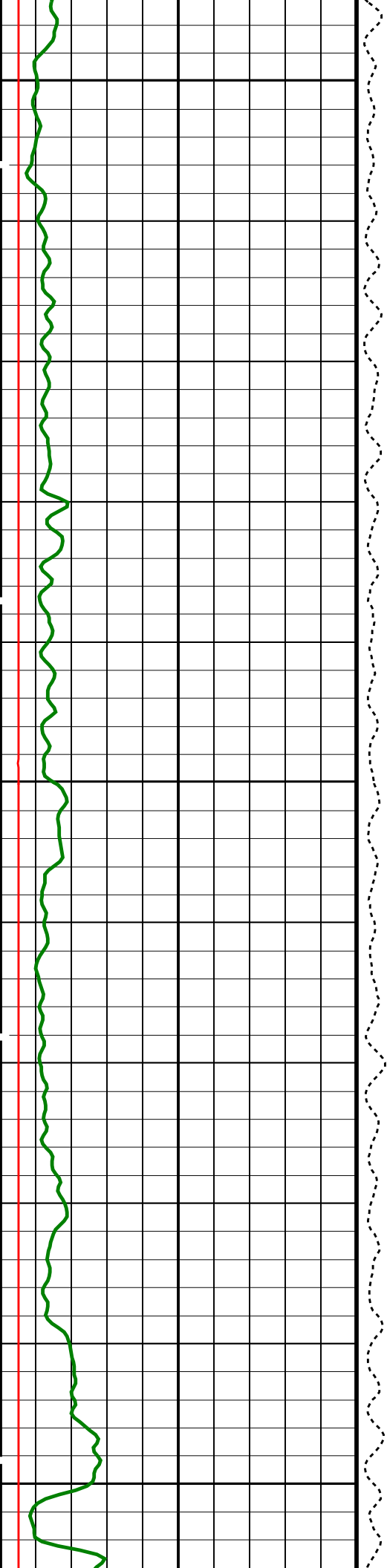




HNGS Spectroscopy Gamma Ray (HSGR)			
0	(GAPI)	100	
PIP SUMMARY			
Time Mark Every 60 S			
Parameters			
DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
HNGS-BA: Hostile Natural Gamma Ray Sonde			
BAR1	HNGS 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	-0.00748228	
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	1.02885	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.009	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	
Format: HNGSYields		Vertical Scale: 1:200	
		Graphics File Created: 18-May-2022 02:49	
OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		
Input DLIS Files			
DEFAULT	Flip_MSS_LDEO_HRLA_012LUP	PRODUCER	18-May-2022 02:49 5679.3 M 4976.6 M
Output DLIS Files			
DEFAULT	MSS_LDEO_HRLA_LDL_013PUP	FN:17	PRODUCER 18-May-2022 02:49
RTB	MSS_LDEO_HRLA_LDL_013PUP	FN:18	PRODUCER 18-May-2022 02:49
Company: International Ocean Discovery Program			
Well: Expedition 390, Site U1557D			
Input DLIS Files			
DEFAULT	Flip_MSS_LDEO_HRLA_012LUP	PRODUCER	18-May-2022 02:49 5679.3 M 4976.6 M
Output DLIS Files			
DEFAULT	MSS_LDEO_HRLA_LDL_013PUP	FN:17	PRODUCER 18-May-2022 02:49 5679.2 M 4976.6 M



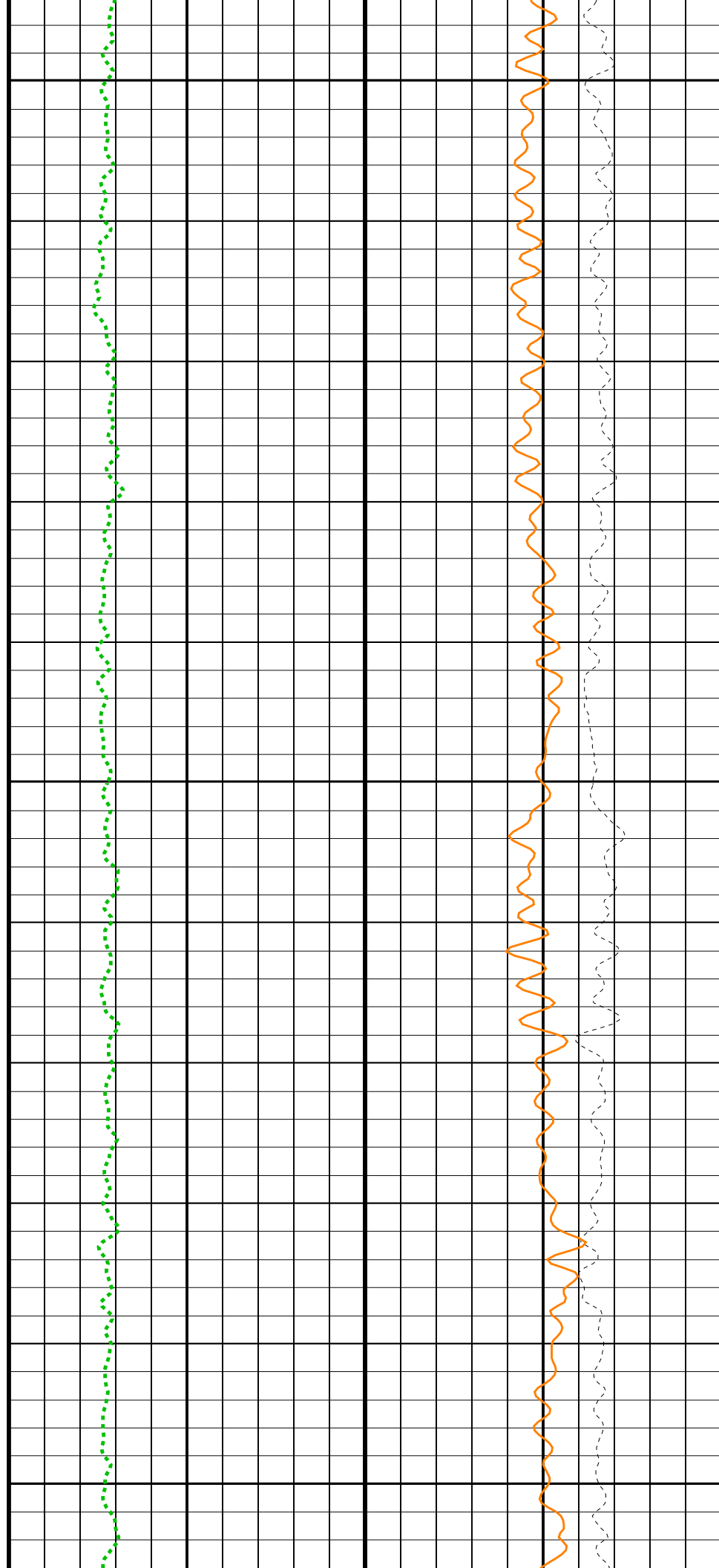


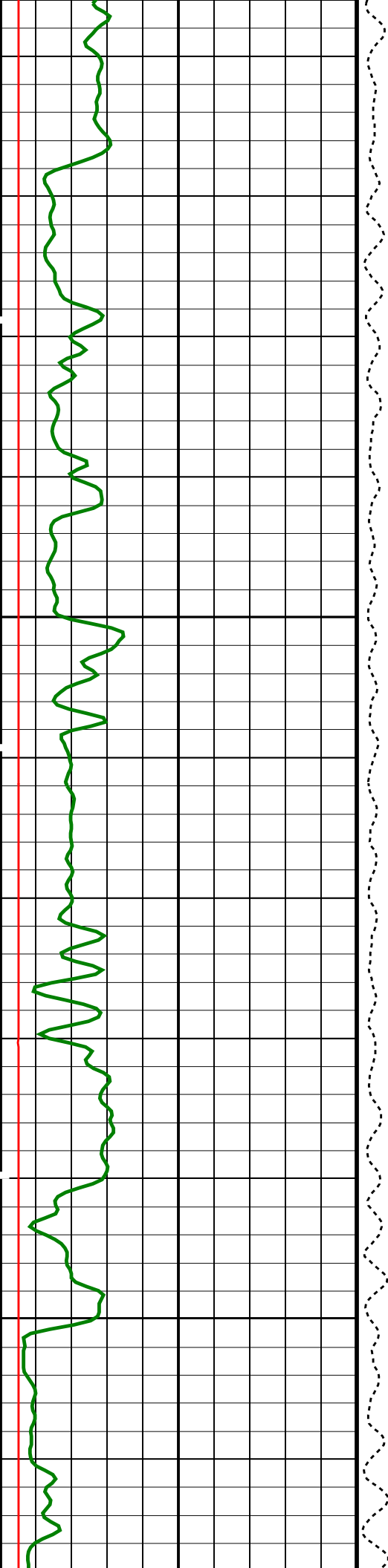


5075

5100

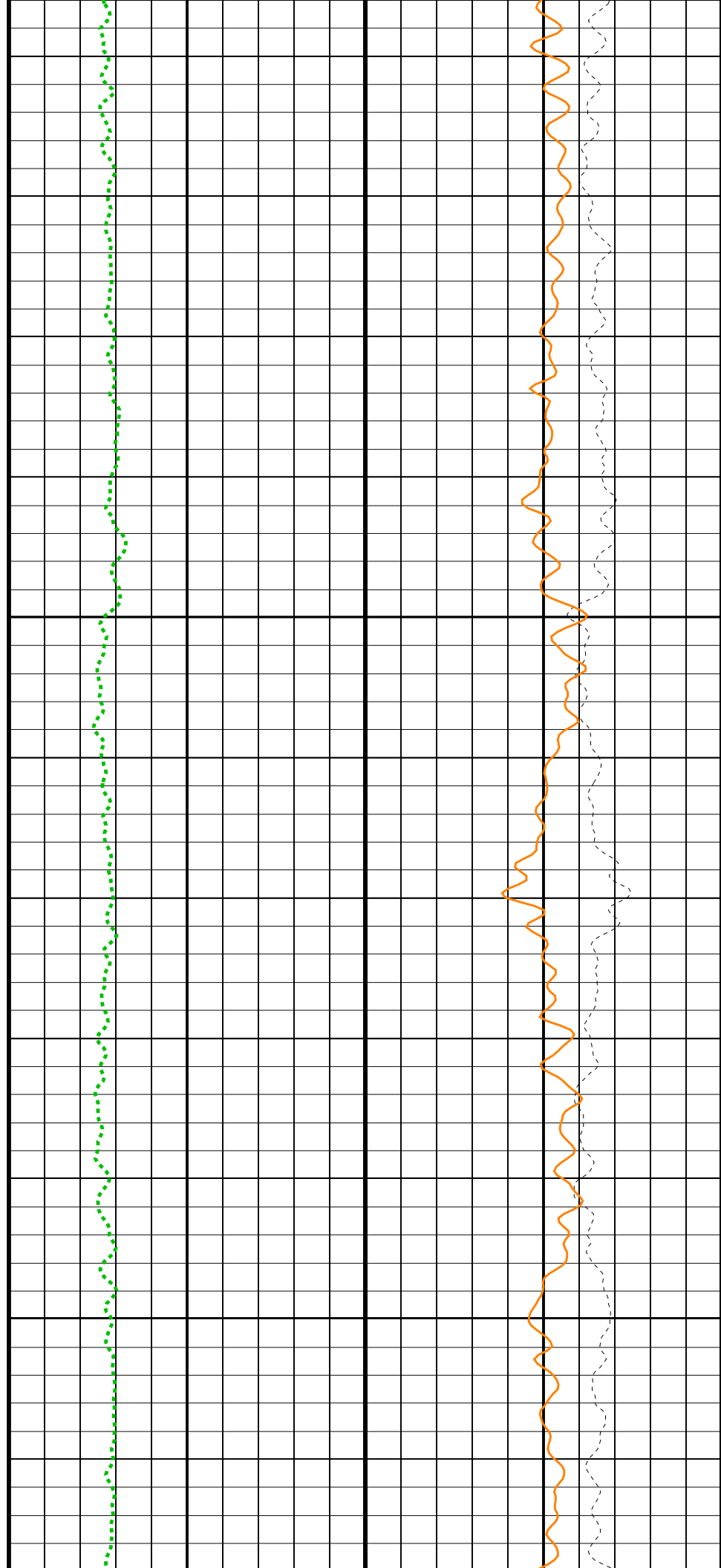
5125

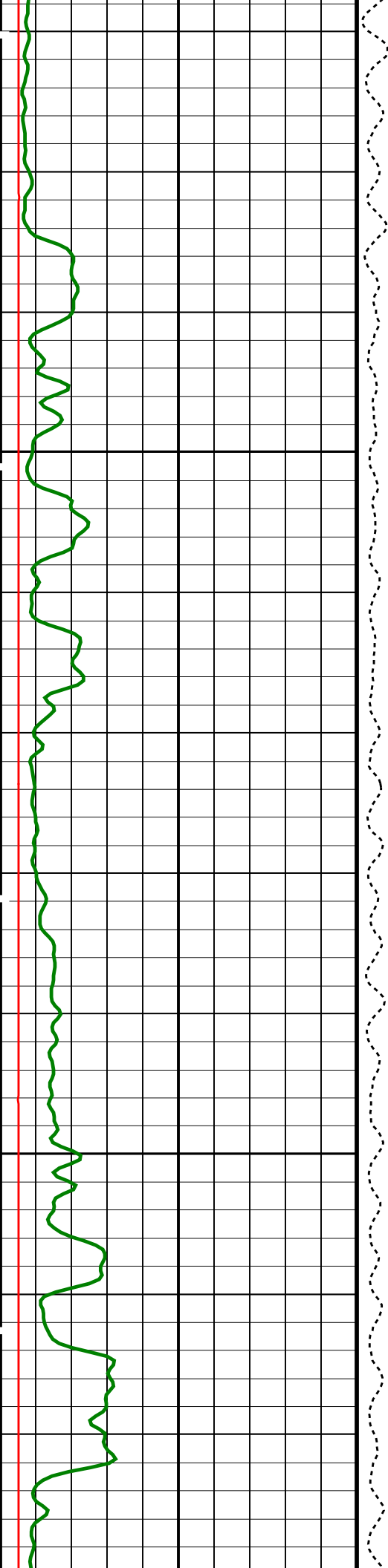




5150

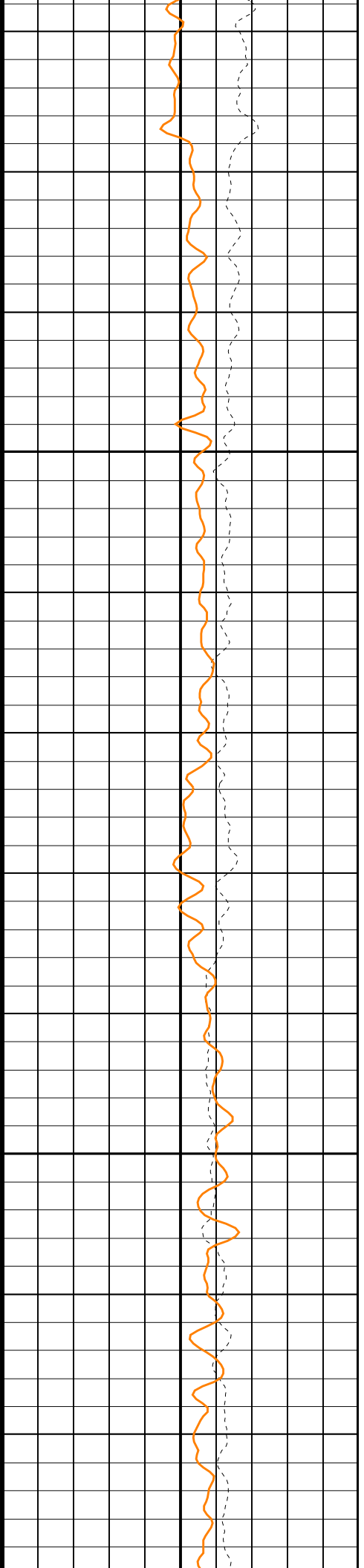
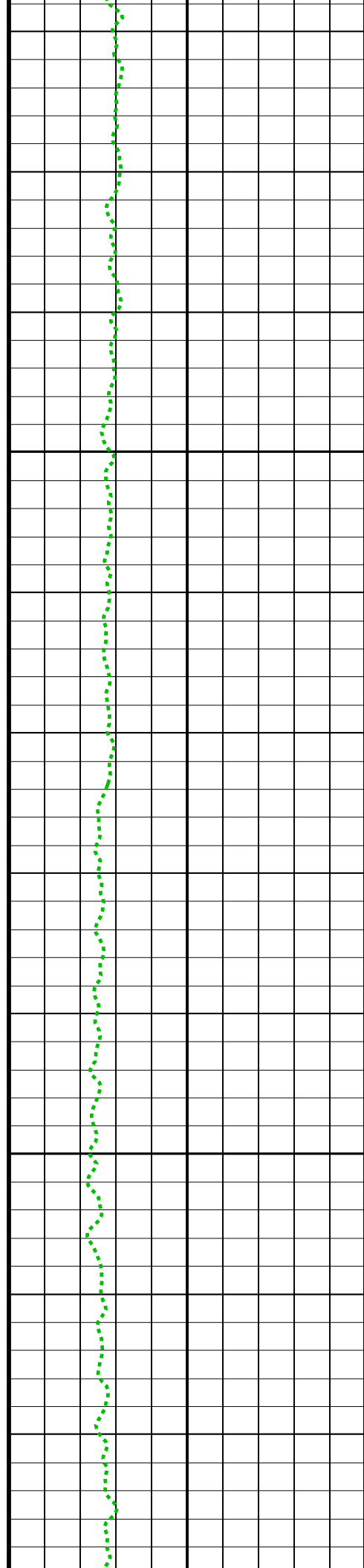
5175

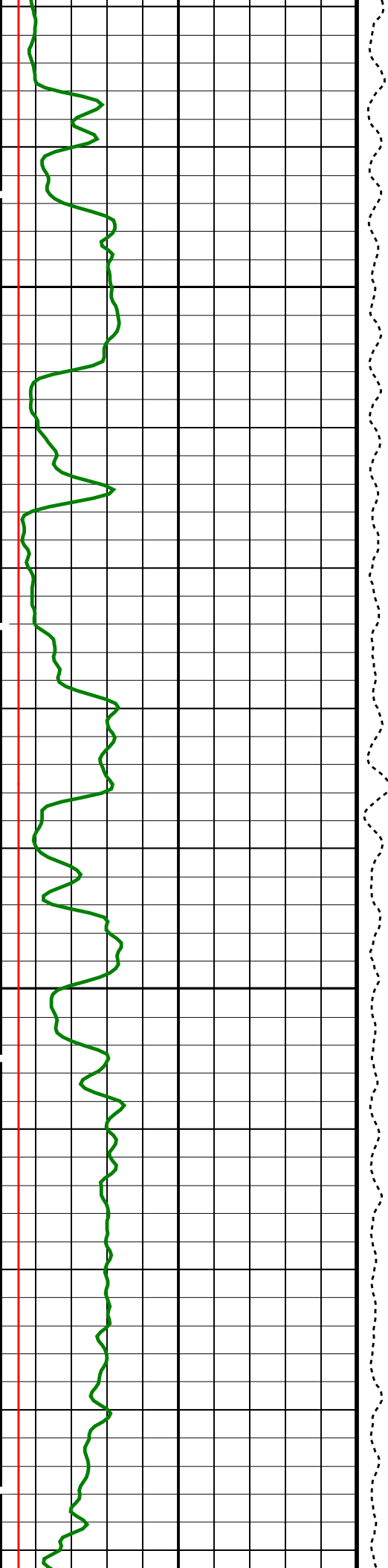




5200

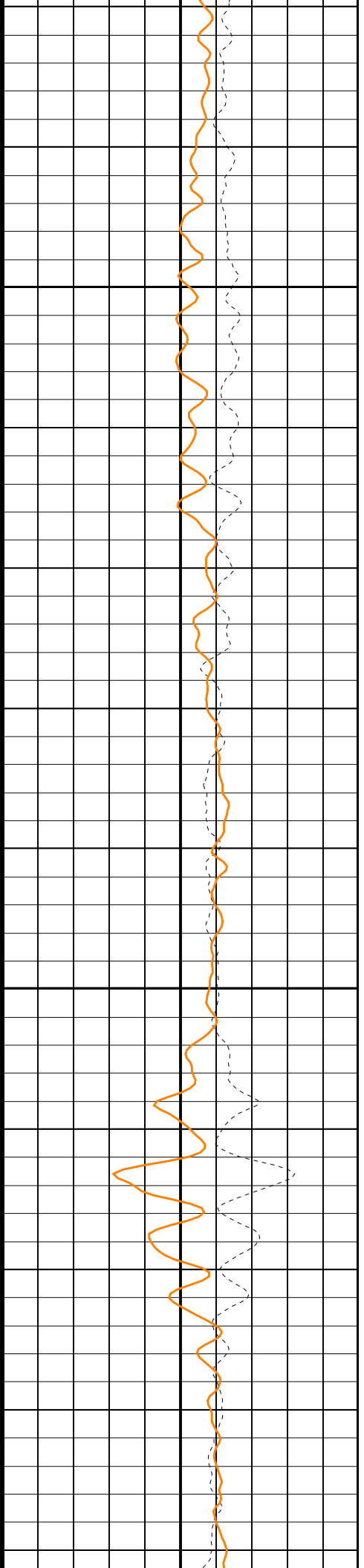
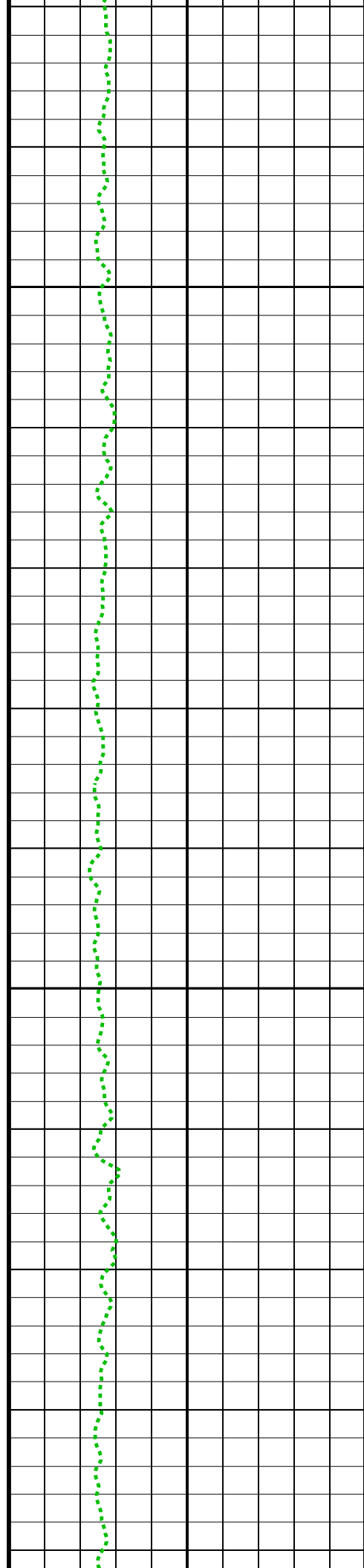
5225

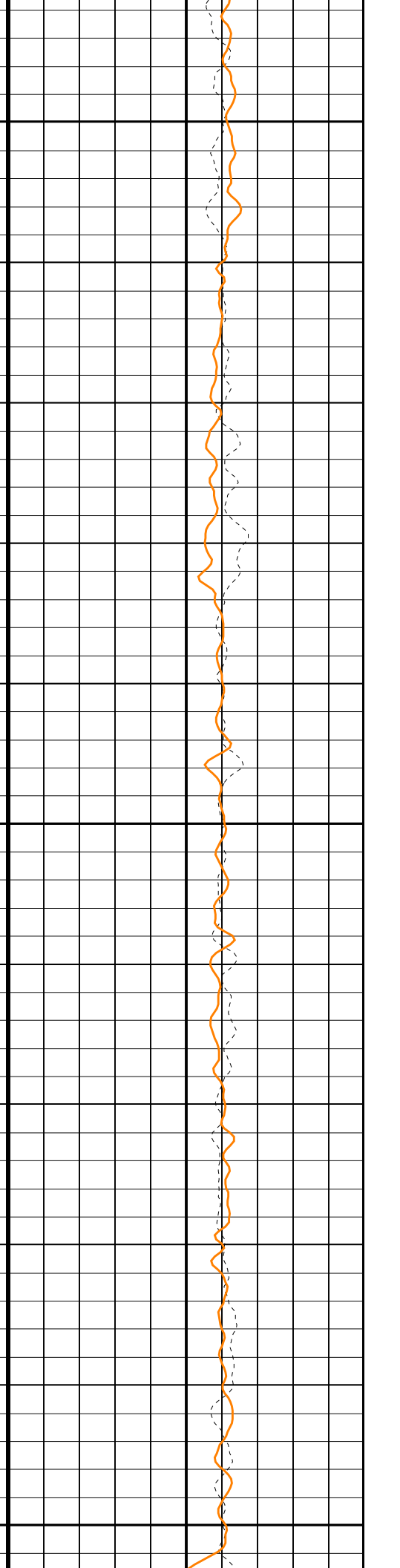
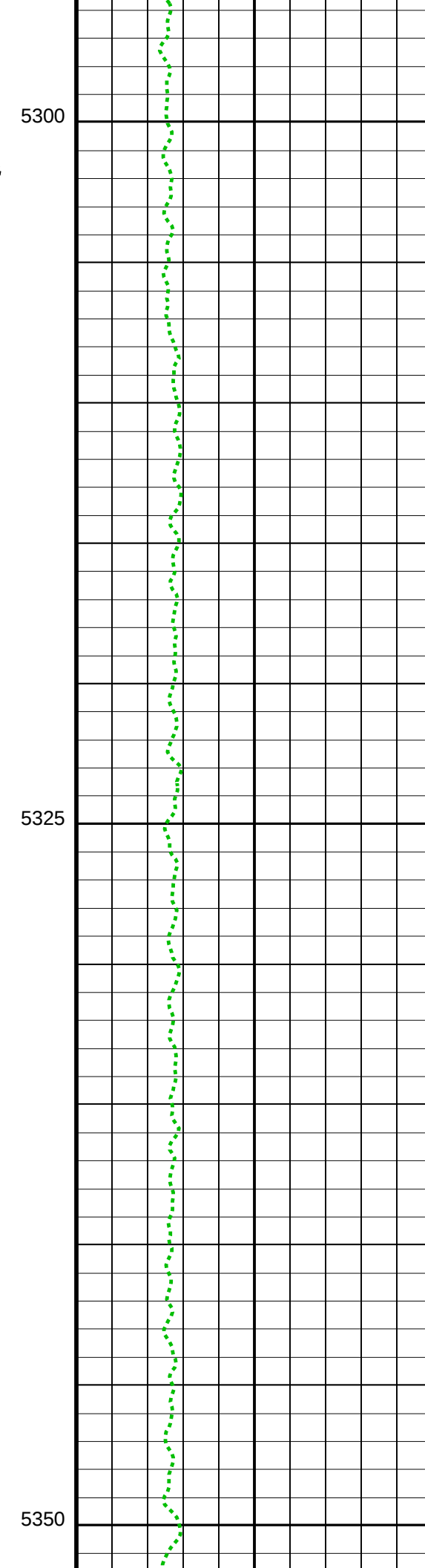
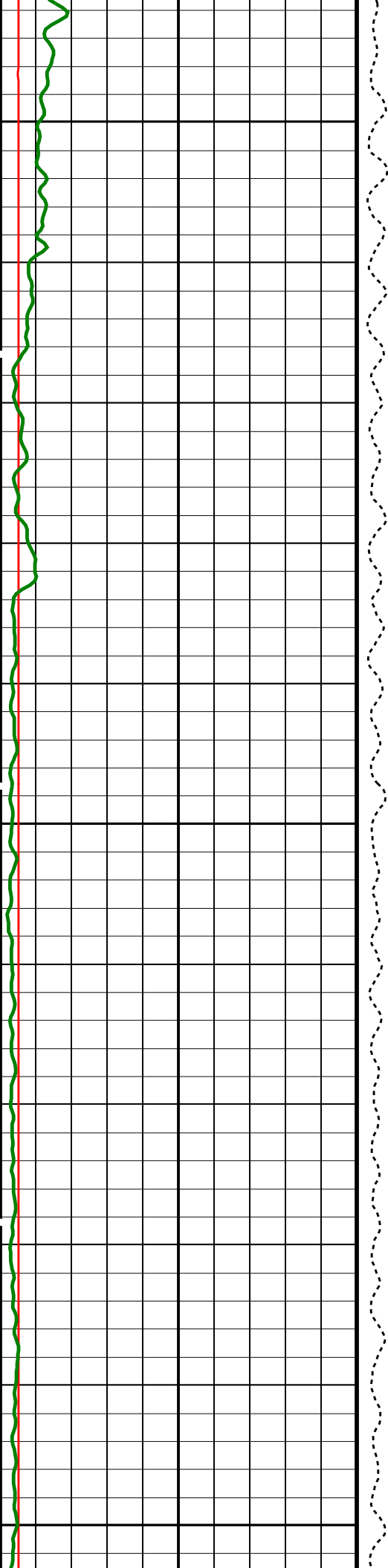


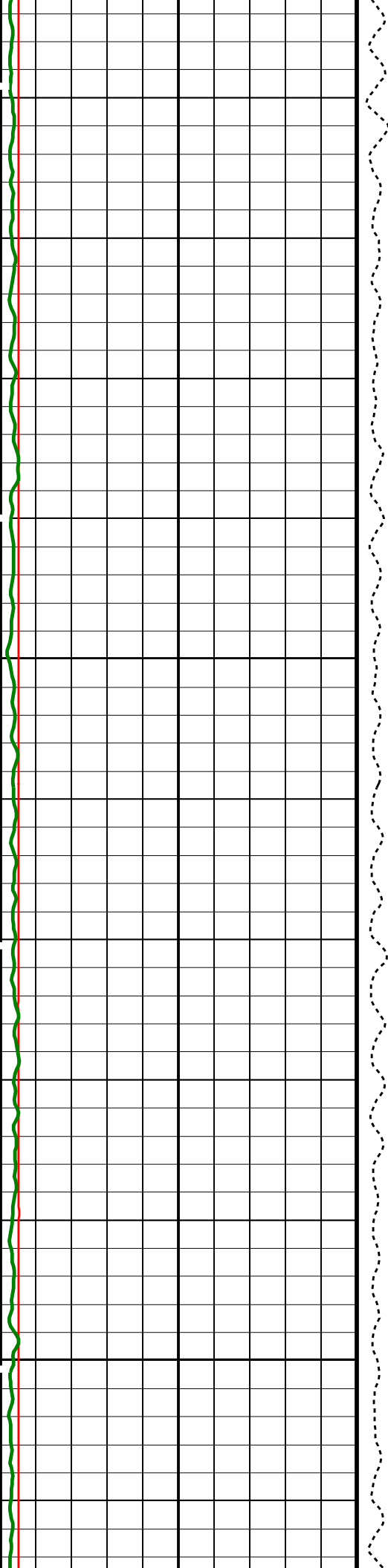


5250

5275

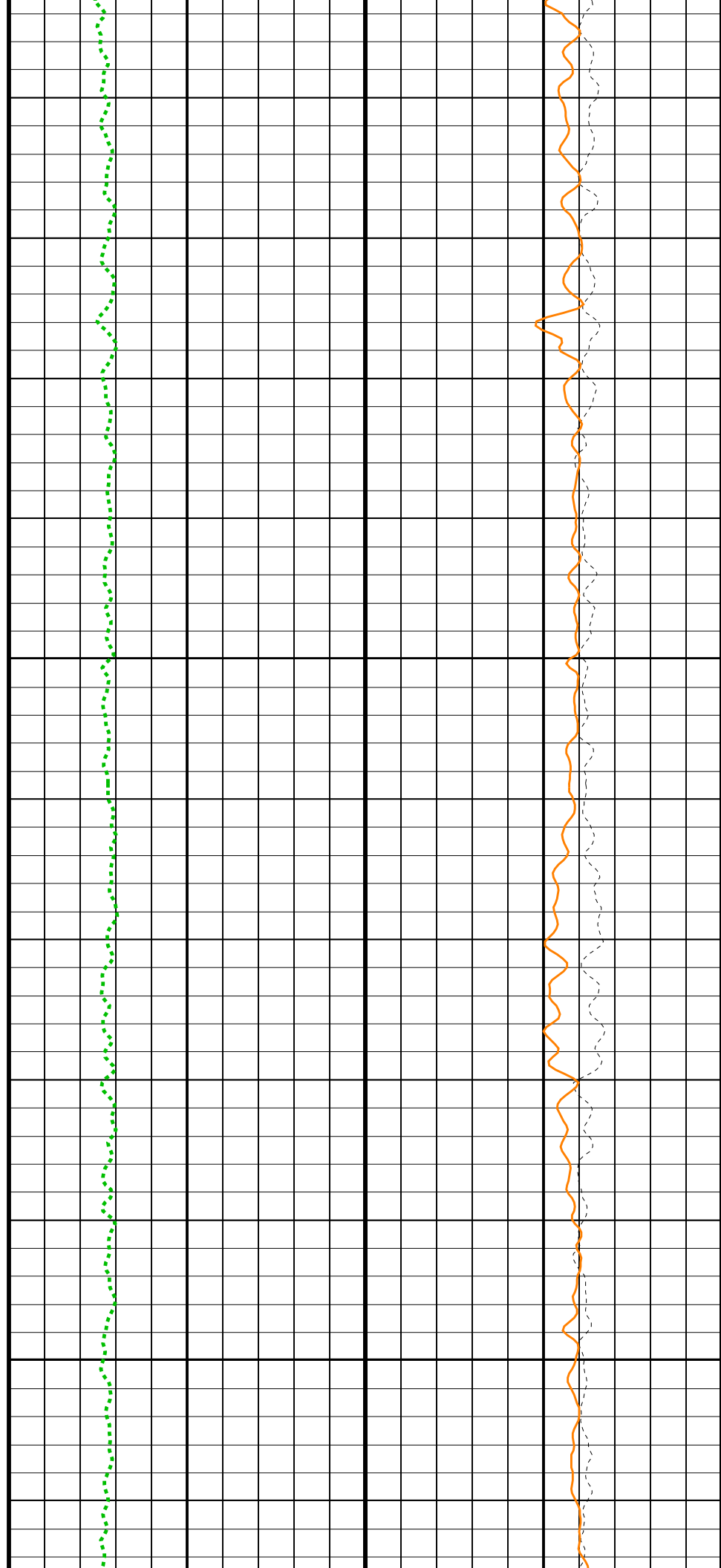


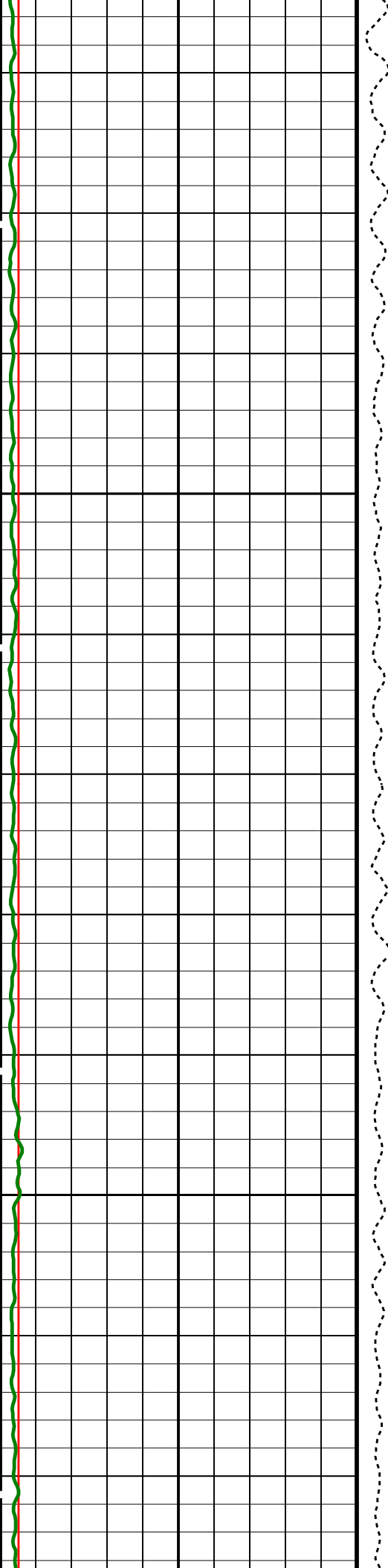




5375

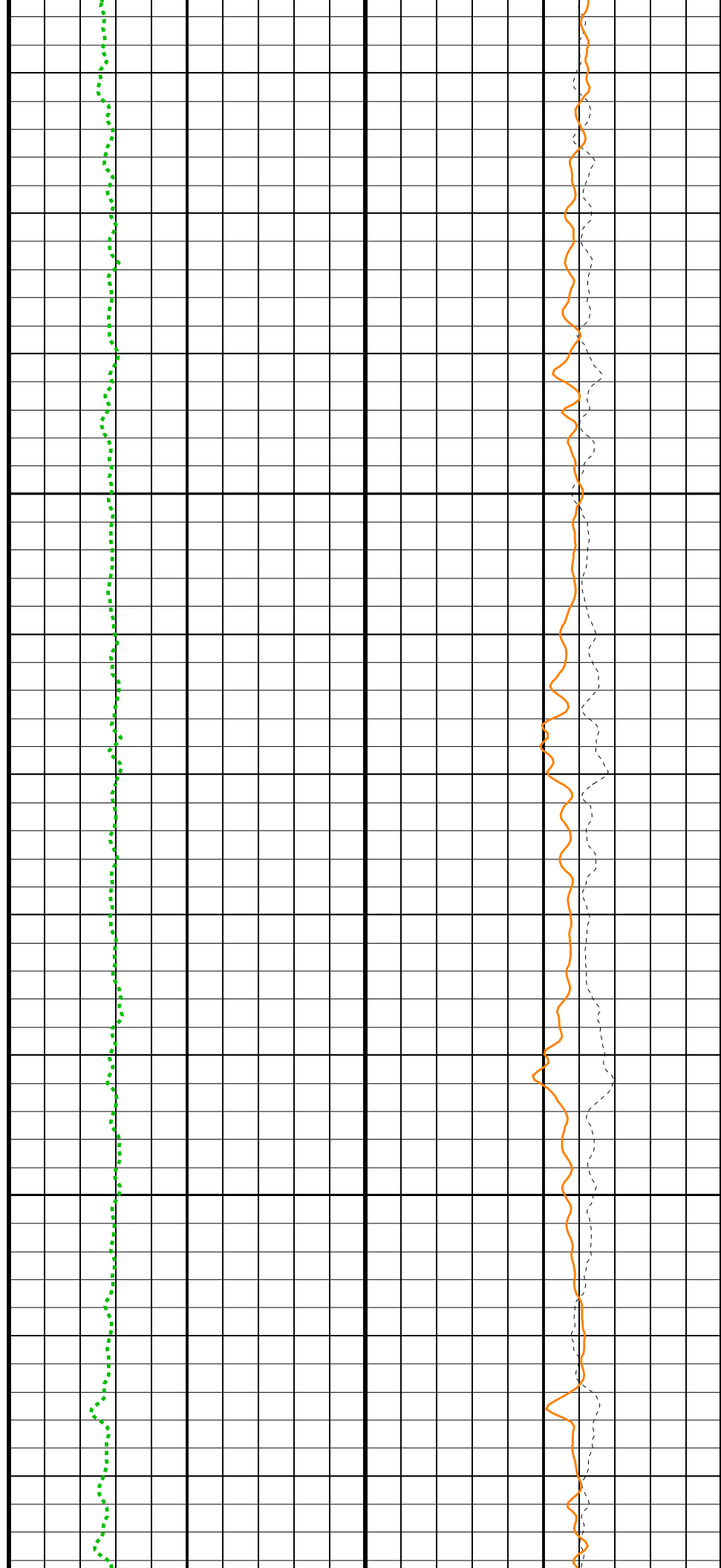
5400

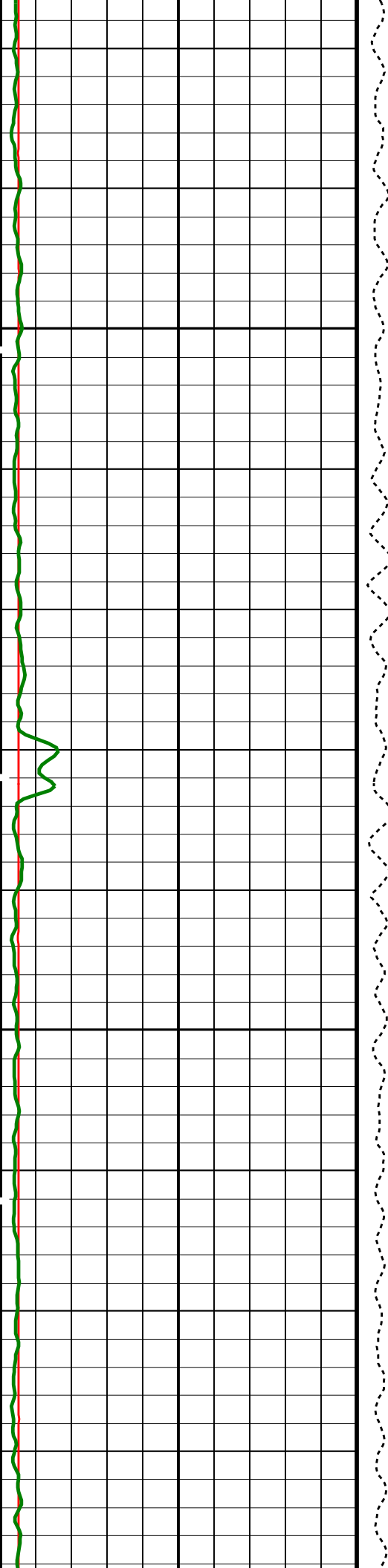




5425

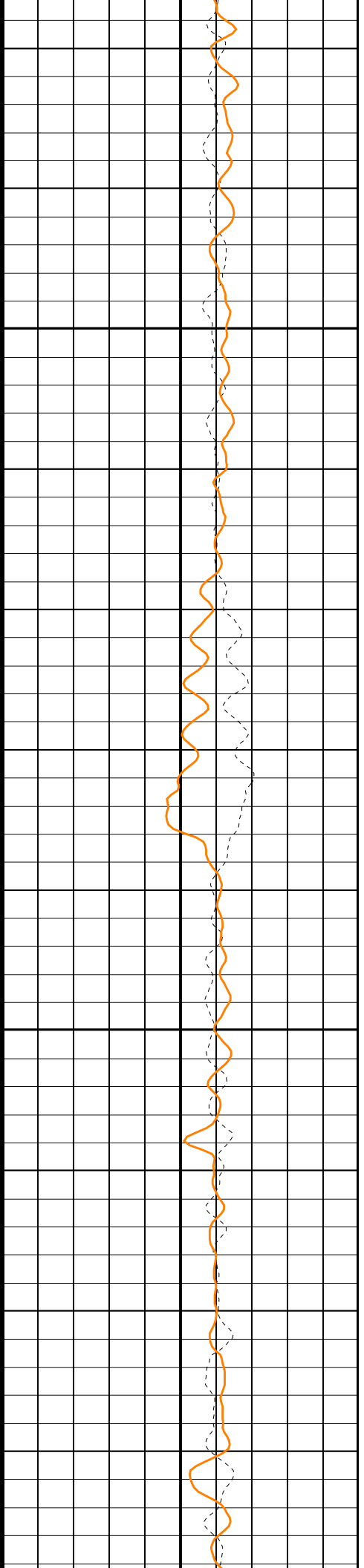
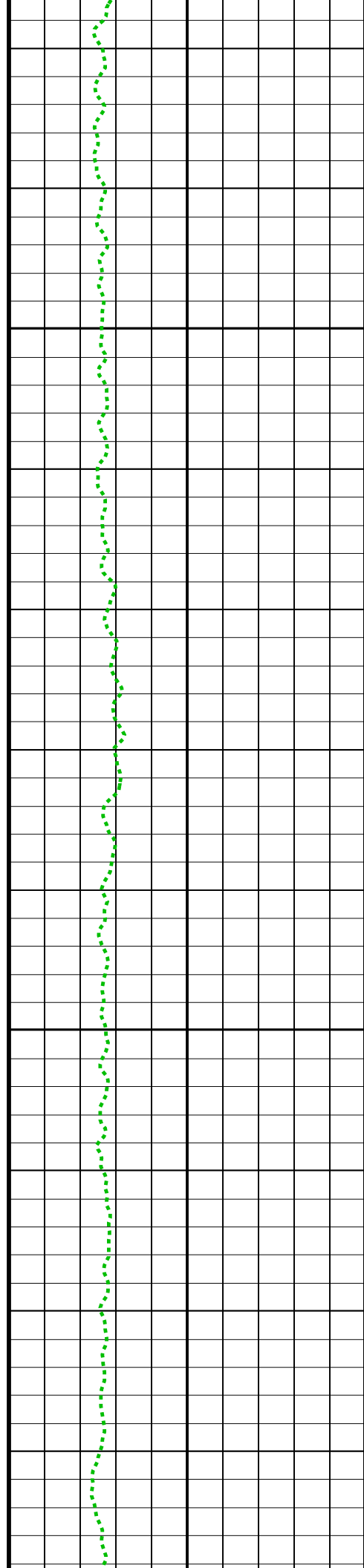
5450

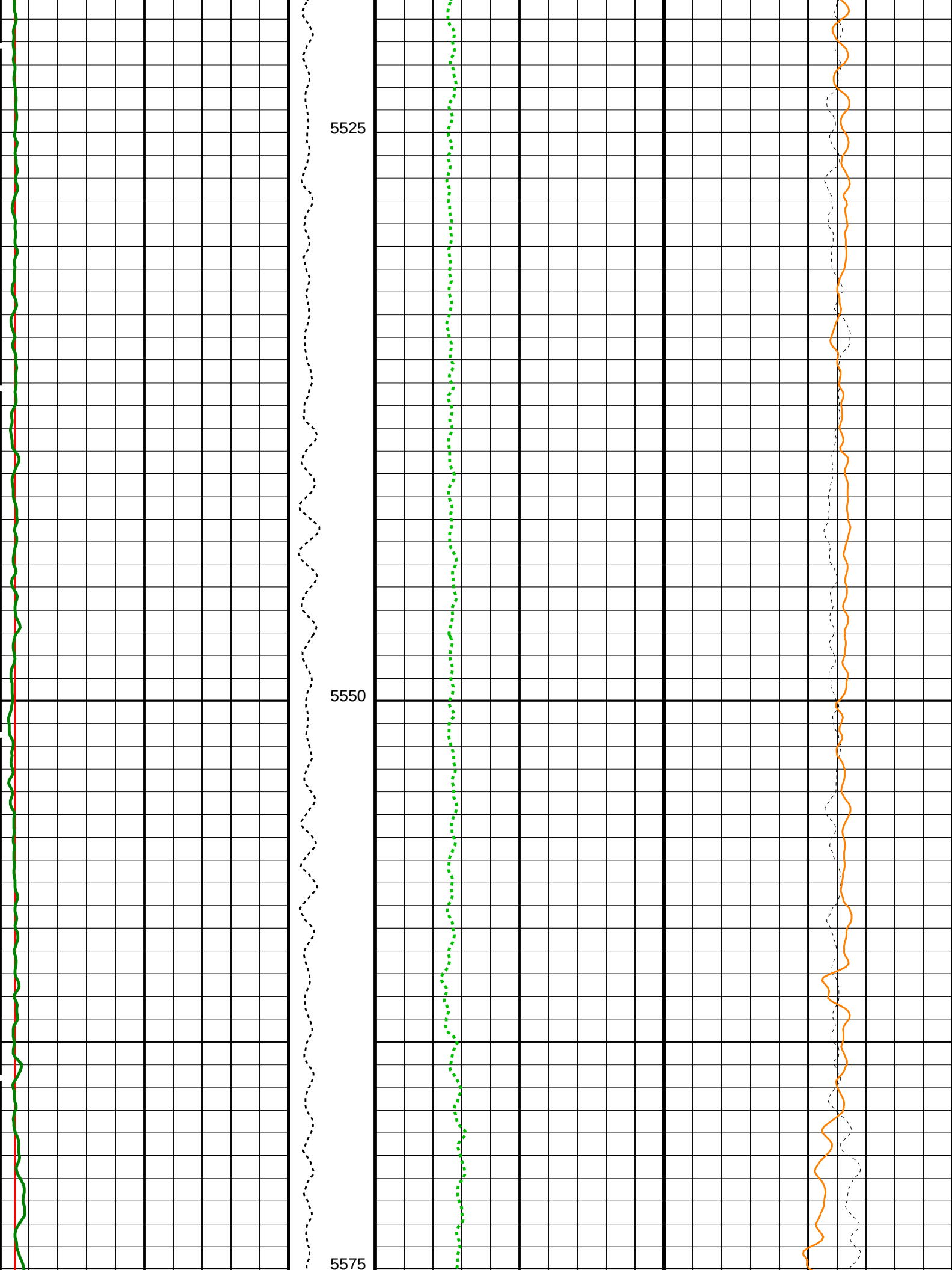


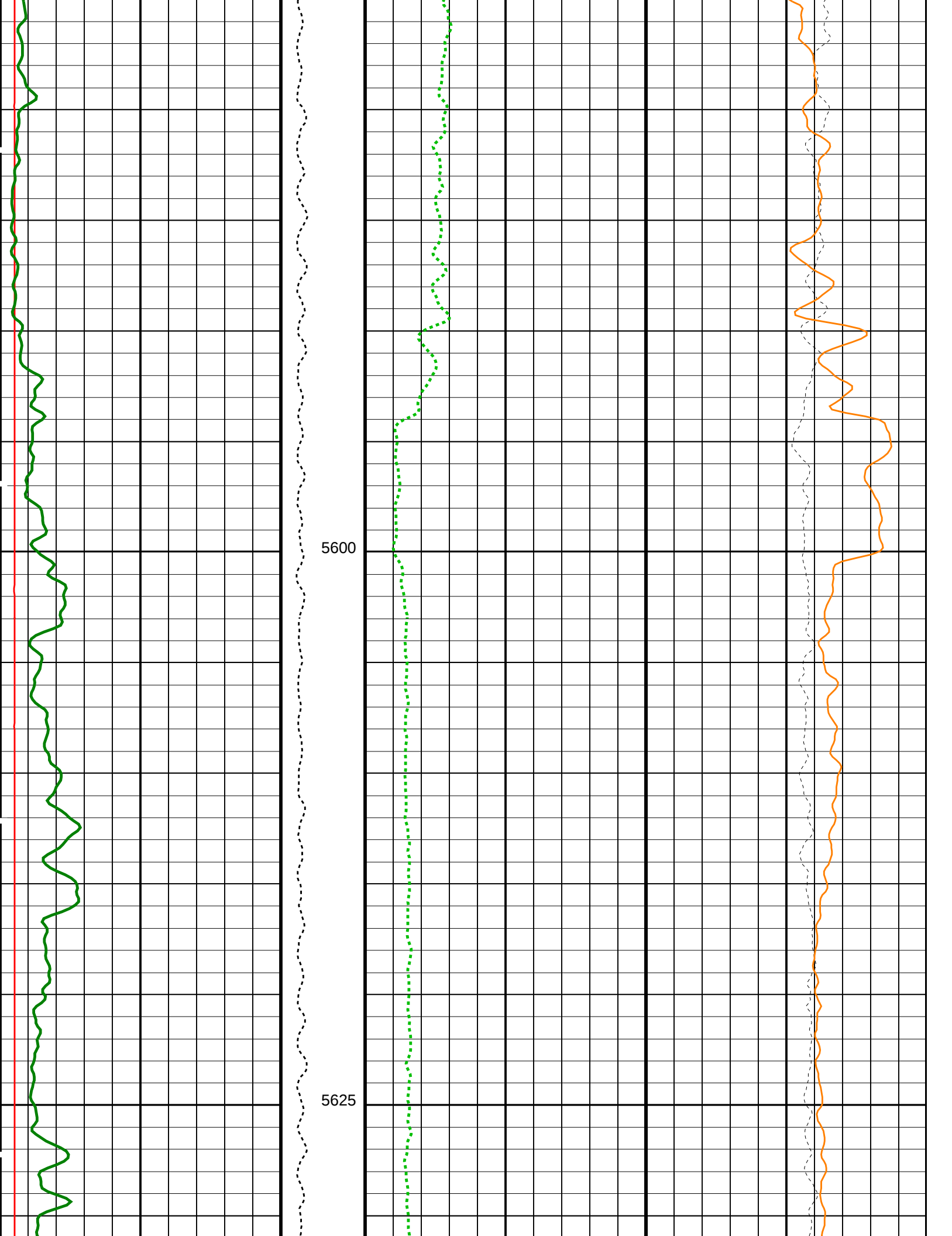


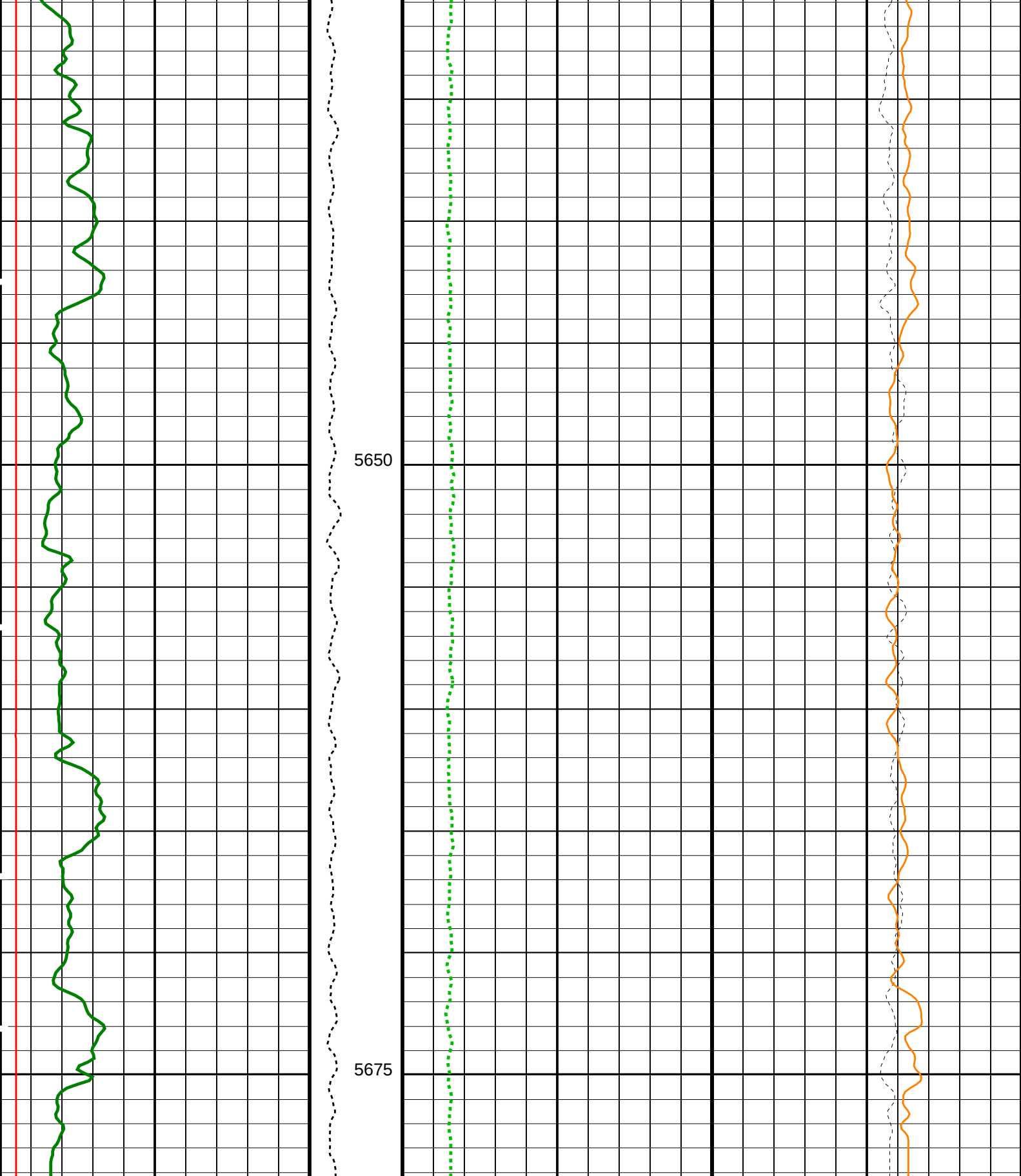
5475

5500









HLDS Caliper (LCAL) (IN) 020	Tension (TENS) (LBF) 05000	HLDS Bulk Density (RHOM) (G/C3) 31	
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0150		HLDS Long Spaced Photoelectric Effect (PEFL) (----) 010	HLDS Bulk Density Correction (DRH) (G/C3) -0.250.25

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	OFF	
MDEN	Matrix Density	2.71	G/C3
	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	-0.00748228	
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	1.02885	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.009	
	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
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Format: HLDS		DensityPE	Vertical Scale: 1:200		Graphics File Created: 18-May-2022 02:49	
OP System Version: 19C0-187						
MSS_LDEO-A	19C0-187		HRLT-B	19C0-187		
HLDS	19C0-187		LDSC-B	19C0-187		
HNGC-B	19C0-187		HNGS-BA	19C0-187		
EDTC-B	SKK-5169-EDTCB					

Input DLIS Files					
DEFAULT	Flip_MSS_LDEO_HRLA_012LUP	PRODUCER	18–May–2022 02:49	5679.3 M	4976.6 M
Output DLIS Files					
DEFAULT	MSS_LDEO_HRLA_LDL_013PUP	FN:17	PRODUCER	18–May–2022 02:49	
RTB	MSS_LDEO_HRLA_LDL_013PUP	FN:18	PRODUCER	18–May–2022 02:49	

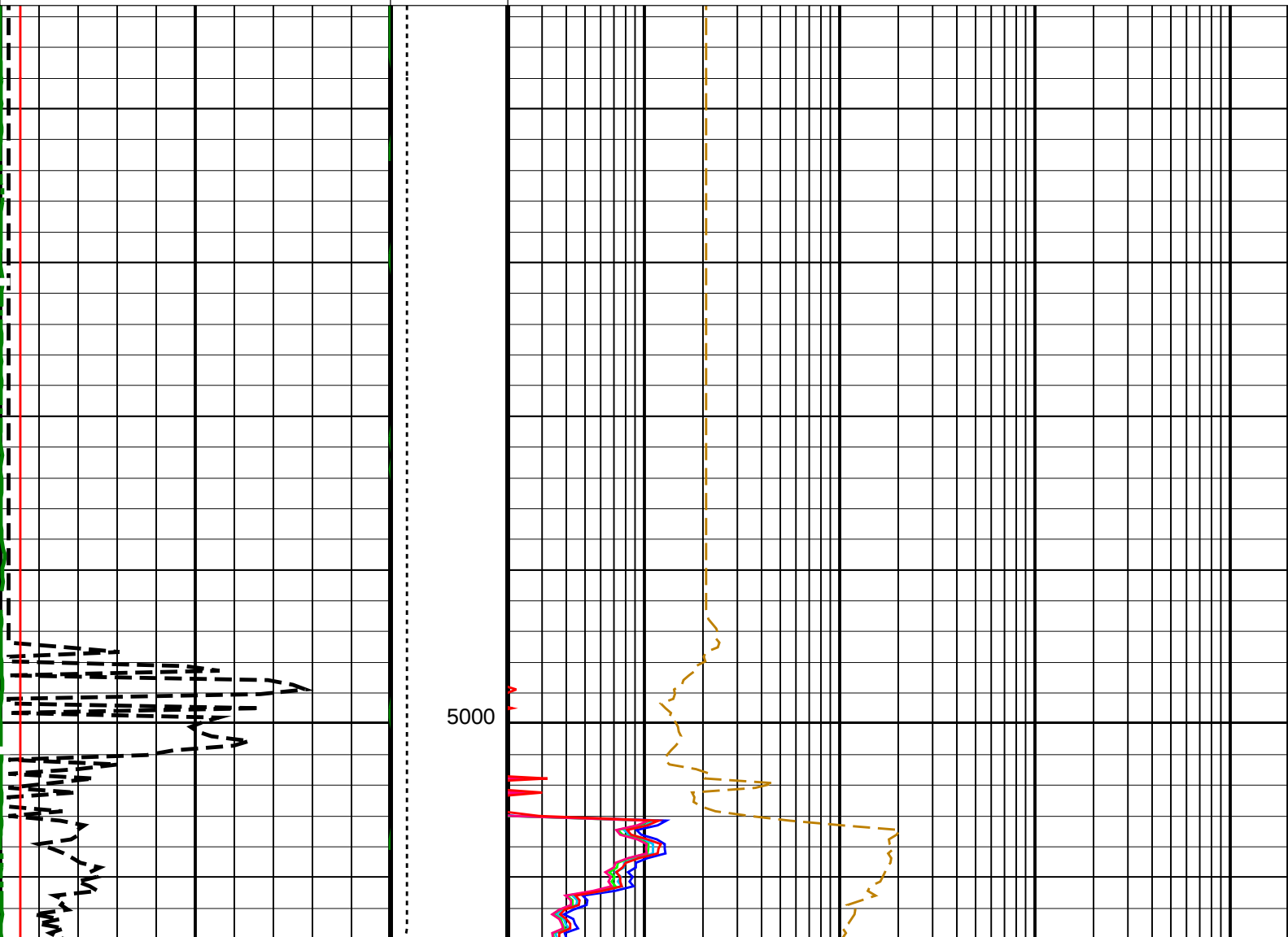
Company: International Ocean Discovery Program					Well: Expedition 390, Site U1557D	
Input DLIS Files						
DEFAULT	Flip_MSS_LDEO_HRLA_012LUP	PRODUCER	18-May-2022 02:49	5679.3 M	4976.6 M	
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_013PUP	FN:17	PRODUCER	18-May-2022 02:49	5679.2 M	4976.6 M

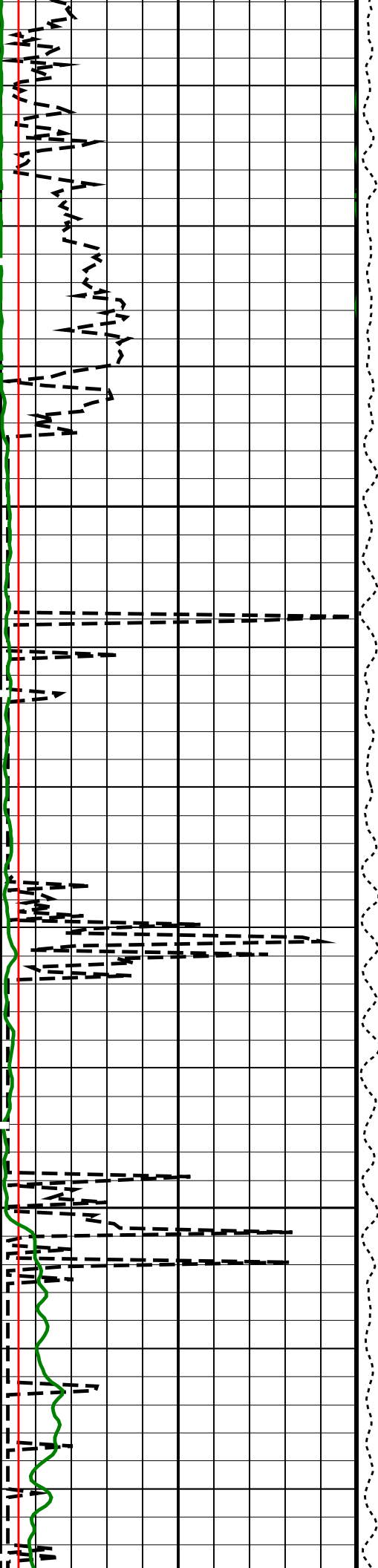
OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

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

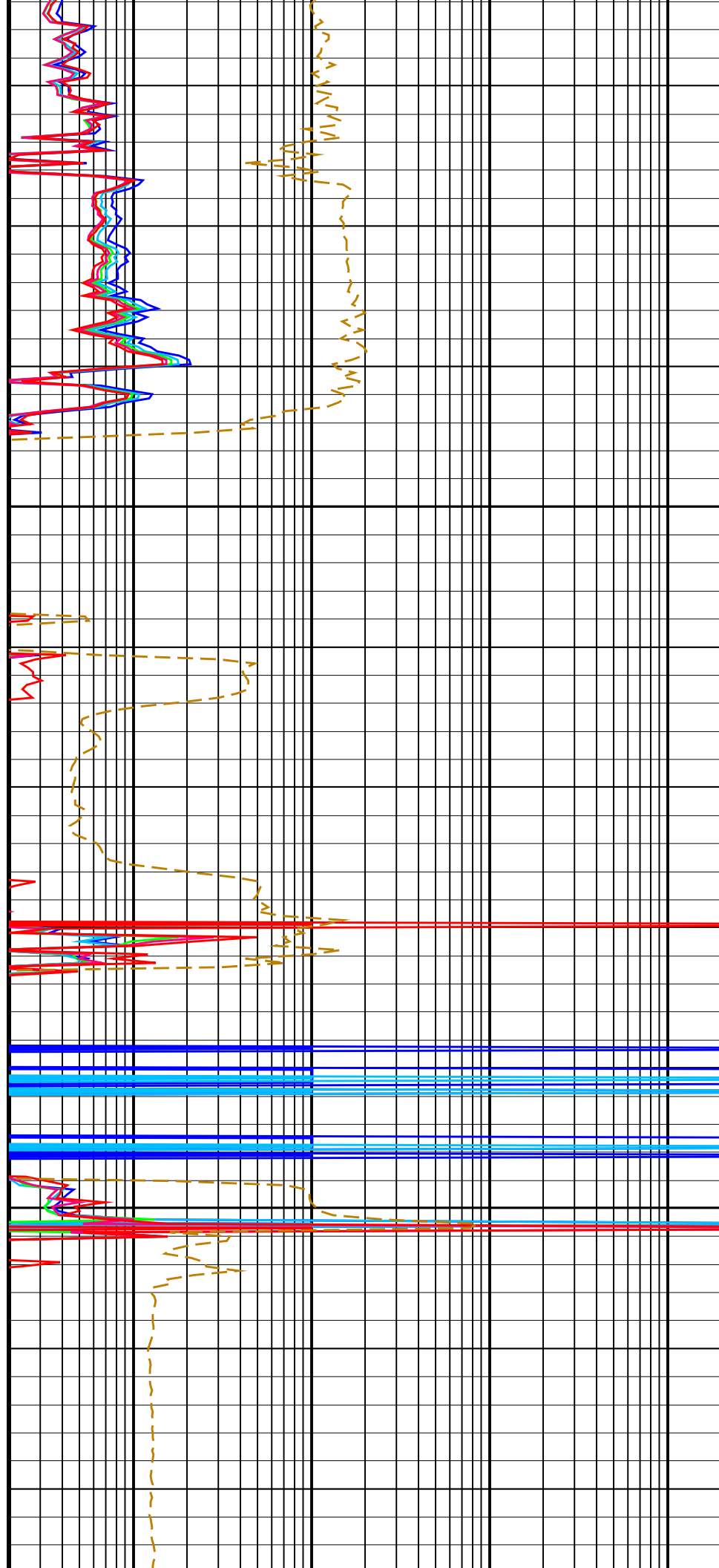
PIP SUMMARY

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

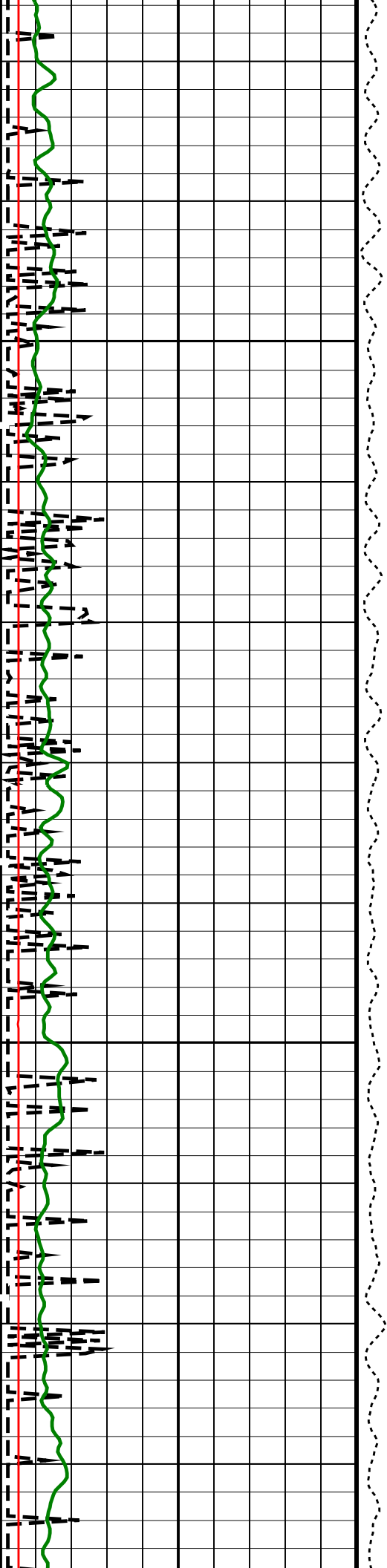




5025

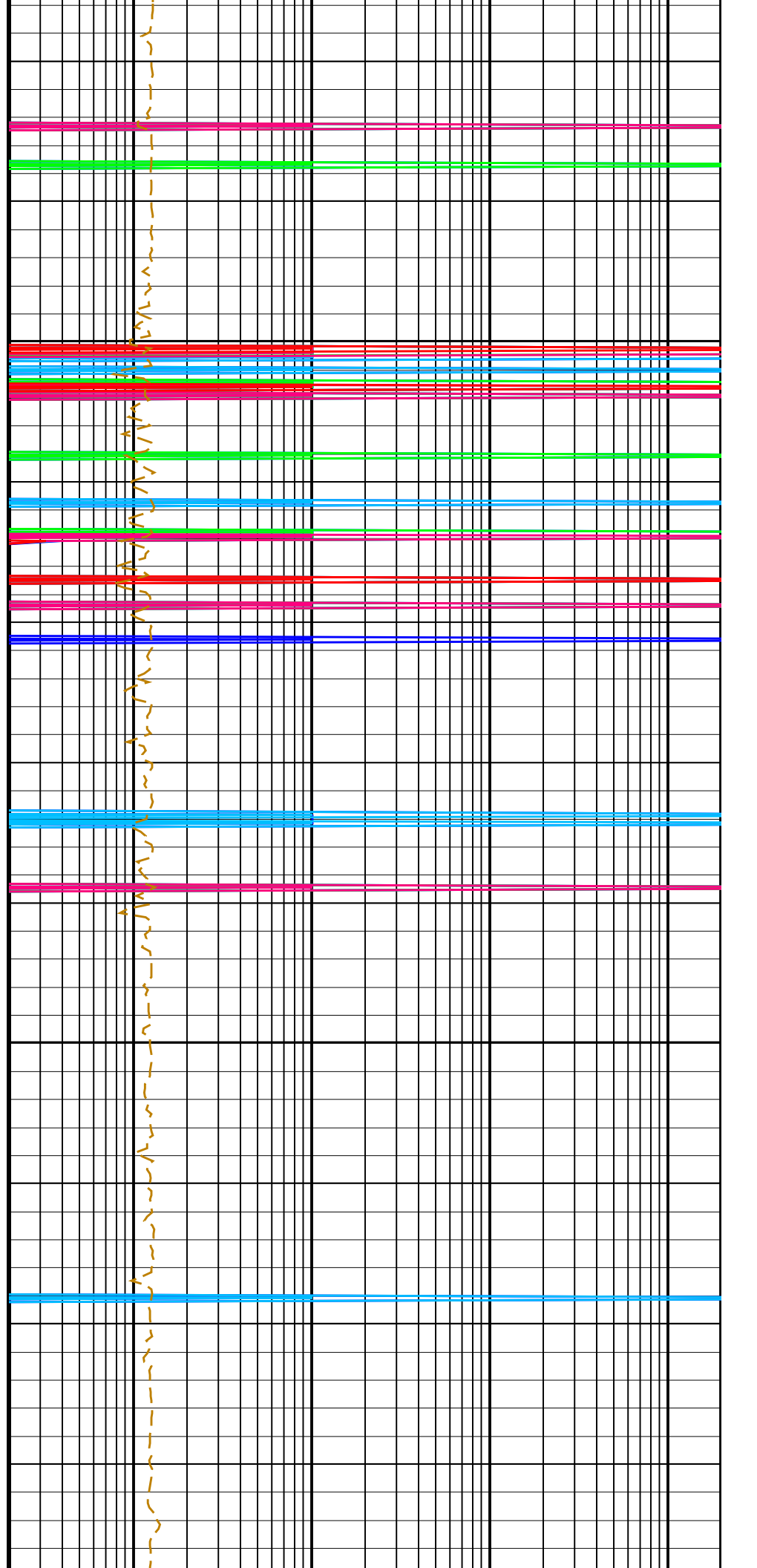


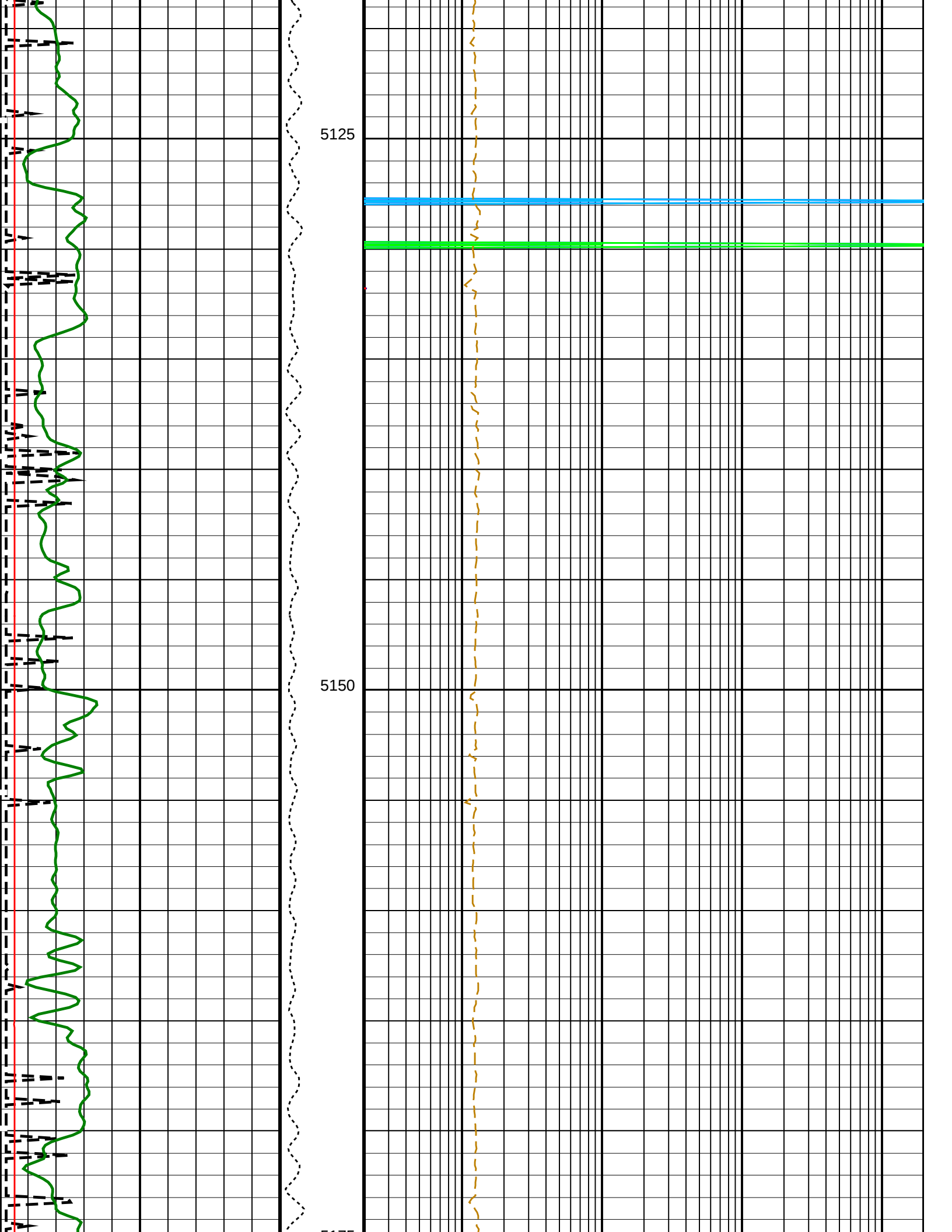
5050

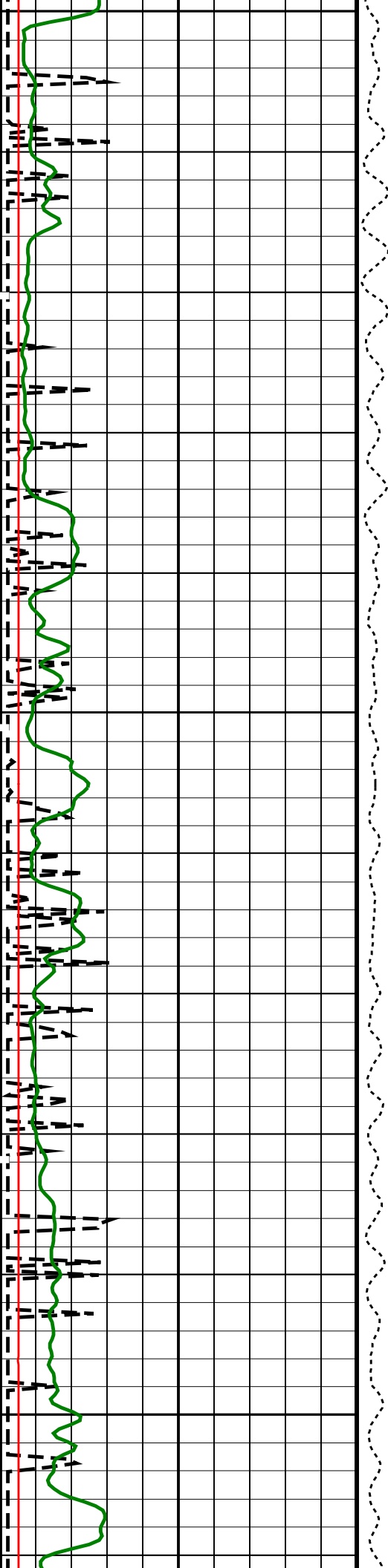


5075

5100



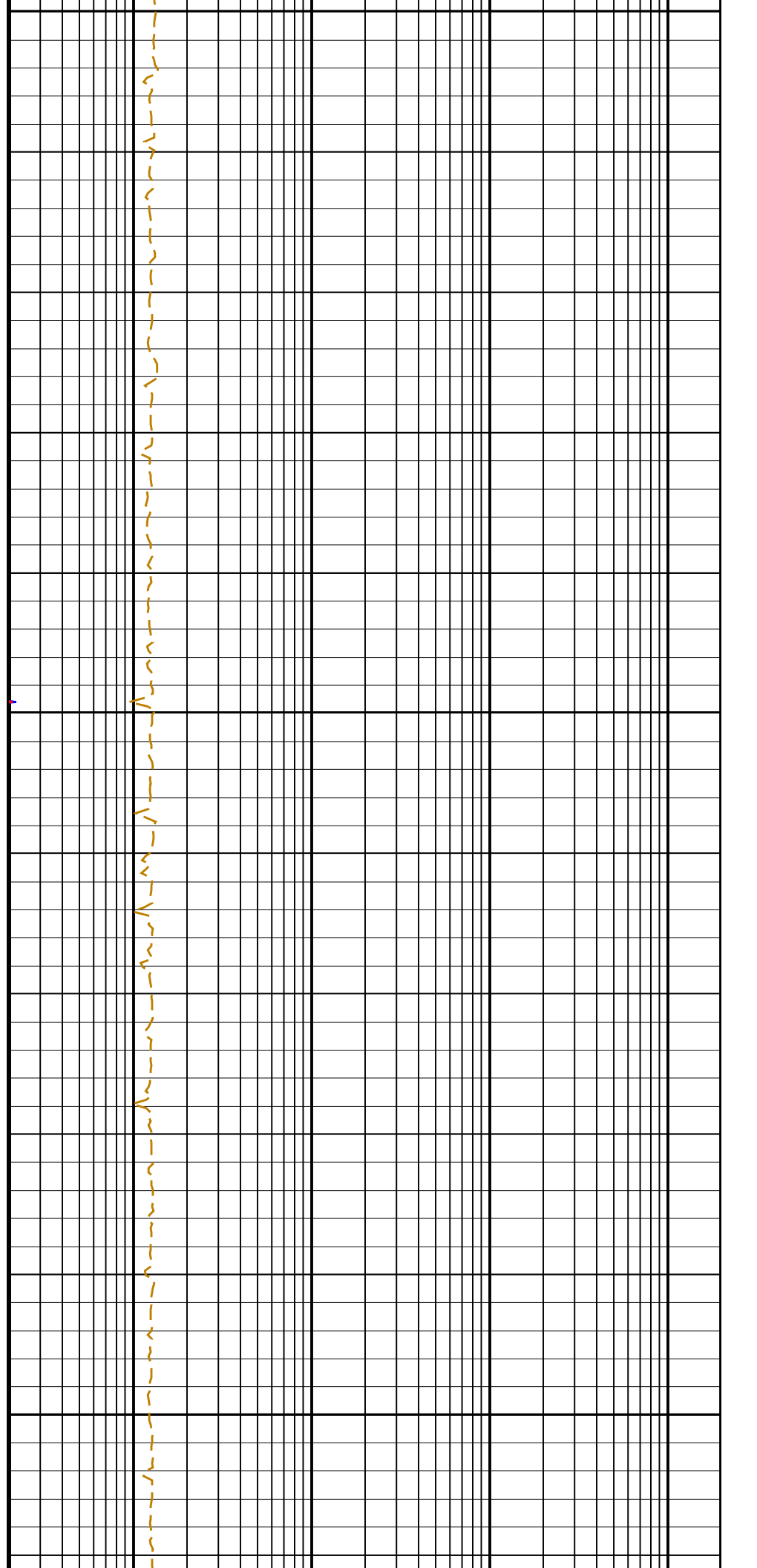


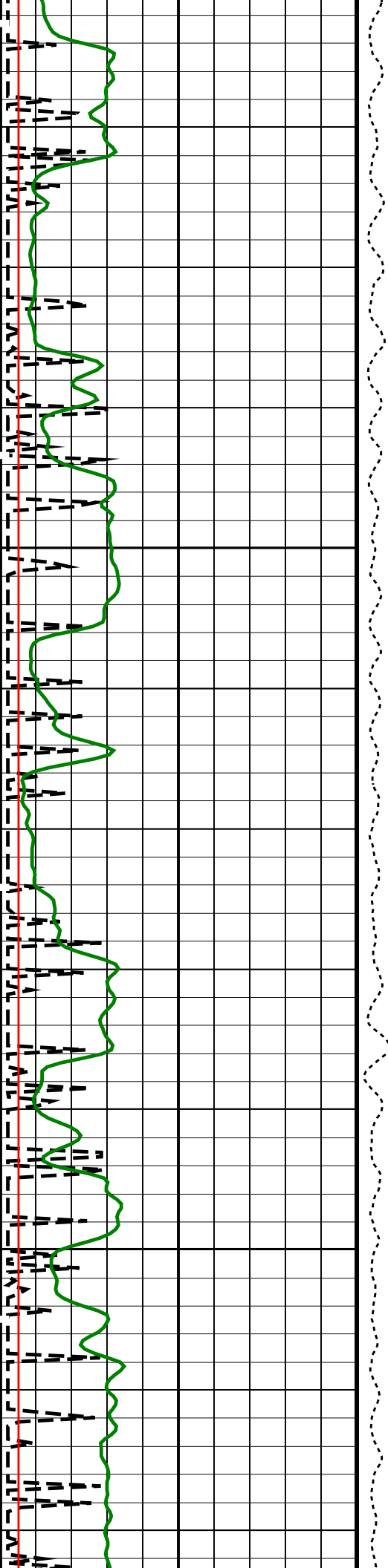


5175

5200

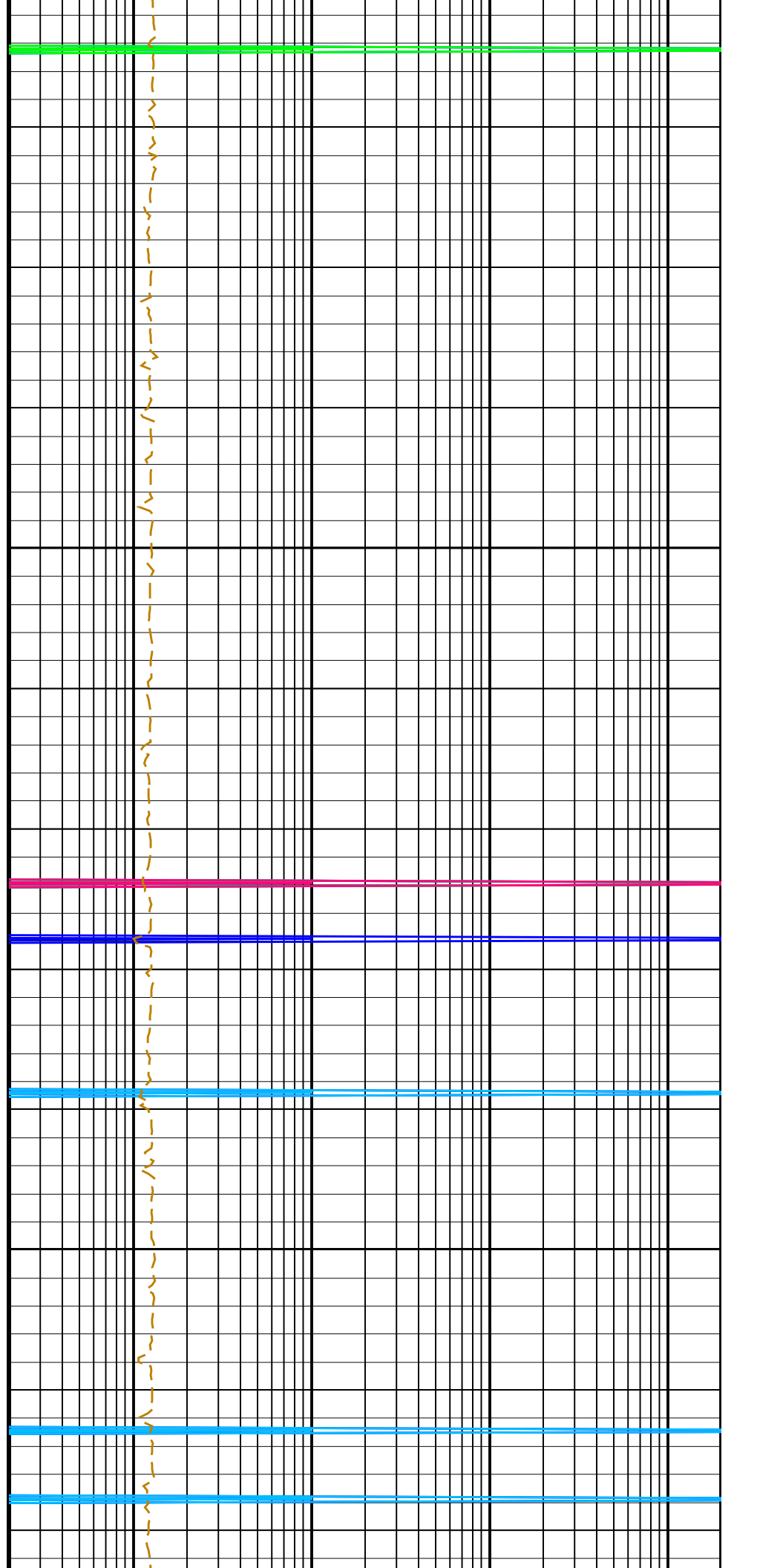
5225

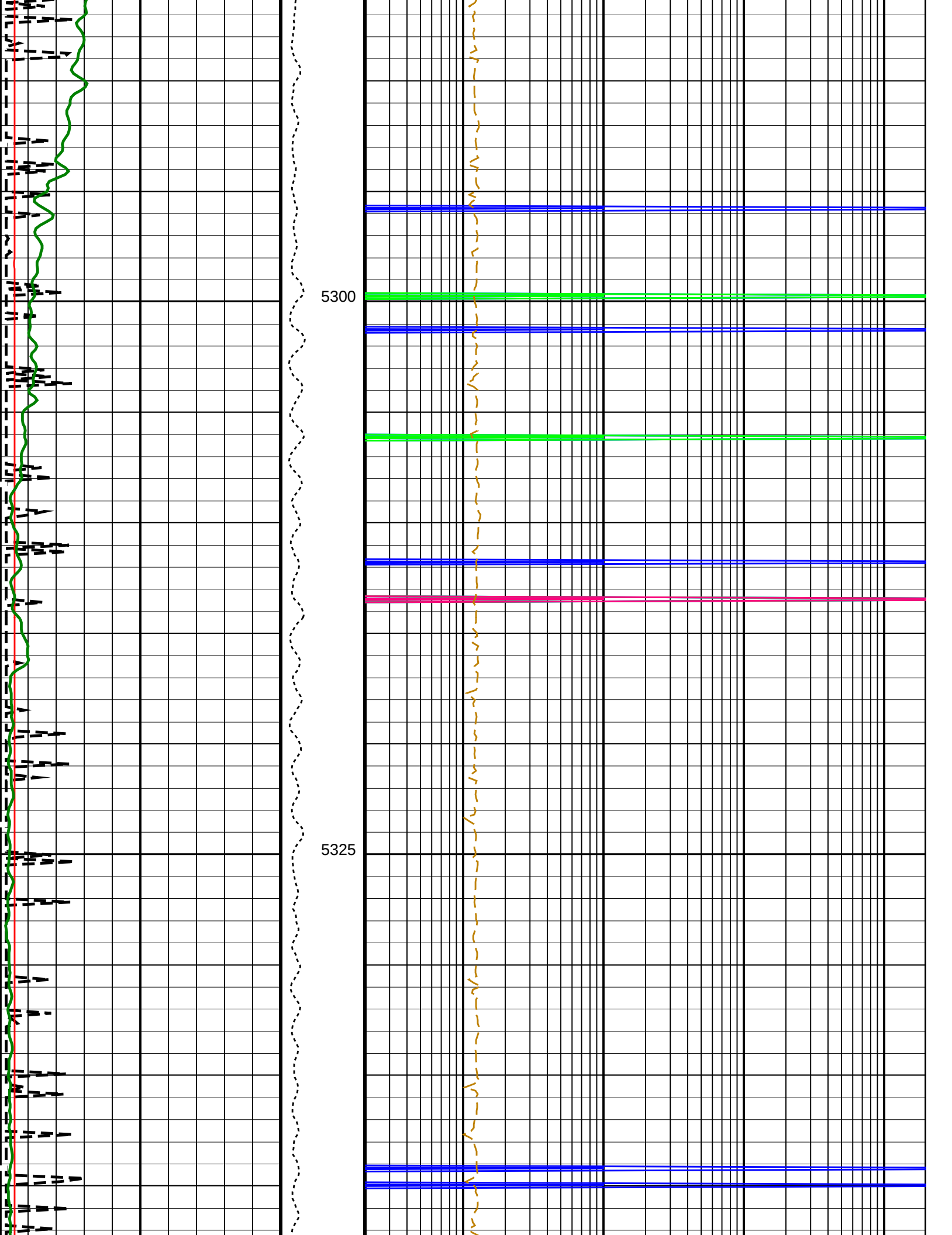


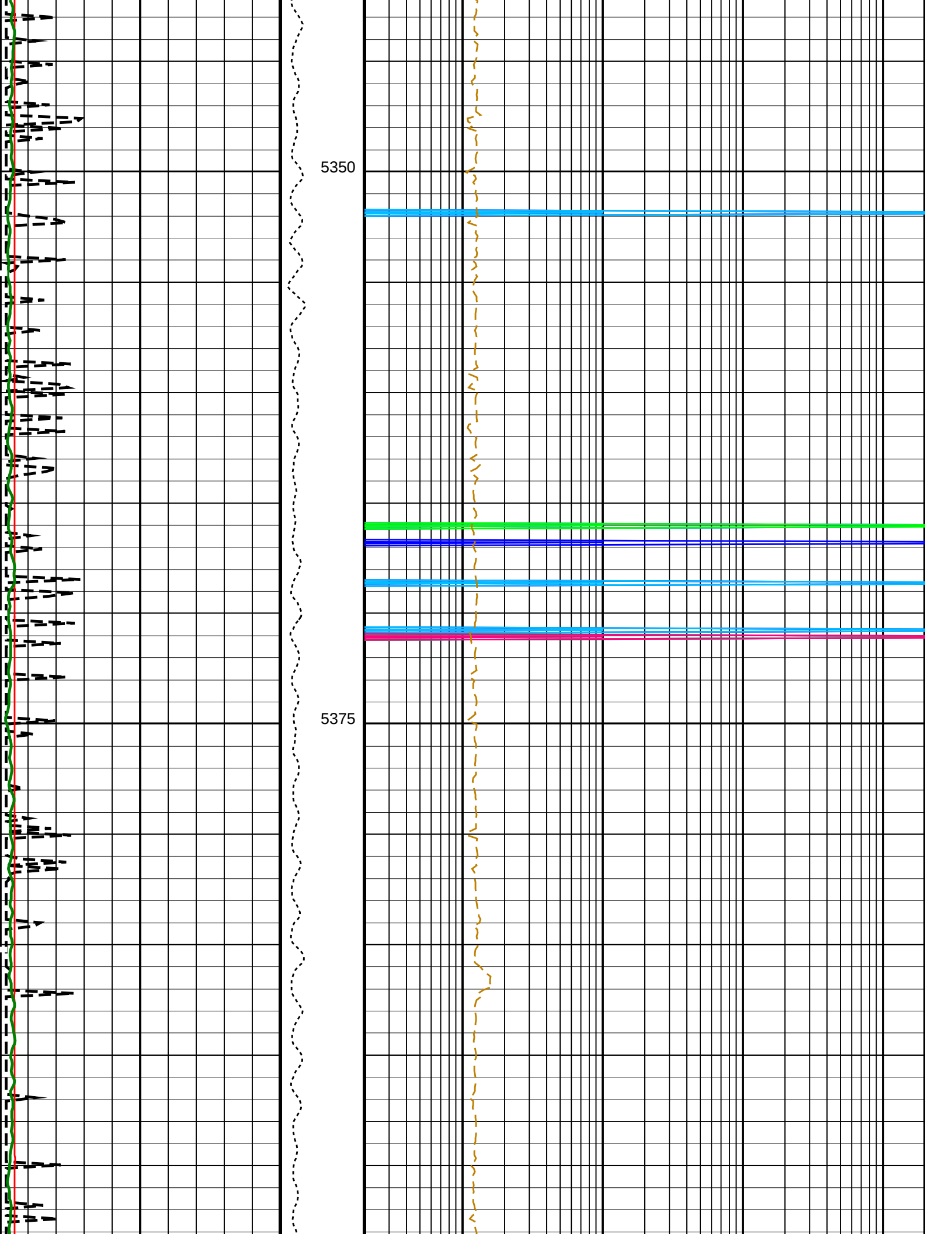


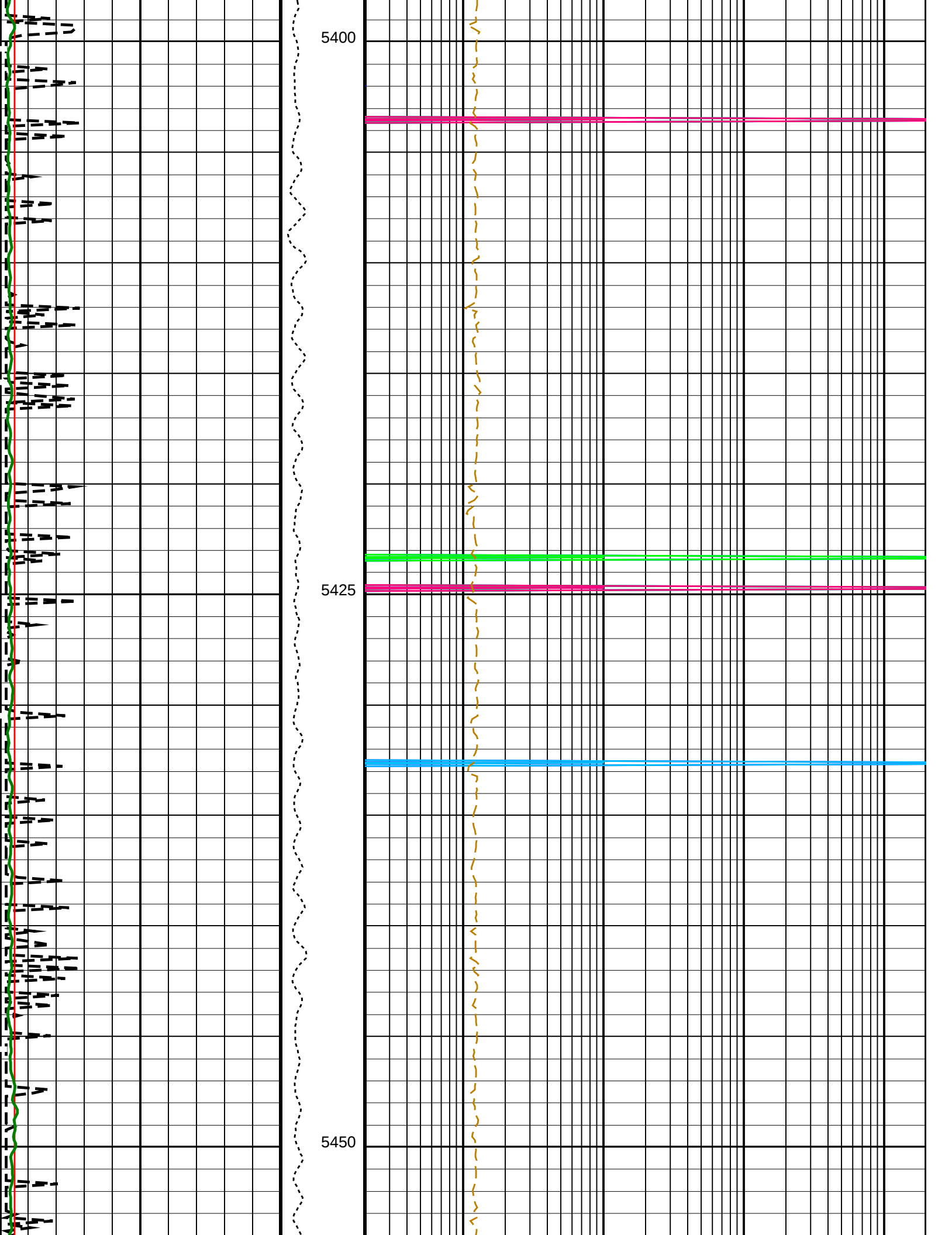
5250

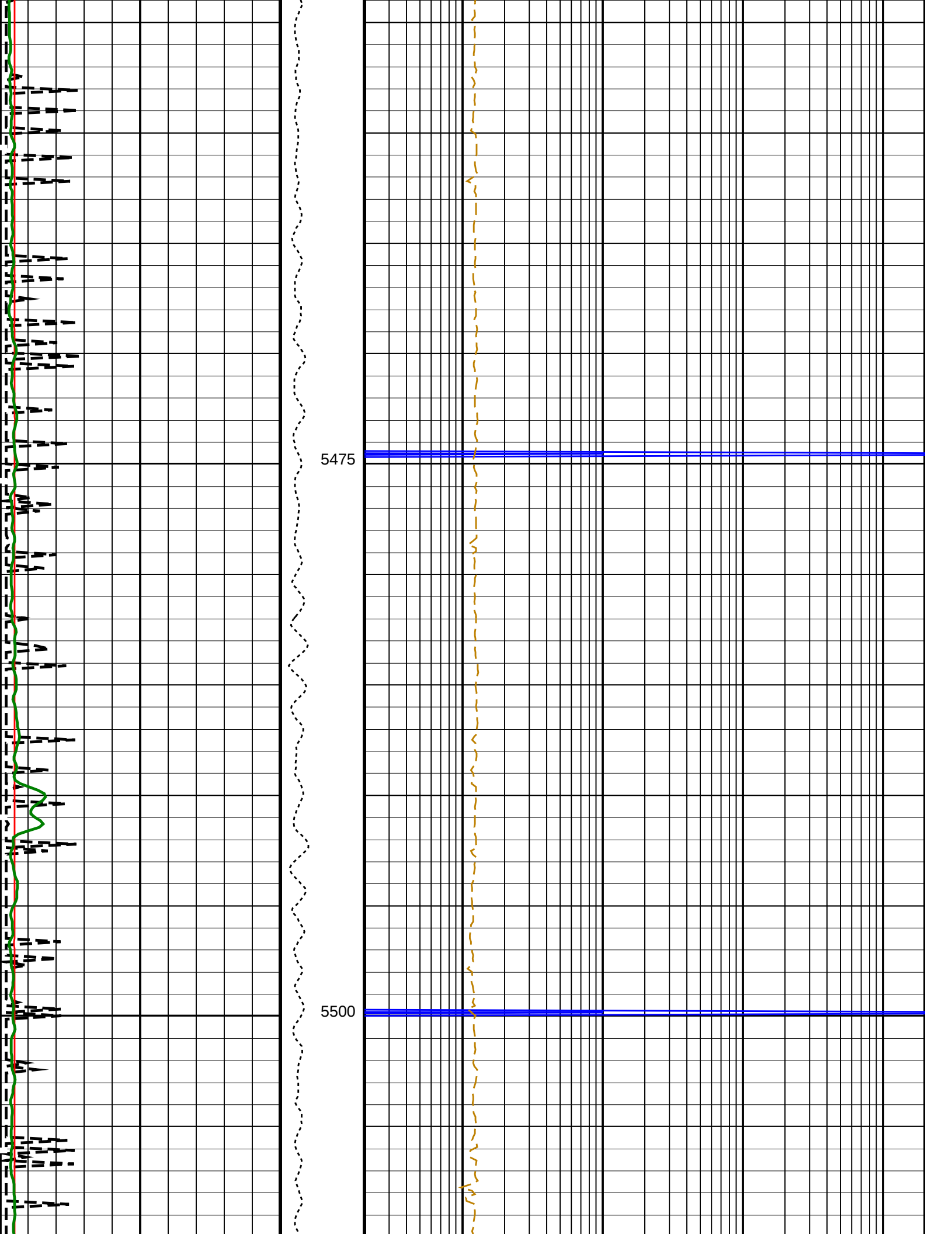
5275

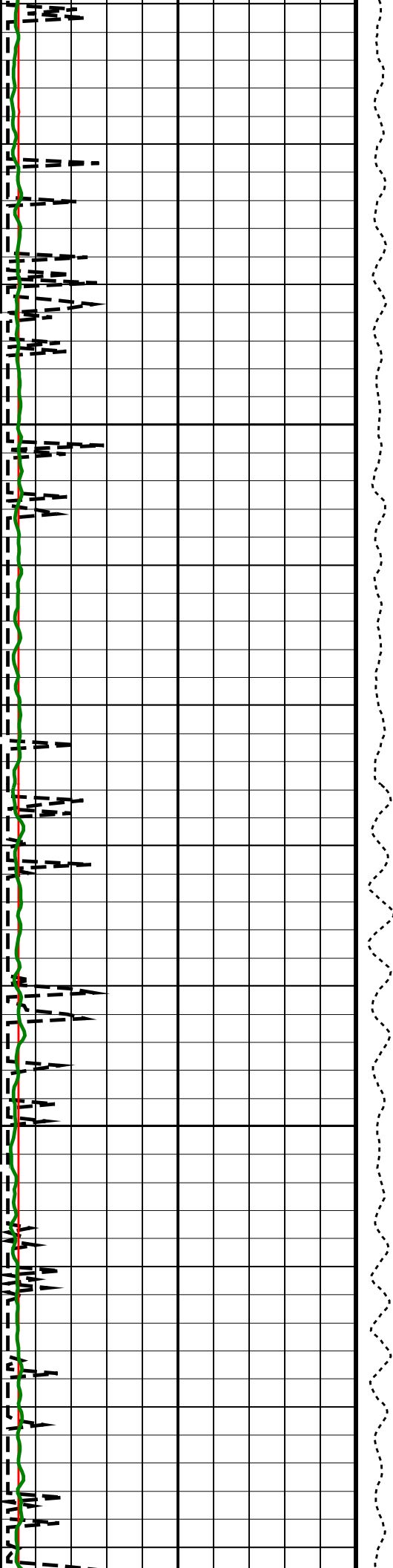






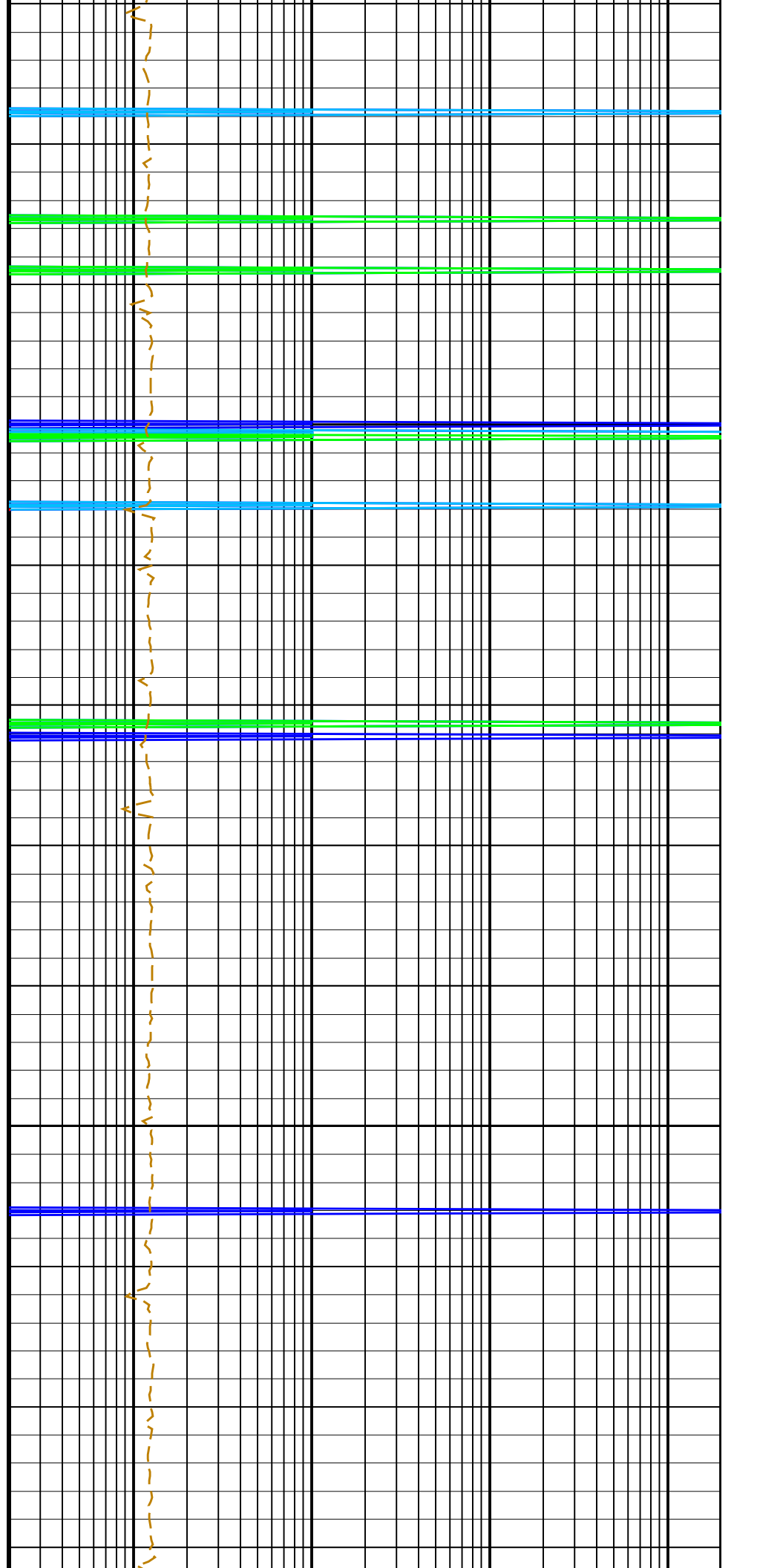


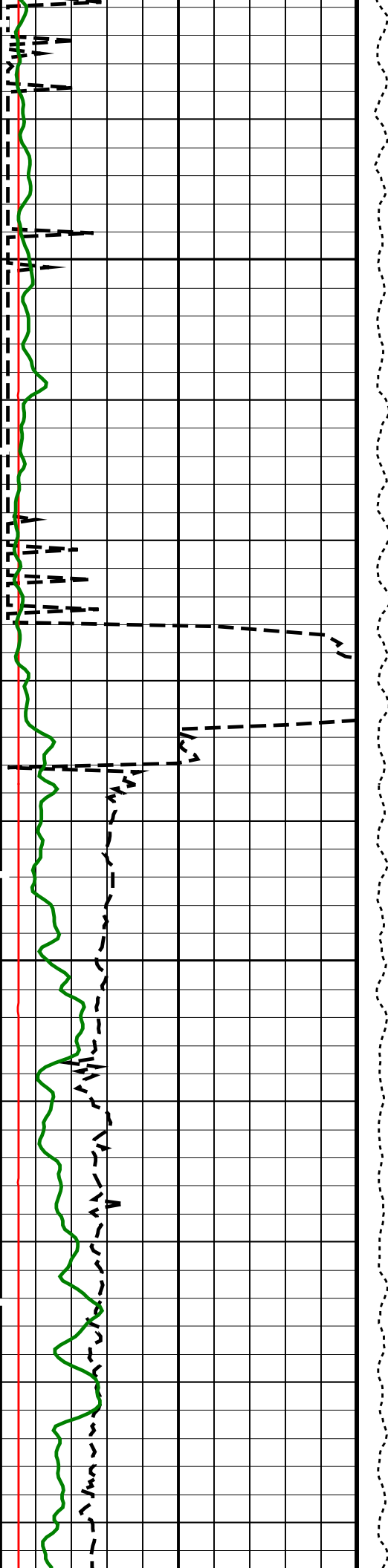




5525

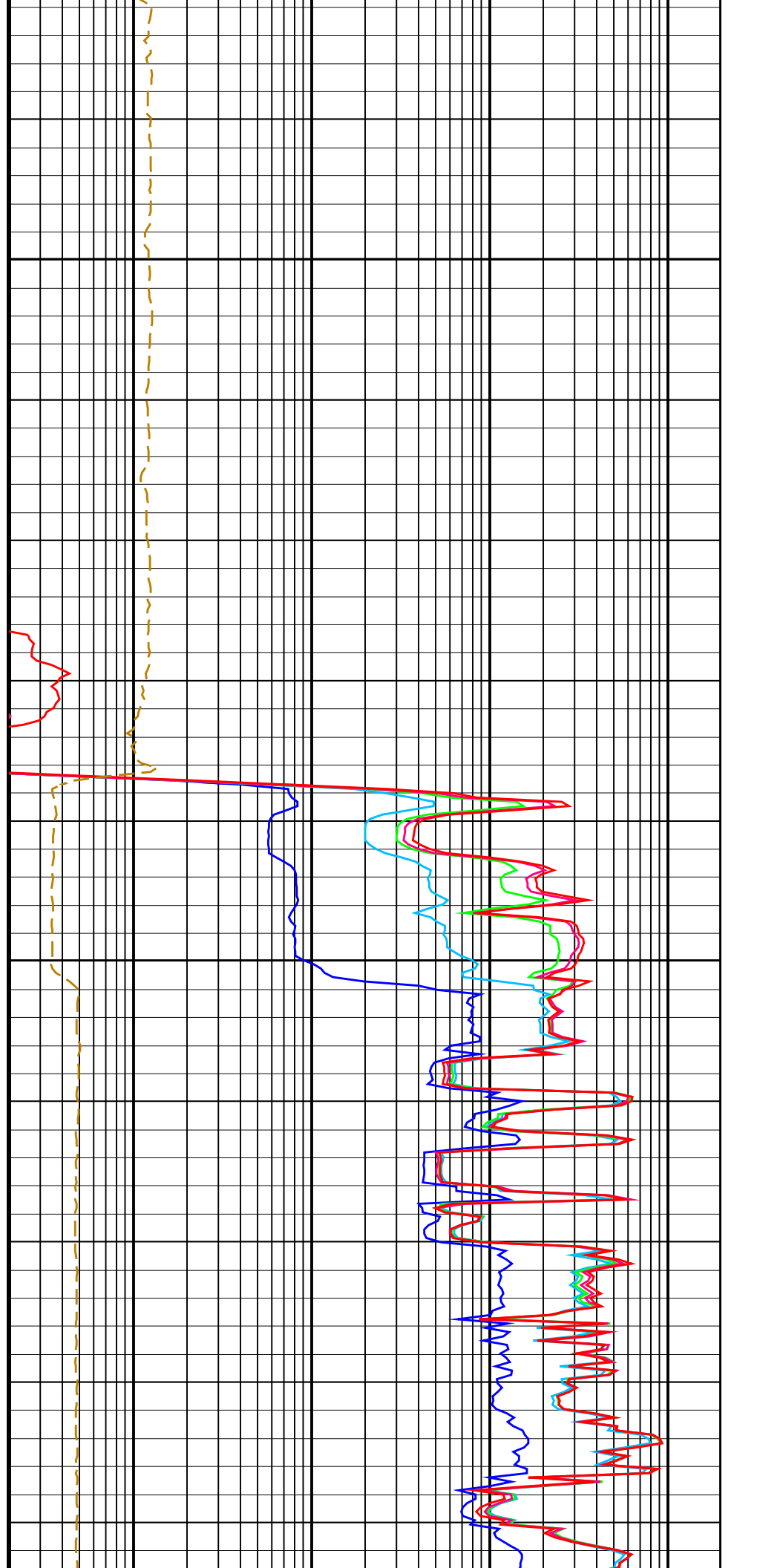
5550

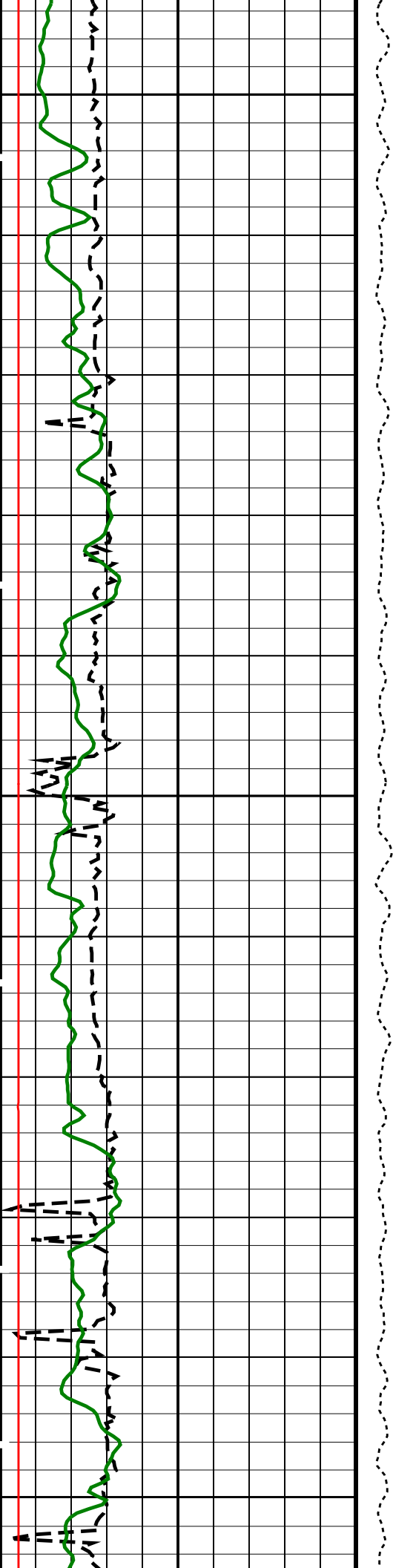




5575

5600

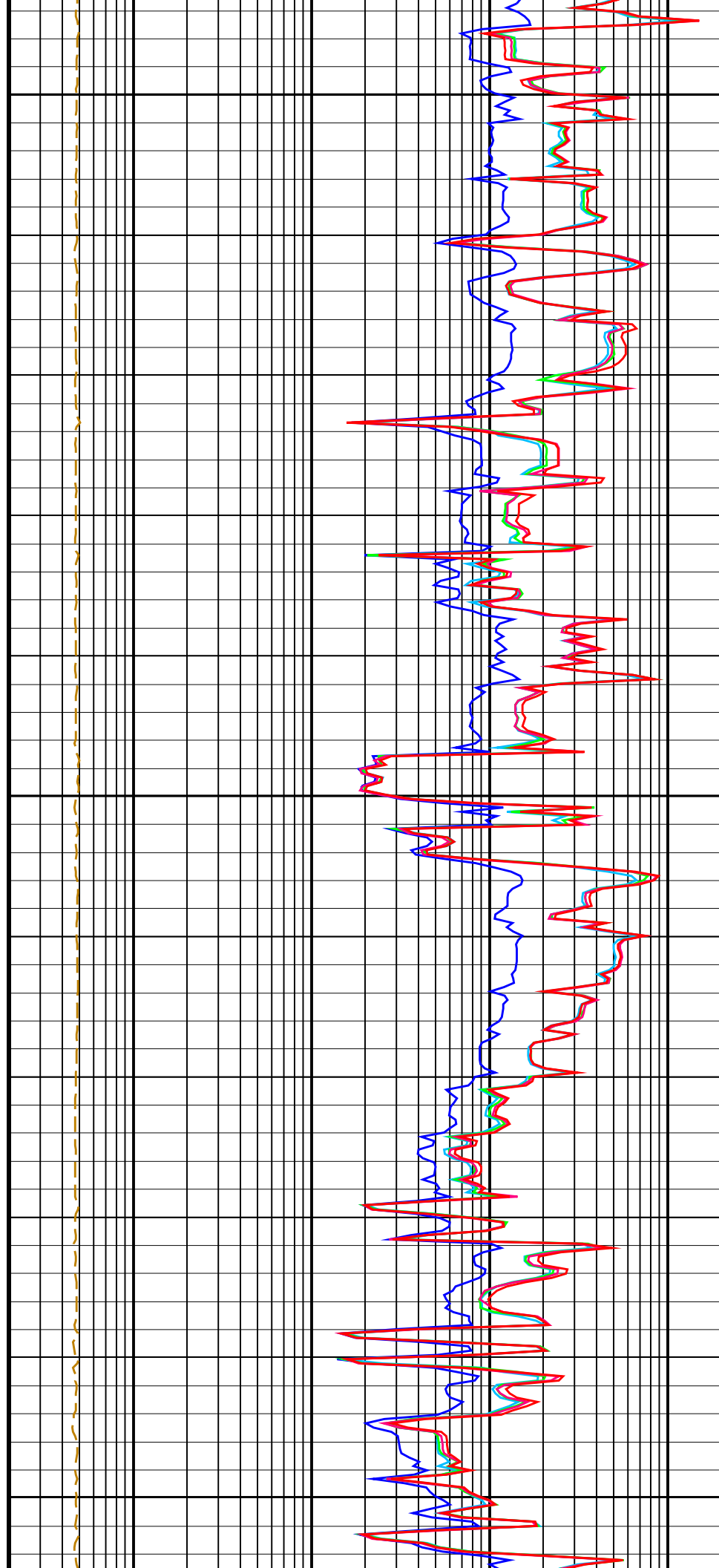




5625

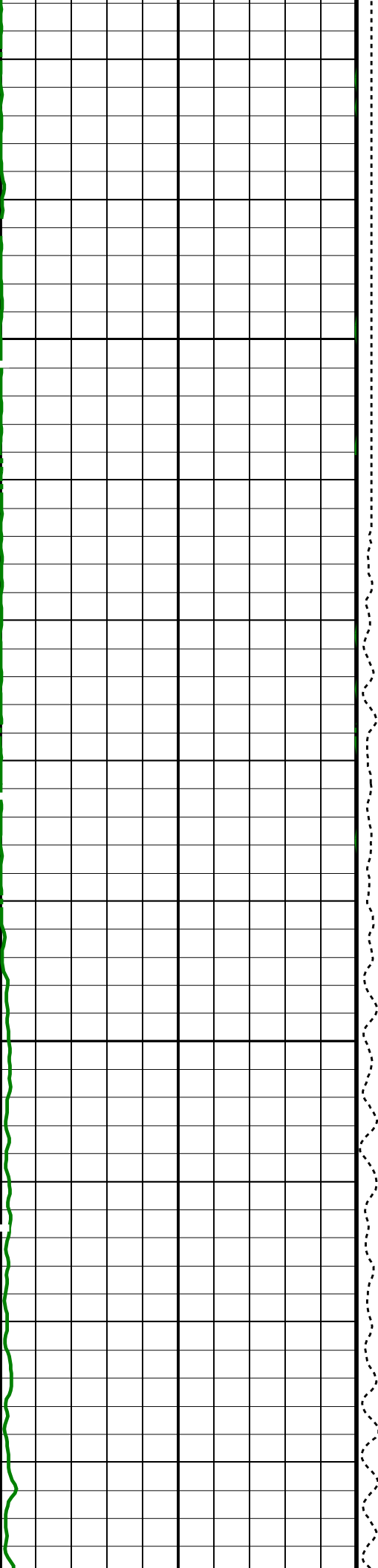
5650

5675



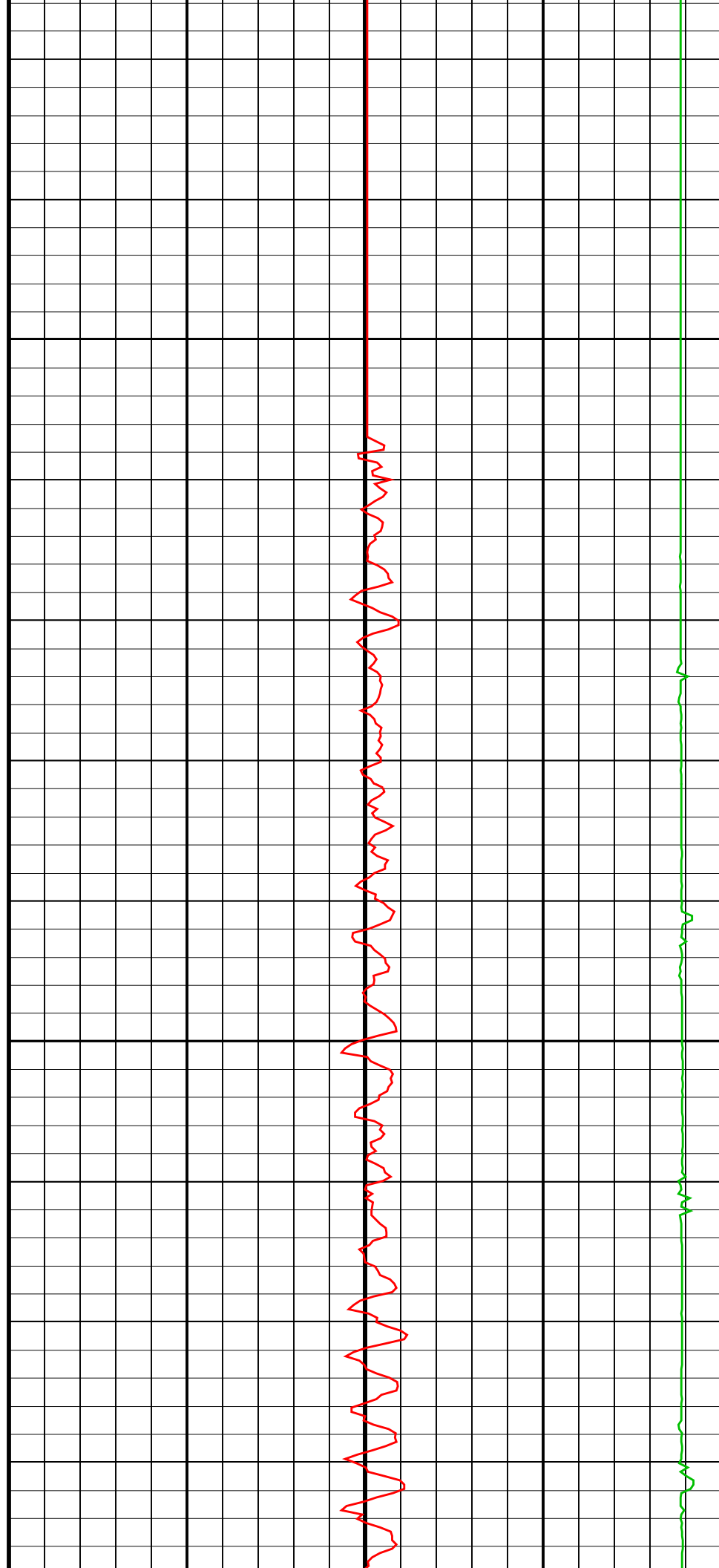
HLDS Caliper (LCAL) 0 (IN) 20			Tension (TENS) (LBF) 0 5000	HRLT Resistivity 1 (RLA1) 0.2 (OHMM) 2000		
Invasion Diameter (DI_HRLT) 0 (IN) 50				HRLT Resistivity 2 (RLA2) 0.2 (OHMM) 2000		
HNGS Spectroscopy Gamma Ray (HSGR) 0 (GAPI) 150				HRLT Resistivity 3 (RLA3) 0.2 (OHMM) 2000		
				HRLT Resistivity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

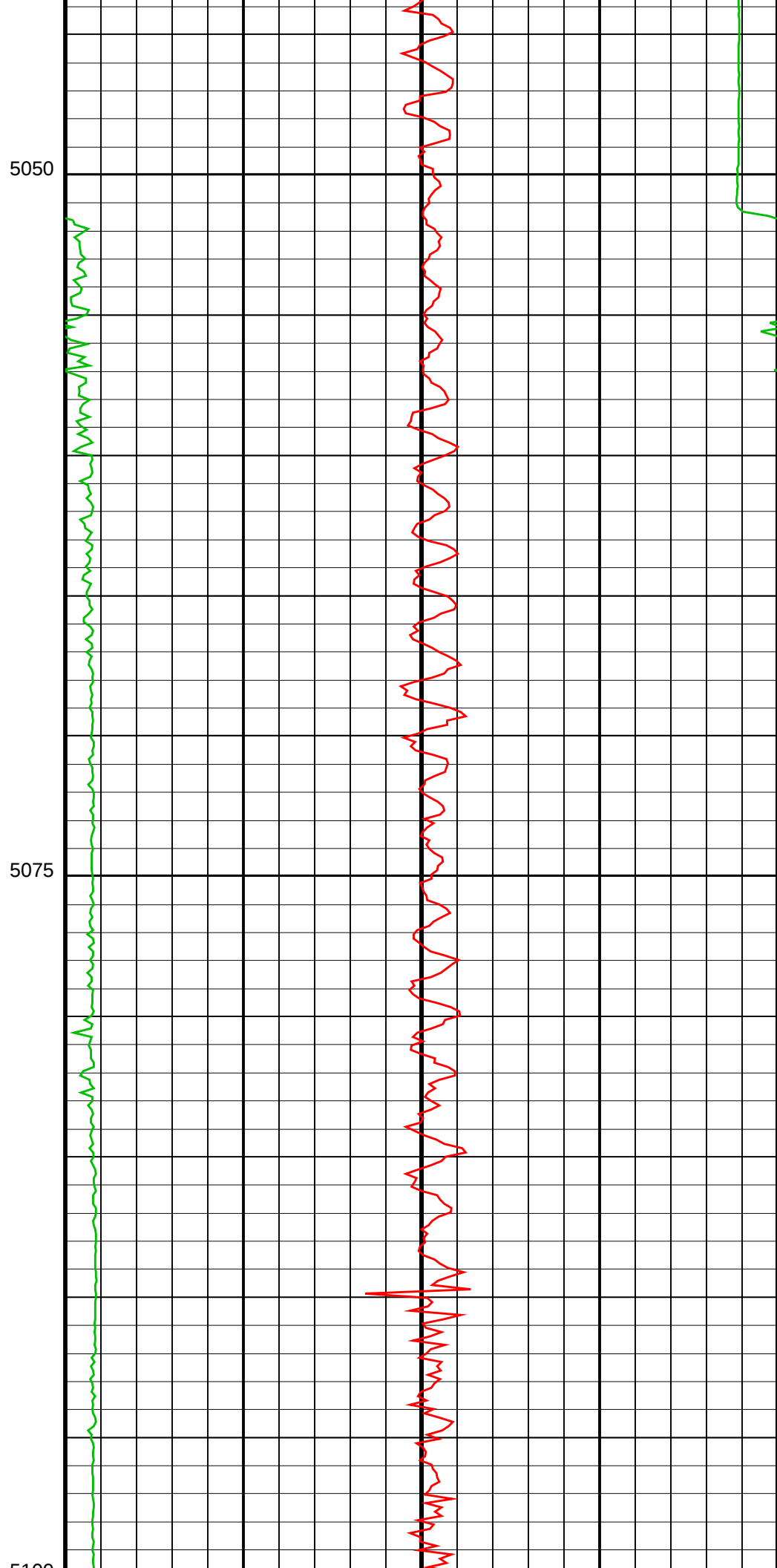
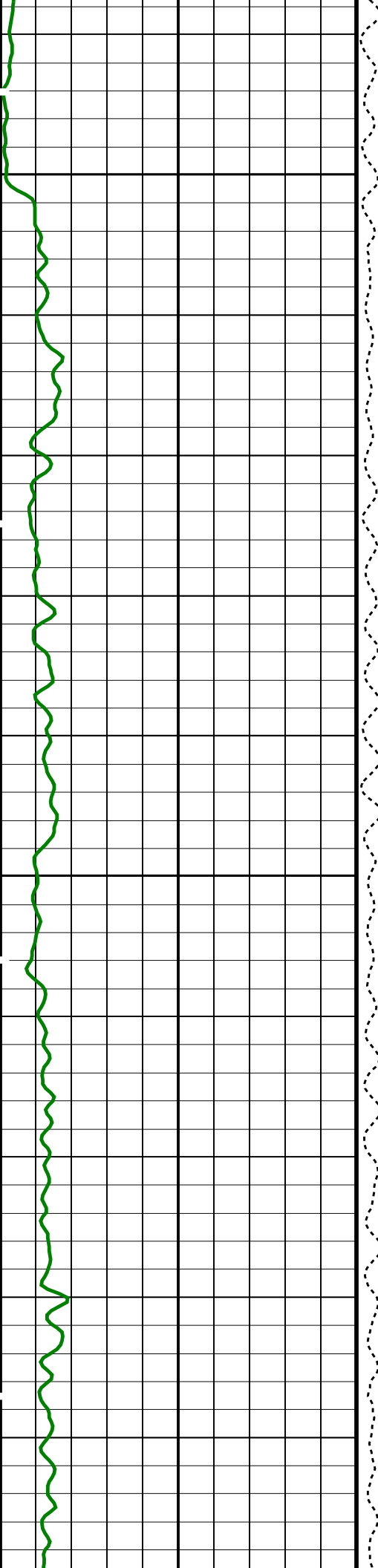
Parameters				
DLIS Name	Description	Value		
HRLT-B: High Resolution Laterolog Array – B				
BHS	Borehole Status	OPEN		
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC	
GCSE	Generalized Caliper Selection	LCAL		
GGRD	Geothermal Gradient	0.018227	DC/M	
GRSE	Generalized Mud Resistivity Selection	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	Centered		
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)	20	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	-0.00748228		
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	1.02885		
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.009		
EDTC-B: Enhanced DTS Cartridge				
BHS	Borehole Status	OPEN		
BHT	Bottom Hole Temperature (used in calculations)	20	DEGC	
GCSE	Generalized Caliper Selection	LCAL		
GGRD	Geothermal Gradient	0.018227	DC/M	
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9		

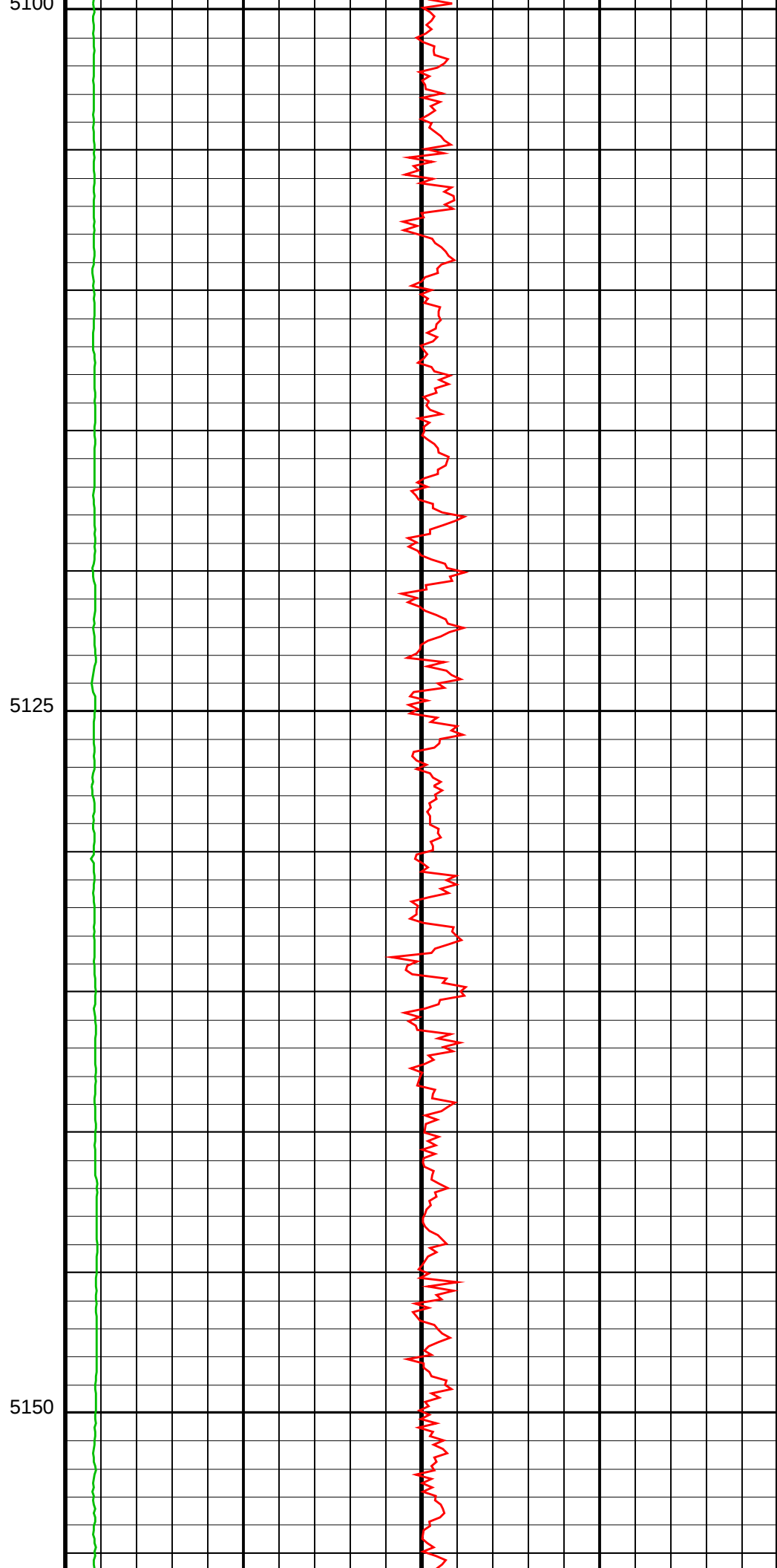
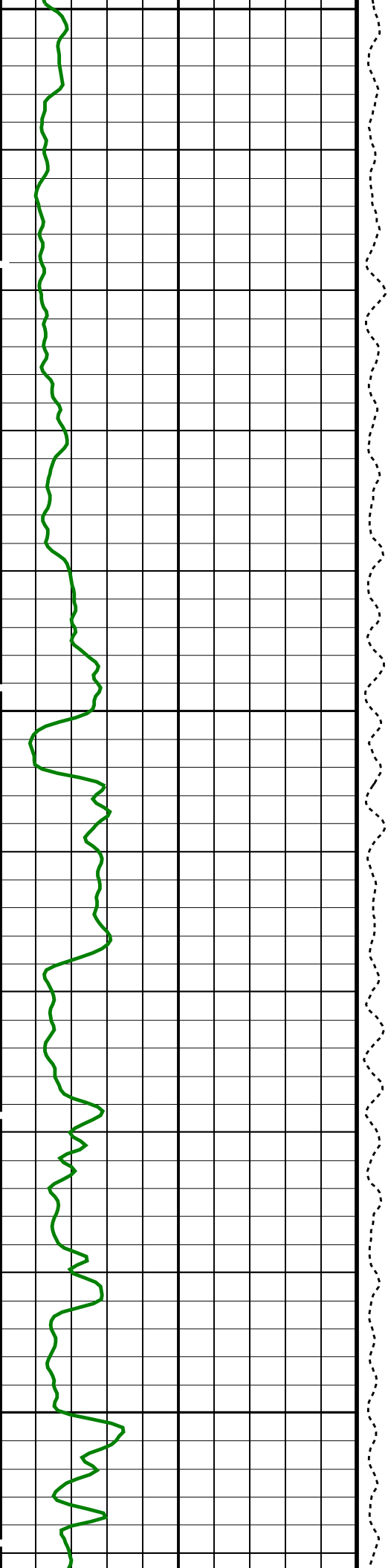


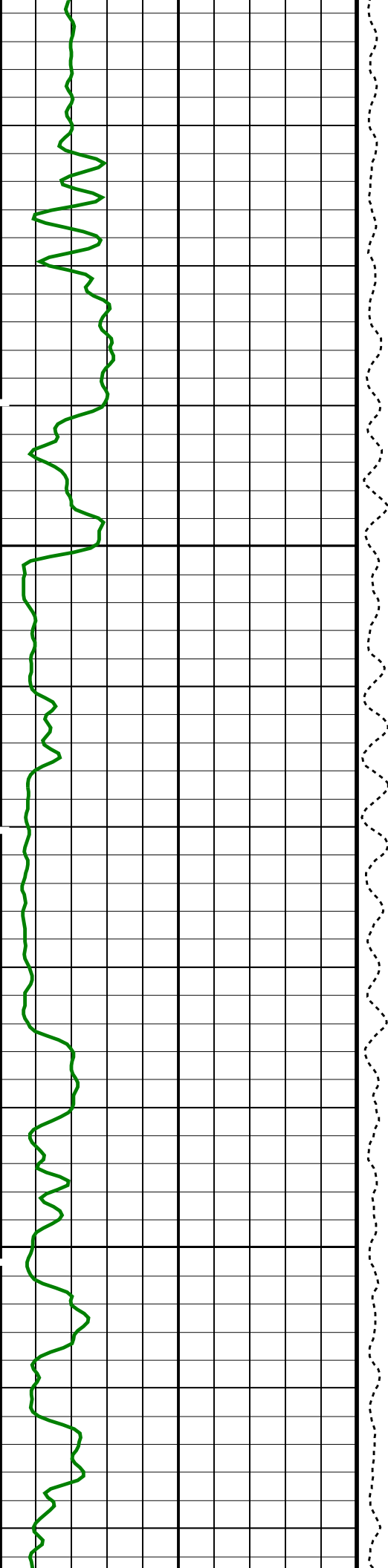
5000

5025



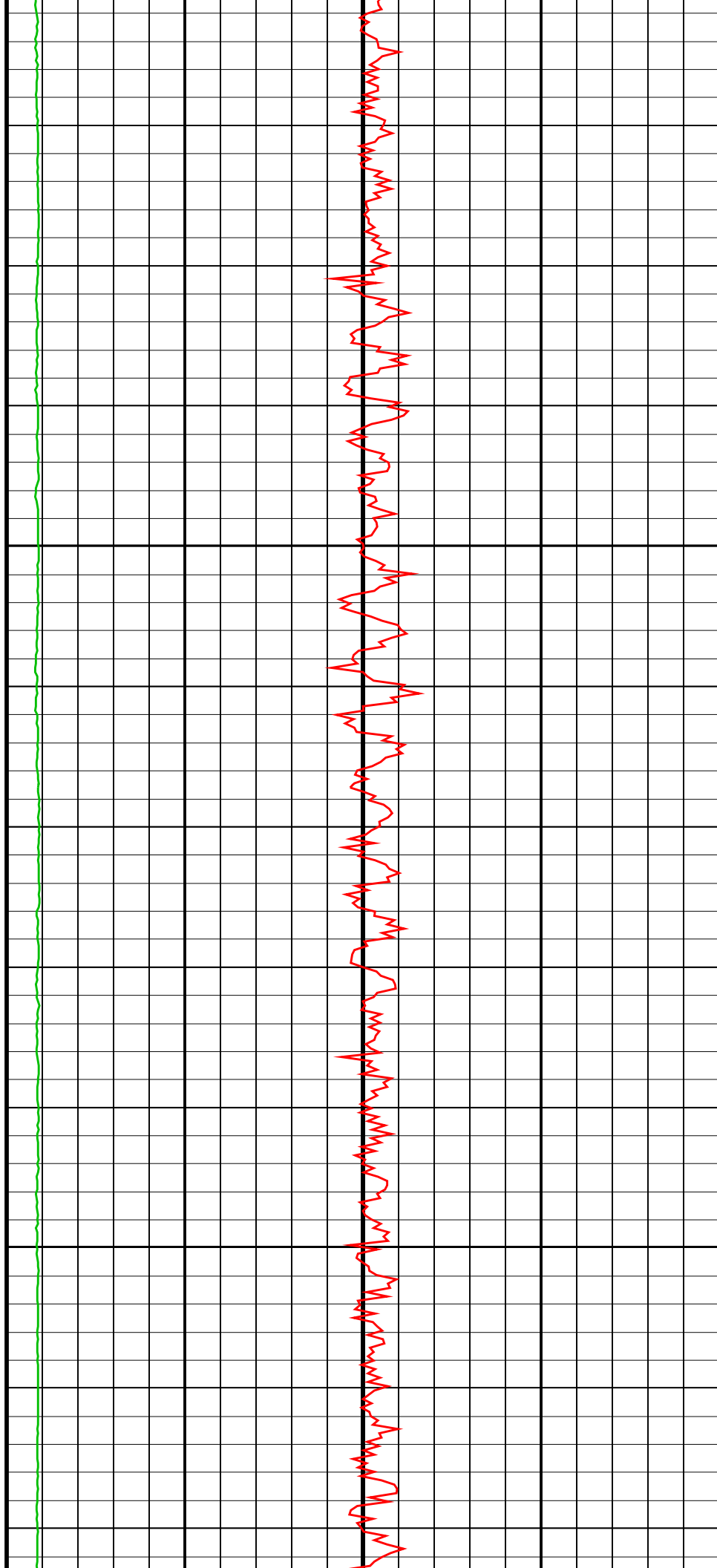


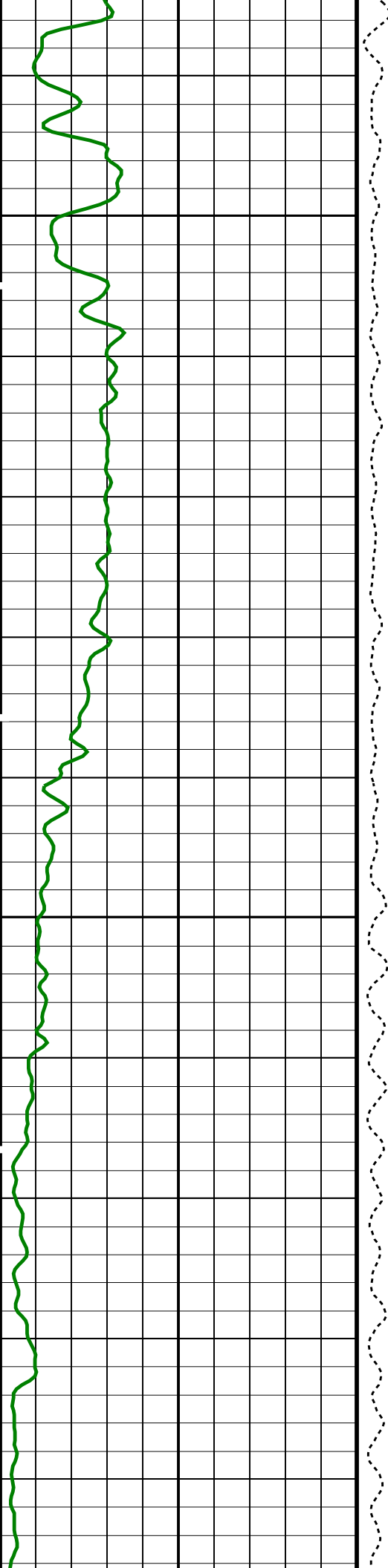




5175

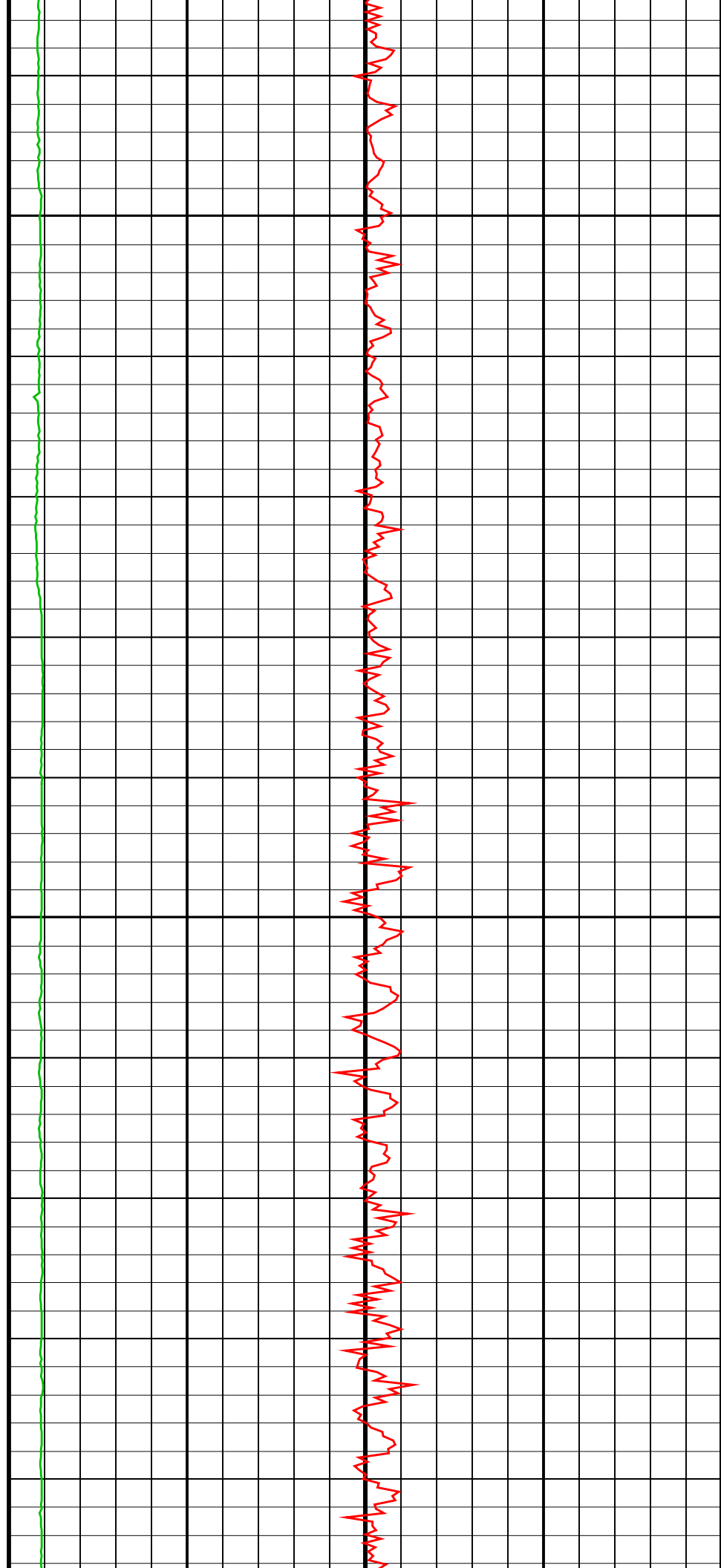
5200

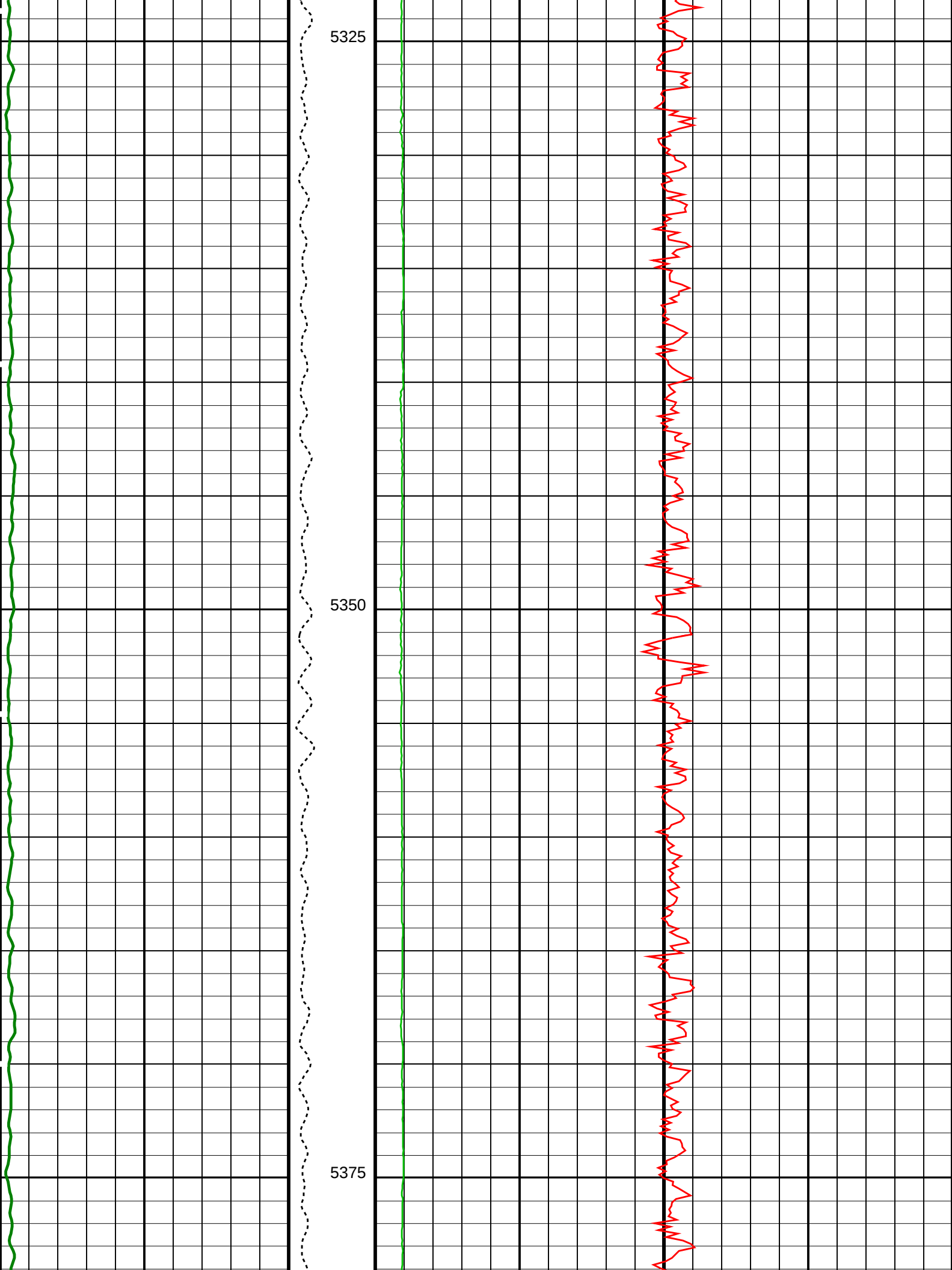


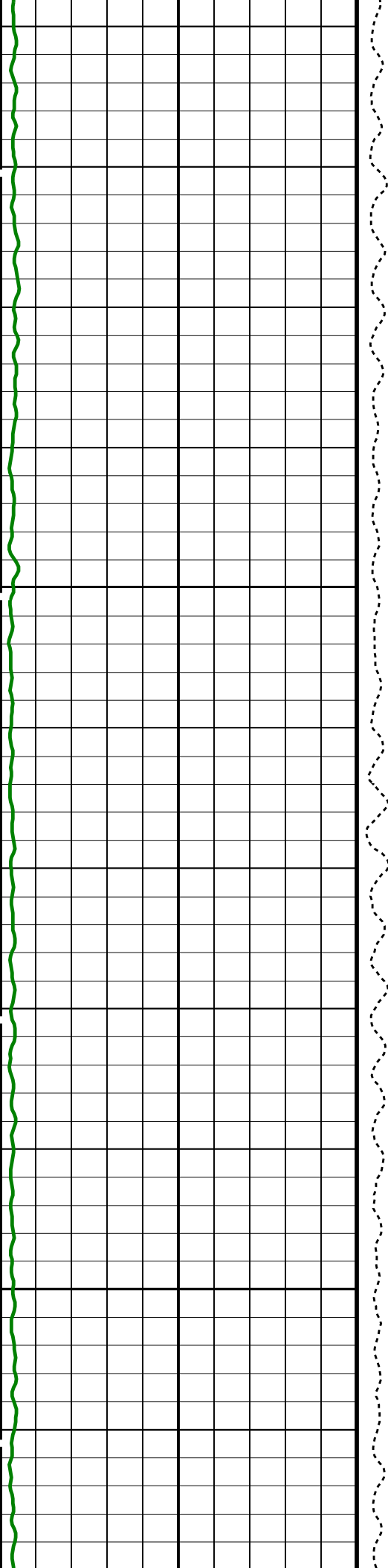


5275

5300

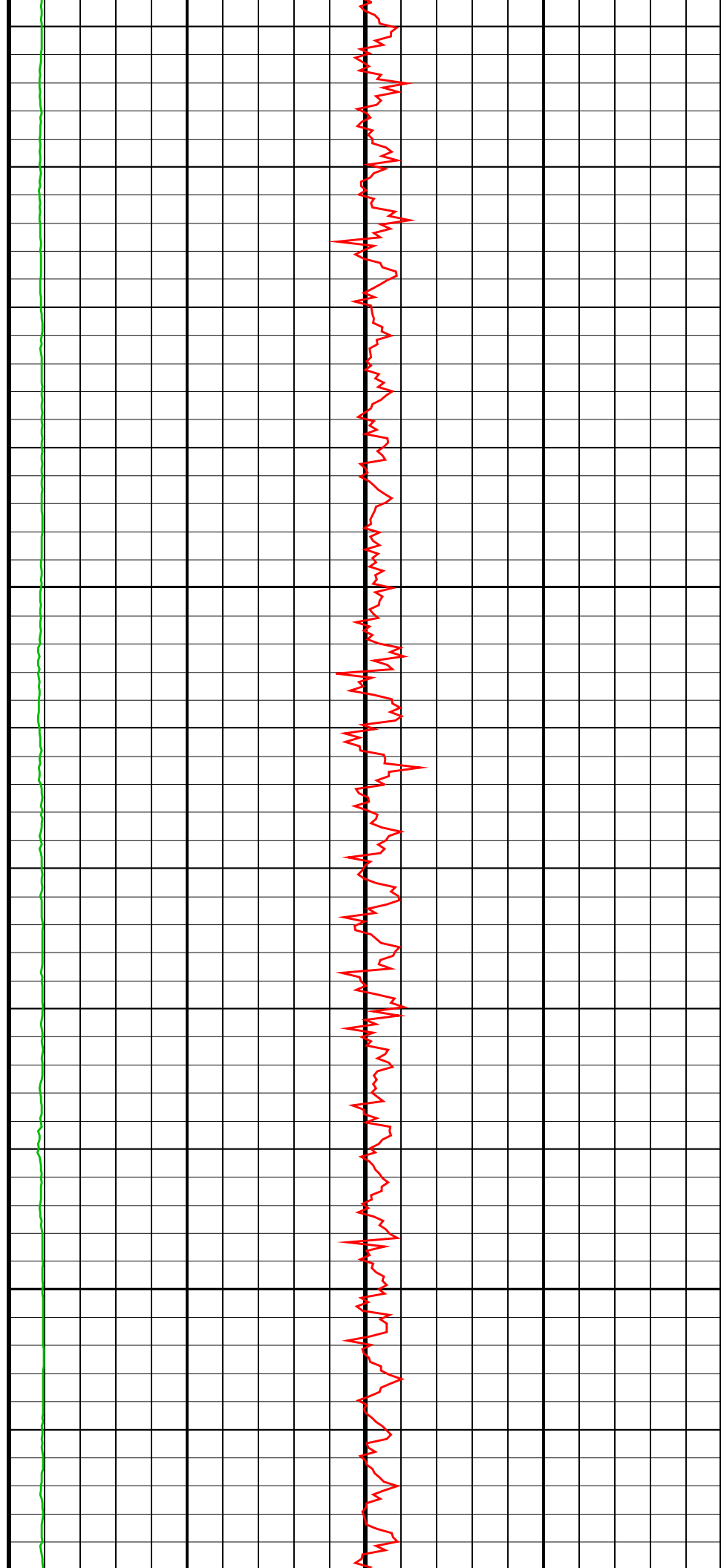


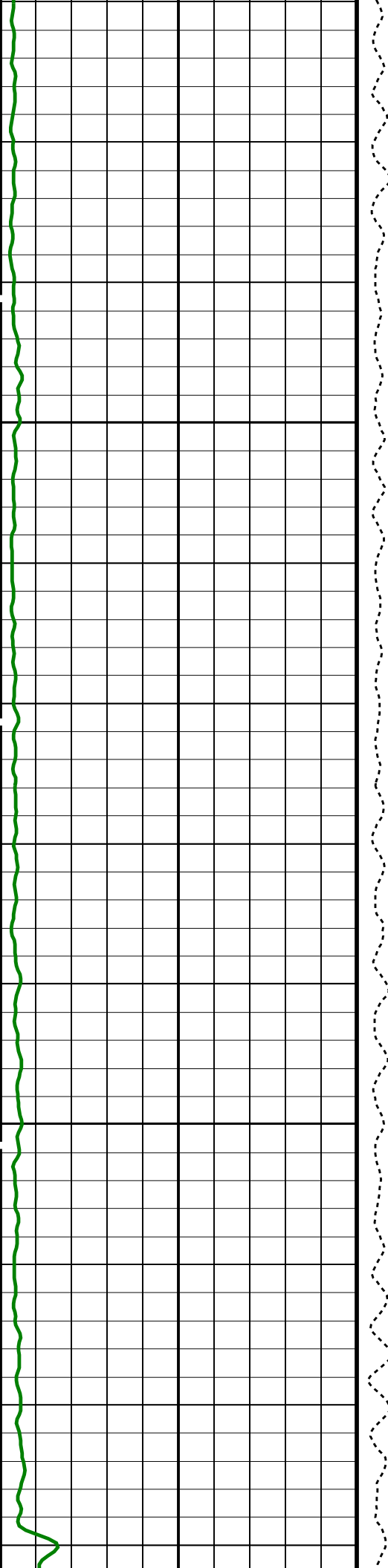




5400

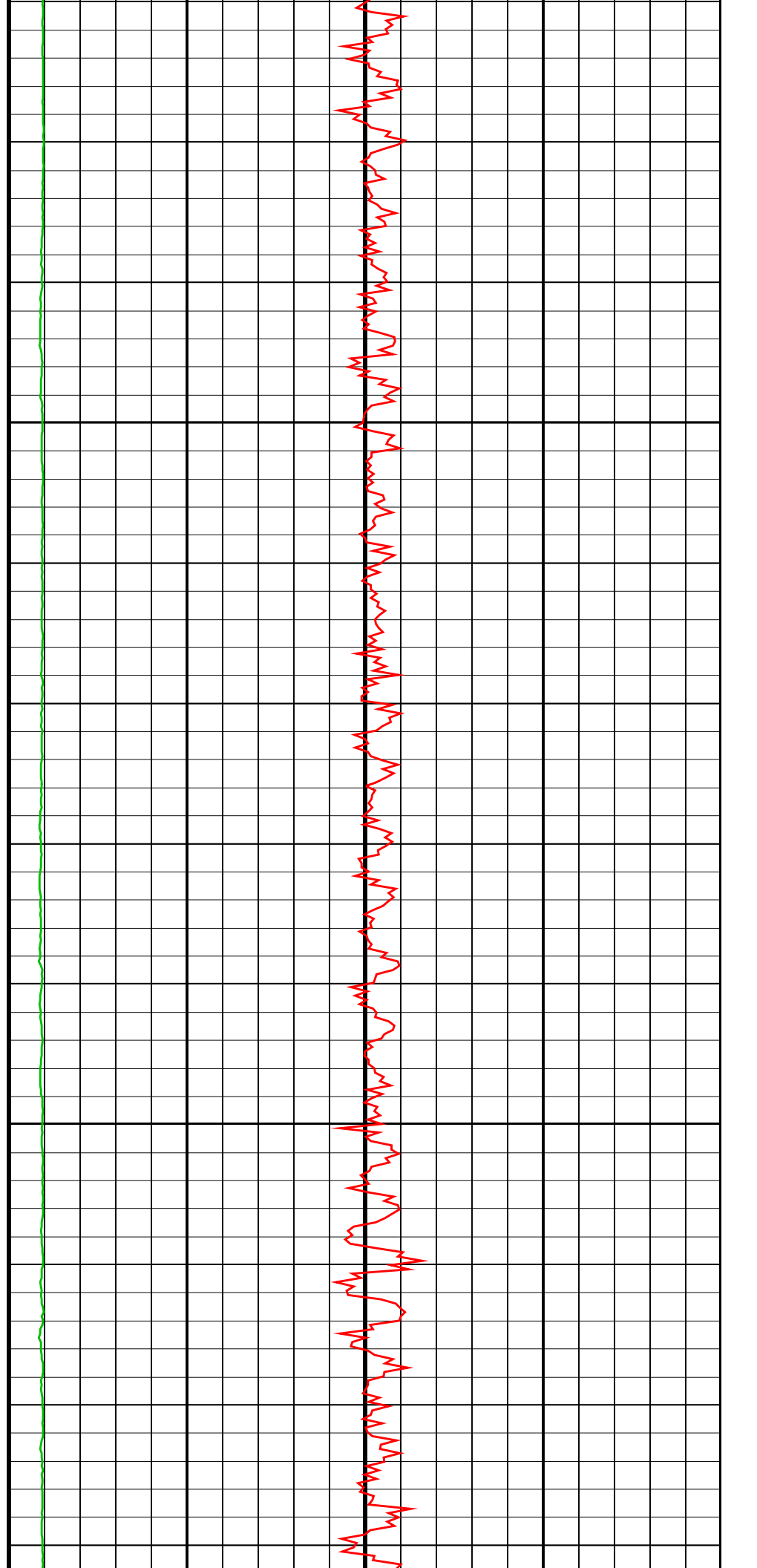
5425

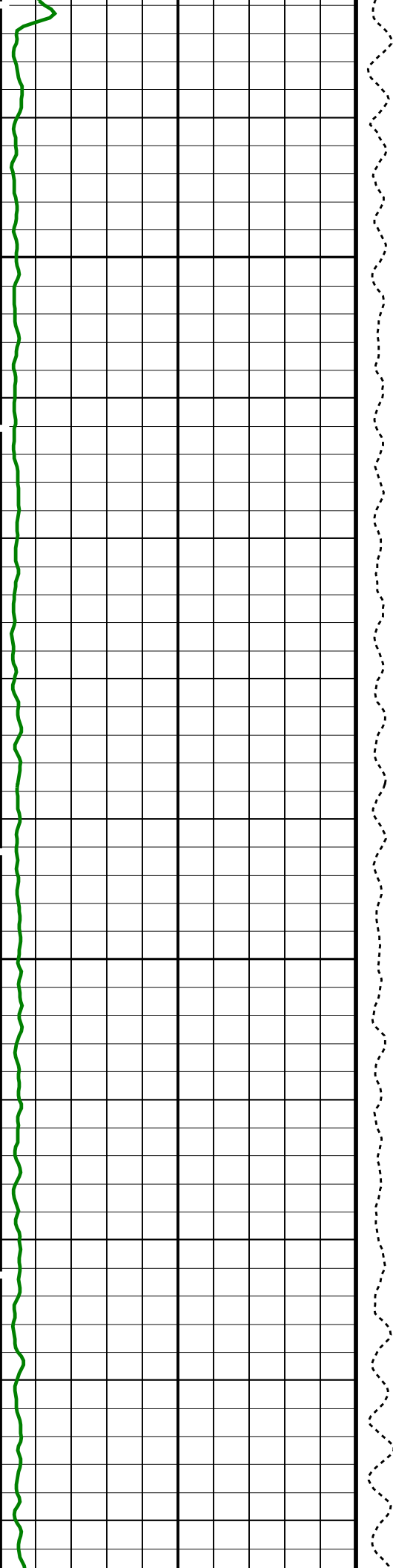




5450

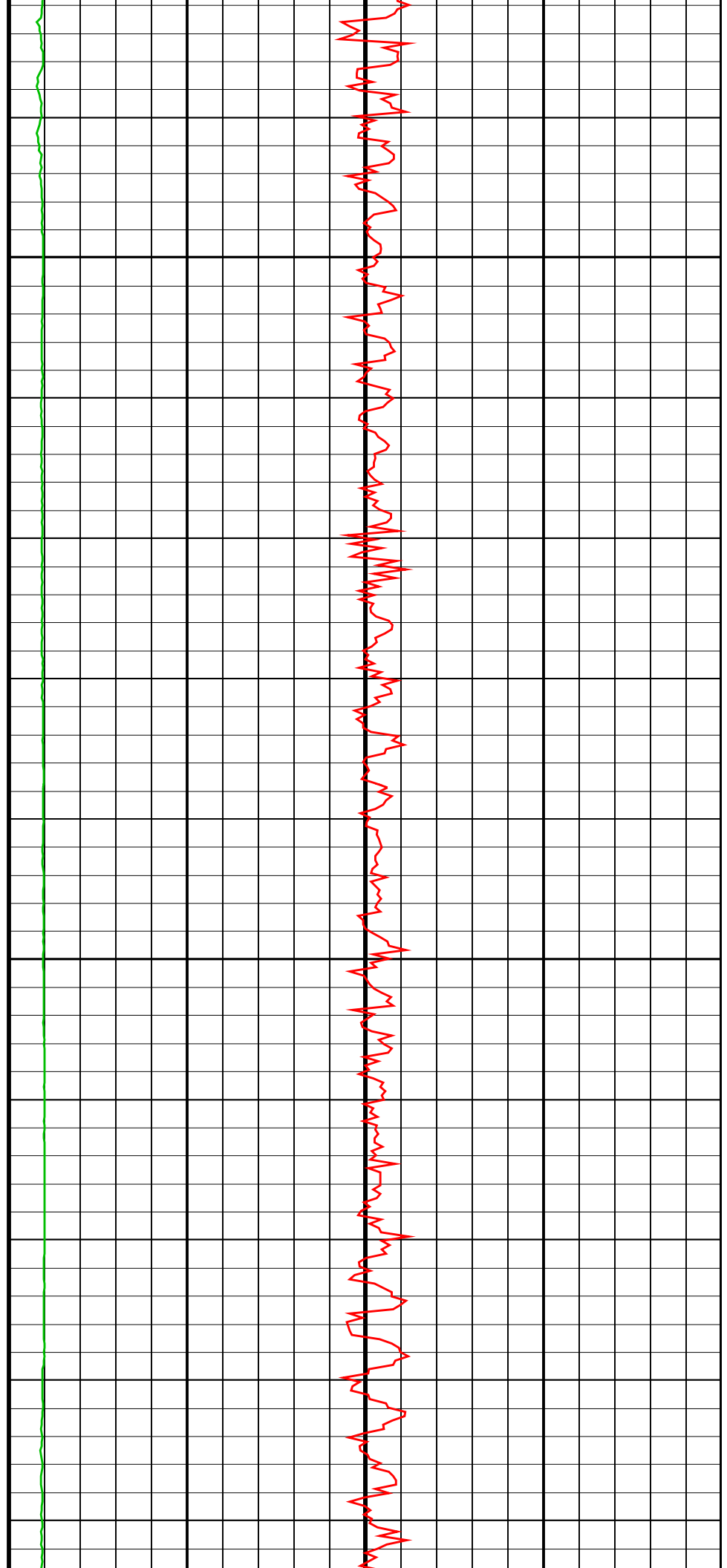
5475

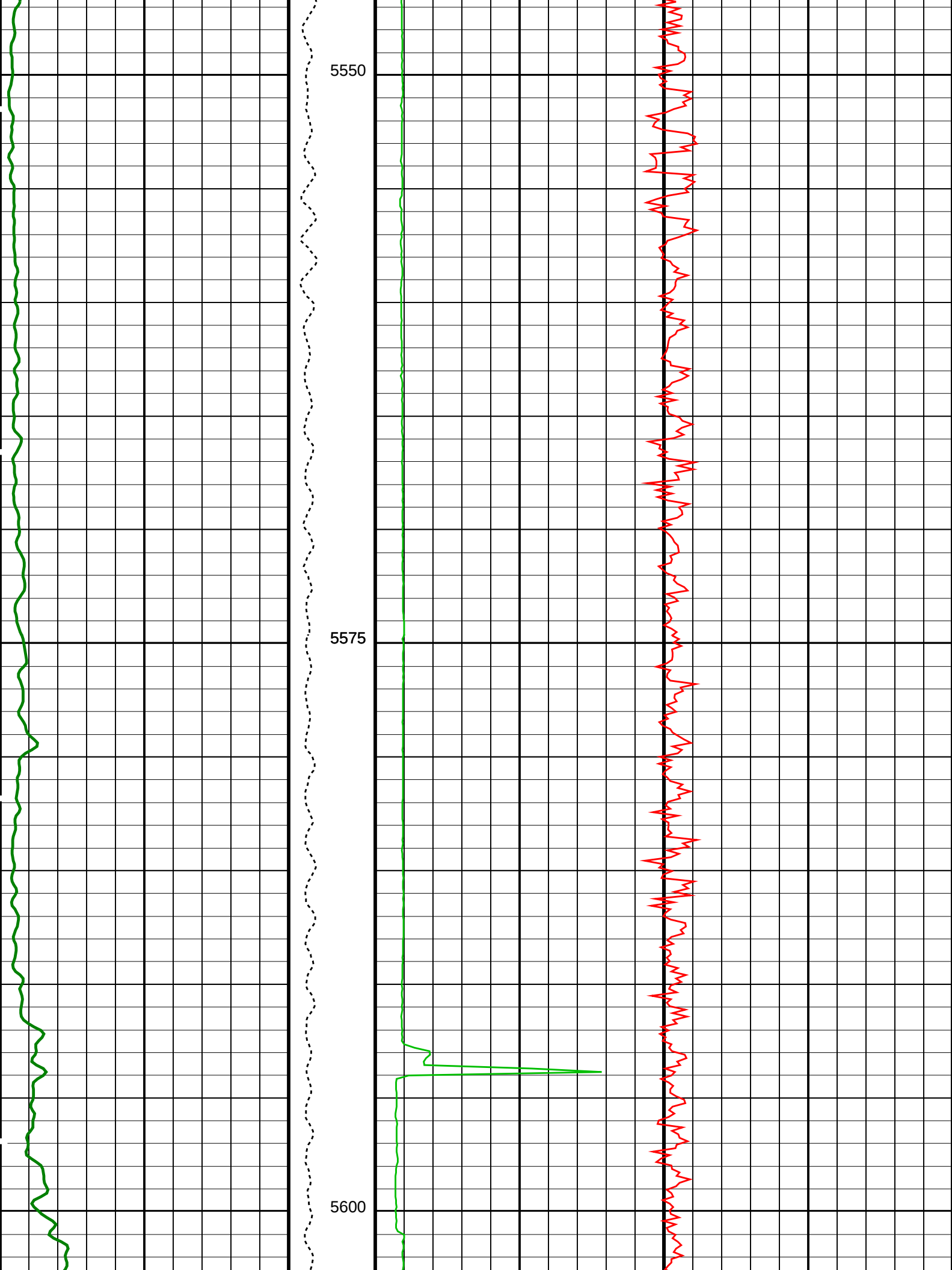


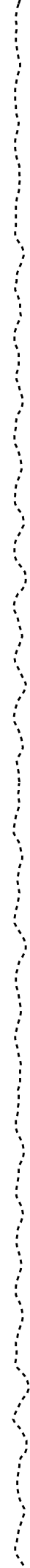
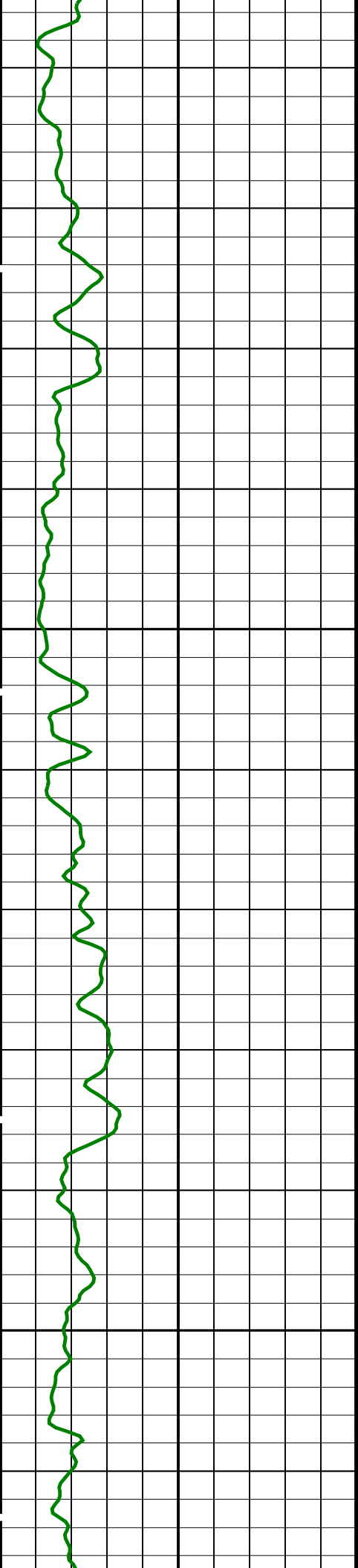


5500

5525

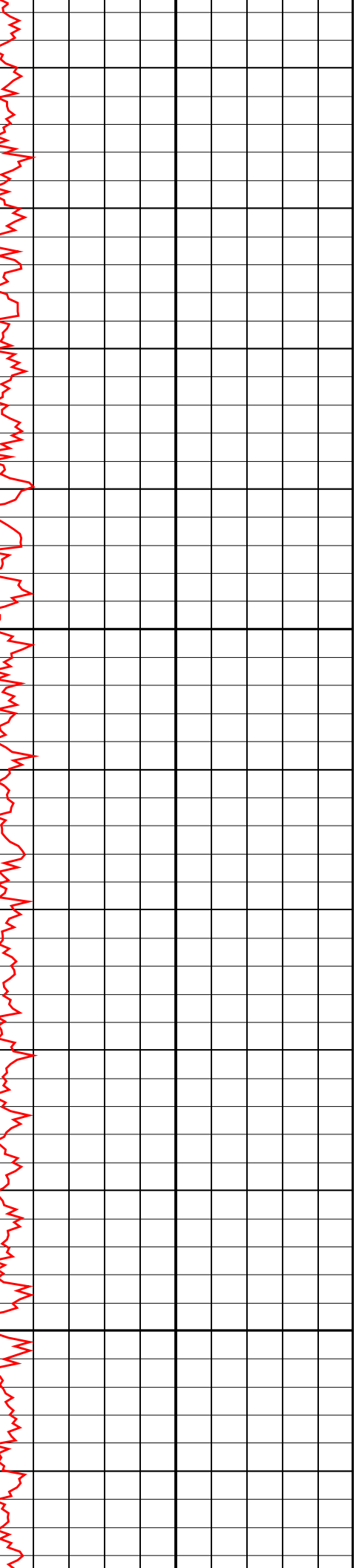
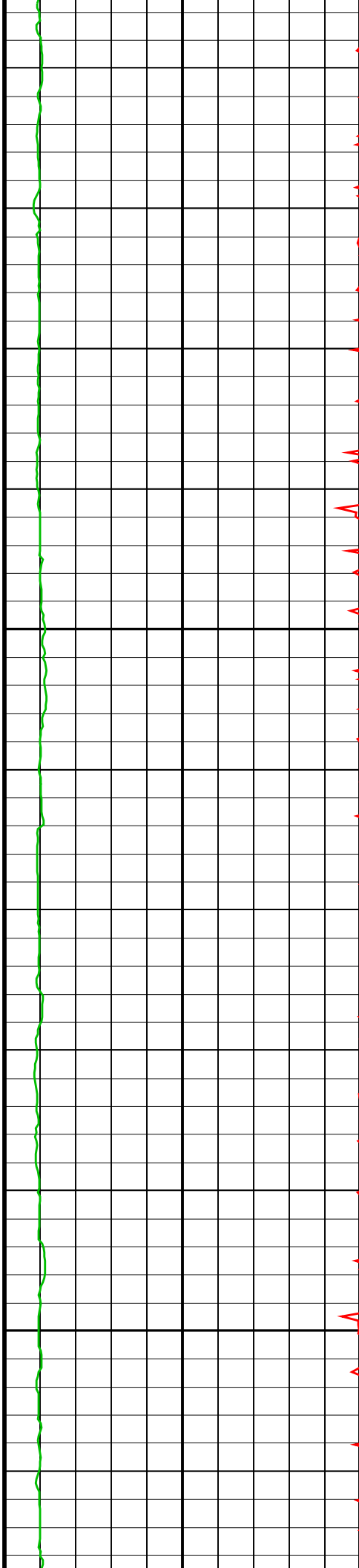


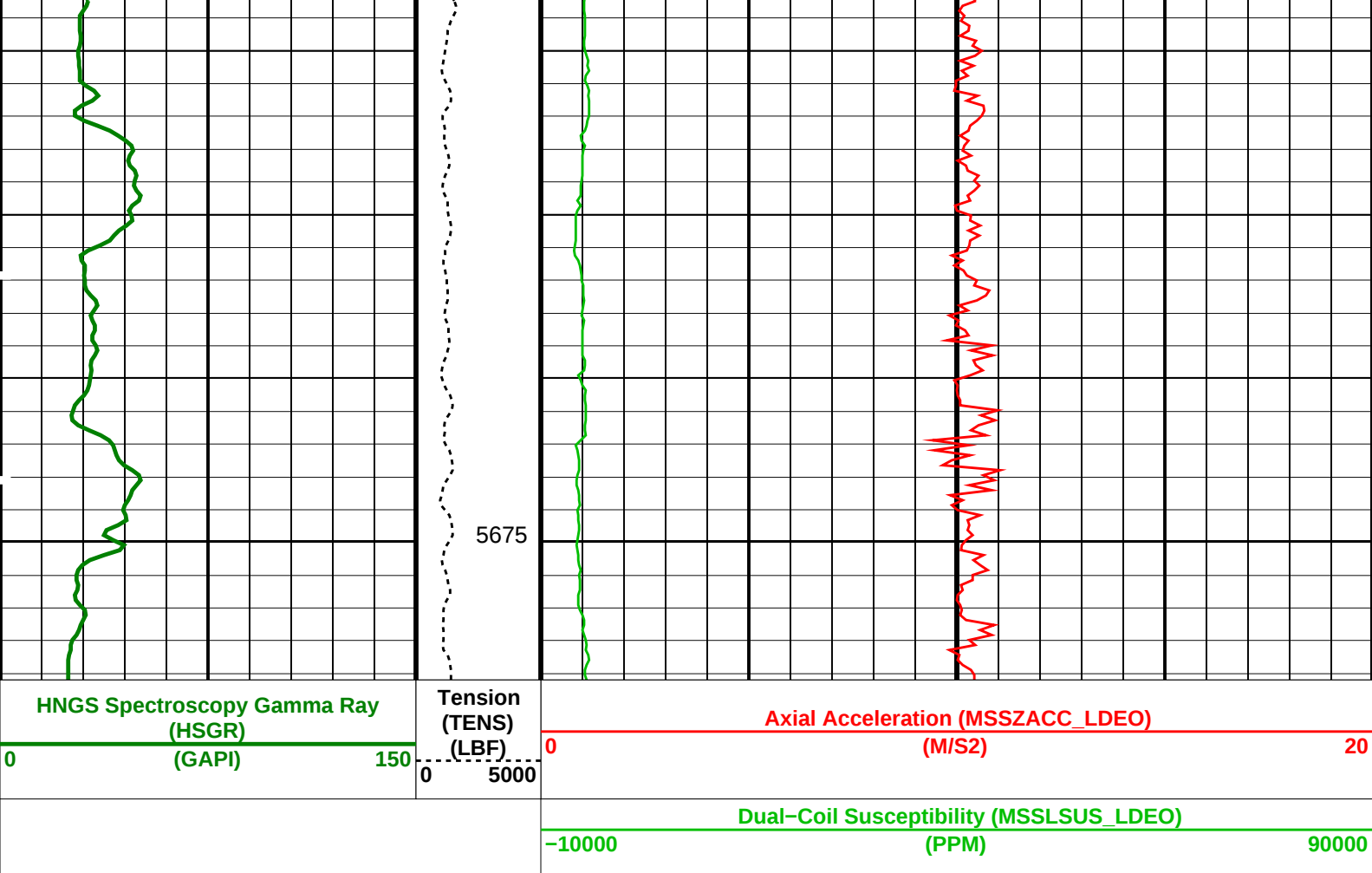




5625

5650





PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	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	-0.00748228	
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	1.02885	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.009	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	Flip_MSS_LDEO_HRLA_012LUP	PRODUCER	18-May-2022 02:49	5679.3 M	4976.6 M
---------	---------------------------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_013PUP	FN:17	PRODUCER	18-May-2022 02:49	
RTB	MSS_LDEO_HRLA_LDL_013PUP	FN:18	PRODUCER	18-May-2022 02:49	

Schlumberger

First Pass

MAXIS Field Log

Company: International Ocean Discovery ProgramWell: Expedition 390, Site U1557D

Input DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:9	PRODUCER	18-May-2022 00:15	5710.4 M	5586.2 M
---------	--------------------------	------	----------	-------------------	----------	----------

Output DLIS Files

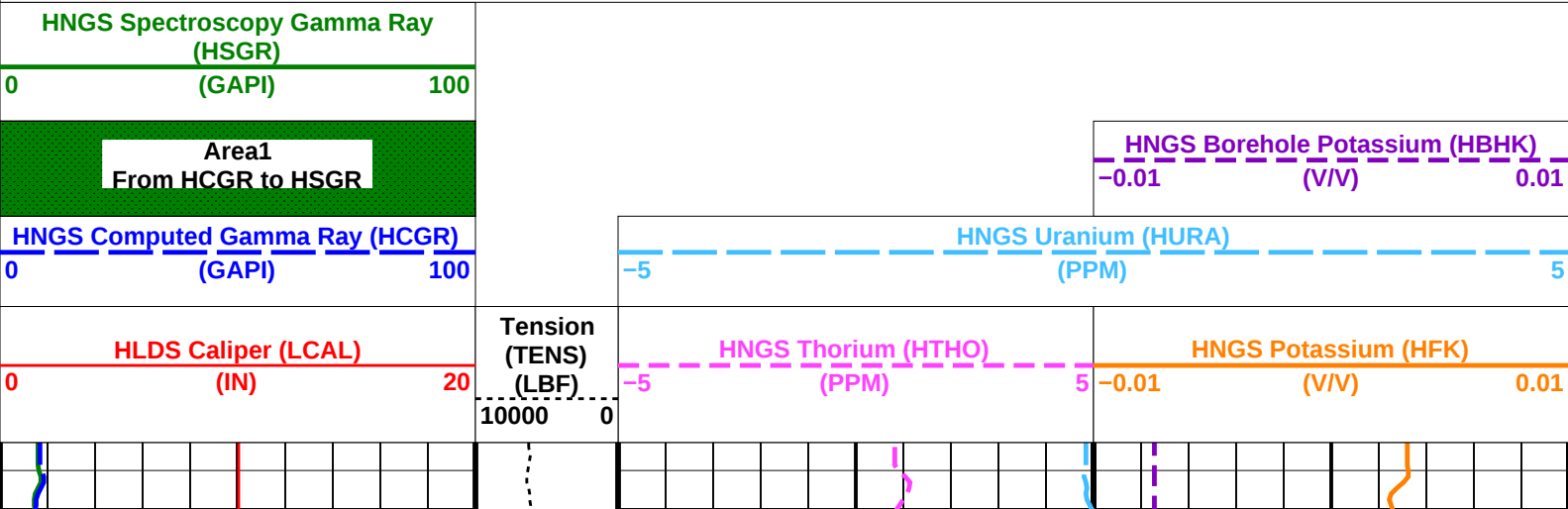
DEFAULT	MSS_LDEO_HRLA_LDL_011PUP	FN:15	PRODUCER	18-May-2022 02:47	5710.4 M	5586.2 M
RTB	MSS_LDEO_HRLA_LDL_011PUP	FN:16	PRODUCER	18-May-2022 02:47	5710.4 M	5586.2 M

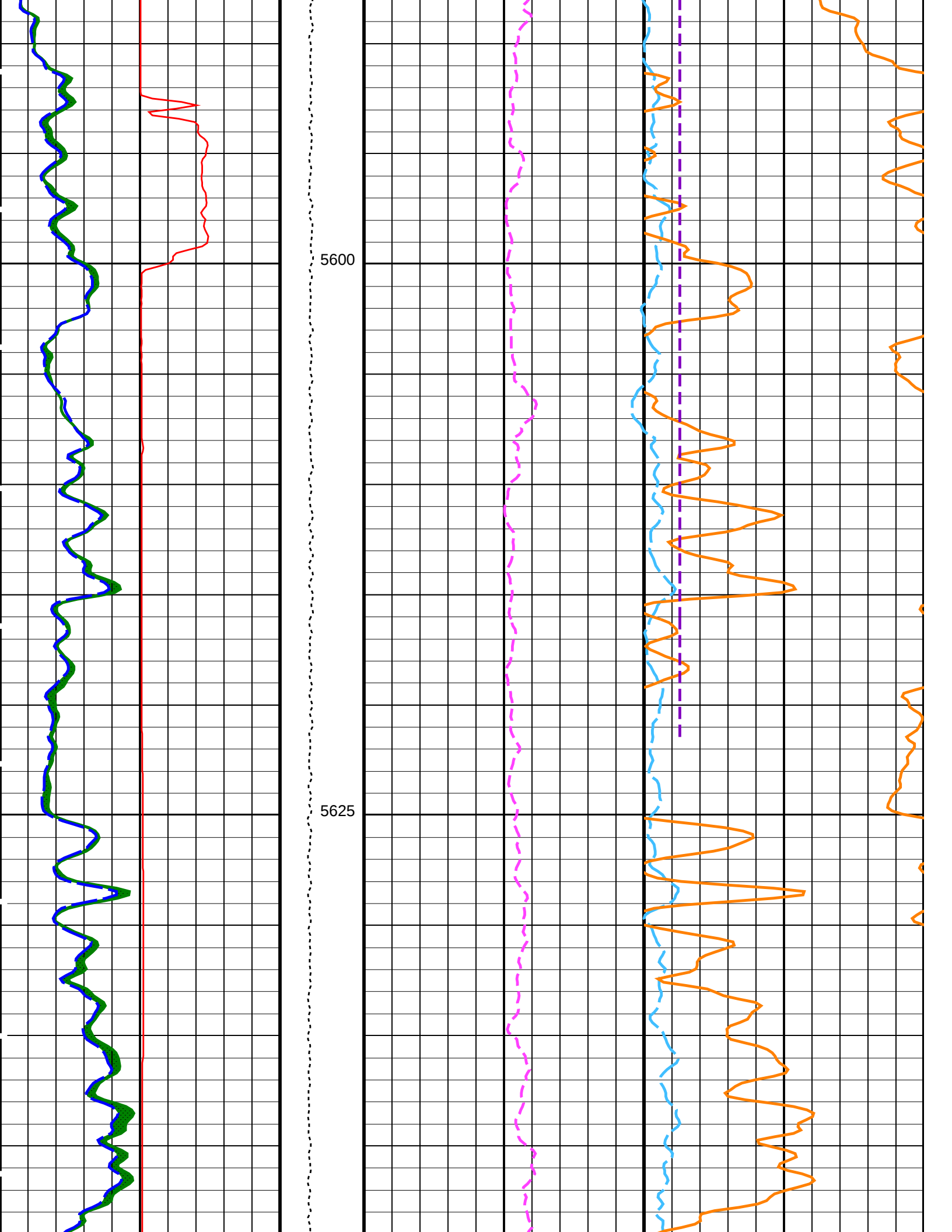
OP System Version: 19C0-187

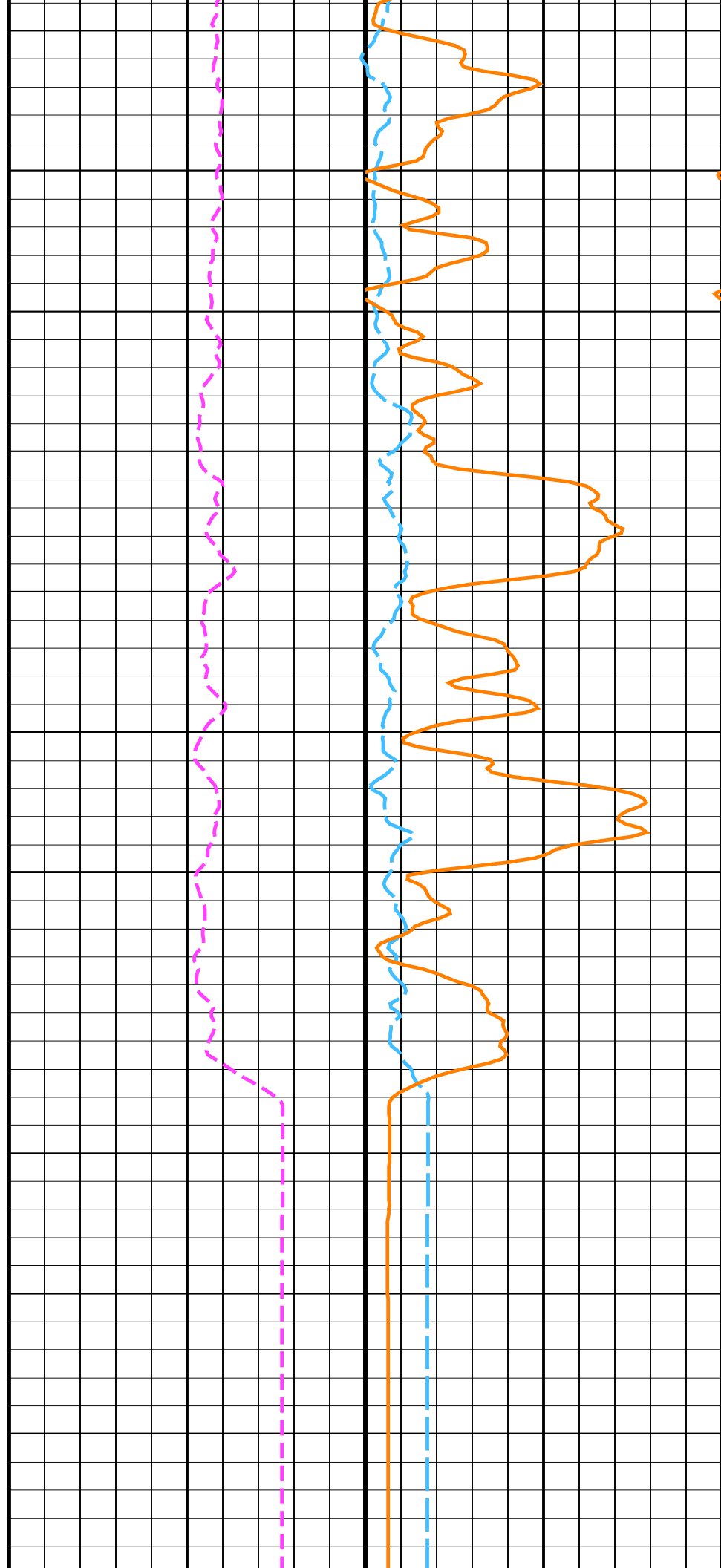
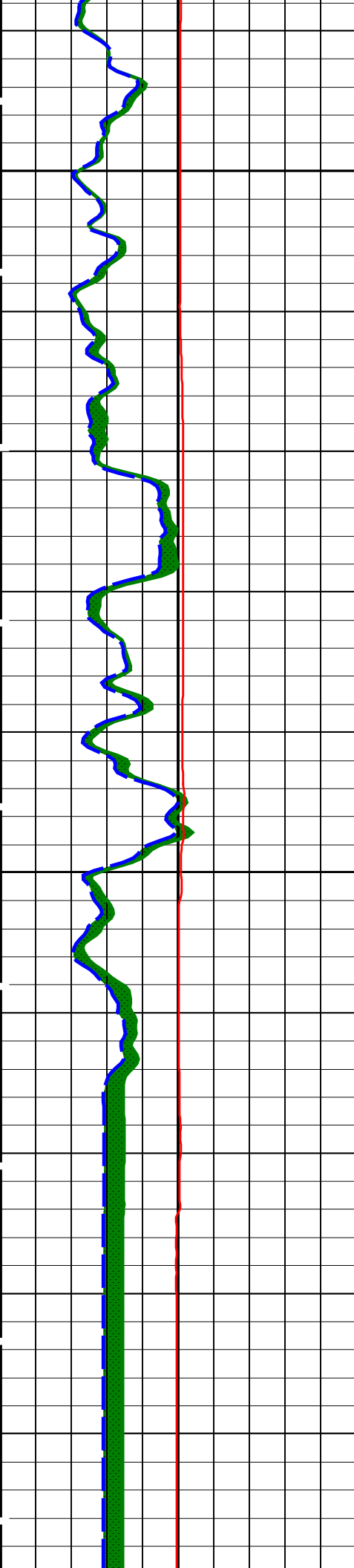
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

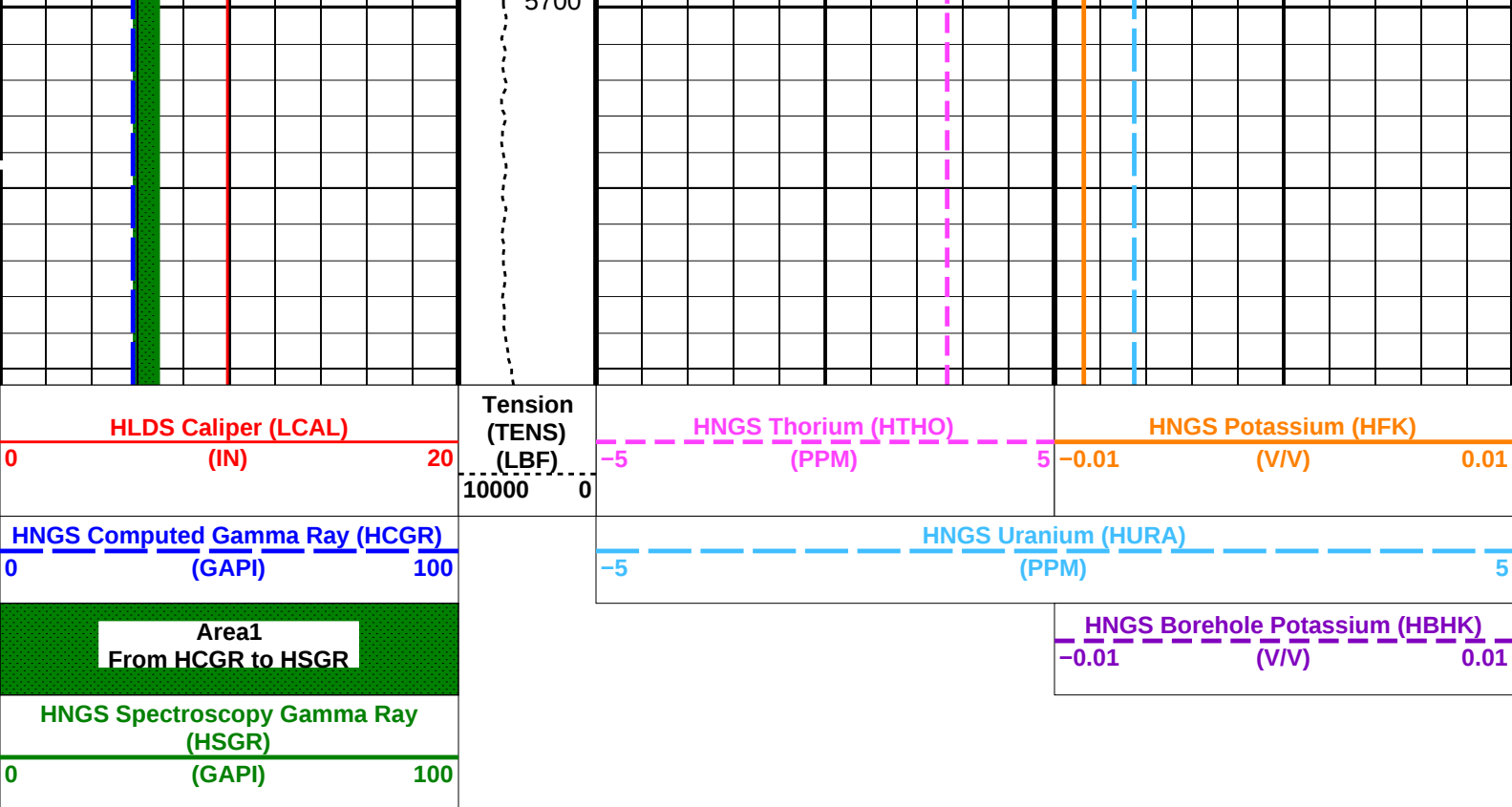
PIP SUMMARY

Time Mark Every 60 S









PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
HRLT-B: High Resolution Laterolog Array – B			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	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	-0.0416828	
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	1.06391	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.04793	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: HNGSYields

Vertical Scale: 1:200

Graphics File Created: 18-May-2022 02:47

OP System Version: 19C0-187

MSS_LDEO-A

19C0-187

HRLT-B

19C0-187

HLDS

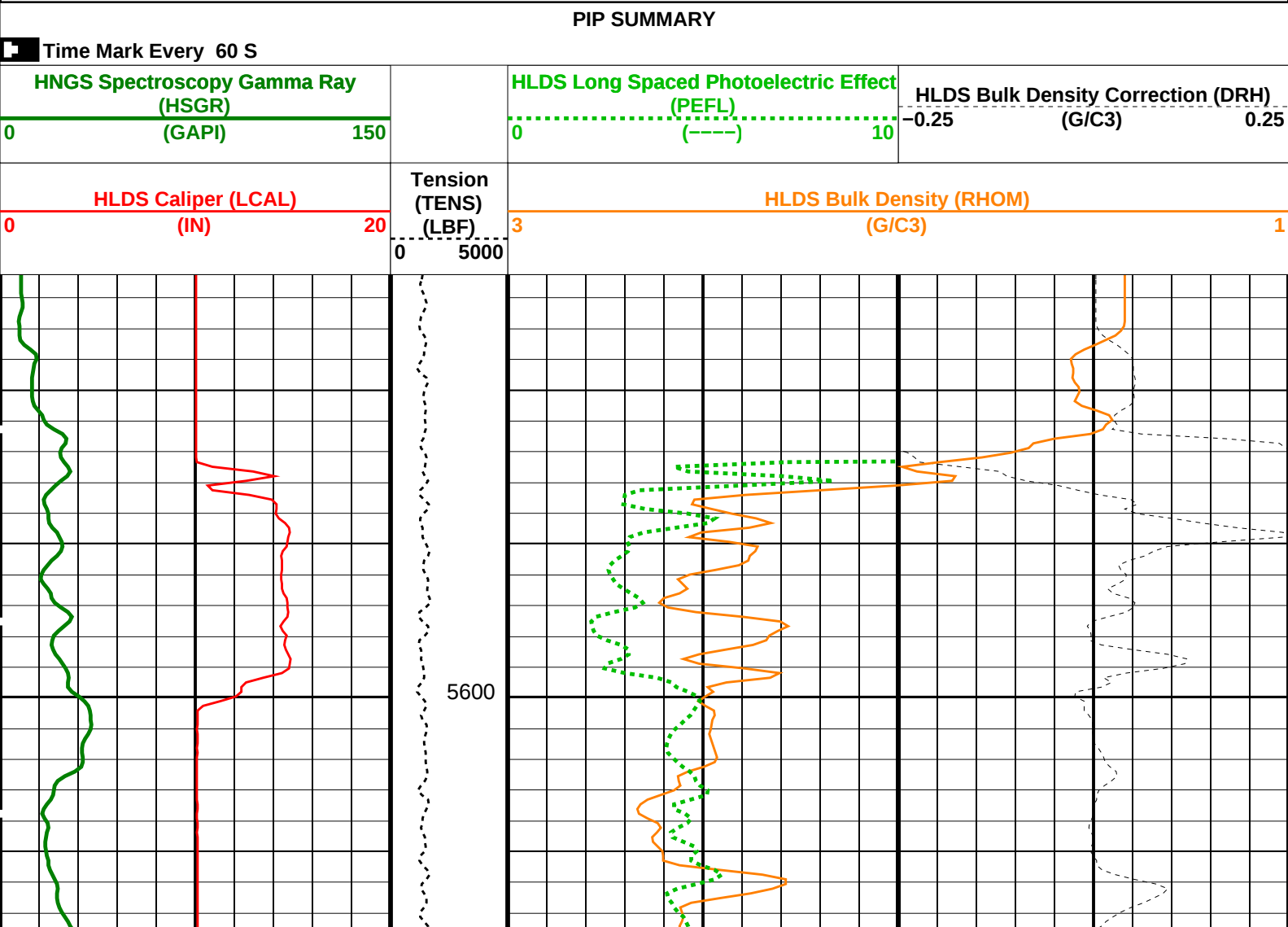
19C0-187

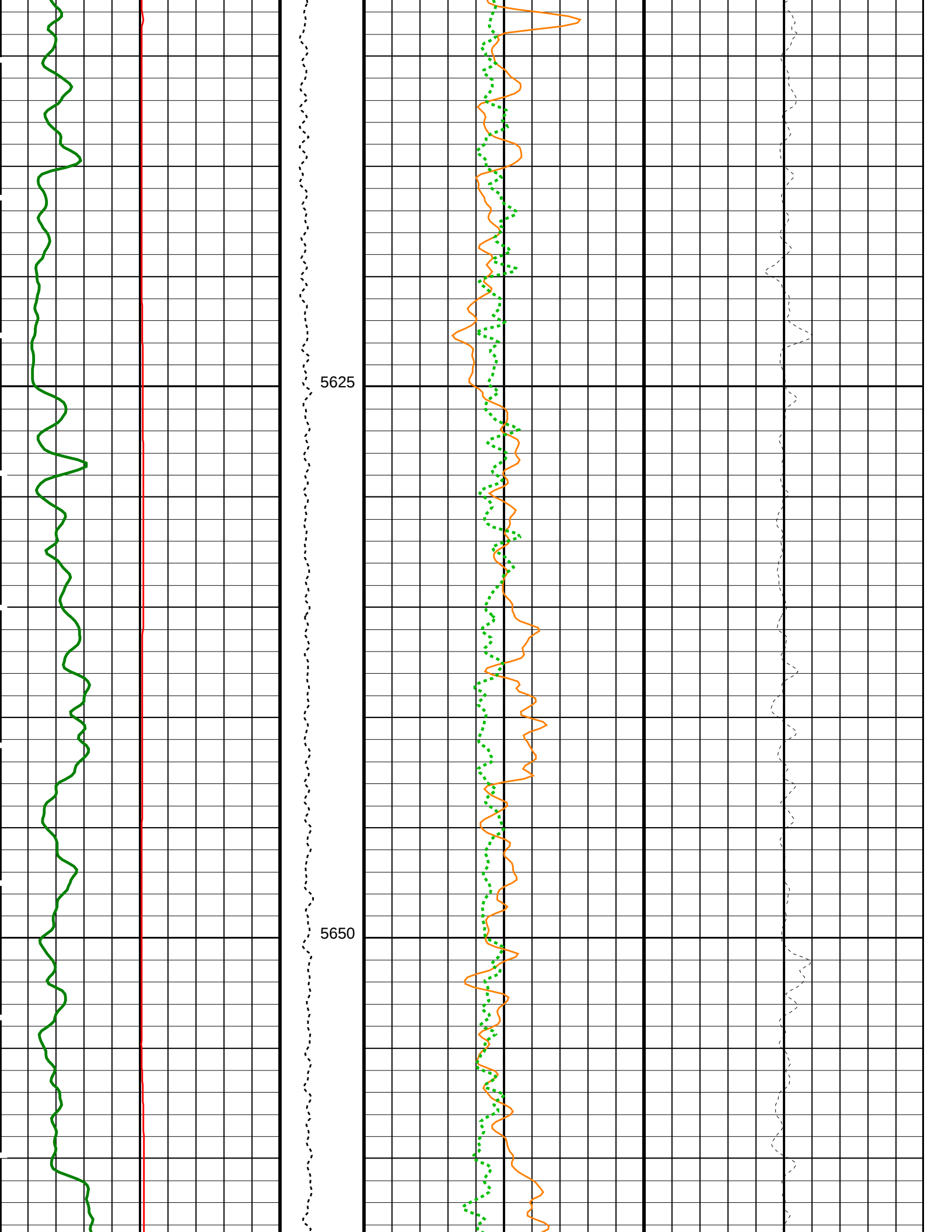
LDSC-B

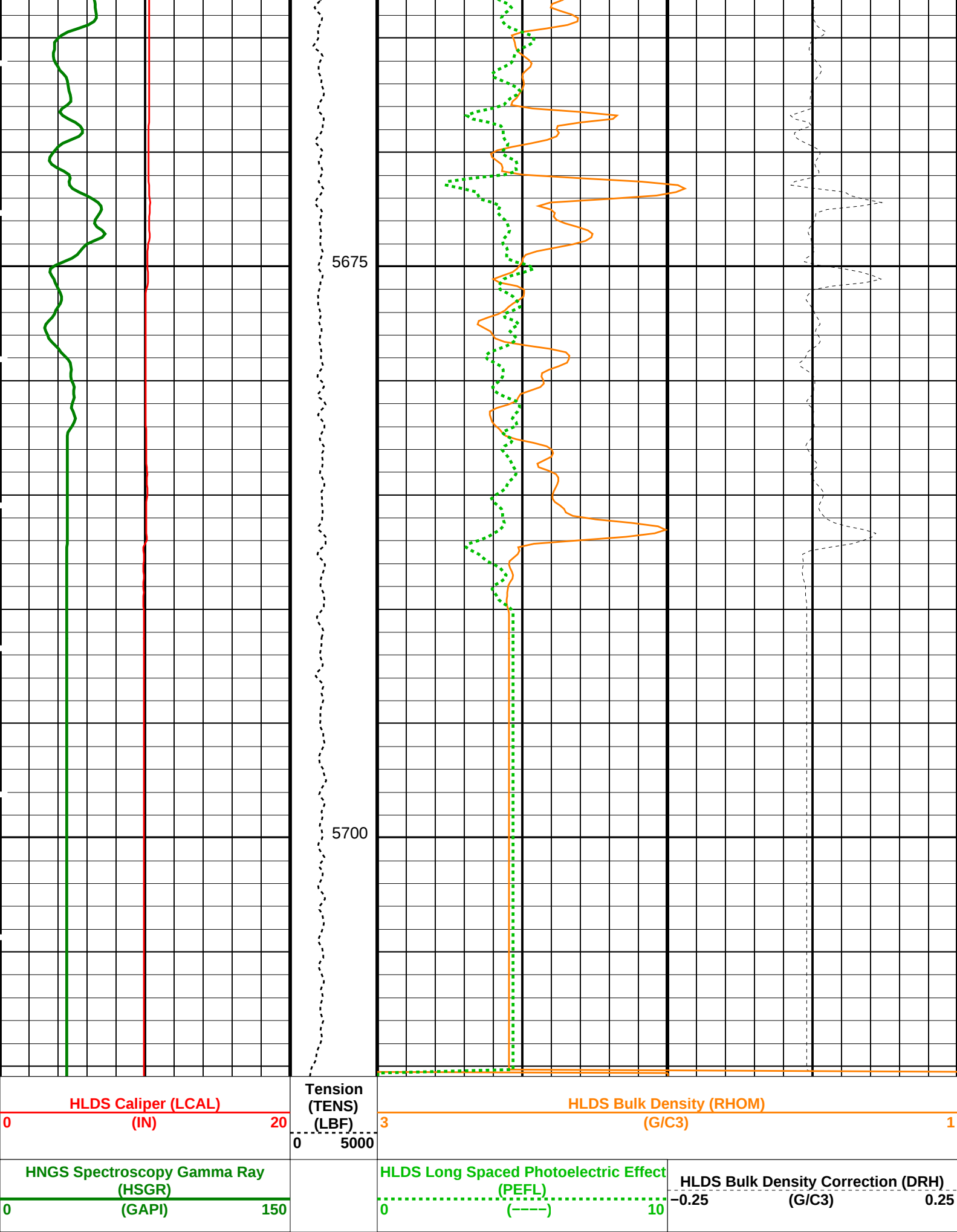
19C0-187

HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		
Input DLIS Files			
DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:9	PRODUCER 18-May-2022 00:15 5710.4 M 5586.2 M
Output DLIS Files			
DEFAULT	MSS_LDEO_HRLA_LDL_011PUP	FN:15	PRODUCER 18-May-2022 02:47
RTB	MSS_LDEO_HRLA_LDL_011PUP	FN:16	PRODUCER 18-May-2022 02:47

Company: International Ocean Discovery Program				Well: Expedition 390, Site U1557D		
Input DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:9	PRODUCER	18-May-2022 00:15	5710.4 M	5586.2 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_011PUP	FN:15	PRODUCER	18-May-2022 02:47	5710.4 M	5586.2 M
RTB	MSS_LDEO_HRLA_LDL_011PUP	FN:16	PRODUCER	18-May-2022 02:47	5710.4 M	5586.2 M
OP System Version: 19C0-187						
MSS_LDEO-A	19C0-187		HRLT-B	19C0-187		
HLDS	19C0-187		LDSC-B	19C0-187		
HNGC-B	19C0-187		HNGS-BA	19C0-187		
EDTC-B	SKK-5169-EDTCB					







PIP SUMMARY

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		OFF		
MDEN		Matrix Density		2.71	G/C3	
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		-0.0416828		
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		1.06391		
VBA2		HNGS Detector 2 Variable Barite Factor Running Average		1.04793		
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	
DO		Depth Offset for Playback		0.0	M	
PP		Playback Processing		RECOMPUTE		
Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 18-May-2022 02:47						
OP System Version: 19C0-187						
MSS_LDEO-A	19C0-187		HRLT-B	19C0-187		
HLDS	19C0-187		LDSC-B	19C0-187		
HNGC-B	19C0-187		HNGS-BA	19C0-187		
EDTC-B	SKK-5169-EDTCB					
Input DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:9	PRODUCER	18-May-2022 00:15	5710.4 M	5586.2 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_011PUP	FN:15	PRODUCER	18-May-2022 02:47		
RTB	MSS_LDEO_HRLA_LDL_011PUP	FN:16	PRODUCER	18-May-2022 02:47		
Company: International Ocean Discovery Program Well: Expedition 390, Site U1557D						
Input DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:9	PRODUCER	18-May-2022 00:15	5710.4 M	5586.2 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_011PUP	FN:15	PRODUCER	18-May-2022 02:47	5710.4 M	5586.2 M
RTB	MSS_LDEO_HRLA_LDL_011PUP	FN:16	PRODUCER	18-May-2022 02:47	5710.4 M	5586.2 M

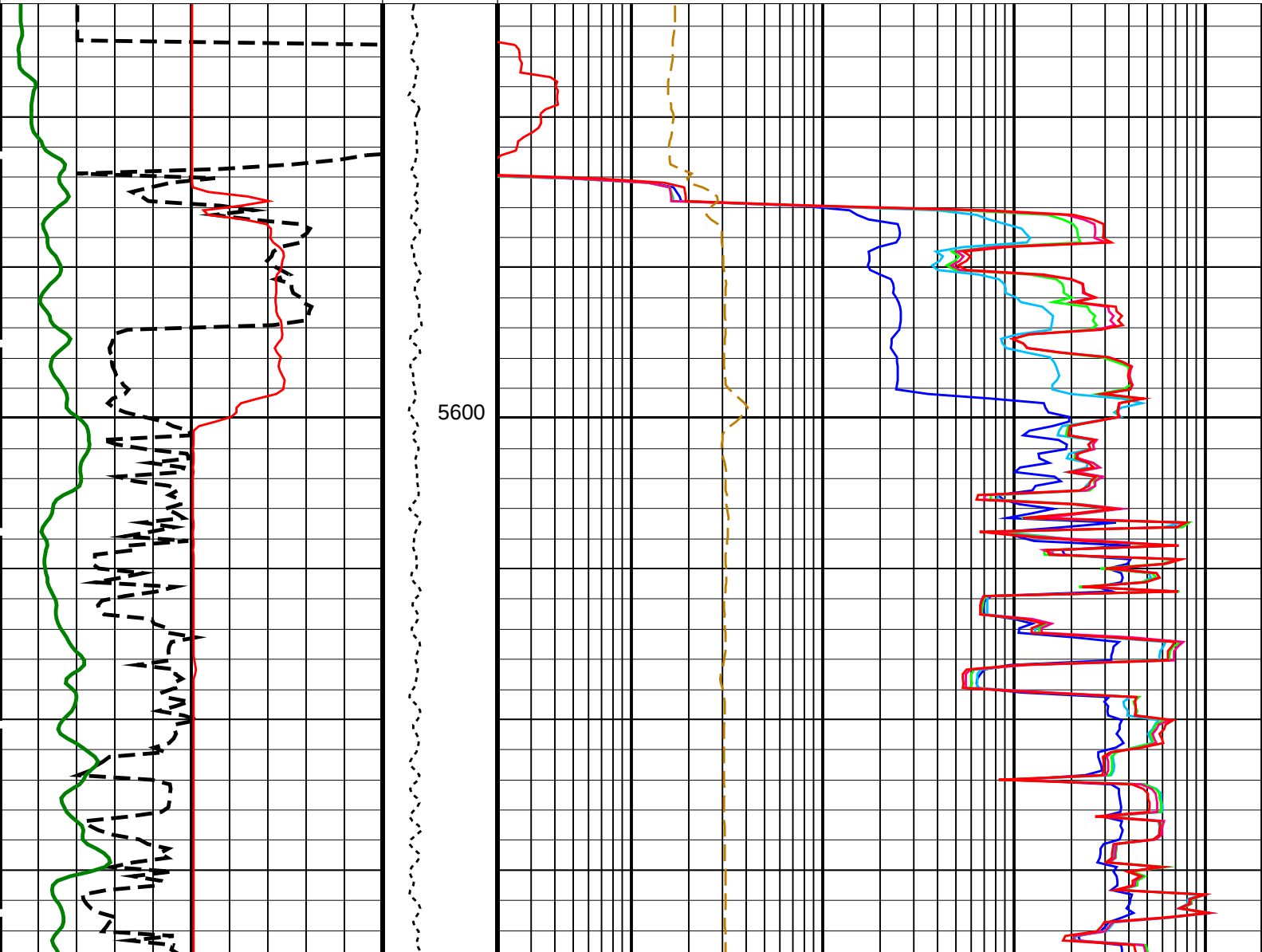
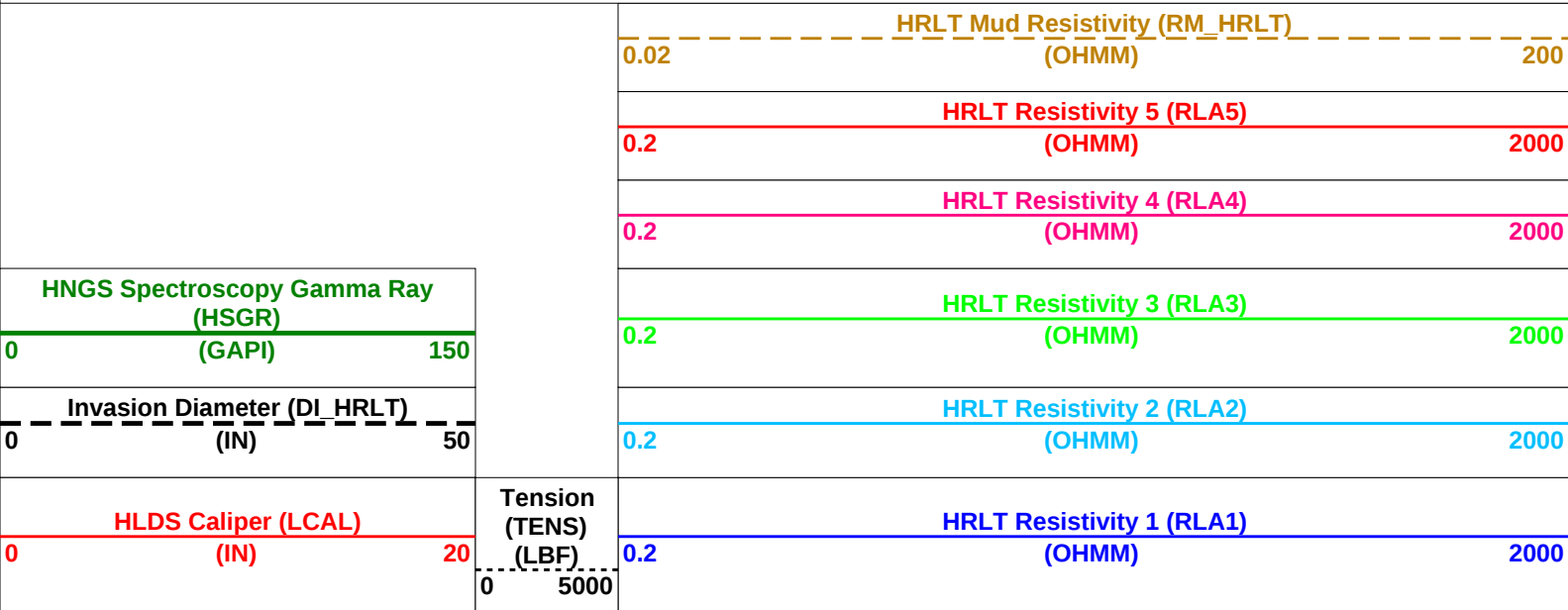
OP System Version: 19C0-187

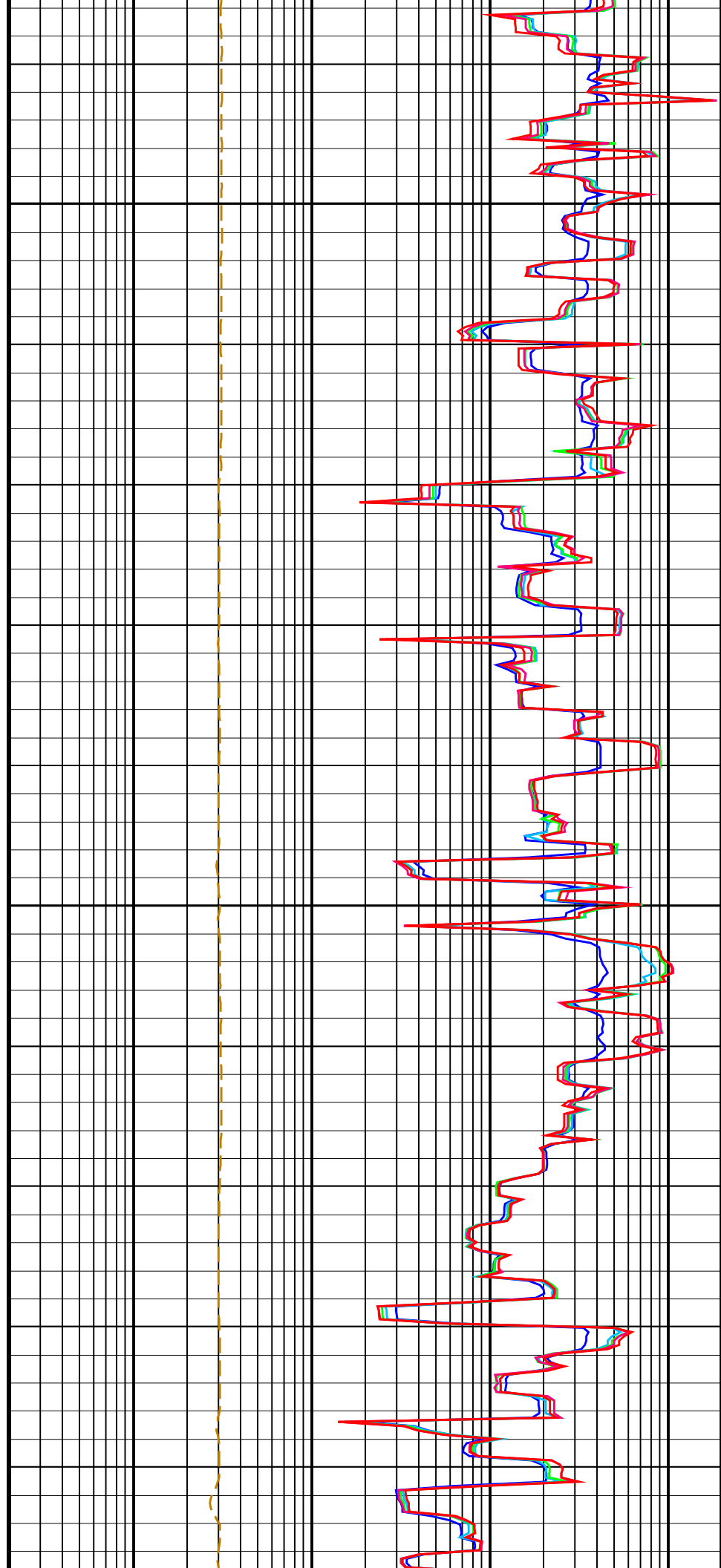
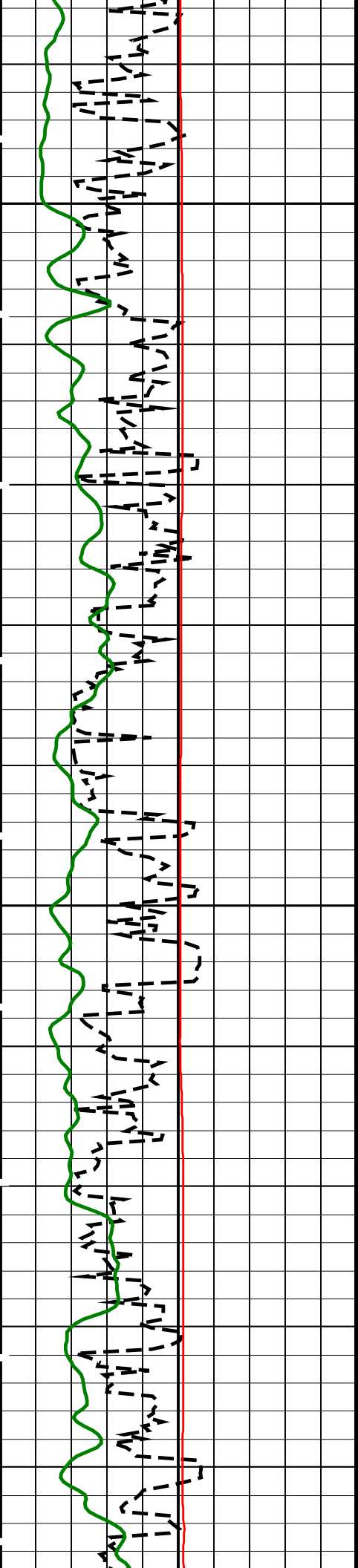
MSS_LDEO-A 19C0-187
HLDS 19C0-187
HNGC-B 19C0-187
EDTC-B SKK-5169-EDTCB

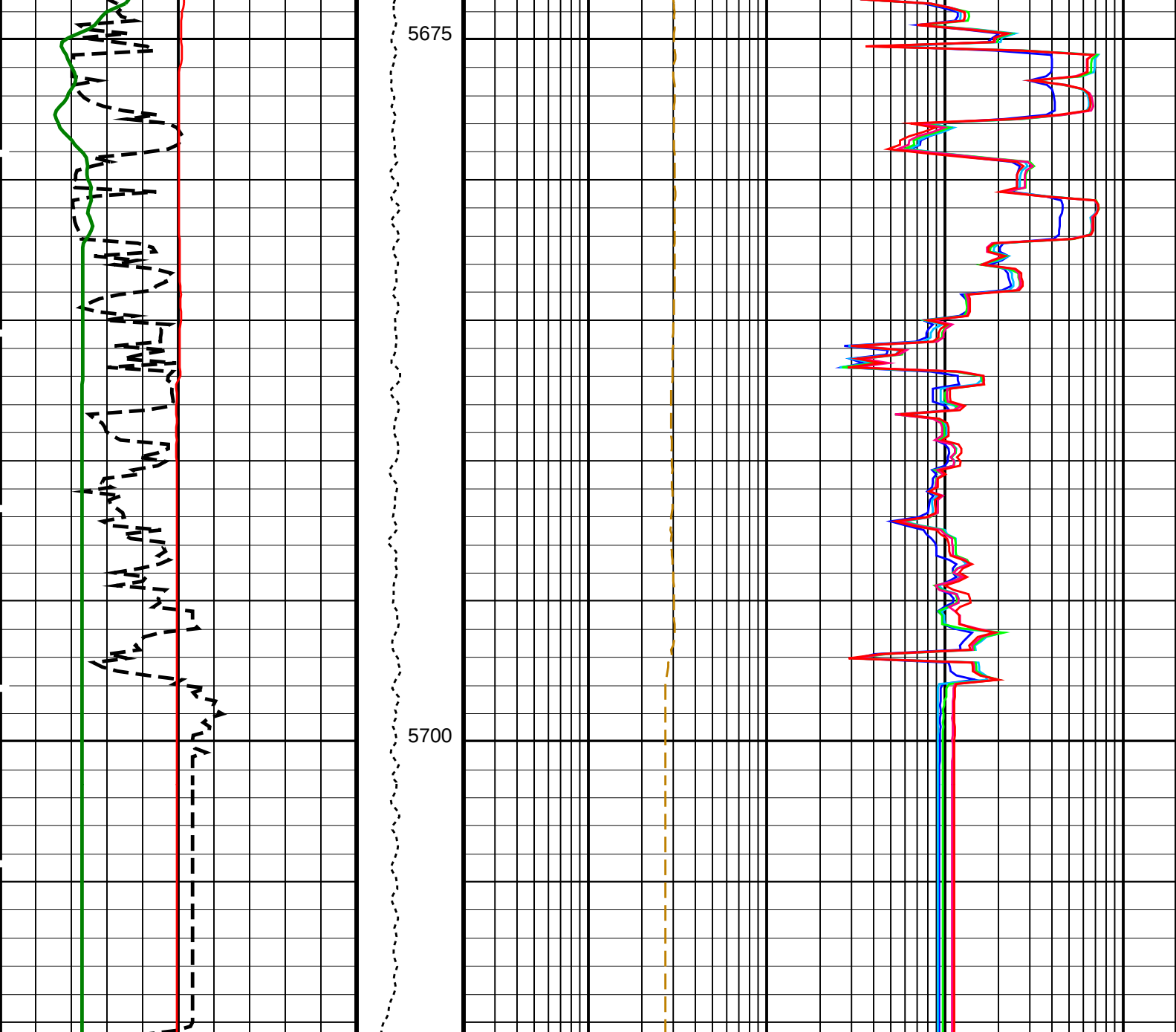
HRLT-B 19C0-187
LDSC-B 19C0-187
HNGS-BA 19C0-187

PIP SUMMARY

Time Mark Every 60 S







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

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)		20	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		
PROCSP0		Sonde Position		Centered		
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)		20	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		-0.0416828		
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		1.06391		
VBA2		HNGS Detector 2 Variable Barite Factor Running Average		1.04793		
EDTC-B: Enhanced DTS Cartridge						
BHS		Borehole Status		OPEN		
BHT		Bottom Hole Temperature (used in calculations)		20	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	
DO		Depth Offset for Playback		0.0	M	
MST		Mud Sample Temperature		23.00	DEGC	
PP		Playback Processing		RECOMPUTE		
TD		Total Depth		10190.3	FT	
Format: HRLT		Vertical Scale: 1:200		Graphics File Created: 18-May-2022 02:47		
OP System Version: 19C0-187						
MSS_LDEO-A	19C0-187		HRLT-B	19C0-187		
HLDS	19C0-187		LDSC-B	19C0-187		
HNGC-B	19C0-187		HNGS-BA	19C0-187		
EDTC-B	SKK-5169-EDTCB					
Input DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:9	PRODUCER	18-May-2022 00:15	5710.4 M	5586.2 M
Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_011PUP	FN:15	PRODUCER	18-May-2022 02:47		
RTB	MSS_LDEO_HRLA_LDL_011PUP	FN:16	PRODUCER	18-May-2022 02:47		

Input DLIS Files

DEFAULT

MSS_LDEO_HRLA_LDL_008LUP

FN:9

PRODUCER

18-May-2022 00:15

5710.4 M

5586.2 M

Output DLIS Files

DEFAULT

MSS_LDEO_HRLA_LDL_011PUP

FN:15

PRODUCER

18-May-2022 02:47

5710.4 M

5586.2 M

RTB

MSS_LDEO_HRLA_LDL_011PUP

FN:16

PRODUCER

18-May-2022 02:47

5710.4 M

5586.2 M

OP System Version: 19C0-187

MSS_LDEO-A

19C0-187

HLDS

19C0-187

HNGC-B

19C0-187

EDTC-B

SKK-5169-EDTCB

HRLT-B

19C0-187

LDSC-B

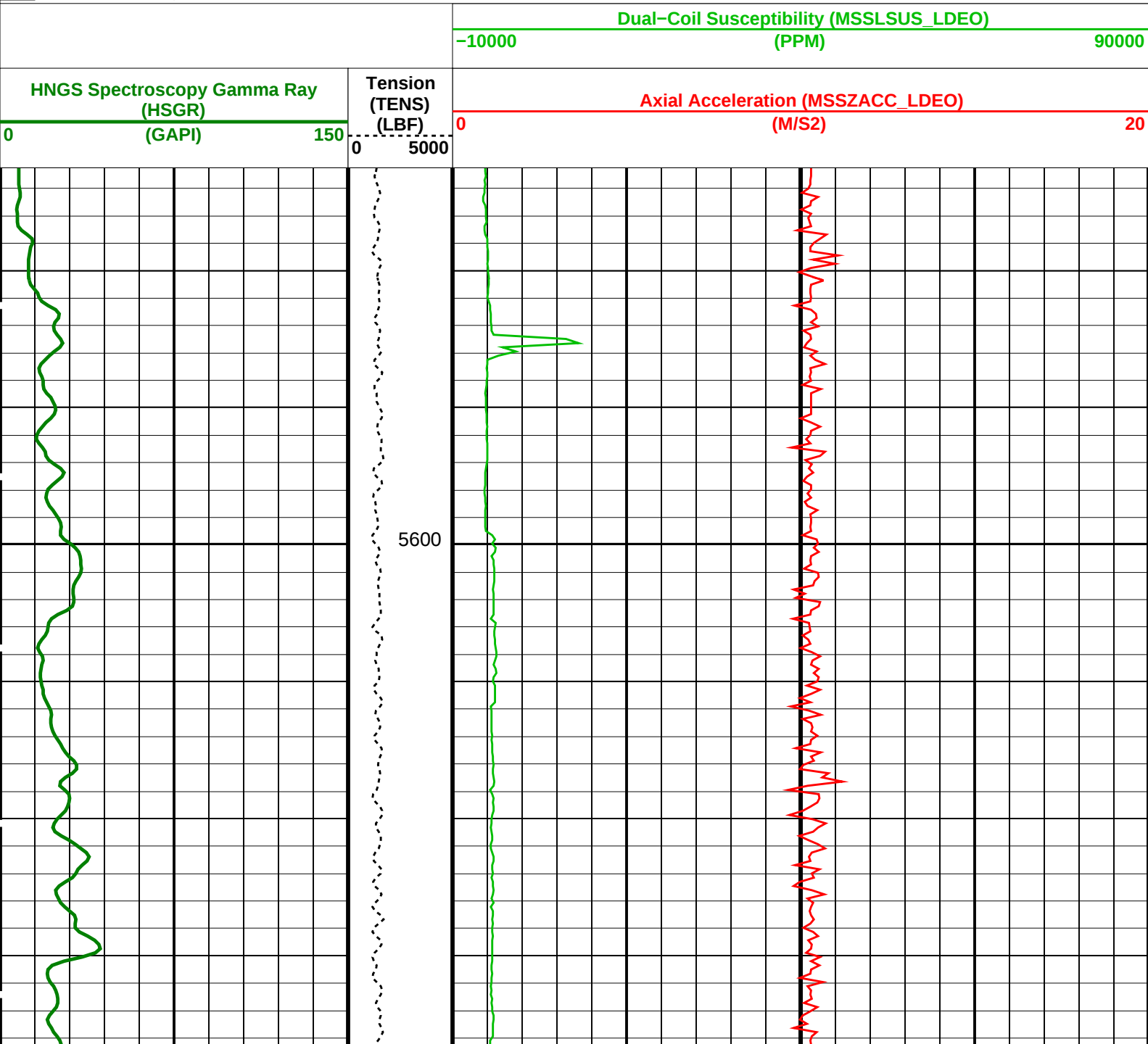
19C0-187

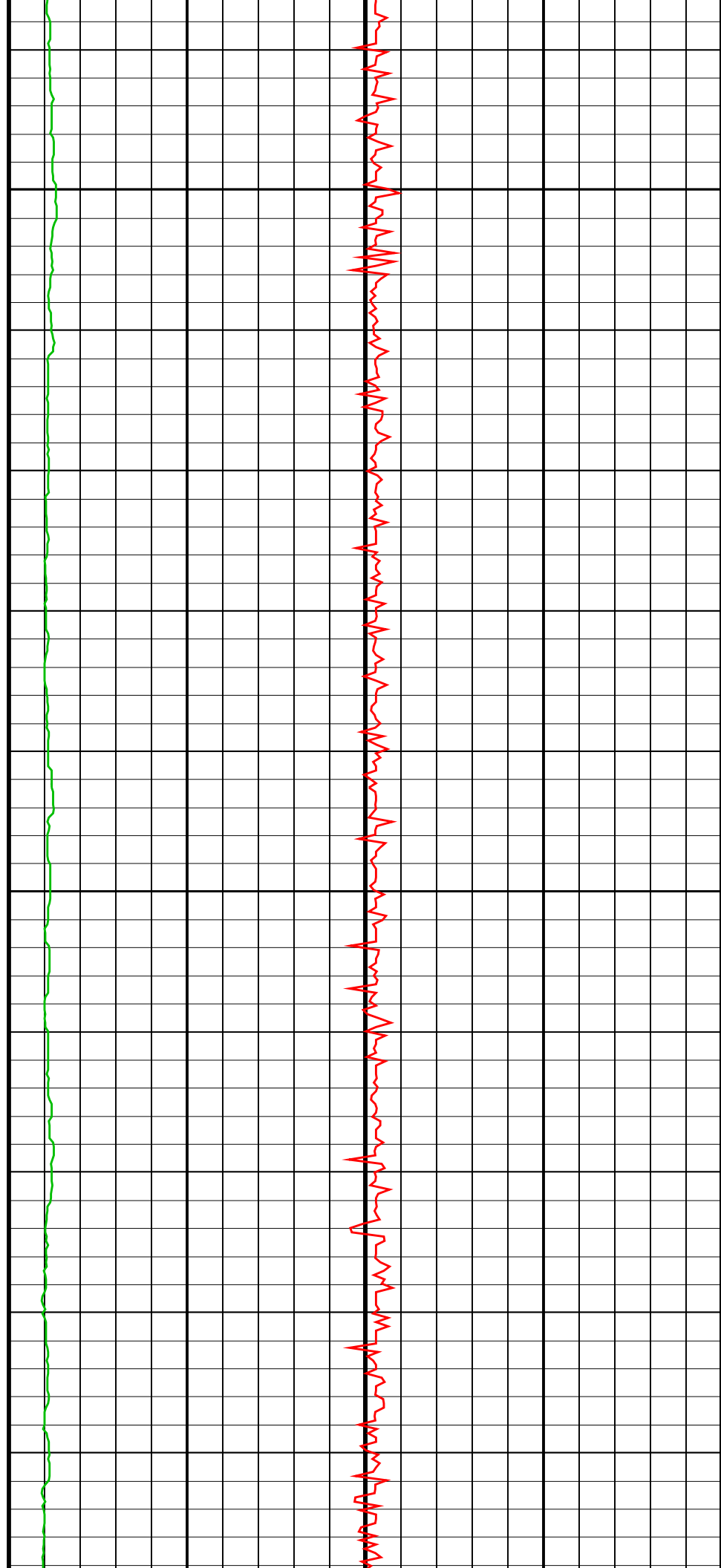
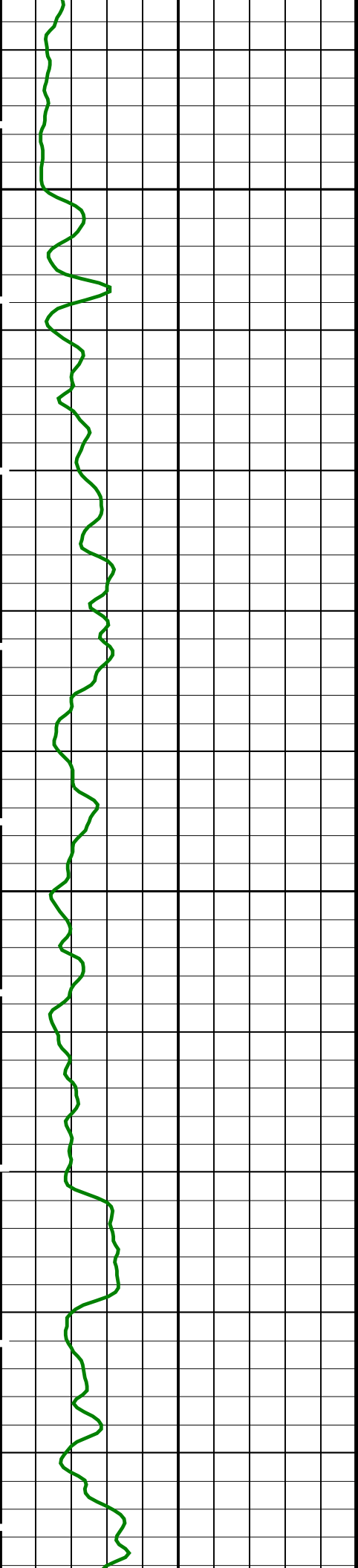
HNGS-BA

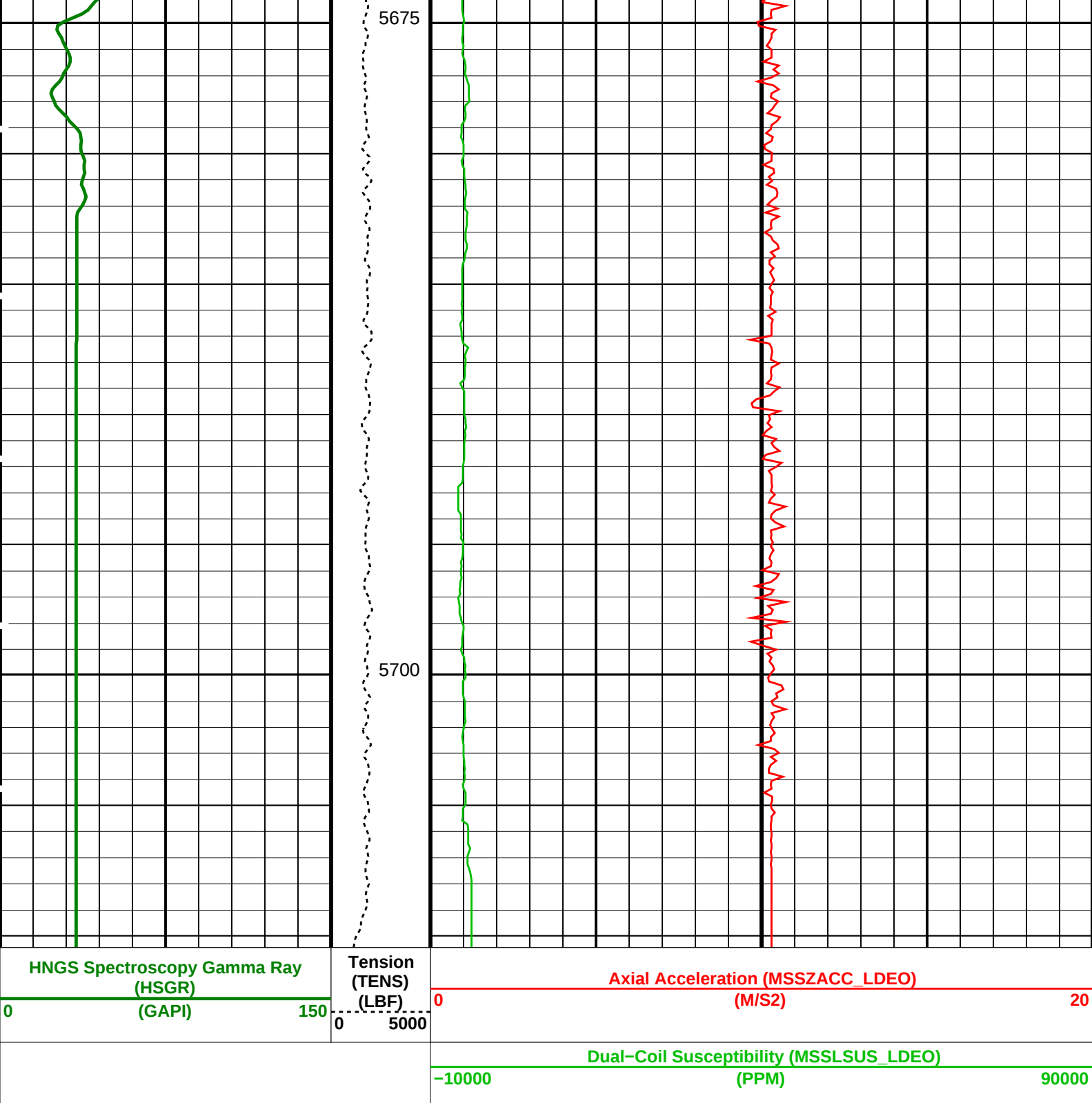
19C0-187

PIP SUMMARY

 Time Mark Every 60 S







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	
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	-0.0416828	
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	1.06391	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.04793	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	RECOMPUTE	

Format: MSS_Logging Vertical Scale: 1:200 Graphics File Created: 18-May-2022 02:47

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Input DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_008LUP	FN:9	PRODUCER	18-May-2022 00:15	5710.4 M	5586.2 M
---------	--------------------------	------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_011PUP	FN:15	PRODUCER	18-May-2022 02:47		
RTB	MSS_LDEO_HRLA_LDL_011PUP	FN:16	PRODUCER	18-May-2022 02:47		

Schlumberger

Second Pass

MAXIS Field Log

Company: International Ocean Discovery Program Well: Expedition 390, Site U1557D

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:13	PRODUCER	18-May-2022 00:49	5708.1 M	5009.7 M
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:14	PRODUCER	18-May-2022 00:49	5708.1 M	5009.7 M

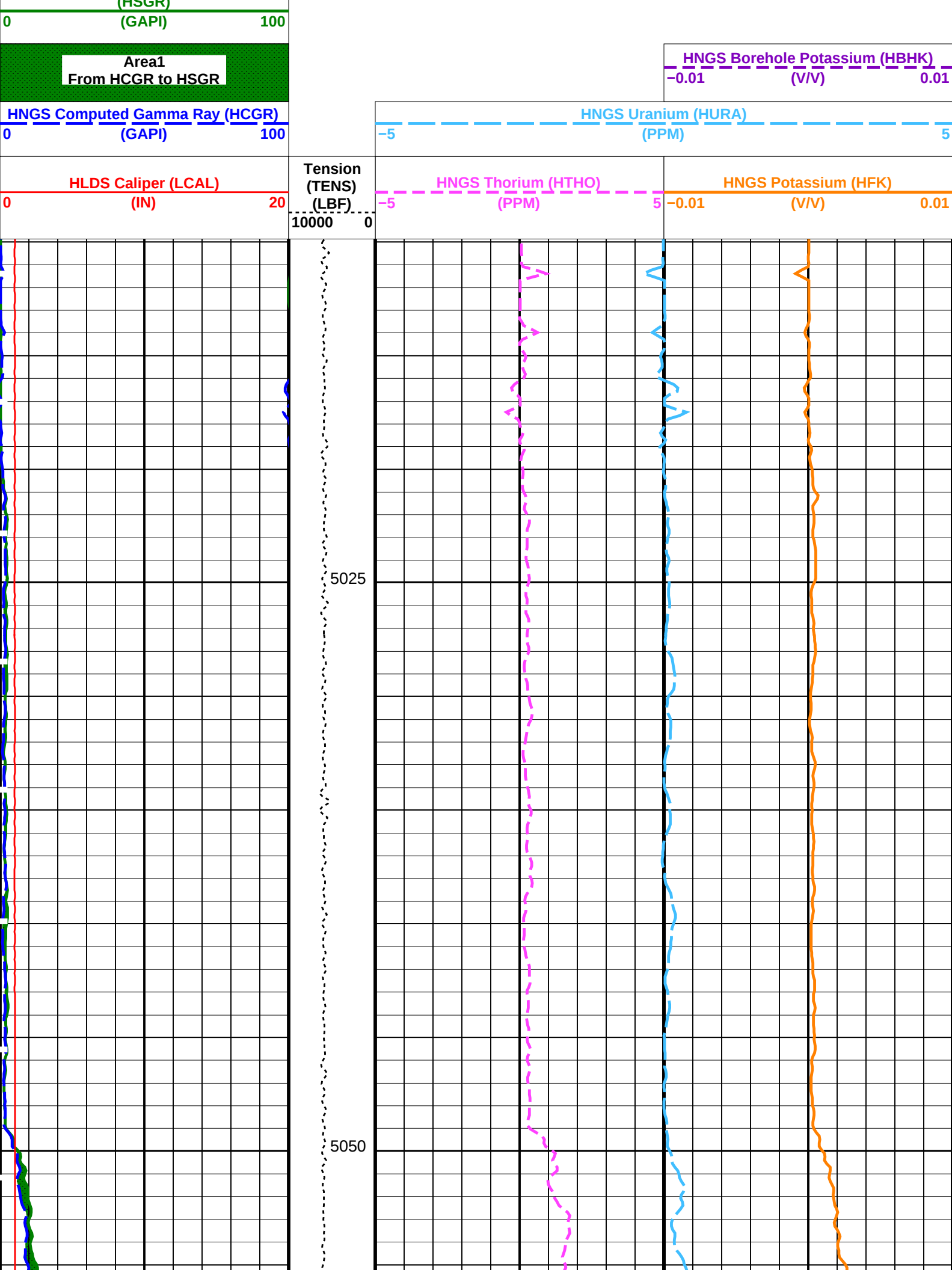
OP System Version: 19C0-187

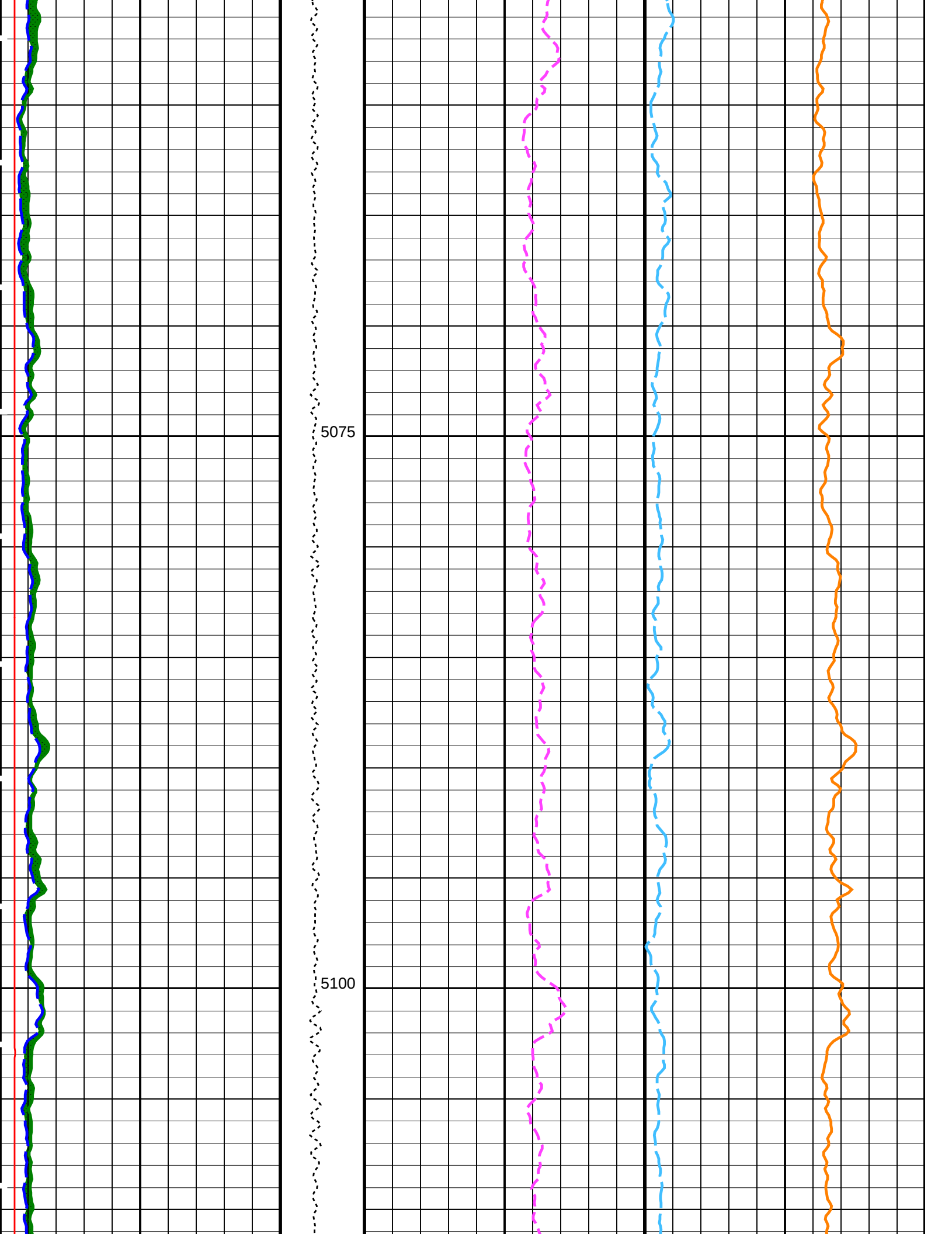
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

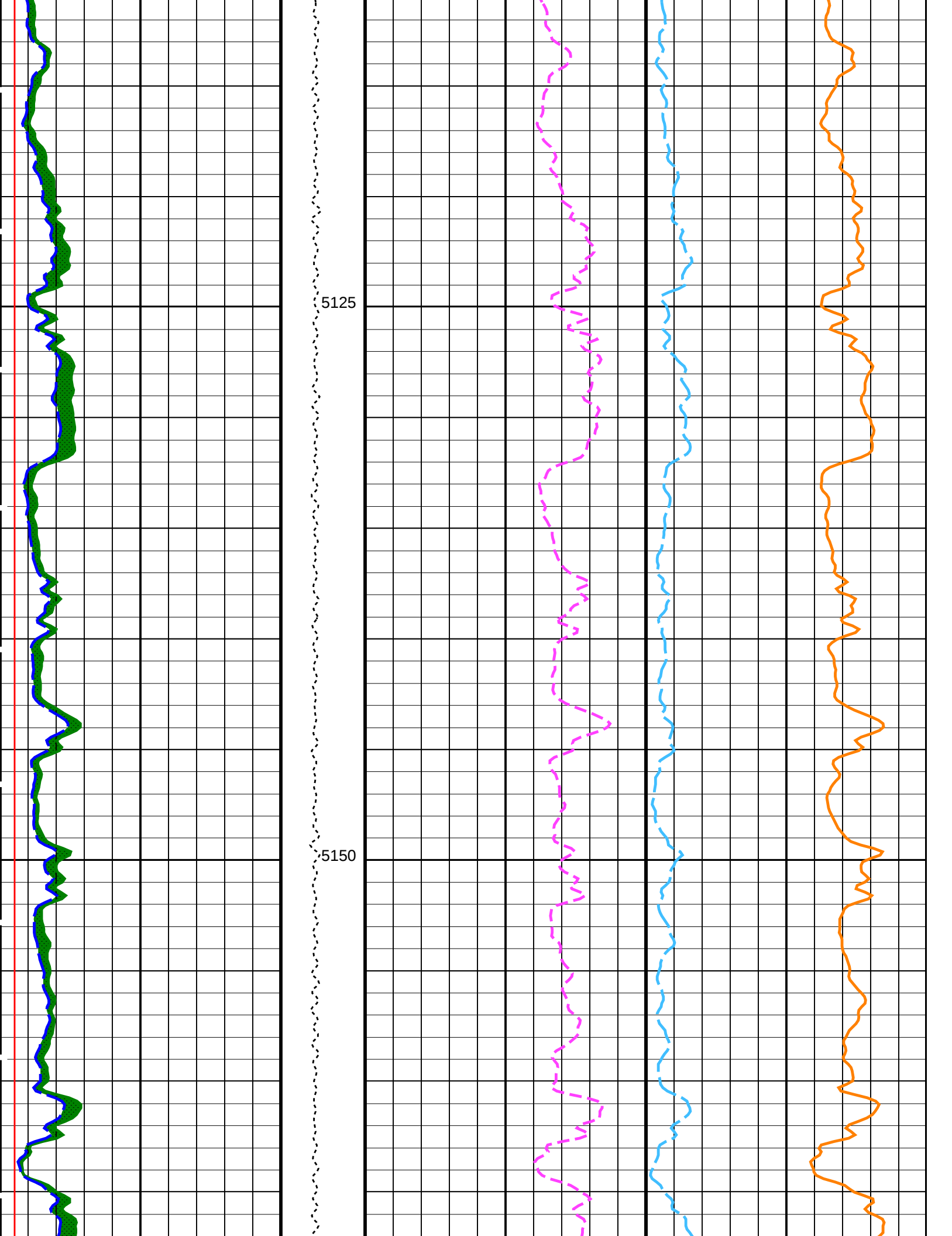
PIP SUMMARY

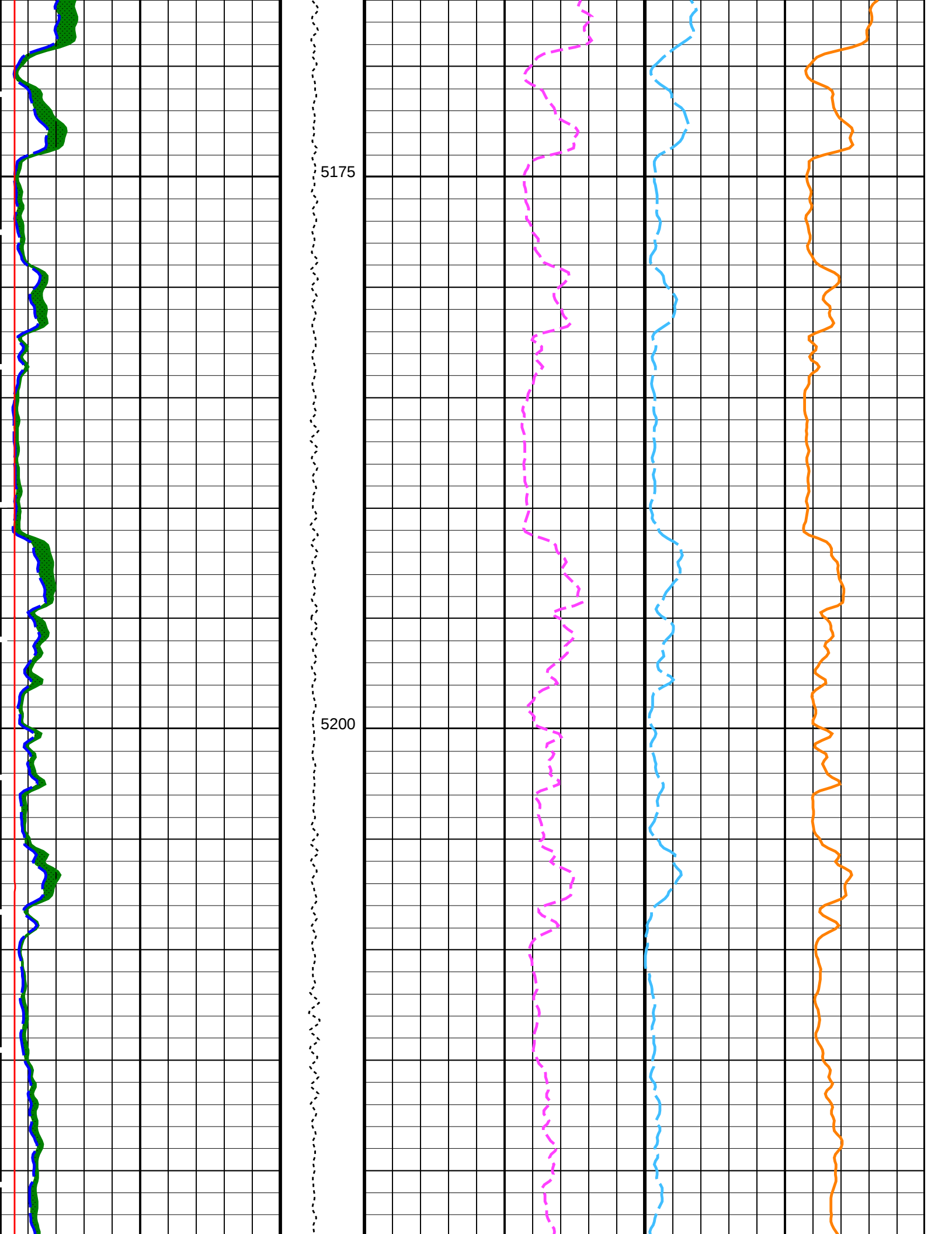
Time Mark Every 60 S

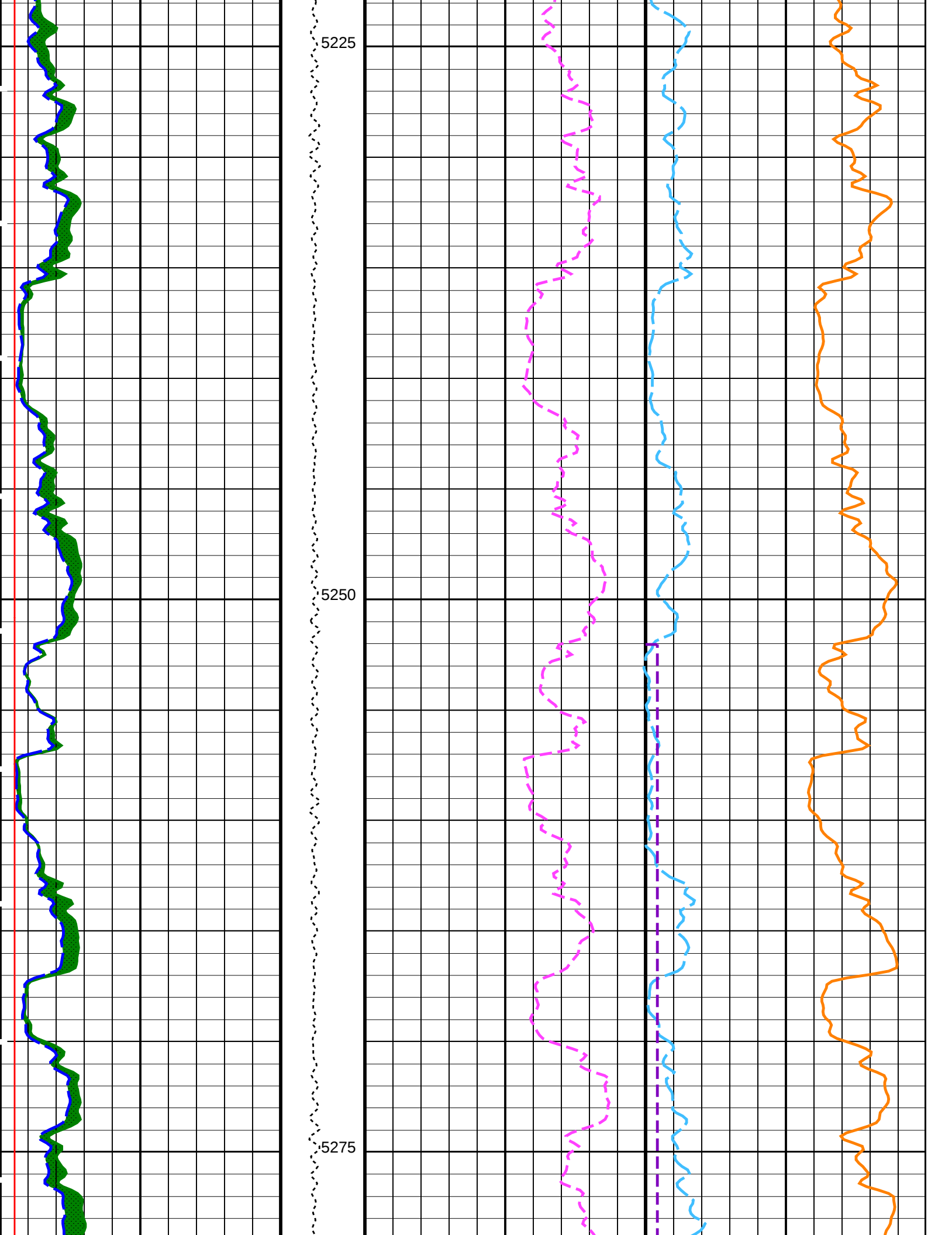
HNGS Spectroscopy Gamma Ray
(USGP)

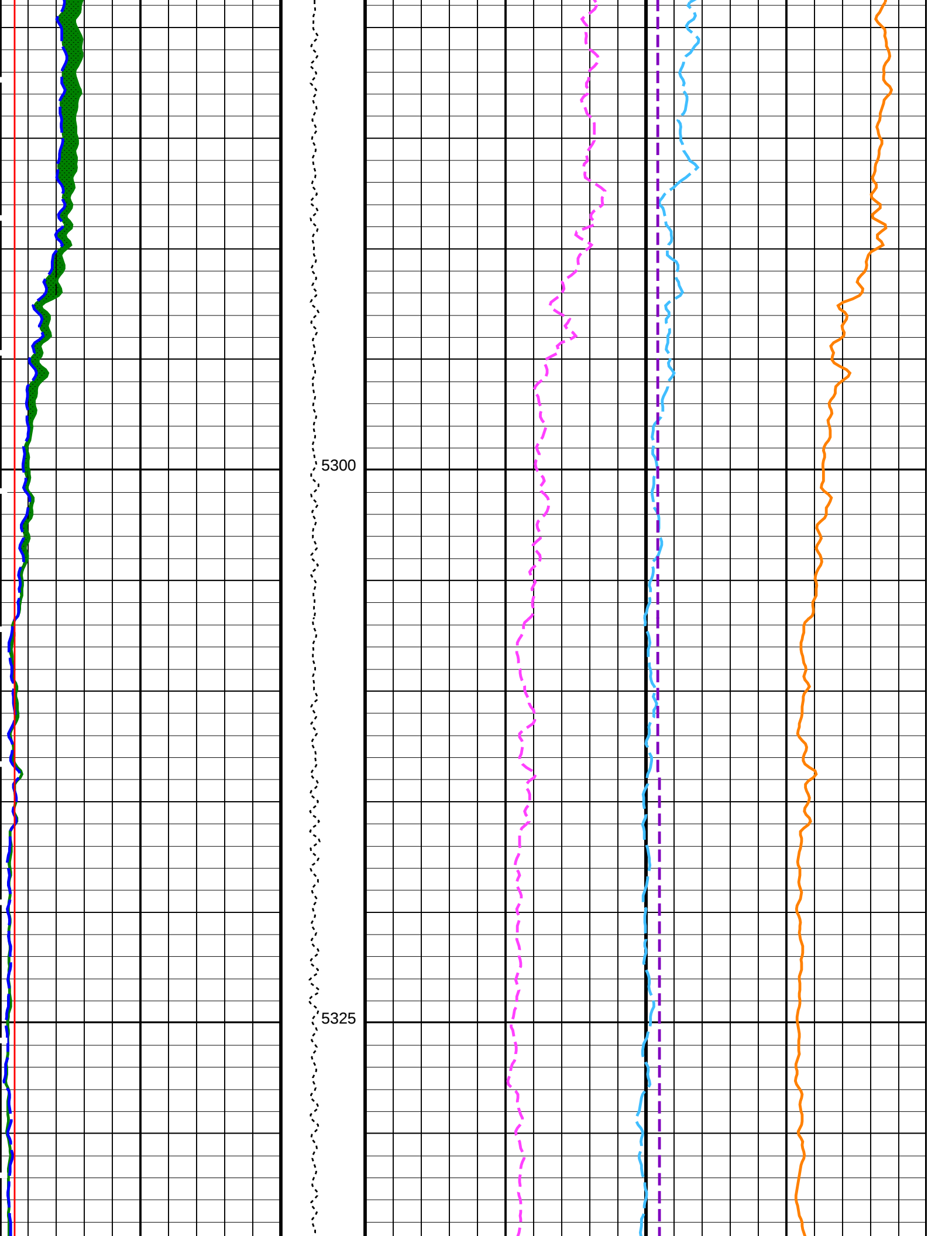


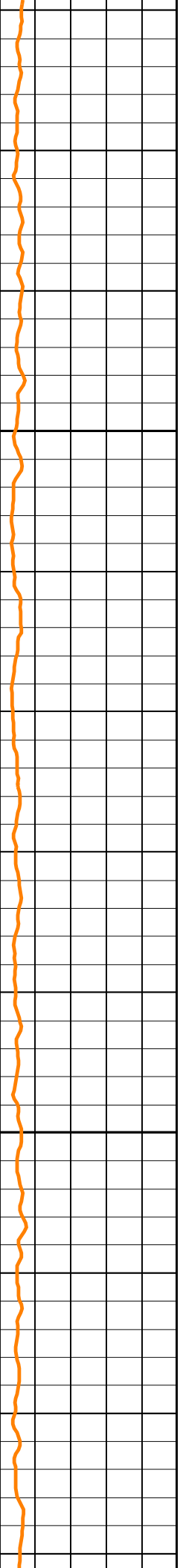
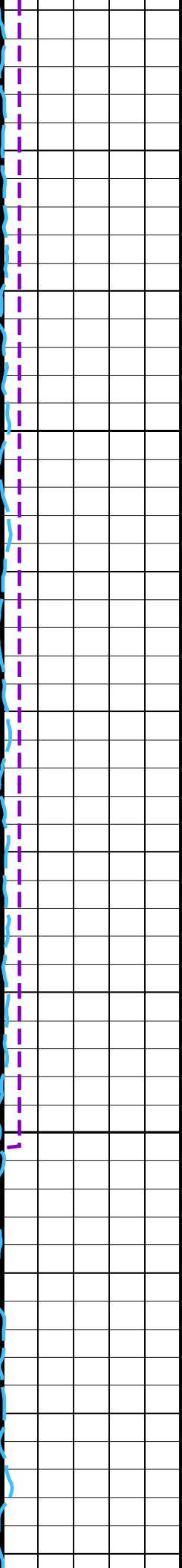
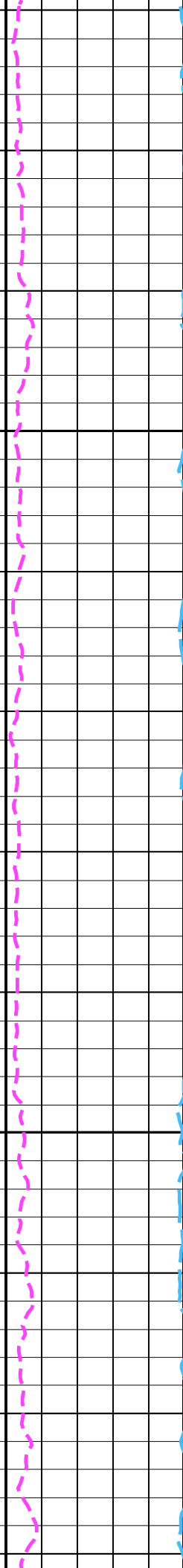
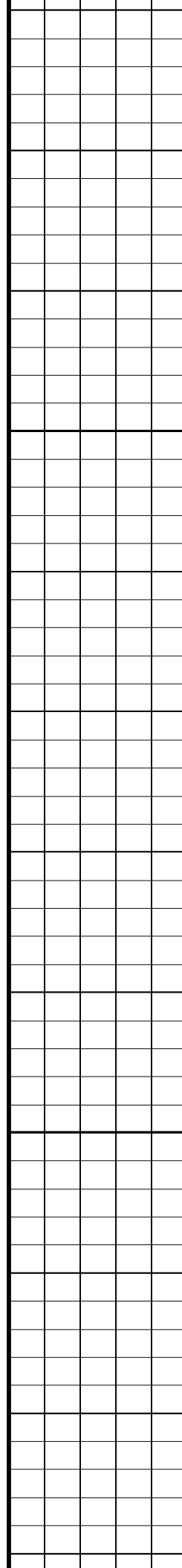
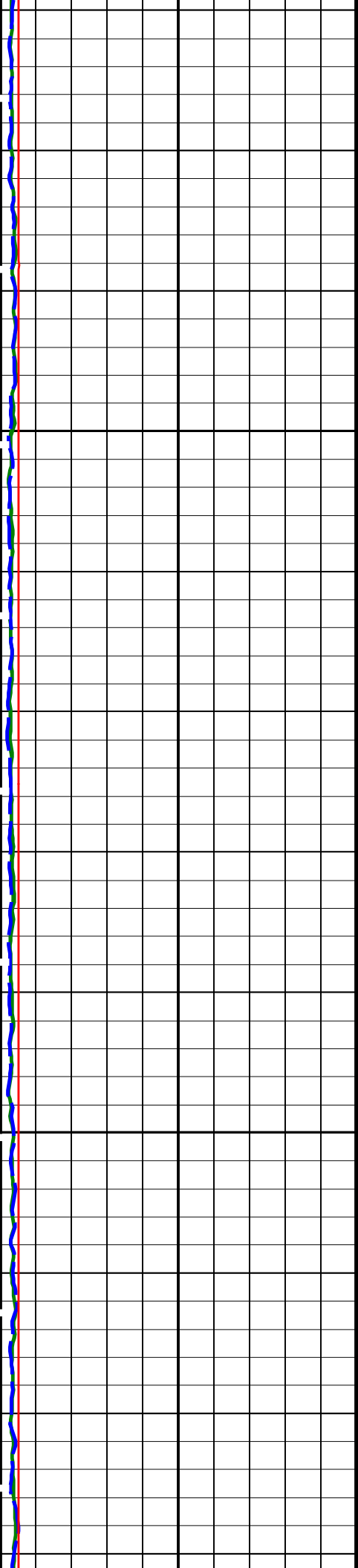


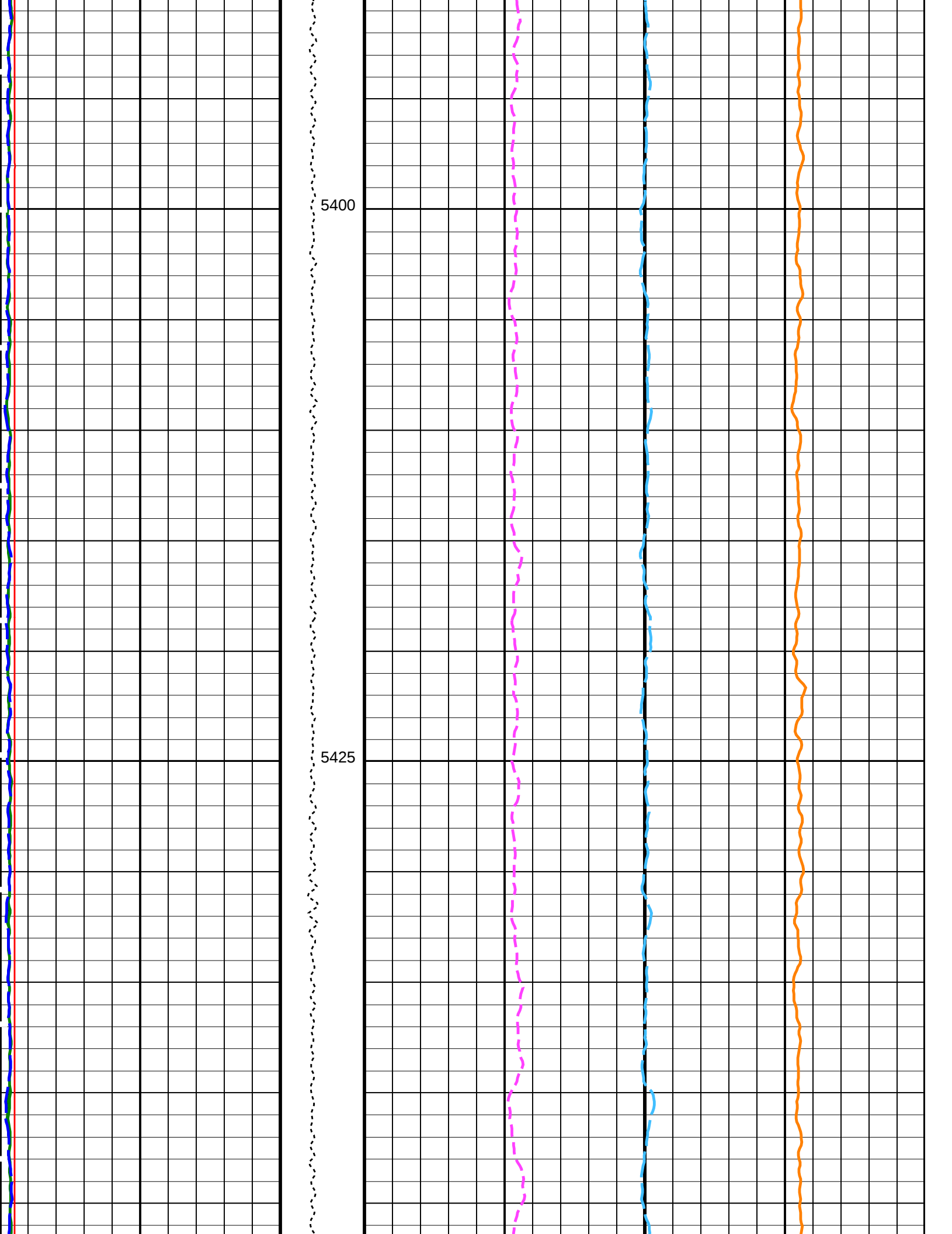


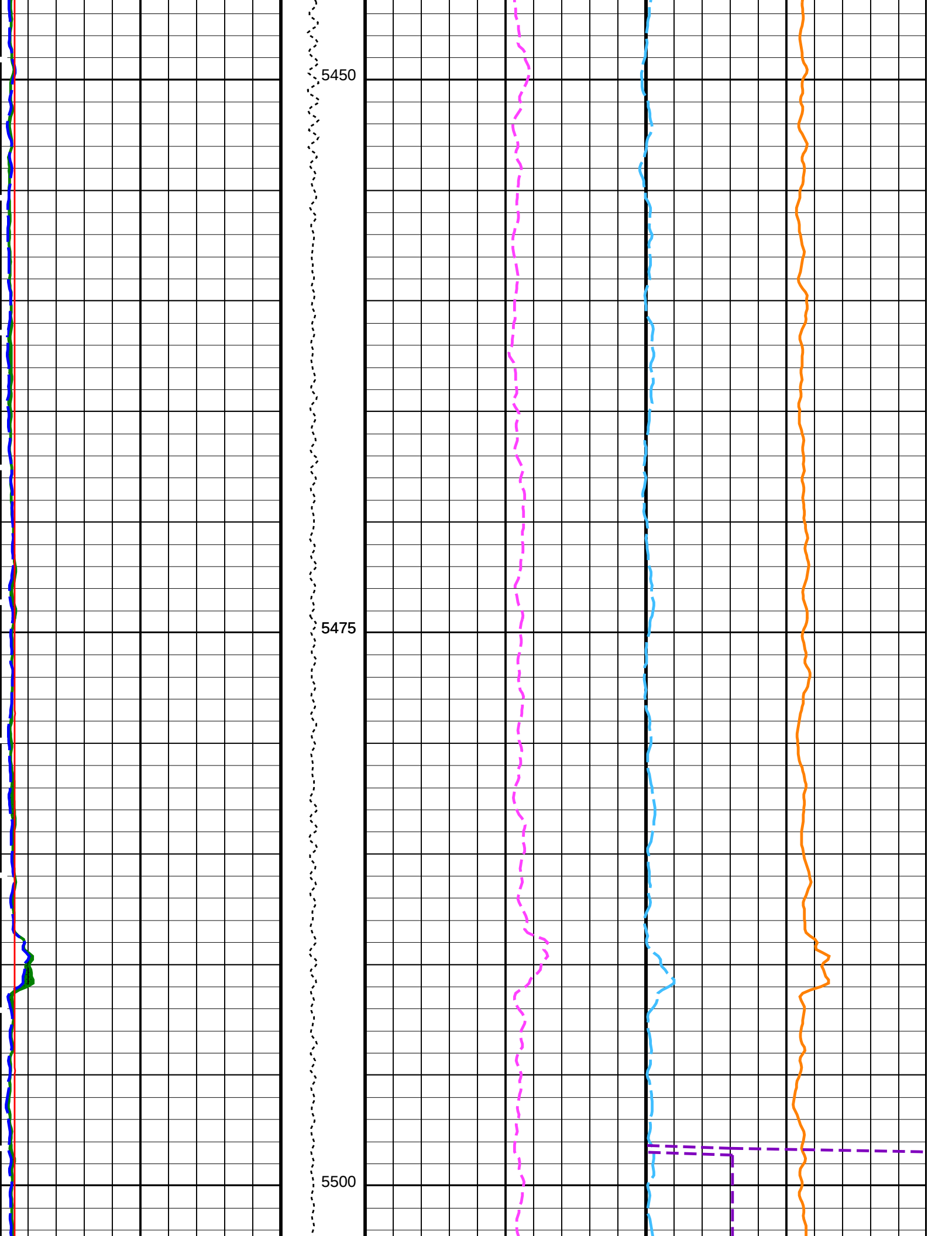


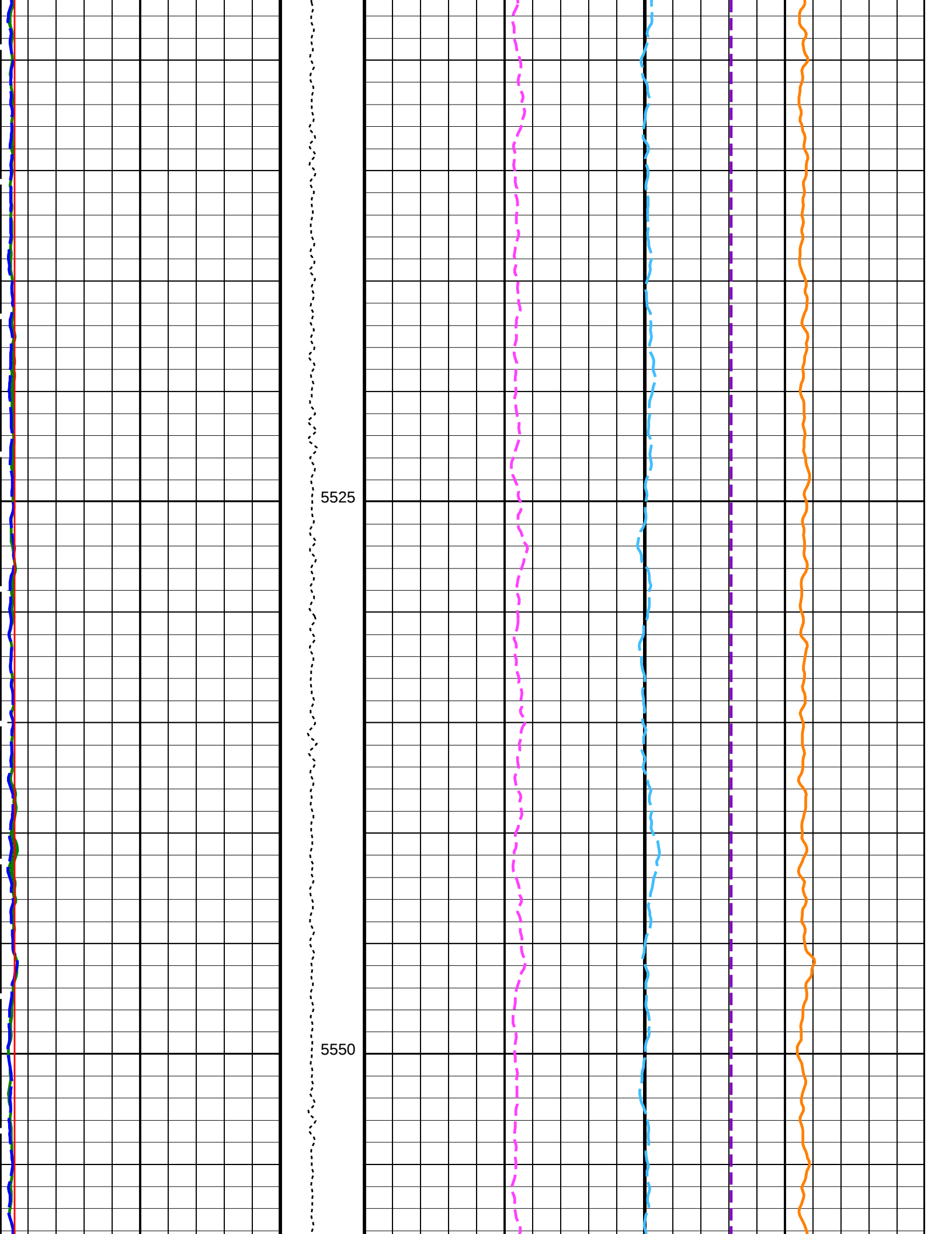


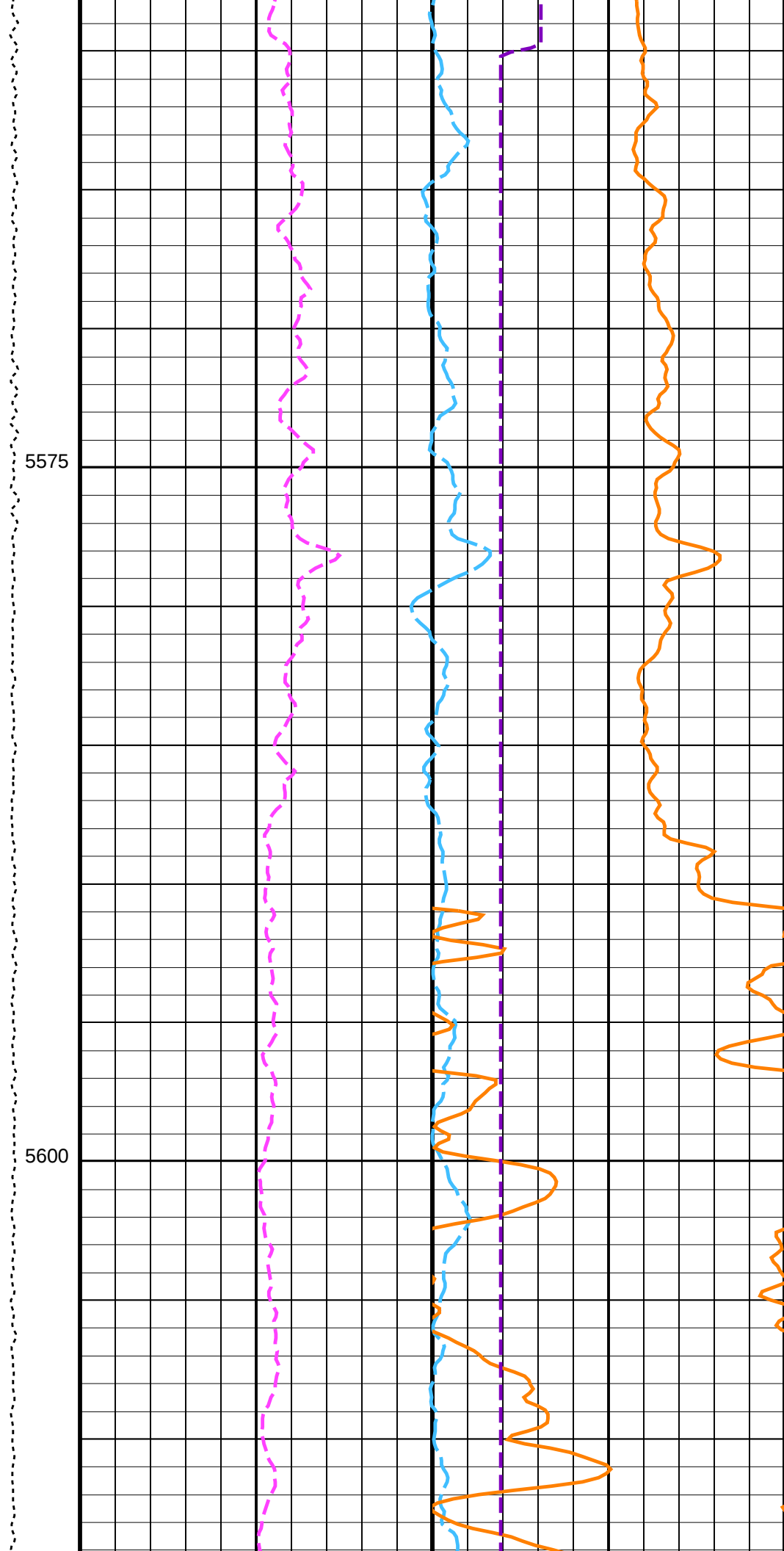
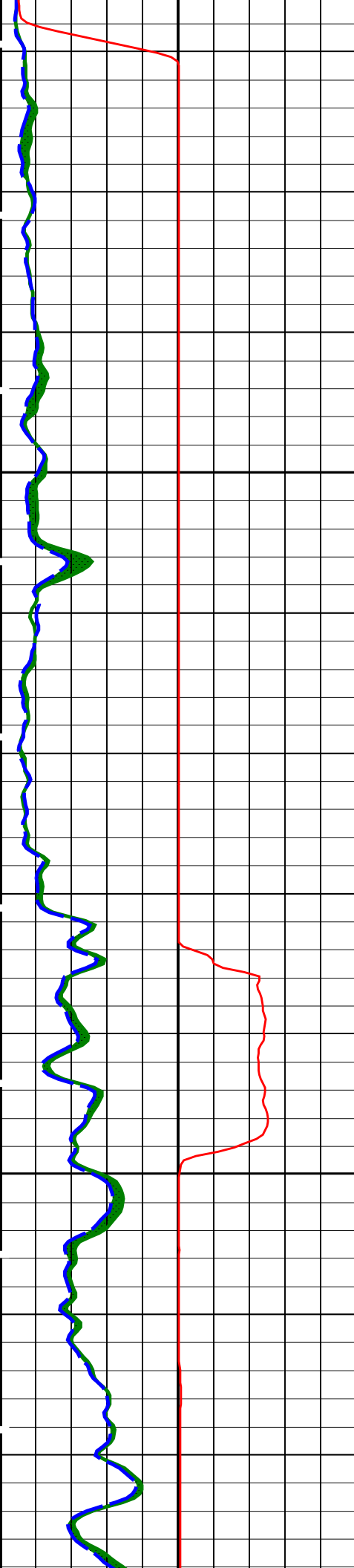


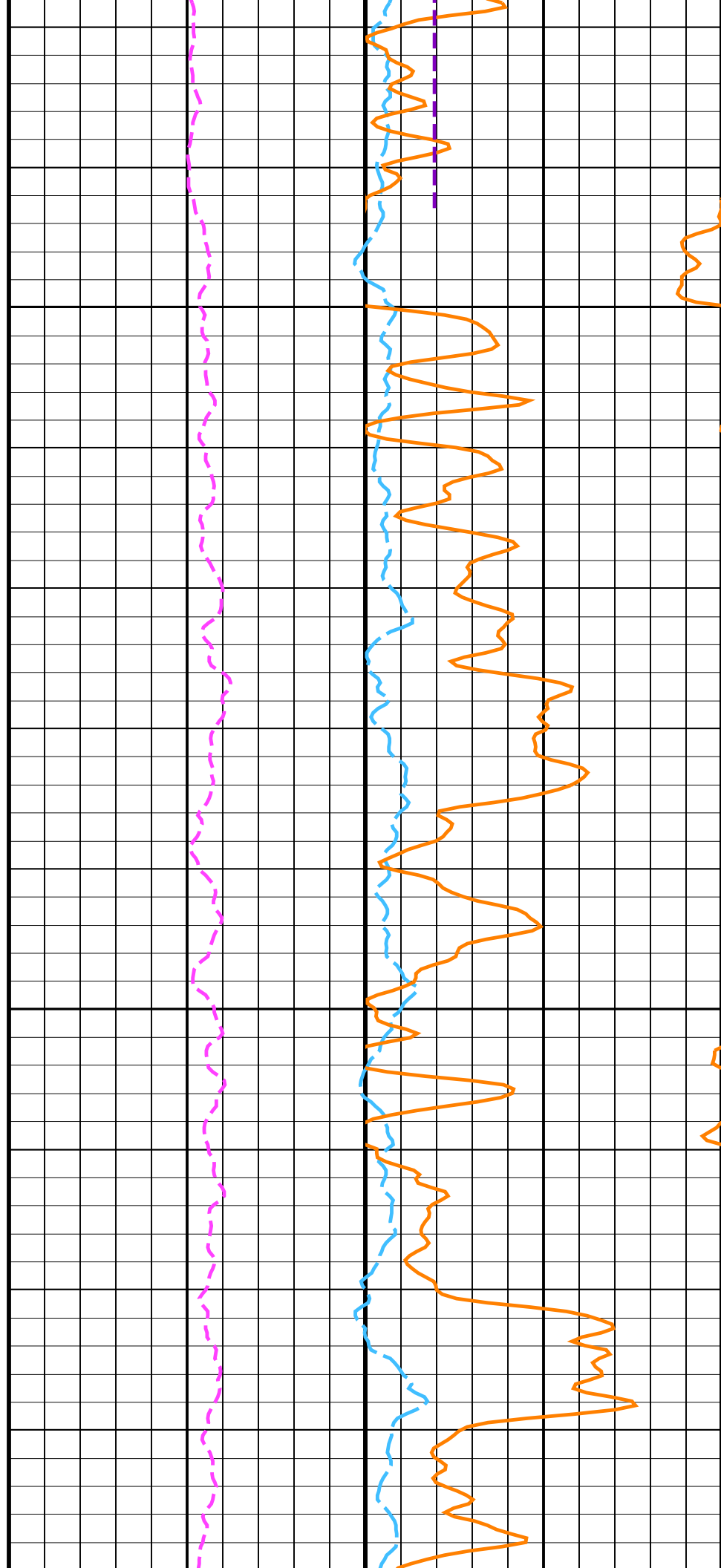
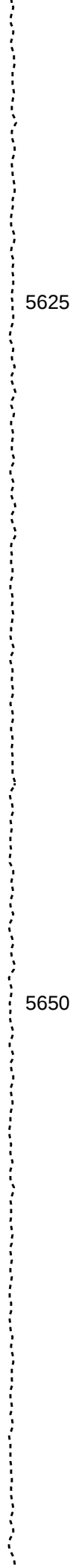
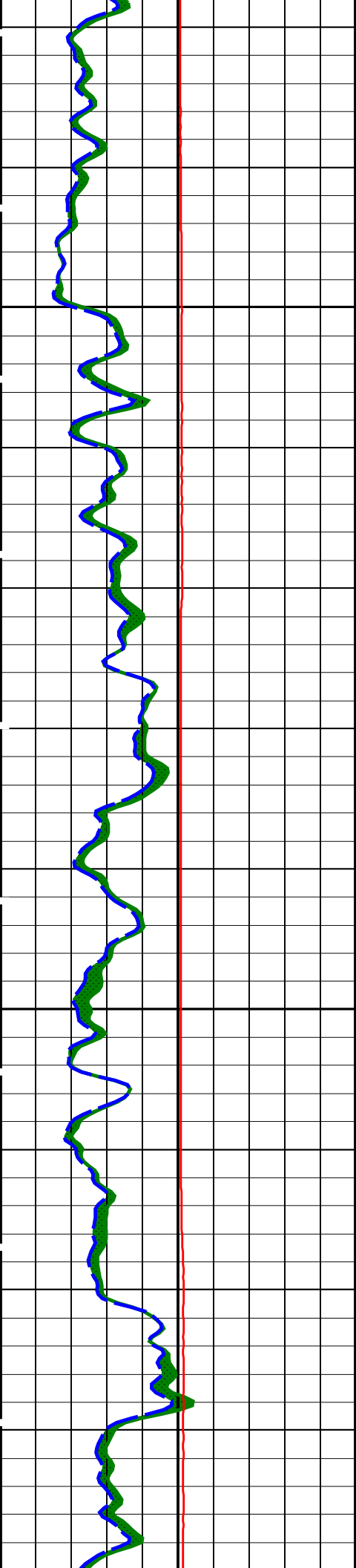


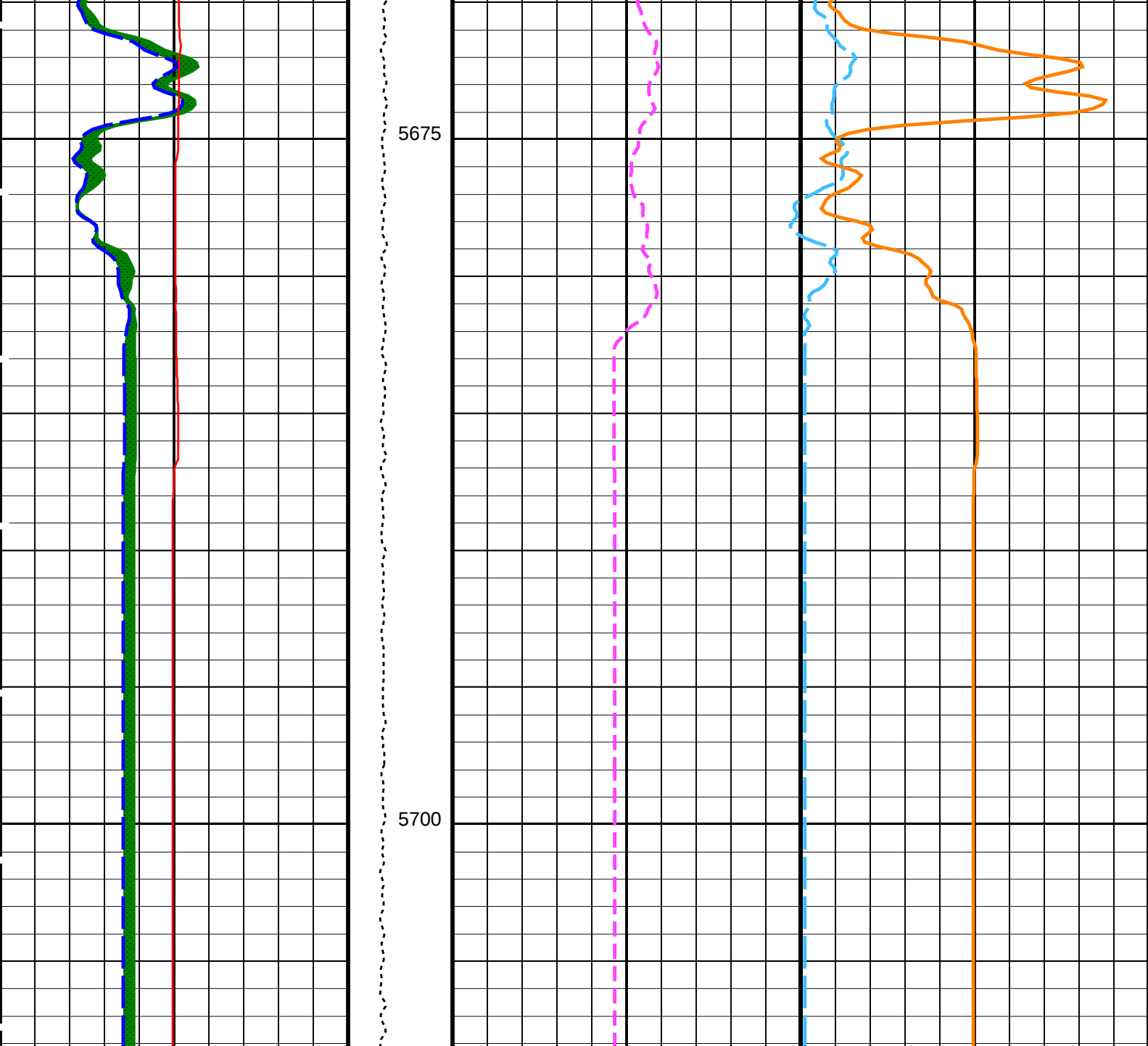












HLDS Caliper (LCAL) 0 (IN) 20			Tension (TENS) (LBF) 10000 0	HNGS Thorium (HTHO) -5 (PPM) 5		HNGS Potassium (HFK) -0.01 (V/V) 0.01	
HNGS Computed Gamma Ray (HCGR) 0 (GAPI) 100				HNGS Uranium (HURA) -5 (PPM) 5			
Area1 From HCGR to HSGR				HNGS Borehole Potassium (HBHK) -0.01 (V/V) 0.01			
HNGS Spectroscopy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

PIP SUMMARY

Time Mark Every 60 S

Parameters		
DLIS Name	Description	Value

HRLT-B: High Resolution Laterolog Array - B		Borehole Status	OPEN	
BHS		Generalized Caliper Selection	LCAL	
GCSE	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	-0.00774036	
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	1.02885	
VBA2		HNGS Detector 2 Variable Barite Factor Running Average	1.009	
EDTC-B: Enhanced DTS Cartridge				
BHS		Borehole Status	OPEN	
GCSE		Generalized Caliper Selection	LCAL	
System and Miscellaneous				
BS		Bit Size	9.875	IN

Format: HNGSYields
Vertical Scale: 1:200
Graphics File Created: 18-May-2022 00:49

OP System Version: 19C0-187				
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187	
HLDS	19C0-187	LDSC-B	19C0-187	
HNGC-B	19C0-187	HNGS-BA	19C0-187	
EDTC-B	SKK-5169-EDTCB			

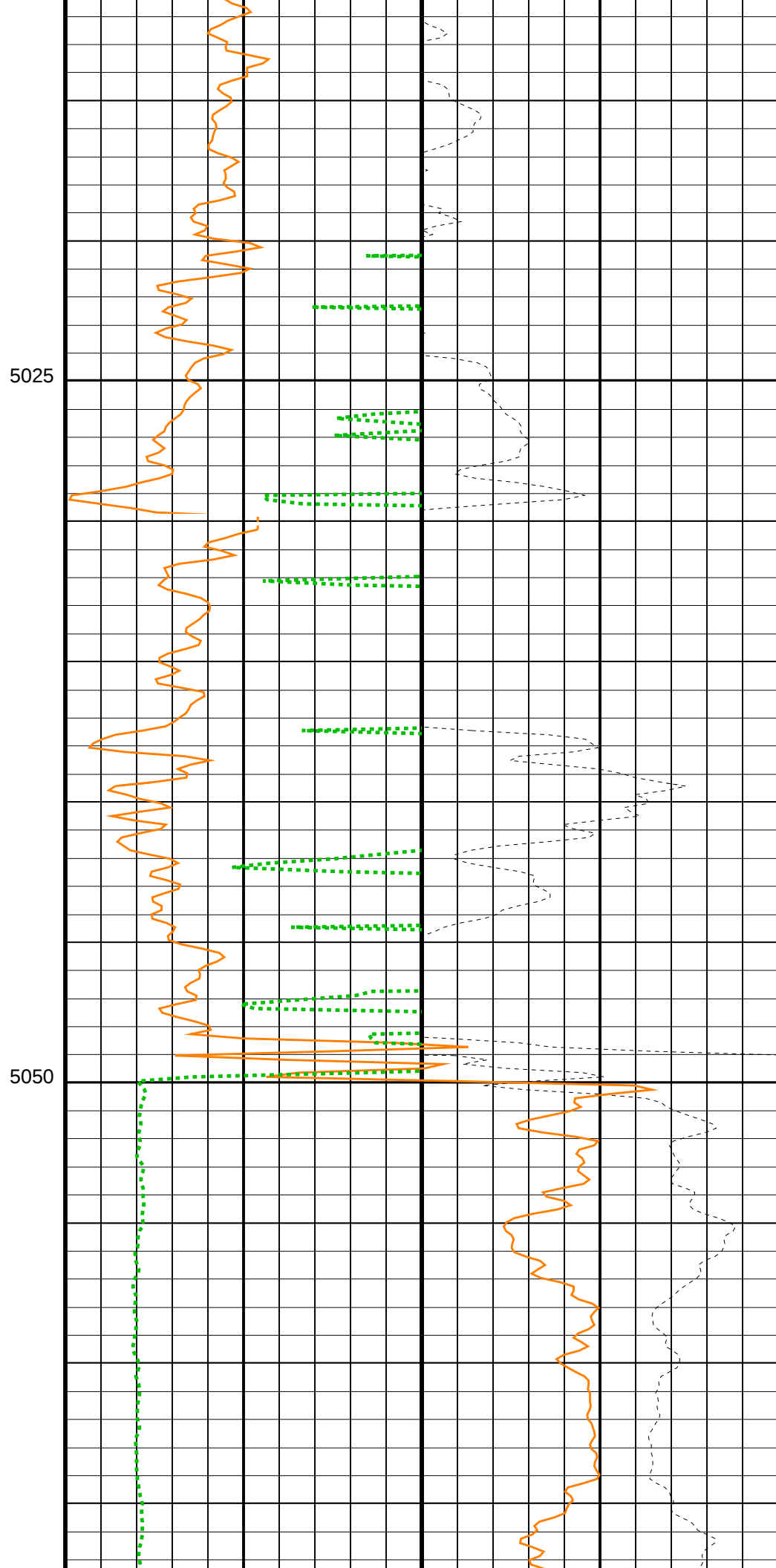
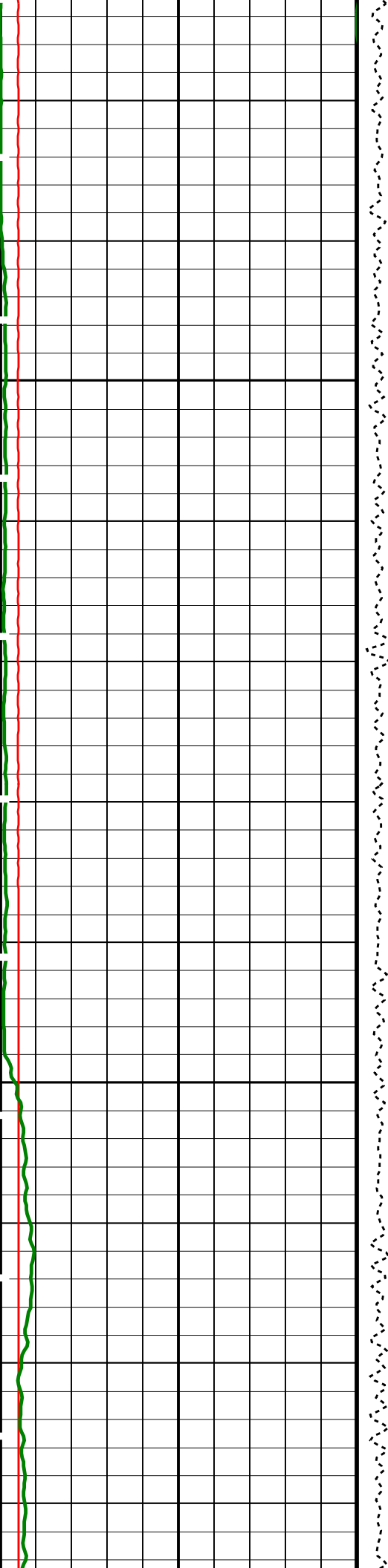
Output DLIS Files				
DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:13	PRODUCER	18-May-2022 00:49
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:14	PRODUCER	18-May-2022 00:49

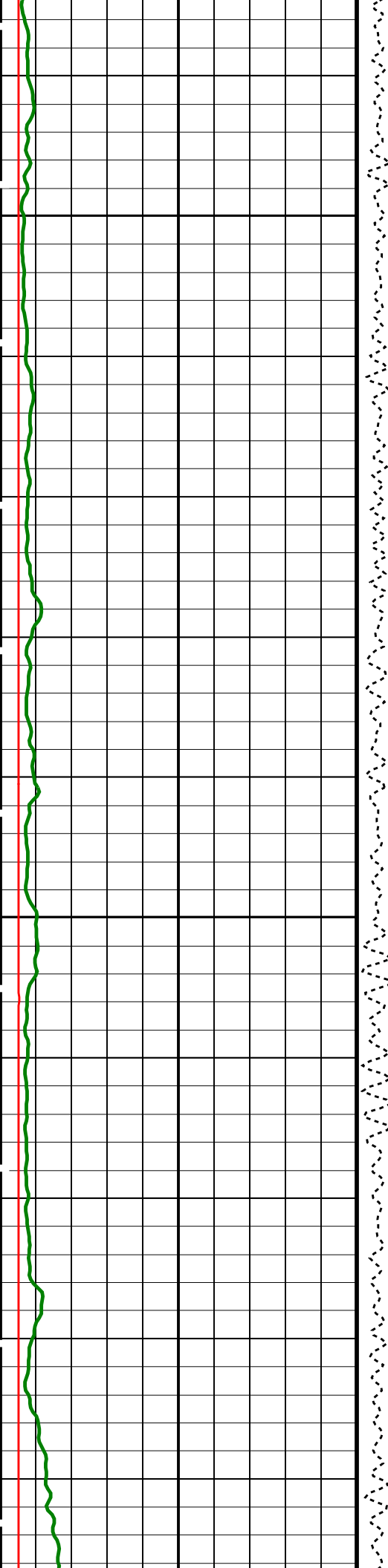
Company: International Ocean Discovery Program
Well: Expedition 390, Site U1557D

Output DLIS Files						
DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:13	PRODUCER	18-May-2022 00:49	5708.1 M	5010.9 M
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:14	PRODUCER	18-May-2022 00:49	5708.1 M	5009.7 M

OP System Version: 19C0-187				
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187	
HLDS	19C0-187	LDSC-B	19C0-187	
HNGC-B	19C0-187	HNGS-BA	19C0-187	
EDTC-B	SKK-5169-EDTCB			

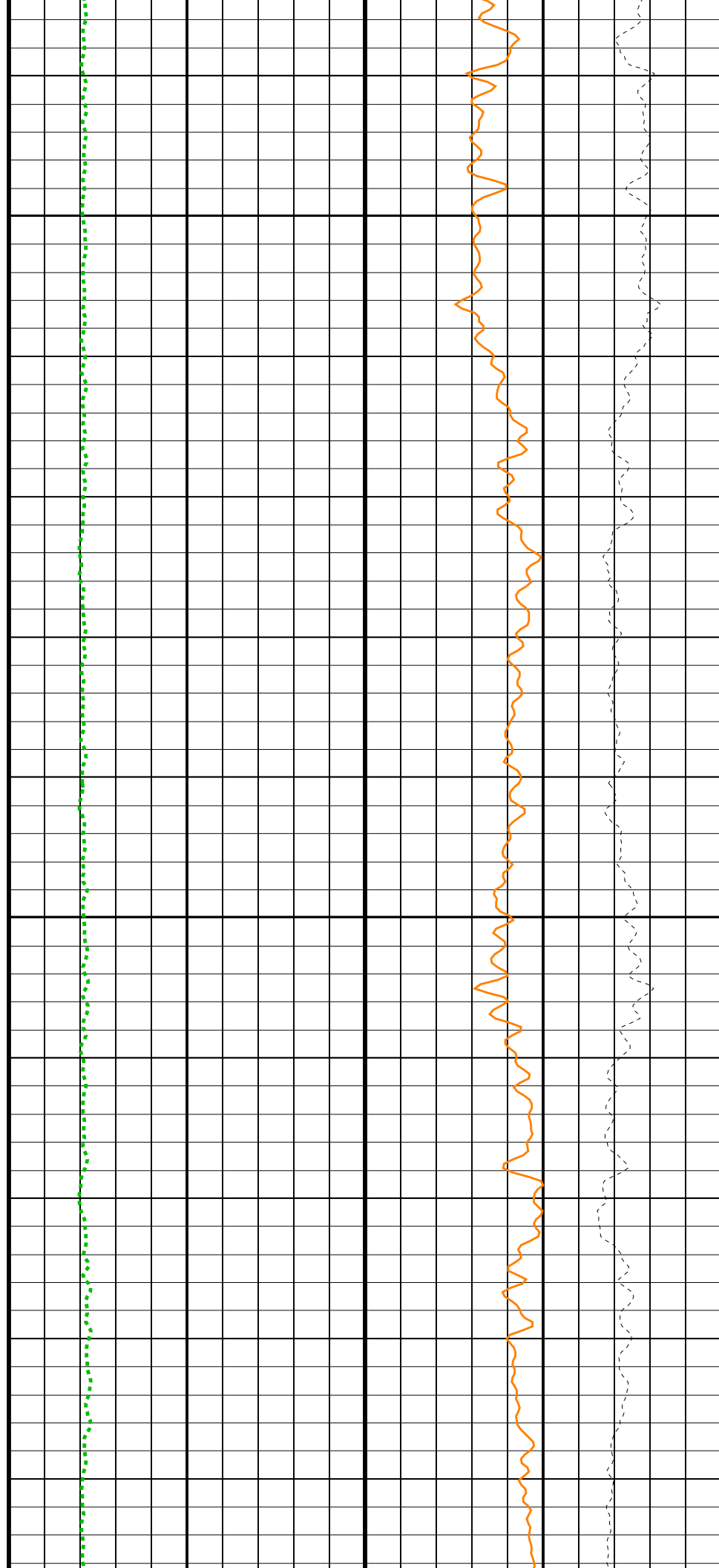
PIP SUMMARY				
Time Mark Every 60 S				
HNGS Spectroscopy Gamma Ray (HSGR)			HLDS Long Spaced Photoelectric Effect (PEFL)	HLDS Bulk Density Correction (DRH)
0	(GAPI) 150		0	-0.25 (G/C3) 0.25
HLDS Caliper (LCAL)		Tension (TENS)	HLDS Bulk Density (RHOM)	
0	(IN) 20	(LBF) 0 5000	3	(G/C3) 1

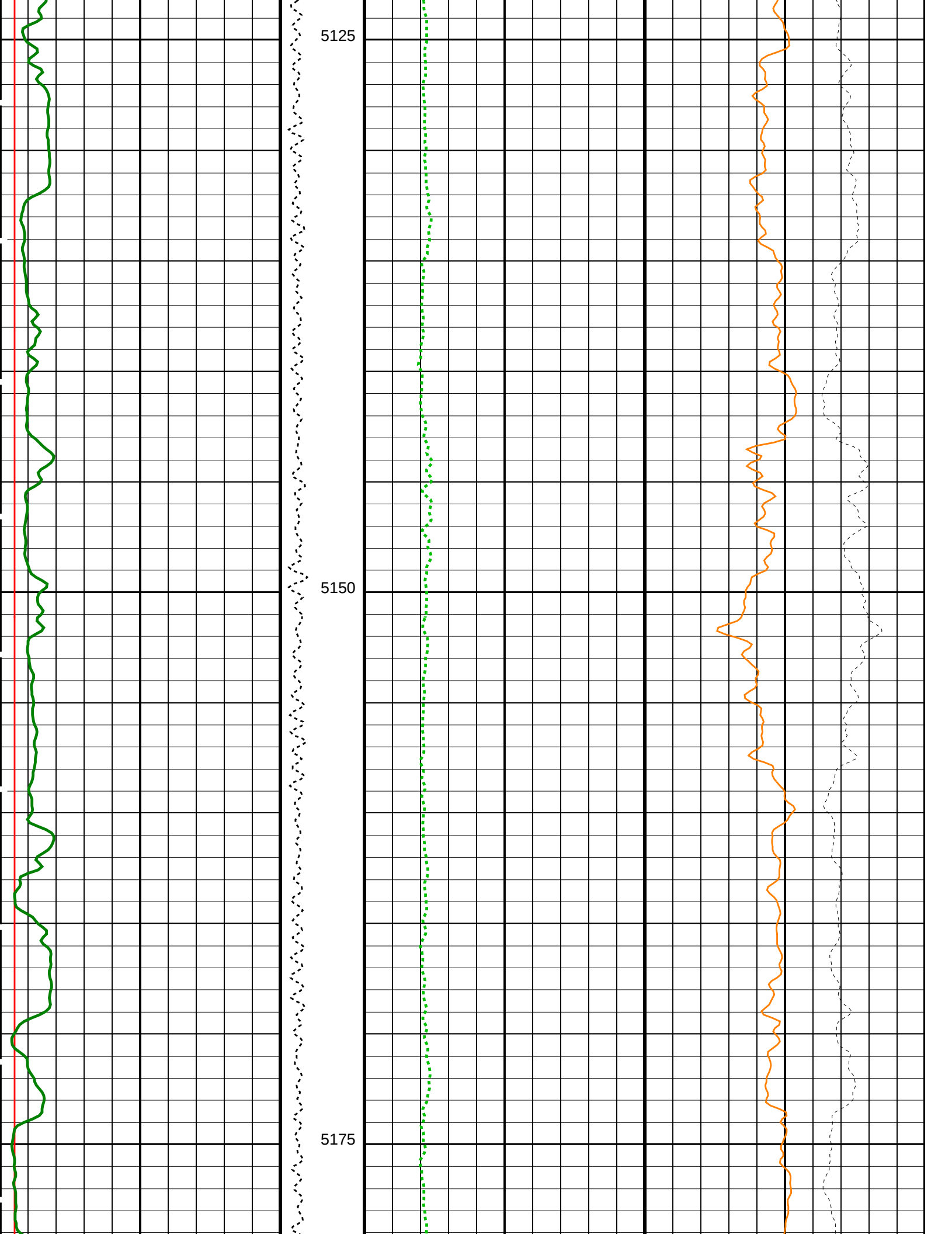


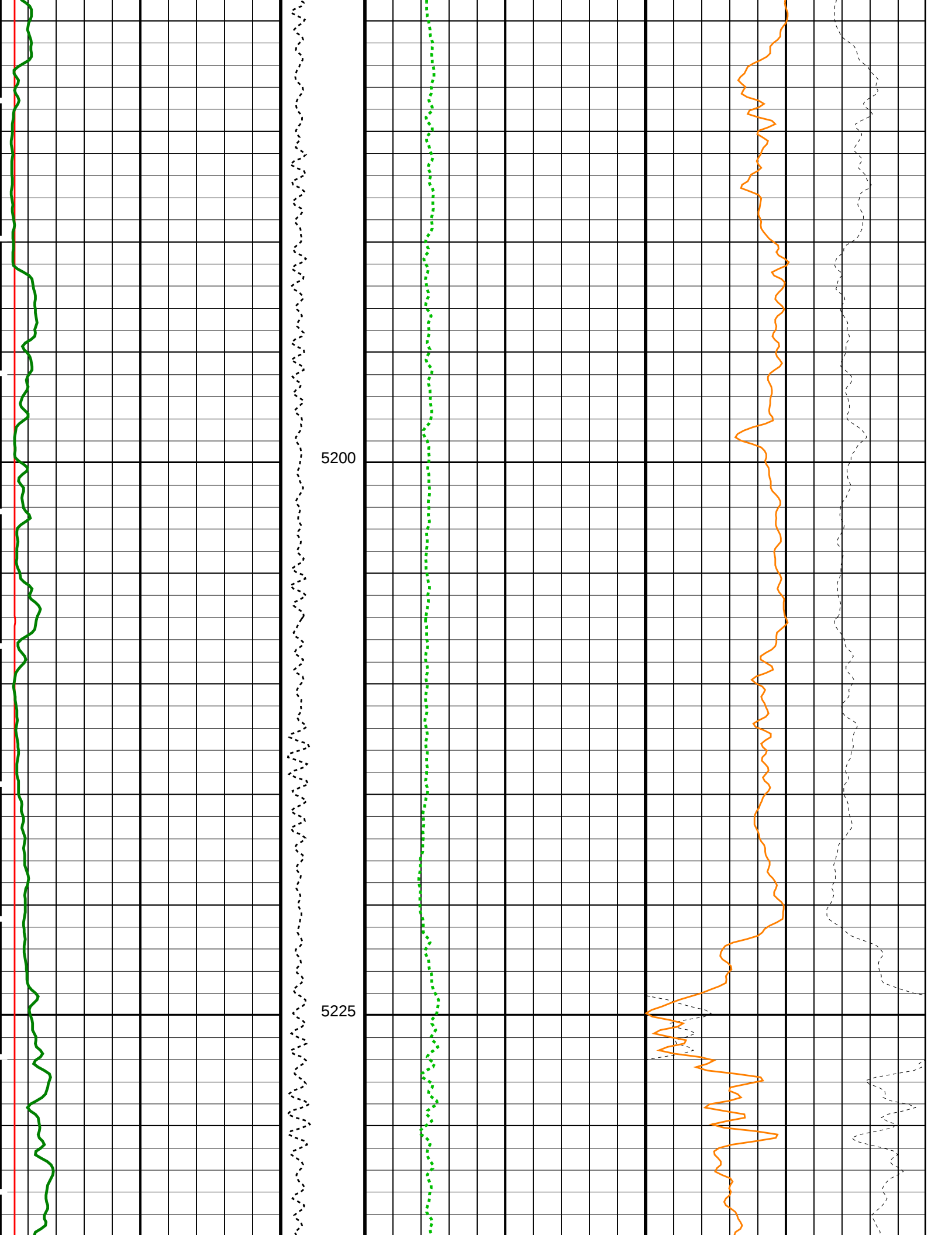


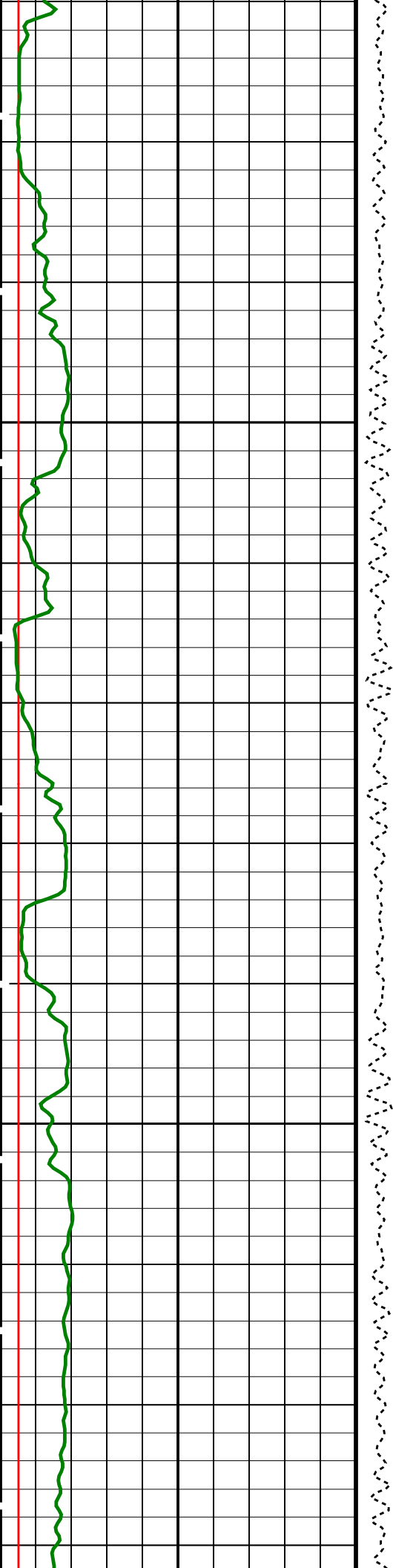
5075

5100



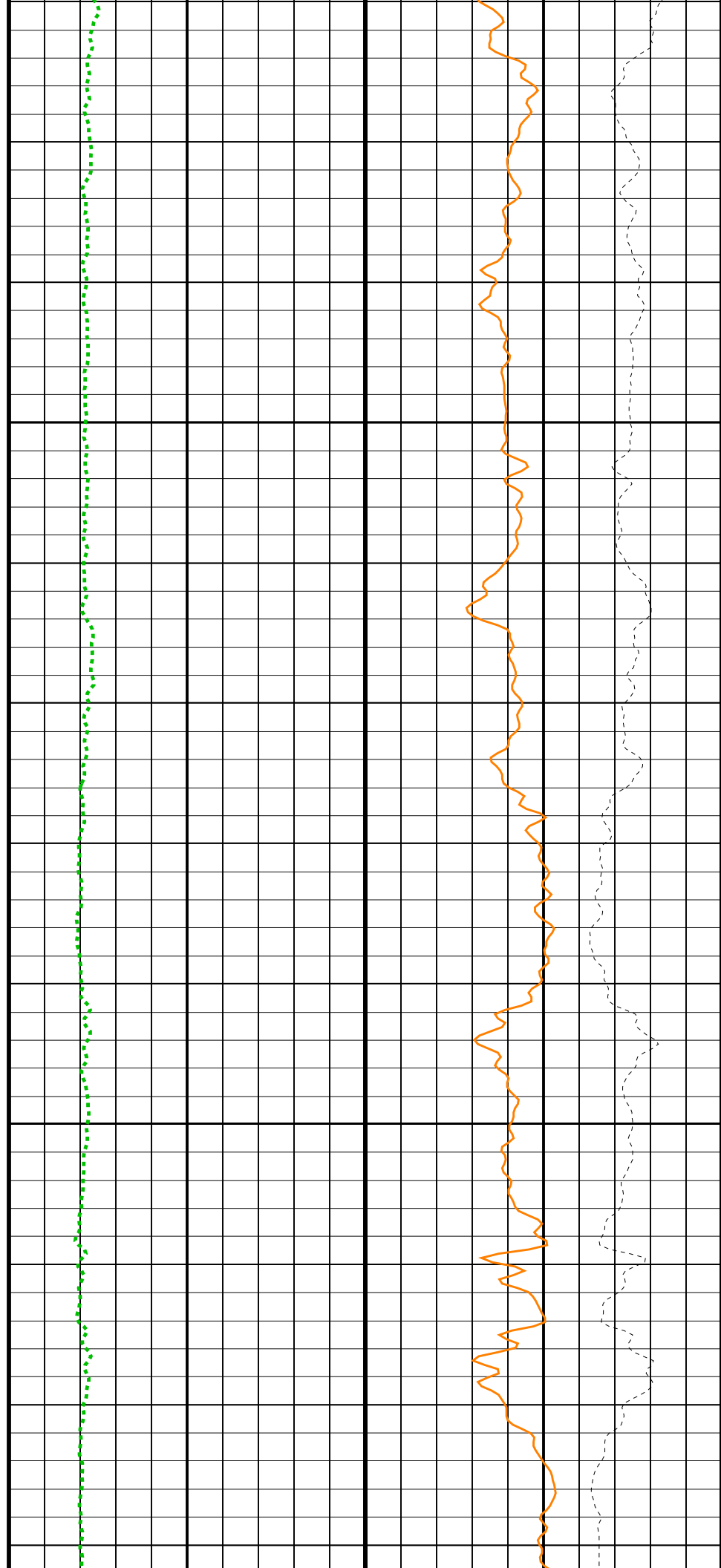


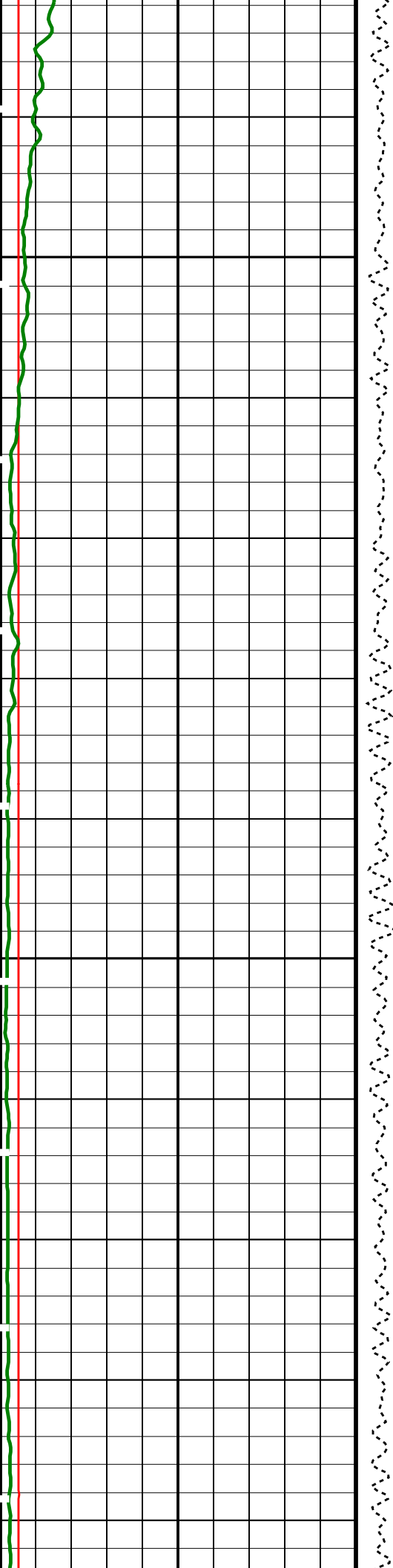




5250

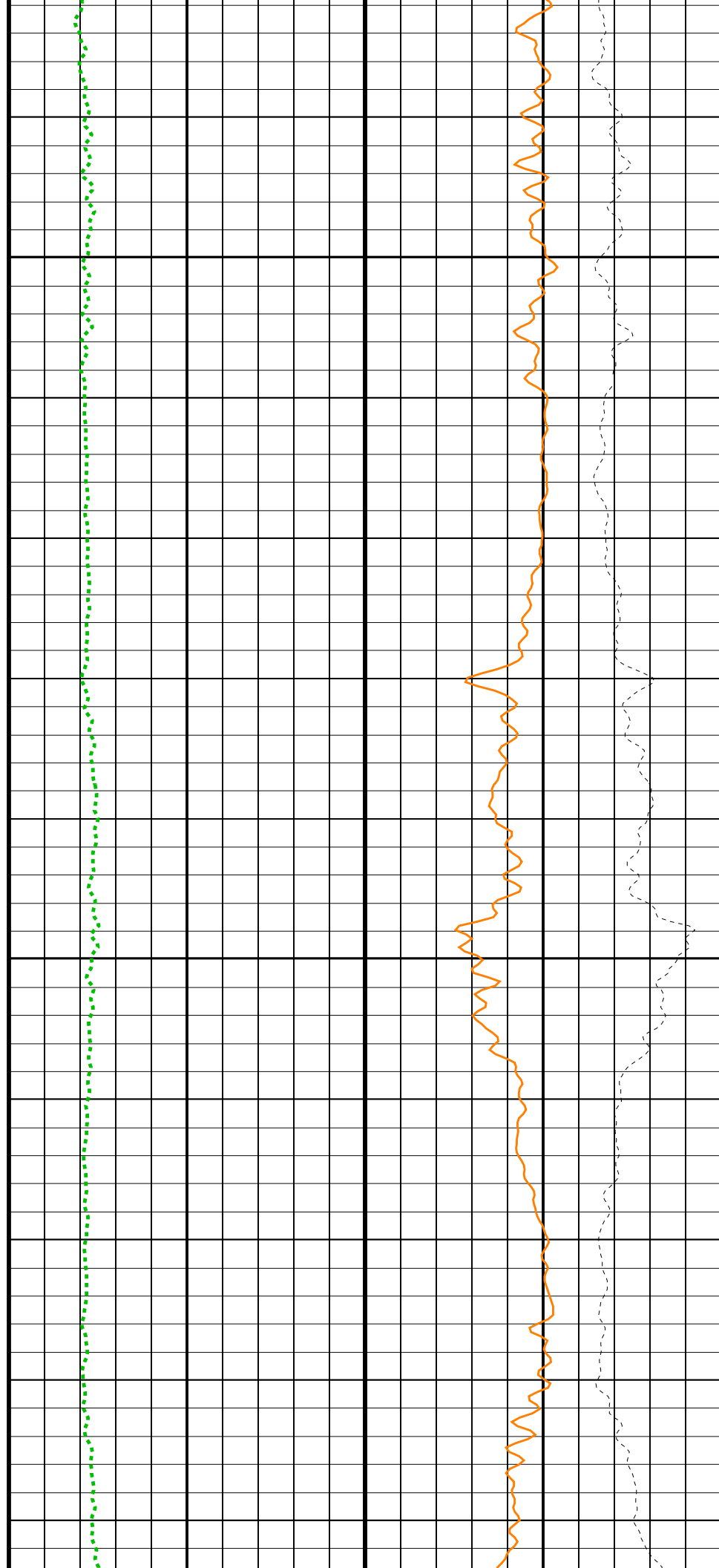
5275

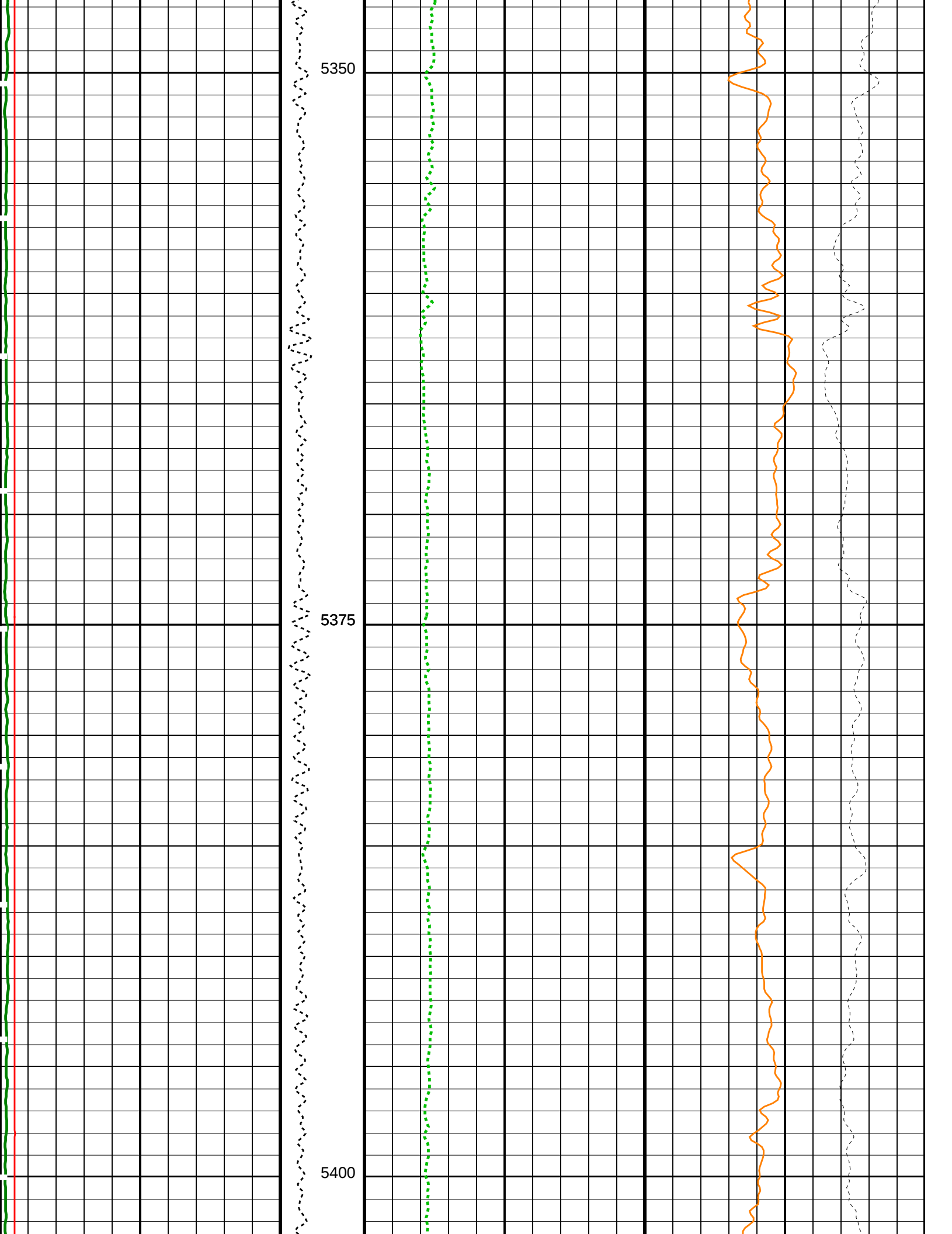


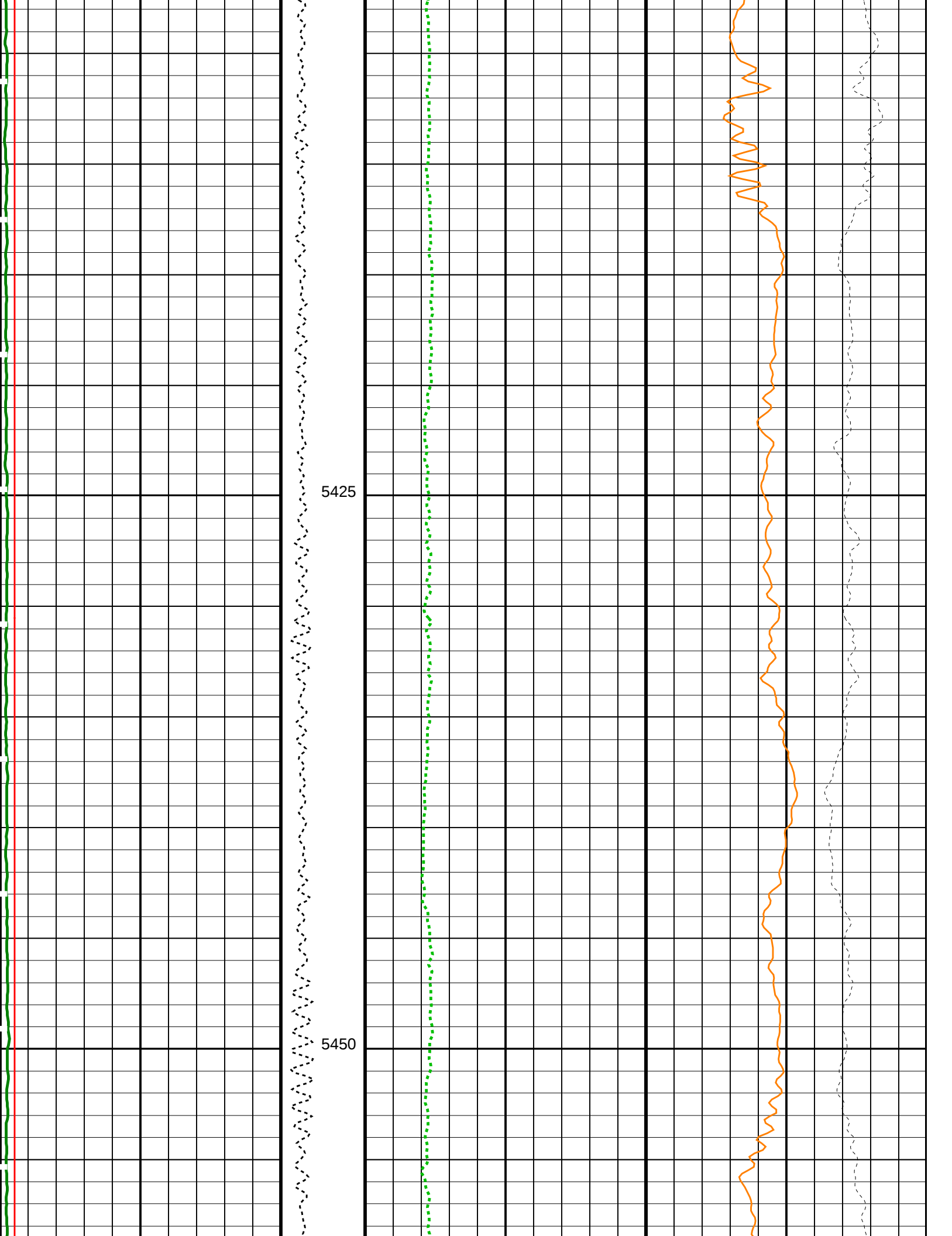


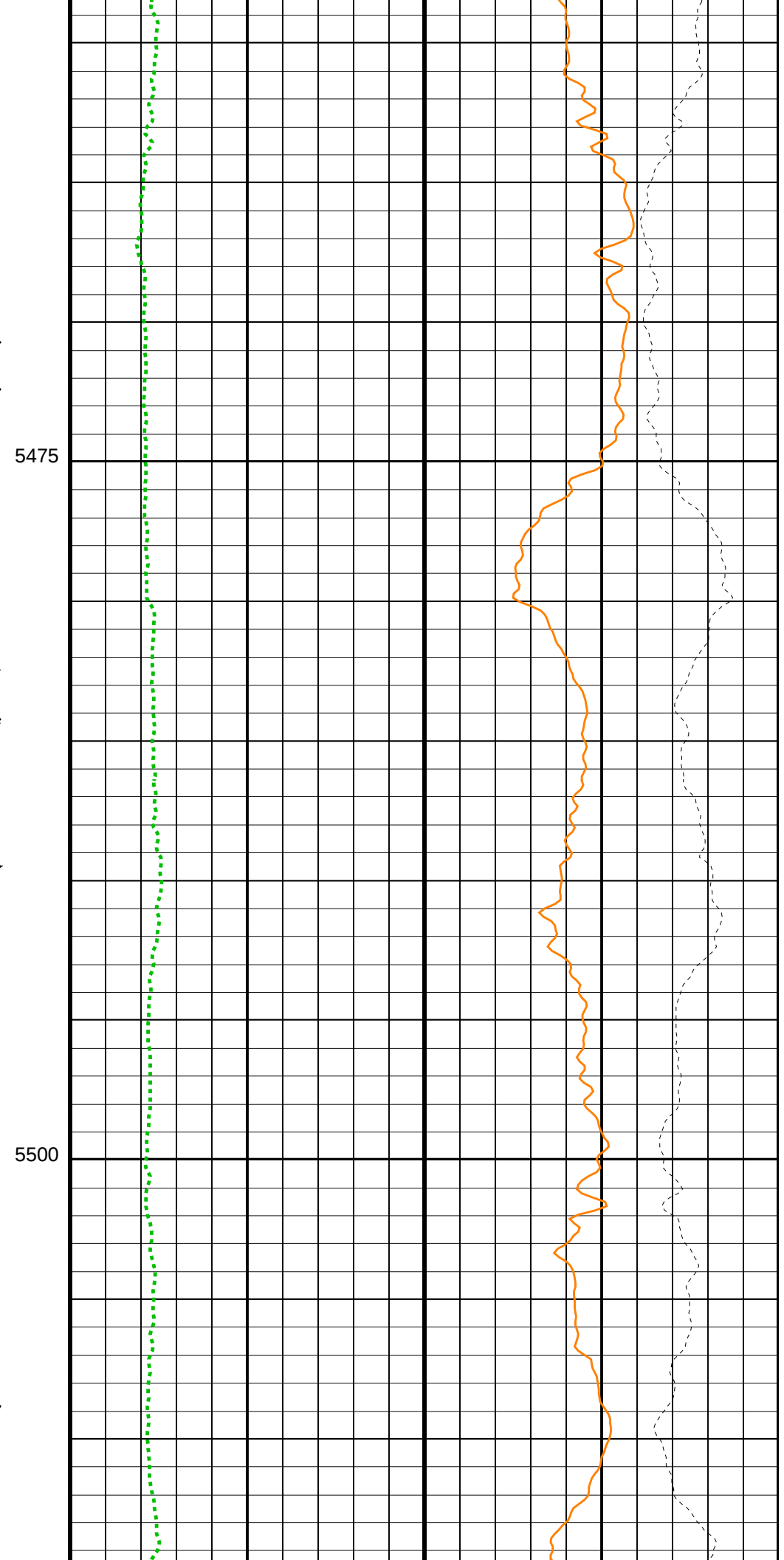
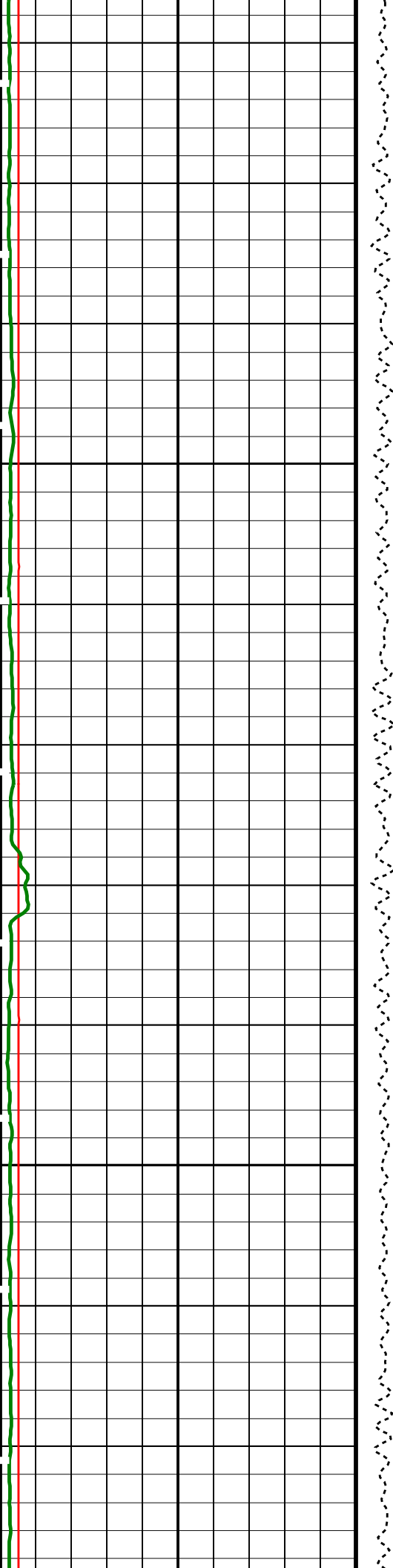
5300

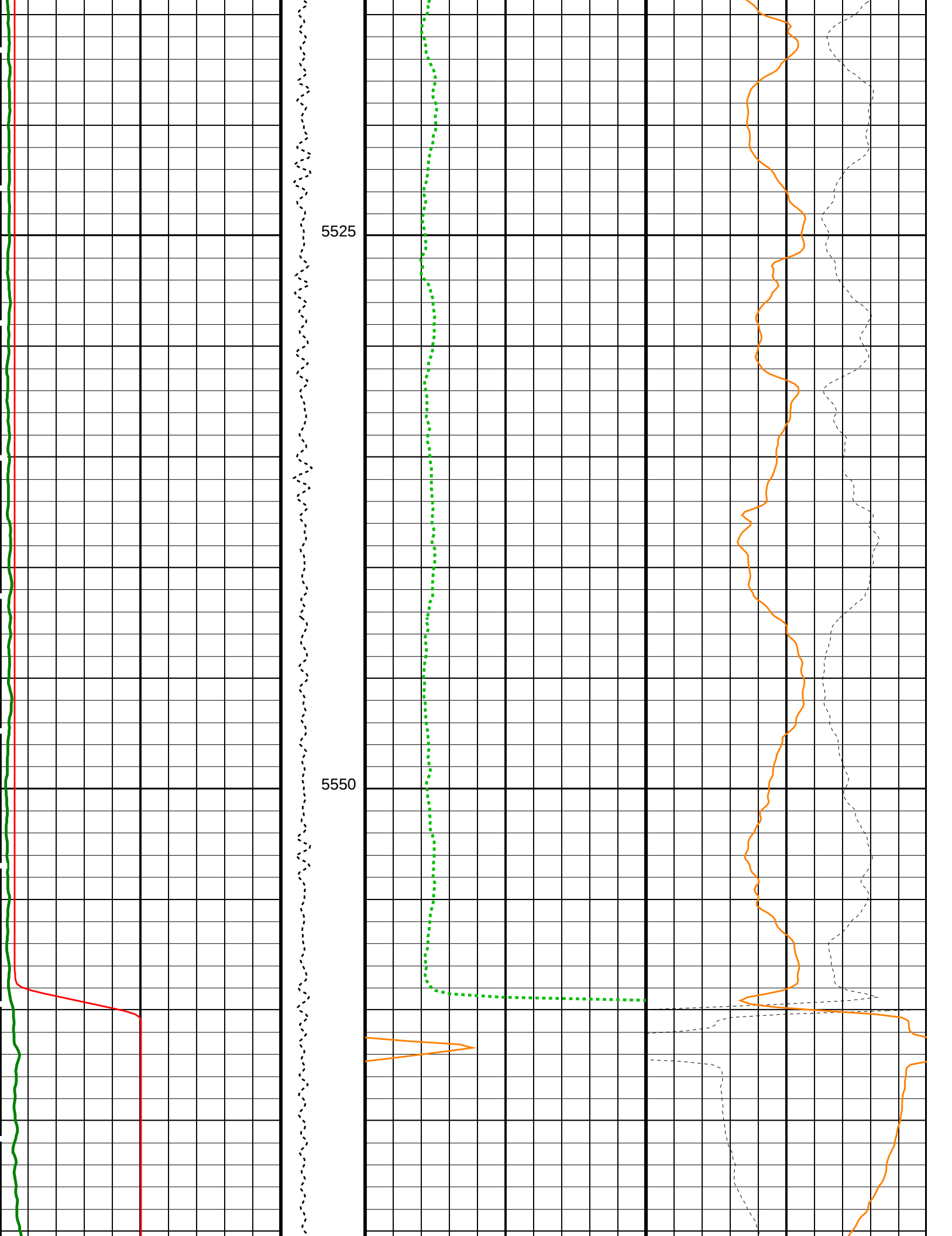
5325

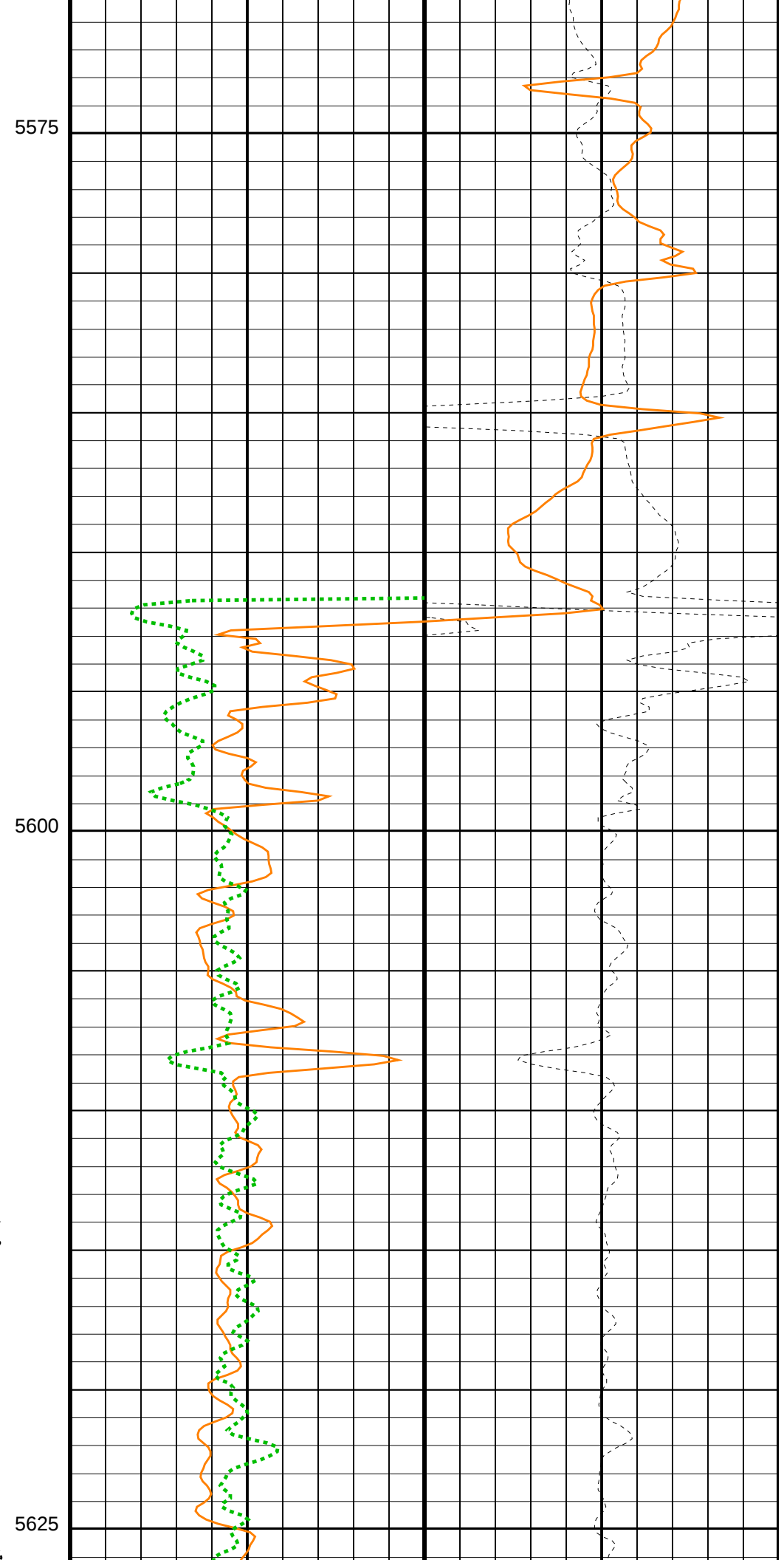
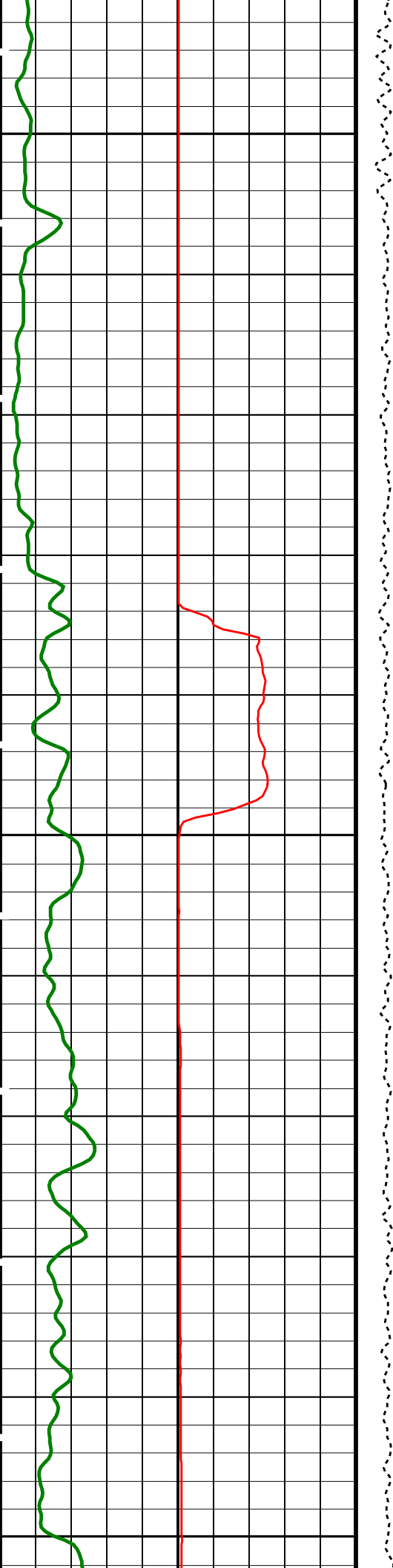


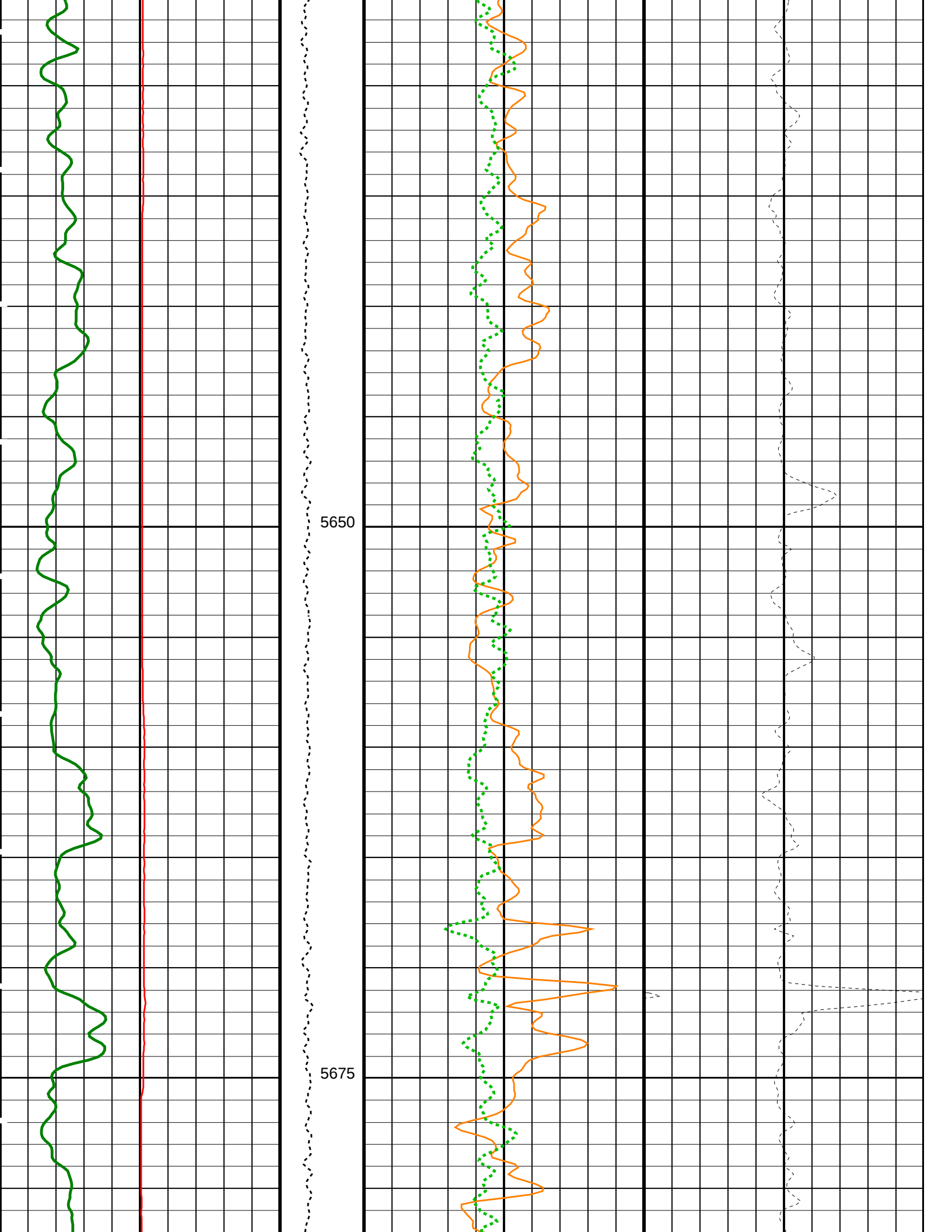


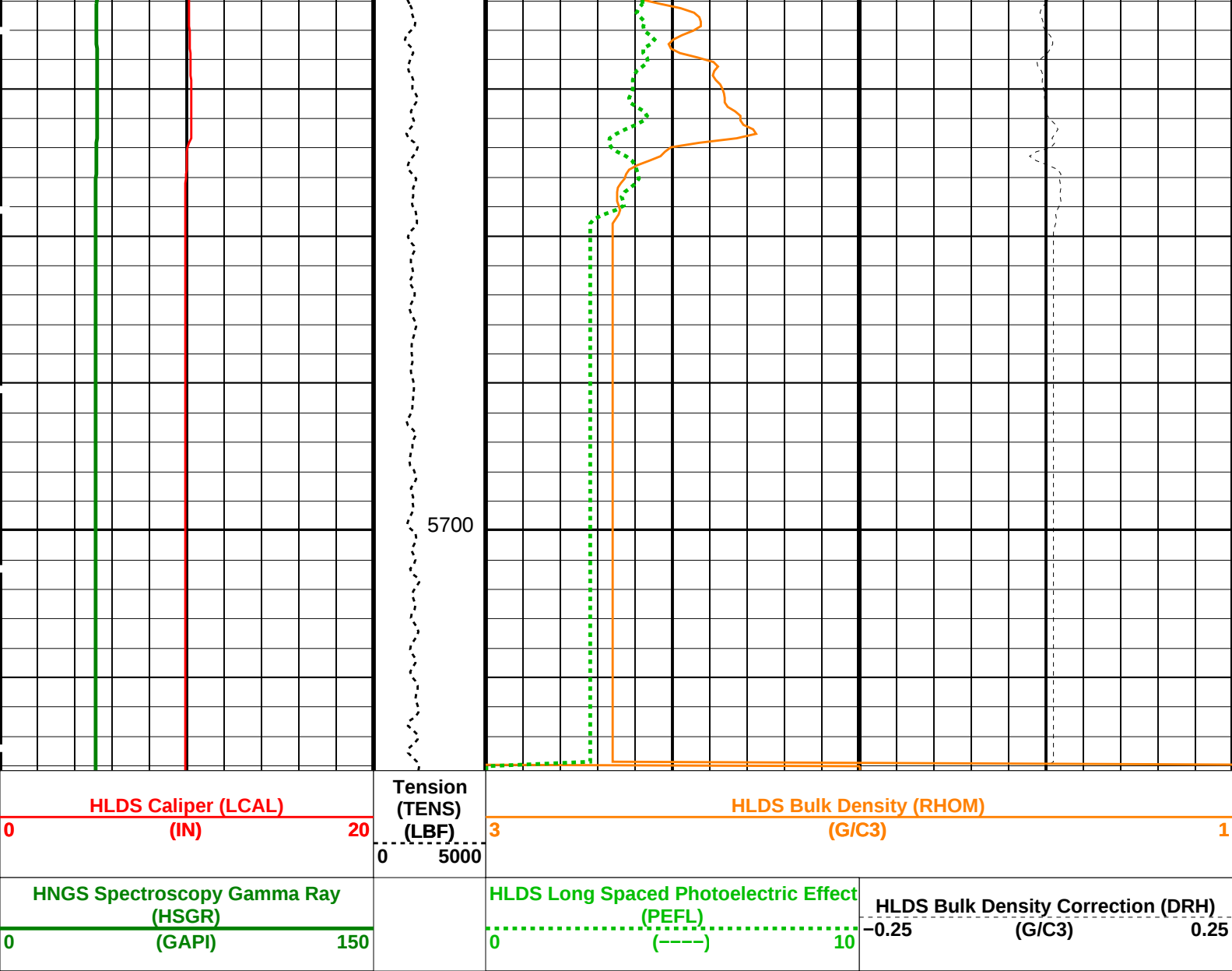












PIP SUMMARY

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
	HLDS: Hostile Litho-Density Sonde	
DHC	Density Hole Correction	CALIPER
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1 G/C3
LATC	HLDS Activation Correction	OFF
MDEN	Matrix Density	2.71 G/C3
	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	-0.00774036
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	1.02885	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.009	
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

Format: HLDSDensityPE Vertical Scale: 1:200 Graphics File Created: 18-May-2022 00:49

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:13	PRODUCER	18-May-2022 00:49
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:14	PRODUCER	18-May-2022 00:49

Company: International Ocean Discovery Program Well: Expedition 390, Site U1557D

Output DLIS Files

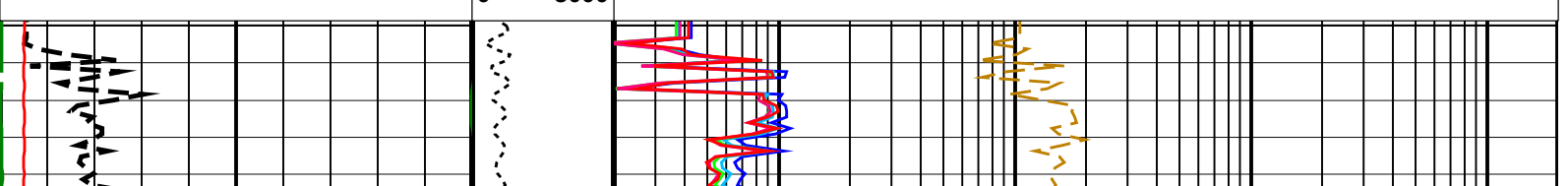
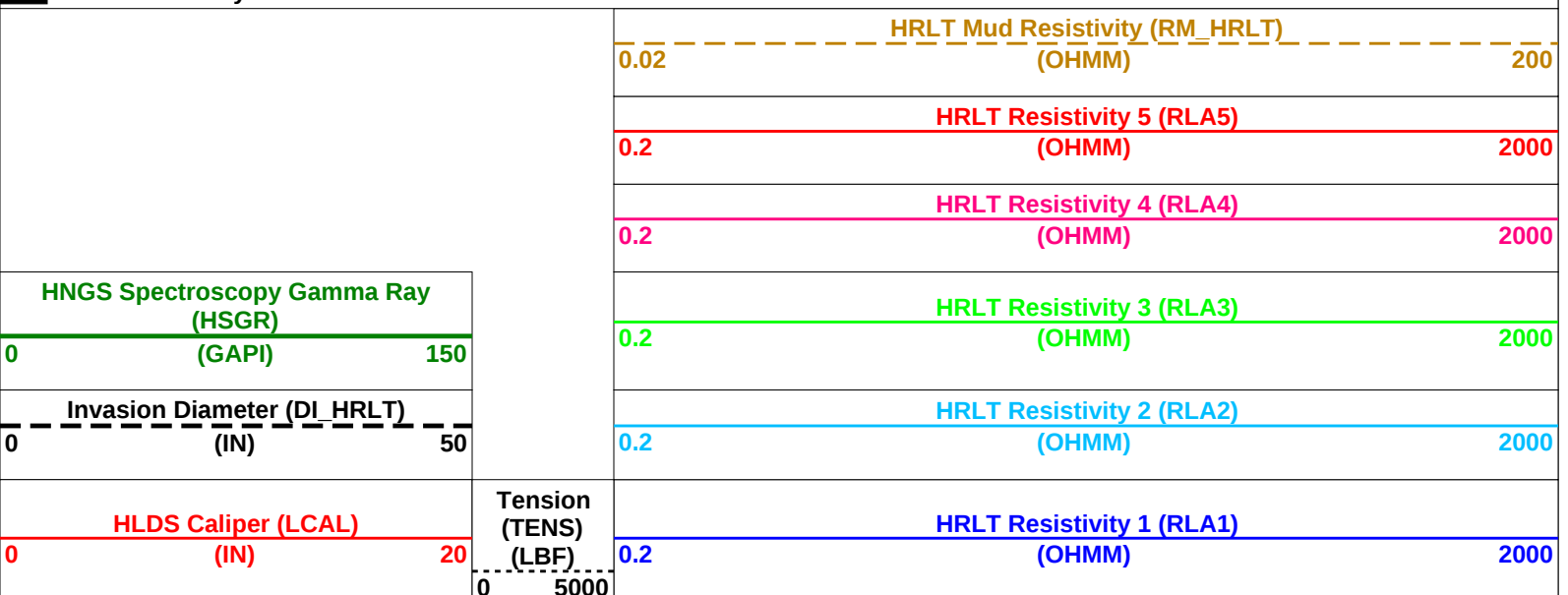
DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:13	PRODUCER	18-May-2022 00:49	5708.1 M	5009.7 M
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:14	PRODUCER	18-May-2022 00:49	5708.1 M	5009.7 M

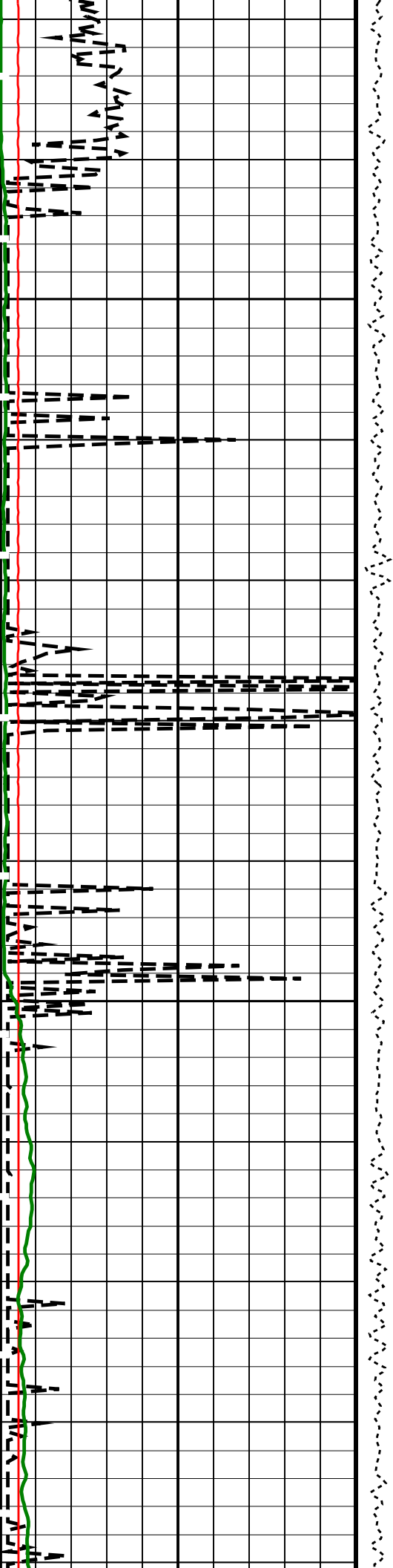
OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

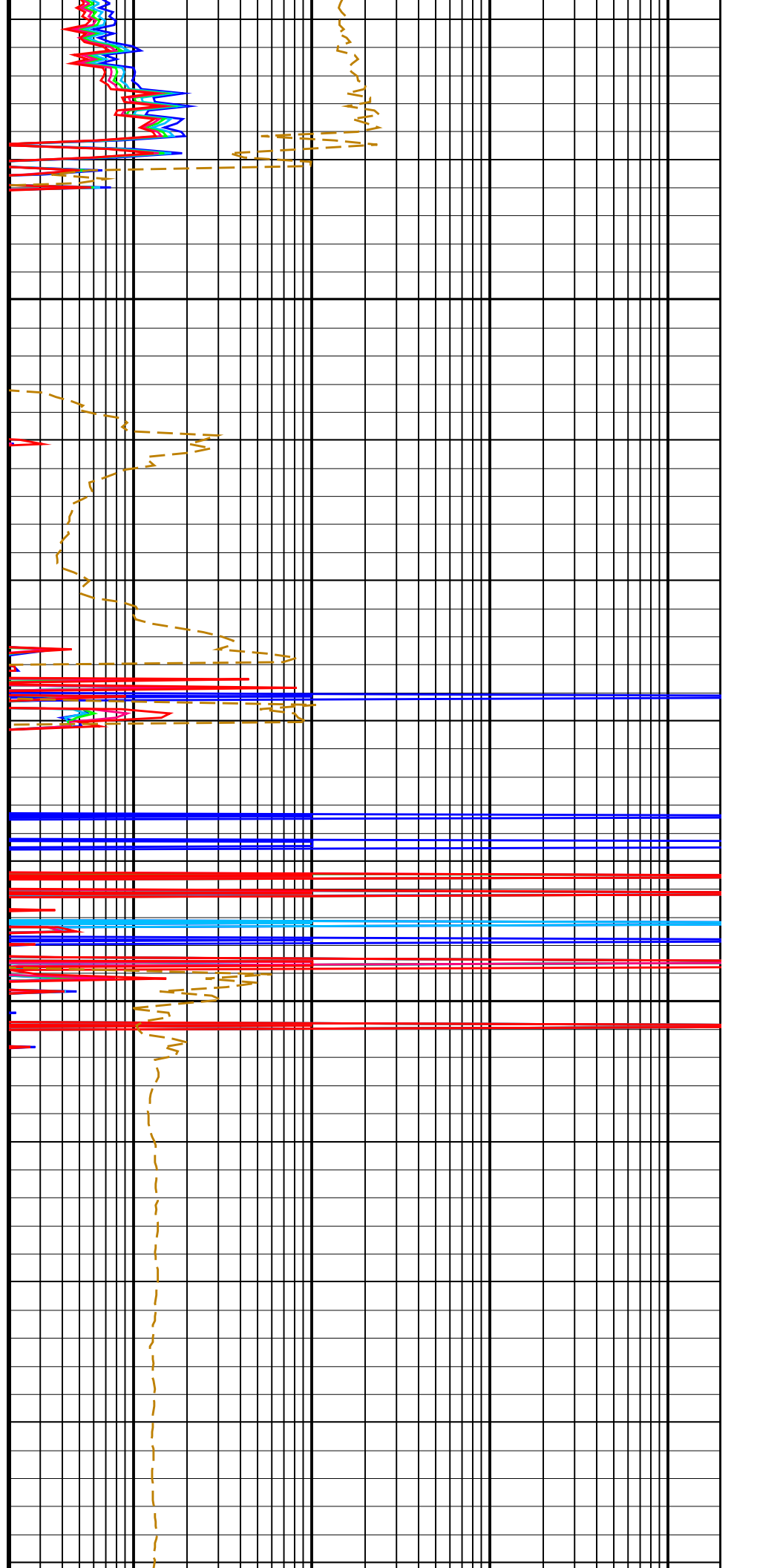
Time Mark Every 60 S

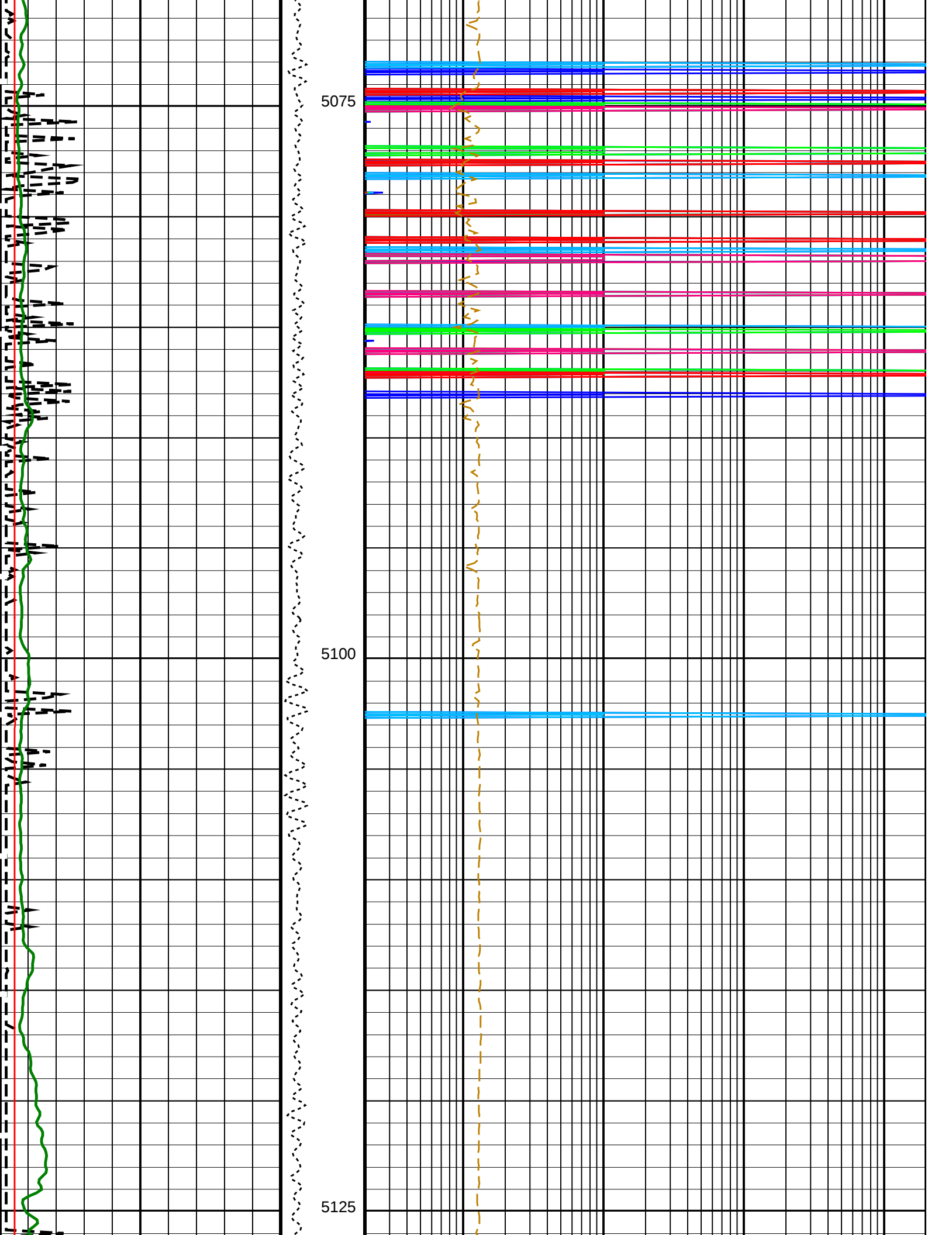


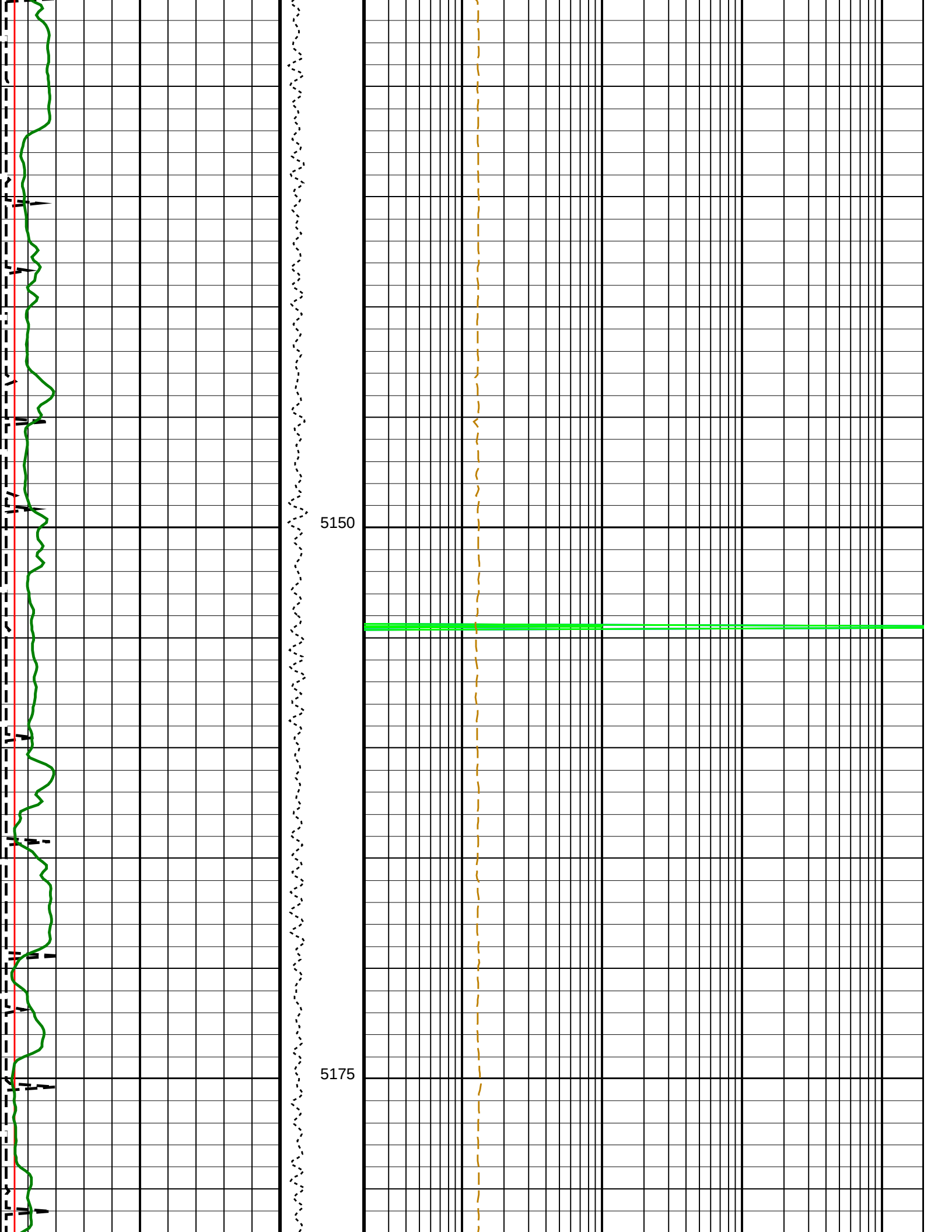


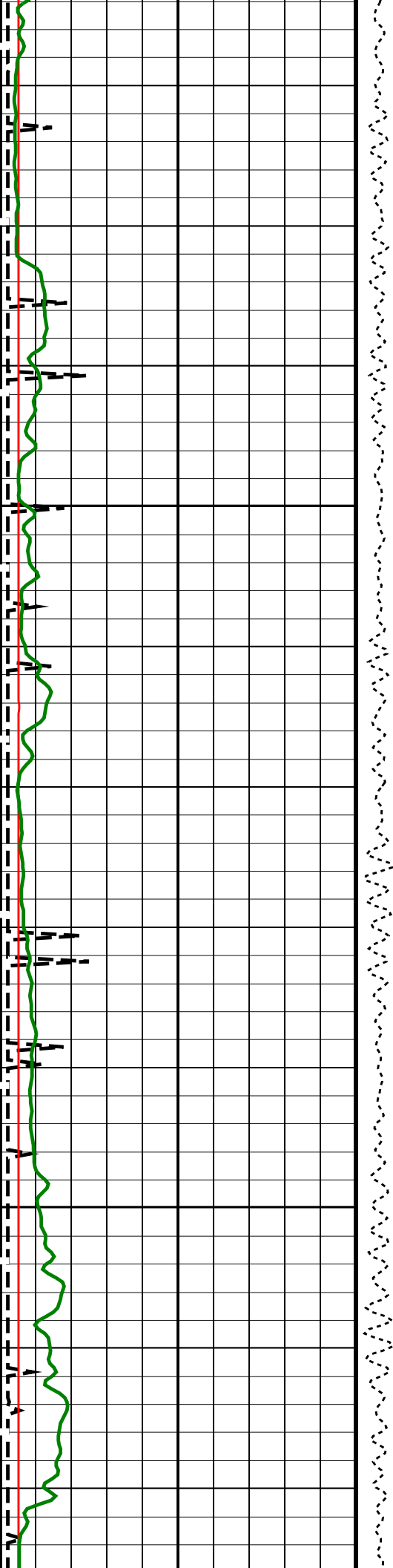
5025

5050



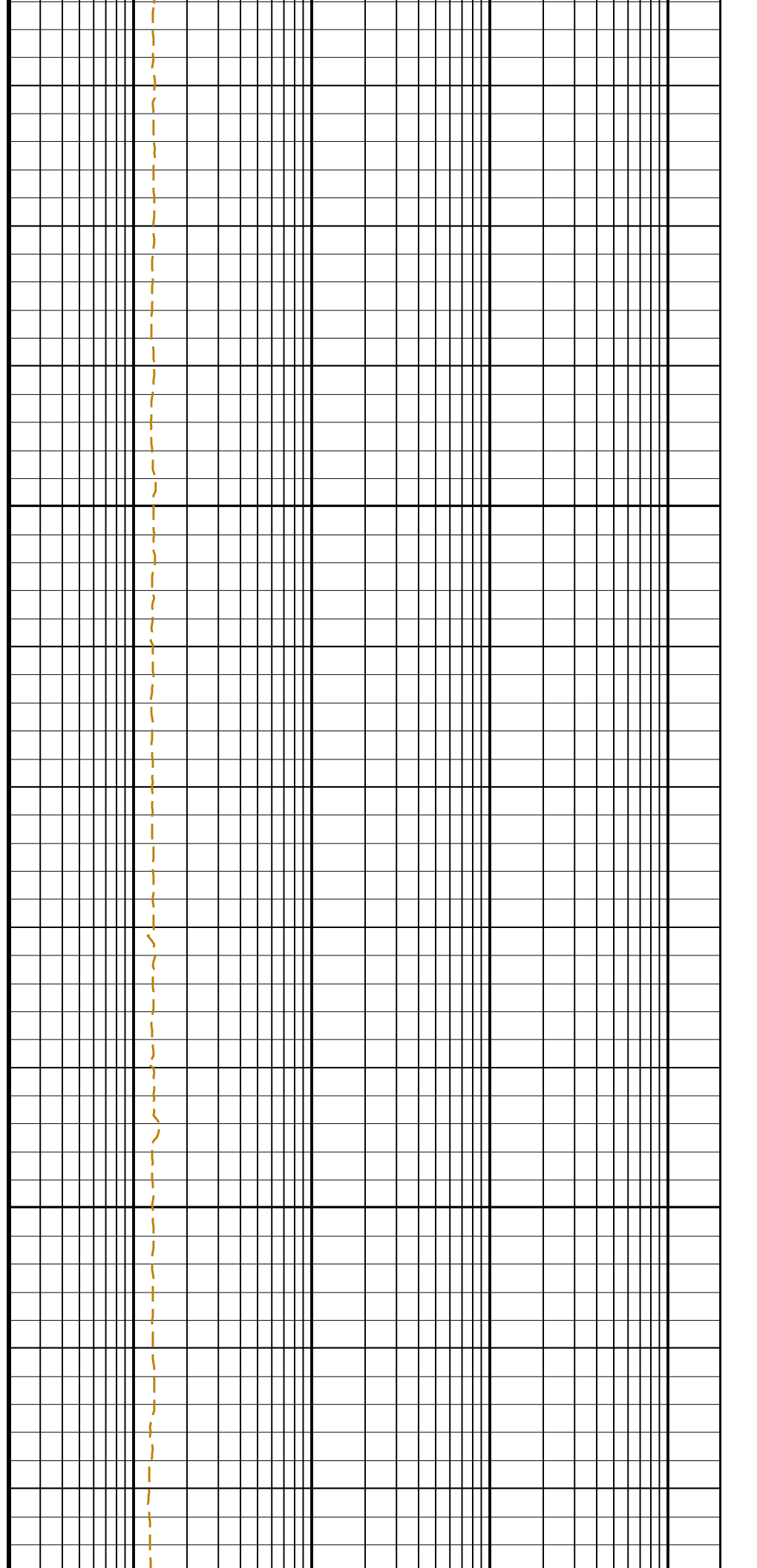


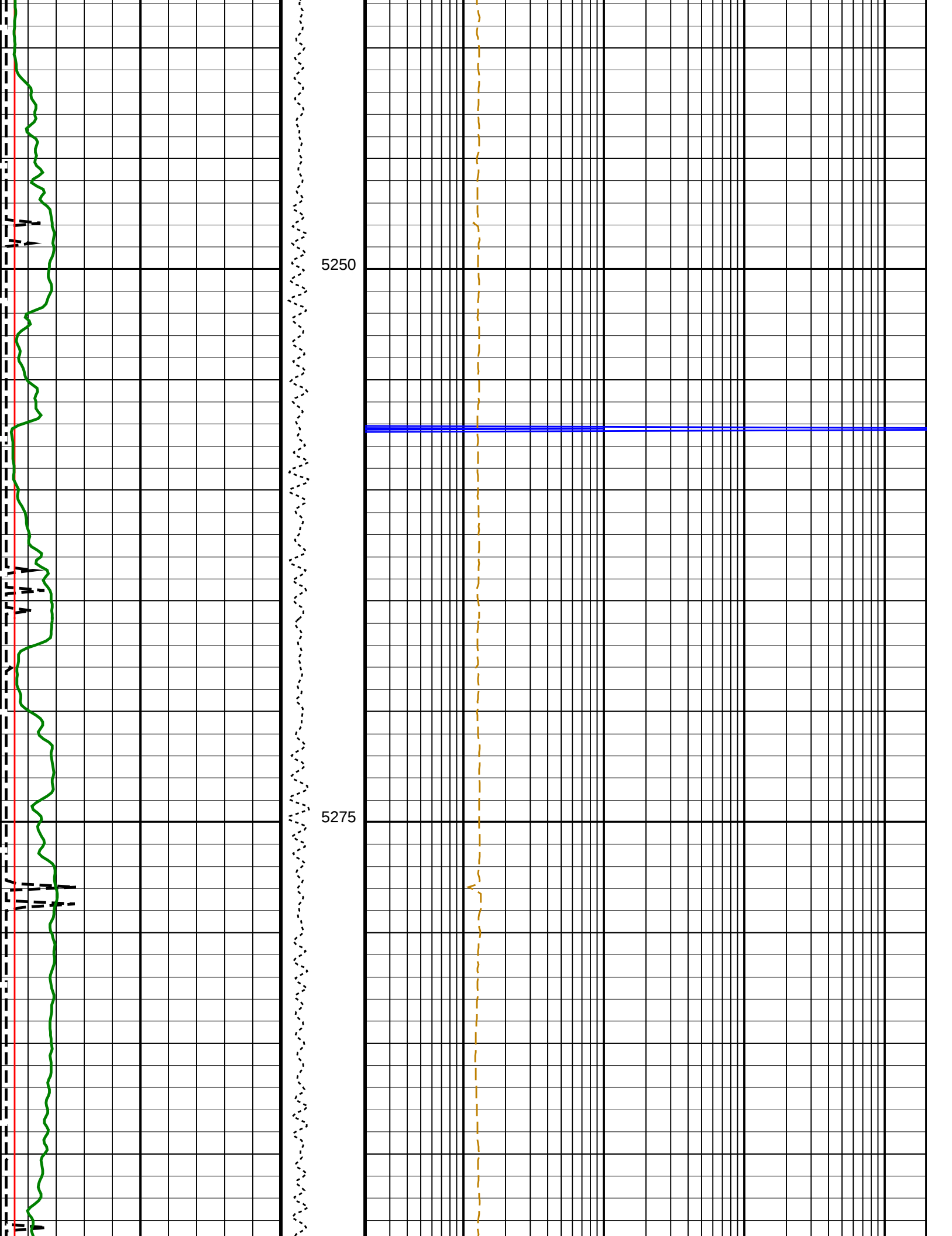


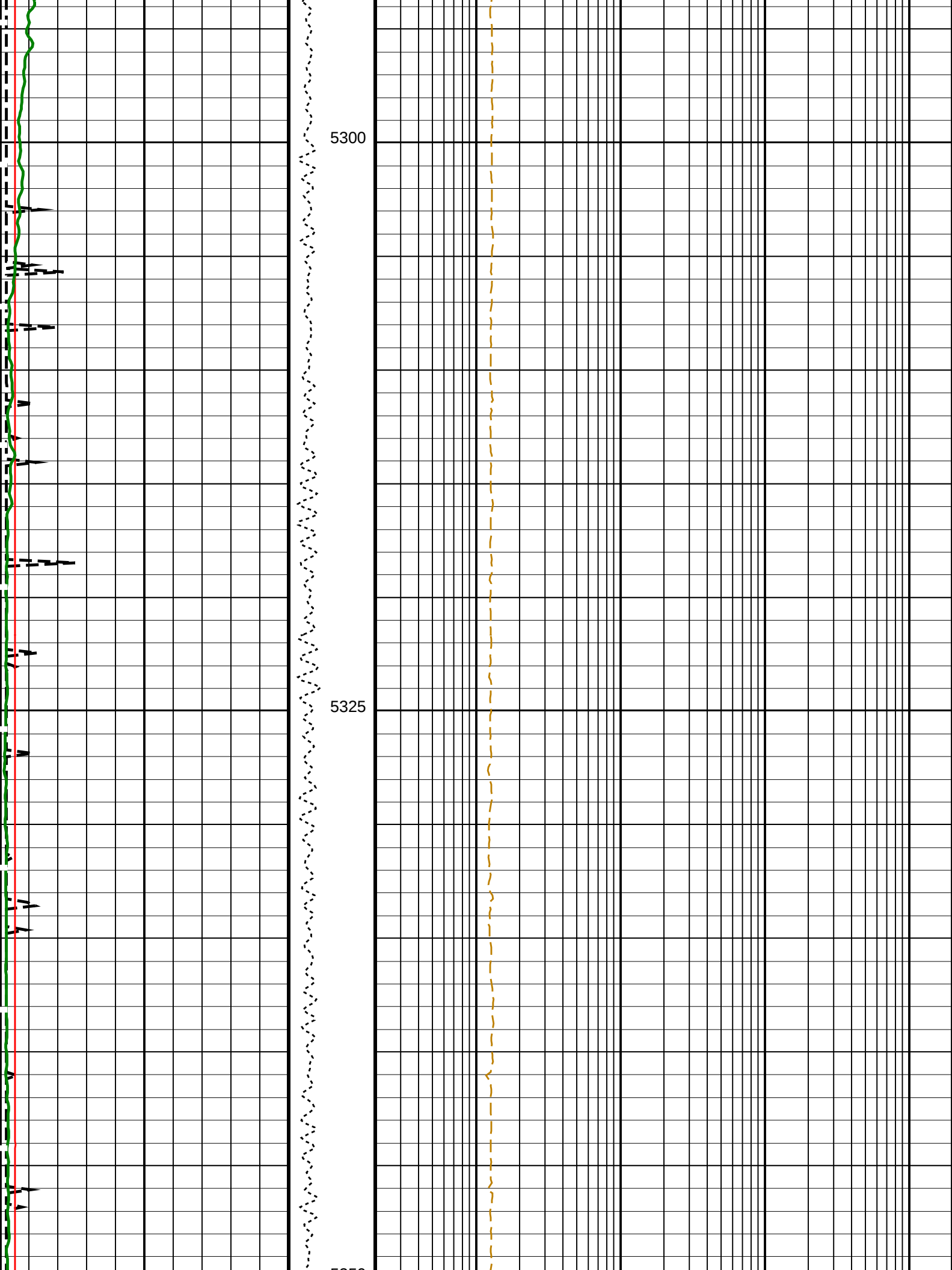


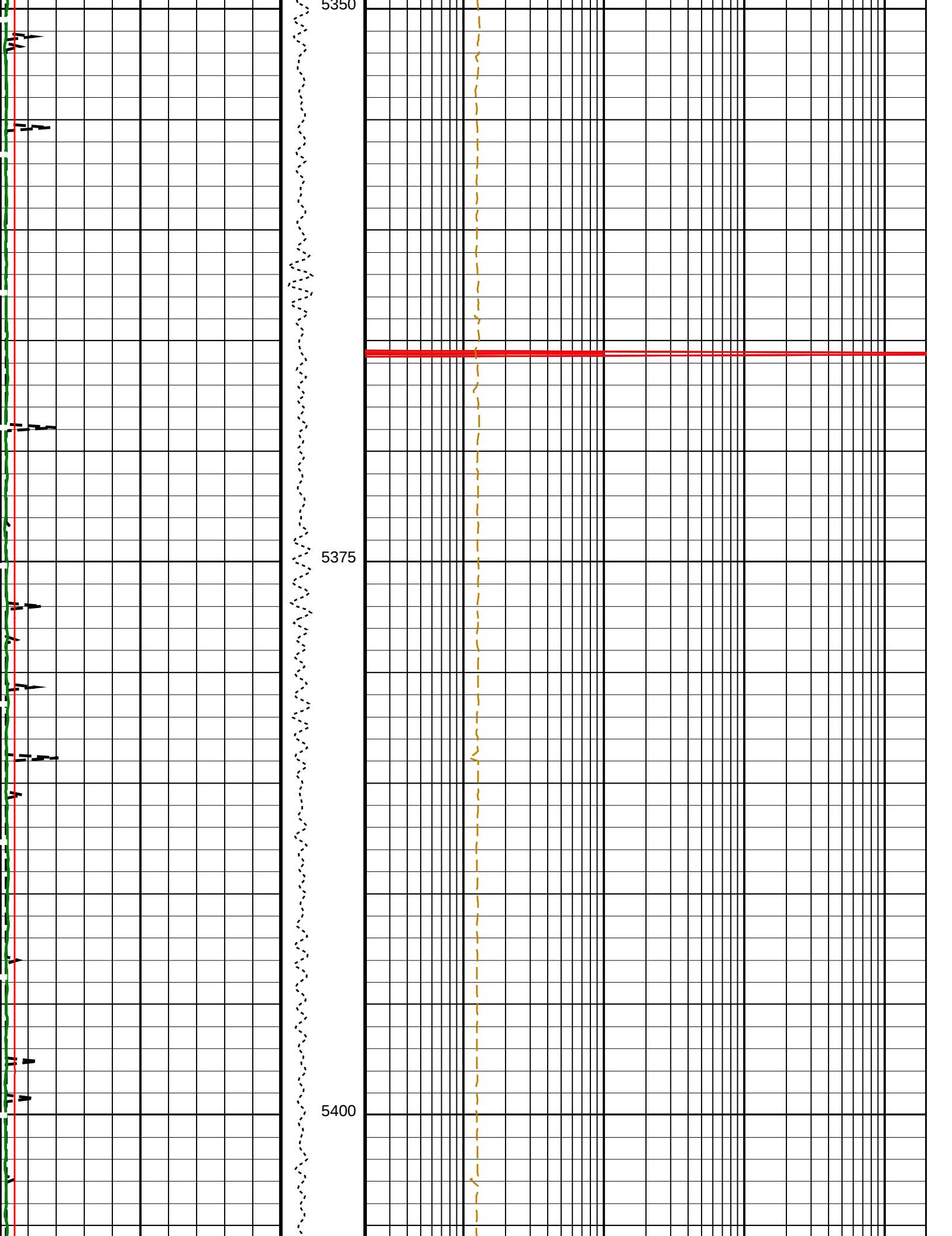
5200

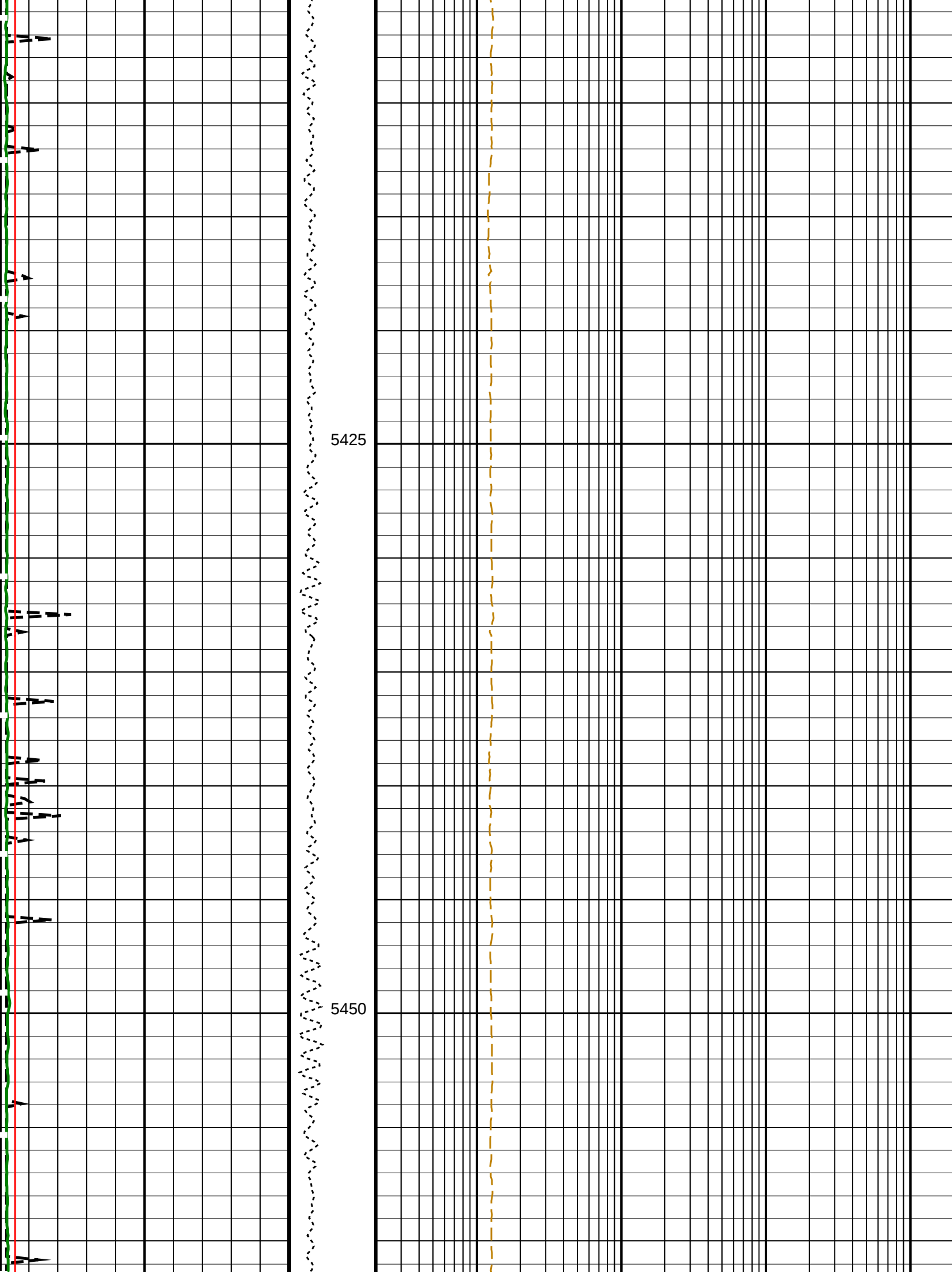
5225

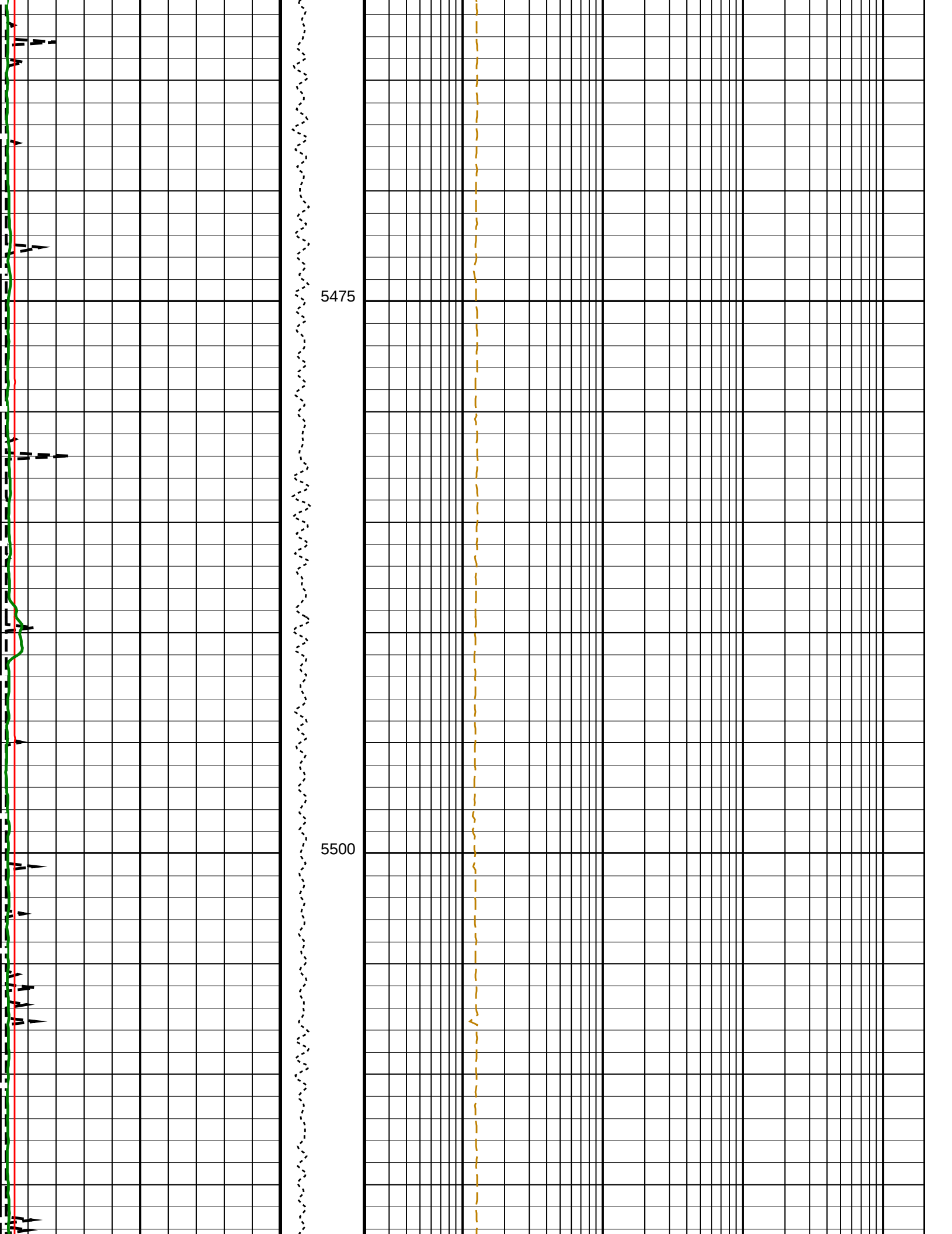


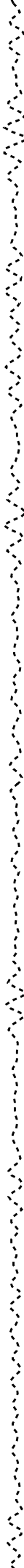
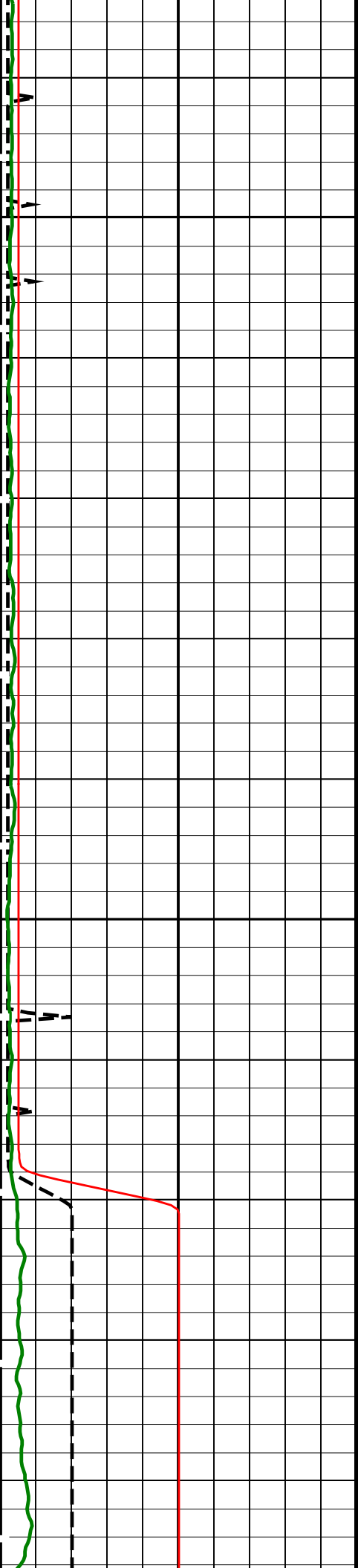






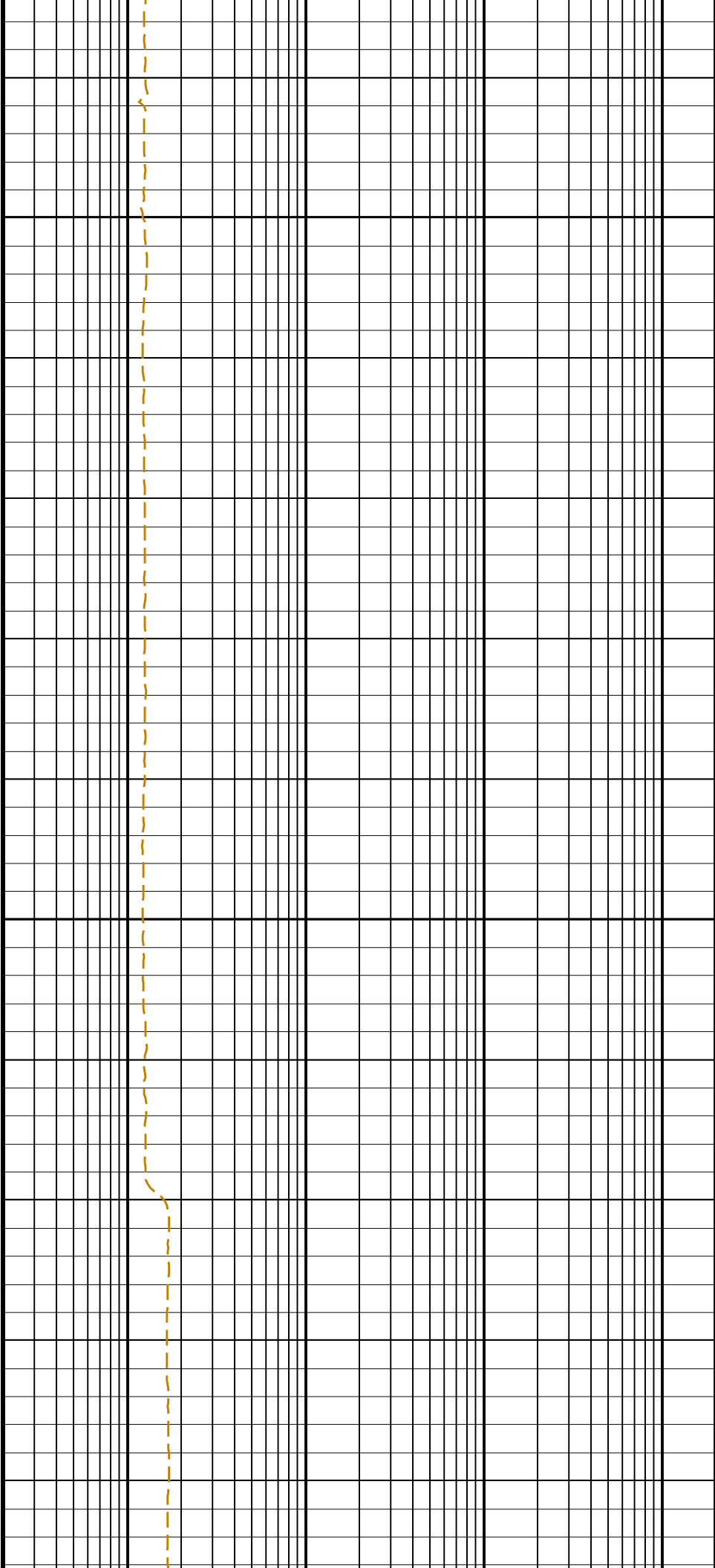


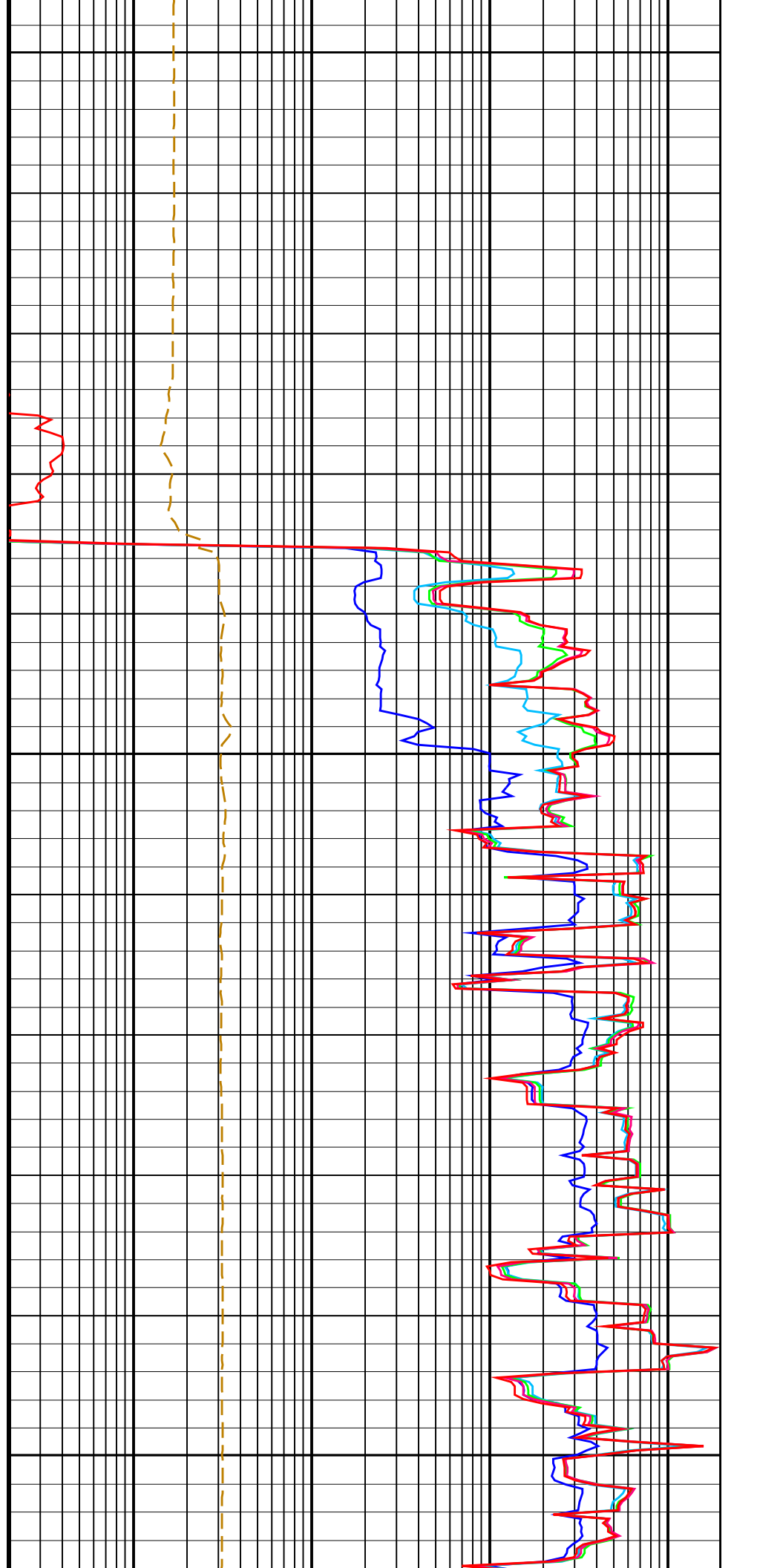
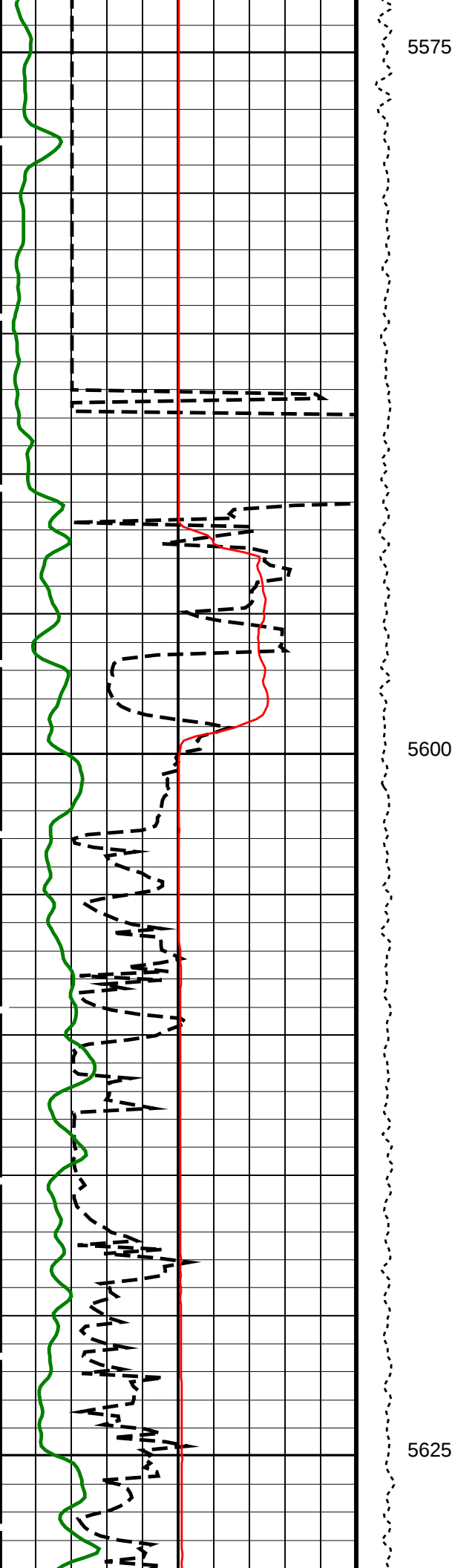


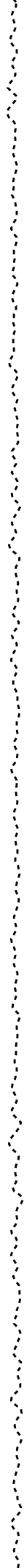
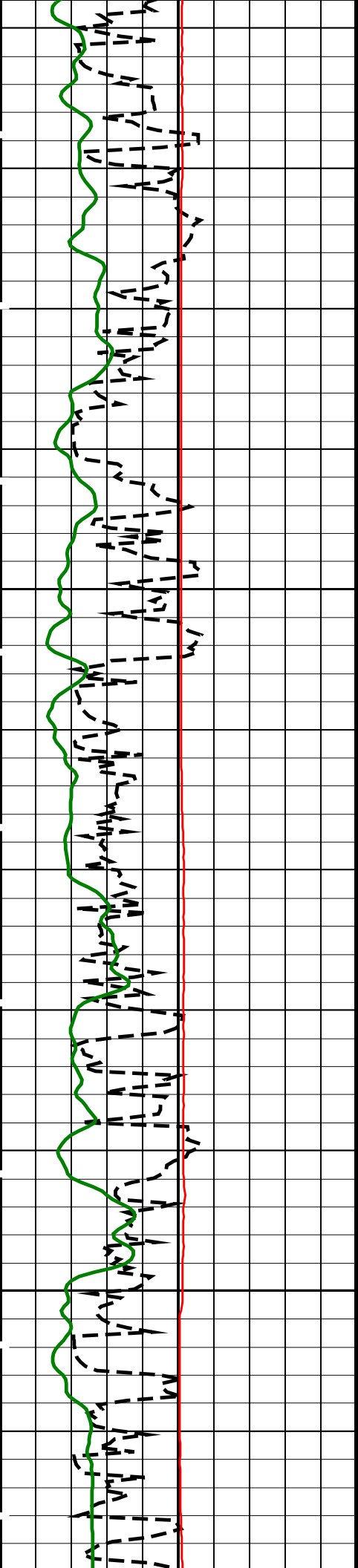


5525

5550

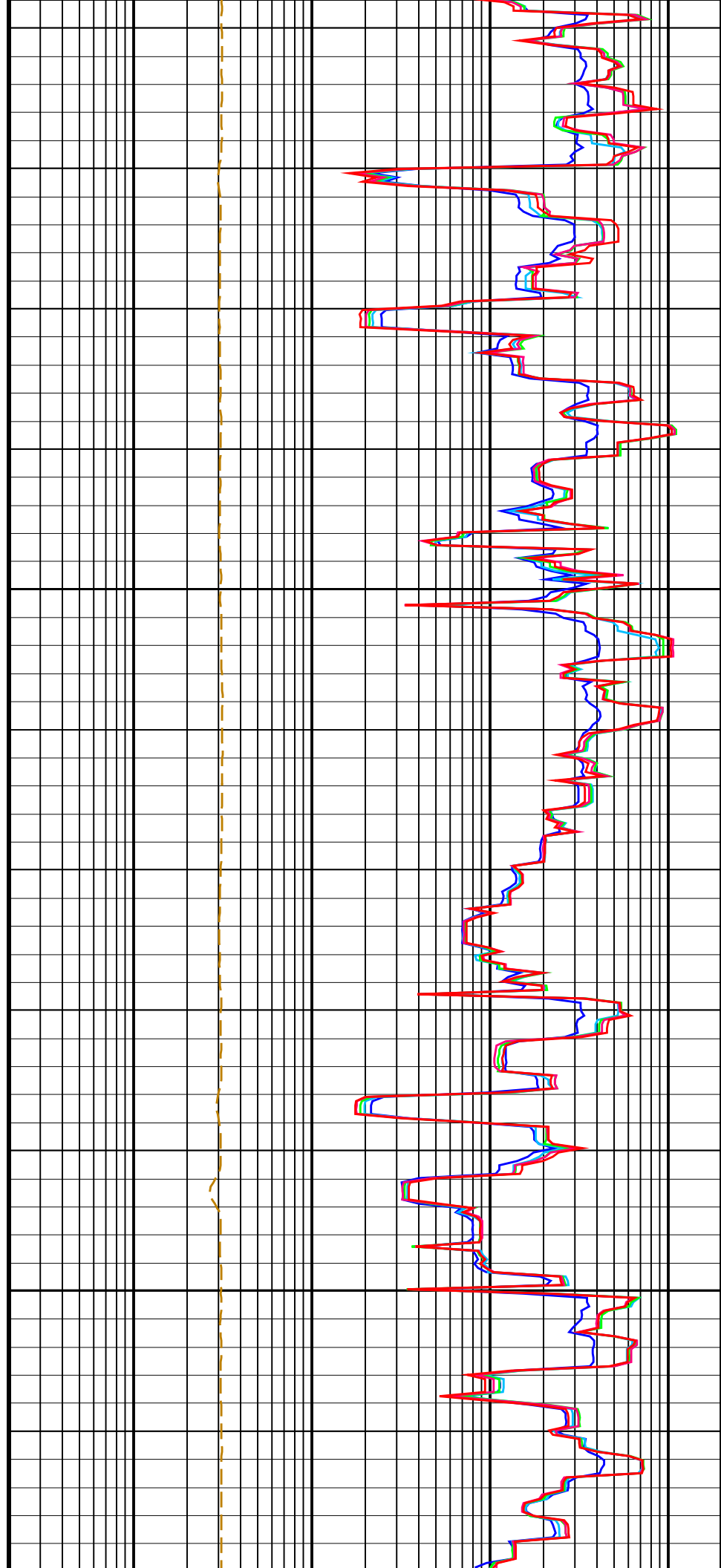


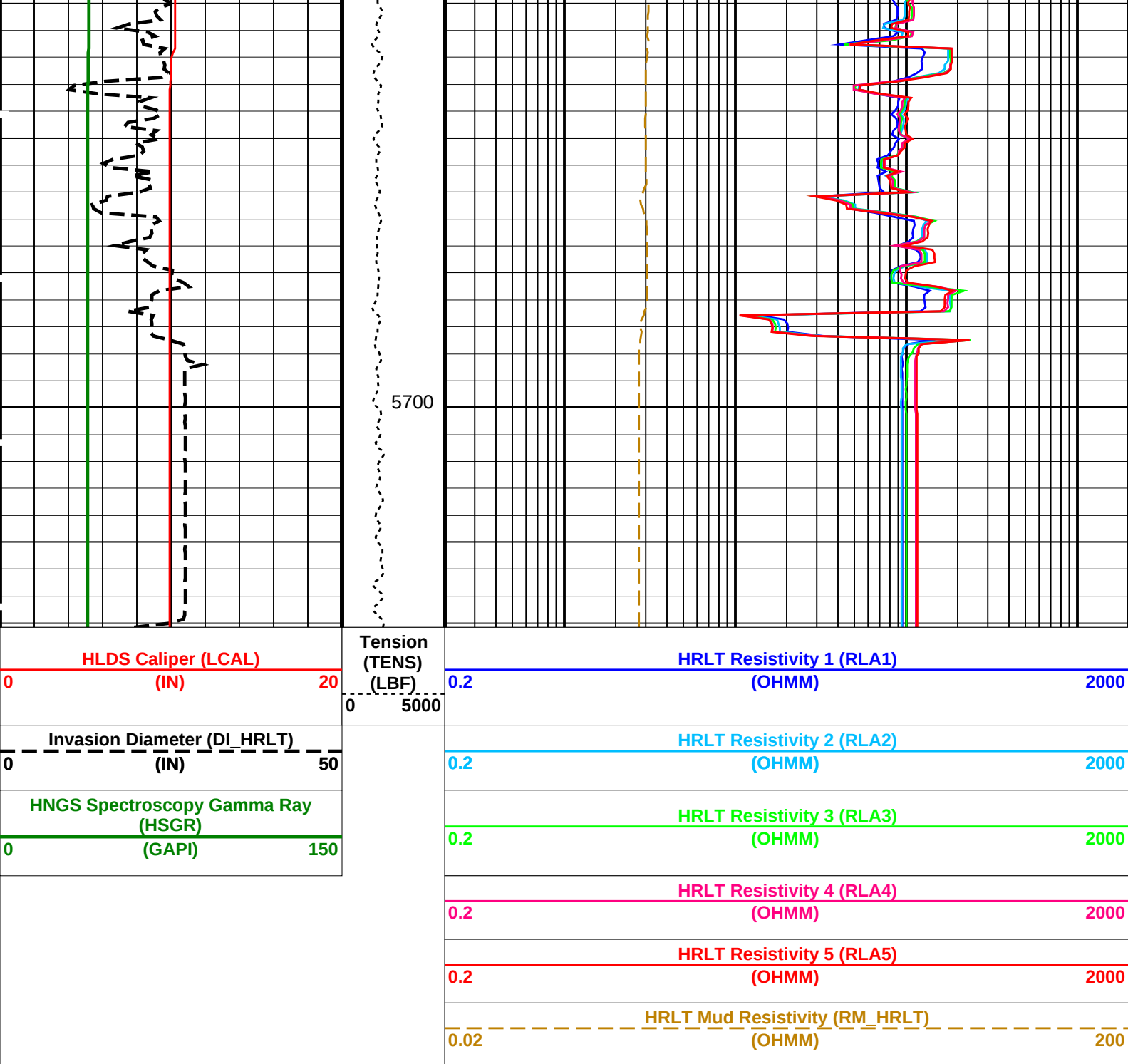




5650

5675





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)	20	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	
PROCML	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	0	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCPO	Sonde Position	Centered	
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)	20	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	-0.00774036	
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	1.02885	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.009	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	20	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
MST	Mud Sample Temperature	23.00	DEGC
TD	Total Depth	10190.3	FT

Format: HRLT Vertical Scale: 1:200 Graphics File Created: 18-May-2022 00:49

OP System Version: 19C0-187

MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:13	PRODUCER	18-May-2022 00:49
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:14	PRODUCER	18-May-2022 00:49

Company: International Ocean Discovery Program Well: Expedition 390, Site U1557D

Output DLIS Files

DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:13	PRODUCER	18-May-2022 00:49	5708.1 M	5010.9 M
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:14	PRODUCER	18-May-2022 00:49	5708.1 M	5010.9 M

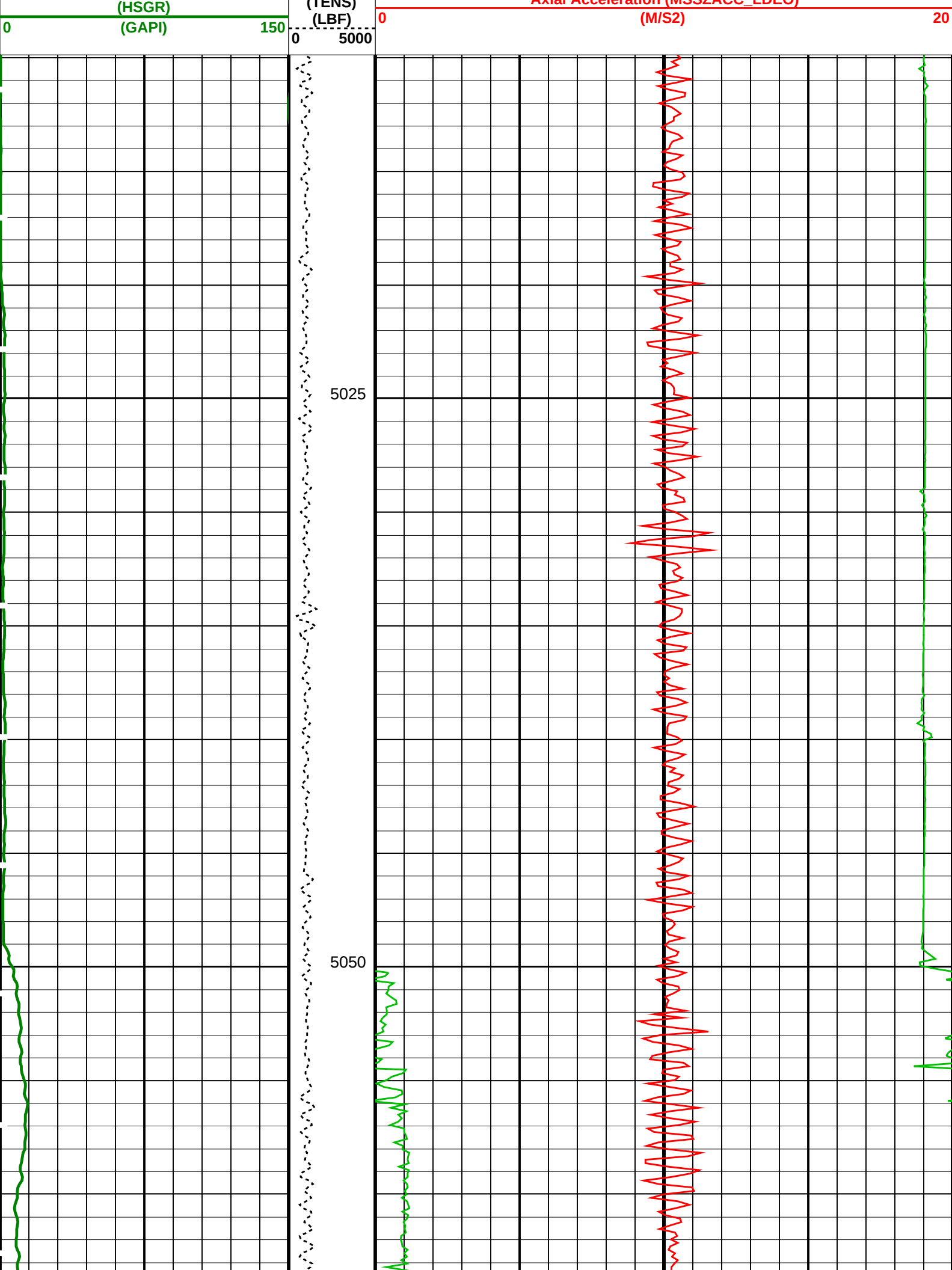
OP System Version: 19C0-187

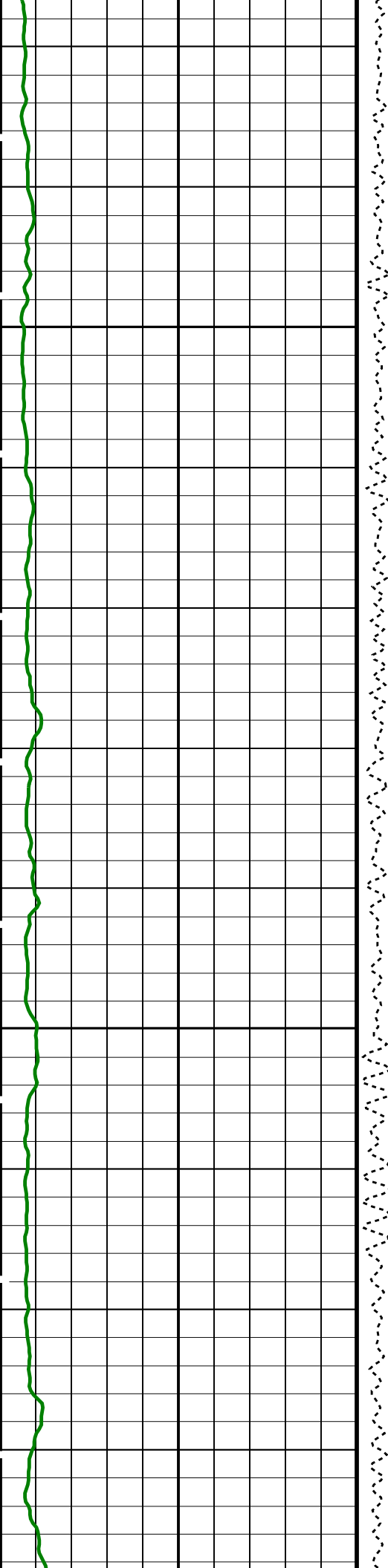
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

PIP SUMMARY

Time Mark Every 60 S

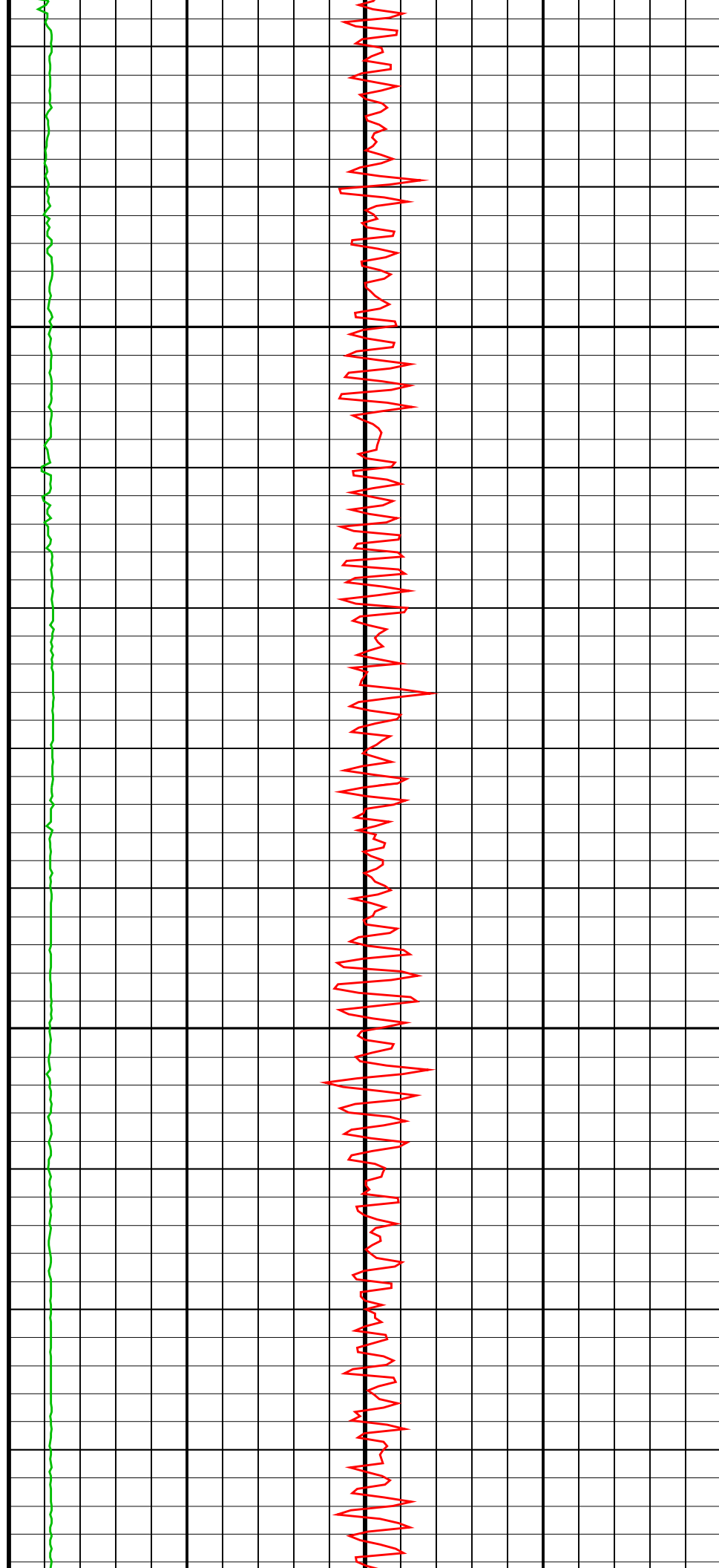
		Dual-Coil Susceptibility (MSSLUS_LDEO)	
		-10000	90000
		(PPM)	
HNGS Spectroscopy Gamma Ray	Tension (TENG)	Axial Acceleration (MSSZACC_LDEO)	

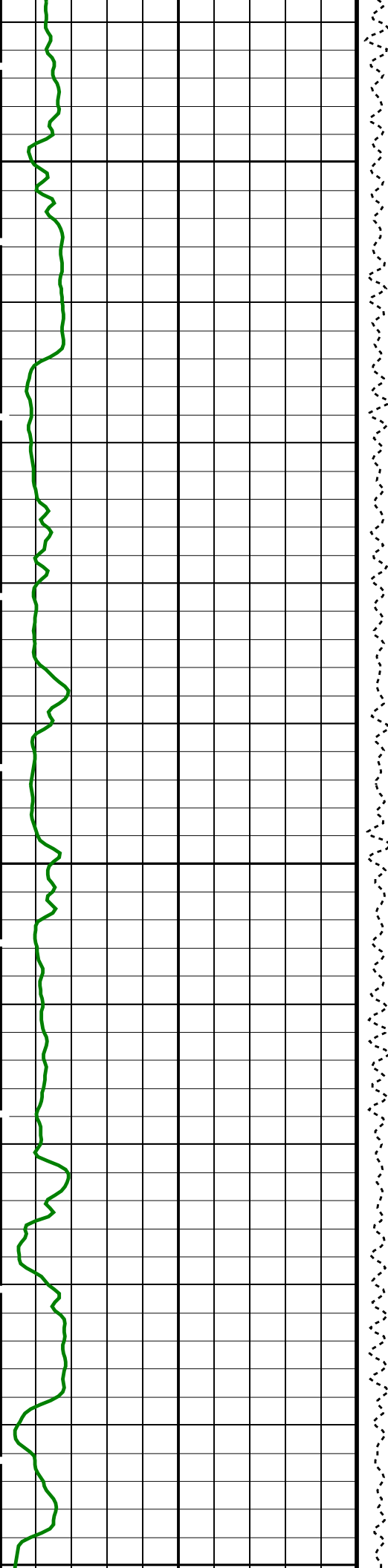




5075

5100

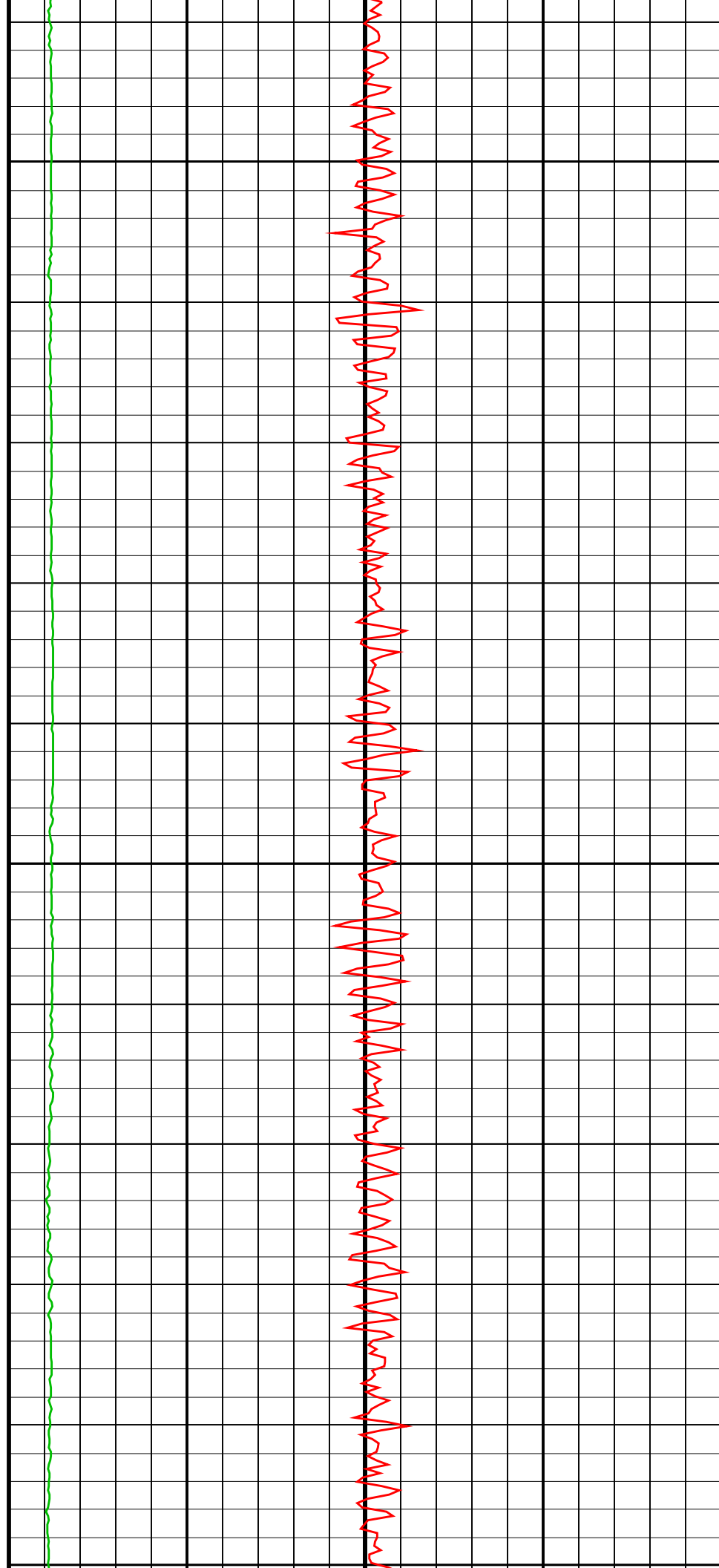


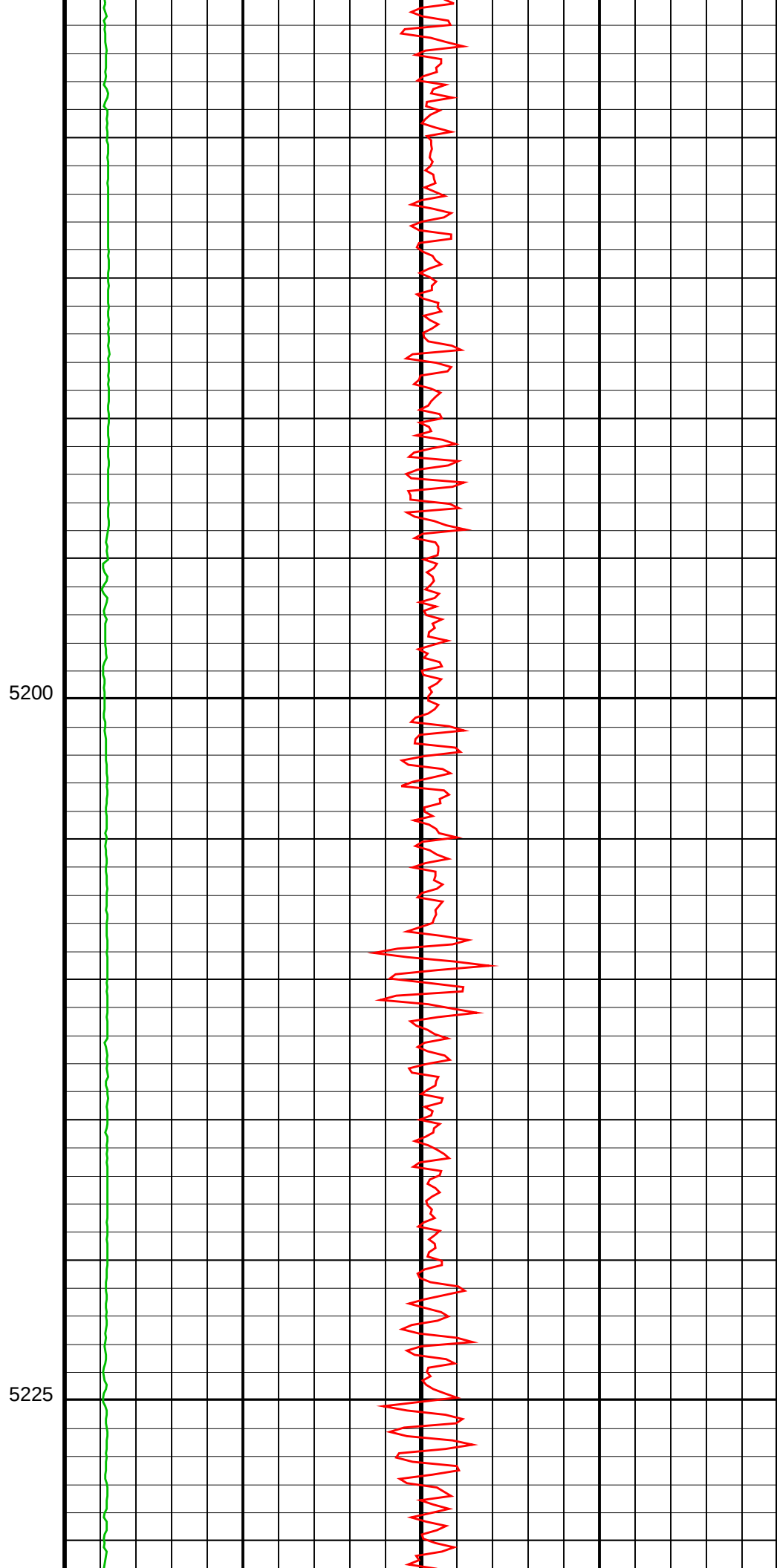
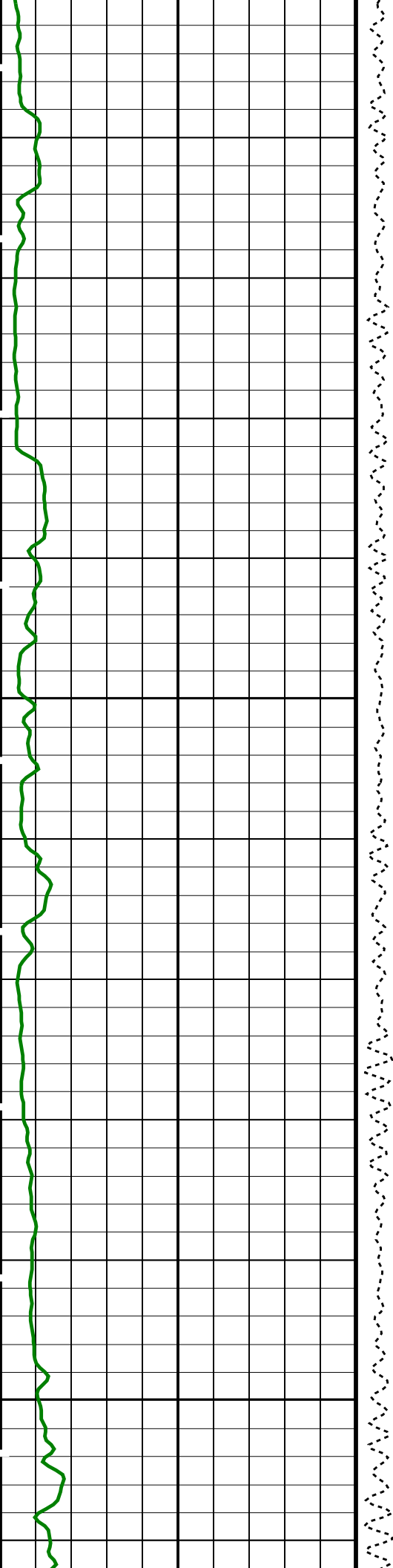


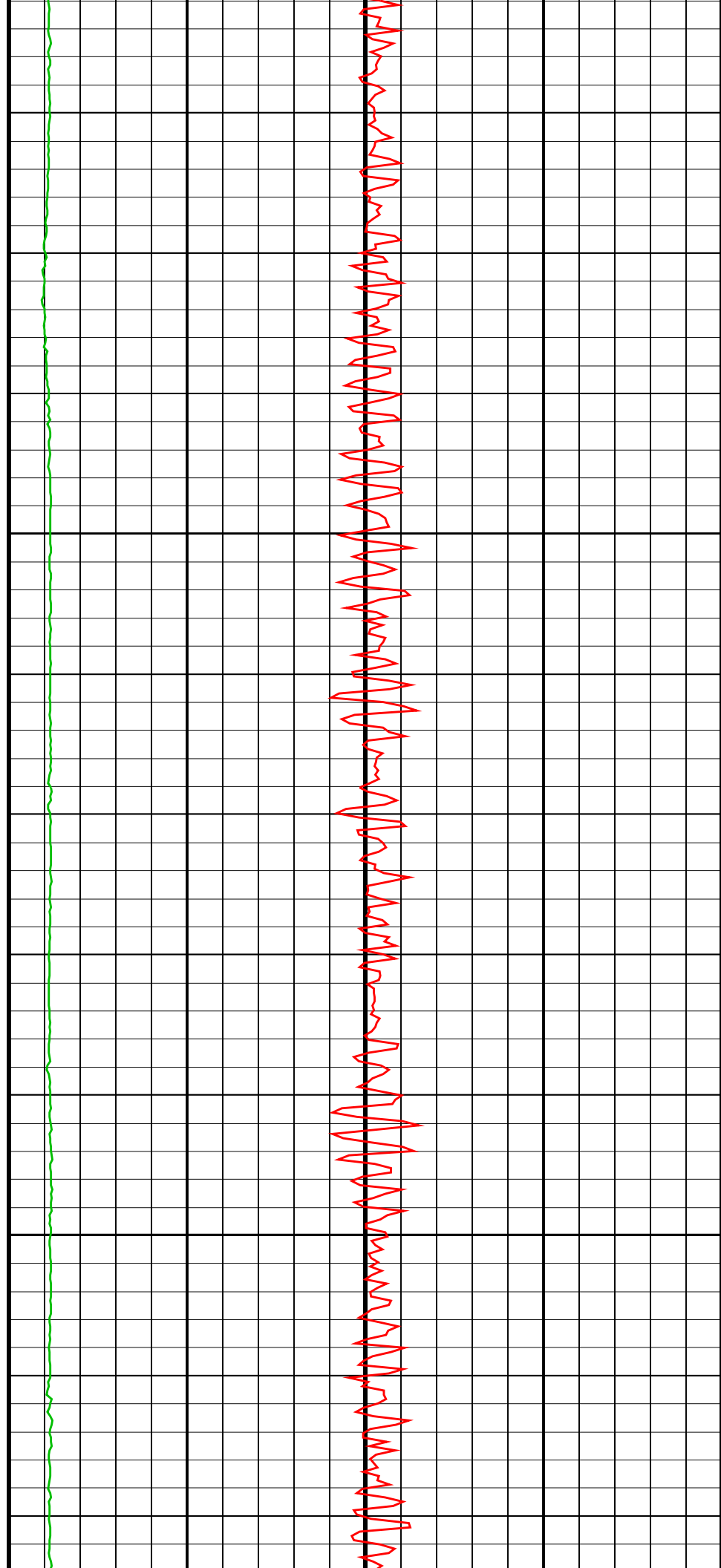
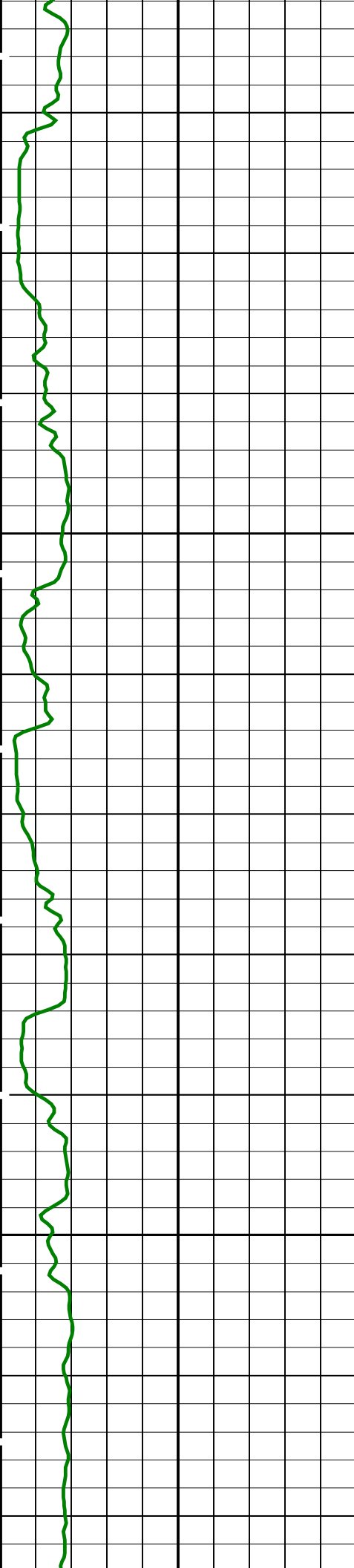
5125

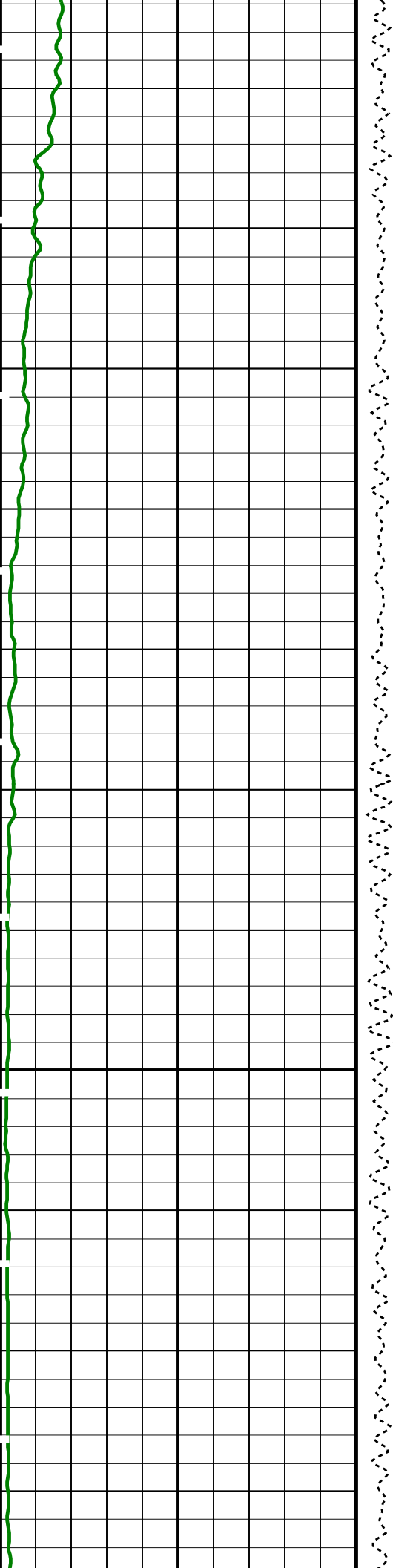
5150

5175



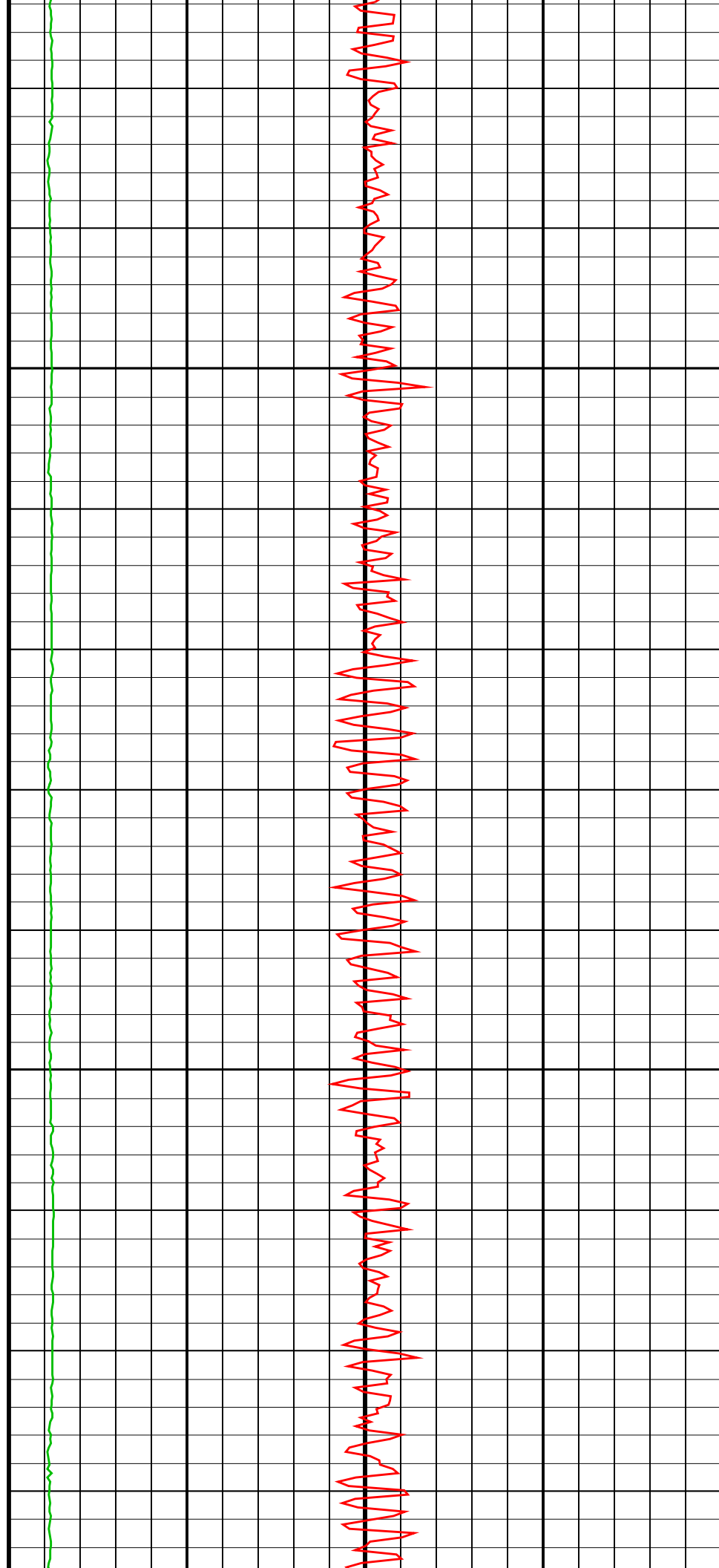


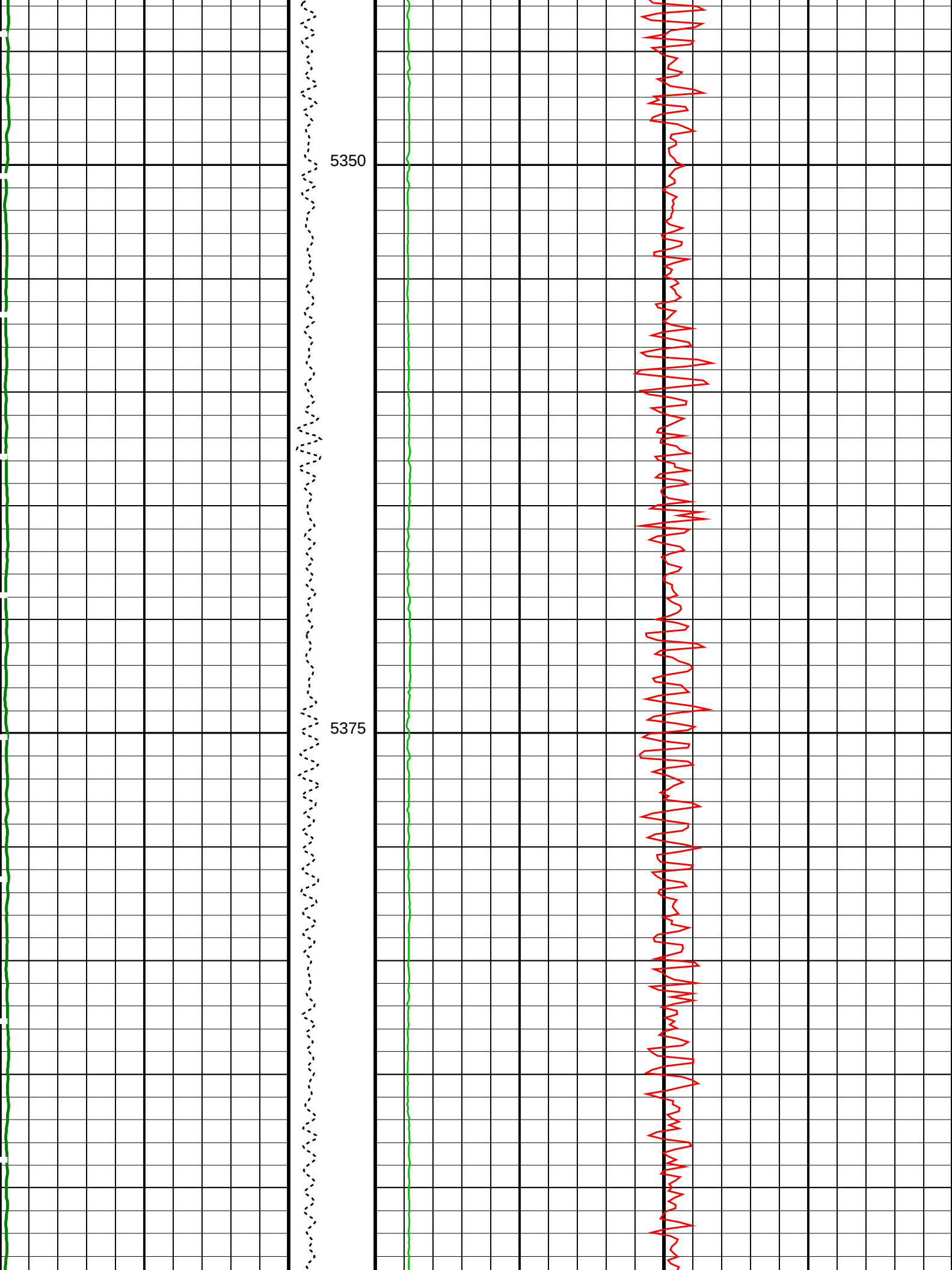


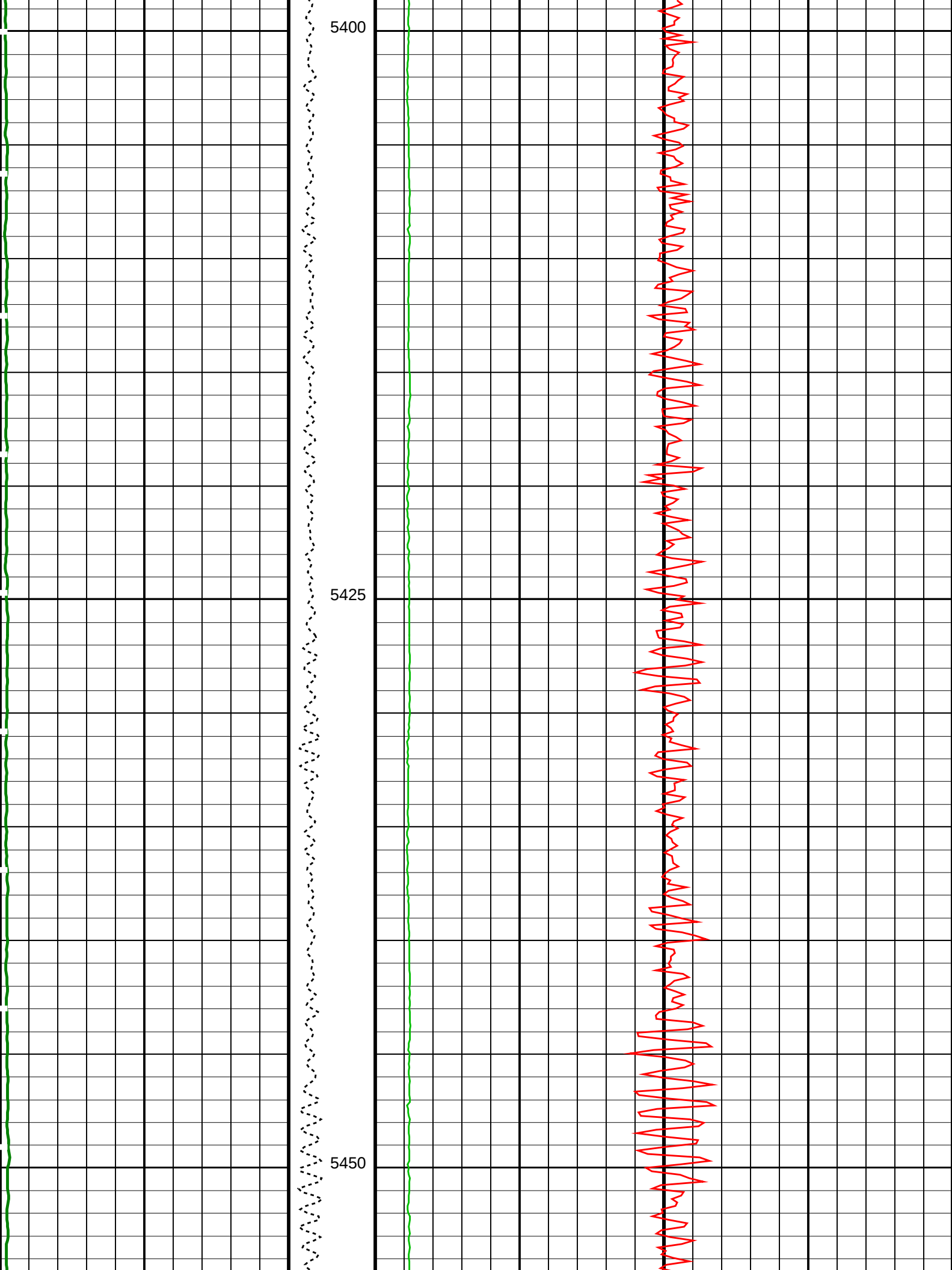


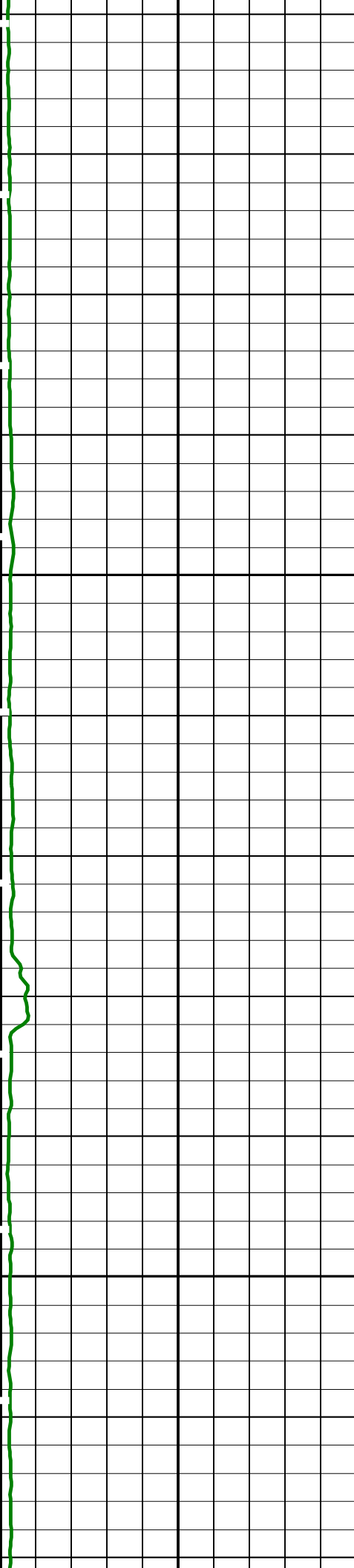
5300

5325



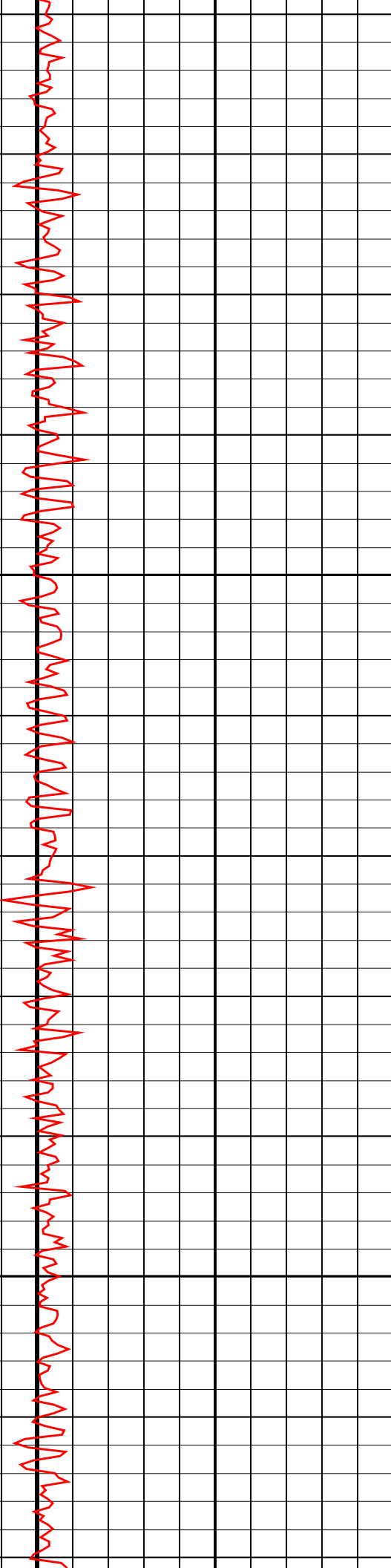
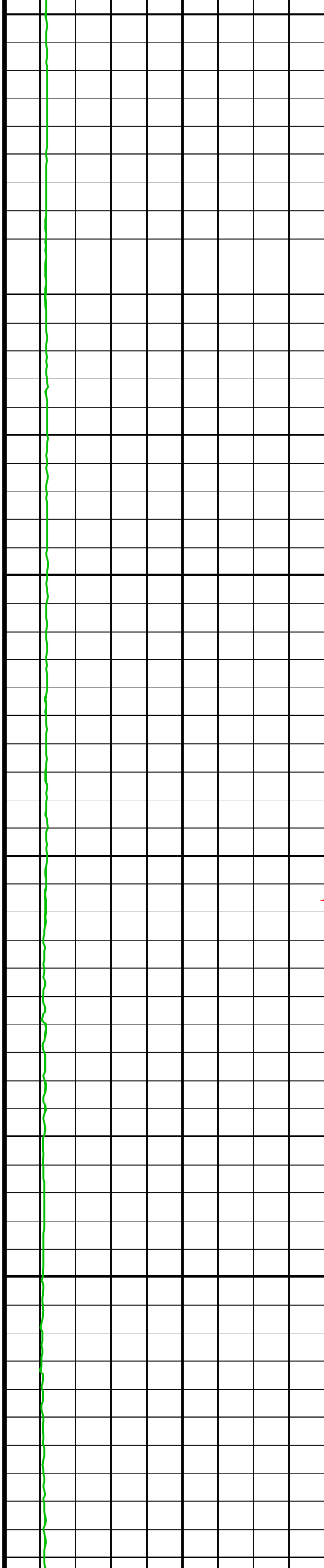


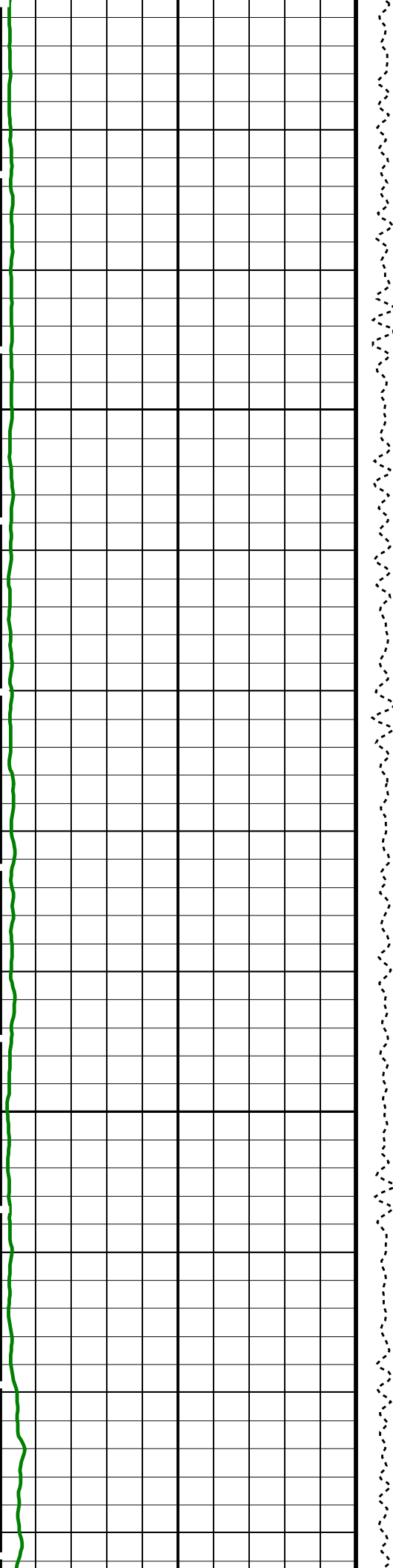




5475

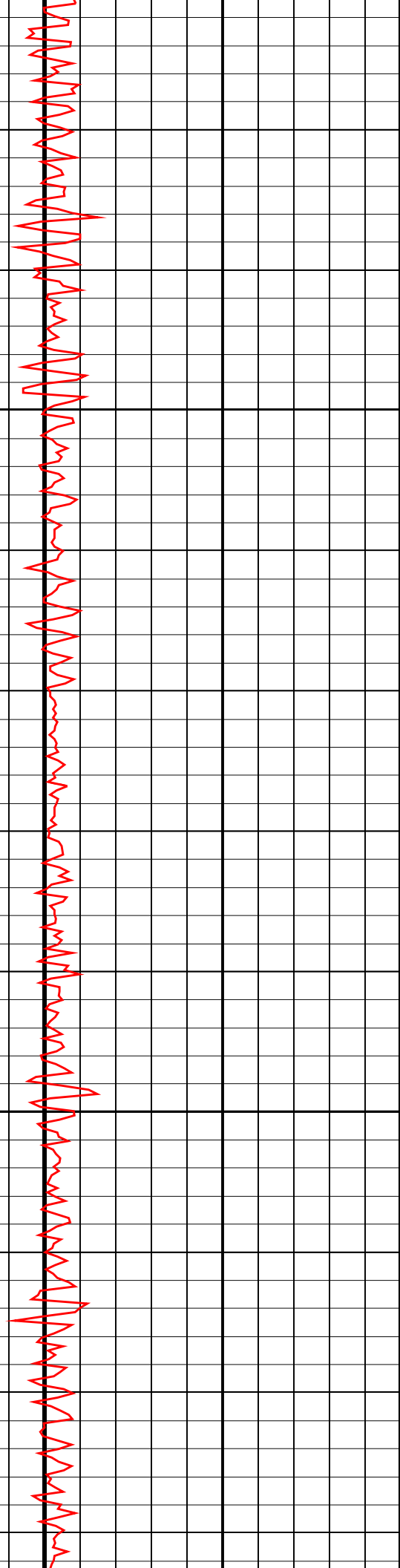
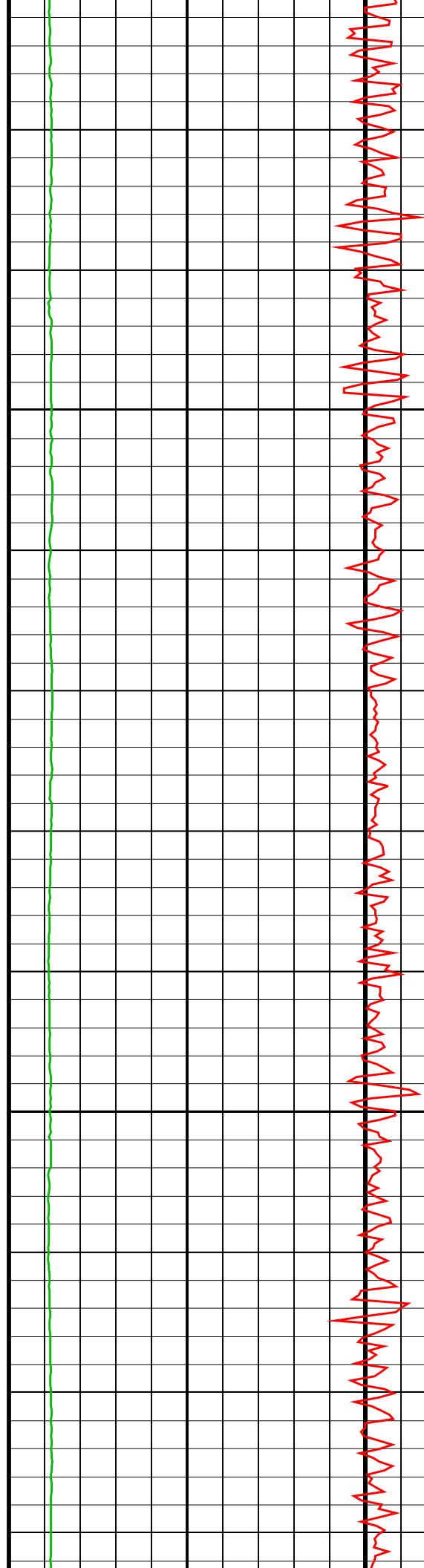
5500

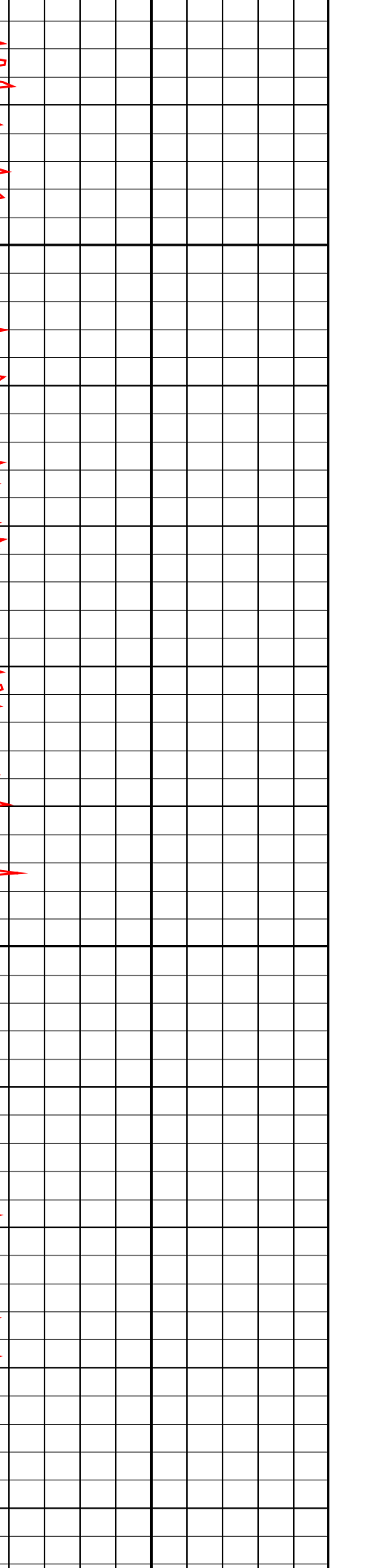
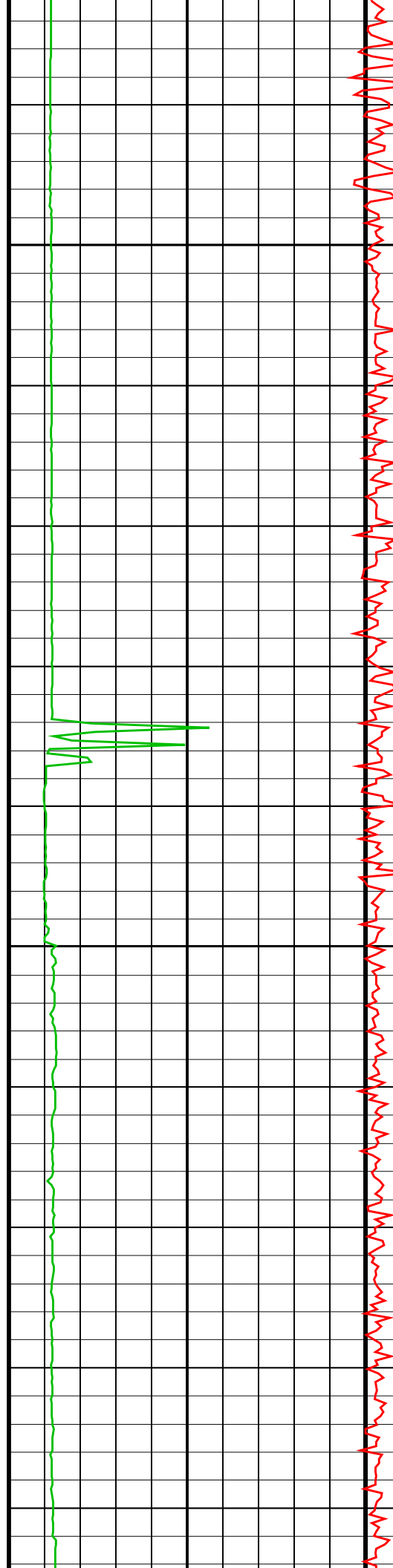
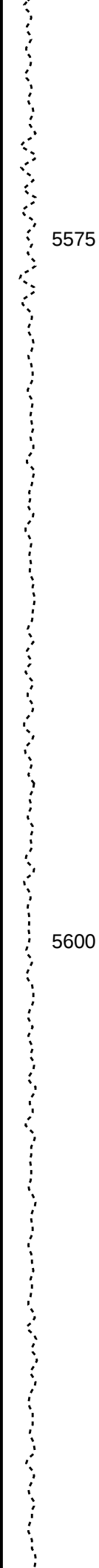
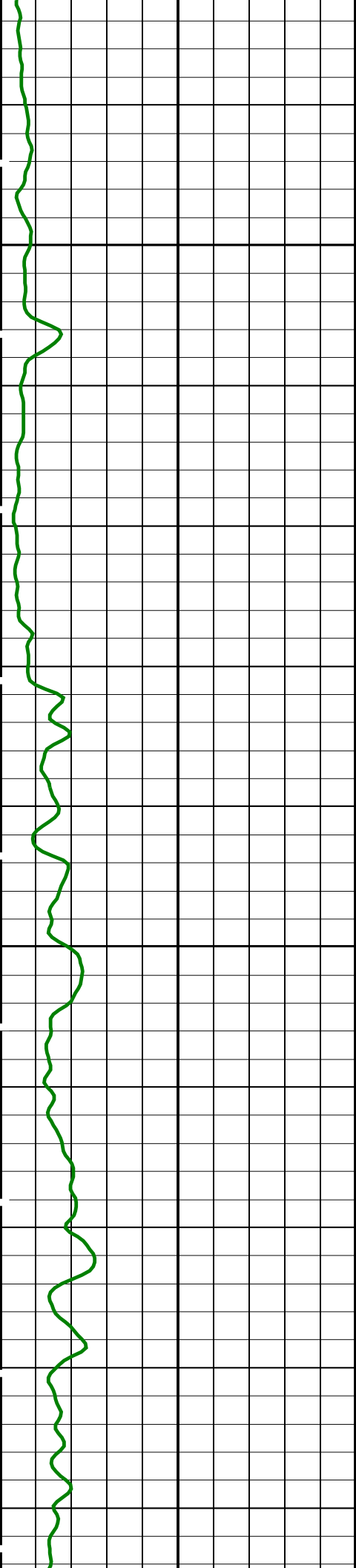


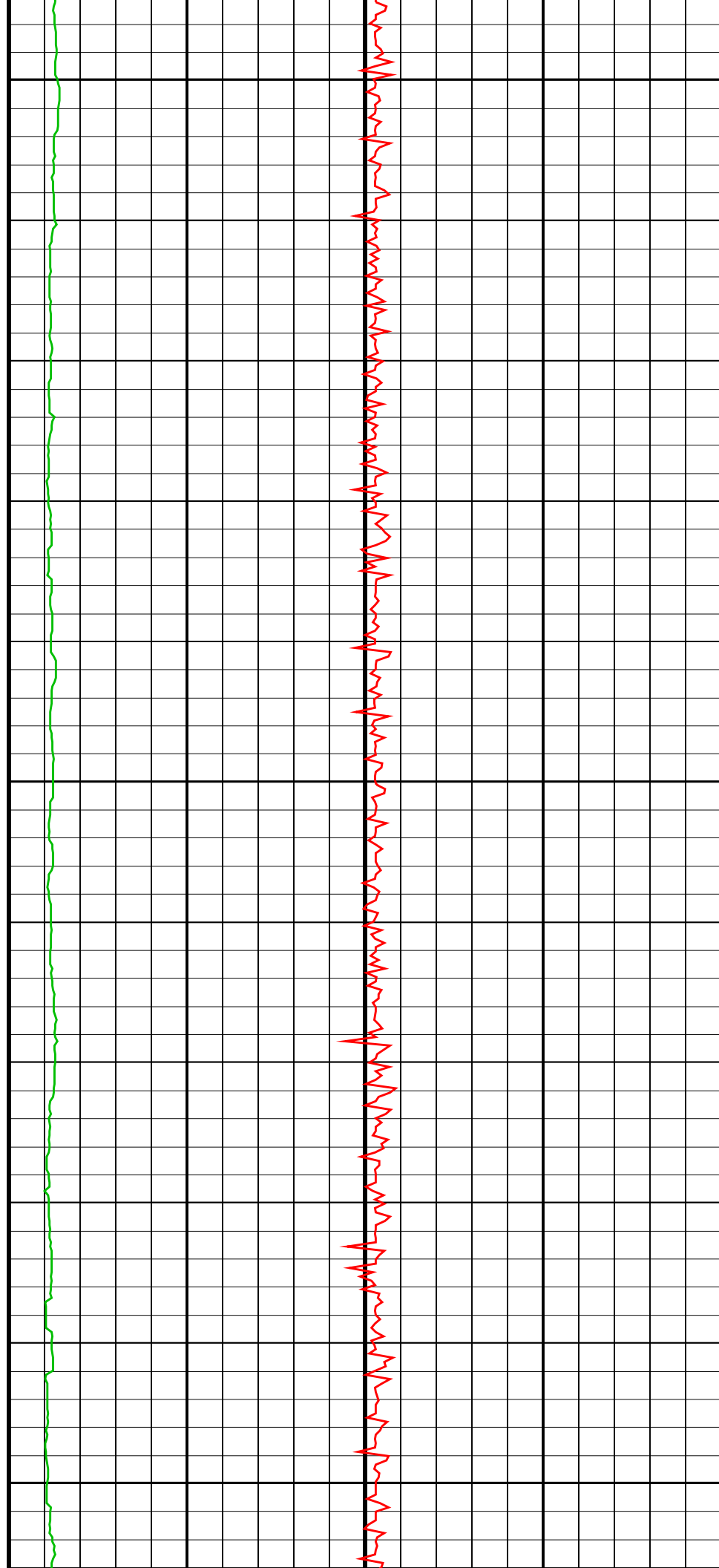
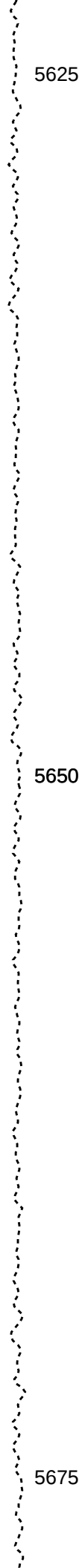
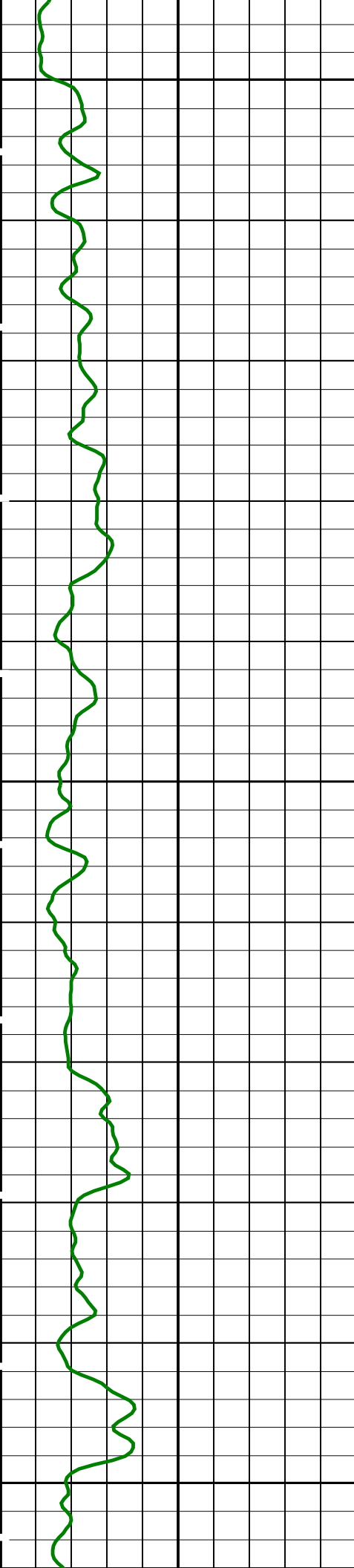


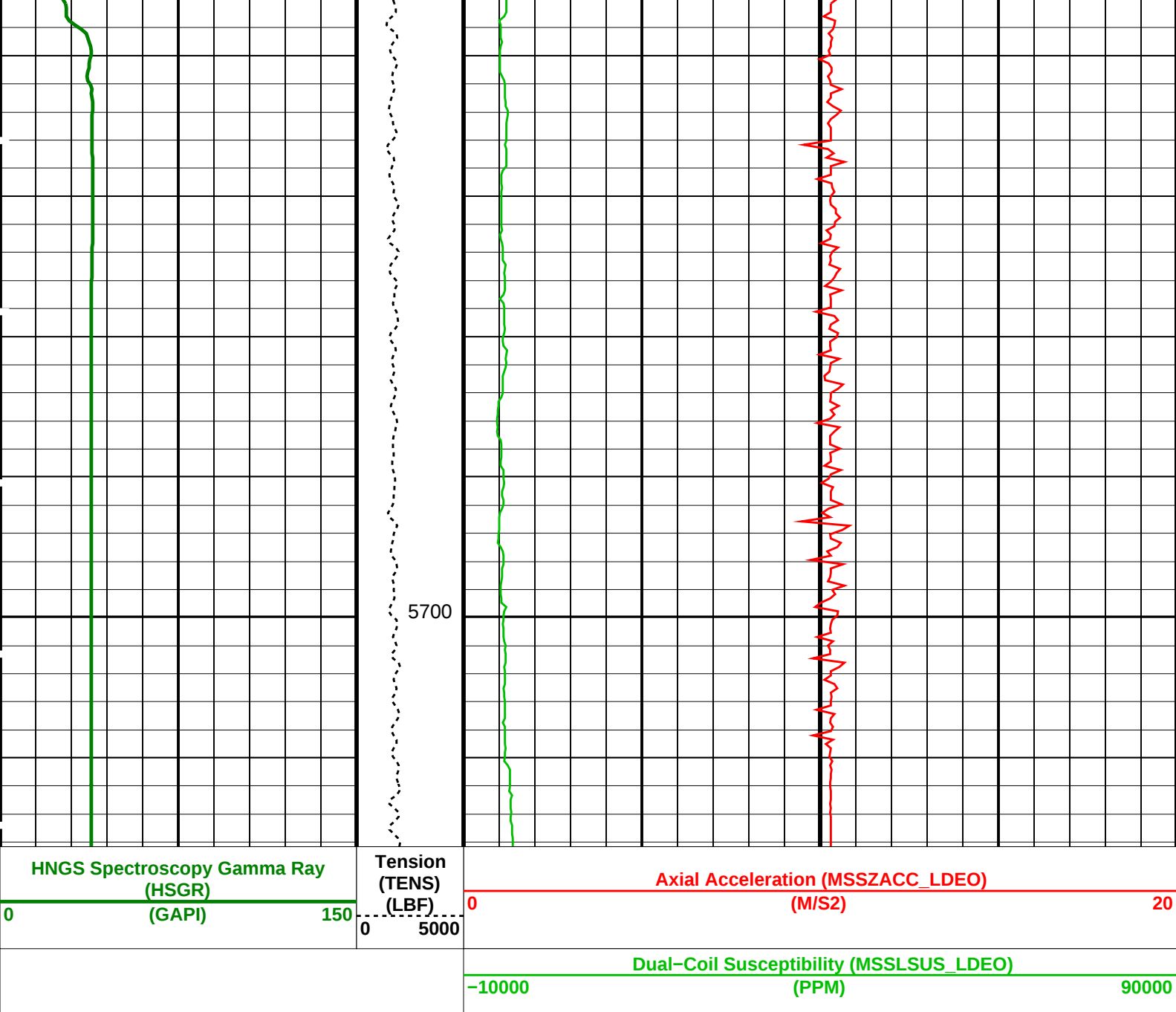
5525

5550









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
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	-0.00774036
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	1.02885	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.009	
EDTC-B: Enhanced DTS Cartridge			
BHS	Borehole Status	OPEN	
GCSE	Generalized Caliper Selection	LCAL	
System and Miscellaneous			
BS	Bit Size	9.875	IN

Format: MSS_Logging

Vertical Scale: 1:200

Graphics File Created: 18-May-2022 00:49

OP System Version: 19C0-187			
MSS_LDEO-A	19C0-187	HRLT-B	19C0-187
HLDS	19C0-187	LDSC-B	19C0-187
HNGC-B	19C0-187	HNGS-BA	19C0-187
EDTC-B	SKK-5169-EDTCB		

Output DLIS Files				
DEFAULT	MSS_LDEO_HRLA_LDL_010LUP	FN:13	PRODUCER	18-May-2022 00:49
RTB	MSS_LDEO_HRLA_LDL_010LUP	FN:14	PRODUCER	18-May-2022 00:49



Calibrations

MESIS Field Log

Calibration and Check Summary							
Measurement	Nominal	Master	Before	After	Change	Limit	Units
High Resolution Laterolog Array – B Wellsite Calibration – HRLT M01							
Before: 17-May-2022 20:24 After: 18-May-2022 5:43							
HRLT M0-M1 Voltage Plus – 0	0	N/A	-318.8	-318.8	0.05240	9.681	UV
HRLT M0-M1 Voltage Plus – 1	0	N/A	-332.0	-331.9	0.07727	9.681	UV
HRLT M0-M1 Voltage Plus – 2	0	N/A	-339.1	-338.8	0.2396	9.681	UV
HRLT M0-M1 Voltage Plus – 3	0	N/A	-329.6	-329.5	0.1205	9.681	UV
HRLT M0-M1 Voltage Plus – 4	0	N/A	-320.2	-320.1	0.04327	9.681	UV
HRLT M0-M1 Voltage Plus – 5	0	N/A	-322.0	-321.8	0.1352	9.681	UV
HRLT M0-M1 Voltage Plus – 6	0	N/A	321.1	320.7	-0.3560	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: 17-May-2022 20:24 After: 18-May-2022 5:43							
HRLT M1-M2 Voltage Plus – 0	0	N/A	1742	1741	-0.5542	53.42	UV
HRLT M1-M2 Voltage Plus – 1	0	N/A	1821	1820	-1.044	53.42	UV
HRLT M1-M2 Voltage Plus – 2	0	N/A	1852	1850	-2.001	53.42	UV
HRLT M1-M2 Voltage Plus – 3	0	N/A	1799	1798	-0.9390	53.42	UV
HRLT M1-M2 Voltage Plus – 4	0	N/A	1747	1746	-0.9803	53.42	UV
HRLT M1-M2 Voltage Plus – 5	0	N/A	1757	1756	-1.109	53.42	UV
HRLT M1-M2 Voltage Plus – 6	0	N/A	-1769	-1767	2.045	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: 17-May-2022 20:24 After: 18-May-2022 5:43							
HRLT M2-M3 Voltage Plus – 0	0	N/A	1734	1733	-0.9395	53.42	UV
HRLT M2-M3 Voltage Plus – 1	0	N/A	1824	1822	-1.677	53.42	UV
HRLT M2-M3 Voltage Plus – 2	0	N/A	1857	1854	-2.517	53.42	UV
HRLT M2-M3 Voltage Plus – 3	0	N/A	1807	1805	-1.878	53.42	UV
HRLT M2-M3 Voltage Plus – 4	0	N/A	1749	1747	-1.740	53.42	UV
HRLT M2-M3 Voltage Plus – 5	0	N/A	1760	1758	-1.990	53.42	UV

HRLT M2-M3 Voltage Plus - 5	0	N/A	1700	1758	-1.990	33.42	UV
HRLT M2-M3 Voltage Plus - 6	0	N/A	-1761	-1758	2.883	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: 17-May-2022 20:24 After: 18-May-2022 5:43

HRLT A3-A4 Voltage Plus - 0	0	N/A	68700	68690	-11.29	2100	UV
HRLT A3-A4 Voltage Plus - 1	0	N/A	72070	72070	-4.578	2100	UV
HRLT A3-A4 Voltage Plus - 2	0	N/A	73690	73620	-75.59	2100	UV
HRLT A3-A4 Voltage Plus - 3	0	N/A	71950	71950	0	2100	UV
HRLT A3-A4 Voltage Plus - 4	0	N/A	69600	69590	-9.359	2100	UV
HRLT A3-A4 Voltage Plus - 5	0	N/A	70060	70050	-11.00	2100	UV
HRLT A3-A4 Voltage Plus - 6	0	N/A	-68590	-68520	62.41	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: 17-May-2022 20:24 After: 18-May-2022 5:43

HRLT A4-A5 Voltage Plus - 0	0	N/A	68780	68760	-20.70	2100	UV
HRLT A4-A5 Voltage Plus - 1	0	N/A	72280	72270	-5.484	2100	UV
HRLT A4-A5 Voltage Plus - 2	0	N/A	73880	73800	-76.41	2100	UV
HRLT A4-A5 Voltage Plus - 3	0	N/A	72120	72090	-30.37	2100	UV
HRLT A4-A5 Voltage Plus - 4	0	N/A	69710	69690	-16.71	2100	UV
HRLT A4-A5 Voltage Plus - 5	0	N/A	70150	70140	-4.531	2100	UV
HRLT A4-A5 Voltage Plus - 6	0	N/A	-68790	-68730	62.41	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: 17-May-2022 20:24 After: 18-May-2022 5:43

HRLT A5-A6 Voltage Plus - 0	0	N/A	68630	68620	-7.523	2100	UV
HRLT A5-A6 Voltage Plus - 1	0	N/A	72140	72100	-41.14	2100	UV
HRLT A5-A6 Voltage Plus - 2	0	N/A	73710	73670	-32.86	2100	UV
HRLT A5-A6 Voltage Plus - 3	0	N/A	71960	71950	-2.281	2100	UV
HRLT A5-A6 Voltage Plus - 4	0	N/A	69570	69560	-10.69	2100	UV
HRLT A5-A6 Voltage Plus - 5	0	N/A	70030	70000	-30.42	2100	UV
HRLT A5-A6 Voltage Plus - 6	0	N/A	-68630	-68580	58.07	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: 17-May-2022 20:24 After: 18-May-2022 5:43

HRLT Torpedo-M0 Voltage - 0	0	N/A	-68130	-68150	-13.77	2100	UV
HRLT Torpedo-M0 Voltage - 1	0	N/A	-71920	-71900	18.25	2100	UV
HRLT Torpedo-M0 Voltage - 2	0	N/A	-73530	-73490	34.41	2100	UV
HRLT Torpedo-M0 Voltage - 3	0	N/A	-71870	-71870	5.789	2100	UV
HRLT Torpedo-M0 Voltage - 4	0	N/A	-69510	-69510	0.6406	2100	UV
HRLT Torpedo-M0 Voltage - 5	0	N/A	-69970	-69960	8.656	2100	UV
HRLT Torpedo-M0 Voltage - 6	0	N/A	68380	68330	-44.52	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: 17-May-2022 20:24 After: 18-May-2022 5:43

HRLT Bridle#9-M0 Voltage - 0	0	N/A	-68180	-68190	-5.992	2100	UV
HRLT Bridle#9-M0 Voltage - 1	0	N/A	-72020	-71980	35.64	2100	UV
HRLT Bridle#9-M0 Voltage - 2	0	N/A	-73620	-73590	34.41	2100	UV
HRLT Bridle#9-M0 Voltage - 3	0	N/A	-71950	-71940	7.953	2100	UV
HRLT Bridle#9-M0 Voltage - 4	0	N/A	-69570	-69550	15.32	2100	UV
HRLT Bridle#9-M0 Voltage - 5	0	N/A	-70010	-69990	20.40	2100	UV
HRLT Bridle#9-M0 Voltage - 6	0	N/A	68480	68420	-60.20	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: 17-May-2022 20:24 After: 18-May-2022 5:43

HRLT Source Current Plus - 0	0	N/A	284.4	284.5	0.05249	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: 17-May-2022 20:24 After: 18-May-2022 5:43

HRLT Vertical Voltage PI - 0	0	N/A	-320.4	-320.8	-0.3470	9.681	UV
HRLT Vertical Voltage PI - 1	0	N/A	-326.7	-326.9	-0.2309	9.681	UV
HRLT Vertical Voltage PI - 2	0	N/A	-332.4	-332.5	-0.1342	9.681	UV
HRLT Vertical Voltage PI - 3	0	N/A	-321.2	-321.5	-0.3262	9.681	UV
HRLT Vertical Voltage PI - 4	0	N/A	-309.1	-309.4	-0.2991	9.681	UV
HRLT Vertical Voltage PI - 5	0	N/A	-325.7	-326.0	-0.2634	9.681	UV
HRLT Vertical Voltage PI - 6	0	N/A	328.6	328.7	0.05917	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: 7-Apr-2022 22:41 Before: 17-May-2022 20:27 After: 18-May-2022 5:46							
SS Cs Resolution Bkg	9.000	8.010	8.142	7.944	-0.1978	1.800	%
LS Cs Resolution Bkg	9.000	7.678	7.832	7.784	-0.04757	1.800	%
LSW1 Background	100.0	58.91	58.13	58.91	0.7723	3.000	CPS
LSW2 Background	100.0	53.03	53.69	53.53	-0.1544	3.000	CPS
LSW3 Background	200.0	117.9	118.7	120.4	1.642	6.000	CPS
LSW4 Background	250.0	142.0	143.2	143.0	-0.2258	7.500	CPS
LSW5 Background	600.0	328.3	327.0	326.6	-0.3821	18.00	CPS
SSW1 Background	100.0	66.11	64.64	65.38	0.7430	3.000	CPS
SSW2 Background	200.0	116.3	116.0	116.0	-0.02235	6.000	CPS
SSW3 Background	500.0	311.2	310.8	313.2	2.442	15.00	CPS
SSW4 Background	270.0	163.1	160.3	161.9	1.638	8.100	CPS
SSW5 Background	200.0	118.9	116.7	117.7	0.9369	6.000	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Aluminum Measurement							
Master: 8-Apr-2022 0:54							
LSW1 Aluminum	600.0	425.7	N/A	N/A	N/A	N/A	CPS
LSW2 Aluminum	900.0	625.0	N/A	N/A	N/A	N/A	CPS
LSW3 Aluminum	1100	755.3	N/A	N/A	N/A	N/A	CPS
LSW4 Aluminum	580.0	380.7	N/A	N/A	N/A	N/A	CPS
LSW5 Aluminum	570.0	351.8	N/A	N/A	N/A	N/A	CPS
SSW1 Aluminum	2800	2010	N/A	N/A	N/A	N/A	CPS
SSW2 Aluminum	8000	5500	N/A	N/A	N/A	N/A	CPS
SSW3 Aluminum	11600	7680	N/A	N/A	N/A	N/A	CPS
SSW4 Aluminum	5000	3178	N/A	N/A	N/A	N/A	CPS
SSW5 Aluminum	660.0	386.3	N/A	N/A	N/A	N/A	CPS
Hostile Litho-Density Sonde Wellsite Calibration – Lithology Measurement							
Master: 8-Apr-2022 0:49							
LSW1 Iron	400.0	296.1	N/A	N/A	N/A	N/A	CPS
LSW2 Iron	730.0	510.2	N/A	N/A	N/A	N/A	CPS
LSW3 Iron	1000	668.0	N/A	N/A	N/A	N/A	CPS
LSW4 Iron	520.0	344.0	N/A	N/A	N/A	N/A	CPS
LSW5 Iron	470.0	322.1	N/A	N/A	N/A	N/A	CPS
SSW1 Iron	2100	1478	N/A	N/A	N/A	N/A	CPS
SSW2 Iron	6800	4607	N/A	N/A	N/A	N/A	CPS
SSW3 Iron	10800	7034	N/A	N/A	N/A	N/A	CPS
SSW4 Iron	4600	2907	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: 8-Apr-2022 1:48							
HLDS Caliper Small Ring	12.00	N/A	14.85	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	15.19	N/A	18.31	N/A	N/A	N/A	IN
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 1 Check							
Master: Calibration out of date 2-May-2021 11:41 Before: 17-May-2022 20:28 After: 18-May-2022 5:47							
Na 511 Peak Loc	40.00	38.51	39.57	39.74	0.1663	1.000	
Na 511 Peak Res	15.50	16.08	14.57	16.71	2.145	2.000	%
High Voltage	1150	1210	1200	1202	2.496	N/A	V
Na 1785 Peak Loc	142.6	140.8	142.2	143.2	1.012	7.000	
Na 1785 Peak Res	8.500	9.038	8.307	10.09	1.787	2.000	%
Temperature	15.50	27.21	24.12	22.80	-1.320	N/A	DEGC
Na Count Rate	45.00	10.57	7.441	7.750	0.3085	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Detector 2 Check							
Master: Calibration out of date 2-May-2021 11:41 Before: 17-May-2022 20:28 After: 18-May-2022 5:47							
Na 511 Peak Loc	40.00	39.36	40.54	40.44	-0.09509	1.000	
Na 511 Peak Res	15.50	16.98	16.23	14.90	-1.322	2.000	%
High Voltage	1150	1089	1083	1086	3.164	N/A	V
Na 1785 Peak Loc	142.6	142.8	146.5	145.8	-0.7574	7.000	
Na 1785 Peak Res	8.500	9.374	9.171	9.364	0.1928	2.000	%
Temperature	15.50	26.50	23.36	22.86	-0.5040	N/A	DEGC
Na Count Rate	45.00	10.57	7.548	7.756	0.2082	8.000	CPS
Hostile Natural Gamma Ray Sonde Wellsite Calibration – Ratio Of Detector 1 To Detector 2							
Master: Calibration out of date 2-May-2021 11:41 Before: 17-May-2022 20:28 After: 18-May-2022 5:47							
Coincidence Count Rate Ratio	1.000	0.9991	0.9775	0.9957	0.01823	0.05000	
Enhanced DTS Cartridge Wellsite Calibration – EDTC Accelerometer Calibration							
Before: 17-May-2022 20:29							
EDTC Z-Axis Acceleration	9.810	N/A	9.750	N/A	N/A	N/A	M/S2
Enhanced DTS Cartridge Wellsite Calibration – Detector Calibration							
Before: 17-May-2022 20:24 After: 18-May-2022 5:44							
Gamma Ray (Jig – Bkg)	116.6	N/A	116.6	110.6	-5.944	10.60	GAPI
Gamma Ray (Calibrated)	165.0	N/A	165.0	156.6	-8.413	15.00	GAPI

High Resolution Laterolog Array – B / Equipment Identification

Primary Equipment:

HRLT Sonde

HRLS – B

768

Auxiliary Equipment:

HRLT lower Housing

HRLH – B

1869

HRLT Lower Cartridge

HRLC – B

1897

HRLT upper Housing

HRUH – B

975

HRLT Upper Cartridge

HRUC – B

964

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M01						
Idx	Phase	HRLT M0–M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-318.8	-322.7	-280.7	-379.7
	After		-318.8			
1	Before		-332.0	-322.7	-280.7	-379.7
	After		-331.9			
2	Before		-339.1	-322.7	-280.7	-379.7
	After		-338.8			
3	Before		-329.6	-322.7	-280.7	-379.7
	After		-329.5			
4	Before		-320.2	-322.7	-280.7	-379.7
	After		-320.1			
5	Before		-322.0	-322.7	-280.7	-379.7
	After		-321.8			
6	Before		321.1	322.7	379.7	280.7
	After		320.7			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
(Minimum) (Nominal) (Maximum)						
Before: 17–May–2022 20:24						
After: 18–May–2022 5:43						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1–M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1742	1781	2095	1549
	After		1741			
1	Before		1821	1781	2095	1549
	After		1820			
2	Before		1852	1781	2095	1549
	After		1850			
3	Before		1799	1781	2095	1549
	After		1798			
4	Before		1747	1781	2095	1549
	After		1746			
5	Before		1757	1781	2095	1549
	After		1756			
6	Before		-1769	-1781	-1549	-2095
	After		-1767			

7	Before		1781	2095	1549
	After		1781		
(Minimum) (Nominal) (Maximum)					
Before: 17-May-2022 20:24					
After: 18-May-2022 5:43					

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2-M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1734	1781	2095	1549
	After		1733			
1	Before		1824	1781	2095	1549
	After		1822			
2	Before		1857	1781	2095	1549
	After		1854			
3	Before		1807	1781	2095	1549
	After		1805			
4	Before		1749	1781	2095	1549
	After		1747			
5	Before		1760	1781	2095	1549
	After		1758			
6	Before		-1761	-1781	-1549	-2095
	After		-1758			
7	Before		1781	1781	2095	1549
	After		1781			
(Minimum) (Nominal) (Maximum)						
Before: 17-May-2022 20:24						
After: 18-May-2022 5:43						

High Resolution Laterolog Array – B Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3-A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		68700	70000	82360	60900
	After		68690			
1	Before		72070	70000	82360	60900
	After		72070			
2	Before		73690	70000	82360	60900
	After		73620			
3	Before		71950	70000	82360	60900
	After		71950			
4	Before		69600	70000	82360	60900
	After		69590			
5	Before		70060	70000	82360	60900
	After		70050			
6	Before		-68590	-70000	-60900	-82360
	After		-68520			
7	Before		70000	70000	82360	60900
	After		70000			

	(Minimum)	(Nominal)	(Maximum)			
Before: 17-May-2022 20:24						
After: 18-May-2022 5:43						

HRLT V45							
Idx	Phase	HRLT A4–A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		68780	70000	82360	60900	
	After		68760				
1	Before		72280	70000	82360	60900	
	After		72270				
2	Before		73880	70000	82360	60900	
	After		73800				
3	Before		72120	70000	82360	60900	
	After		72090				
4	Before		69710	70000	82360	60900	
	After		69690				
5	Before		70150	70000	82360	60900	
	After		70140				
6	Before		-68790	-70000	-60900	-82360	
	After		-68730				
7	Before		70000	70000	82360	60900	
	After		70000				

Before: 17-May-2022 20:24

After: 18-May-2022 5:43

High Resolution Laterolog Array – B Wellsite Calibration							
HRLT V56							
Idx	Phase	HRLT A5–A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum	
0	Before		68630	70000	82360	60900	
	After		68620				
1	Before		72140	70000	82360	60900	
	After		72100				
2	Before		73710	70000	82360	60900	
	After		73670				
3	Before		71960	70000	82360	60900	
	After		71950				
4	Before		69570	70000	82360	60900	
	After		69560				
5	Before		70030	70000	82360	60900	
	After		70000				
6	Before		-68630	-70000	-60900	-82360	
	After		-68580				
7	Before		70000	70000	82360	60900	
	After		70000				

Before: 17-May-2022 20:24

After: 18-May-2022 5:43

Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		284.4	284.0	334.1	247.0
	After		284.5			
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: 17-May-2022 20:24						
After: 18-May-2022 5:43						

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		-320.8			
1	Before		-326.7	-322.7	-280.7	-379.7
	After		-326.9			
2	Before		-332.4	-322.7	-280.7	-379.7
	After		-332.5			
3	Before		-321.2	-322.7	-280.7	-379.7
	After		-321.5			
4	Before		-309.1	-322.7	-280.7	-379.7
	After		-309.4			
5	Before		-325.7	-322.7	-280.7	-379.7
	After		-326.0			
6	Before		328.6	322.7	379.7	280.7
	After		328.7			
7	Before		-322.7	-322.7	-280.7	-379.7
	After		-322.7			
		(Minimum) (Nominal) (Maximum)				
Before: 17-May-2022 20:24						
After: 18-May-2022 5:43						

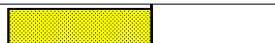
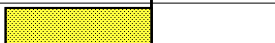
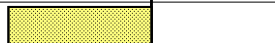
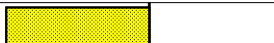
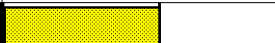
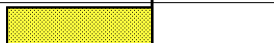
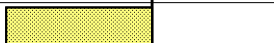
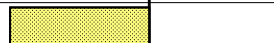
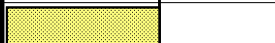
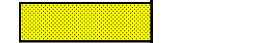
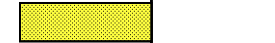
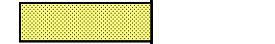
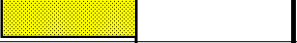
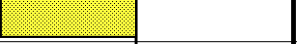
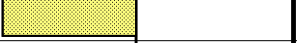
Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:
Gamma Source Radioactive

GSR – ZA

2945

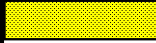
Hostile Litho Density Sonde	HLDSD – D	35
Hostile Litho Density High Voltage	HLDV – D	35
Auxiliary Equipment:		
Hostile Litho Density High Voltage Housi	HEH – H	35
Hostile Litho Density Pad	HLDP – C	35

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		8.010	Master		7.678	Master		58.91
Before		8.142	Before		7.832	Before		58.13
After		7.944	After		7.784	After		58.91
	7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)	
Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value
Master		53.03	Master		117.9	Master		142.0
Before		53.69	Before		118.7	Before		143.2
After		53.53	After		120.4	After		143.0
	50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)			140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)	
Phase	LSW5 Background CPS	Value	Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value
Master		328.3	Master		66.11	Master		116.3
Before		327.0	Before		64.64	Before		116.0
After		326.6	After		65.38	After		116.0
	330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)	
Phase	SSW3 Background CPS	Value	Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value
Master		311.2	Master		163.1	Master		118.9
Before		310.8	Before		160.3	Before		116.7
After		313.2	After		161.9	After		117.7
	280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)			150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)	
Master: 7-Apr-2022 22:41			Before: 17-May-2022 20:27			After: 18-May-2022 5:46		

Litho-Density Spectroscopy Cartridge – B / Equipment Identification		
Primary Equipment:		
LDSC Cartridge	LDSC – B	326
Auxiliary Equipment:		
LDSC Housing	LDSh – A	303

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

Hostile Natural Gamma Ray Sonde / Equipment Identification		
Primary Equipment:		
HNGS Sonde	HNGS – BA	177
Auxiliary Equipment:		
HNGS Sonde Housing	HNSH – BA	174
Gamma Source Radioactive	GSR – U	6098

Hostile Natural Gamma Ray Sonde Wellsite Calibration													
Detector 1 Check													
Phase	Na 511 Peak Loc		Value	Phase	Na 511 Peak Res %		Value	Phase	High Voltage V		Value		
Master			38.51	Master			16.08	Master			1210		
Before			39.57	Before			14.57	Before			1200		
After			39.74	After			16.71	After			1202		
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			140.8	Master			9.038	Master			27.21		
Before			142.2	Before			8.307	Before			24.12		
After			143.2	After			10.09	After			22.80		
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			10.57										
Before			7.441										
After			7.750										
10.00 (Minimum)			45.00 (Nominal)	100.0 (Maximum)									
Master: Calibration out of date 2-May-2021 11:41 Before: 17-May-2022 20:28 After: 18-May-2022 5:47													

Hostile Natural Gamma Ray Sonde Wellsite Calibration								
Detector 2 Check								
Phase	Na 511 Peak Loc	Value	Phase	Na 511 Peak Res %	Value	Phase	High Voltage V	Value
Master		39.36	Master		16.98	Master		1089
Before	MASTER-BEFORE LIMIT	40.54	Before		16.23	Before		1083
After		40.44	After		14.90	After		1086
37.50 (Minimum)		40.00 (Nominal)	43.50 (Maximum)		12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)	
Phase	Na 1785 Peak Loc	Value	Phase	Na 1785 Peak Res %	Value	Phase	Temperature DEGC	Value
Master		142.8	Master		9.374	Master		26.50
Before		146.5	Before		9.171	Before		23.36
After		145.8	After		9.364	After		22.86
135.0 (Minimum)		142.6 (Nominal)	150.3 (Maximum)		7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)	
Phase	Na Count Rate CPS	Value						
Master		10.57						
Before	EXCEEDS LIMIT	7.548						
After	EXCEEDS LIMIT	7.756						
10.00 (Minimum)		45.00 (Nominal)	100.0 (Maximum)					
Master: Calibration out of date 2-May-2021 11:41 Before: 17-May-2022 20:28 After: 18-May-2022 5:47								

Hostile Natural Gamma Ray Sonde Wellsite Calibration			
Ratio Of Detector 1 To Detector 2			
Phase	Coincidence Count Rate Ratio	Value	
Master		0.9991	
Before		0.9775	
After		0.9957	
	0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: Calibration out of date 2-May-2021 11:41			
Before: 17-May-2022 20:28			
After: 18-May-2022 5:47			

Enhanced DTS Cartridge / Equipment Identification

Primary Equipment:

EDTC Gamma Ray Detector
Enhanced DTS Cartridge

EDTG – A/B

77693

EDTC – B

8529

Auxiliary Equipment:

EDTC Housing

EDTH – B

8528

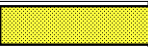
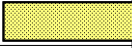
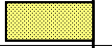
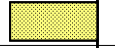
Enhanced DTS Cartridge Wellsite Calibration

EDTC Accelerometer Calibration

Phase	EDTC Z-Axis Acceleration M/S2	Value
Before		9.750
	9.610 (Minimum) 9.810 (Nominal) 10.01 (Maximum)	
Before: 17-May-2022 20:29		

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		1.585	Before		116.6	Before		165.0
After		5.255	After		110.6	After		156.6
	0 (Minimum) 30.00 (Nominal) 120.0 (Maximum)			106.0 (Minimum) 116.6 (Nominal) 127.2 (Maximum)			150.0 (Minimum) 165.0 (Nominal) 180.0 (Maximum)	
Before: 17-May-2022 20:24			After: 18-May-2022 5:44					

Company: International Ocean Discovery Program

Schlumberger

Well: Expedition 390, Site U1557D

Field: South Atlantic Transect 1

Rig: JOIDES Resolution

Country: South Africa

High Resolution Laterolog (HRLA)

Litho Density (HLDS)

Natural Gamma / MSS (HNGS)