



Equipment and Service Data							
Run No.	Tool	Serial Number	Measurement	Sensor Offset (ft)	Bit Offset (ft)	Max O.D. (in)	Min I.D. (in)
2	ATC_SU	12088420	Near Bit Inclination	5.93	6.73	7.000	4.330
2	ATC_SU	12088420	Near Bit VSS	5.93	6.73	7.000	4.330
2	ATC_MWD	14179565	Gamma (single)	2.76	12.90	7.000	3.250
2	ATC_MWD	14179565	Directional (mag)	12.27	22.41	7.000	3.250
3	ATC_SU	14306239	Near Bit VSS	5.93	6.73	7.000	4.330
3	ATC_SU	14306239	Near Bit Inclination	5.93	6.73	7.000	4.330
3	ATC_MWD	14270075	Gamma (single)	2.76	12.90	7.000	3.250
3	ATC_MWD	14270075	Directional (mag)	12.27	22.41	7.000	3.250

Service and Tool Mnemonics

Mnemonic	Name	Description
ATC_SU	ATC_SU	Auto Trak Curve Steering Unit
ATC_MWD	ATC_MWD	Auto Trak Curve MWD
ATC_LCPM	ATC_LCPM	Auto Trak Curve LCPM

Comments


1	Depth measurements obtained from a depth control system not supplied or operated by Baker Hughes. Due to lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified.
2	Baker Hughes LWD Run 1 utilized 8 inch NaviTrak service (Directional only) behind a 13 1/2 inch bit and steerable assembly from surface to 1815 feet MD (surface to 1781 feet TVD). No logging data was acquired during this run.
3	Baker Hughes LWD Runs 2 and 3 utilized 6 3/4 inch NaviGamma services (Gamma Ray and Directional) behind an 8 1/2 inch bit and rotary steerable assembly from 1815 to 19093 feet MD (1781 to 7275 feet TVD).
4	Gamma Ray Curve (GRAM) is presented 0 to 300 API per customer request.

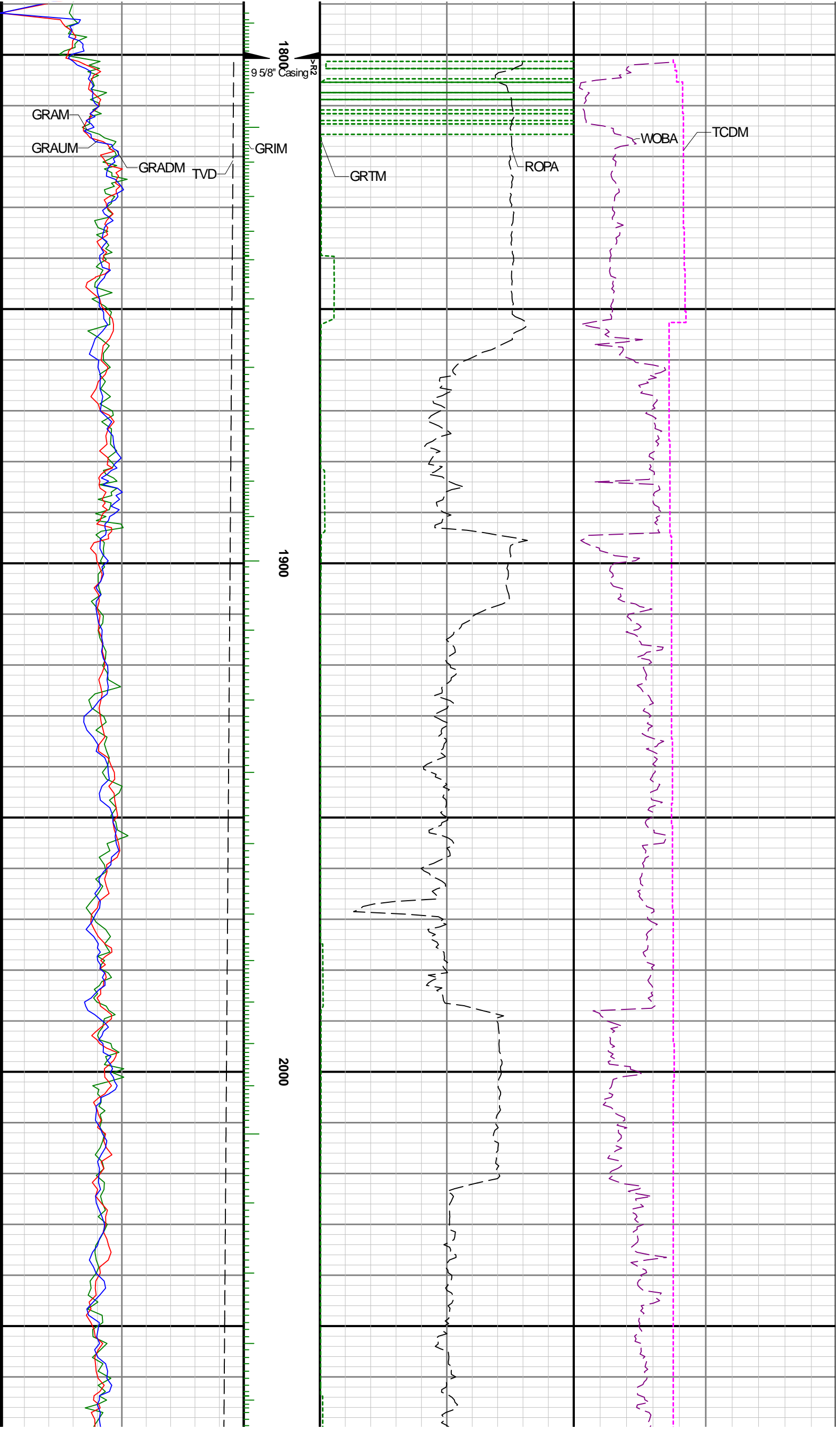
Remarks

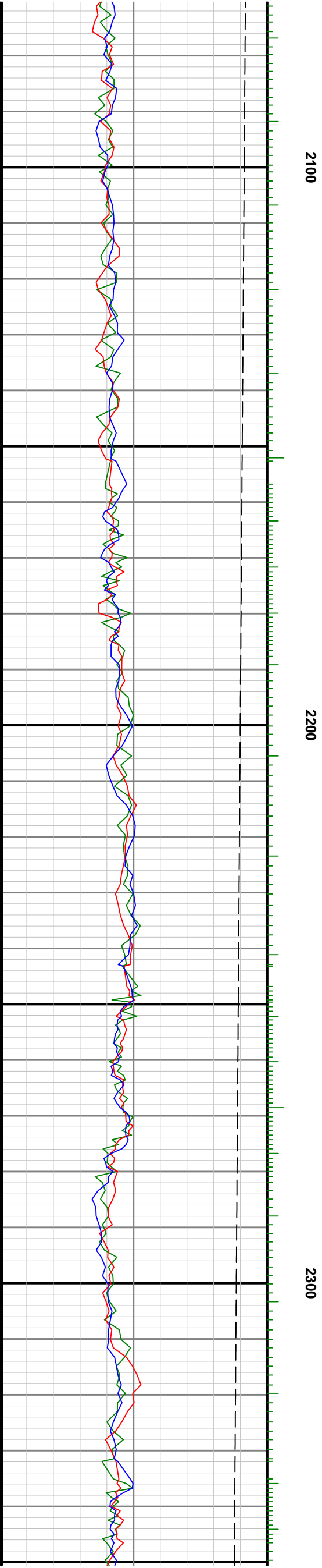
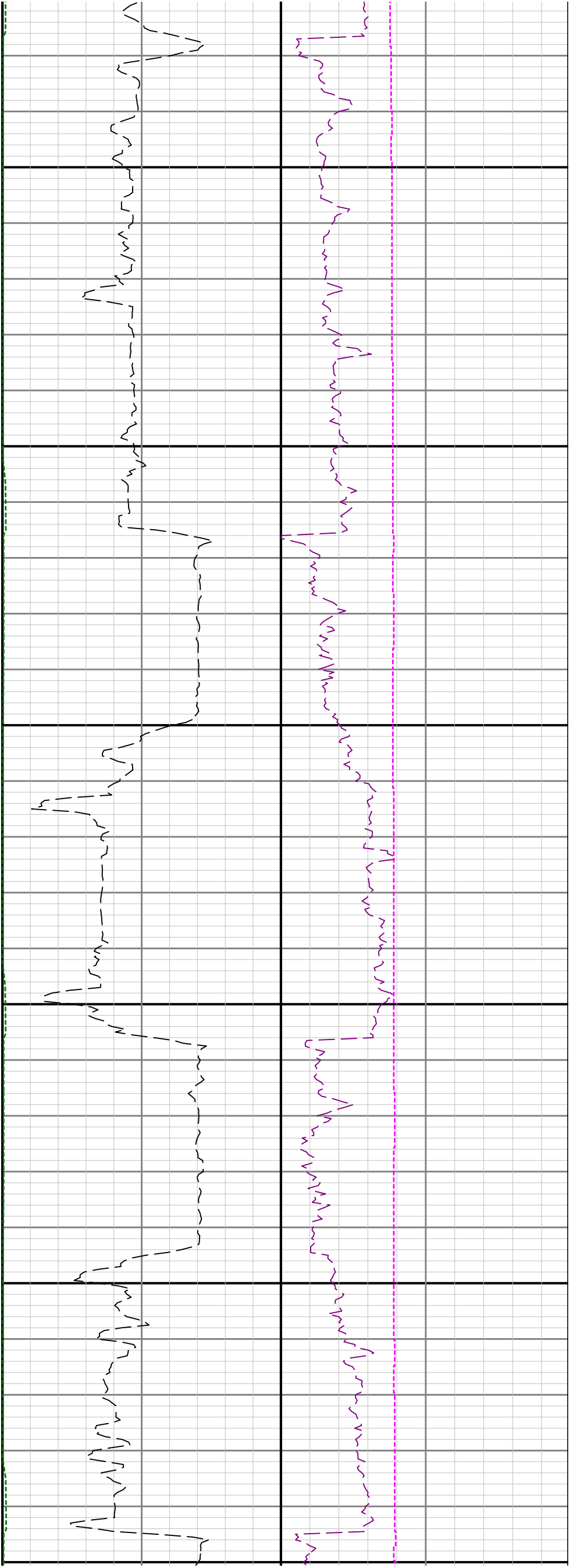
Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	12100.00	8.500	3	The interval from 12089 to 12102 feet MD (7279 feet TVD) was logged up to 25 hours after being drilled due to a trip out of the hole due to a tool failure.
2	19085.00	8.500	3	The interval from 19080 to 19093 feet MD (7275 feet TVD) was not logged due to sensor to bit offset at well TD.

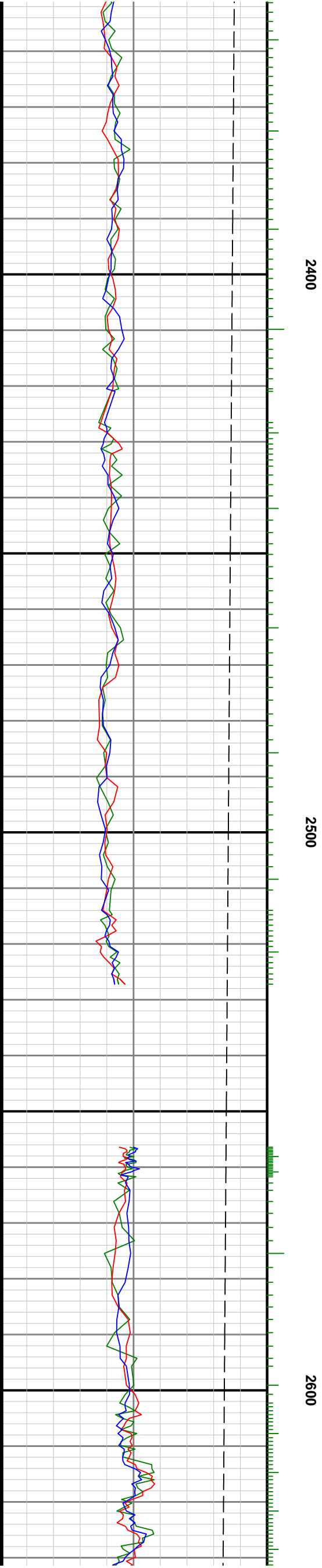
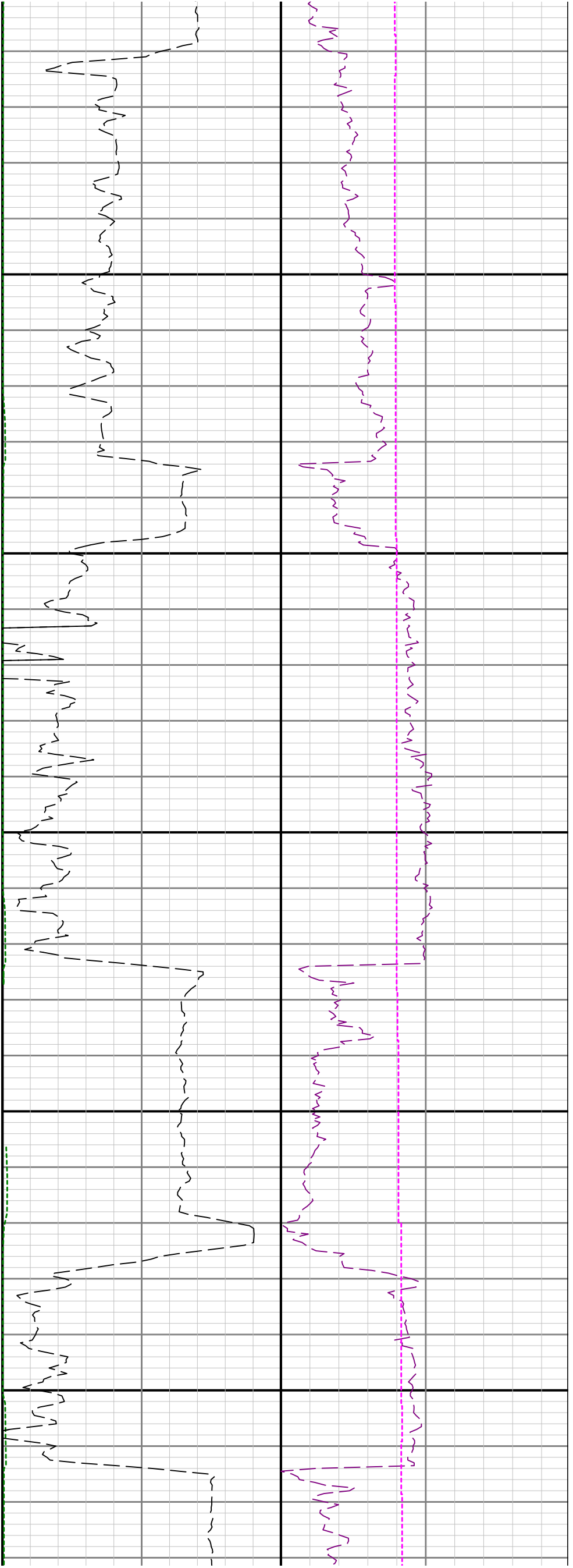
Curve Mnemonics

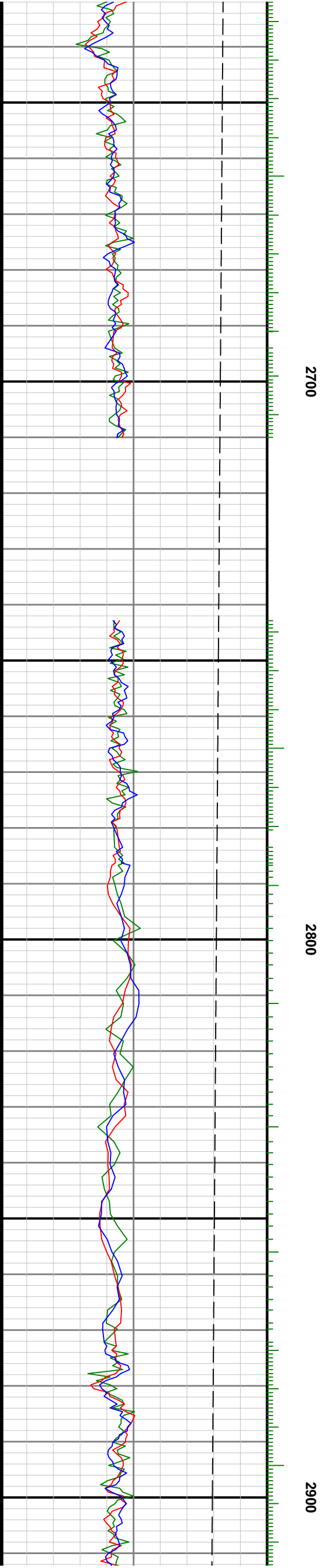
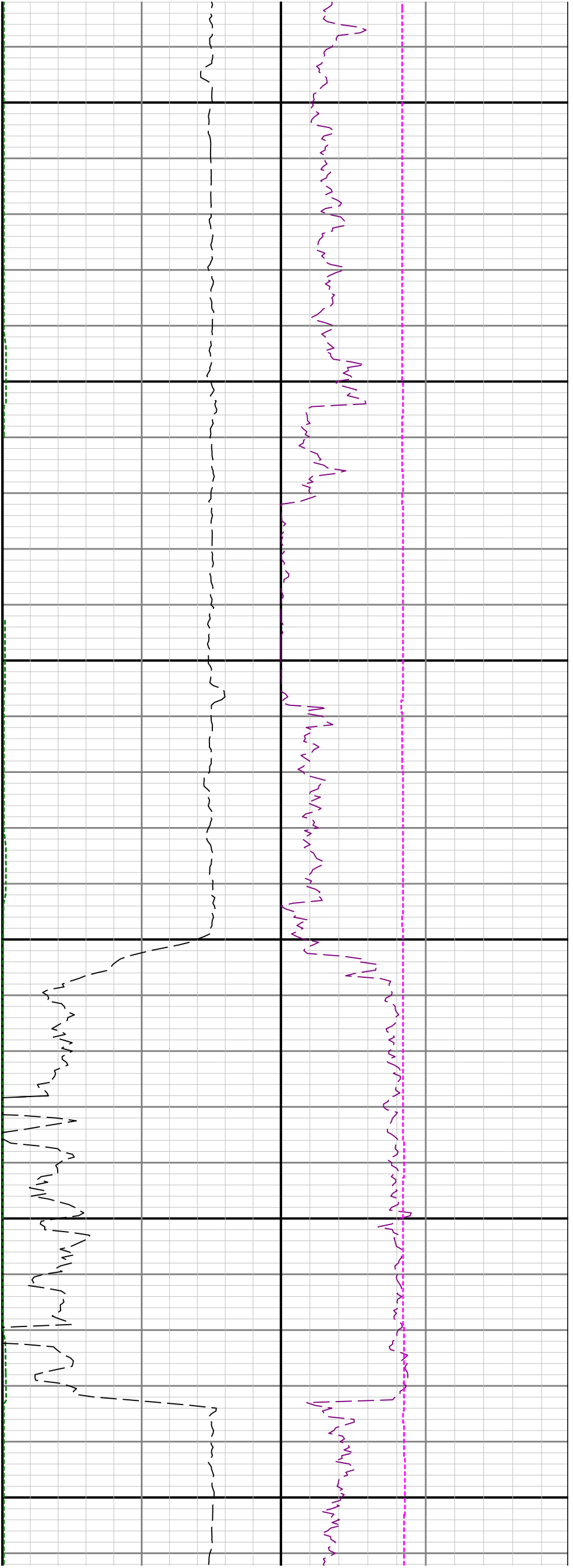
Presented Curves	Description	Units
ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
WOBA	Weight On Bit, Average 1 ft Average	klb
GRAM	OnTrak - Gamma Ray - Apparent - Memory 0.5 ft Average	API
GRIM	OnTrak - Gamma Ray - Data Point Indicator - Memory	unitless
GRTM	OnTrak - Gamma Ray - Time Since Drilled - Memory	min
GRADM	OnTrak - Gamma Ray - Apparent - Down Quadrant - Memory 0.5 ft Average	API
GRAUM	OnTrak - Gamma Ray - Apparent - Up Quadrant - Memory 0.5 ft Average	API
TCDM	Downhole Temperature	degF

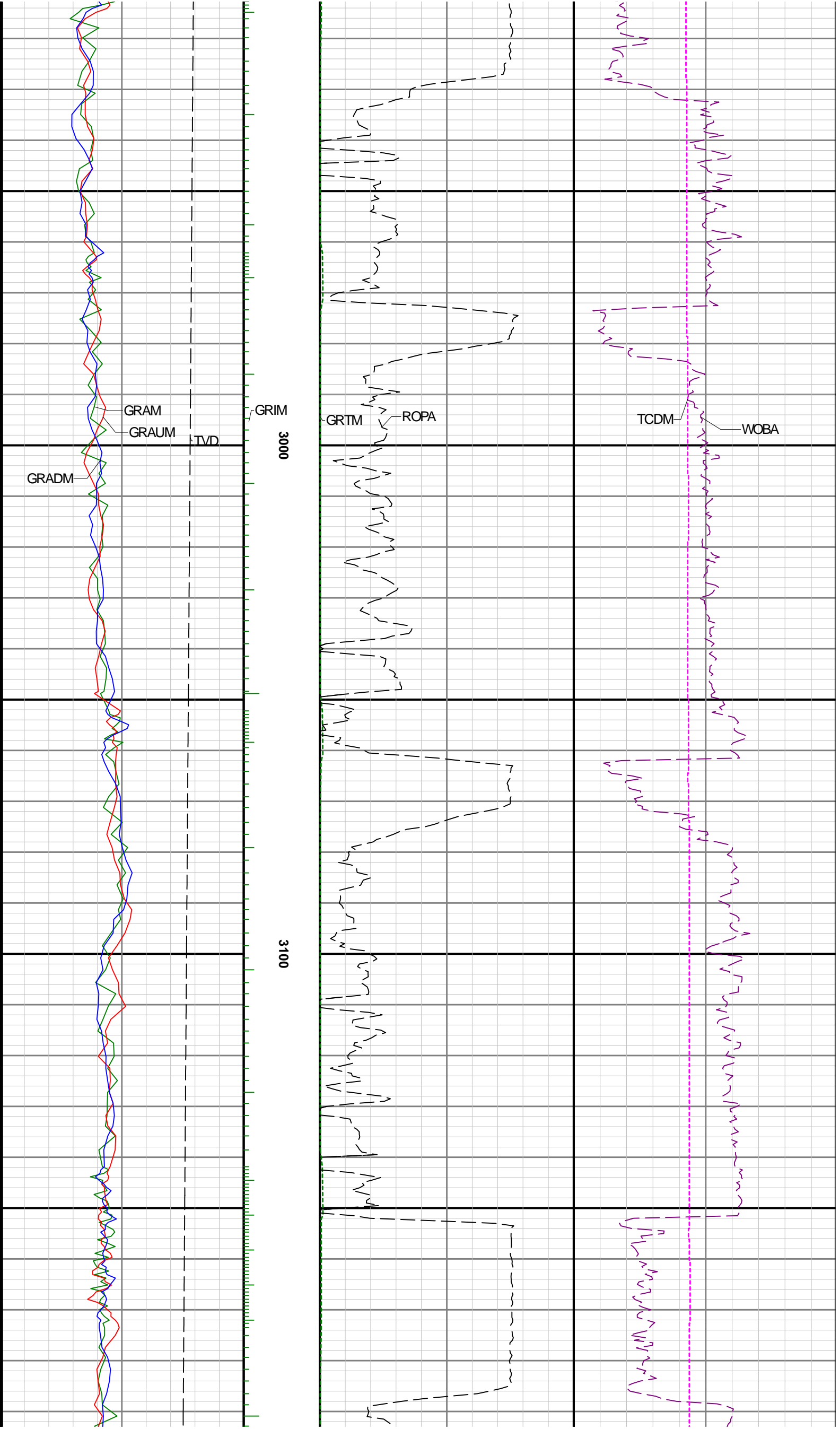
	Company	SRC Energy				
	Well	Falken 16C-9-L				
	Interval	Date From:	2017-09-11 04:08:32	Top:	1790.00	
	Created	Date To:	2017-11-23 21:06:48	Bottom:	19094.00	
		2017-11-25	18:59:35			
Gamma Ray - Apparent 0.5 ft Average GRAM		MD 1:240 feet	Gamma Time Since Drilled GRTM		Weight On Bit, Average 1 ft Average WOBA	
0	300		0	600	0	50
API			min		klb	
Azimuthal Gamma Ray - Apparent - Up Quadrant 0.5 ft Average GRAUM			Depth Averaged ROP 3 ft Average ROPA		Downhole Temperature TCDM	
0	300		1000	0	0	275
API			ft/h		degF	
Azimuthal Gamma Ray - Apparent - Down Quadrant 0.5 ft Average GRADM						
0	300					
API						
True Vertical Depth TVD						
8000	1500					
ft						

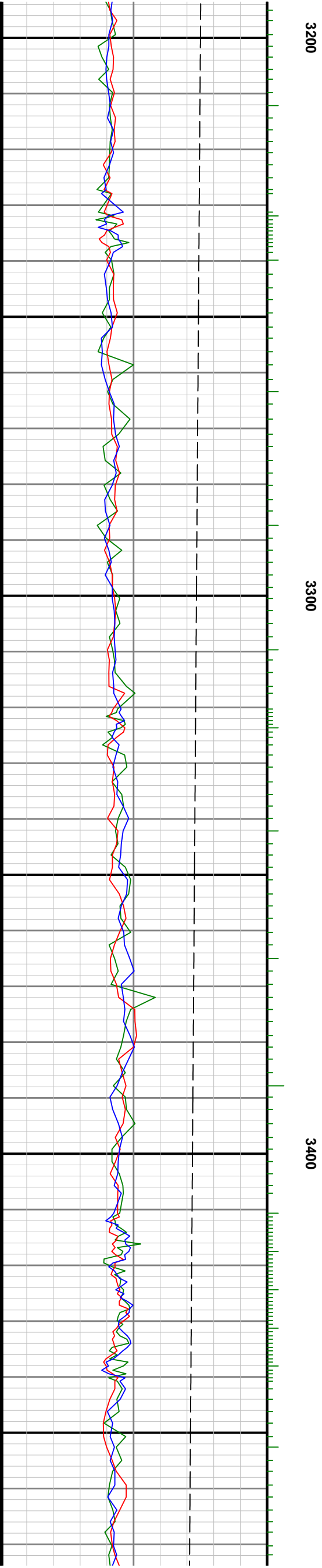
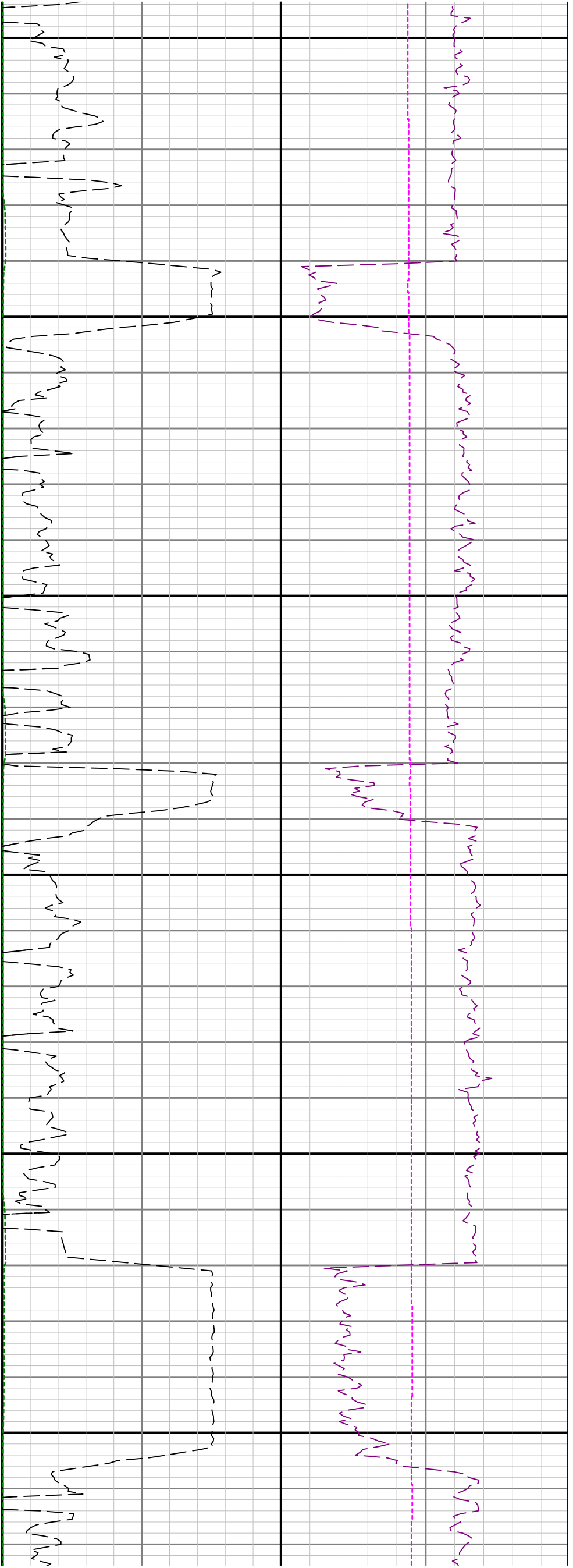




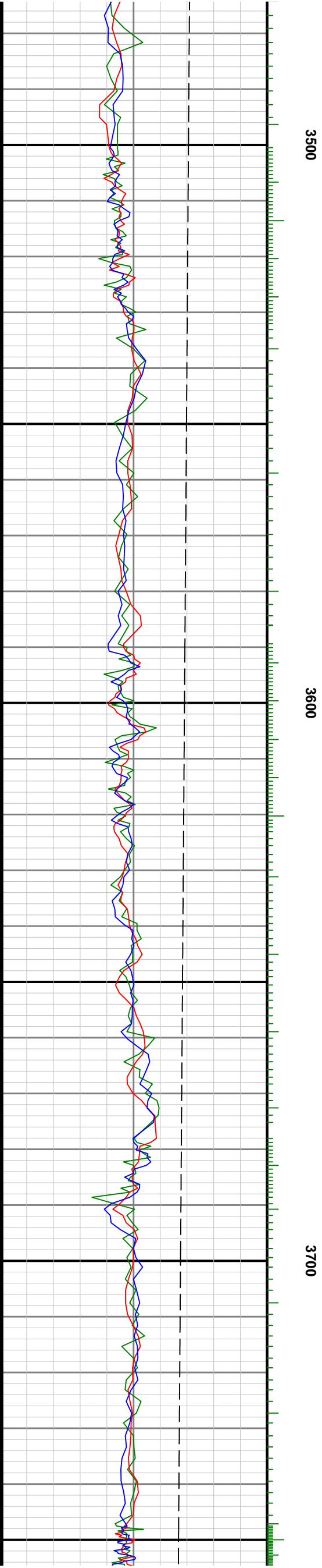
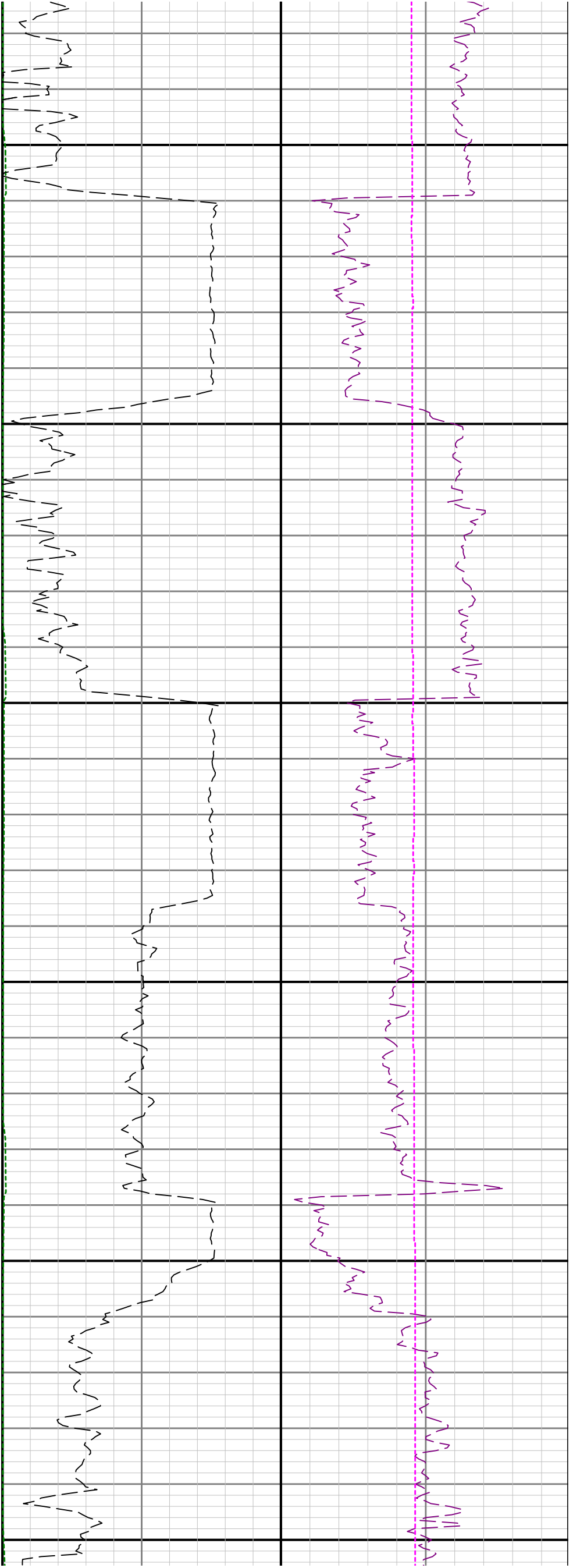


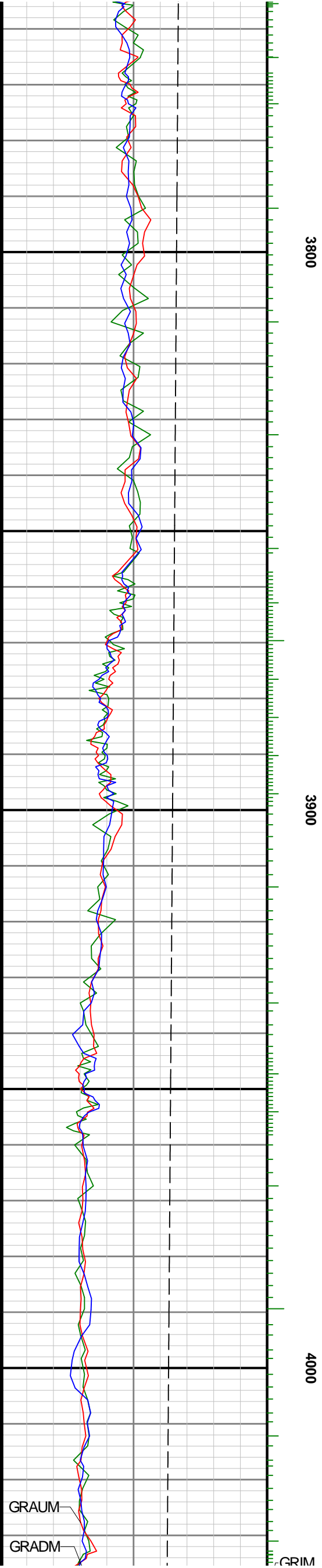
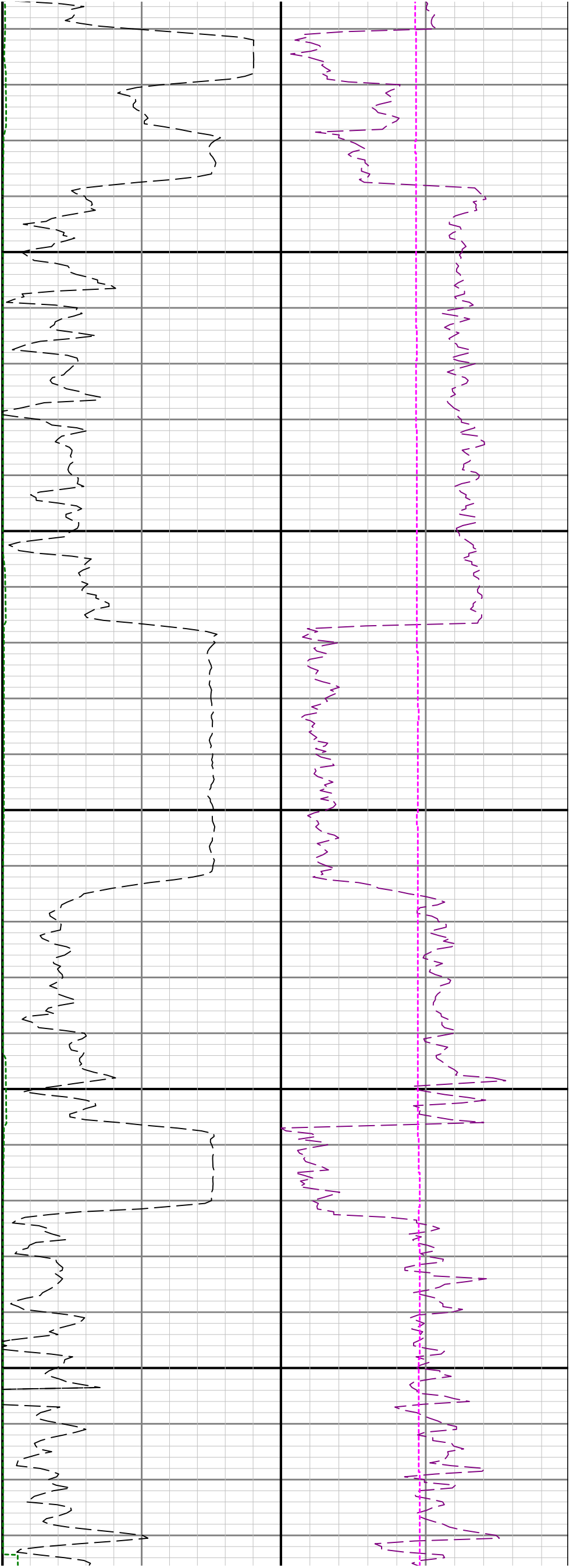


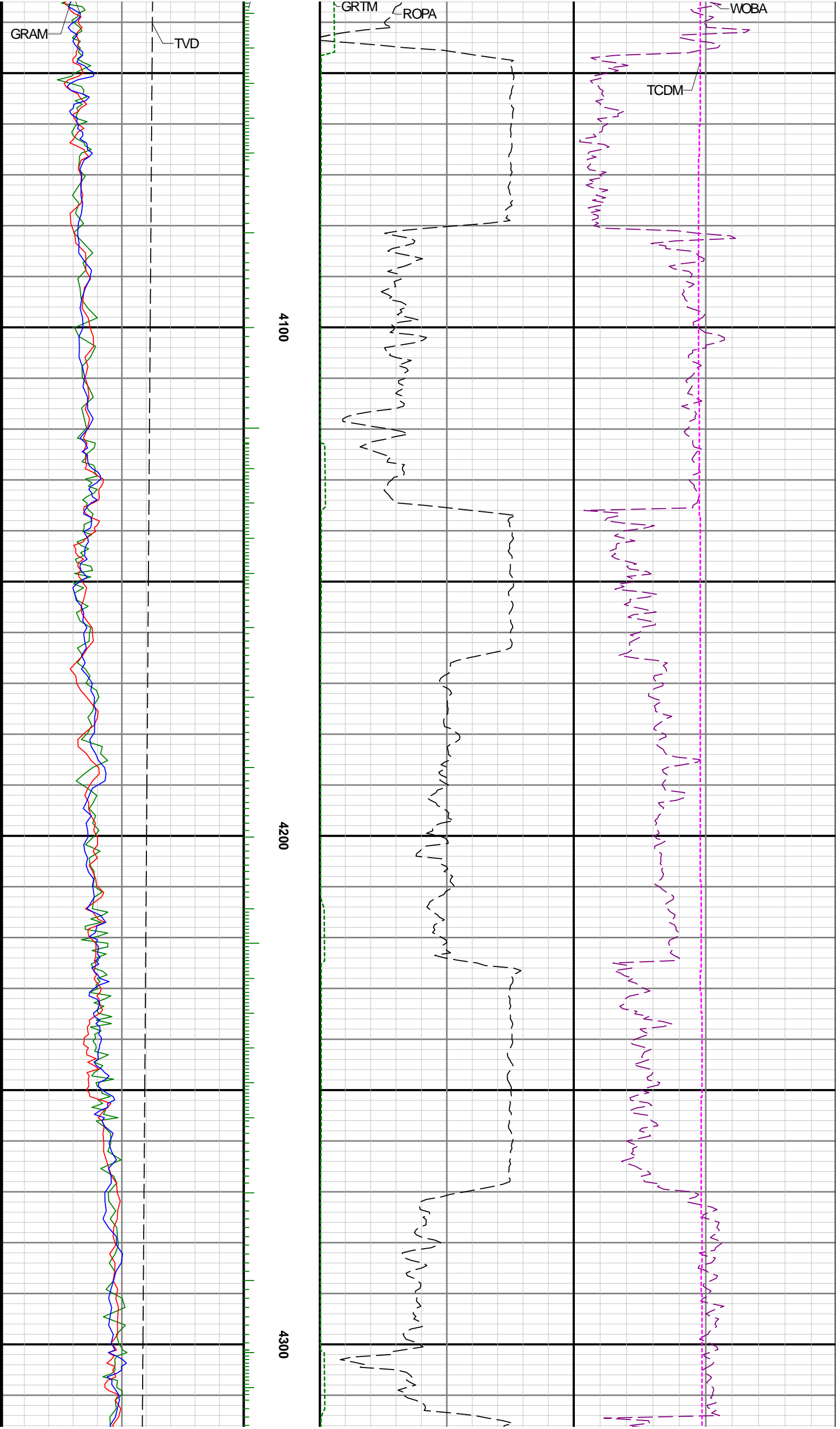


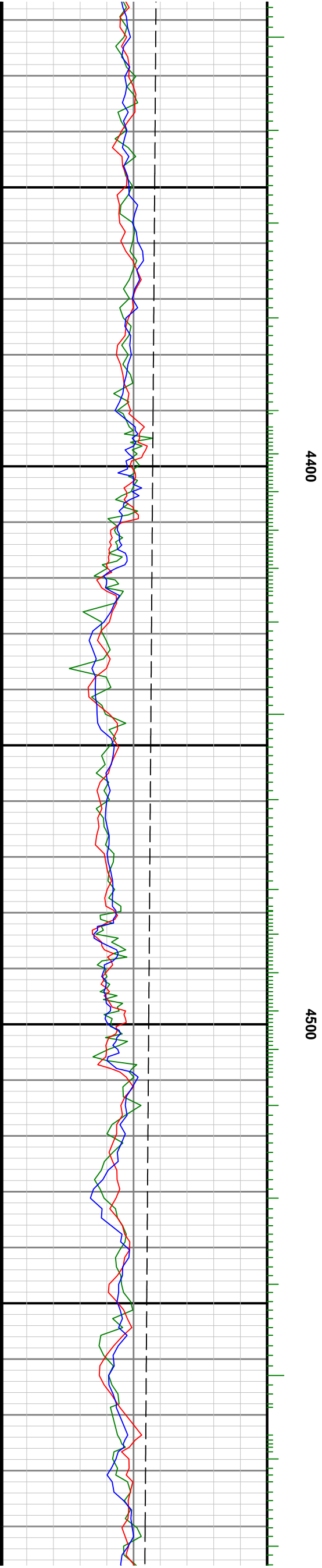
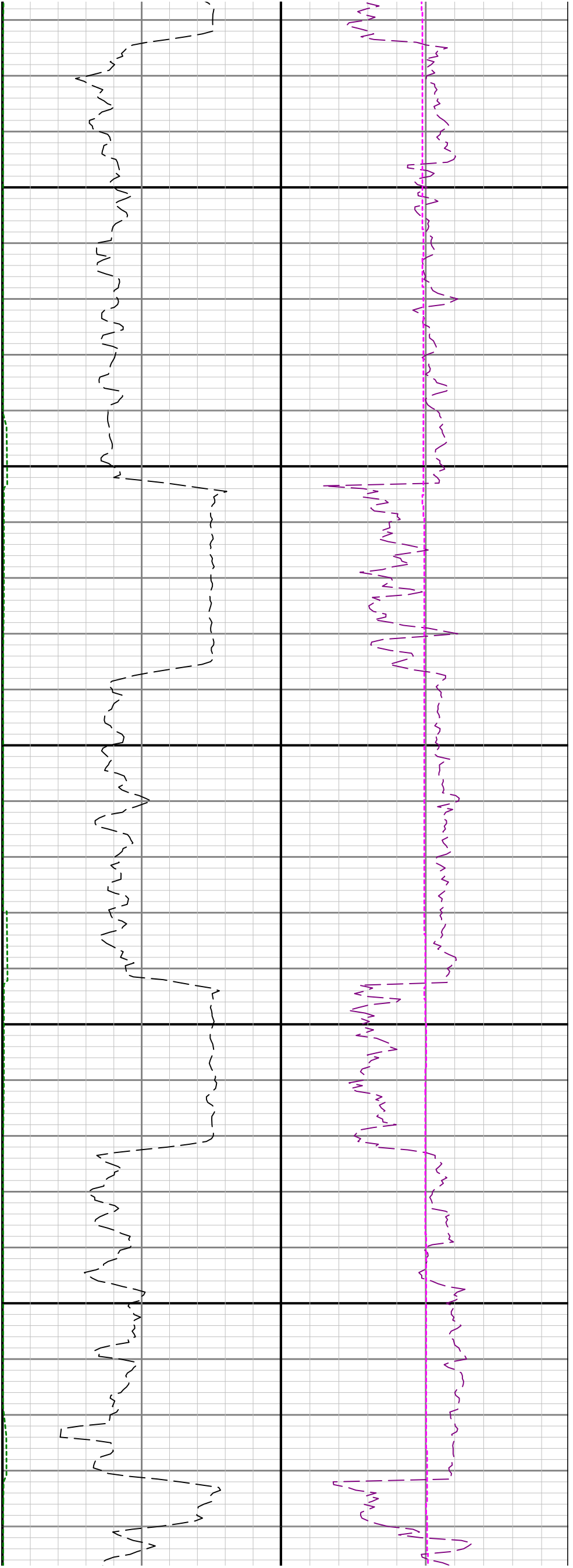


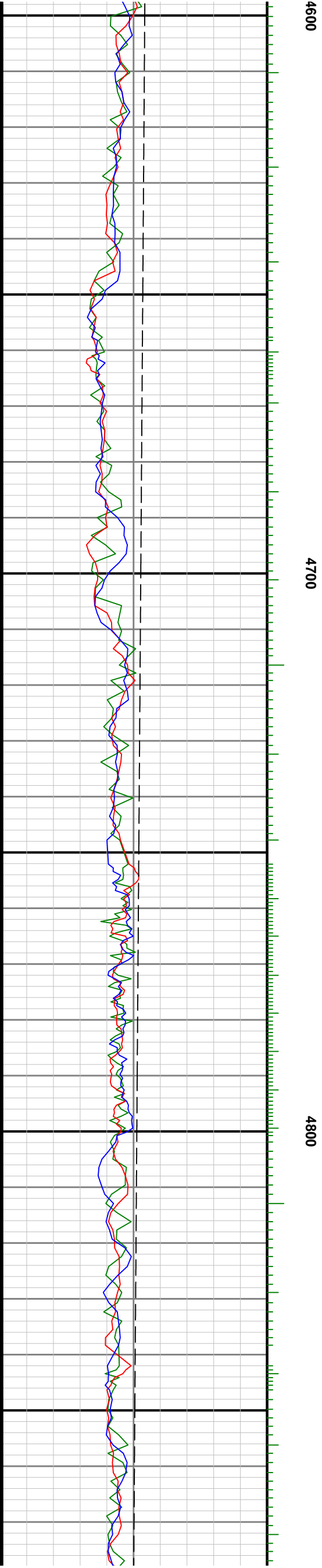
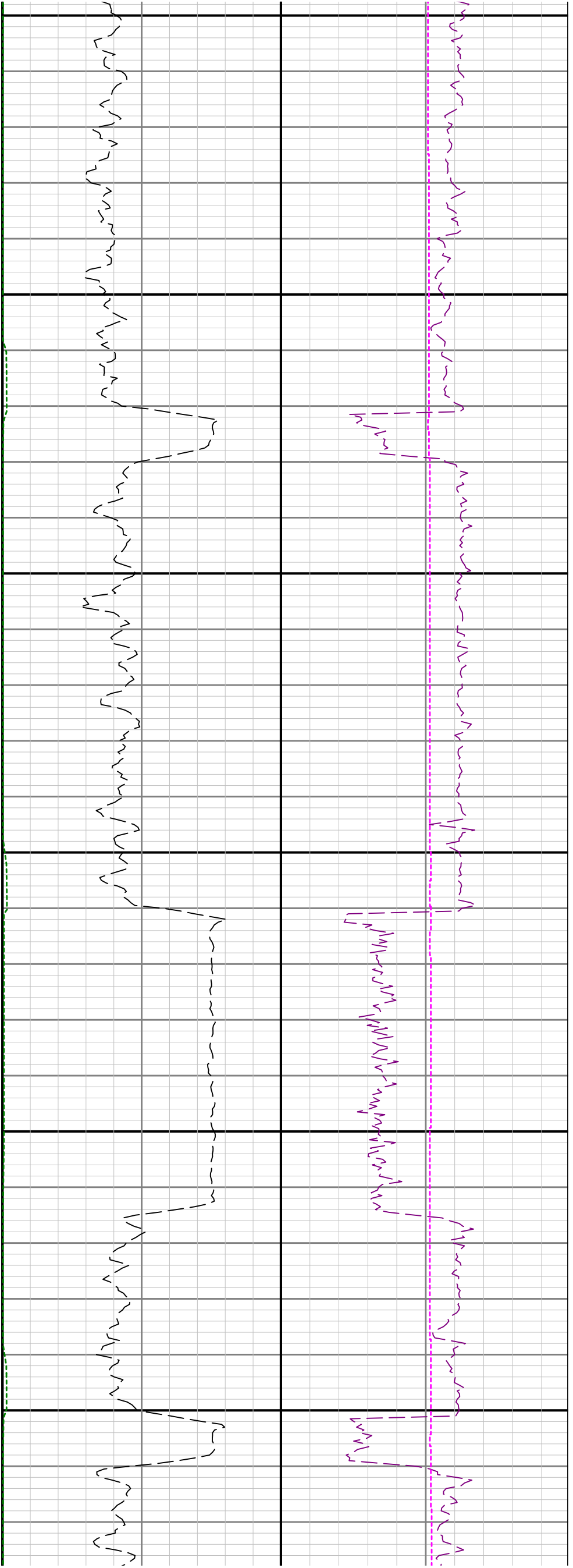


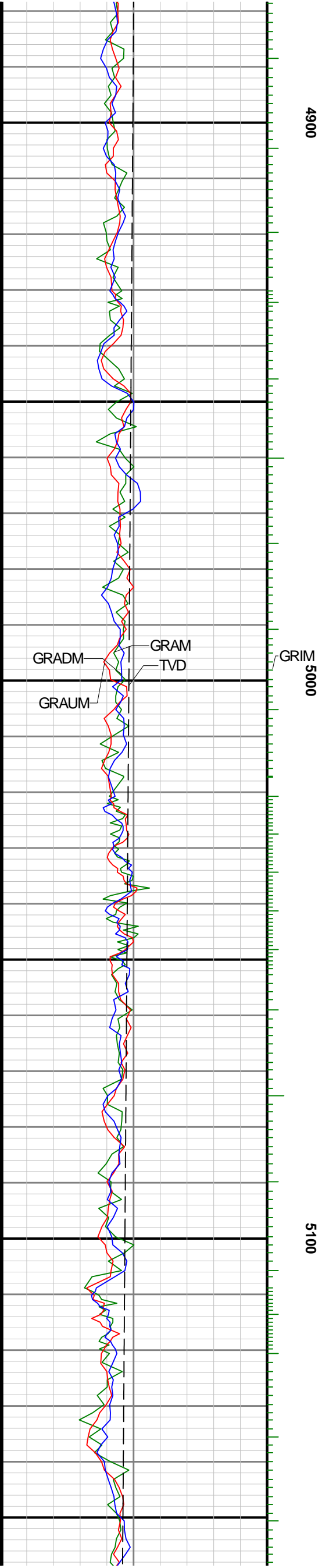
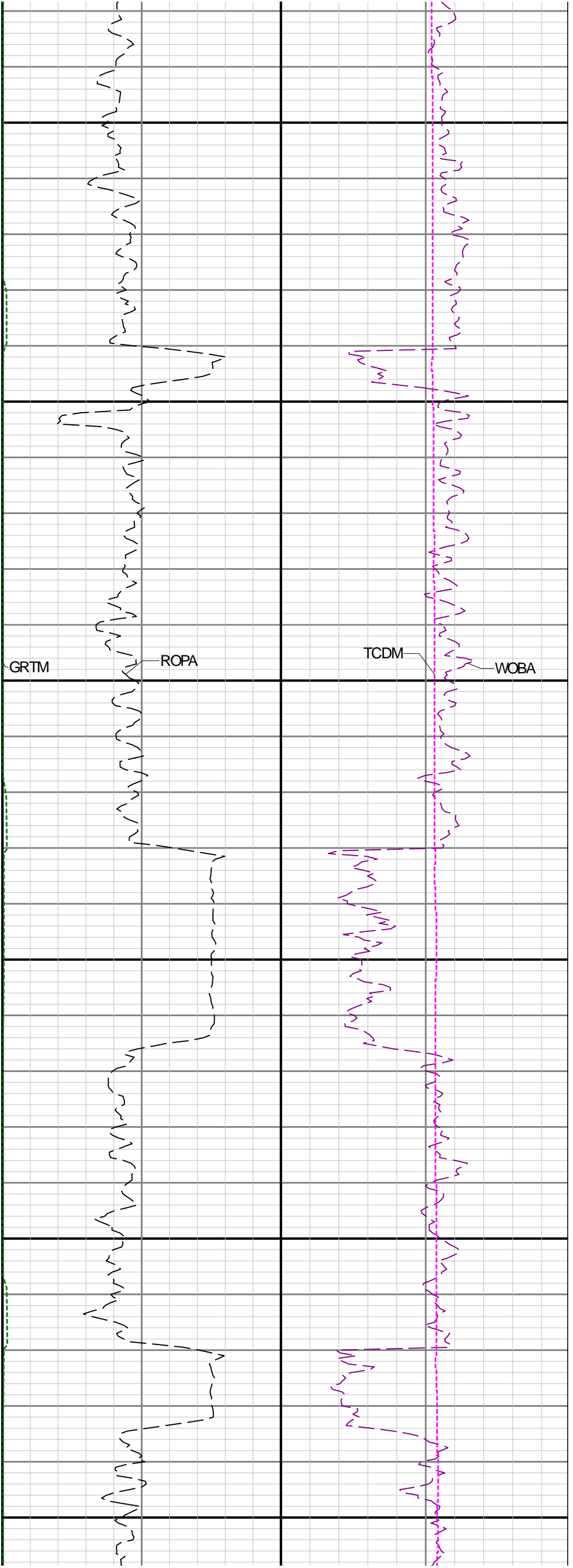


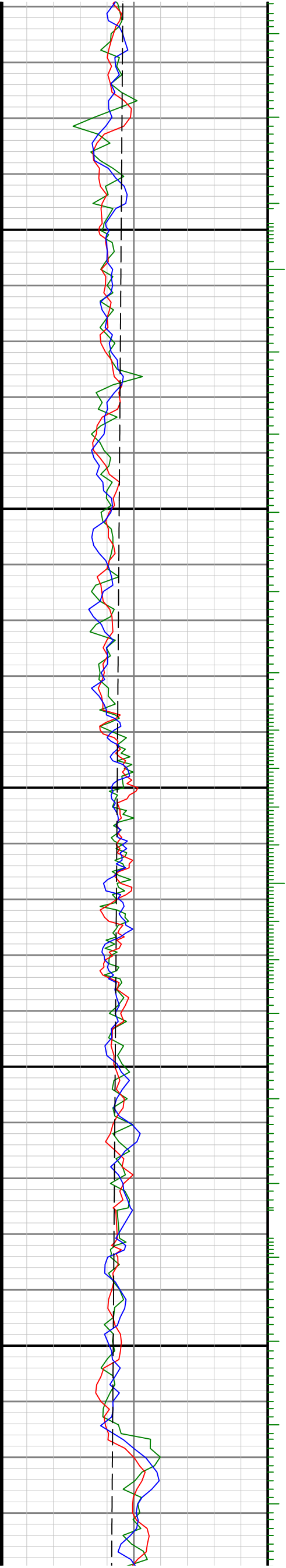
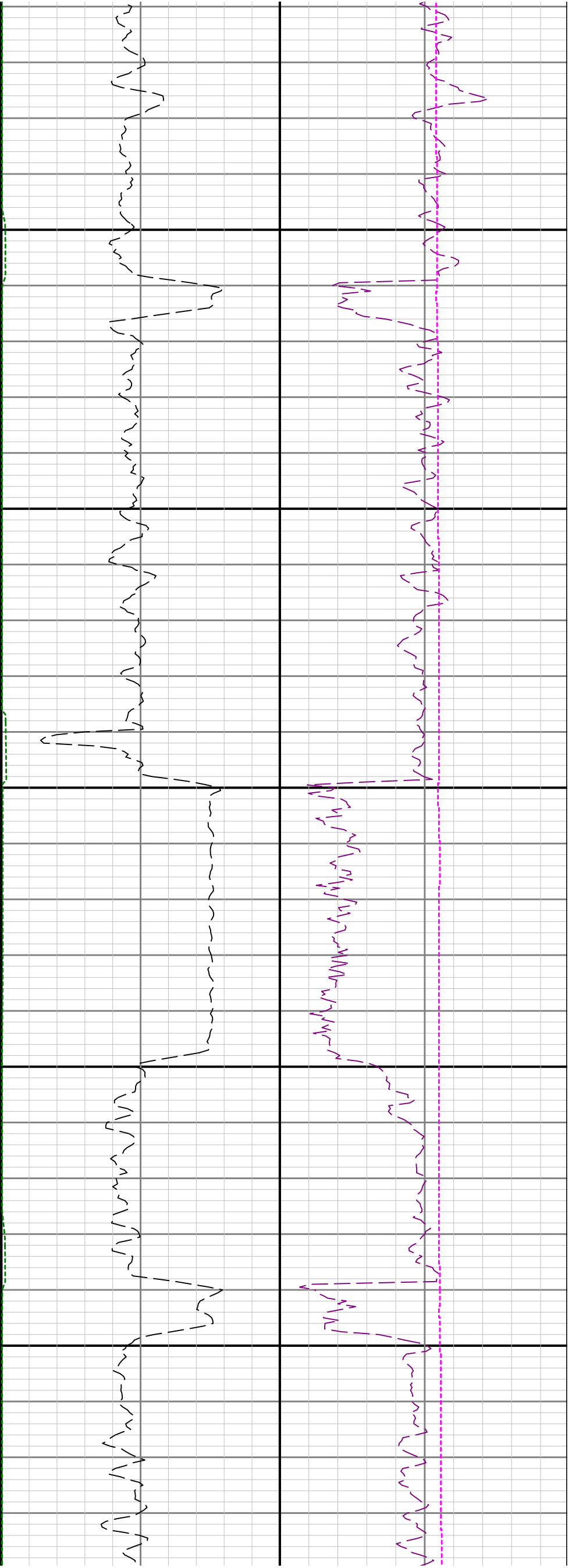


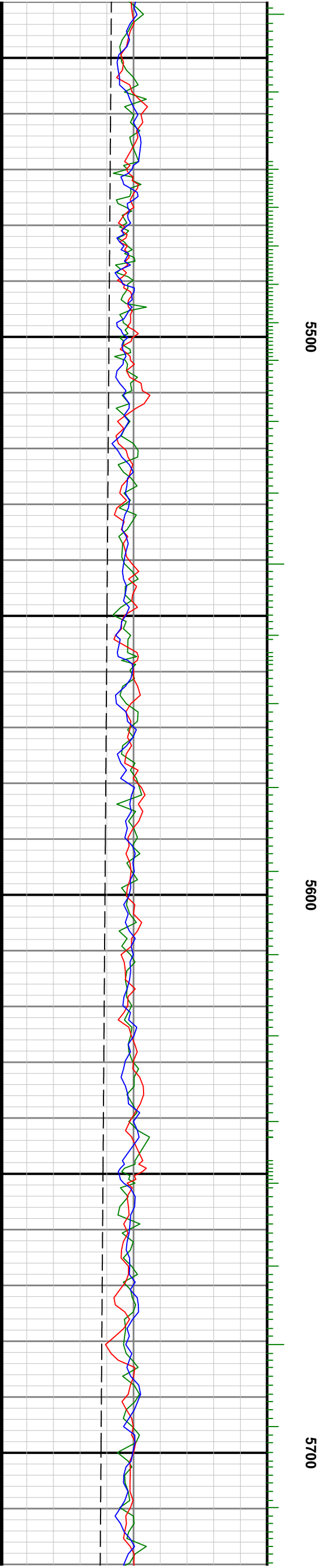
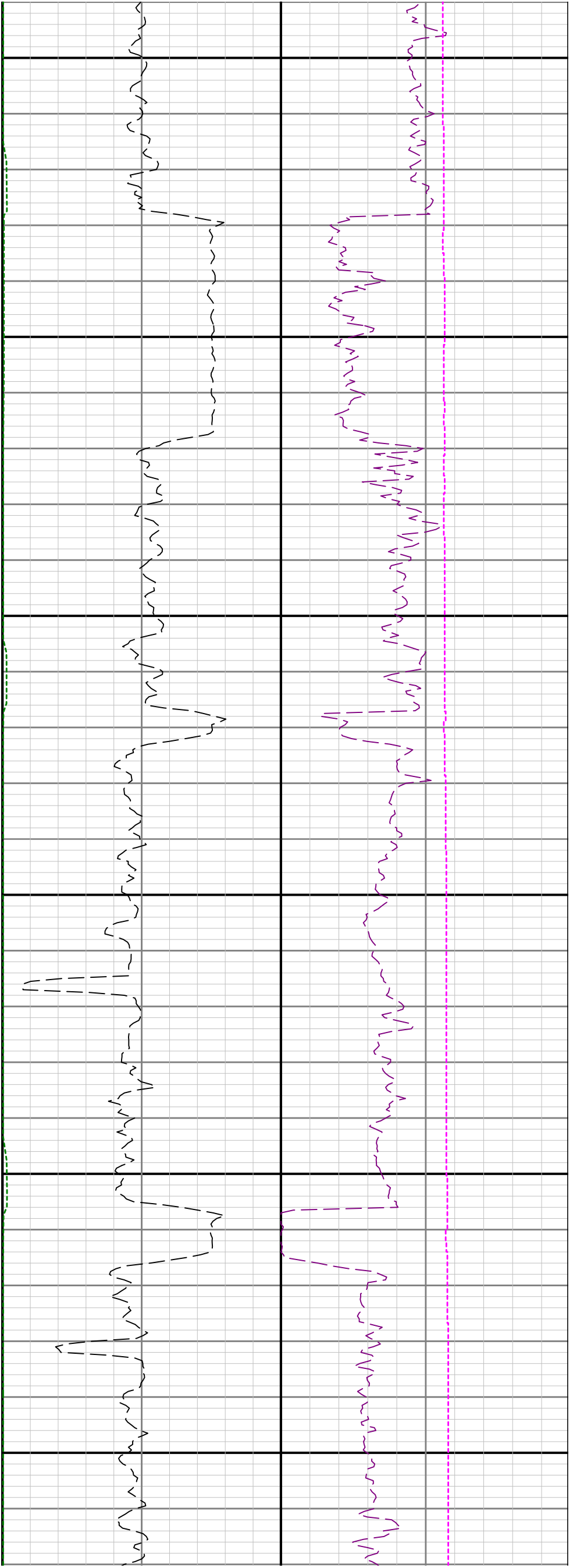




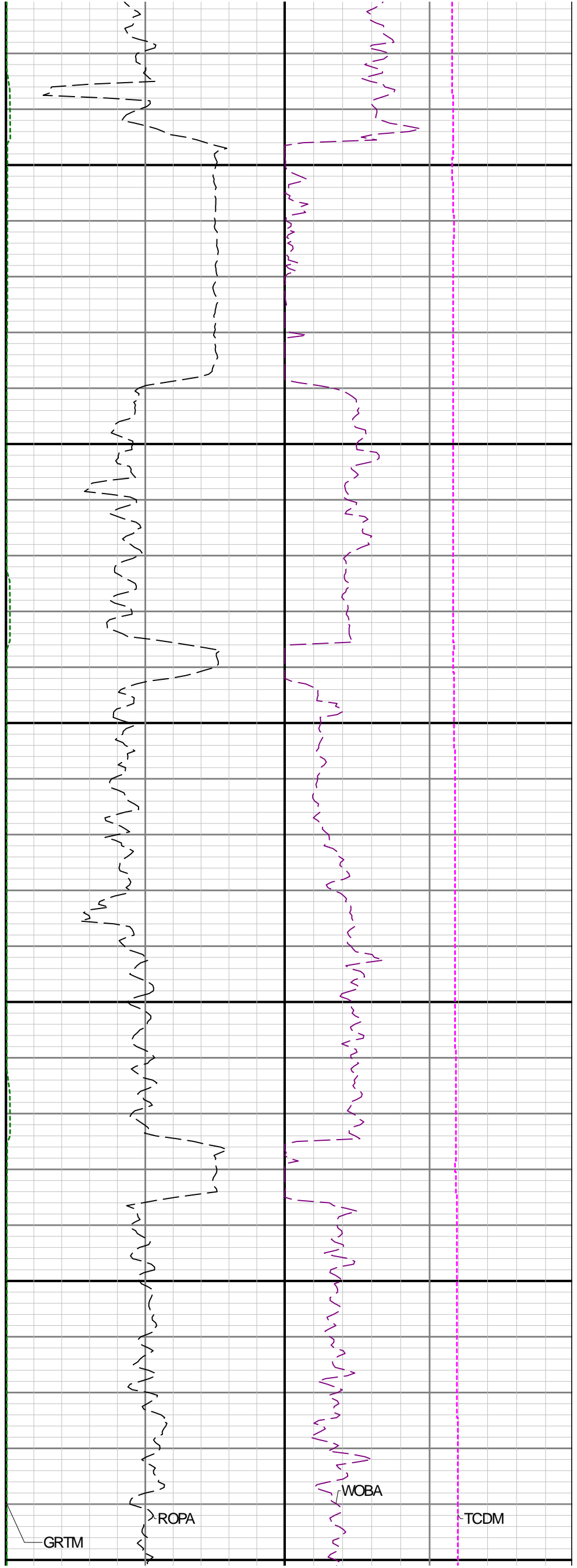
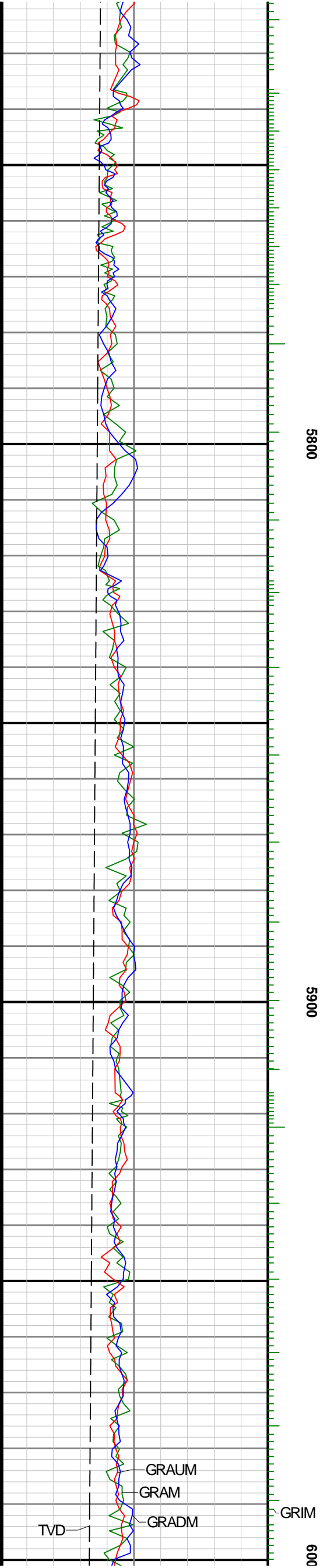


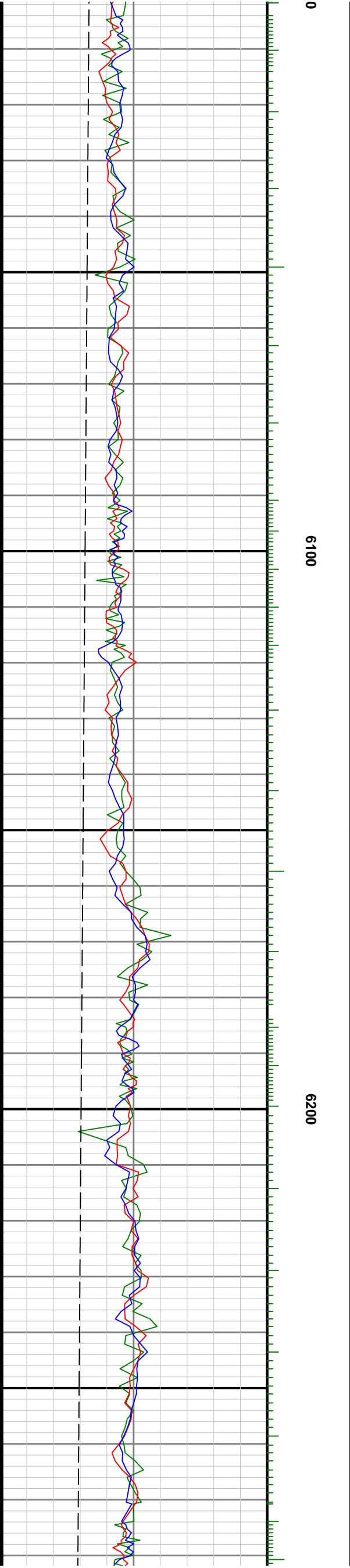
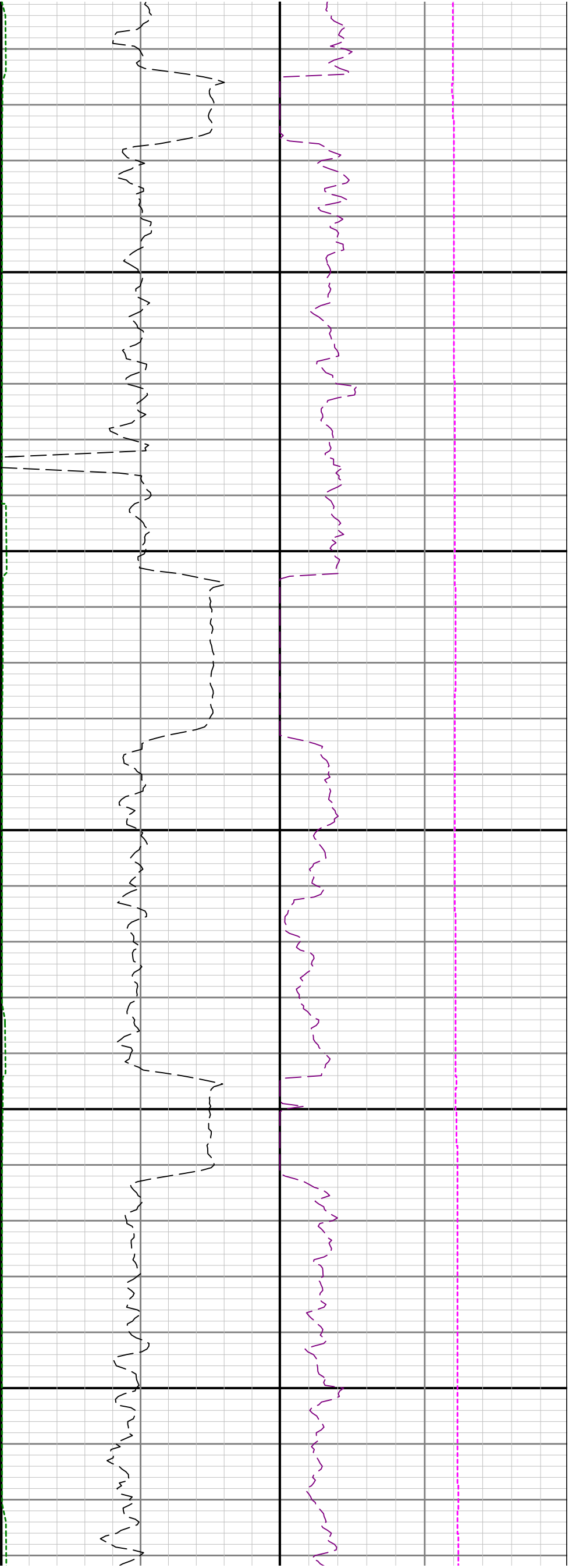


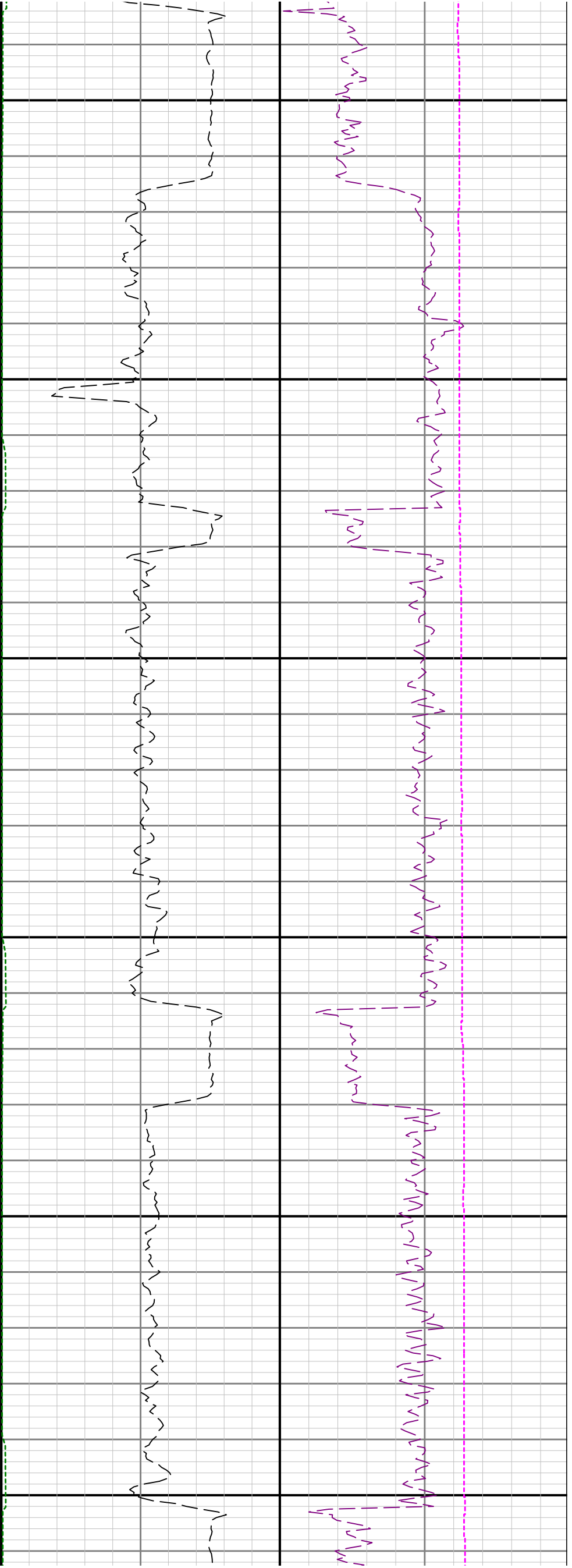








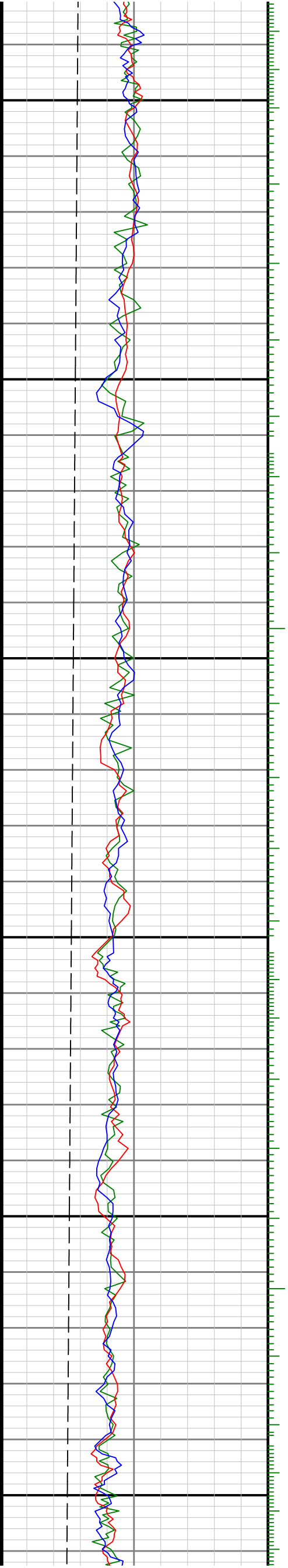


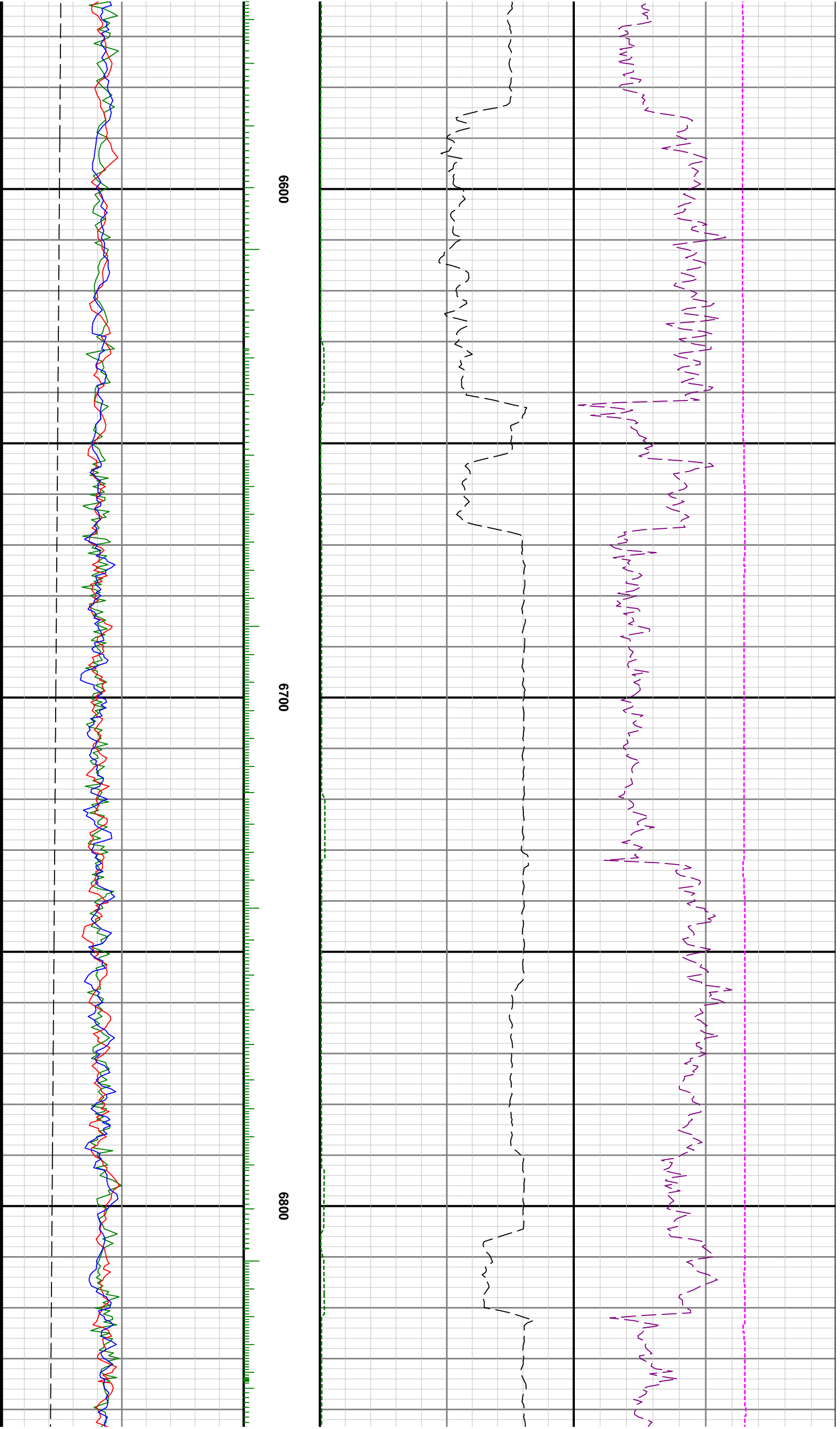


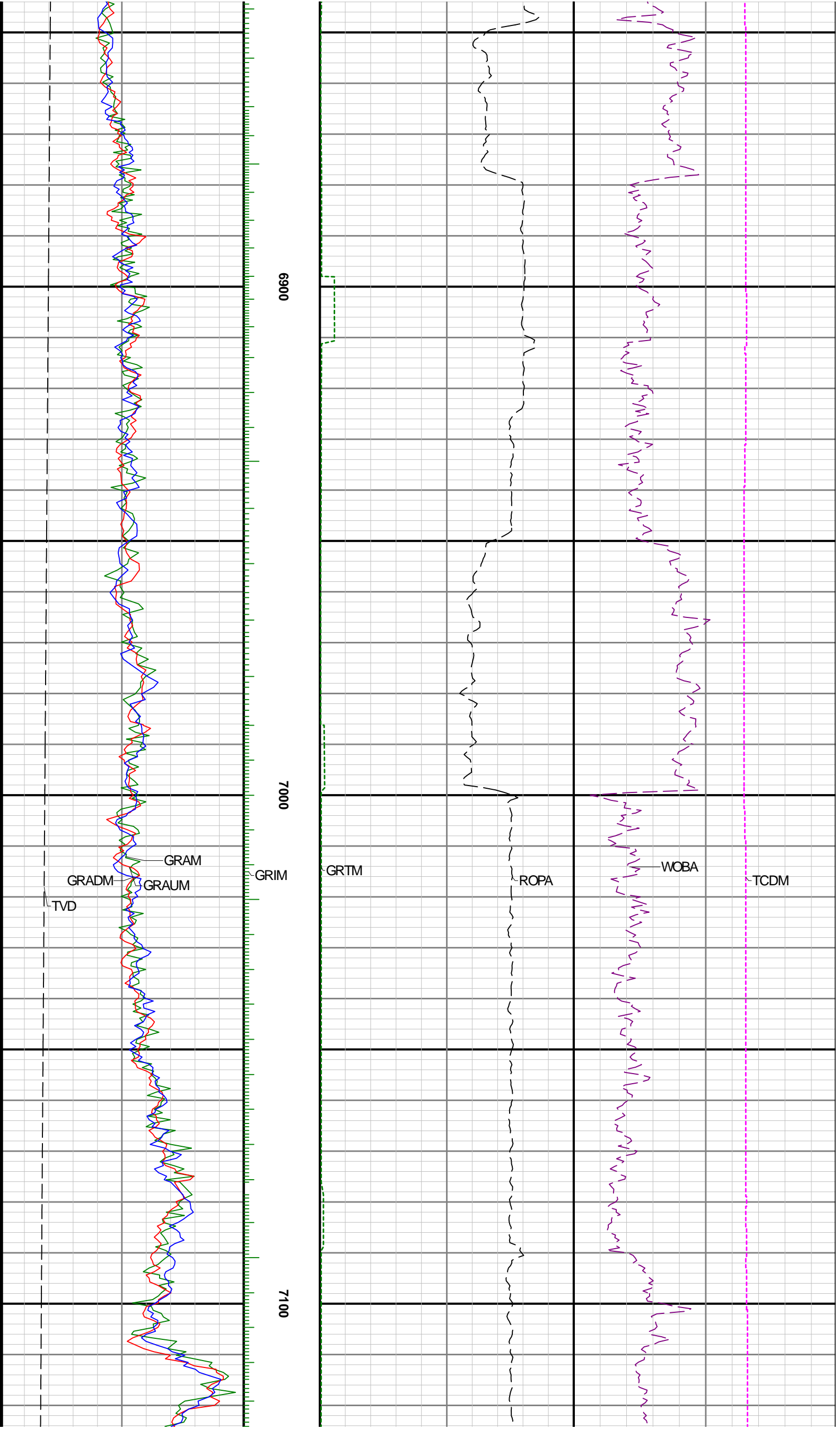
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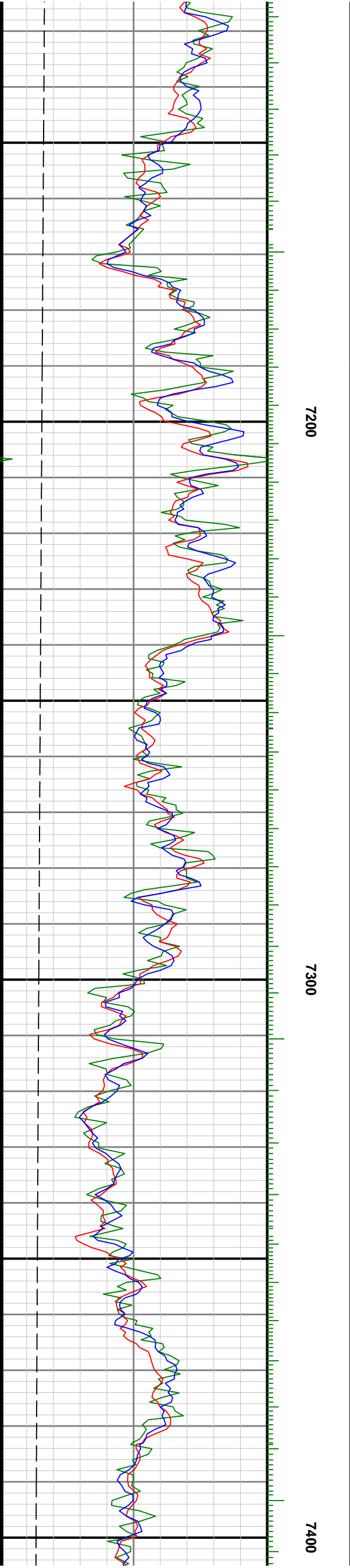
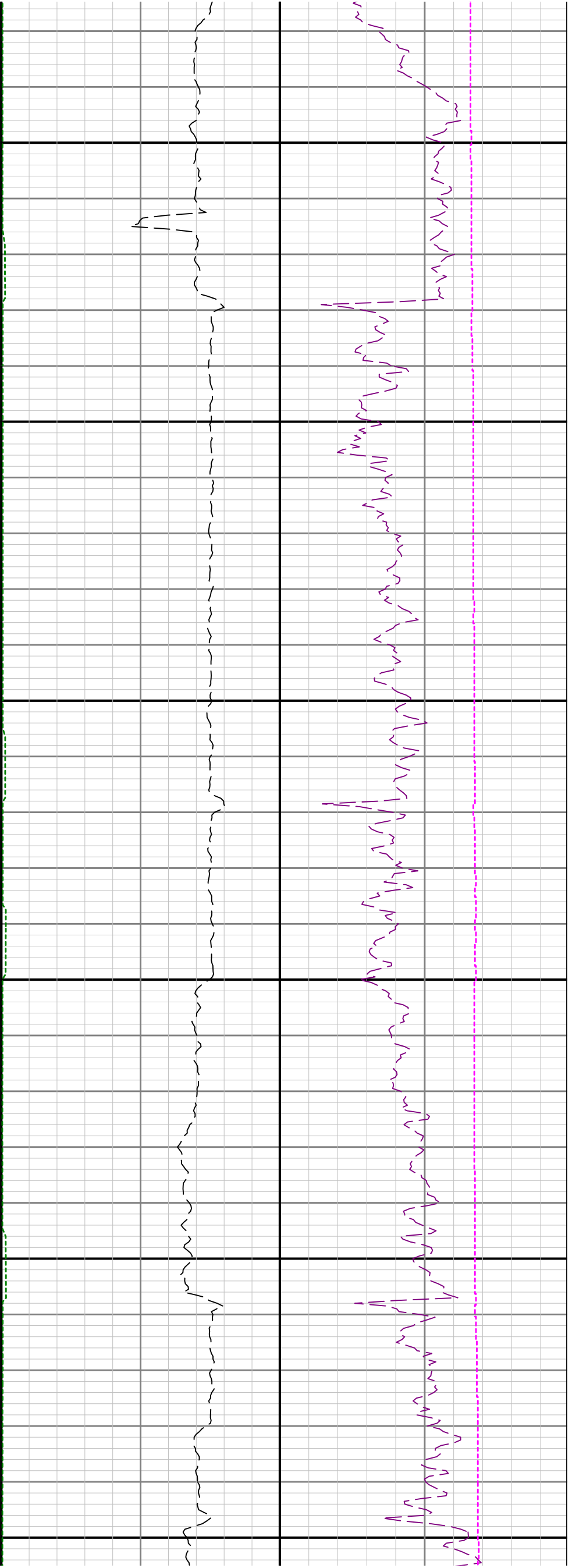
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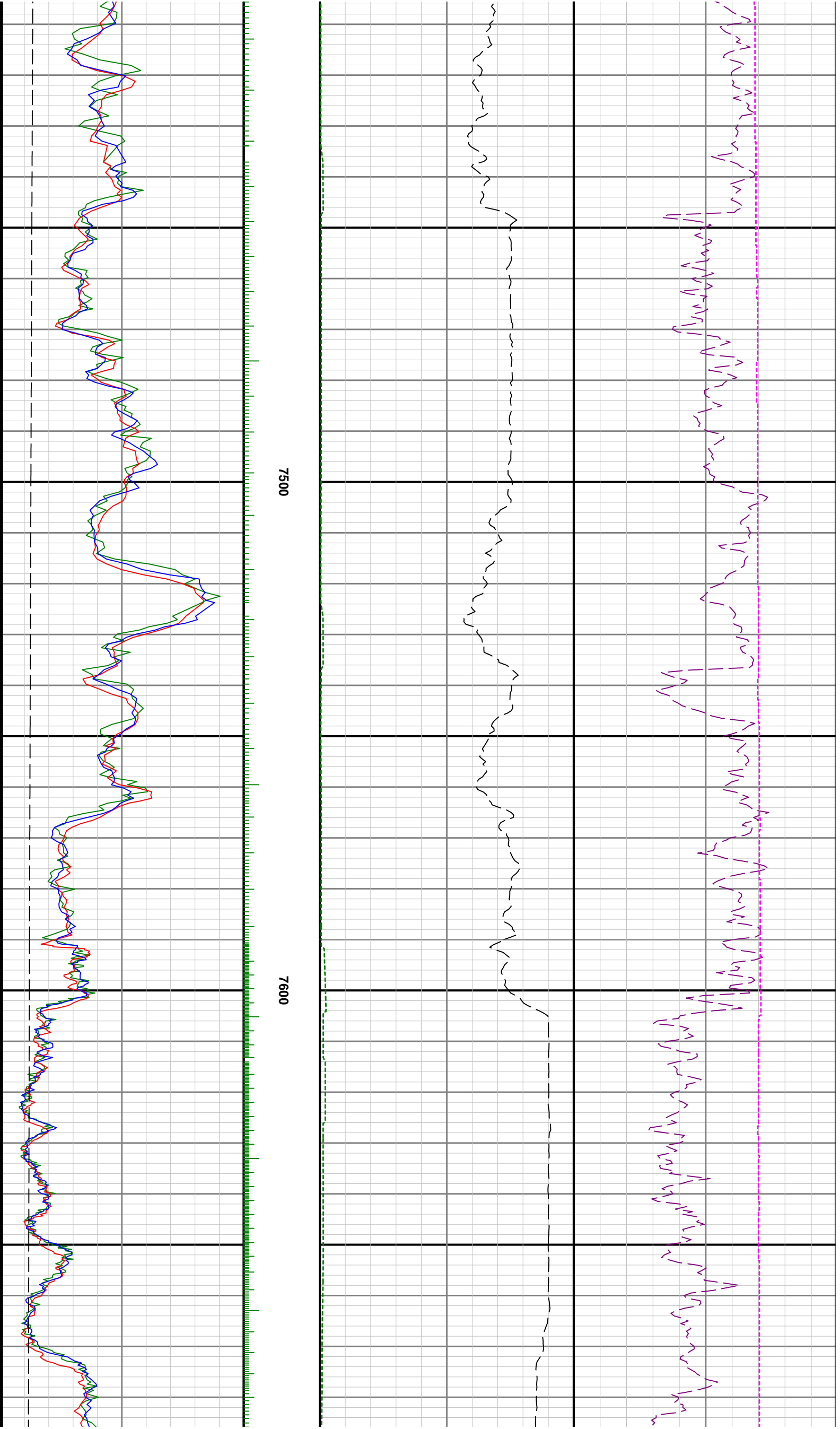
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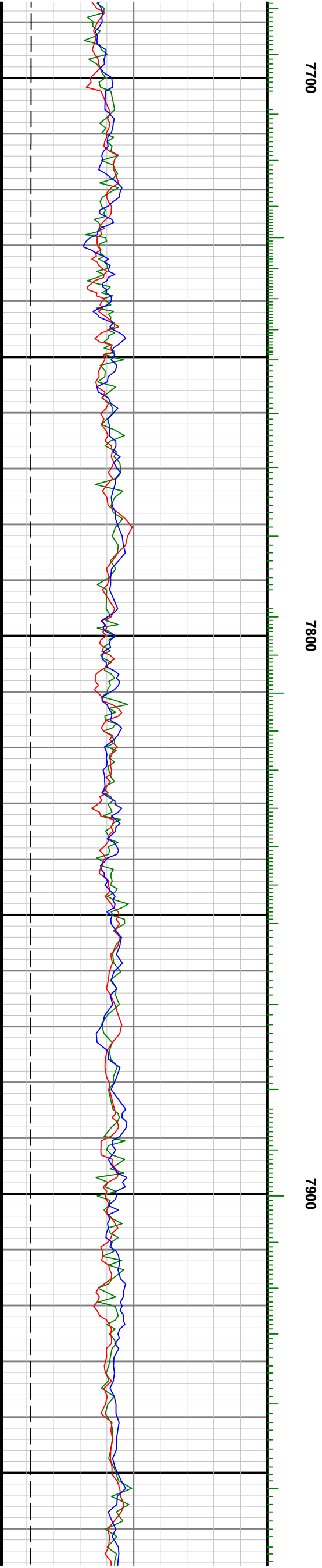
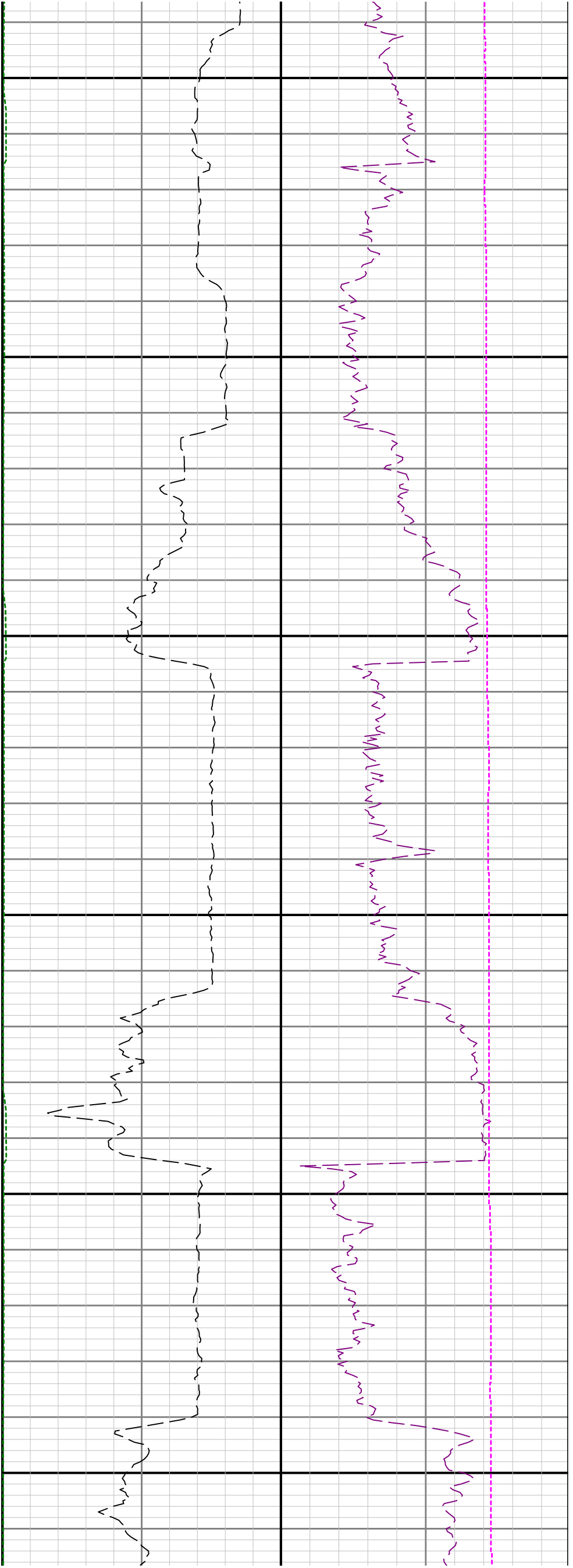




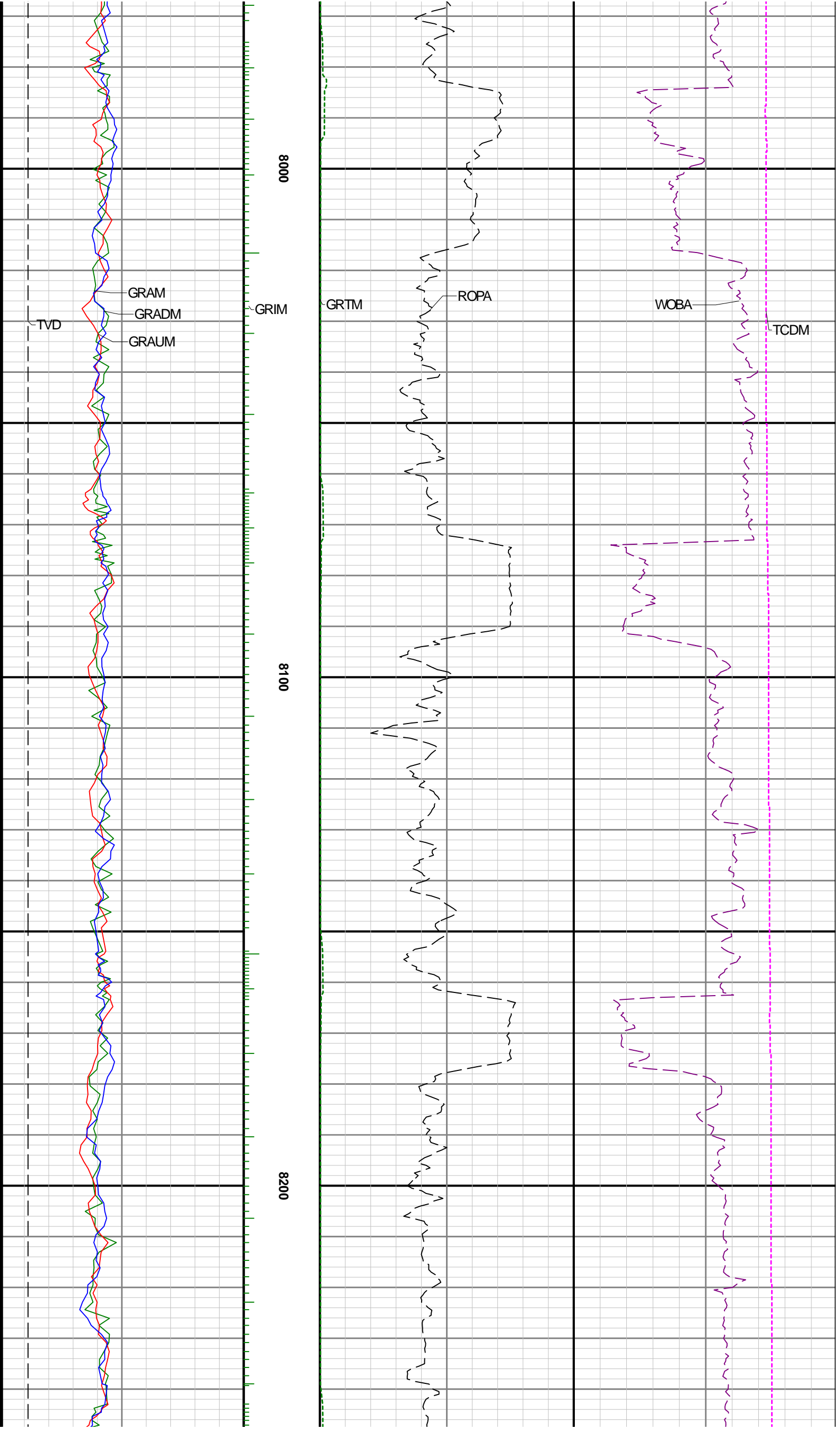


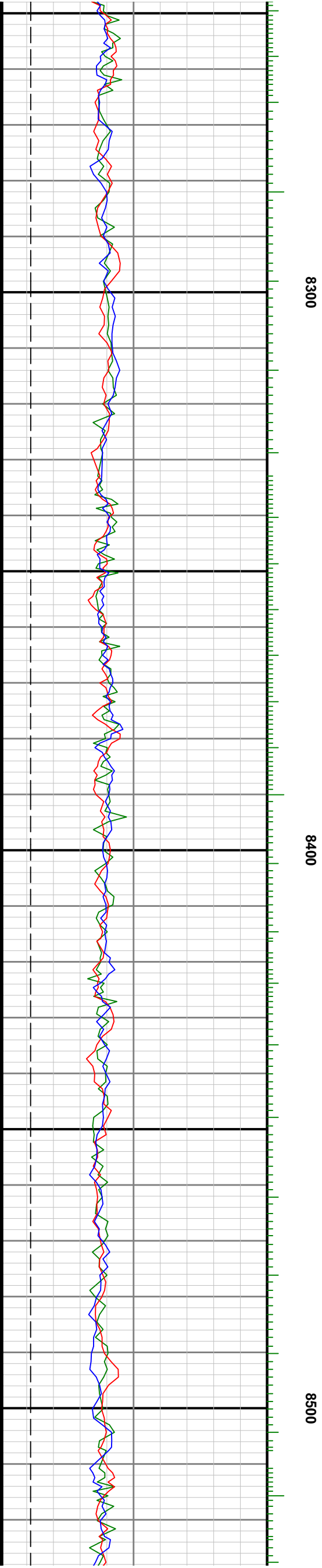
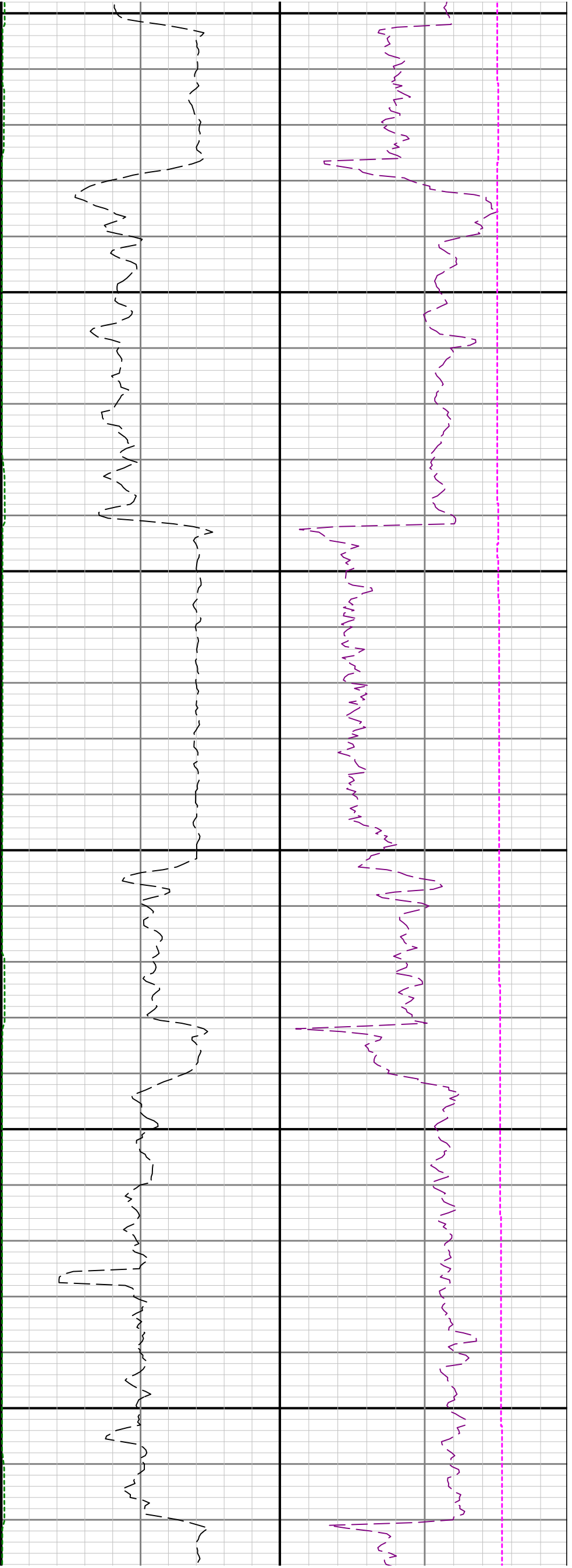


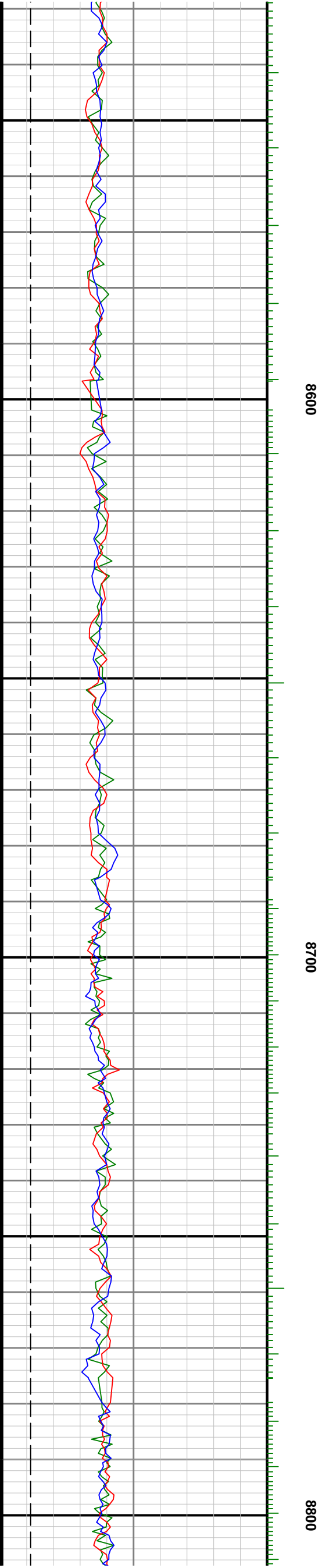
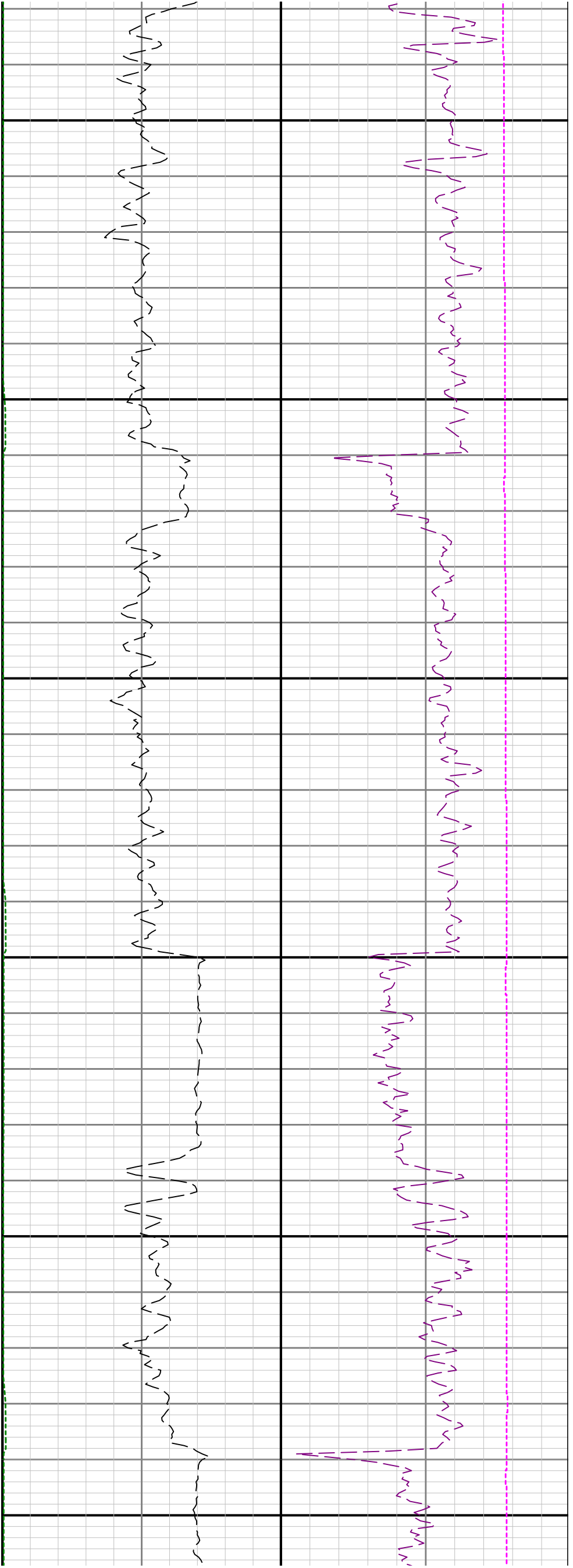


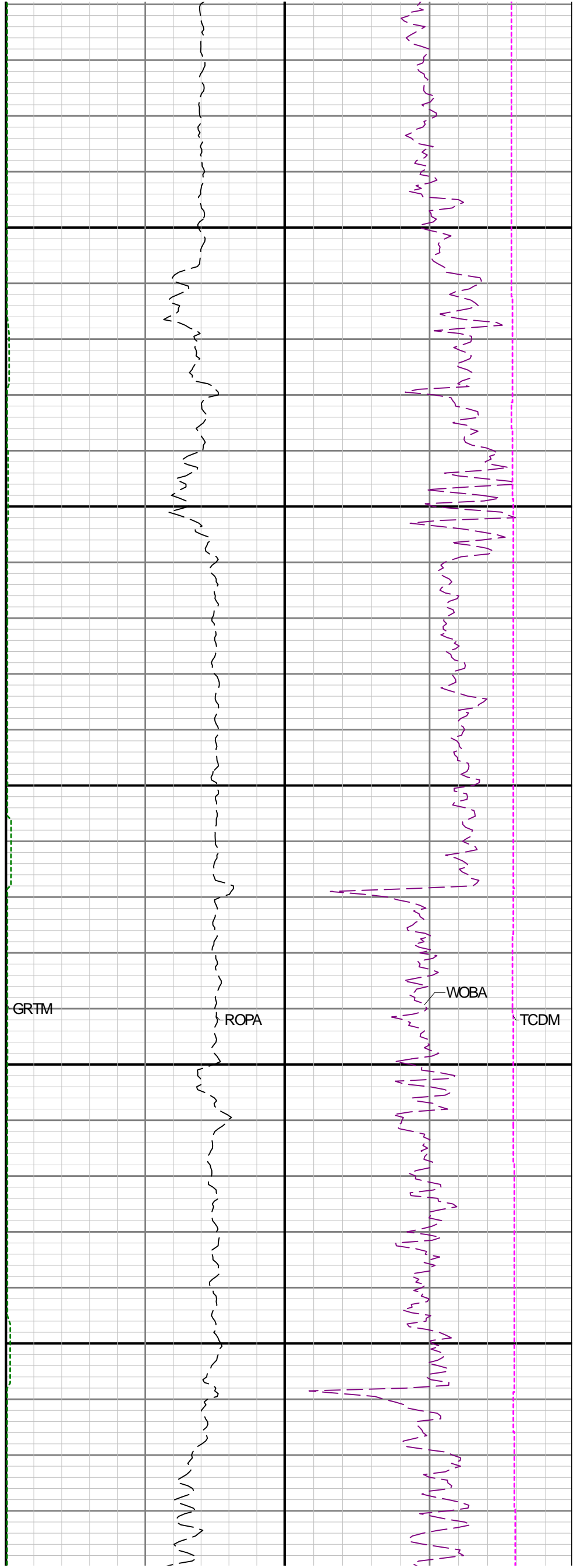
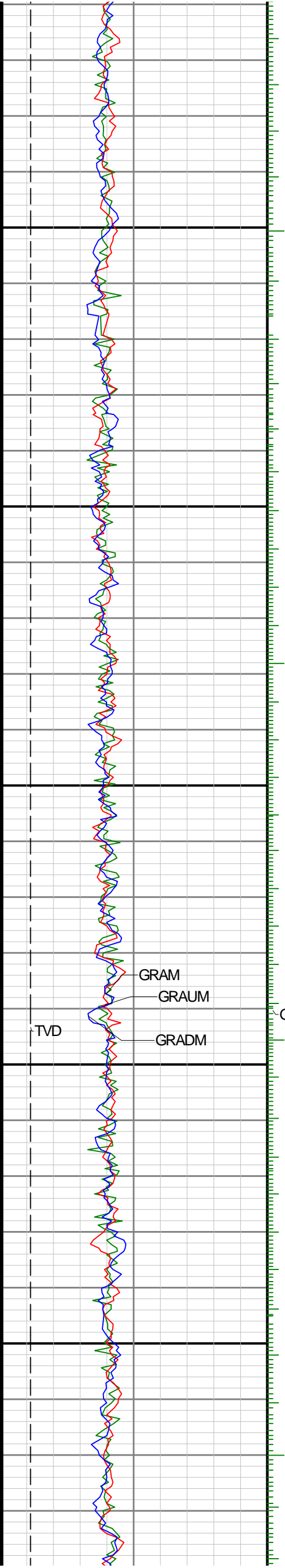


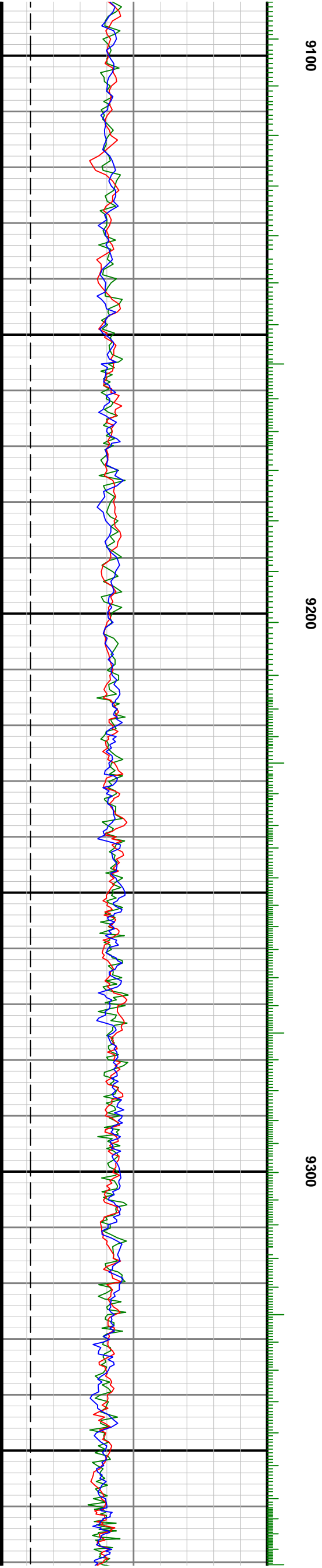
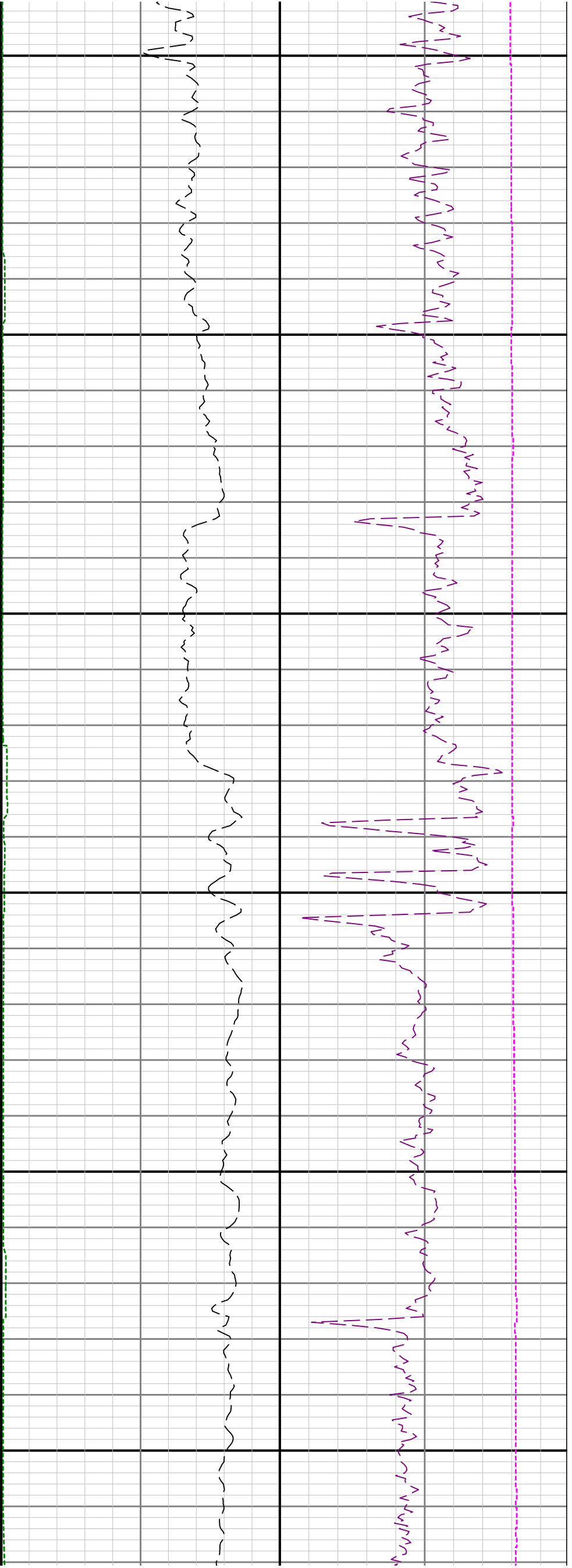


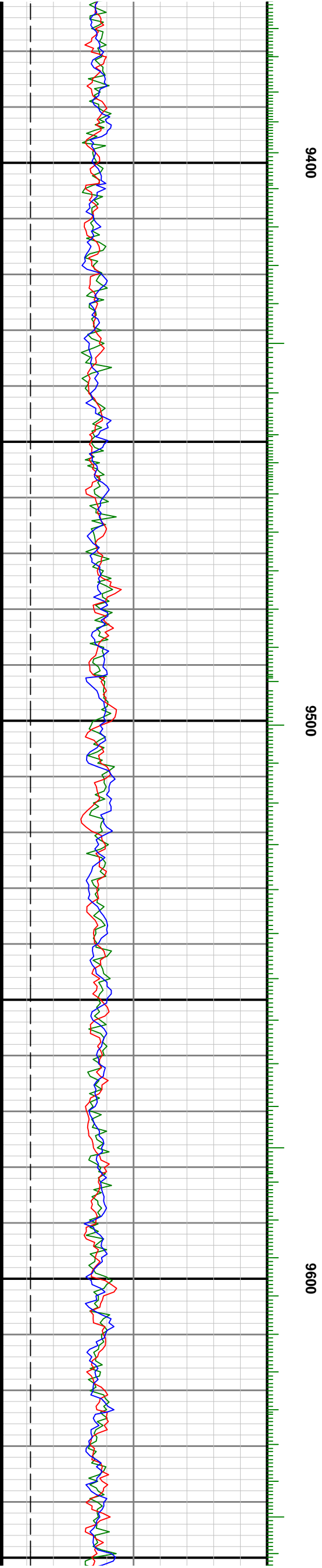
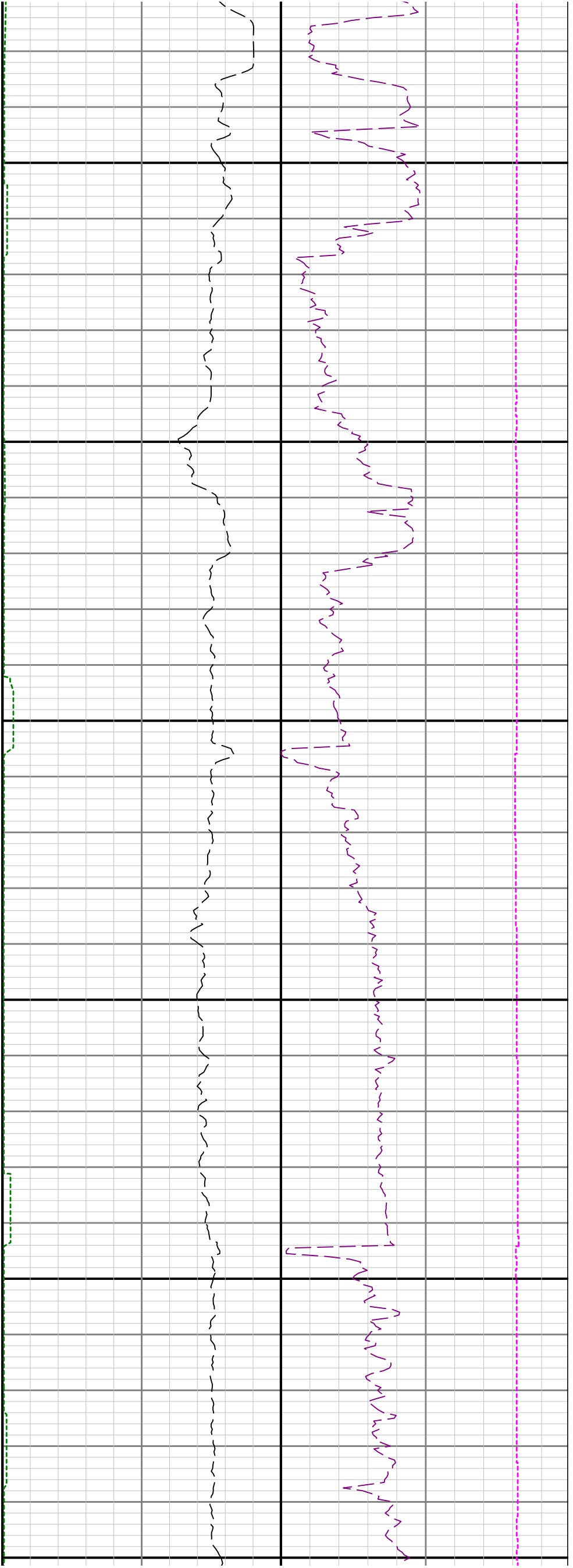


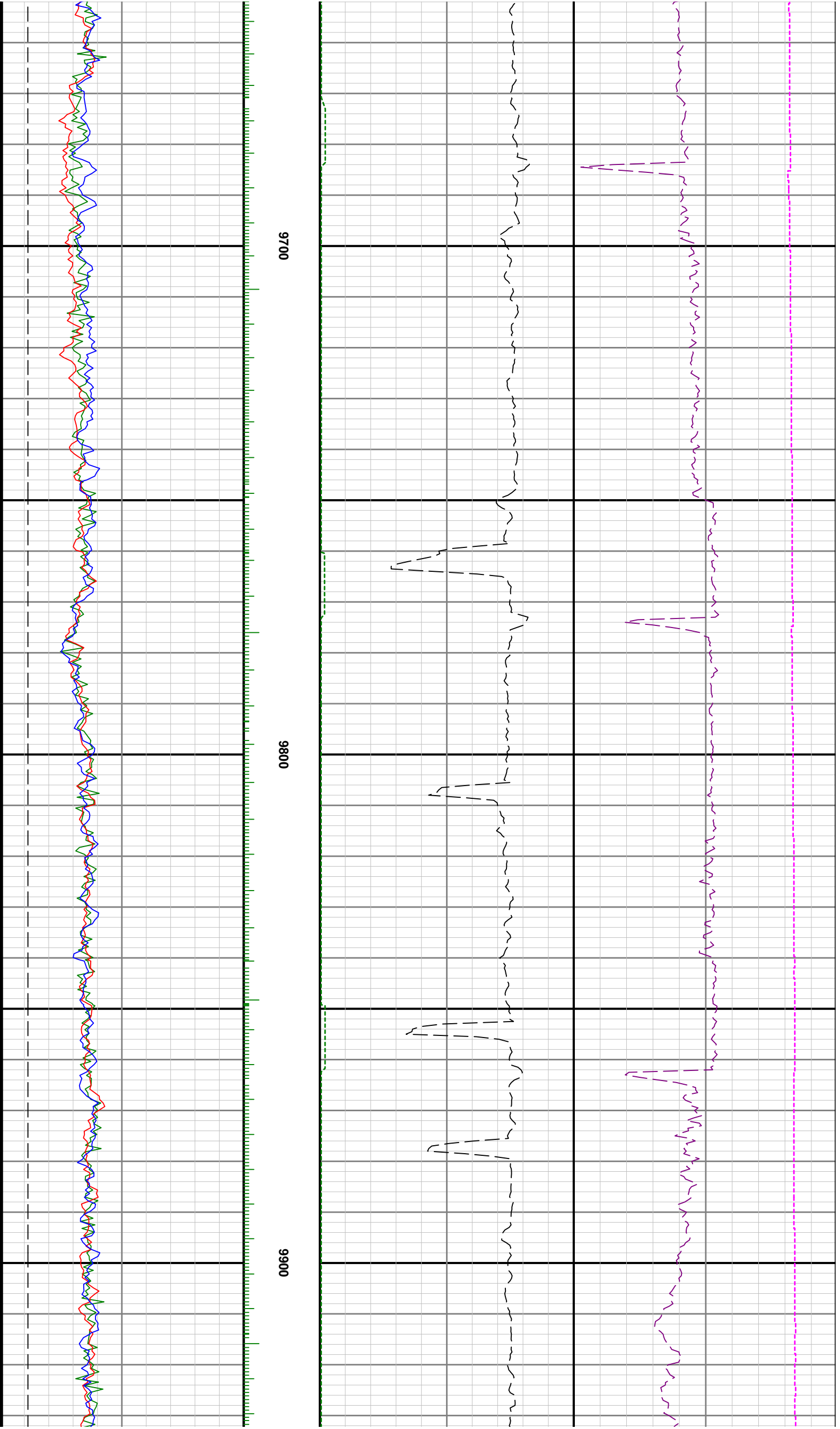


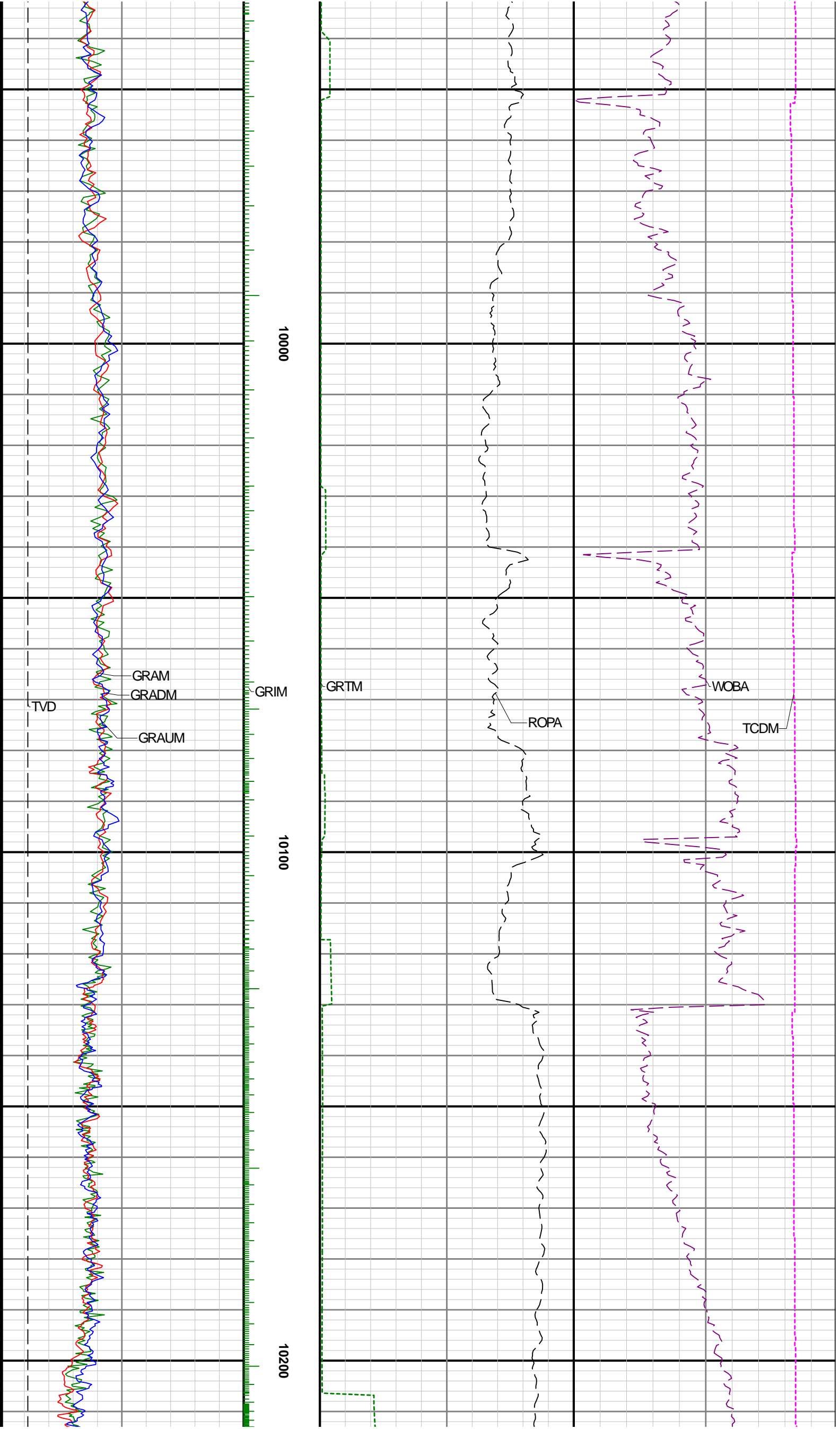




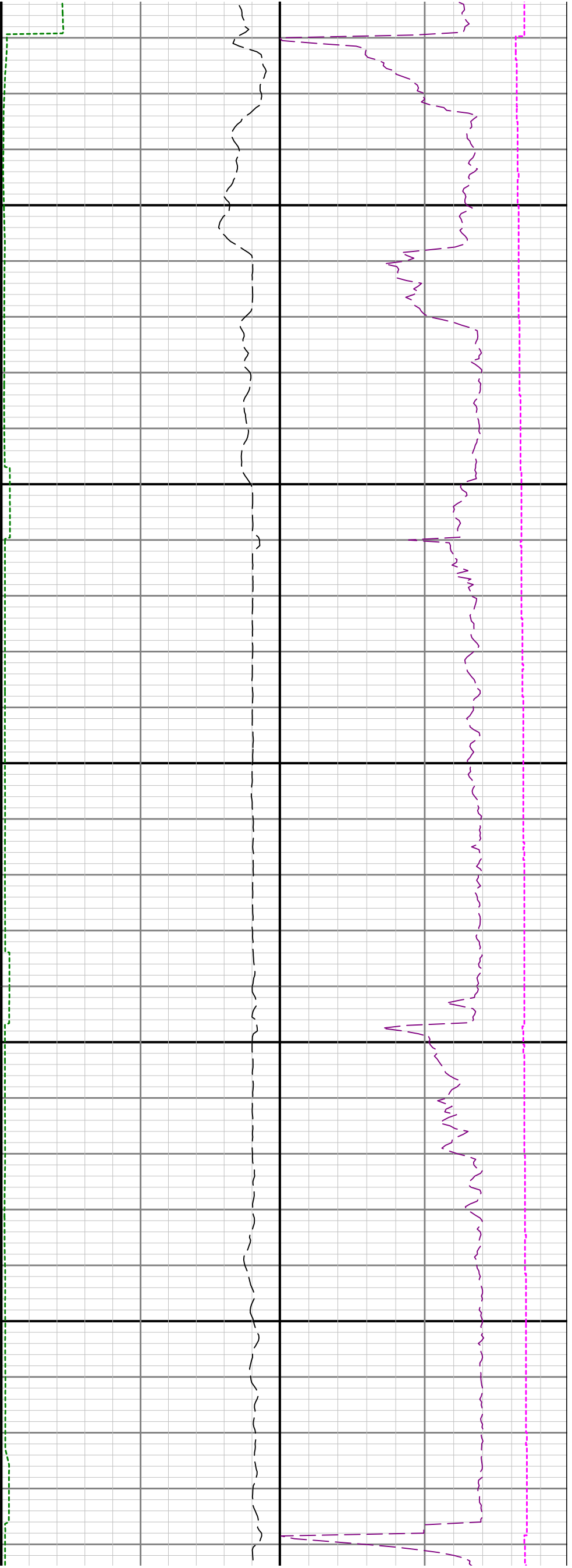






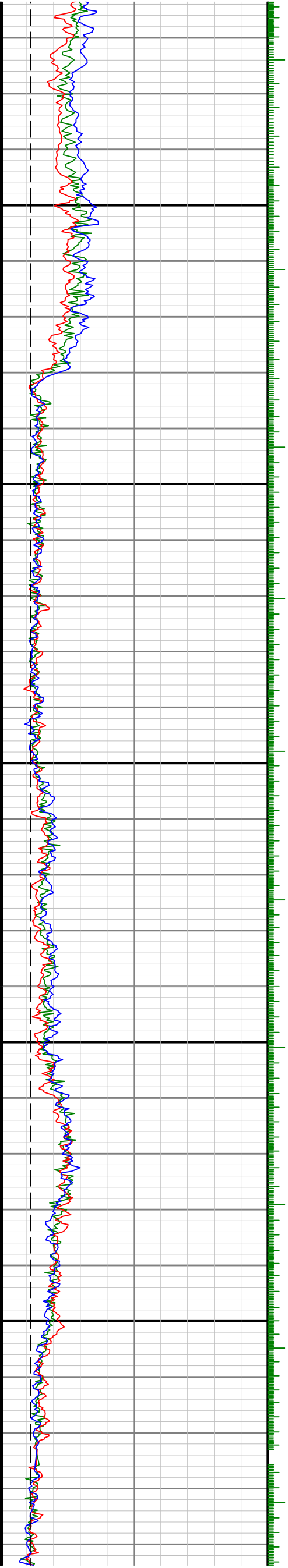


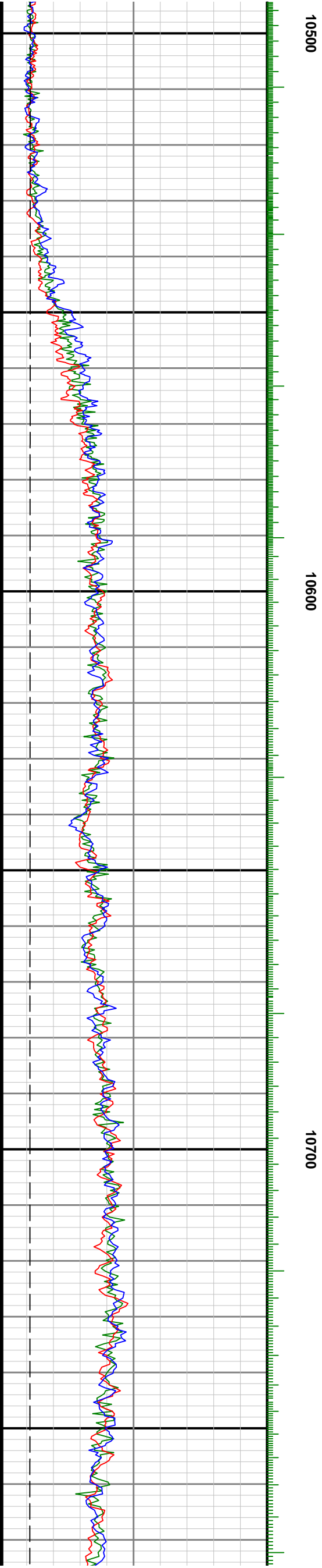
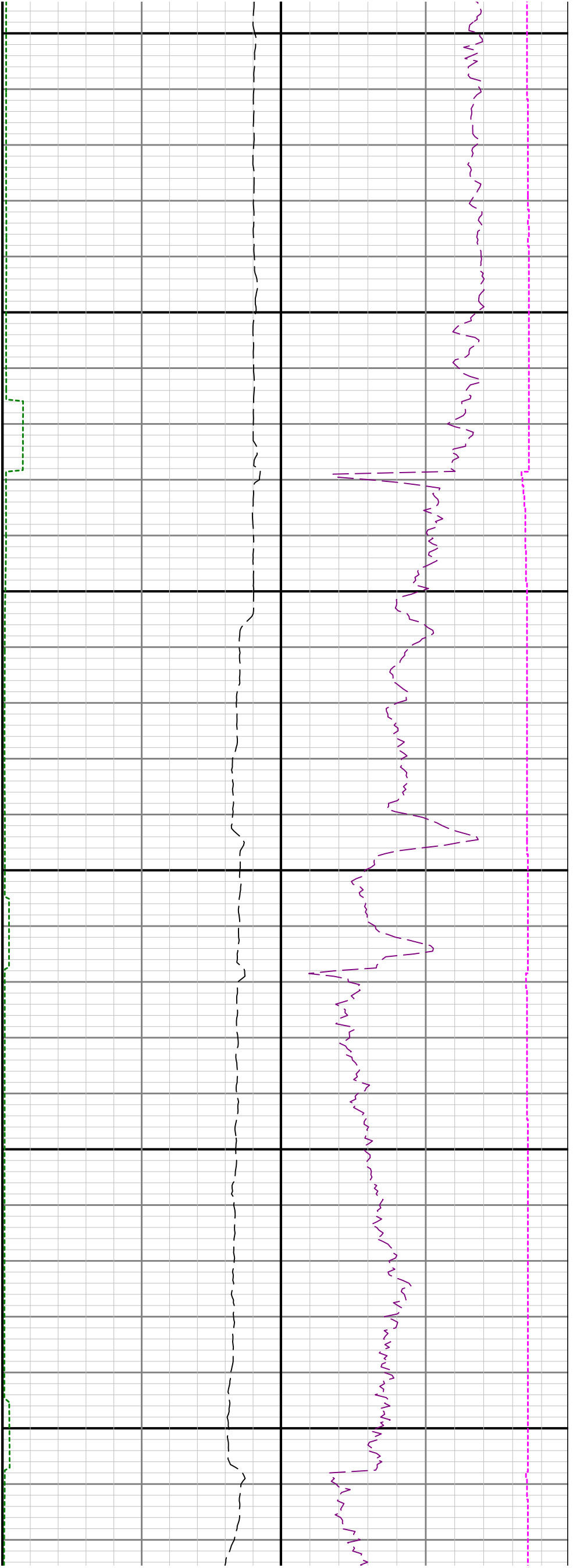


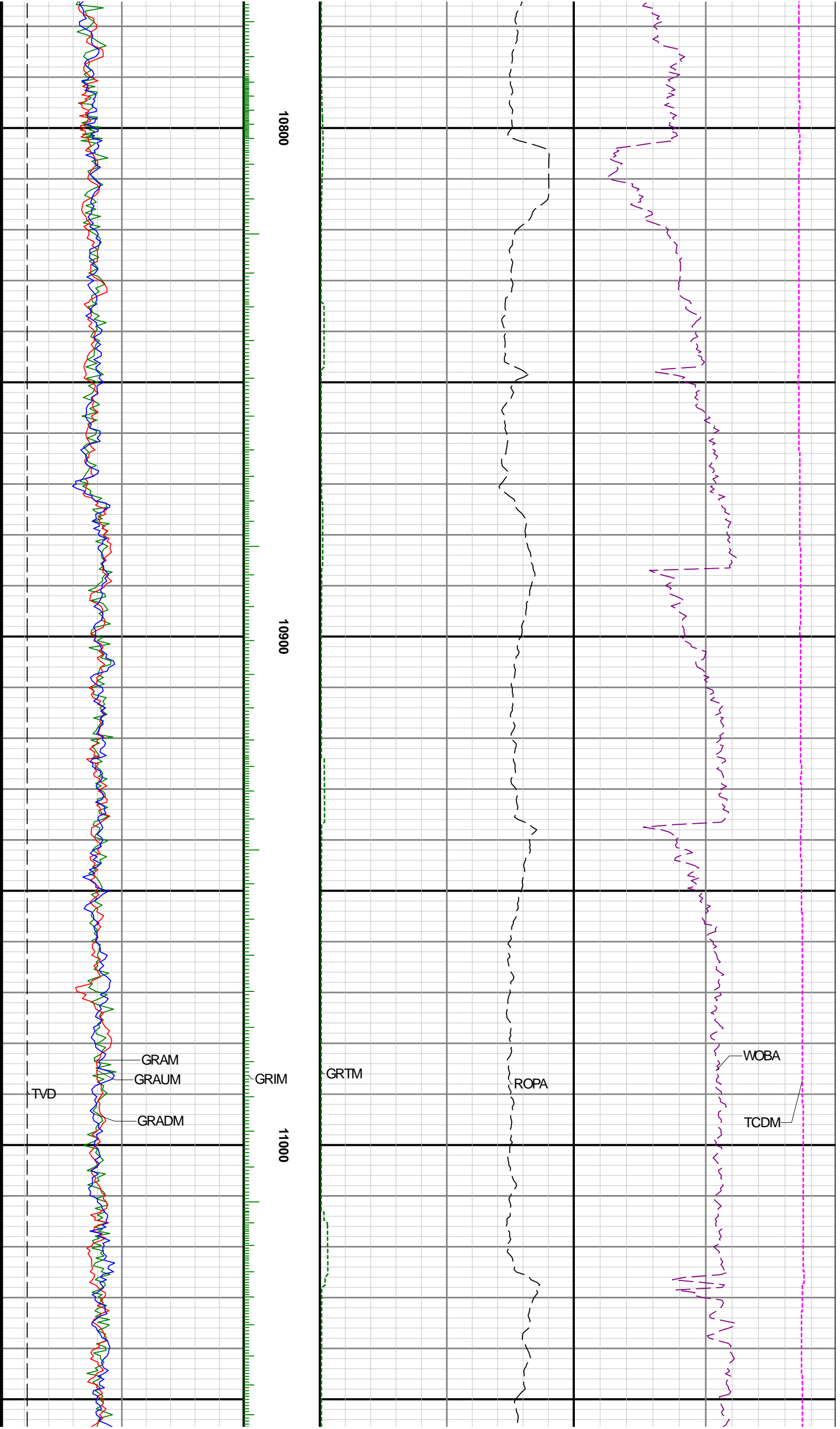


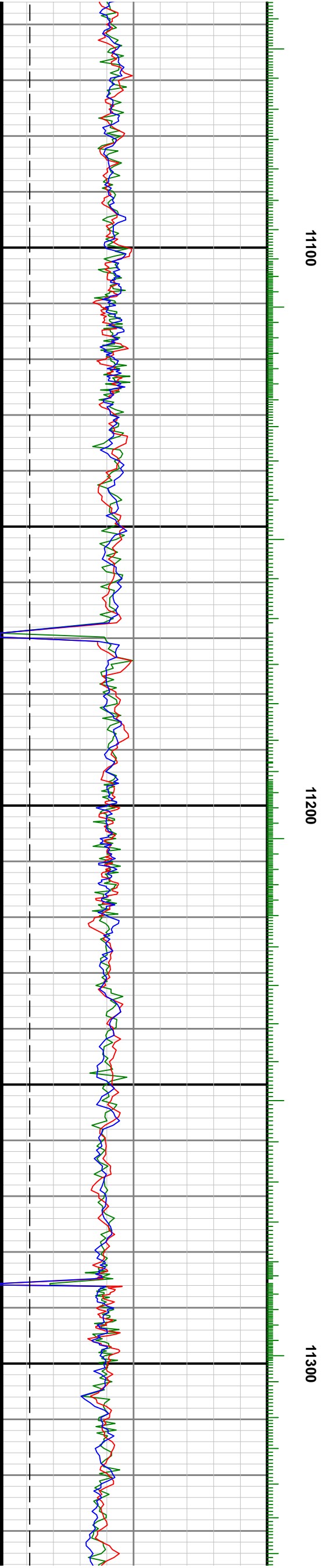
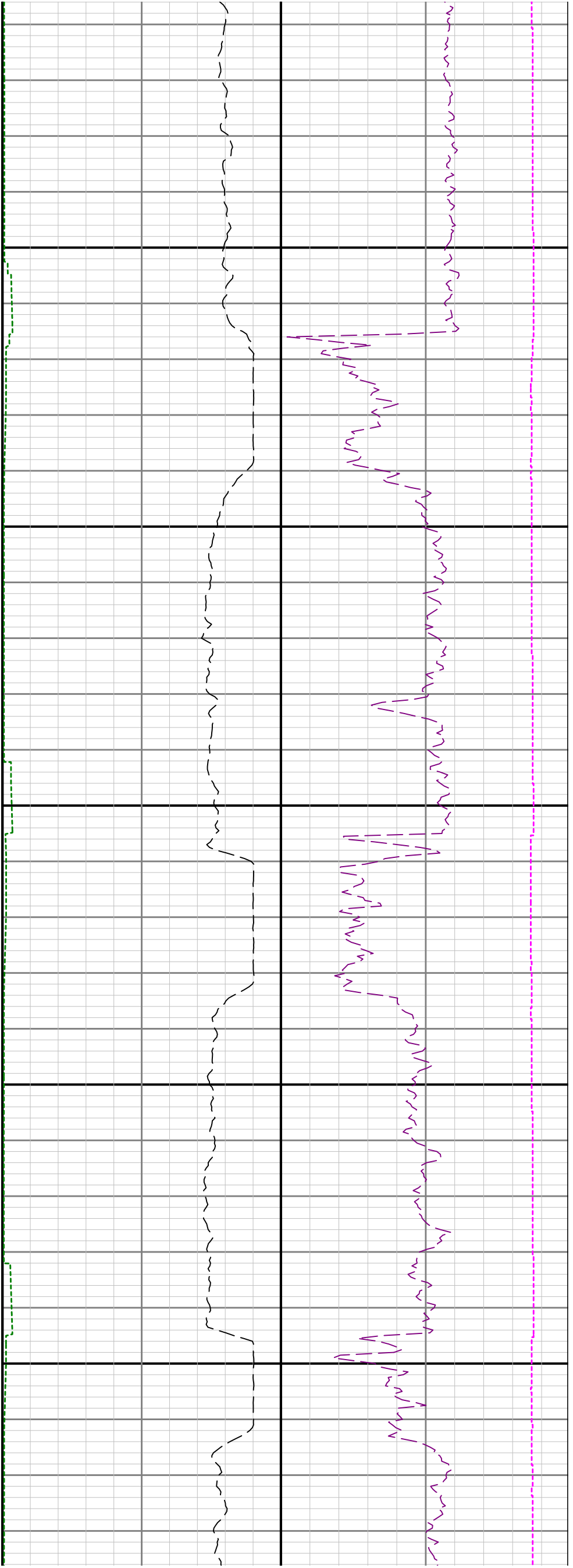
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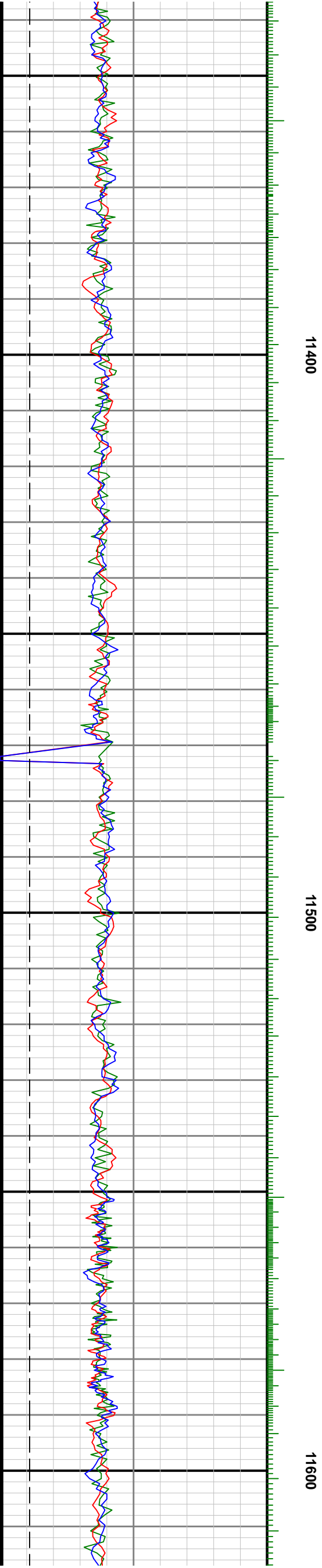
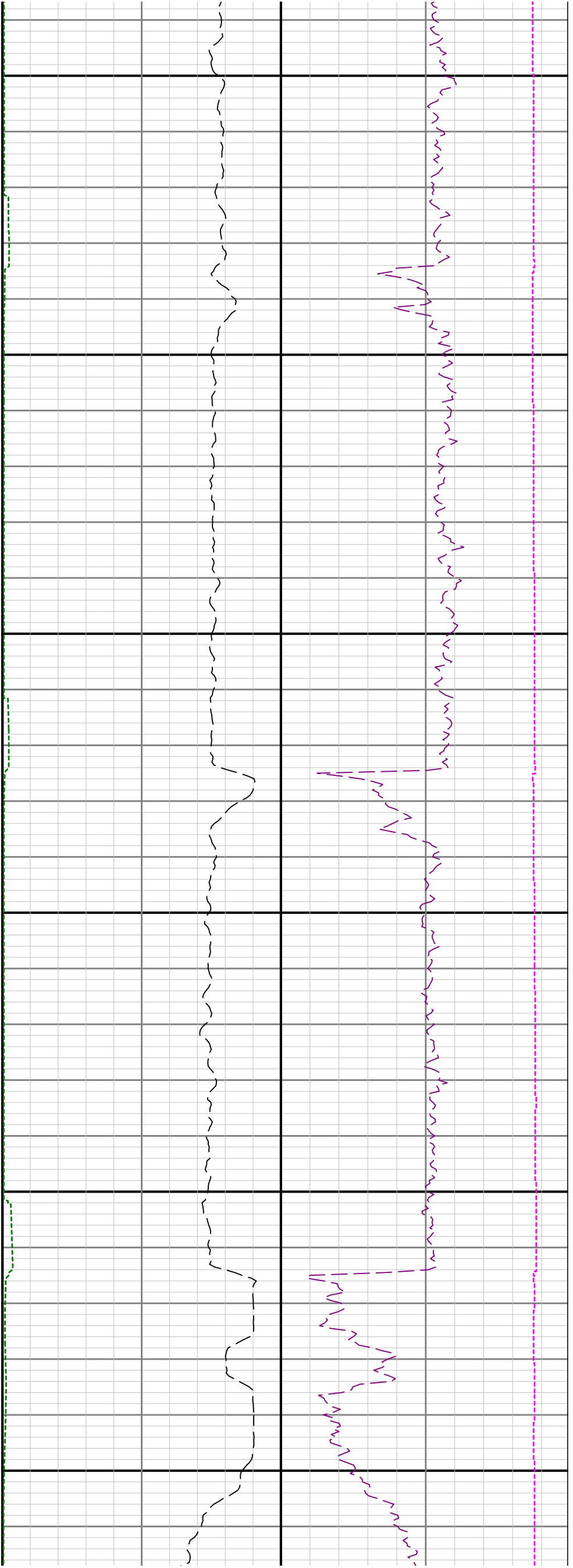
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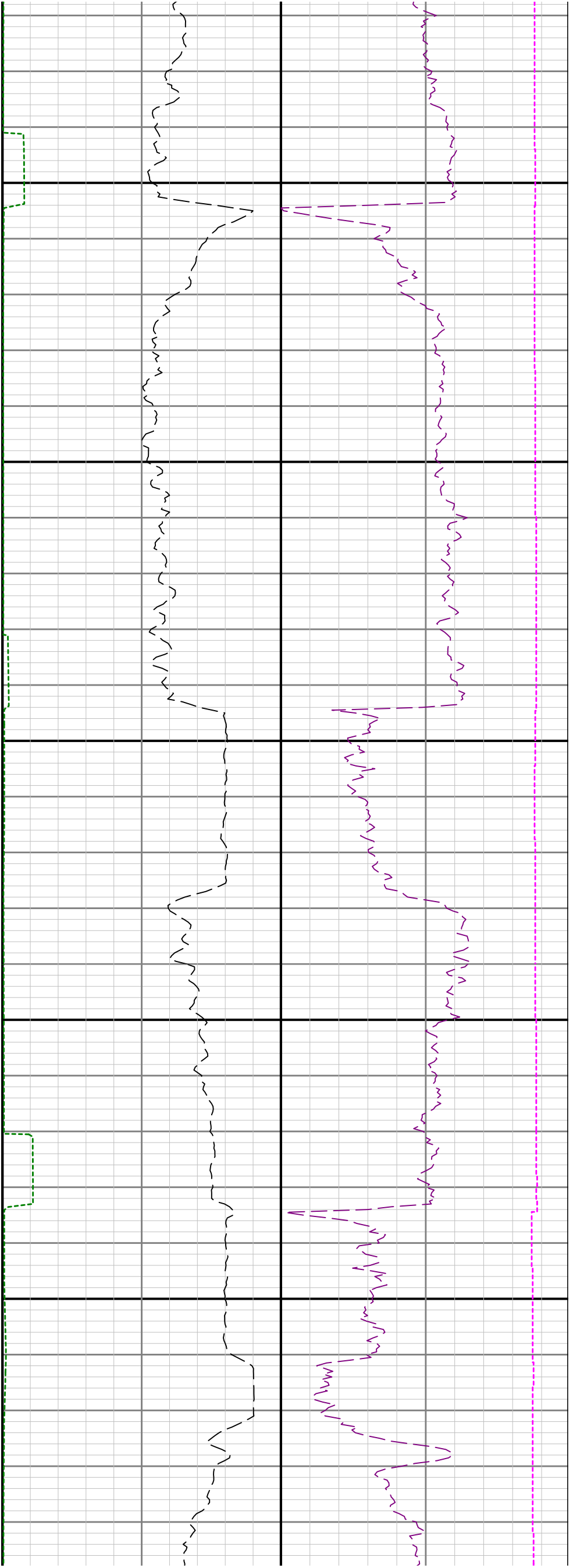








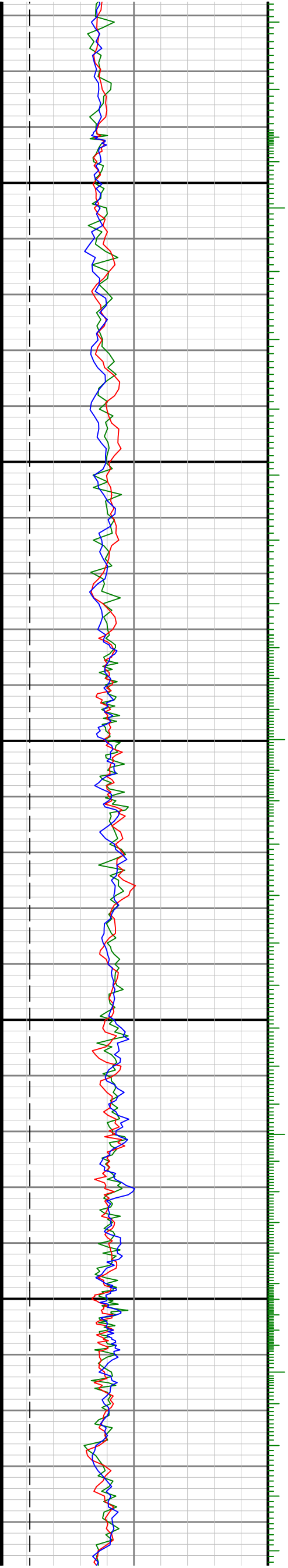


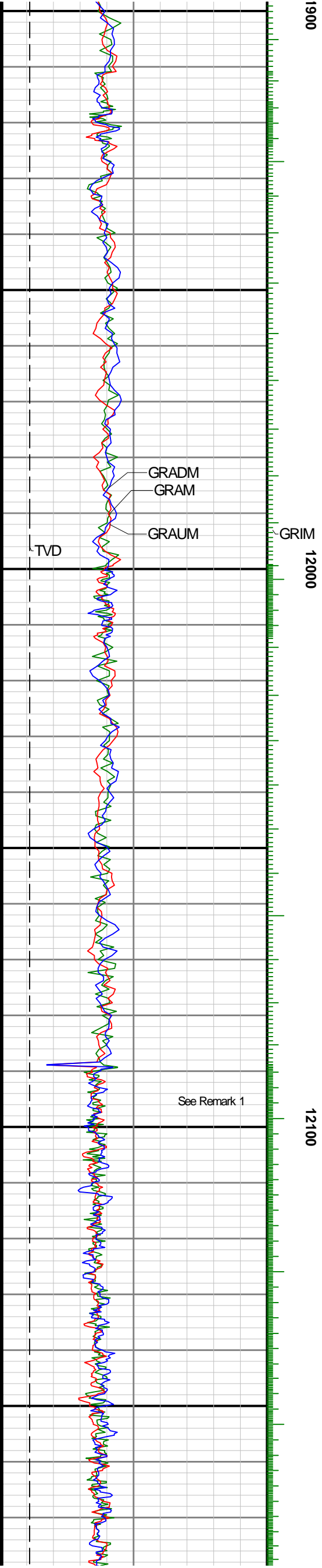
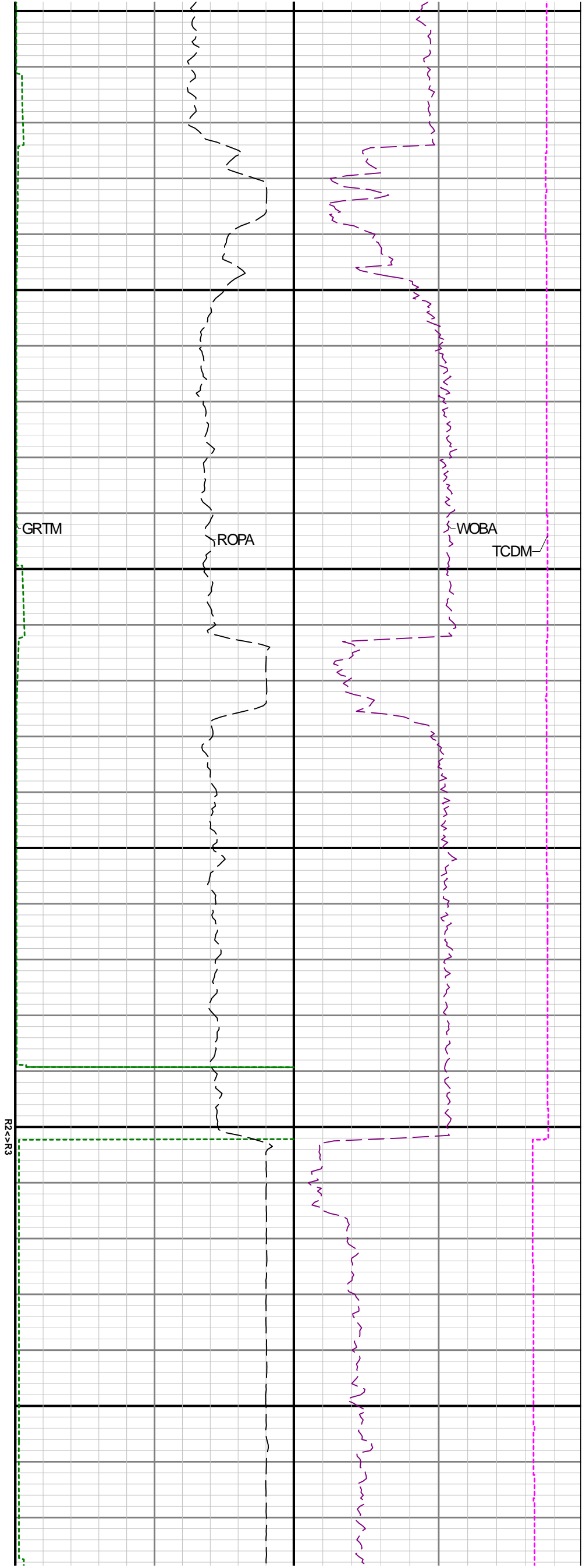


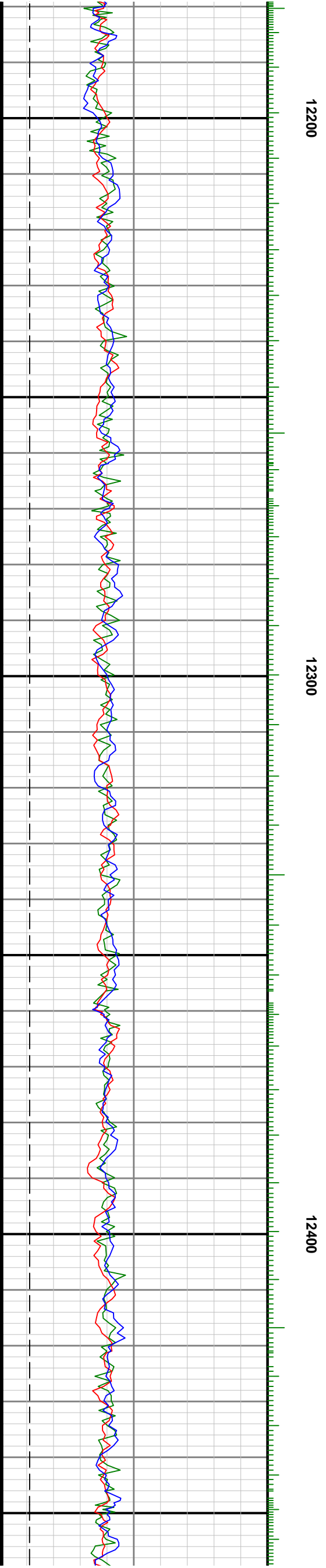
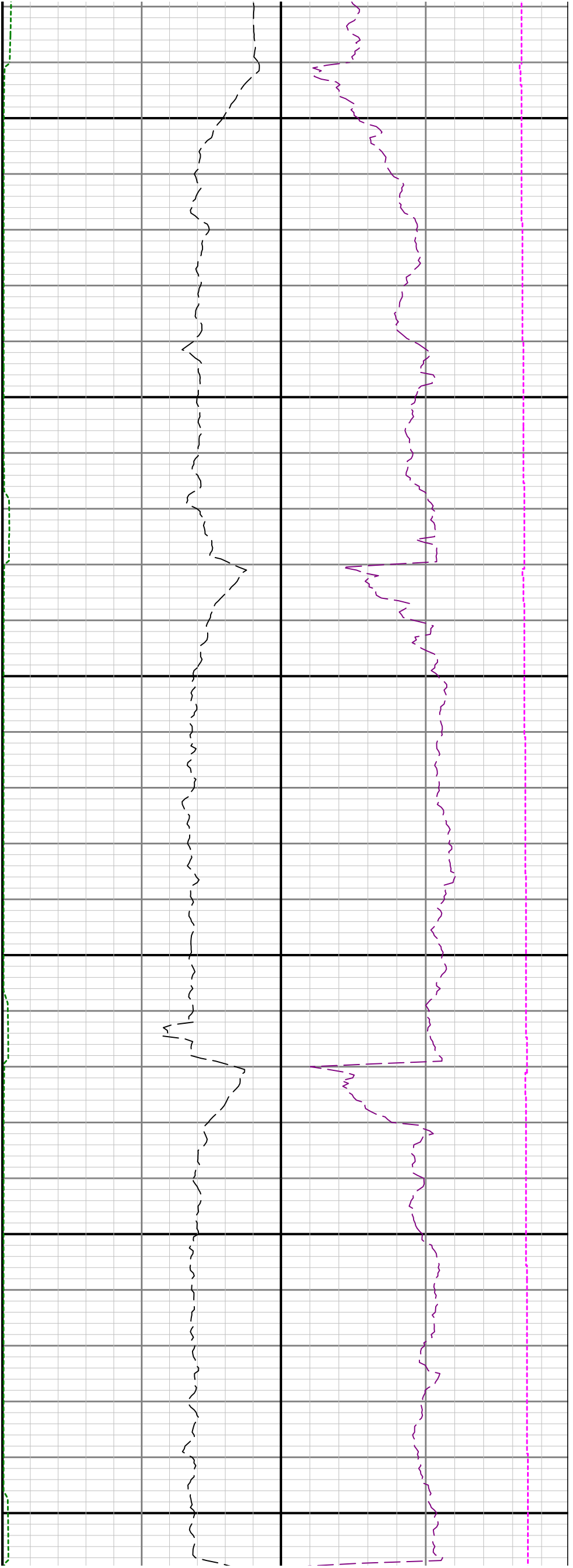
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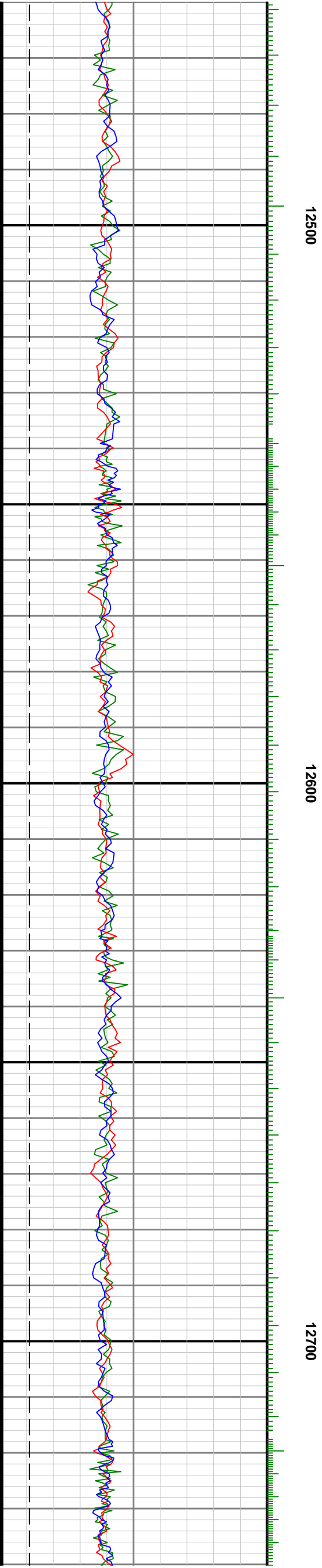
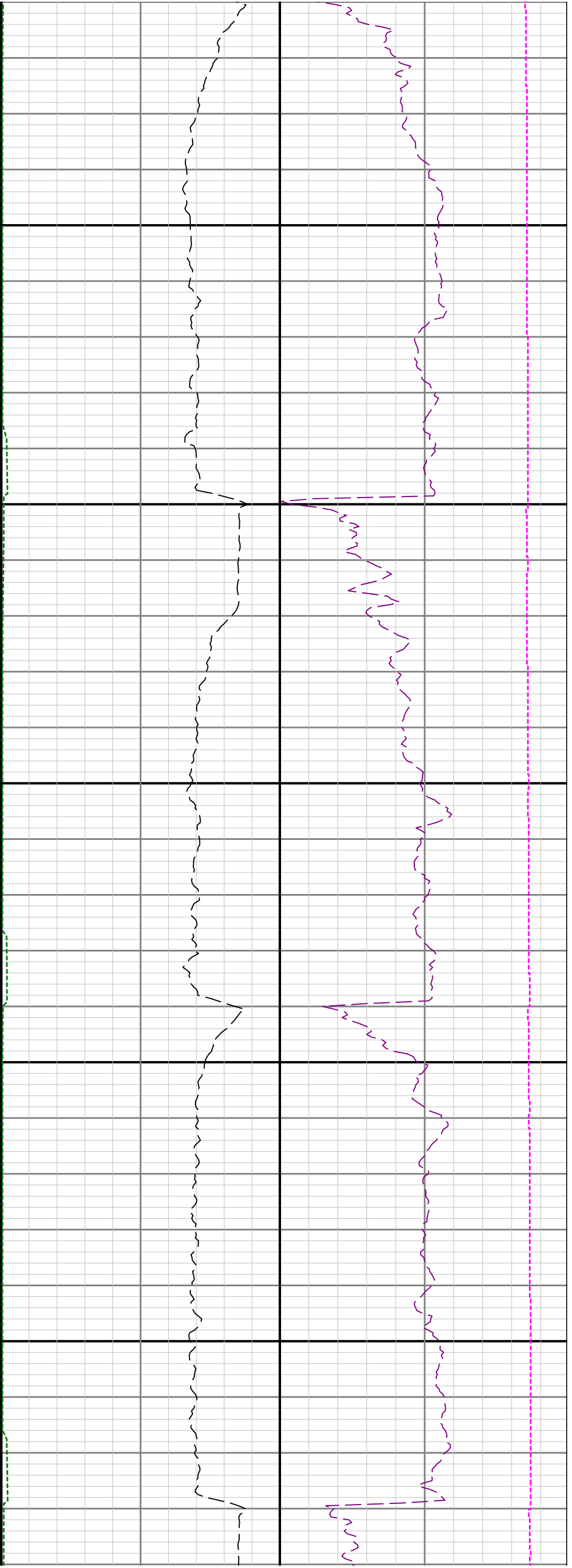
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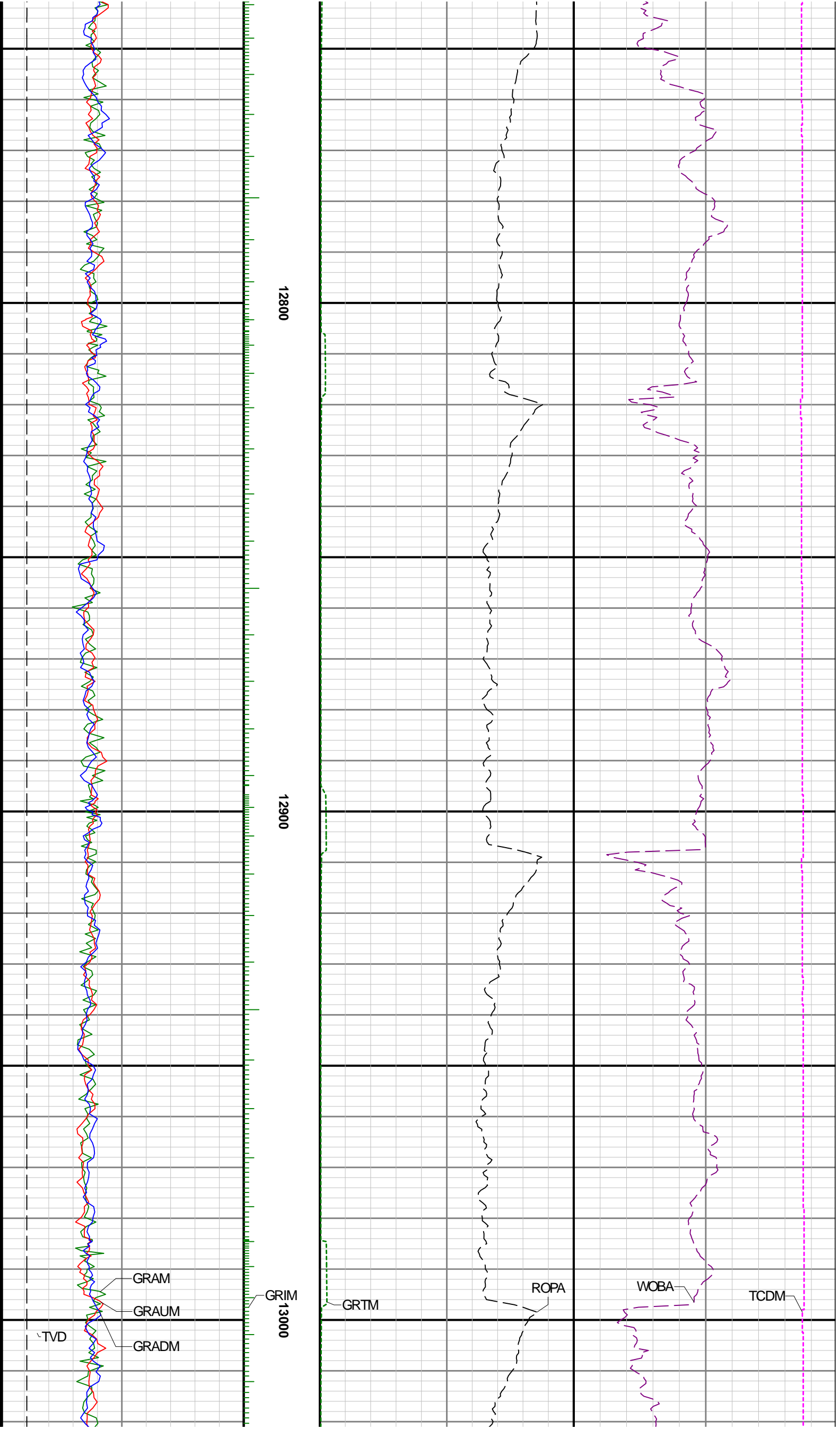


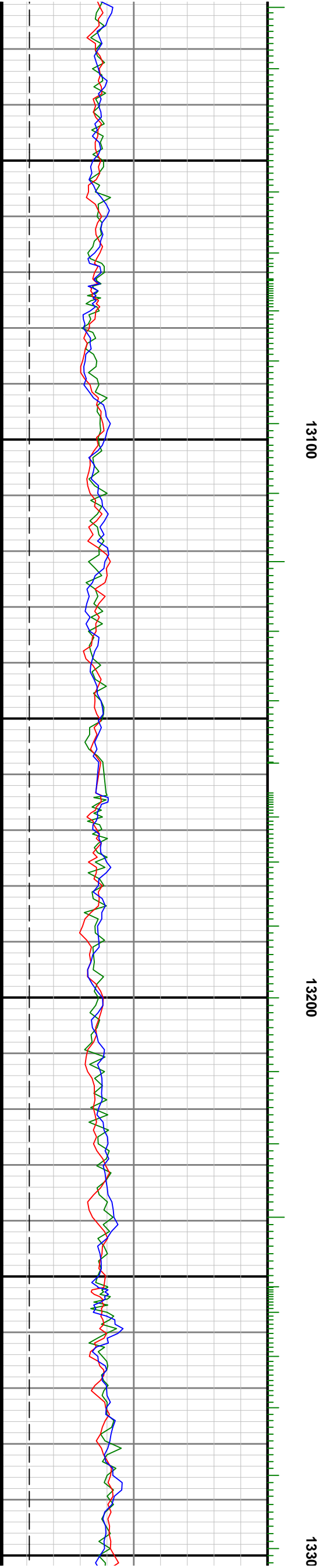
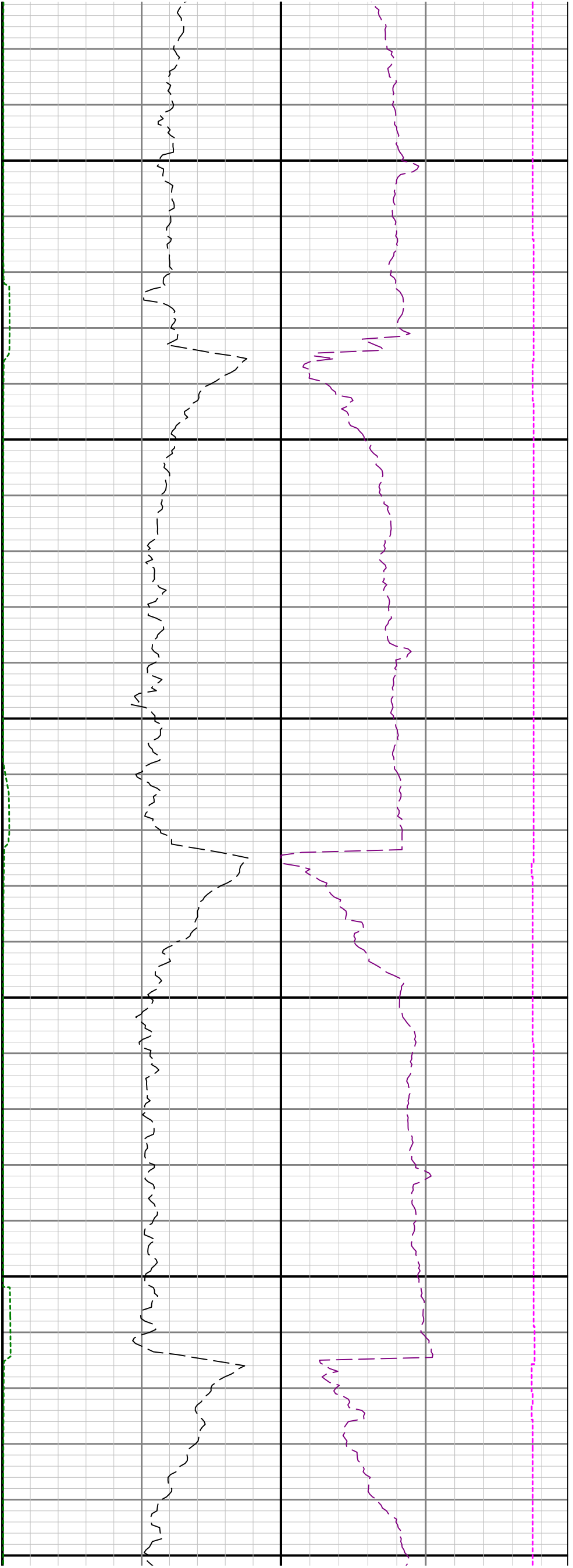


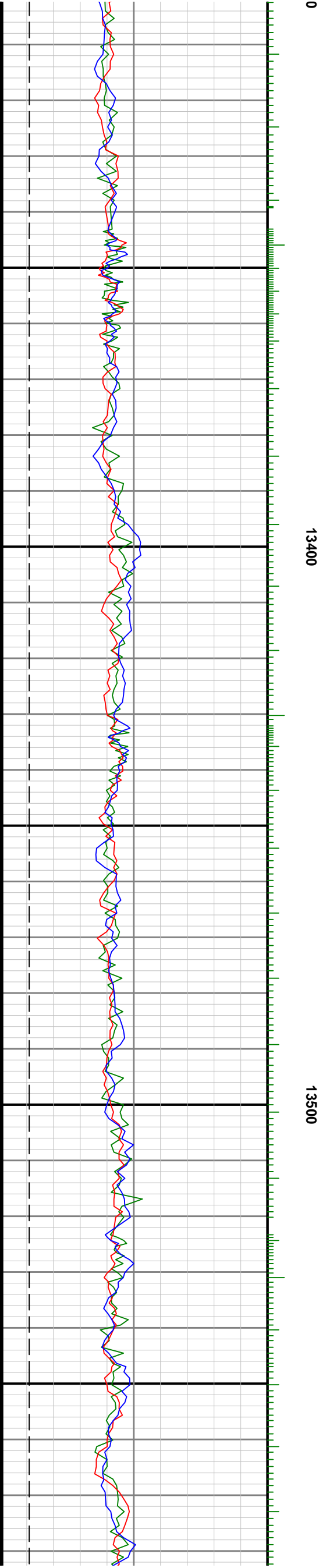
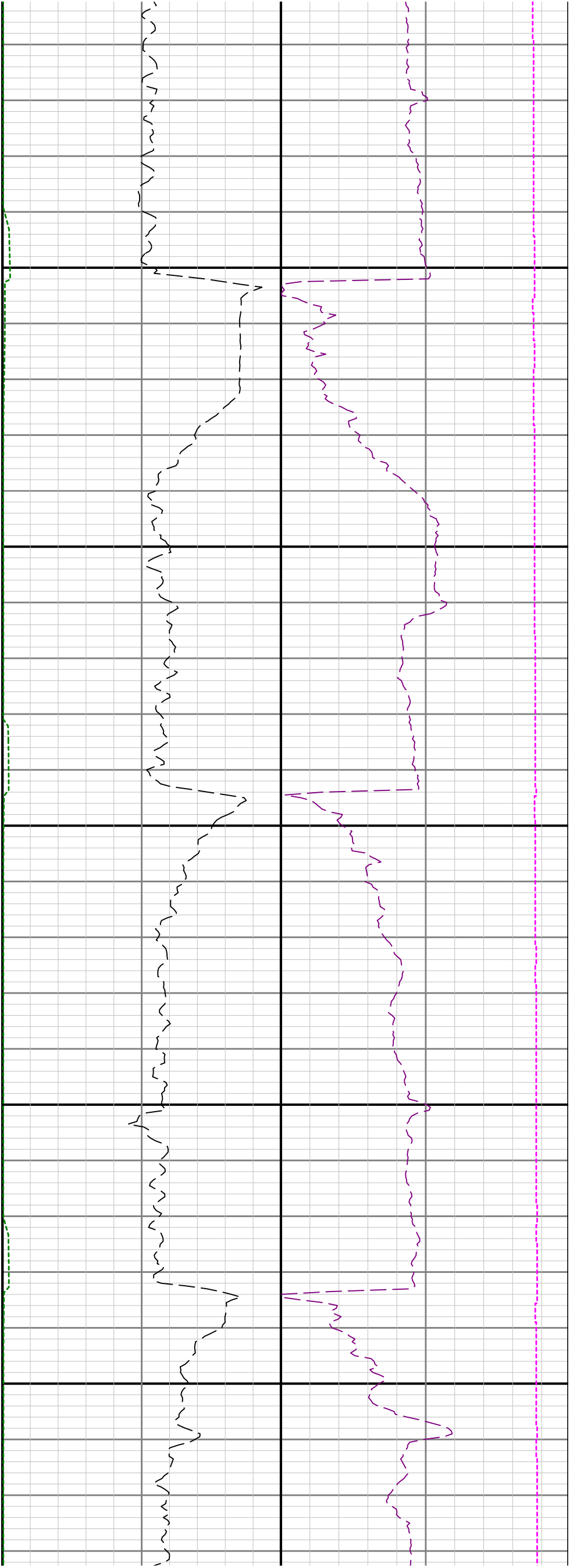


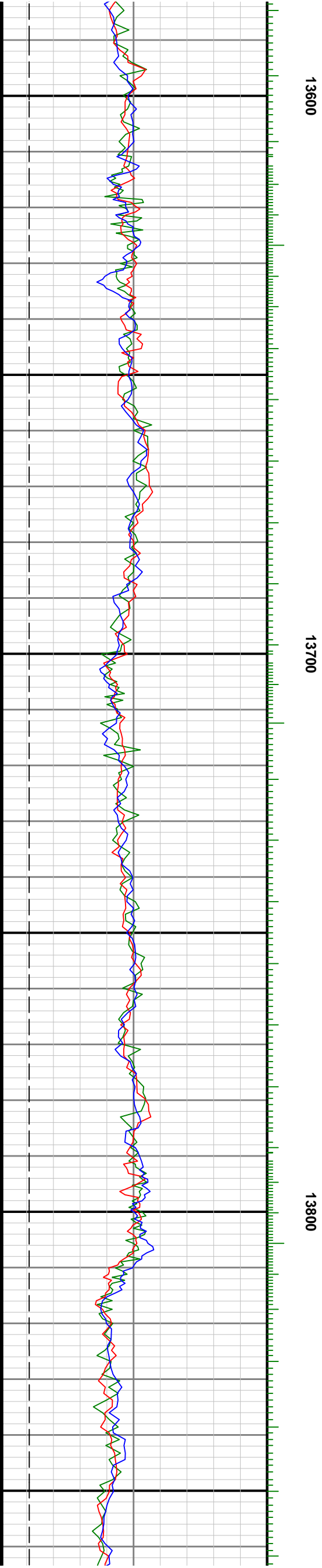
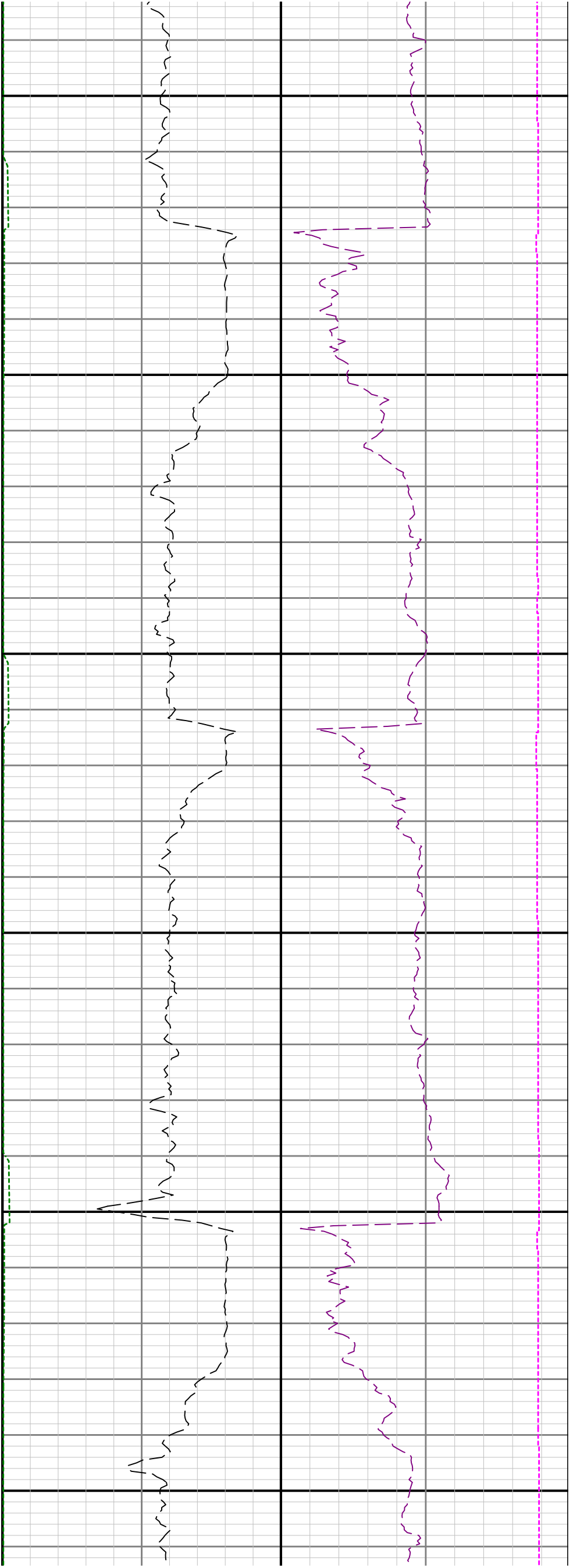


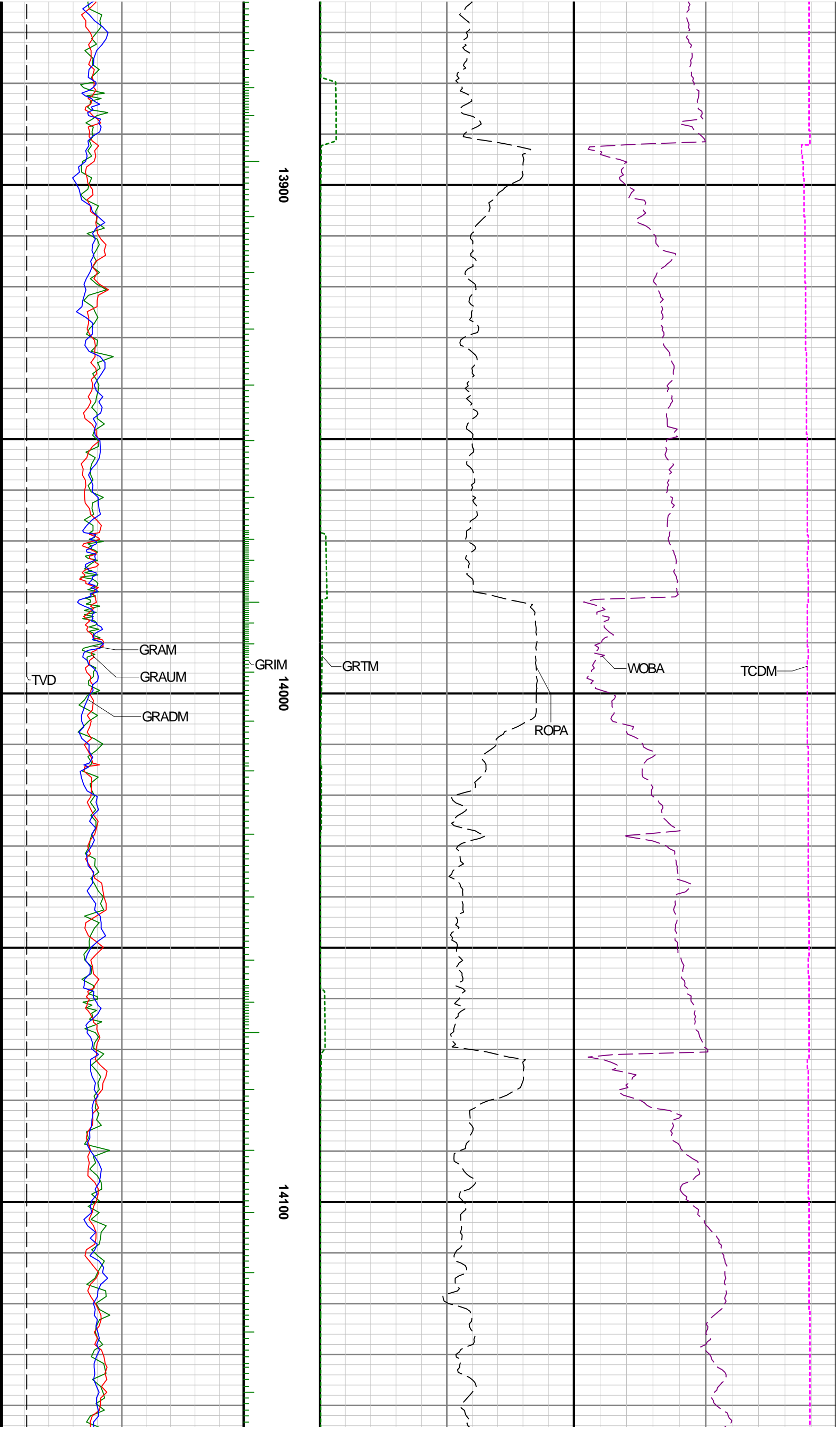


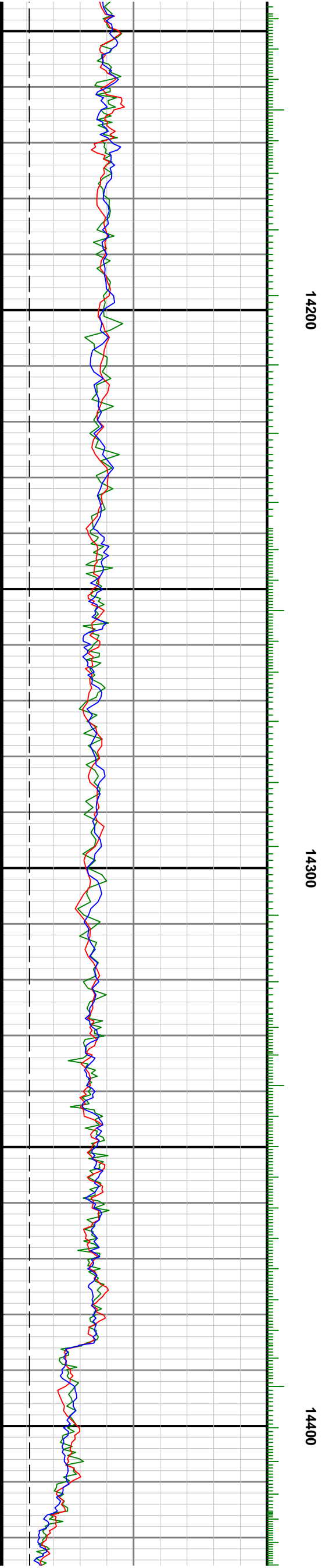
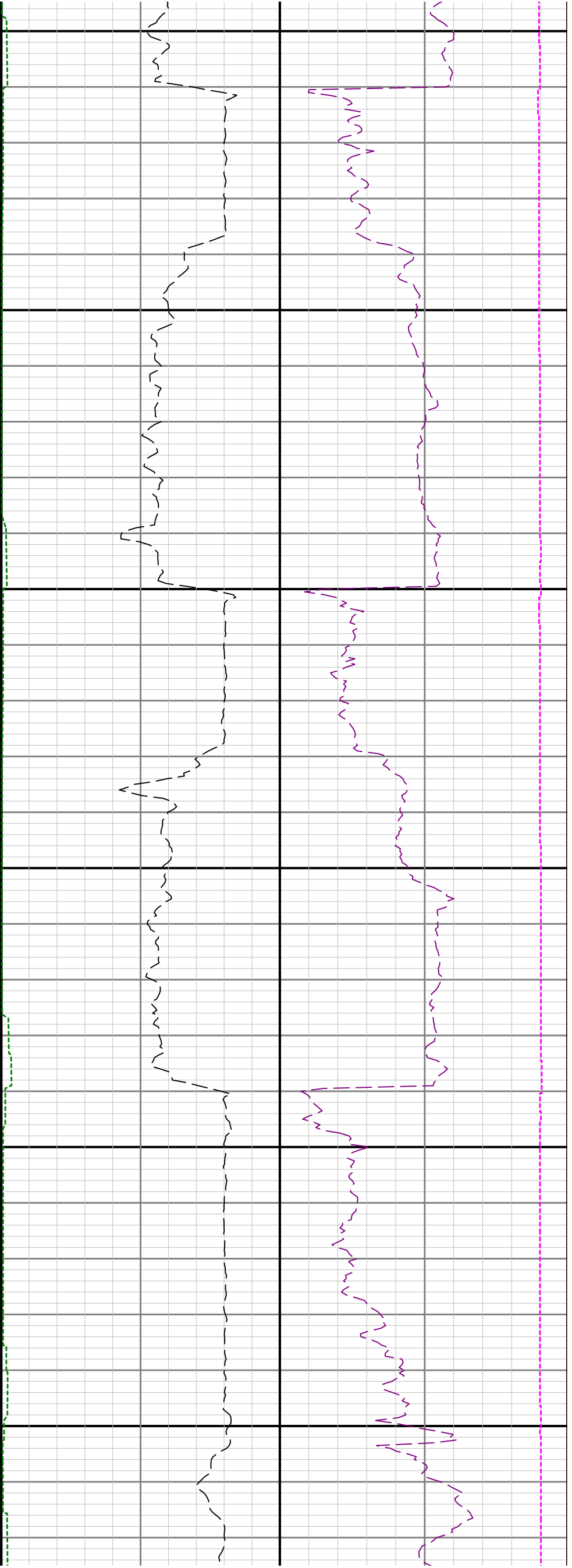


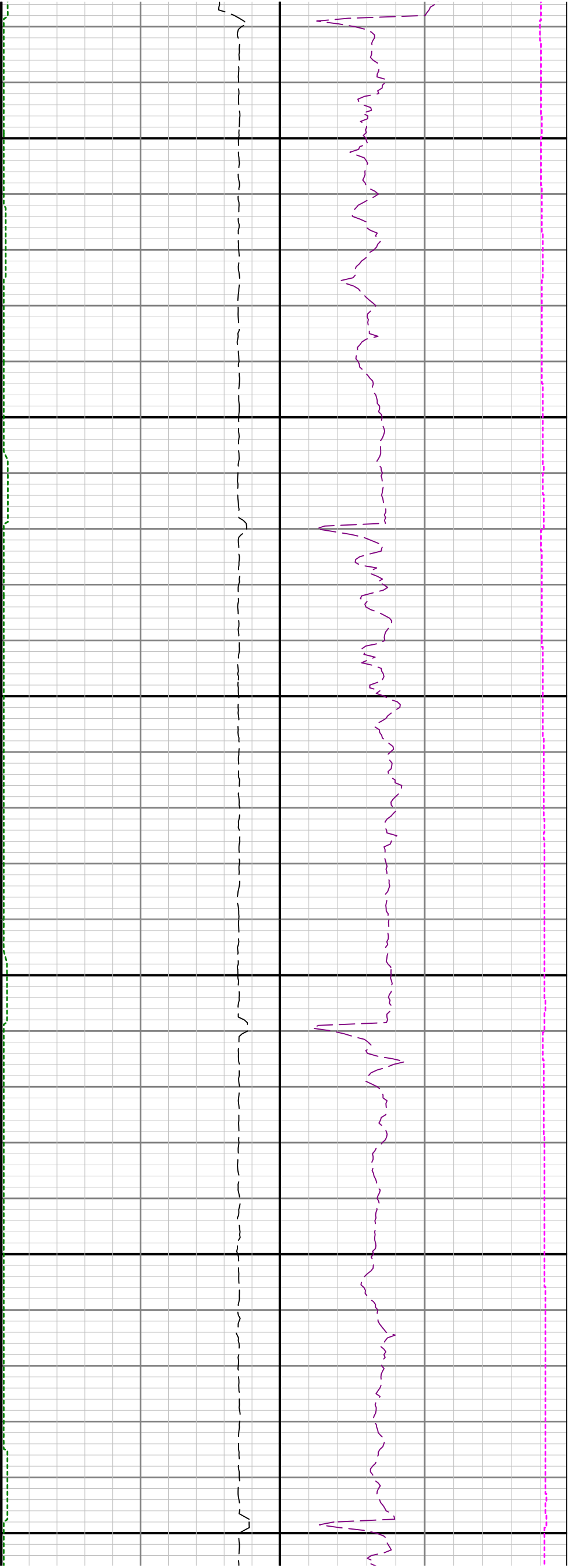








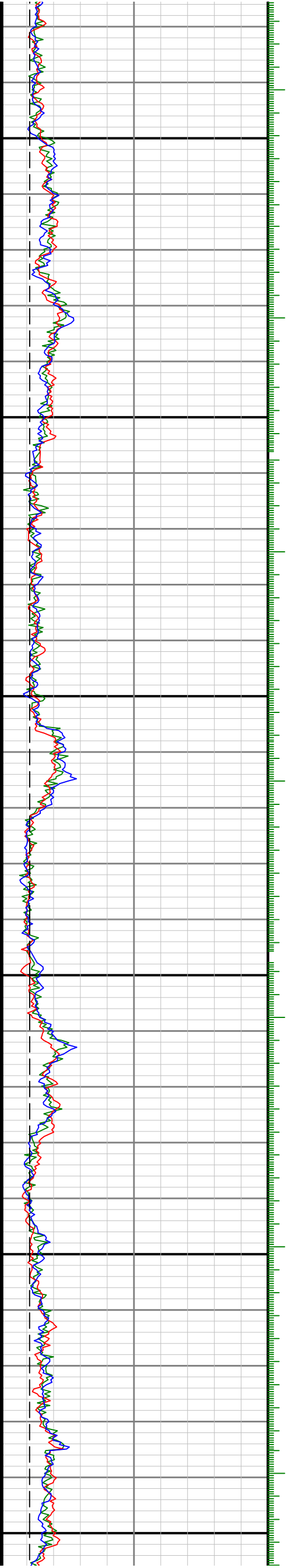




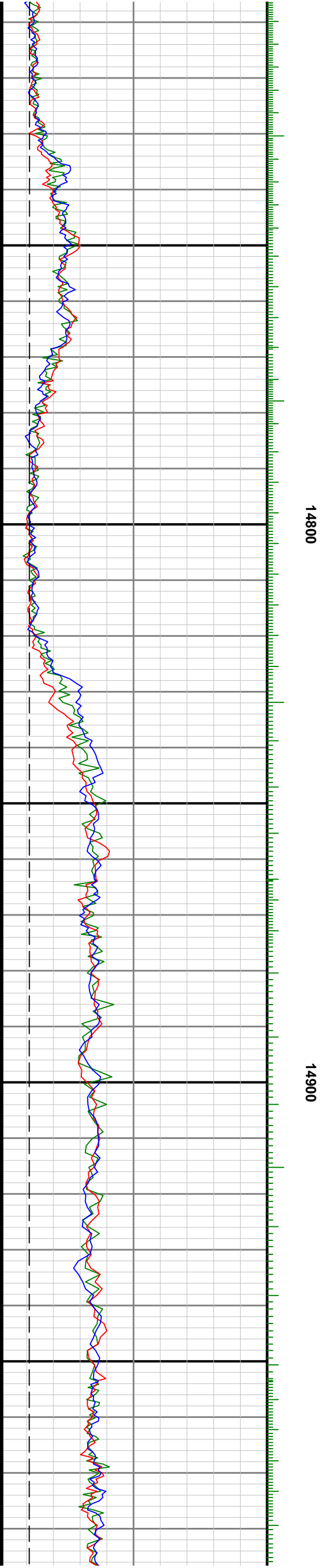
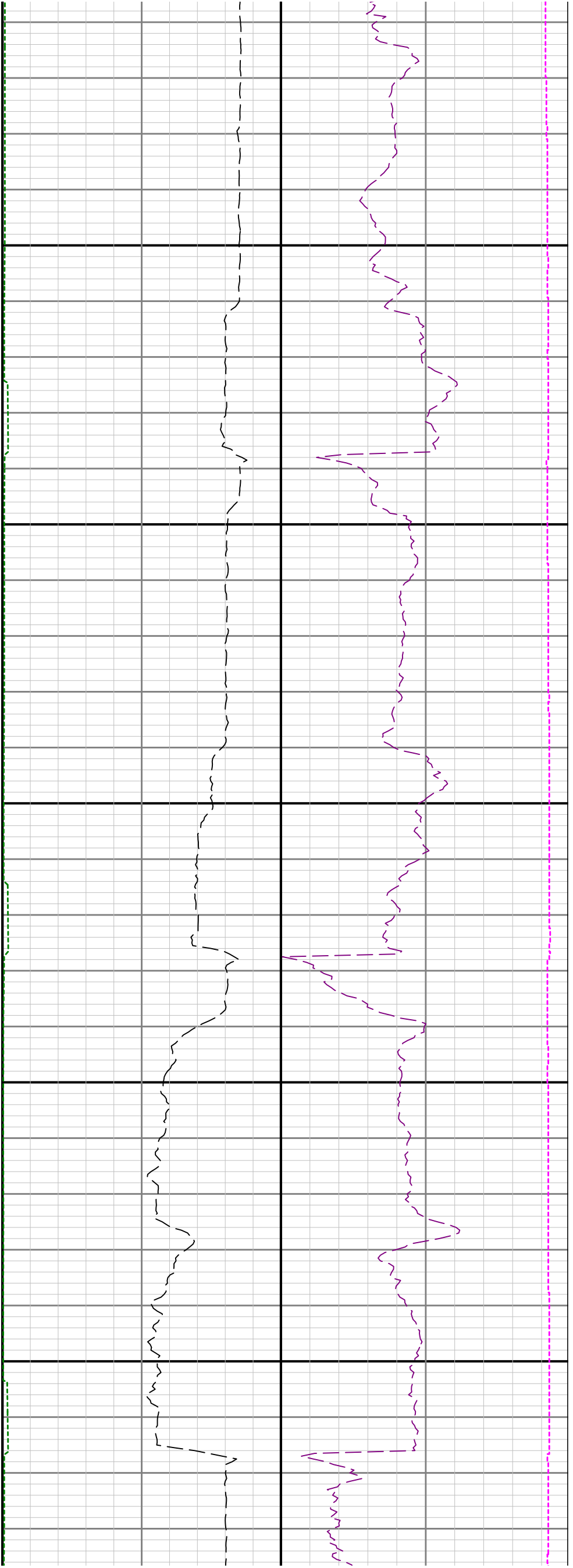
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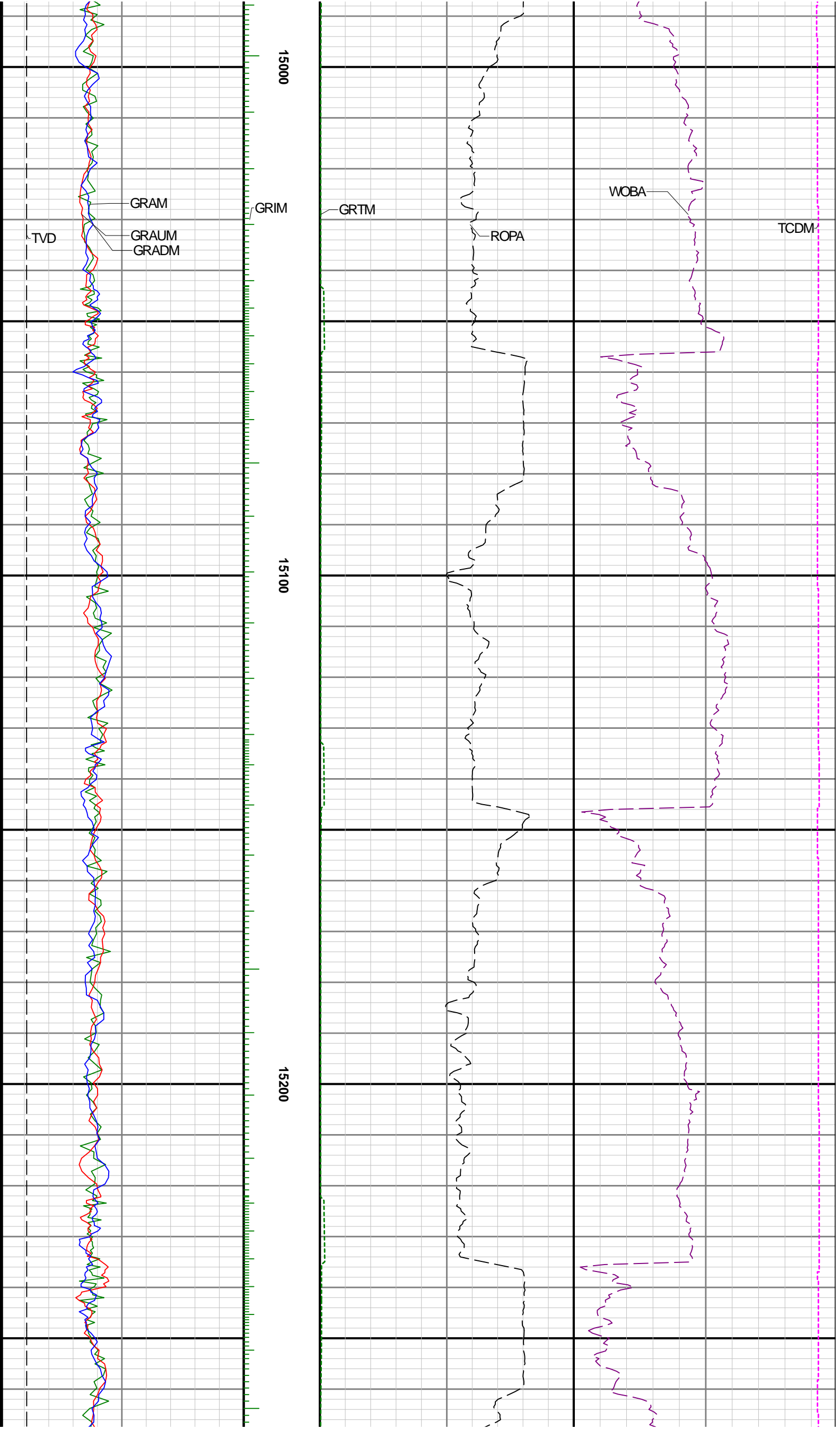
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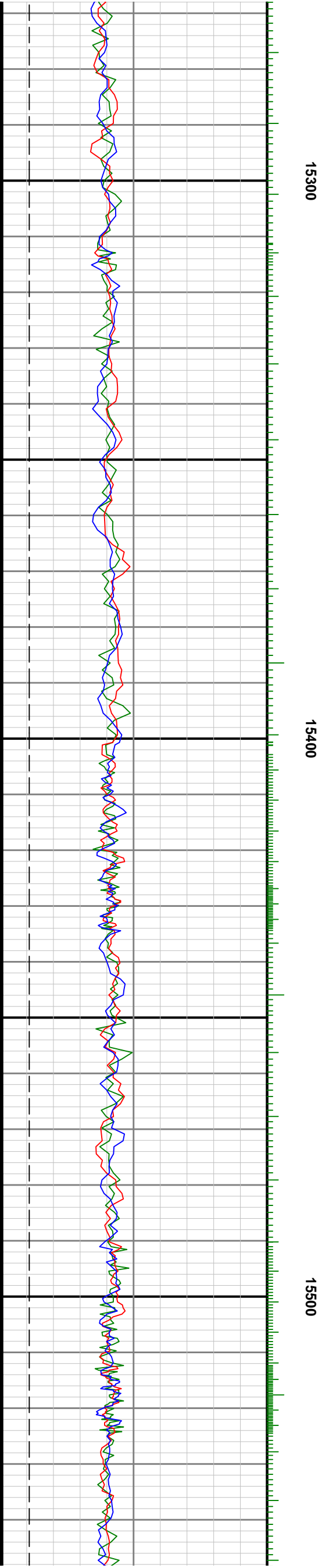
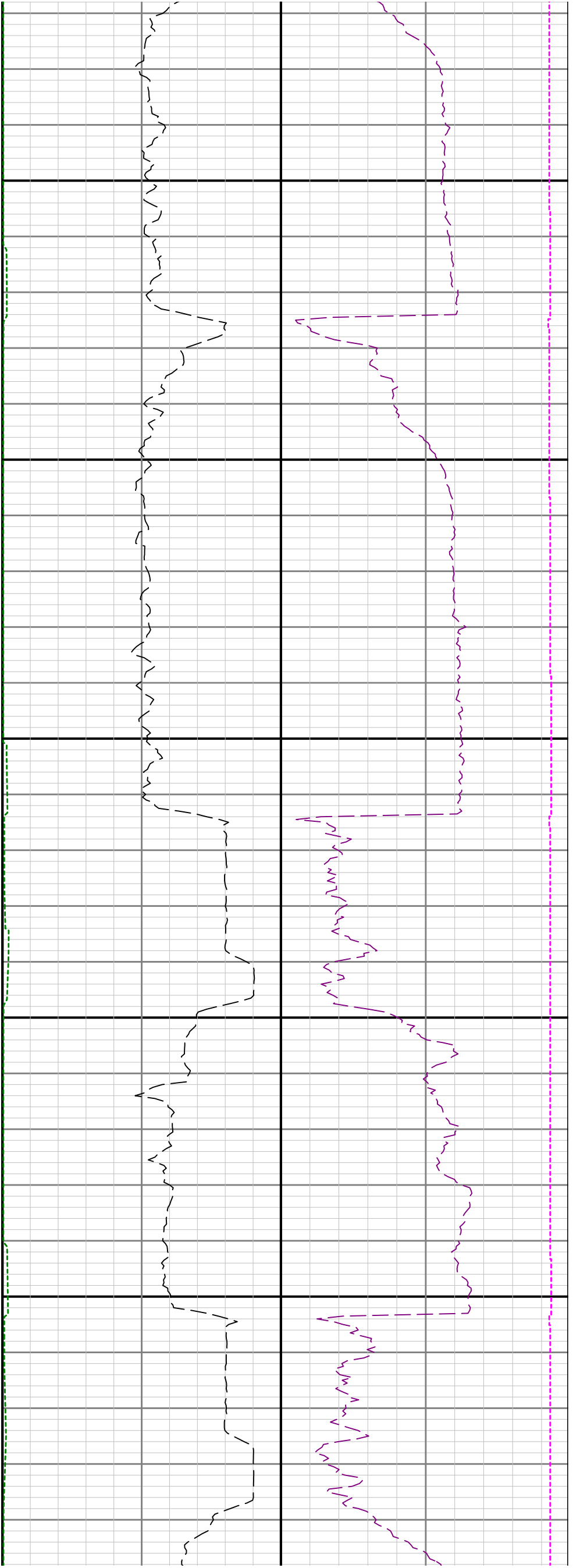
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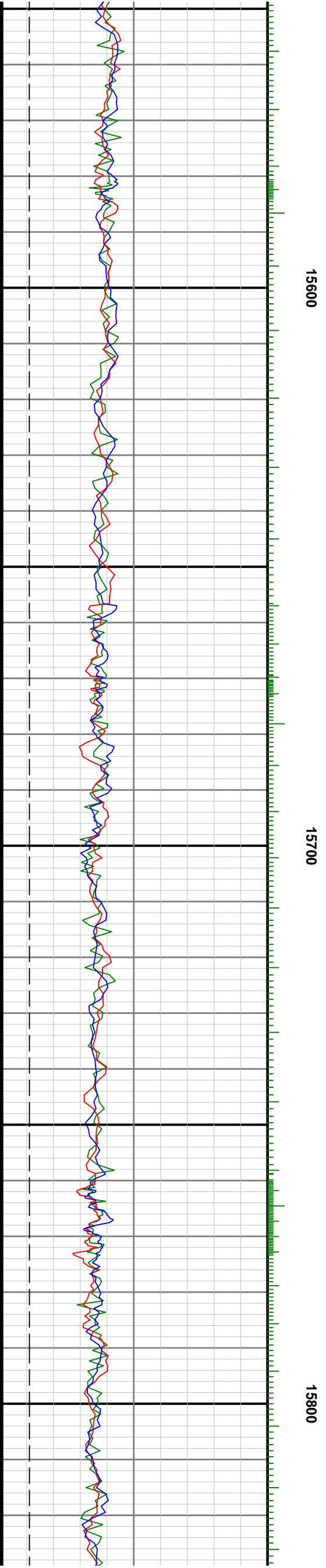
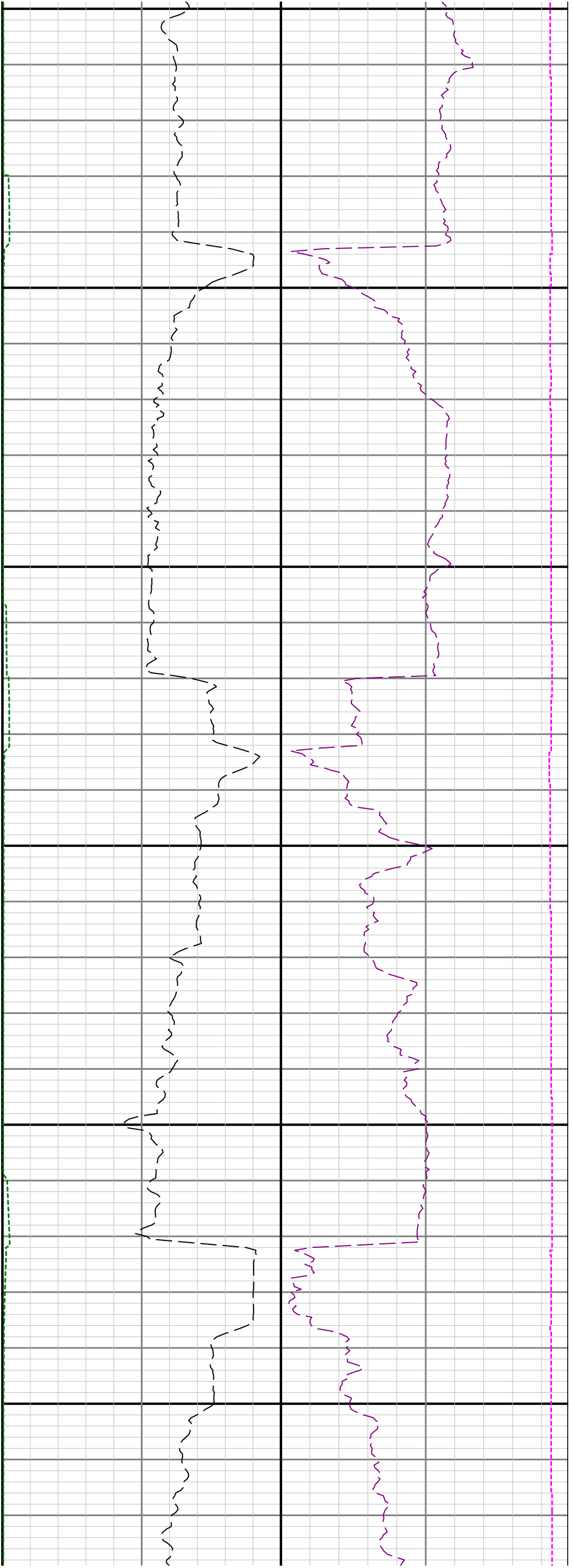


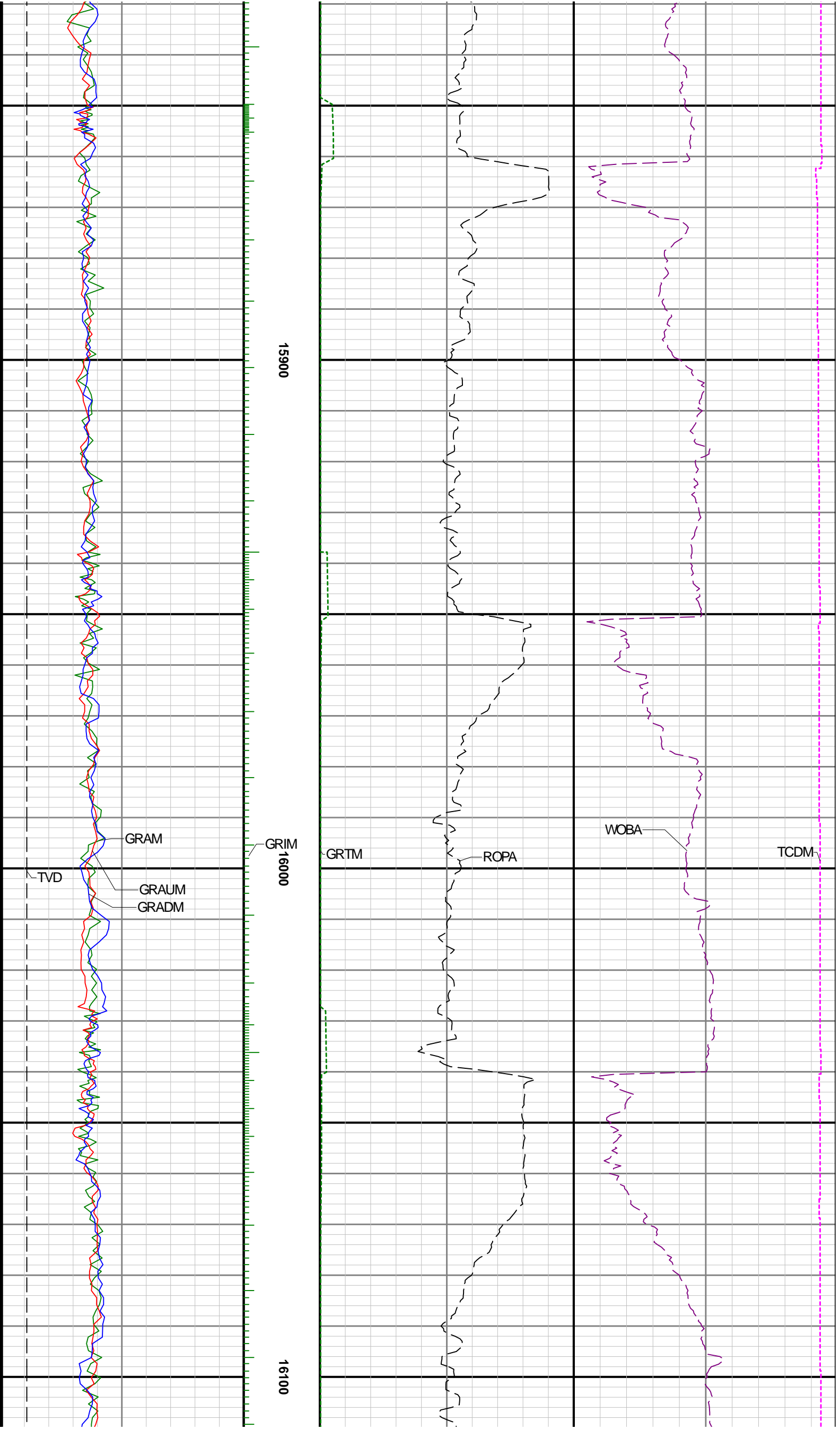


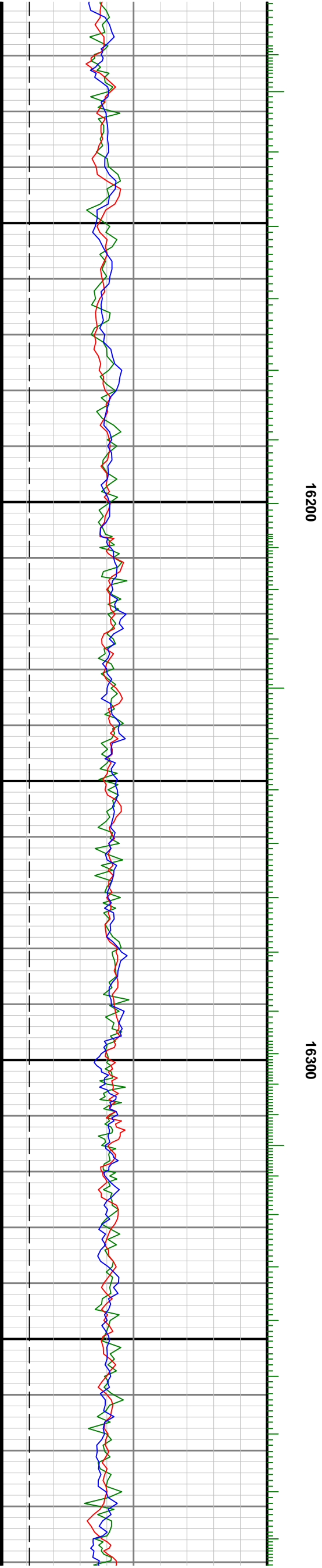
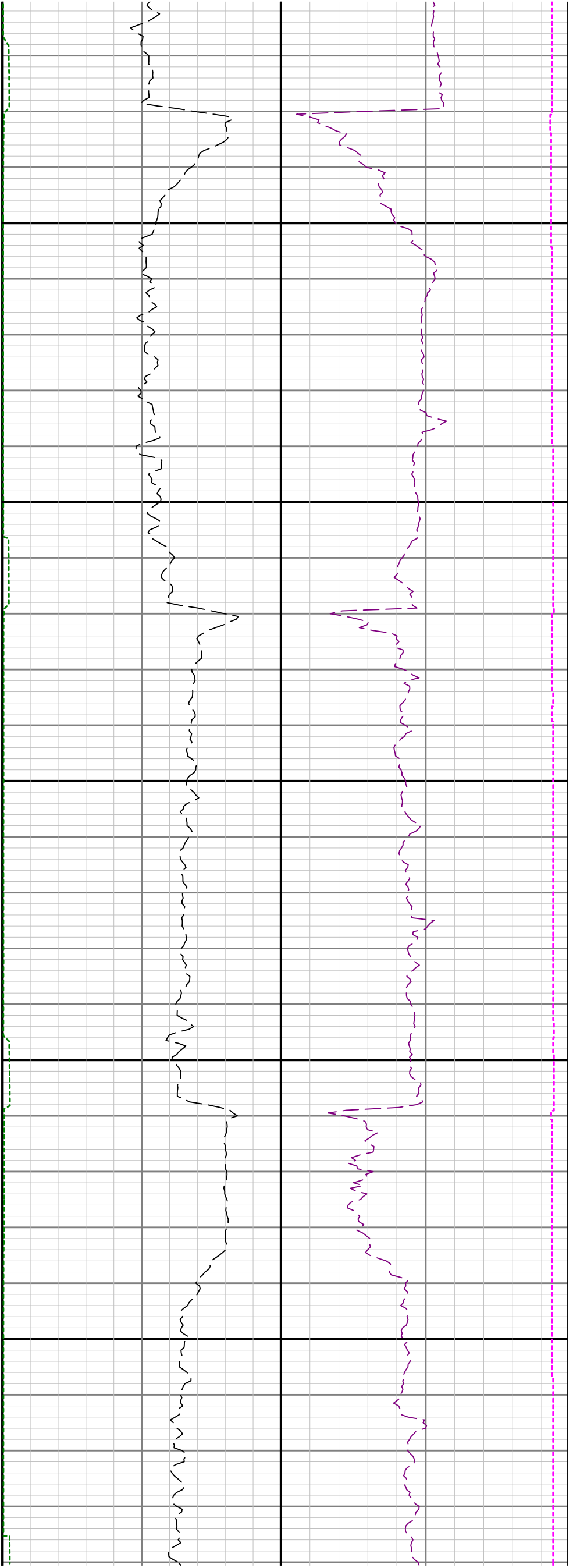


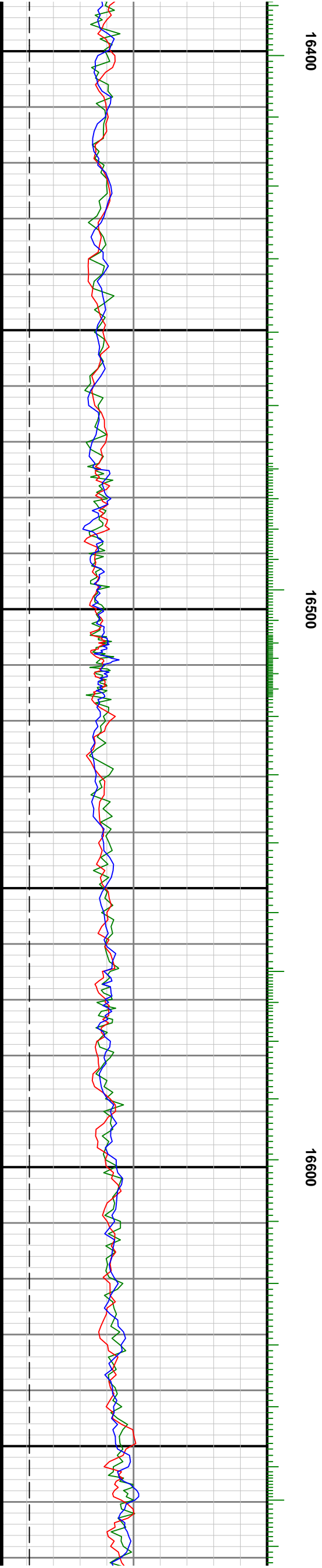
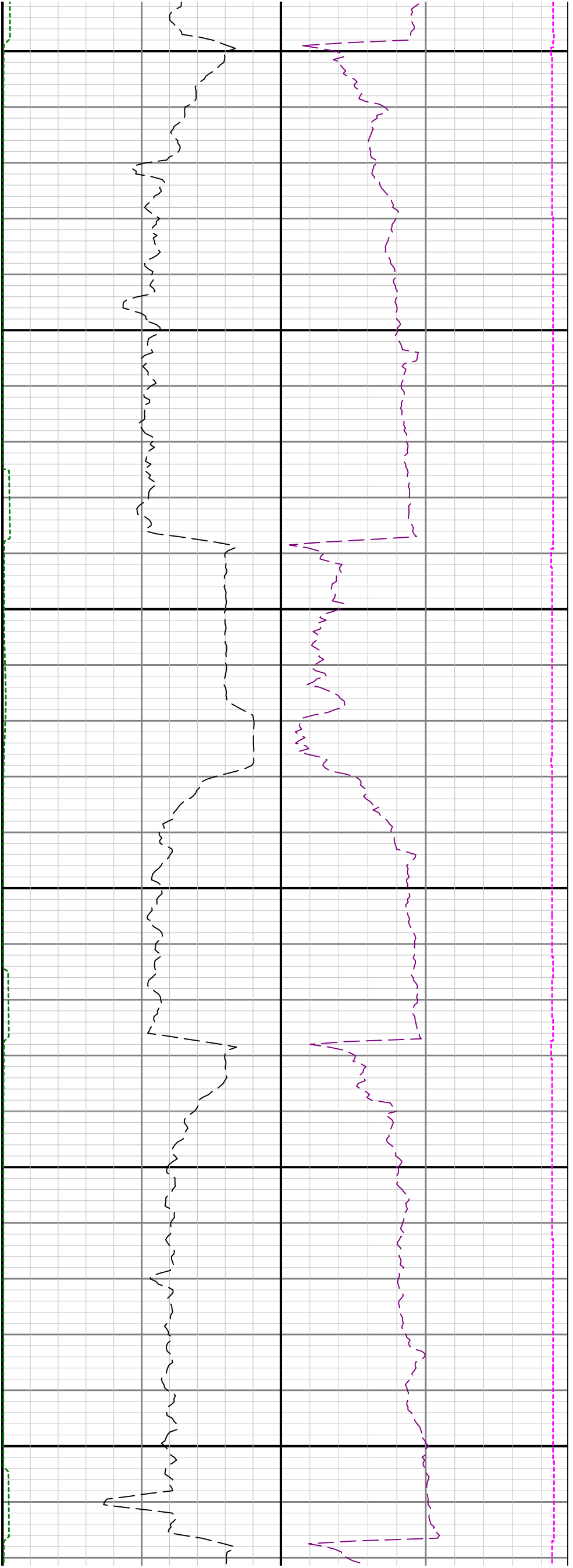


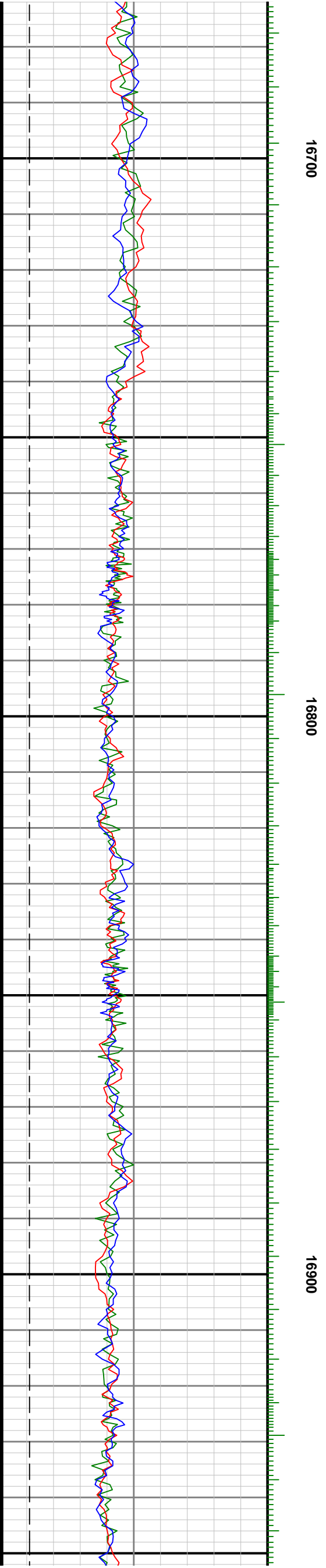
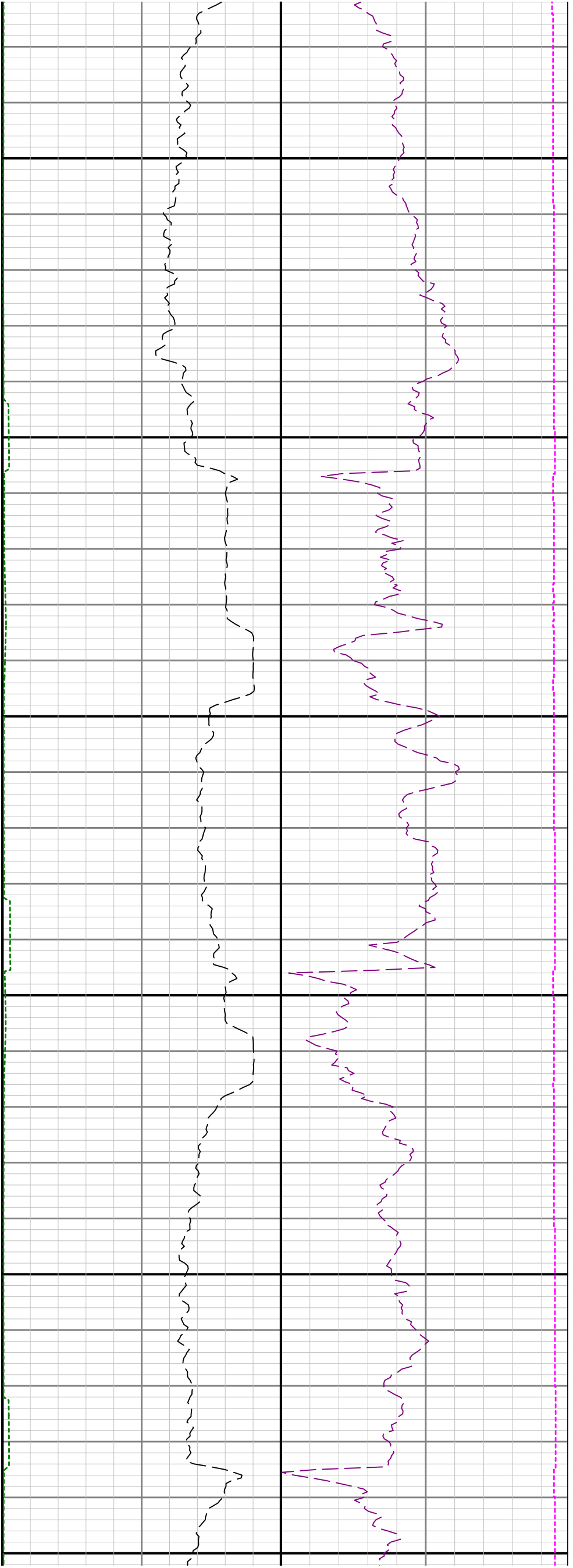




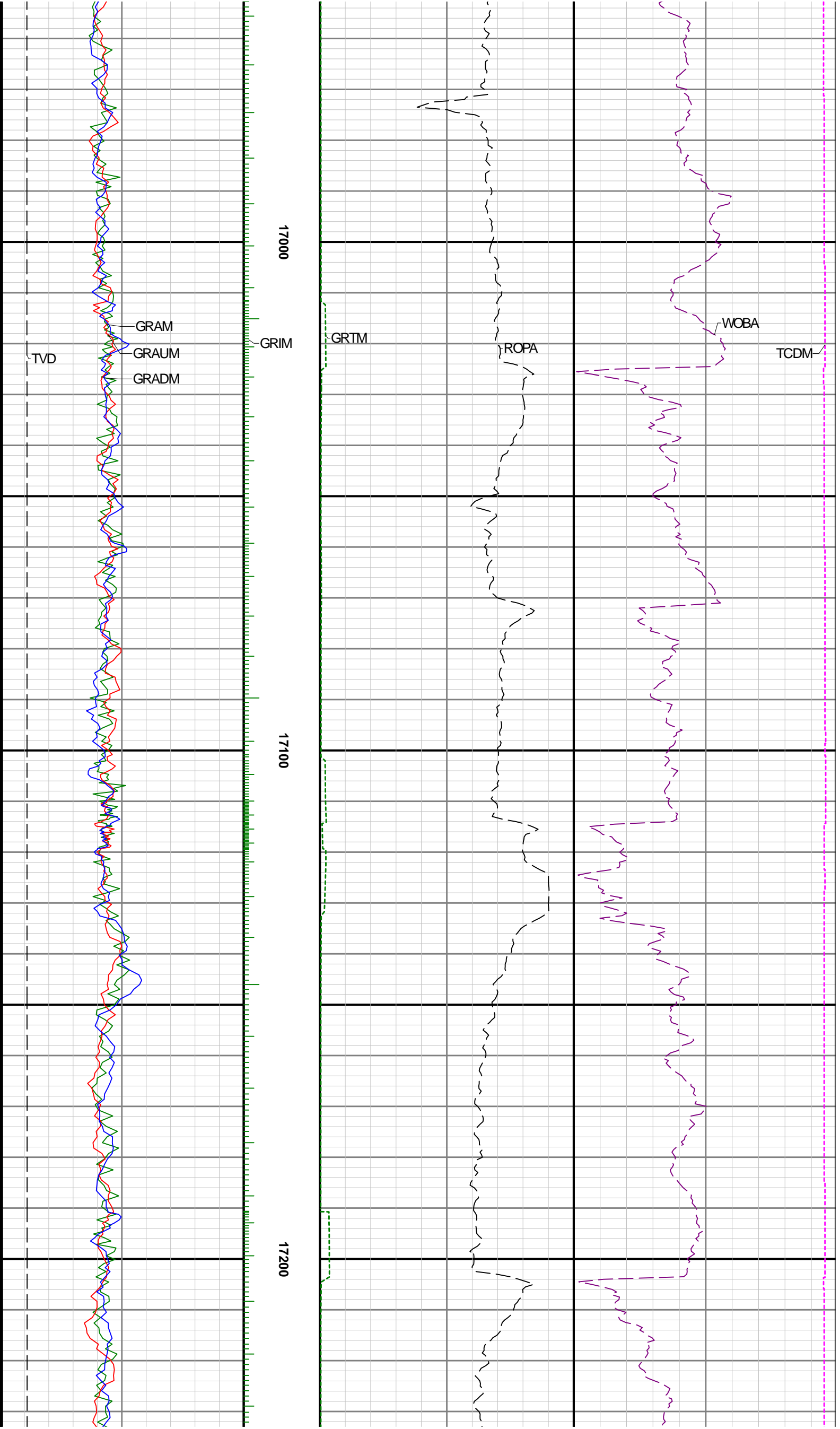


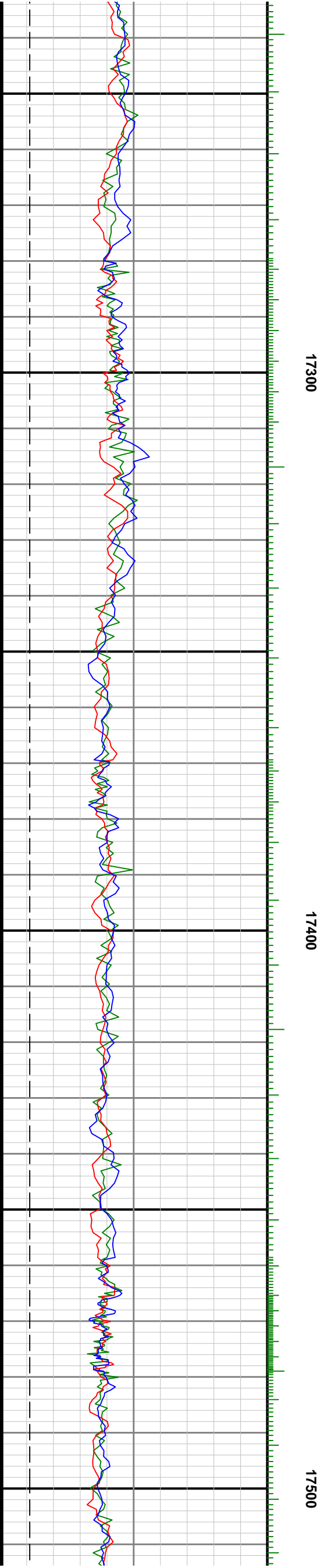
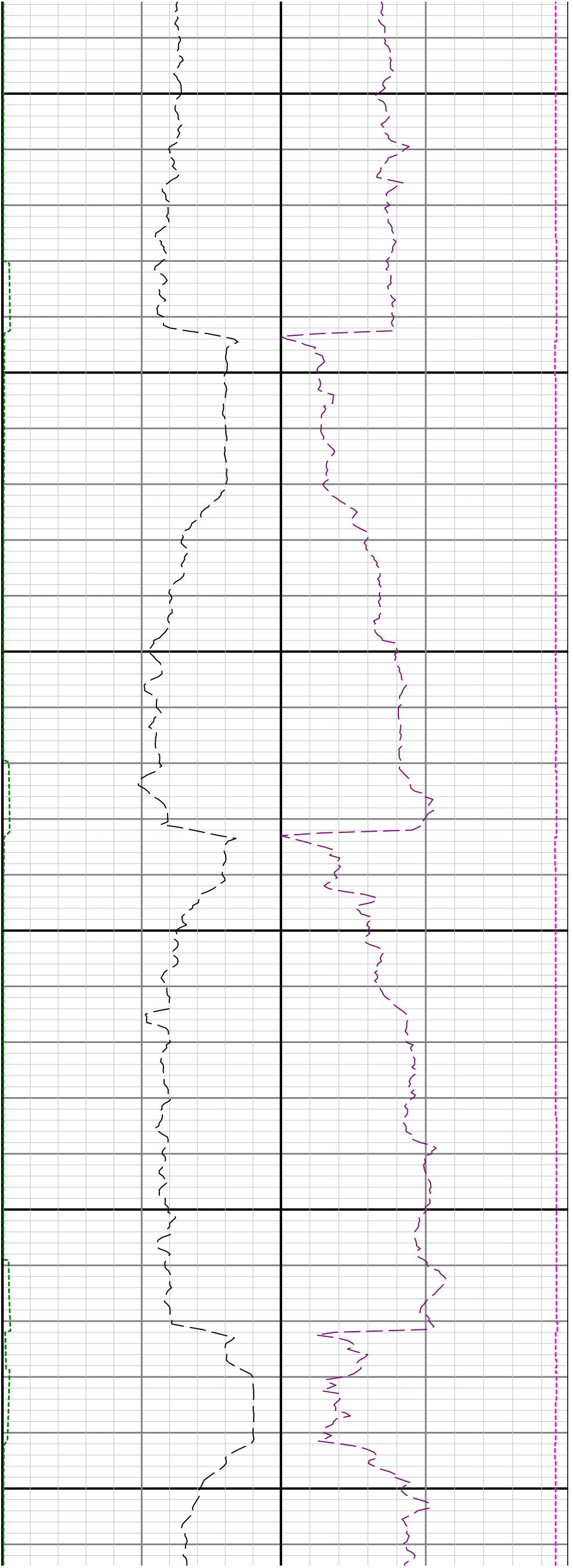


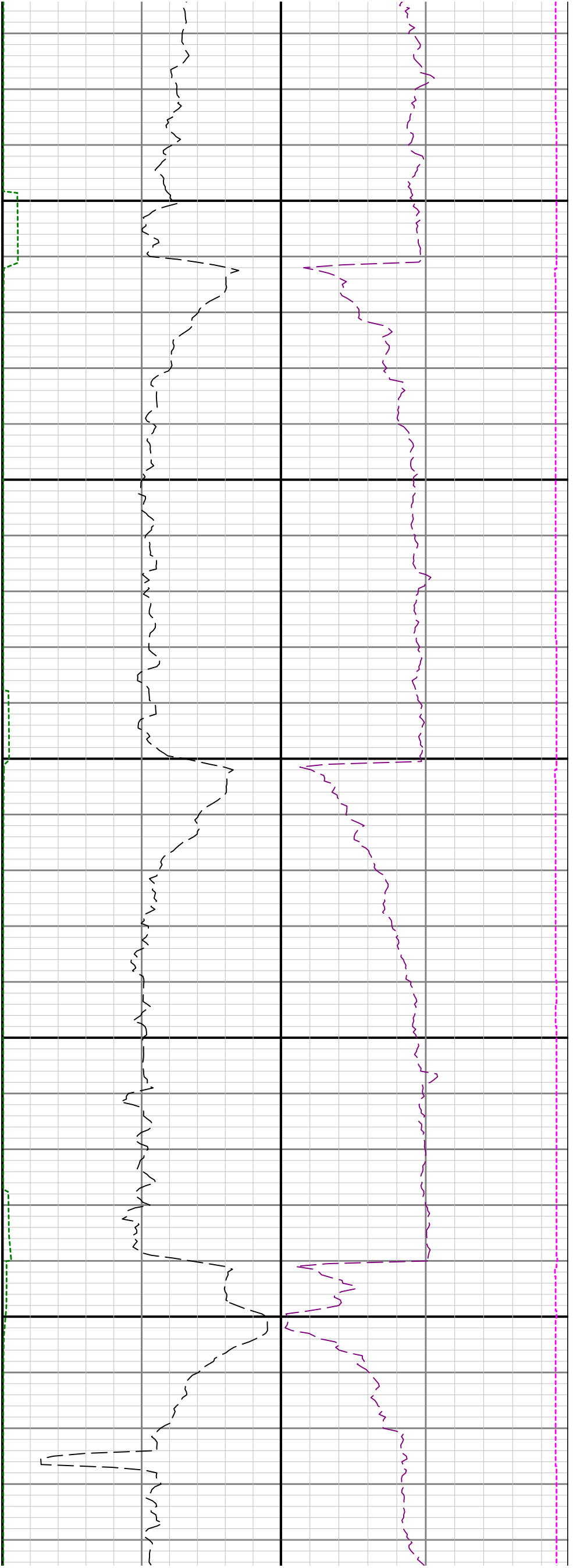












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