

# TEMPERATURE LOG

## CCL

Company **WPX ENERGY**

Well RU 642 - 8

Field  
RULISON

County **GARFIELD** State **COLORADO**

Location:	AP1 #:	05 - 045 - 22755	Other Services
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Other Services

SEC	TWP	RGE
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Elevation

Permanent Datum  
G.L.

Elevation

Drilling Measured From K.B.

G.L.

Date	11-18-2015
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Run Number	ONE
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Depth Driller	10923
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### Present Depth Driller

Depth Logger

Bottom Logged Interval

Top Log Interval

Fluid Level

Type Fluid

Max. Recorded Temp.

Estimated Cement Top

Equipment Number

Location

Recorded By

Witnessed By

]

Borehole Record  
Bit From

To



Casing Record	From	Weight
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To

<<< 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.

## WARRIOR 7.0 SOFTWARE - Comments

**NOTE: LOG WAS DEPTH CORRELATED USING KB OF 24"**

**SHORT JOINT: 7316' to 7337'**

MAIN PASS 5" = 100'  
CSG PSI = STATIC

## Calibration Report

Database File: 111815 wpxenergy ru 642 8.db

Dataset Pathname: main

Dataset Creation: Wed Nov 18 17:25:29 2015 by Log SCH 120430

# Temperature Calibration Report

Serial Number: 16-53  
 Tool Model: APPLIED  
 Performed: Tue Jan 31 10:43:33 2012

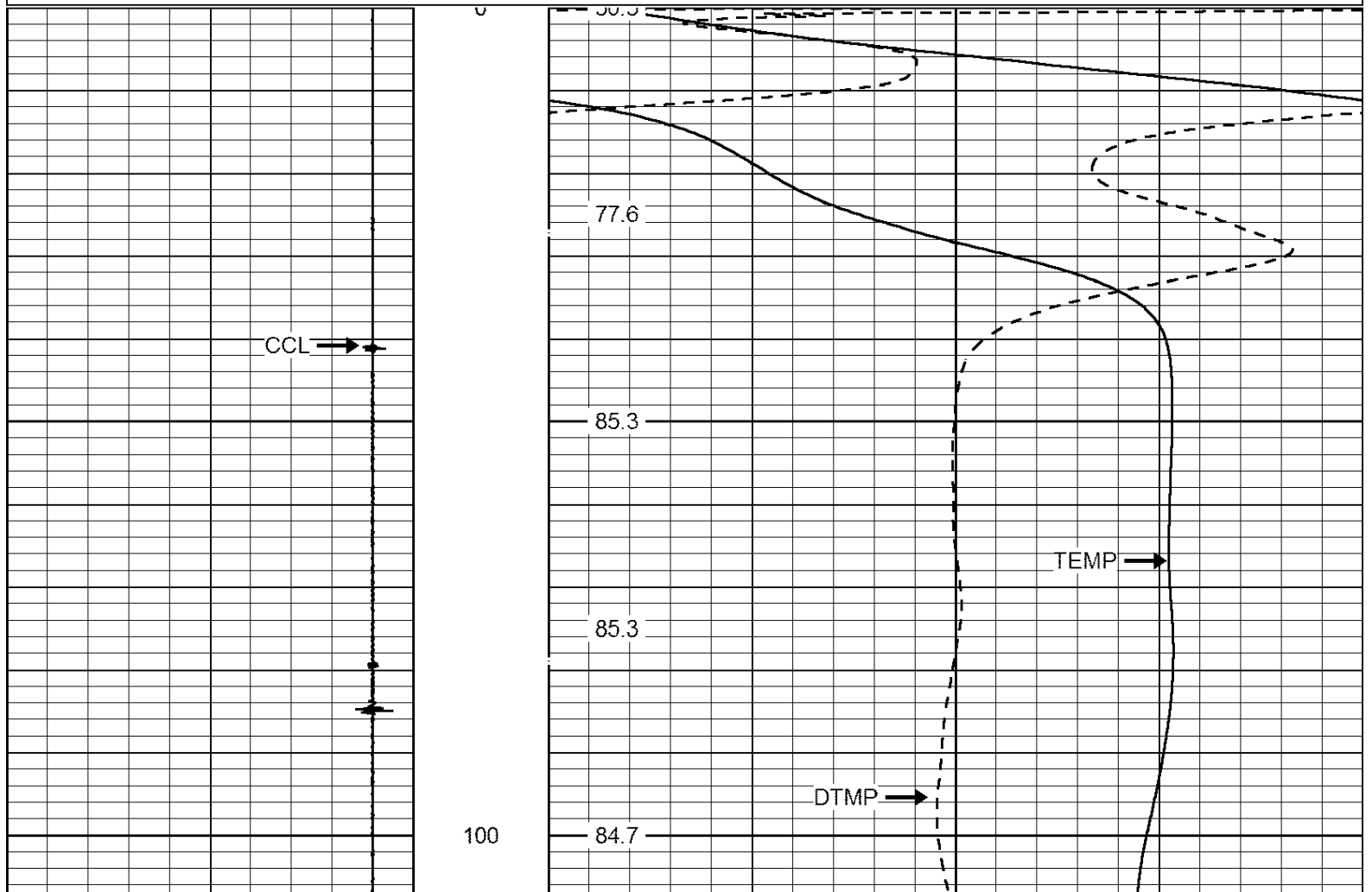
	Reference	Reading
Low Reference:	0.00 degF	0.00 cps
High Reference:	1.00 degF	1.00 cps
Gain:	0.10	
Offset:	0.00	
Delta Spacing	2	

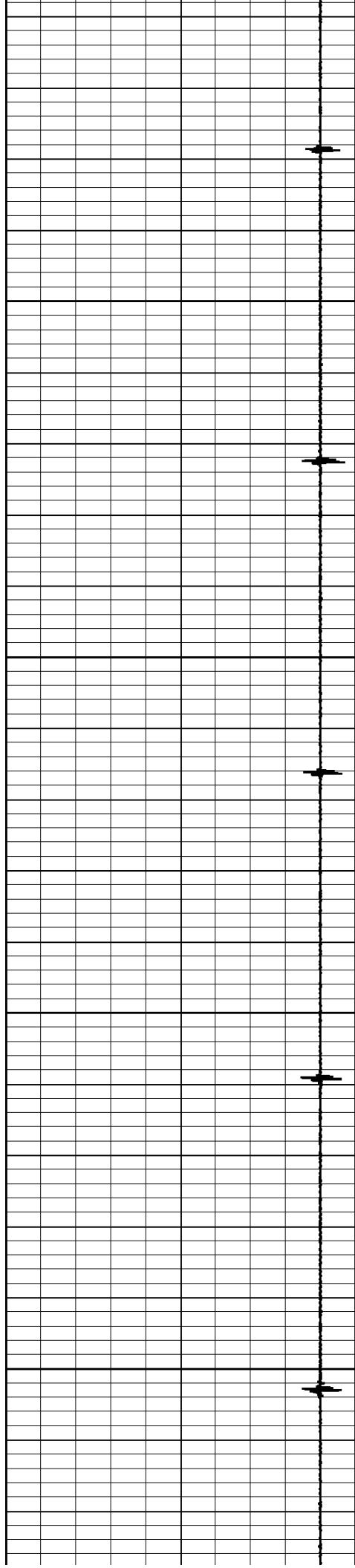


## MAIN PASS

Database File: 111815\_wpxenergy\_ru\_642\_8.db  
 Dataset Pathname: main  
 Presentation Format: rmws\_temp  
 Dataset Creation: Wed Nov 18 17:25:29 2015 by Log SCH 120430  
 Charted by: Depth in Feet scaled 1:240

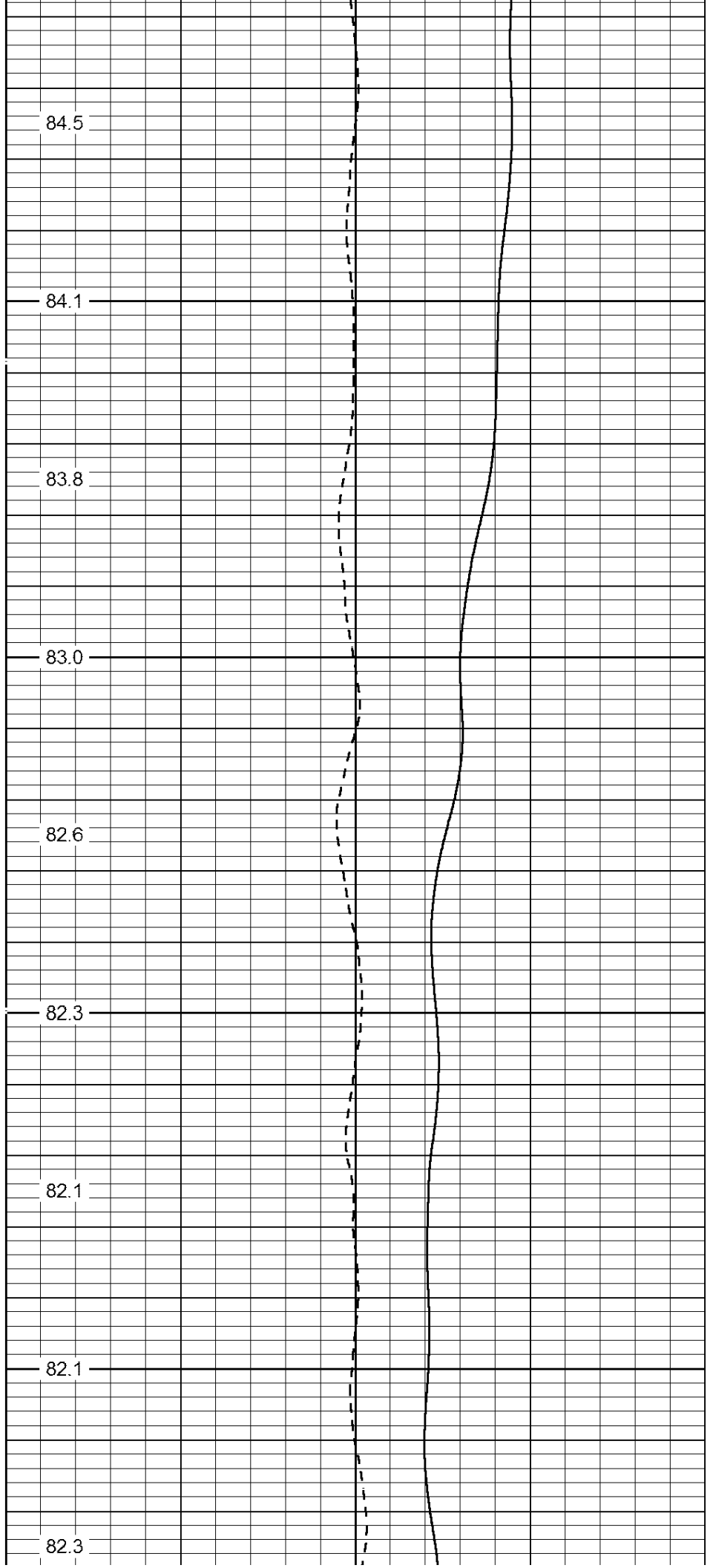
-27	CCL	3	LTEN	70	TEMP (degF)	90
		0	(lb) 500	-1	DTMP (degF)	1
				TEMP		
				(degF)		

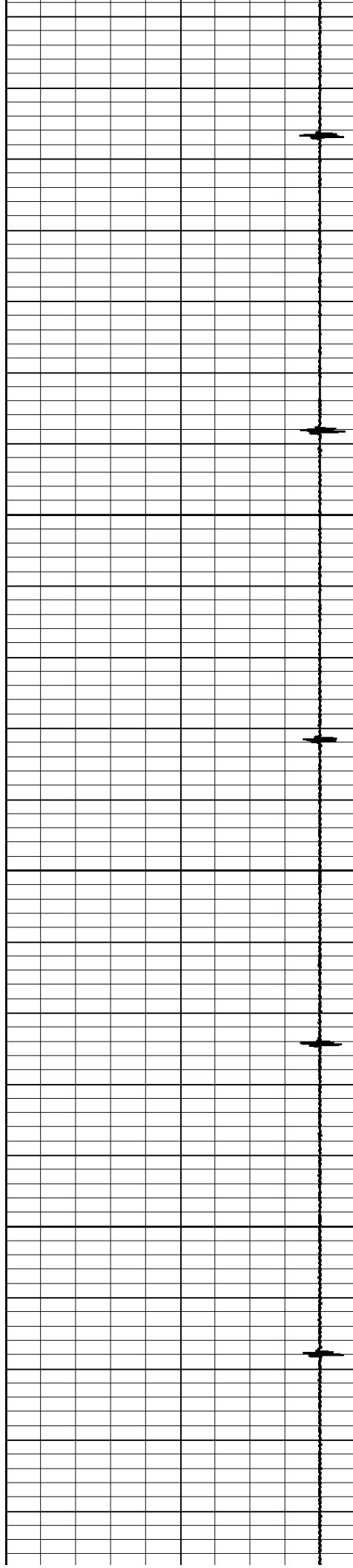




200

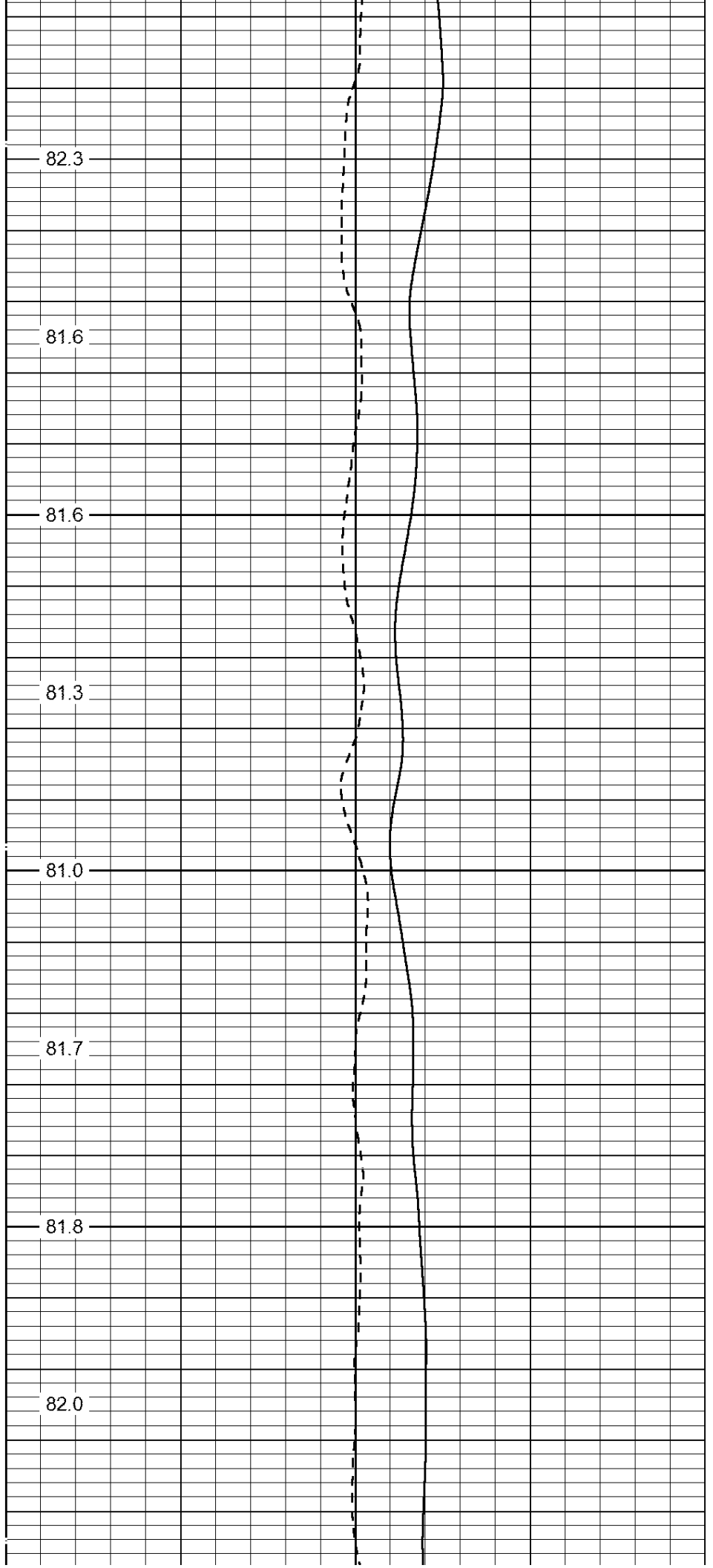
300

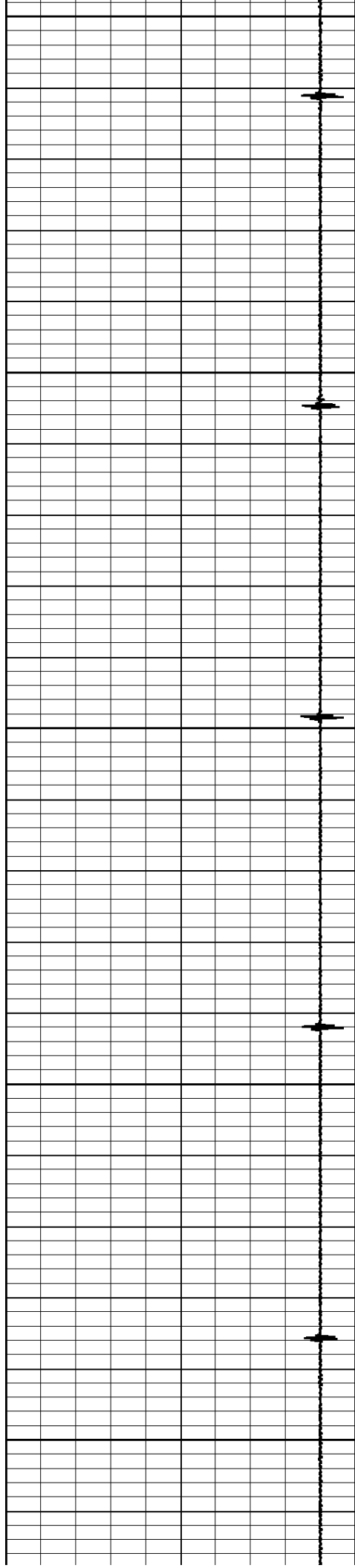




400

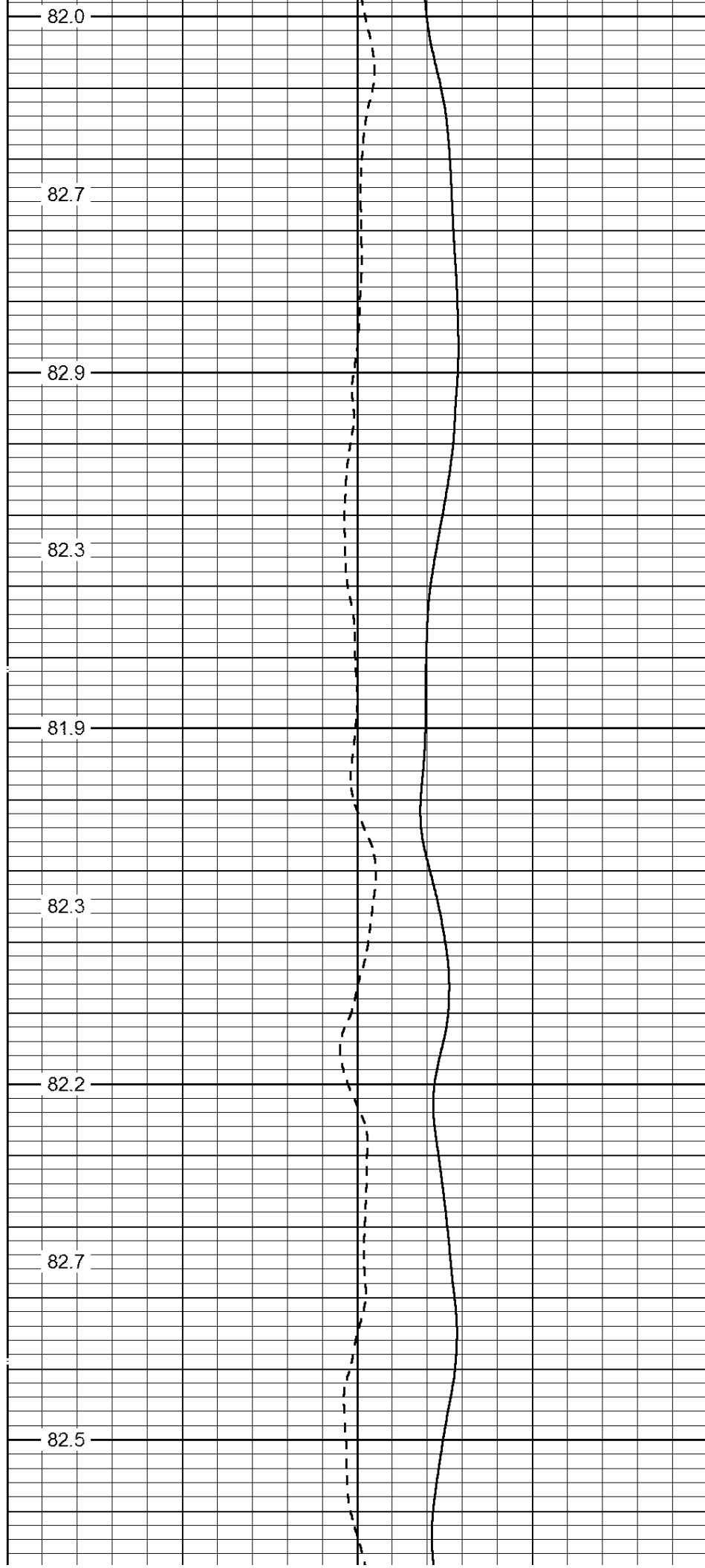
500

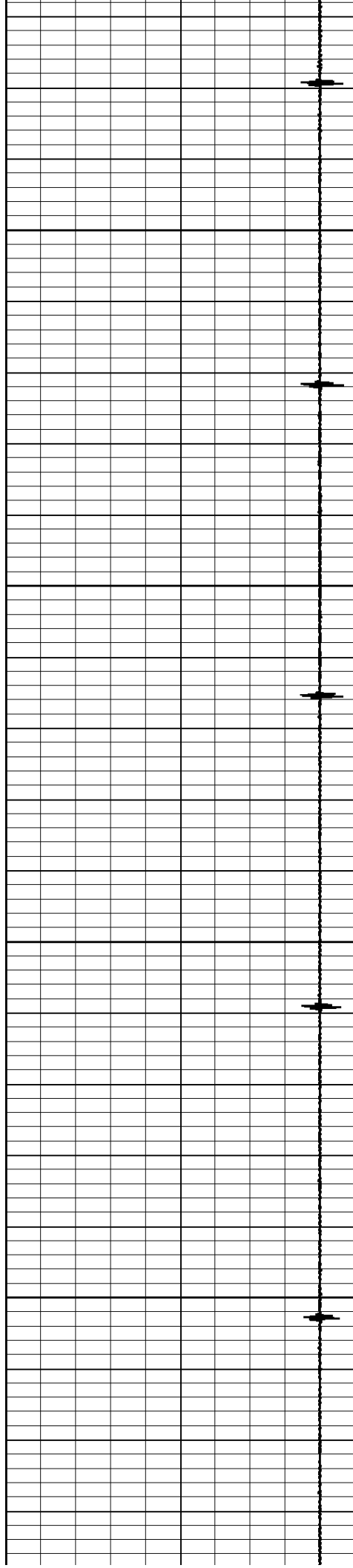




600

700





800

900

82.4

82.2

82.6

82.6

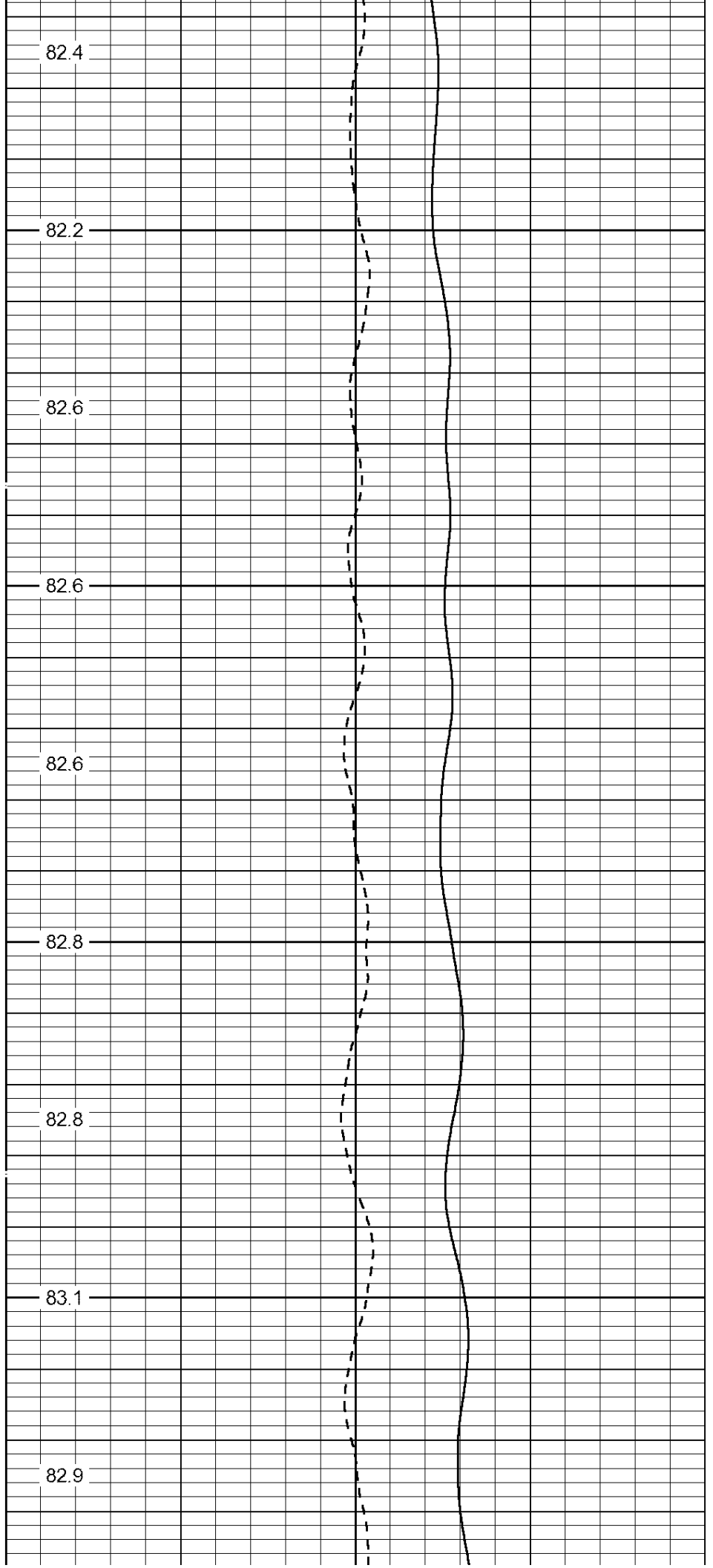
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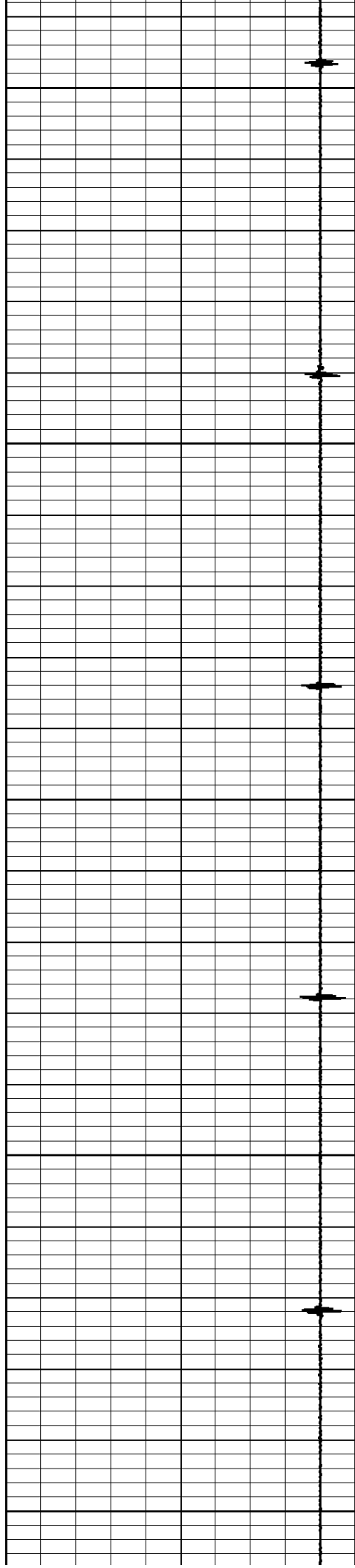
82.8

82.8

83.1

82.9





1000

1100

1200

83.6

83.7

83.2

83.6

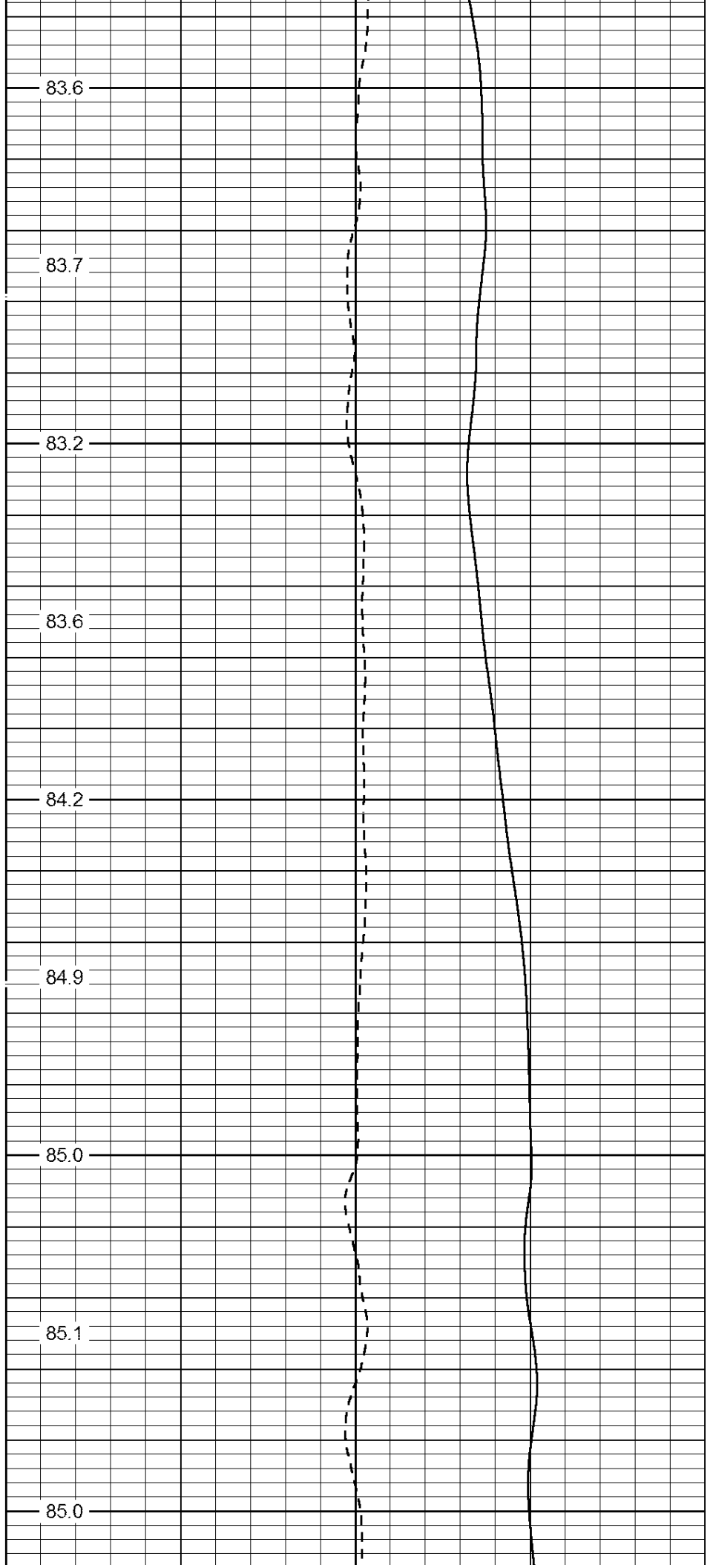
84.2

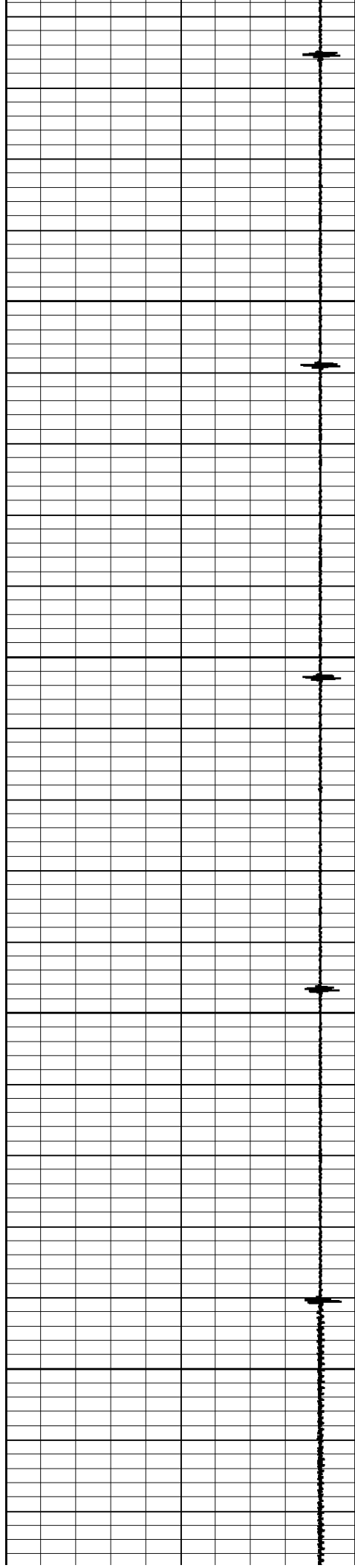
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85.0

85.1

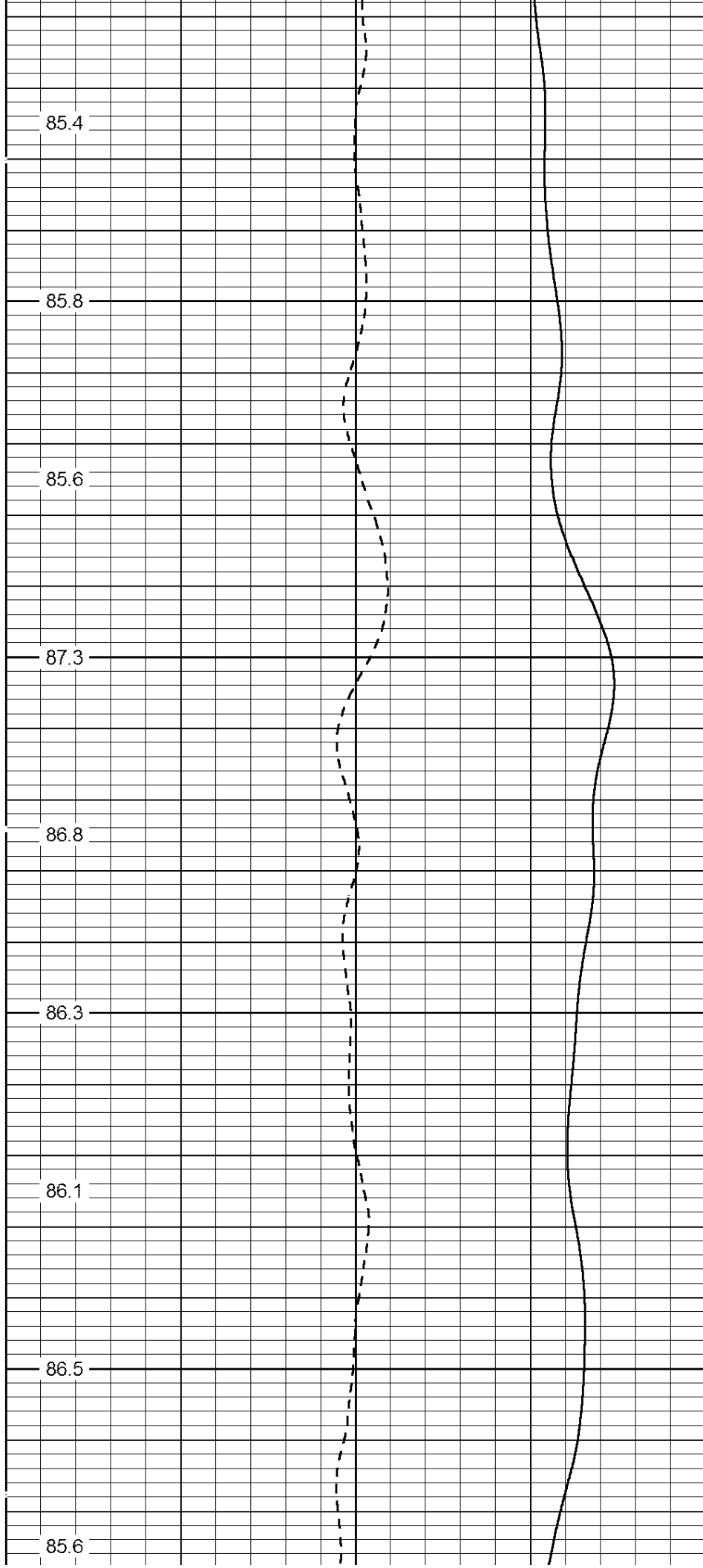
85.0



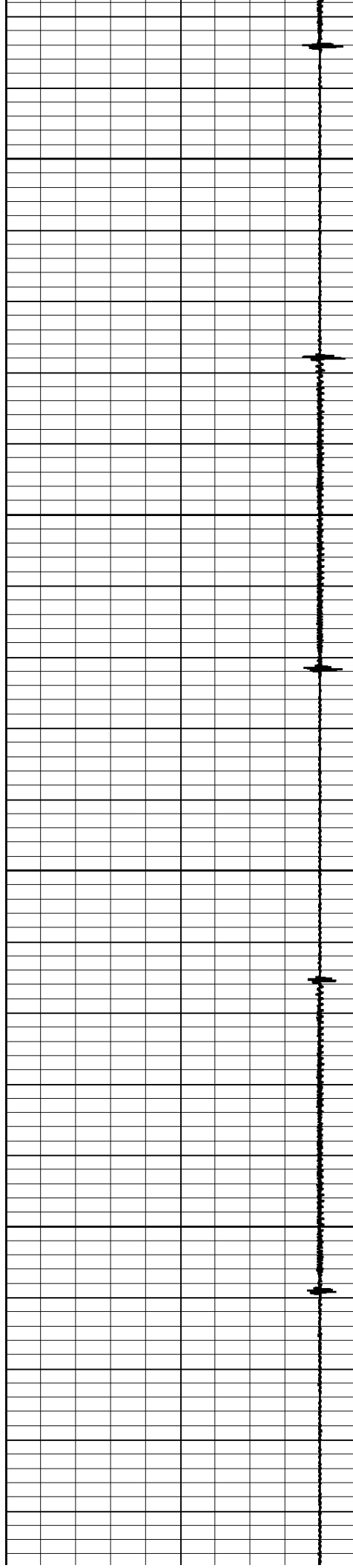


1300

1400

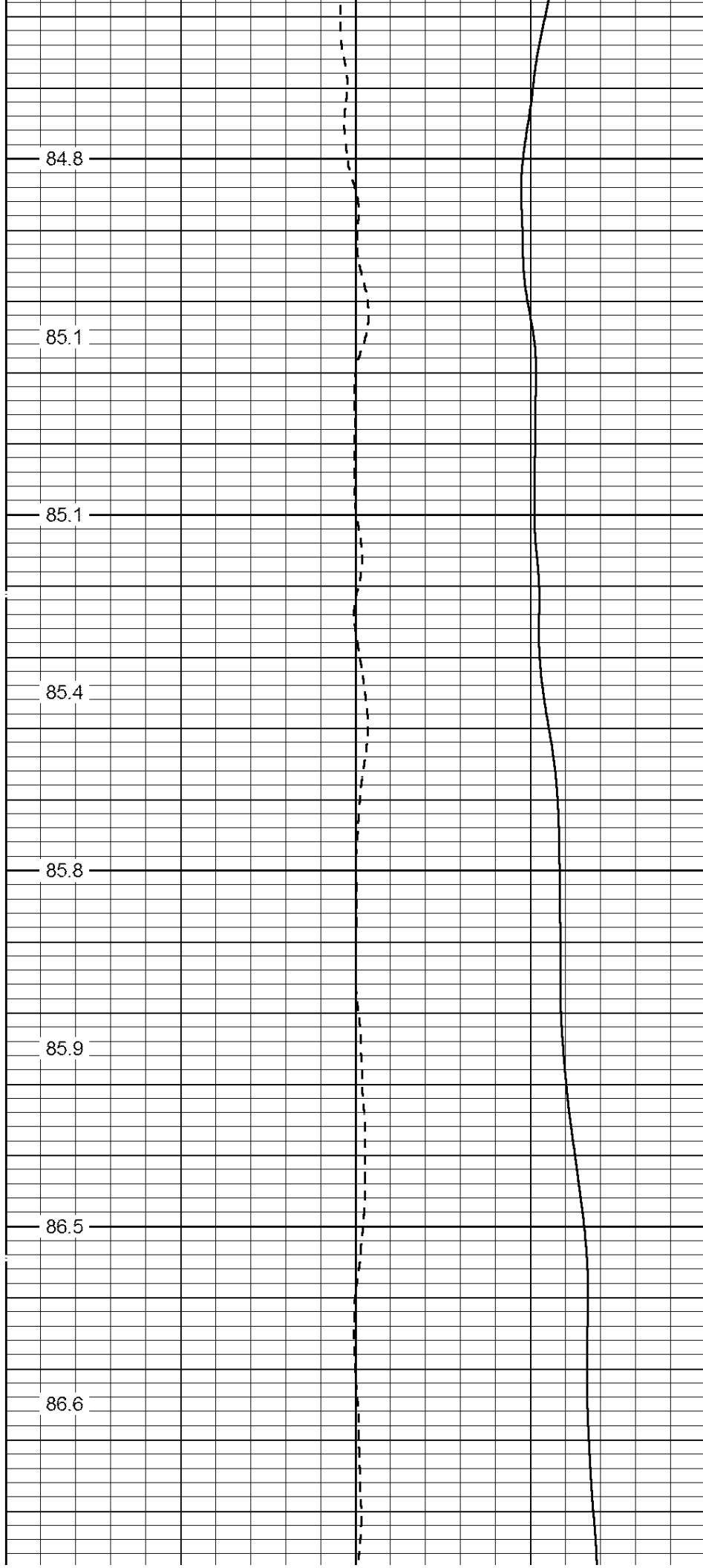


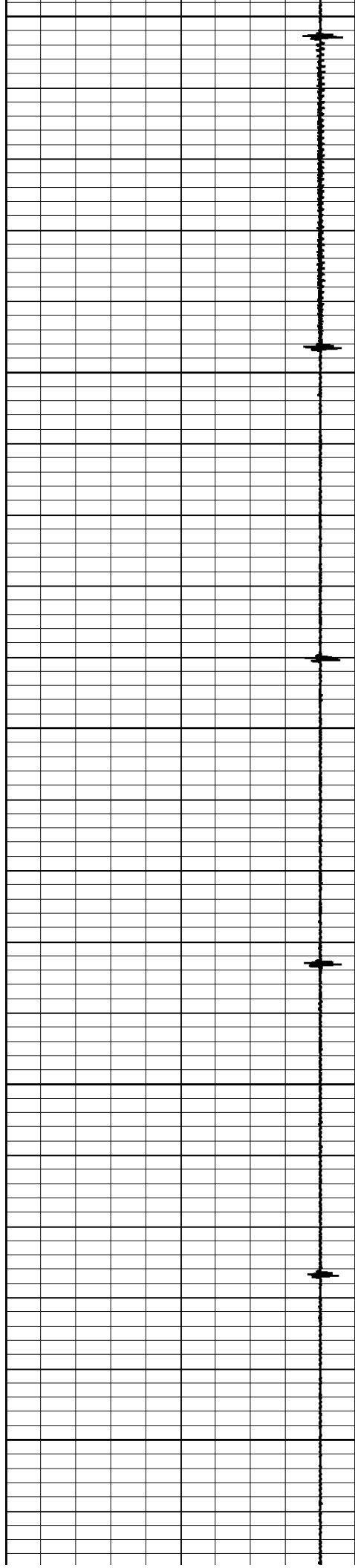




1500

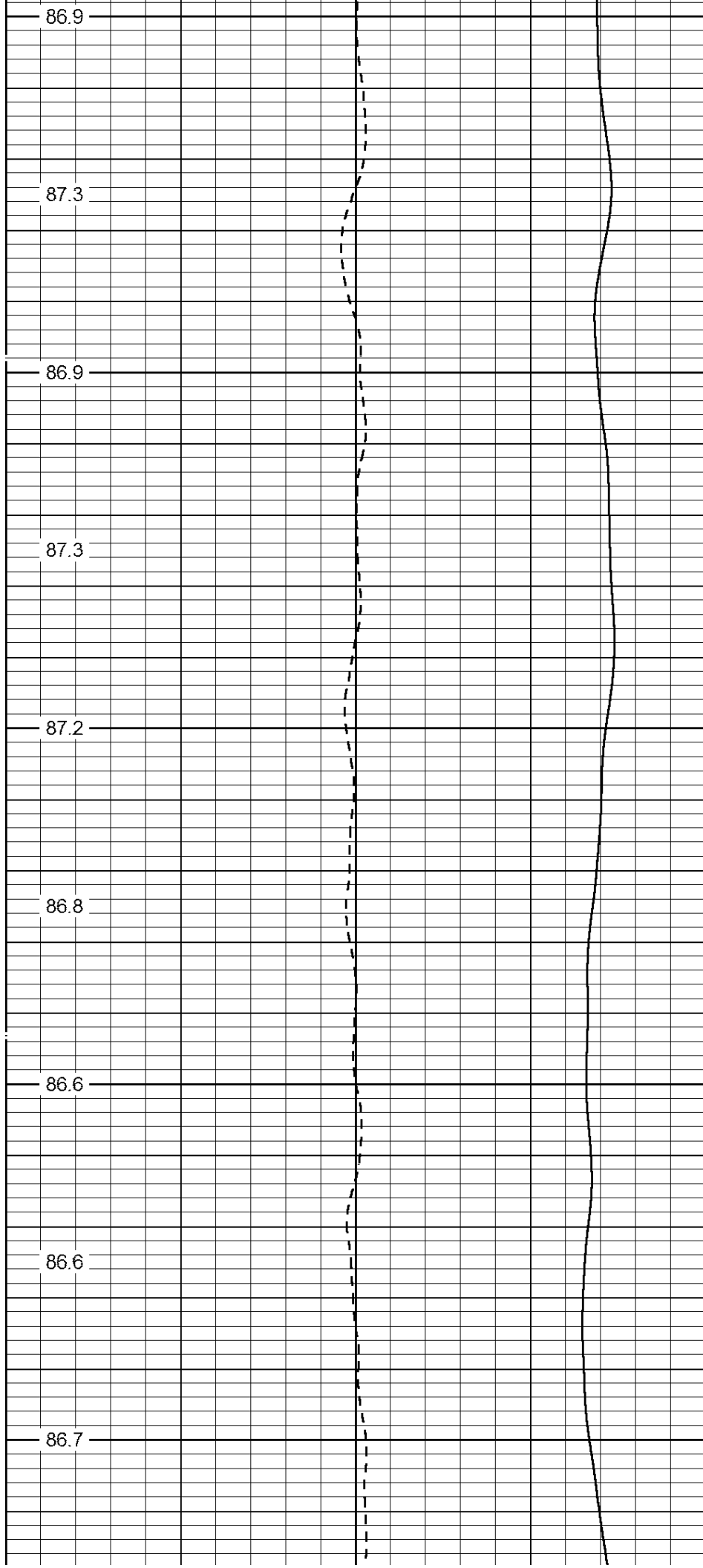
1600

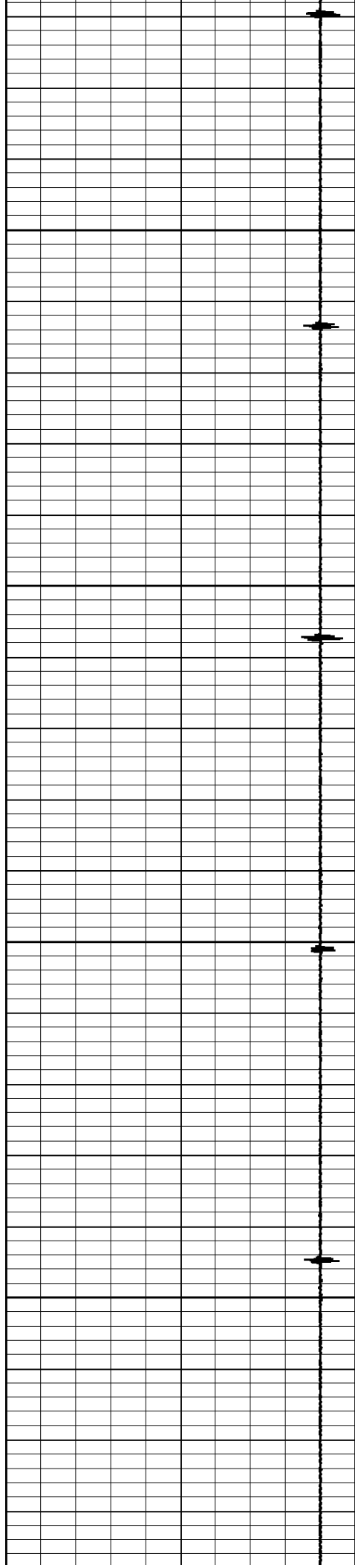




1700

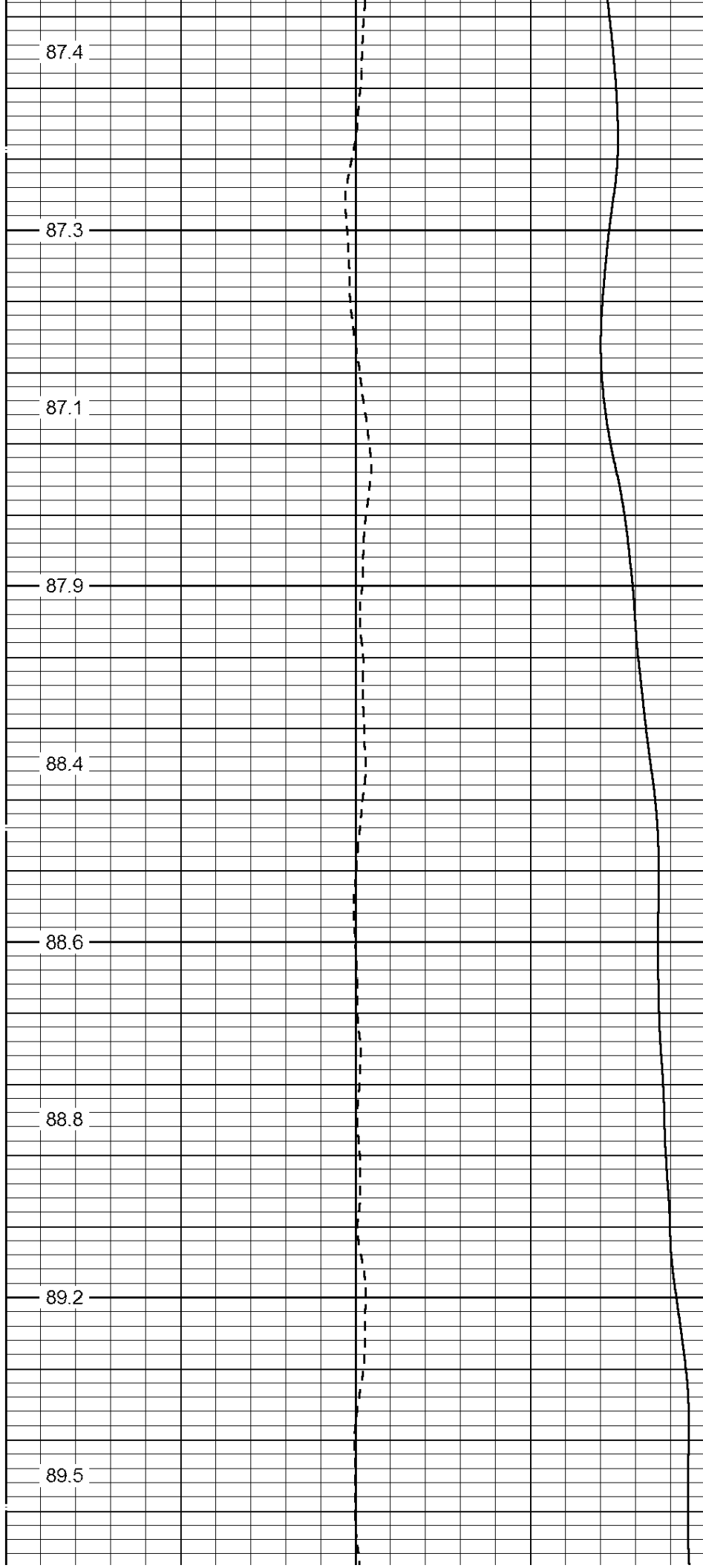
1800

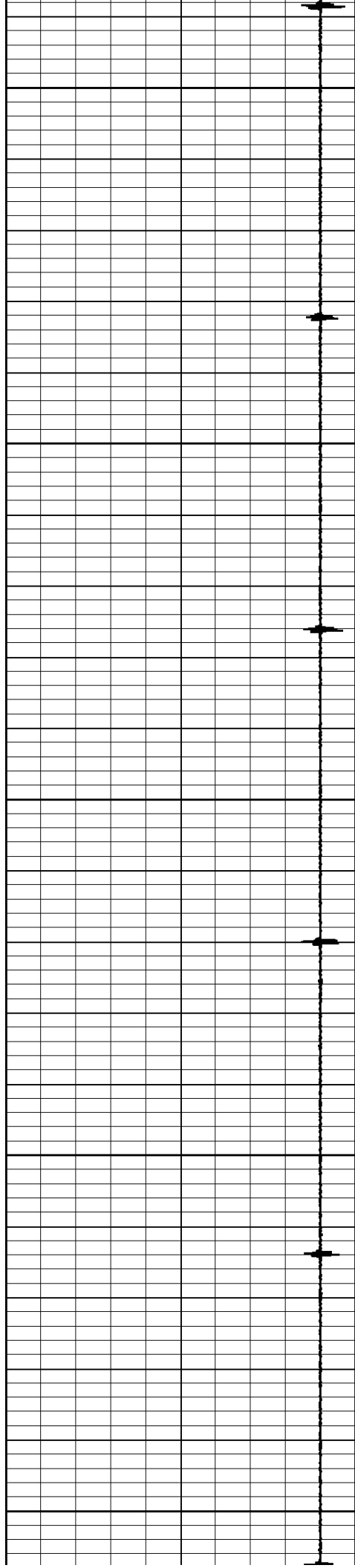




1900

2000





2100

2200

2300

89.7

90.0

89.3

90.5

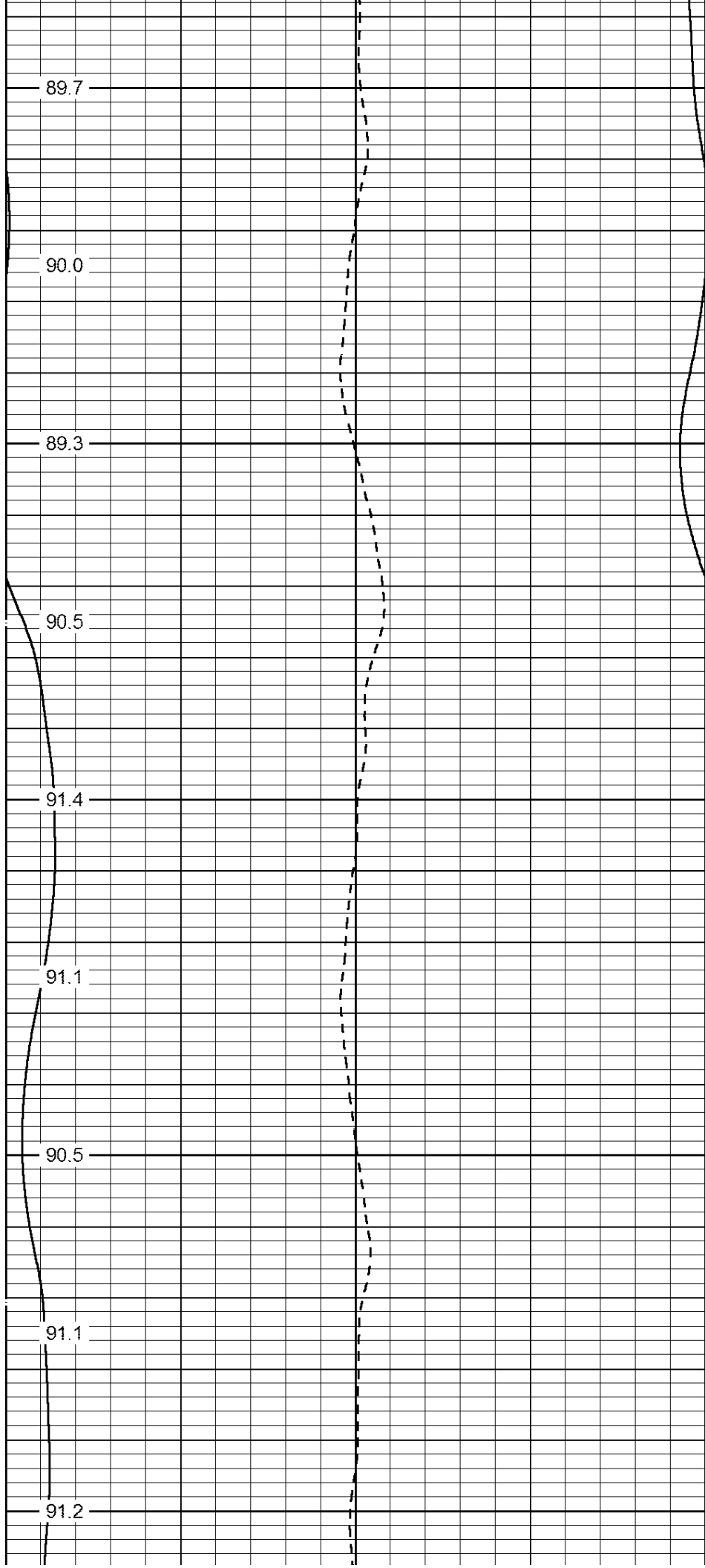
91.4

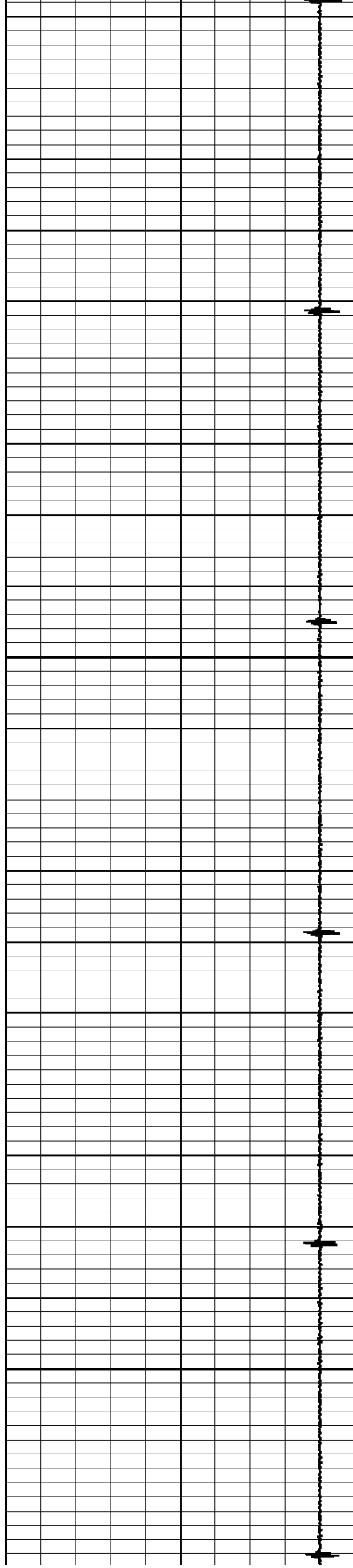
91.1

90.5

91.1

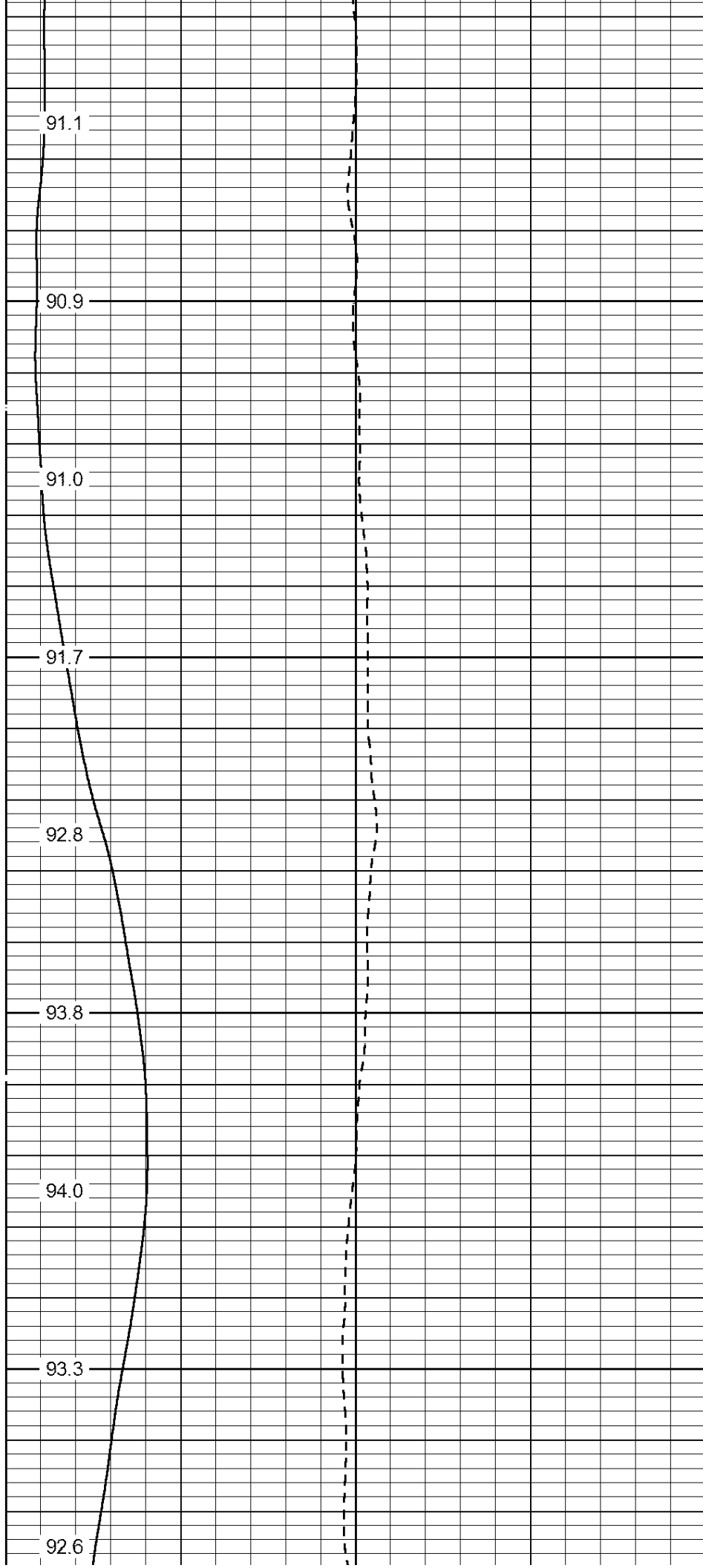
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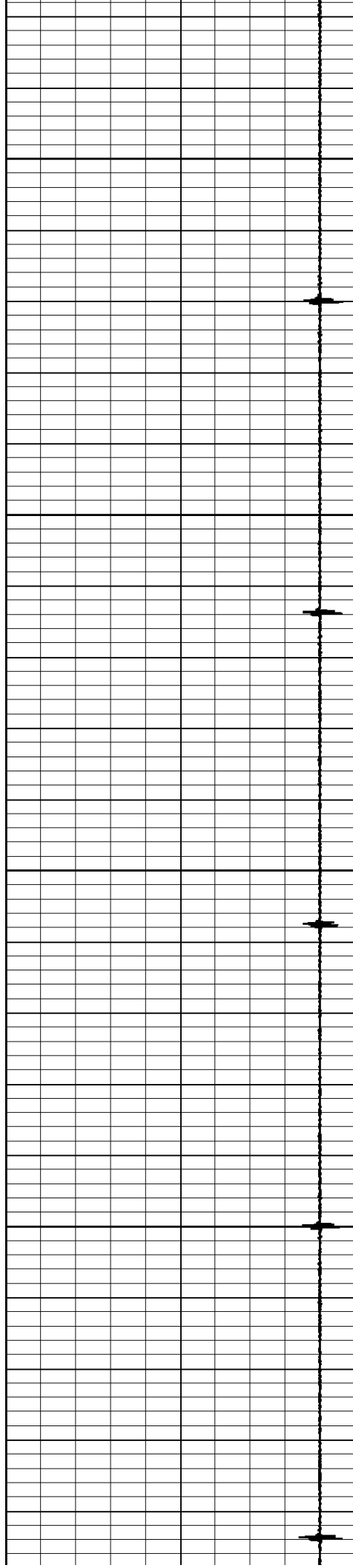




2400

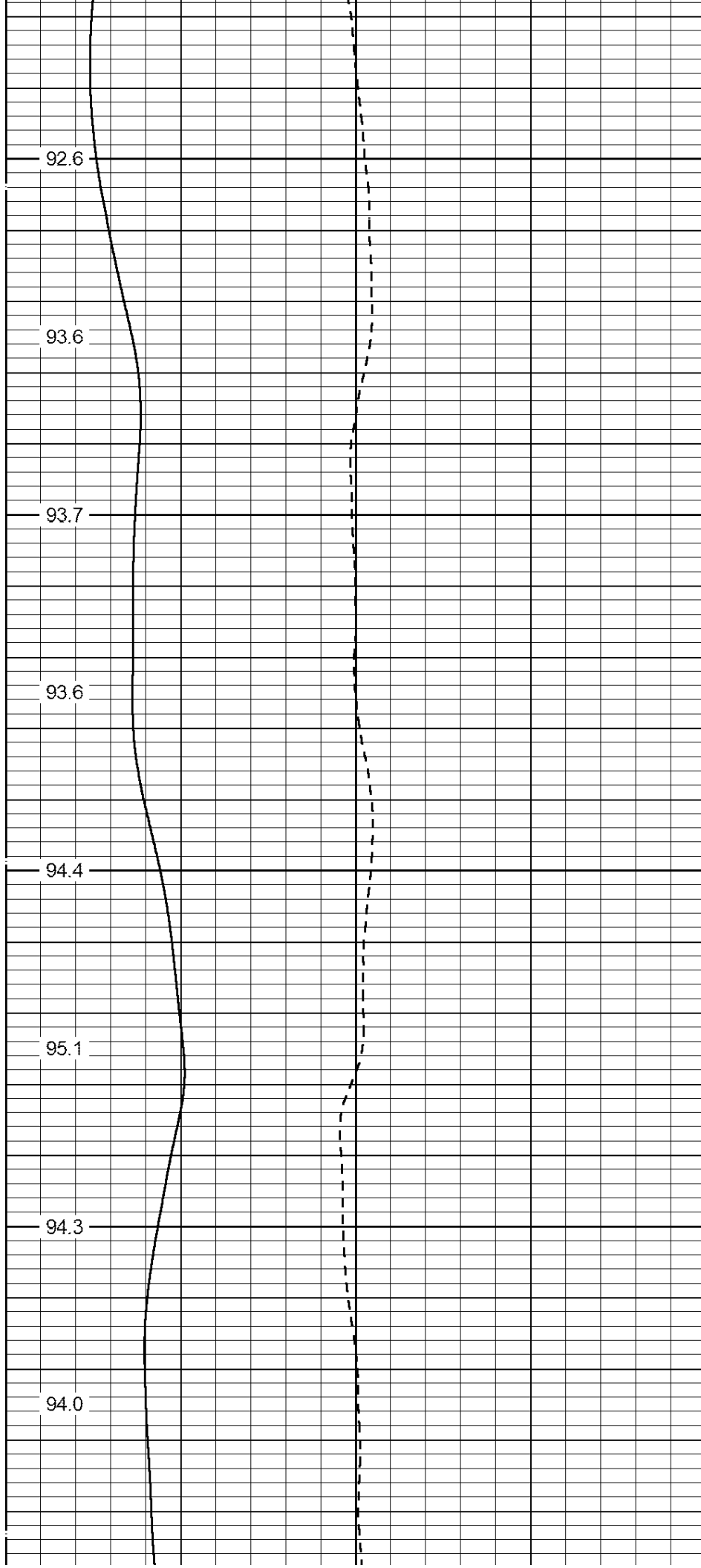
2500

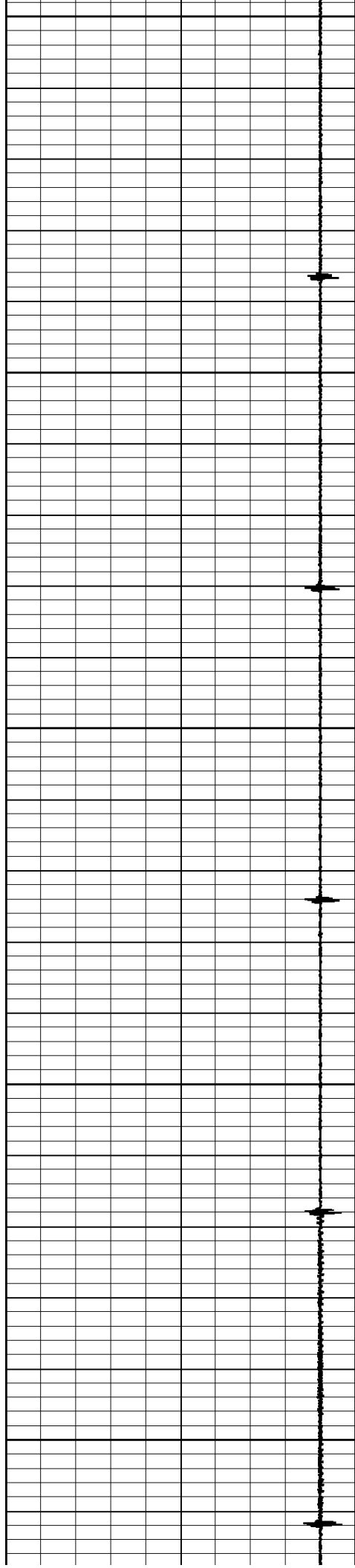




2600

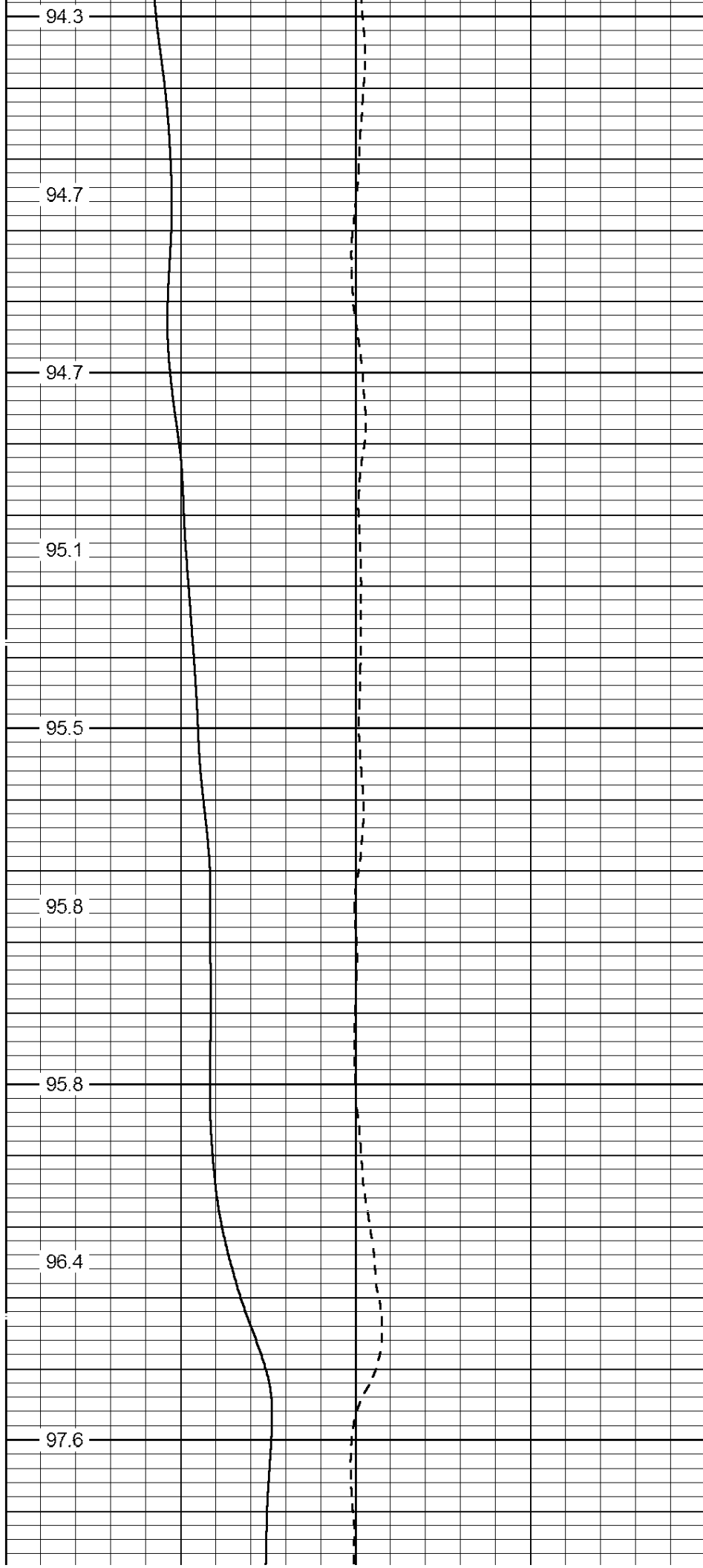
2700

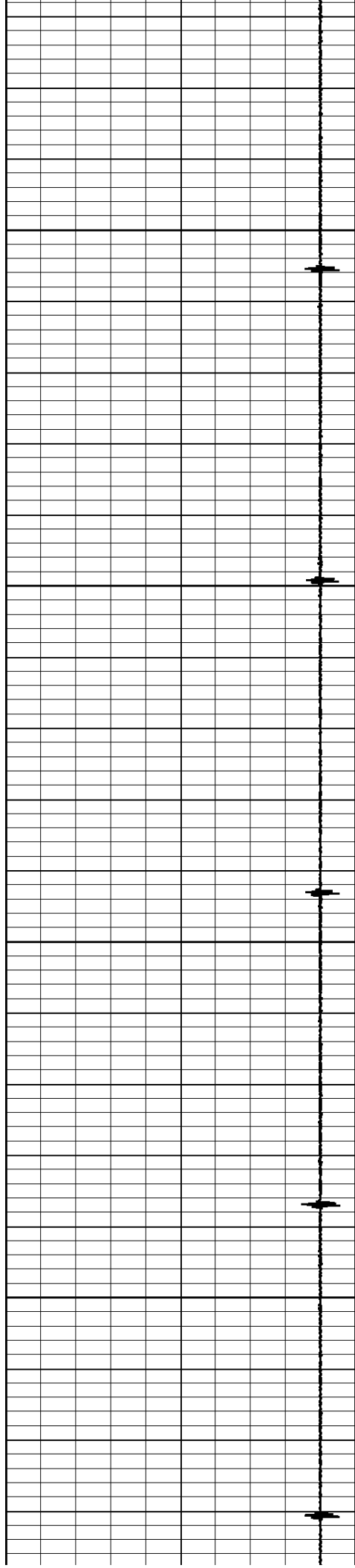




2800

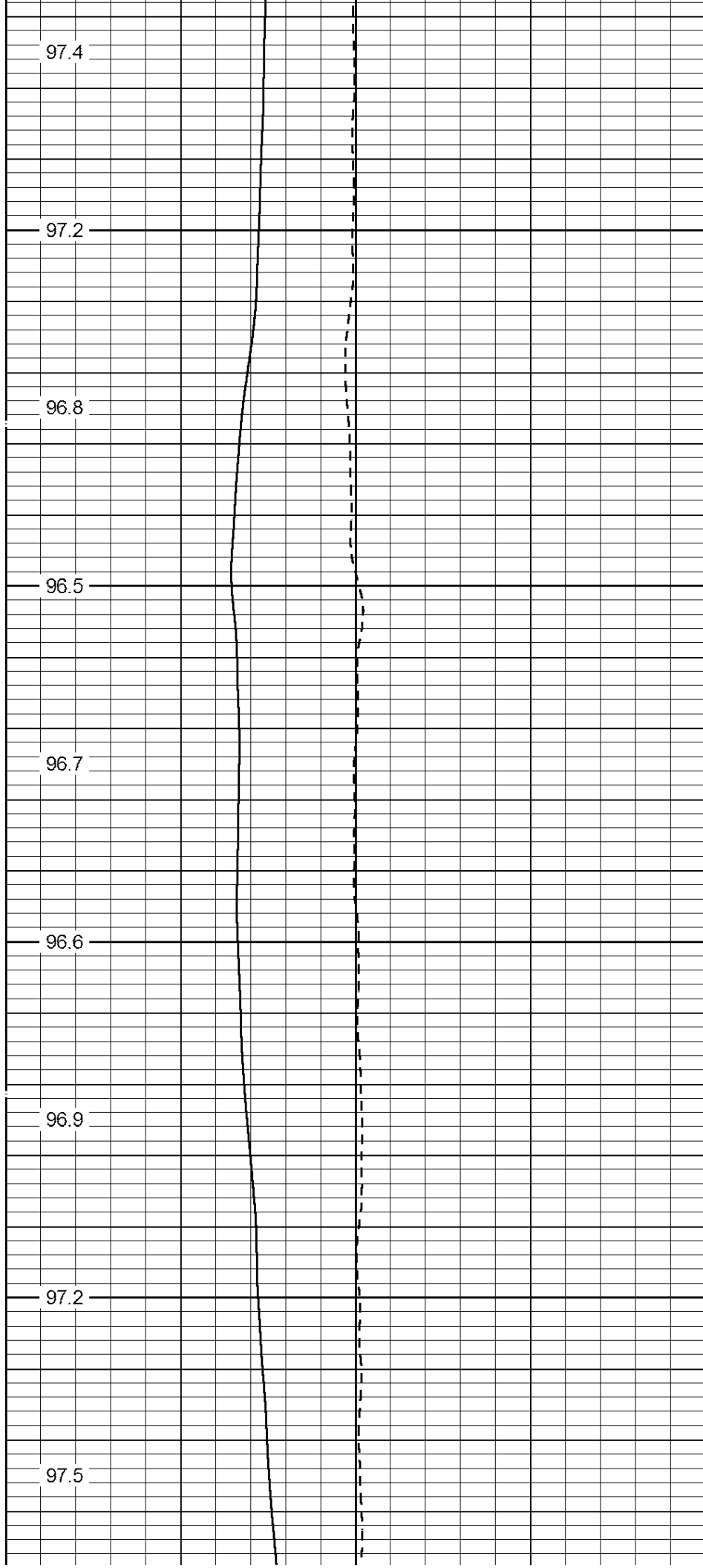
2900



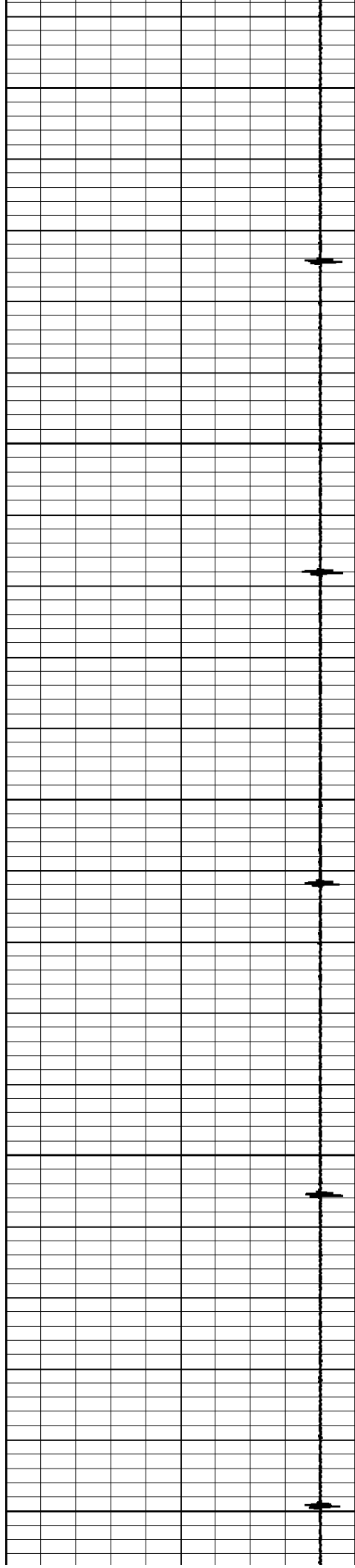


3000

3100



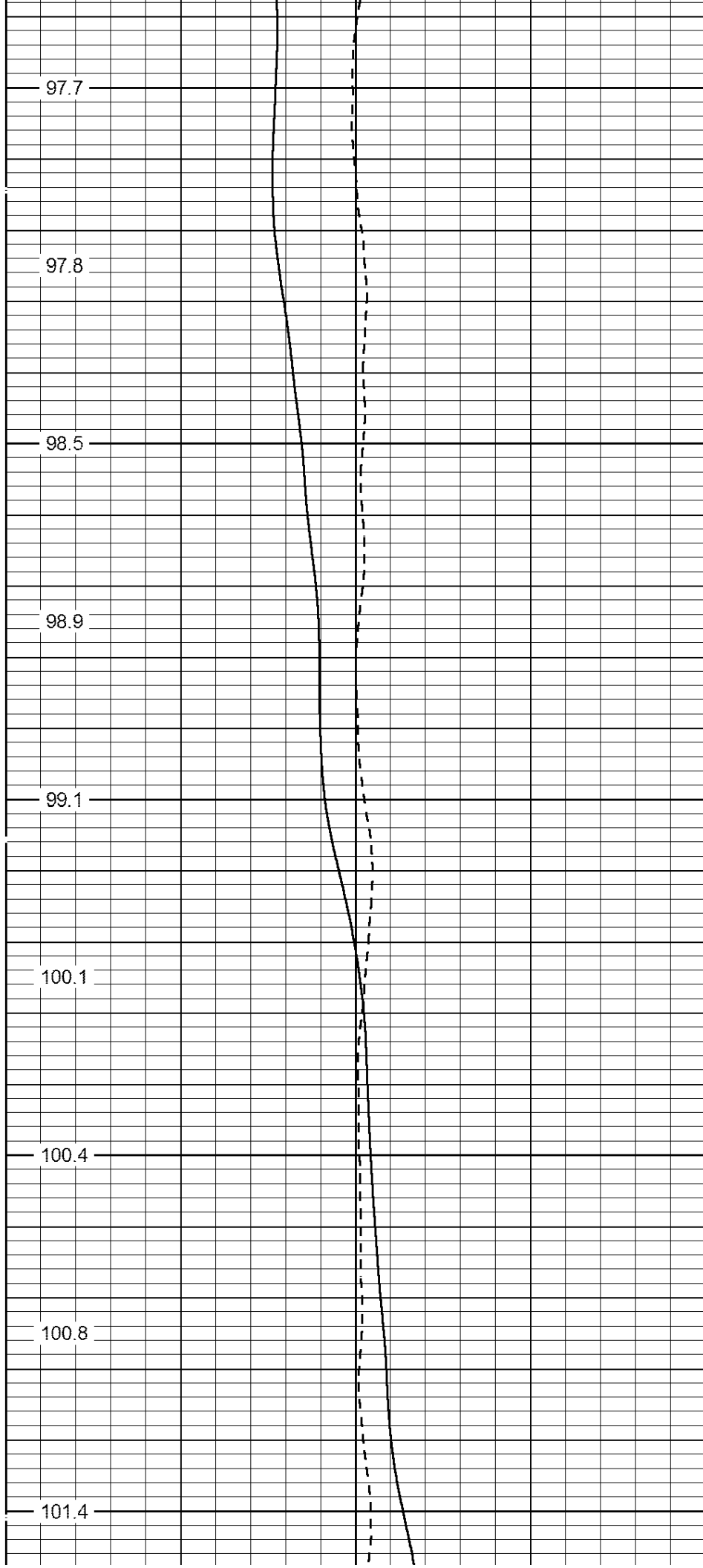




3200

3300

3400



97.7

97.8

98.5

98.9

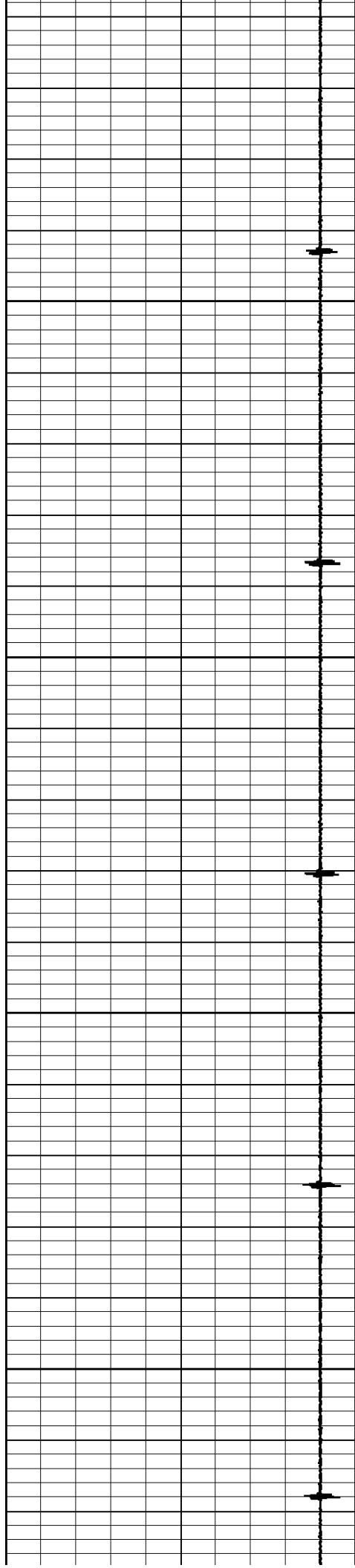
99.1

100.1

100.4

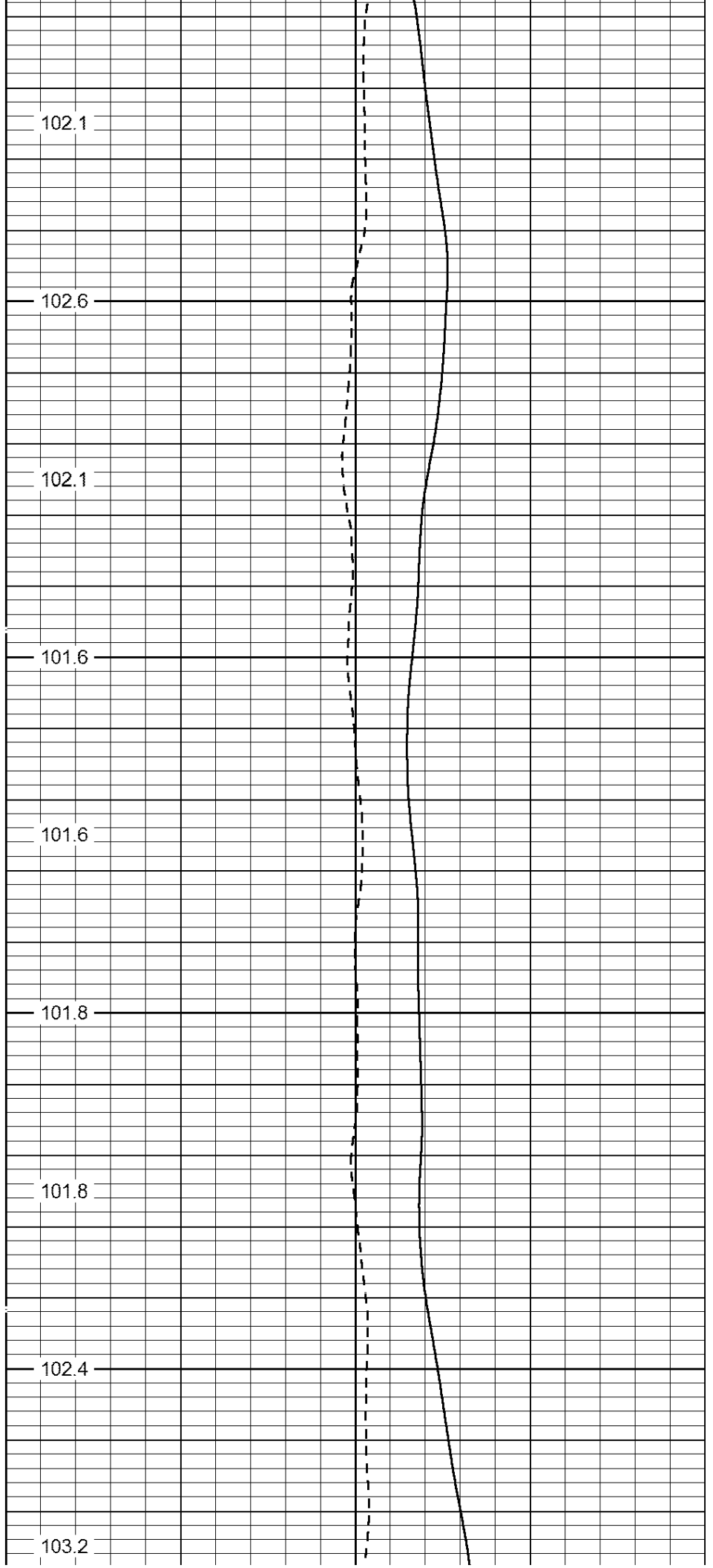
100.8

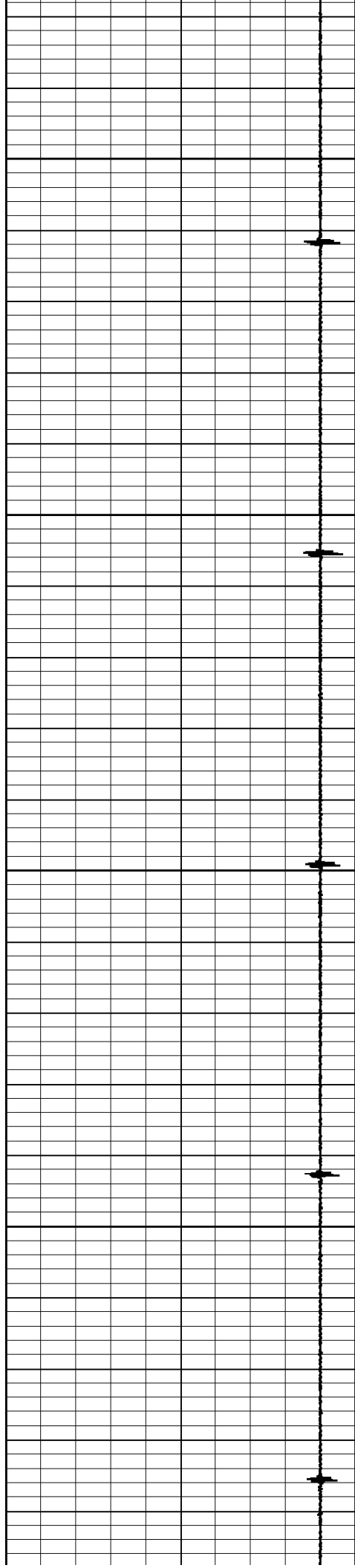
101.4



3500

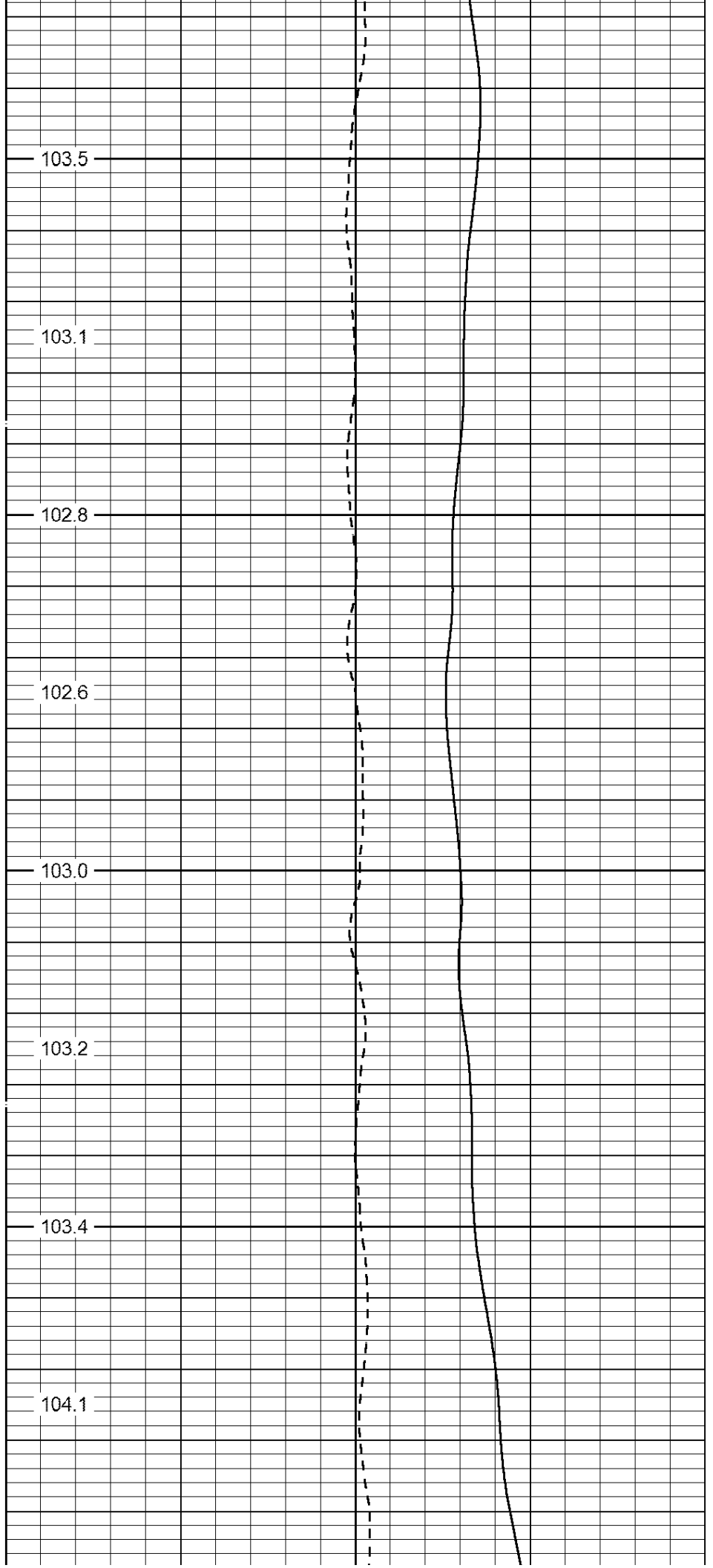
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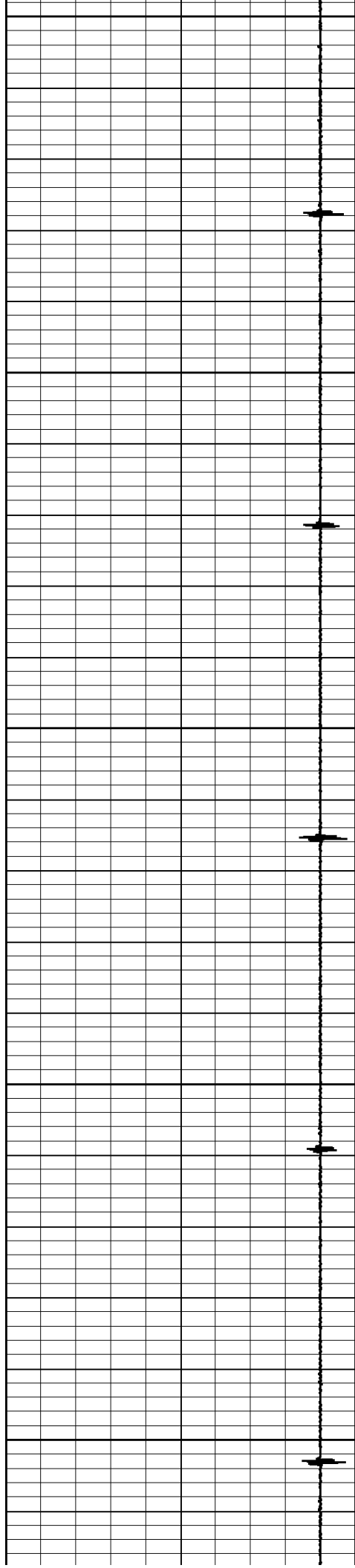




3700

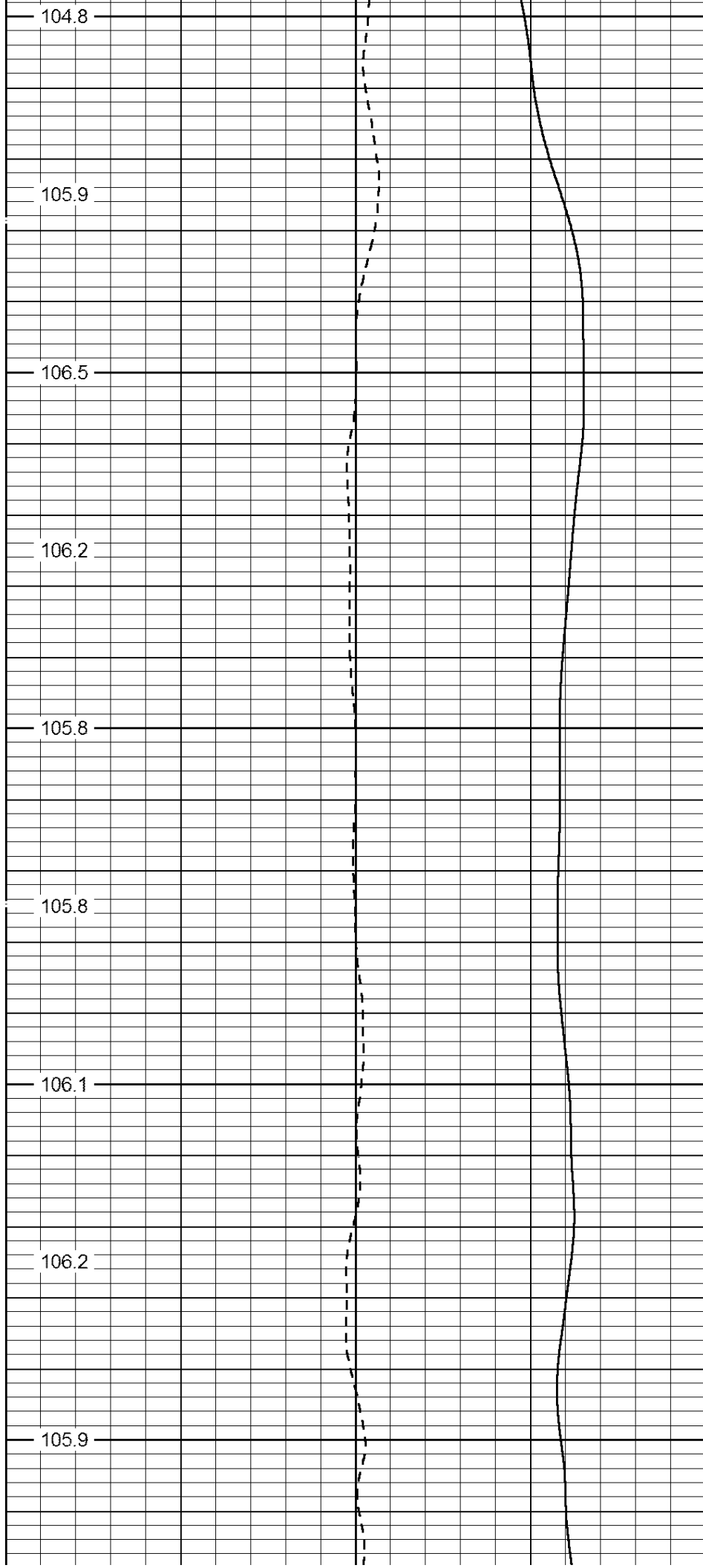
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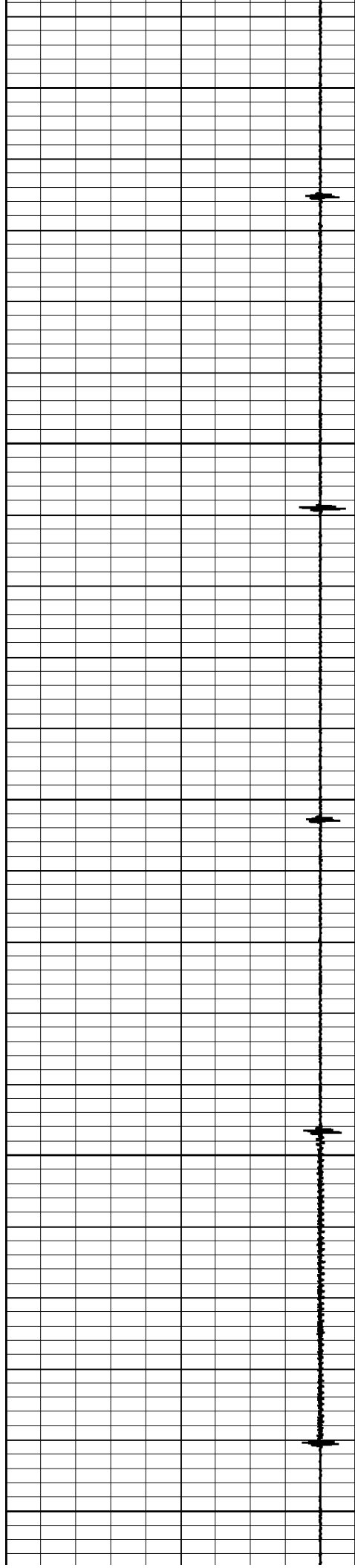


3900

4000



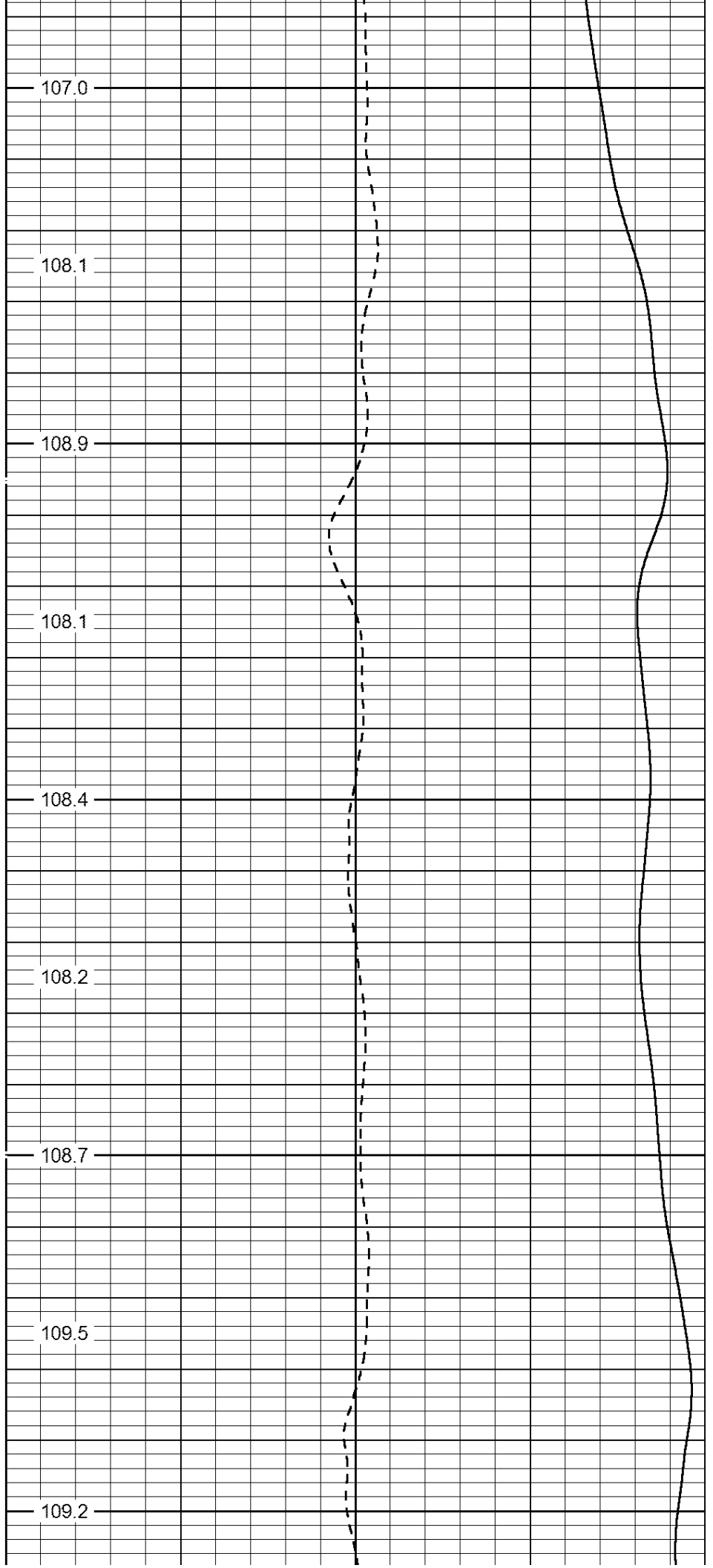


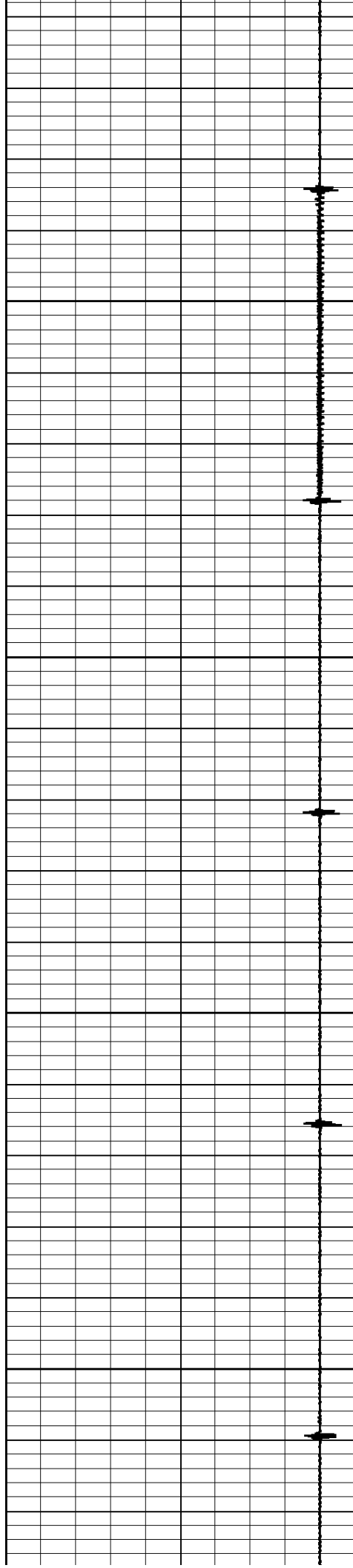


4300

4400

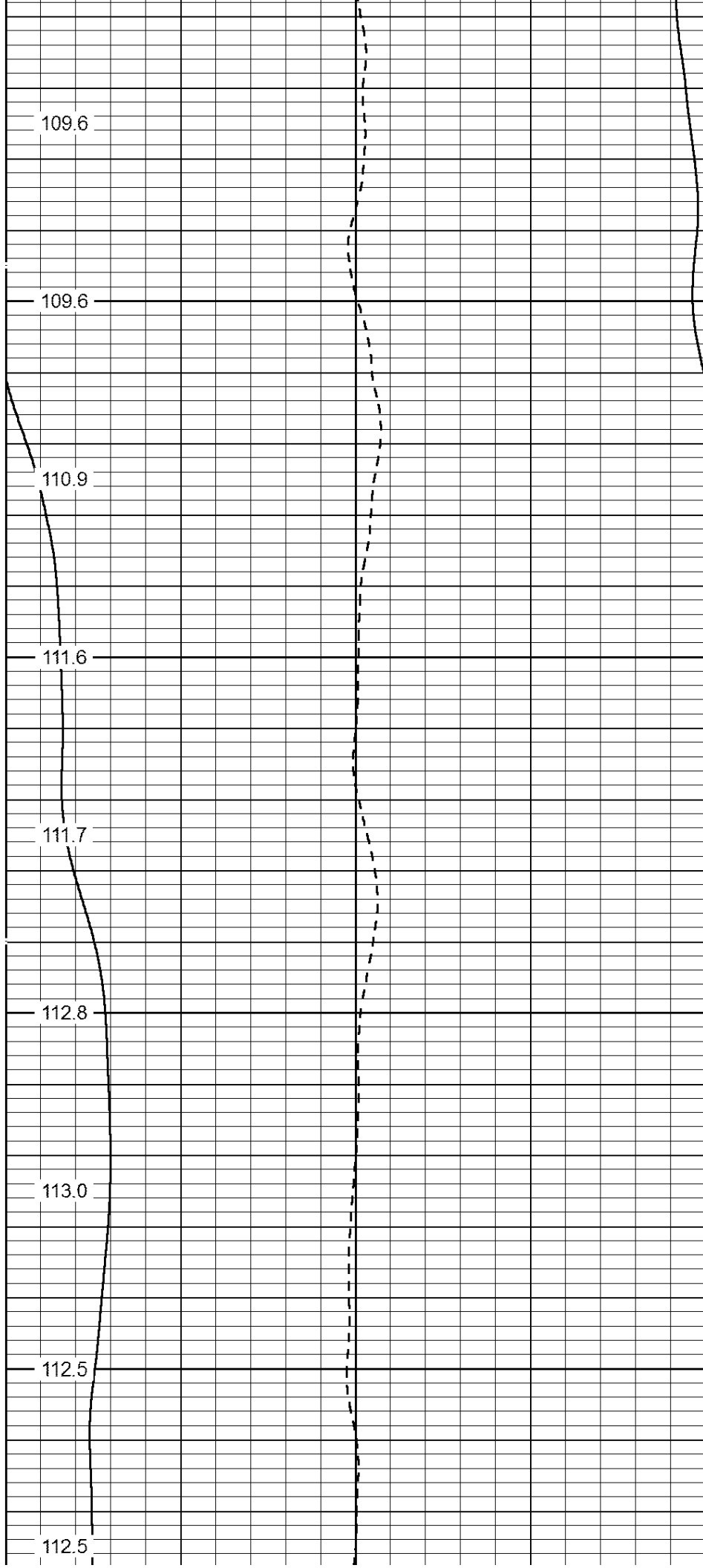
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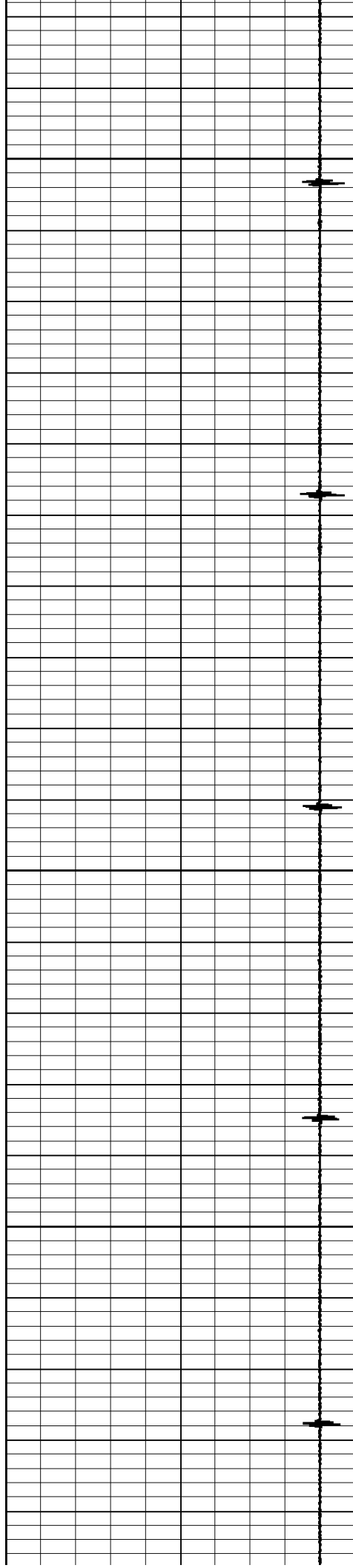




4600

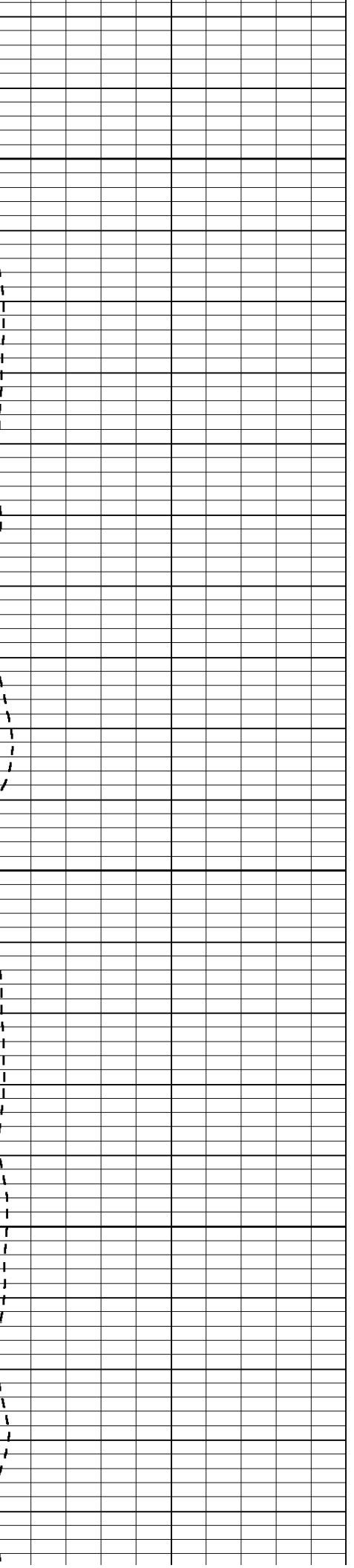
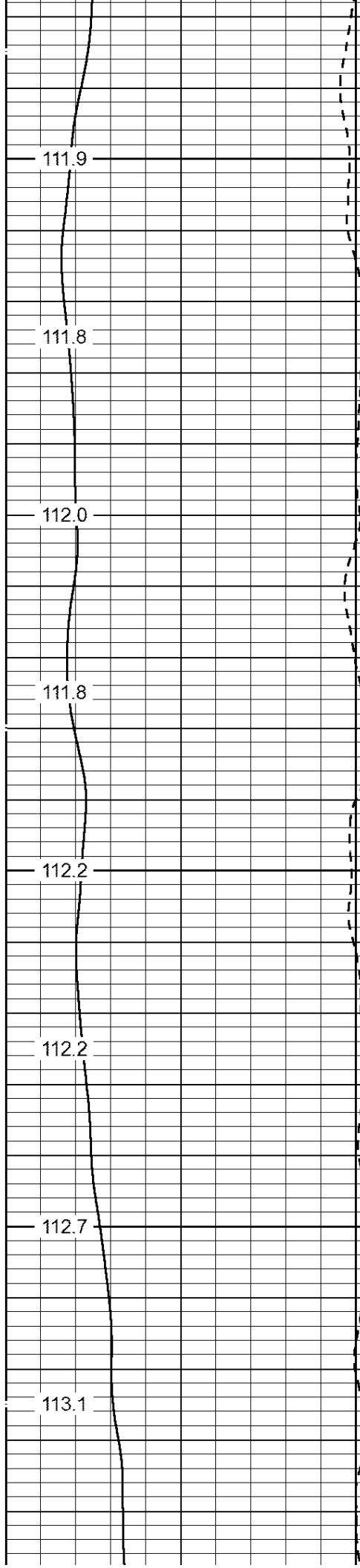
4700



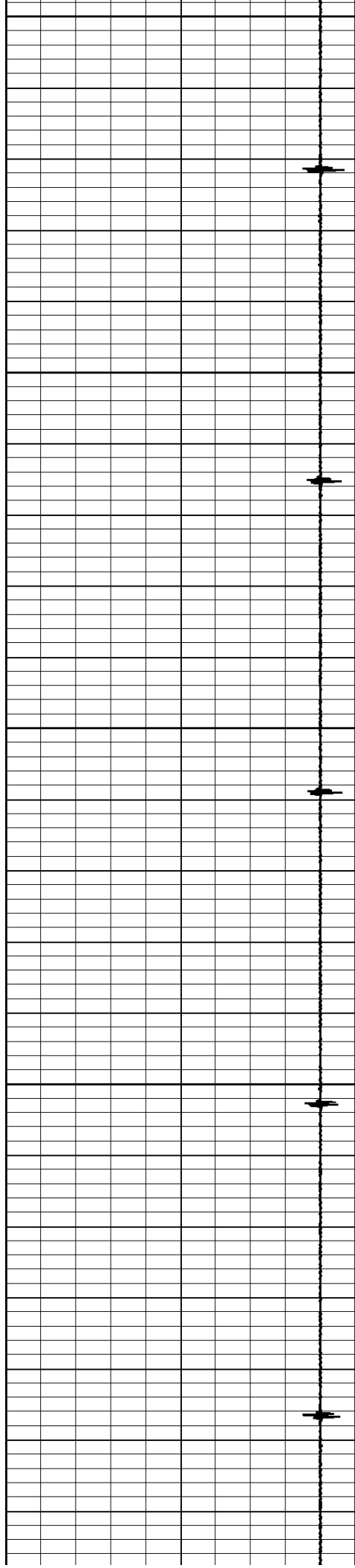


4800

4900

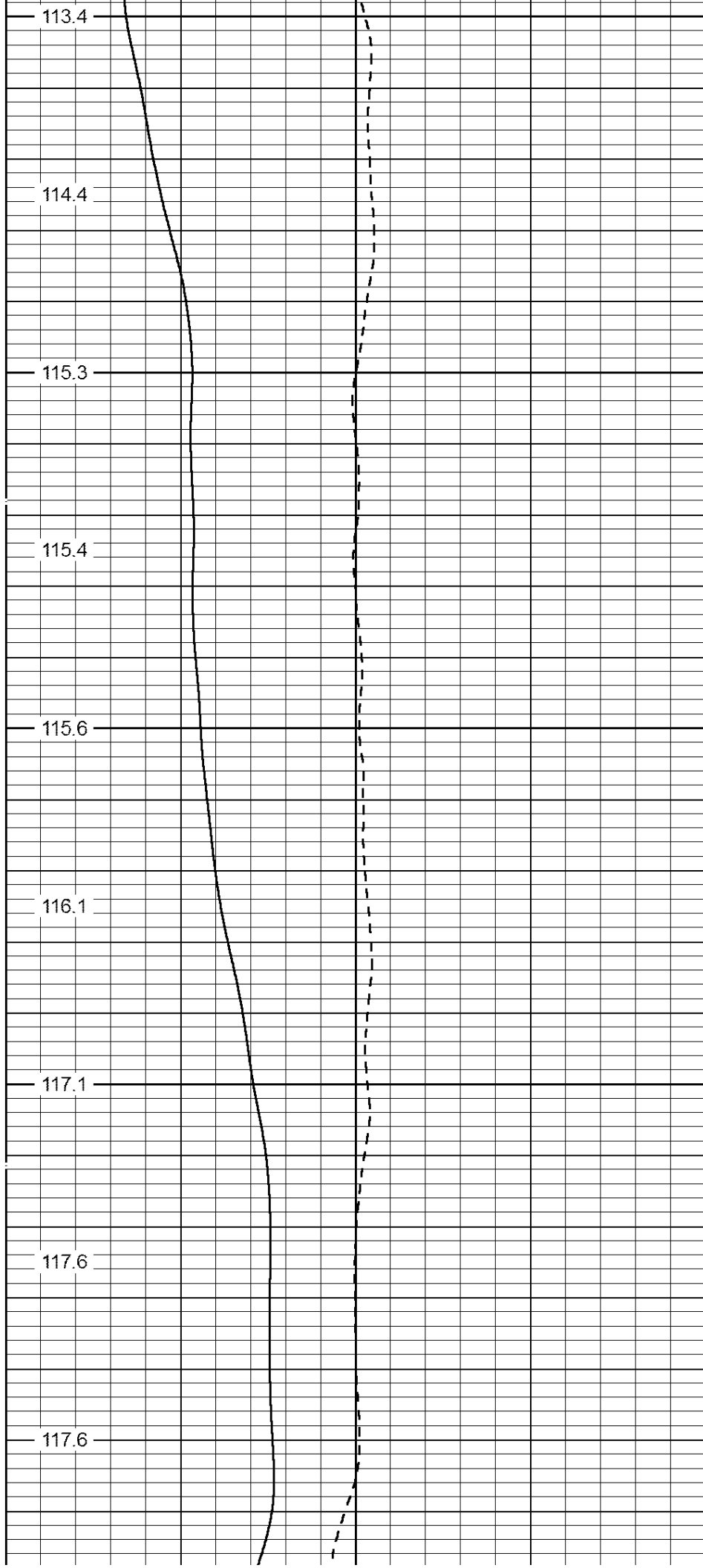


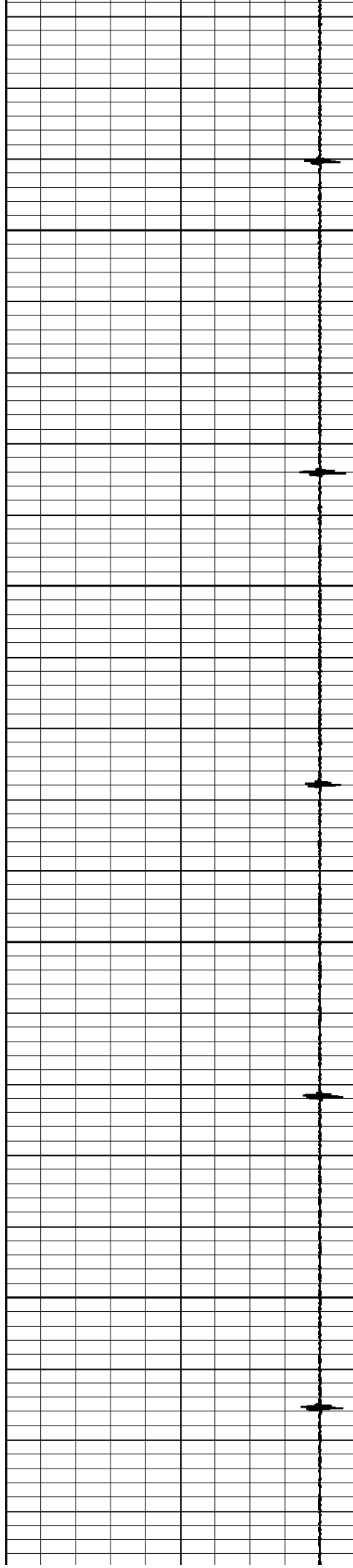




5000

5100





5200

5300

116.7

116.4

116.4

116.9

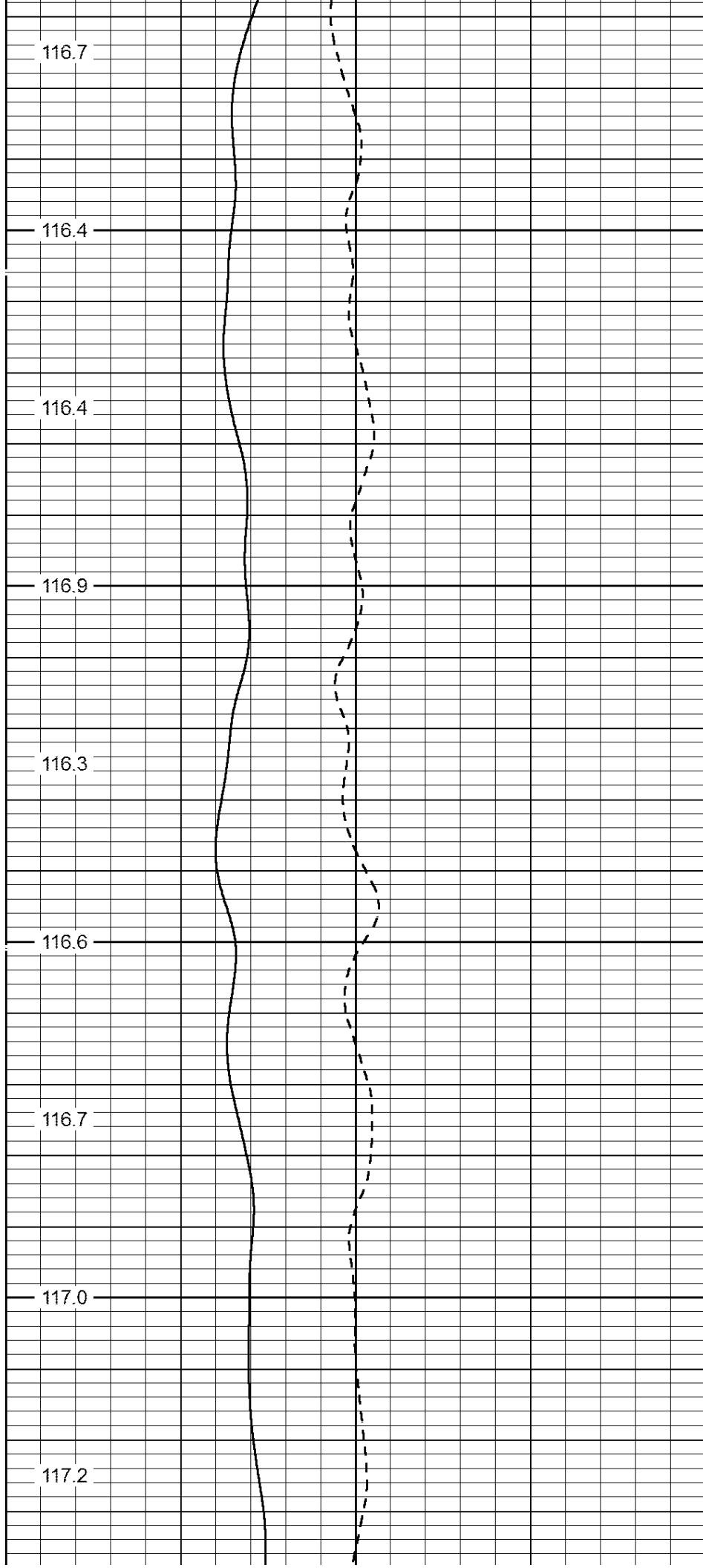
116.3

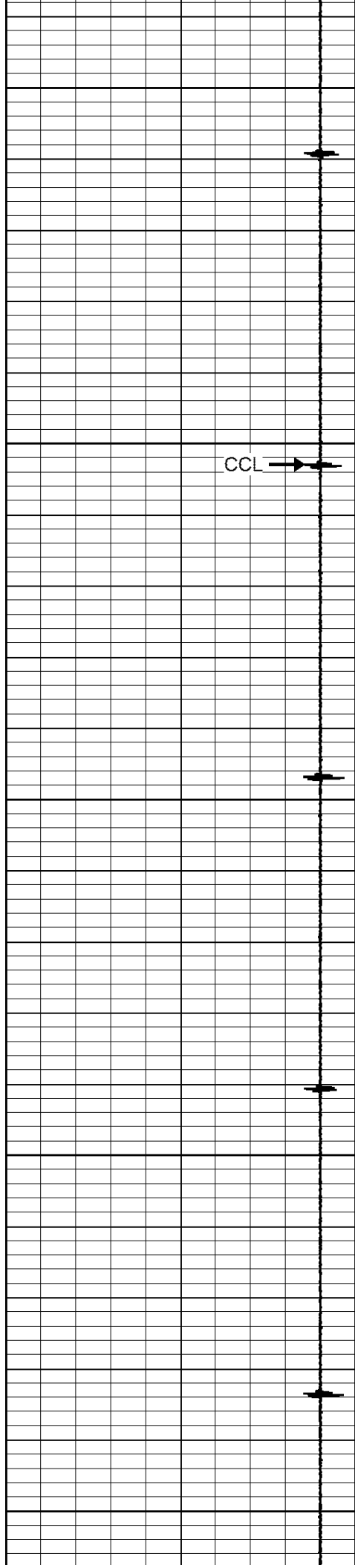
116.6

116.7

117.0

117.2



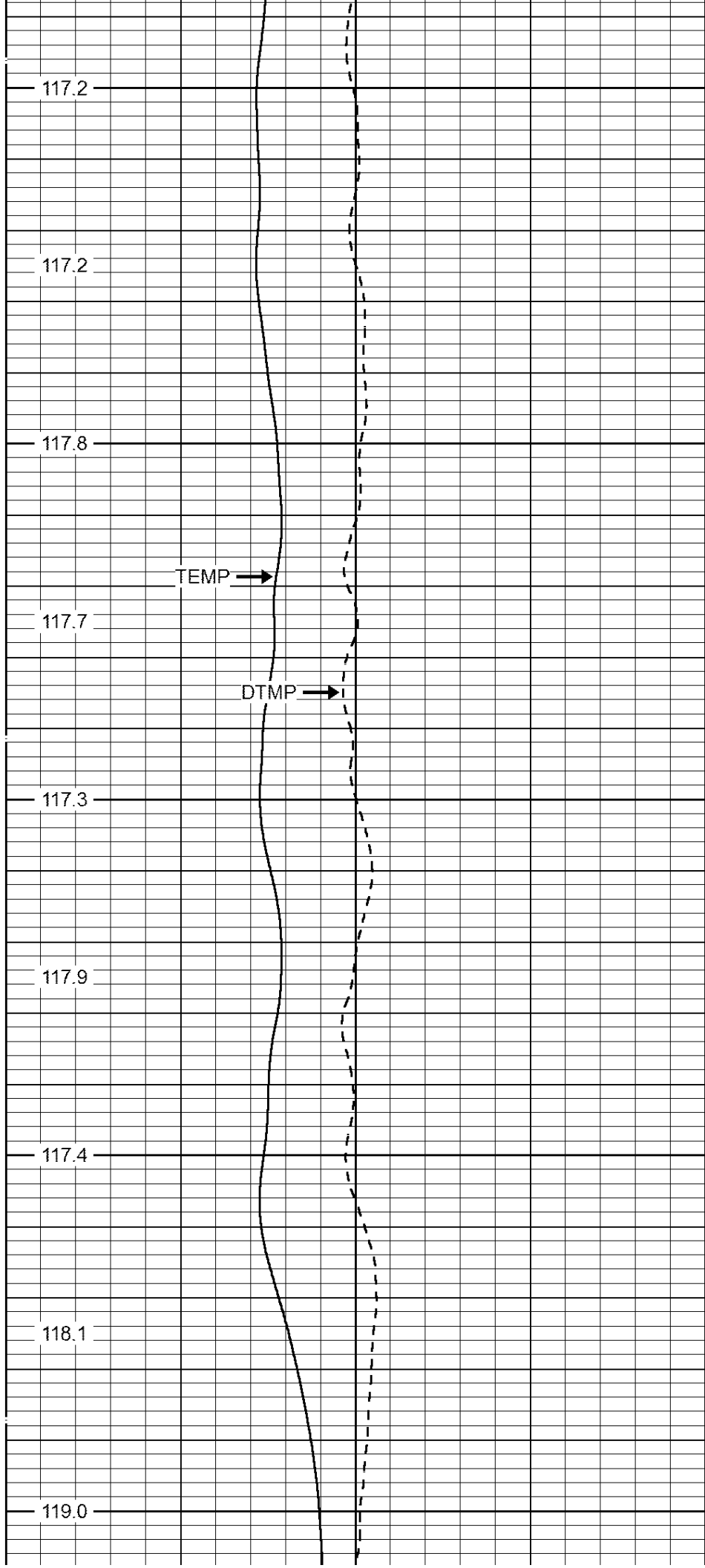


5400

CCL

5500

5600



117.2

117.2

117.8

TEMP

117.7

DTMP

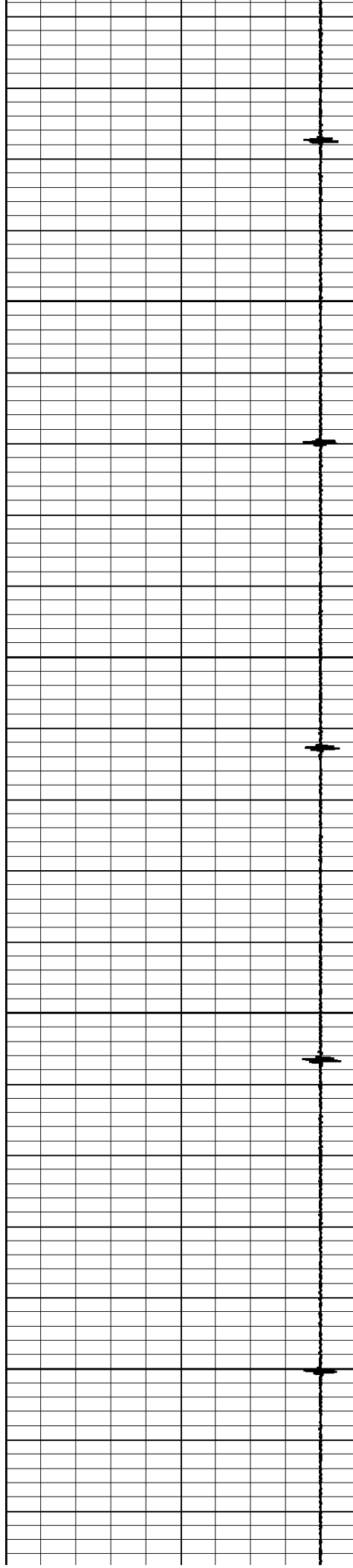
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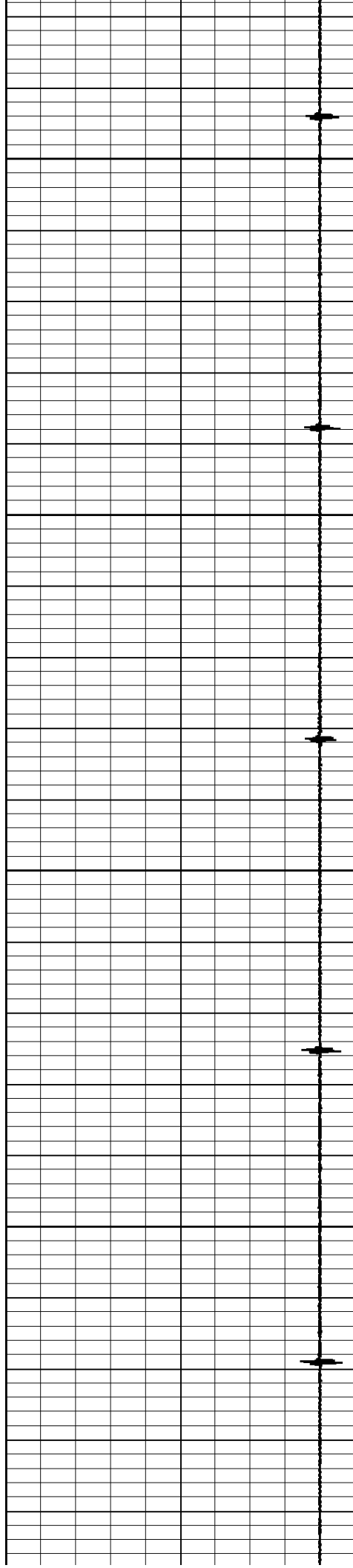
117.9

117.4

118.1

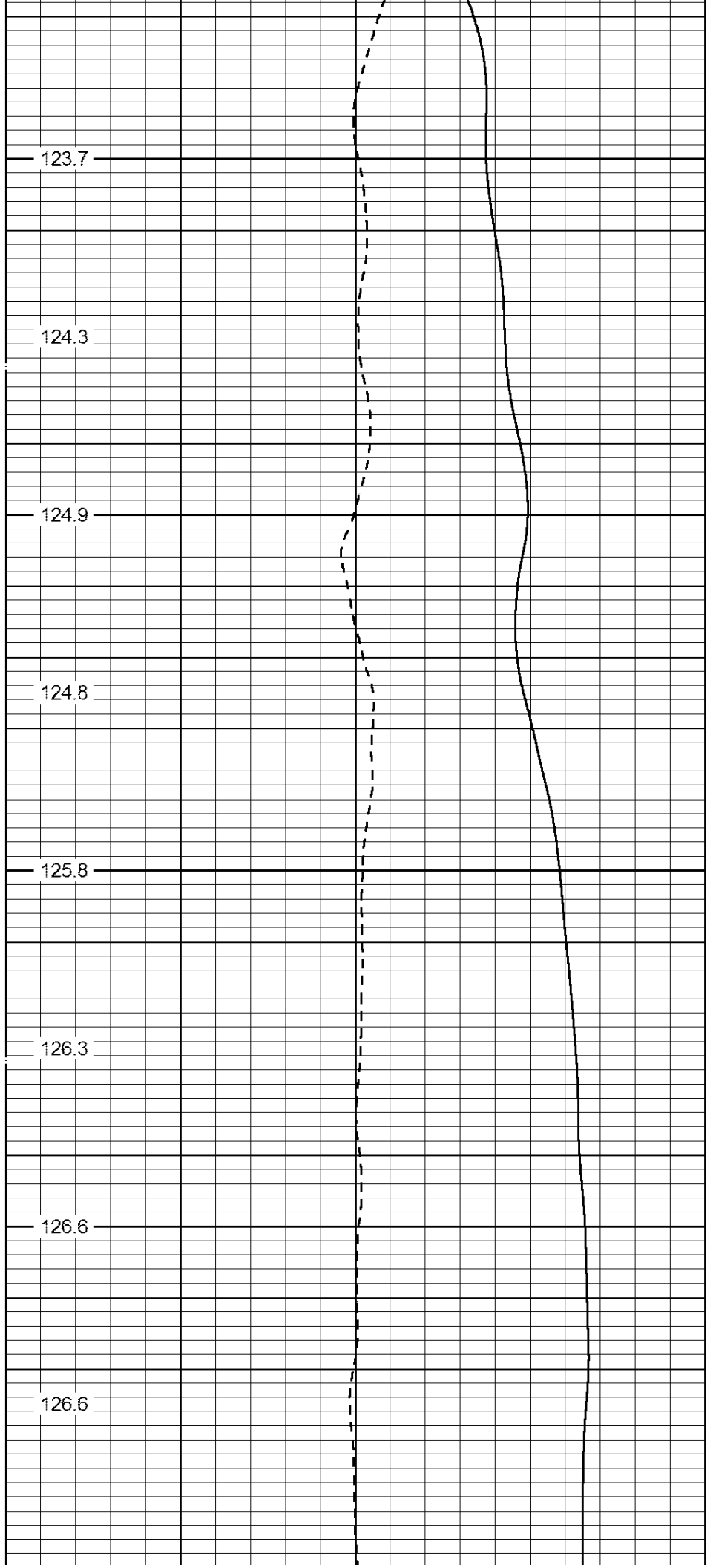
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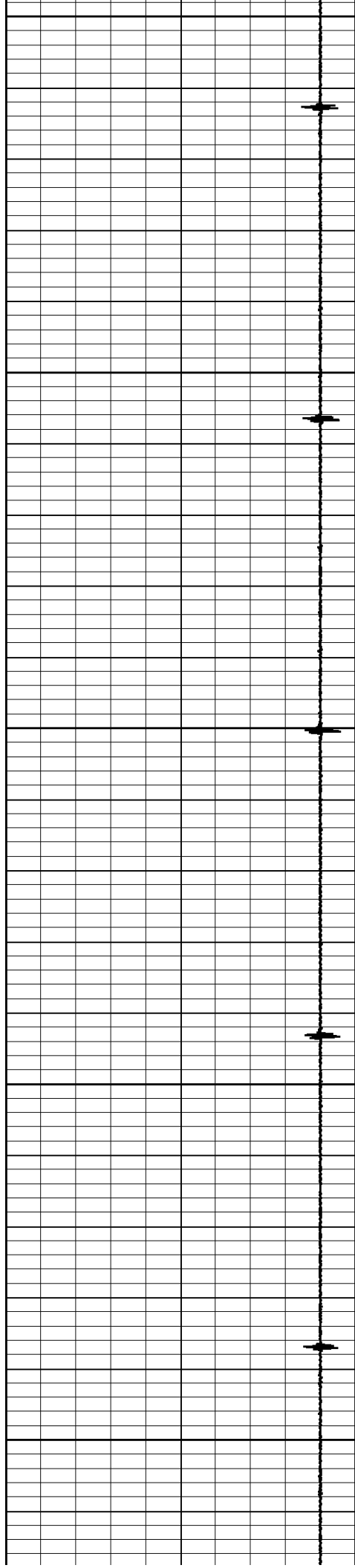




5900

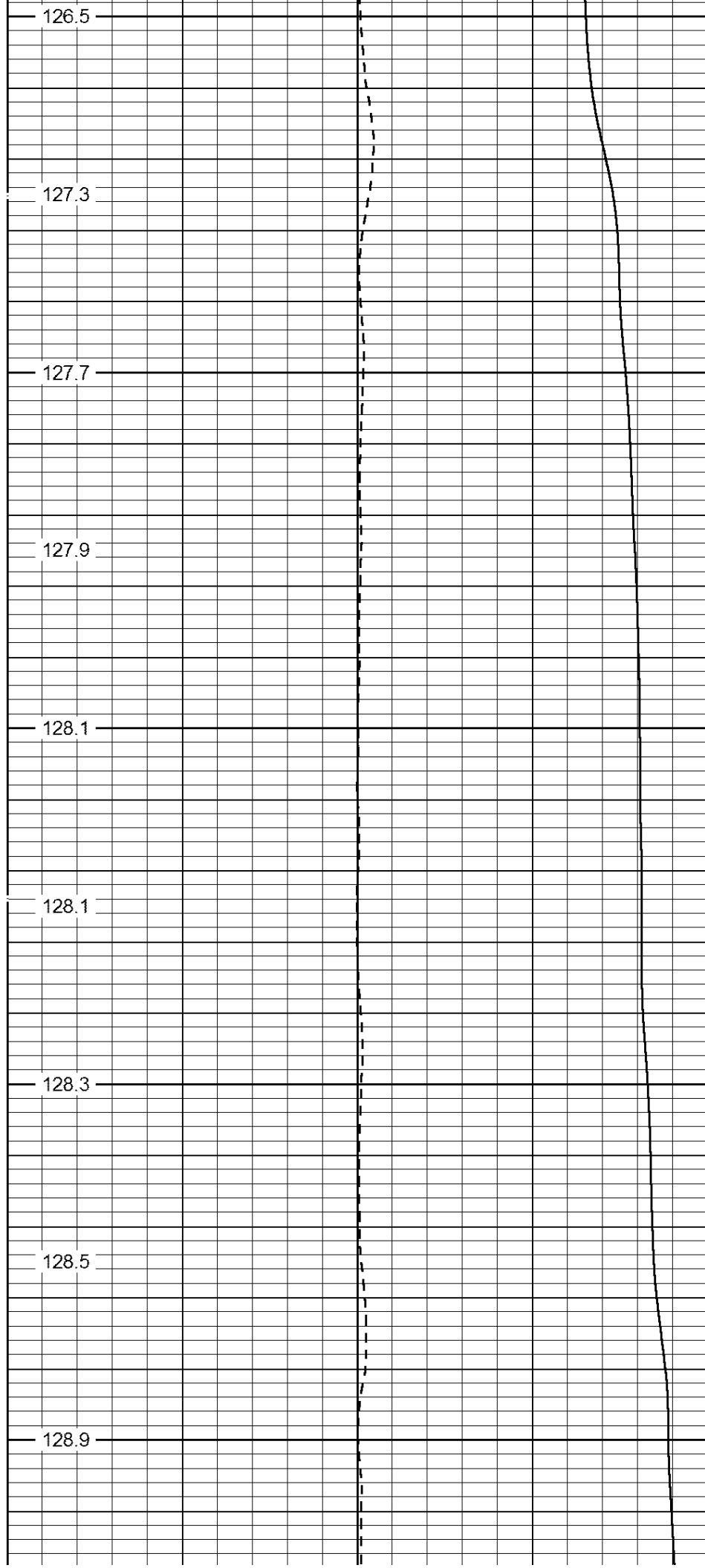
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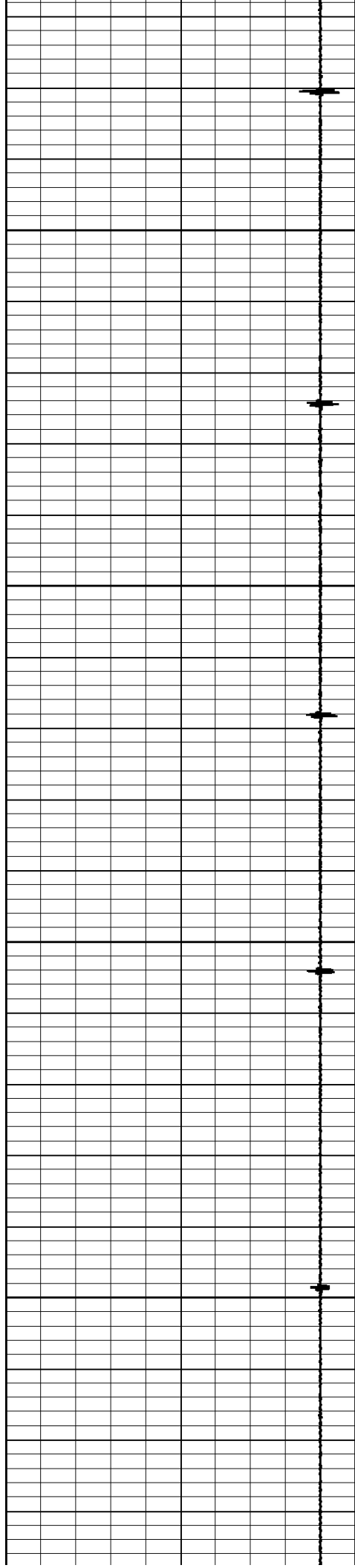




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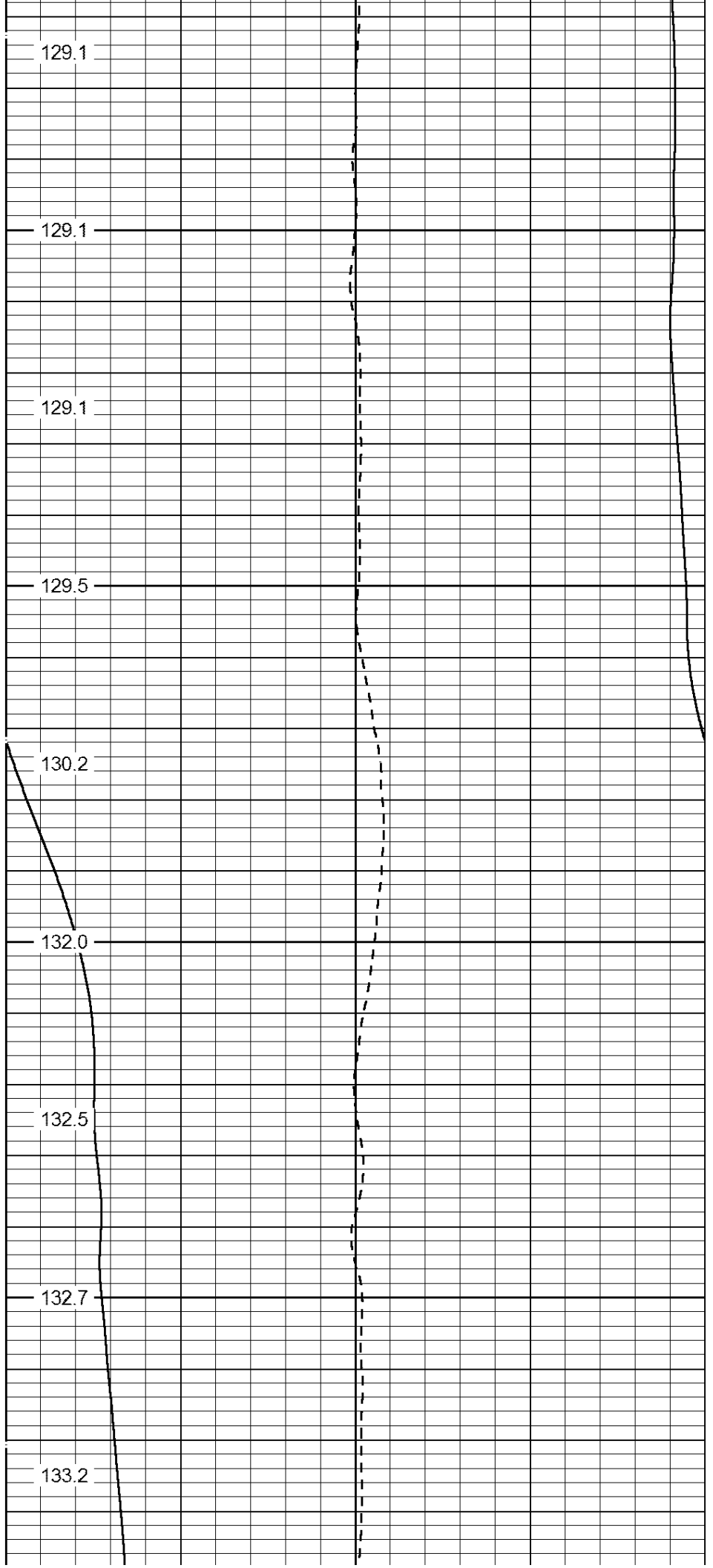
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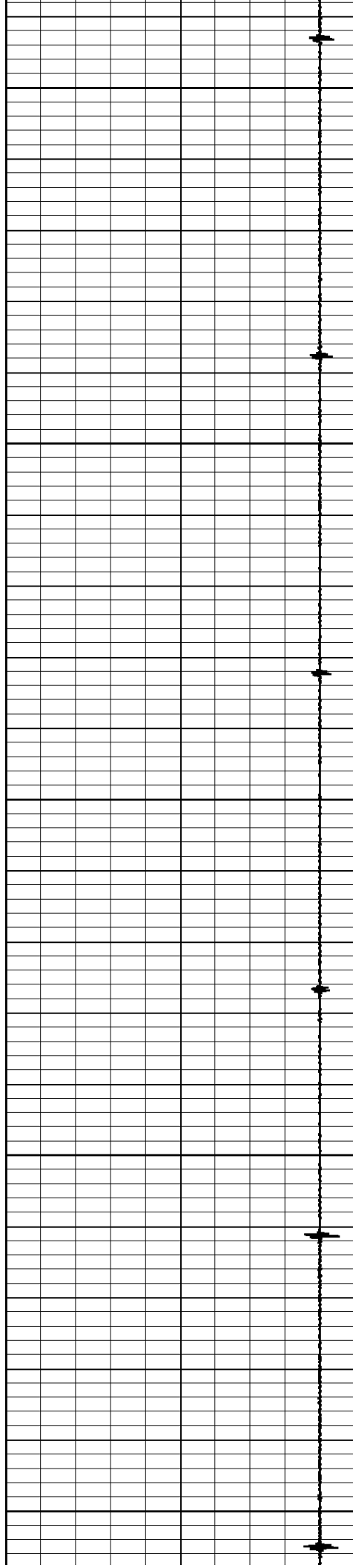




6300

6400





6500

6600

6700

133.5

133.9

134.2

134.7

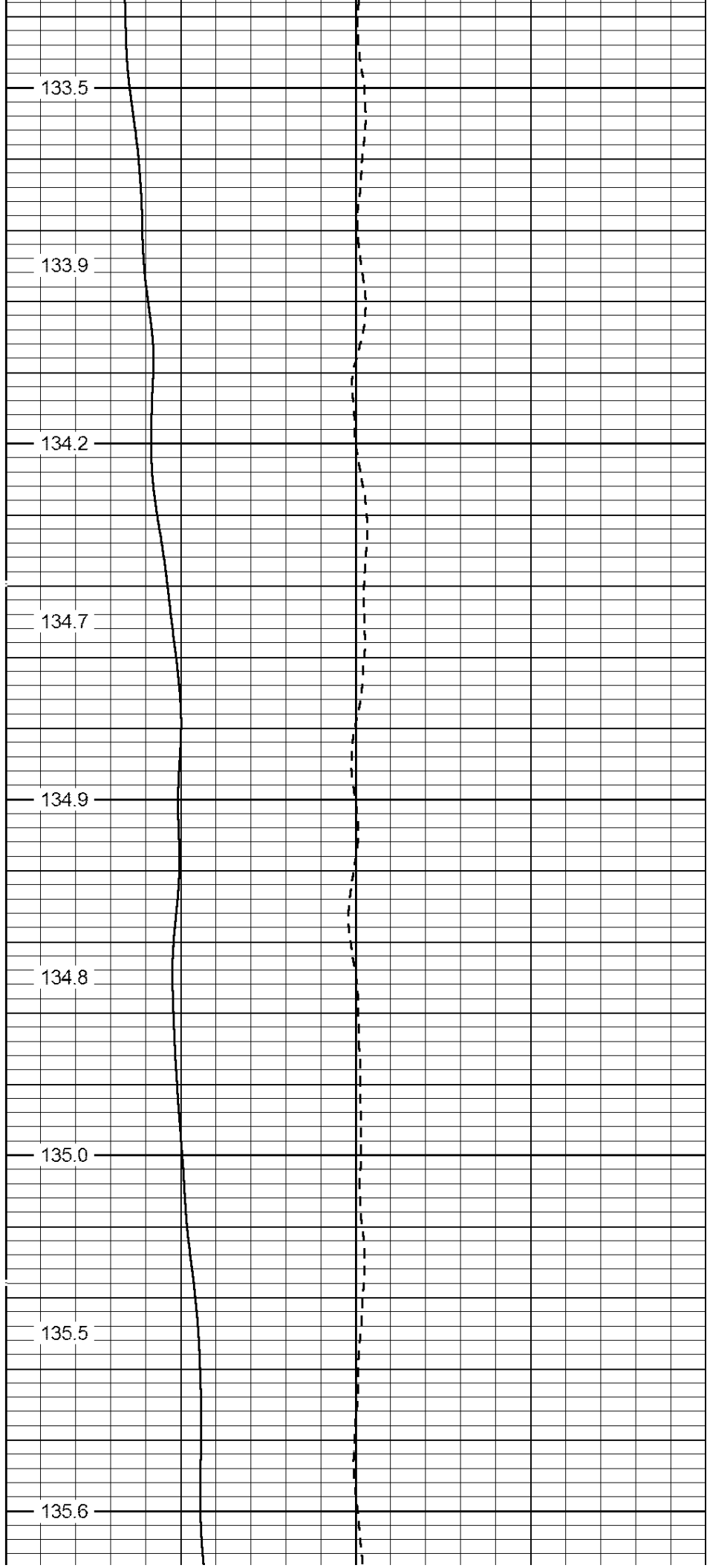
134.9

134.8

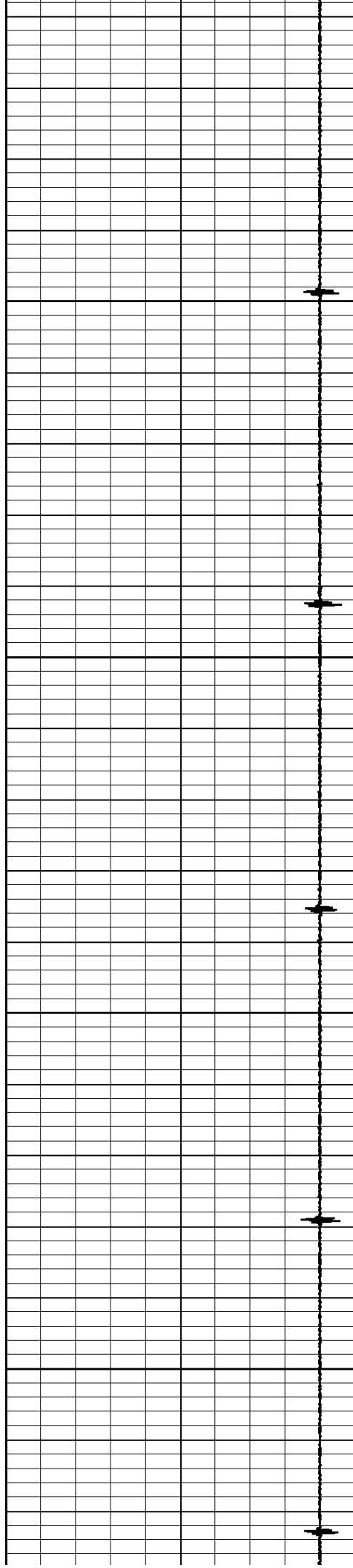
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135.5

135.6

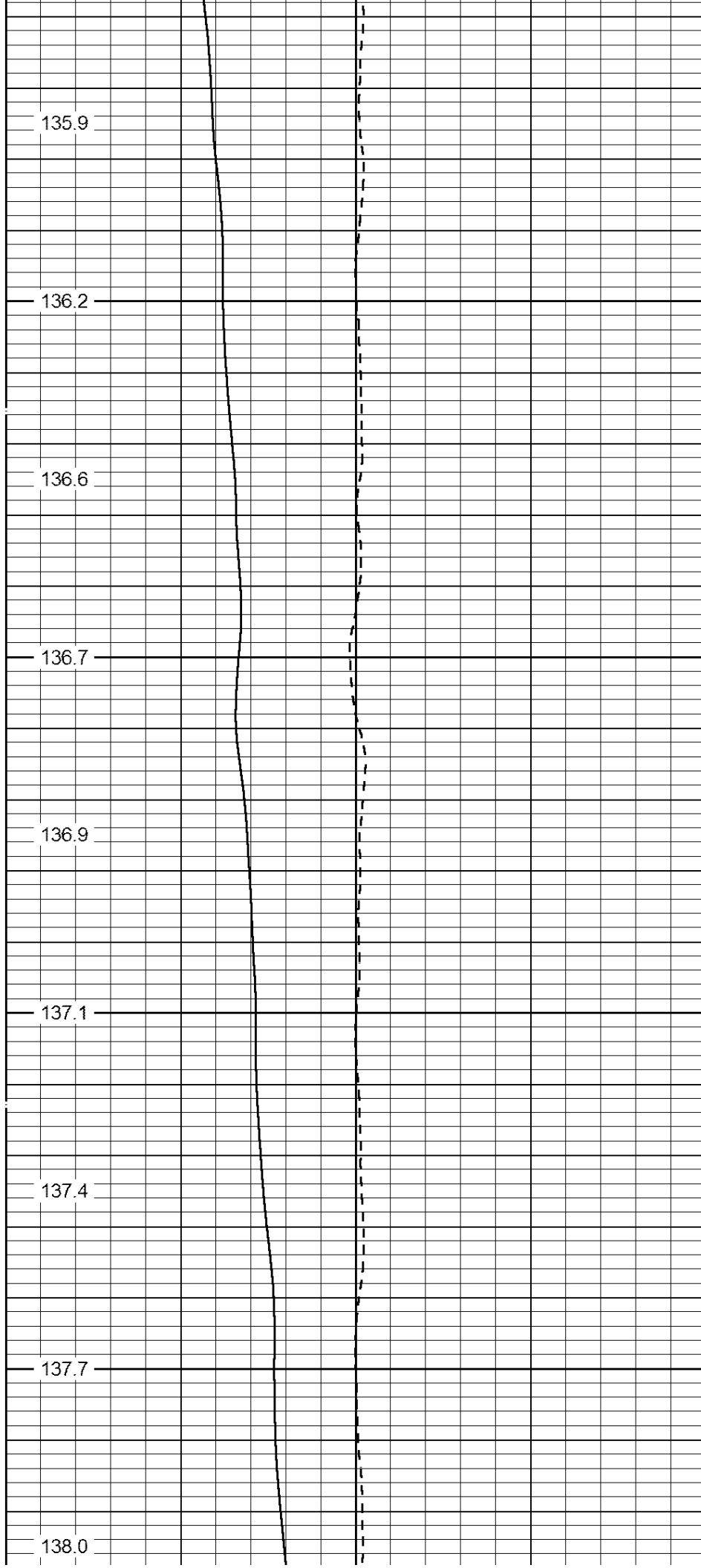






6800

6900



135.9

136.2

136.6

136.7

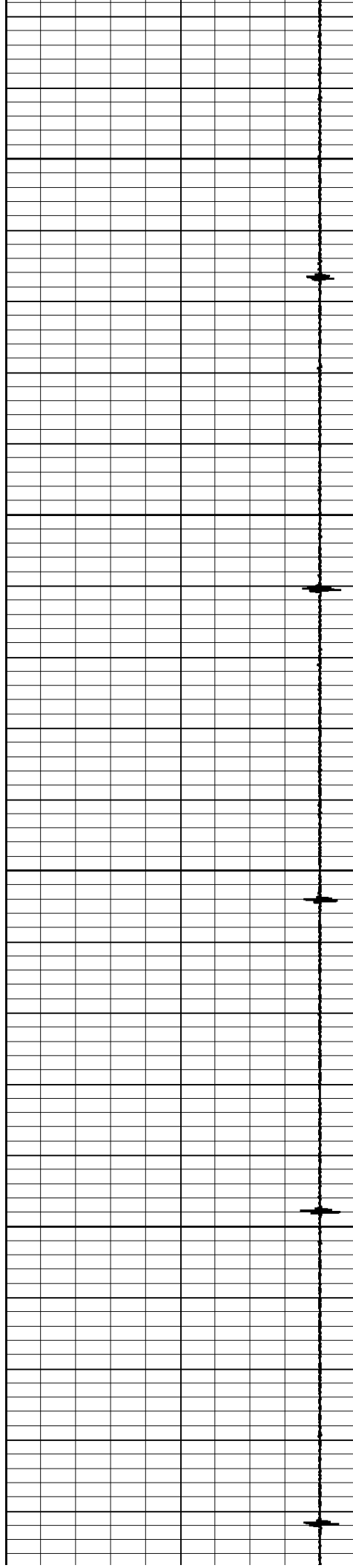
136.9

137.1

137.4

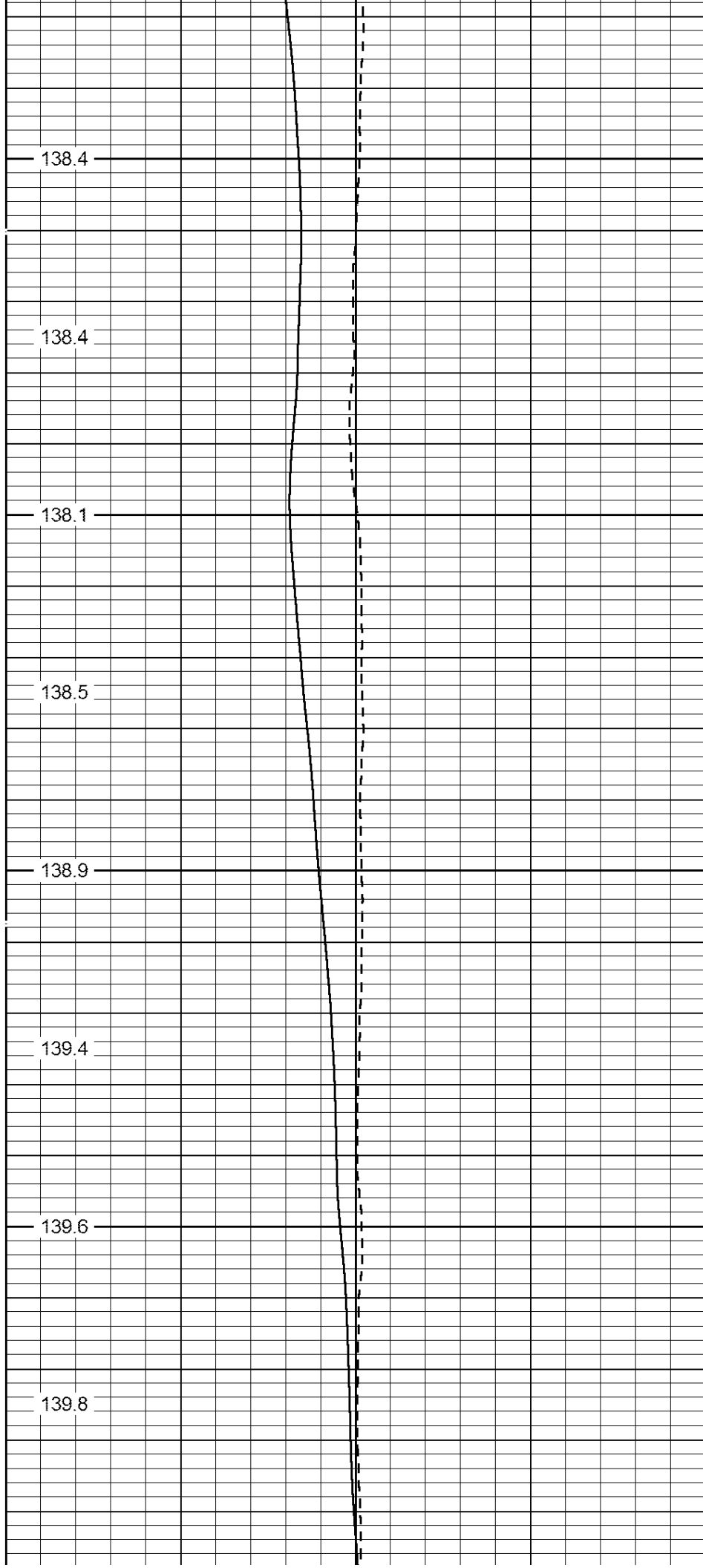
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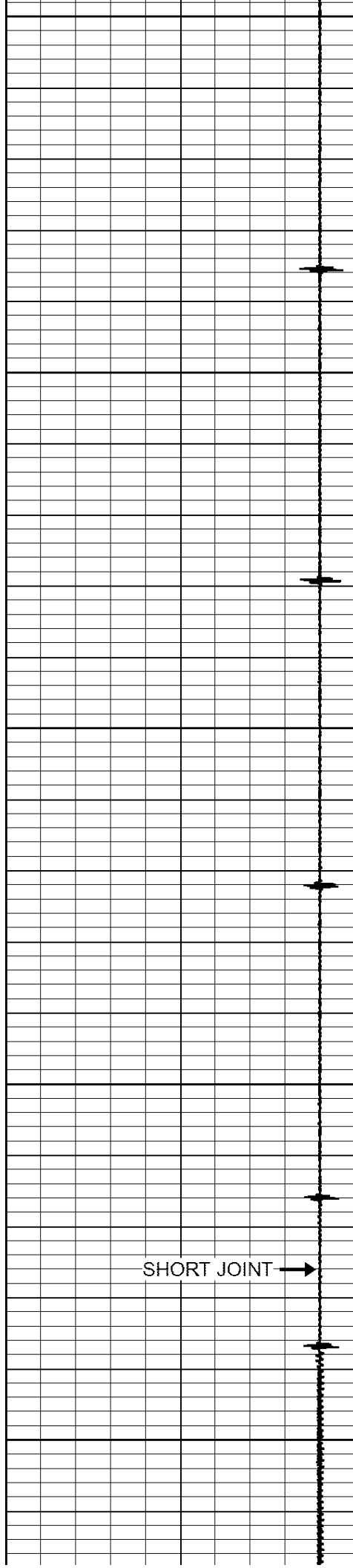
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7000

7100

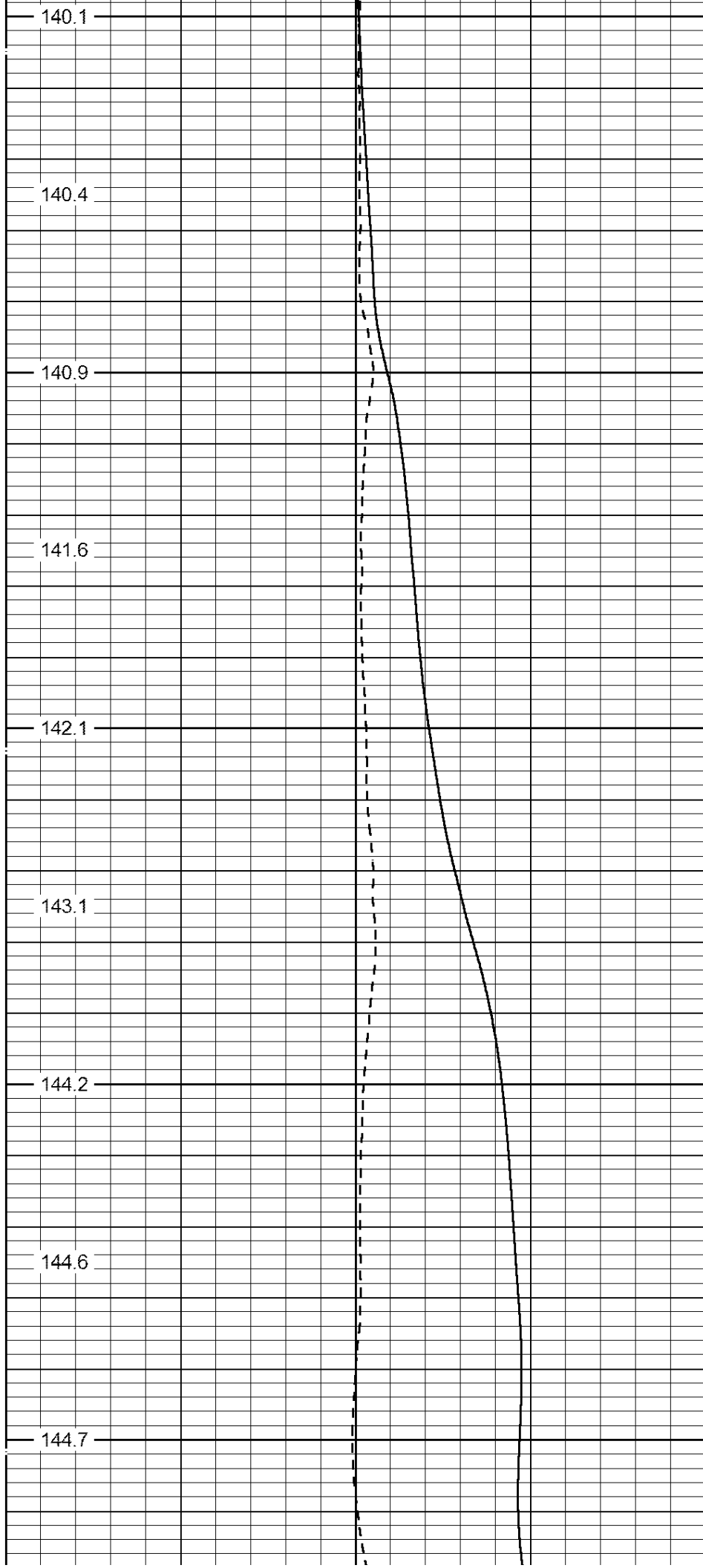


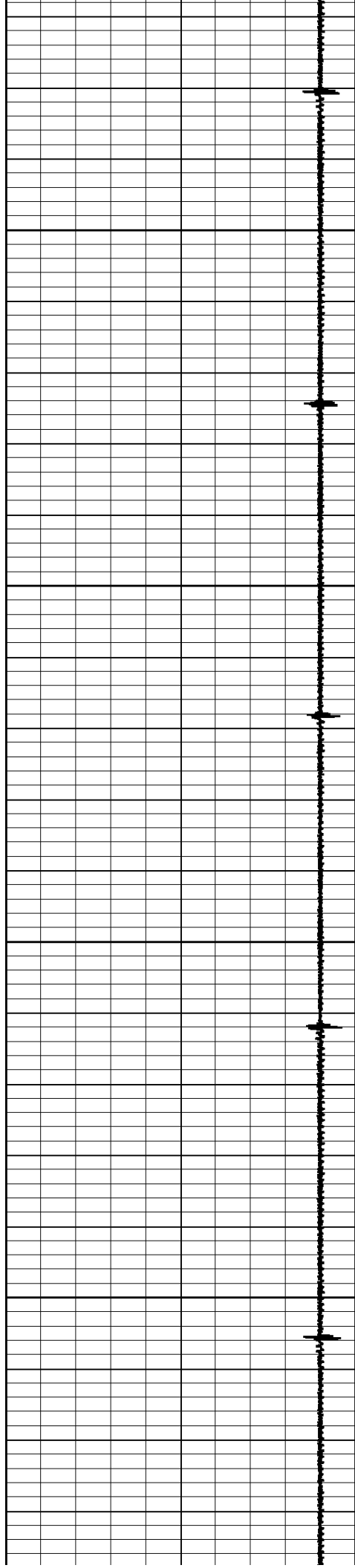


7200

7300

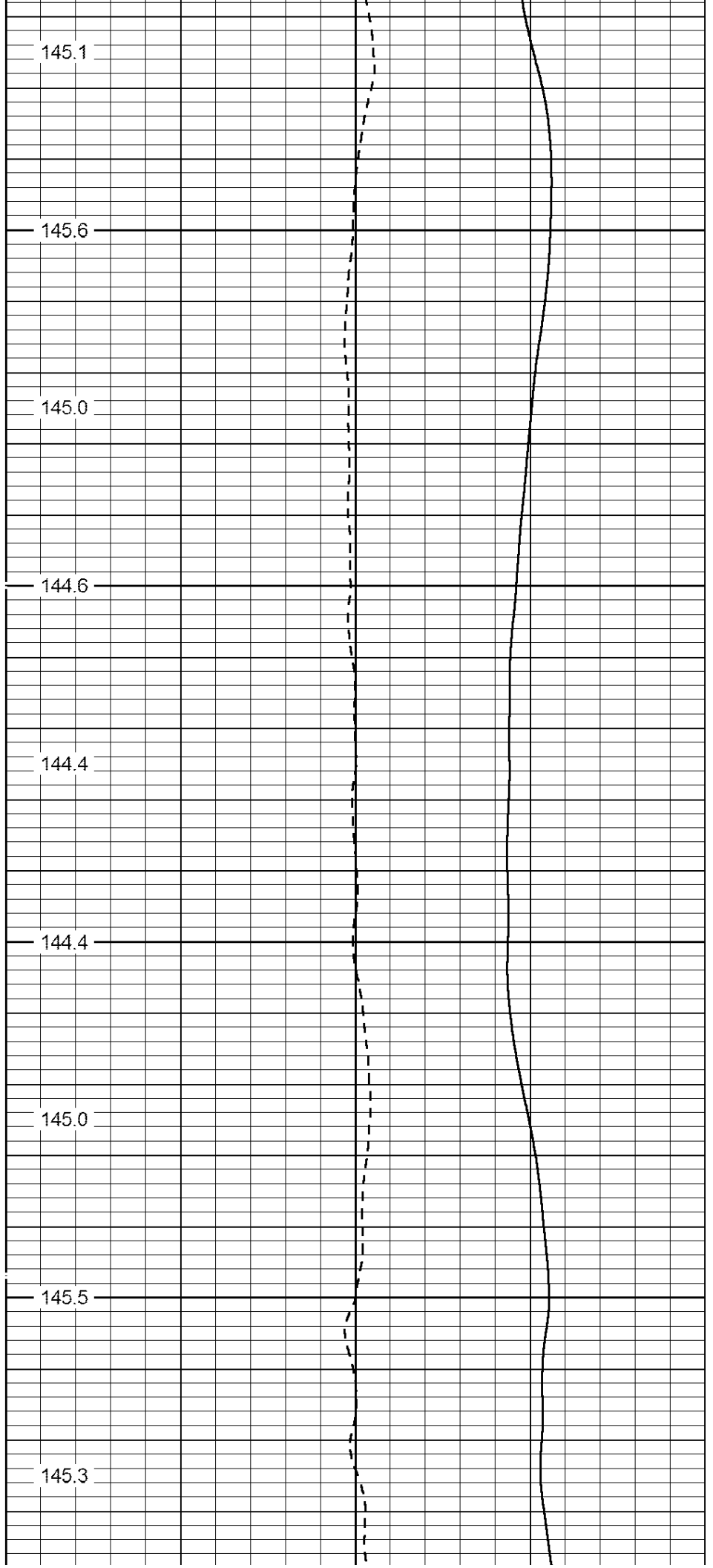
SHORT JOINT →





7400

7500



145.1

145.6

145.0

144.6

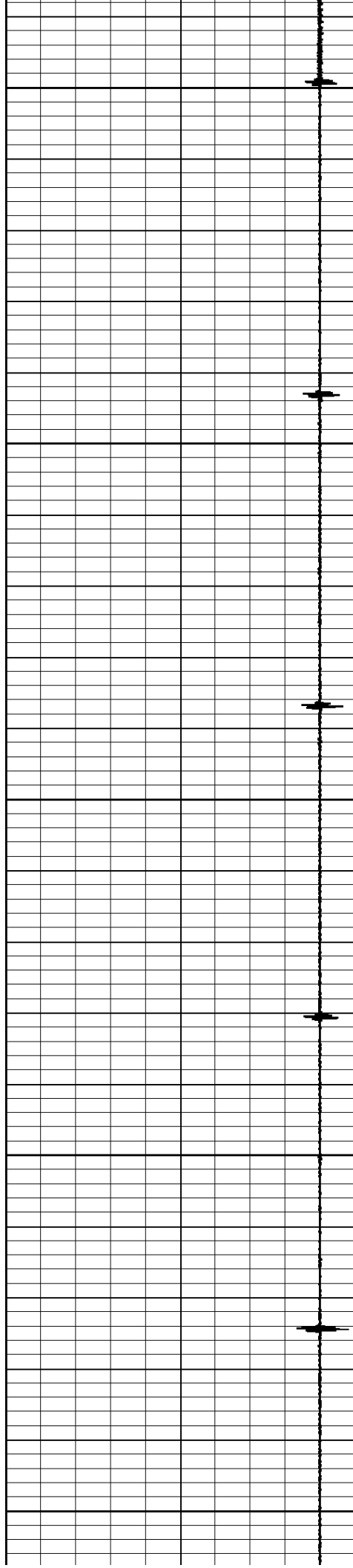
144.4

144.4

145.0

145.5

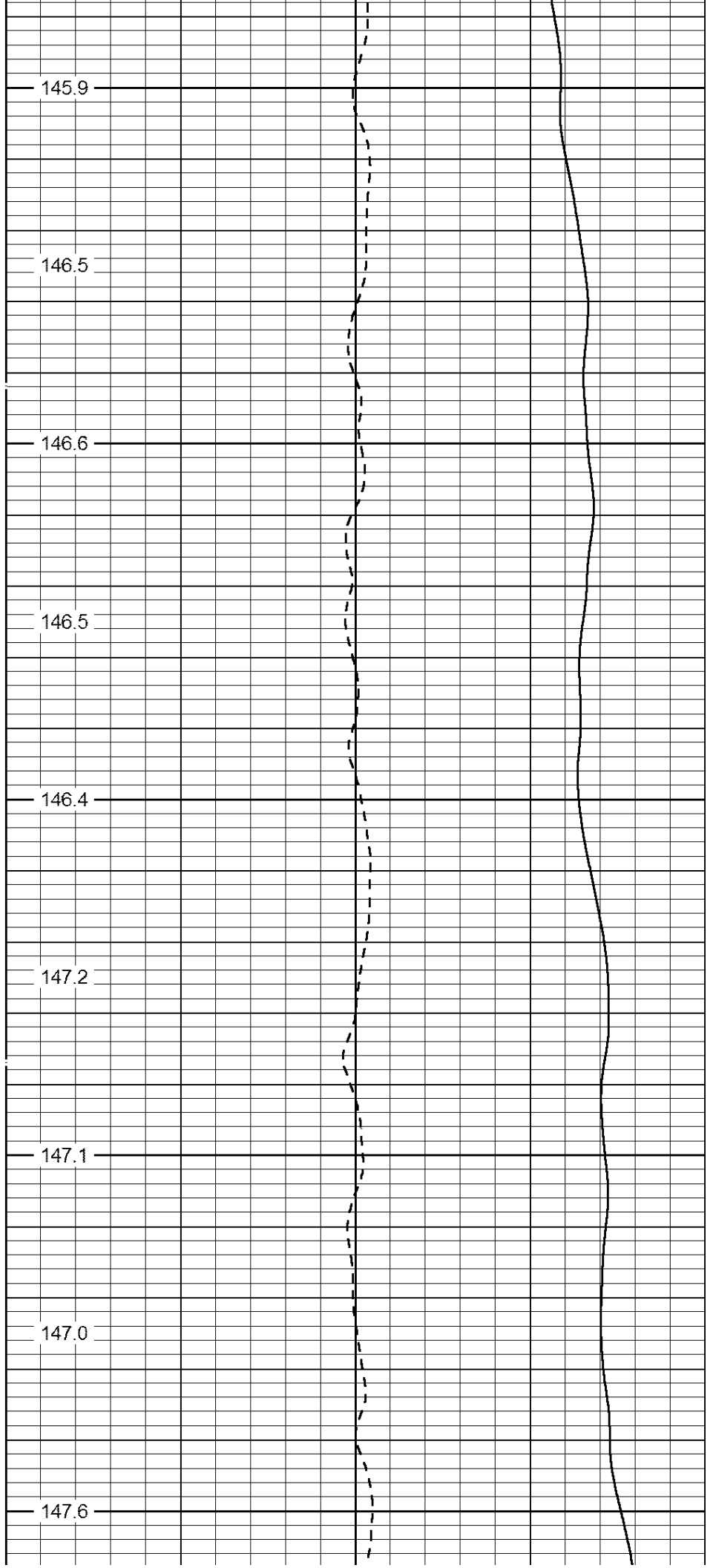
145.3



7600

7700

7800



145.9

146.5

146.6

146.5

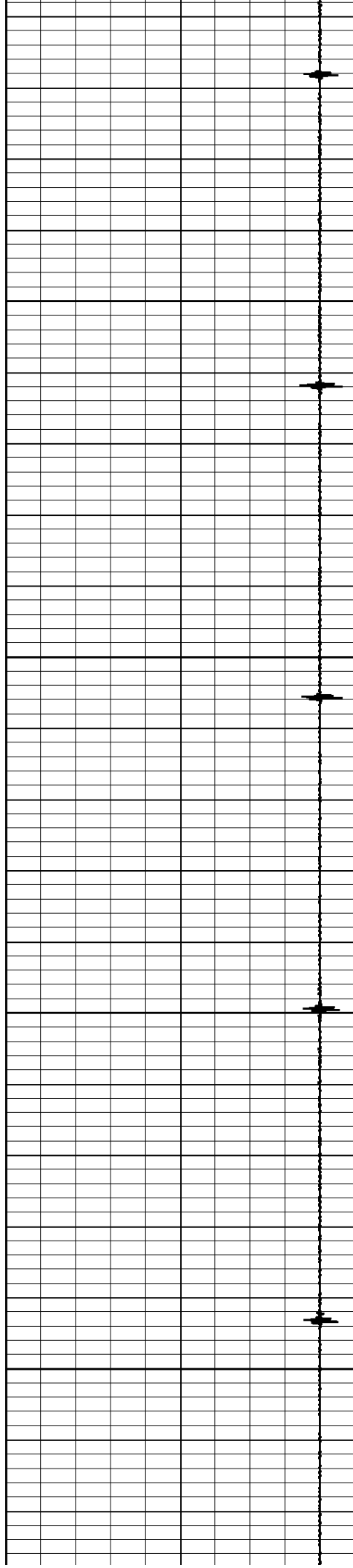
146.4

147.2

147.1

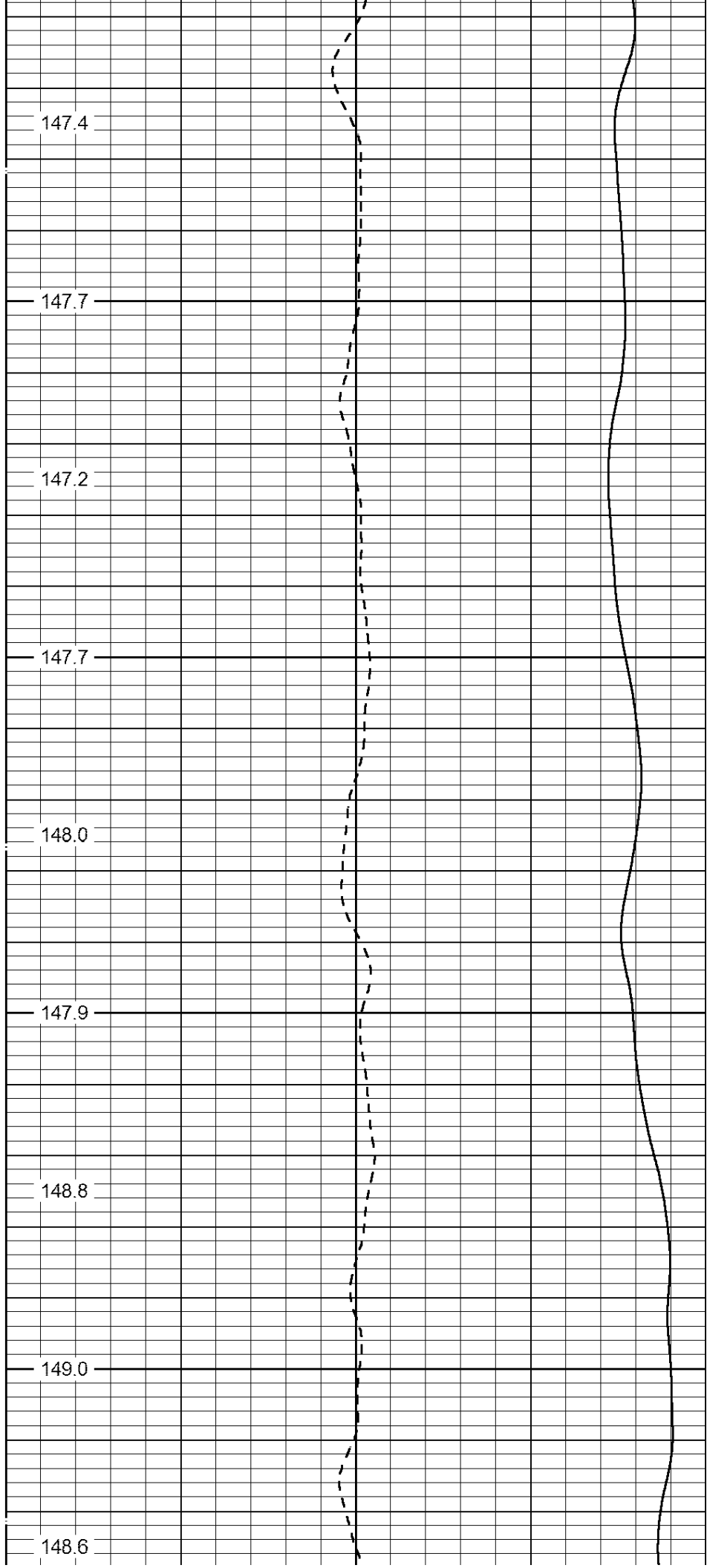
147.0

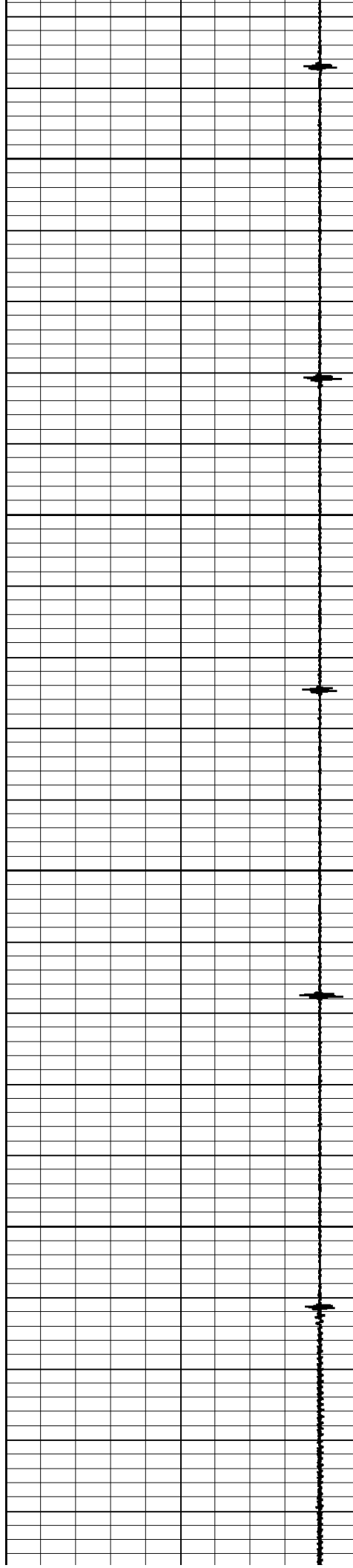
147.6



7900

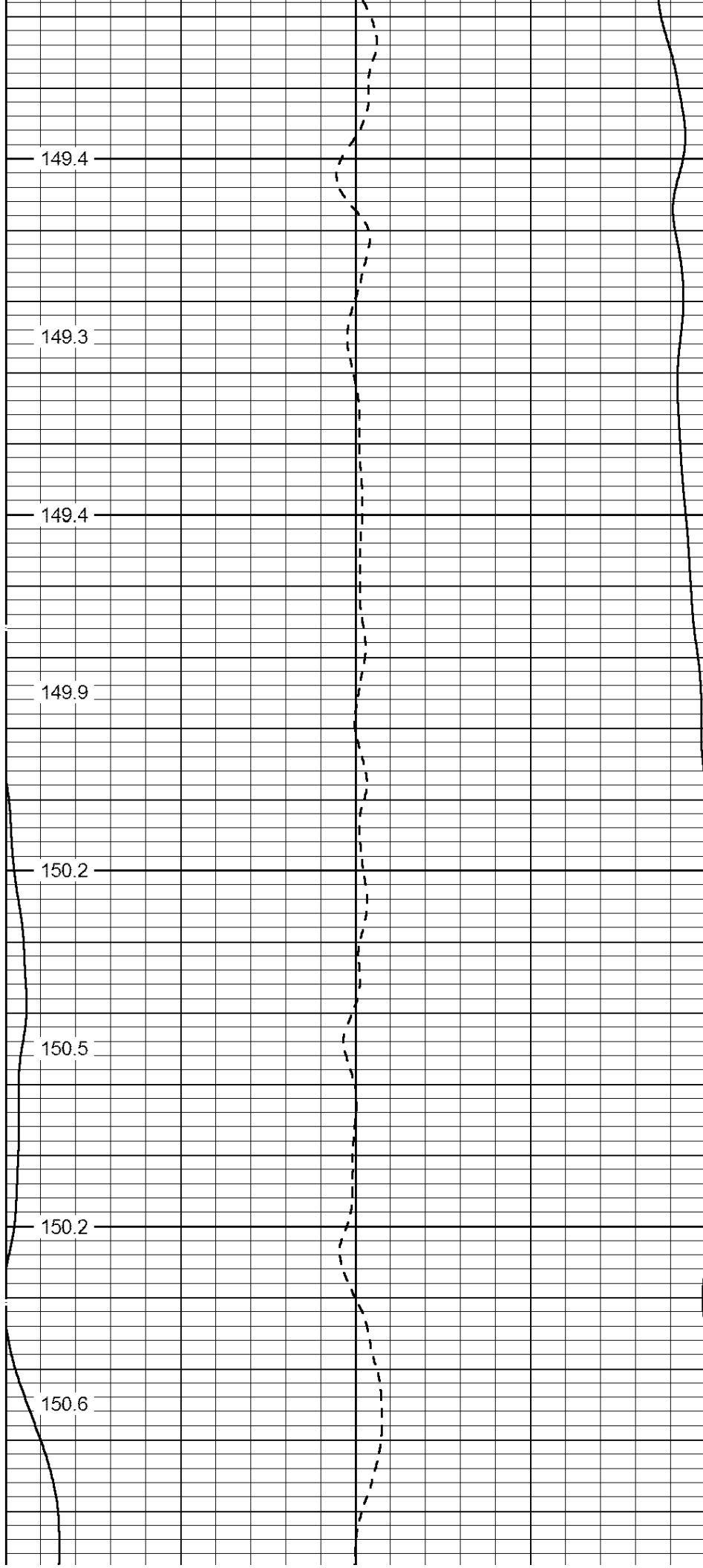
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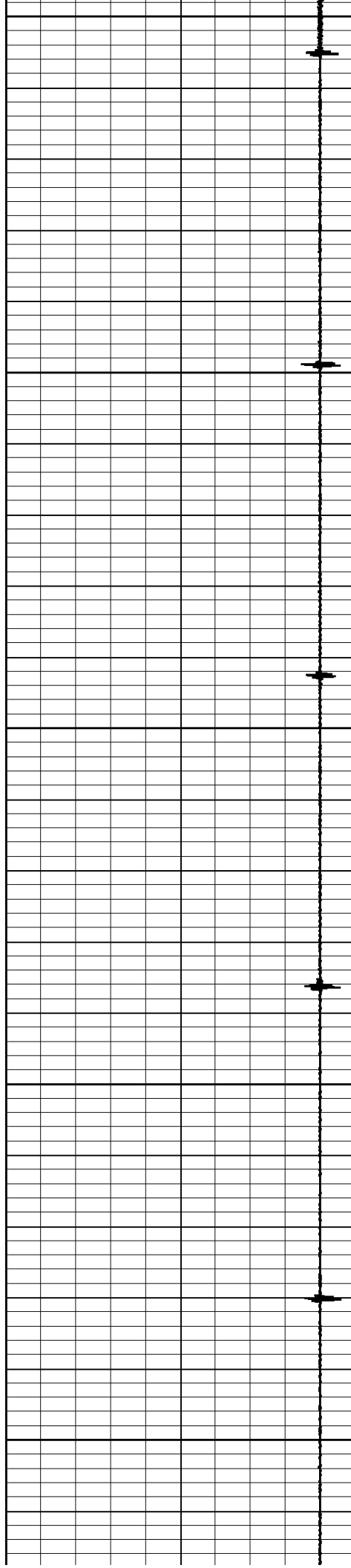




8100

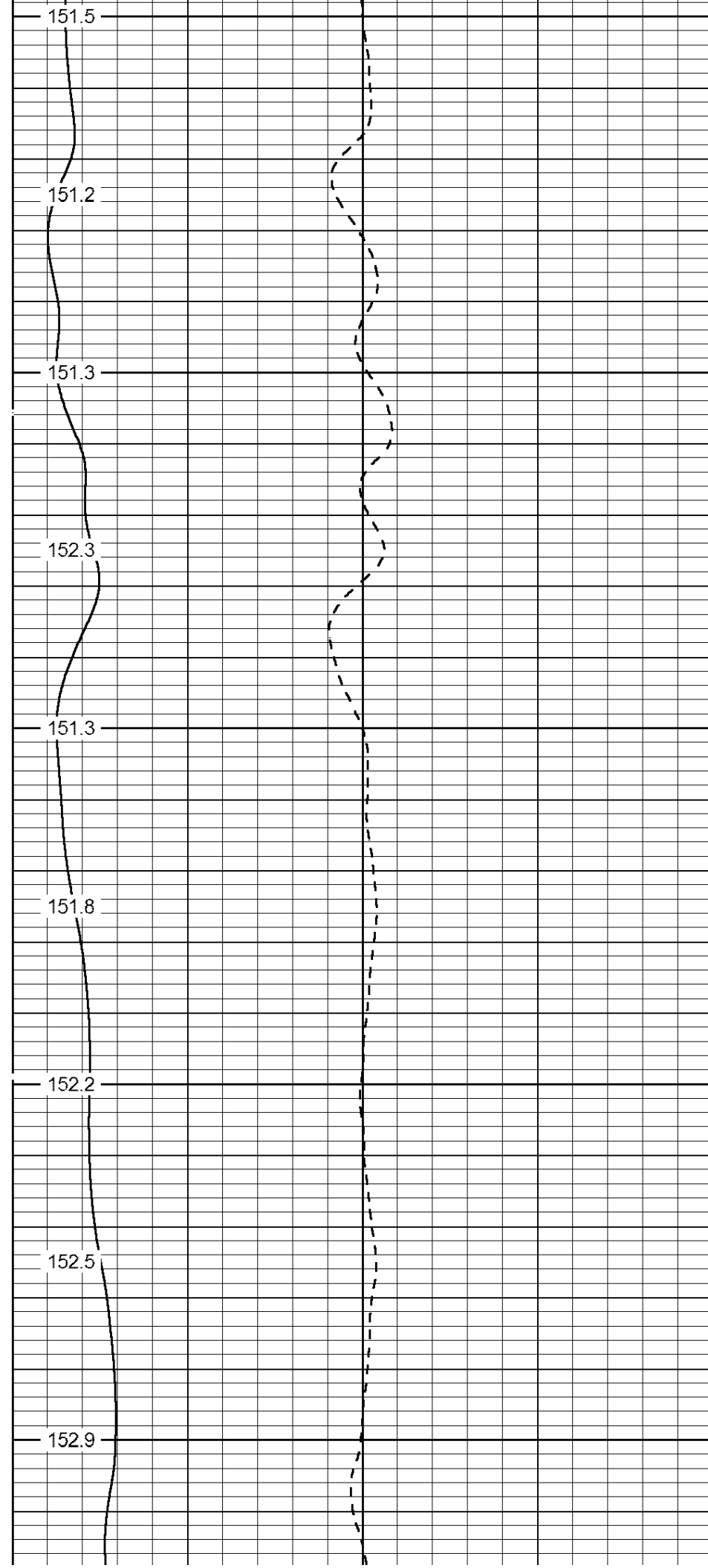
8200



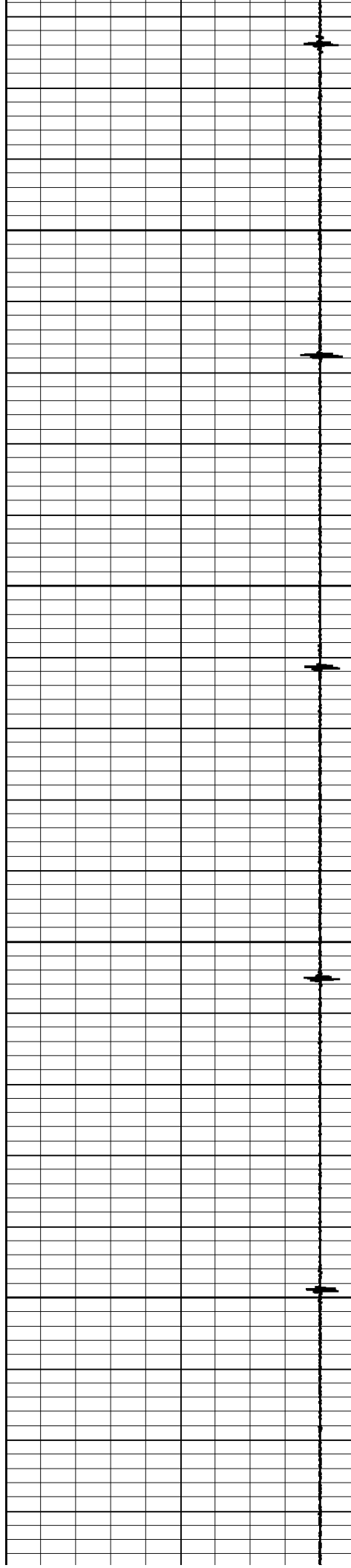


8300

8400

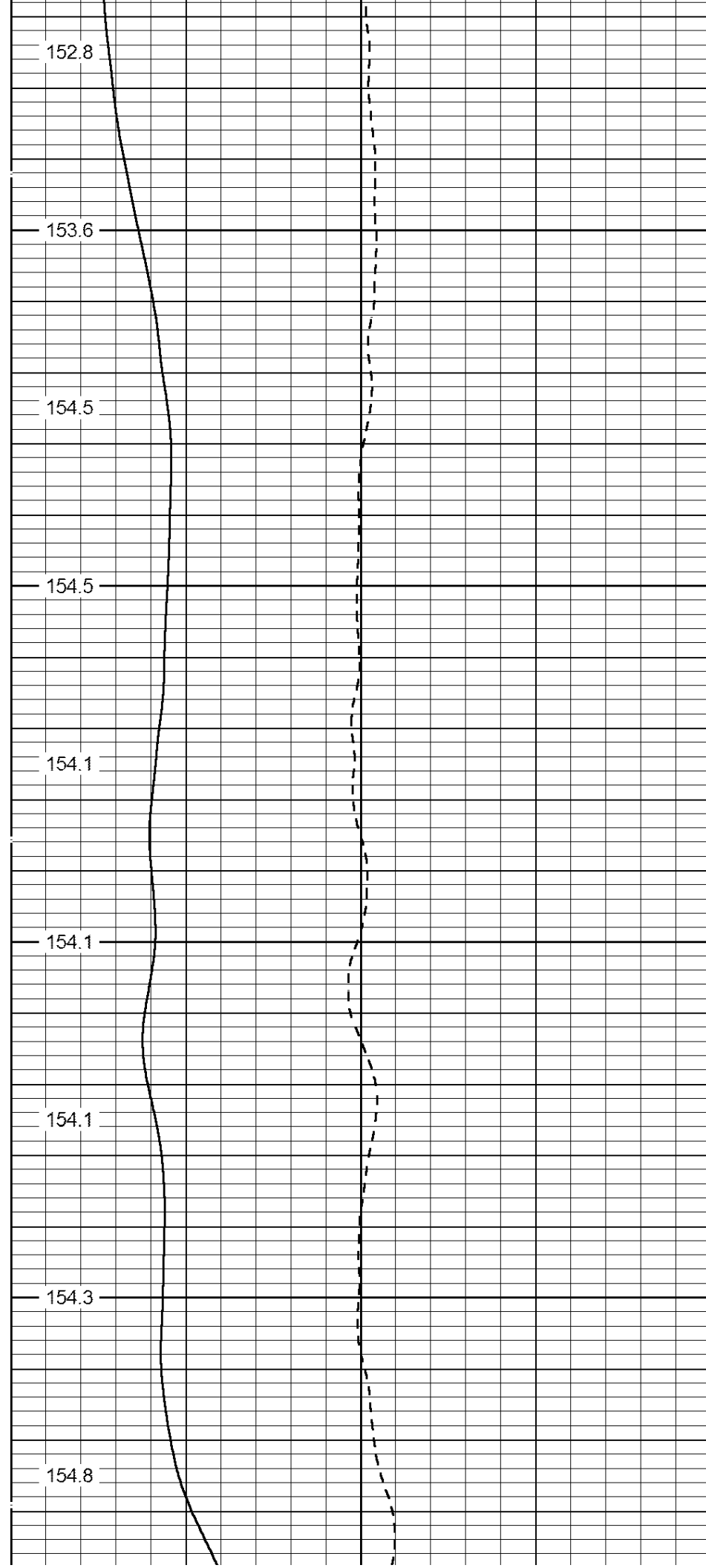


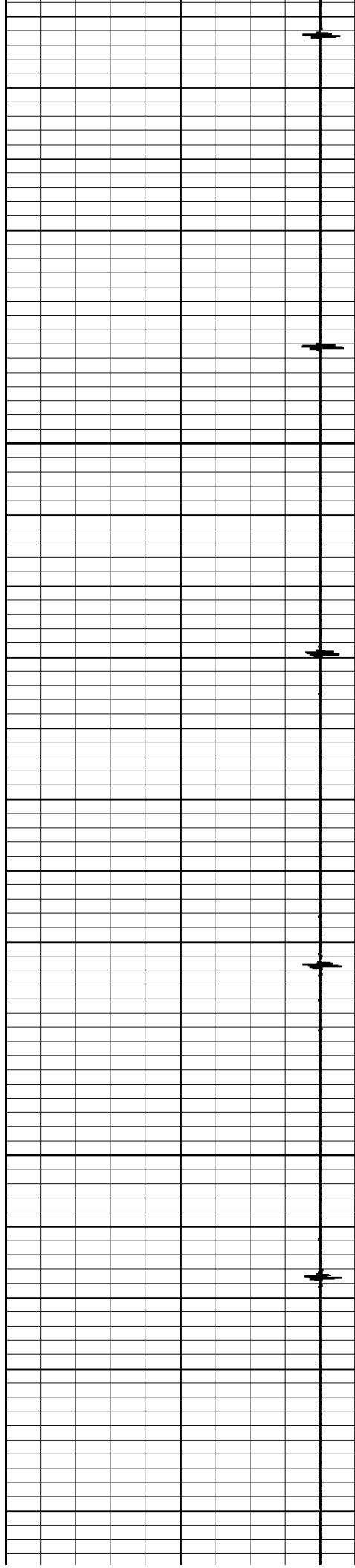




8500

8600

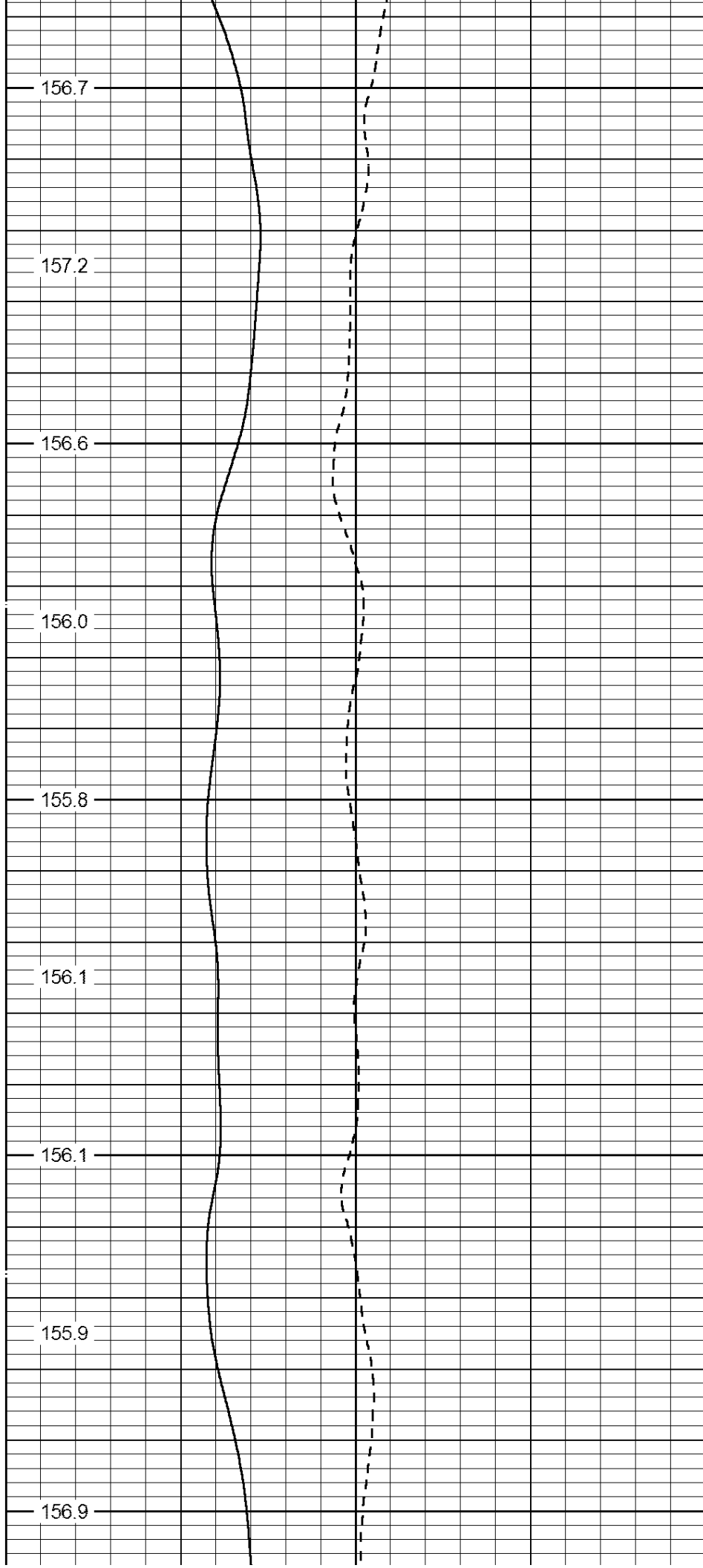


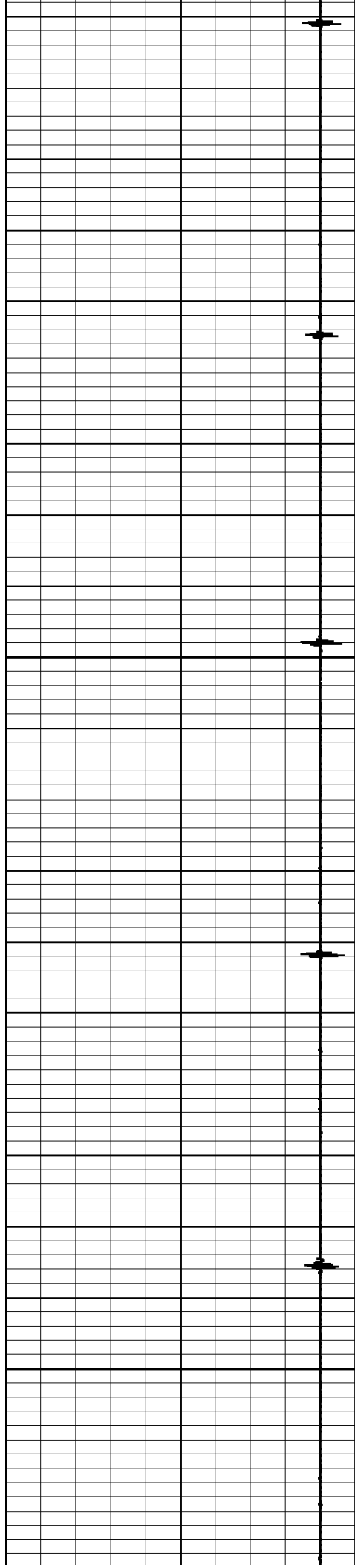


8700

8800

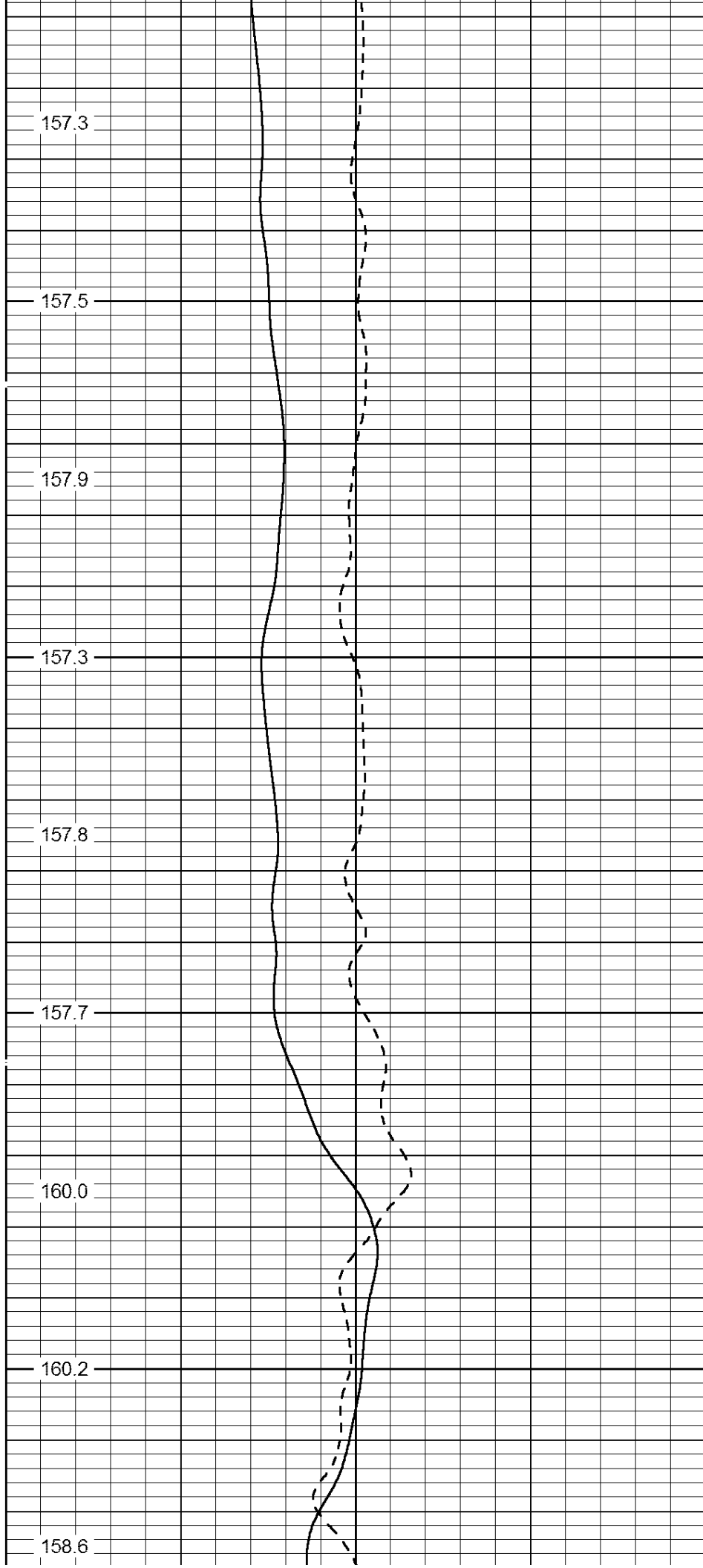
8900

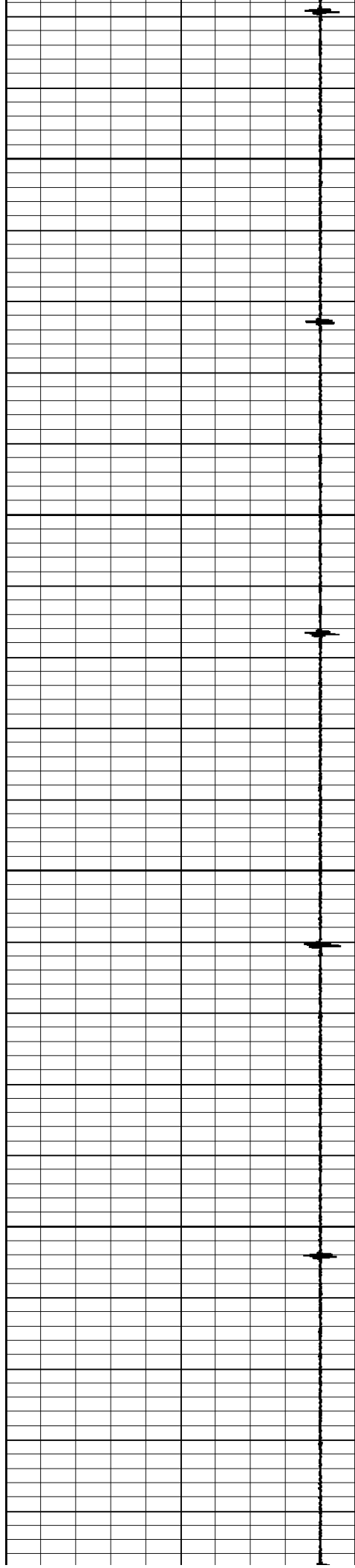




9000

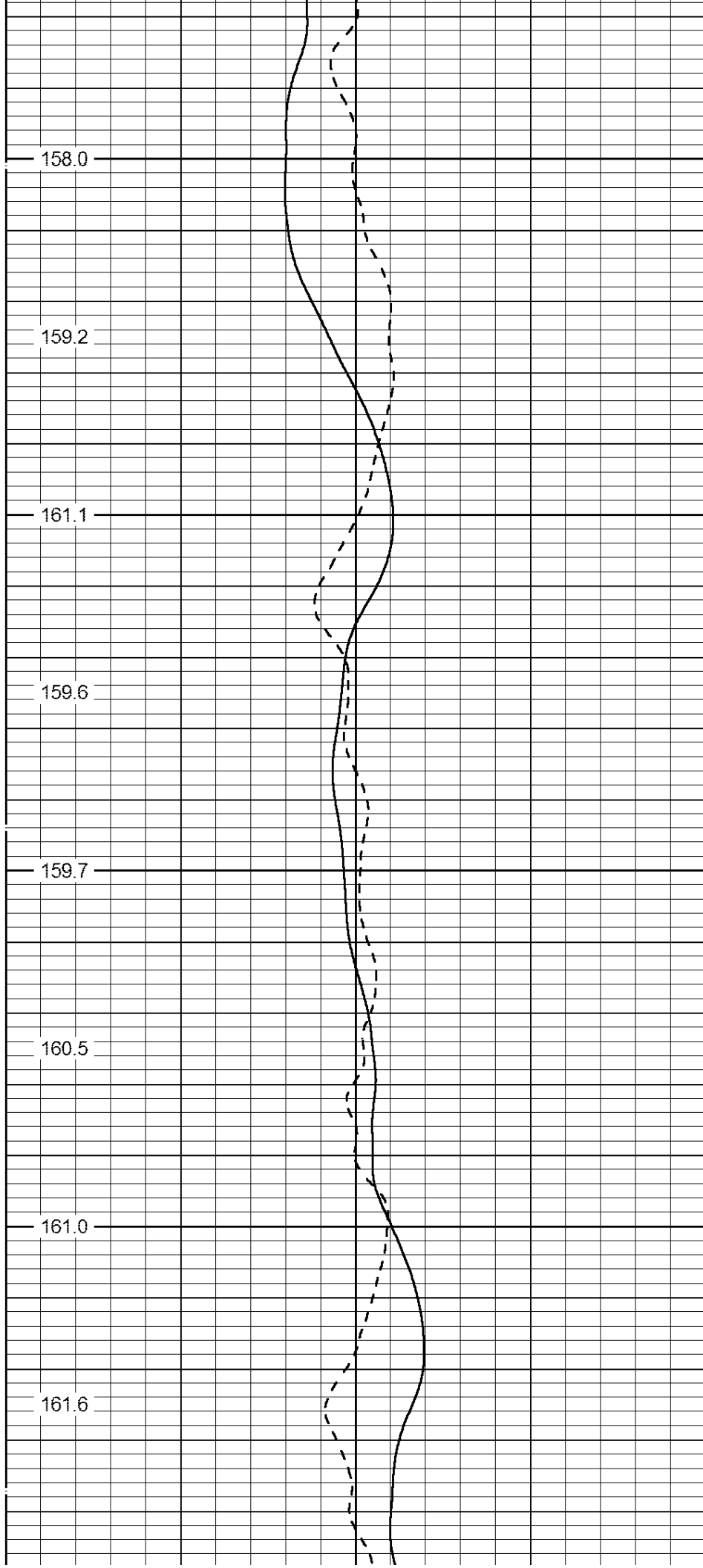
9100

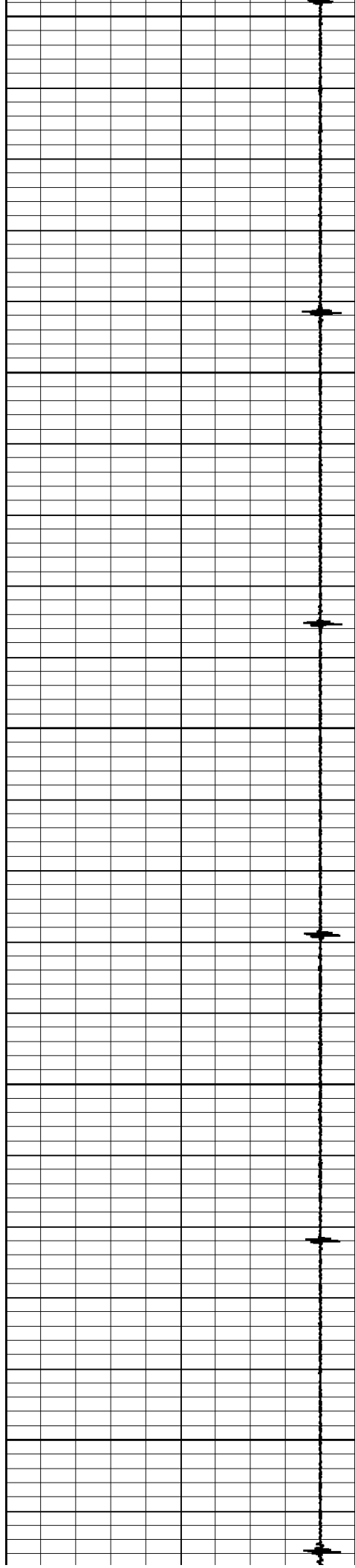




9200

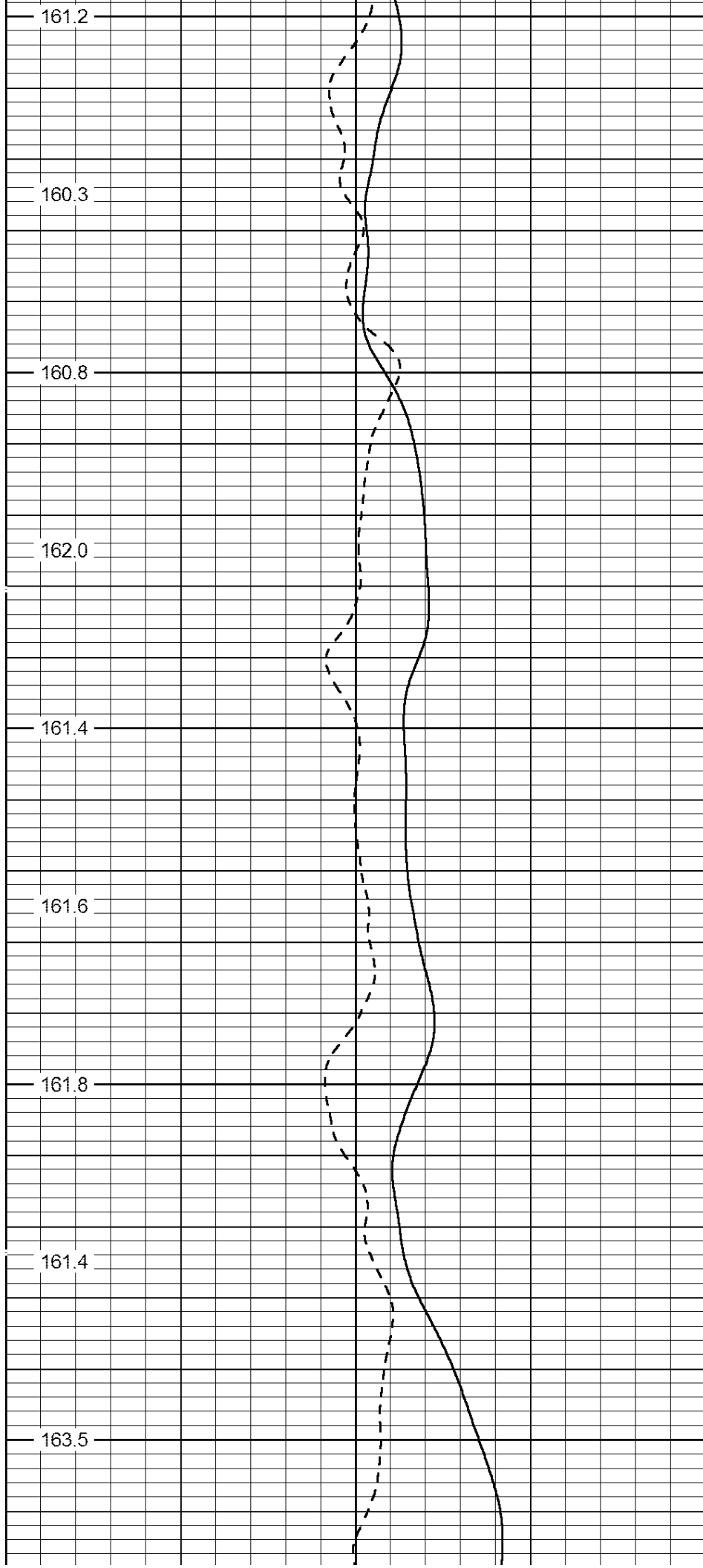
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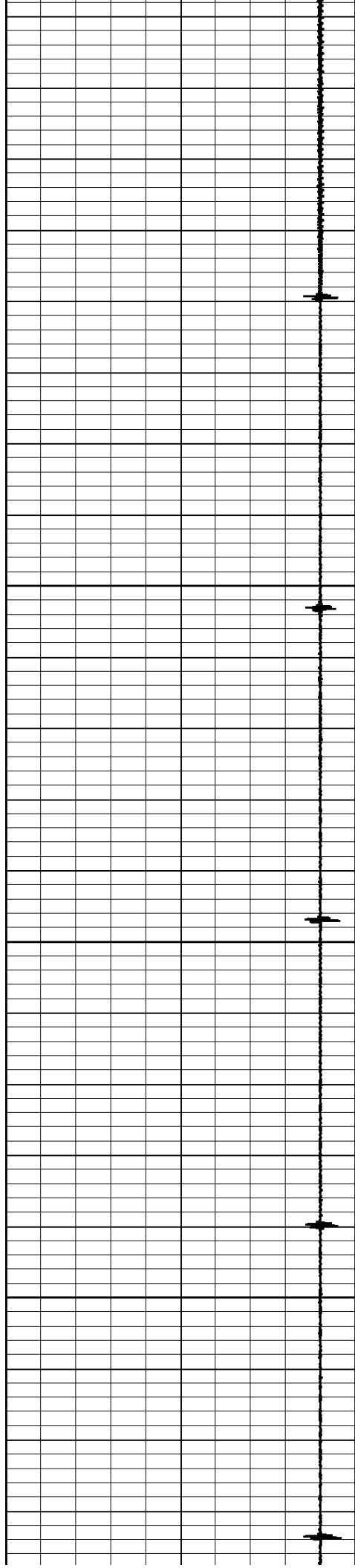




9400

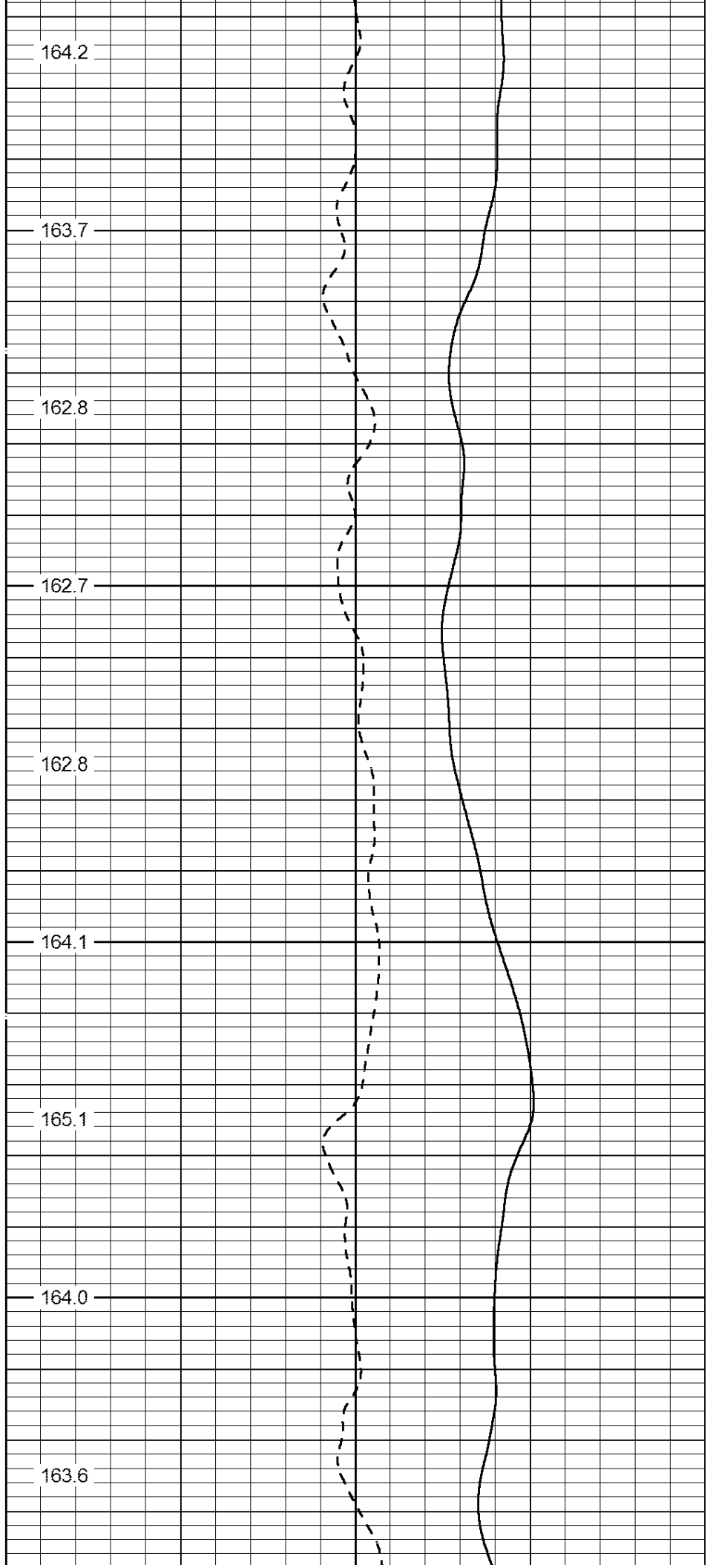
9500

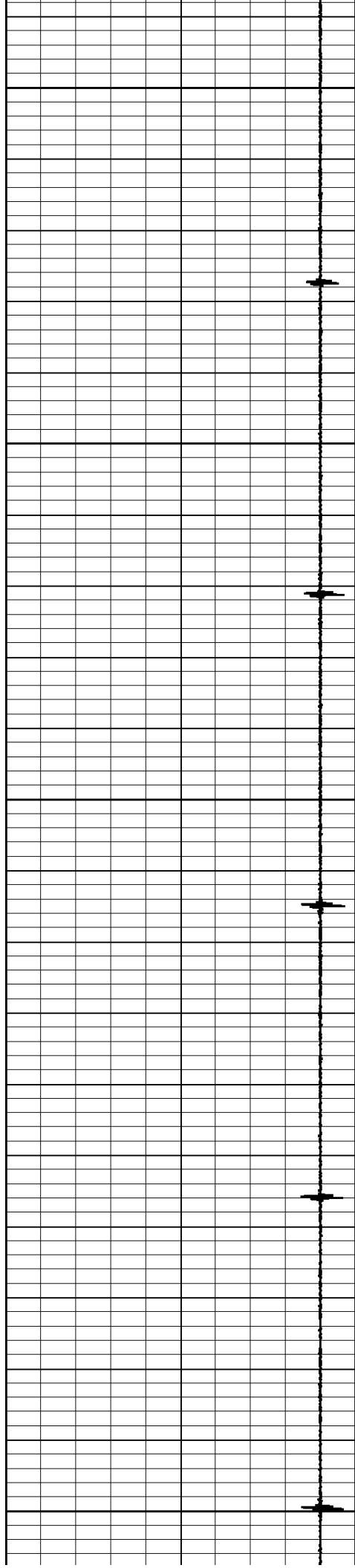




9600

9700





9800

164.6

164.8

164.9

164.7

9900

164.8

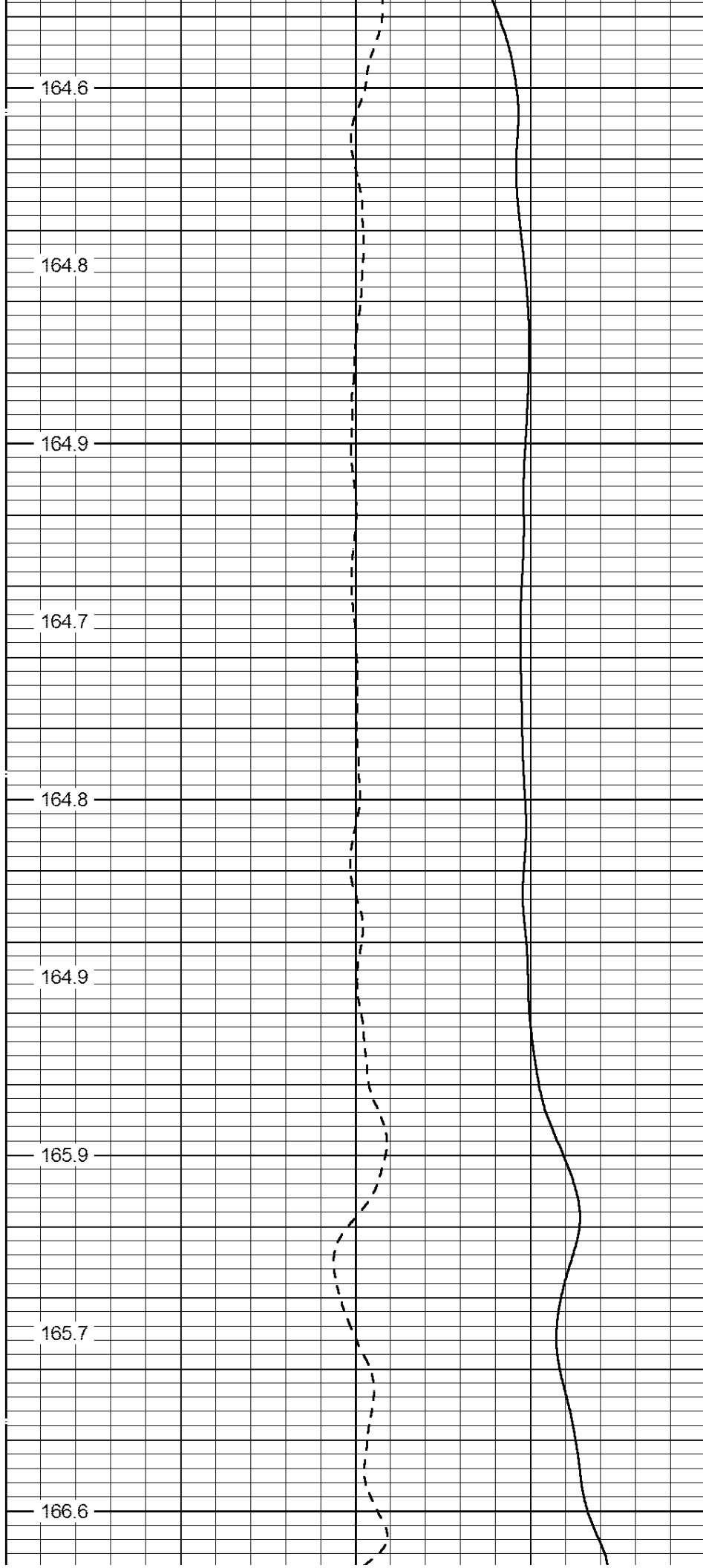
164.9

165.9

165.7

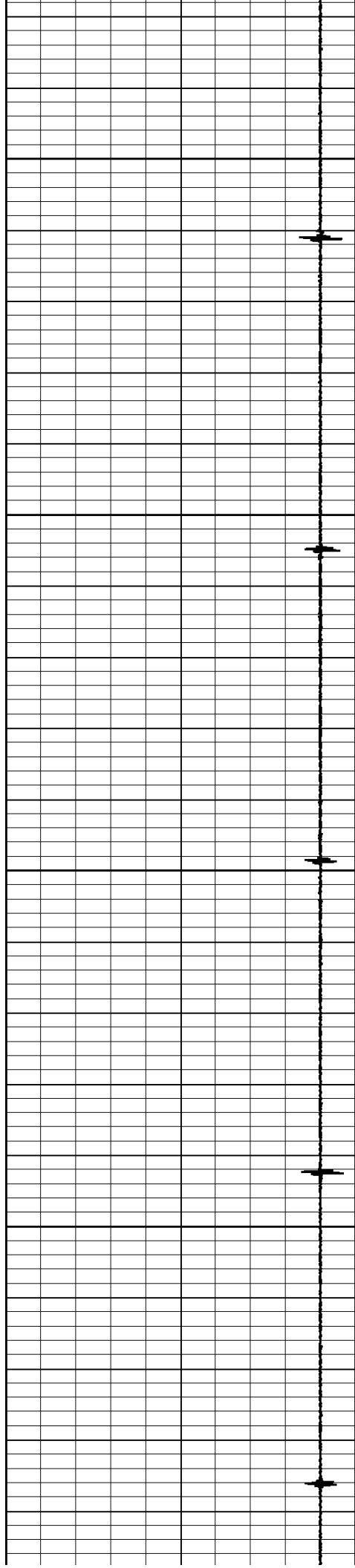
10000

166.6



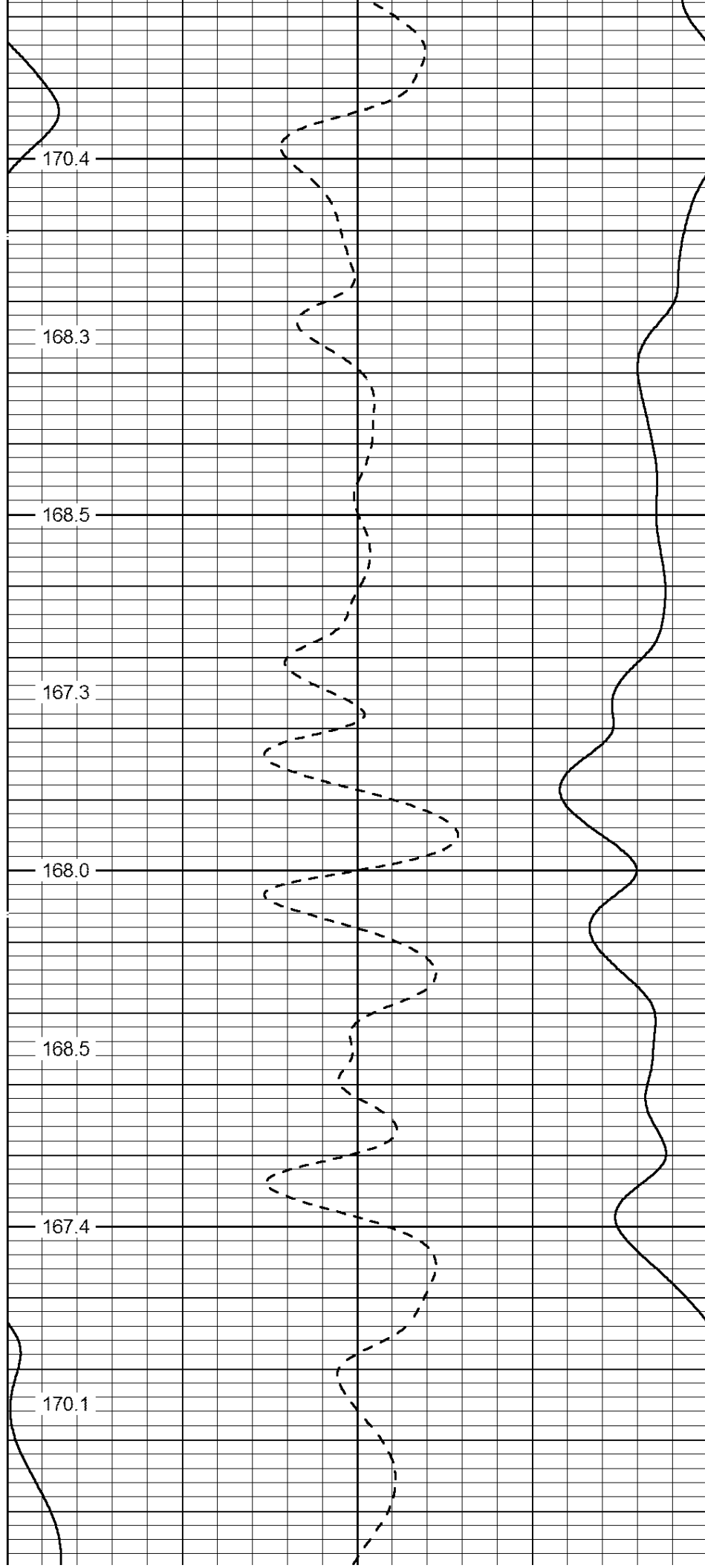


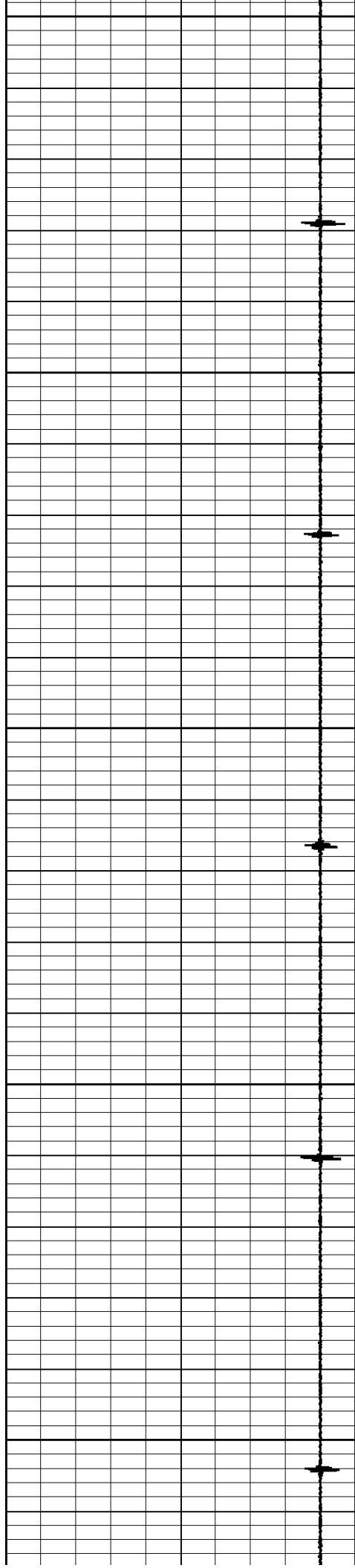




10300

10400





10500

10600

171.5

170.6

170.4

165.5

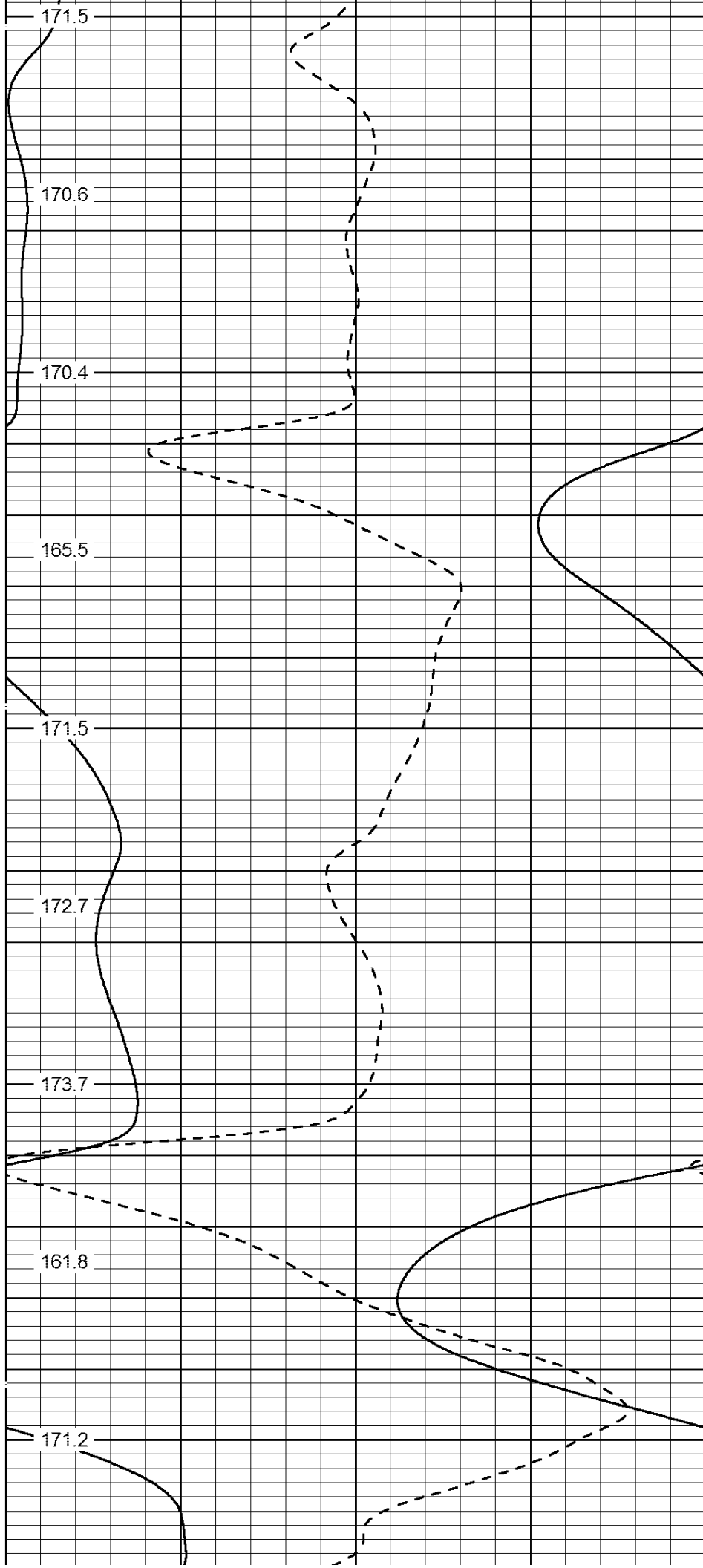
171.5

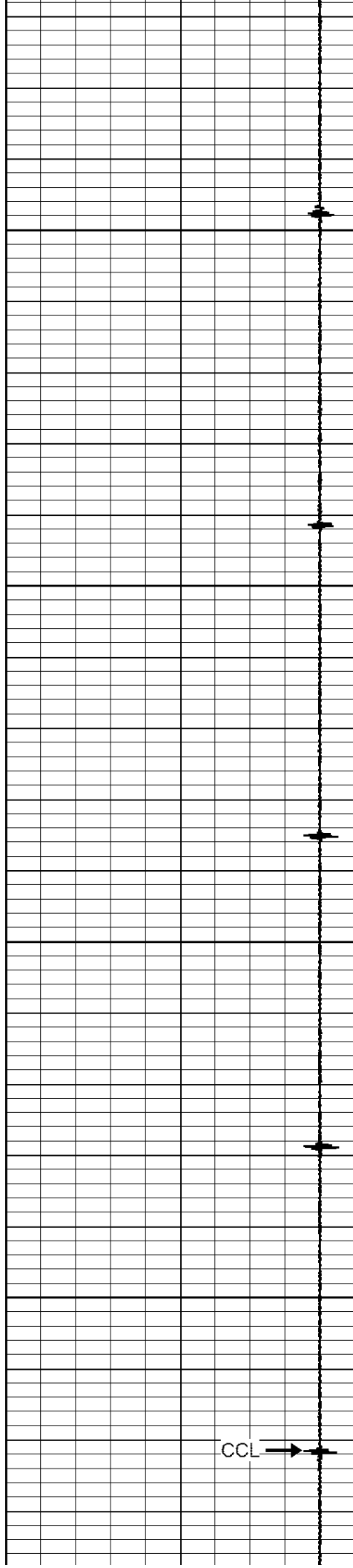
172.7

173.7

161.8

171.2





10700

10800

CCL →

174.4

175.9

166.0

174.9

171.4

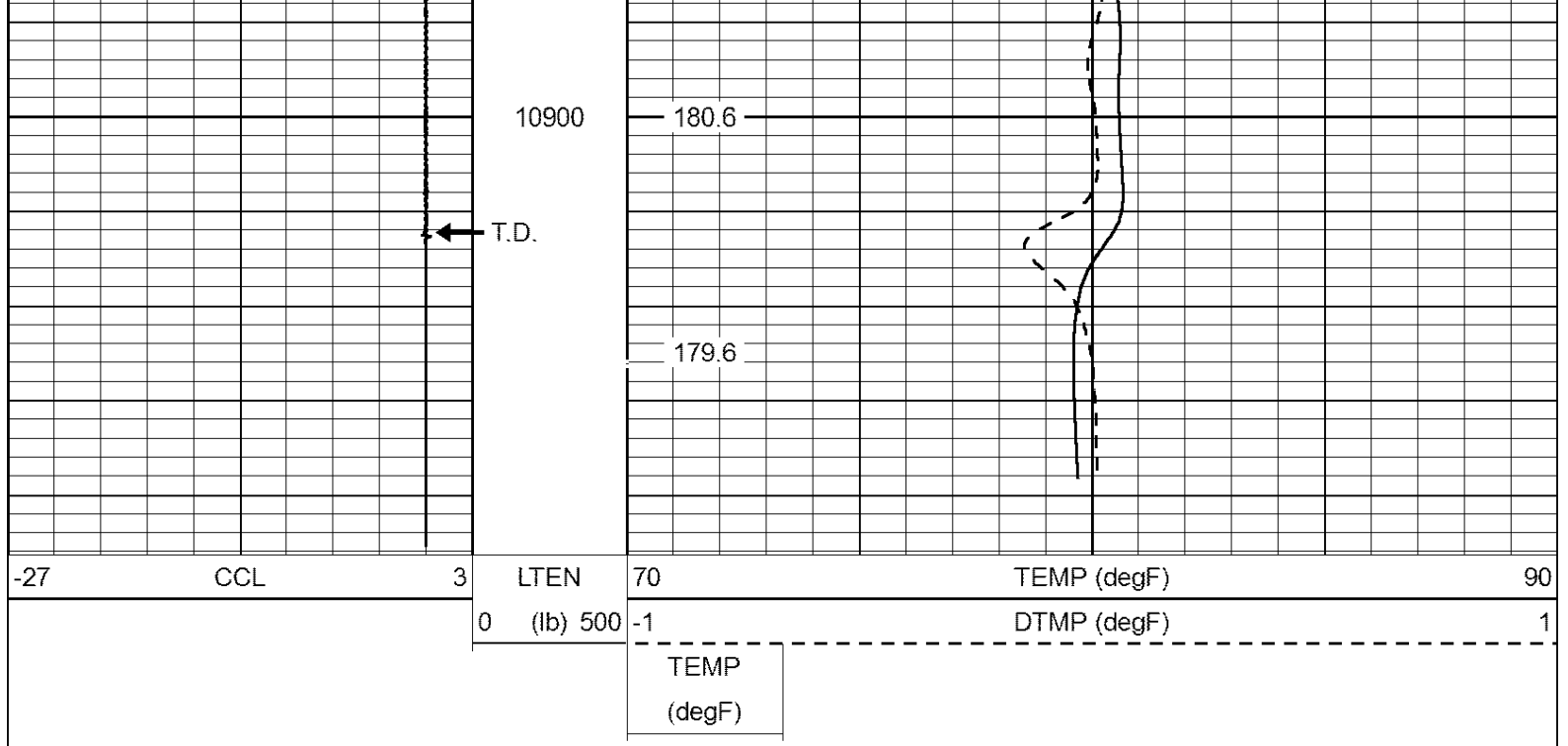
177.4

178.4

180.1

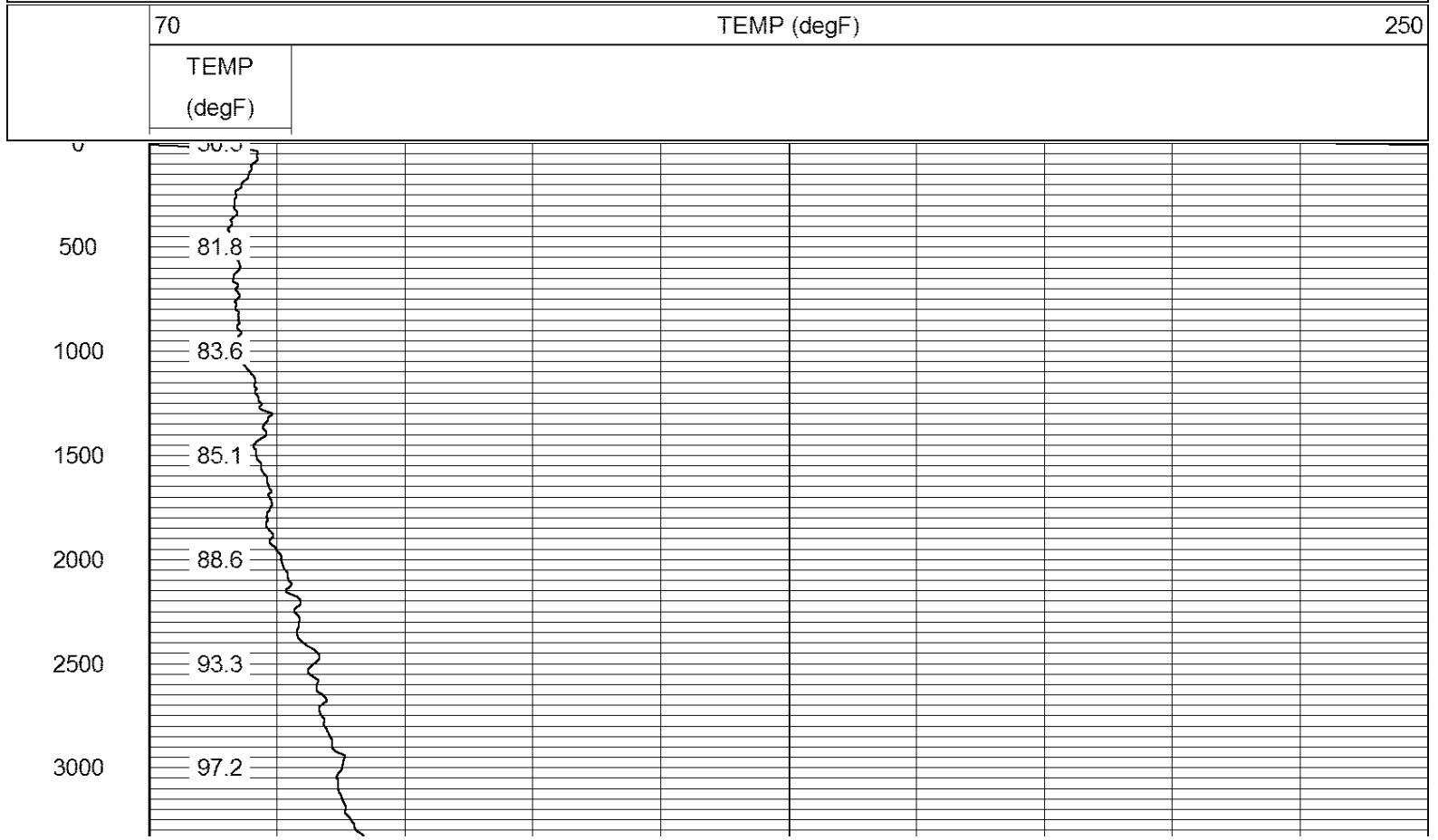
180.7

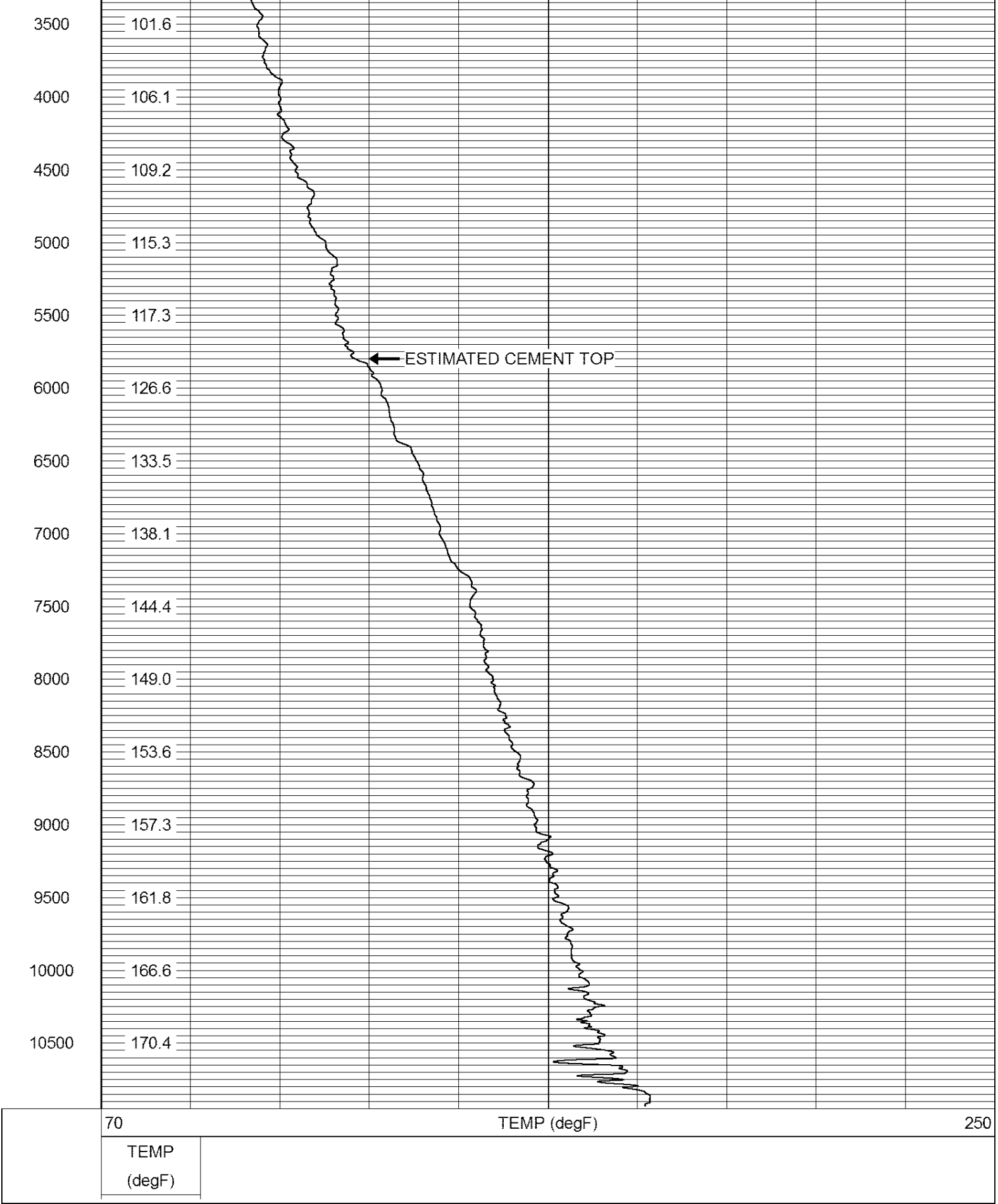
DTMP →  
TEMP →




# QUICK LOOK

Database File: 111815\_wpxenergy\_ru\_642\_8.db  
 Dataset Pathname: main1  
 Presentation Format: rmtmp\_q  
 Dataset Creation: Wed Nov 18 19:25:51 2015 by Calc SCH 120430  
 Charted by: Depth in Feet scaled 1:10000





TEMP	2.44		TEMP-APPLIED (16-53)	2.67	1.38	11.00
CCL	0.81		CCL-APPLIED (Applied_2.75) positive or negative voltage logging ccl	2.02	2.75	34.00
Dataset: 111815_wpxenergy_ru_642_8.db: field/well/run1/main Total Length: 4.69 ft Total Weight: 45.00 lb O.D. 2.75 in						

	Company	WPX ENERGY
	Well	RU 642 - 8
	Field	RULISON
	County	GARFIELD
	State	COLORADO