



TEMPERATURE CCL LOG

TERRA EP
Company

Well RU 523-7

Field RULISON

Garfield County

State

COLORADO

Location: API #: 05-045-23129-00

Other Services

QtrQtr; SENW	
LAT. 39.456907	
LOG. -107.819746	
TWP 7S	RGE 93W
SEC 7	

Elevation

Permanent Datum
G.L.

Log Measured From

Drilling Measured From	K.B.

Elevation	7339
Ft Above PD	24.0'

K.B.	7363'
D.F.	
G.L.	7339'

Date	08-08-2016
------	------------

Run Number	O
------------	---

Depth Driller	96
---------------	----

Present Depth Driller

Depth Logger

Bottom Logged Interval

Top Log Interval

Fluid Level

Type Fluid

Max. Recorded Temp.

Estimated Cement Top

Equipment Number

Location	GRAND JCT.
----------	------------

Recorded By

Witnessed By

MR. BROWN

MR. OAKS

Boi

10

Case

Run Number

10

Weight

1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

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; THERE WAS NO LOG FOR DEPTH CONTROL.
SCALE MAIN PASS 5"= 100'.
NOTE; SHORT JOINT AT 5536' TO 5558'.

Calibration Report

Database File: 08082016_terraepf_ru 523-7.db
Dataset Pathname: mainpass/pass1.1
Dataset Creation: Mon Aug 08 21:03:51 2016 by Calc SCH 120430

Temperature Calibration Report

Serial Number: 10008207
 Tool Model: 016
 Performed: Tue Feb 16 19:12:57 2016

Point #	Reading		Reference	
1	11720.00	cps	67.12	degF
2	17822.00	cps	104.92	degF
3	29420.00	cps	176.56	degF
4	40978.00	cps	247.35	degF
5	52763.00	cps	318.38	degF
6	58614.00	cps	354.31	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number: 10007620
 Tool Model: 020
 Performed: Wed Apr 20 13:09:36 2016

Calibrator Value: 1.0 GAPI

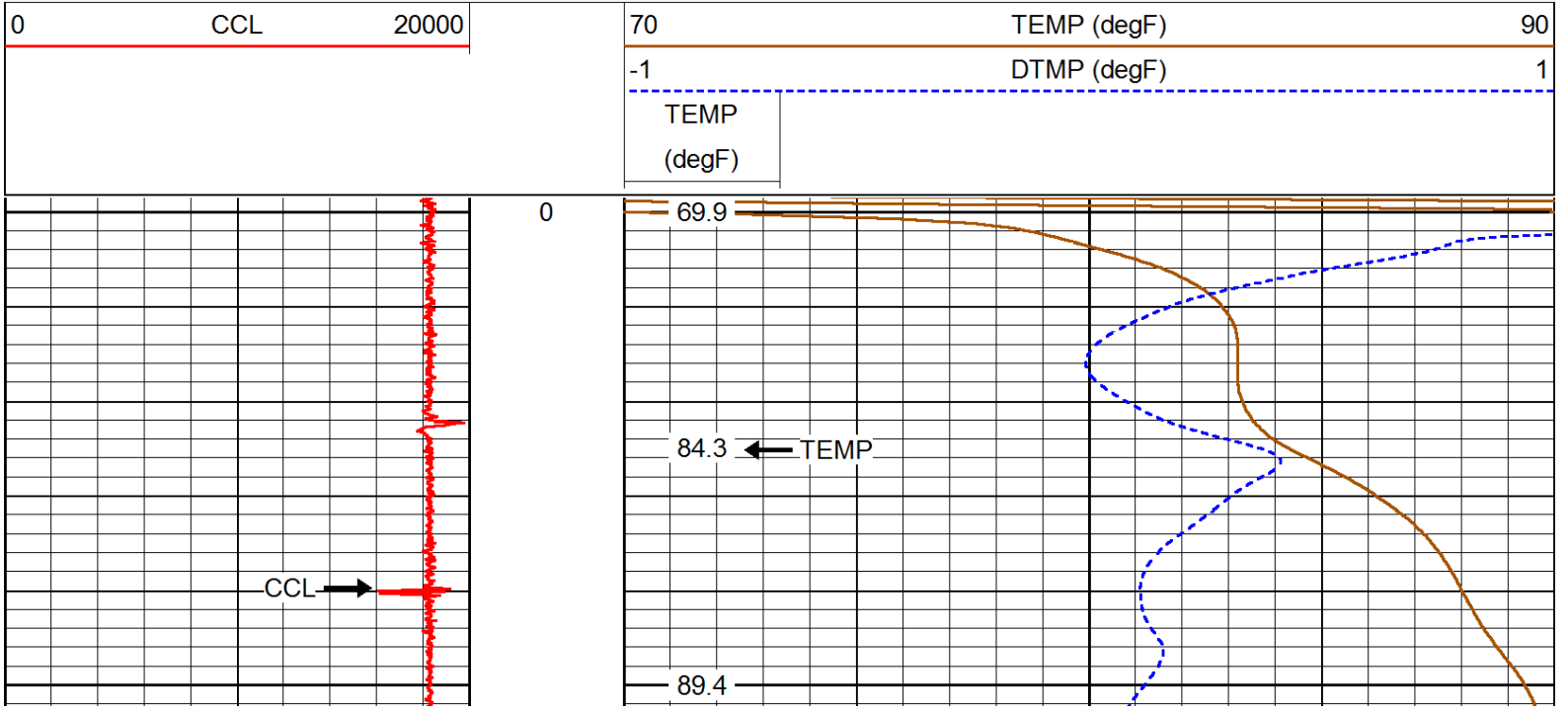
Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

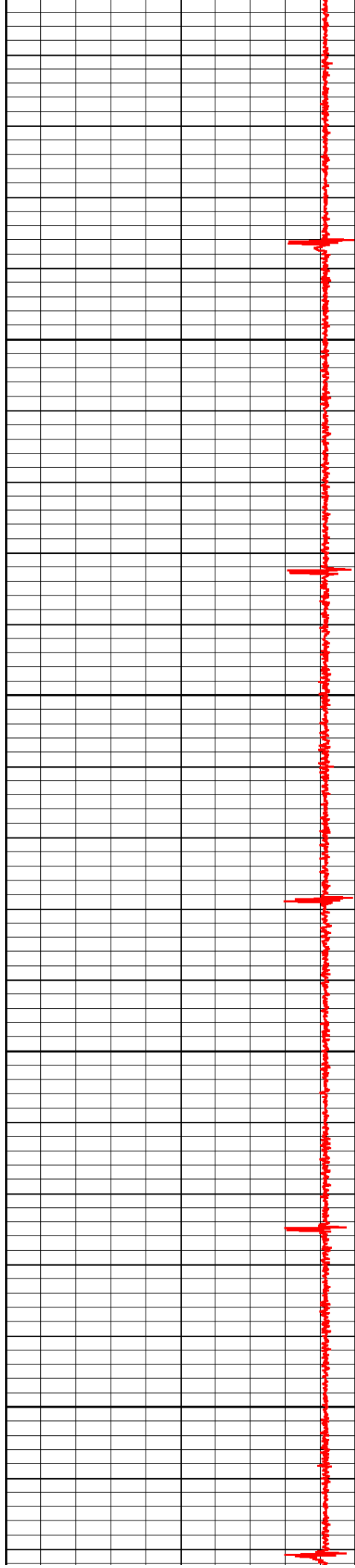
Sensitivity: 0.8300 GAPI/cps



MAIN PASS

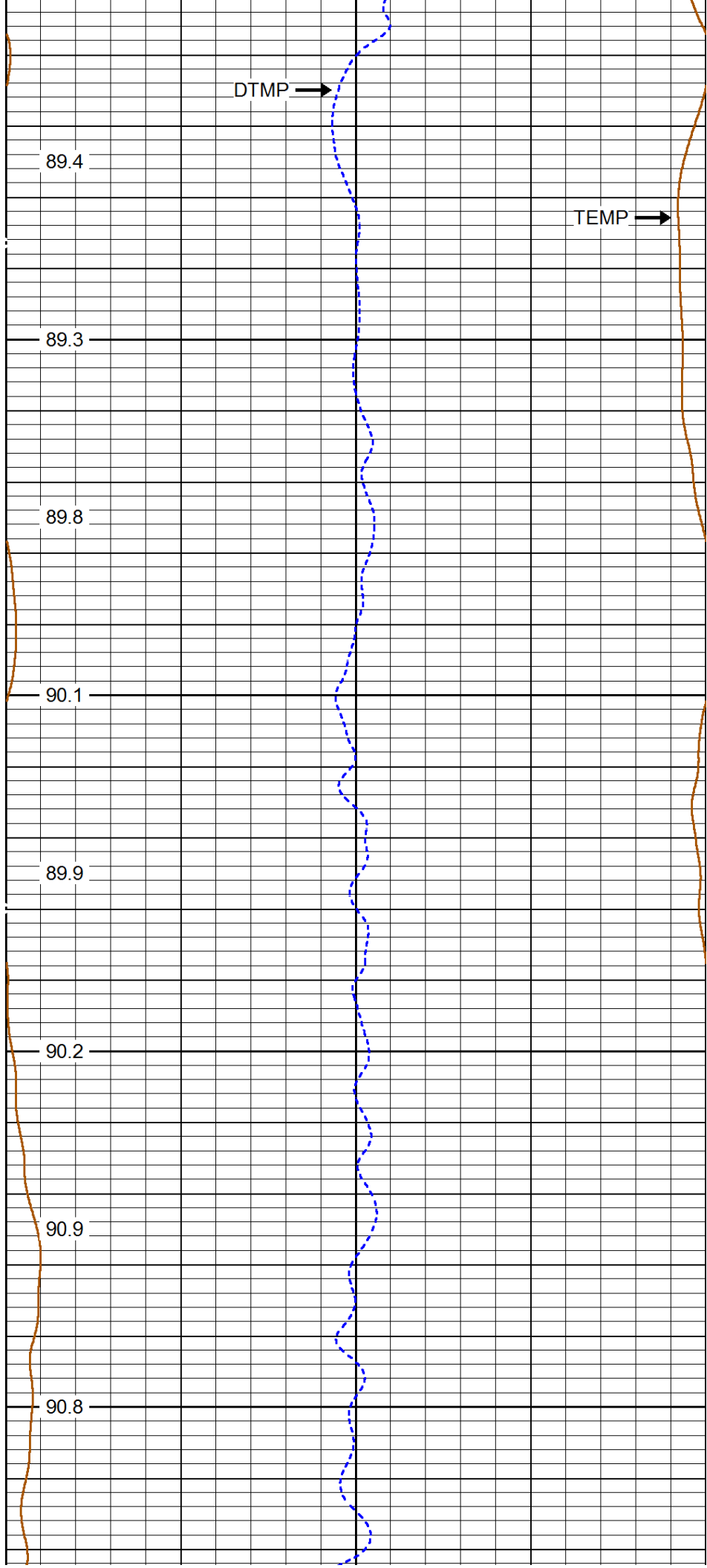
Database File: 08082016_terraep{ _ru 523-7.db
 Dataset Pathname: mainpass/pass1.1
 Presentation Format: rmws_tem
 Dataset Creation: Mon Aug 08 21:03:51 2016 by Calc SCH 120430
 Charted by: Depth in Feet scaled 1:240

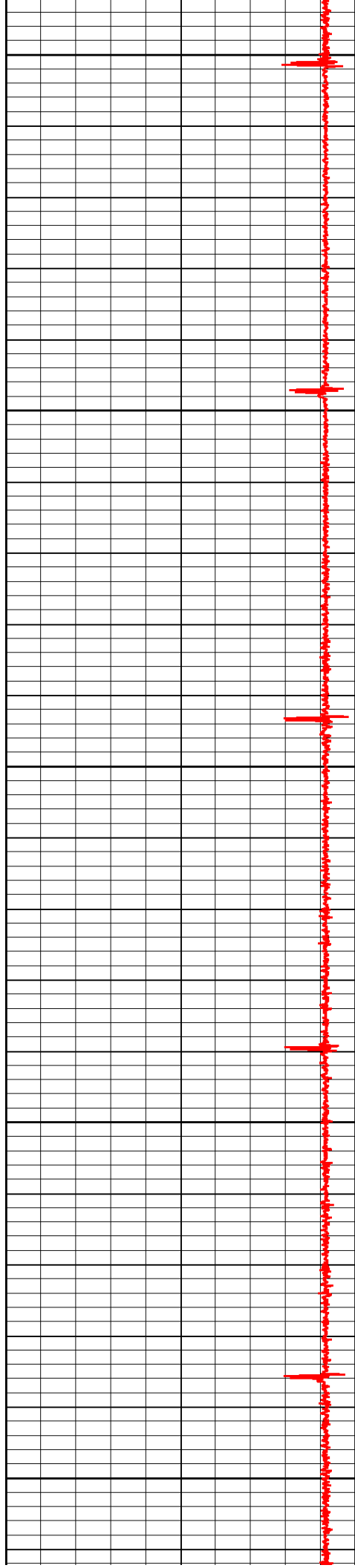




100

200

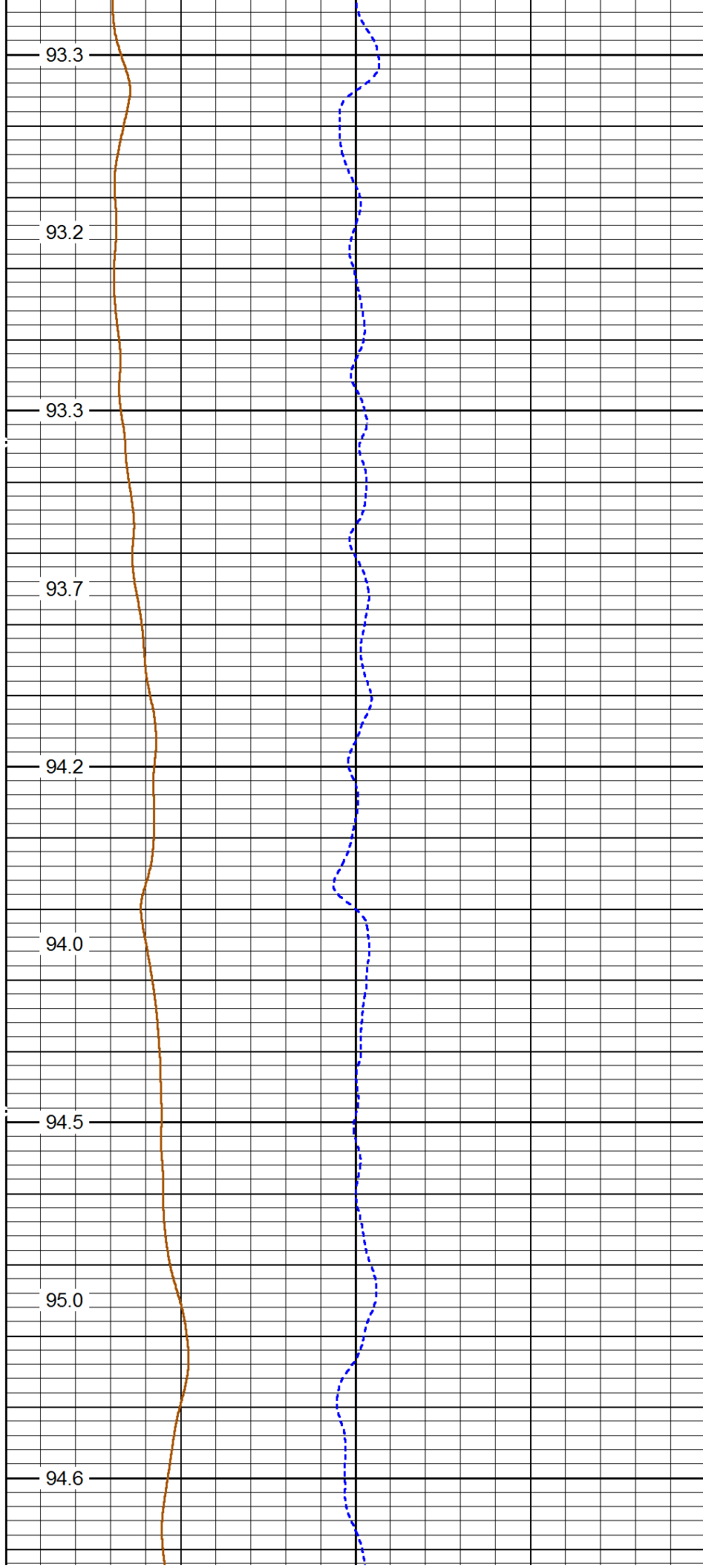


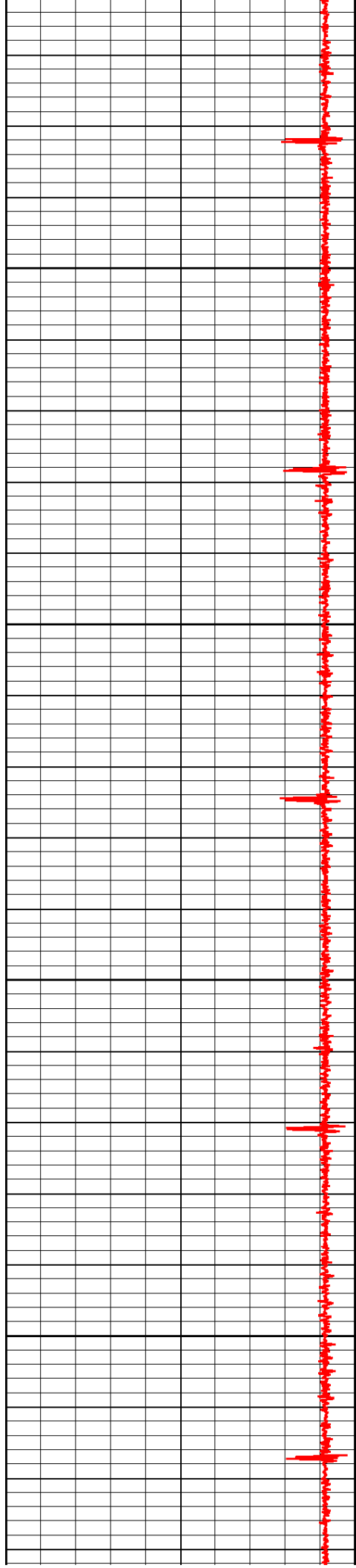


500

600

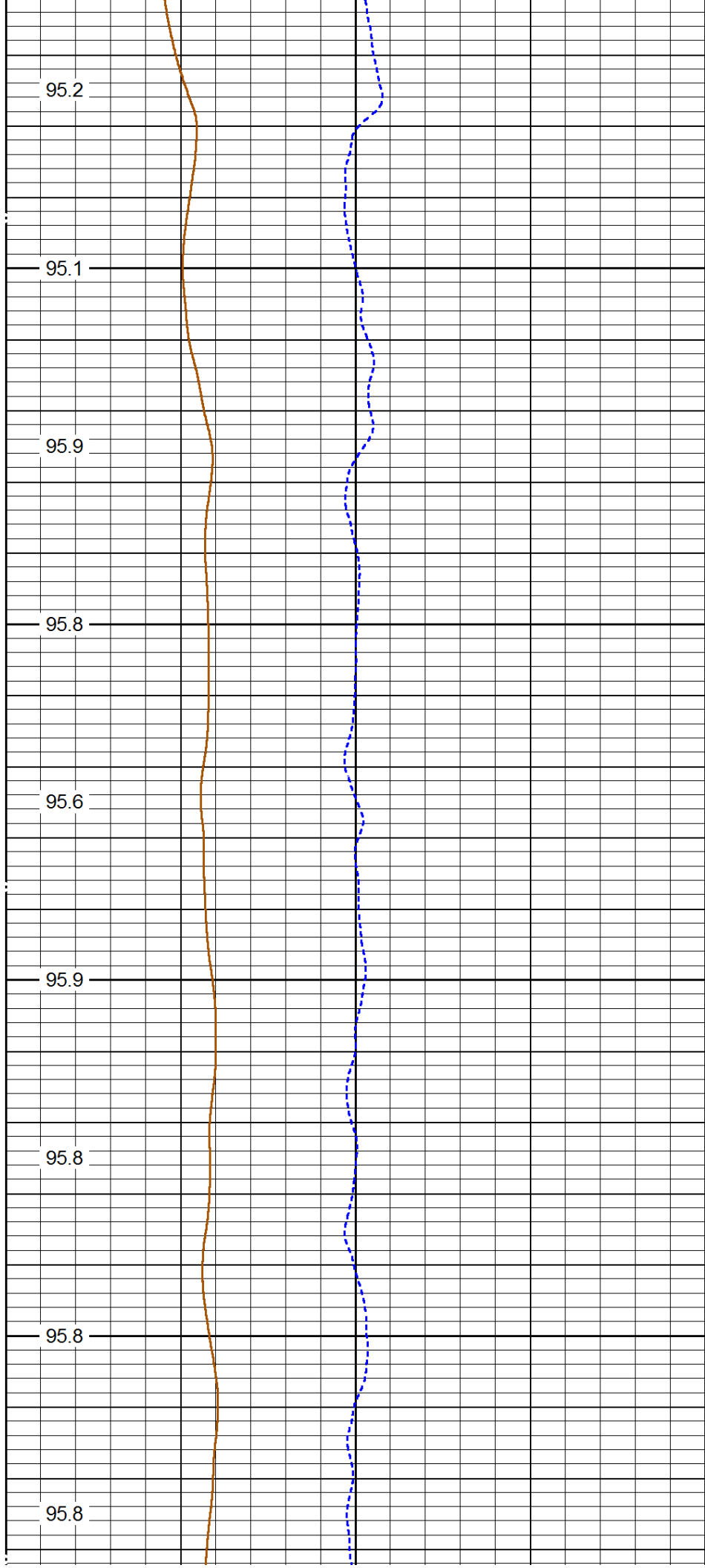
700

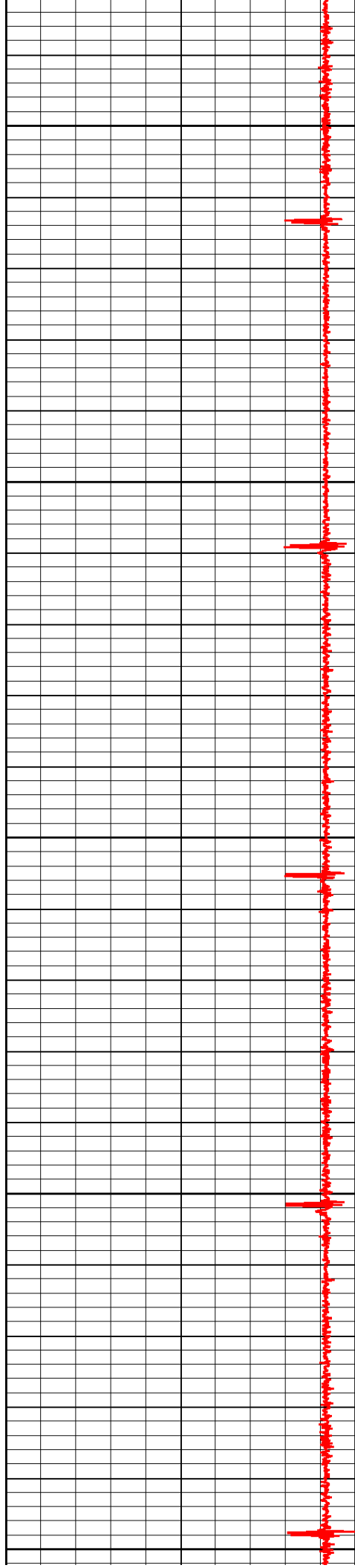




800

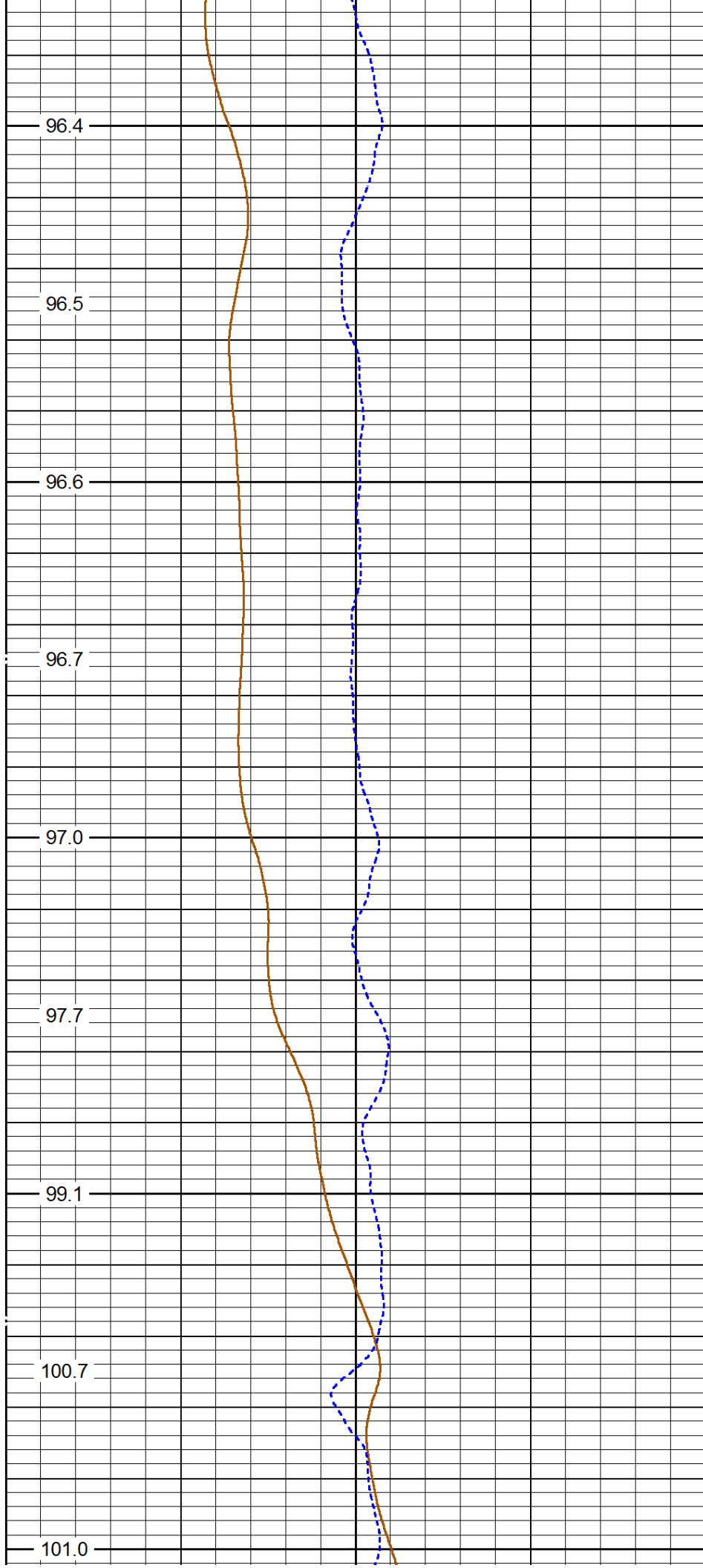
900

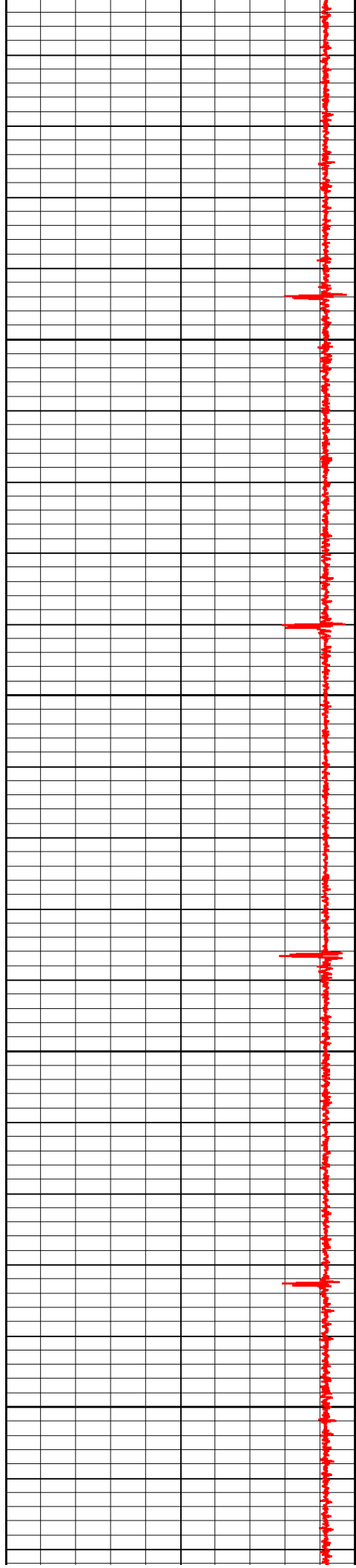




1000

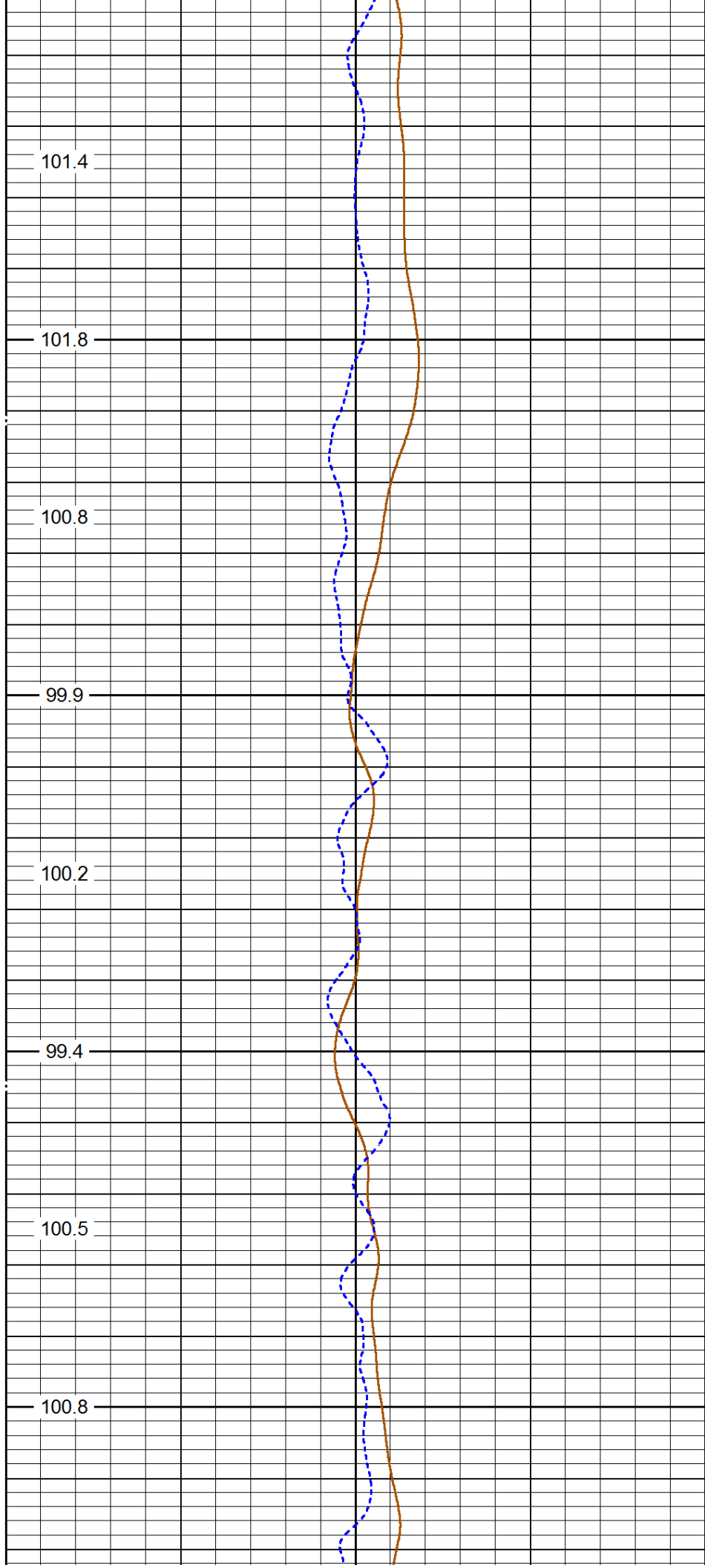
1100





1200

1300



101.4

101.8

100.8

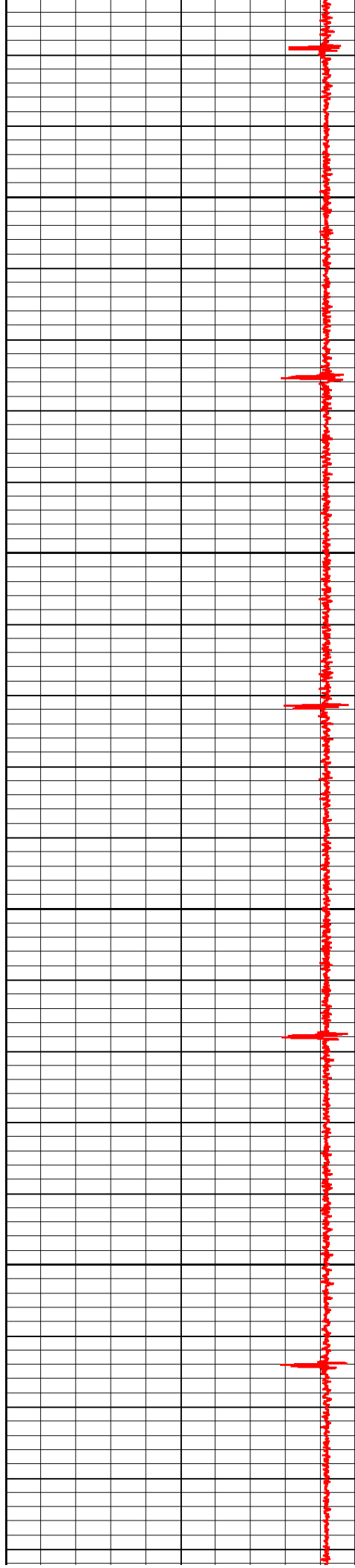
99.9

100.2

99.4

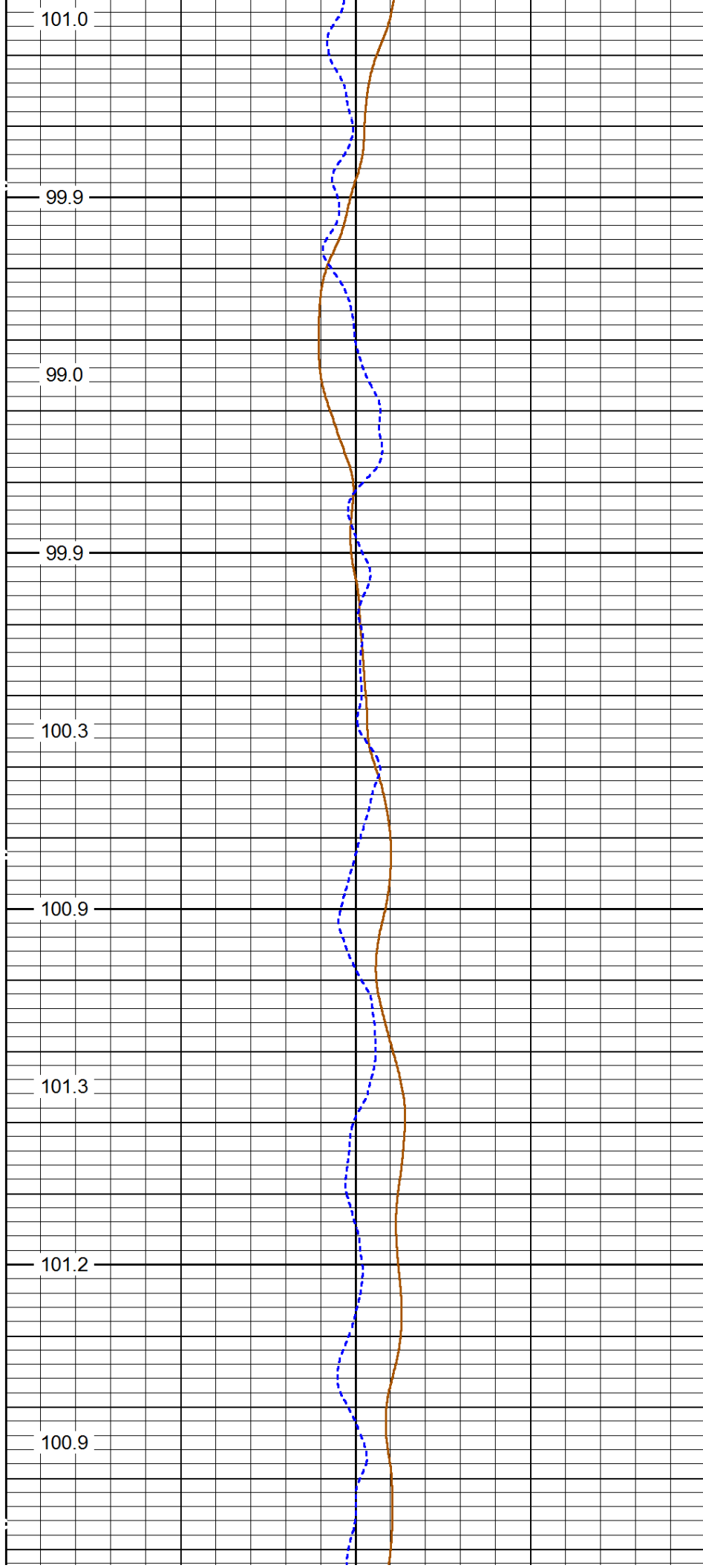
100.5

100.8



1400

1500



101.0

99.9

99.0

99.9

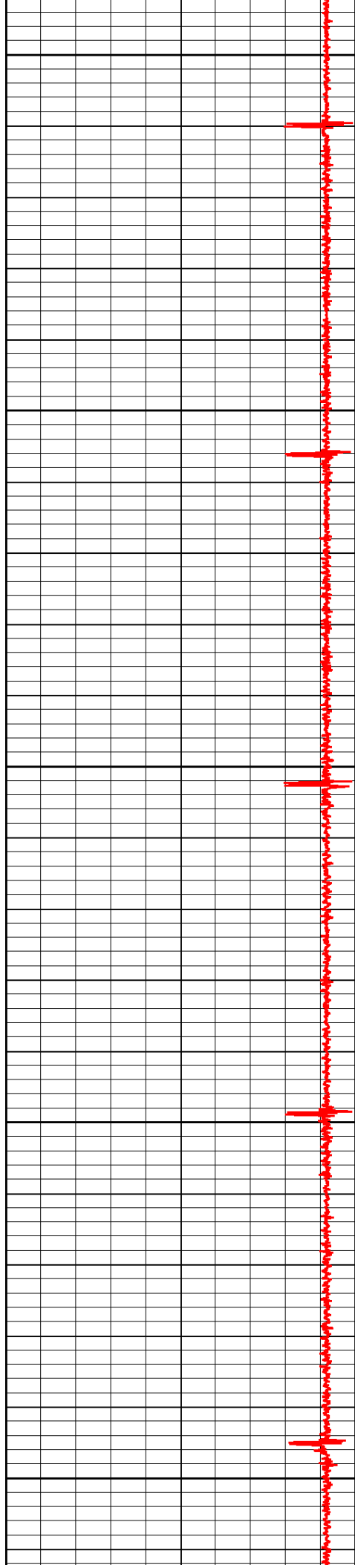
100.3

100.9

101.3

101.2

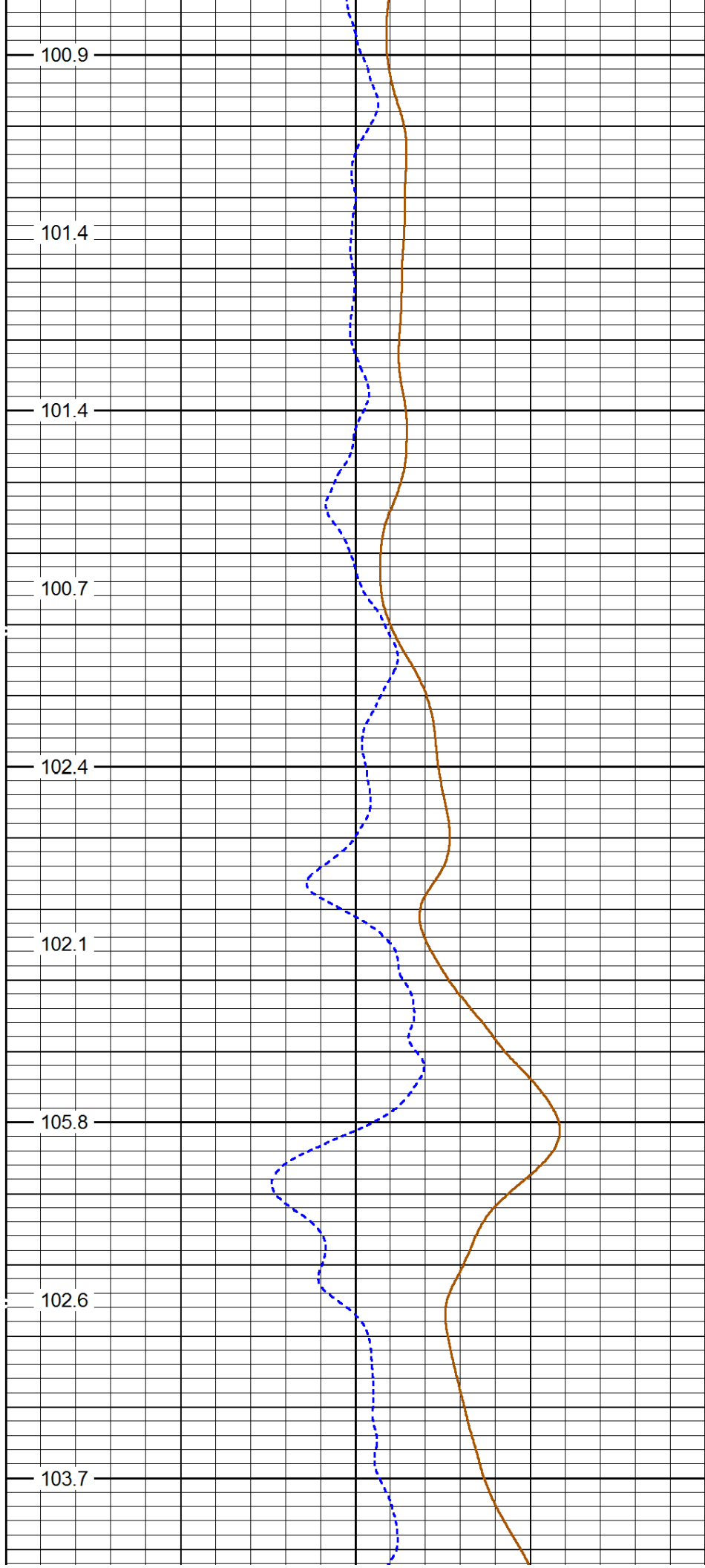
100.9

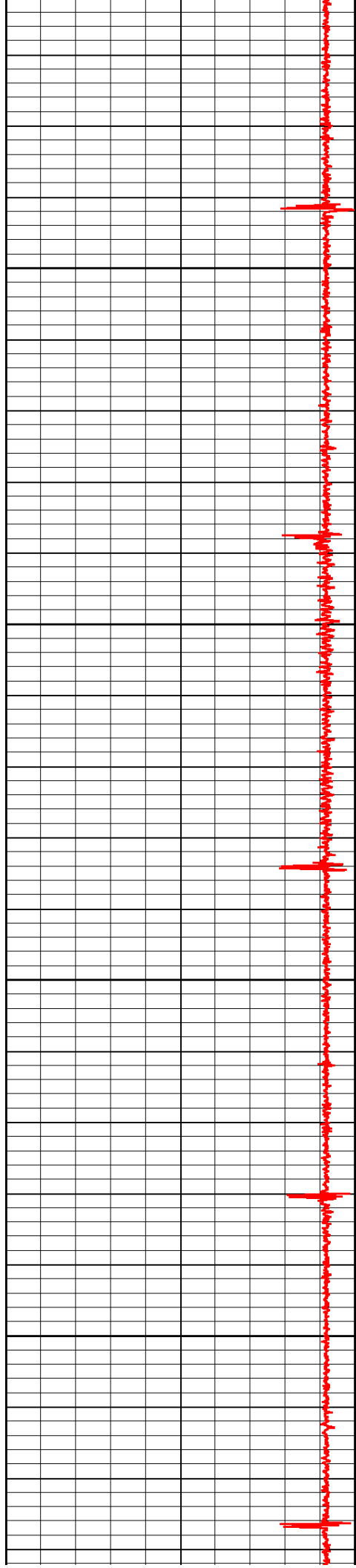


1600

1700

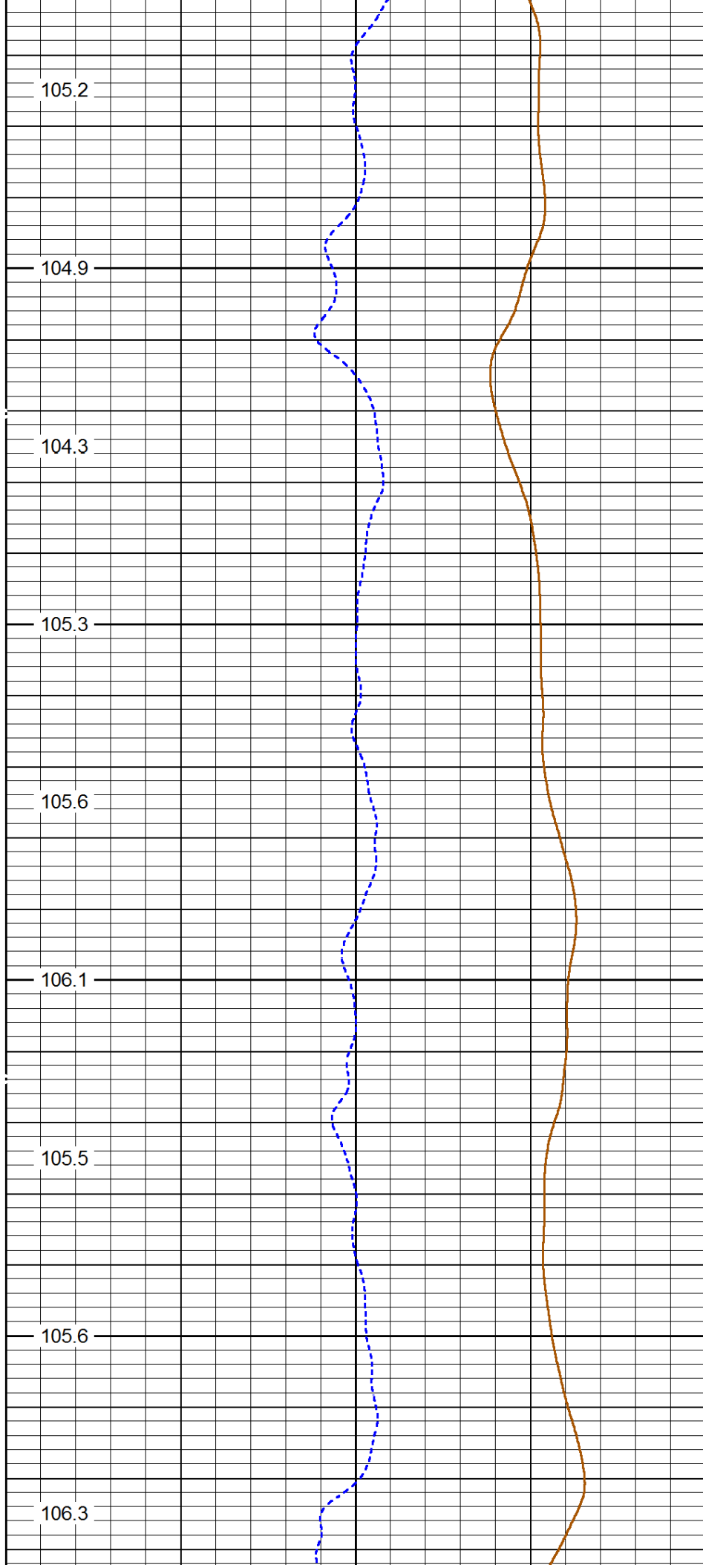
1800

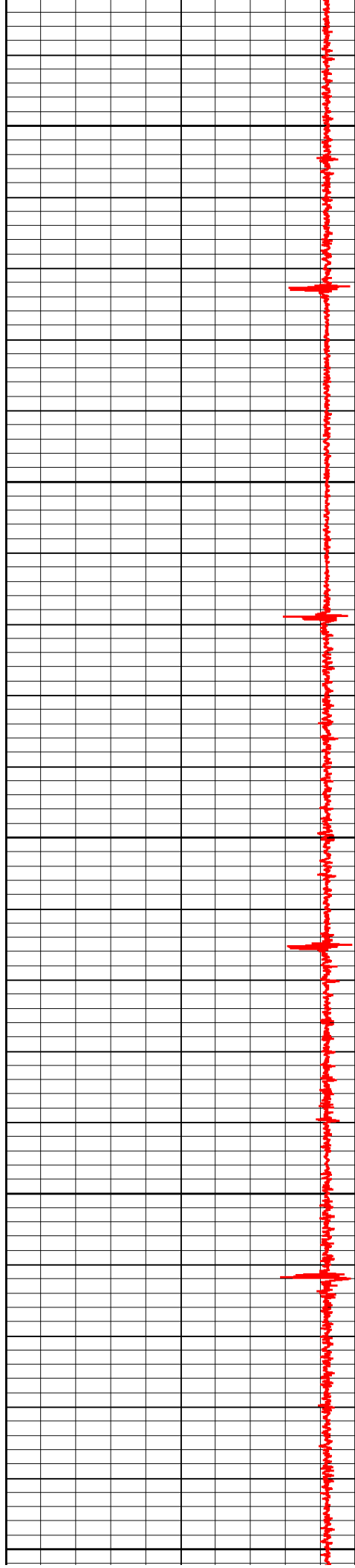




1900

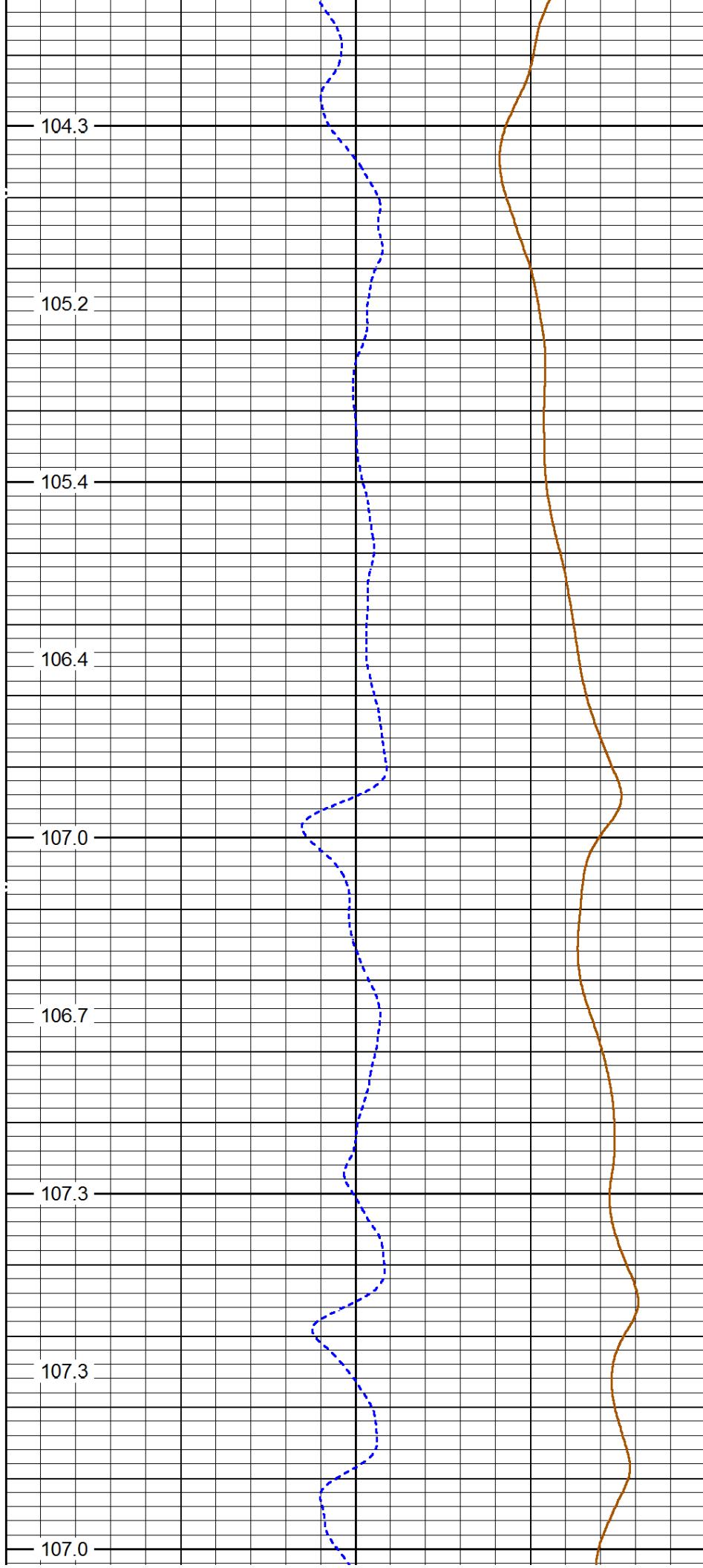
2000

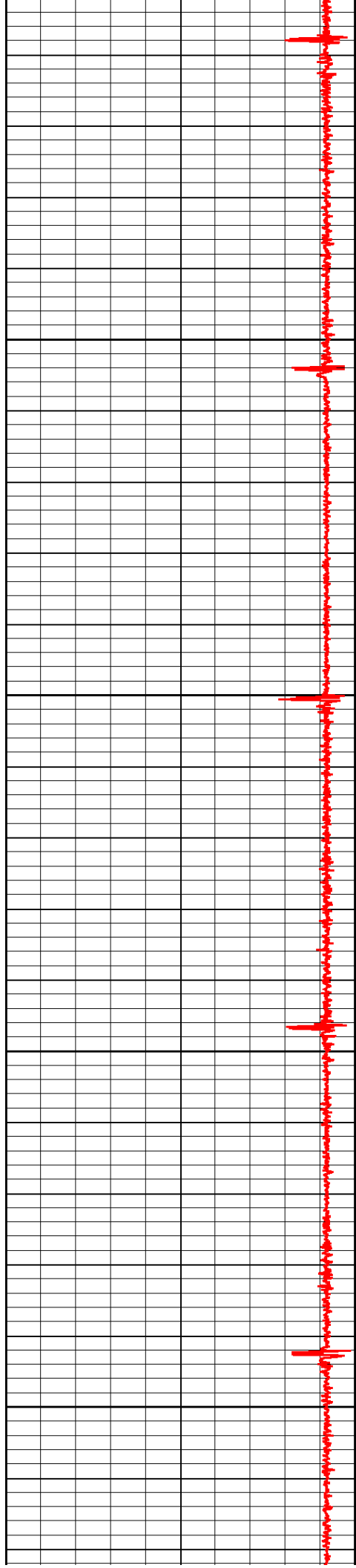




2100

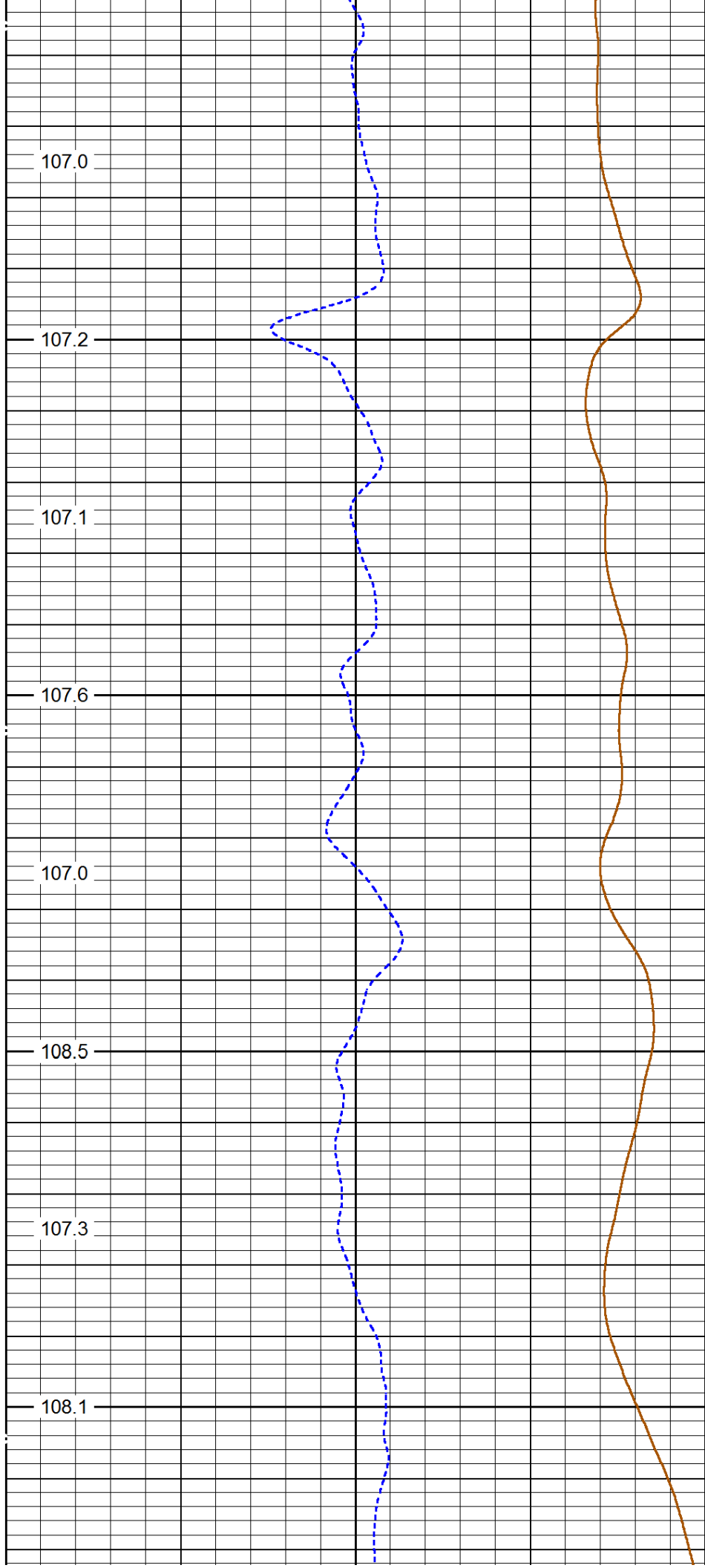
2200





2300

2400



107.0

107.2

107.1

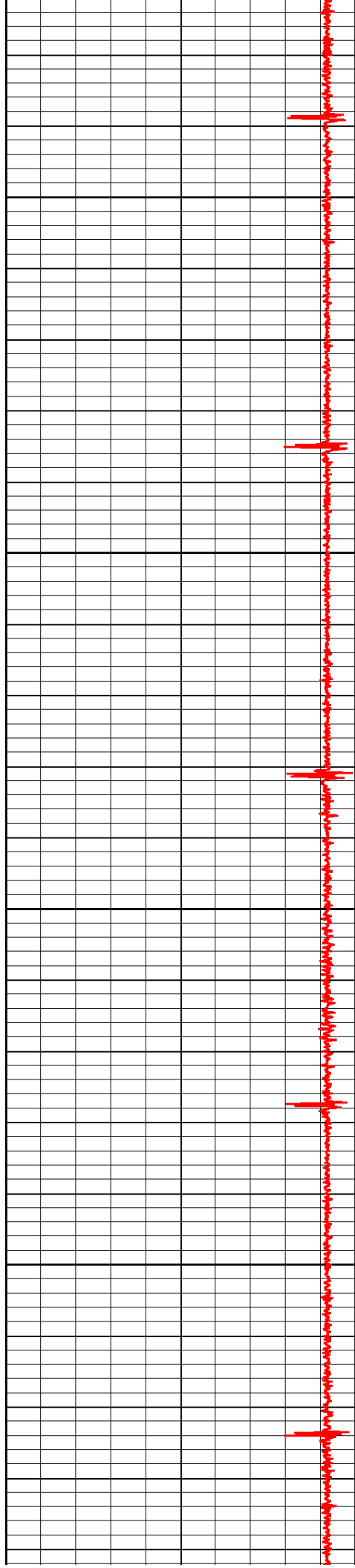
107.6

107.0

108.5

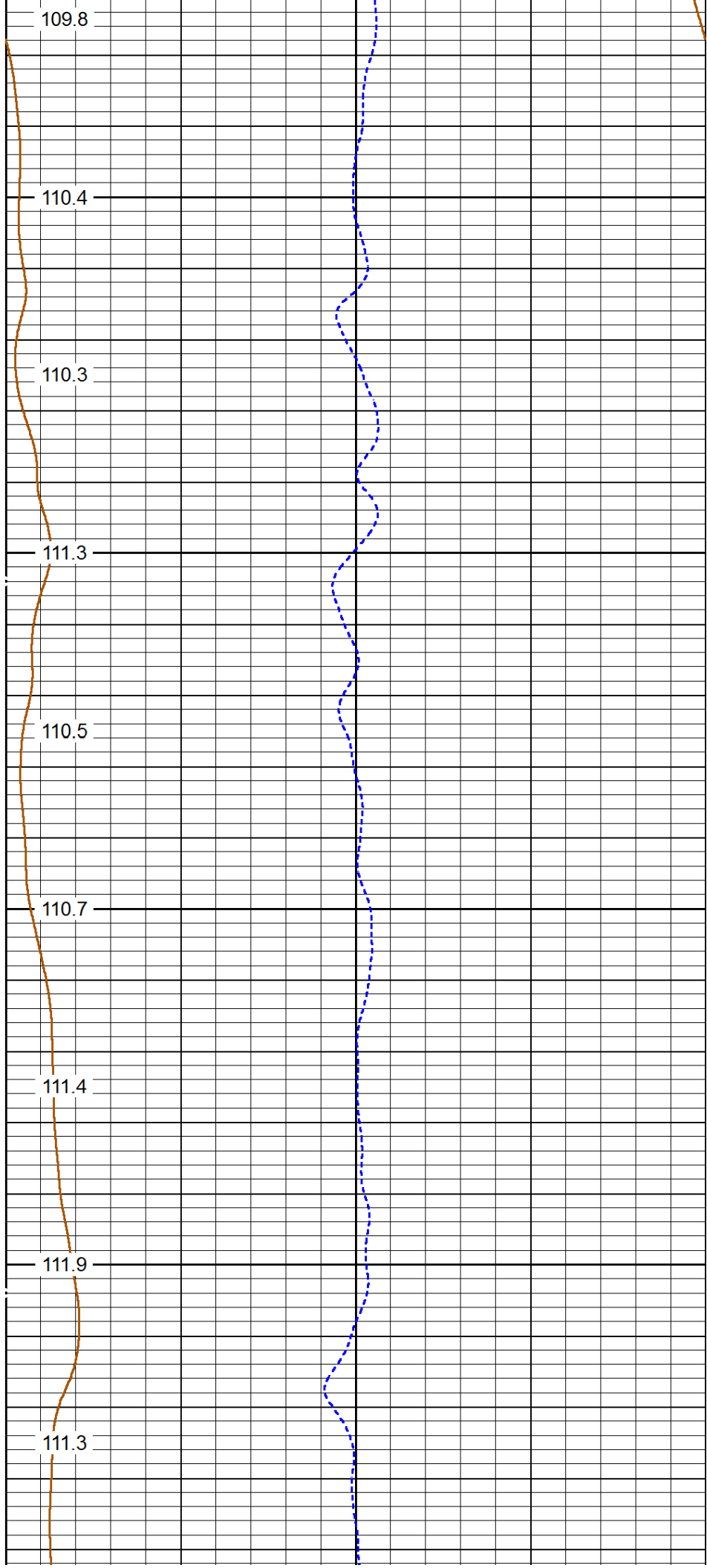
107.3

108.1



2500

2600



109.8

110.4

110.3

111.3

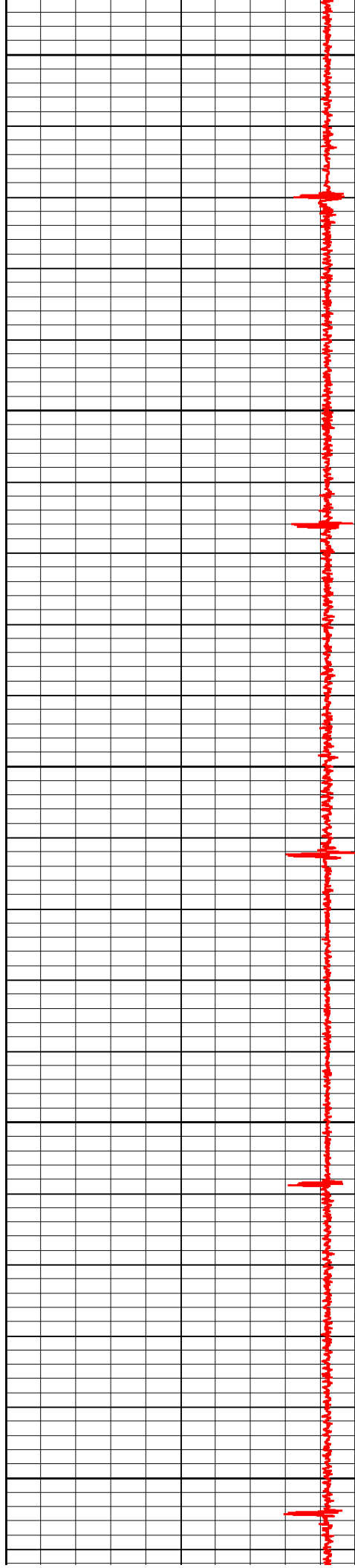
110.5

110.7

111.4

111.9

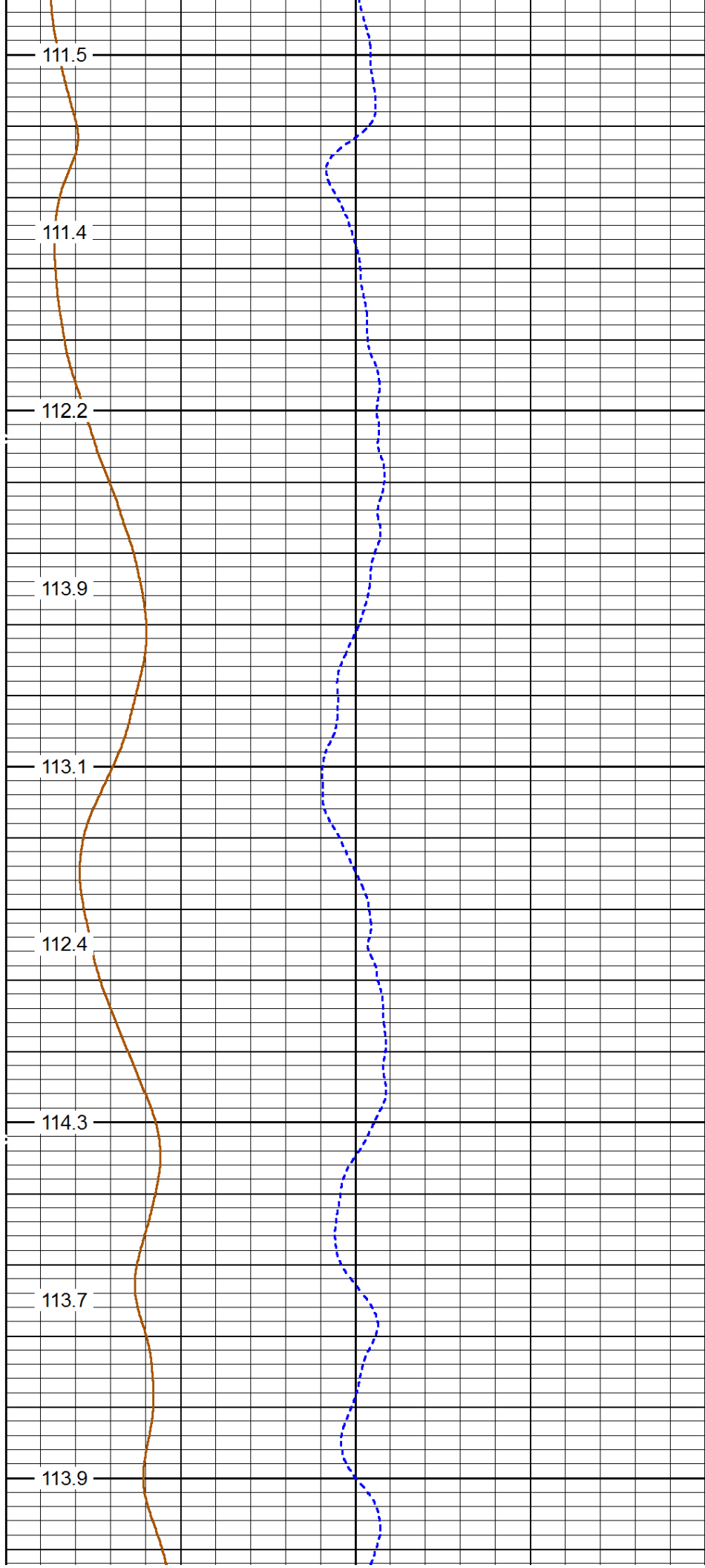
111.3



2700

2800

2900



111.5

111.4

112.2

113.9

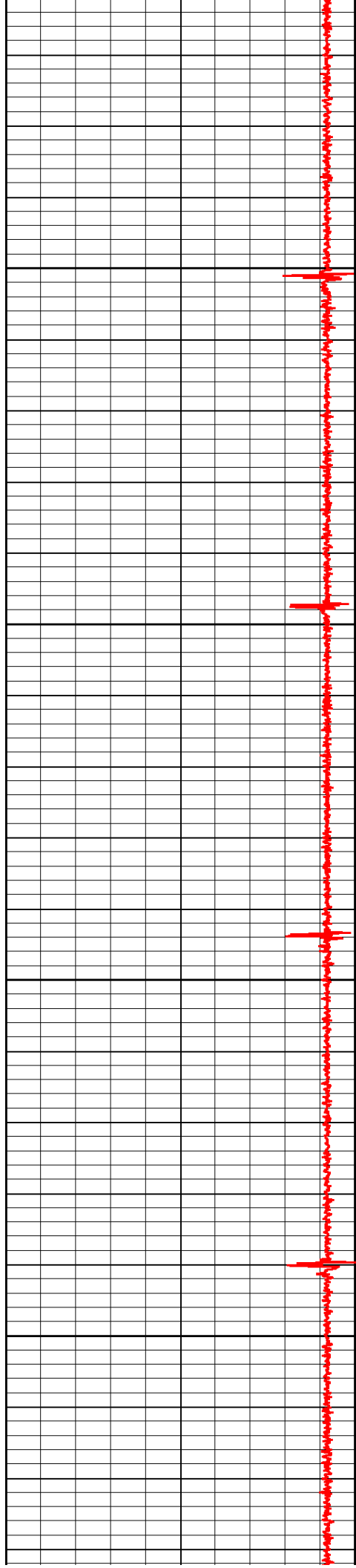
113.1

112.4

114.3

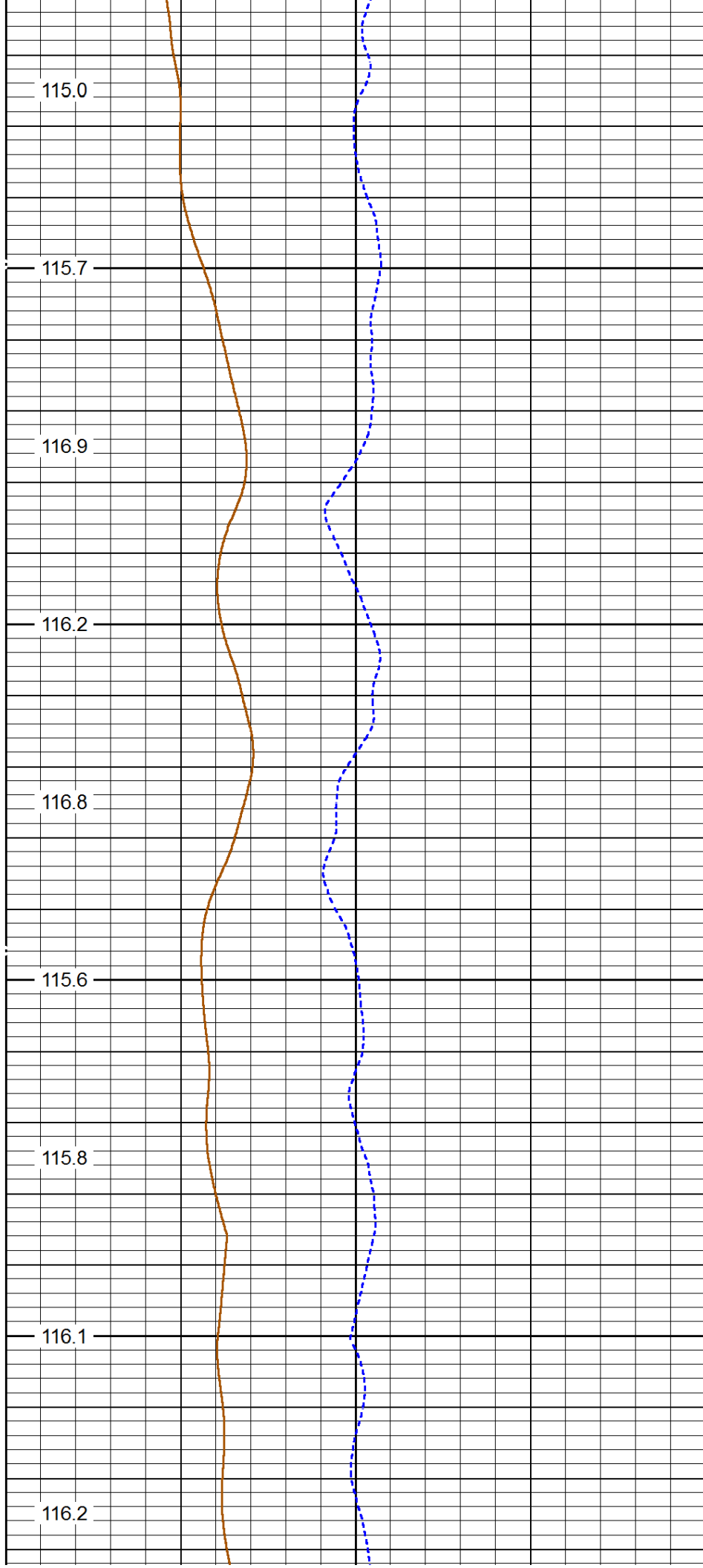
113.7

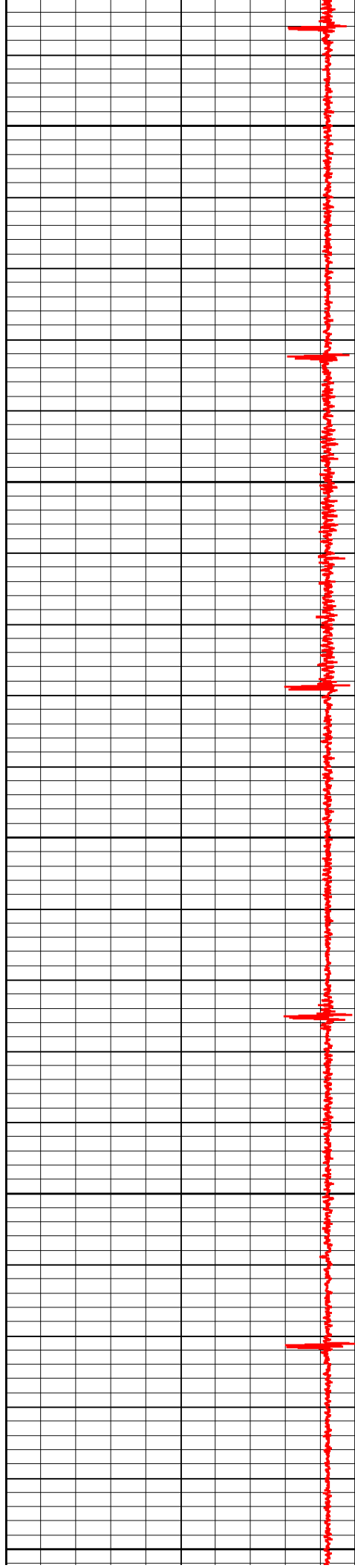
113.9



3000

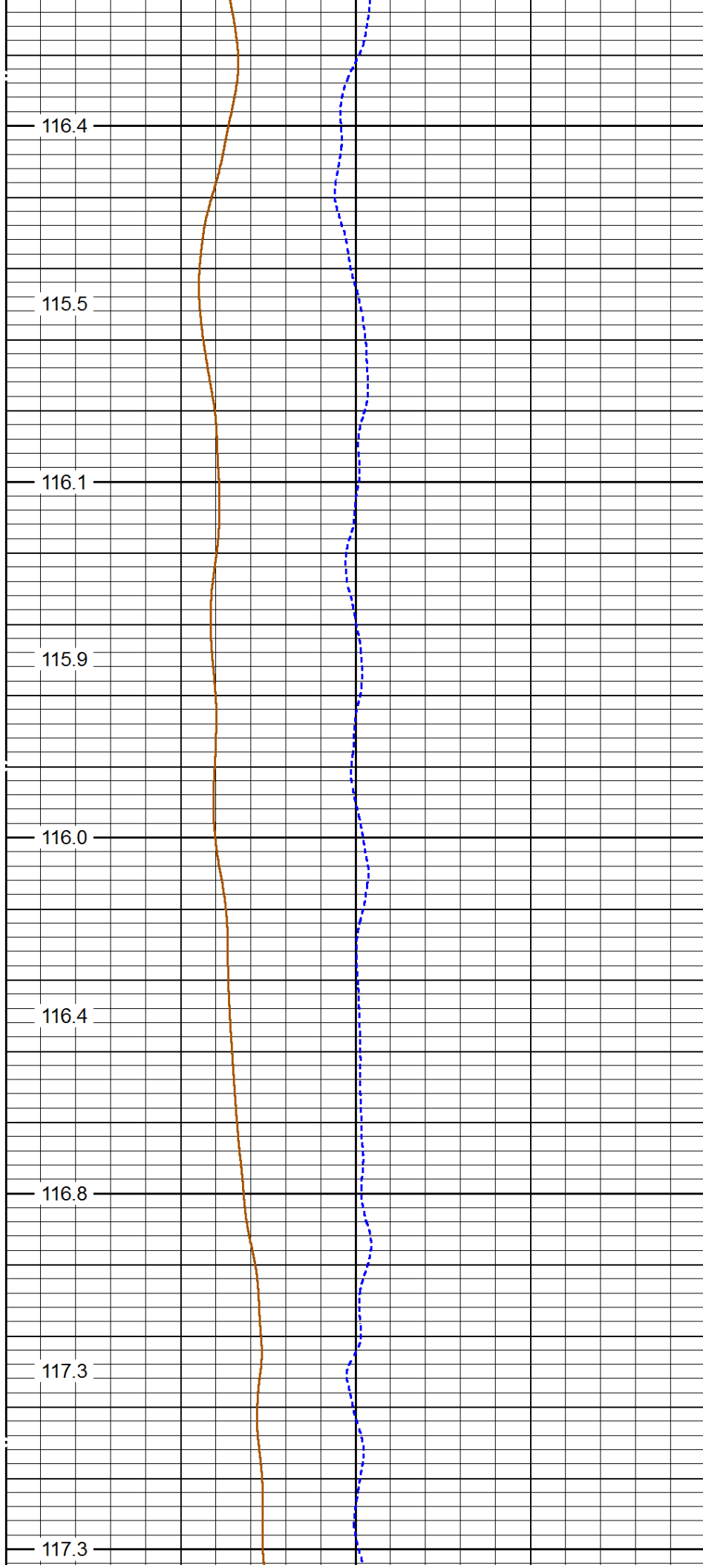
3100

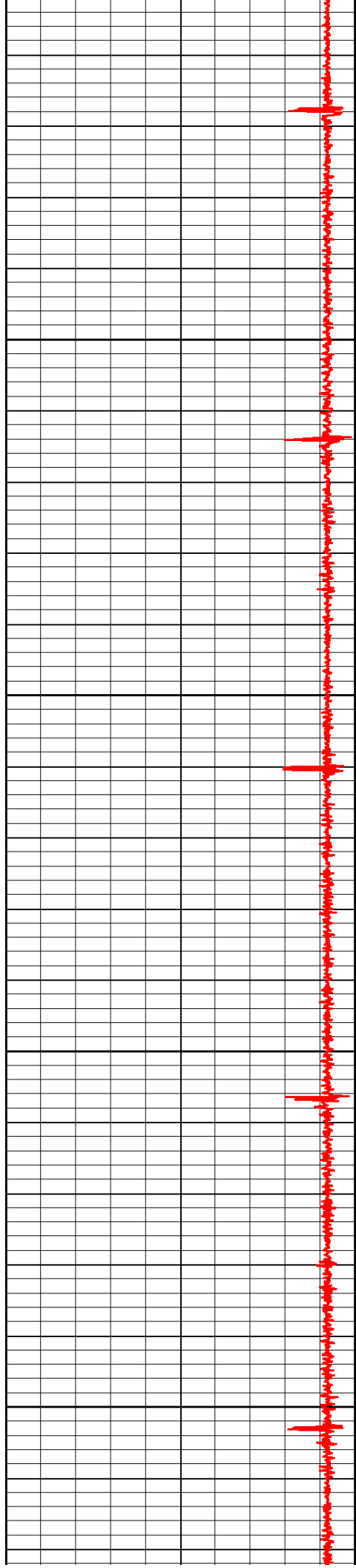




3200

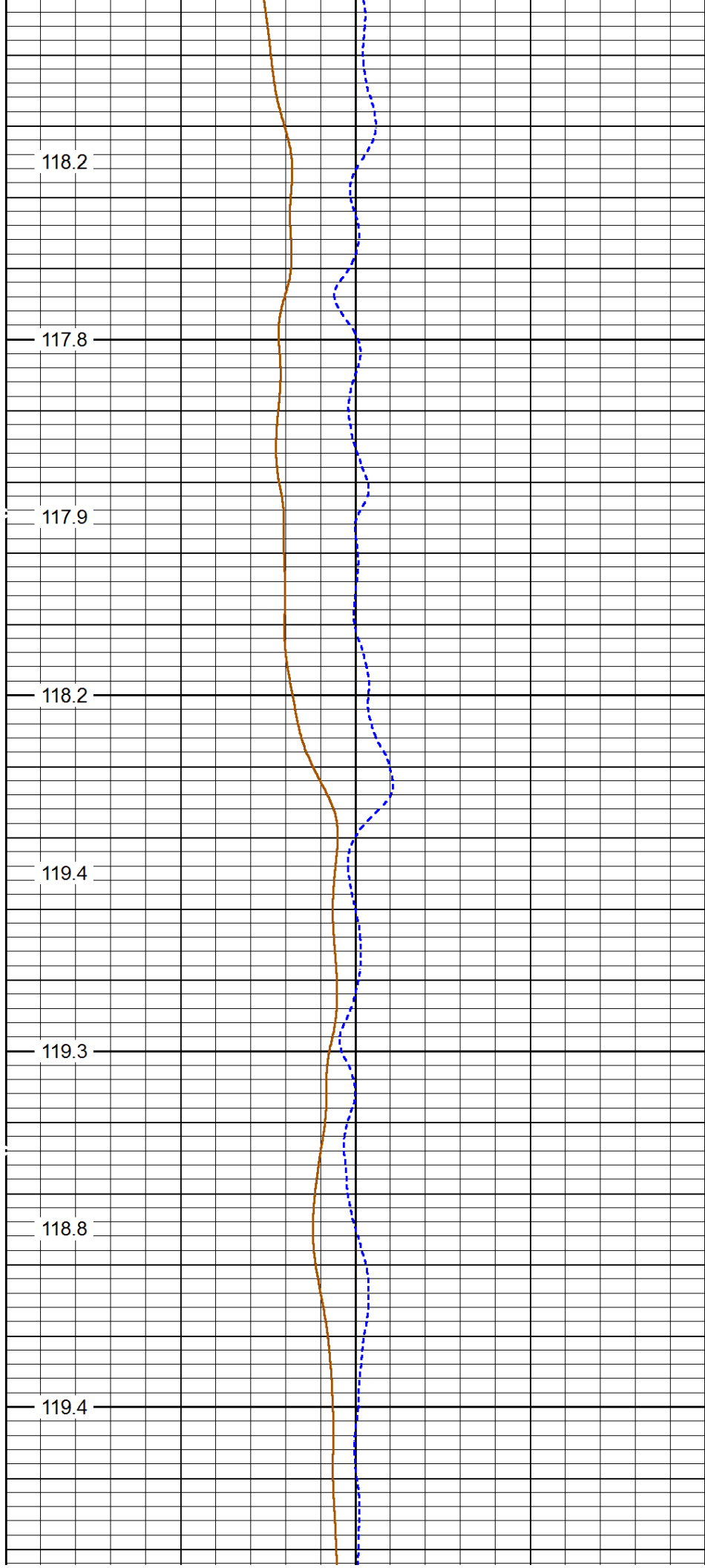
3300

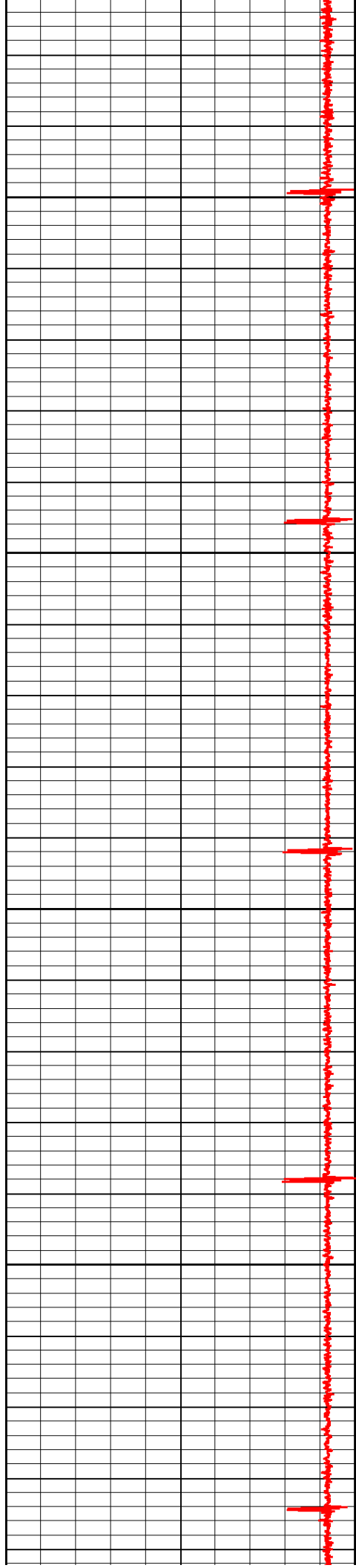




3400

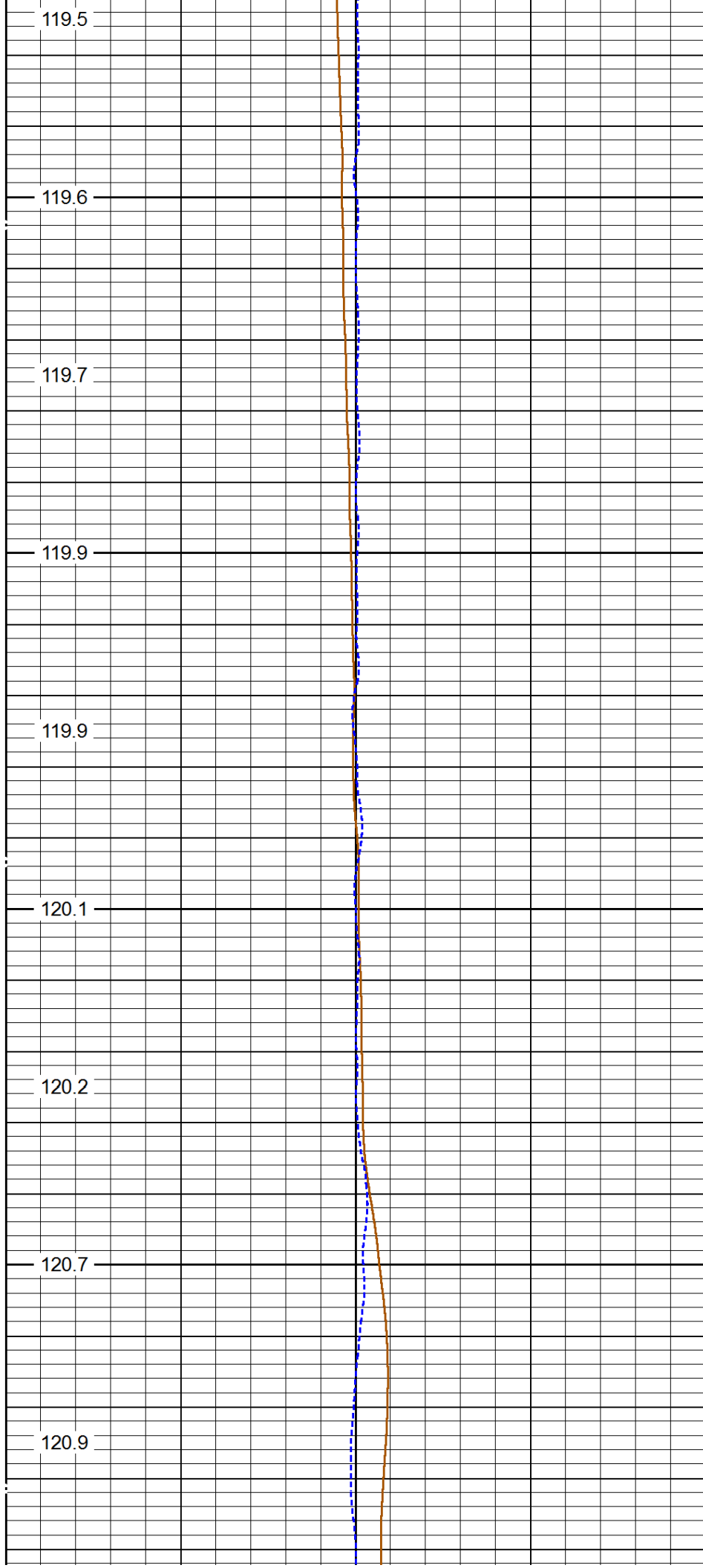
3500

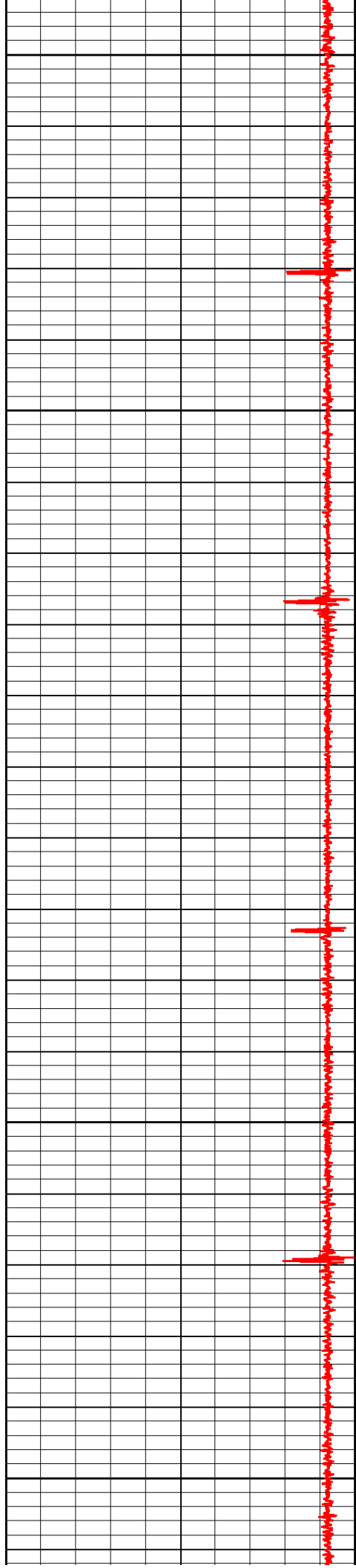




3600

3700

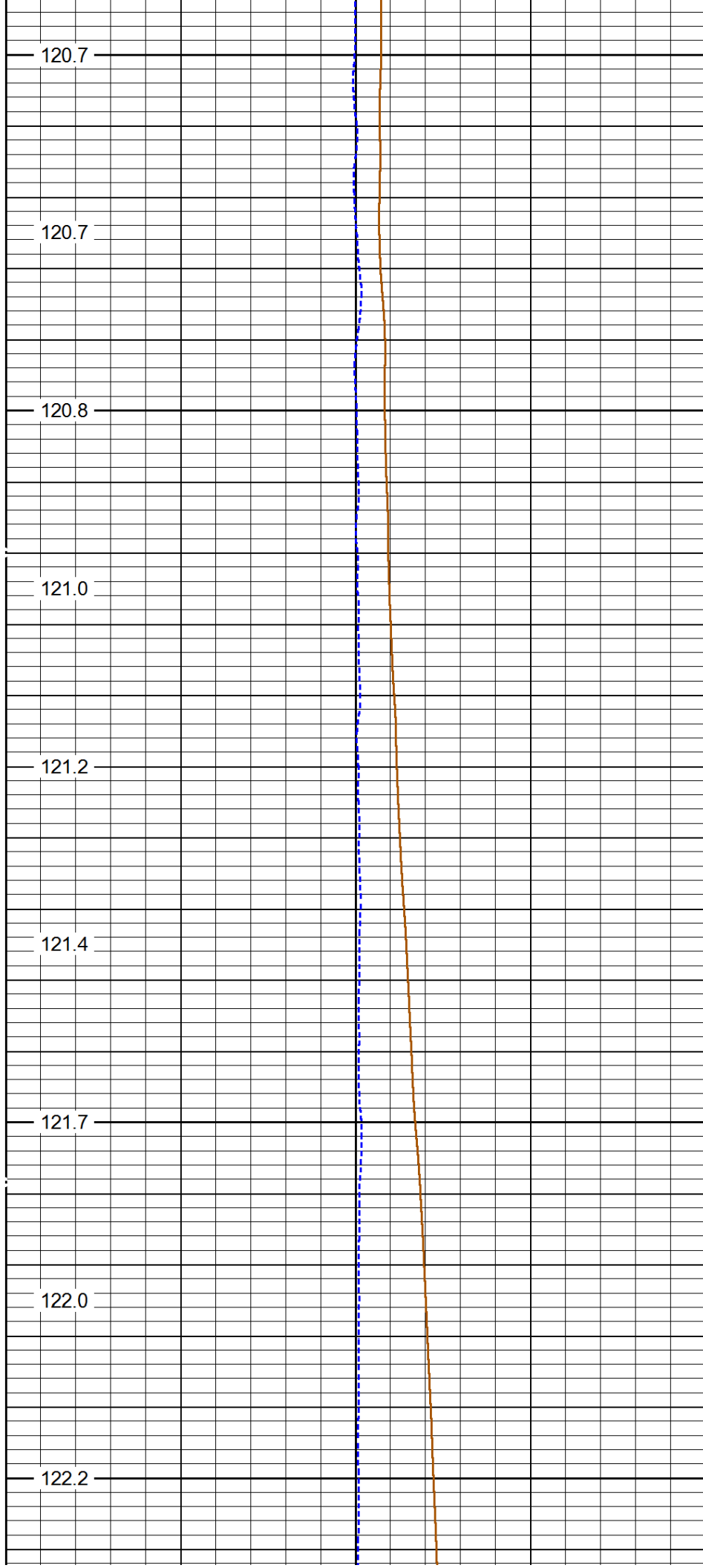


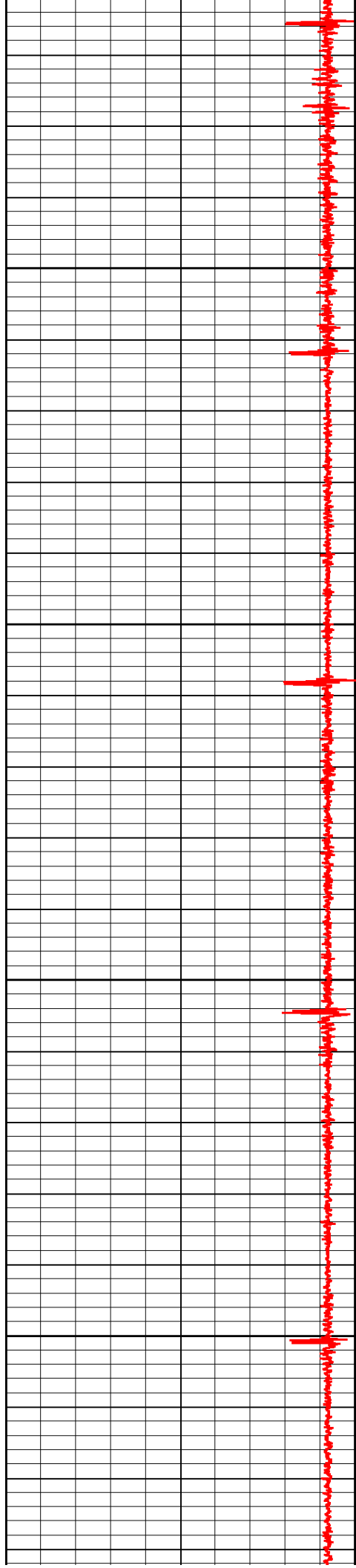


3800

3900

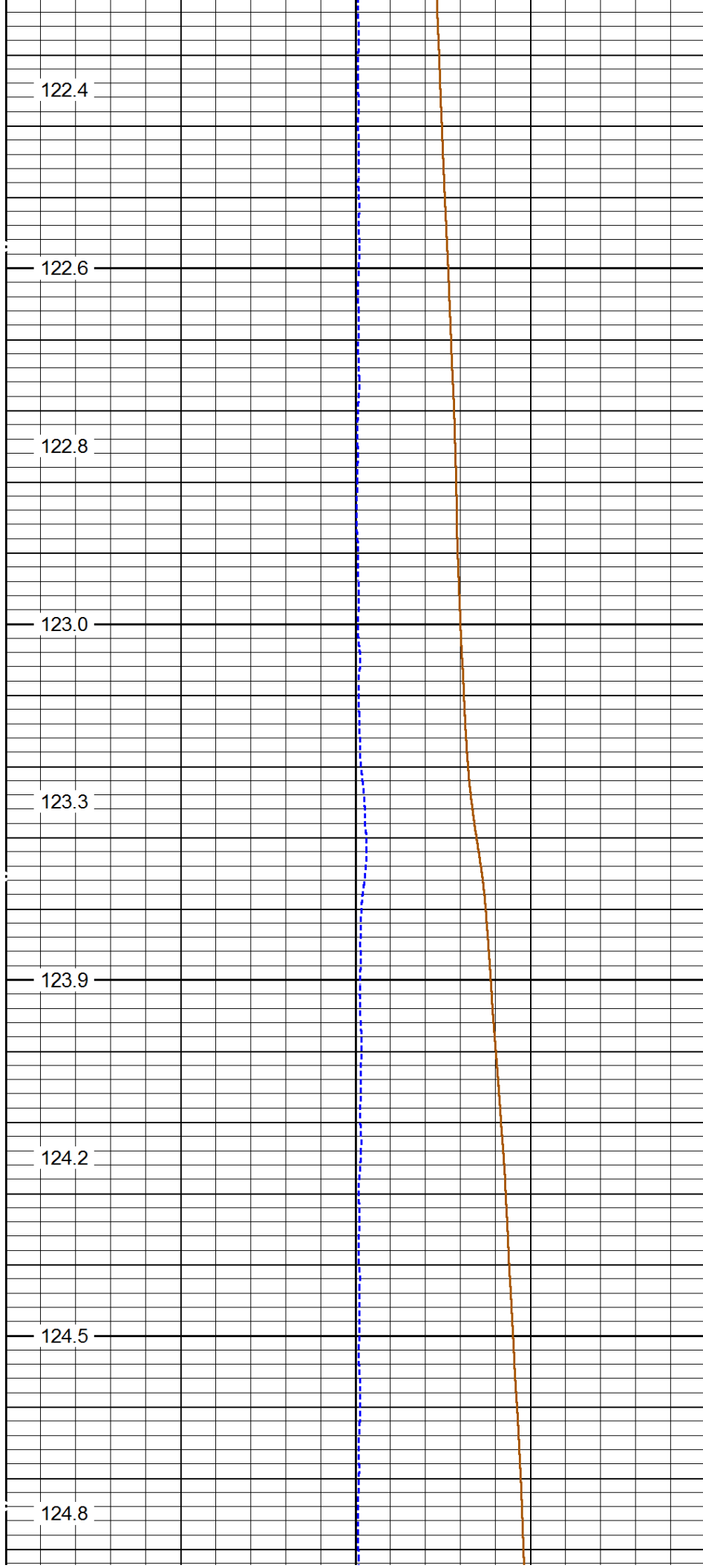
4000

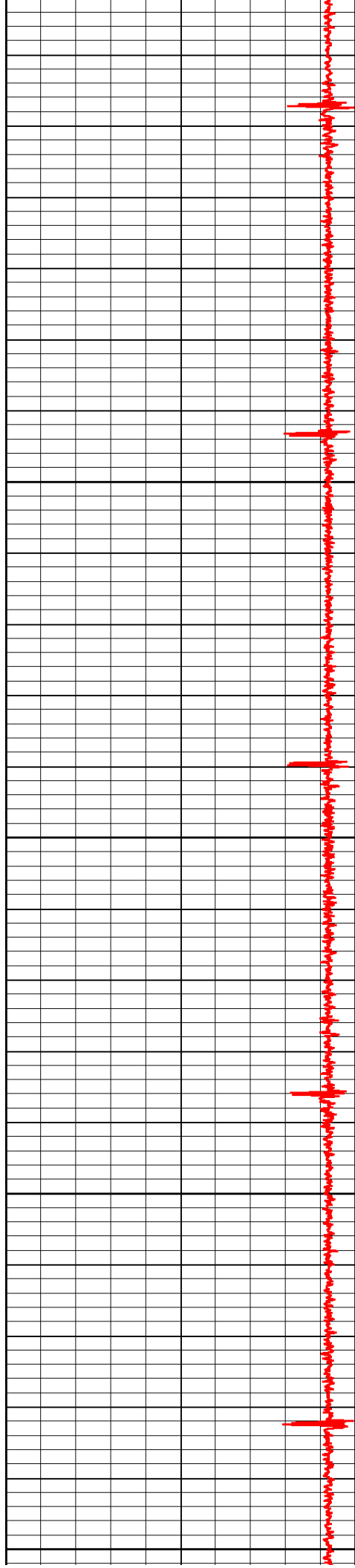




4100

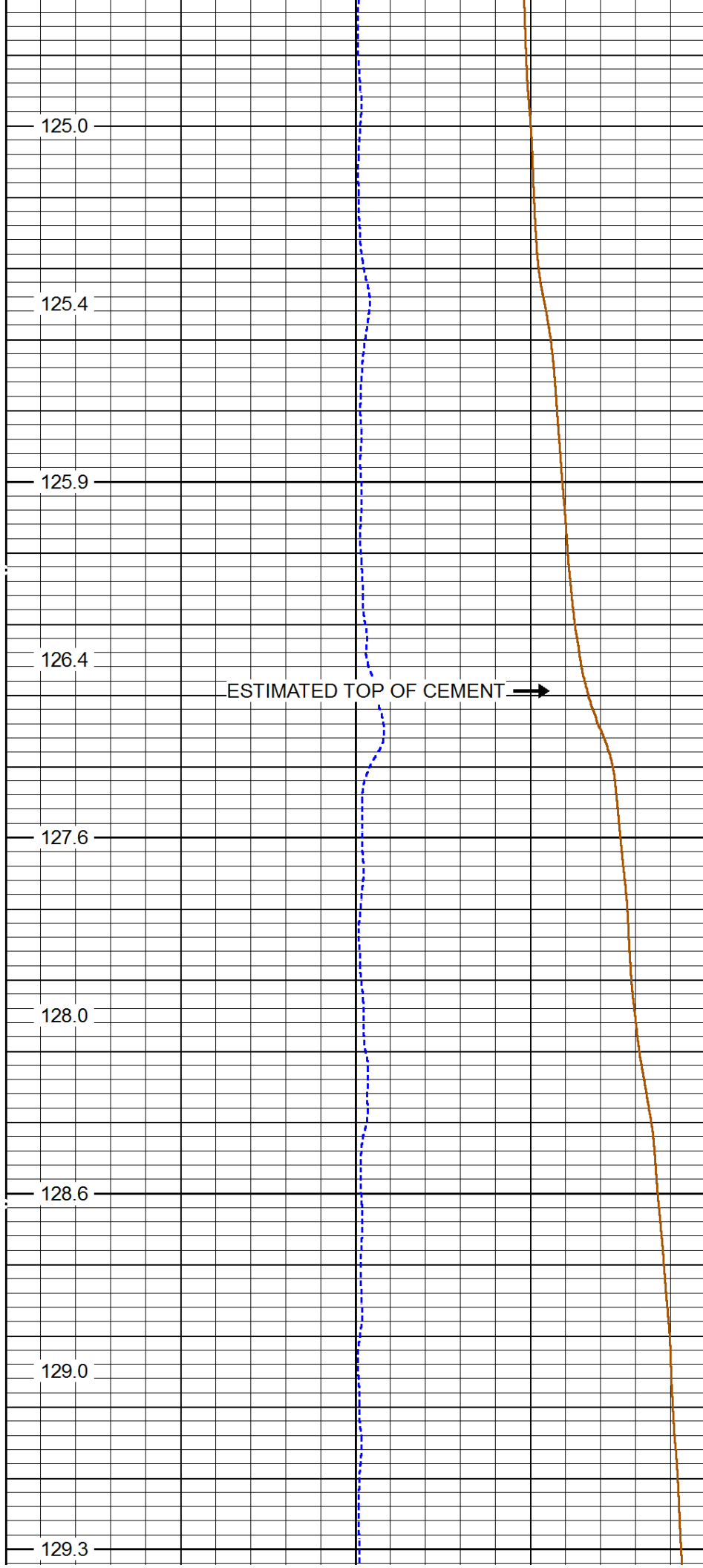
4200

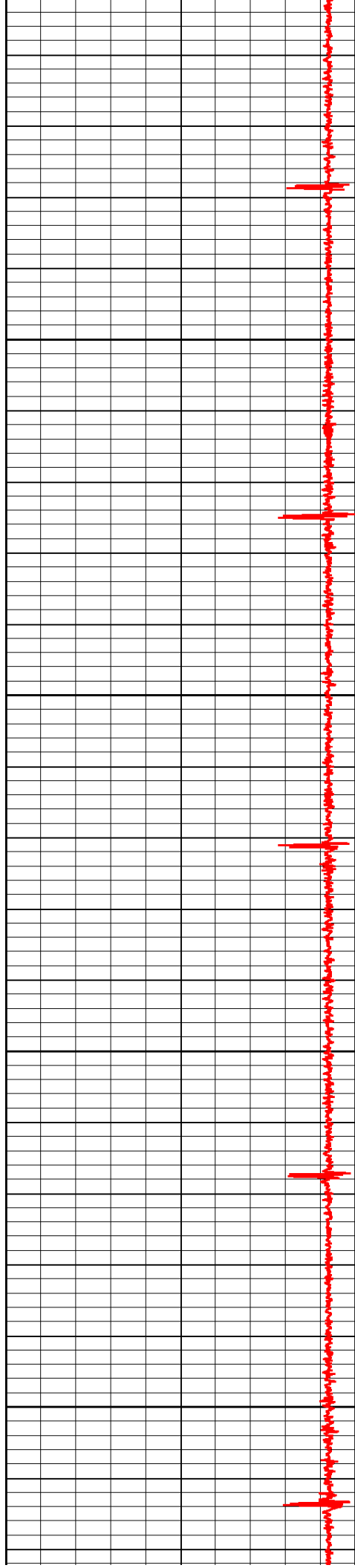




4300

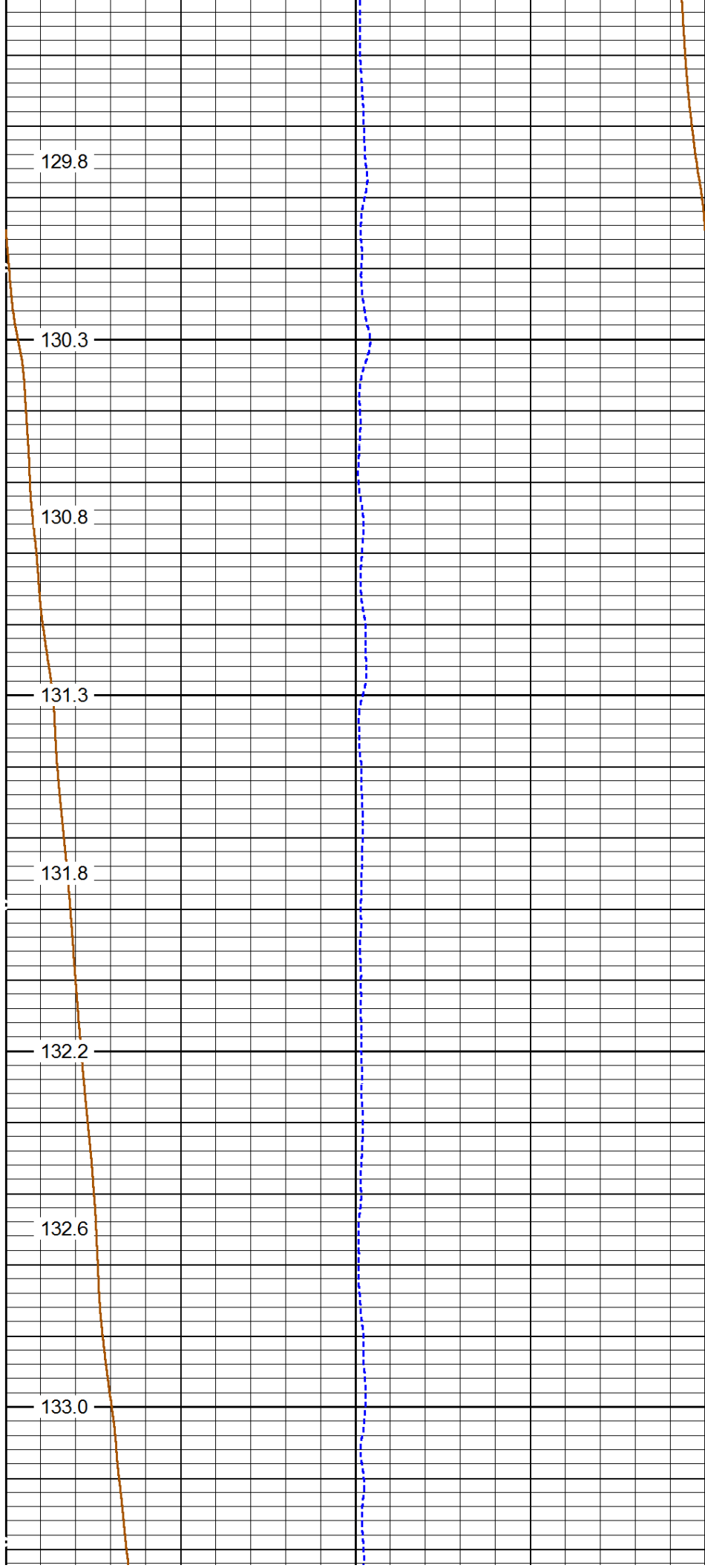
4400

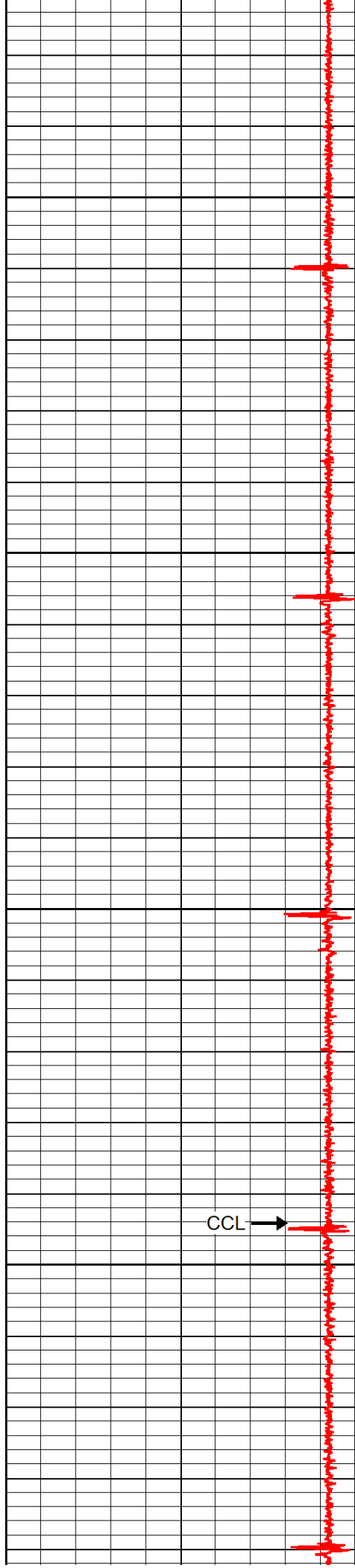




4500

4600

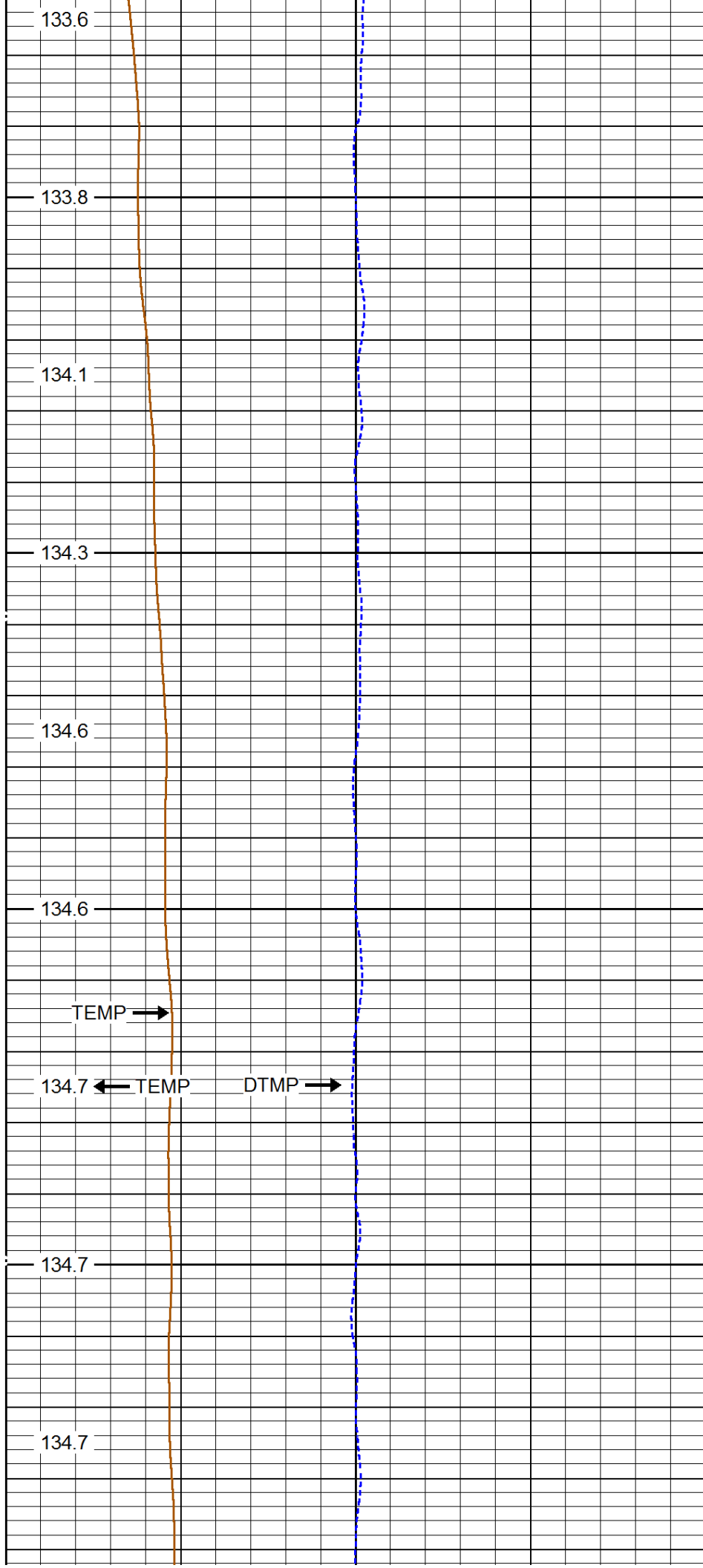




4700

4800

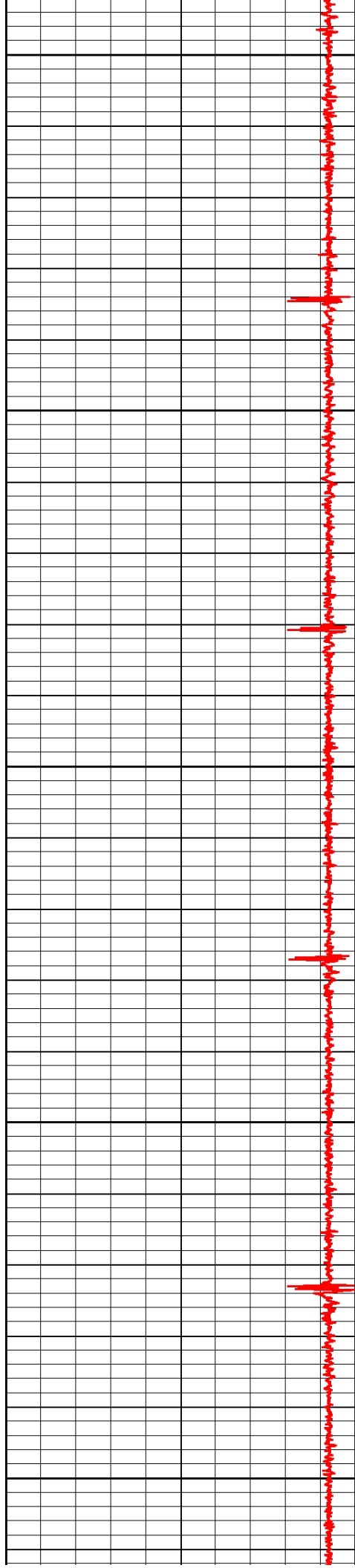
CCL →



TEMP →

← TEMP

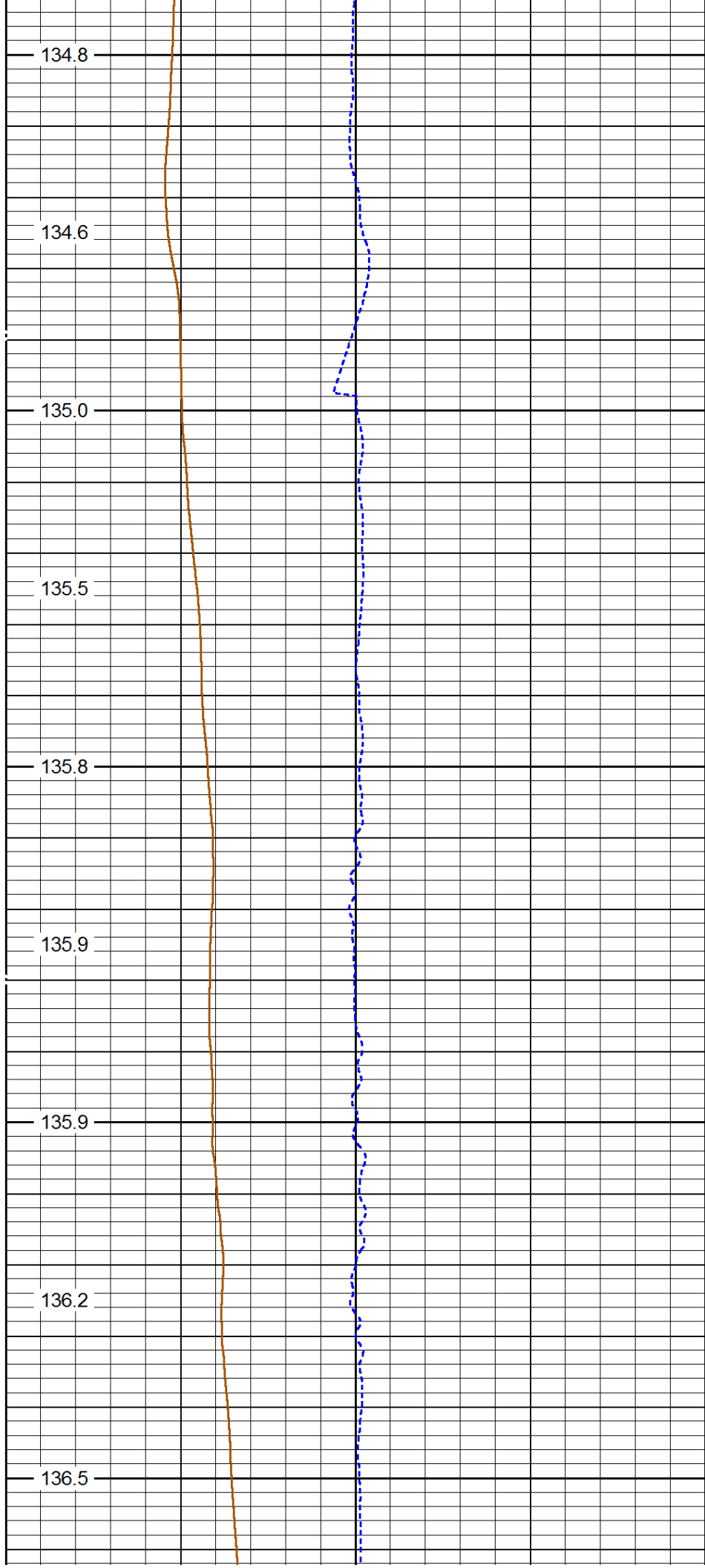
DTMP →



4900

5000

5100



134.8

134.6

135.0

135.5

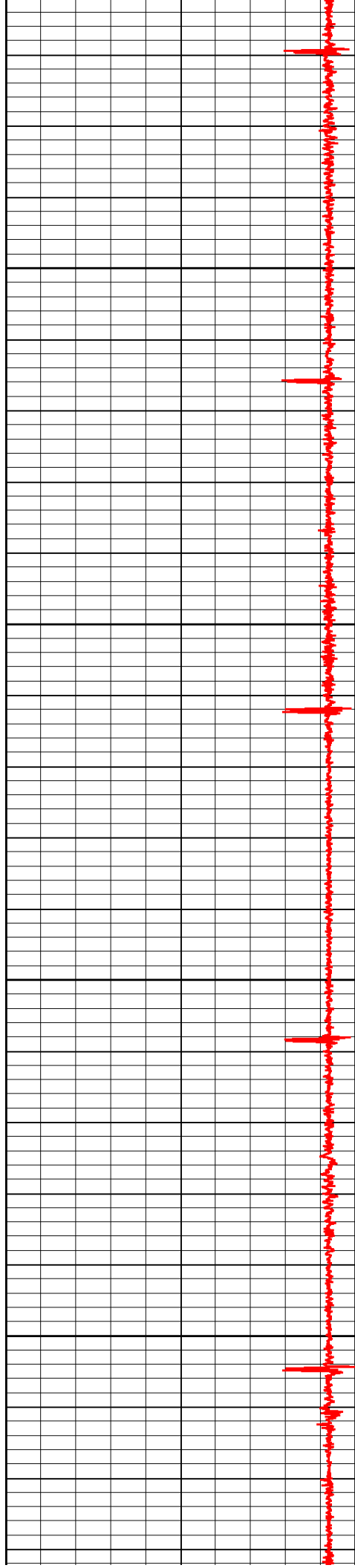
135.8

135.9

135.9

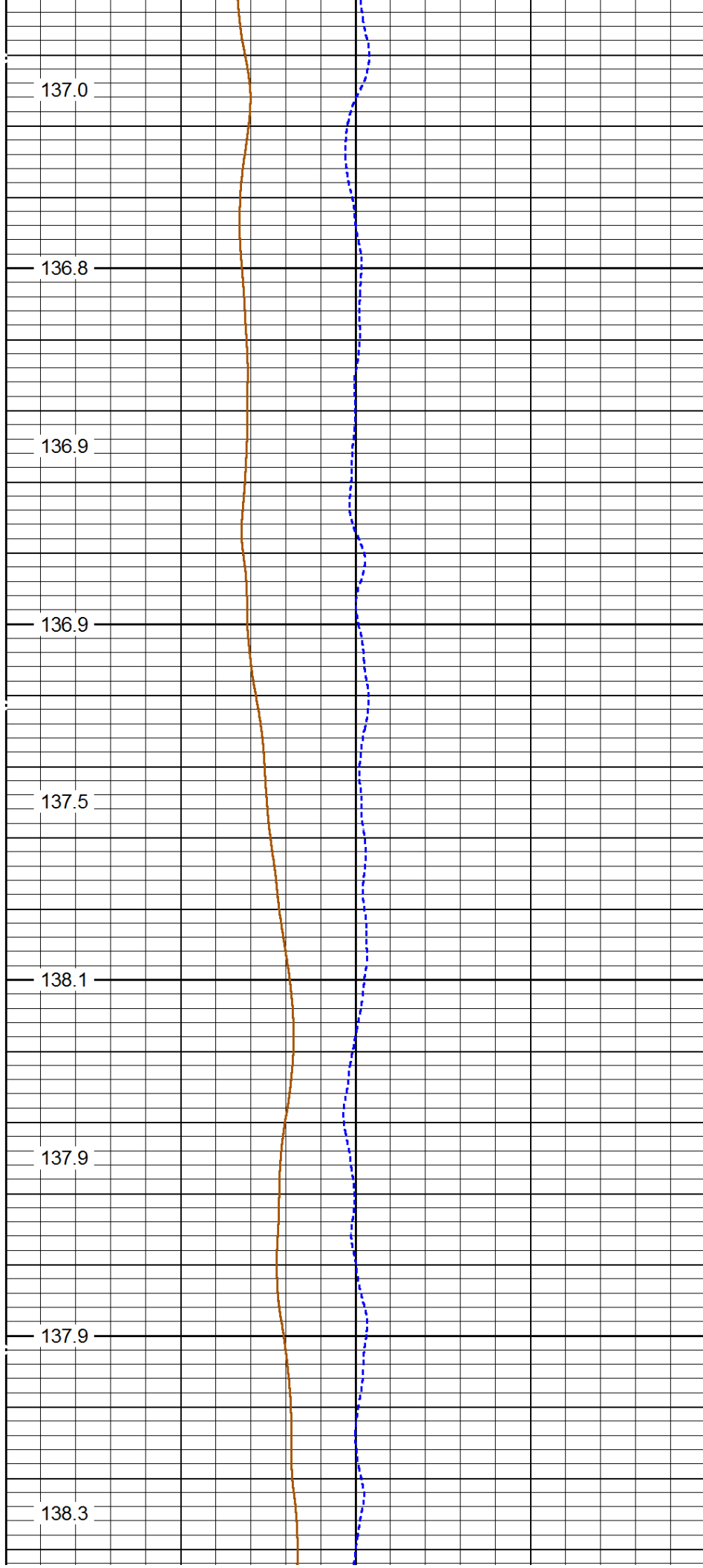
136.2

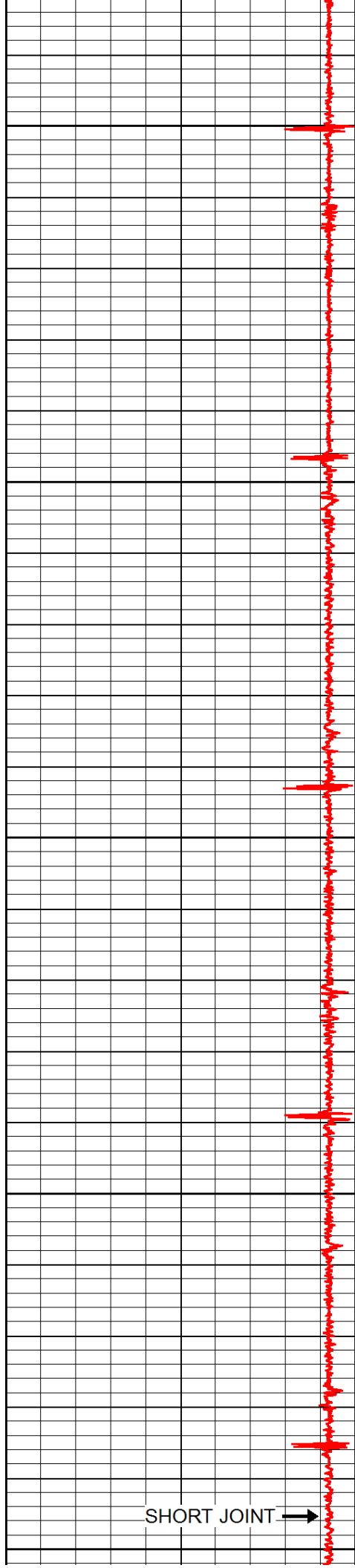
136.5



5200

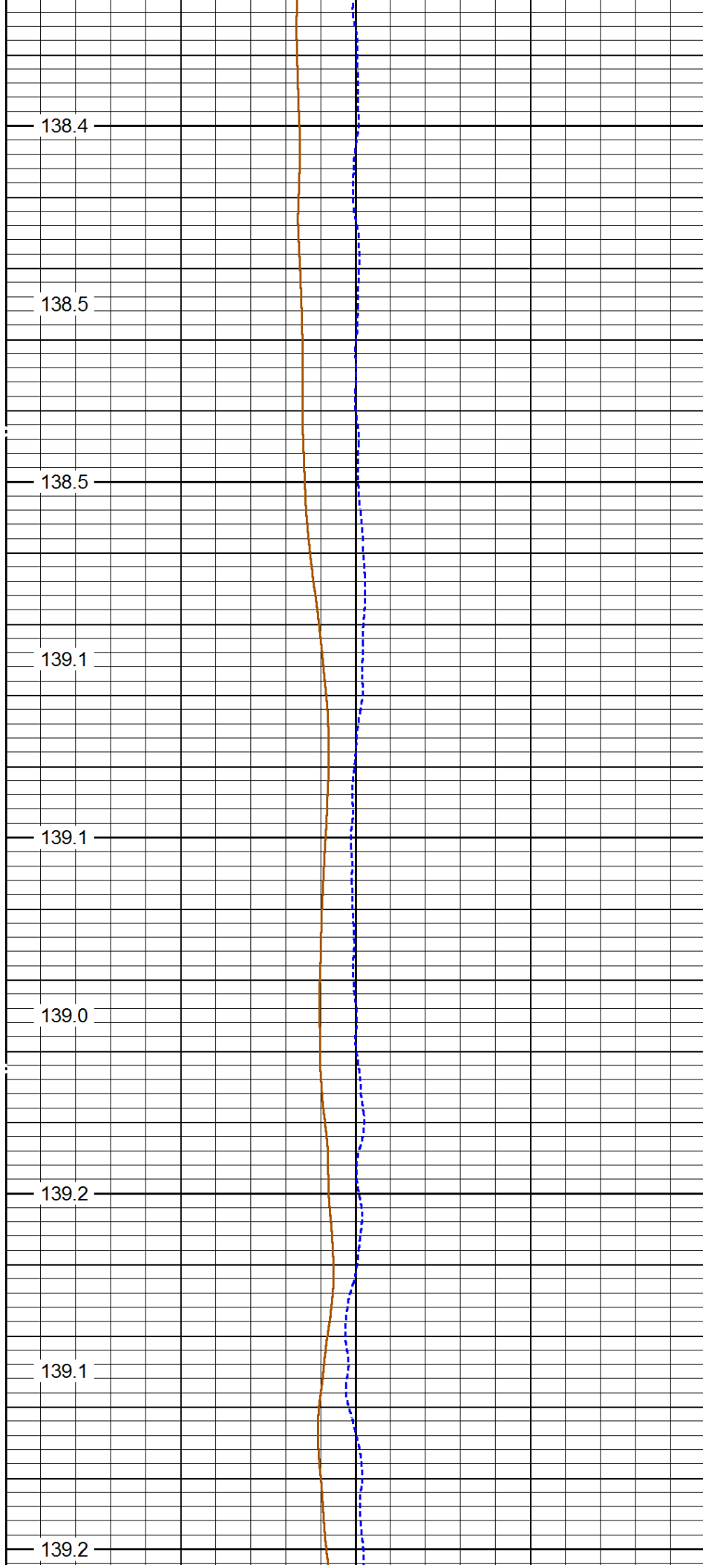
5300

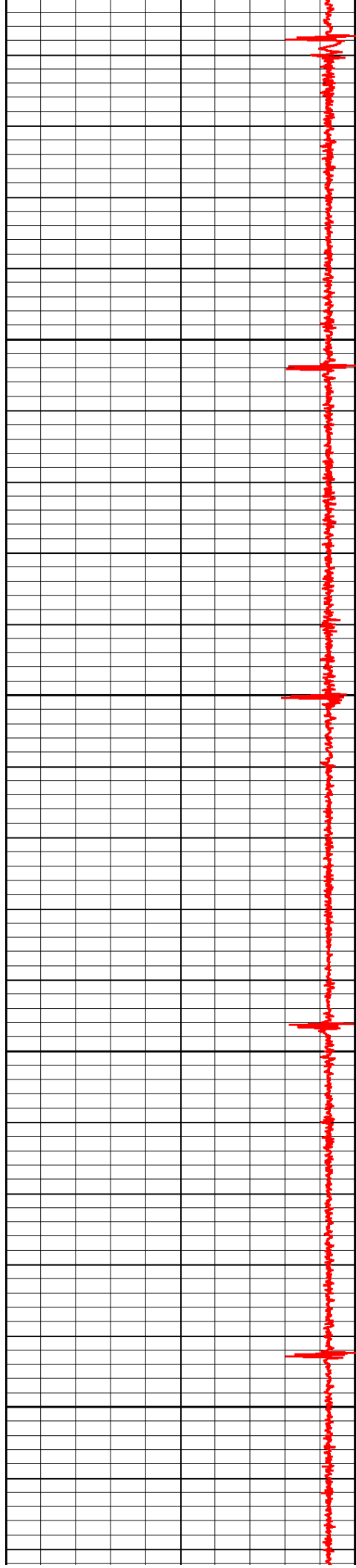




5400

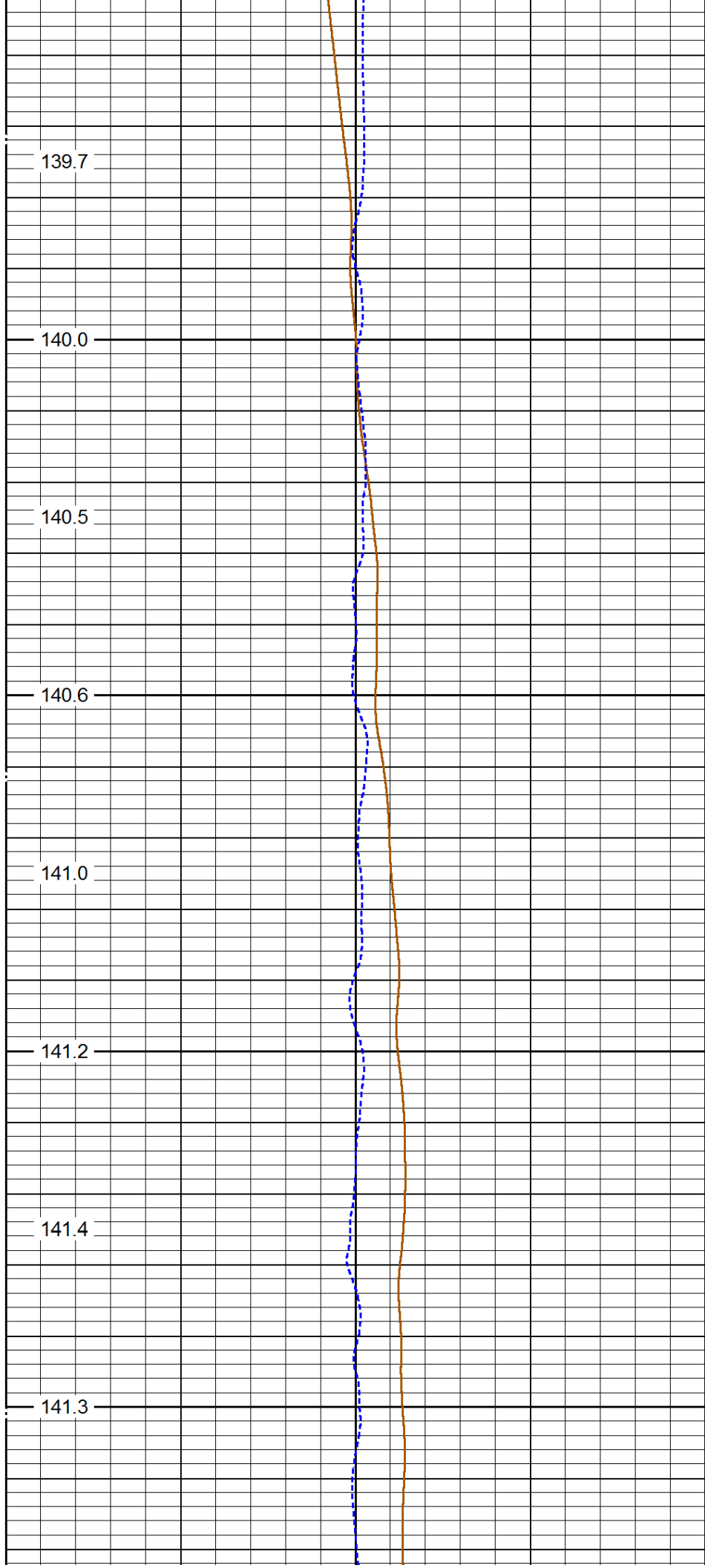
5500

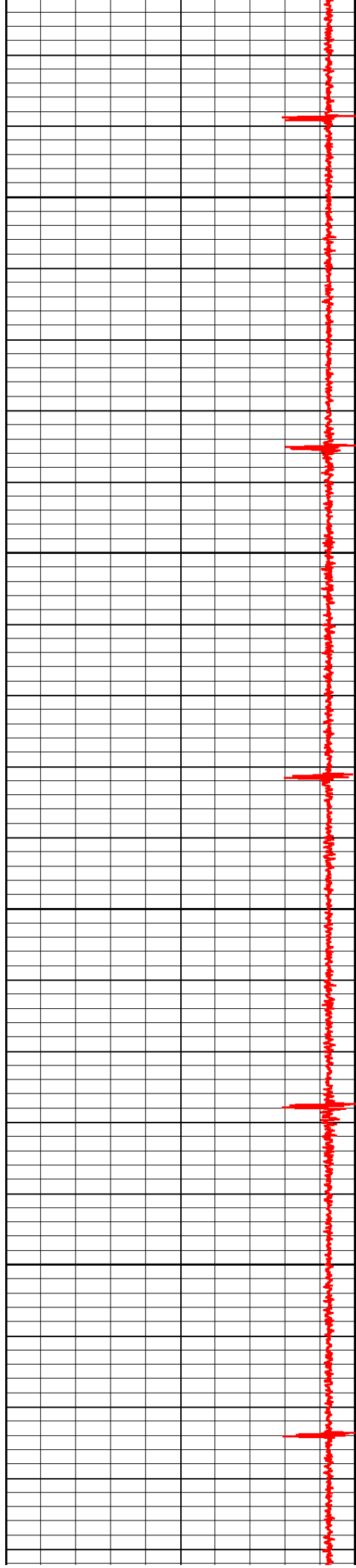




5600

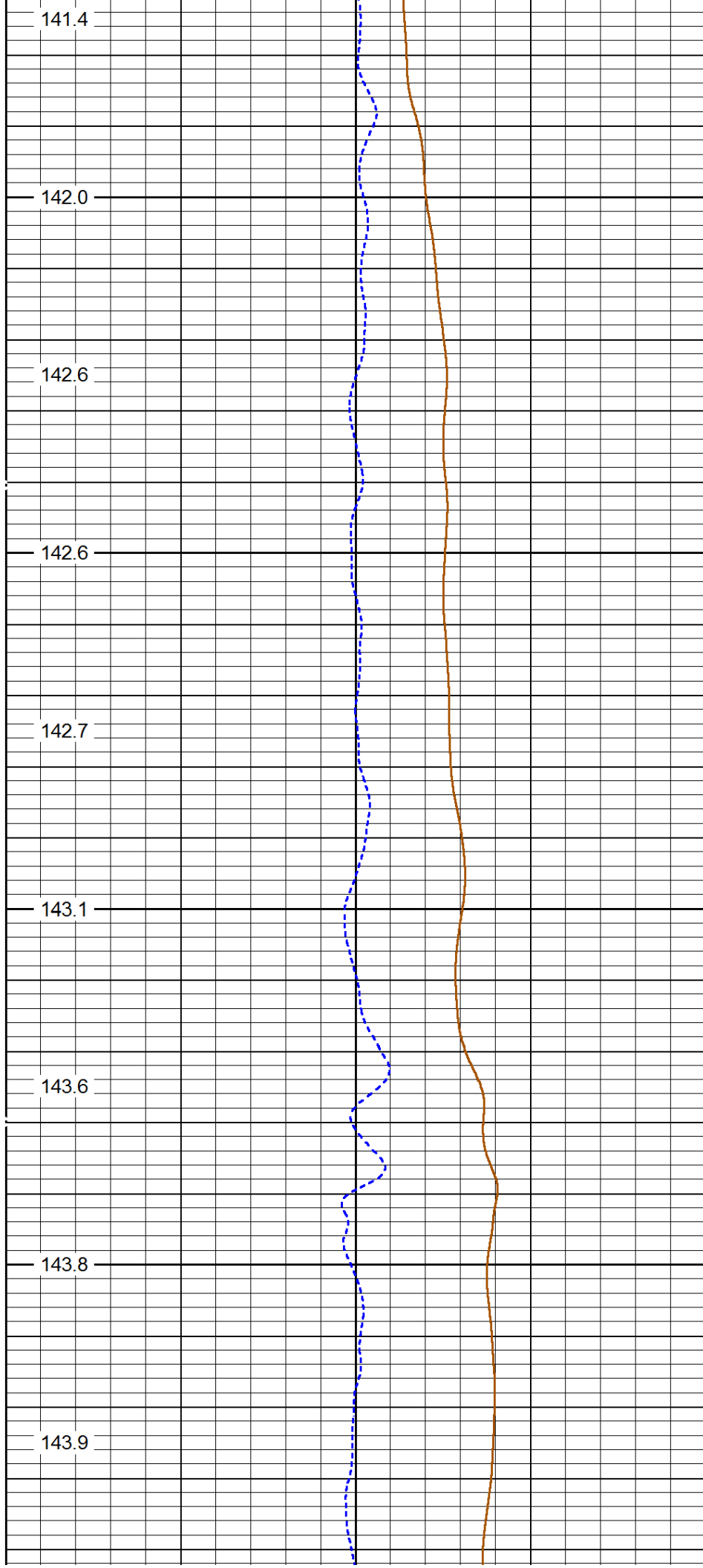
5700

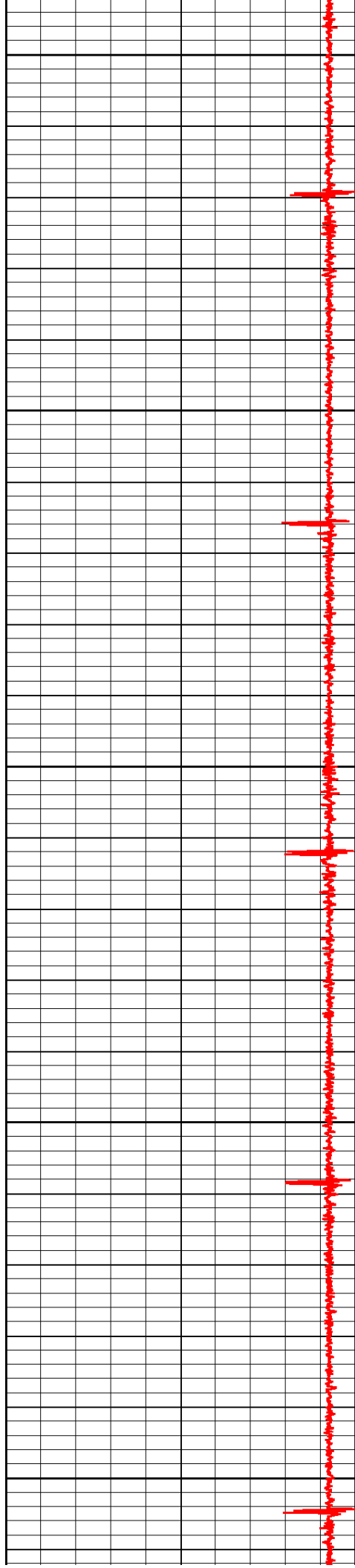




5800

5900

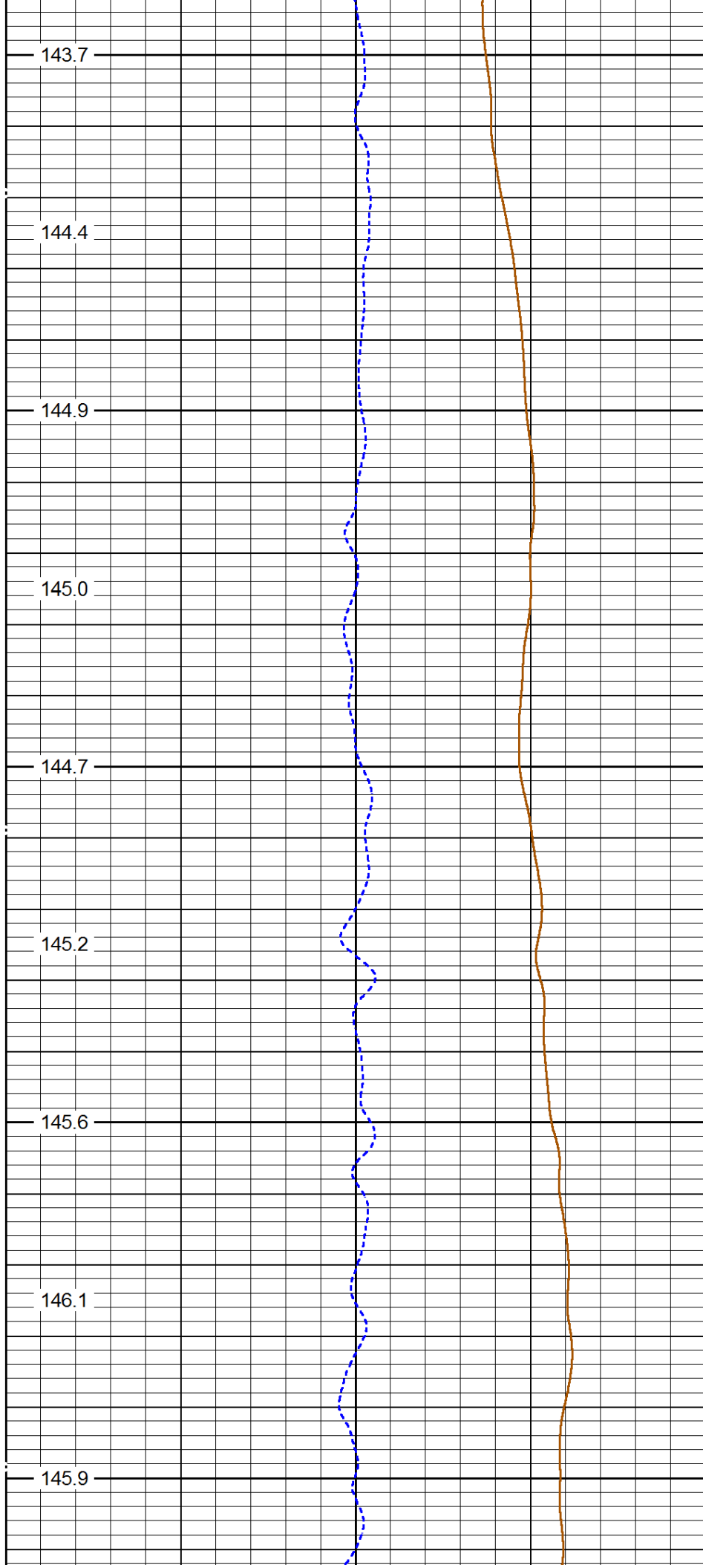


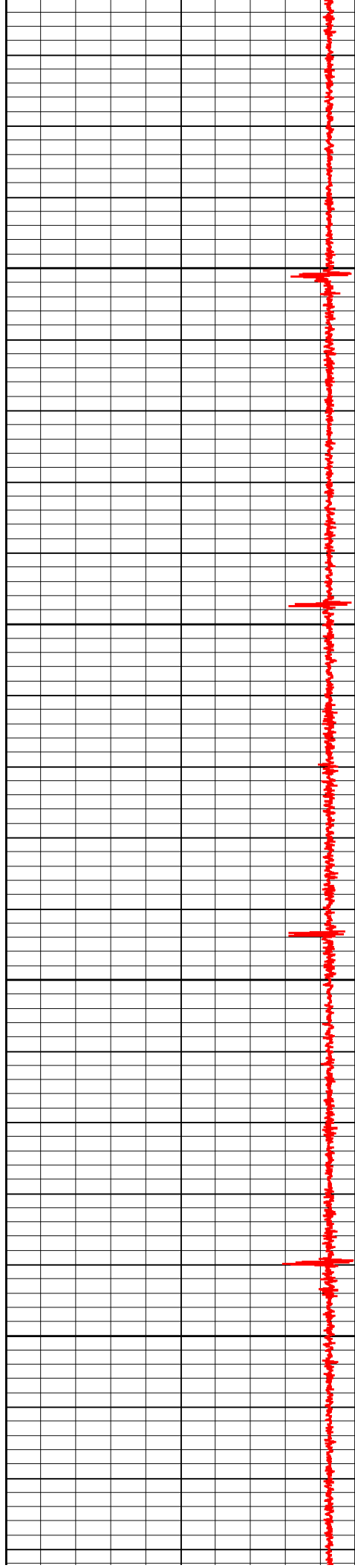


6000

6100

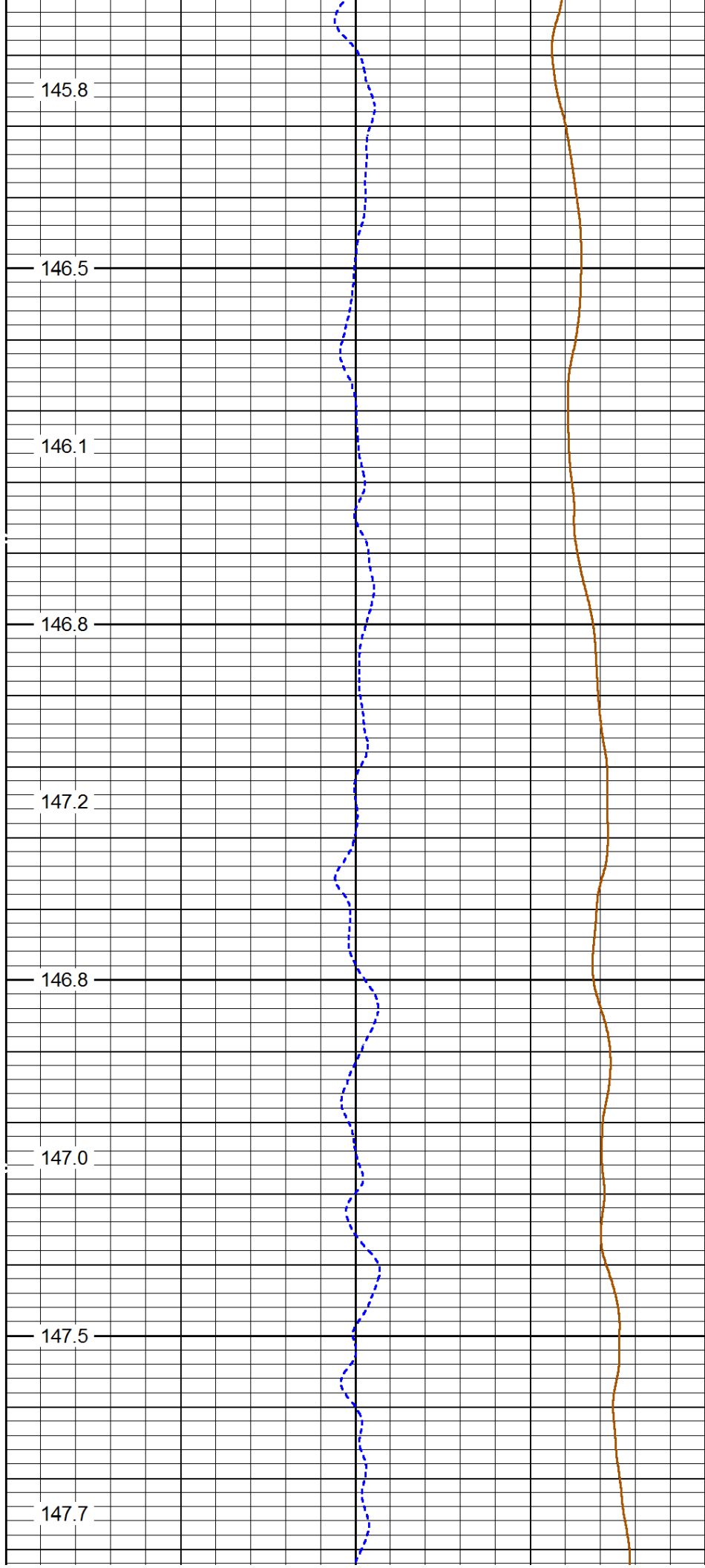
6200

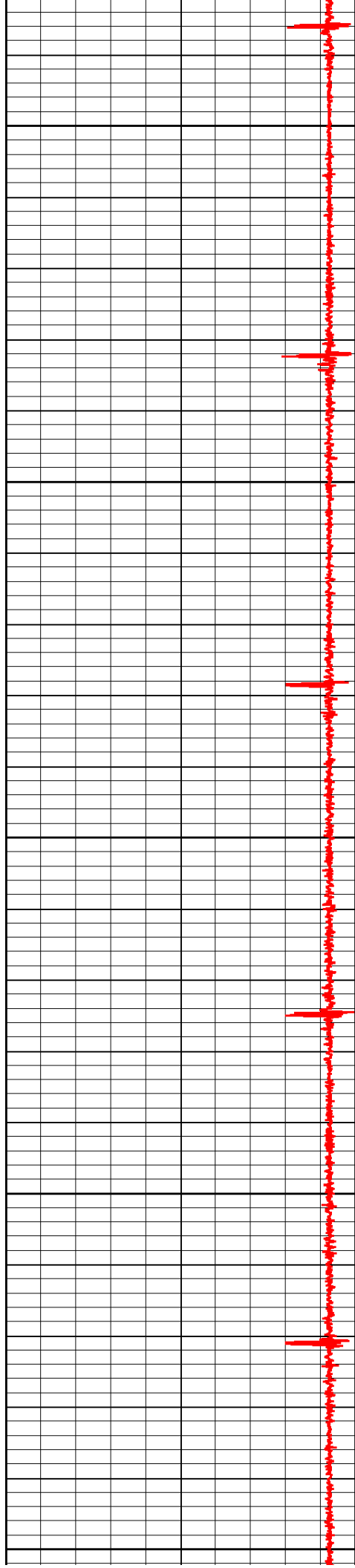




6300

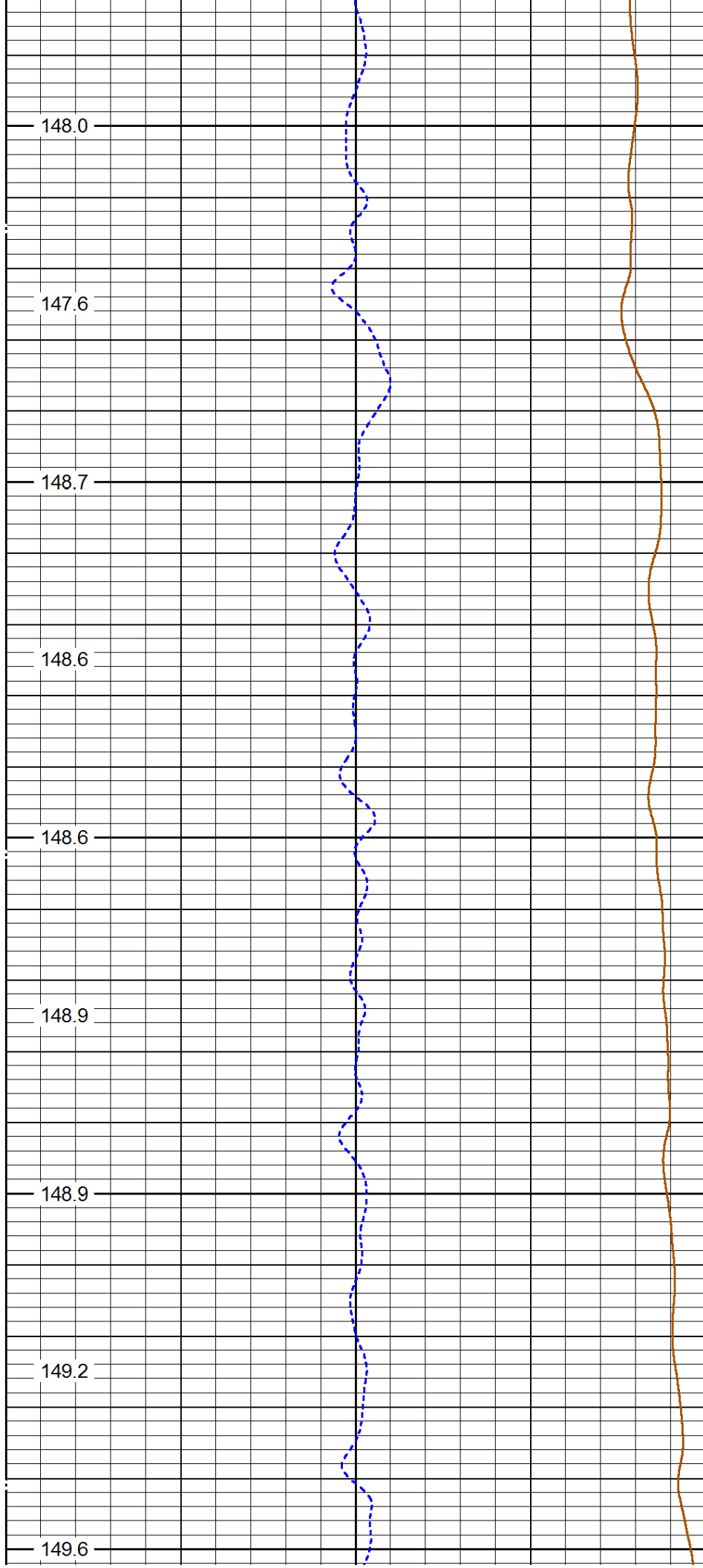
6400

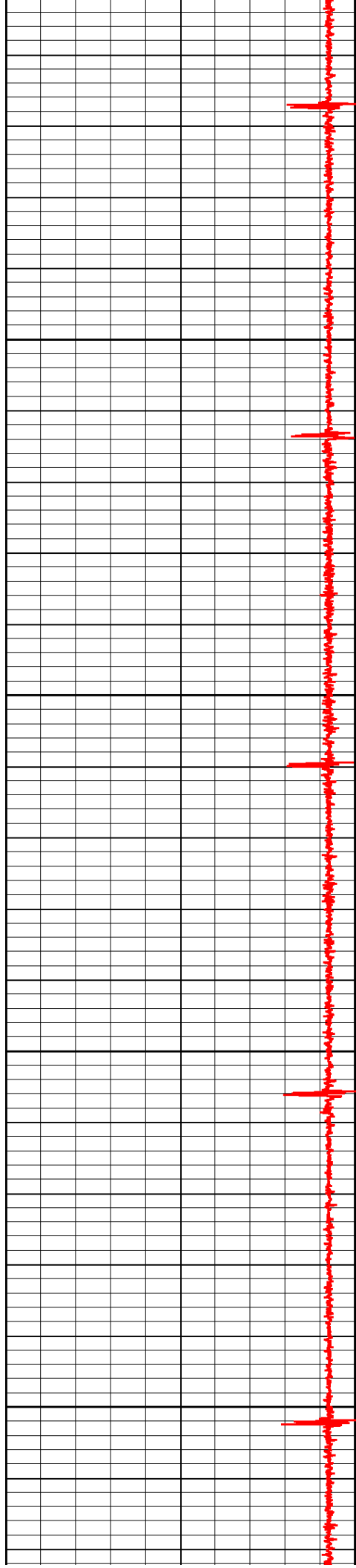




6500

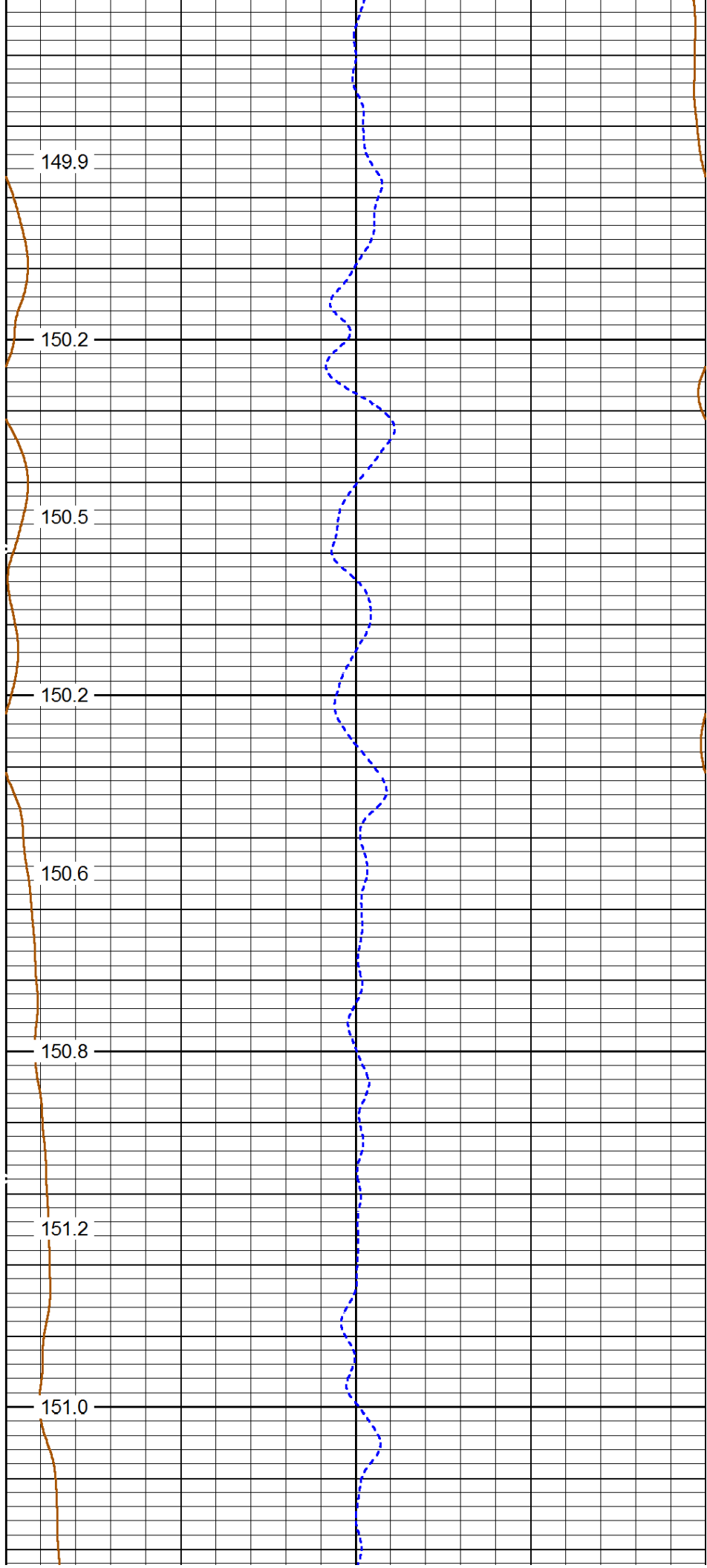
6600





6700

6800



149.9

150.2

150.5

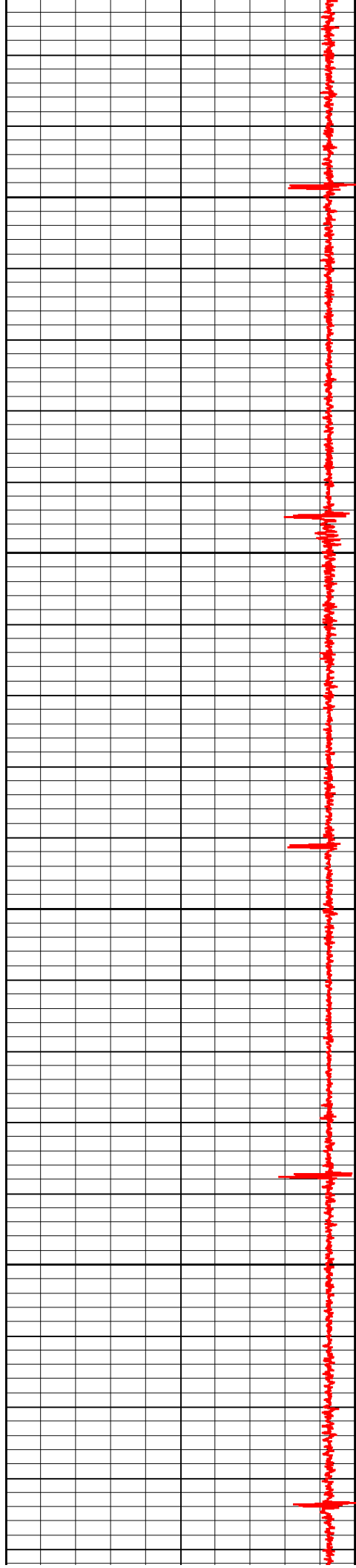
150.2

150.6

150.8

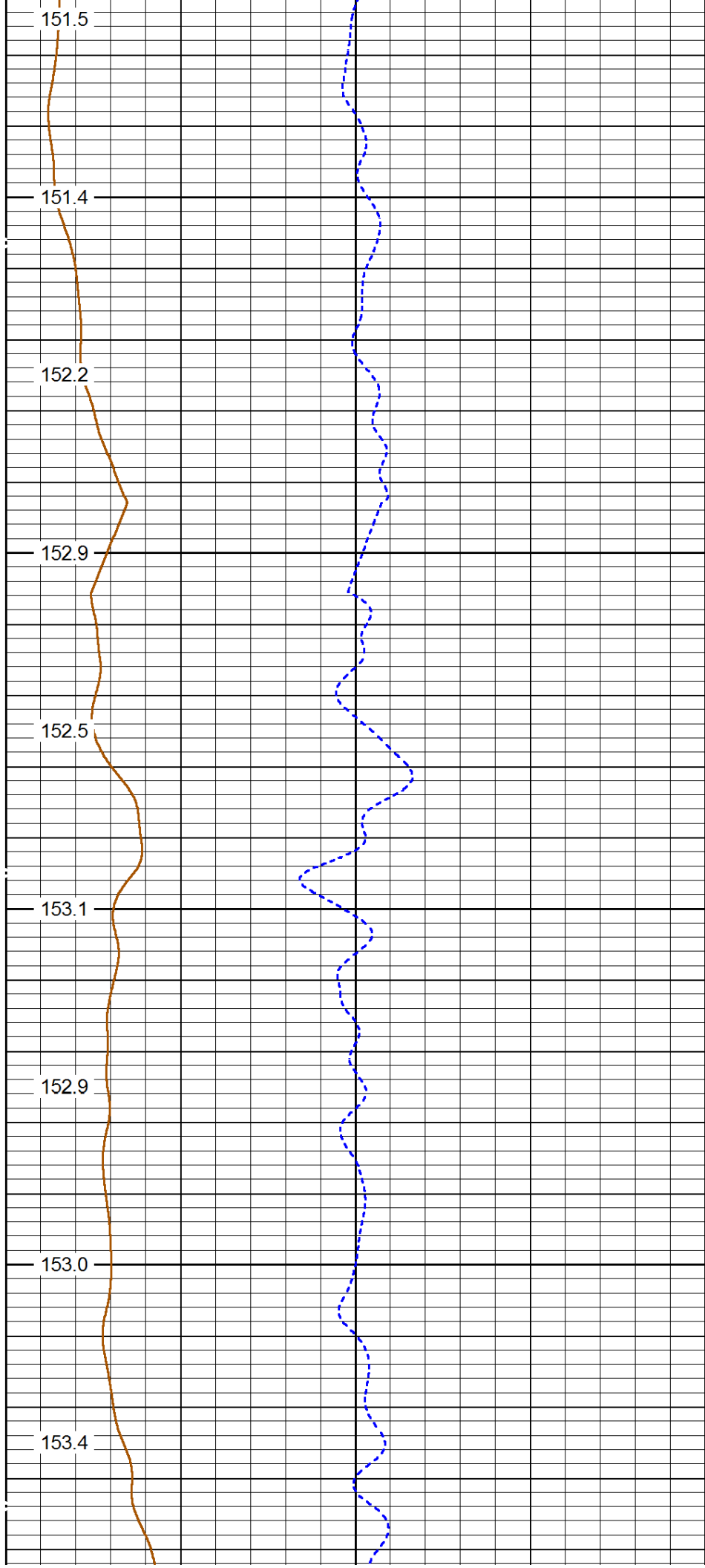
151.2

151.0



6900

7000



151.5

151.4

152.2

152.9

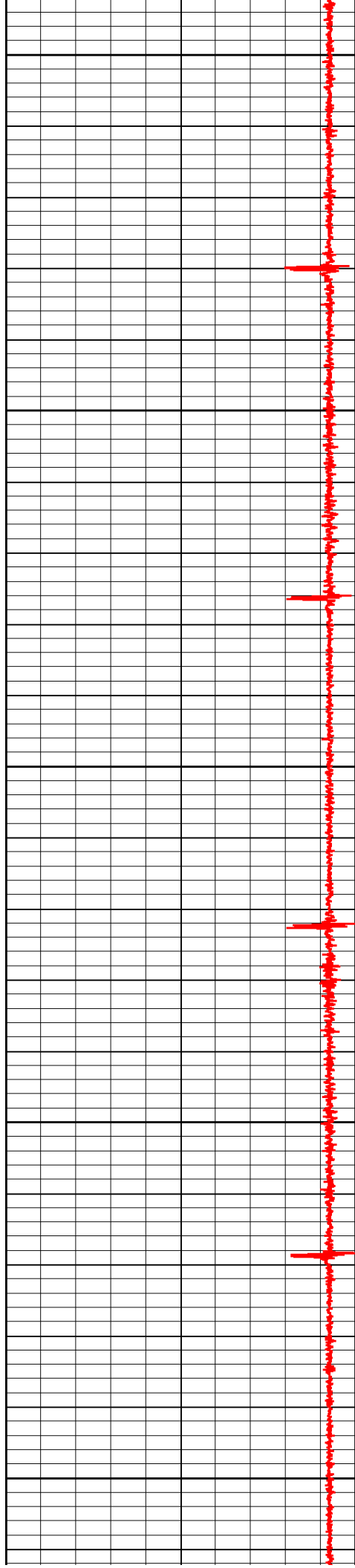
152.5

153.1

152.9

153.0

153.4



7100

7200

7300

154.4

154.2

154.6

154.1

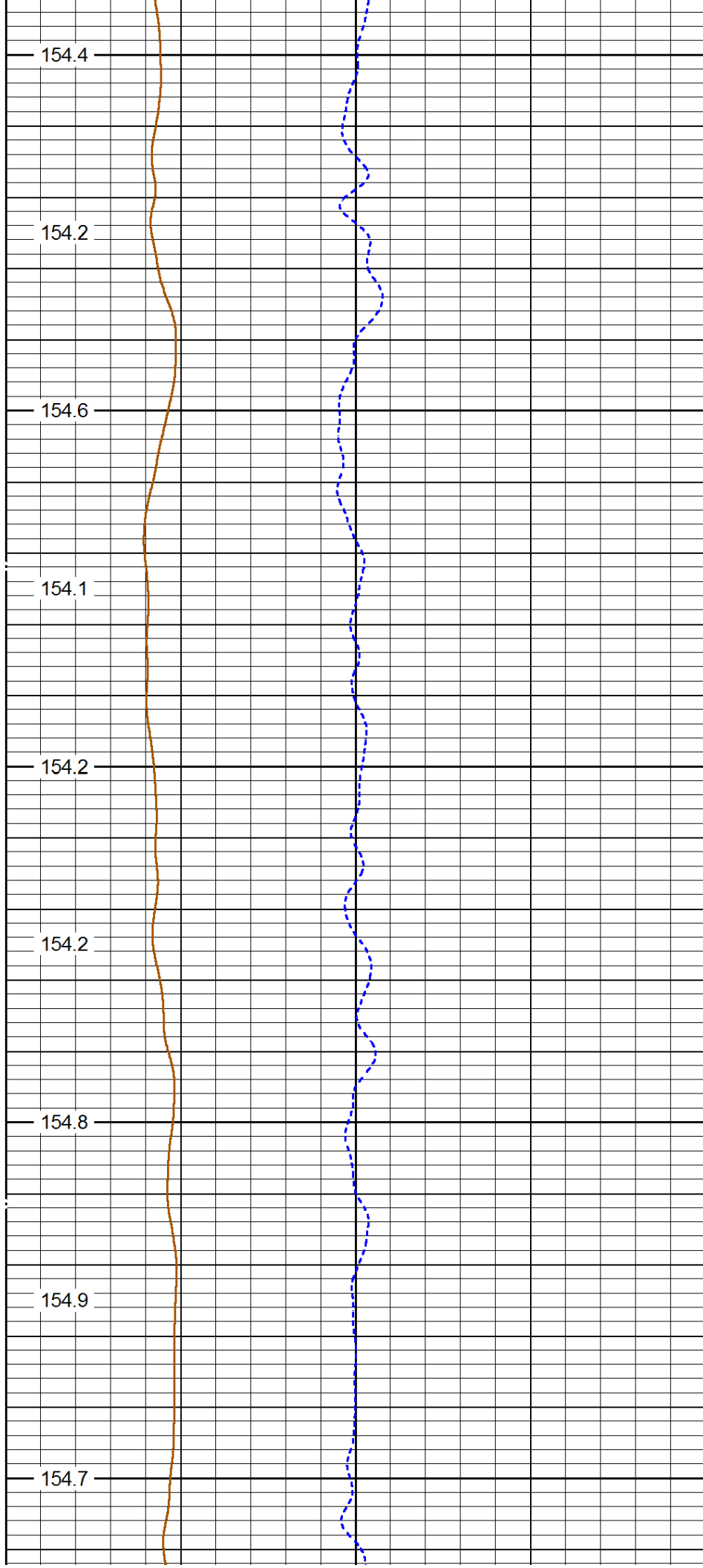
154.2

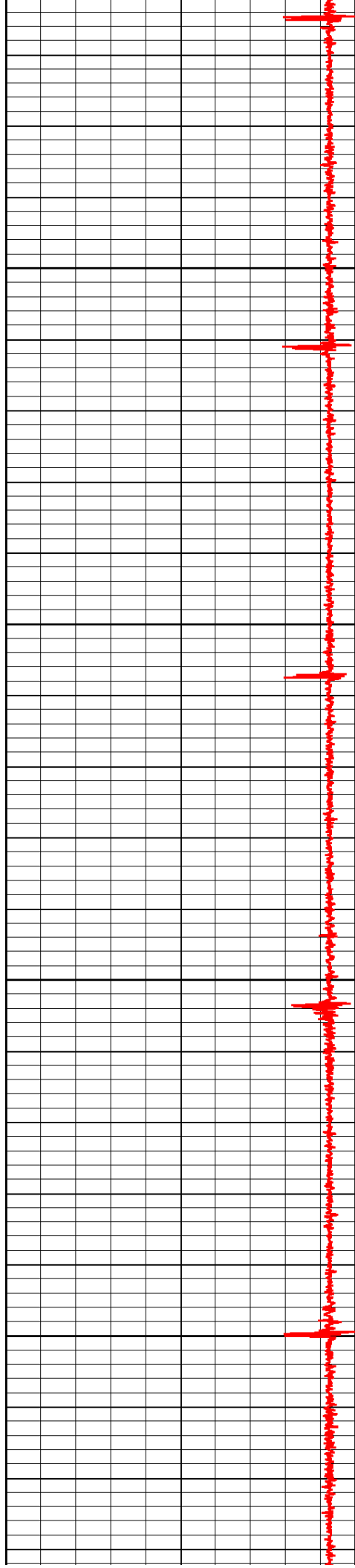
154.2

154.8

154.9

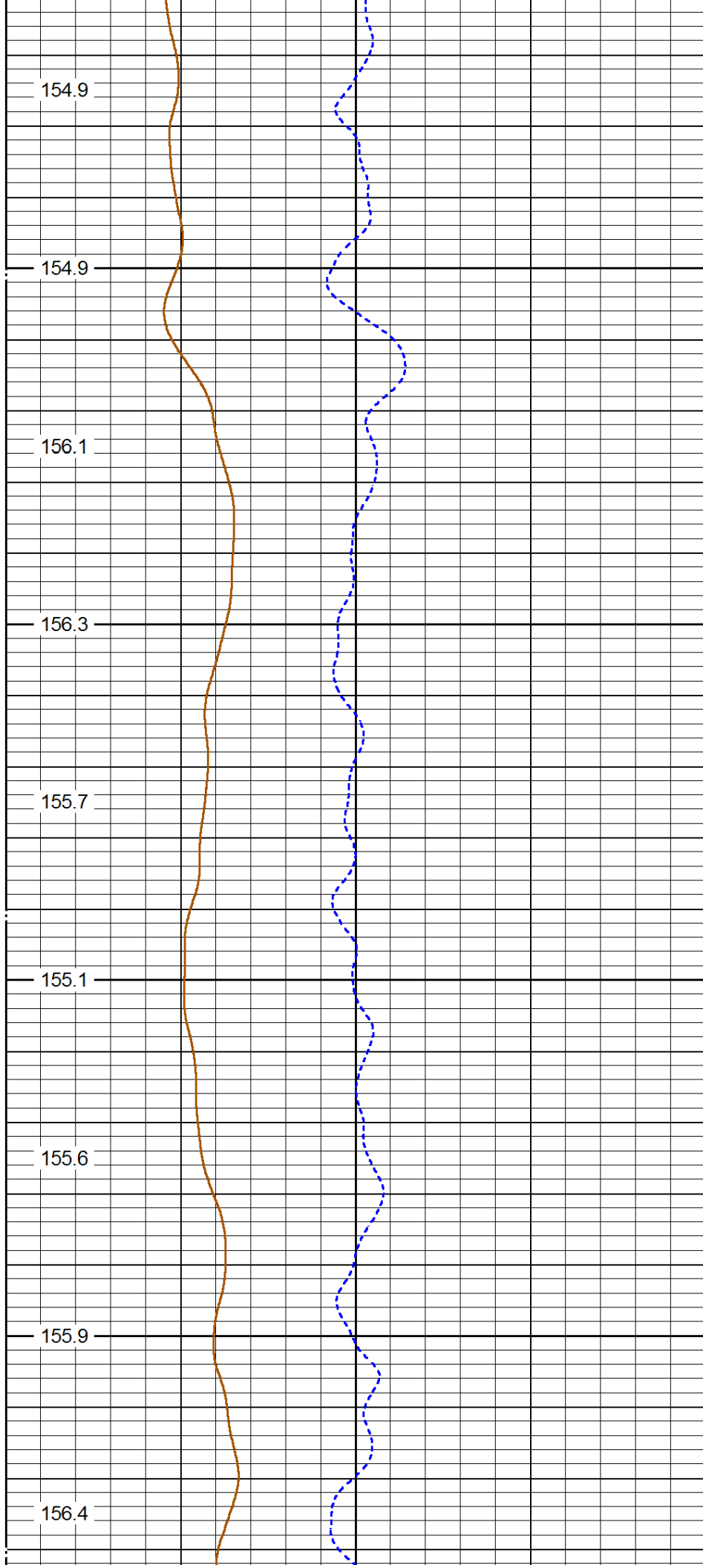
154.7

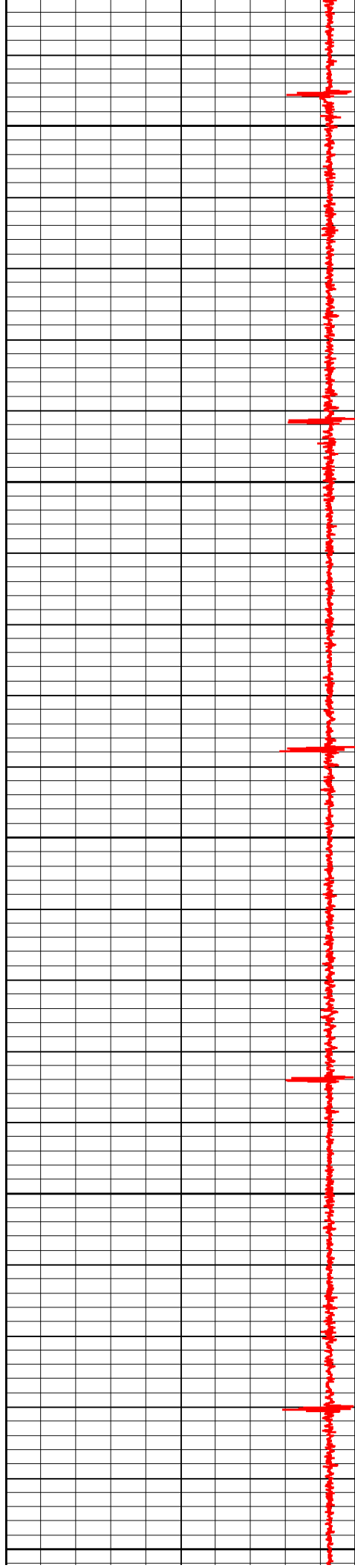




7400

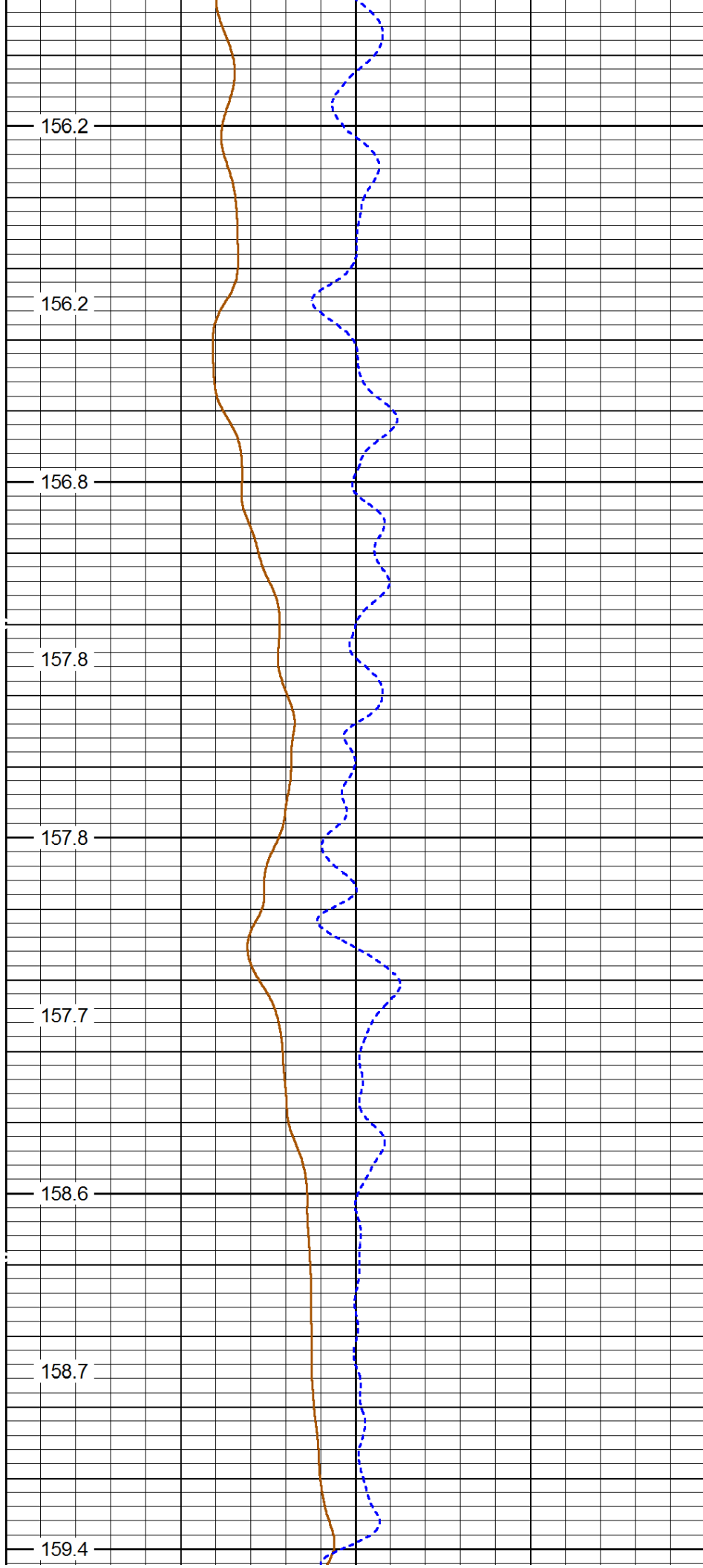
7500

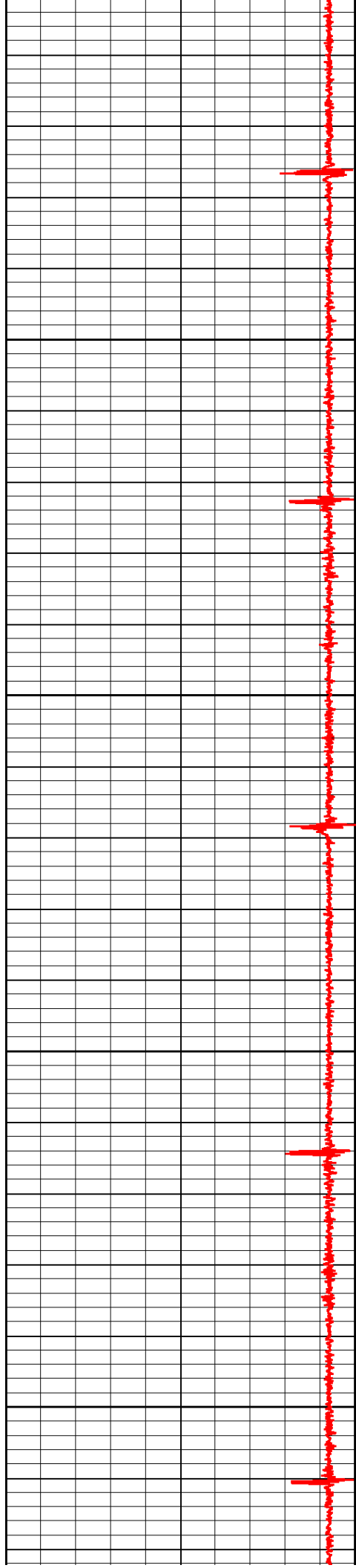




7600

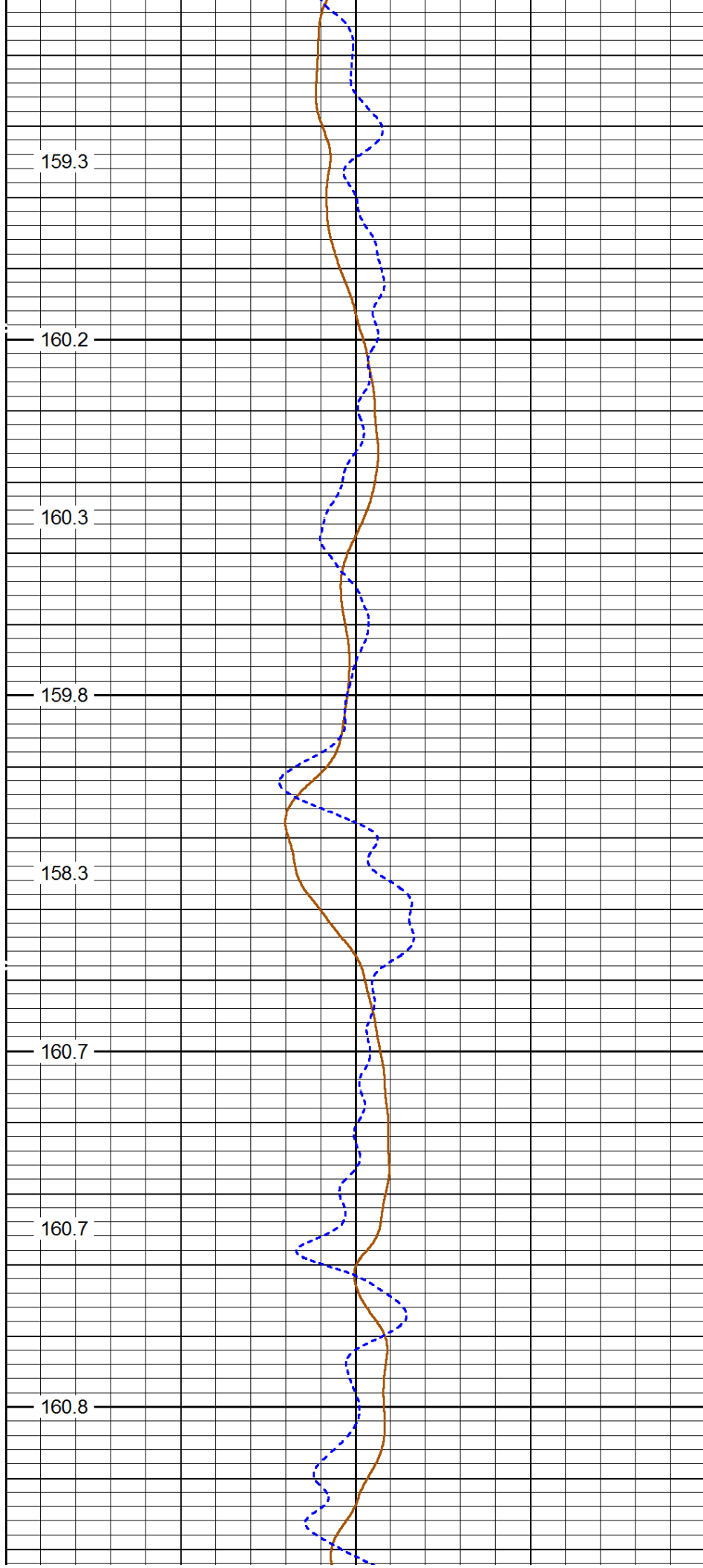
7700





7800

7900



159.3

160.2

160.3

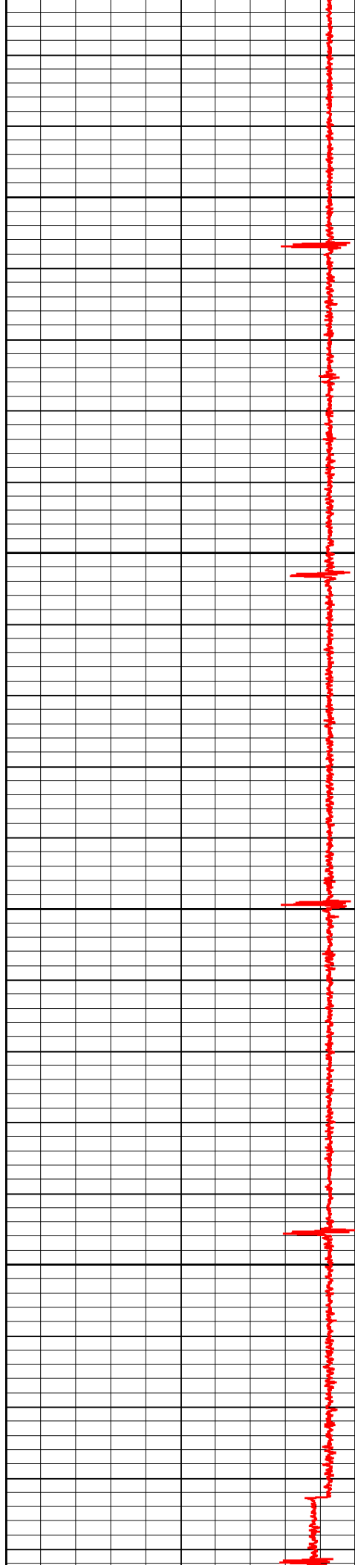
159.8

158.3

160.7

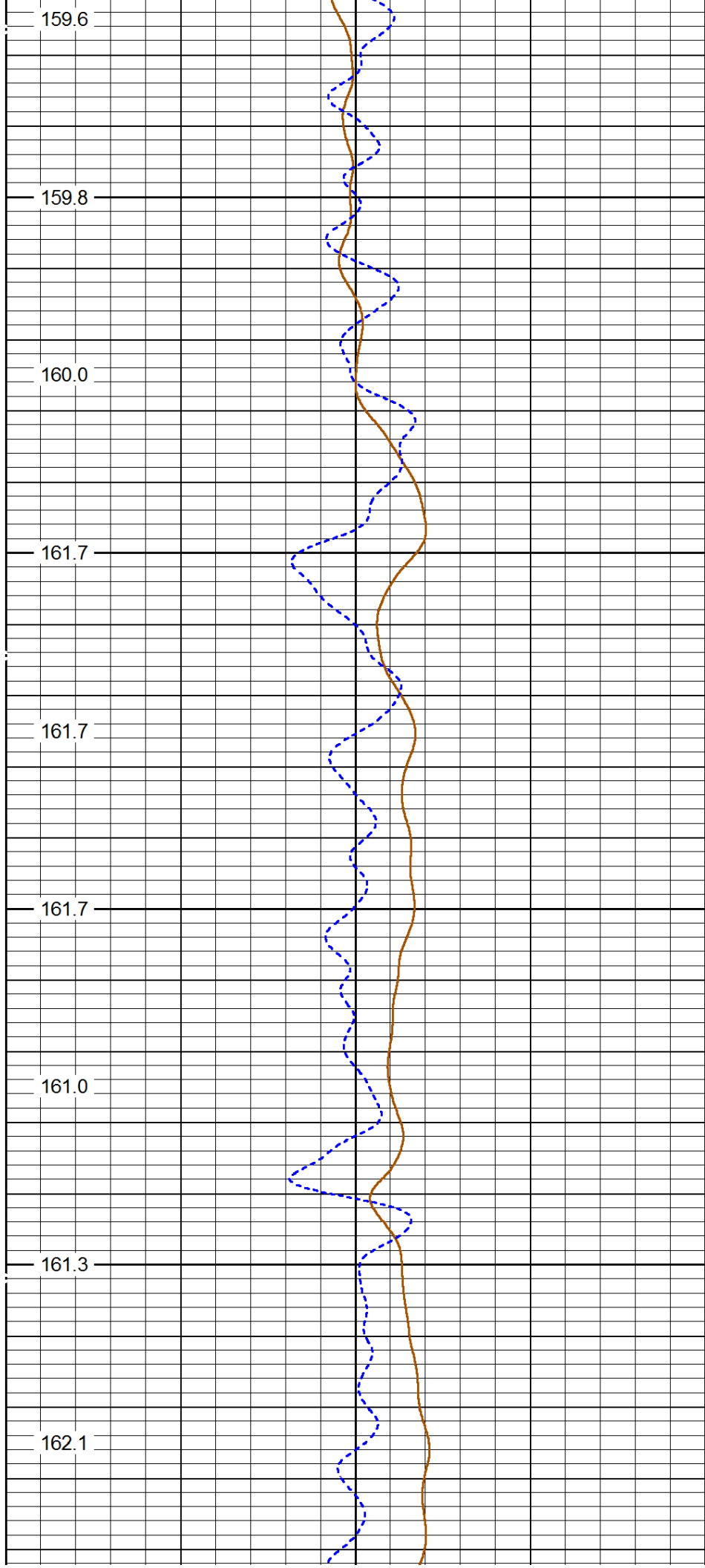
160.7

160.8



8000

8100



159.6

159.8

160.0

161.7

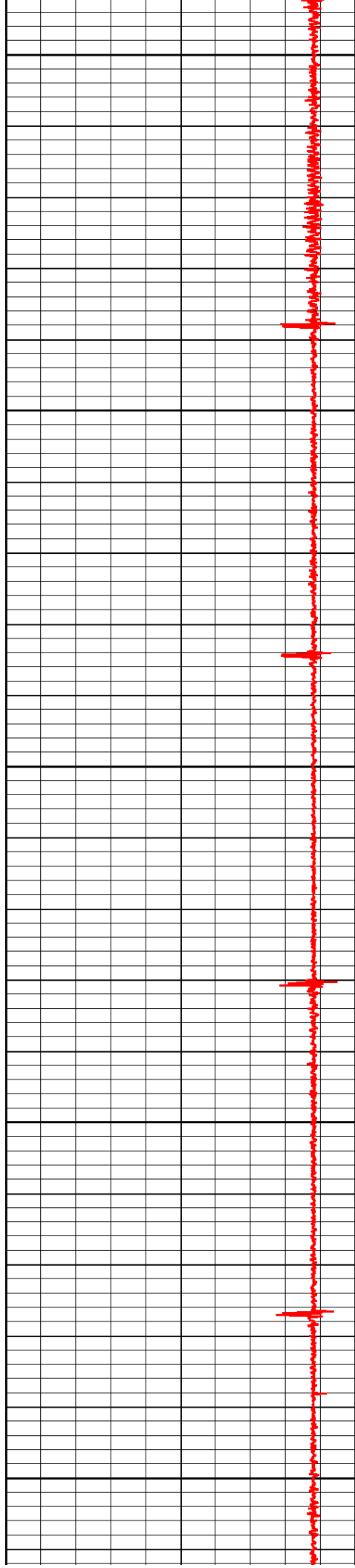
161.7

161.7

161.0

161.3

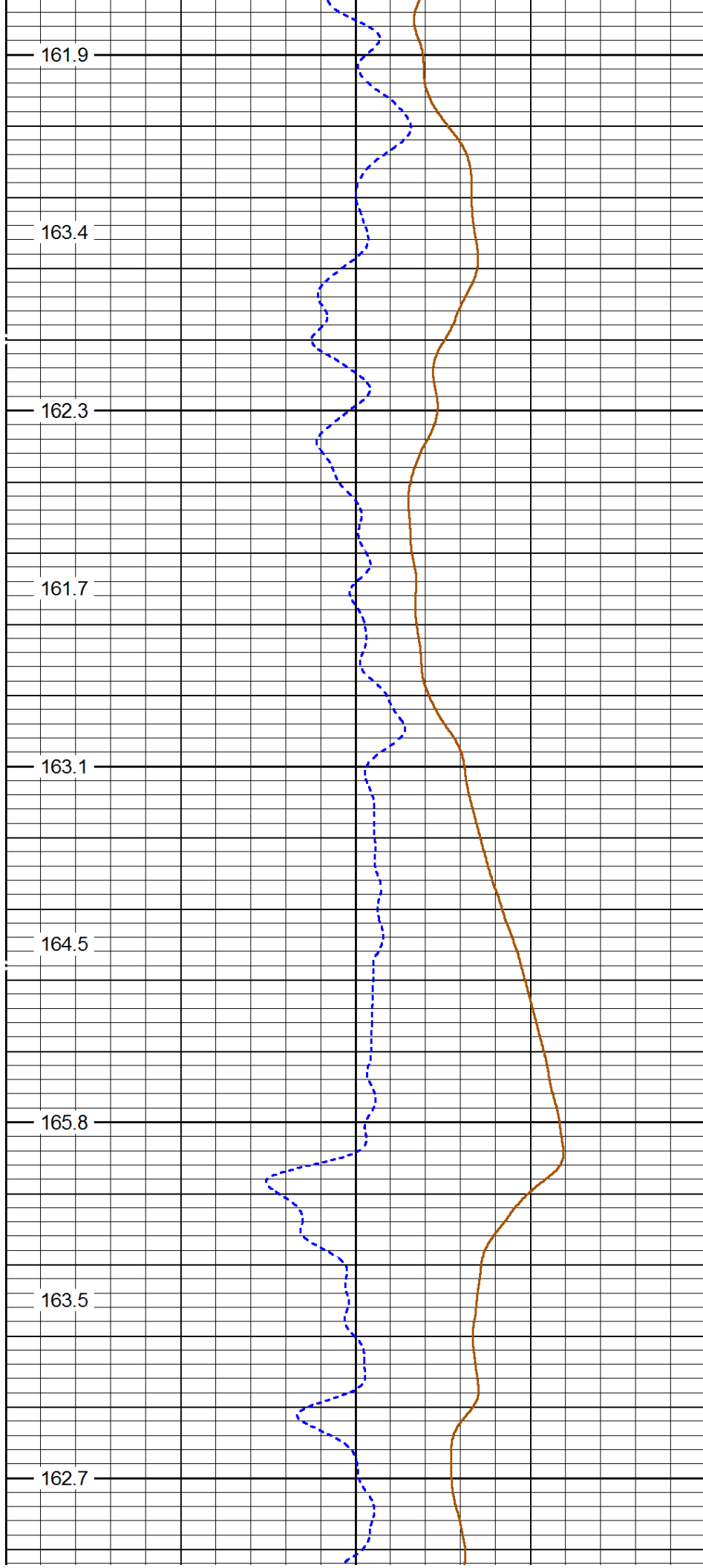
162.1



8200

8300

8400



161.9

163.4

162.3

161.7

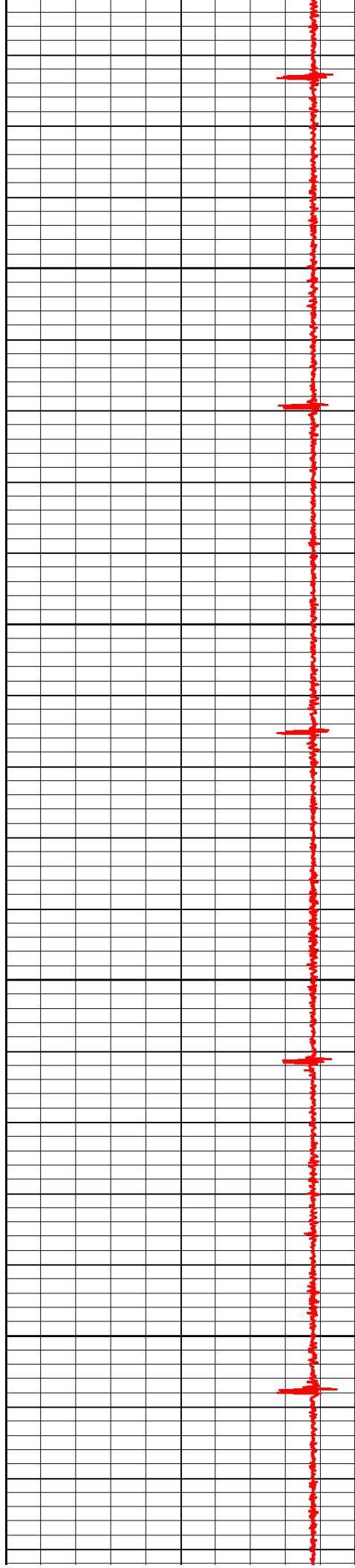
163.1

164.5

165.8

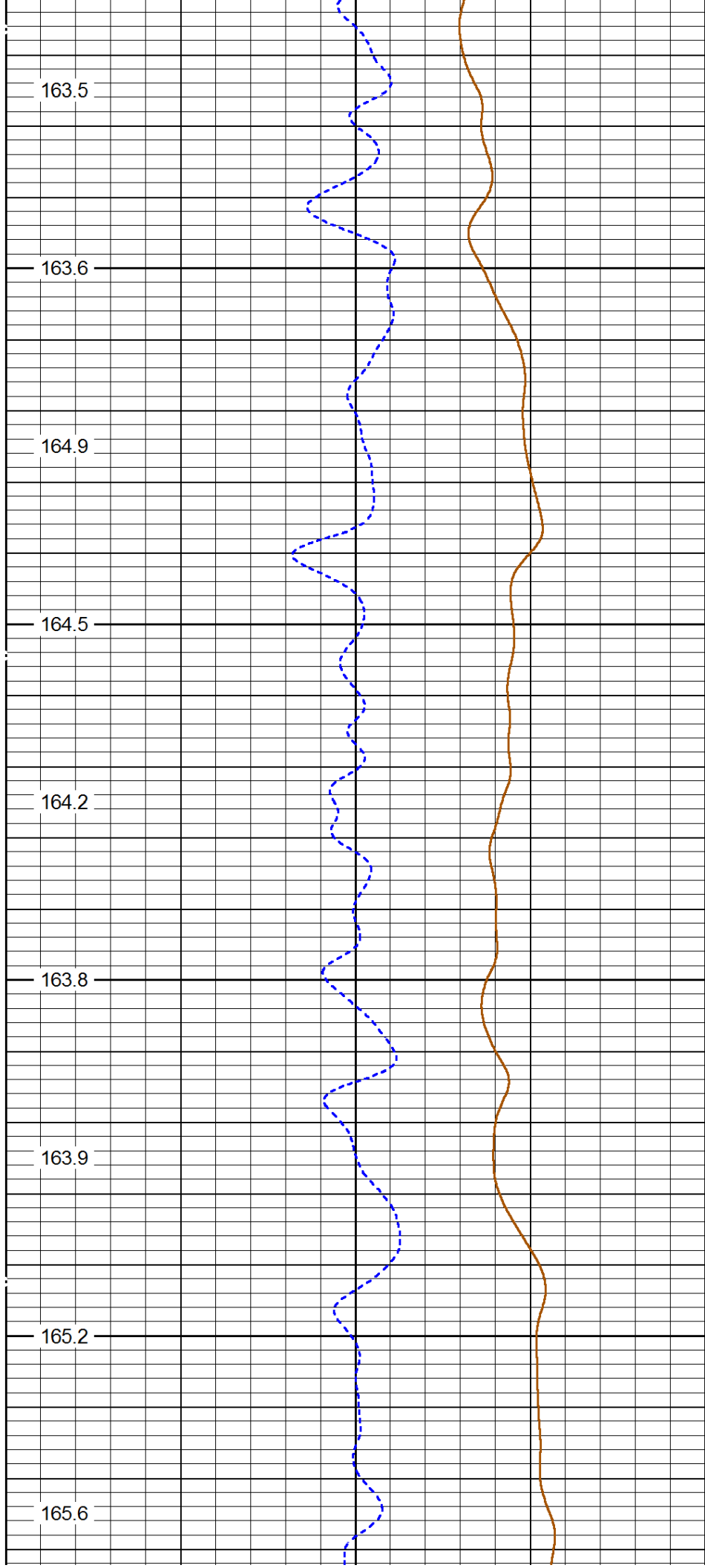
163.5

162.7



8500

8600



163.5

163.6

164.9

164.5

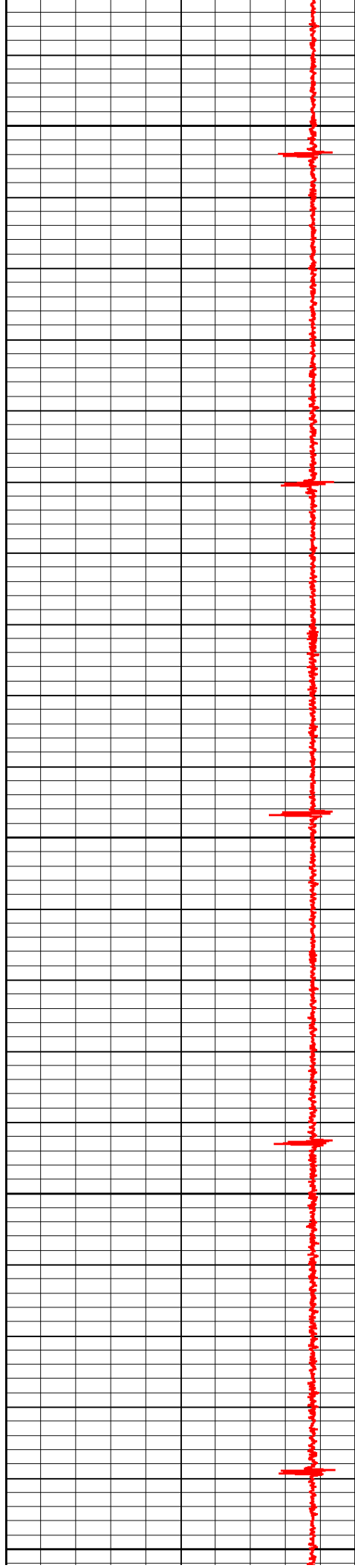
164.2

163.8

163.9

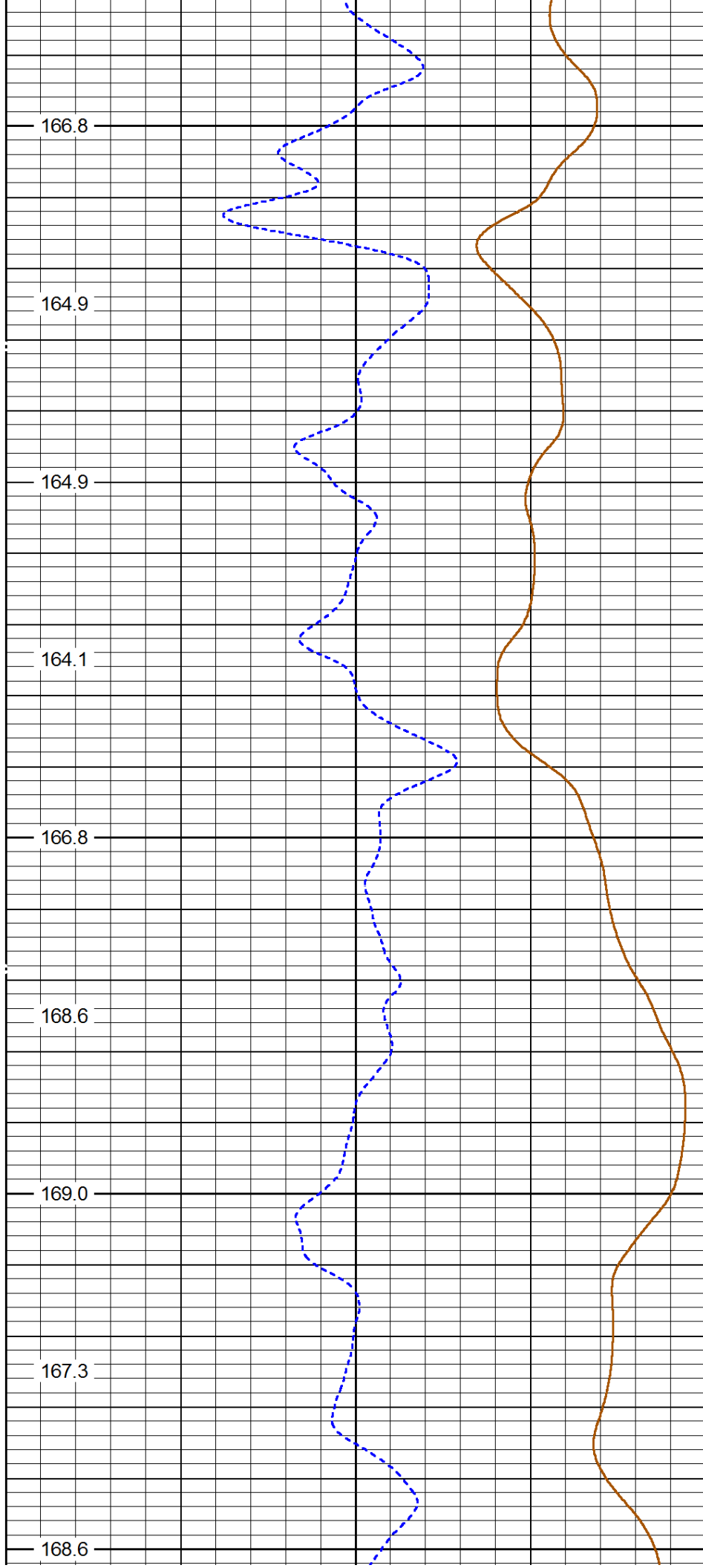
165.2

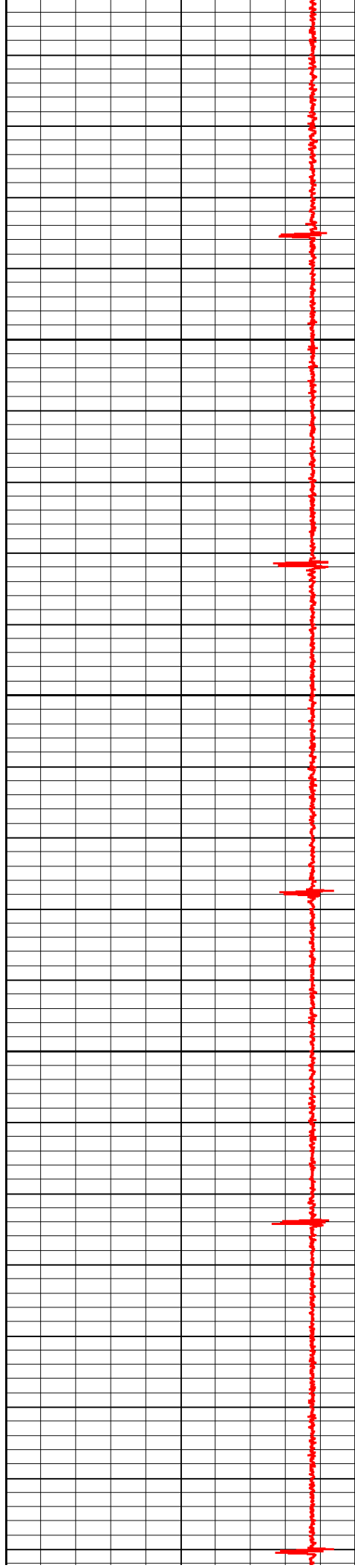
165.6



8700

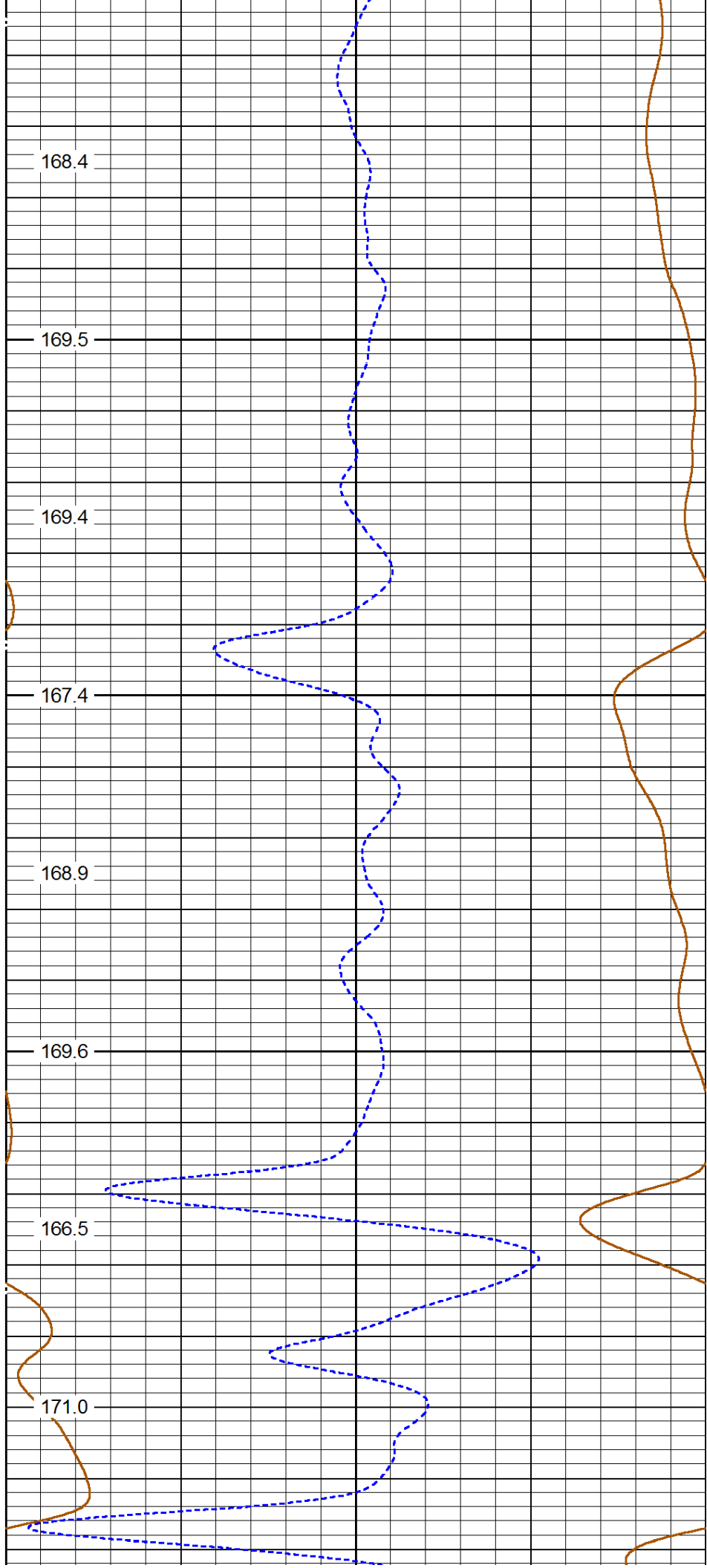
8800

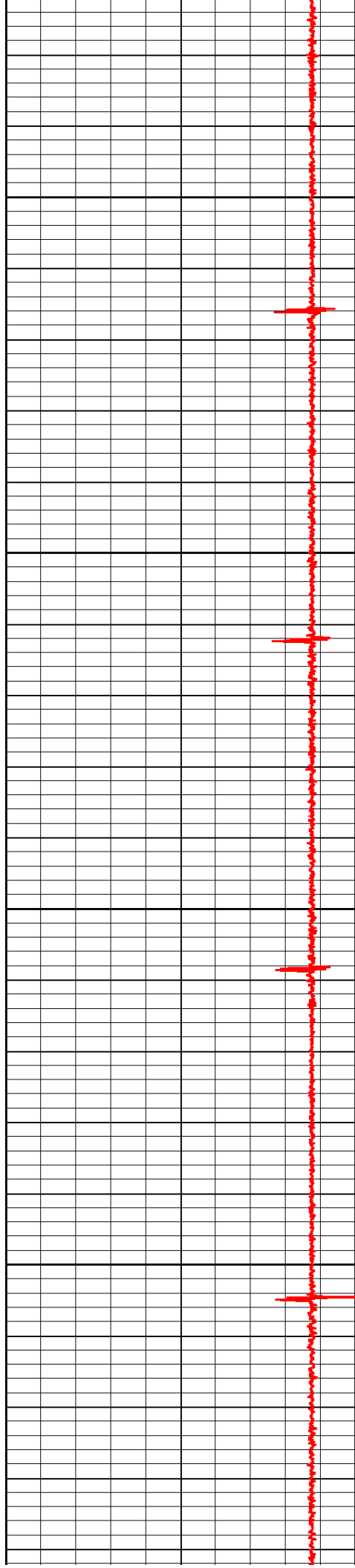




8900

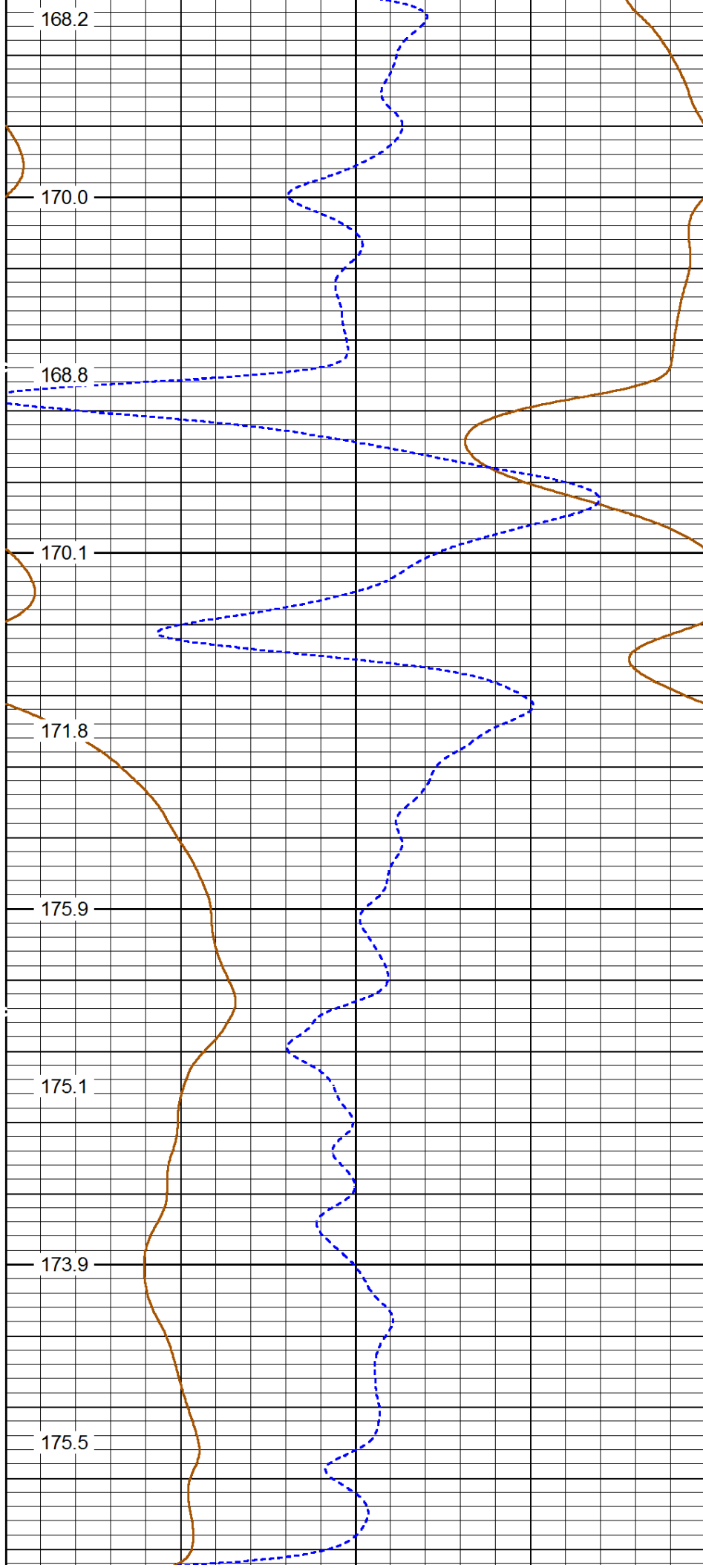
9000

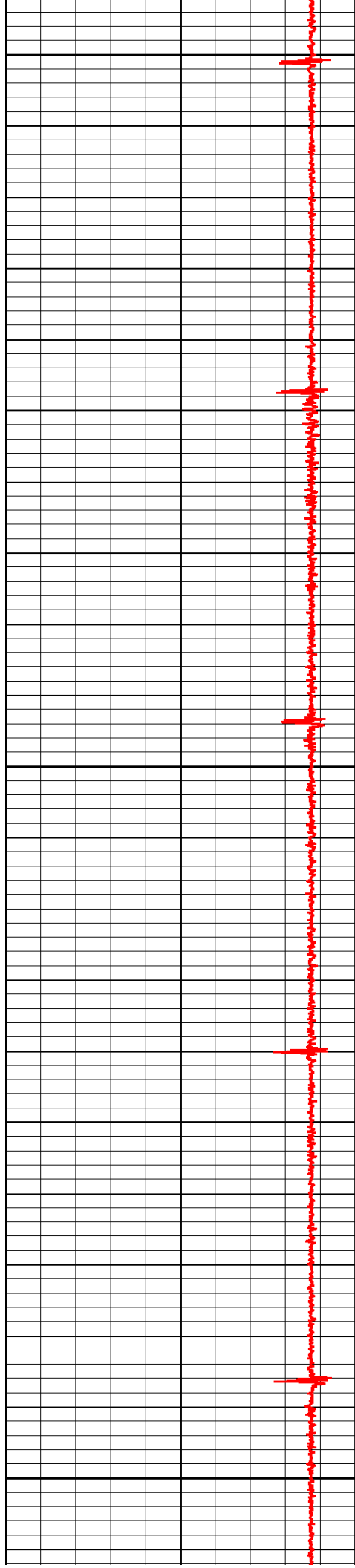




9100

9200





9300

9400

9500

165.1

166.8

181.0

178.2

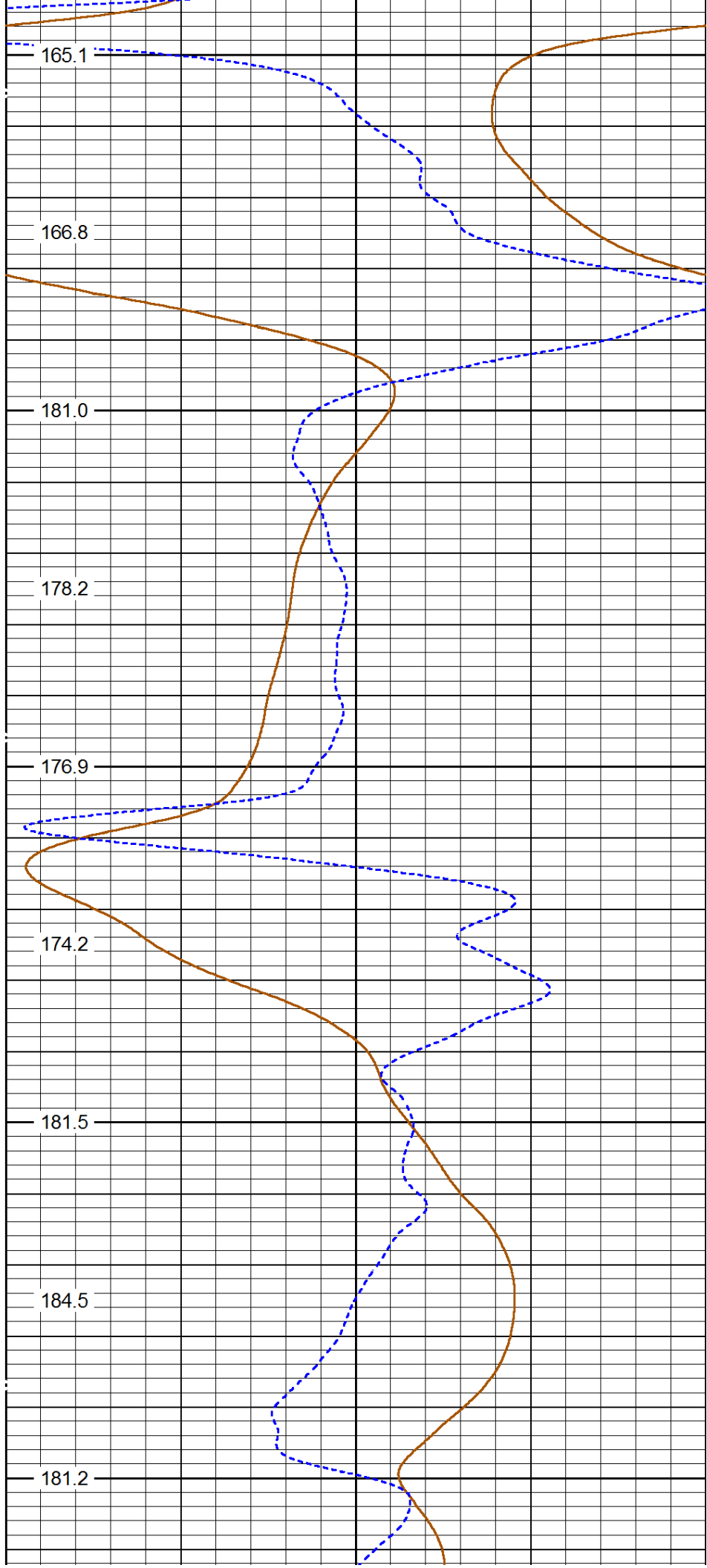
176.9

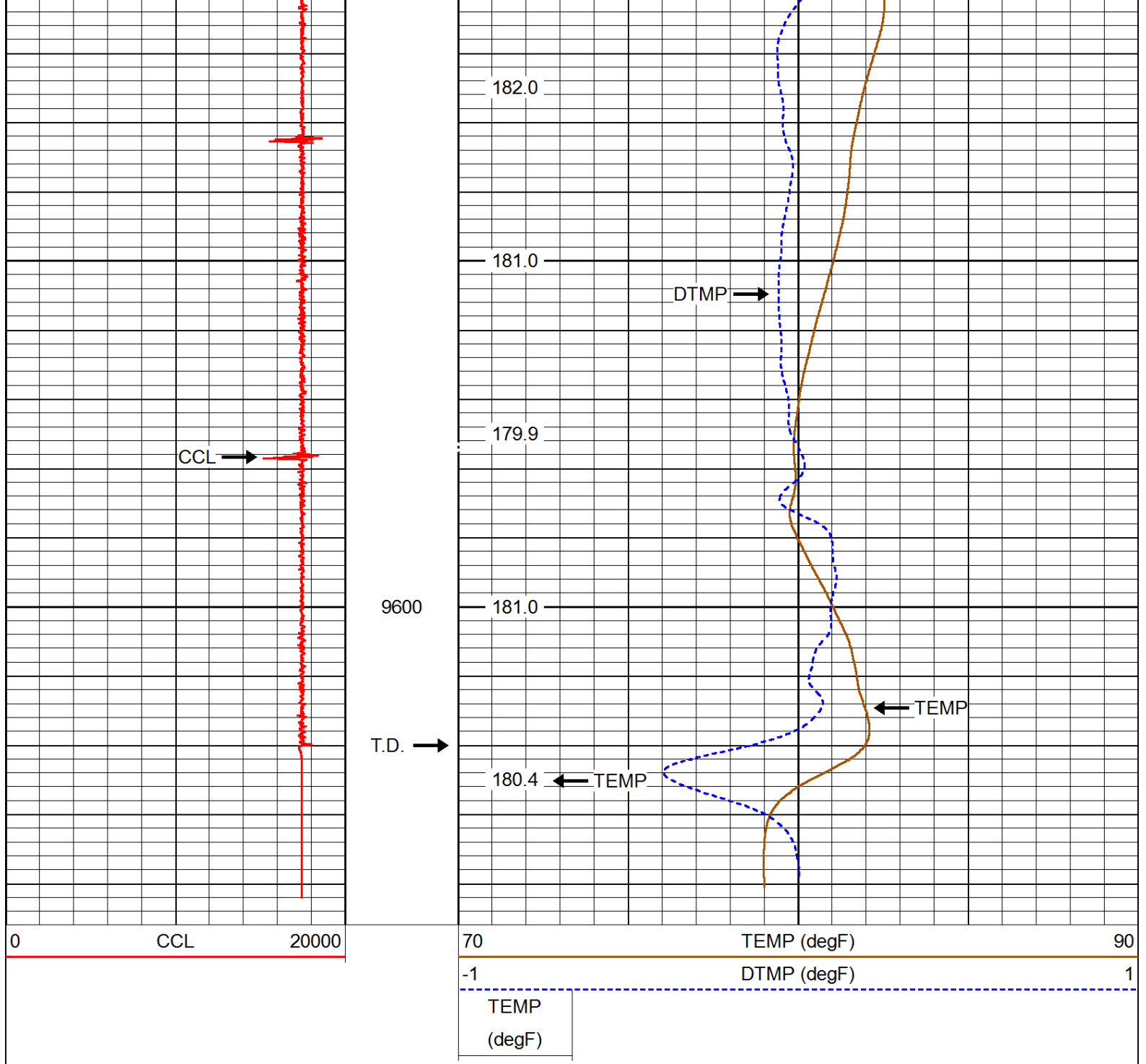
174.2

181.5

184.5

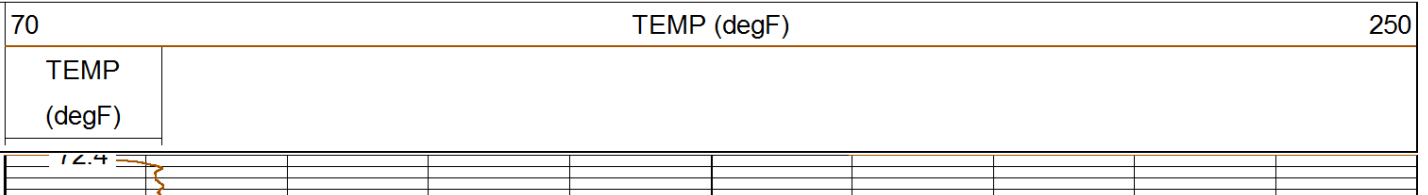
181.2

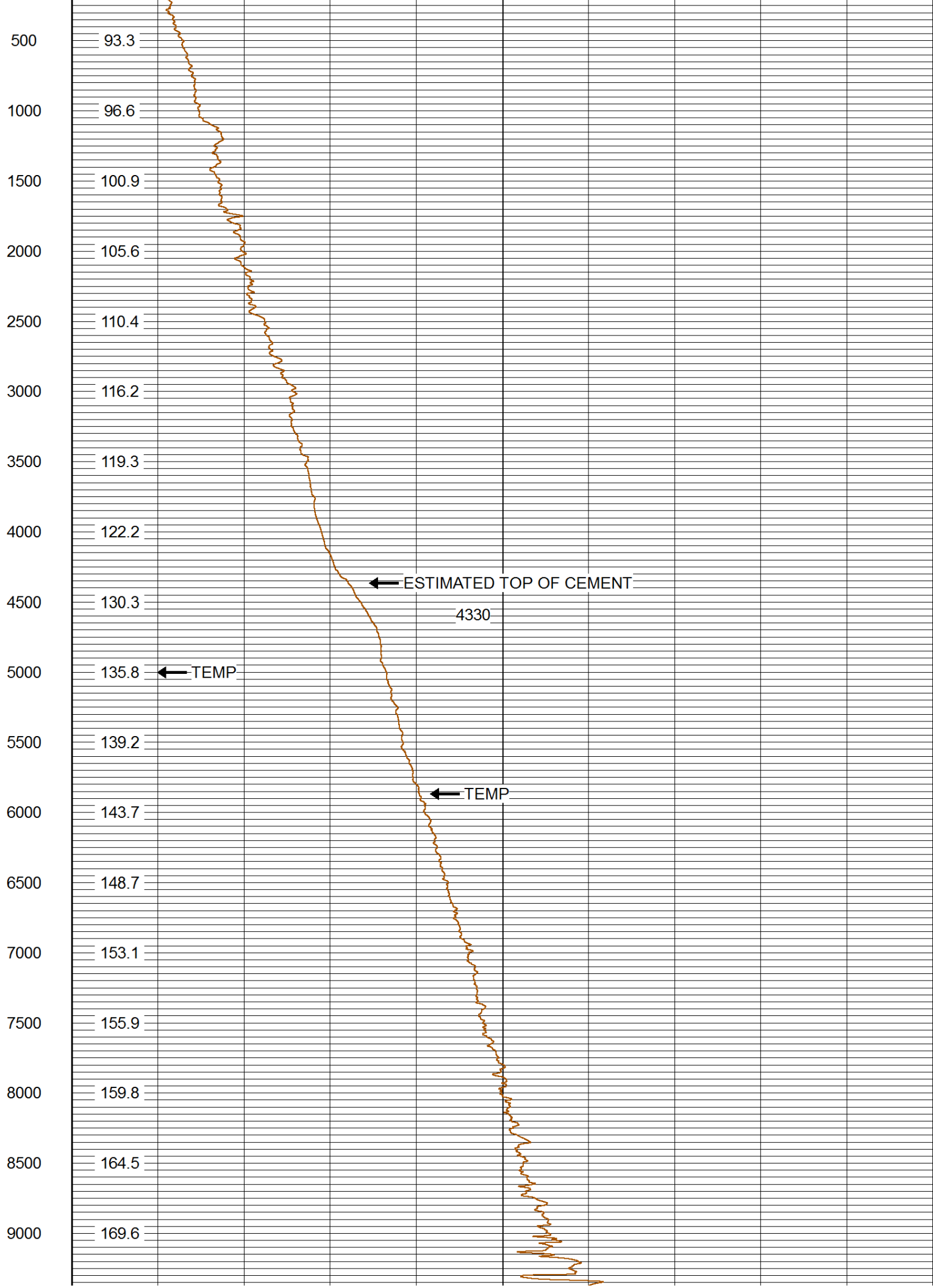




MAIN PASS QUICK LOOK

Database File: 08082016_terraep{ _ru 523-7.db
 Dataset Pathname: mainpass/pass1
 Presentation Format: rmtmp_q
 Dataset Creation: Mon Aug 08 18:53:06 2016 by Log SCH 120430
 Charted by: Depth in Feet scaled 1:10000







Company	TERRA EP
Well	RU 523-7
Field	RULISON
County	GARFIELD
State	COLORADO