


<div><div>PHOENIX TECHNOLOGY SERVICES</div></div> <div>MD 1:240 Feet</div> <div>MWD Gamma / ROP (5")</div>			<div>Client:Extraction Oil &amp; Gas</div> <div>Well Name:Stromberger 8</div> <div>API/UWID:05 123 42557 00</div> <div>County:Weld County</div> <div>Permit #:11111111</div> <div>State:Colorado</div> <div>Country:USA</div> <div>Field:DJ Basin</div>			<div>Longitude:104° 52' 15.103 W</div> <div>Latitude:40° 28' 26.616 N</div> <div>Personnel</div>			<div>Rig Name:Patterson 346</div> <div>Job Number:60892</div> <div>Ground Level:4778.00 ft</div> <div>Kelly Bushing:4803.00 ft</div> <div>Permanent Datum:Mean Sea Level</div> <div>Drilling Measured From:Kelly Bushing</div> <div>Spud Date:-</div> <div>Bottom Hole Temp:197.5 °F</div> <div>Log Start Depth:0.00 ft</div> <div>Log End Depth:7420.00 ft</div> <div>Company Representative</div> <div>Todd Stephens</div> <div>Geologist</div> <div>Joe Coon</div> <div>Directional Driller(s)</div> <div>Chris Apodaca</div> <div>Colby Hansen</div> <div>MWD Operator(s)</div> <div>Brian Murphy</div> <div>Kevin Hursh</div> <div>Howard Becker</div>			<div>Comments:</div> <div>Main Leg</div>			<div>PHOENIX TECHNOLOGY SERVICES, LP ("PHOENIX") DOES NOT MAKE AND EXPRESSLY DISCLAIMS ALL WARRANTIES, REPRESENTATIONS AND CONDITIONS, WITH RESPECT TO THE INFORMATION CONTAINED IN THIS DOCUMENT, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED OR ARISING FROM CONTRACT OR OTHERWISE, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, ADEQUACY, ACCURACY AND FITNESS FOR A PARTICULAR PURPOSE. PHOENIX MAKES NO WARRANTY, REPRESENTATION OR AGREEMENT, AND PHOENIX DOES NOT AGREE TO ANY SUCH WARRANTIES, REPRESENTATIONS OR AGREEMENTS. PHOENIX DOES NOT WARRANT THAT THE INFORMATION (OR THE USE THEREOF) WILL BE FREE OF ALL ERRORS OR THAT IT DOES NOT INFRINGE ANY THIRD PARTY RIGHTS. ANYONE USING THE INFORMATION AGREES TO INDEMNIFY AND HOLD PHOENIX HARMLESS FROM ALL CLAIMS, ACTIONS, COSTS (INCLUDING LEGAL COSTS ON A SOLICITOR AND HIS OWN CLIENT BASIS) AND LIABILITIES ARISING FROM OR IN CONNECTION WITH THE USE OF THE INFORMATION.</div>		
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Operational Run Summary60892

	Run 1	Run 2				
Run Start Depth (ft)	0.00	7419.70				
Run End Depth (ft)	7419.70	16782.25				
Run Start Date	4/5/2017	4/6/2017				
Run Start Time	5:11 AM	11:29 PM				
Run End Date	4/6/2017	4/9/2017				
Run End Time	6:49 PM	5:02 AM				

Tool Information Summary60892

	Run 1	Run 2				
Gamma Probe Serial No	EB0046/EGNF0077	EB0046/EGNF0077				
Probe Cal Ratio	1	1				
Gamma Scale Factor	2.875	2.875				
Tool Carrier ID (in)	4.490	4.490				
Tool Carrier OD (in)	6.500	6.500				
Survey-to-Bit (PTB) (ft)	72.63	73.00				
Gamma-to-Bit (GTB) (ft)	71.44	69.64				
Annular Pressure-to-Bit (APTb) (ft)	0.00	0.00				

Borehole Fluids and Measurements Summary60892

	Run 1	Run 2				
Hole Size (in)	8.50	0.00				
Casing Start Depth (ft)	0.00	0.00				
Casing End Depth (ft)	1524.00	0.00				
Casing ID Size (in)	0.625	0.000				

Log 1:240

Index Scale: 1:240    Index Unit: Feet    Index Type: MD    Creation Date: April 09, 2017 06:05

A blank graph paper template with a vertical axis labeled from 0 to 180 in increments of 10. The graph area is divided into two equal halves by a central vertical line, each containing a grid of 10 columns and 18 rows. The left half is shaded light blue, and the right half is shaded light orange. A small black arrow points to the top of the vertical axis.

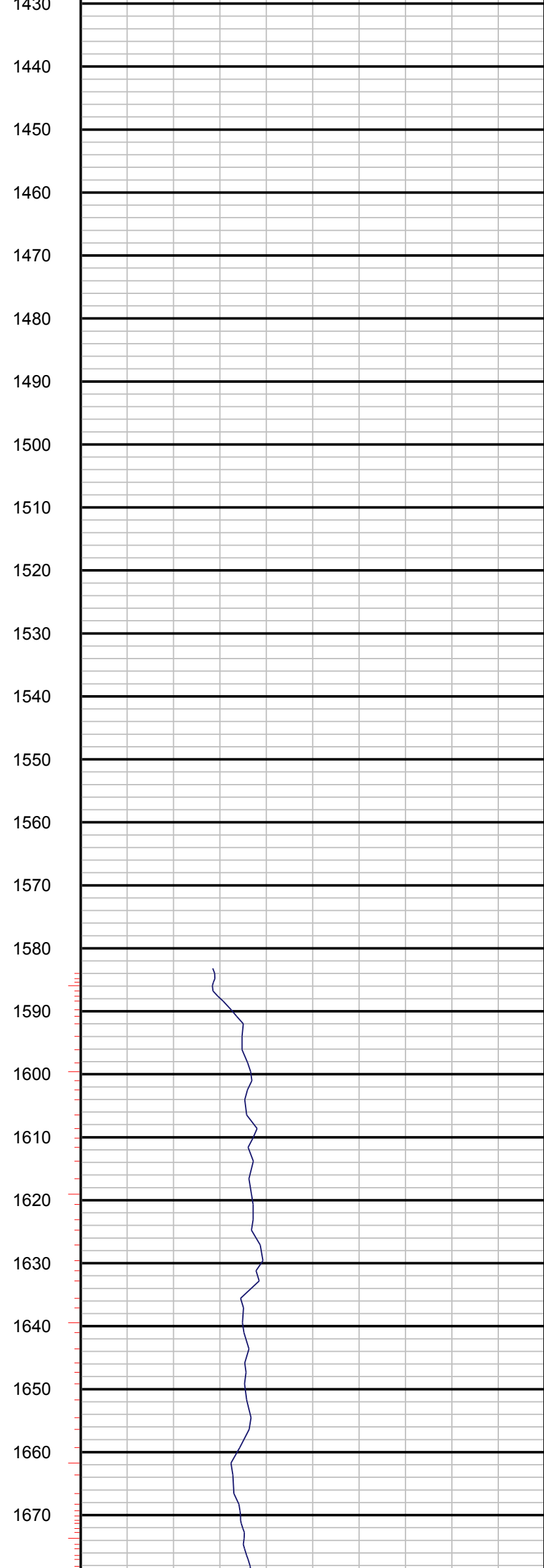
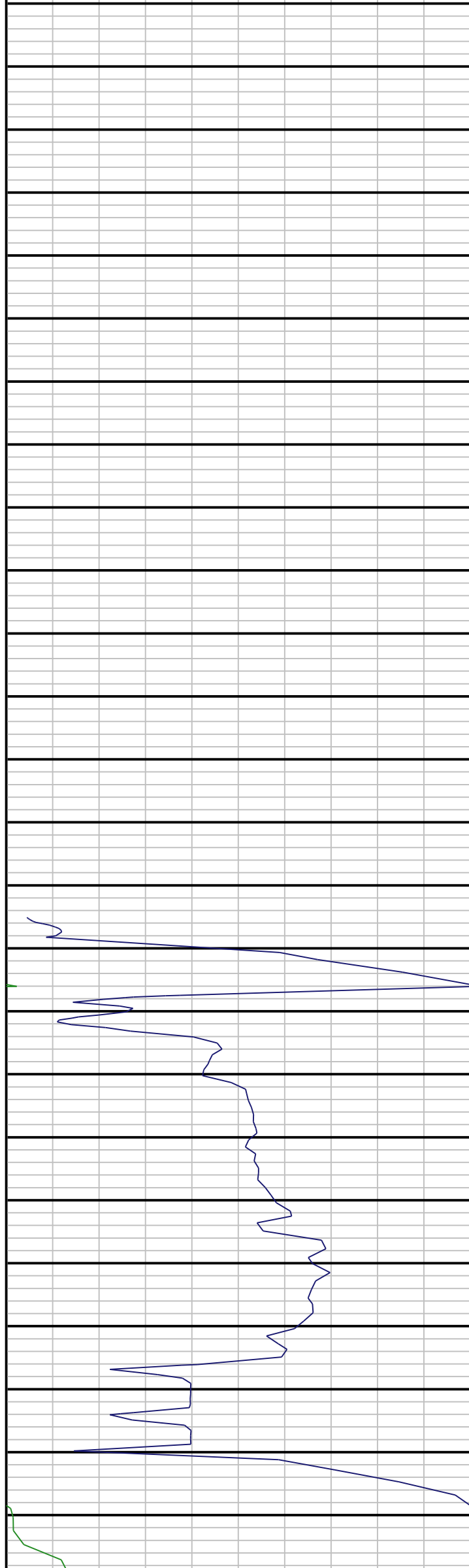
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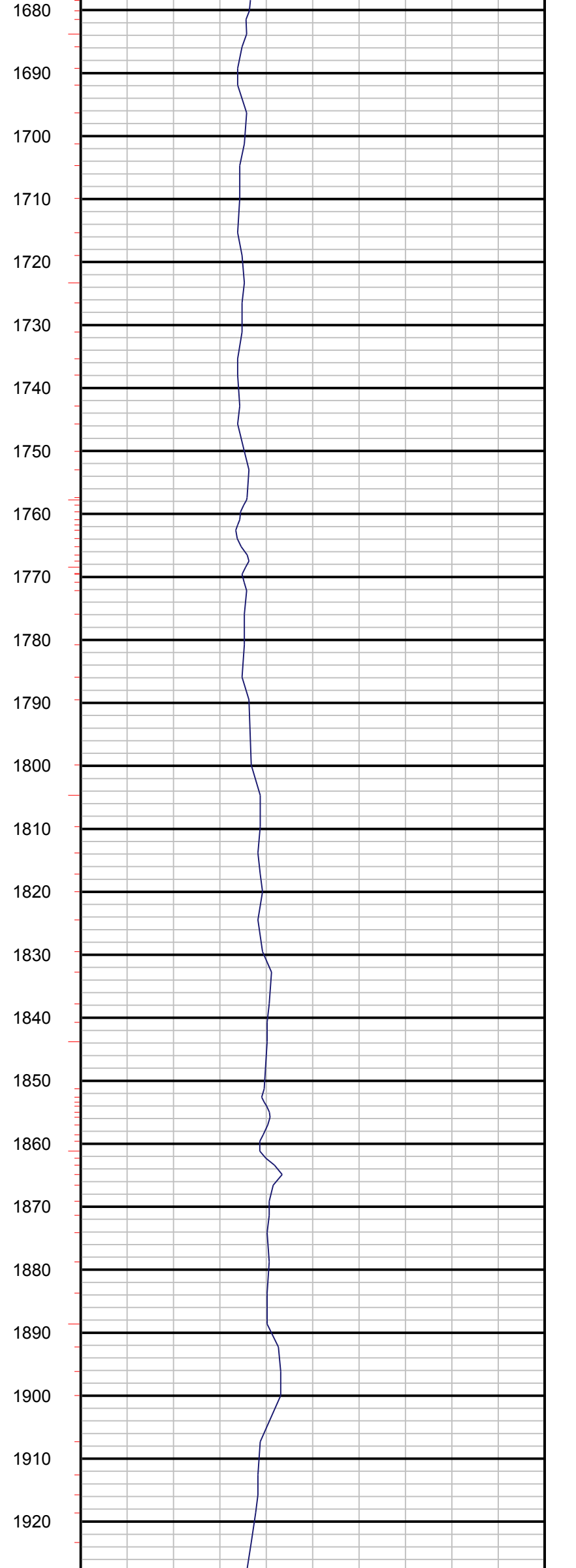
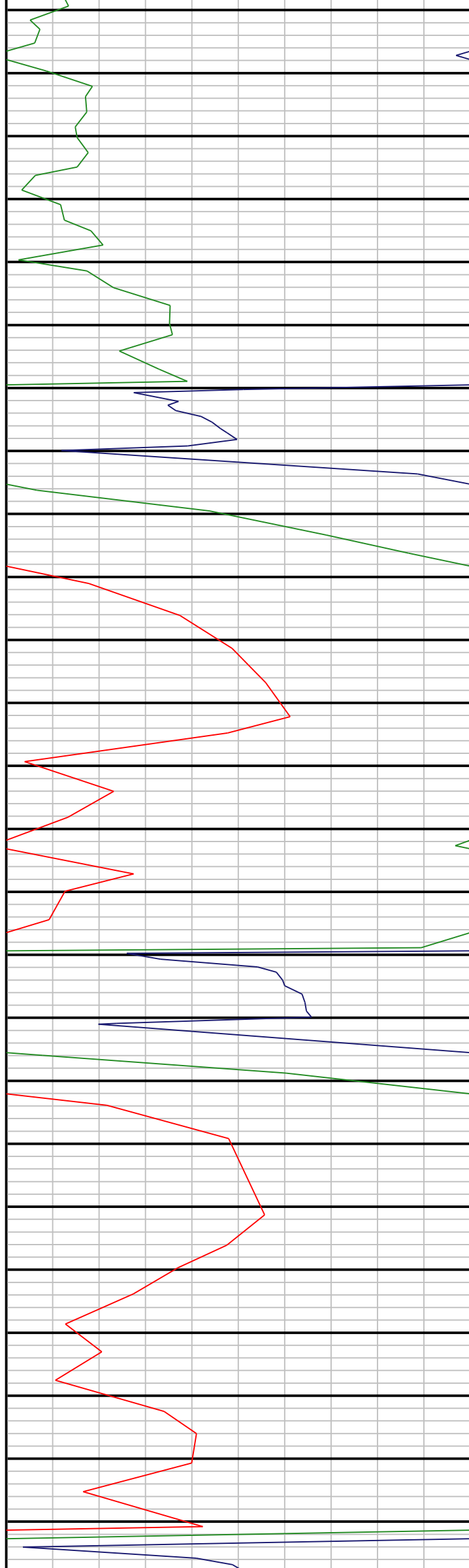
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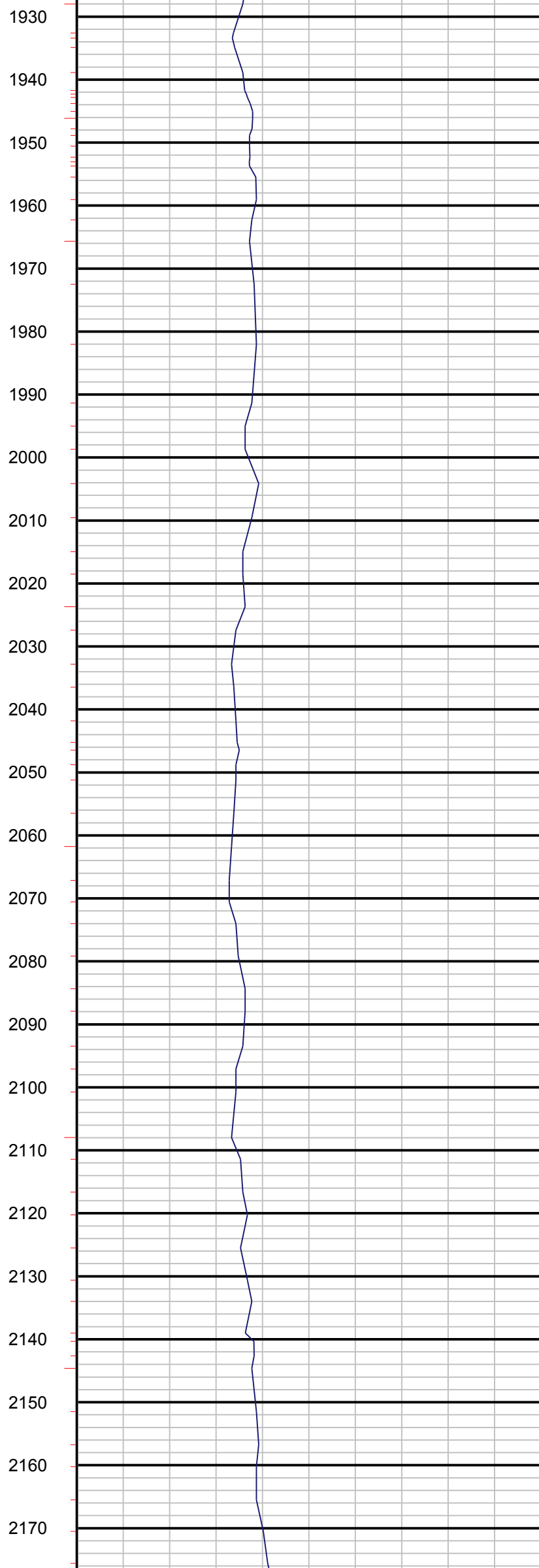
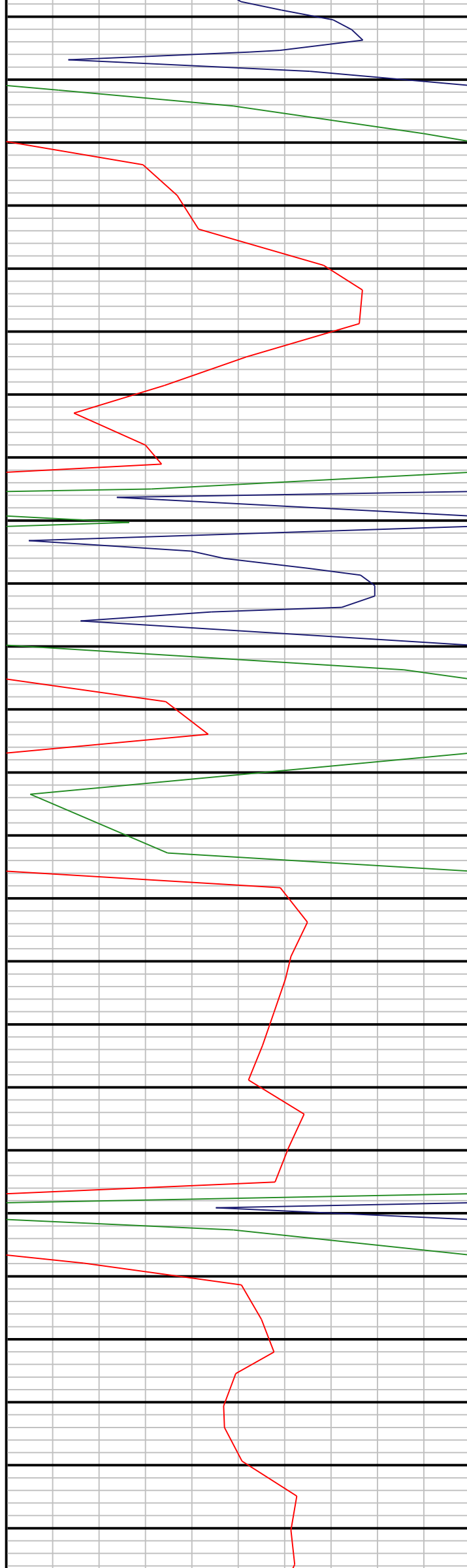
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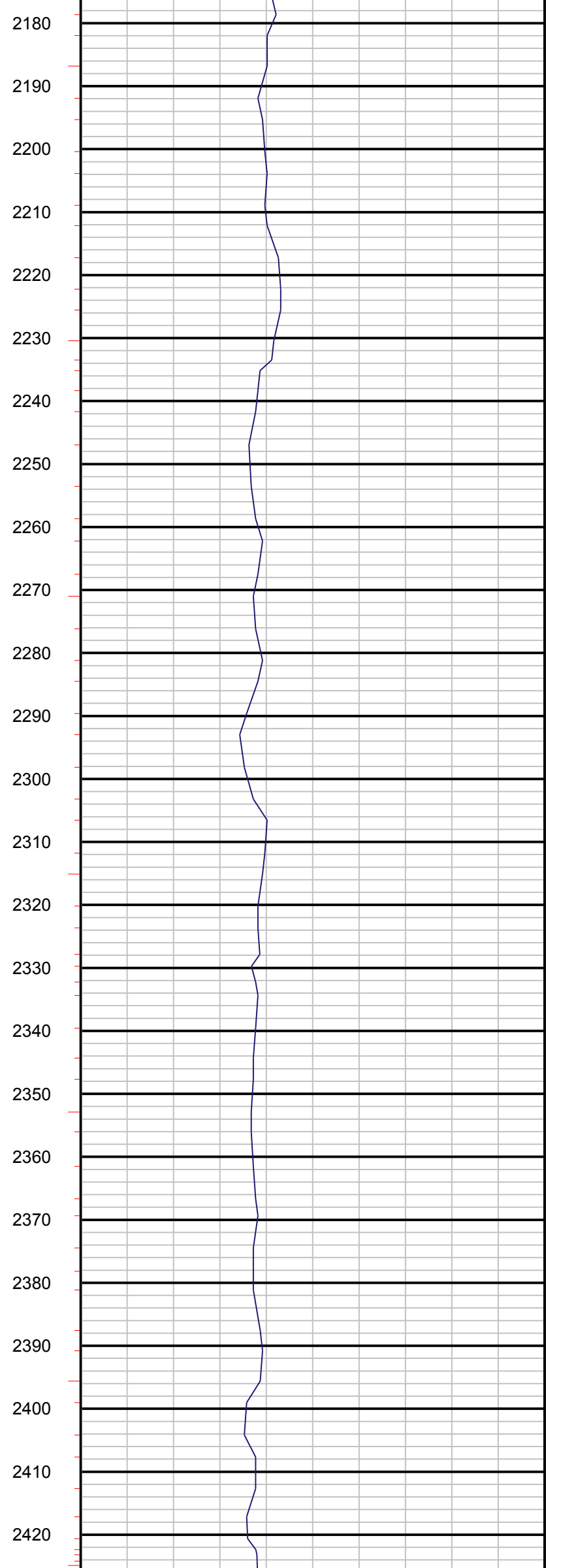
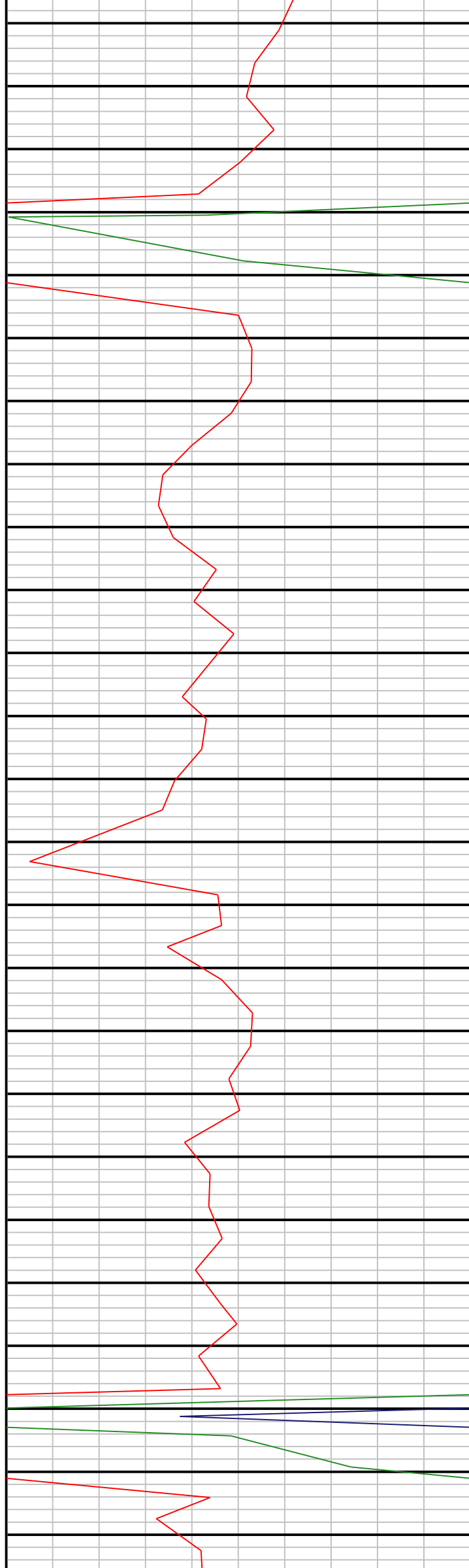
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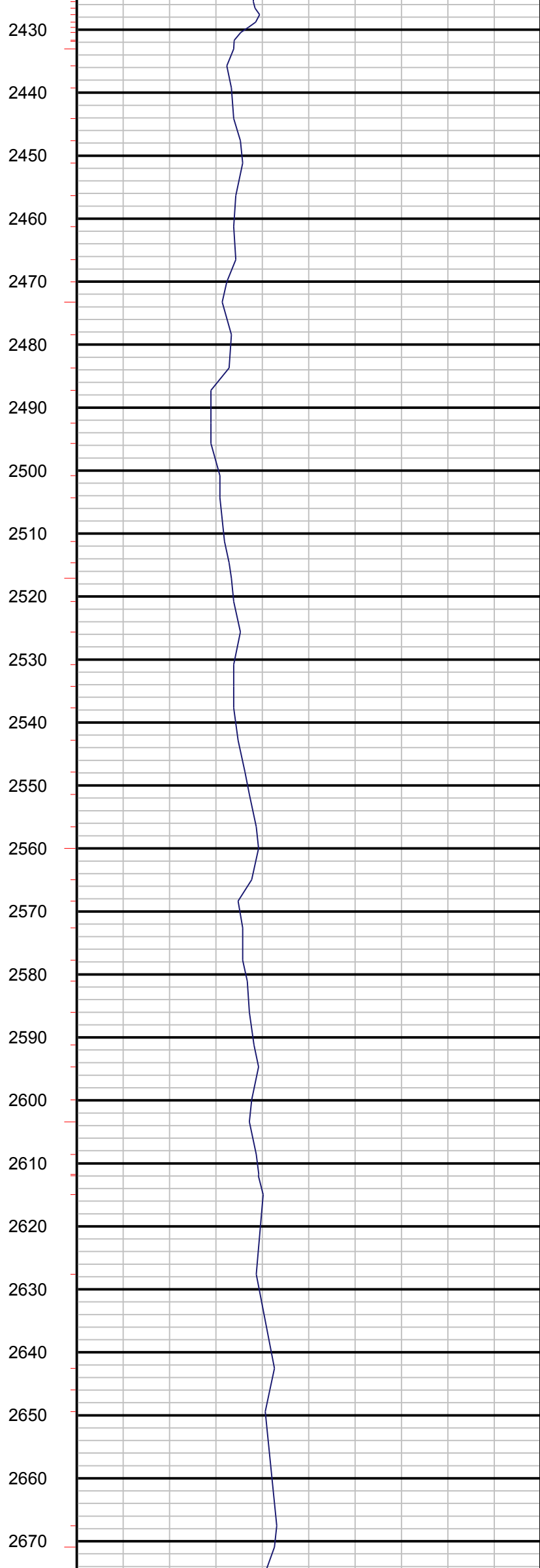
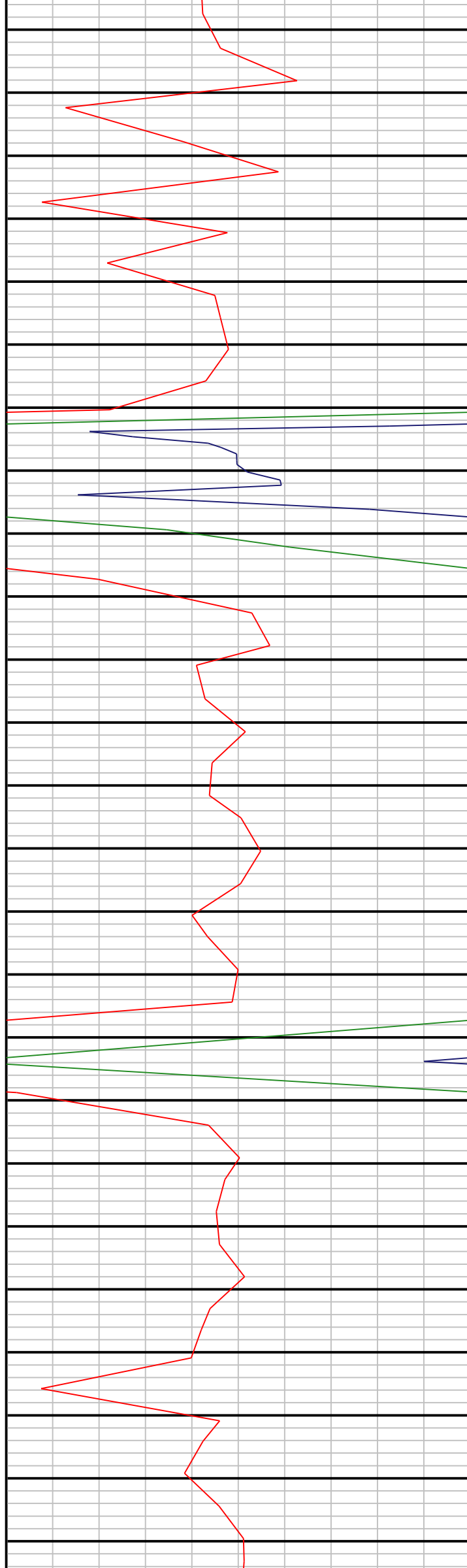
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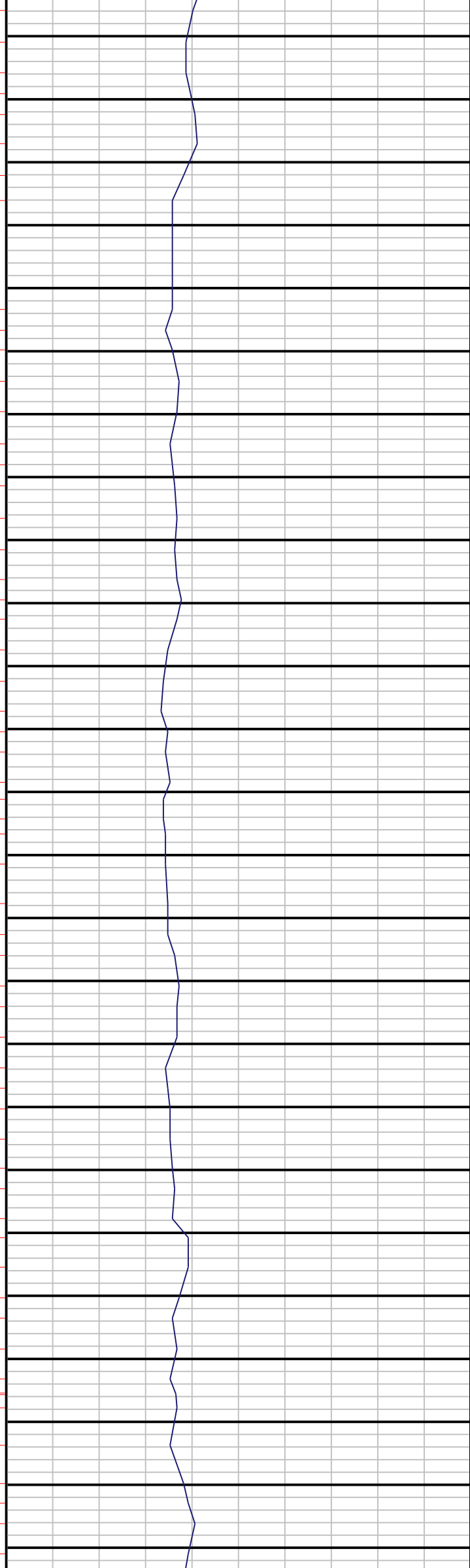
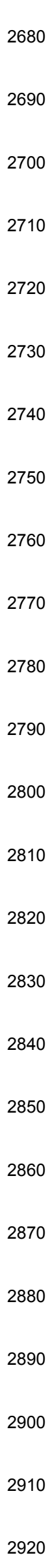
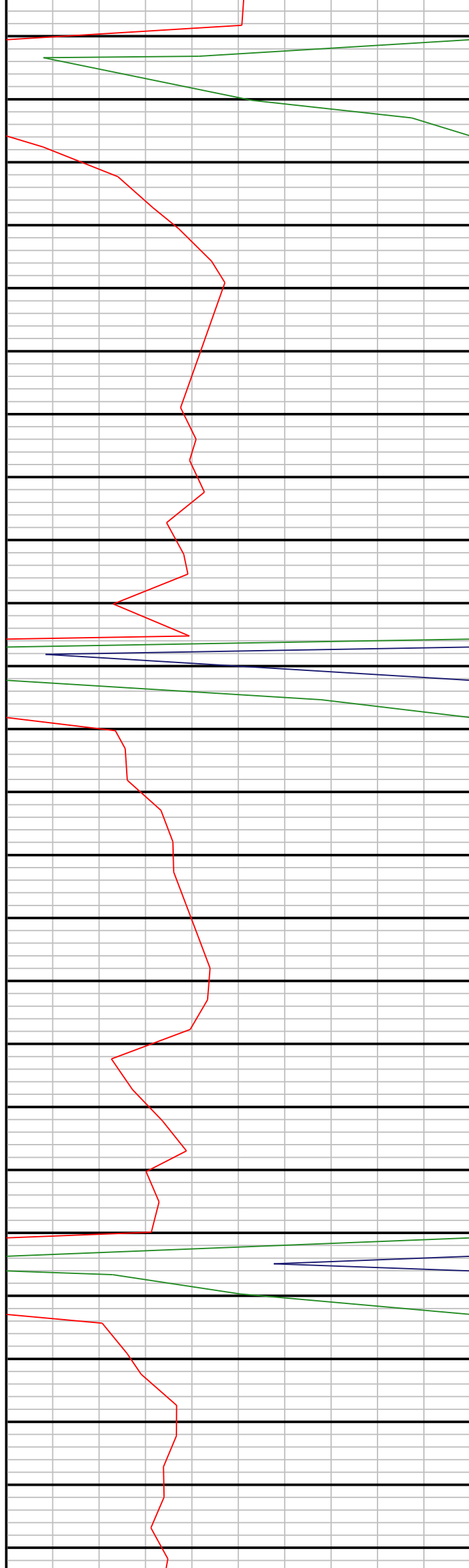


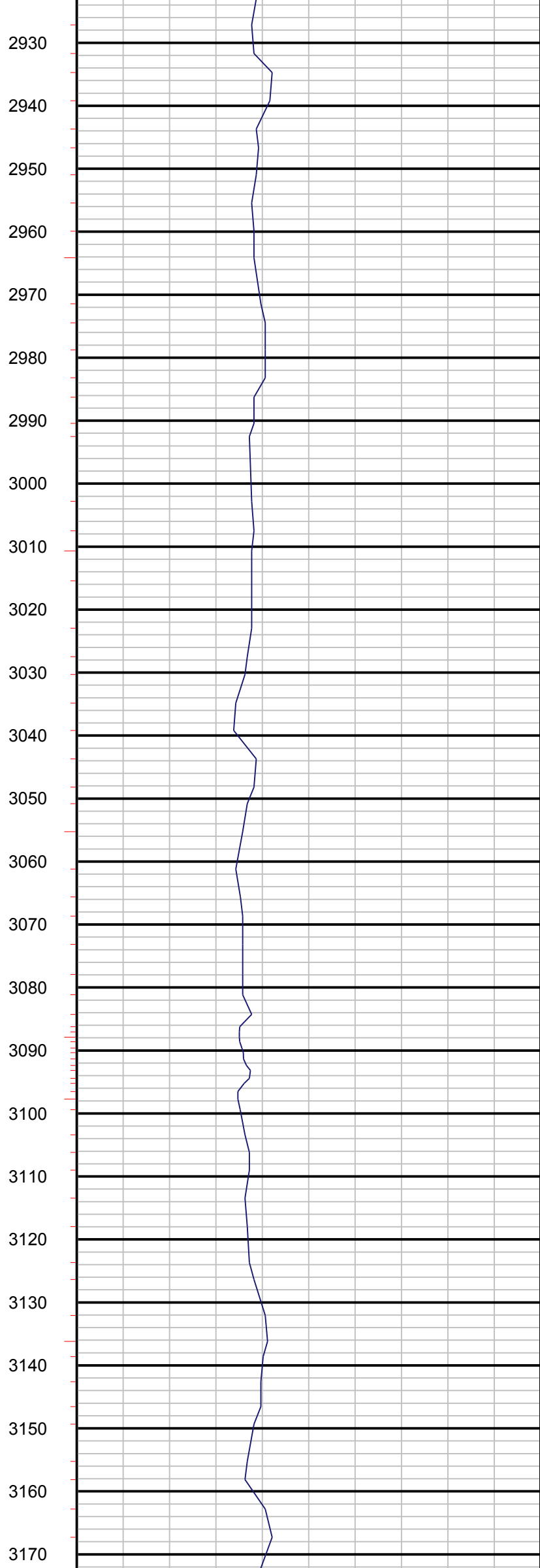
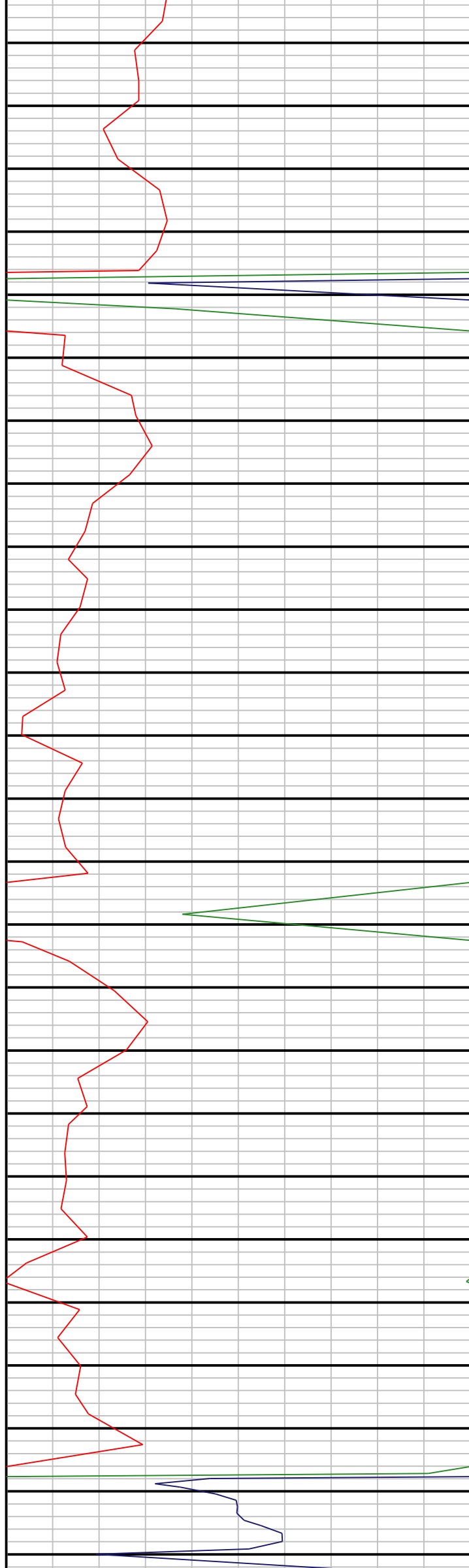


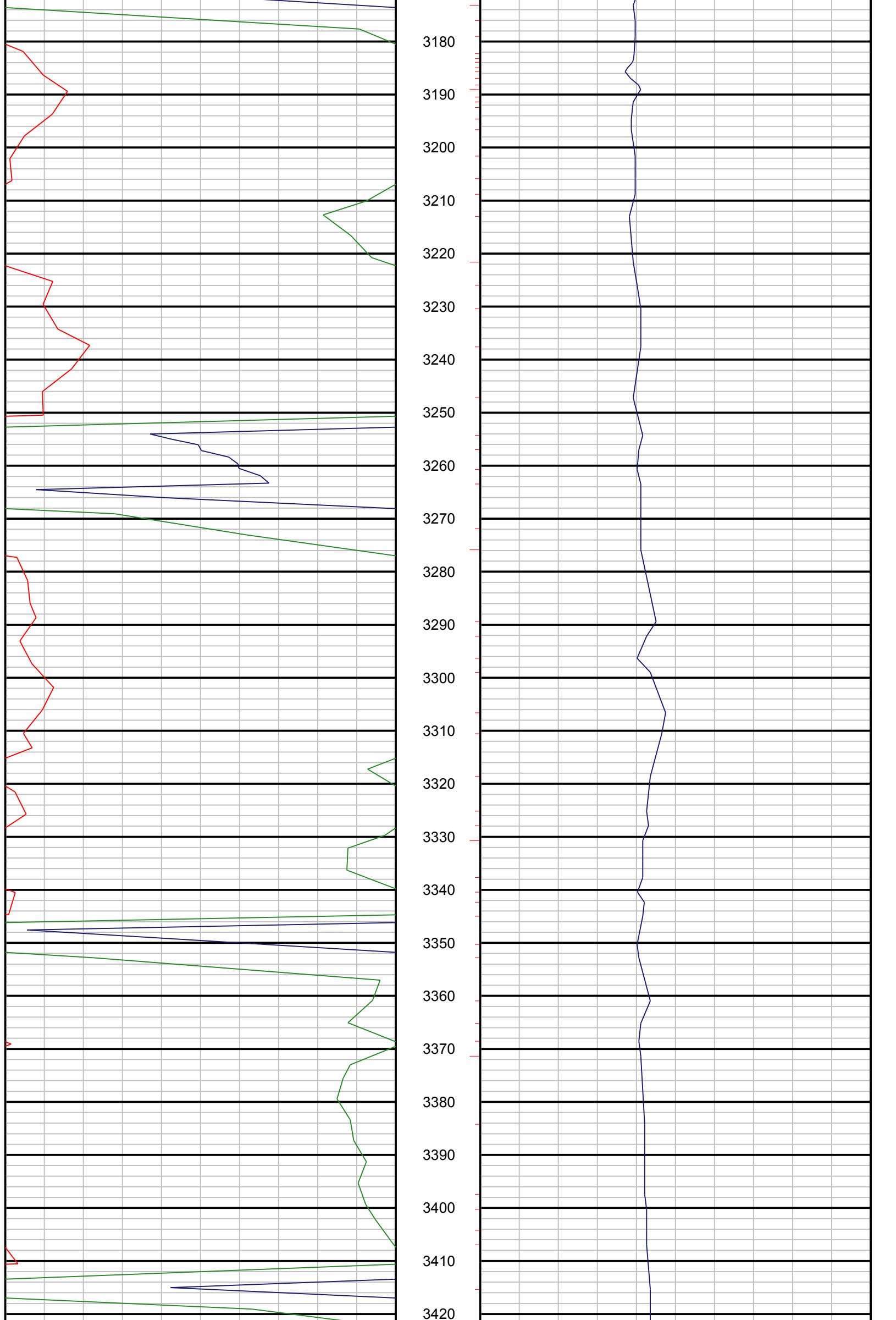


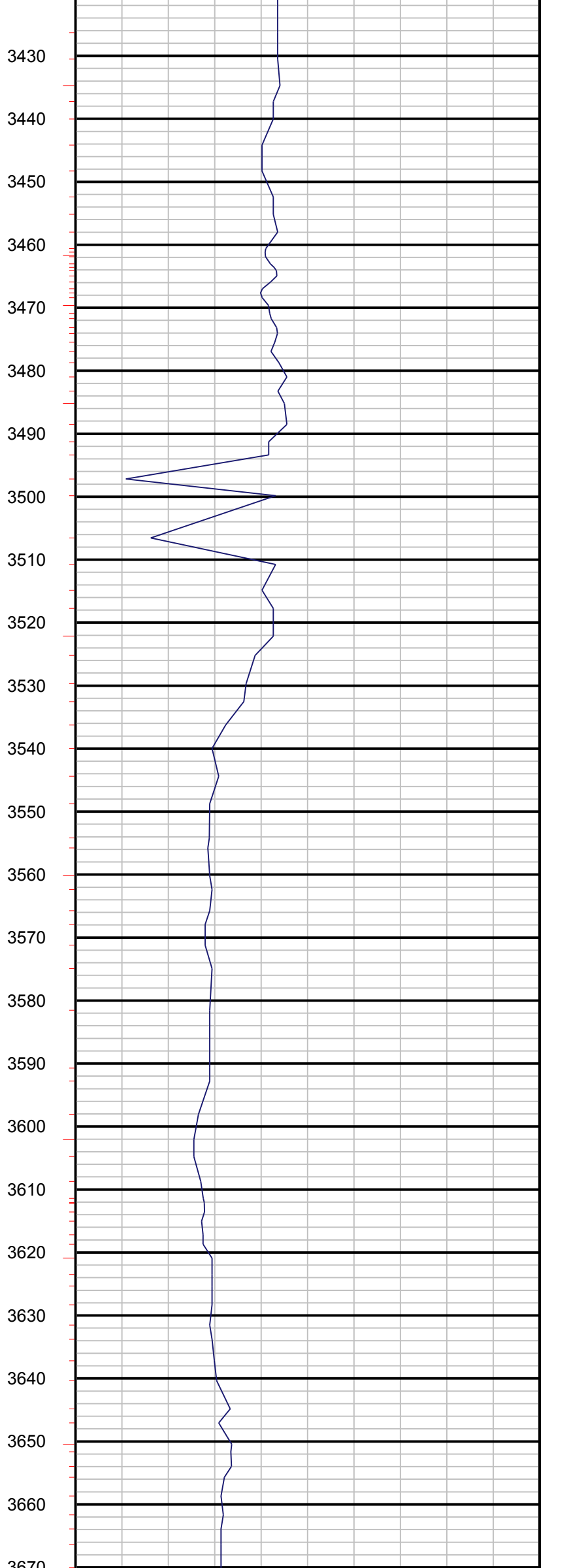
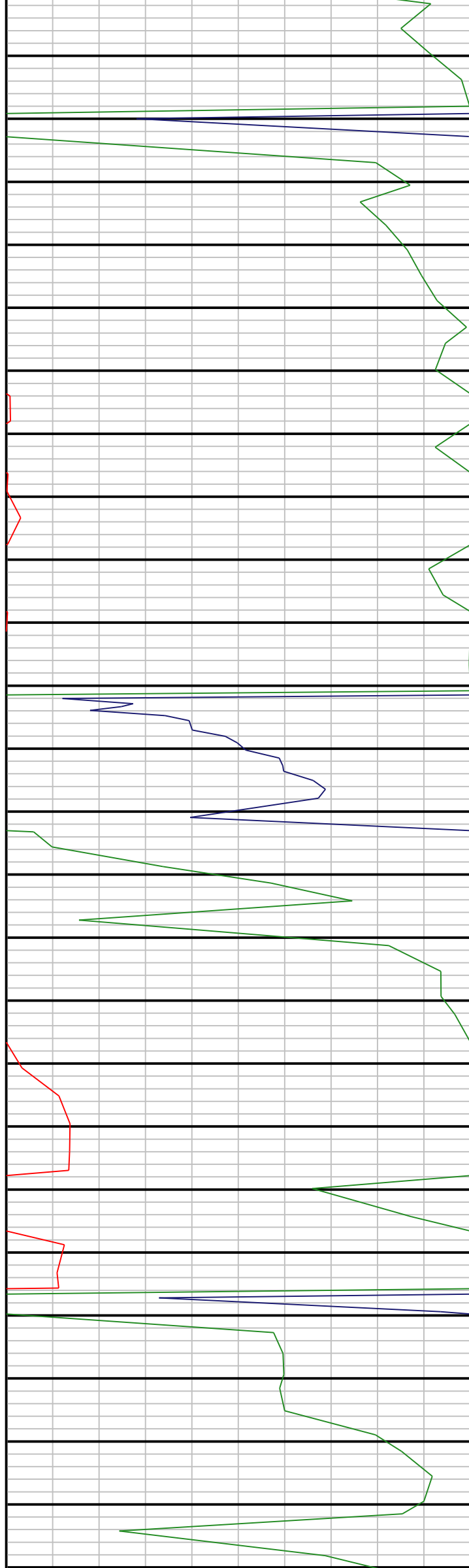


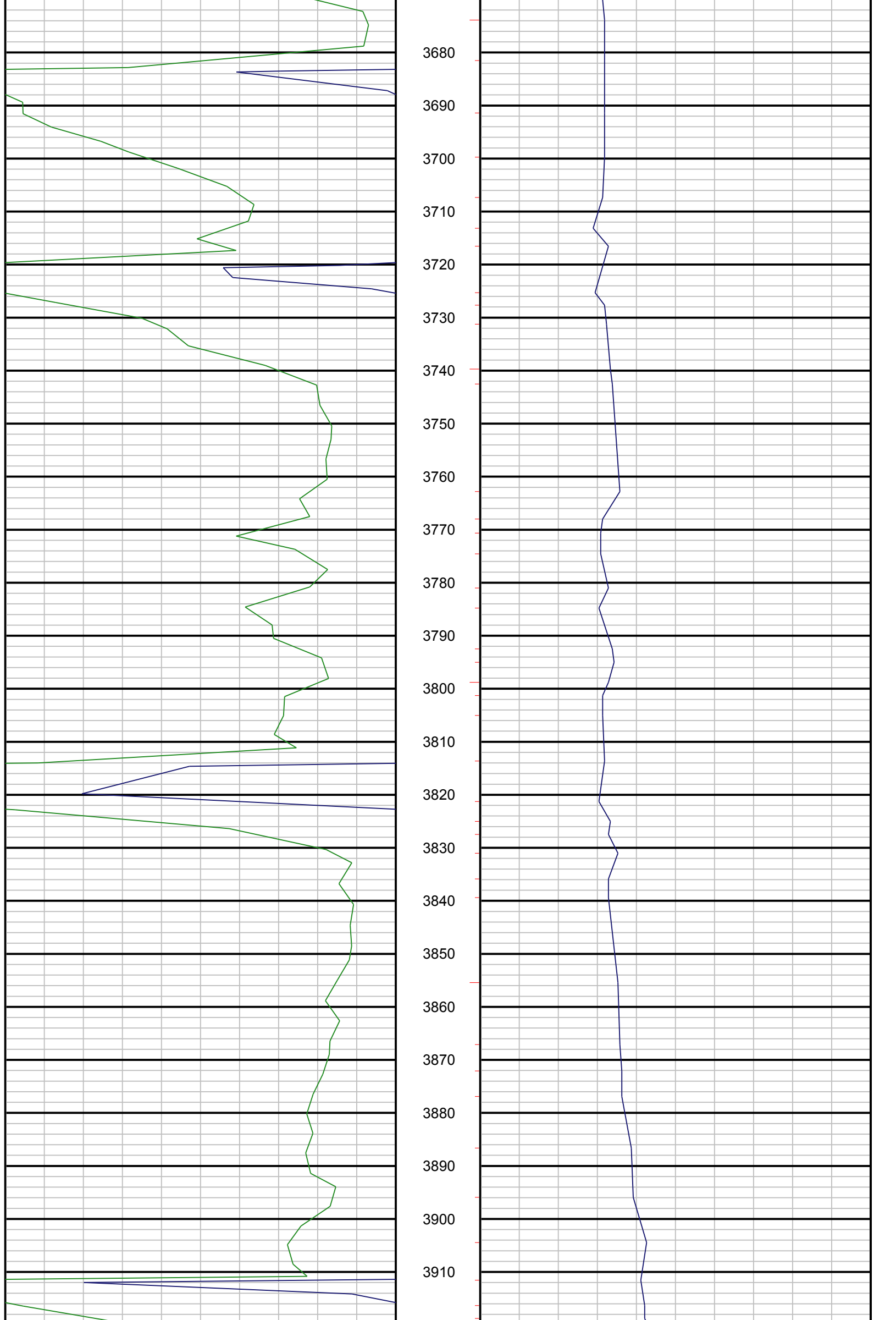


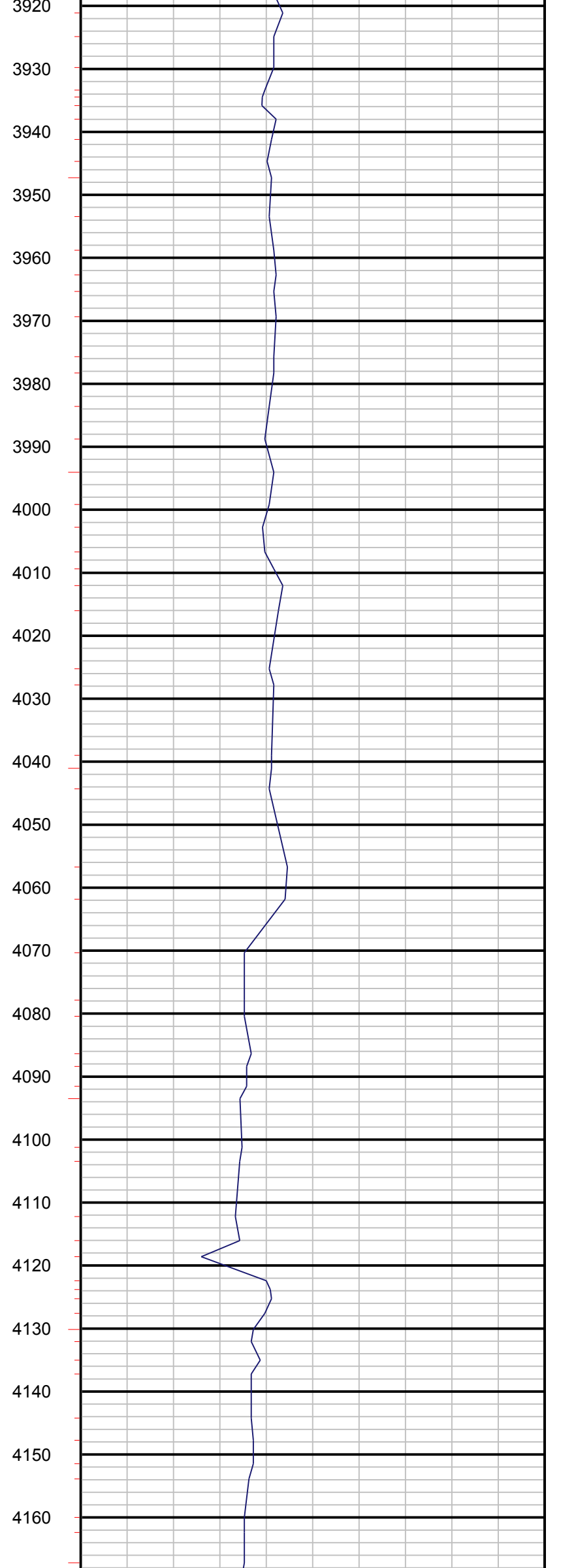
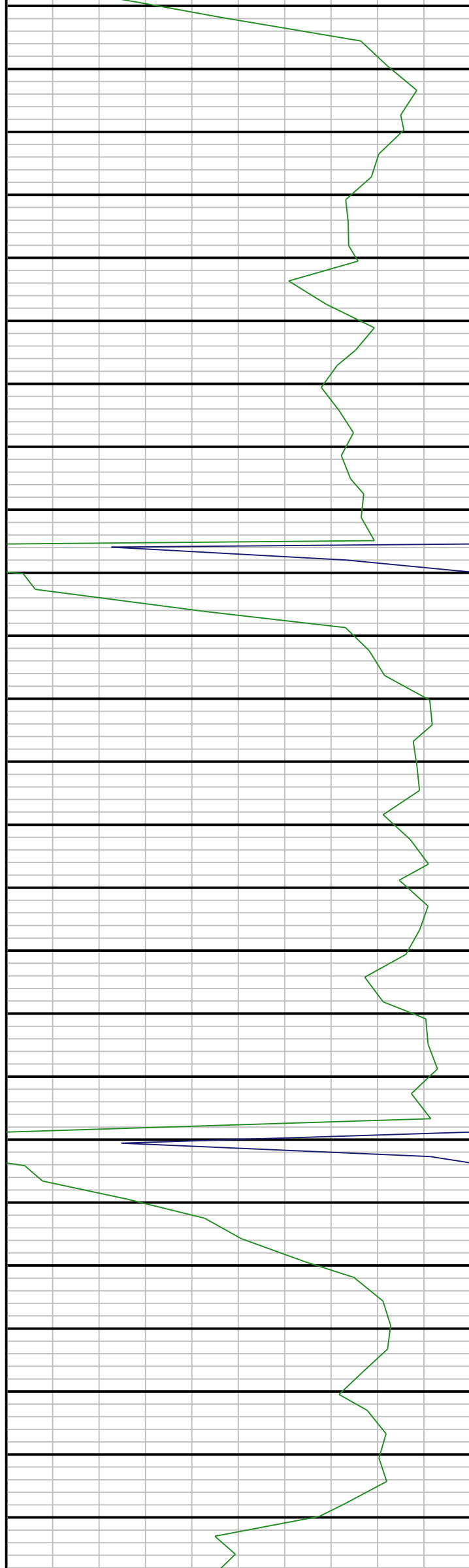


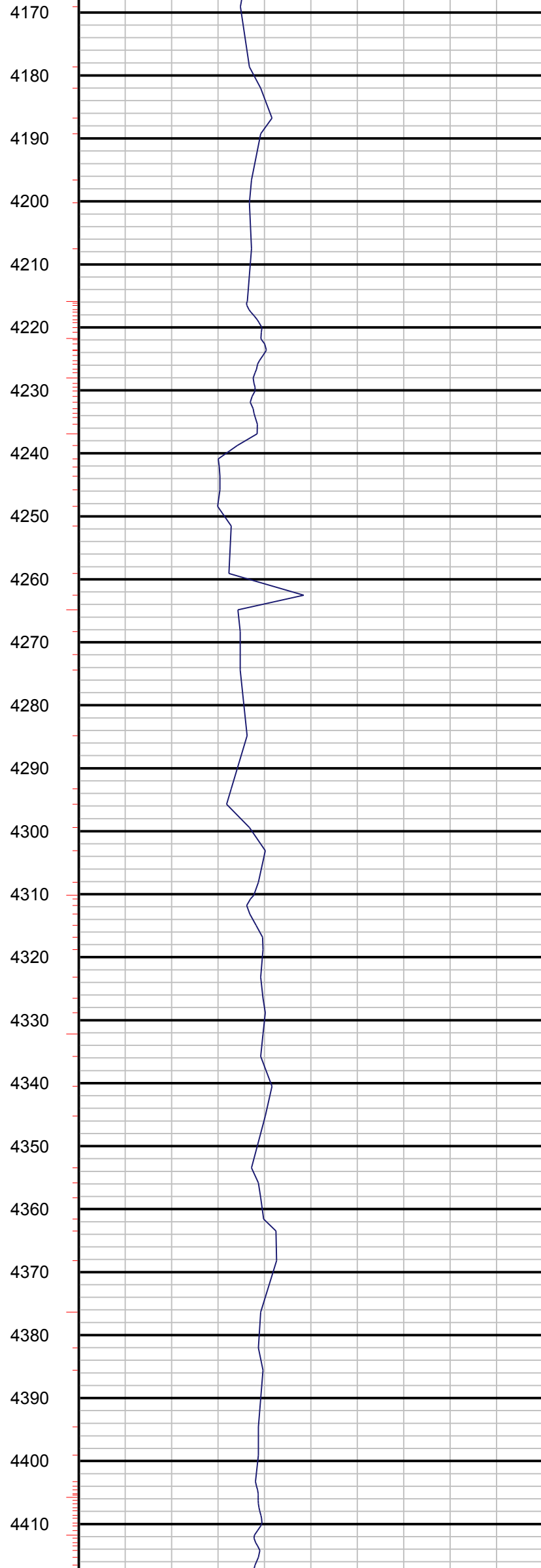
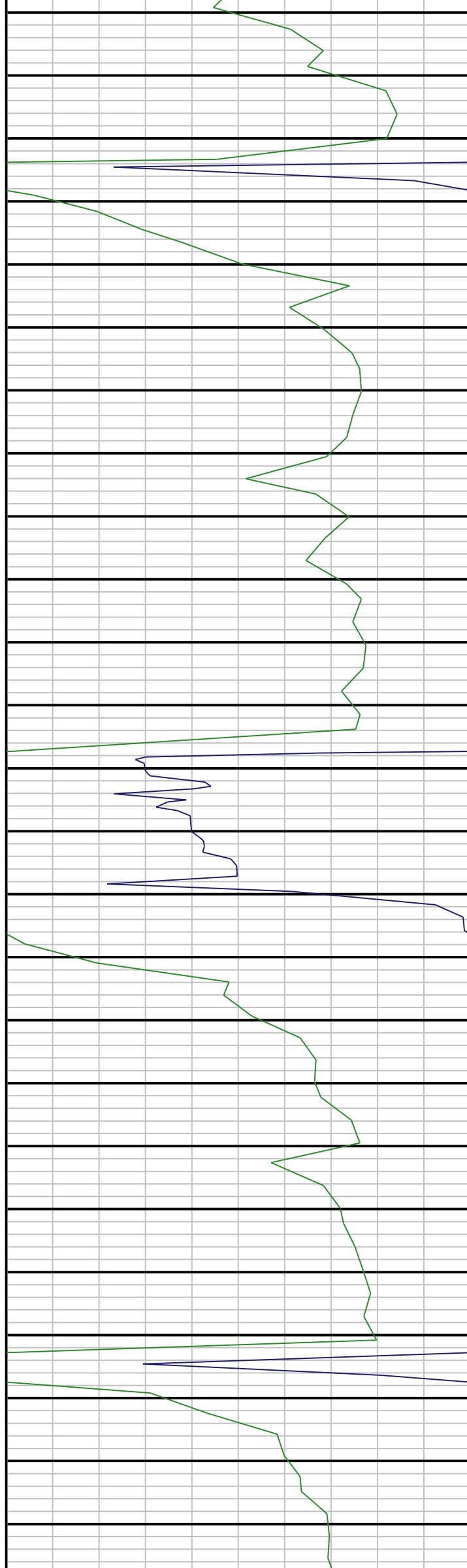


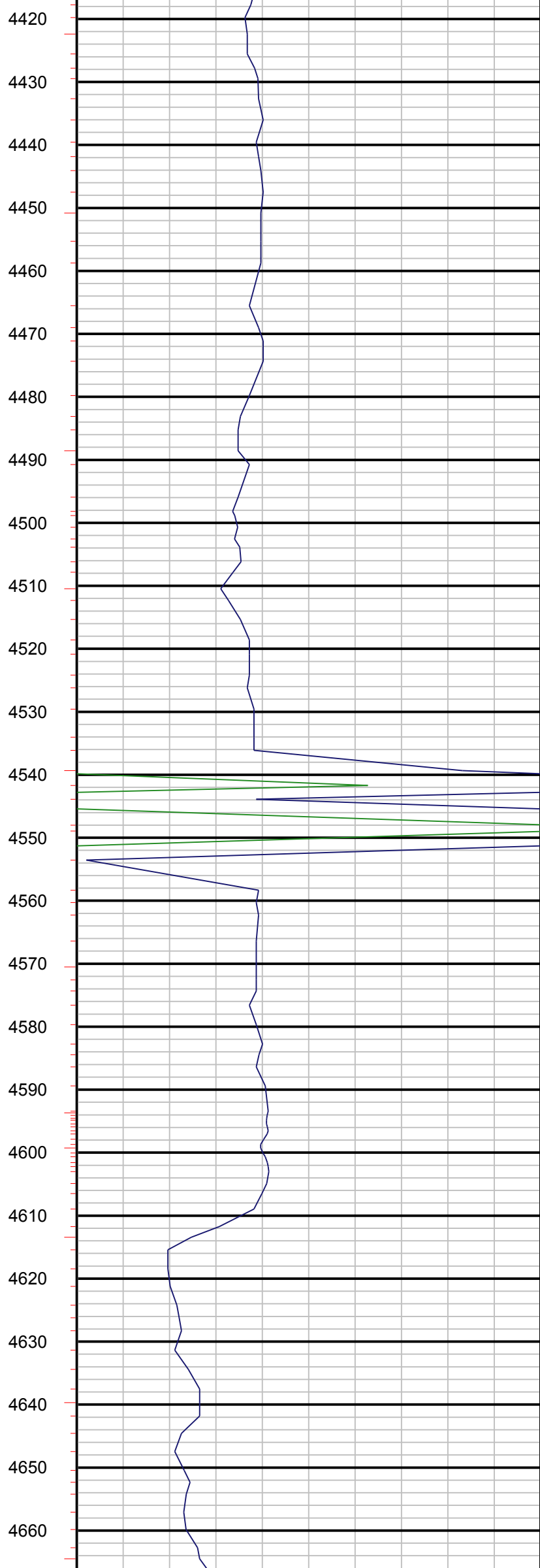
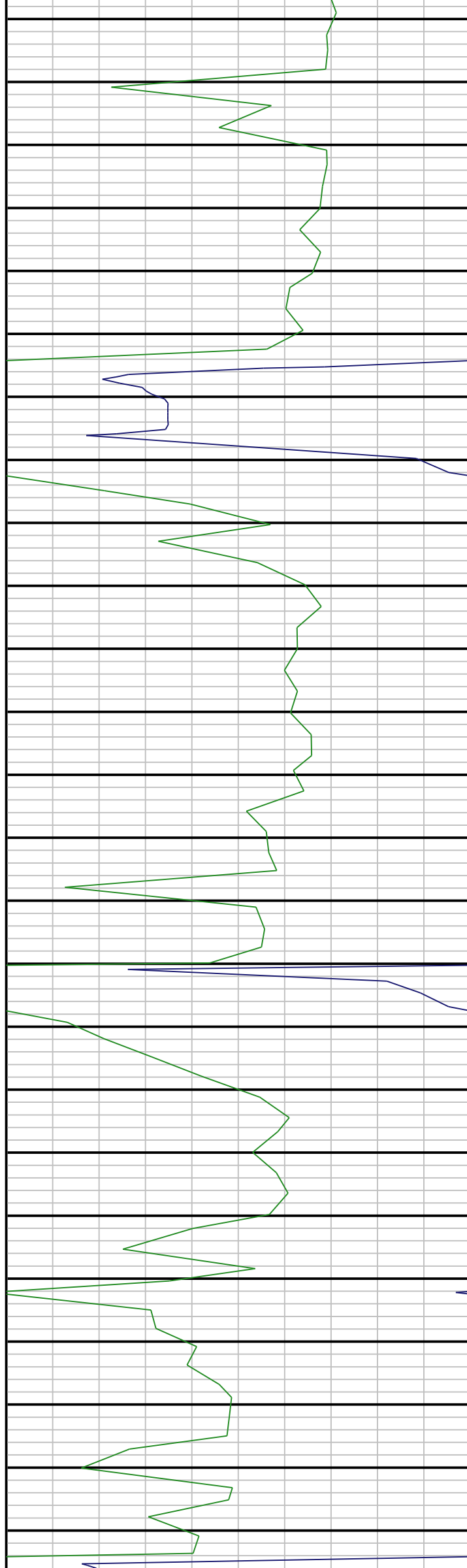


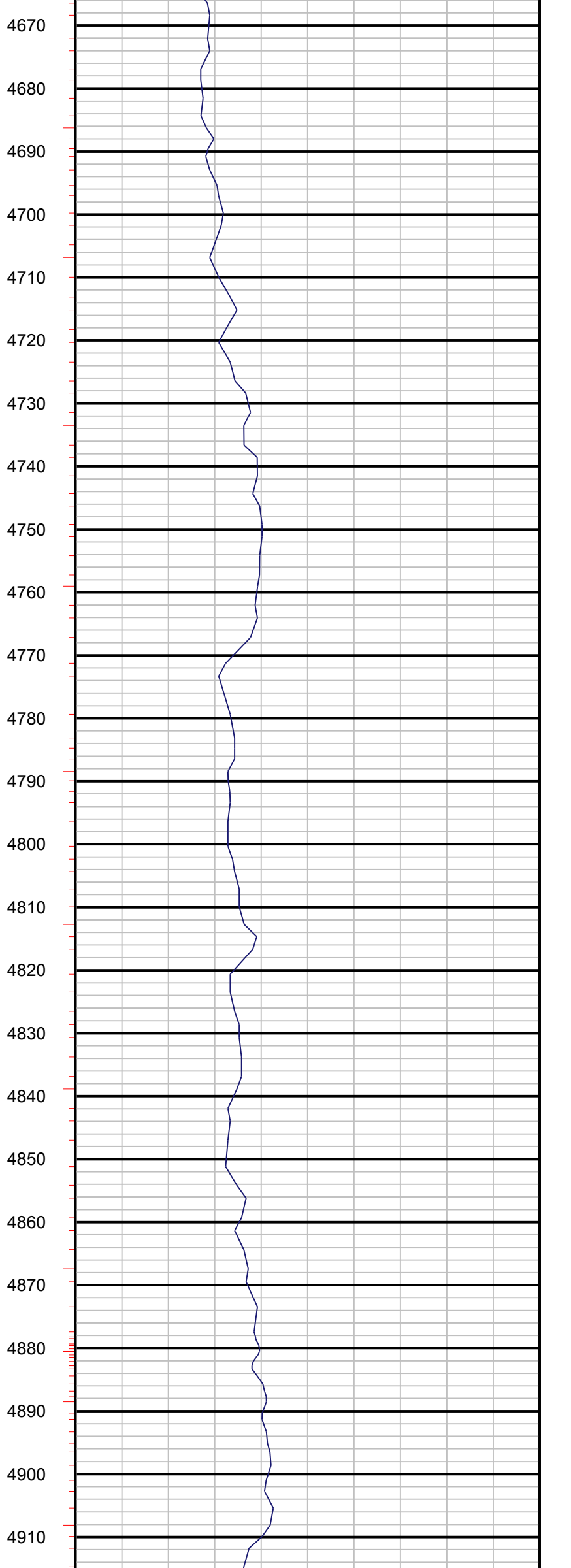
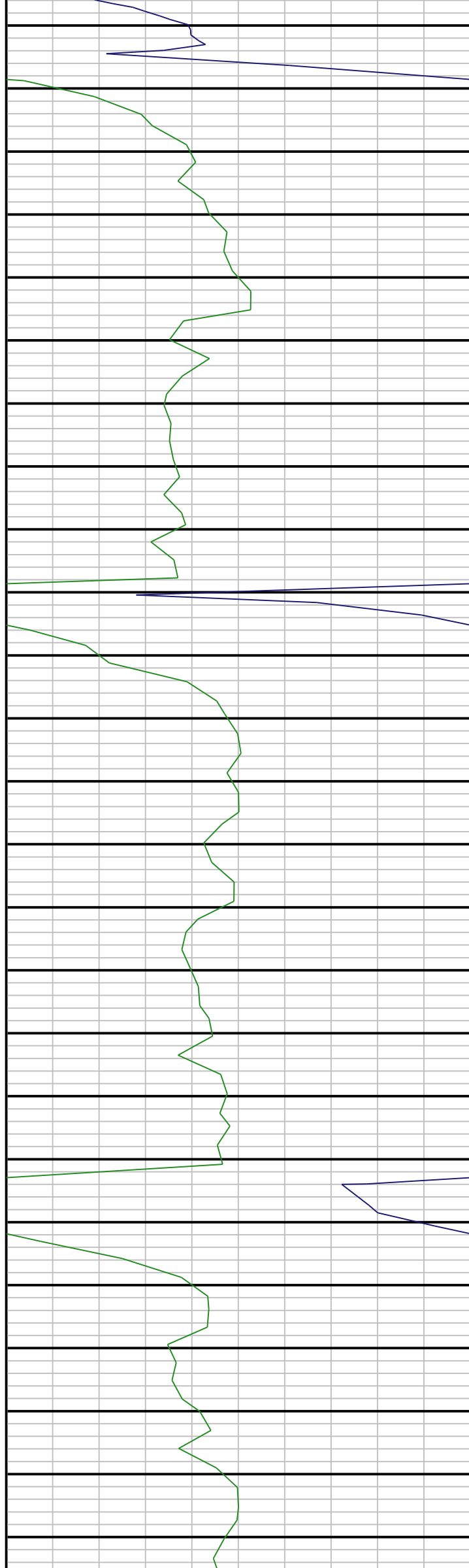


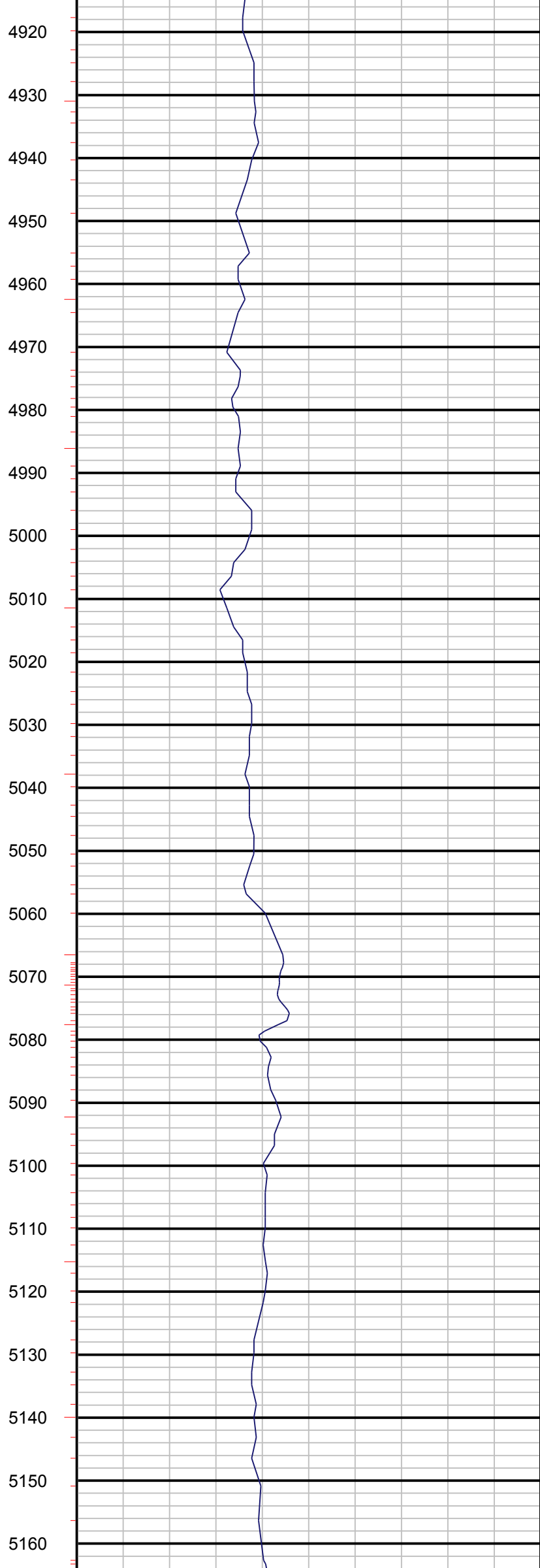
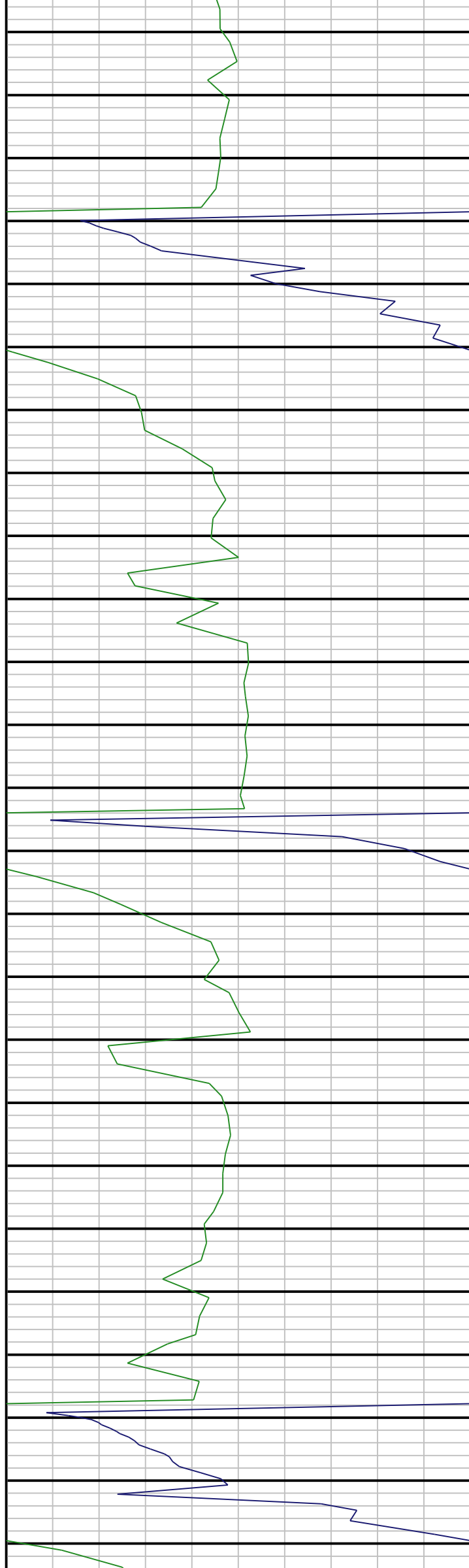


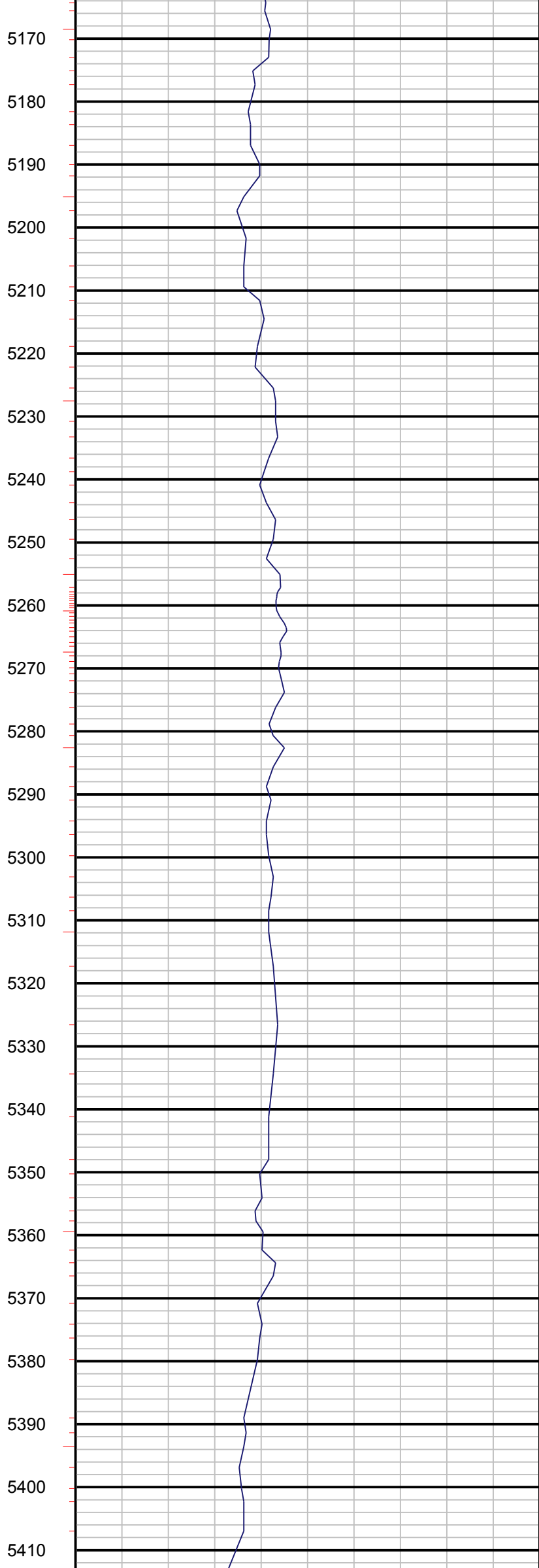
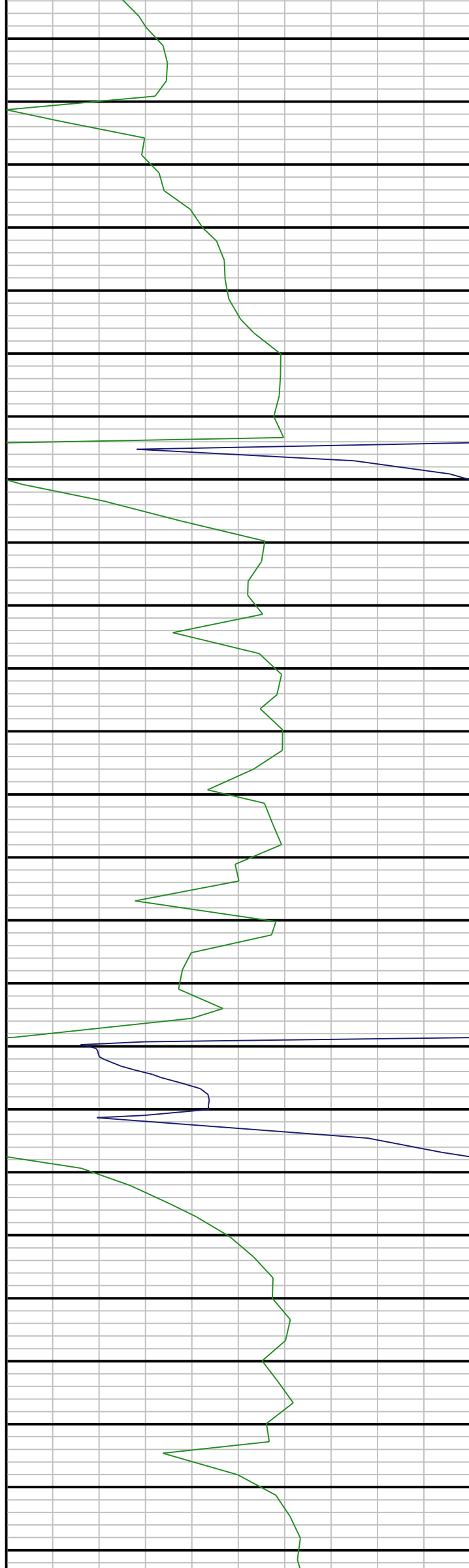


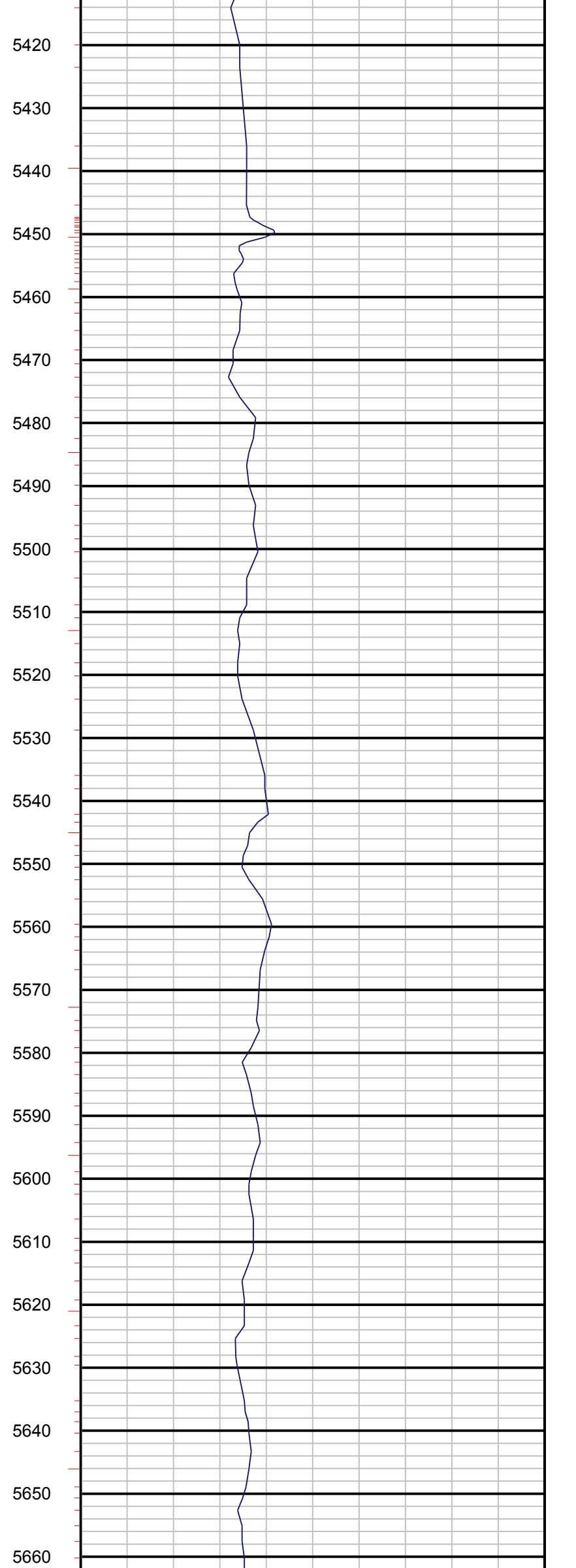
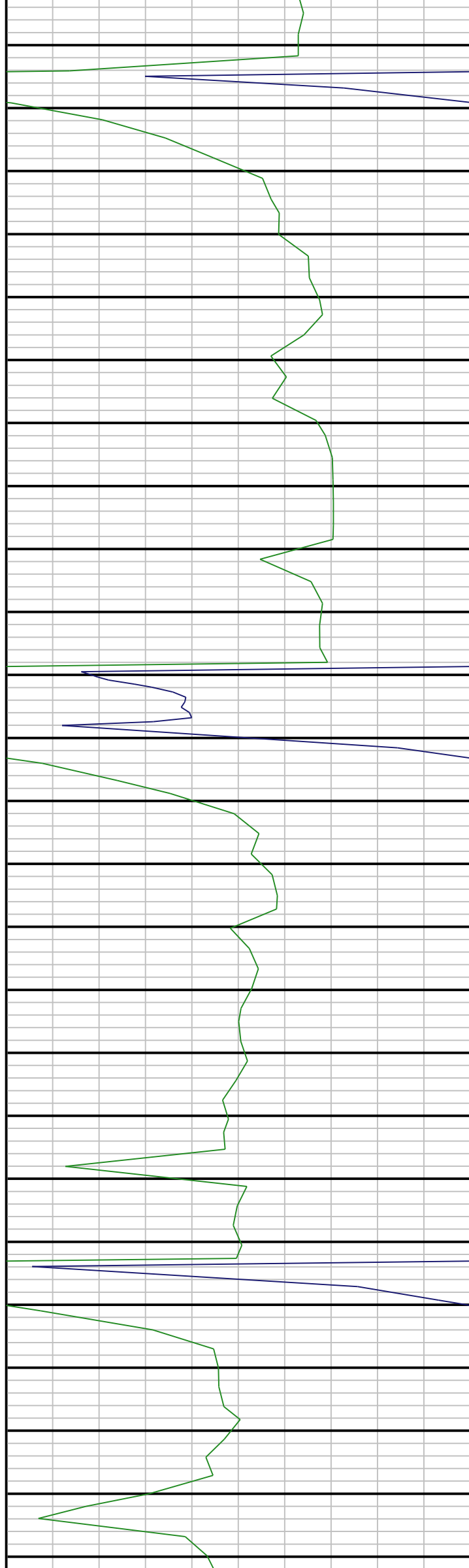


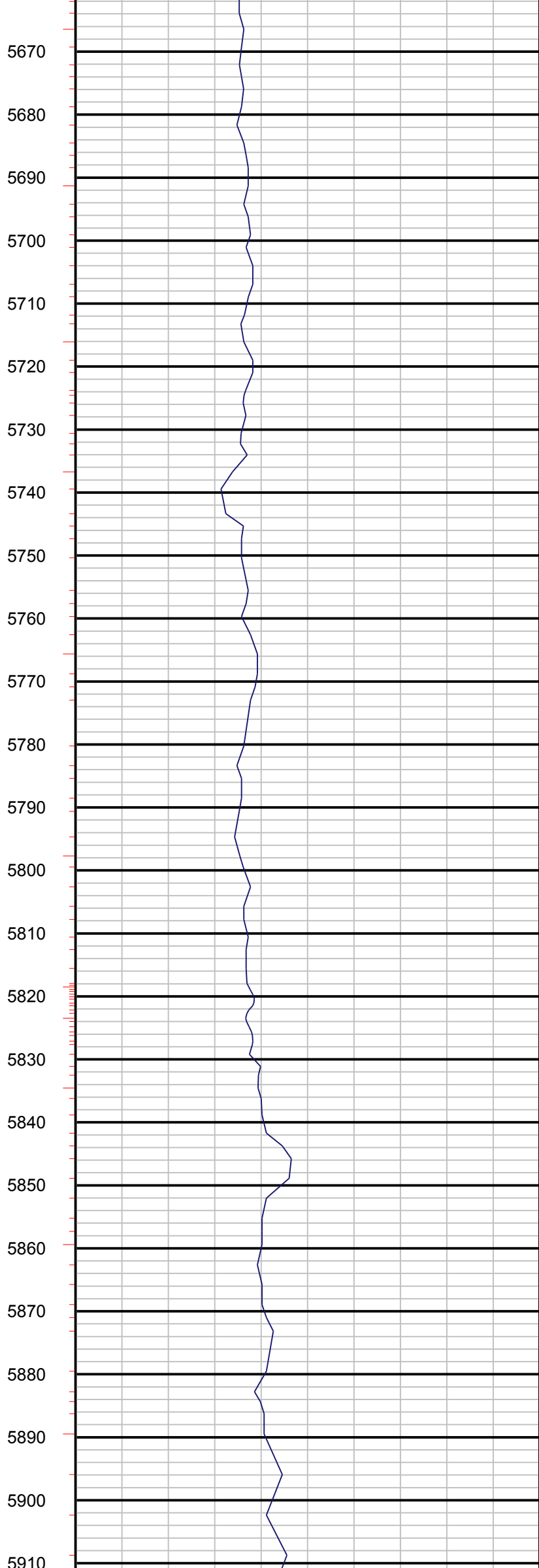
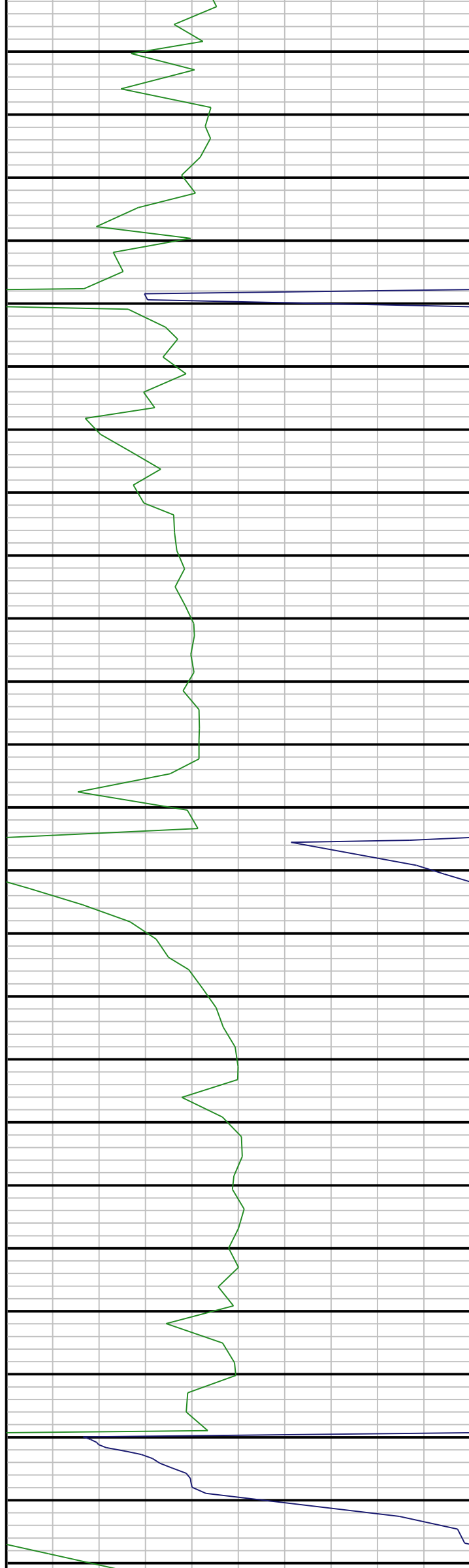


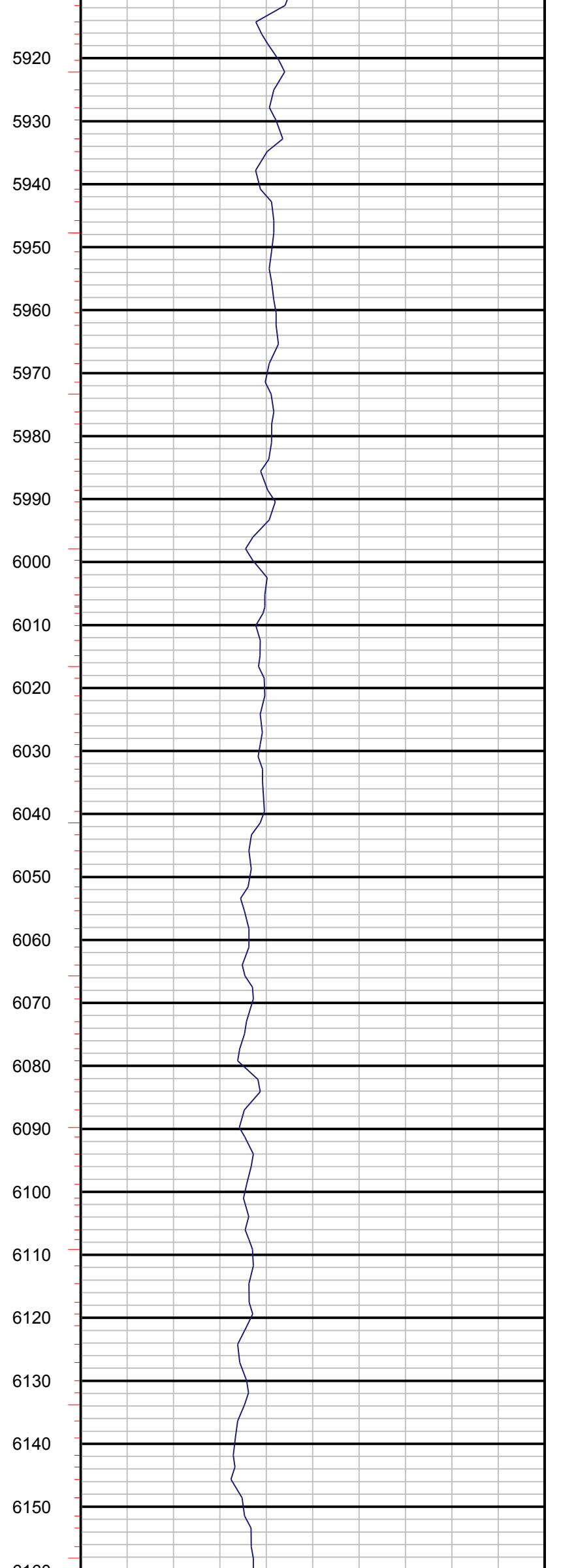
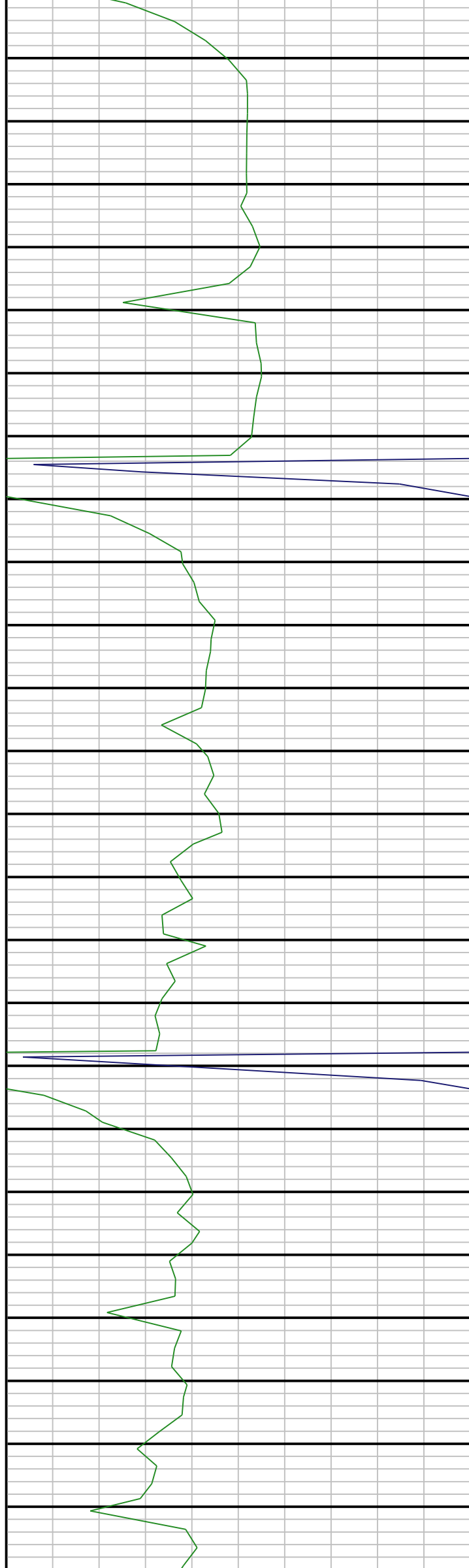


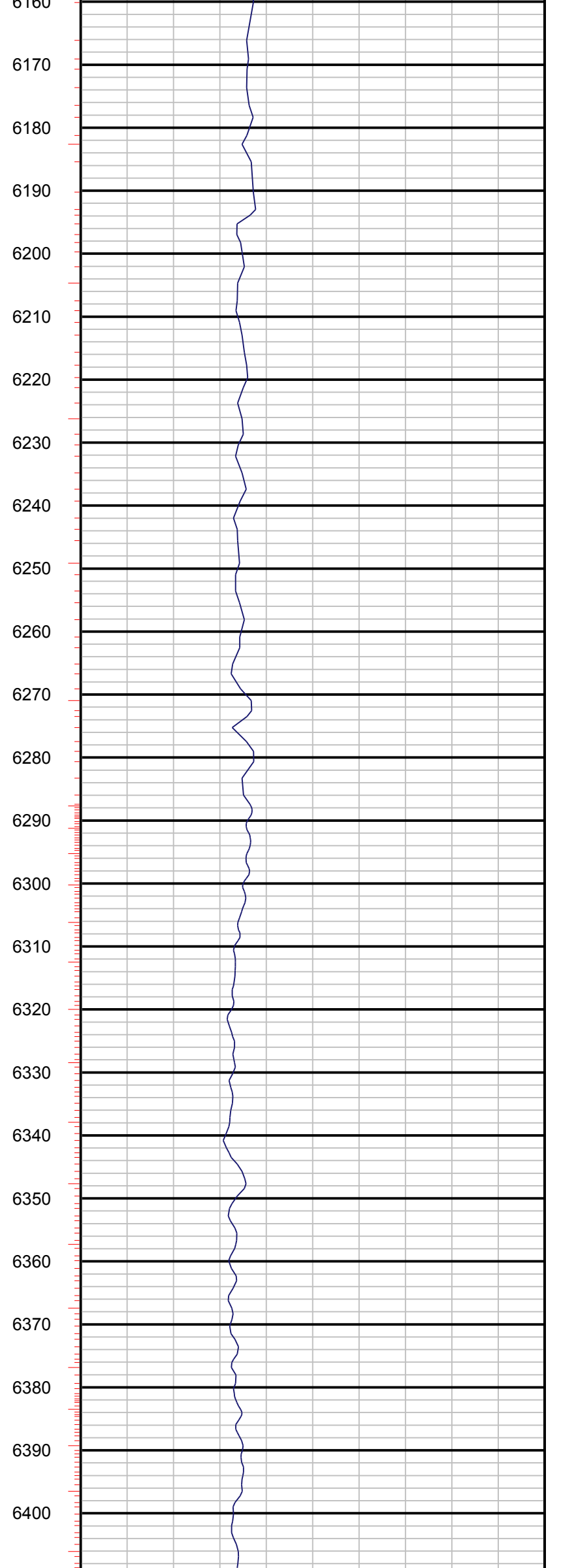
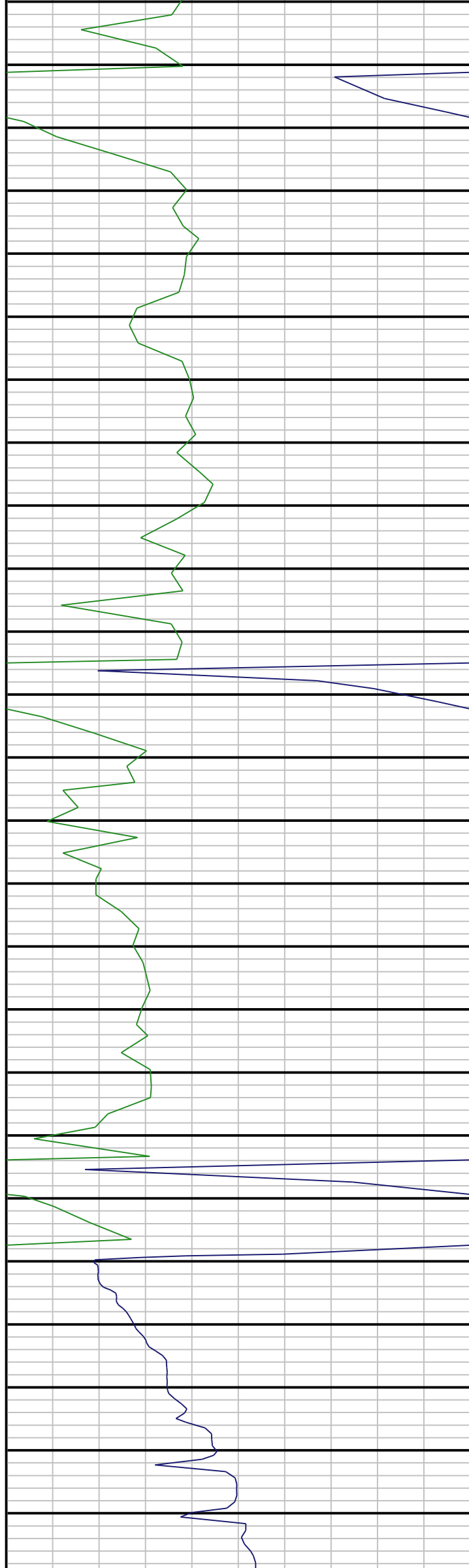


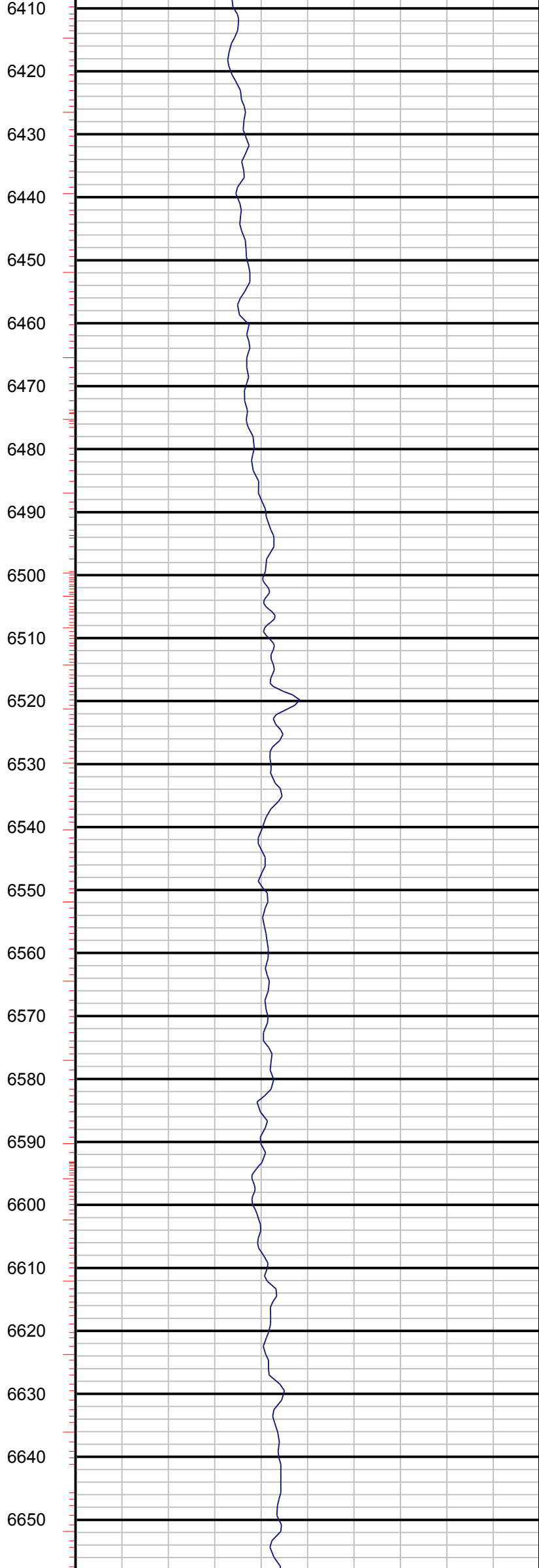
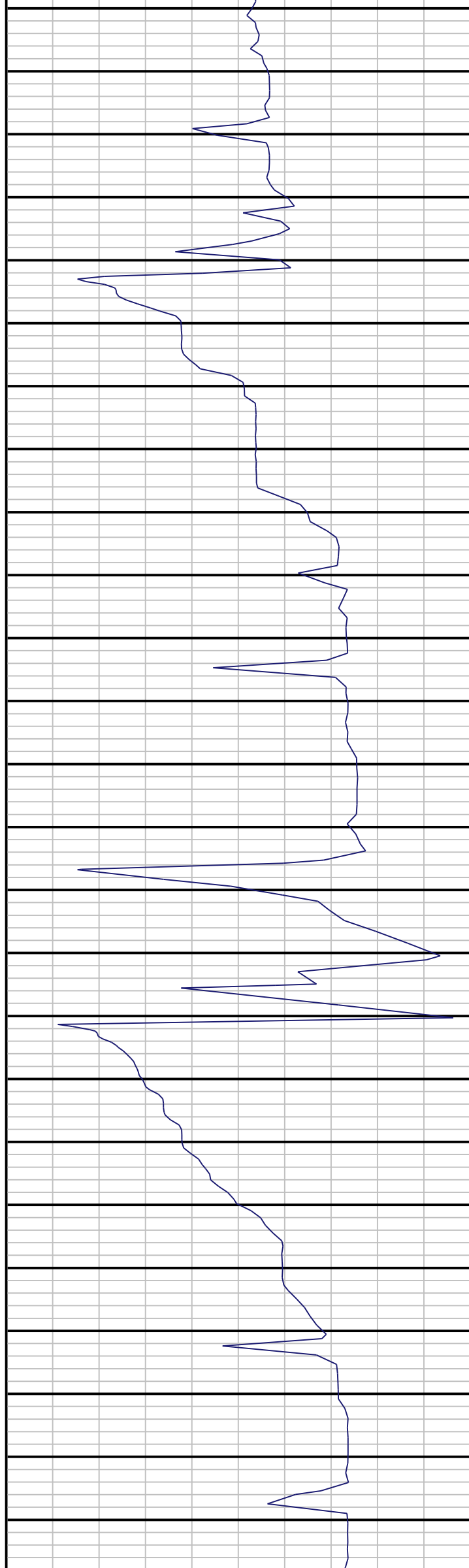


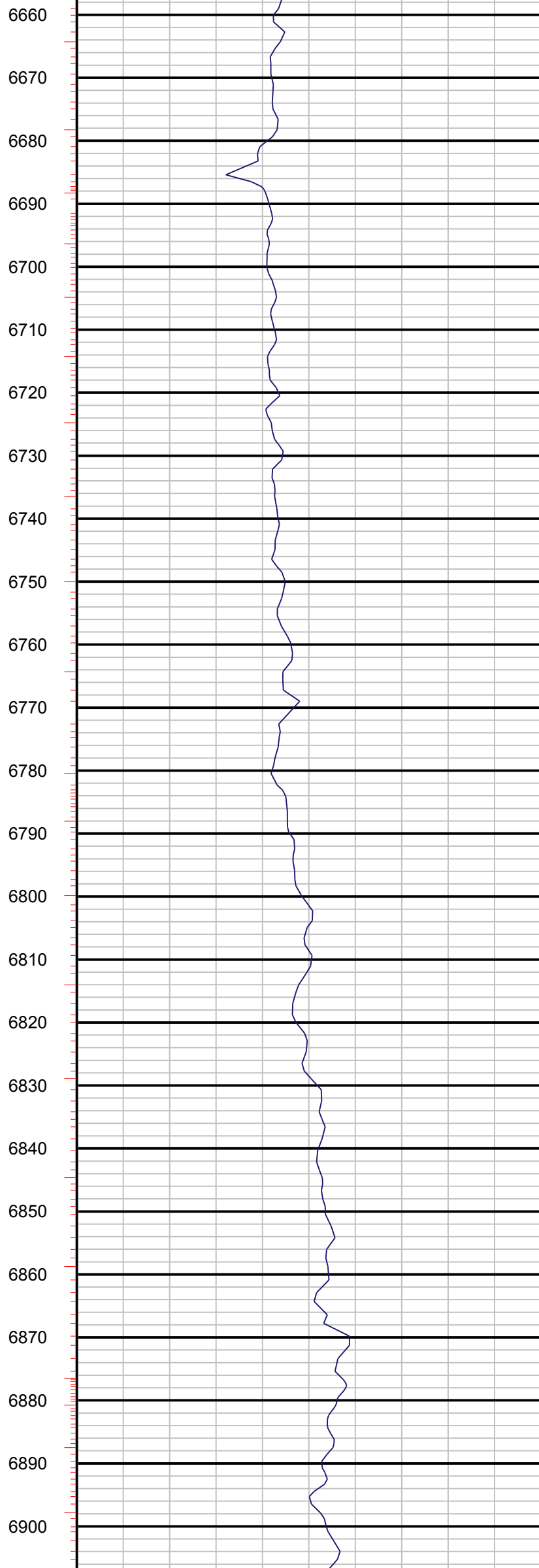
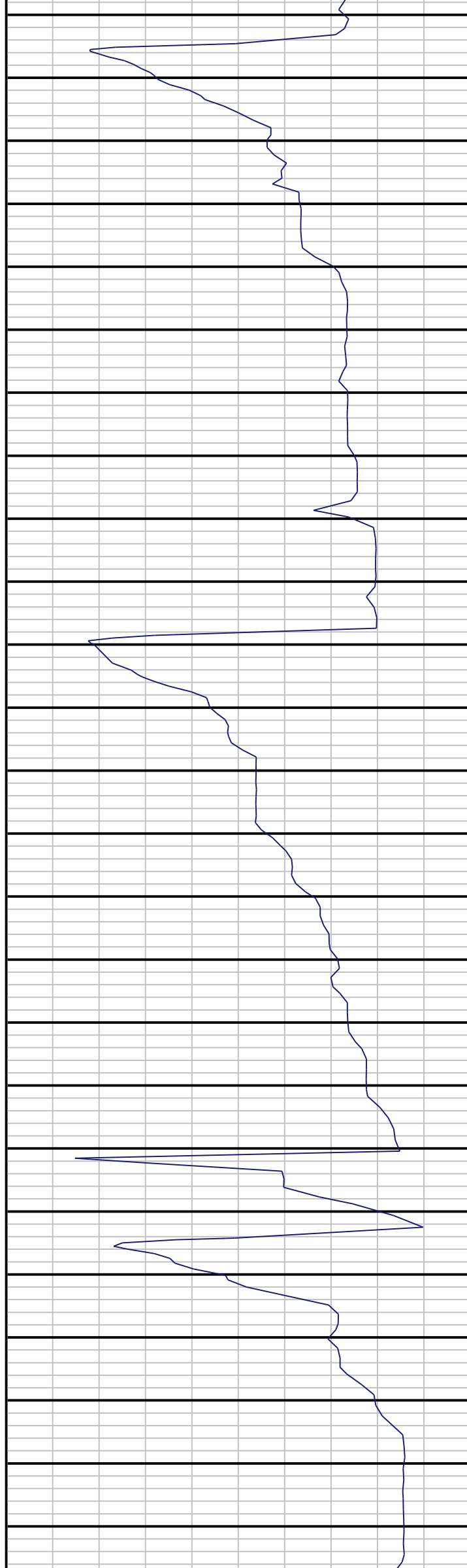


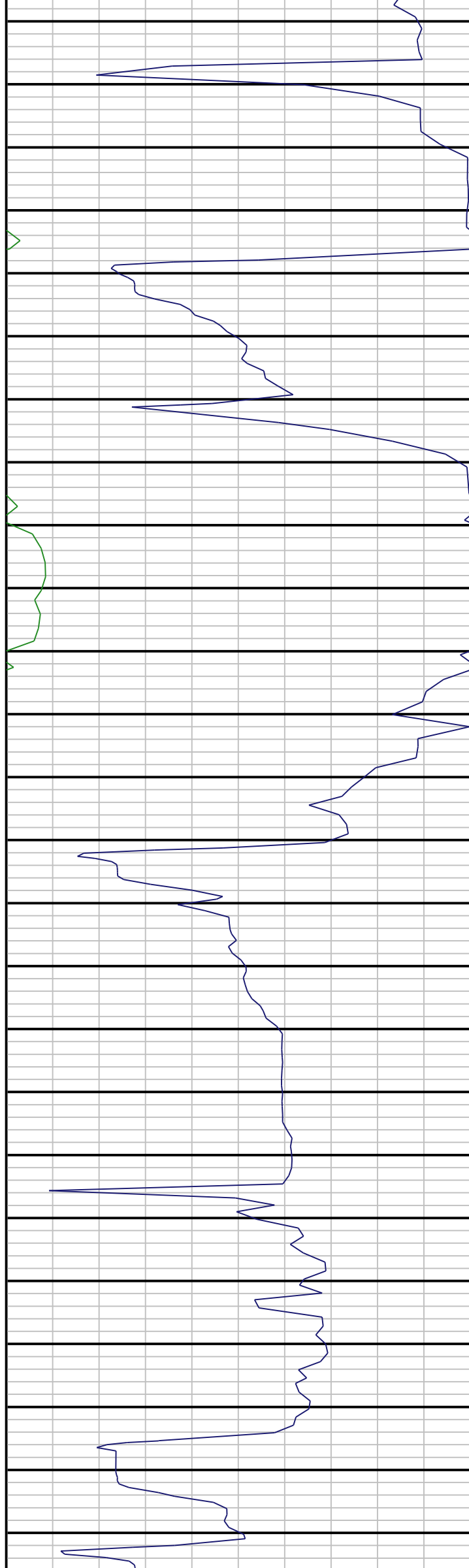












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