



Temperature  
Casing Collar Log

Company		TEP Rocky Mountain LLC	
Well		Federal WMC 432-20	
Field		Rulison	
County		Garfield	
State		Colorado	
Location:		API # : 05-045-24490	
SEC 17 TWP 7S RGE 93W		Other Services	
Permanent Datum		Ground Level	Elevation 8869
Log Measured From		Kelly Bushing	K.B. 8899 FT
Drilling Measured From		Kelly Bushing	D.F. 8898 FT
			G.L. 8869 FT
Date	07-DEC-2022		
Run Number	One		
Depth Driller	11359FT		
Depth Logger	11260 FT		
Bottom Logged Interval	11260 FT		
Top Log Interval	Surface		
Open Hole Size	8.75"		
Type Fluid	Water		
Density / Viscosity	8.34 Lb/Gal		
Max. Recorded Temp.	234°F		
Estimated Cement Top	6700 FT		
Time Well Ready	ROA		
Time Logger on Bottom	14:45		
Equipment Number	8047		
Location	Grand Junction		
Recorded By	A. Ellsworth		
Witnessed By	C. Borgstede		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
Casing Record	Size	Mgt/ft	Top
Surface String	9-5/8"	36	Surface
Prot. String			
Production String	4-1/2"	11.6	Surface
Liner			

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Log ran as per customer request  
Depth referenced to Kelly Bushing at 30 FT

Thank you for choosing The Wireline Group!



Main Pass (Quick Look)

Database File      tep\_fed wmc 432-20\_temp\_12-7-2022.db  
Dataset Pathname    main  
Presentation Format    ros\_temp\_ql\_tep  
Dataset Creation      Wed Dec 07 13:55:04 2022  
Charted by            Depth in Feet scaled 1:10000

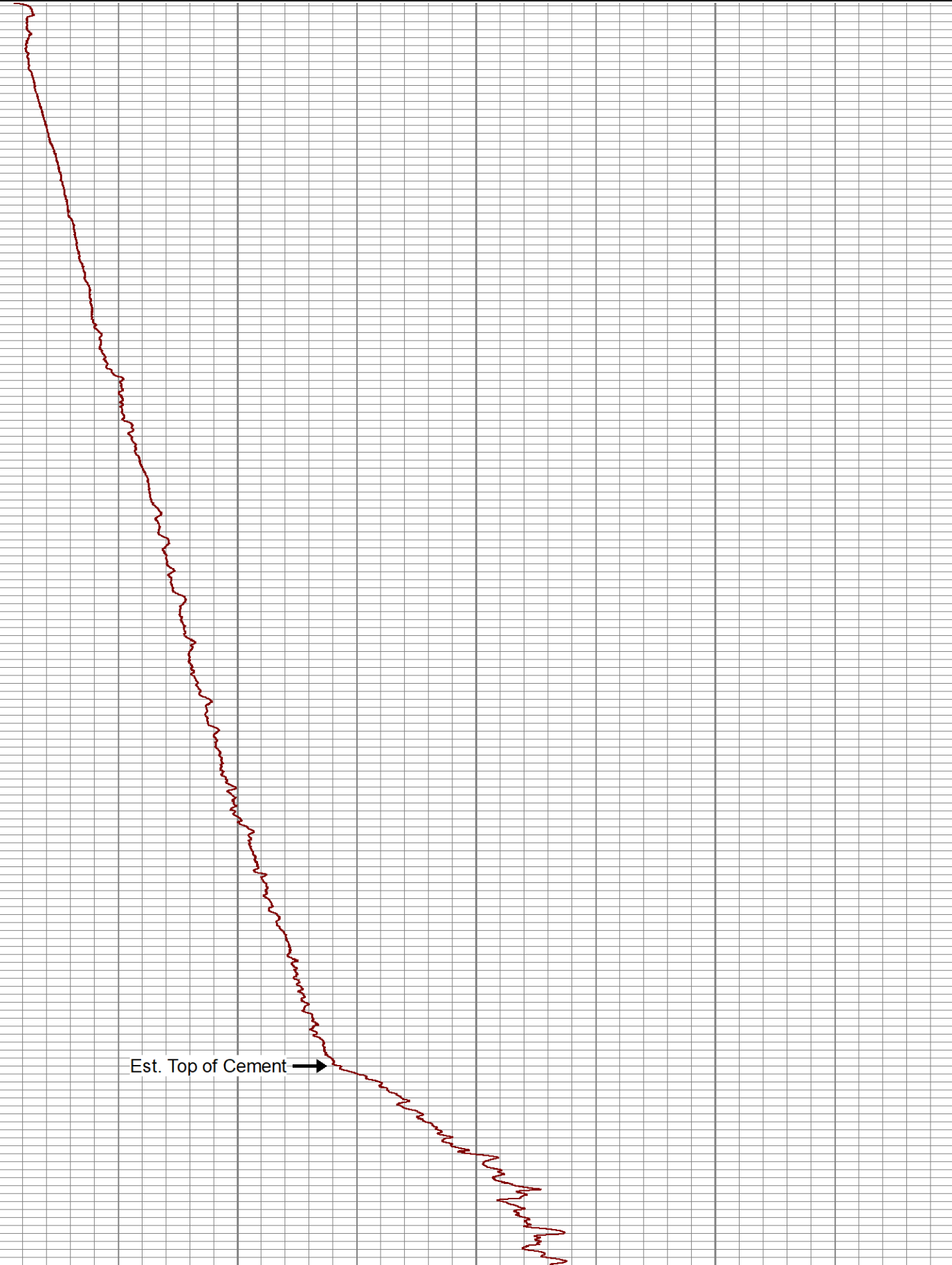
50

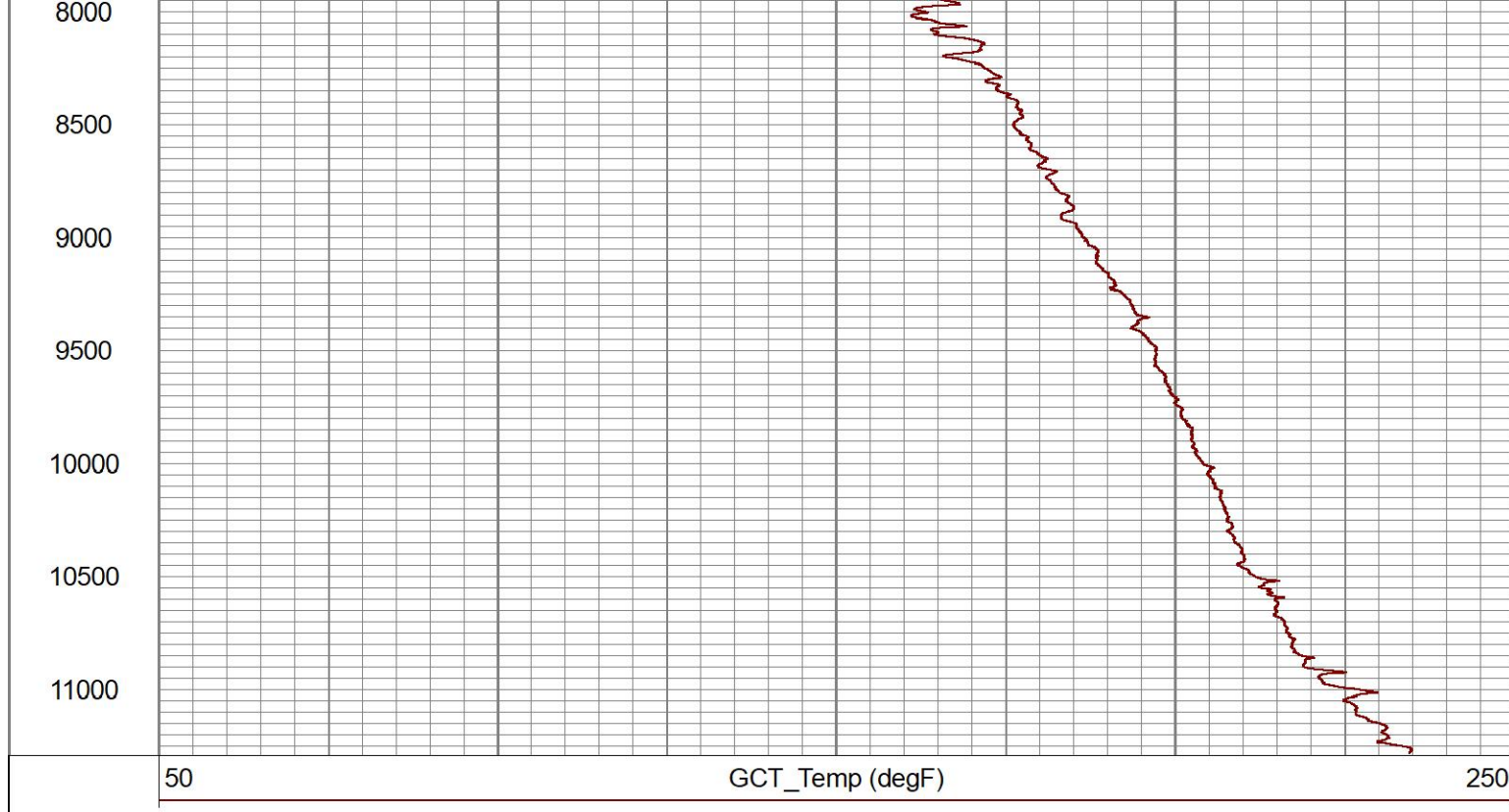
GCT\_Temp (degF)


250

500  
1000  
1500  
2000  
2500  
3000  
3500  
4000  
4500  
5000  
5500  
6000  
6500  
7000  
7500

Est. Top of Cement →



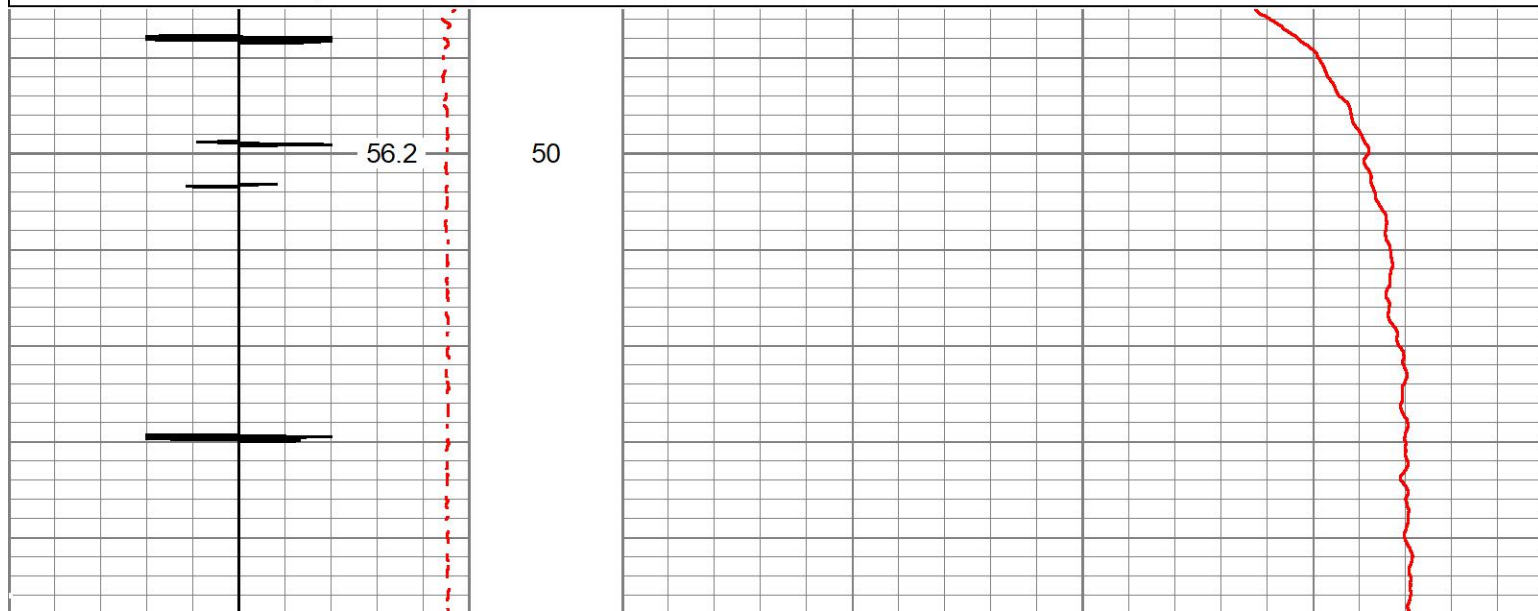


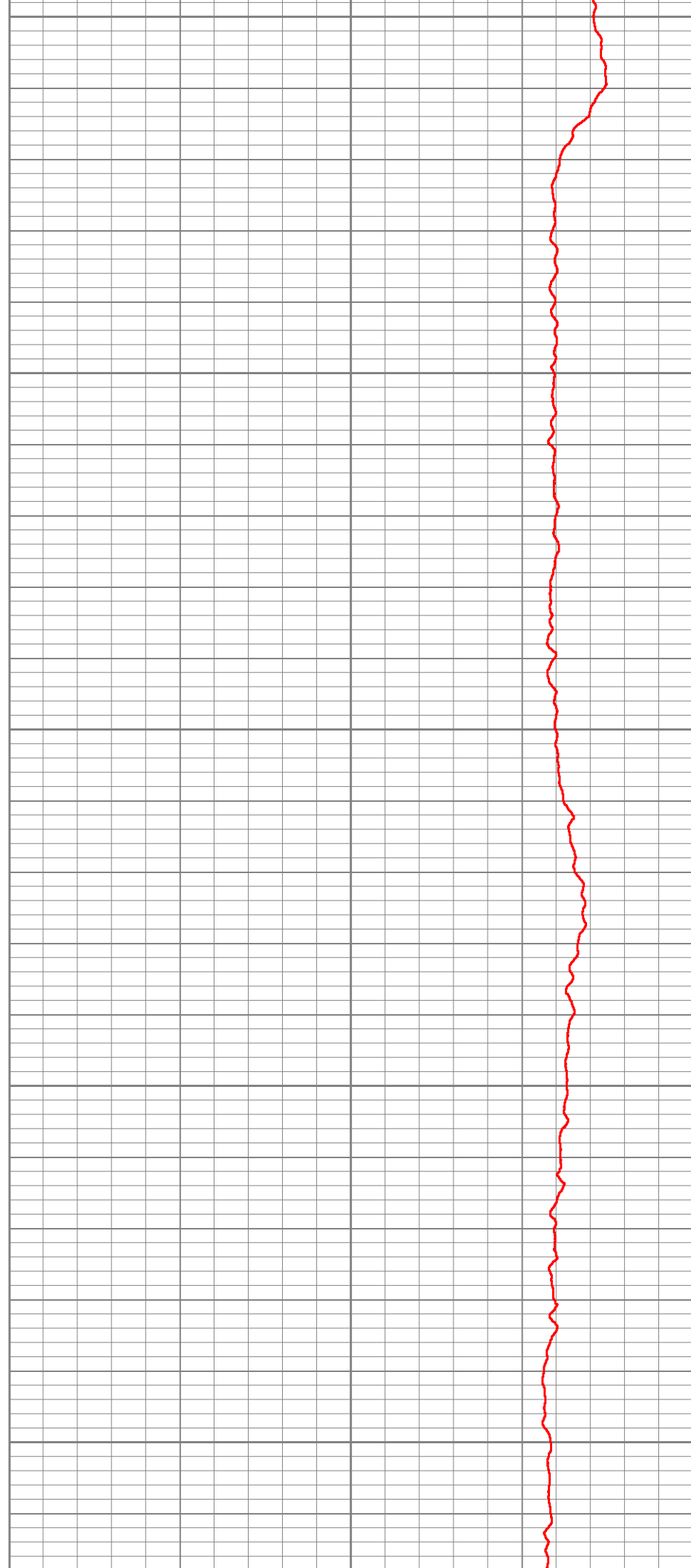
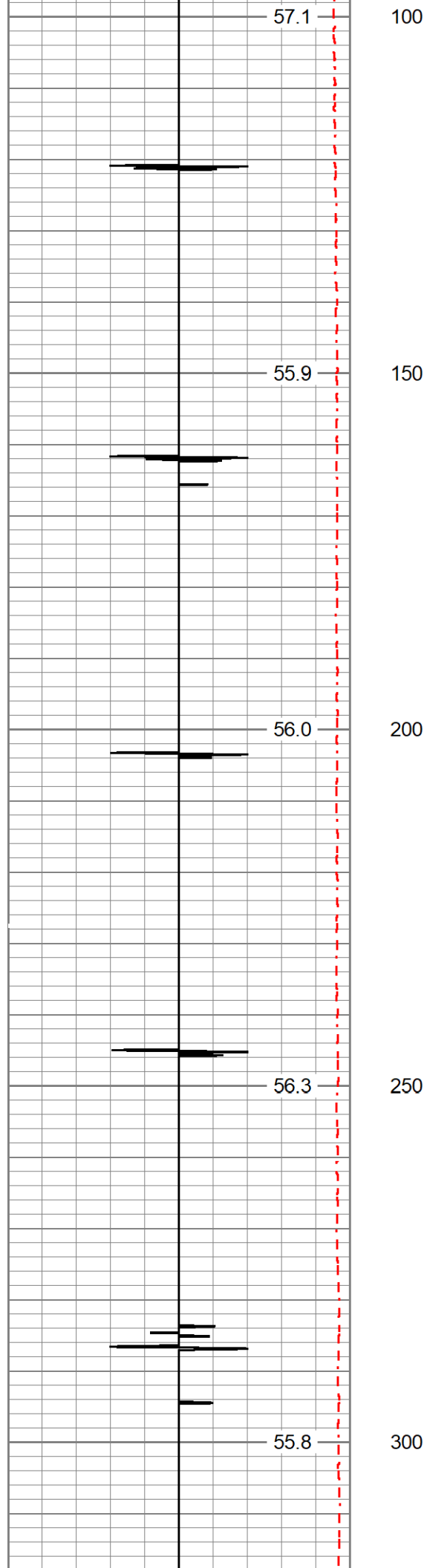


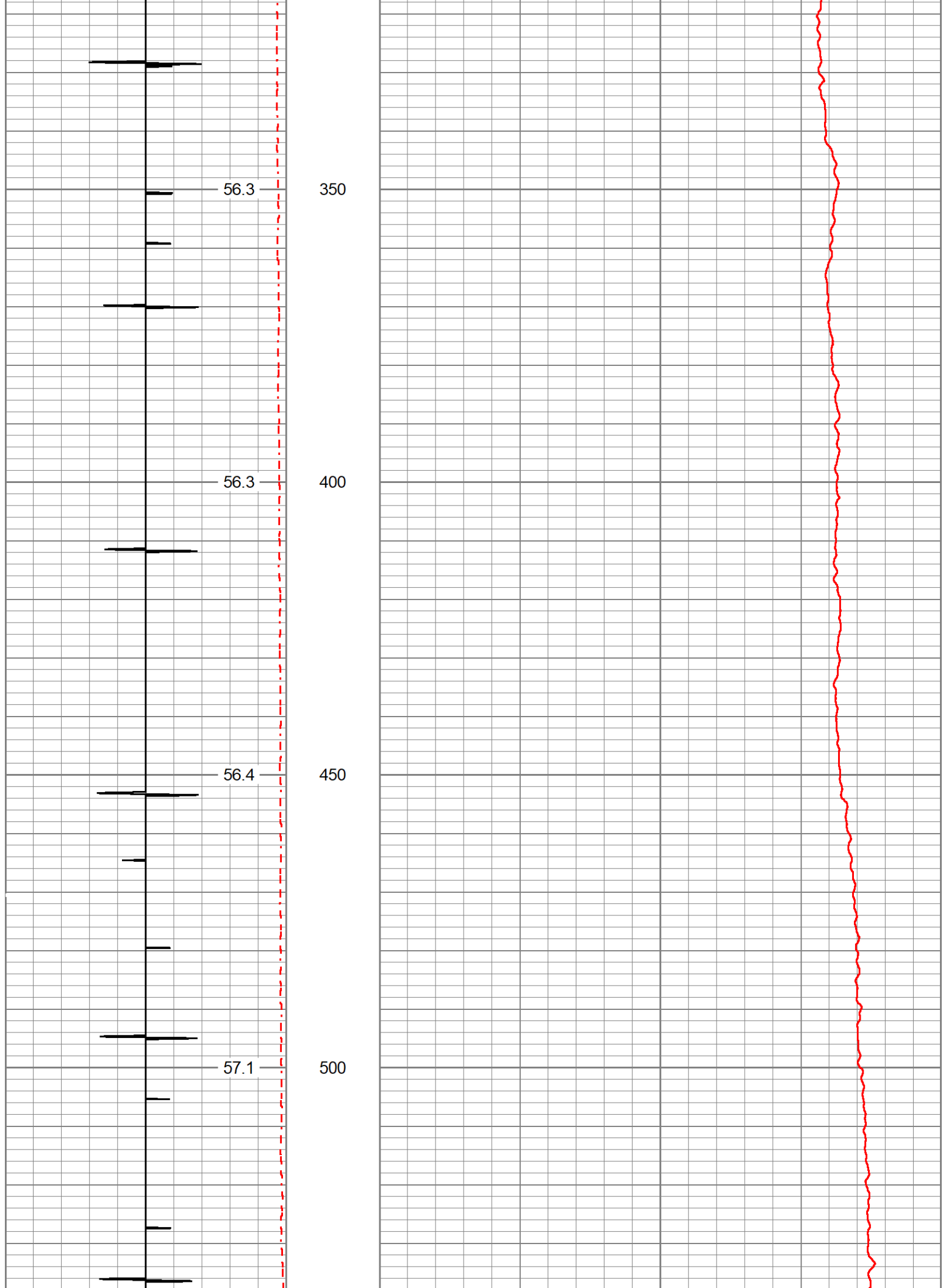
## Main Pass 5" = 100'

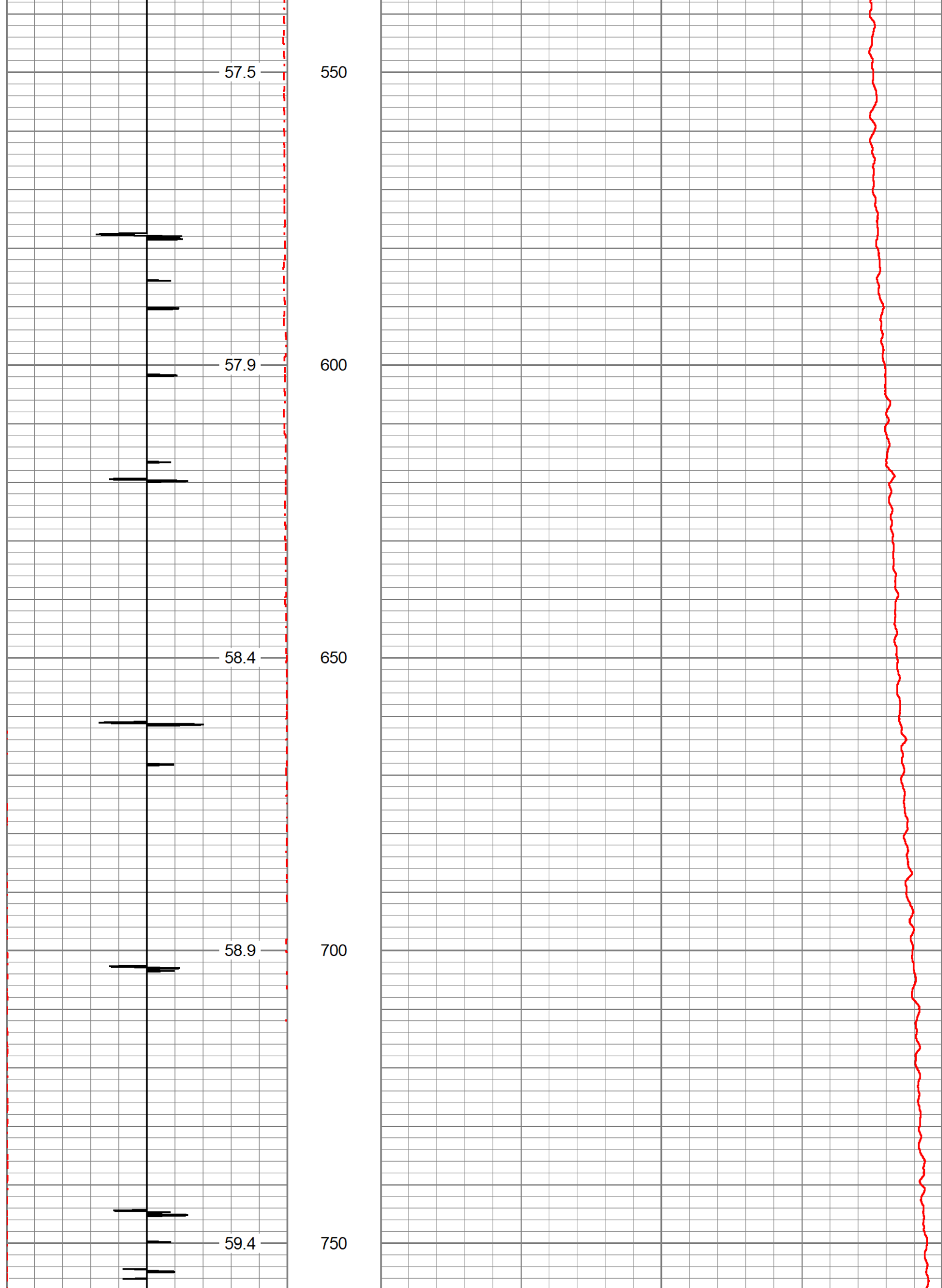
Database File	tep_fed wmc 432-20_temp_12-7-2022.db
Dataset Pathname	main
Presentation Format	gct_tmp
Dataset Creation	Wed Dec 07 13:55:04 2022
Charted by	Depth in Feet scaled 1:240

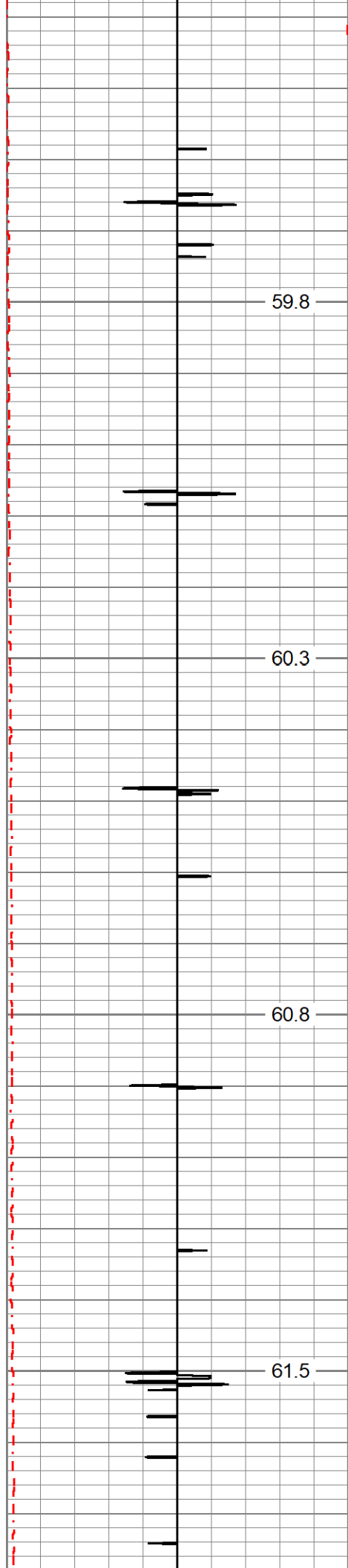
5	CCL\$1	-5	100	GCT_Temp (degF)	120
0	LTEN (lb)	1500			
				GCT_Temp (degF)	









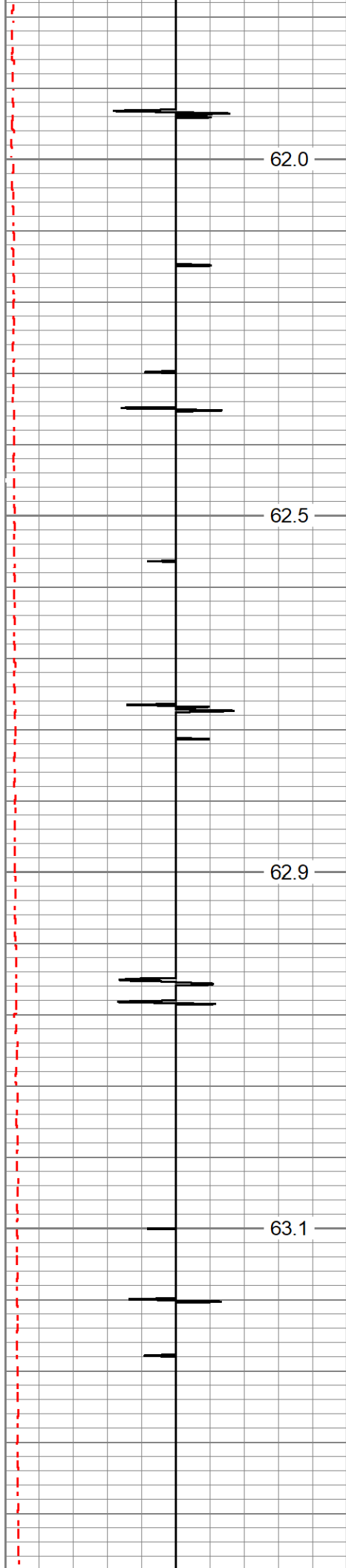


800

850

900

950

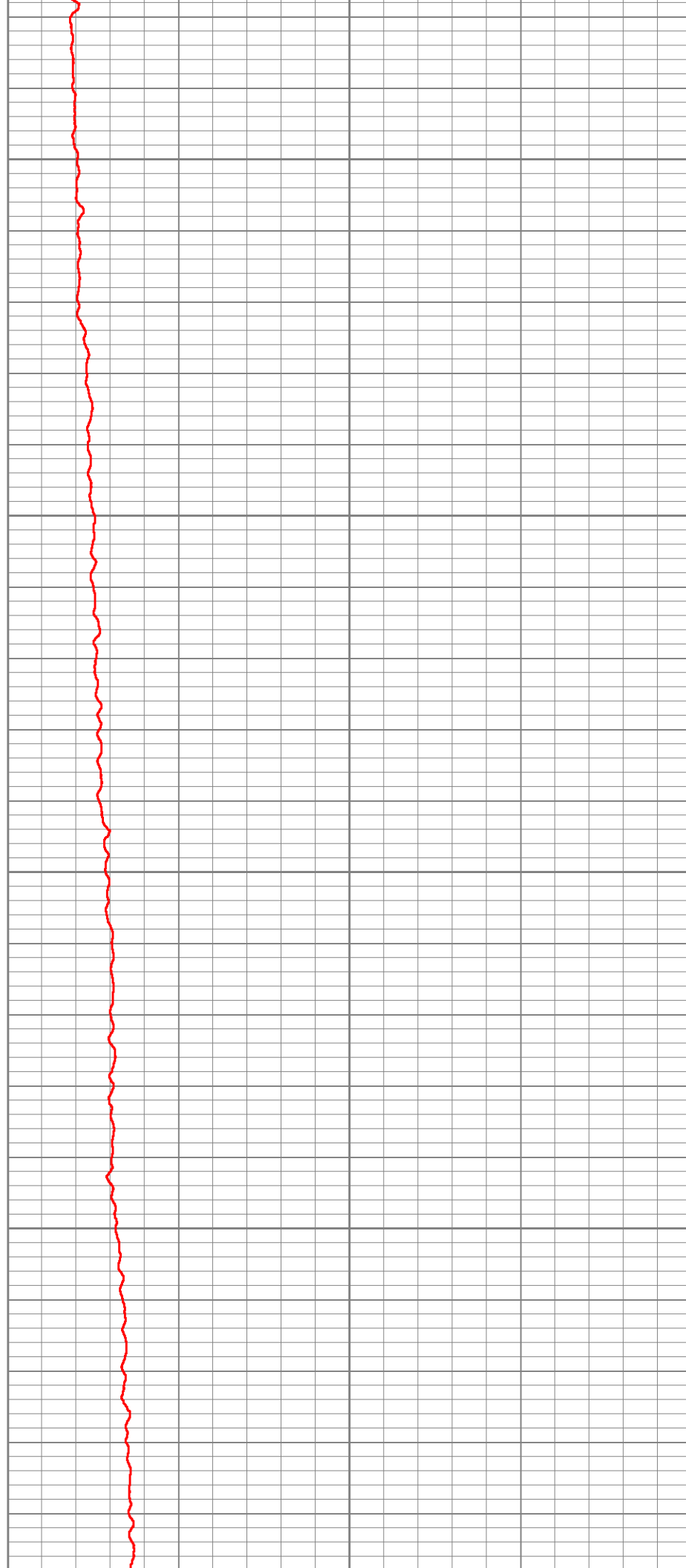


1000

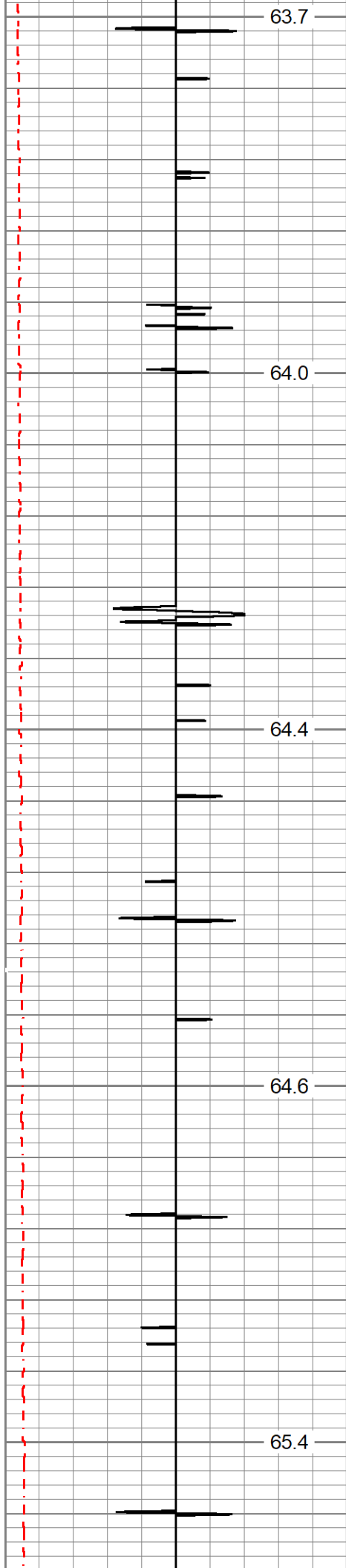
1050

1100

1150







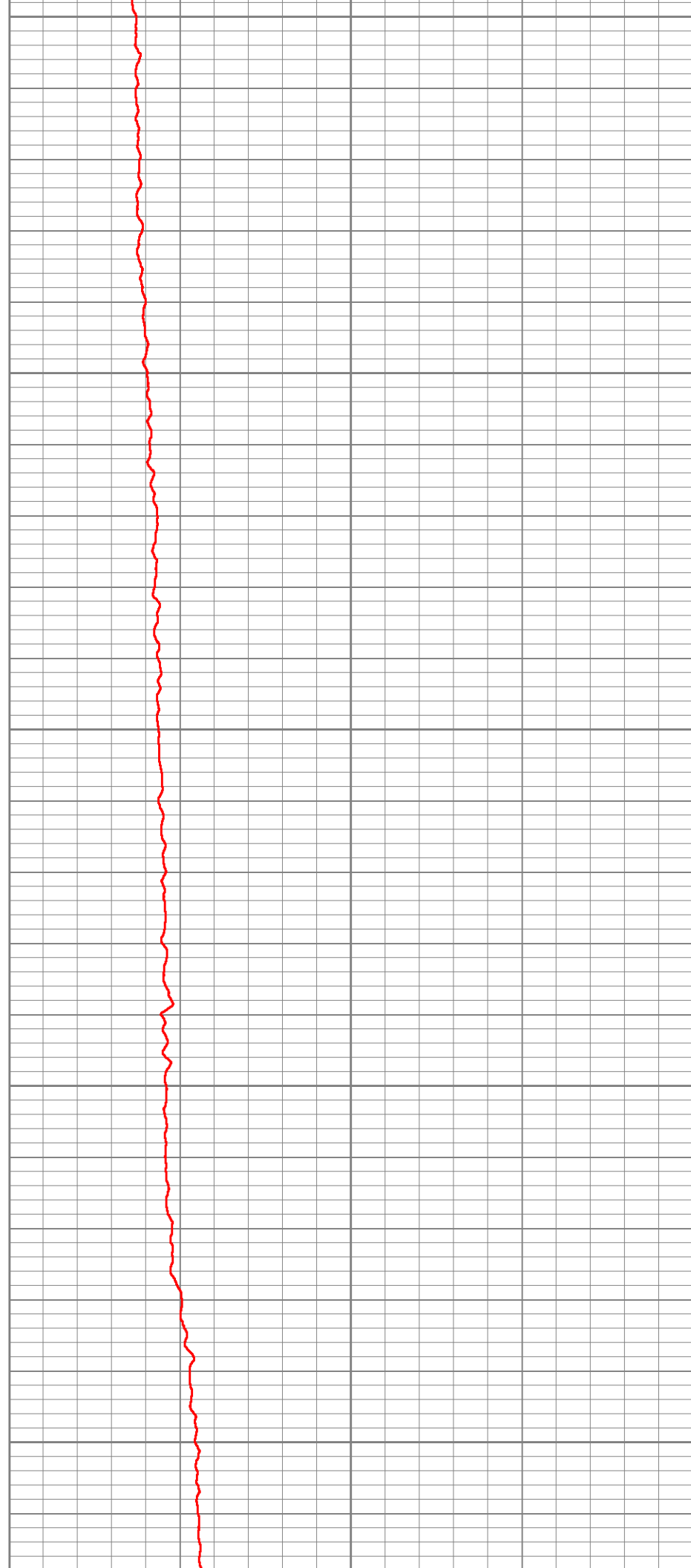
1200

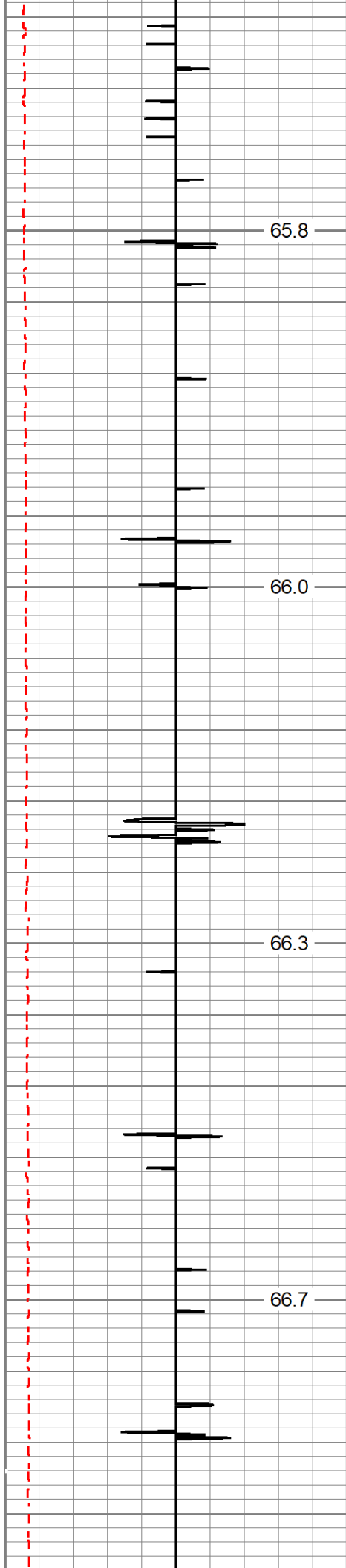
1250

1300

1350

1400



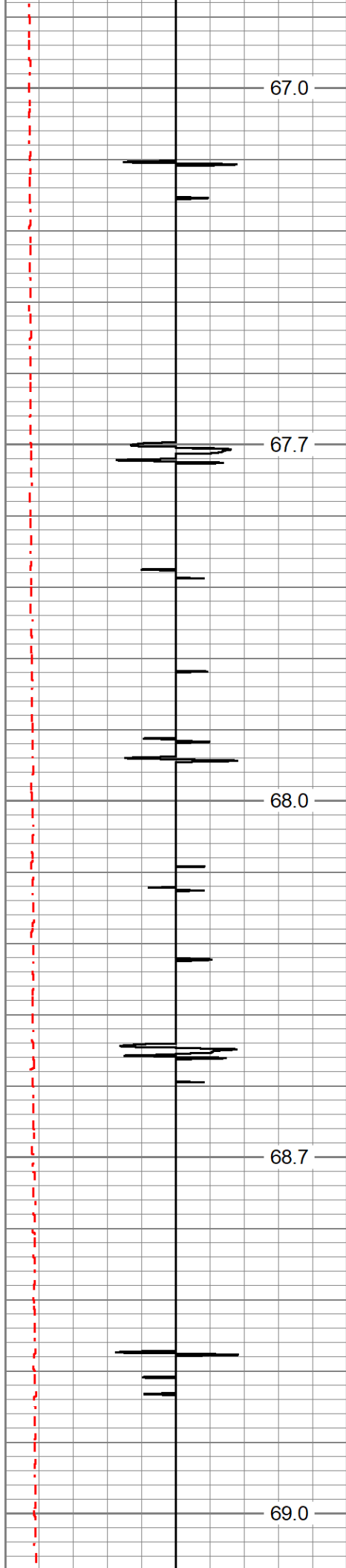


1450

1500

1550

1600



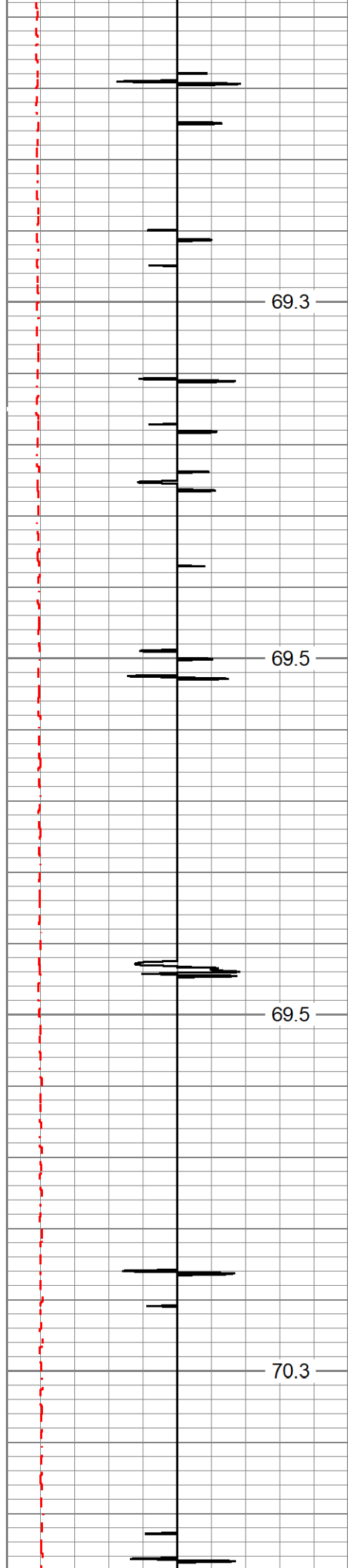
1650

1700

1750

1800

1850

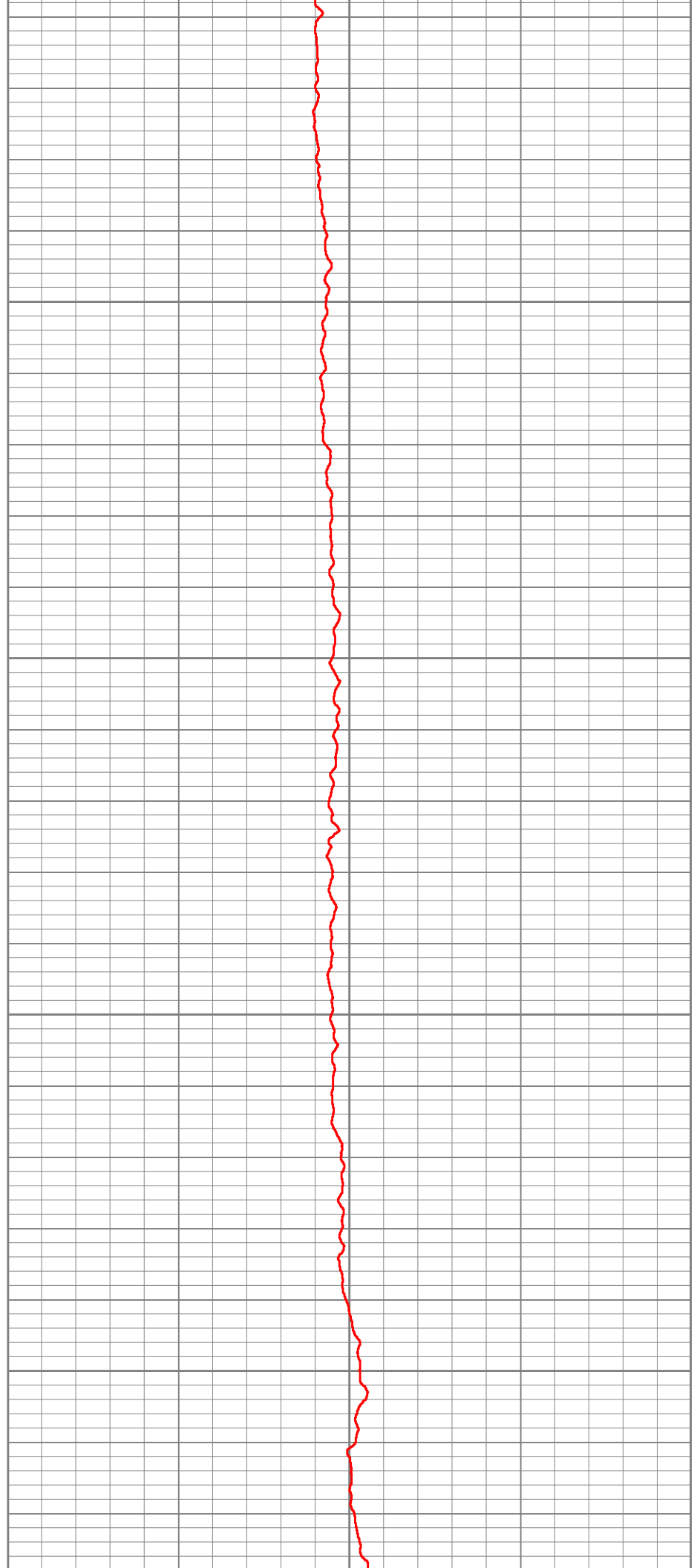


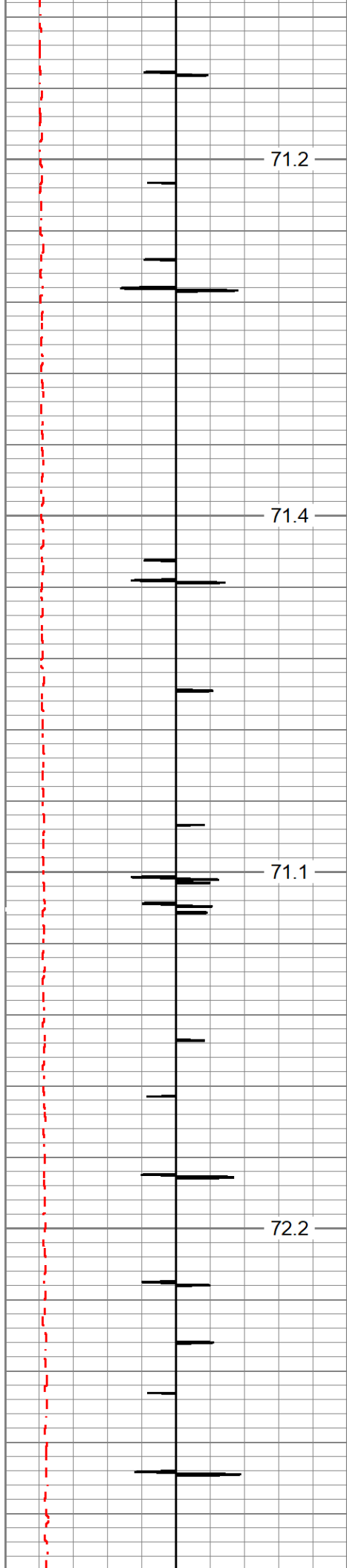
1900

1950

2000

2050





71.2

2100

71.4

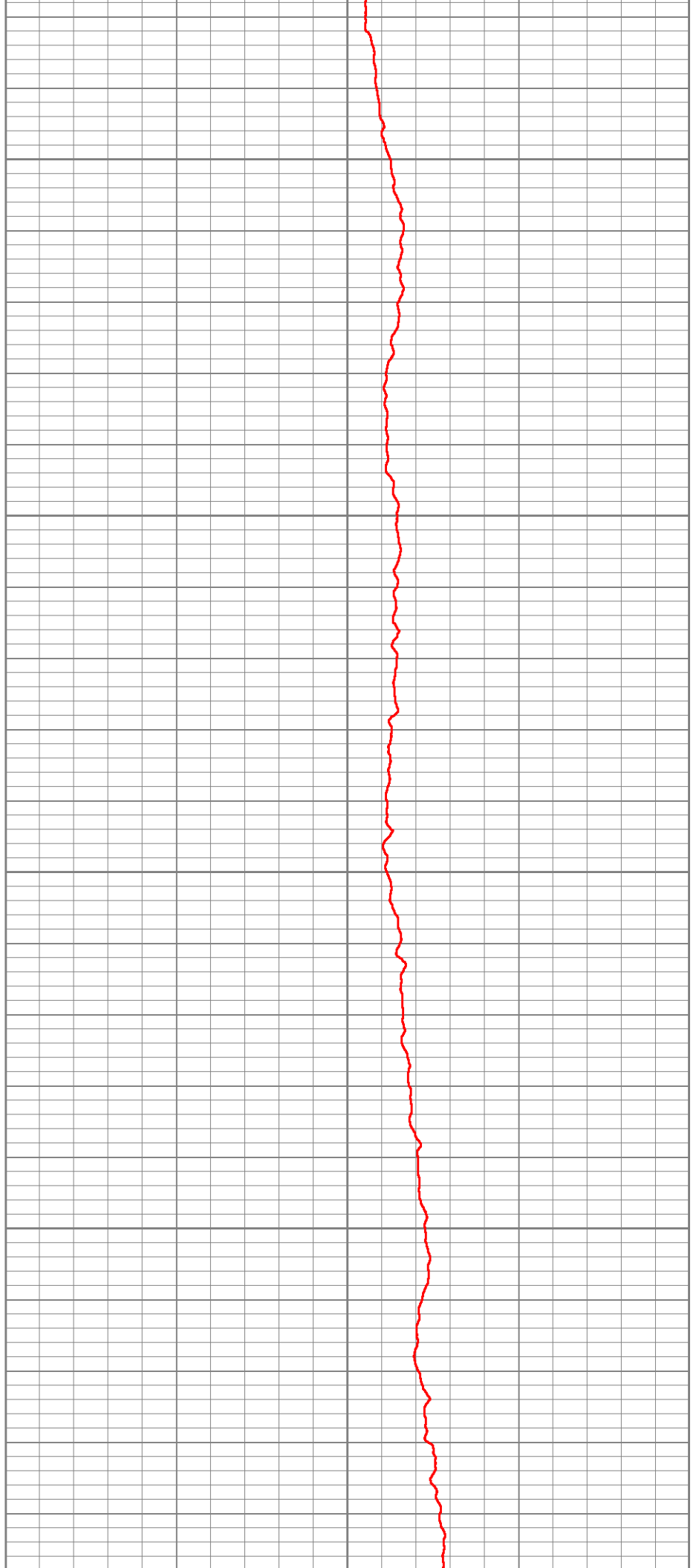
2150

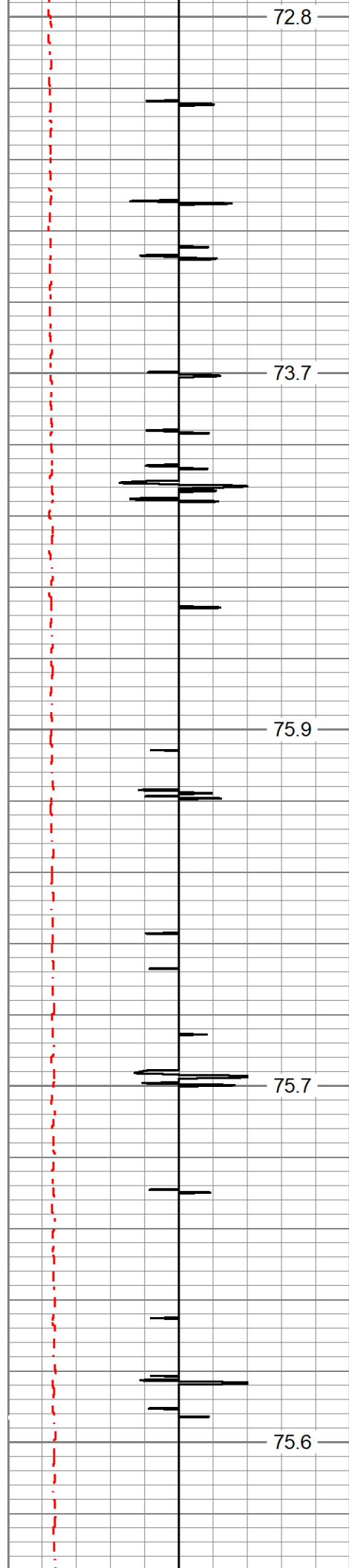
71.1

2200

72.2

2250





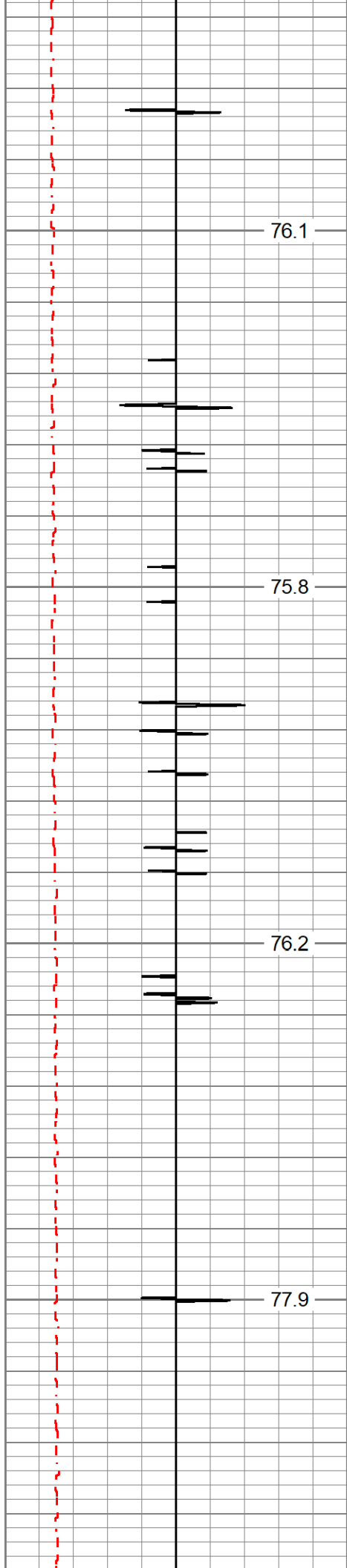
2300

2350

2400

2450

2500



76.1

2550

75.8

2600

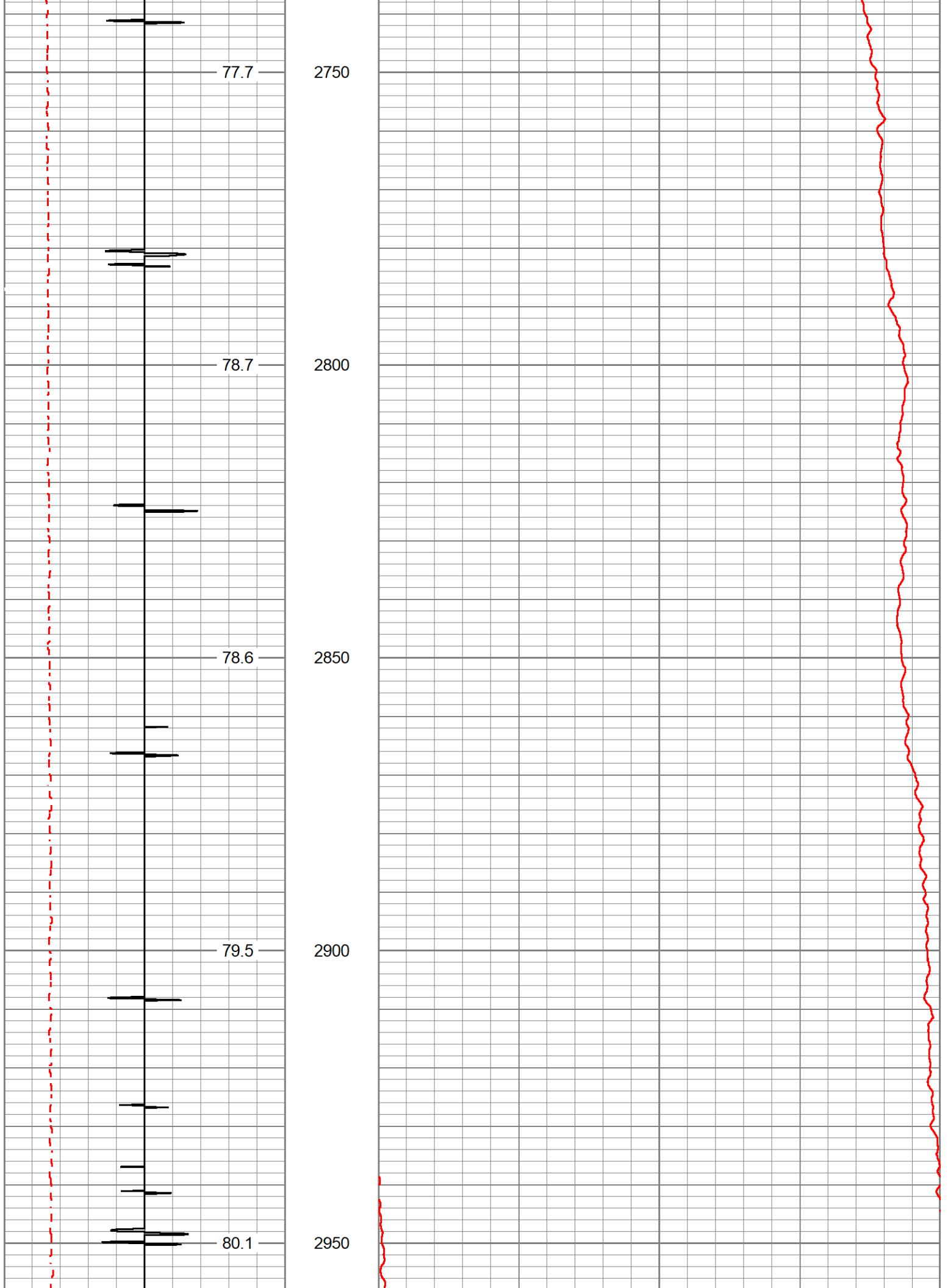
76.2

2650

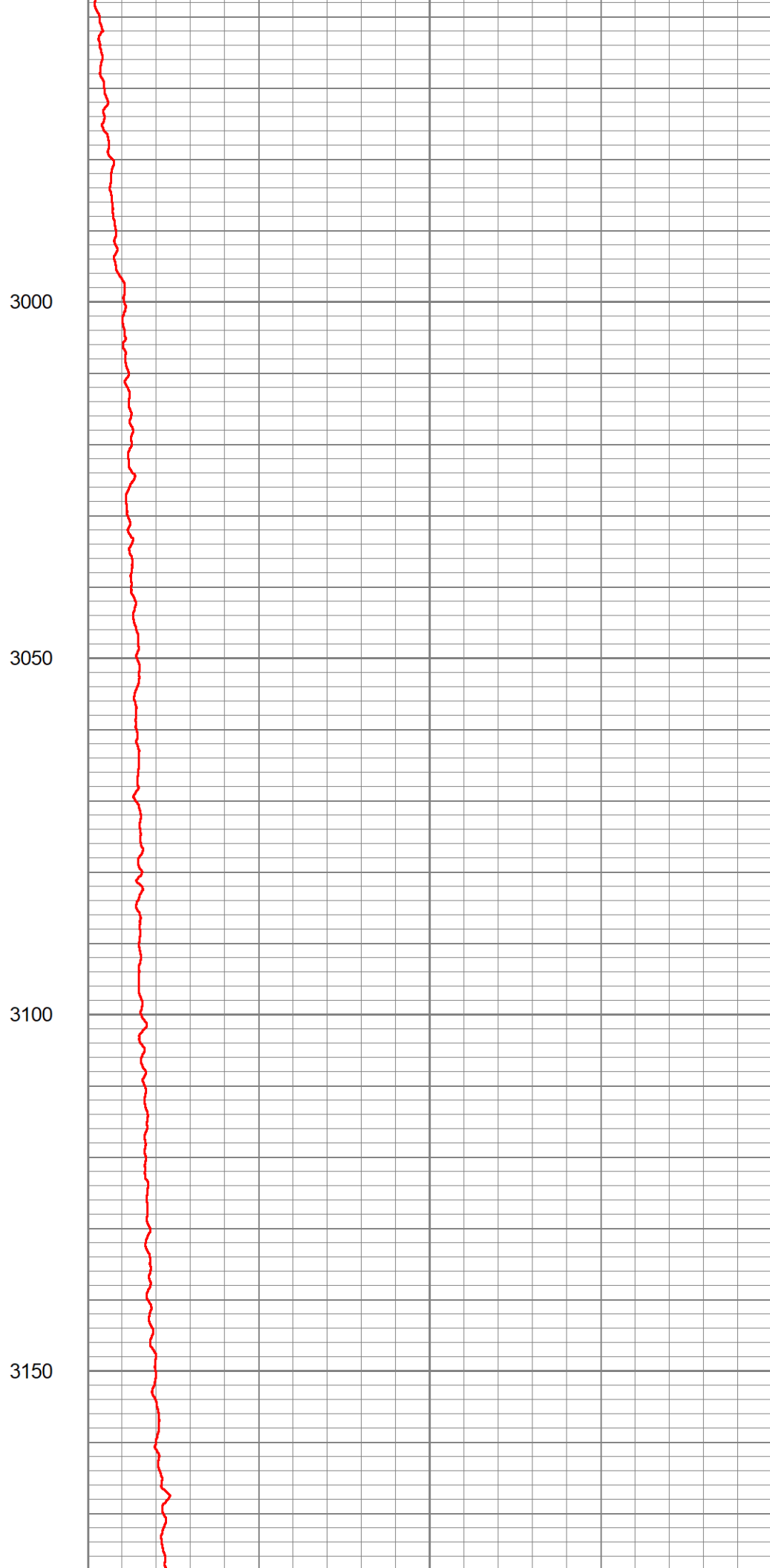
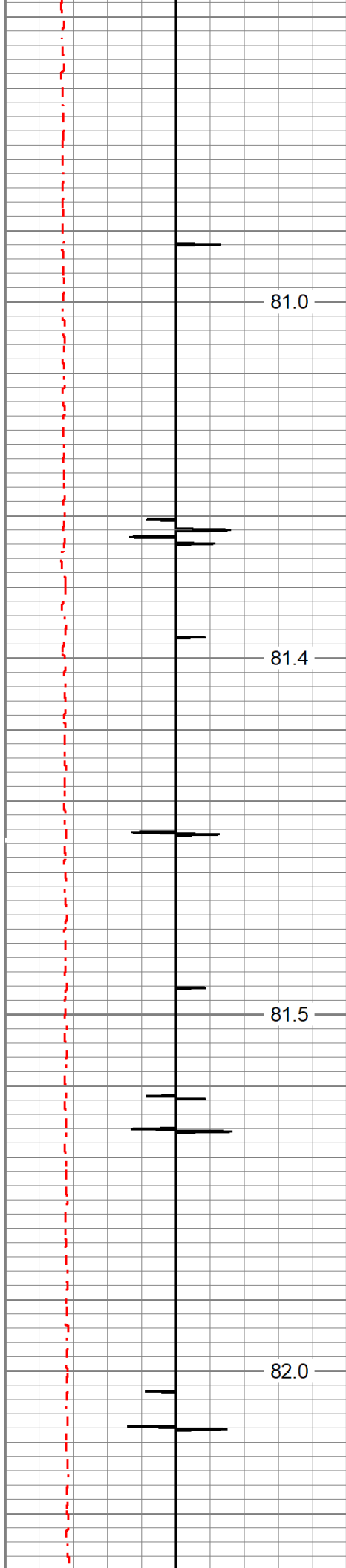
77.9

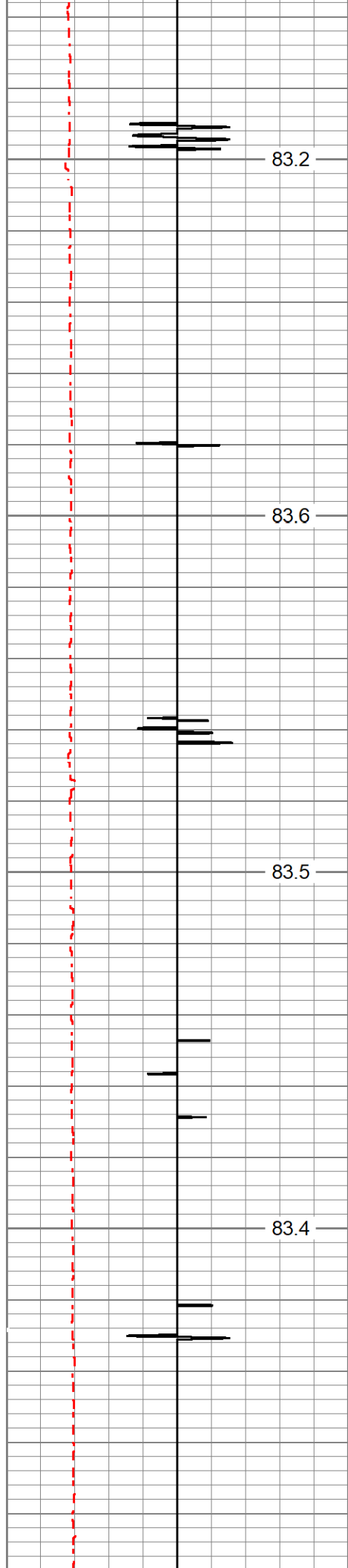
2700









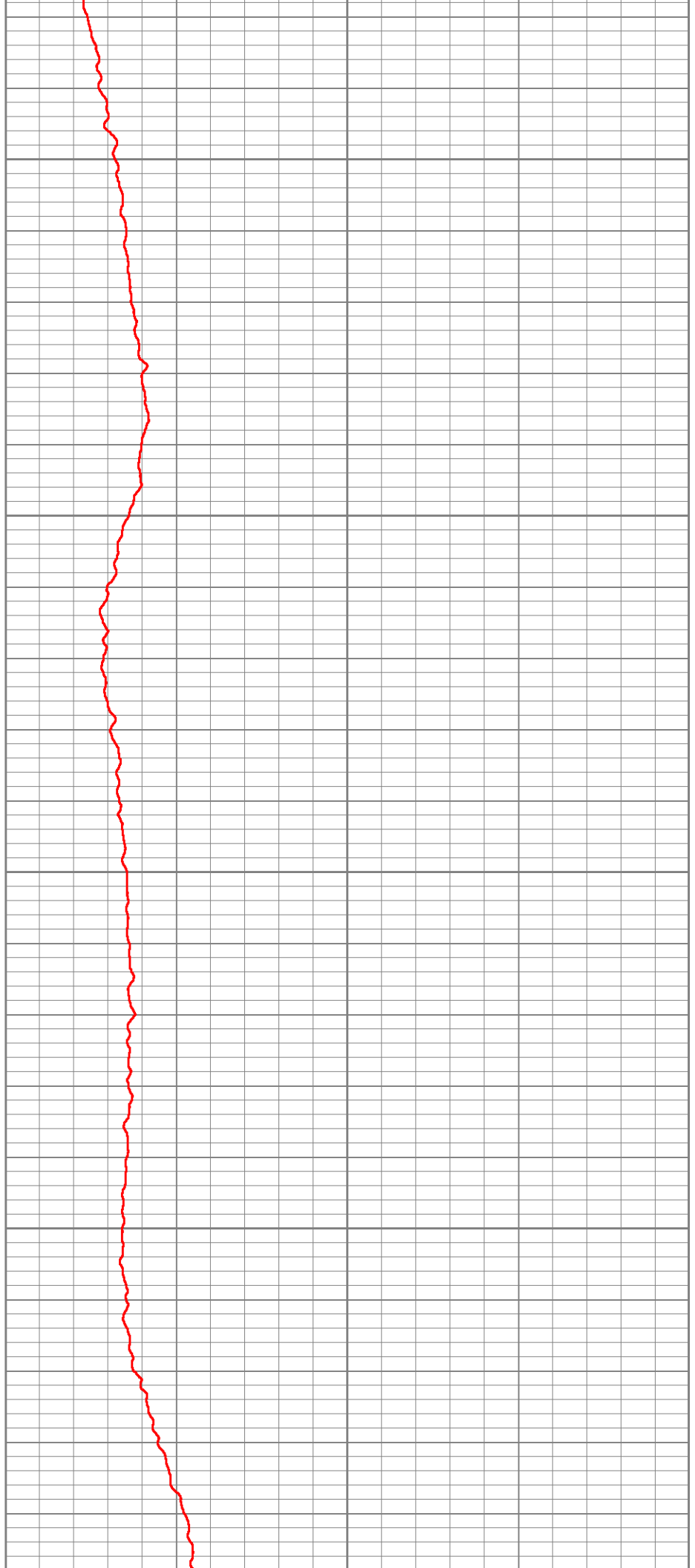


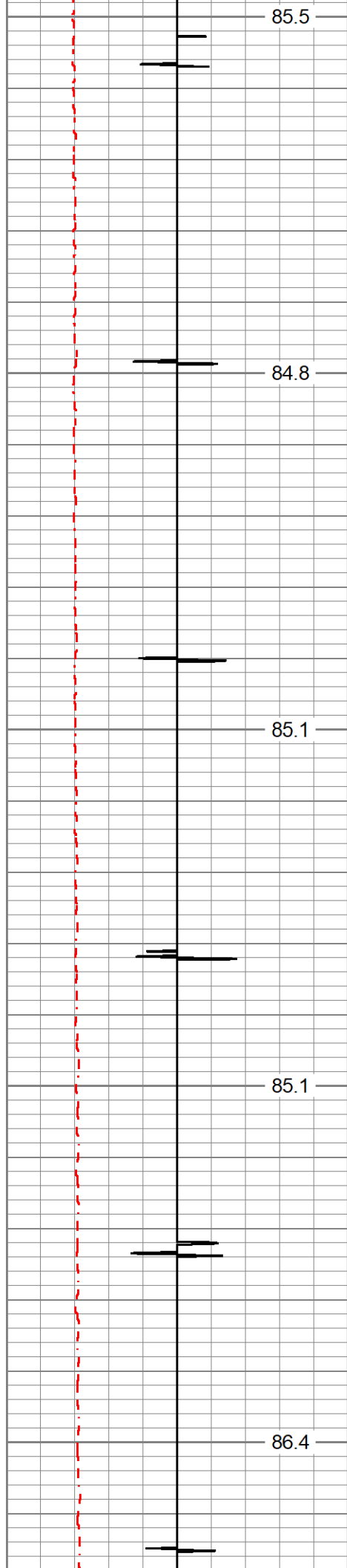
3200

3250

3300

3350





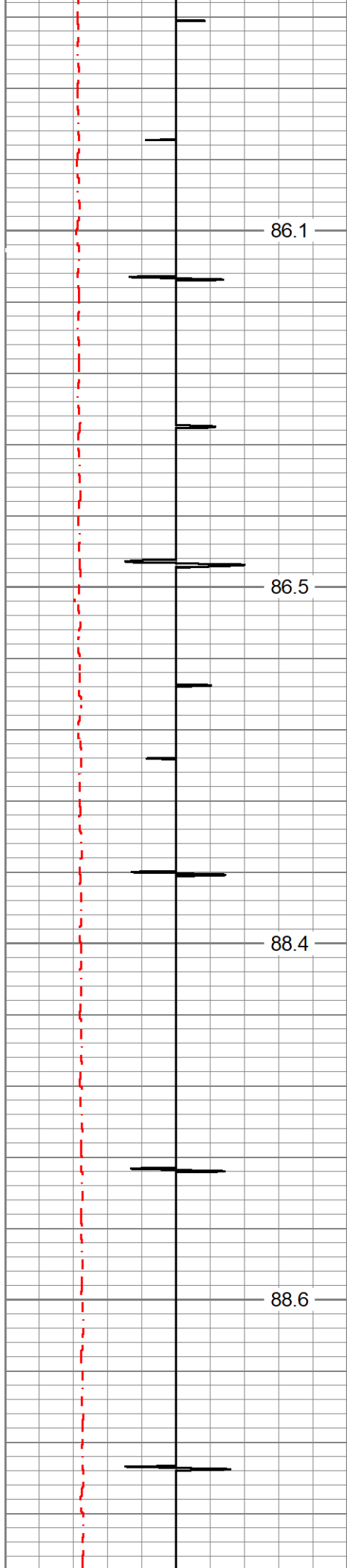
3400

3450

3500

3550

3600

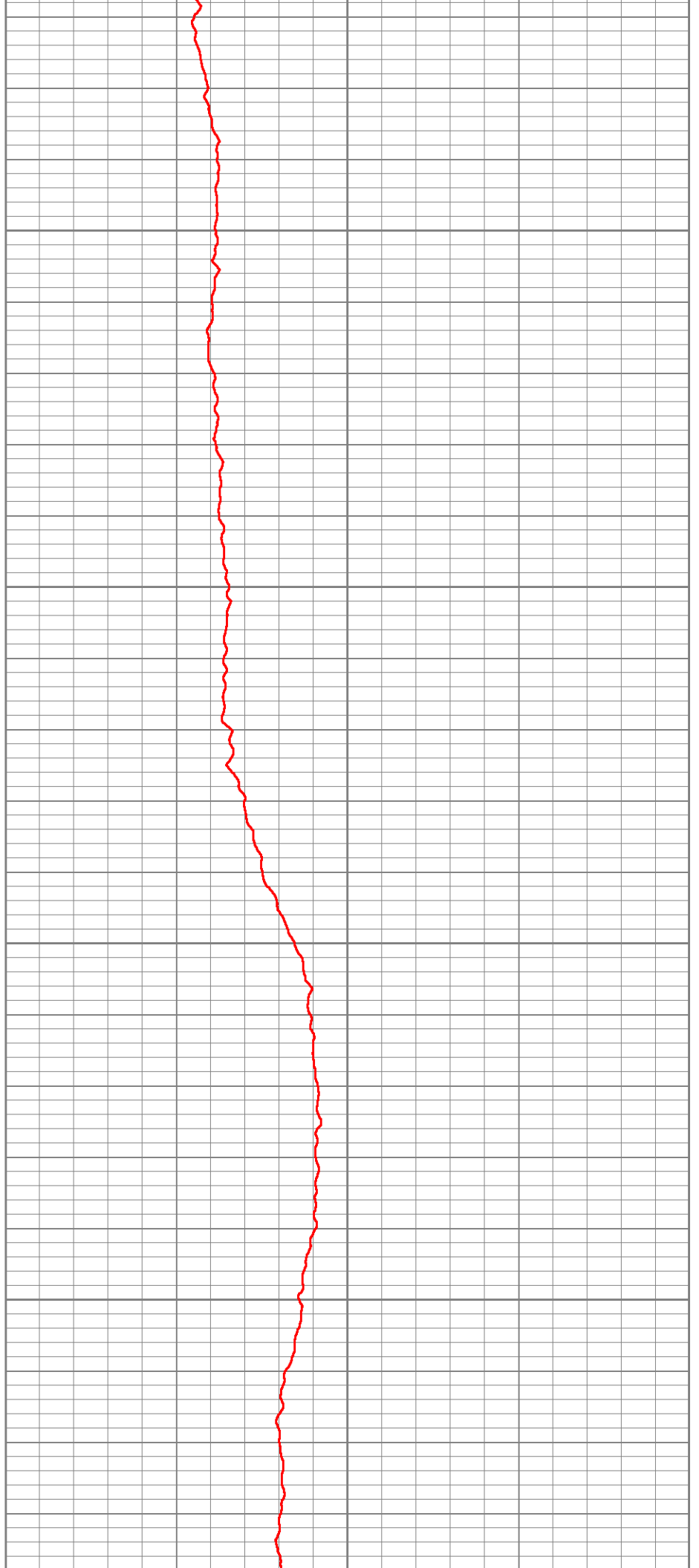


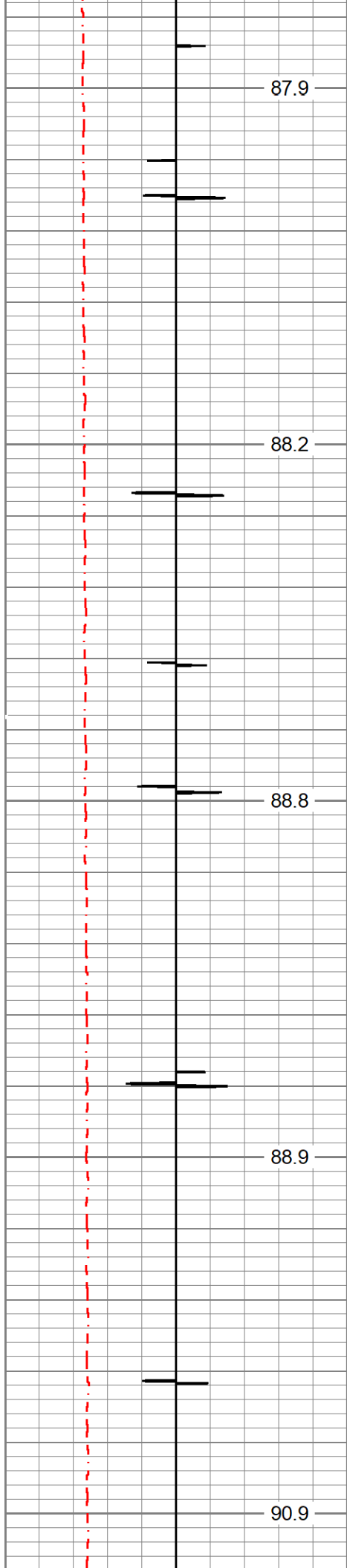
3650

3700

3750

3800





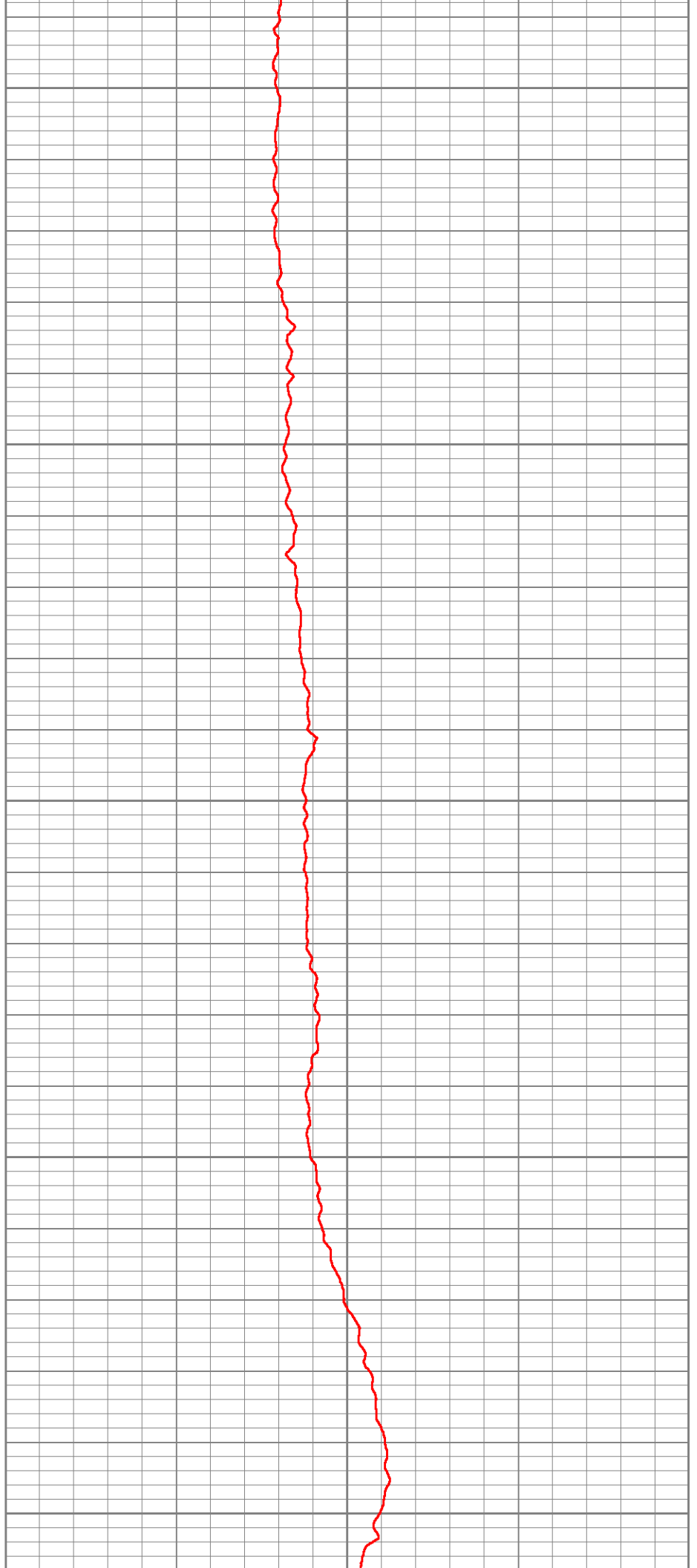
3850

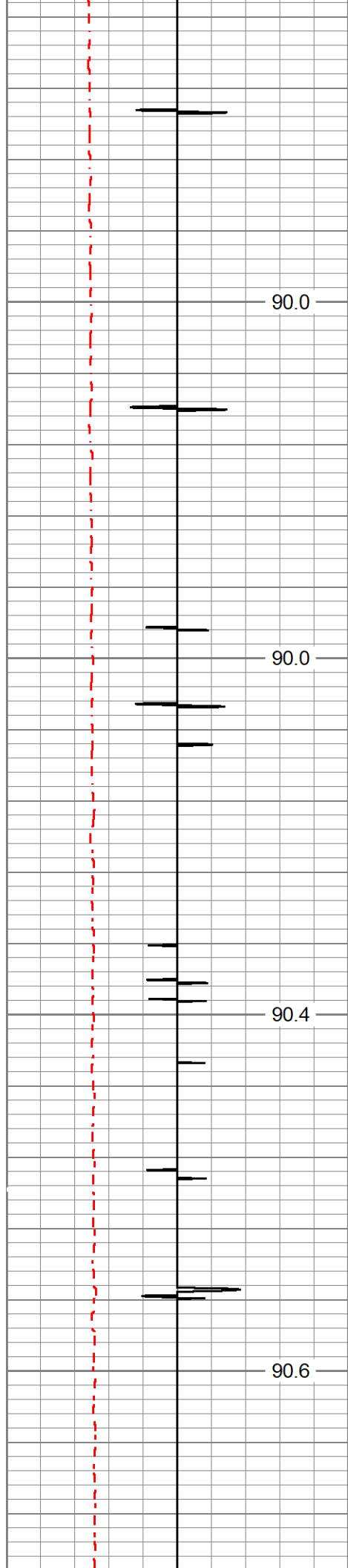
3900

3950

4000

4050



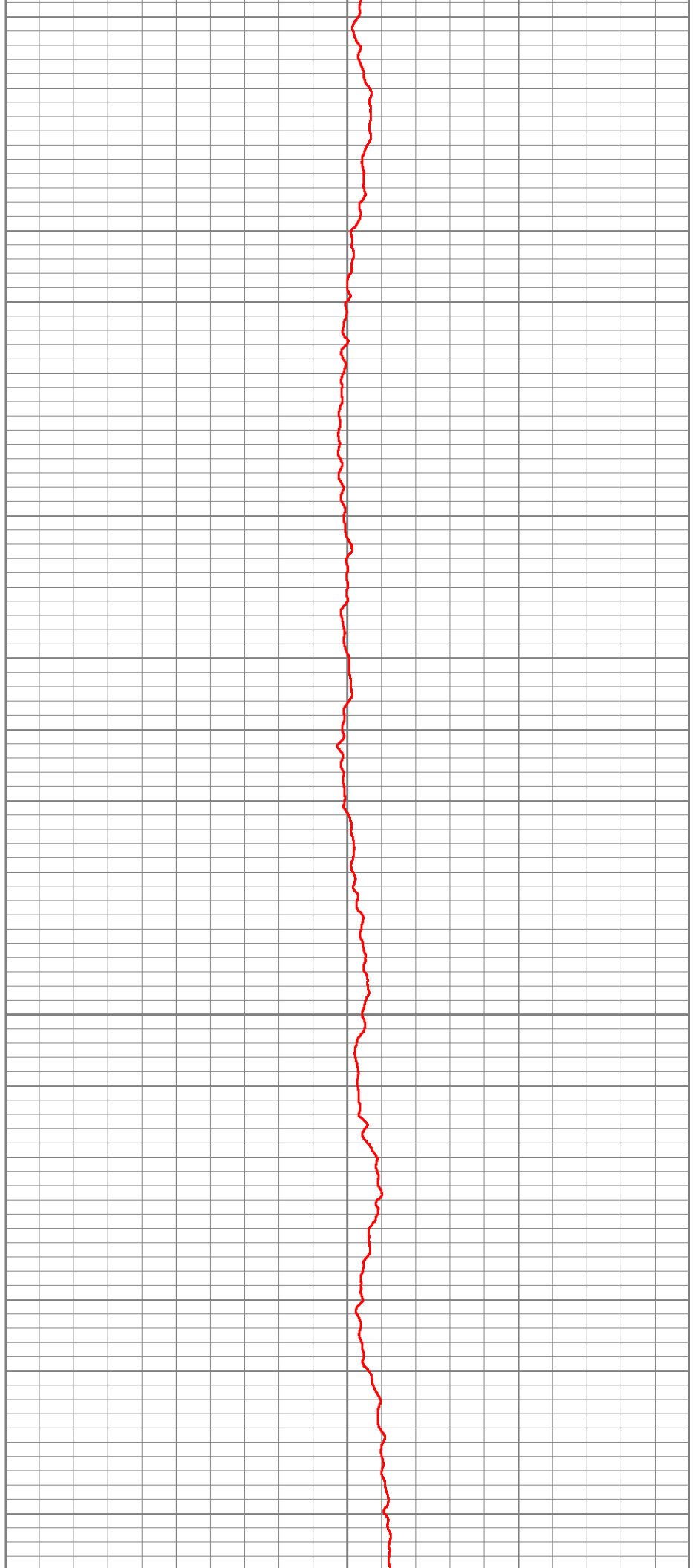


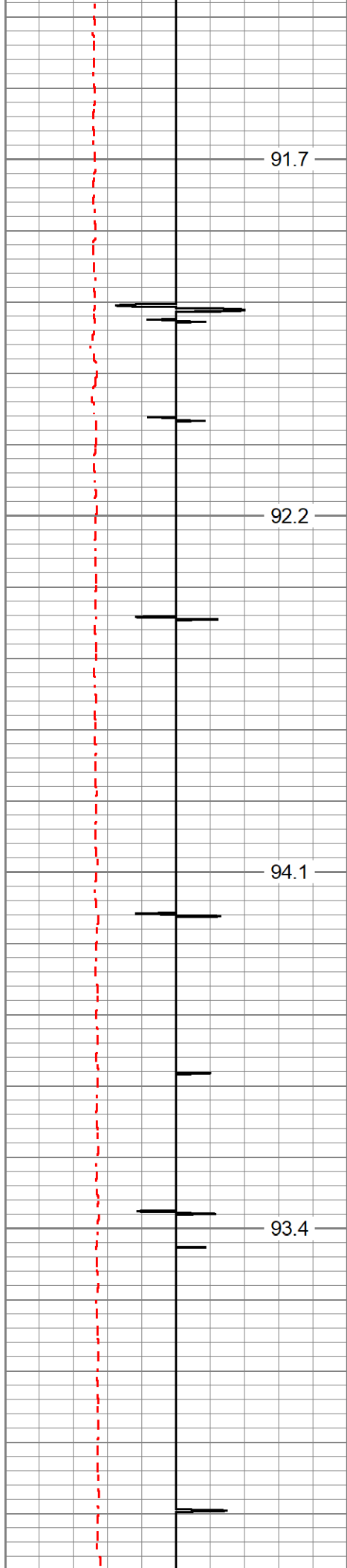
4100

4150

4200

4250



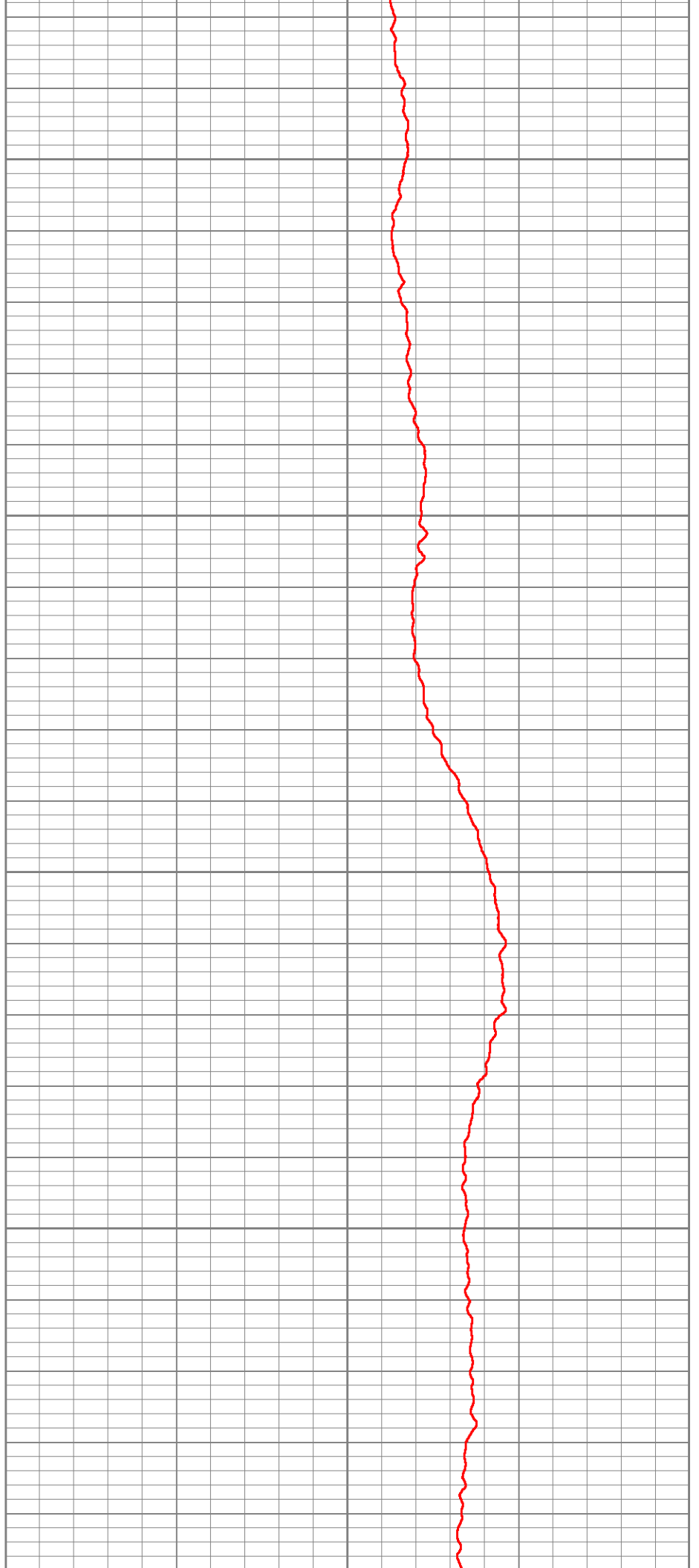


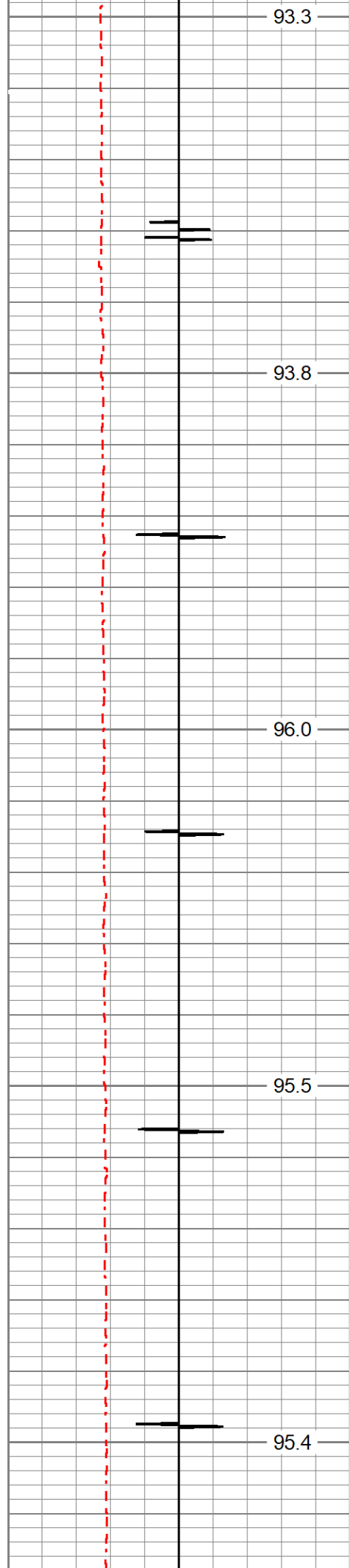
4300

4350

4400

4450

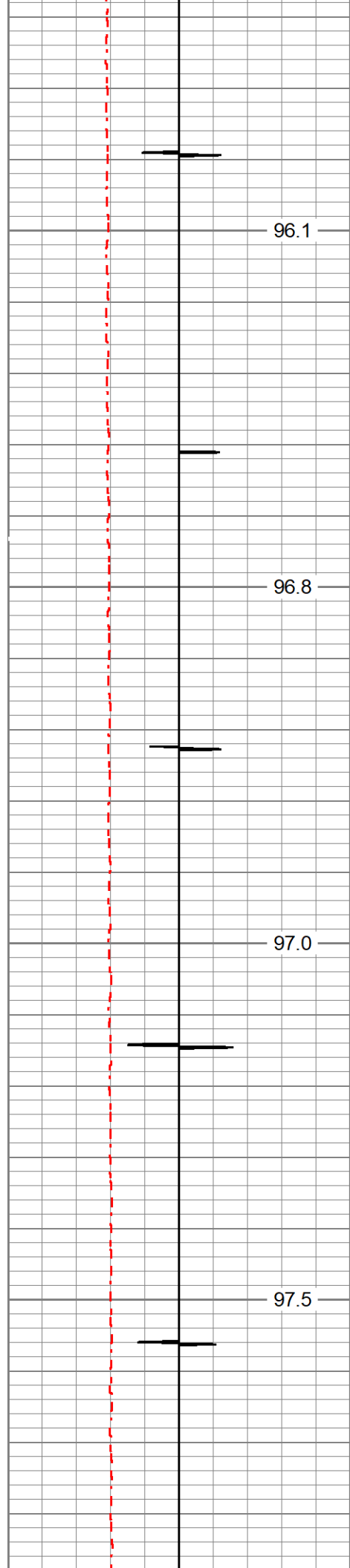




4500  
4550  
4600  
4650  
4700







96.1

96.8

97.0

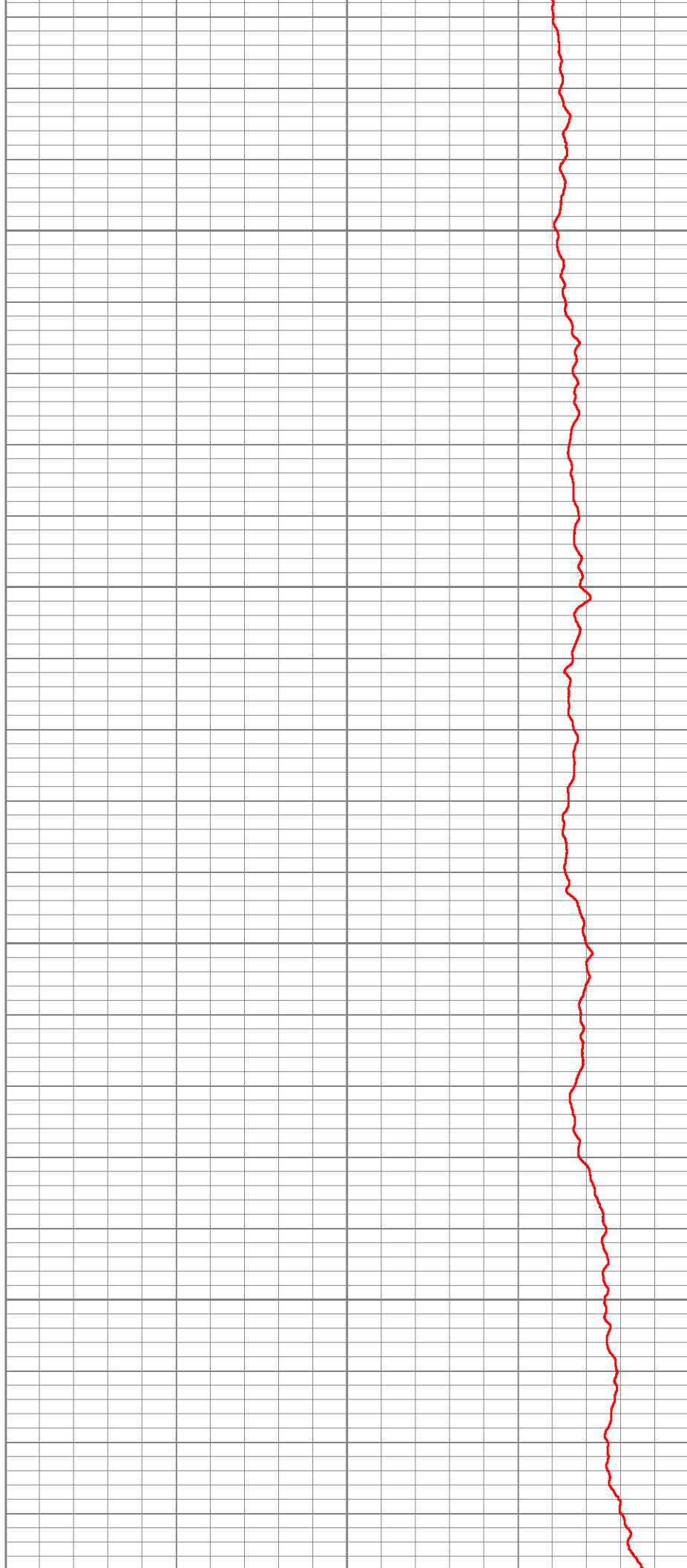
97.5

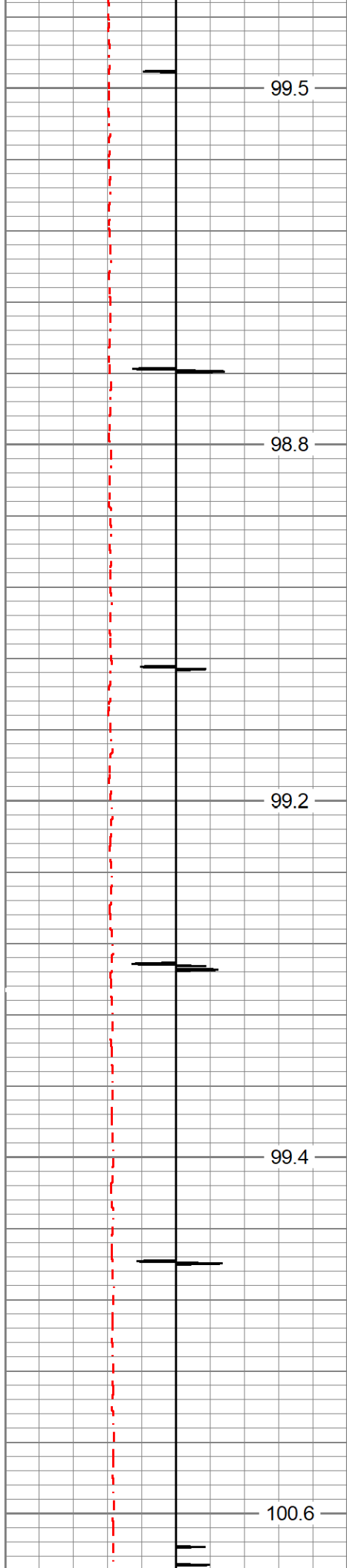
4750

4800

4850

4900





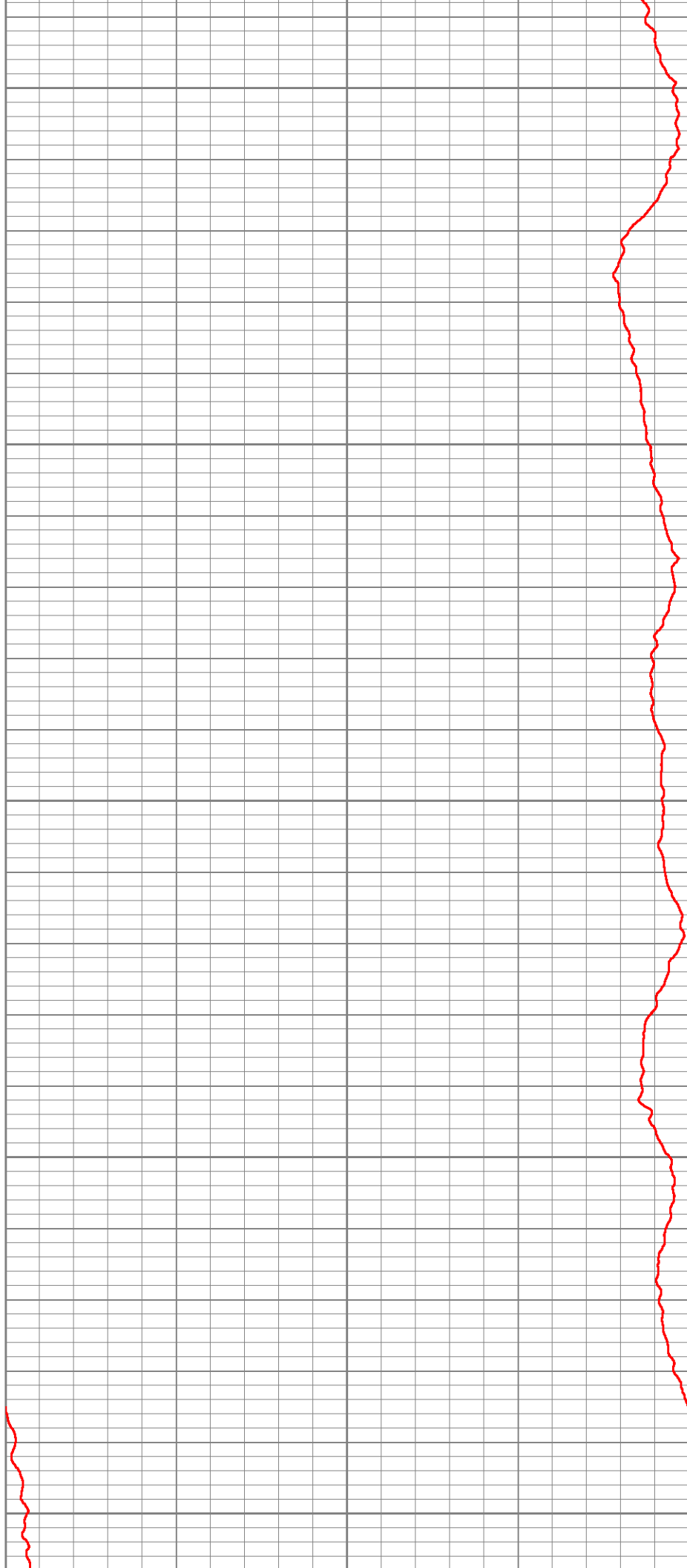
4950

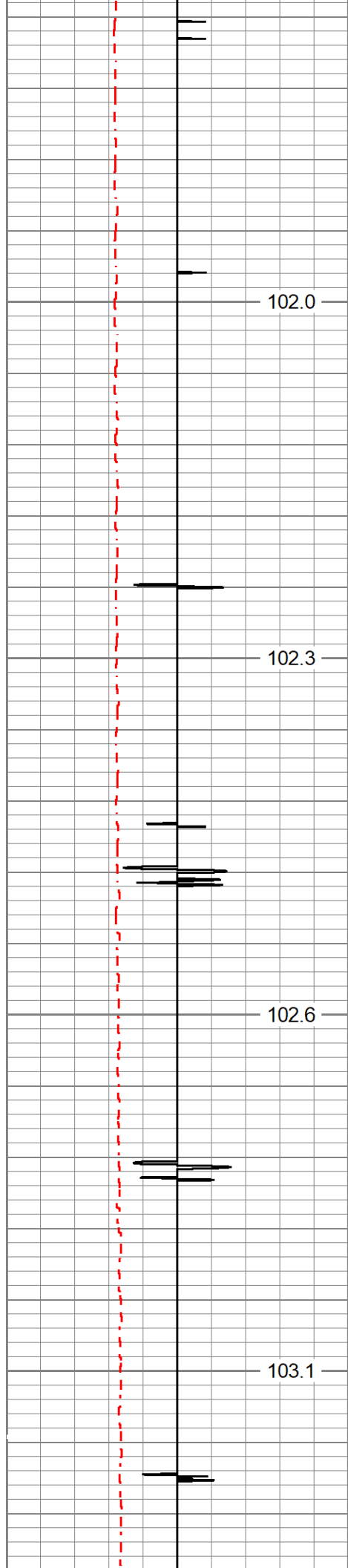
5000

5050

5100

5150



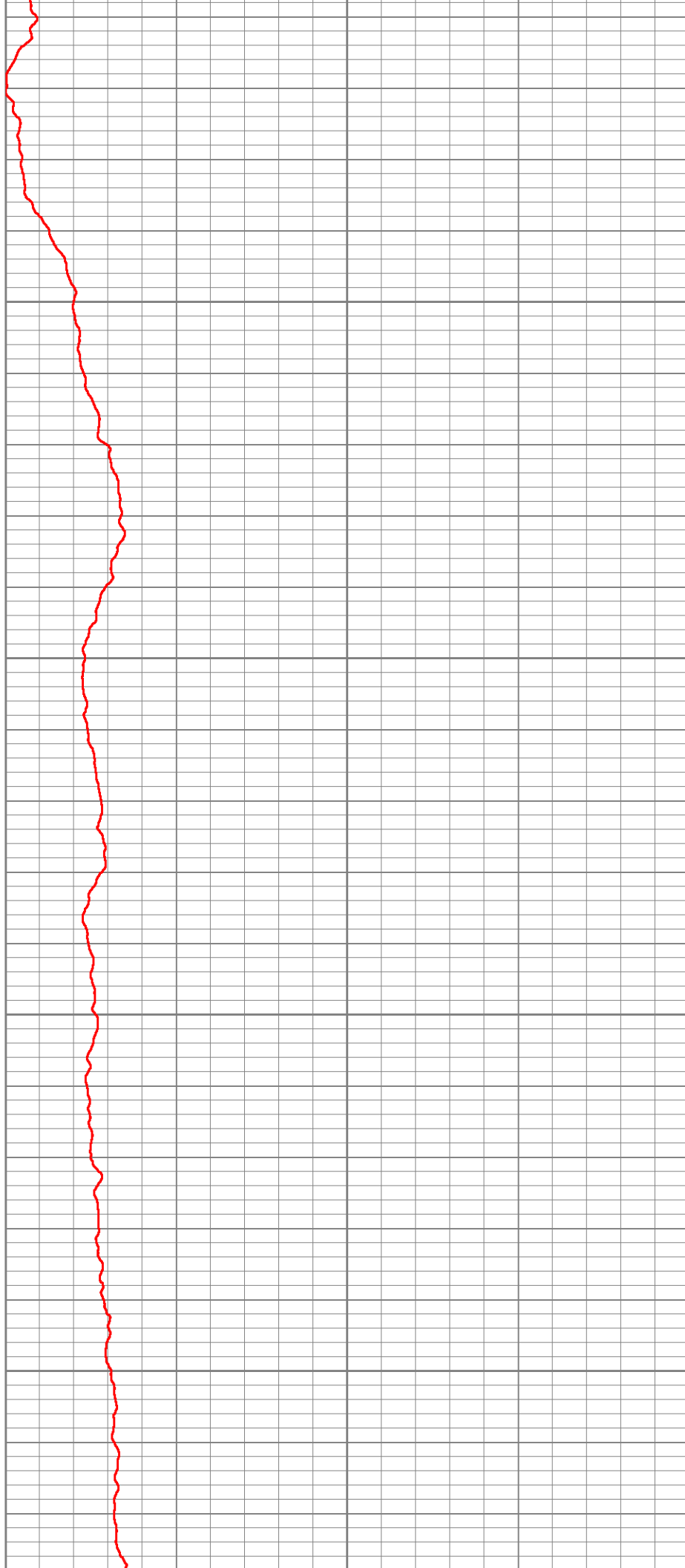


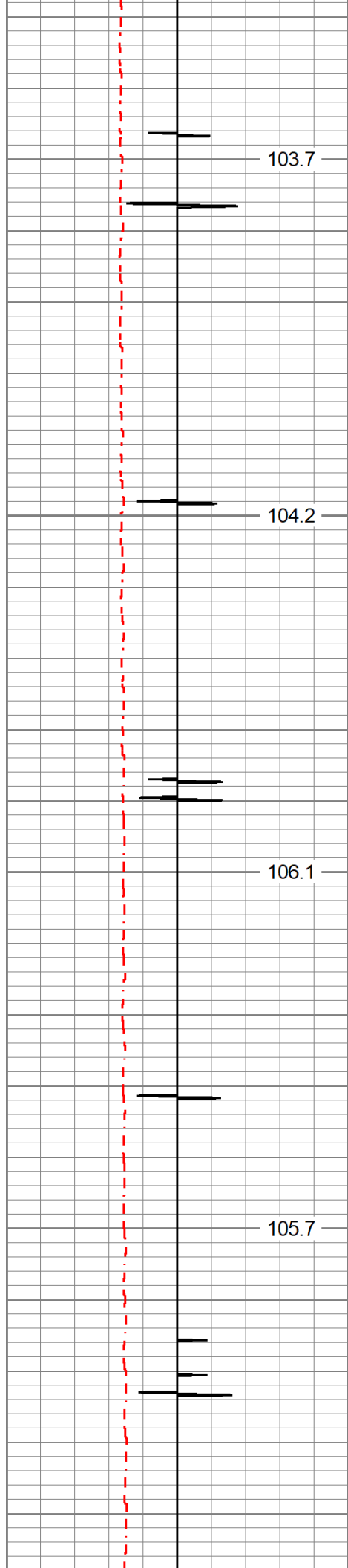
5200

5250

5300

5350





103.7

104.2

106.1

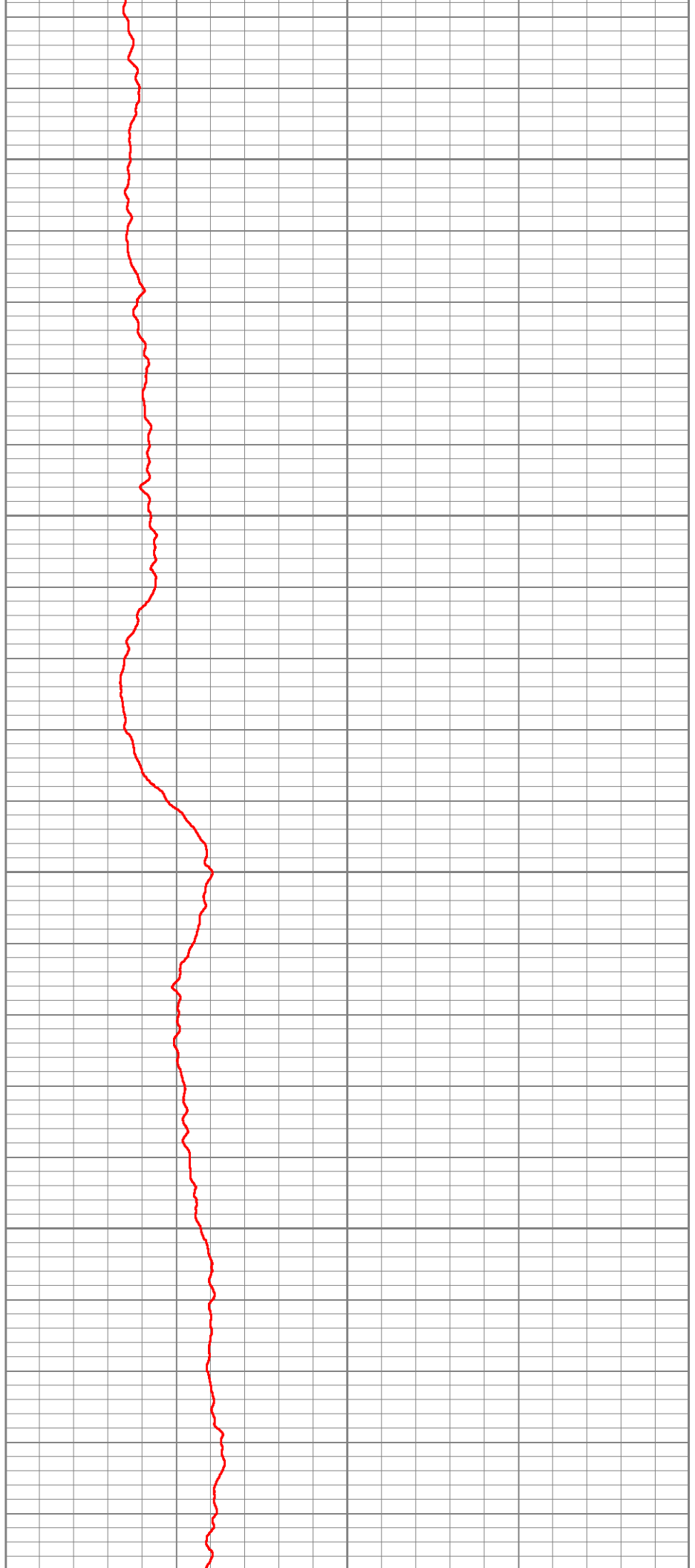
105.7

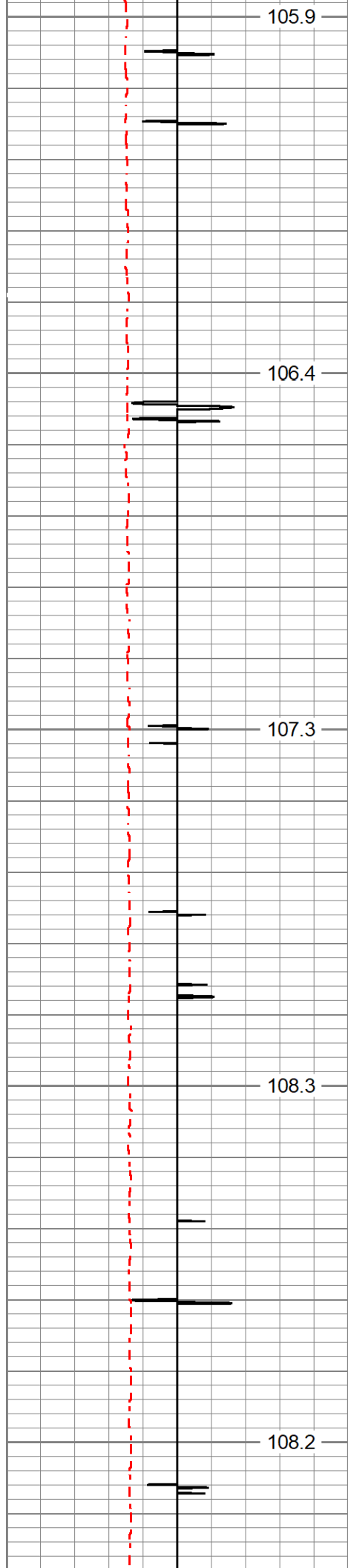
5400

5450

5500

5550





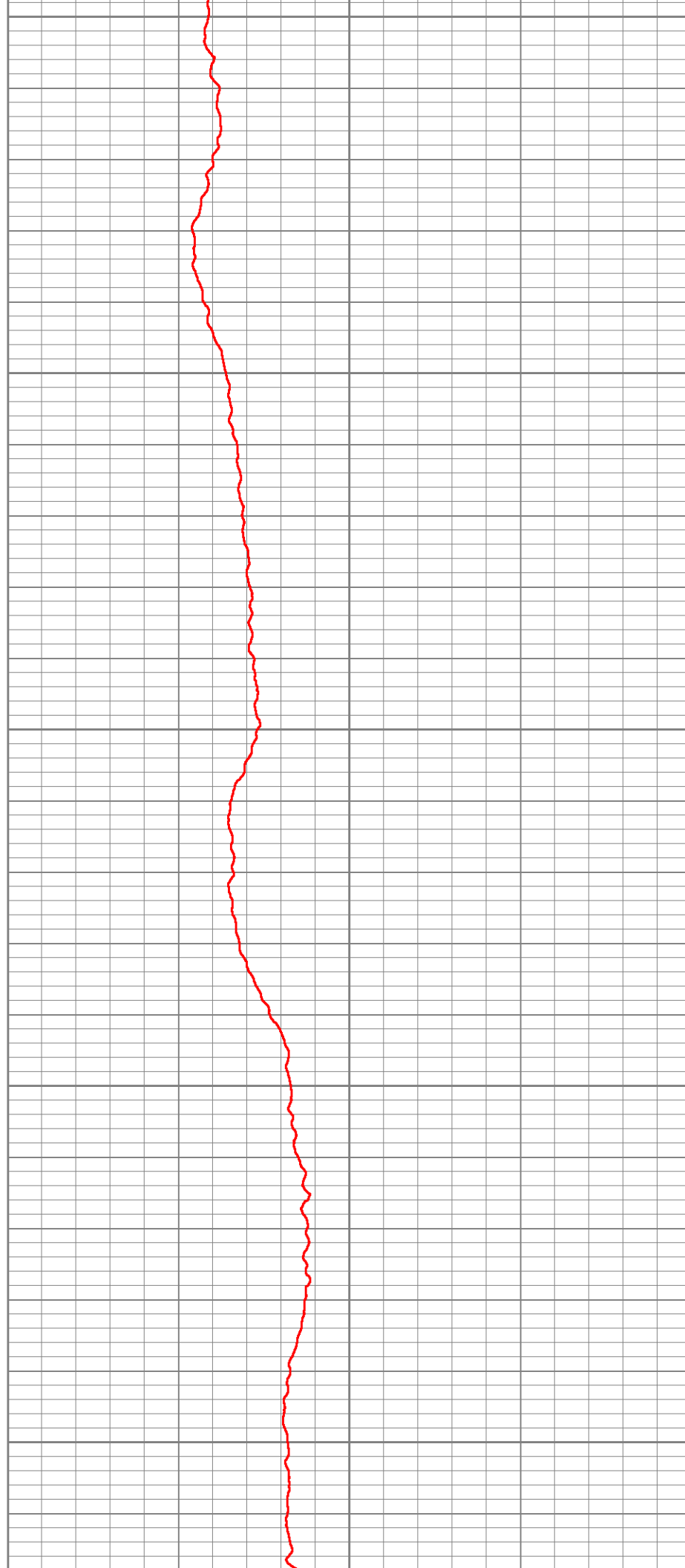
5600

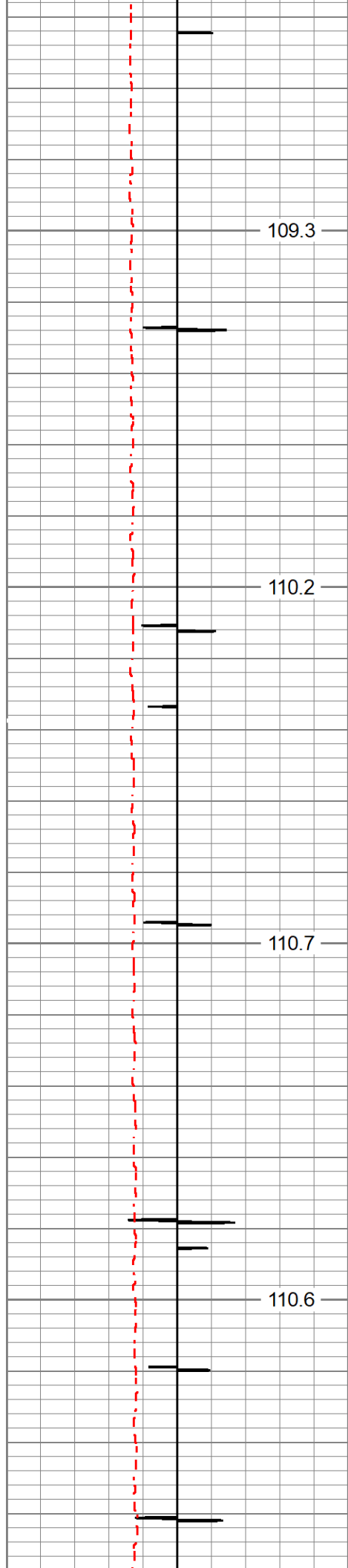
5650

5700

5750

5800



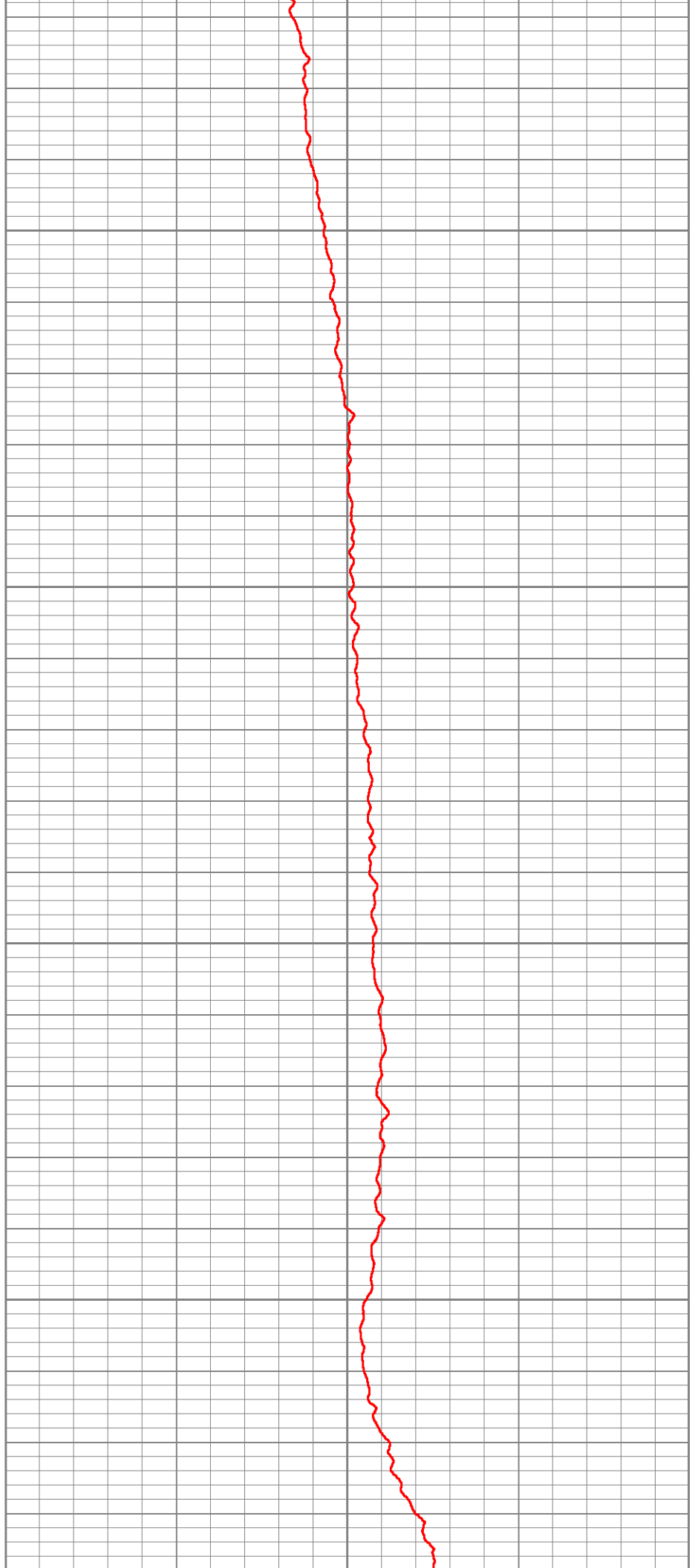


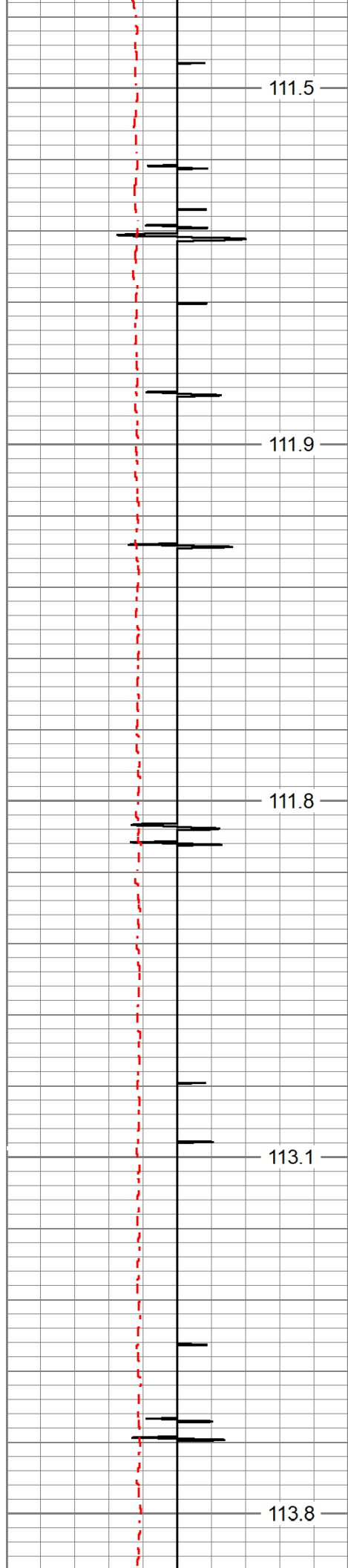
5850

5900

5950

6000





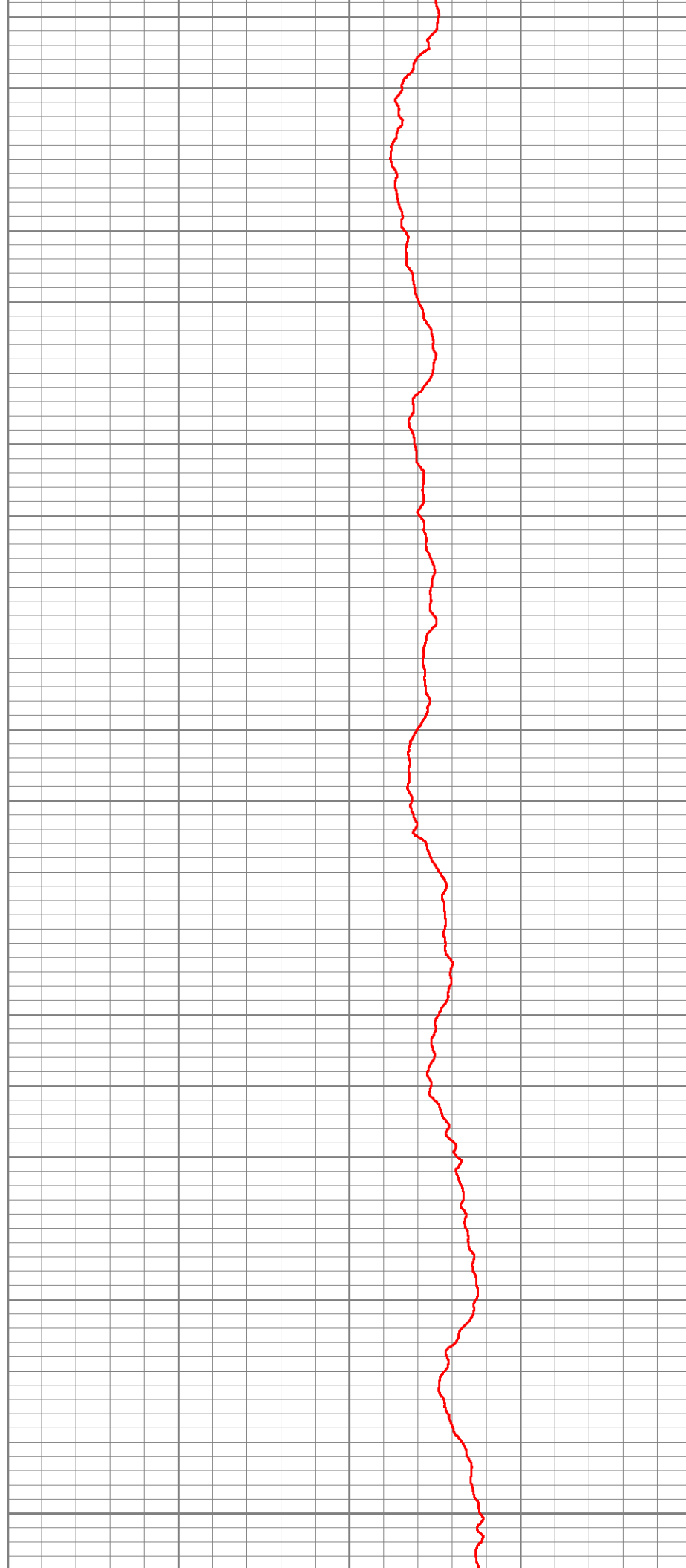
6050

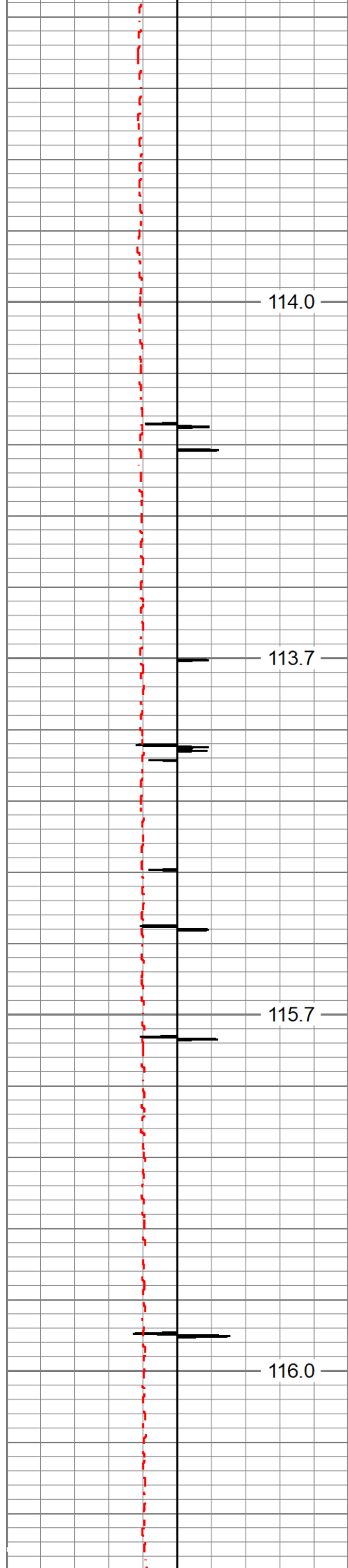
6100

6150

6200

6250





114.0

113.7

115.7

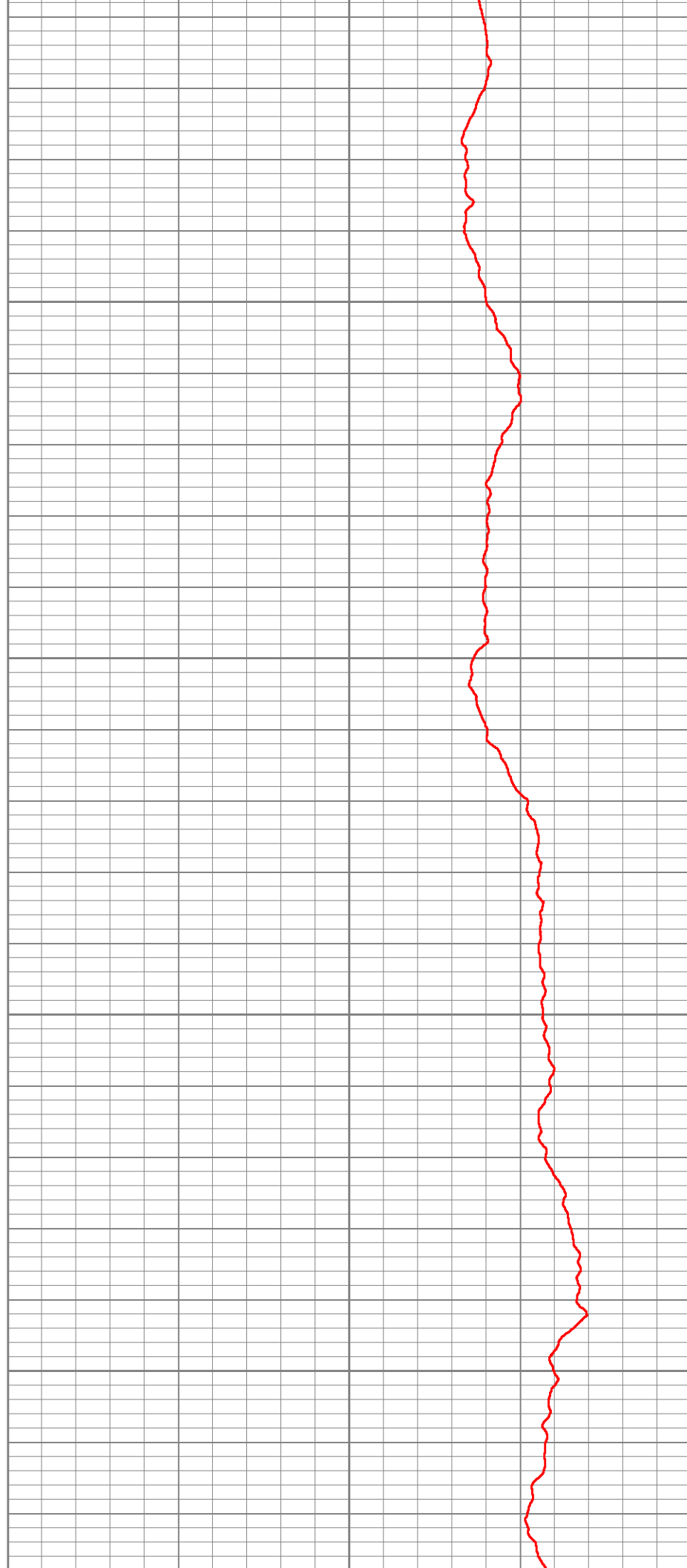
116.0

6300

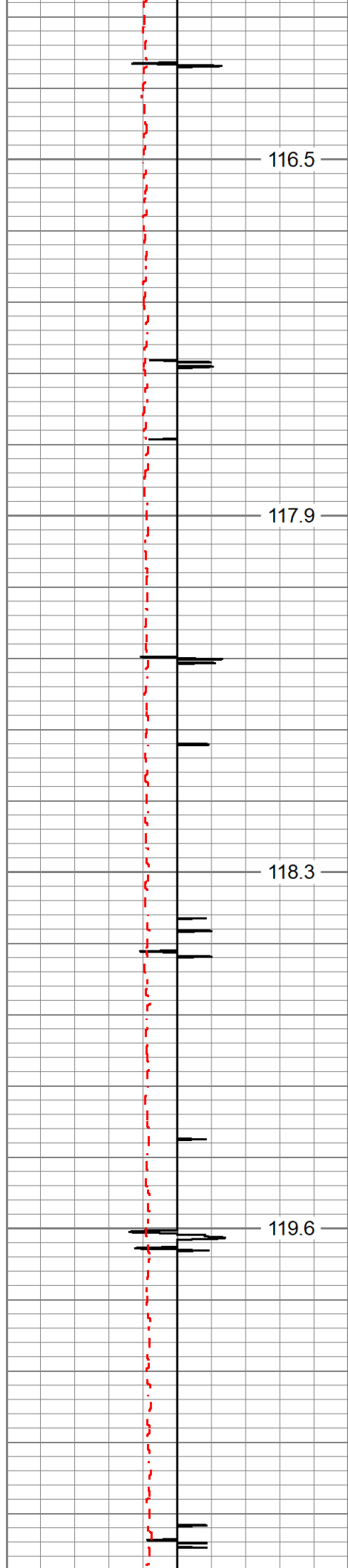
6350

6400

6450





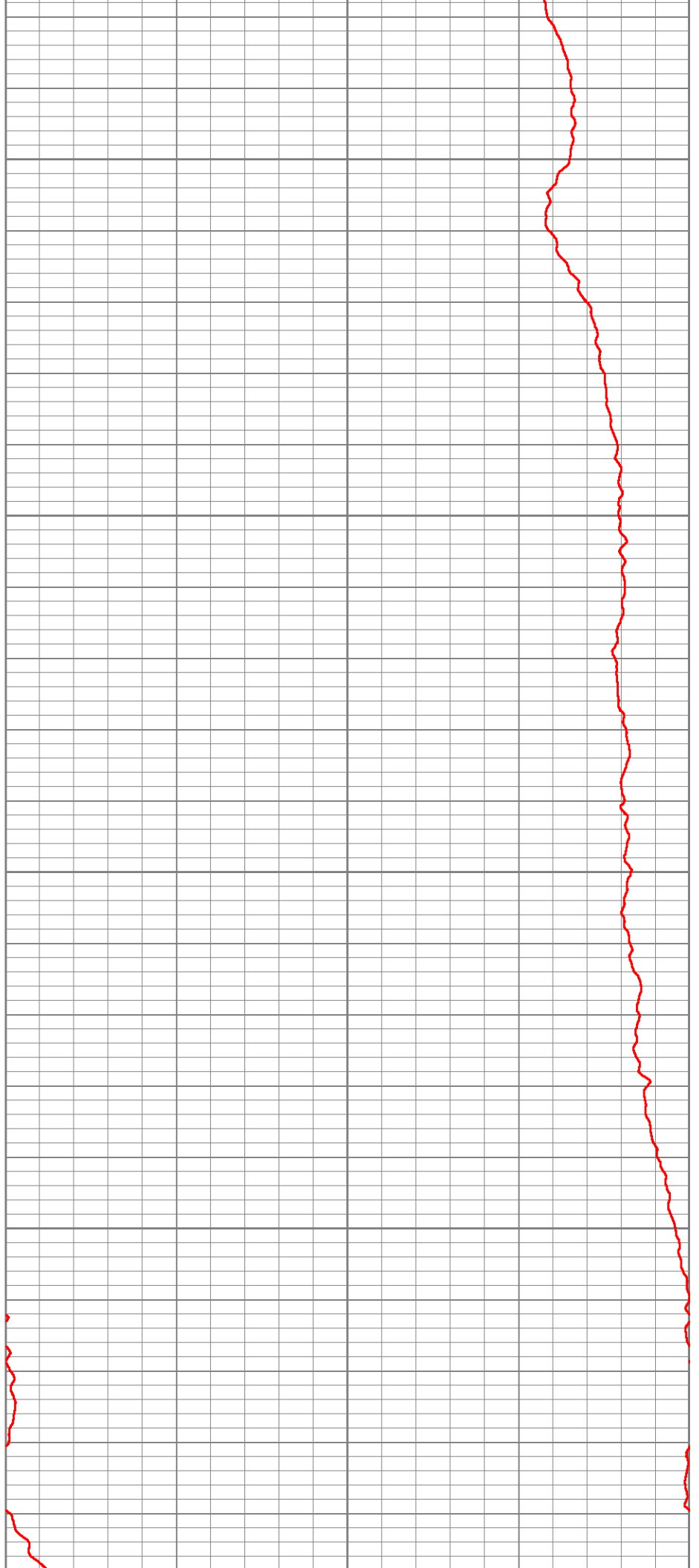


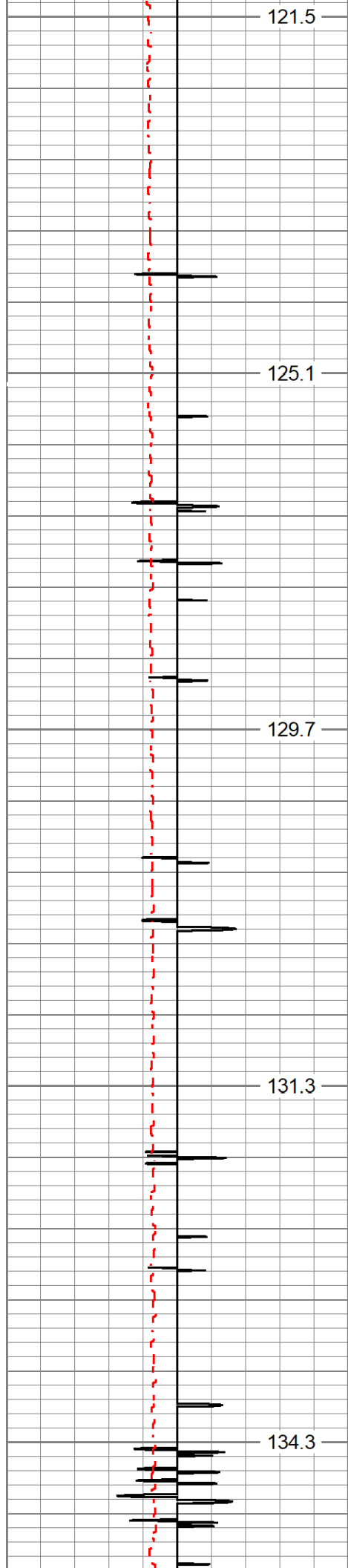
6500

6550

6600

6650





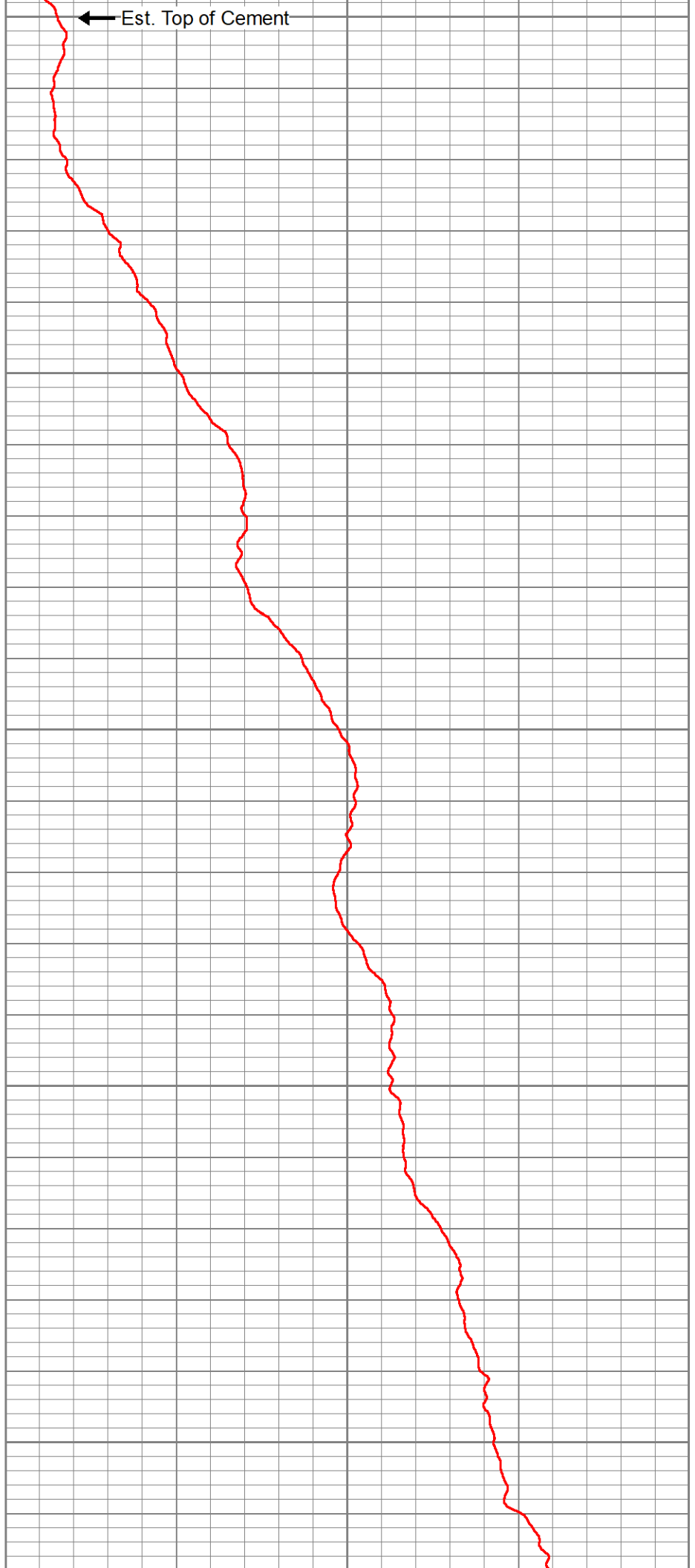
6700 ← Est. Top of Cement

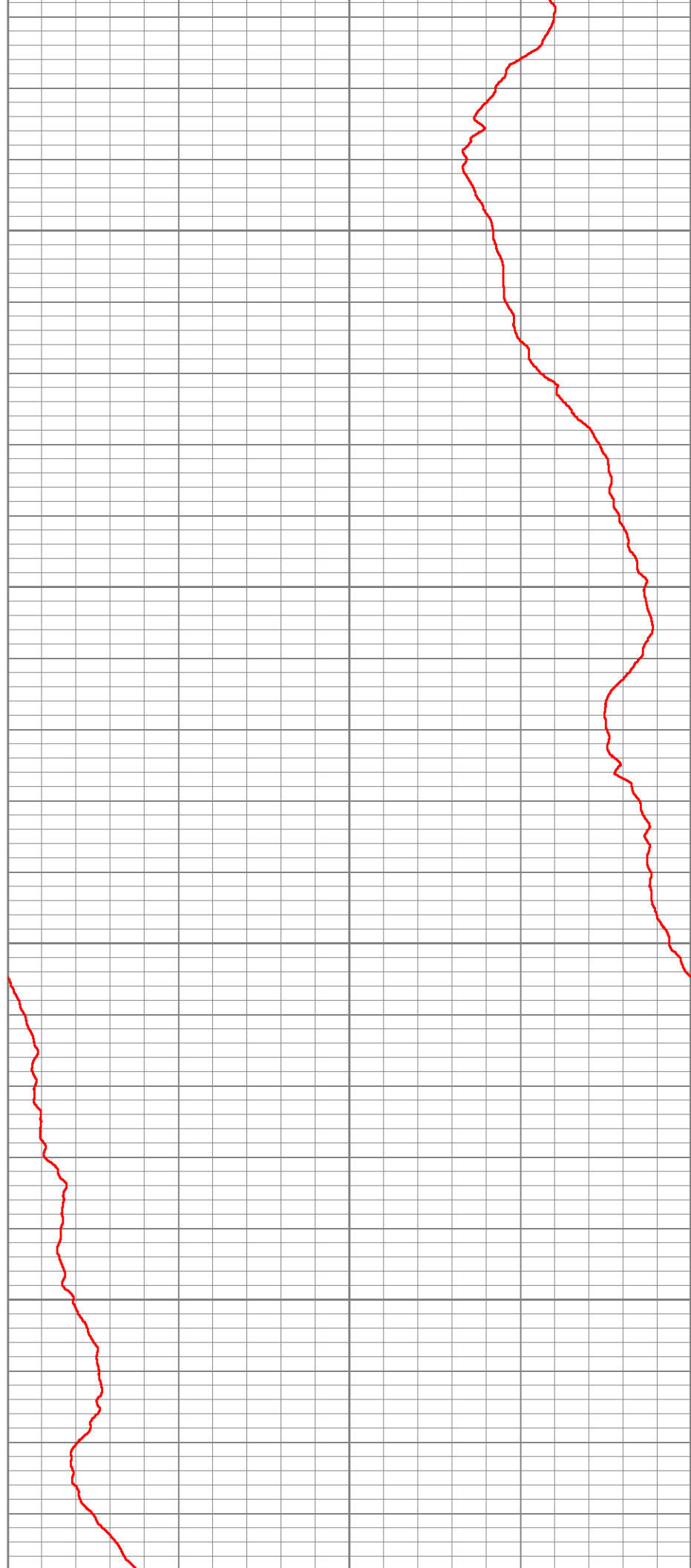
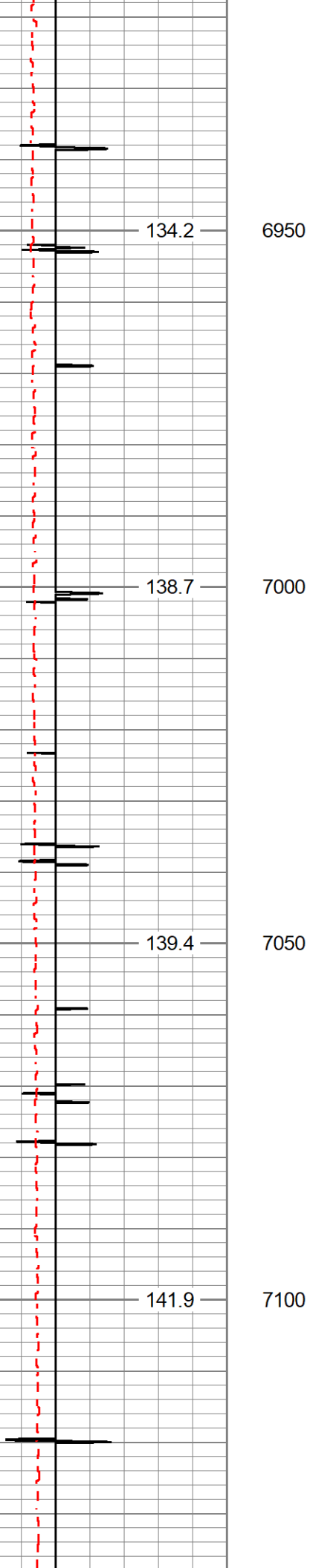
6750

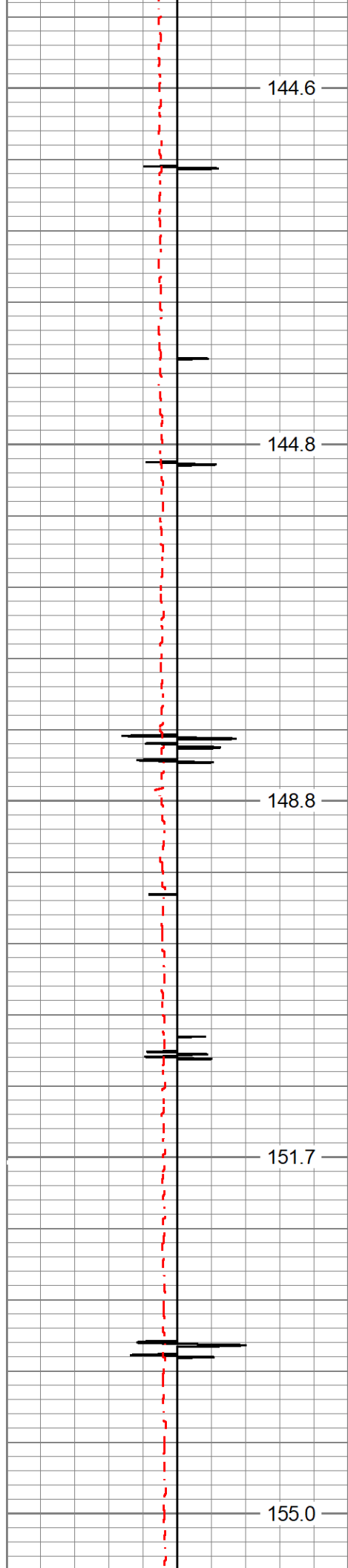
6800

6850

6900







7150

7200

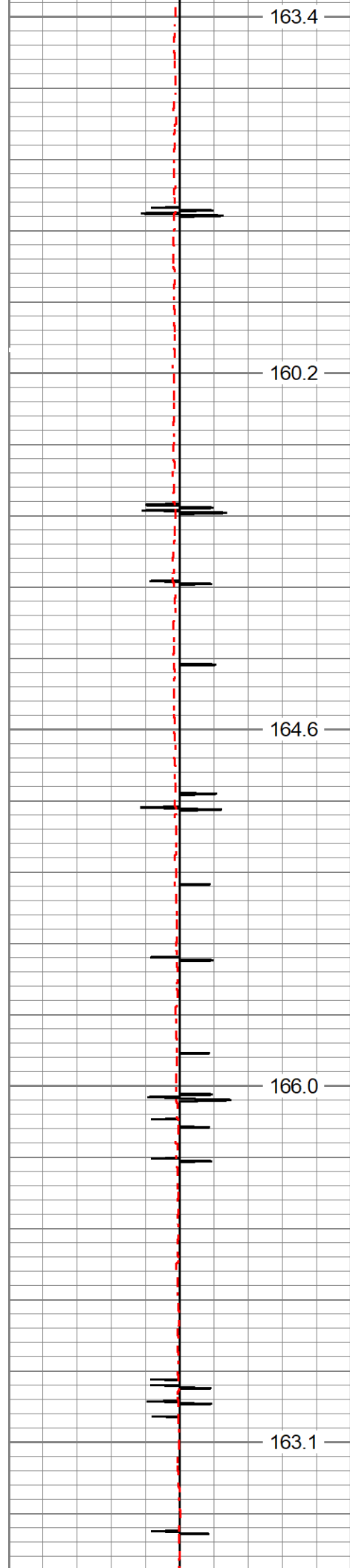
7250

7300

7350







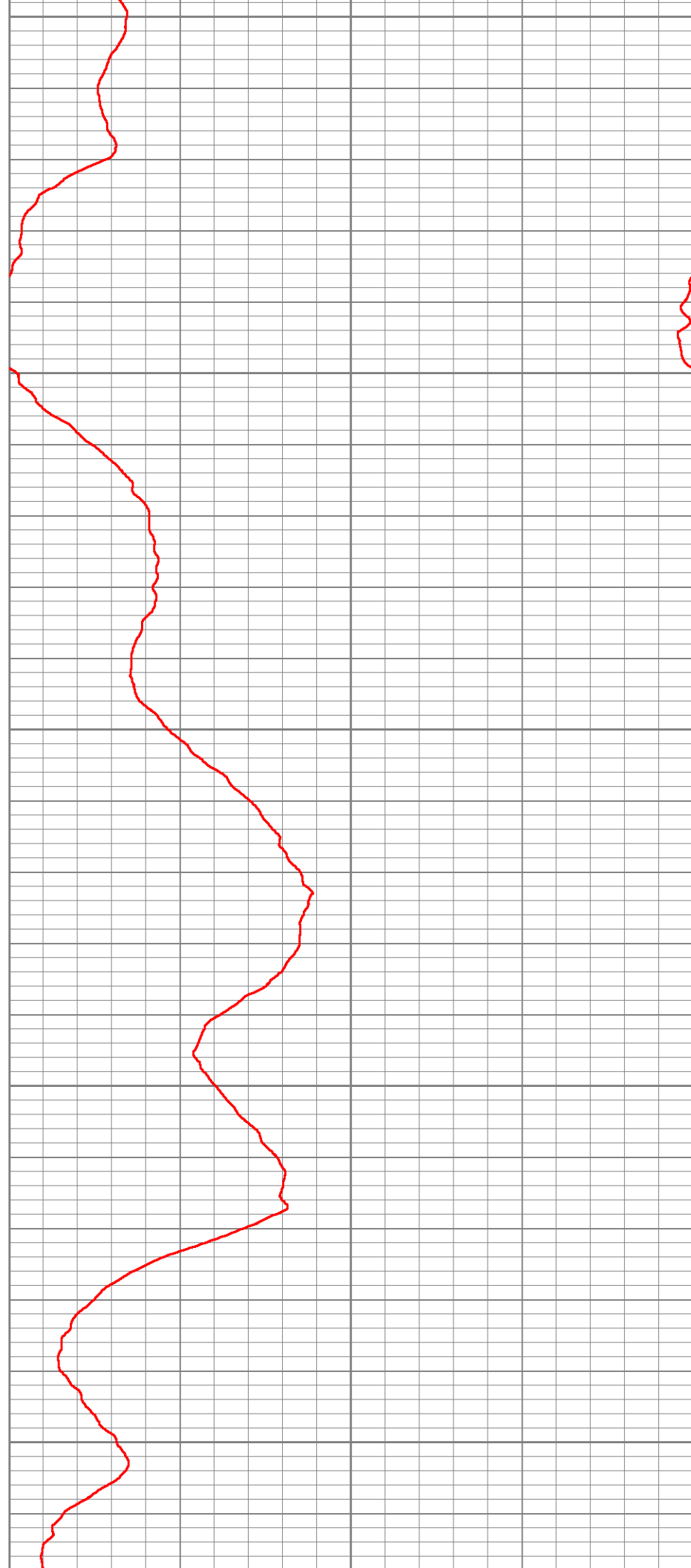
7800

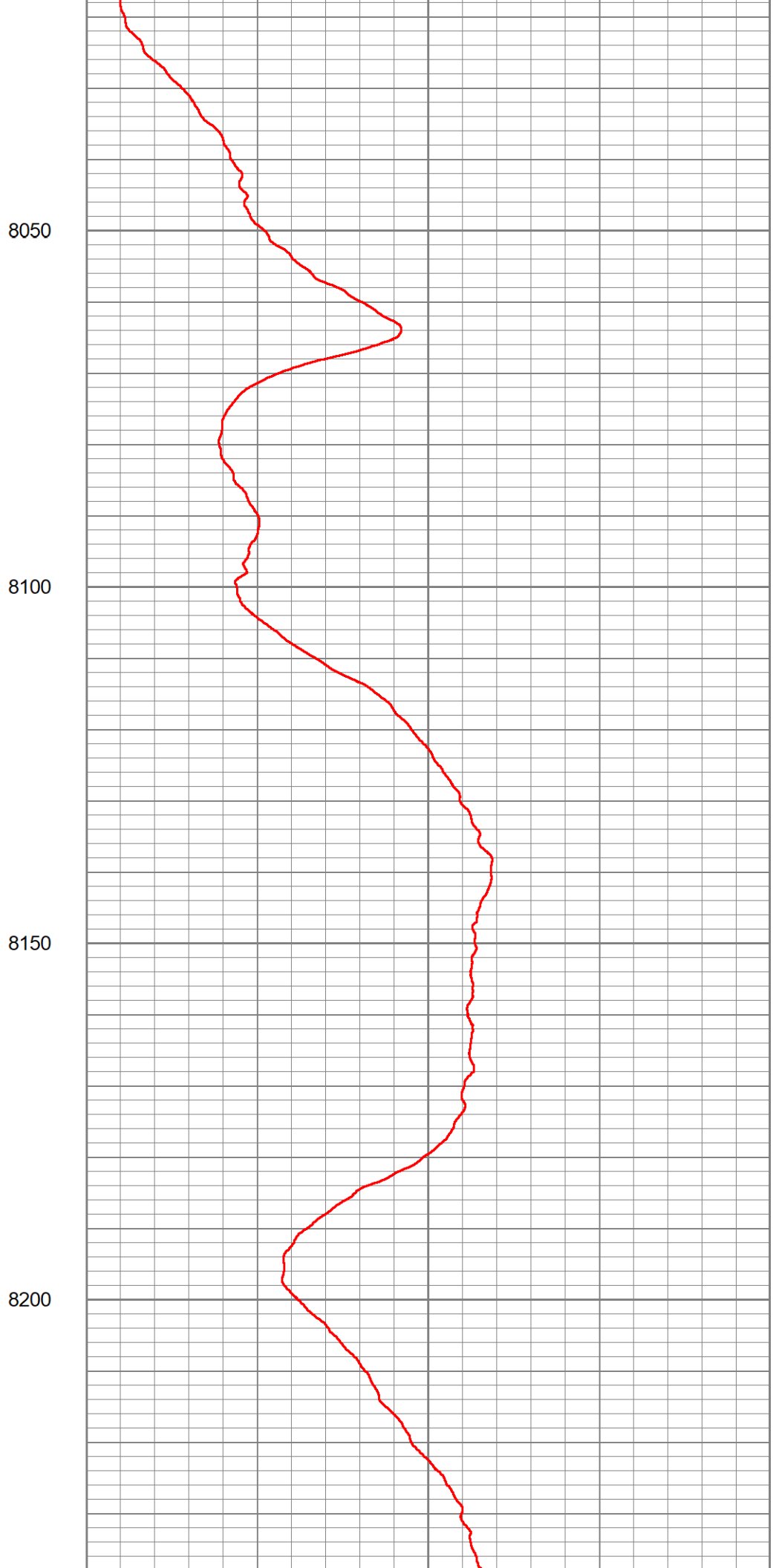
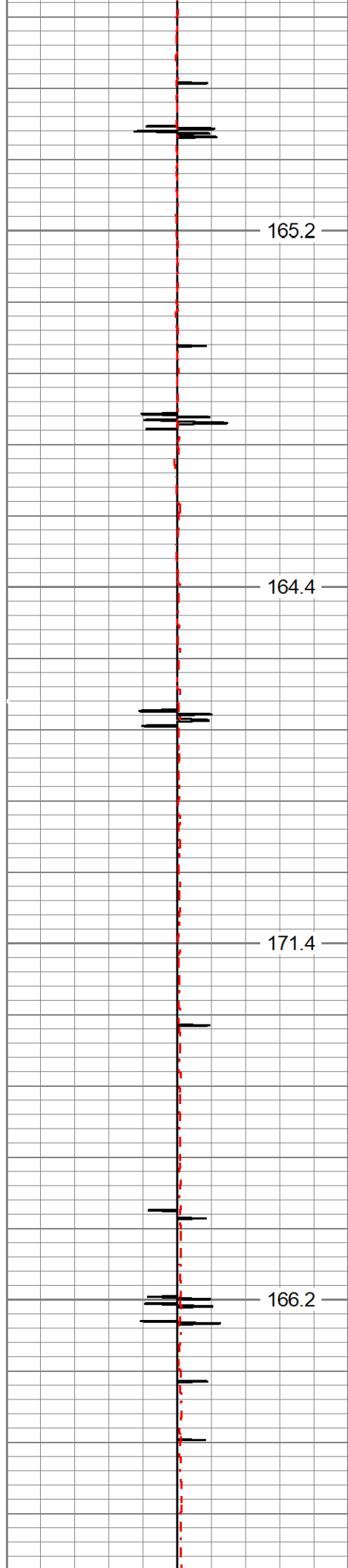
7850

7900

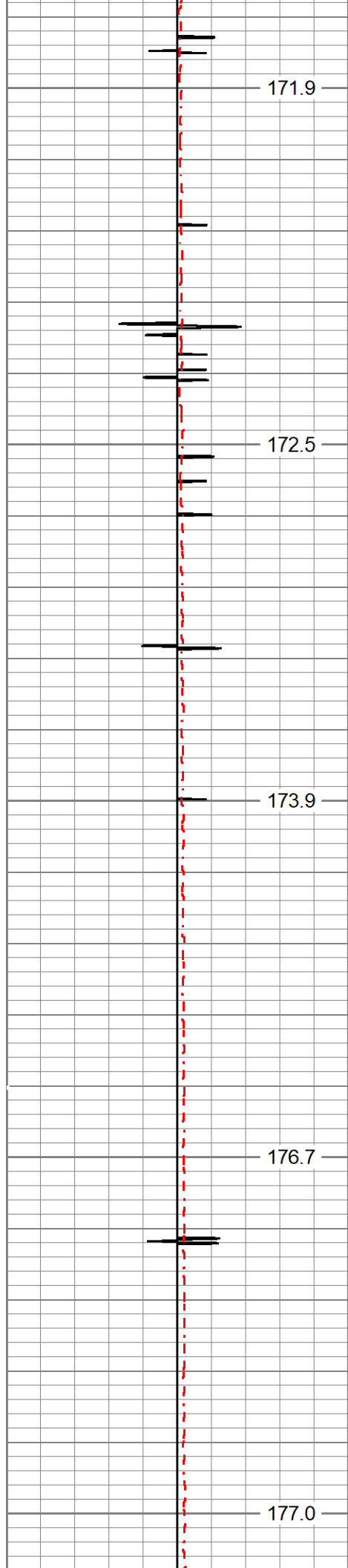
7950

8000









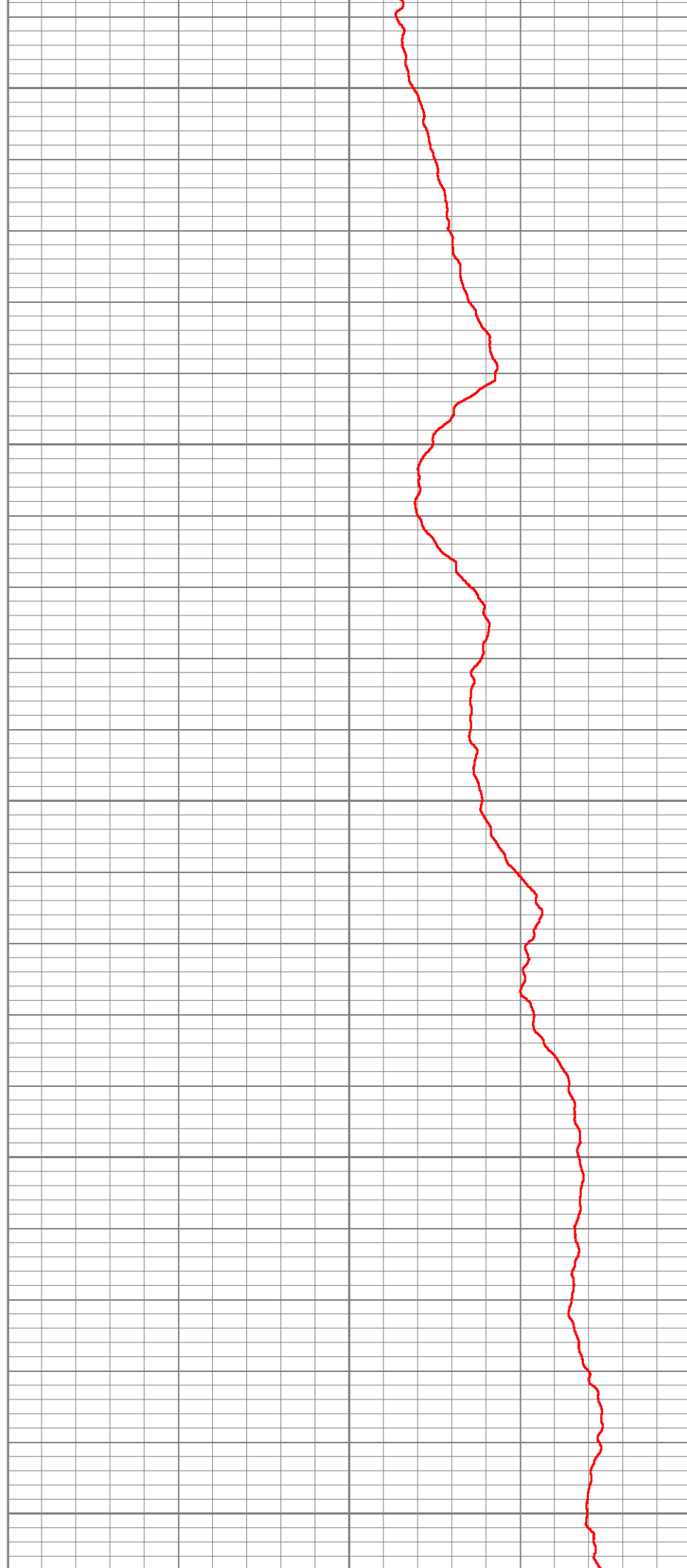
8250

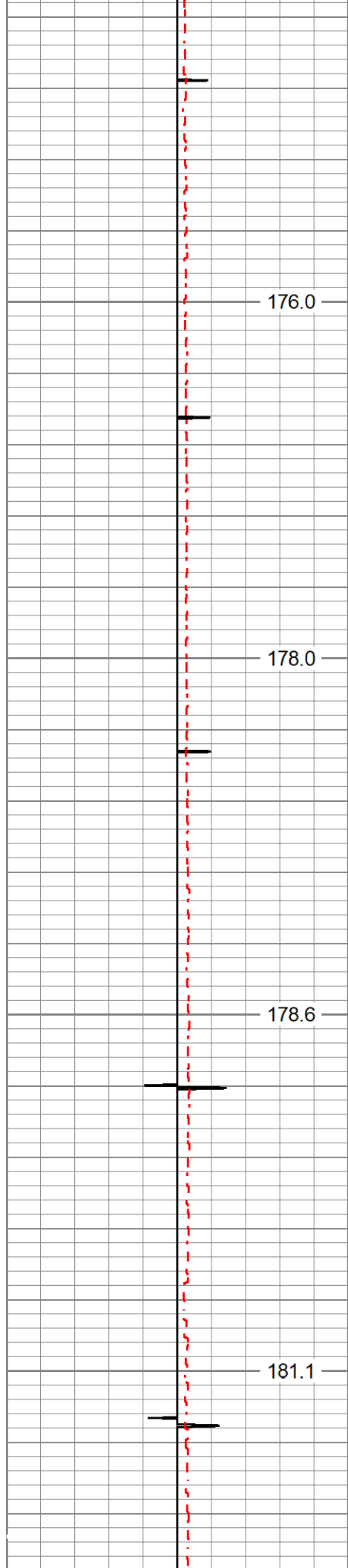
8300

8350

8400

8450



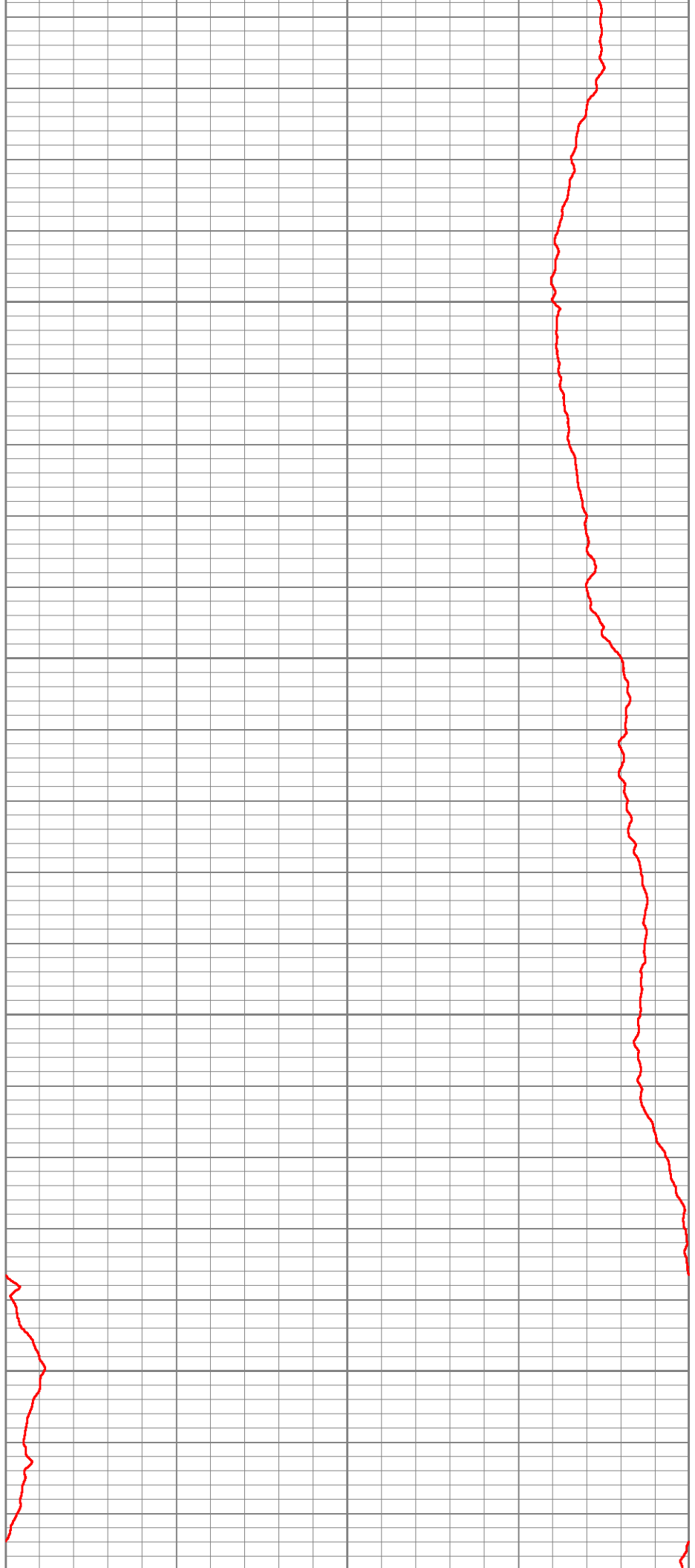


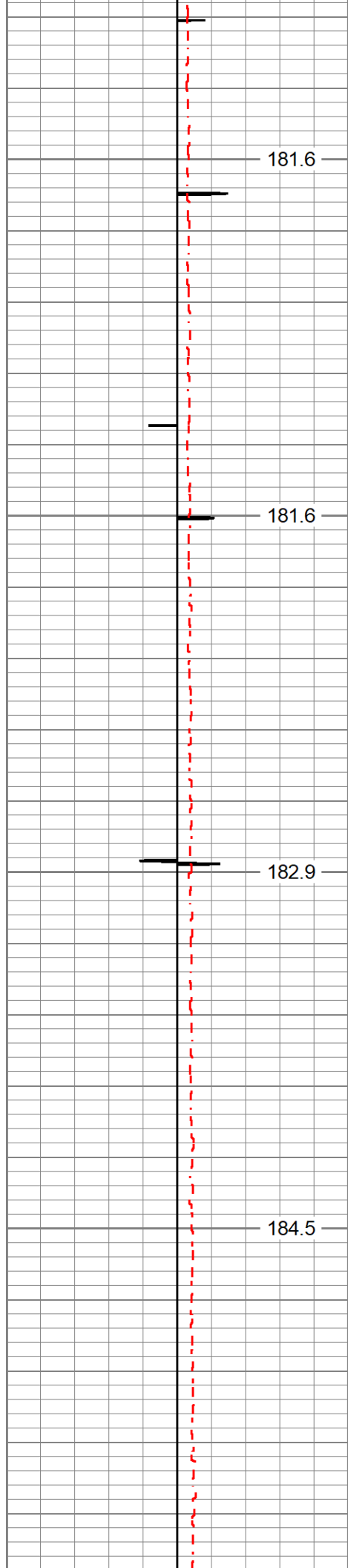
8500

8550

8600

8650



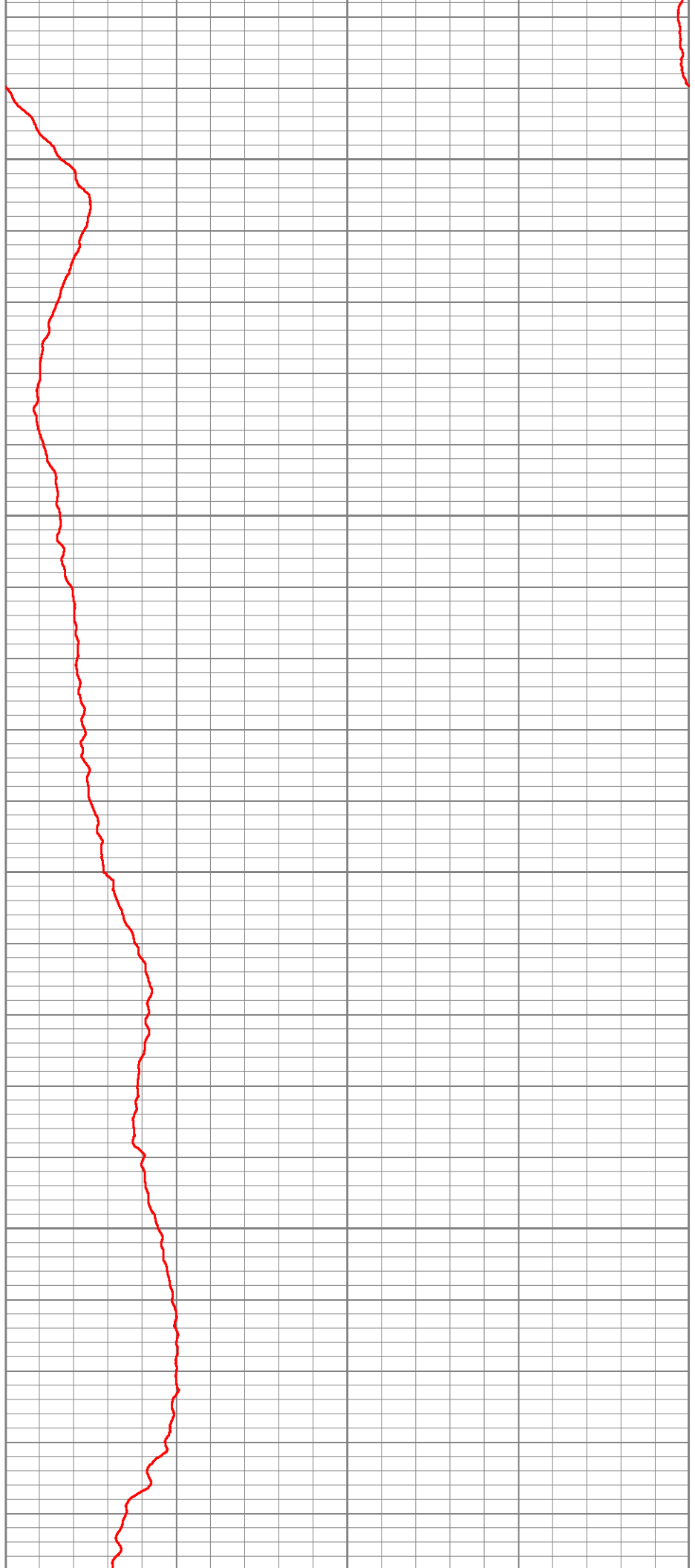


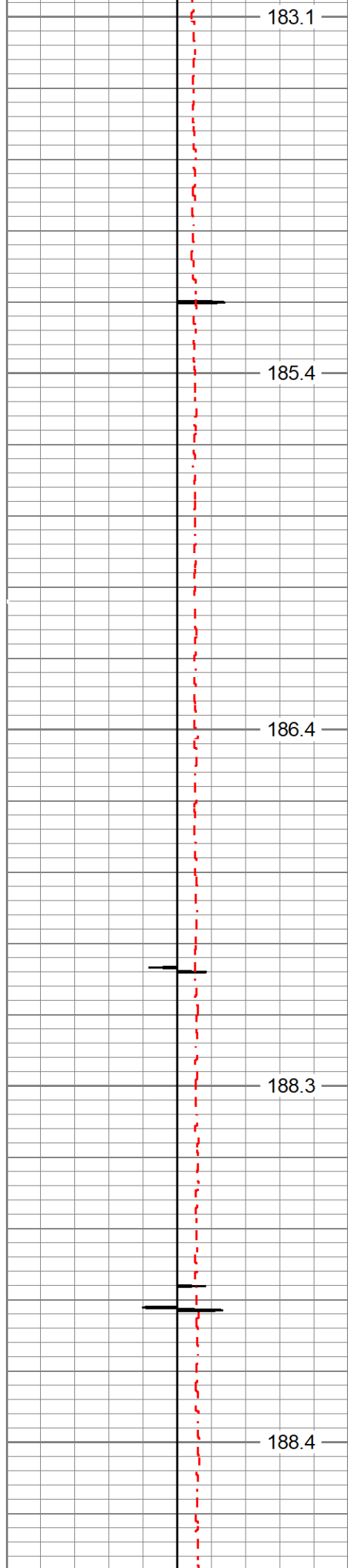
8700

8750

8800

8850





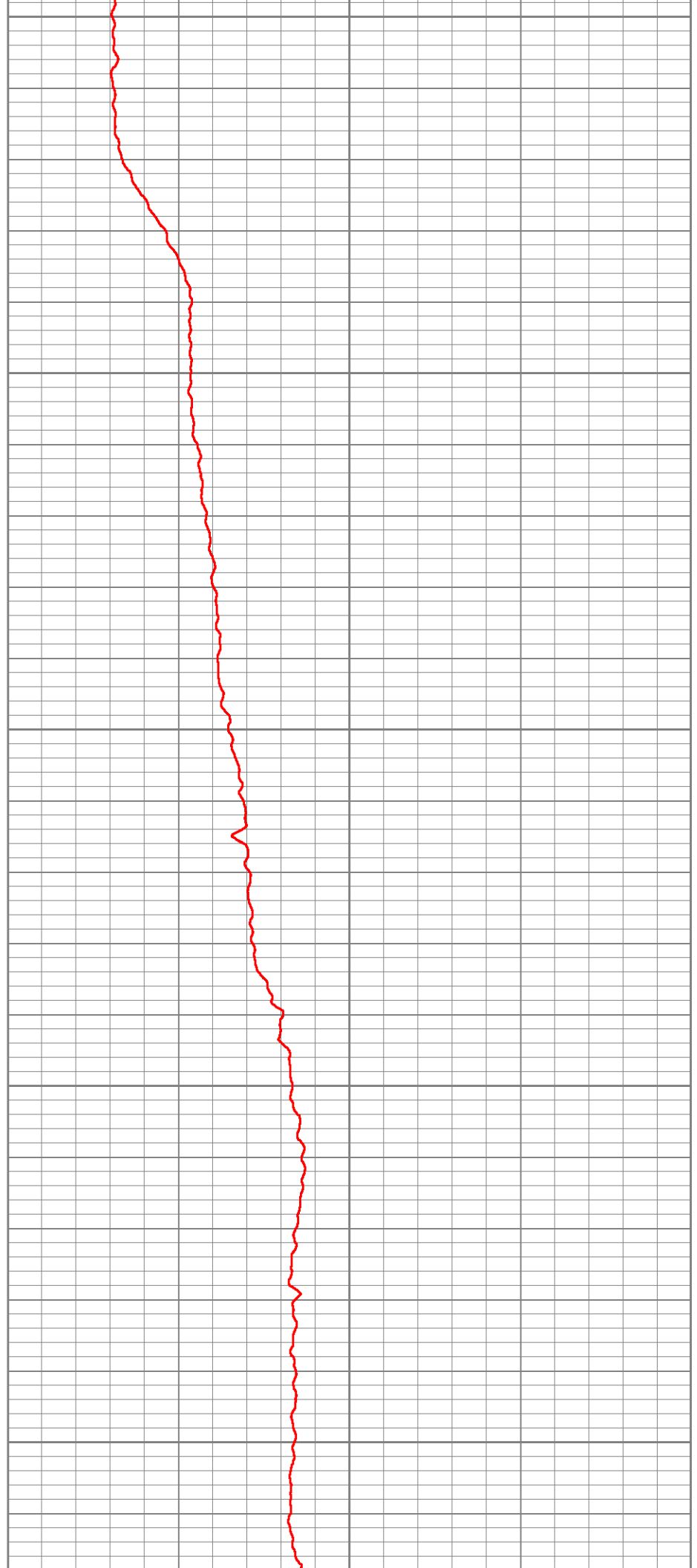
8900

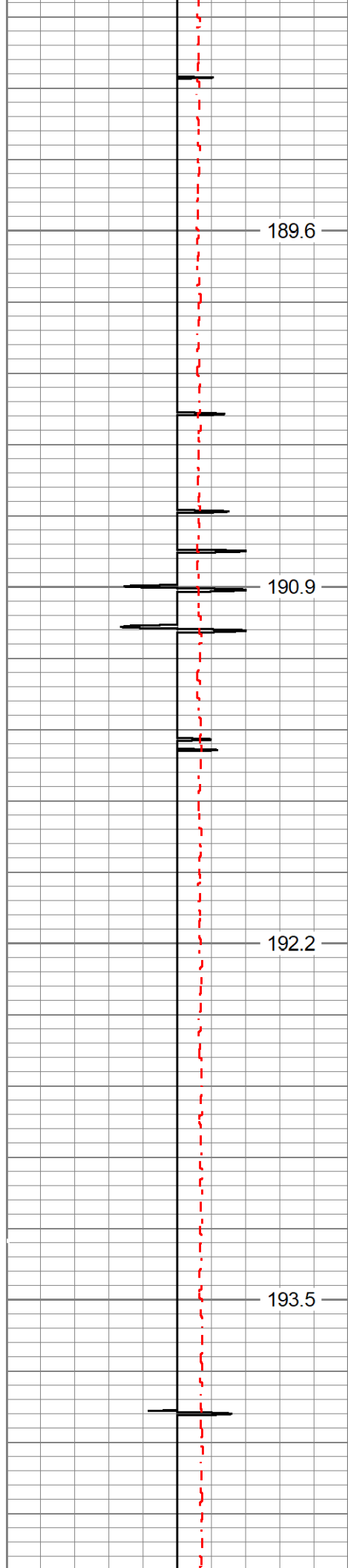
8950

9000

9050

9100



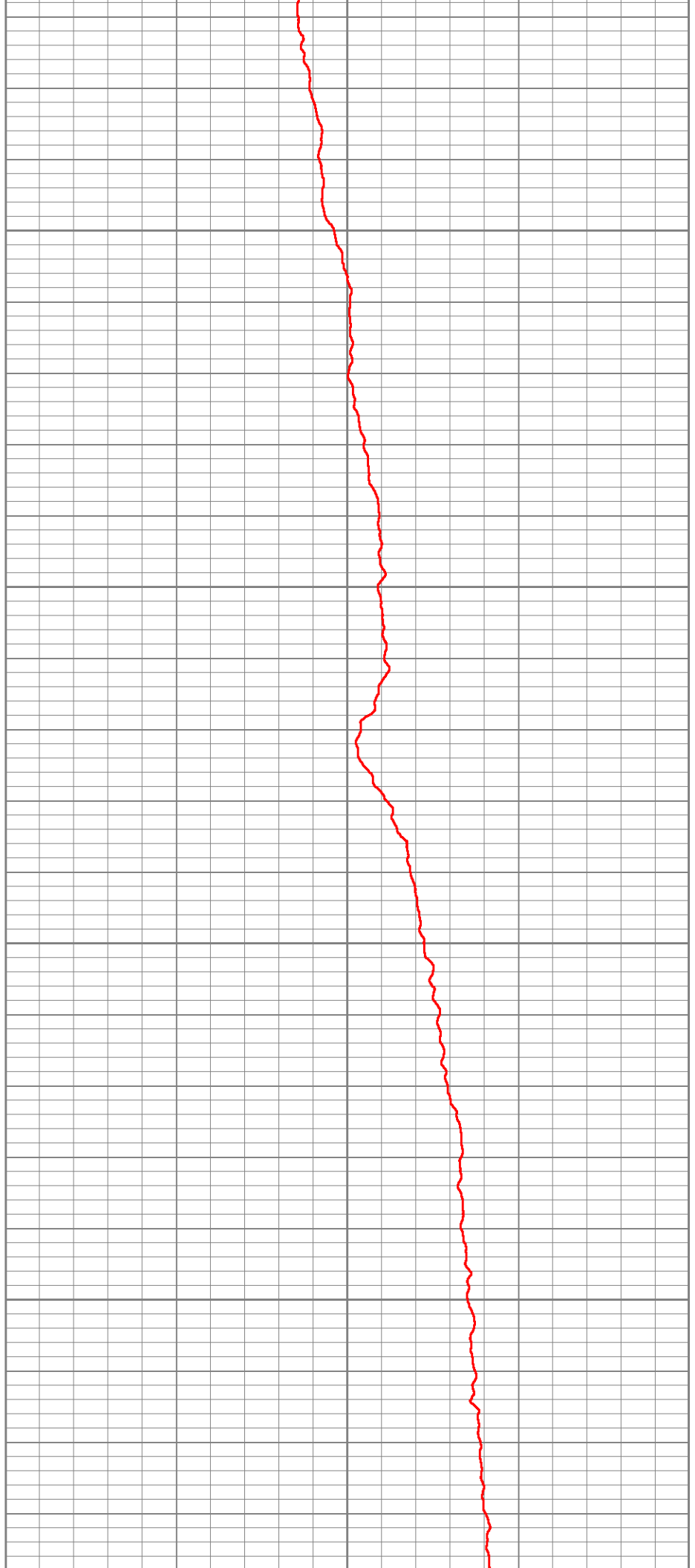


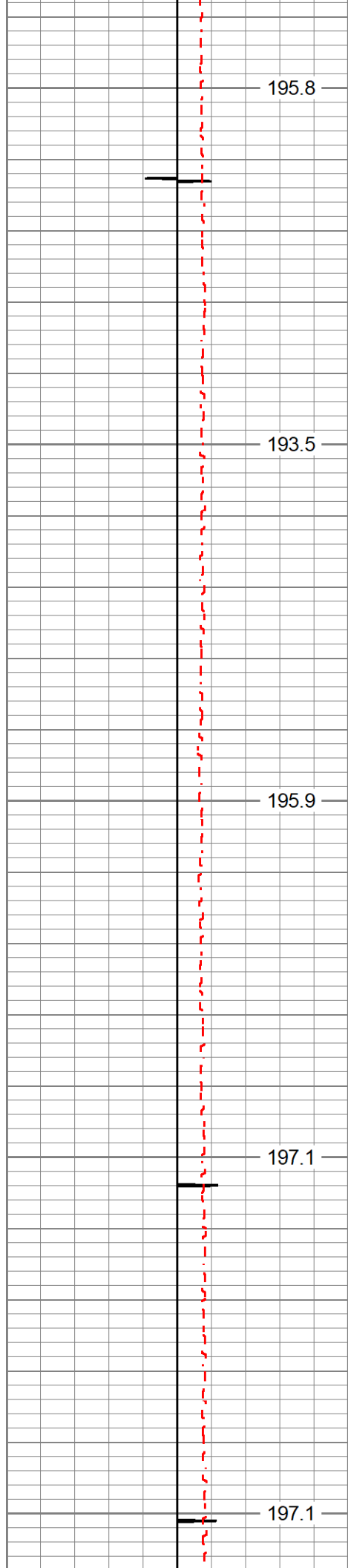
9150

9200

9250

9300





195.8

193.5

195.9

197.1

197.1

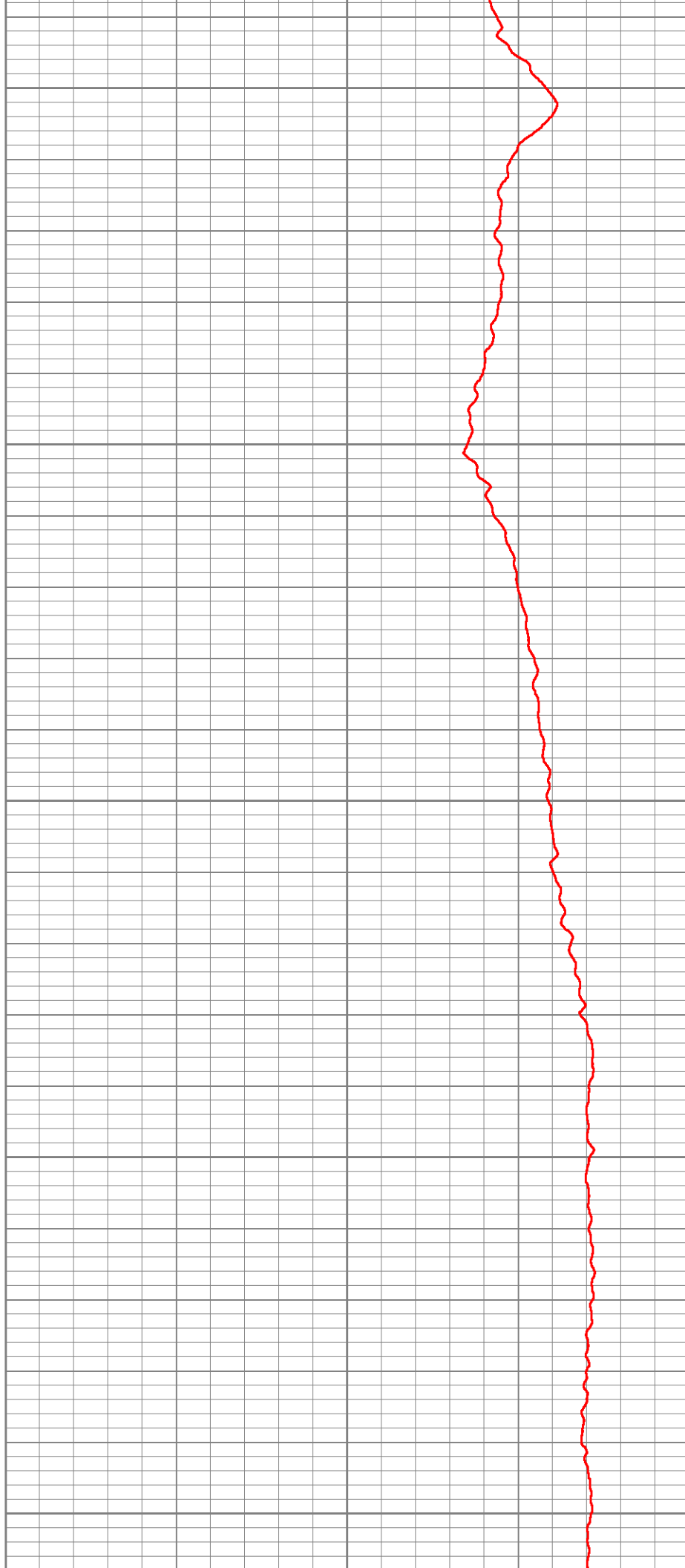
9350

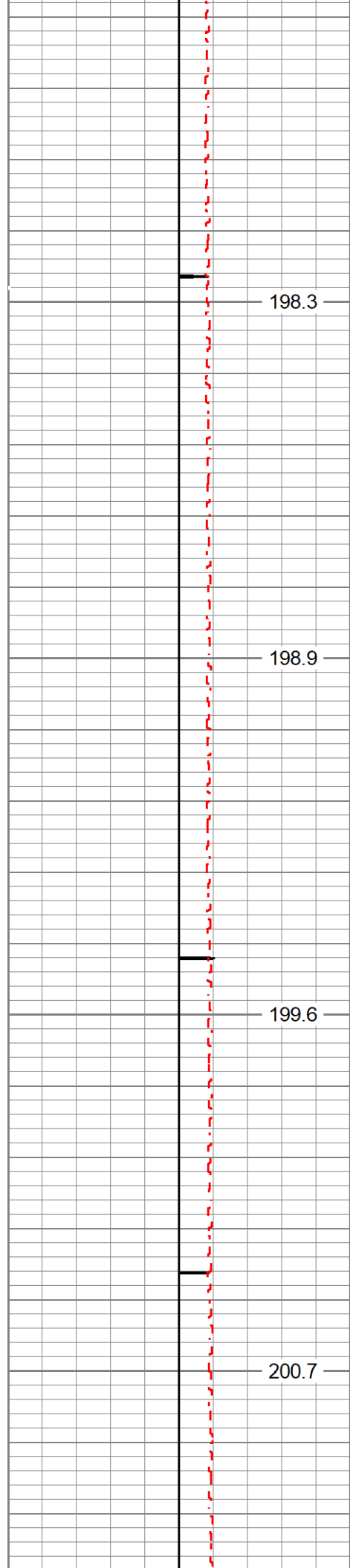
9400

9450

9500

9550



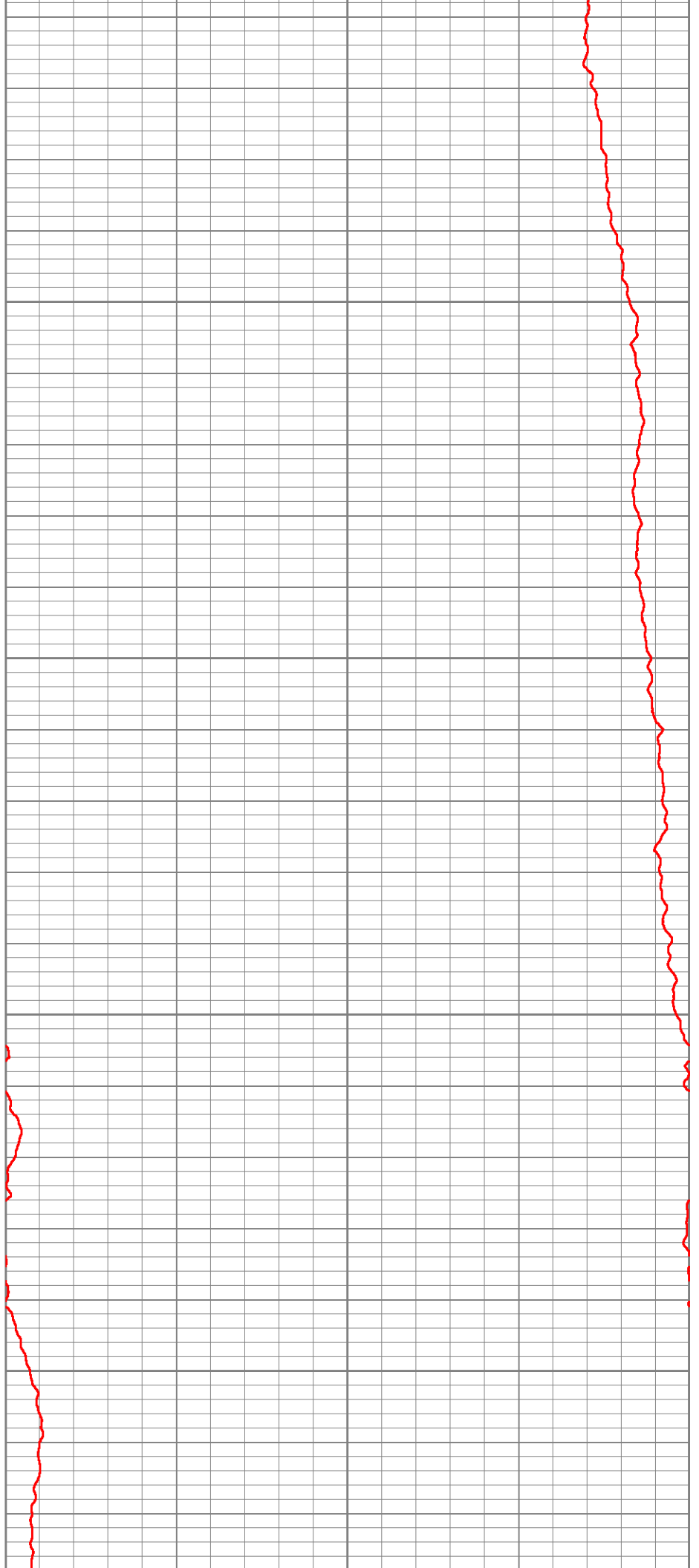


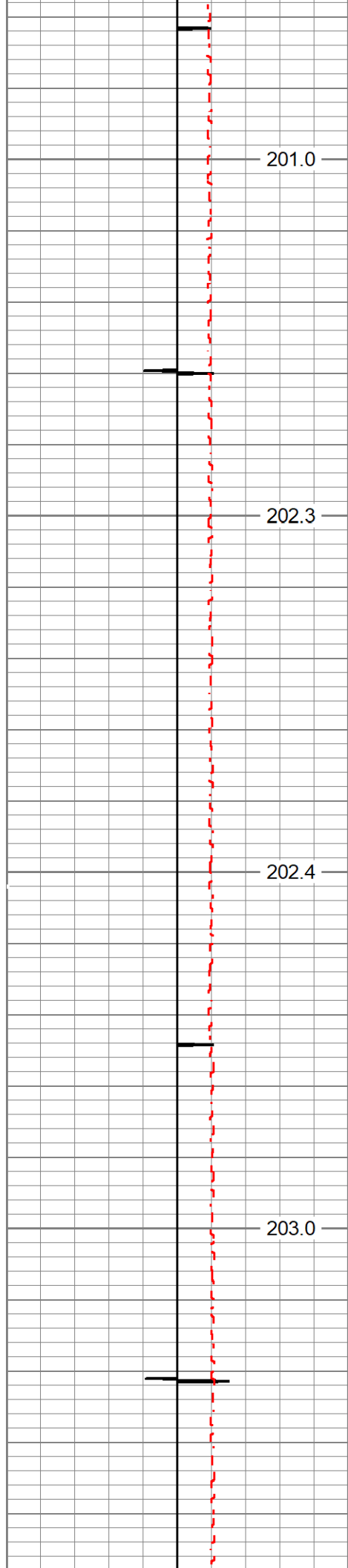
9600

9650

9700

9750



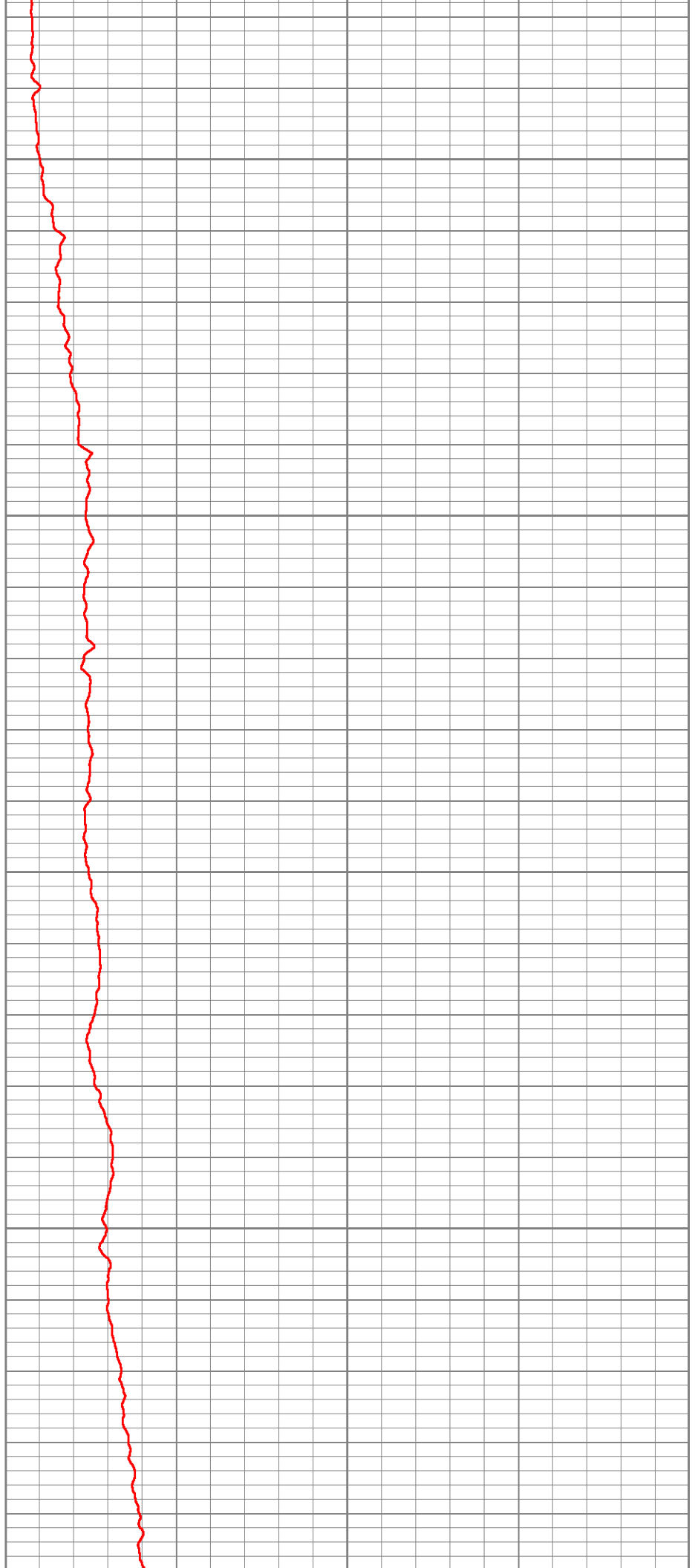


9800

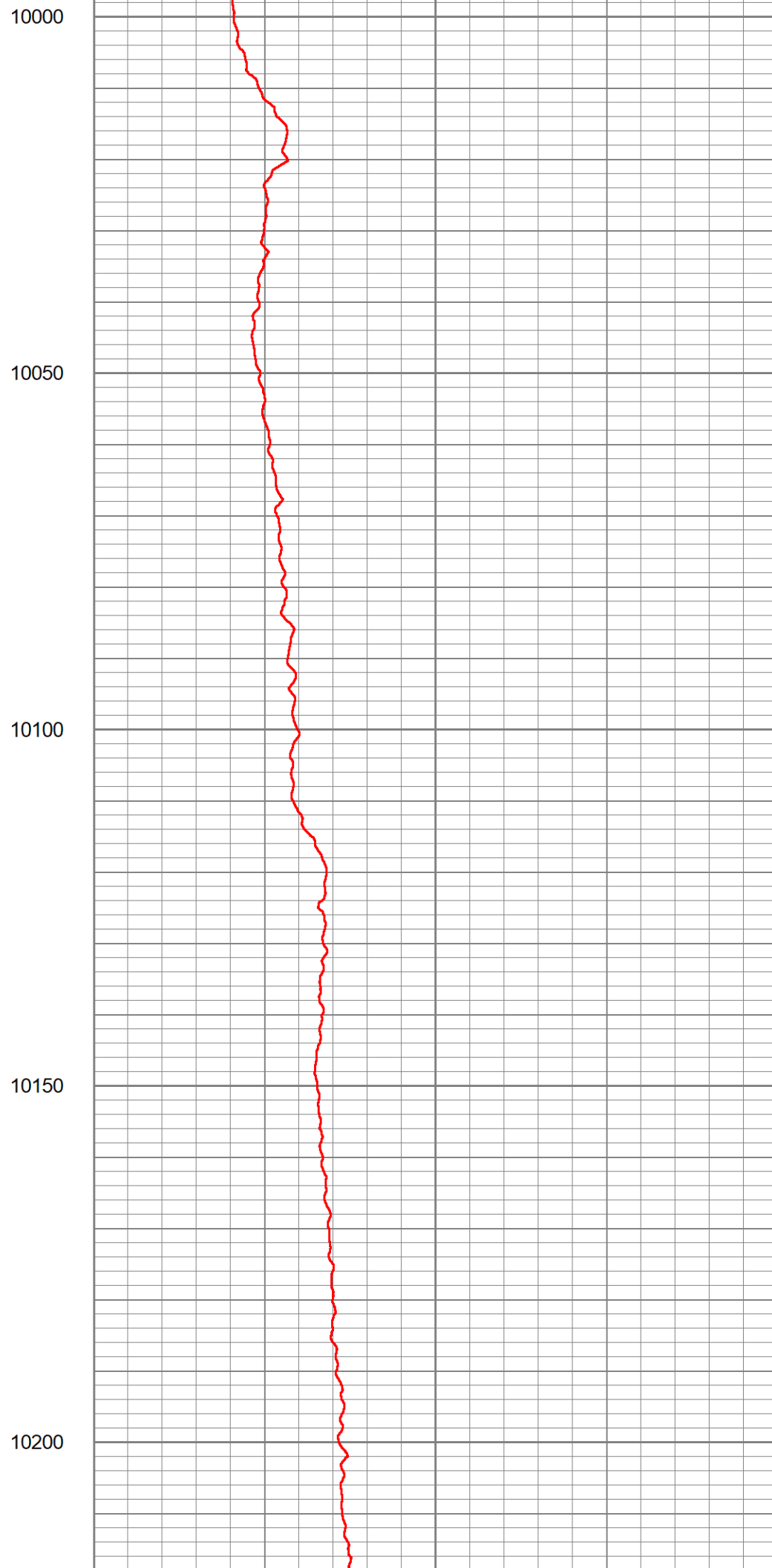
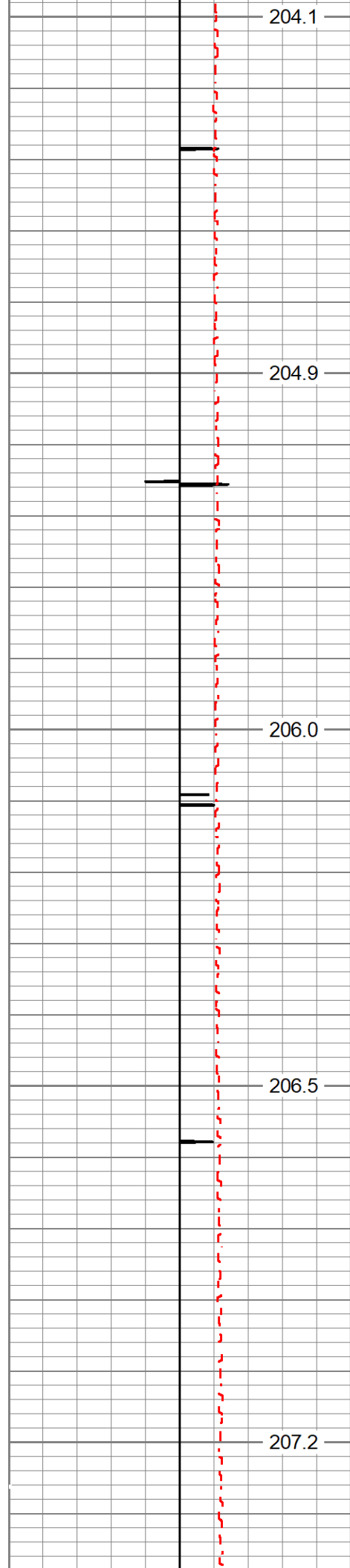
9850

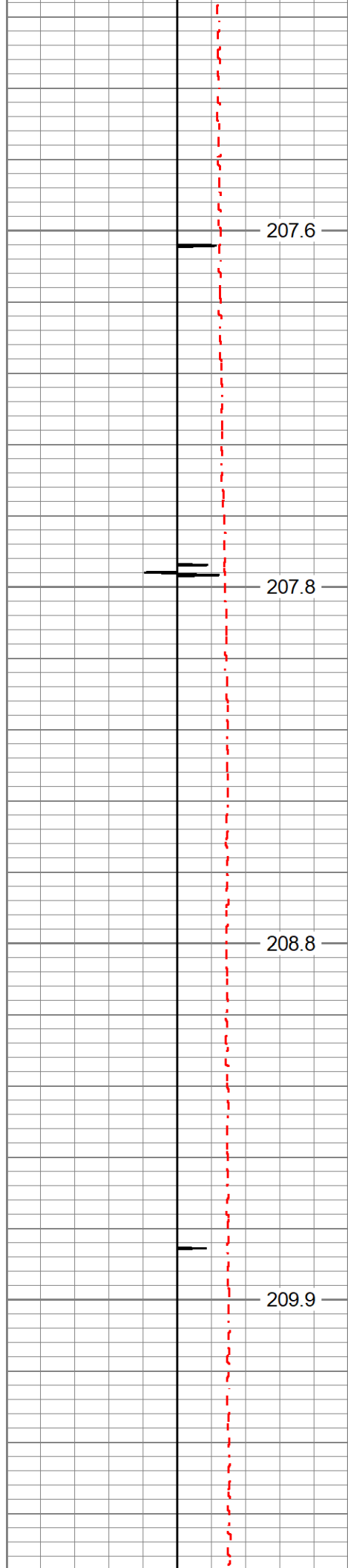
9900

9950







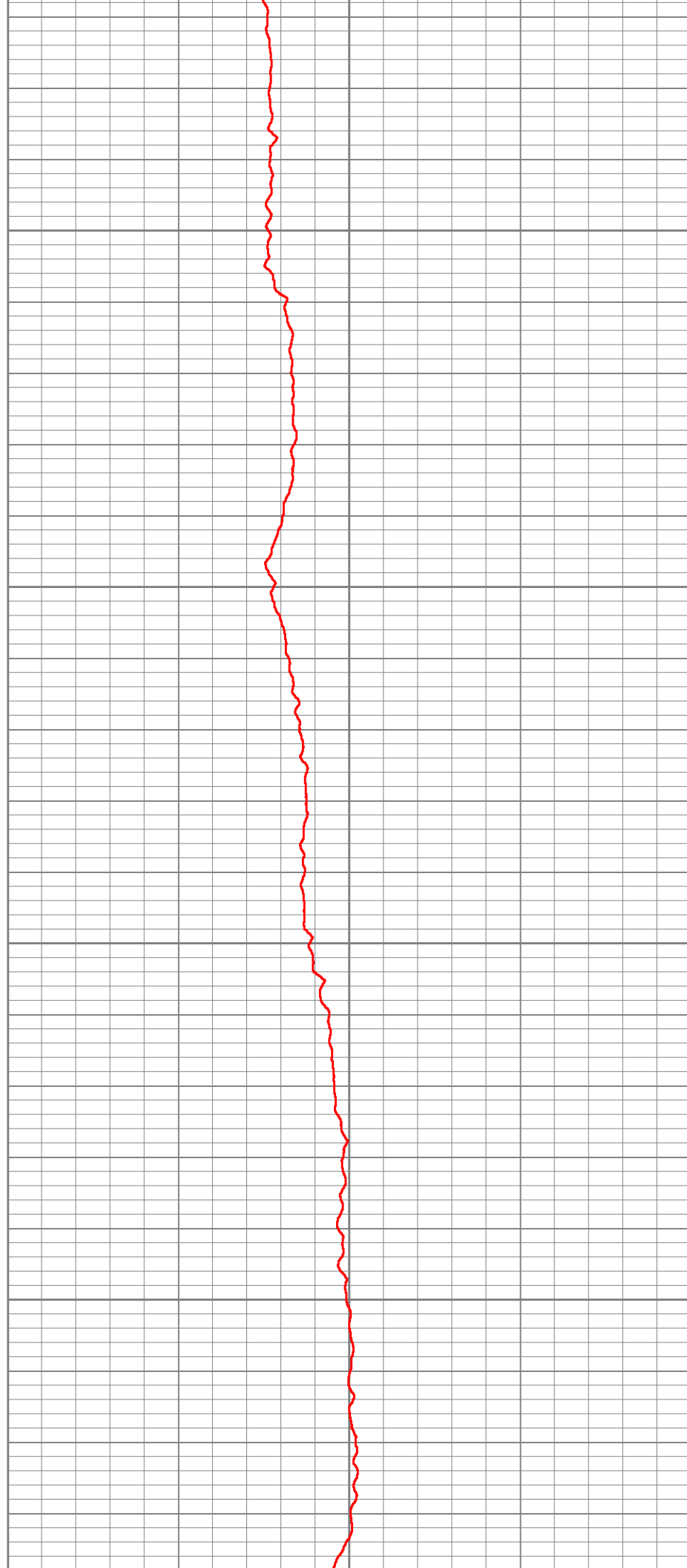


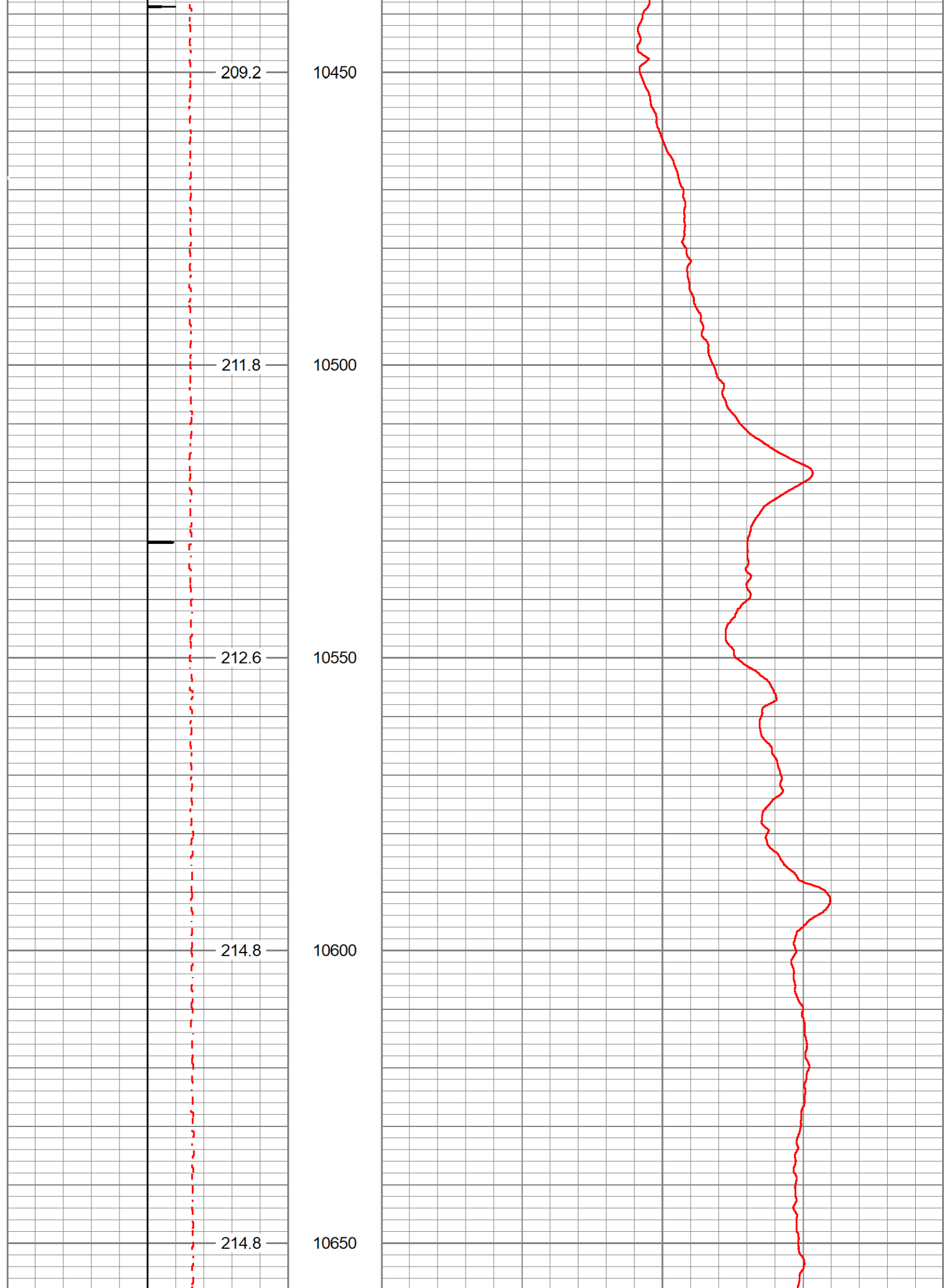
10250

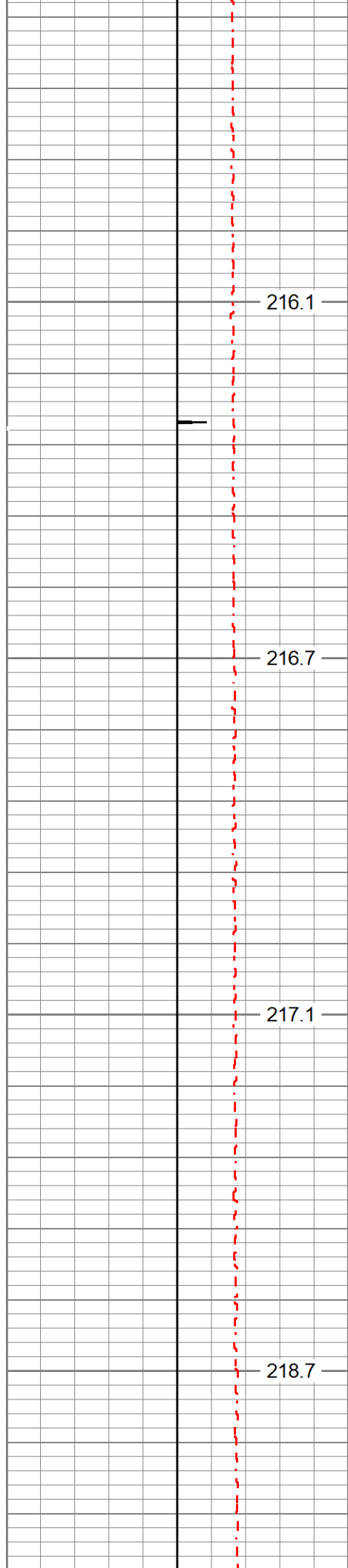
10300

10350

10400







216.1

10700

216.7

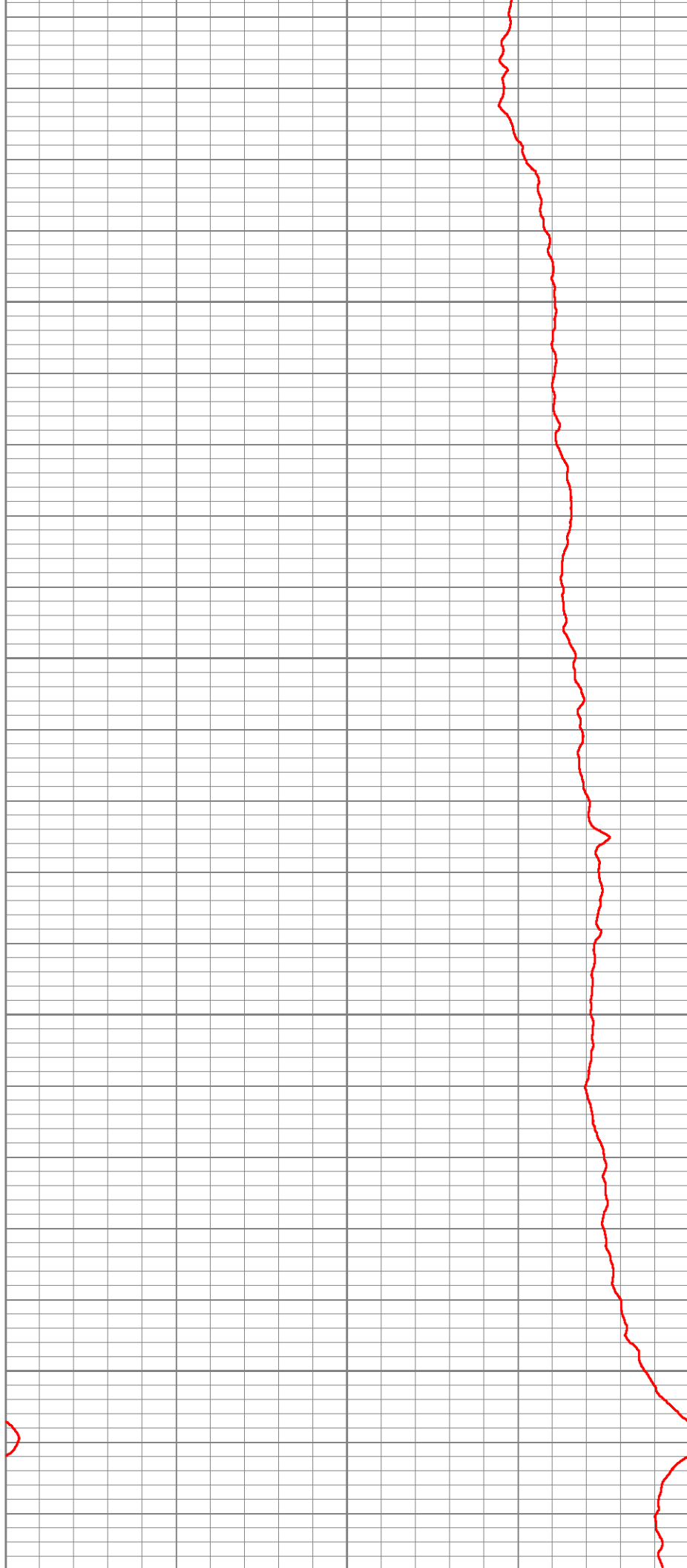
10750

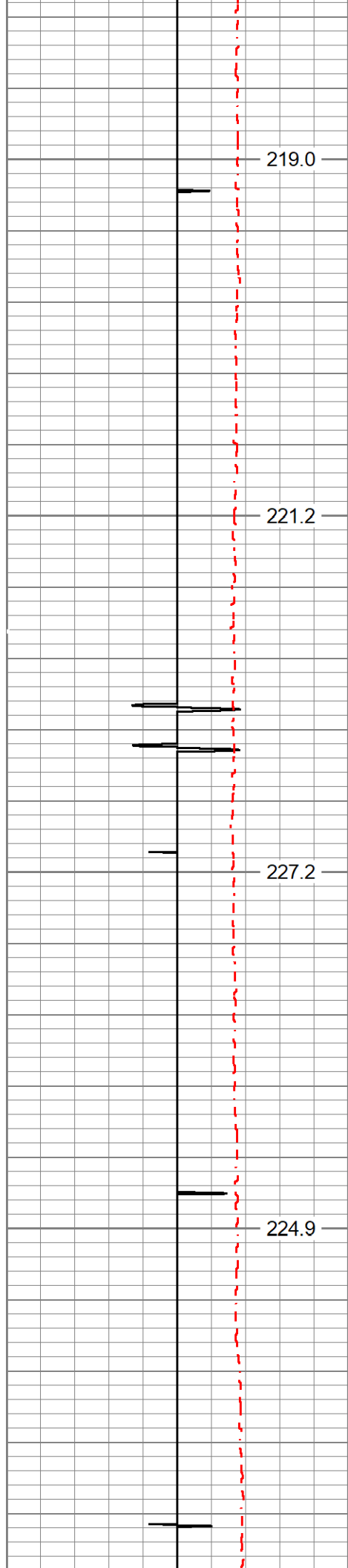
217.1

10800

218.7

10850



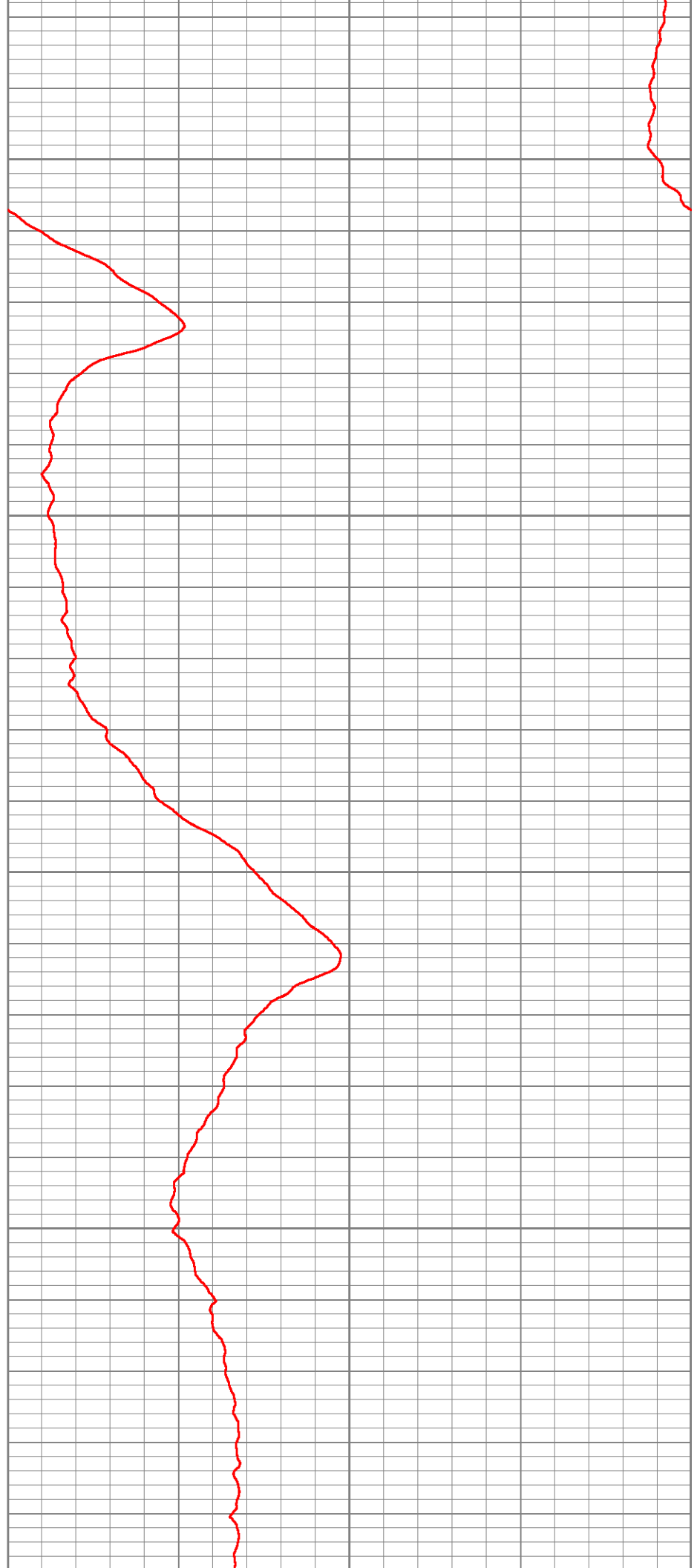


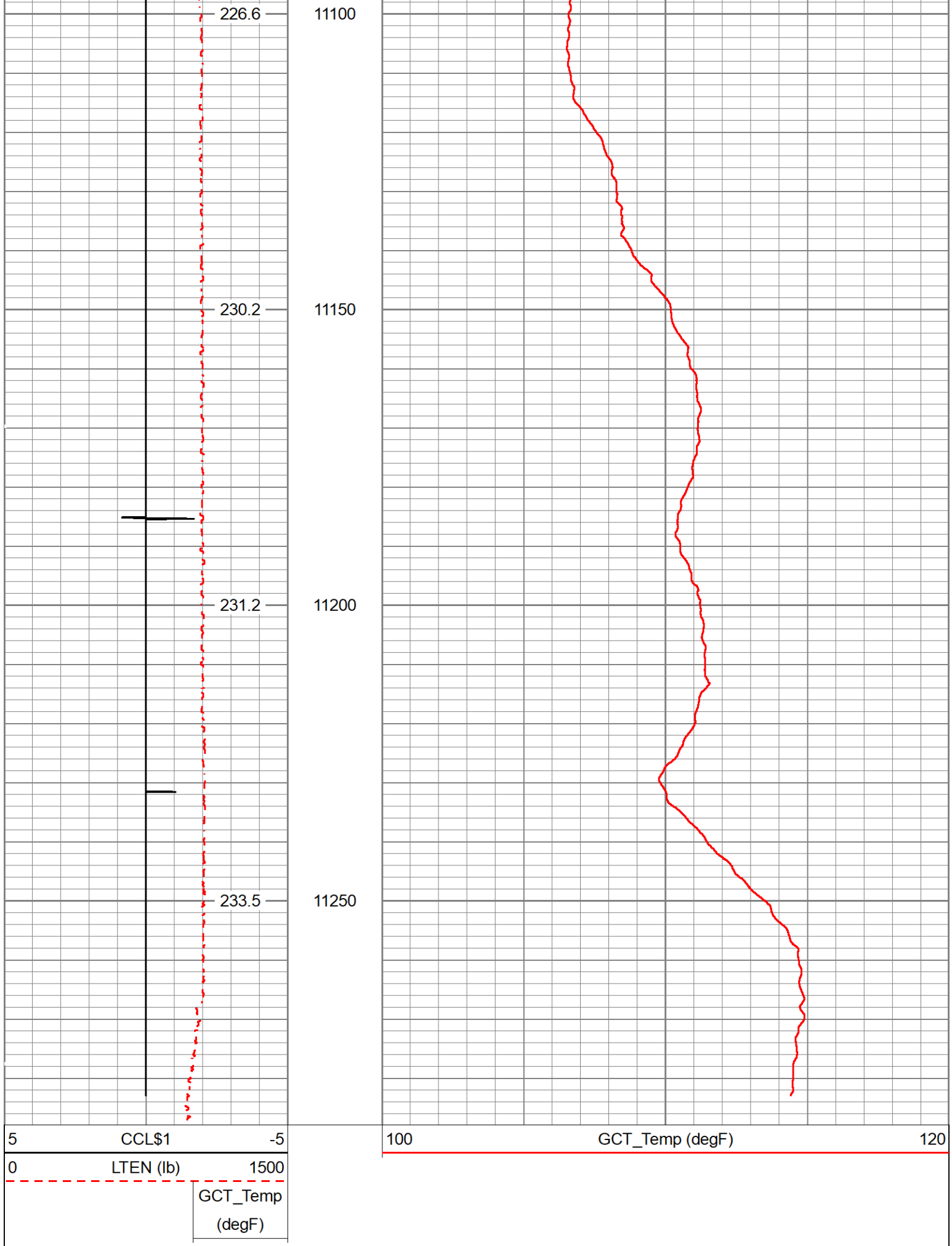
10900

10950

11000

11050





Database File tep\_fed wmc 432-20\_temp\_12-7-2022.db  
 Dataset Pathname main  
 Dataset Creation Wed Dec 07 13:55:04 2022

## Gamma Ray Calibration Report

Serial Number: 110255  
 Tool Model: GCTacc\_6-Pin-Base  
 Performed: Thu Sep 22 15:12:49 2022

Calibrator Value: 165.0 GAPI


Background Reading: 72.3 cps  
 Calibrator Reading: 300.9 cps


Sensitivity: 0.7216 GAPI/cps


## Inclinometer Calibration Report

Performed: Thu Sep 22 15:14:31 2022

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-910.00	1566.00	-1.00	1.00	gee
Y Accelerometer	-989.00	1748.00	-1.00	1.00	gee
Z Accelerometer	1.02	-895.47	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_HV	5.72		GCacc-GCTacc_6-Pin-Base (110255) Probe 2.75" Gamma Ray - CCL w/ Temp and 6 Pin Bottom	5.00	2.75	
CCL\$2	4.72					
CCL\$1	4.72					
GCT_TEMP	3.84					
GR	3.04					
GCT_IntTemp	2.00					
GCT_ACCZ	0.33					
GCT_ACCY	0.33					
CCT_ACCY	0.33					

GCT_ACCX	0.33		Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00
GCT_FMWR	0.00					
Error_Ct	0.00					
Dataset: tep_fed wmc 432-20_temp_12-7-2022.db: field/well/run1/main Total length: 5.33 ft Total weight: 1.00 lb O.D.: 2.75 in						

Company	TEP Rocky Mountain LLC				
Well	Federal WMC 432-20				
Field	Rulison				
County	Garfield	State	Colorado		
		Temperature Casing Collar Log			