


LWD REALTIME LOG											
<div><div><div>BAKER HUGHES</div><div>a GE company</div></div><div></div></div>				Gamma Ray							
Scale:		Company: Great Western									
1:240		Well: OTTESSEN LE 06-290HN									
Measured Depth		Field: Weld County									
Depth Reference:		County:		Weld		Country: United States					
Driller's Depth		State:		Colorado							
Status:		Surface Location:				Other Services:					
Final Print		Latitude:				040° 00' 15.570" N					
API No: 05-123-44335		Longitude:				104° 46' 42.150" W					
Job ID: 109525172		SEC: 33		TWN: 1N		RGE: 66W		Directional			
Permanent Datum (P.D.):		Ground Level		Elevation:		5076.50 ft		Elev. KB:		N/A	
Log Measured From:		Rig Floor		Above P.D.		20.00 ft		Elev. DF:		5096.50 ft	
								Elev. GL:		5076.50 ft	
Dates				Interval Drilled				Magnetic Field Reference			
Date From: 2019-01-09		Top: (ft)		1777.00		Azi Reference North: True		Dip Angle: (deg)		66.50	
Date To: 2019-01-13		Bottom: (ft)		17953.00		Total Magnetic Field Strength: (nT)				52020	
Spud Date: 2018-11-03						Mag to Reference North Correction: (deg)				8.24	
Borehole Record				Casing Record							
Hole Size (in)		From (ft)		To (ft)		Size (in)		Weight (lb/ft)		From (ft)	
13.500		20.00		1777.00		9.625		36.00		20.00	
8.500		1777.00		17953.00						1777.00	

Comments

- 1
- Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes, a GE Company (BHGE). Due to the lack of control by BHGE logging engineers, depth calibrations and measurements could not be independently verified.
- 2
- BHGE run 1 through utilized a 6.750 inch NaviGamma Service (Directional and Gamma Ray) behind an 8.500 inch bit and rotary steerable assembly from 1777 to 17953 feet MD (1773 to 7580 feet TVD).

Remarks


Number	Measured Depth (ft)	Hole Section (in)	Run No.	Remark
1	17900.00	8.500	1	The interval from 17940 to 17953 feet MD (7580 feet TVD) was not logged due to gamma sensor offset from bit at TD.

Curve Mnemonics

Presented Curves	Description	Units
TCDX	Downhole Temperature	degF
ROPA	Depth Averaged ROP 3 ft Average	ft/h
TVD	True Vertical Depth	ft
WOBA	Weight On Bit, Average 1 ft Average	klb
GRAX	Gamma Ray - Apparent - Real-Time 0.5 ft Average	API
GRIX	Gamma Ray - Data Point Indicator - Real-Time	unitless
GRTX	Gamma Ray - Time Since Drilled - Real-Time	min

BAKER HUGHES

a GE company



Company

Well

Interval

Created

Great Western

OTTESEN LE 06-290HN

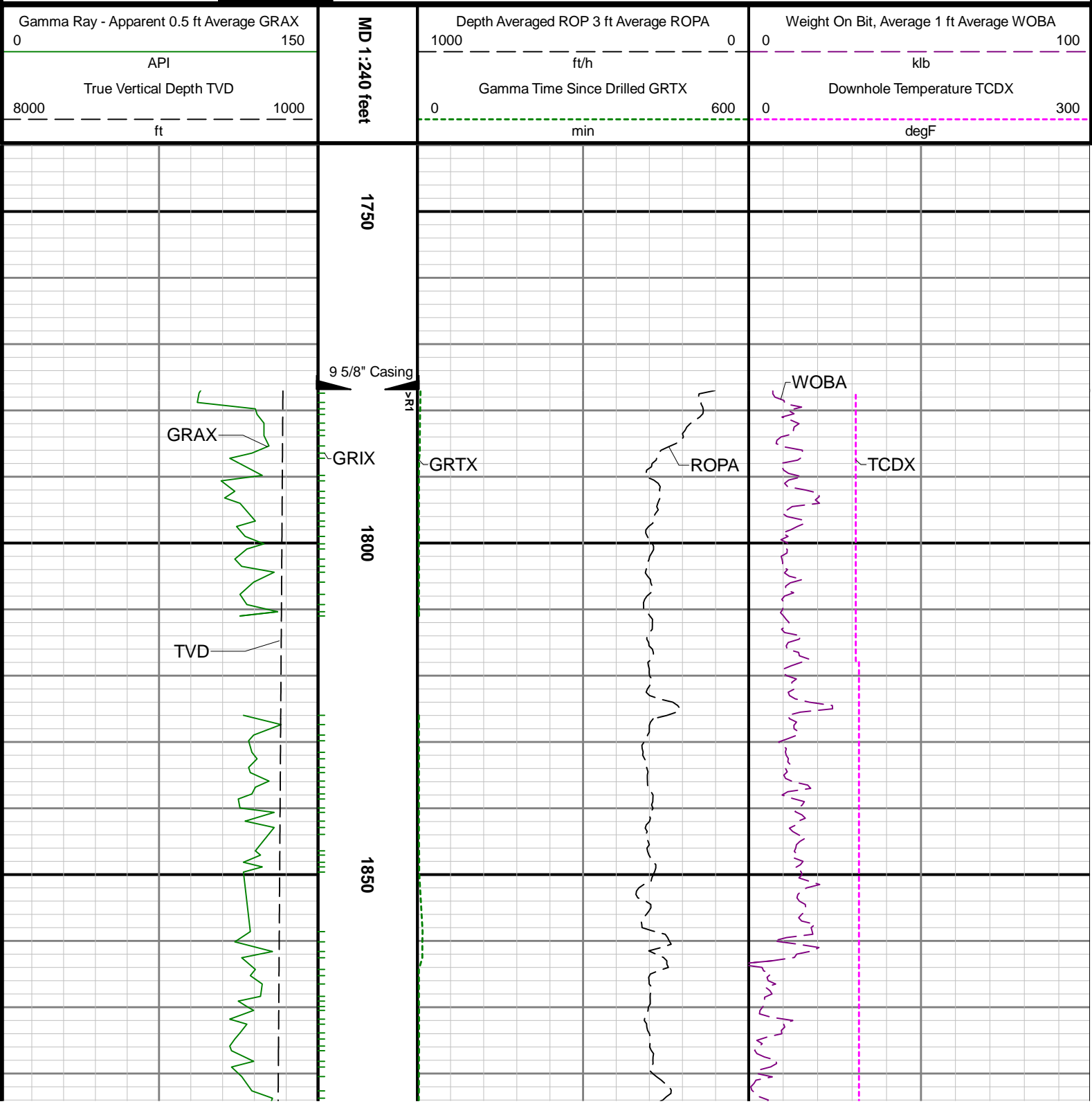
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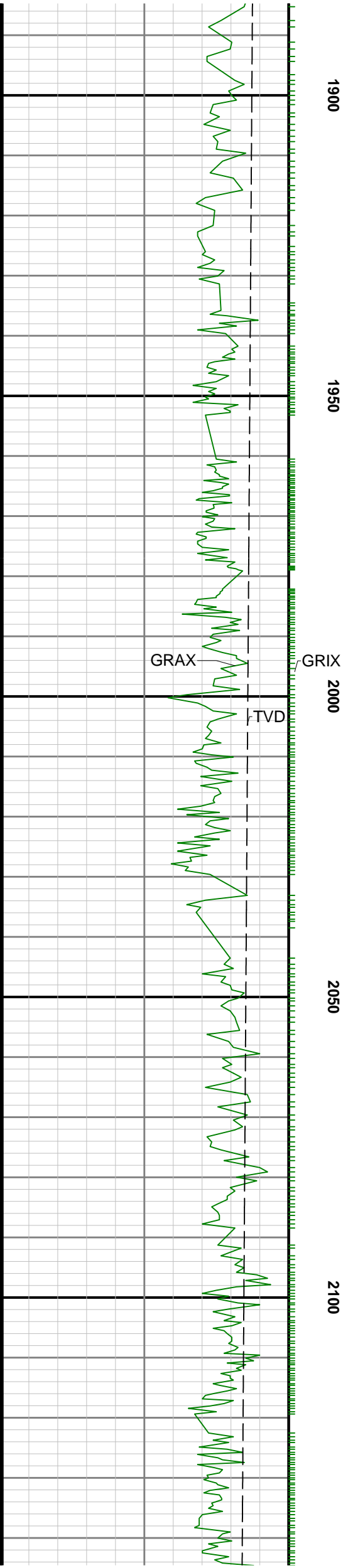
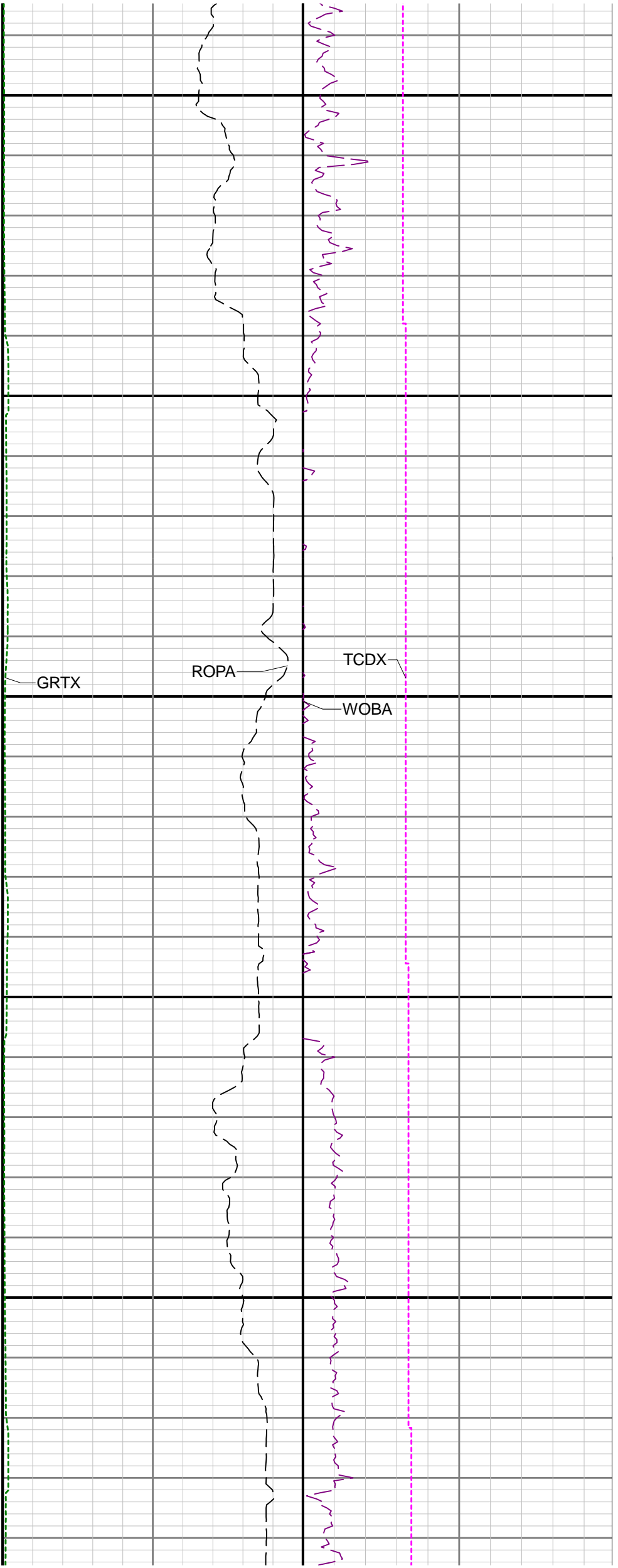
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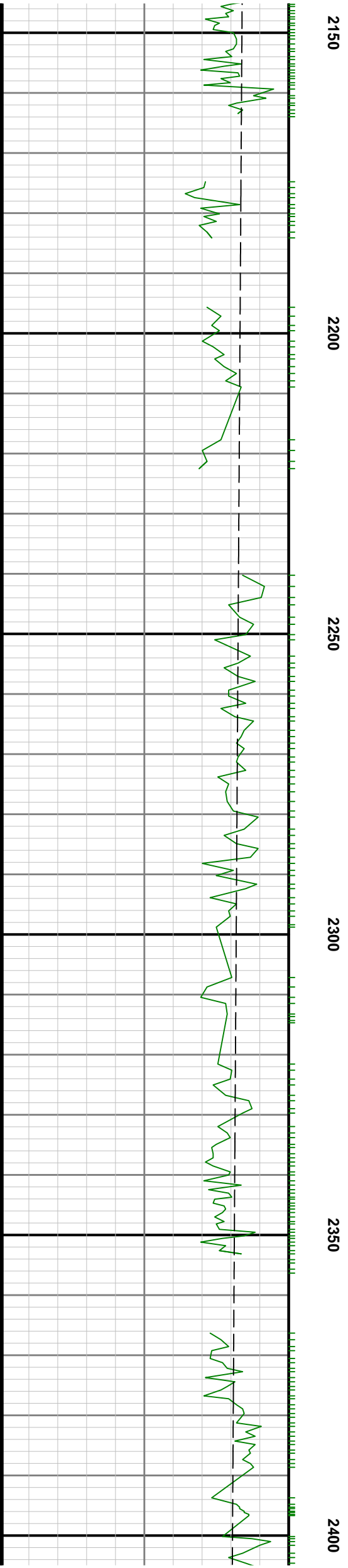
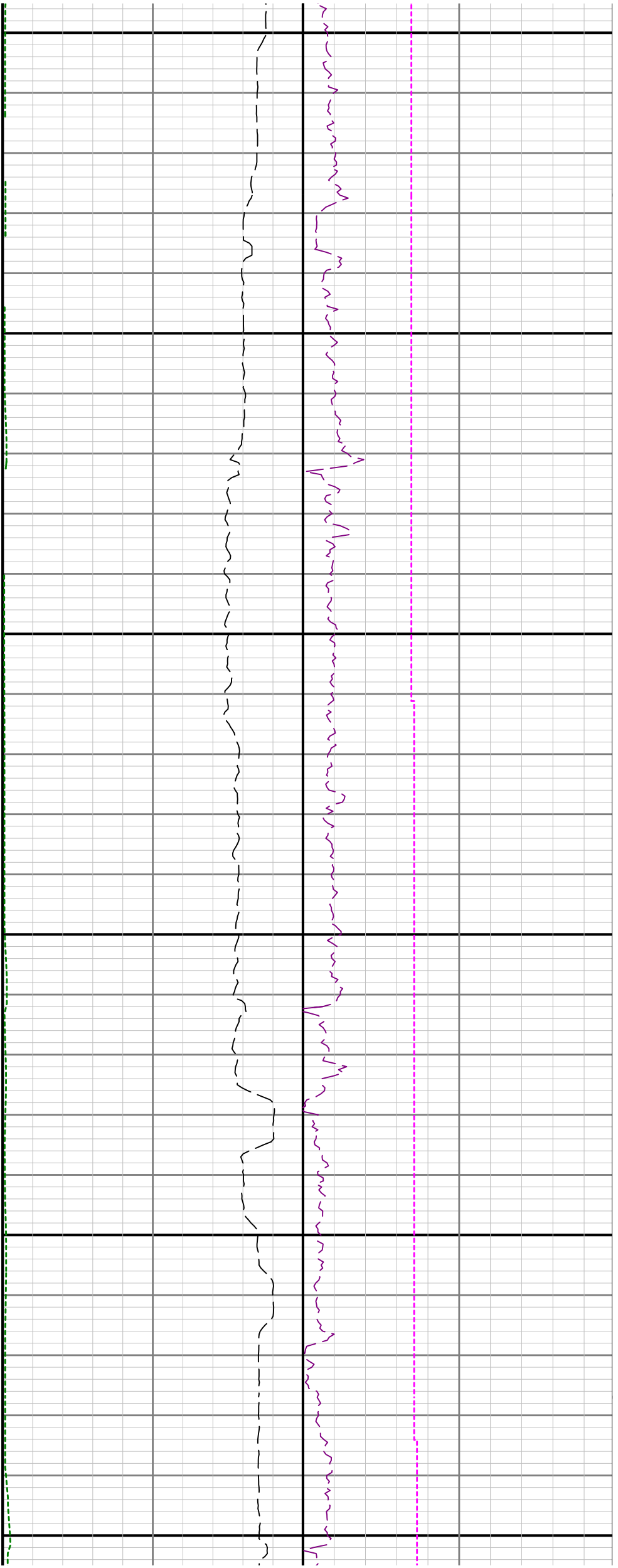
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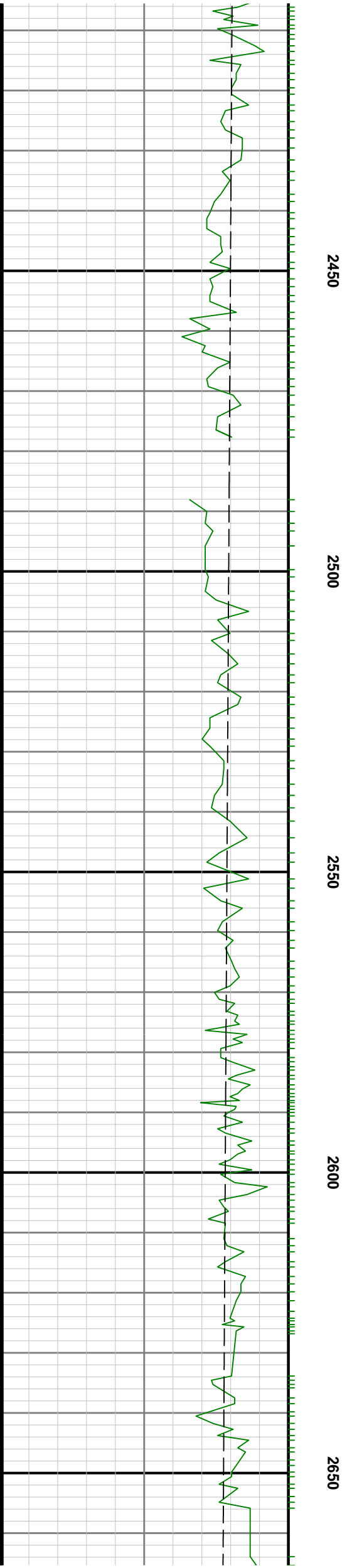
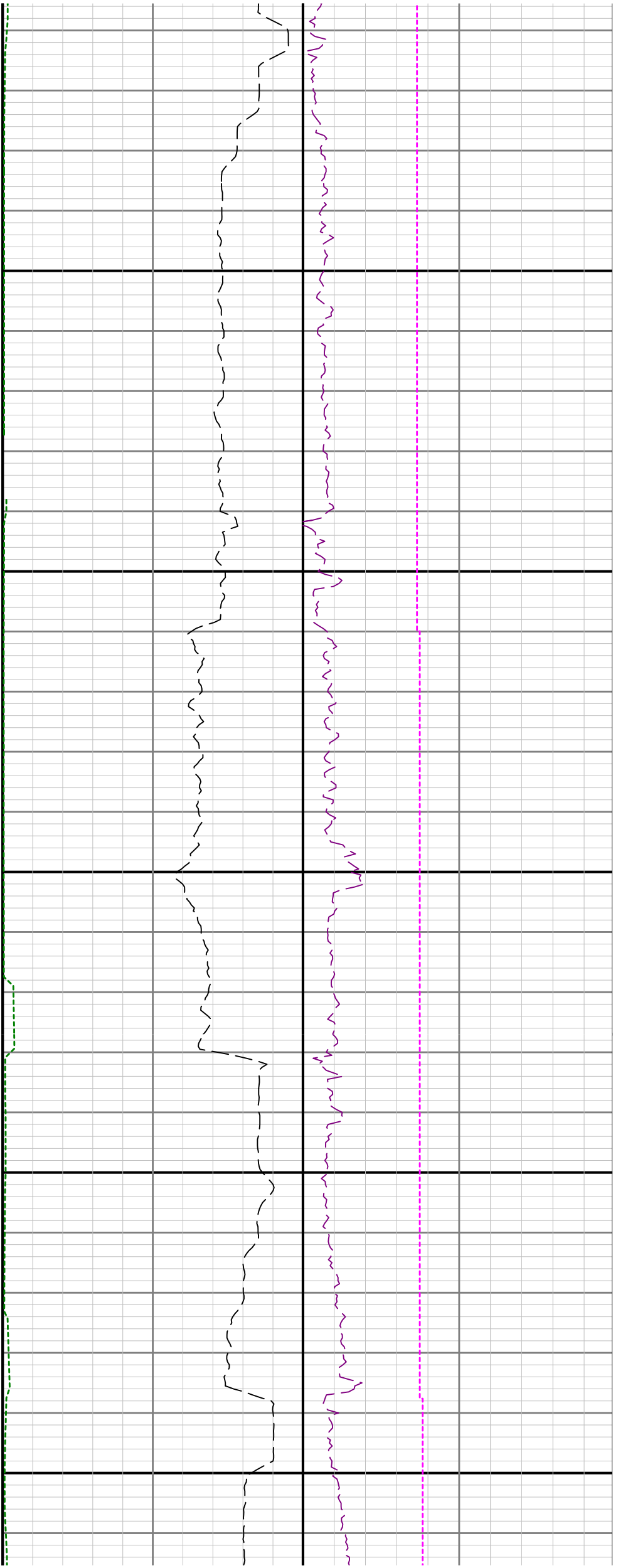
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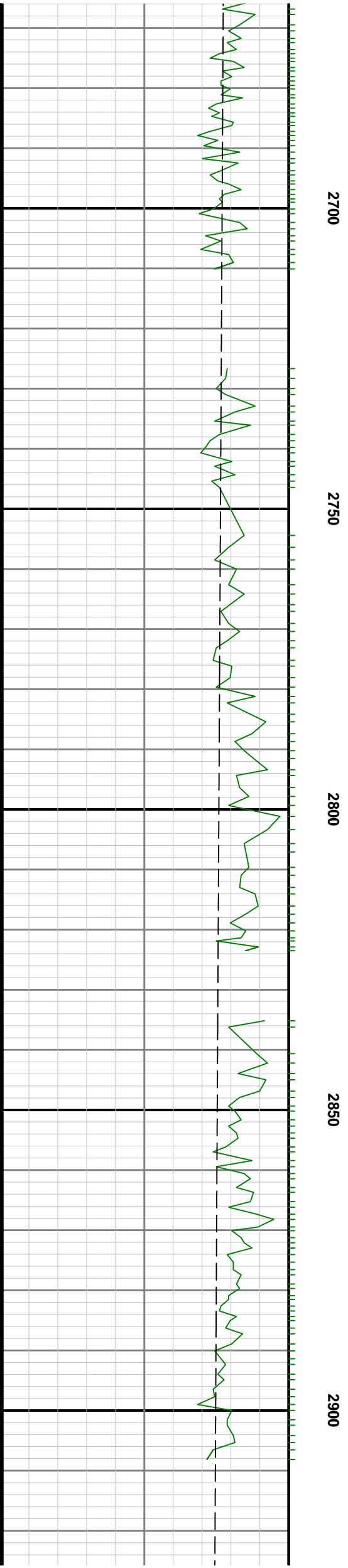
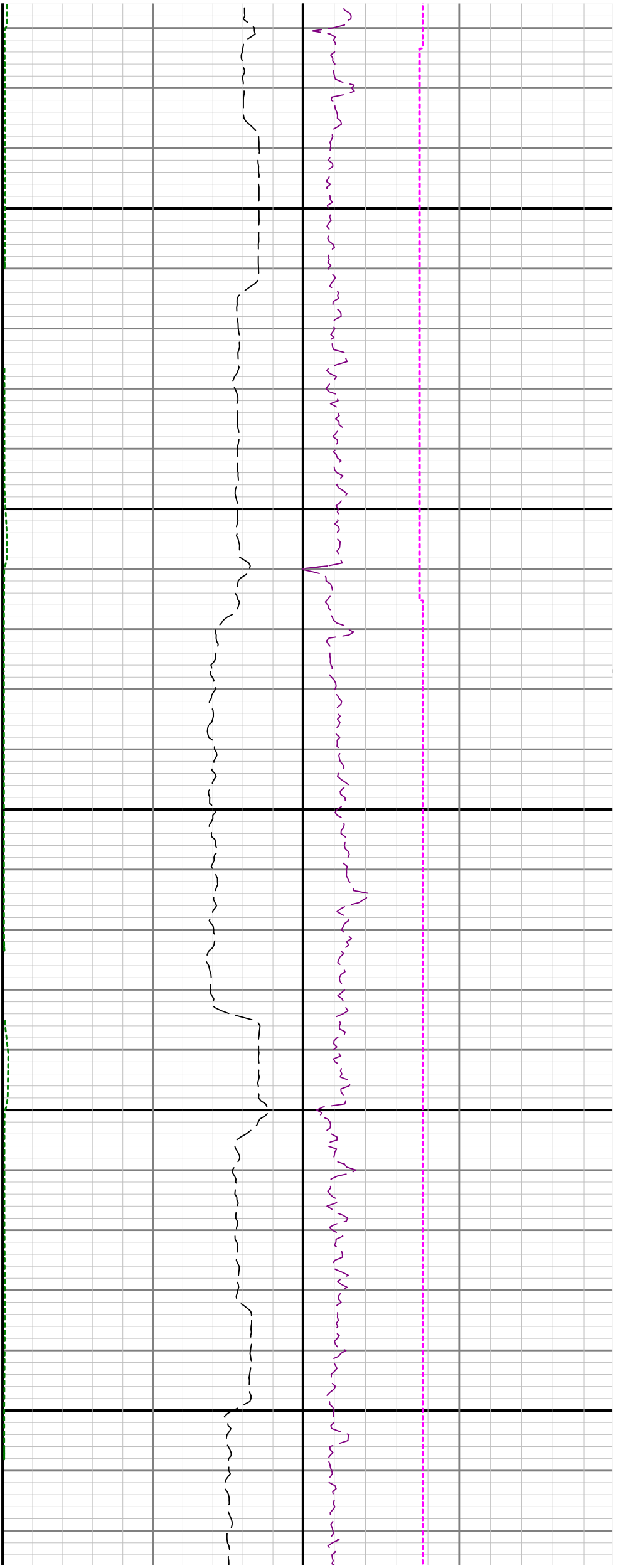
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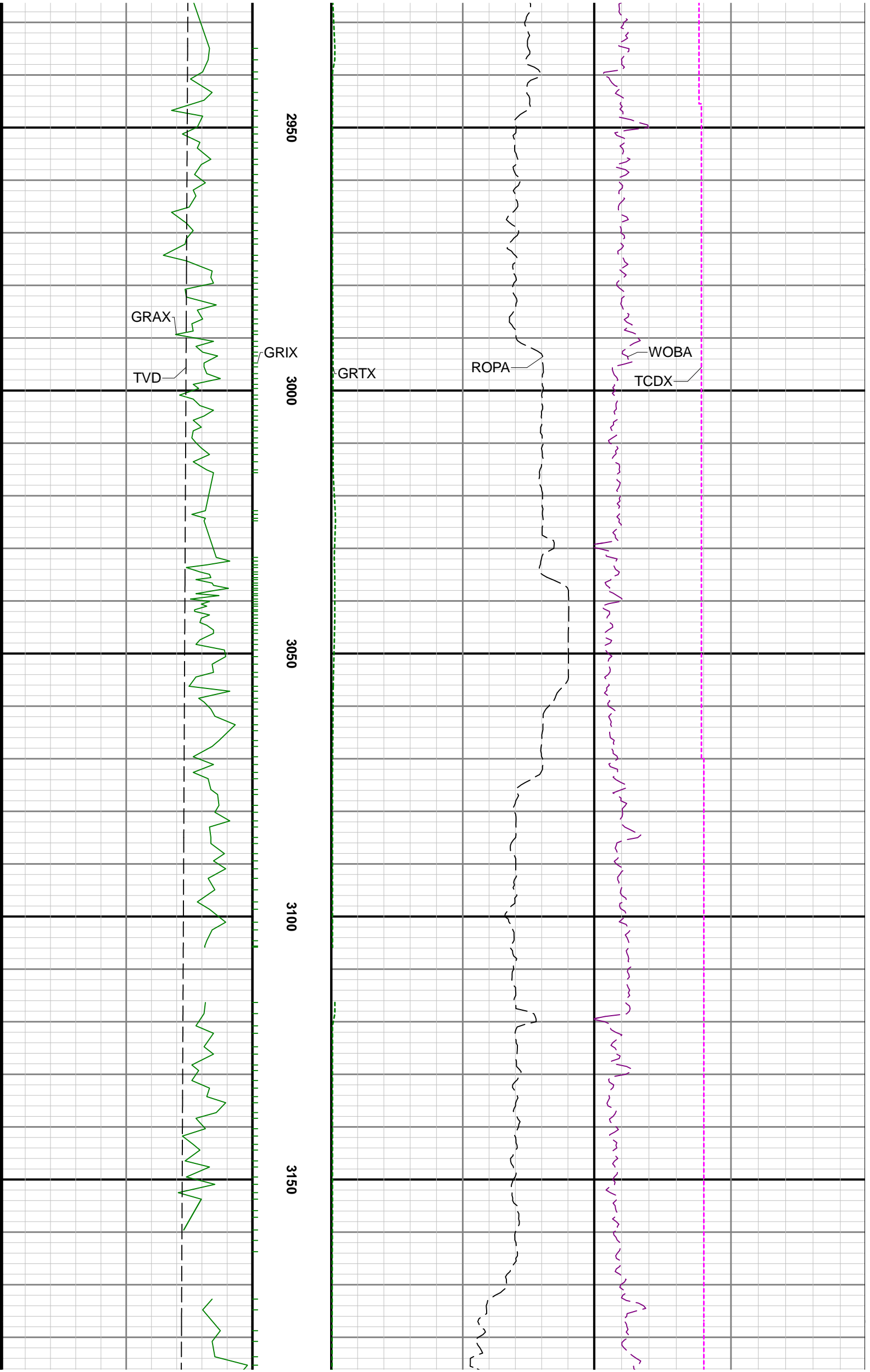


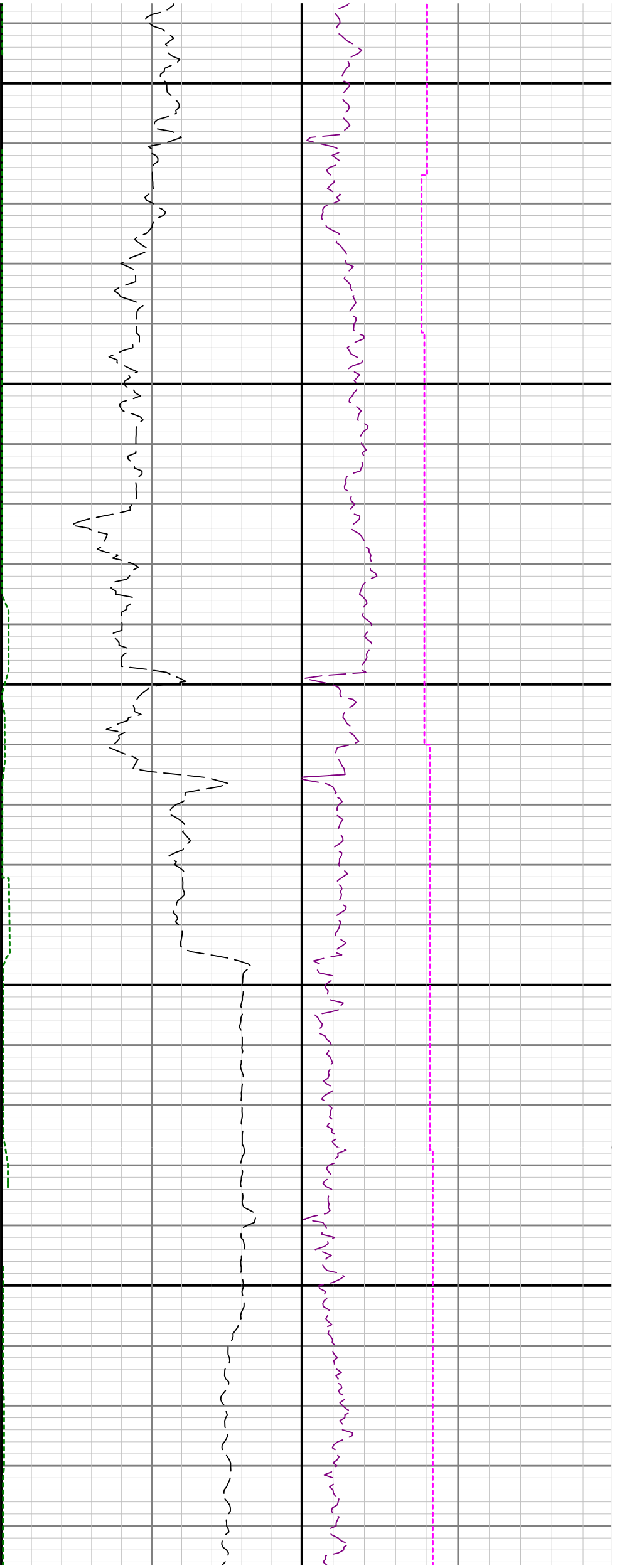












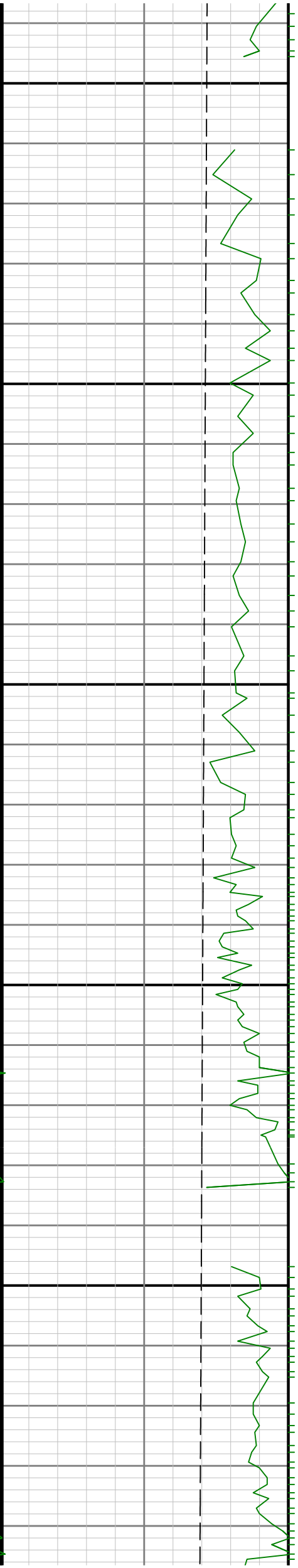
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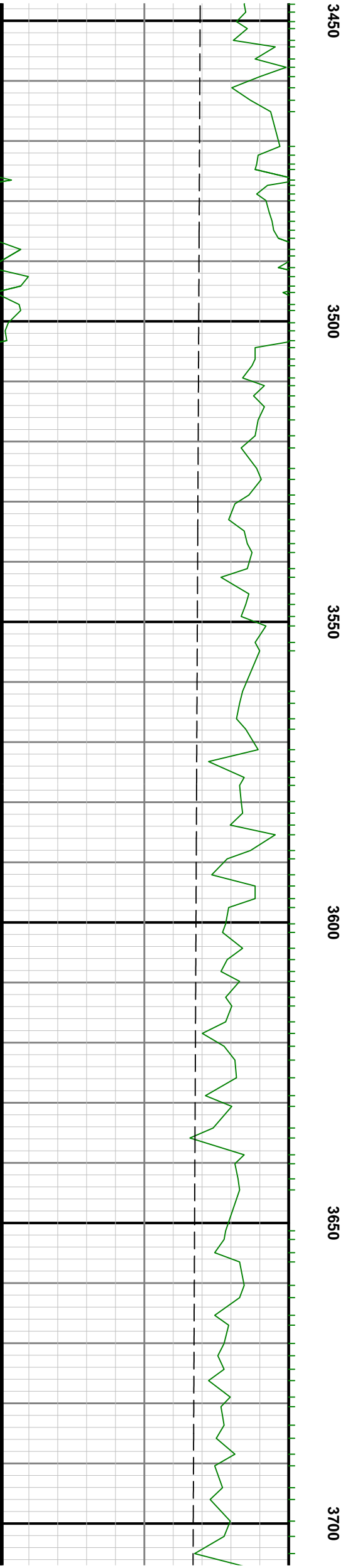
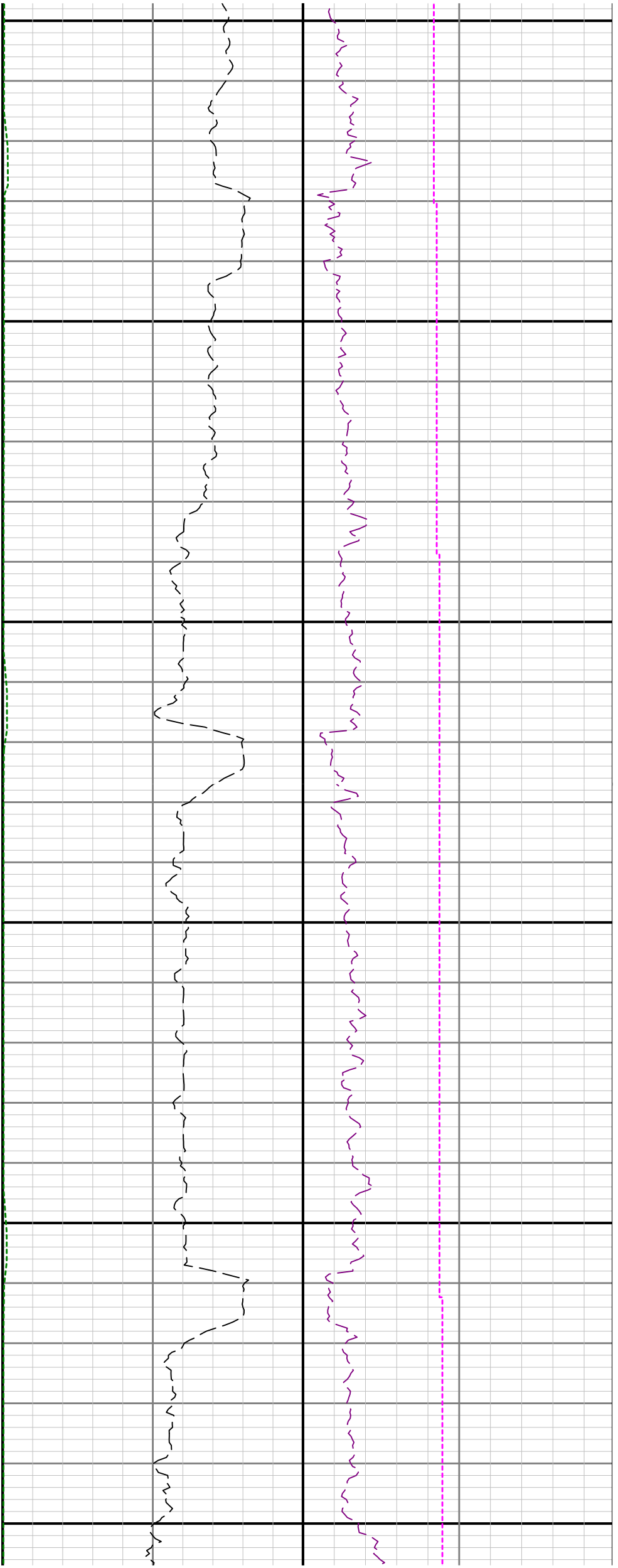
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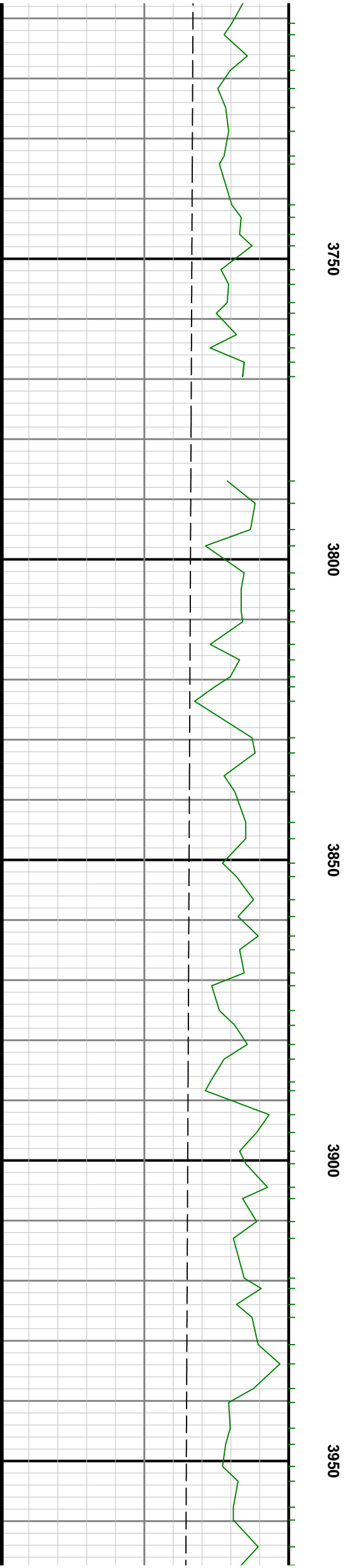
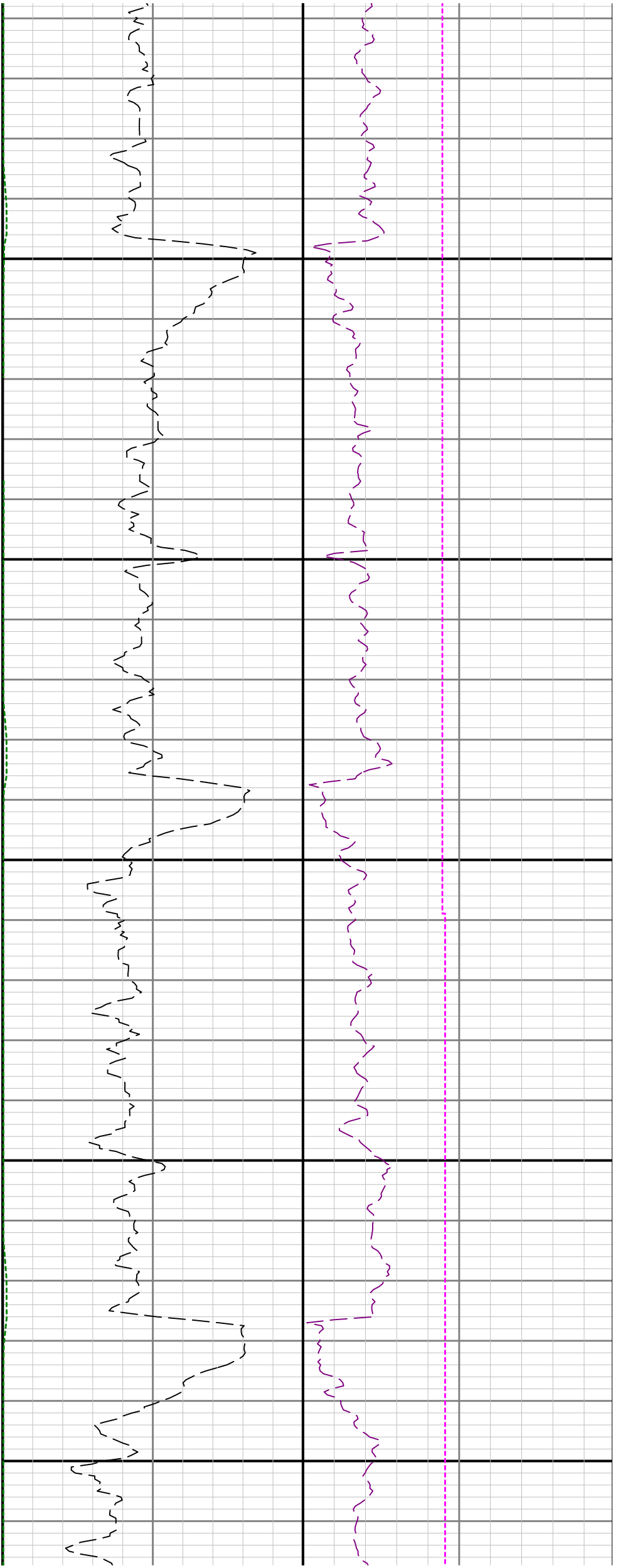
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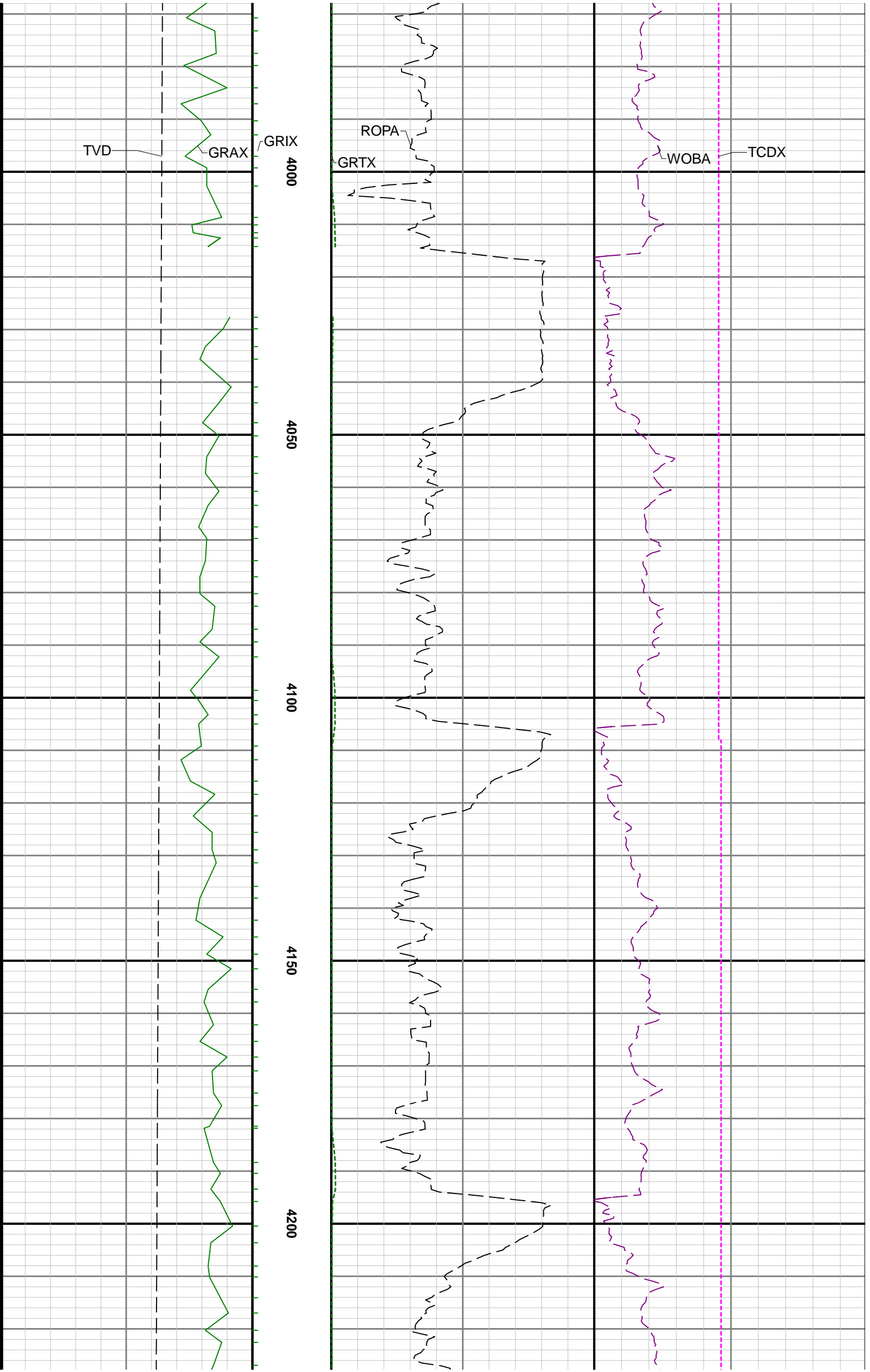
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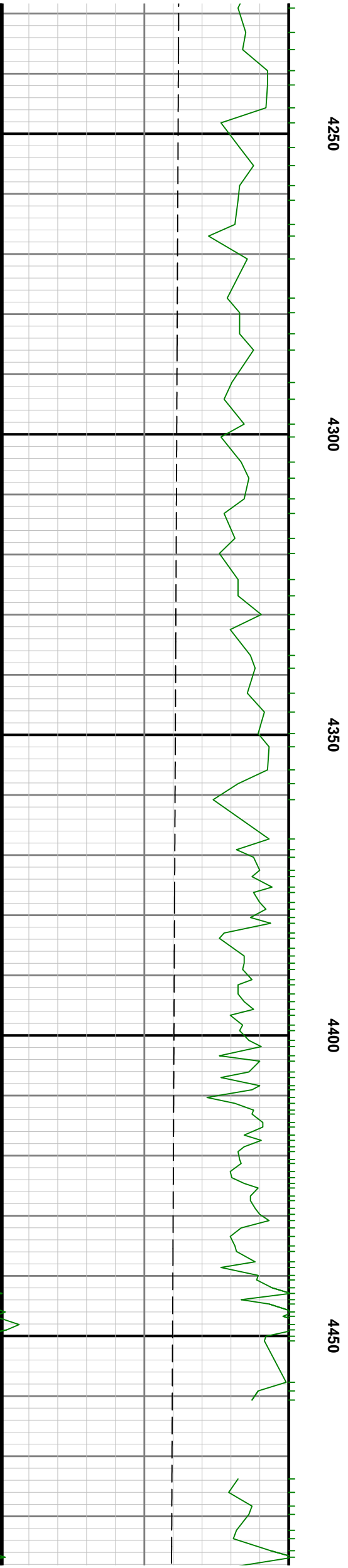
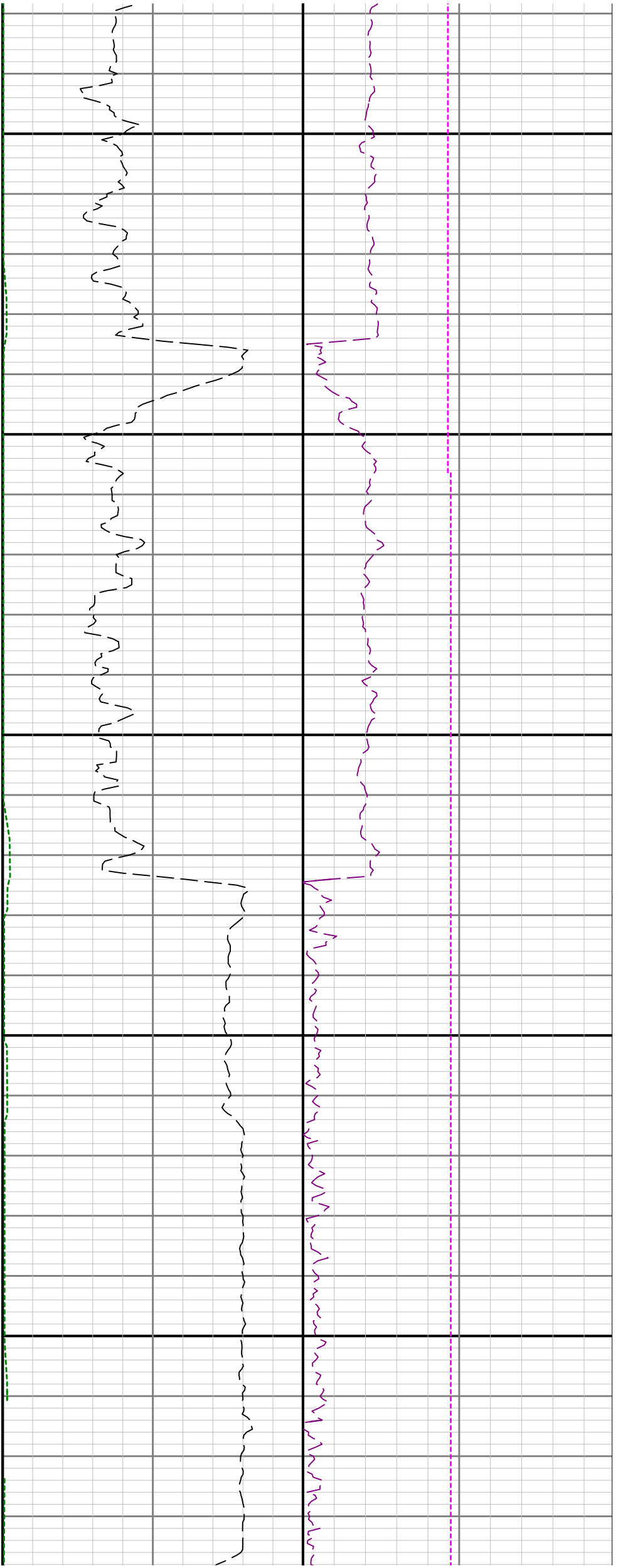
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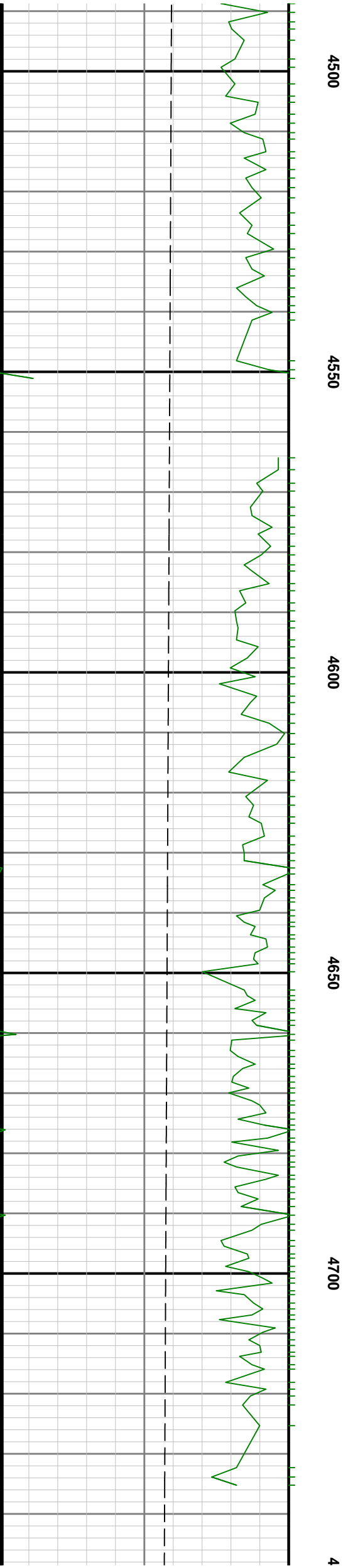


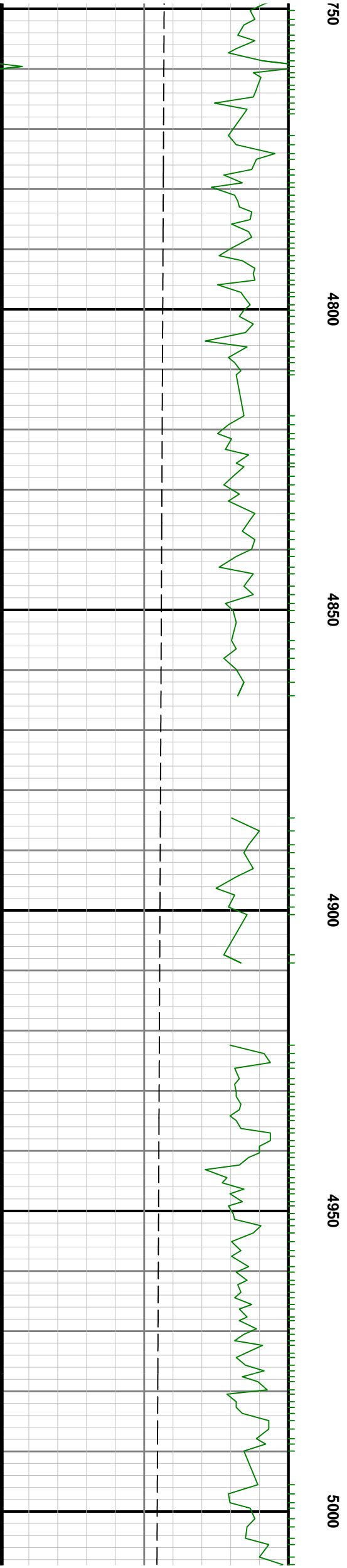
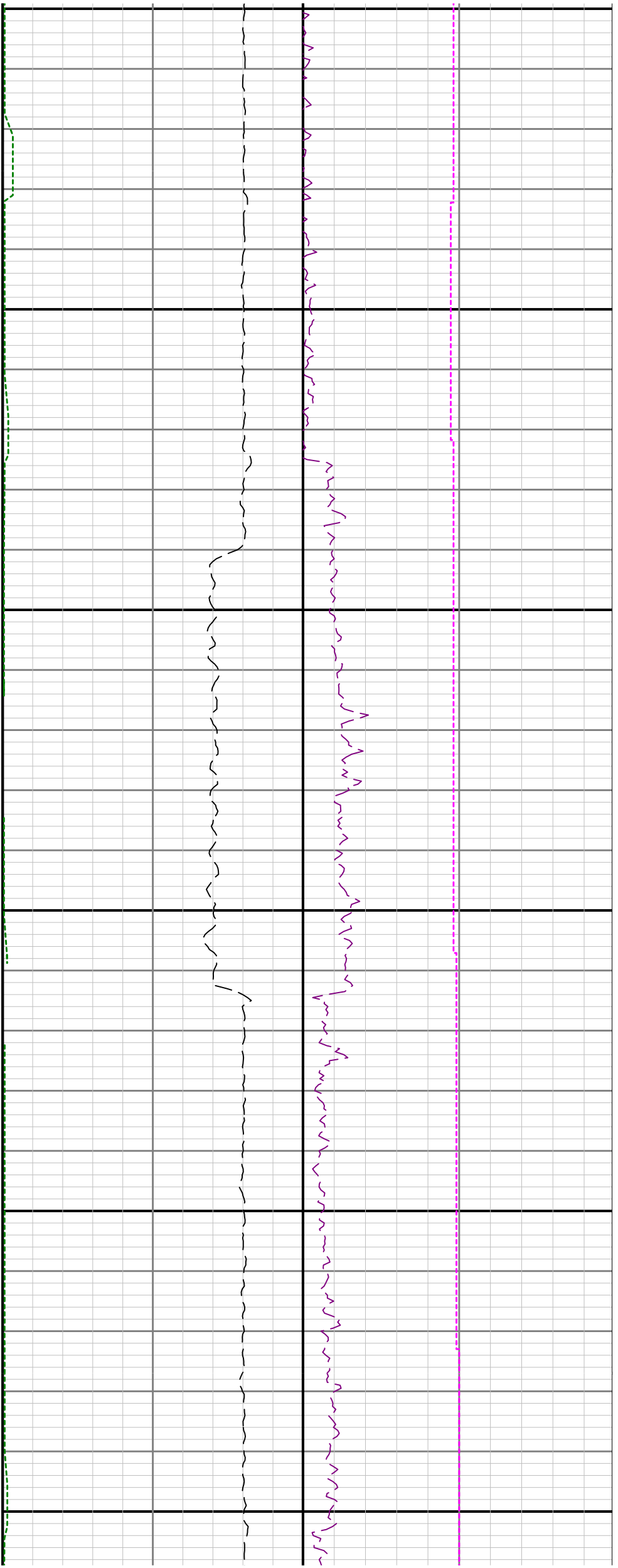


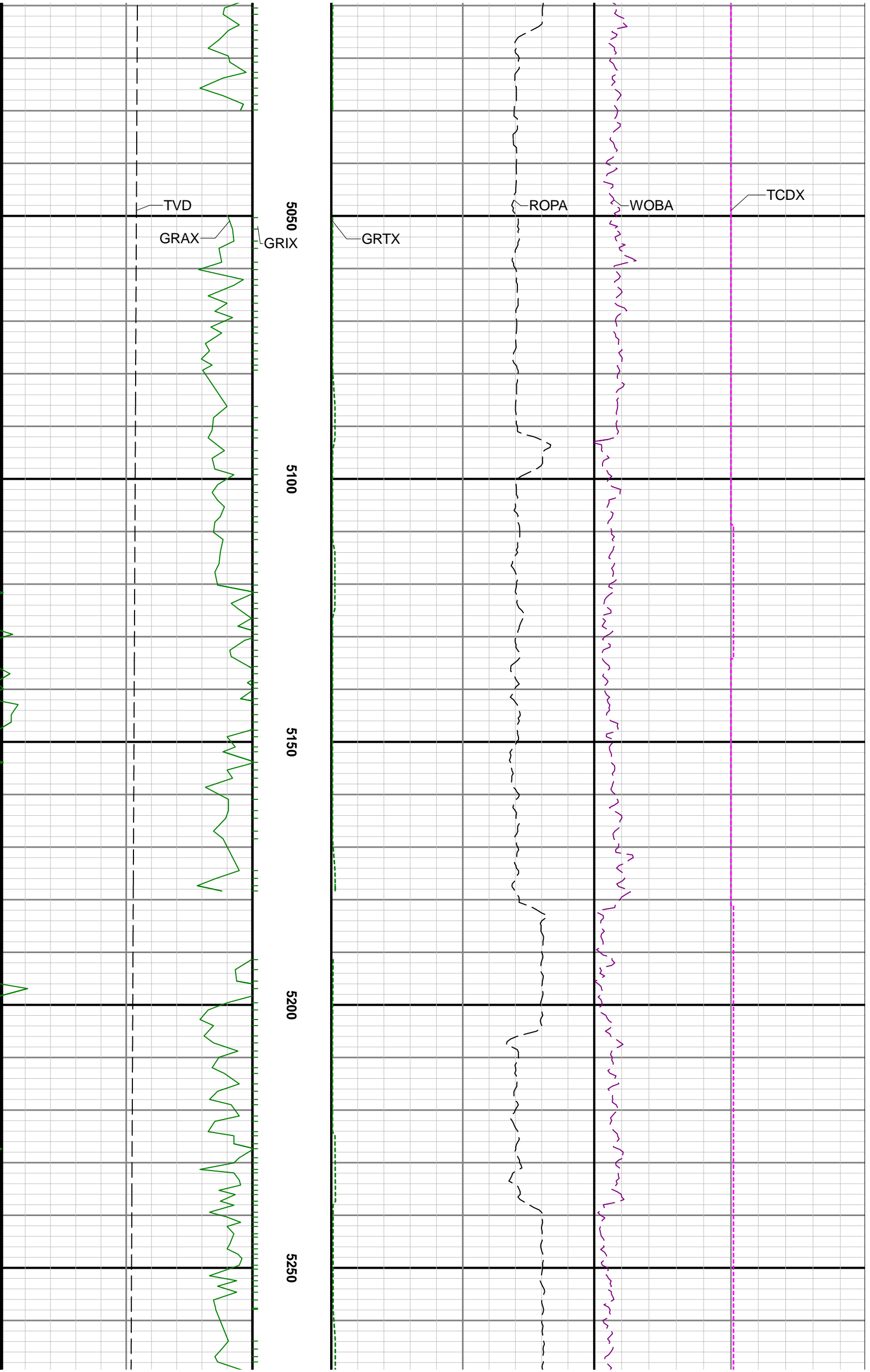


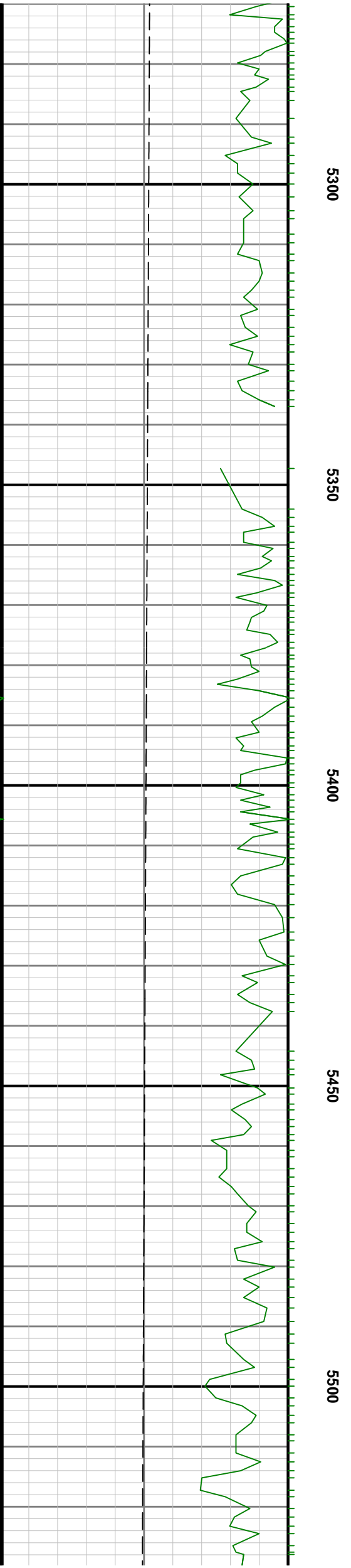


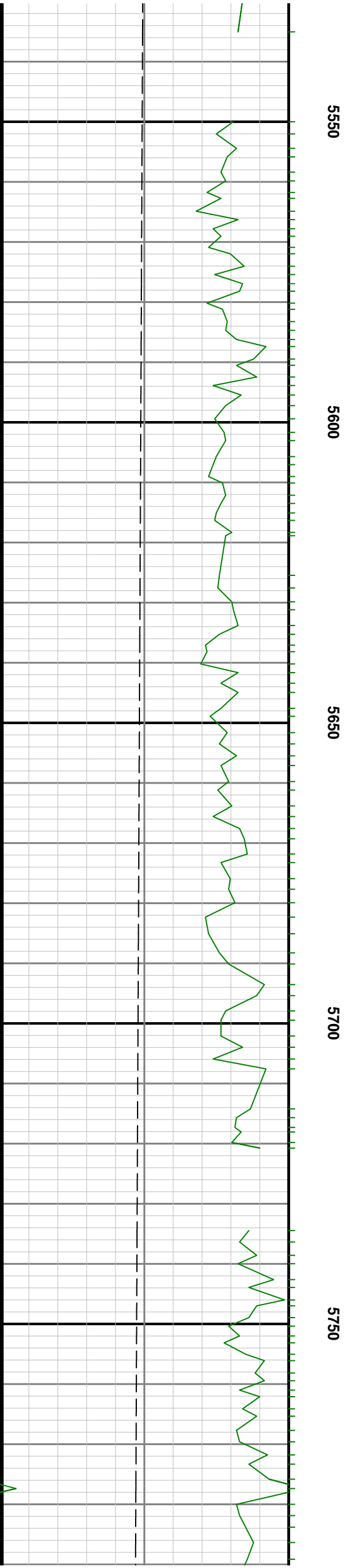
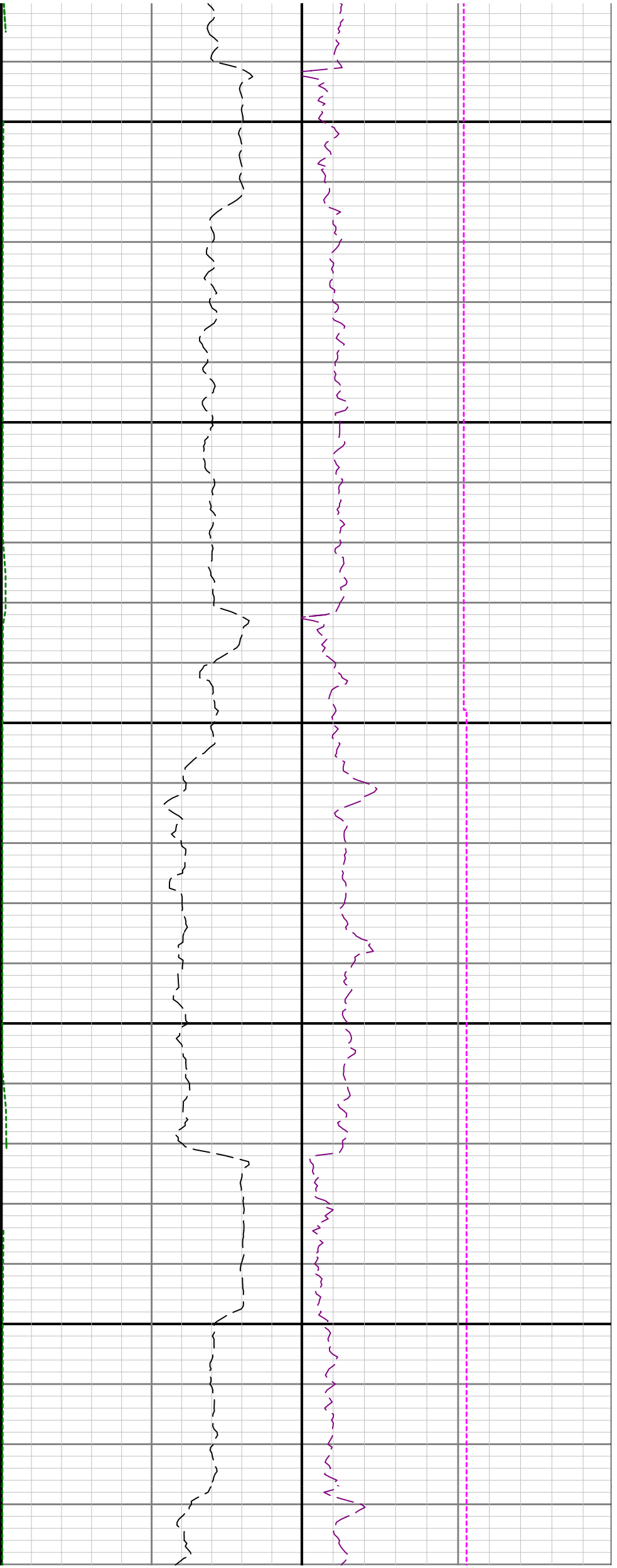


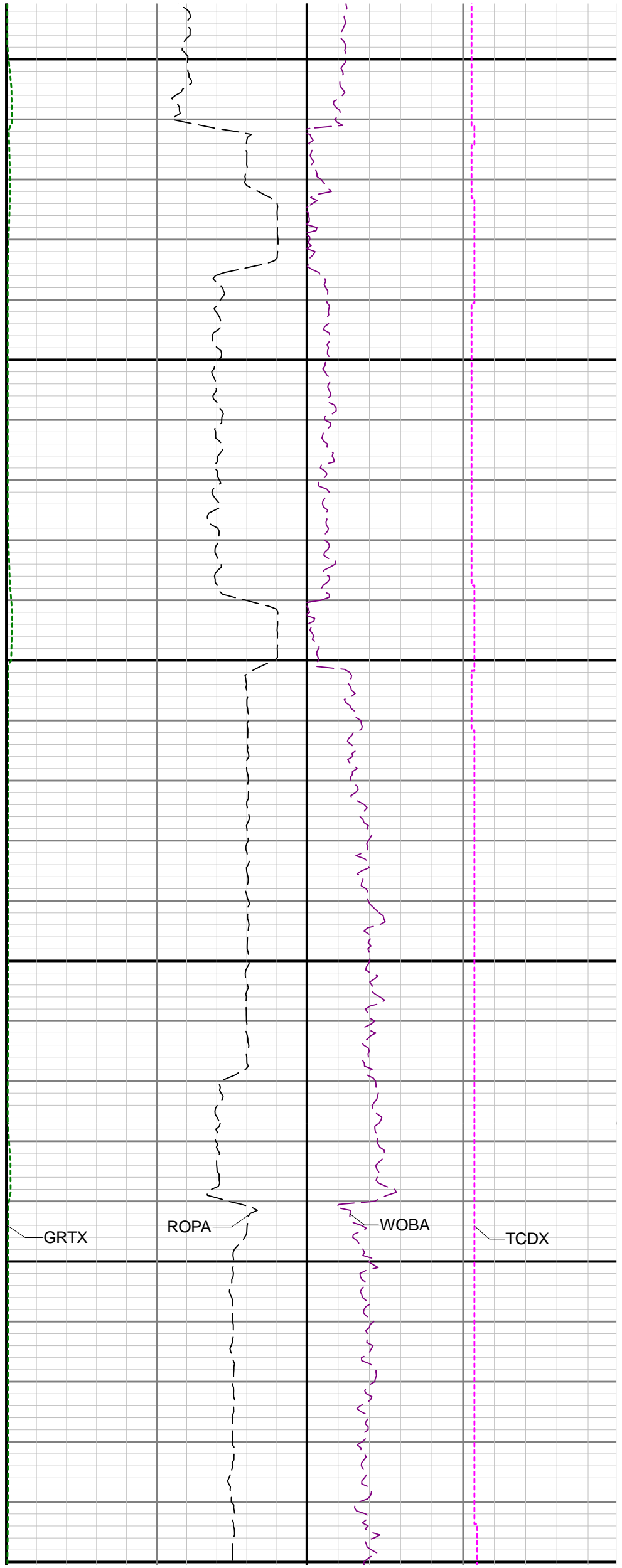
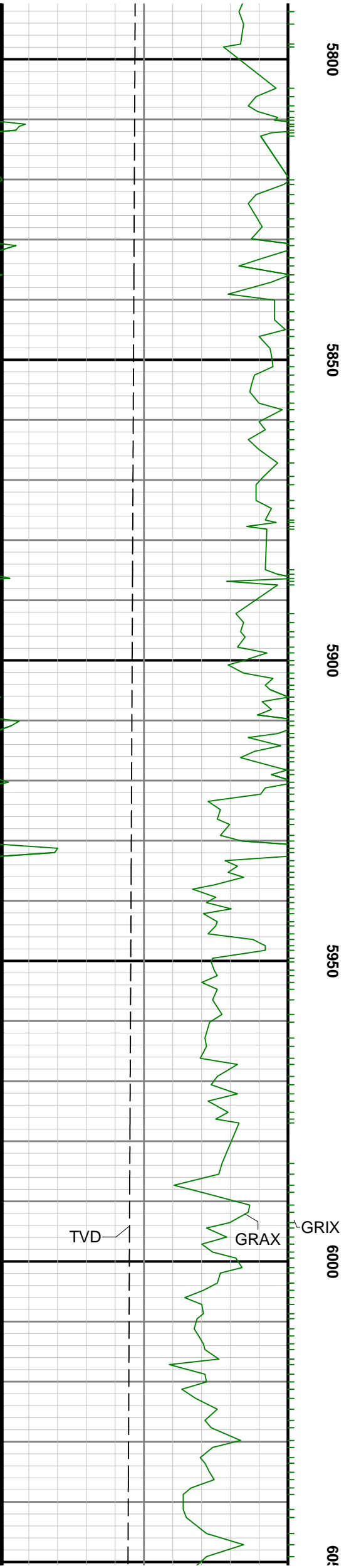


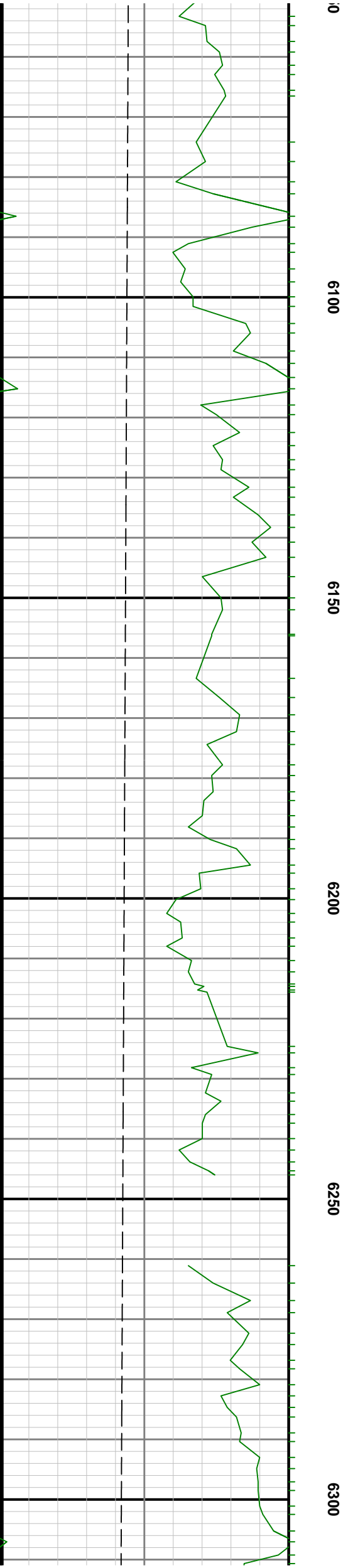
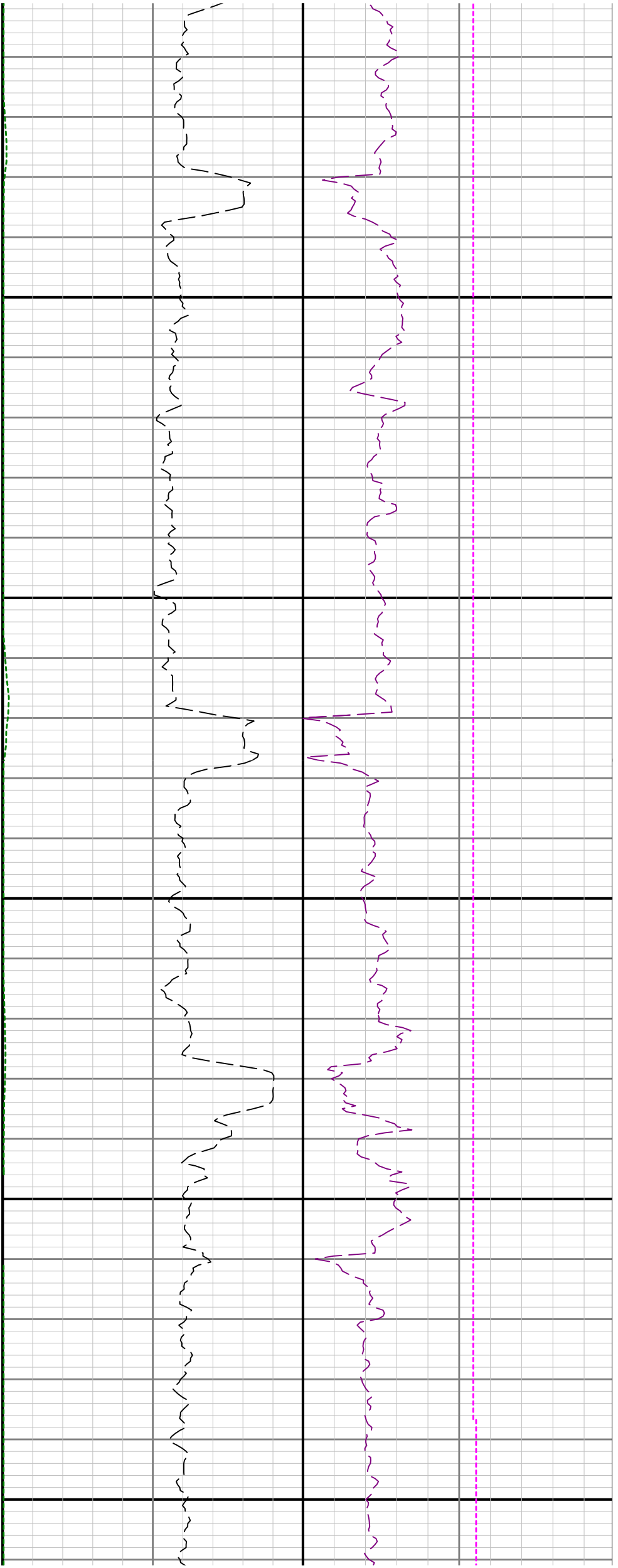


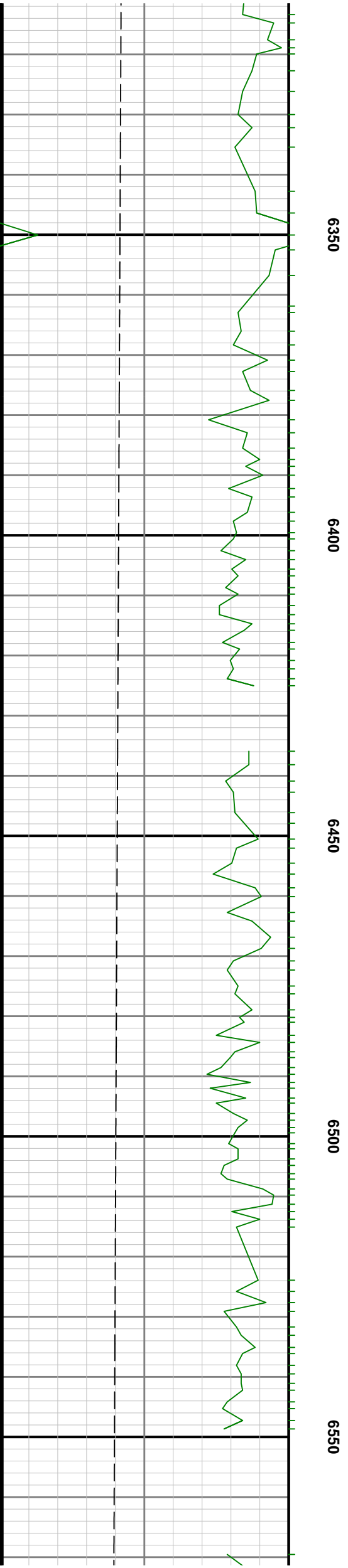
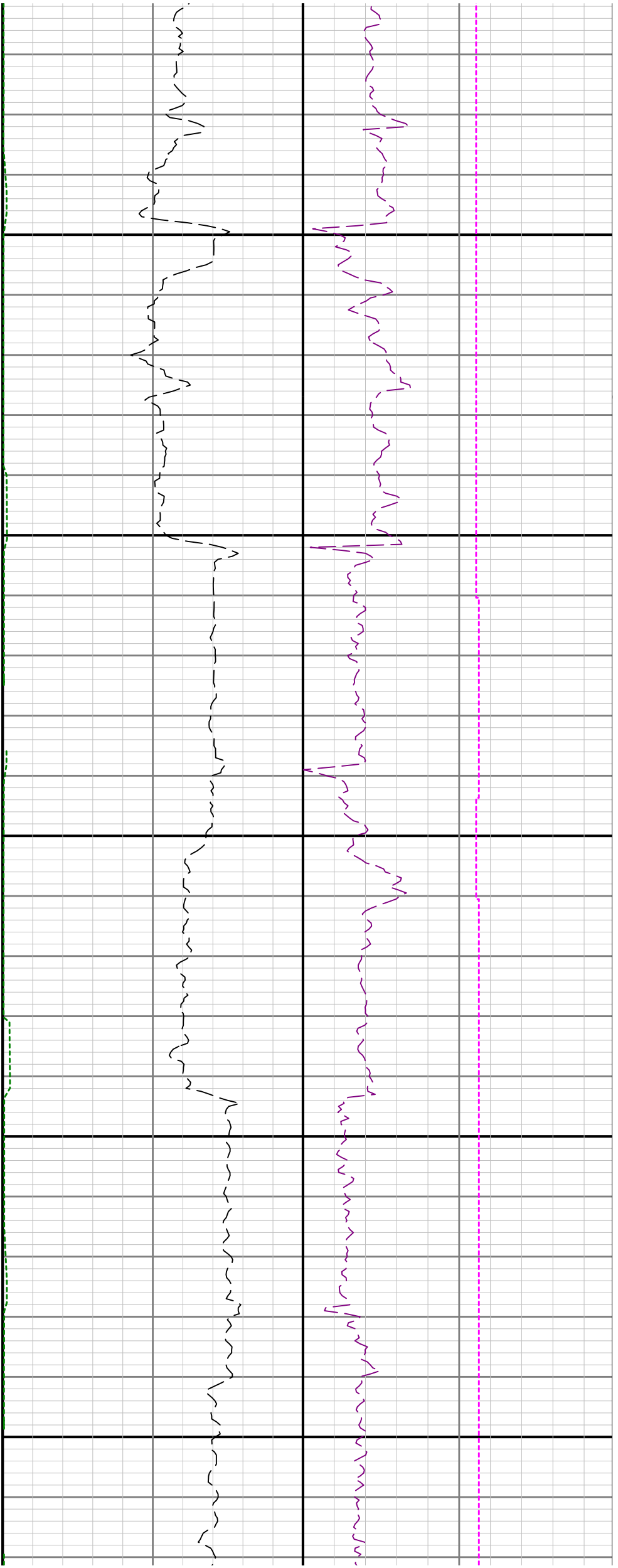


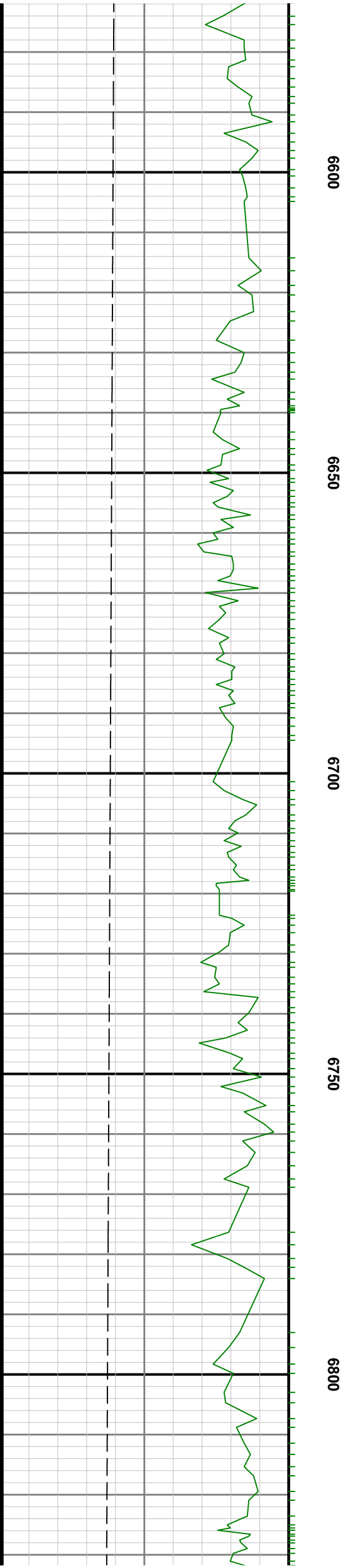


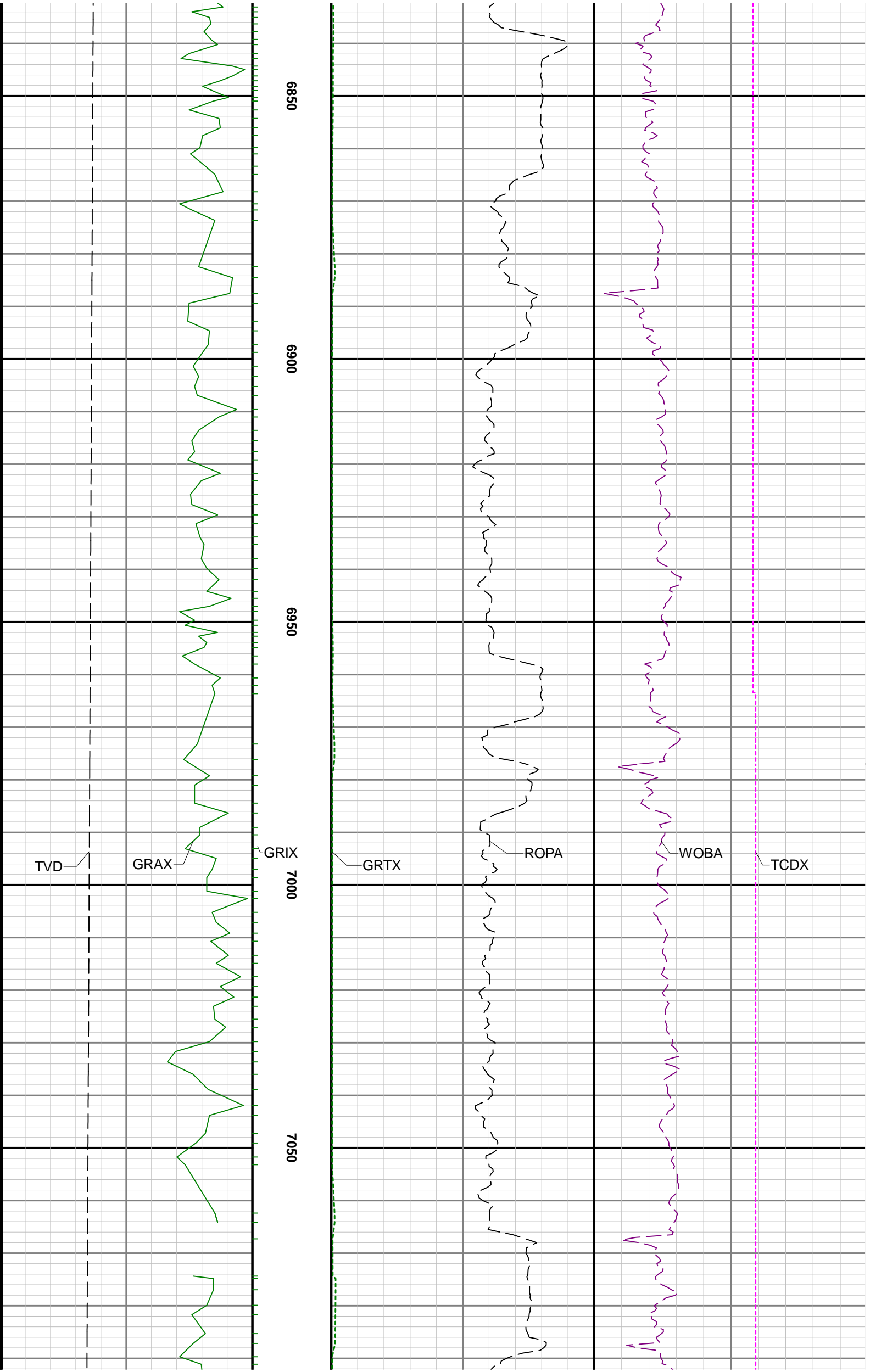


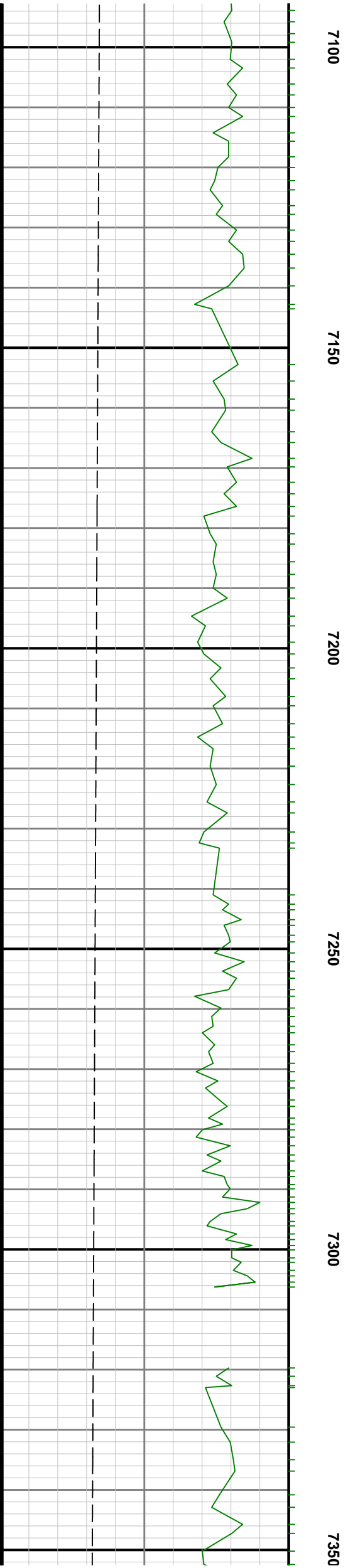


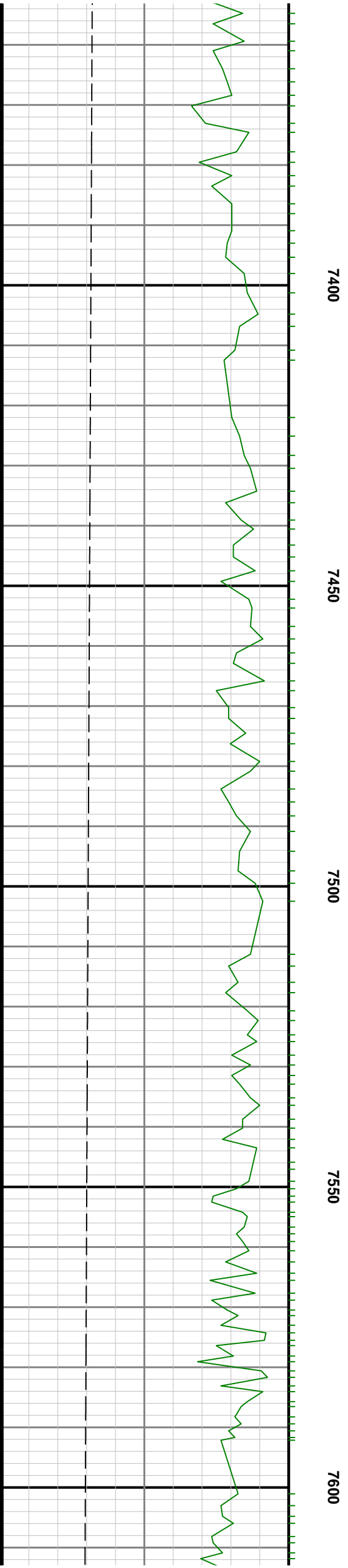
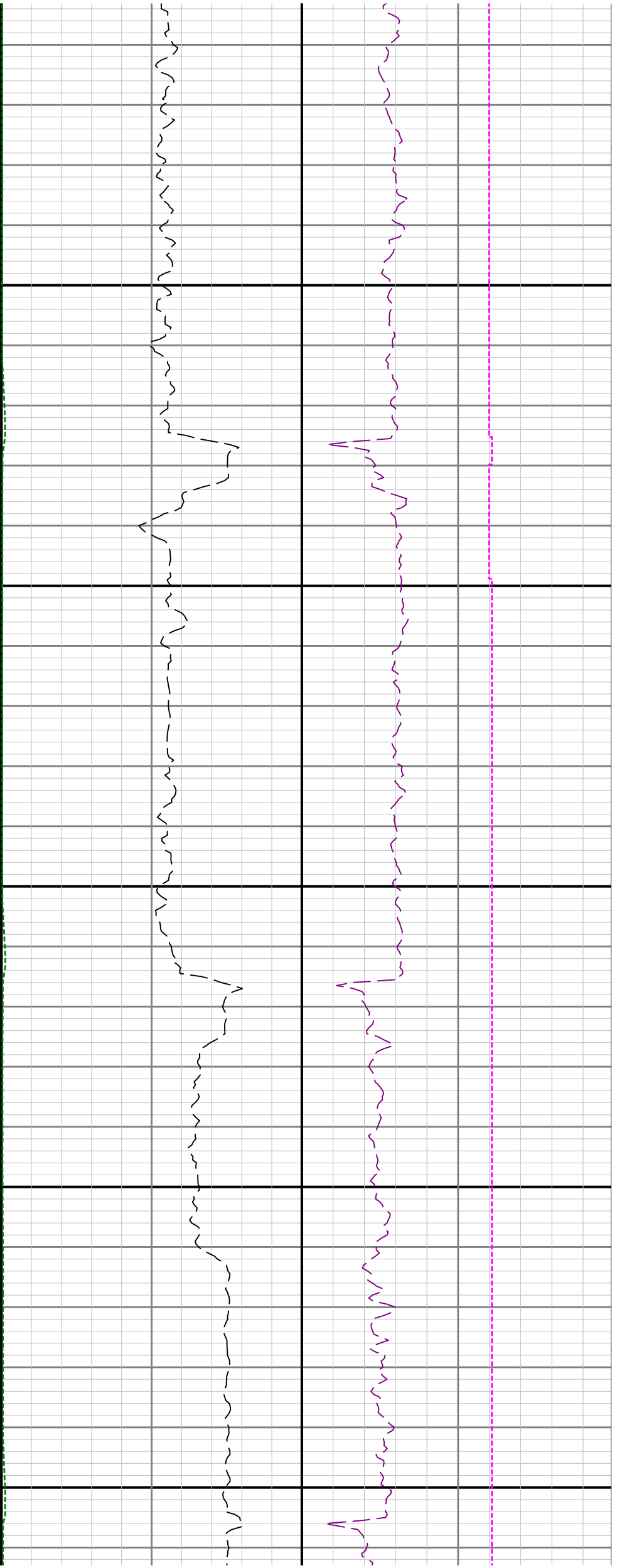


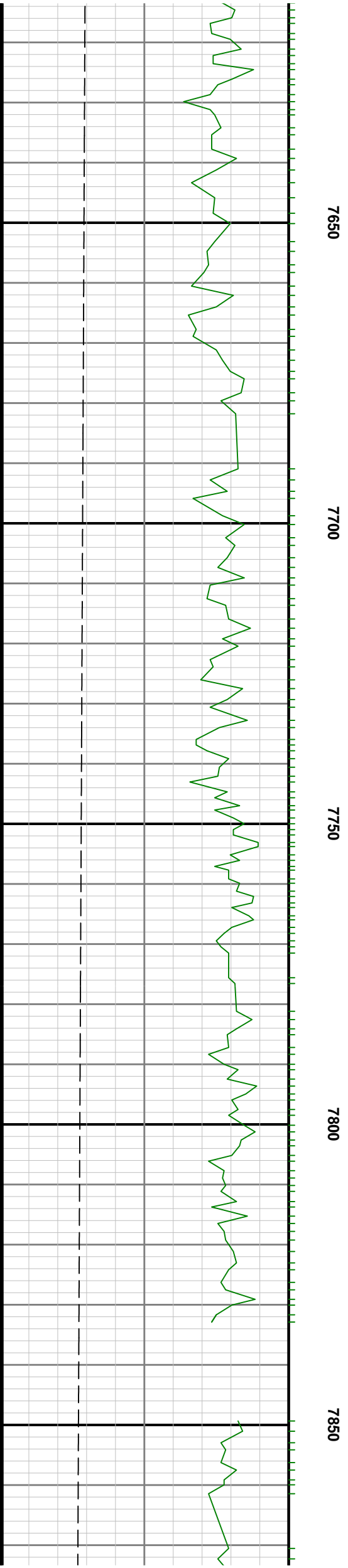
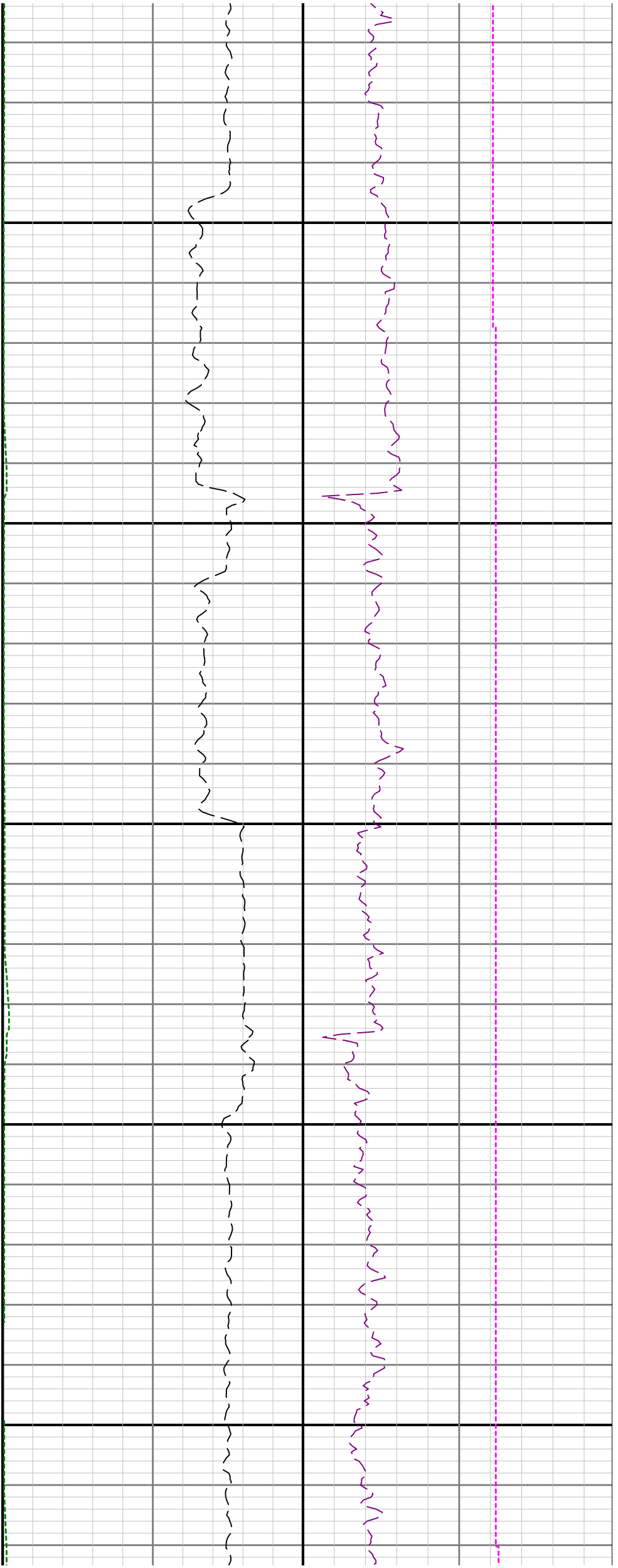


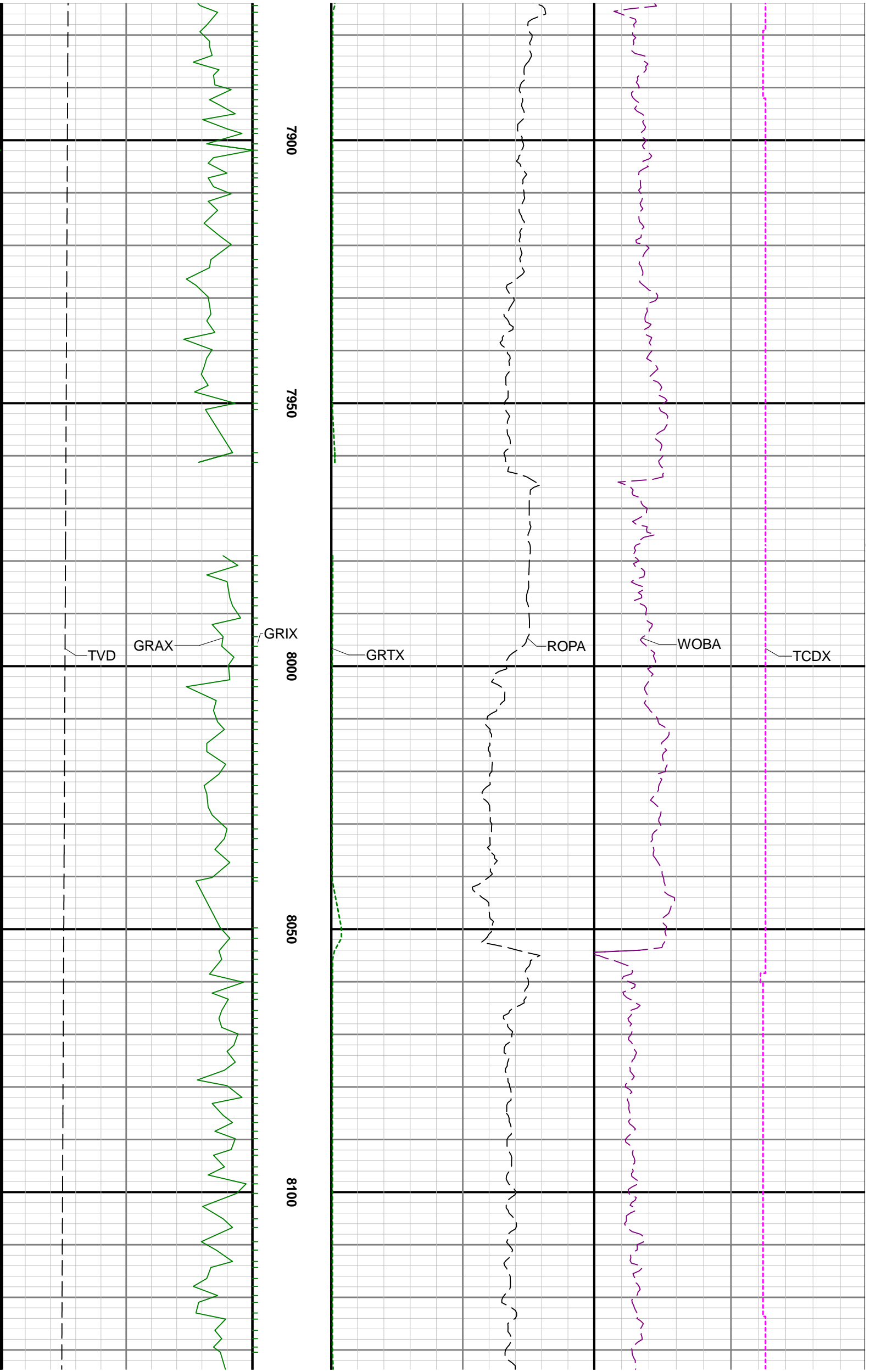


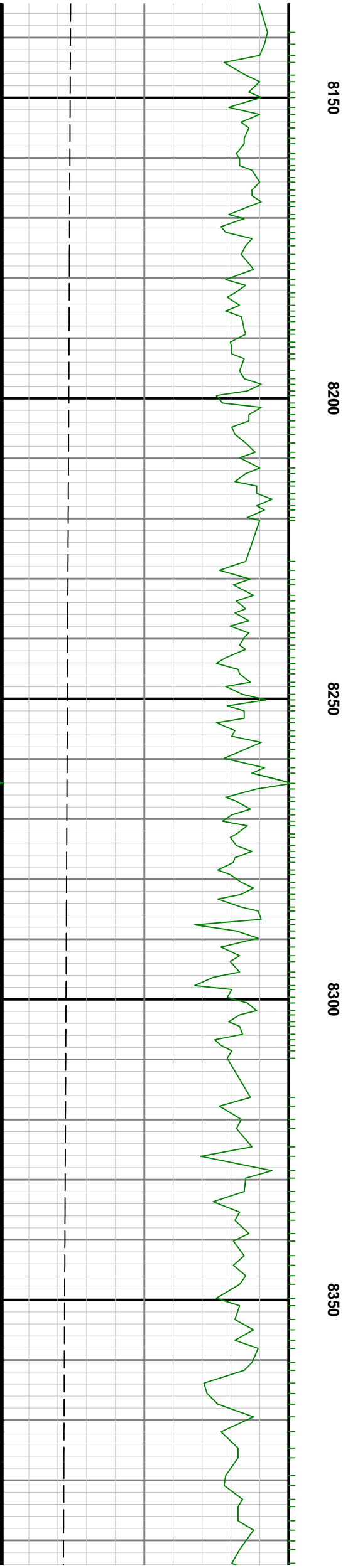
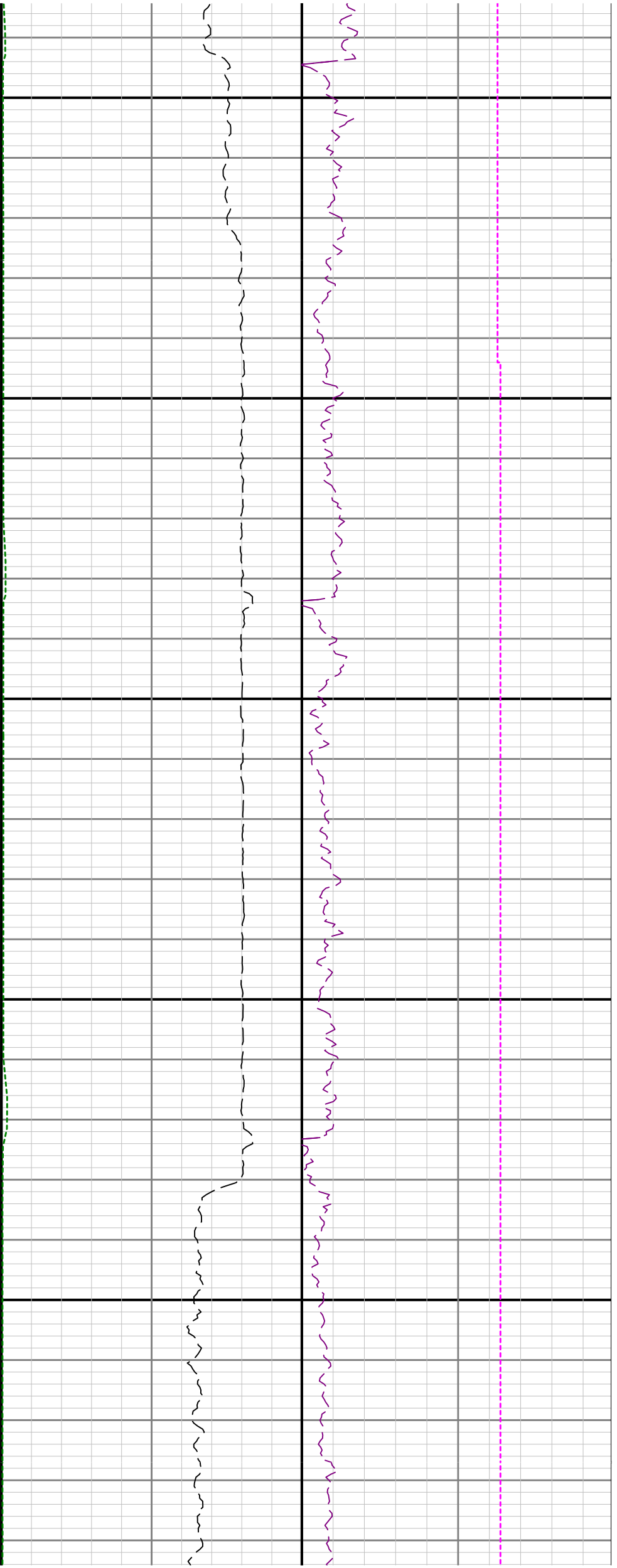


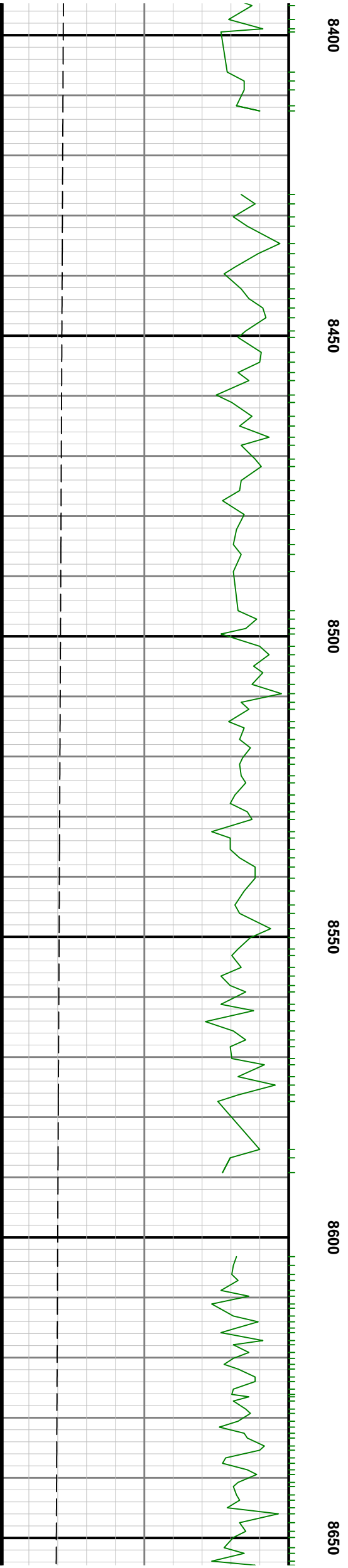


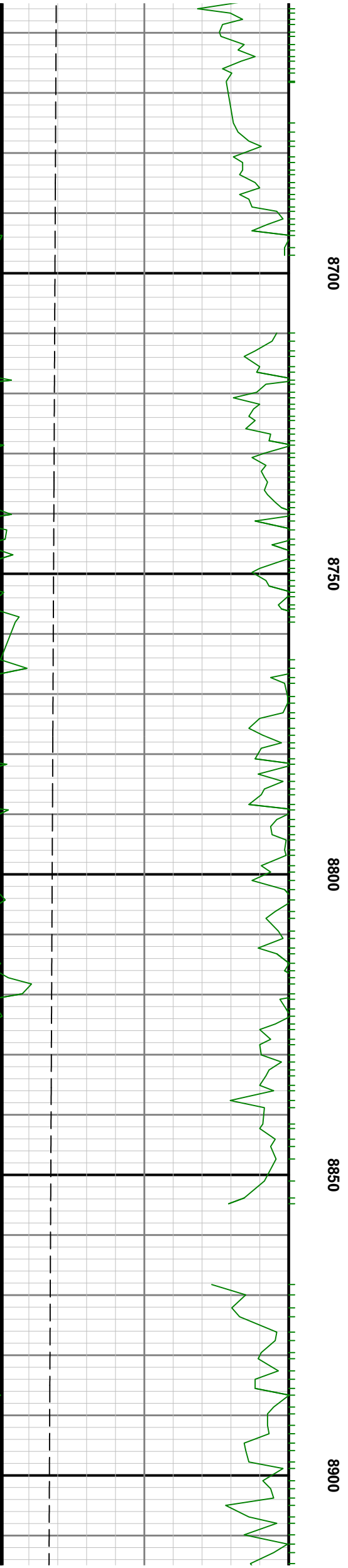


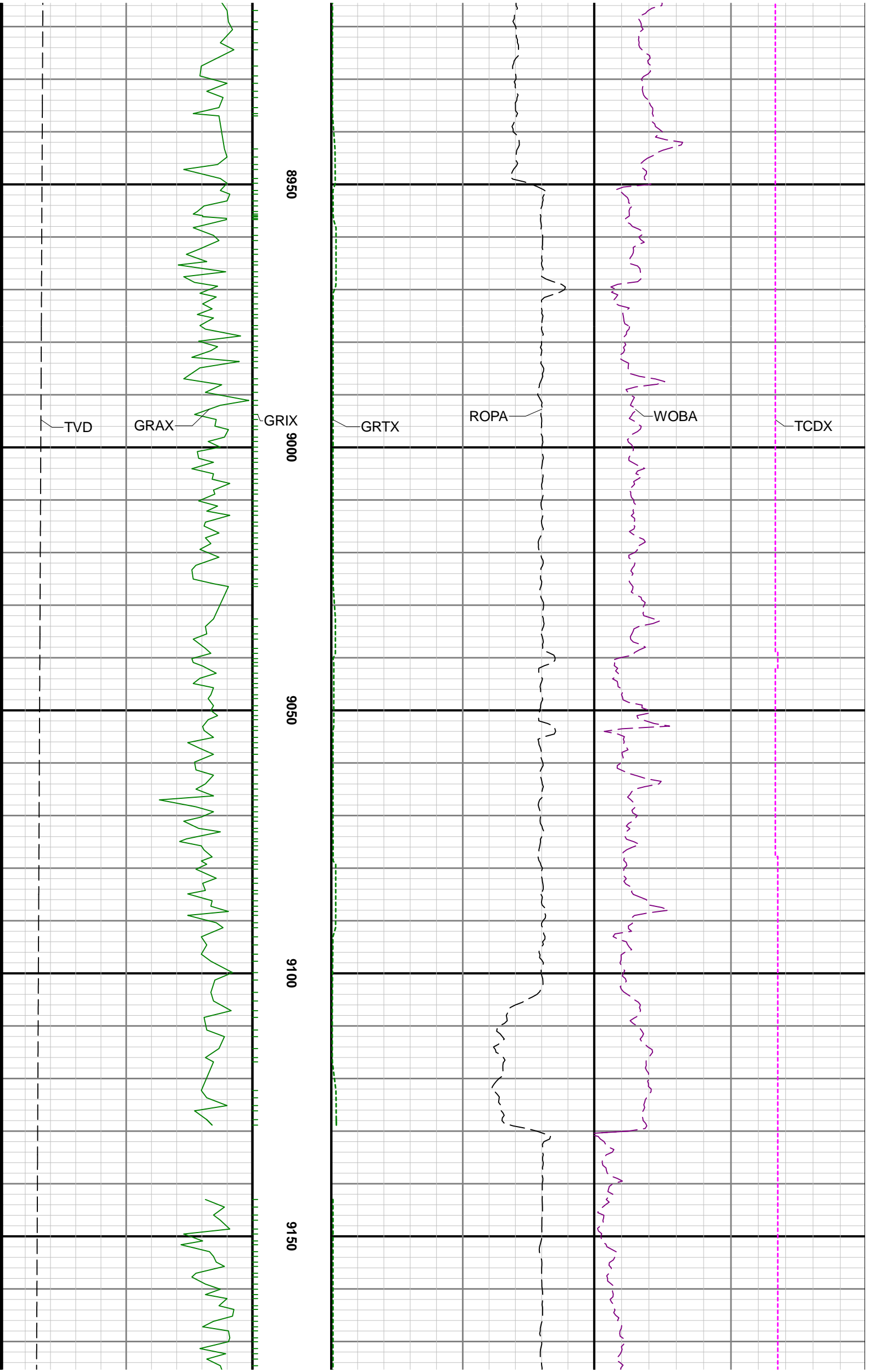














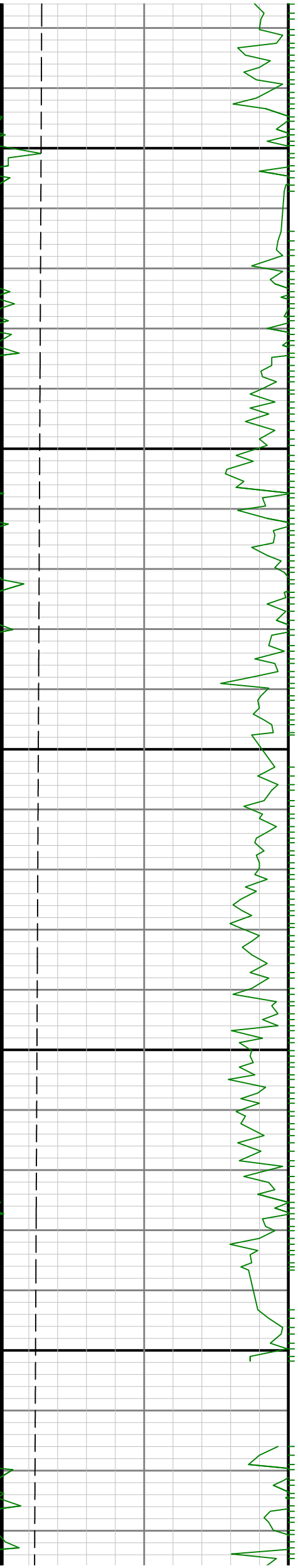
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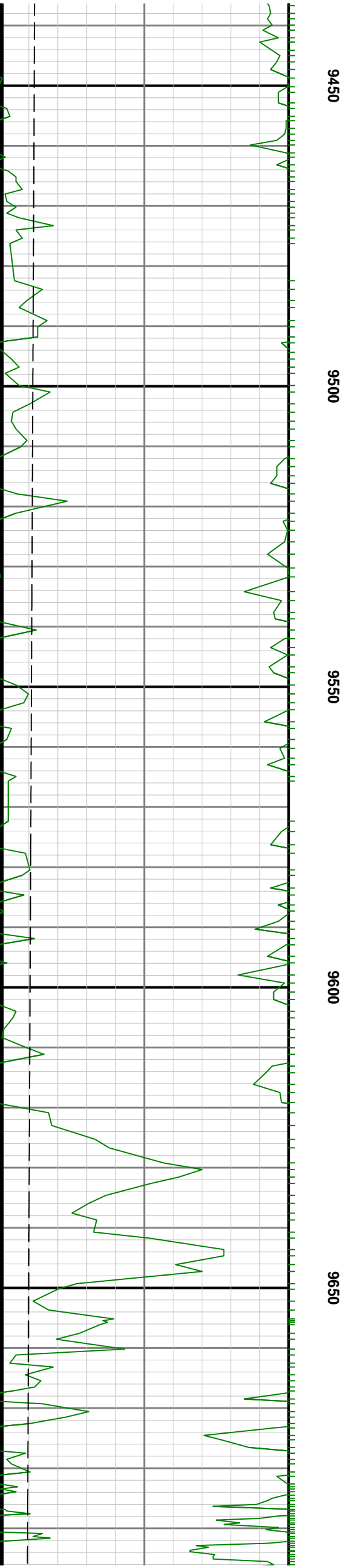
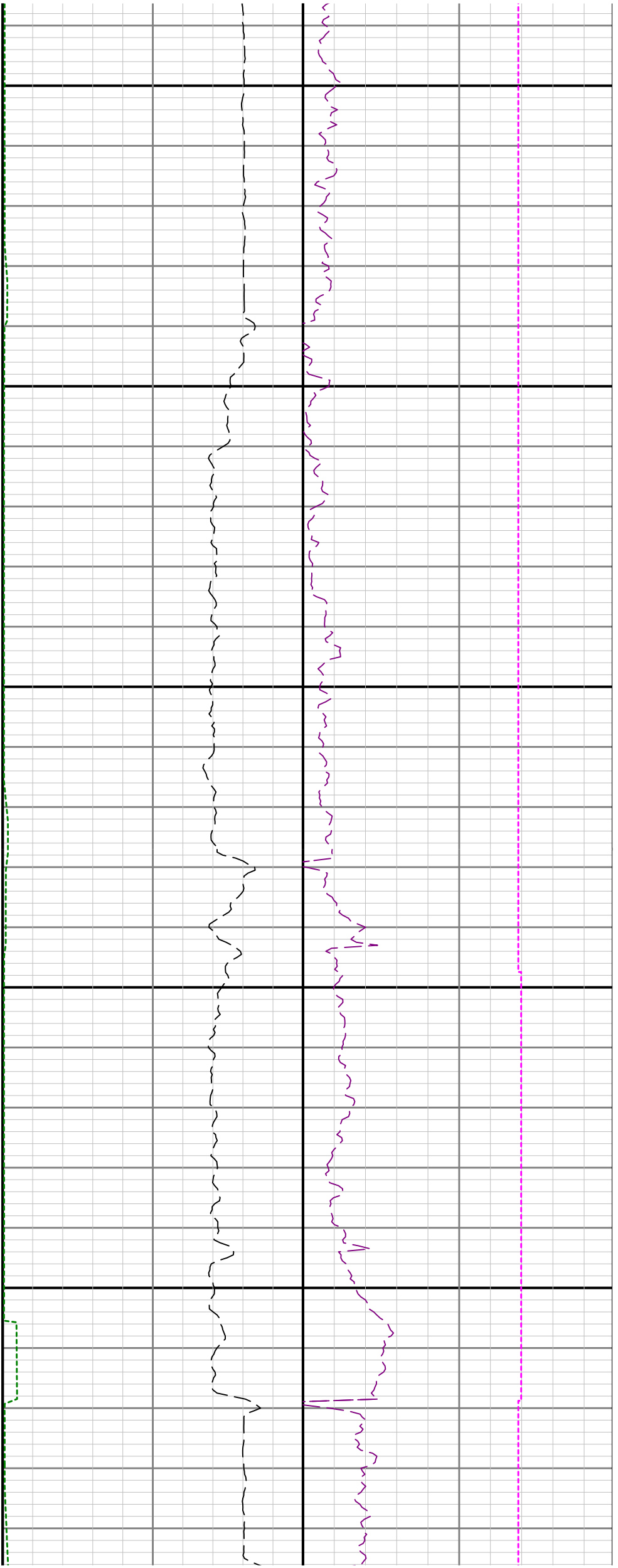
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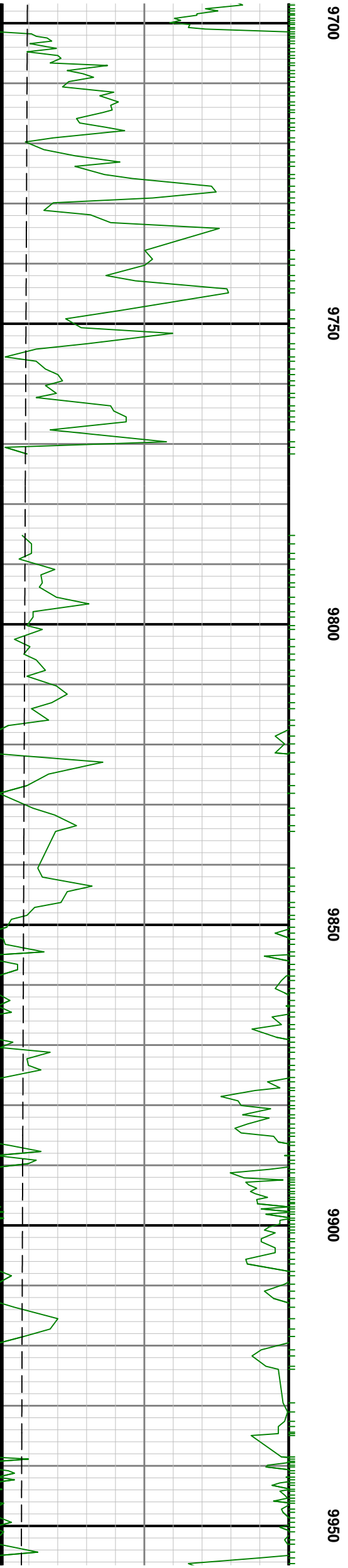
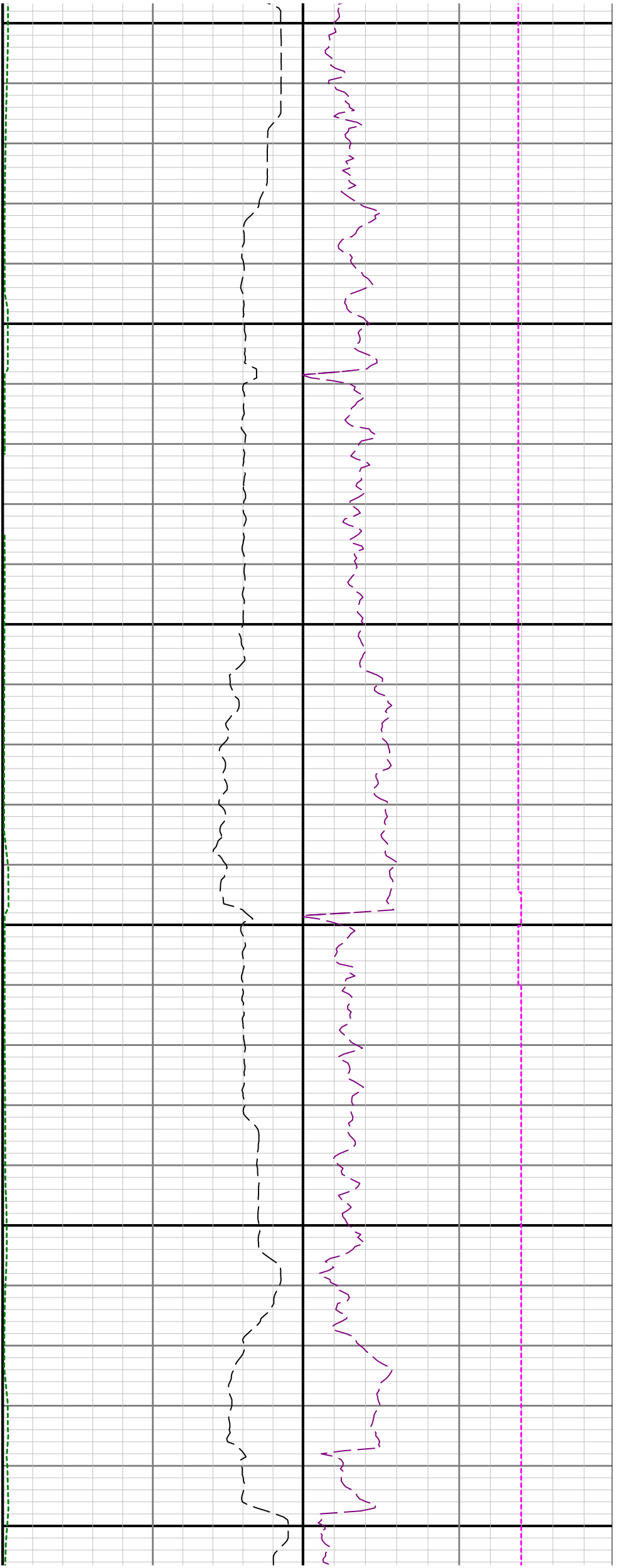
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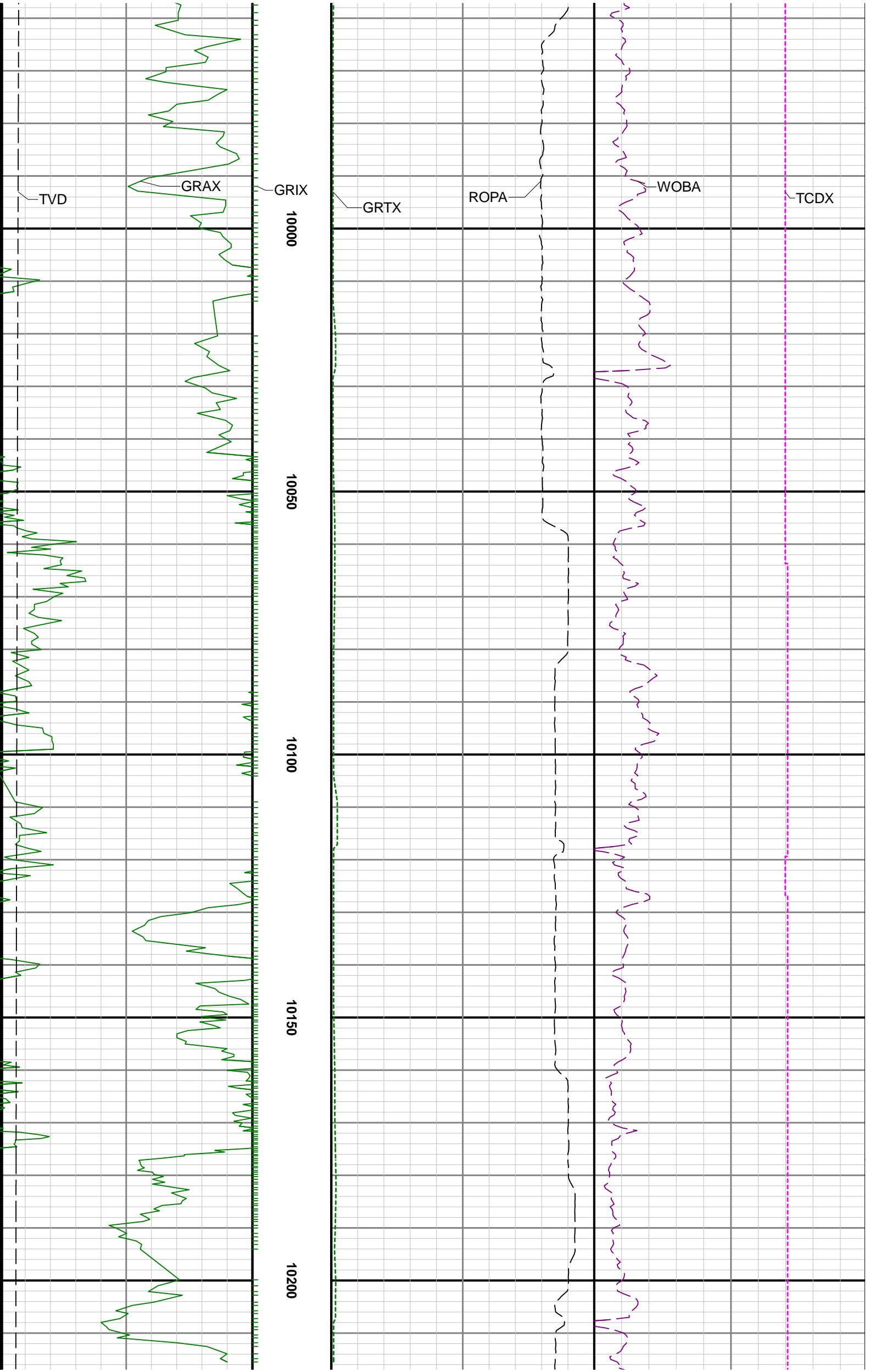
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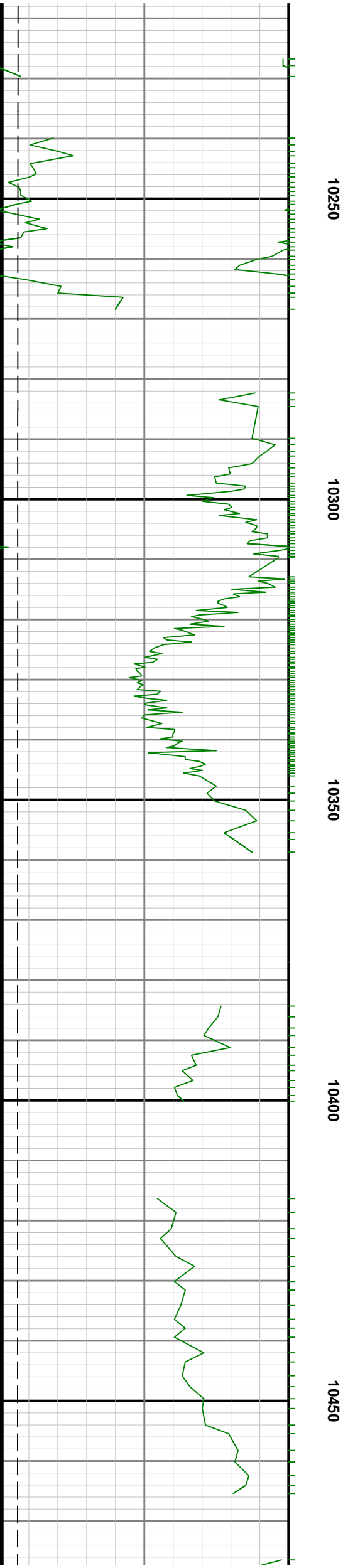
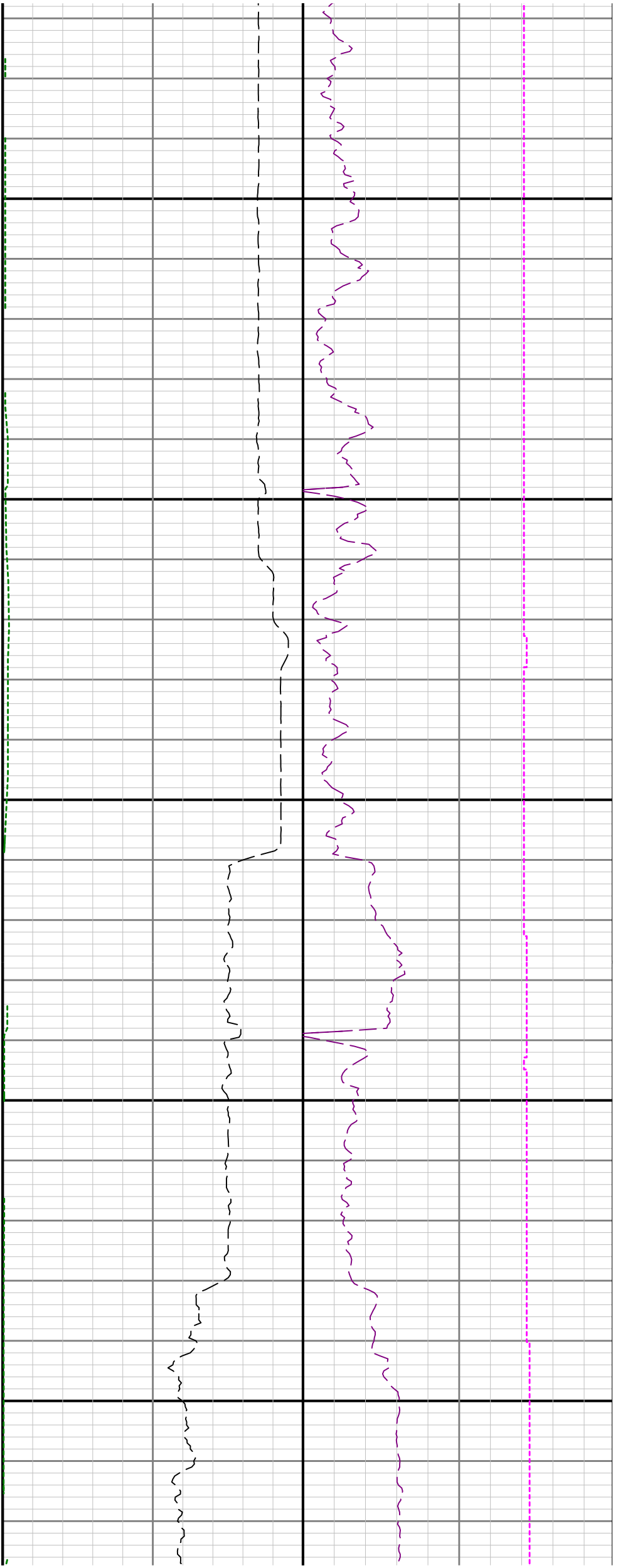
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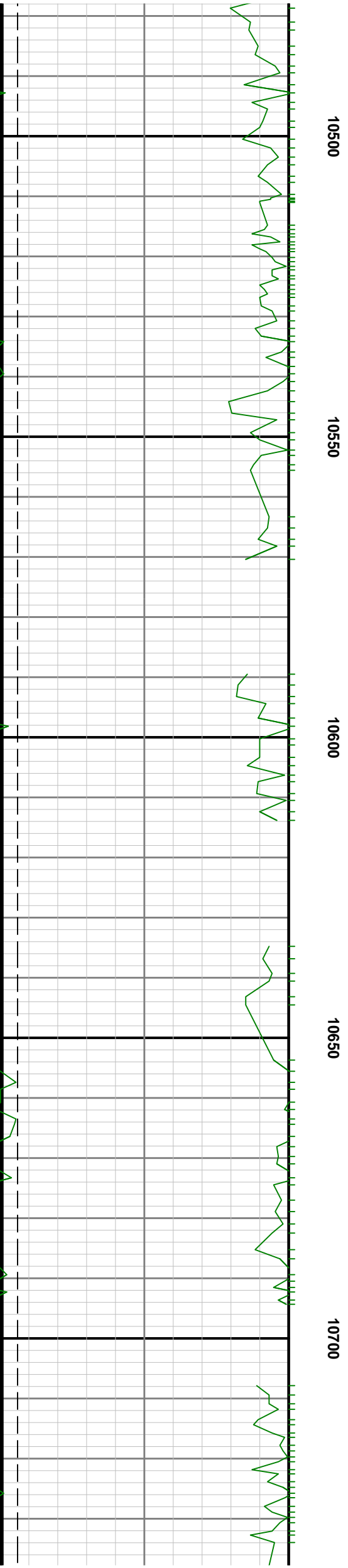
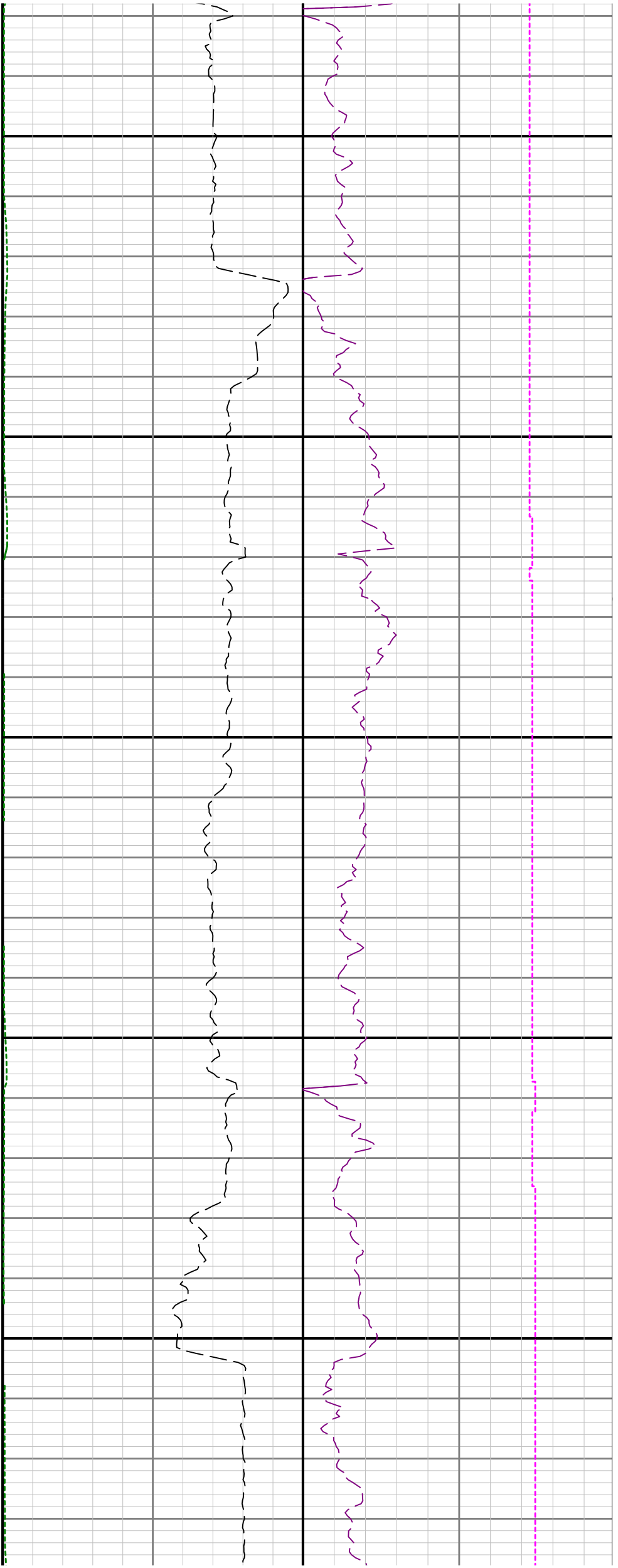


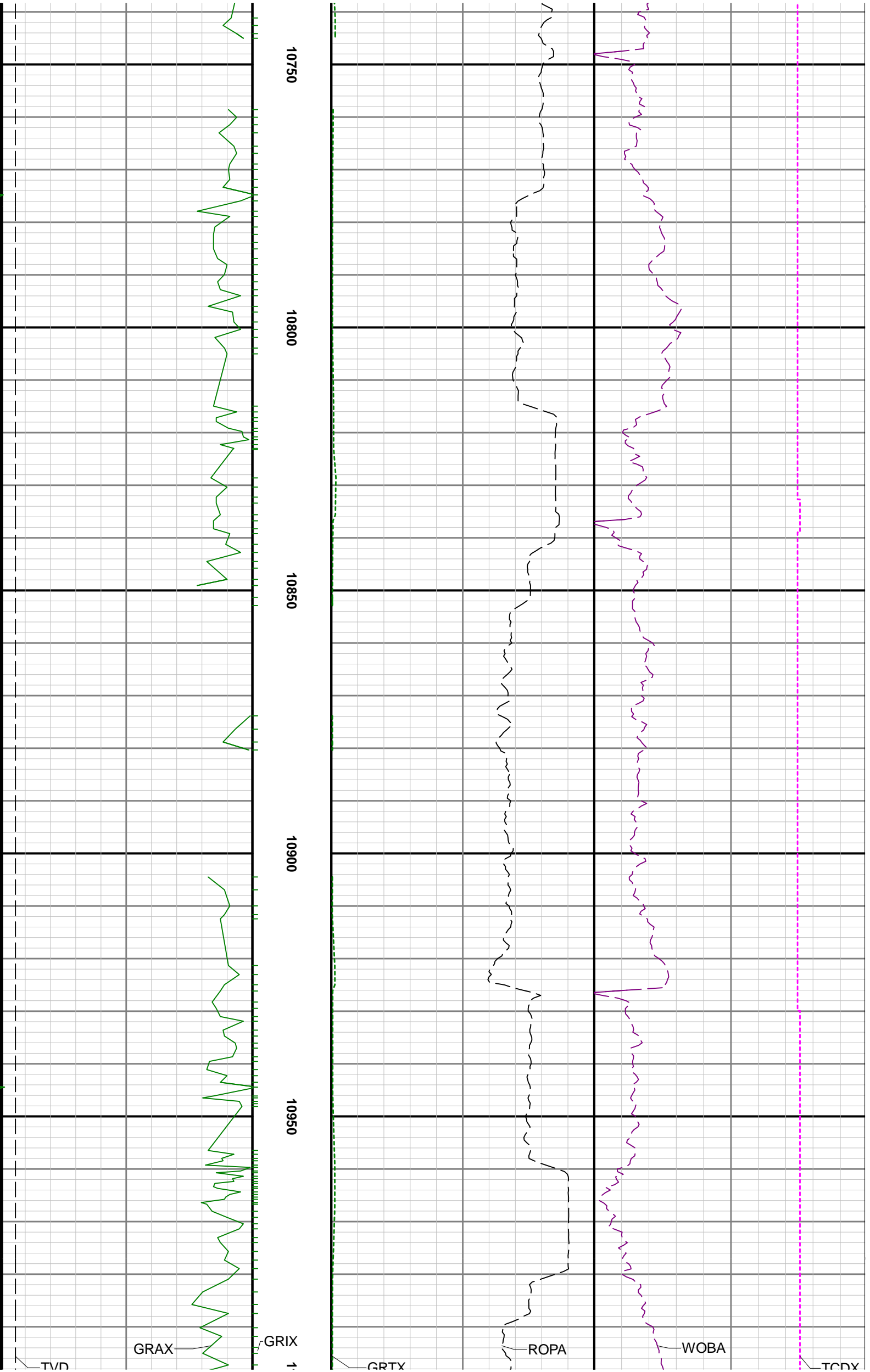


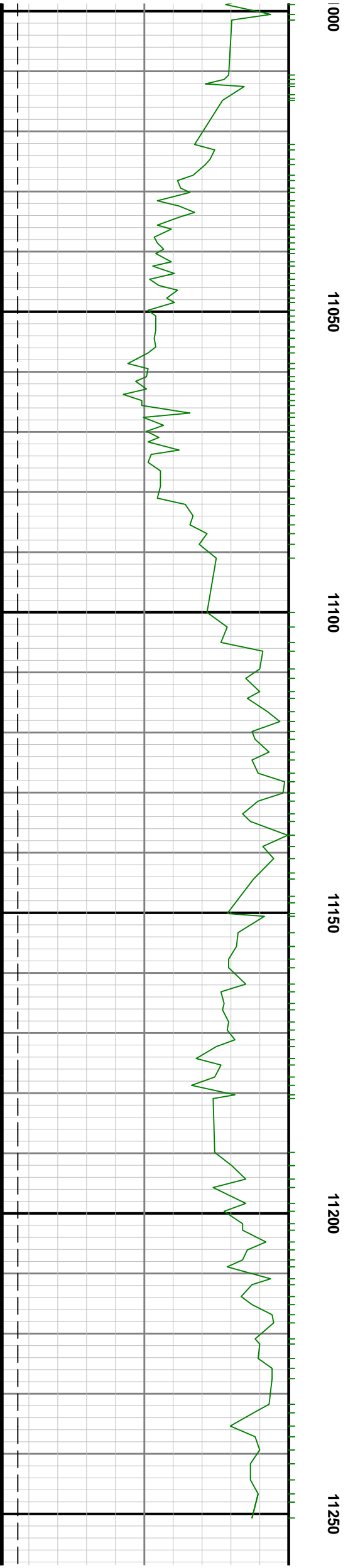
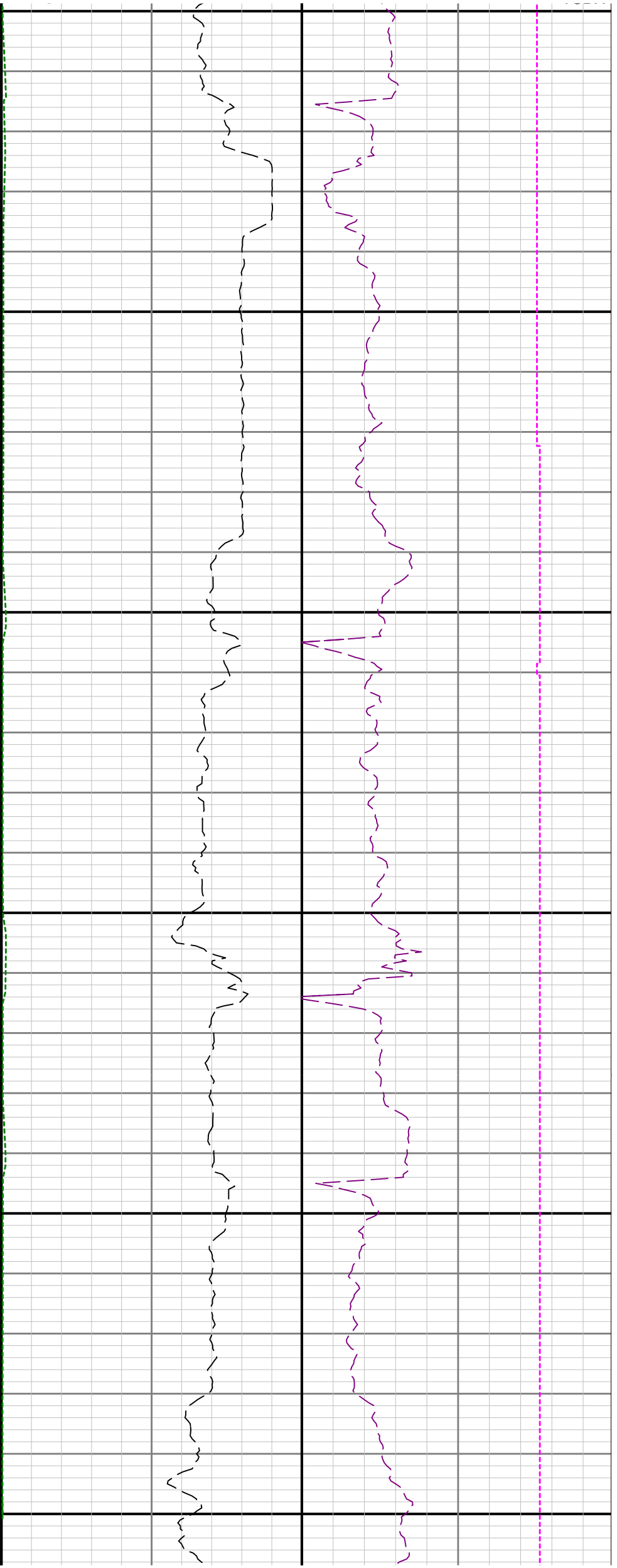


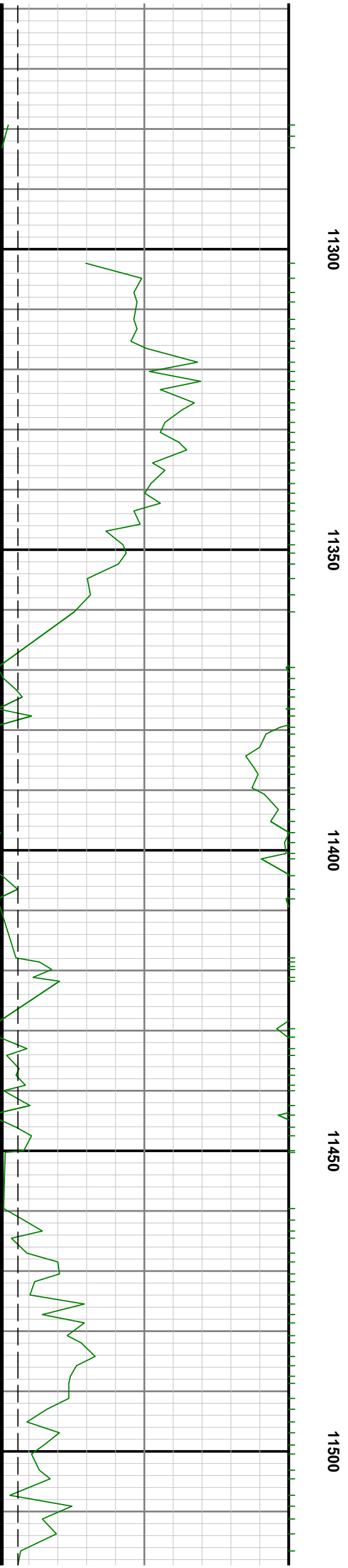
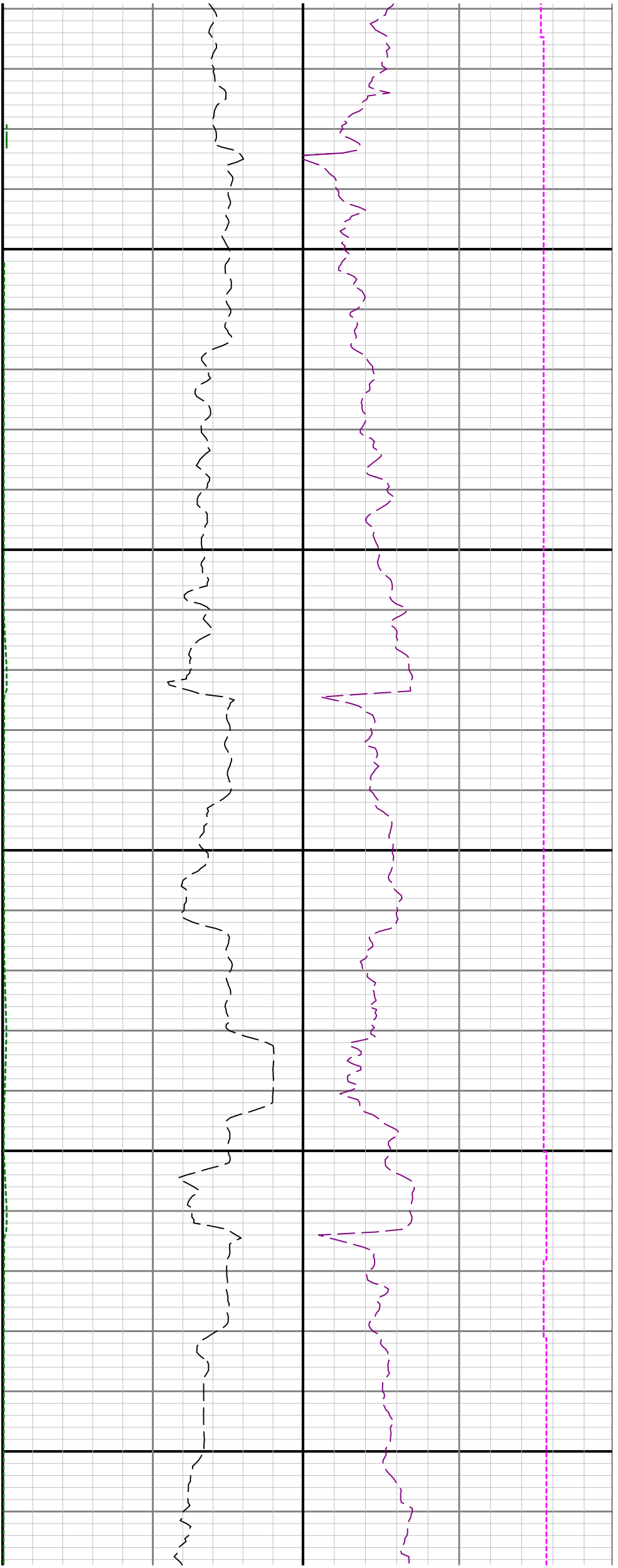


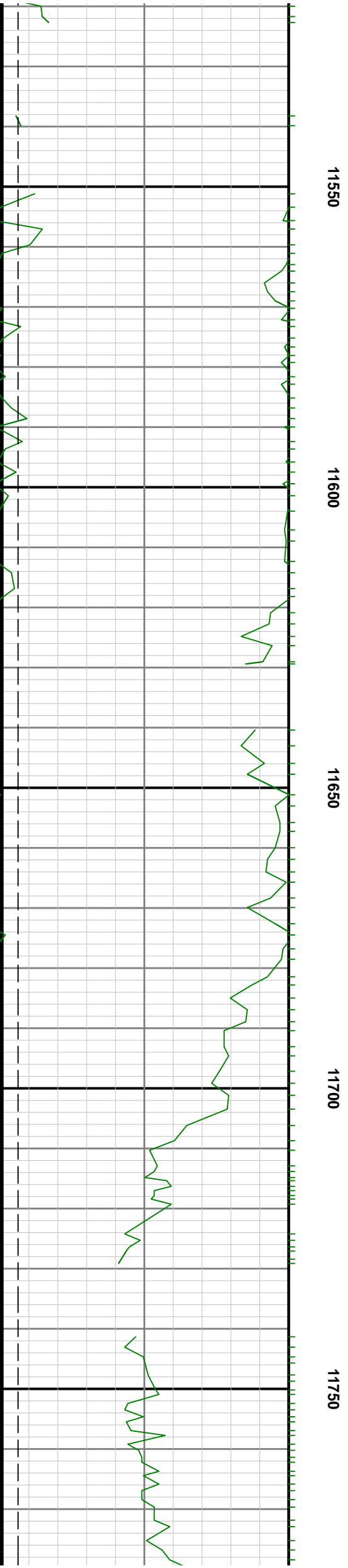
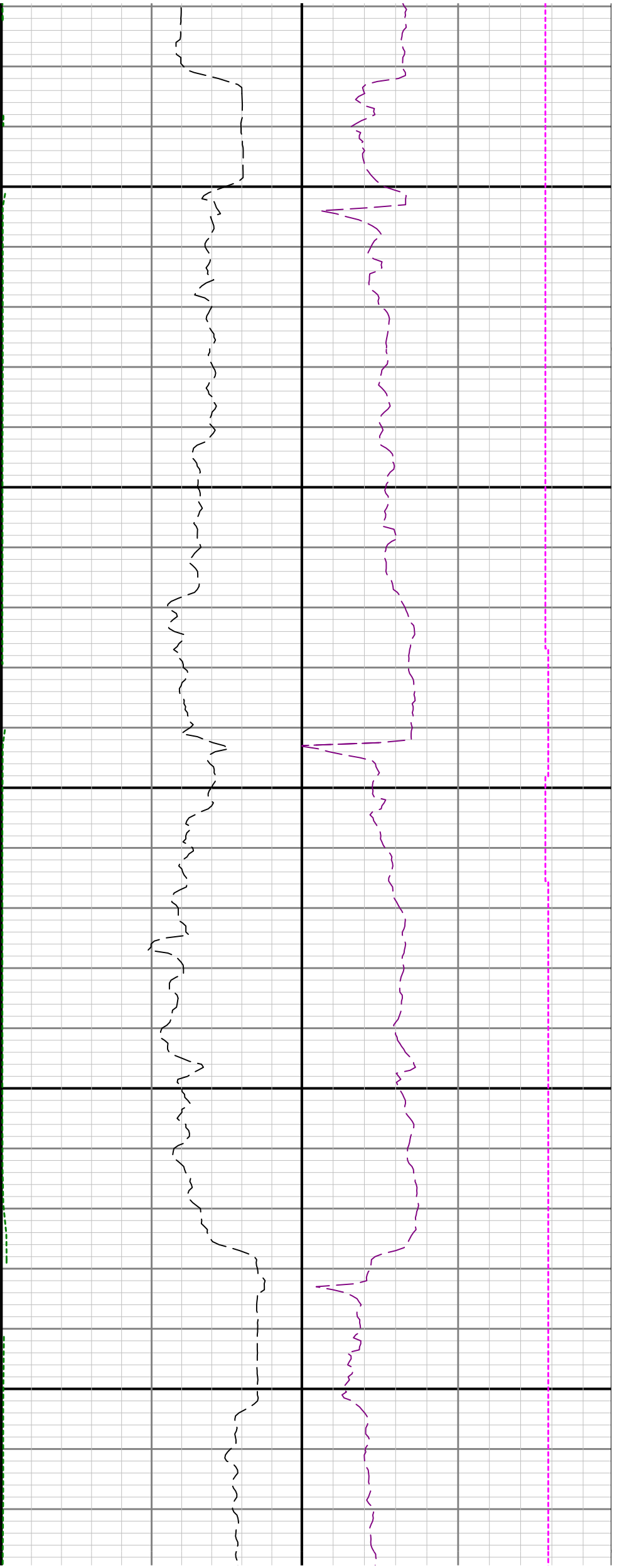


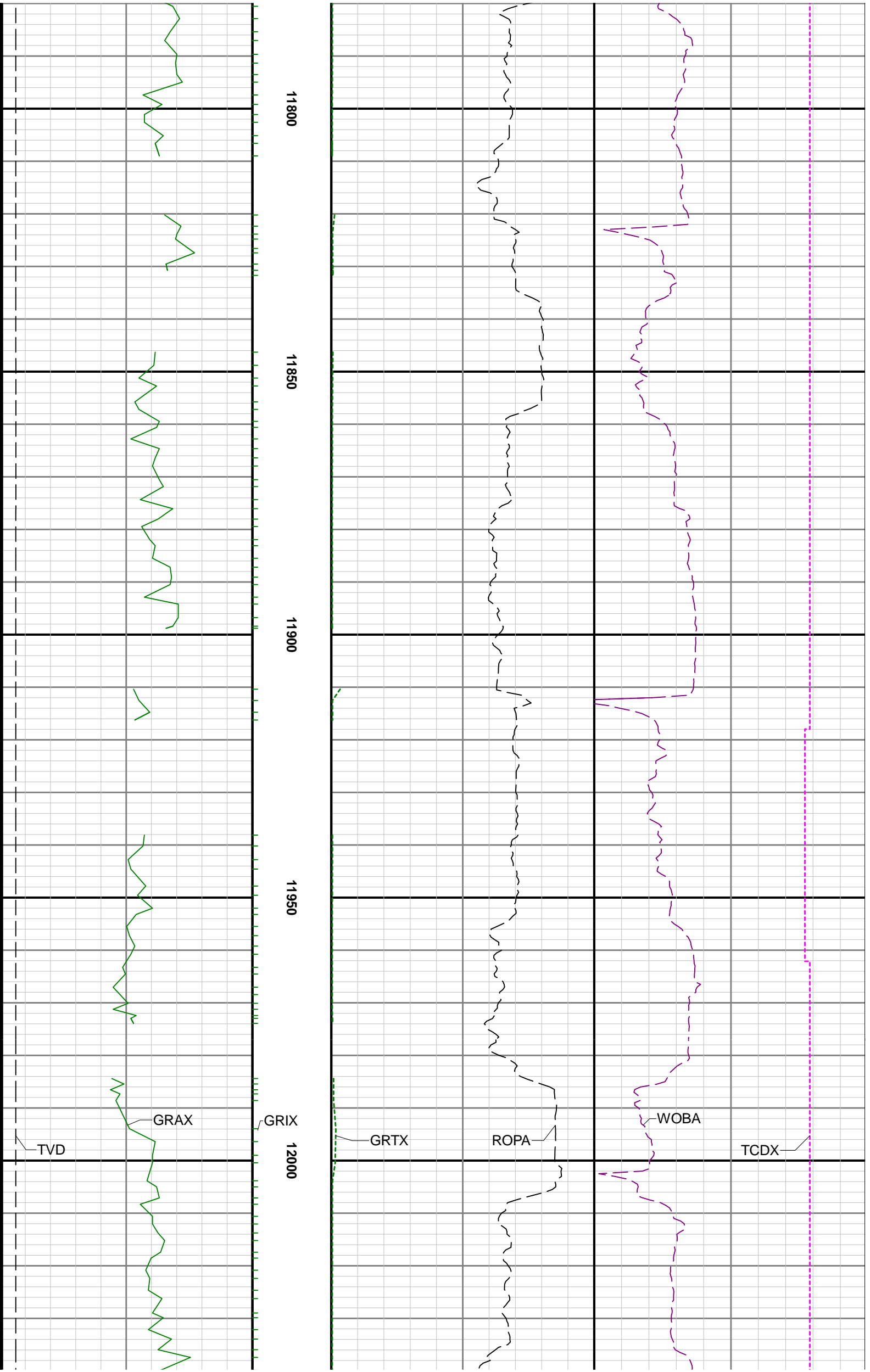


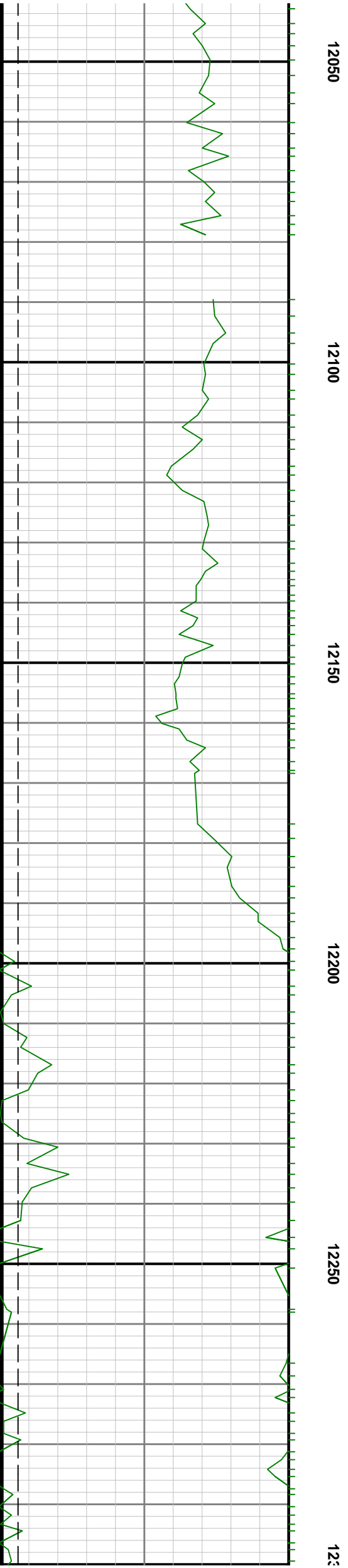


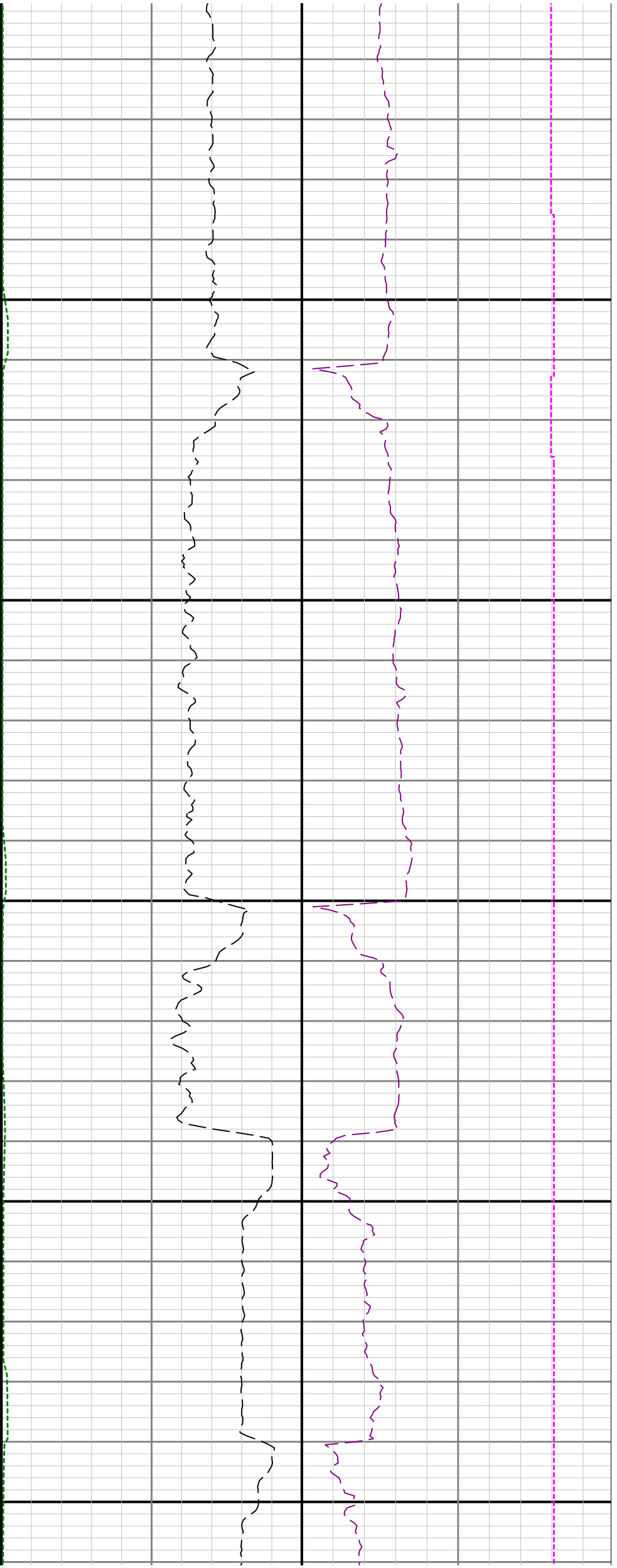












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12350

12400

12450

12500

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