

Gamma Ray
Cement Bond
CCL

Company Civitas

Well State Antelope 43-13-3HN

Field Wattenburg

County Weld State Colorado

Location: API # : 05-123-51731

1808 FT FNL & 333 FT FWL

SEC 2 TWP 5N RGE 62W

Permanent Datum GL
Log Measured From KB 25 FT
Drilling Measured From KB

Elevation 4646'
K.B. 4646'
D.F. 4670'
G.L. 4671'

Company Civitas
Well State Antelope 43-13-3HN
Field Wattenburg
County Weld
State Colorado

Date 01-NOV-2022

Run Number 1

Depth Driller 11555 FT

Depth Logger 6487 FT

Bottom Logged Interval 6485 FT

Top Log Interval Surface

Open Hole Size 5.5

Type Fluid Water

Density / Viscosity 8.33

Max. Recorded Temp. 212 F

Estimated Cement Top Surface

Time Well Ready ROA

Time Logger on Bottom 13:34

Equipment Number 303

Location State Antelope B-2 Pad

Recorded By D.Scott

Witnessed By J. Johnson

FINAL PRINT
dsat110422

Tubing Record
From To Weight From To

Size

Weight

From To

Weight

From To

Weight

Comments

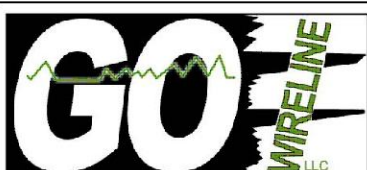
Log ran at Customer Request

Adjusted +4.2 To Correalate to Marker Joint at 5920'
Logged With 0 PSI Surface Induced Pressure

Logging Tools were Clean and Free of Debris
Thank You for Using Go Wireline

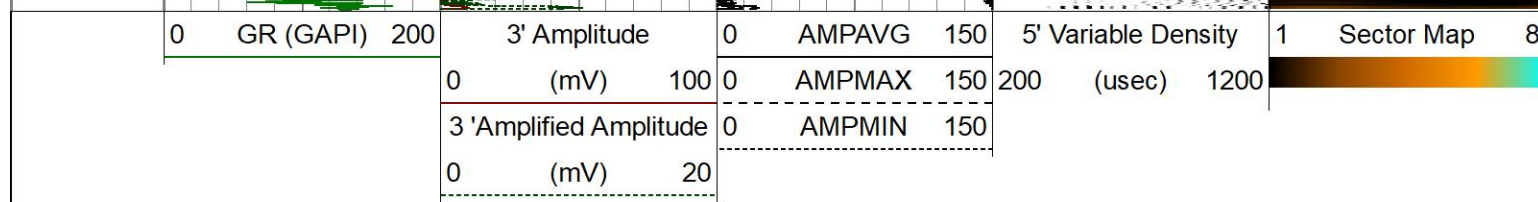
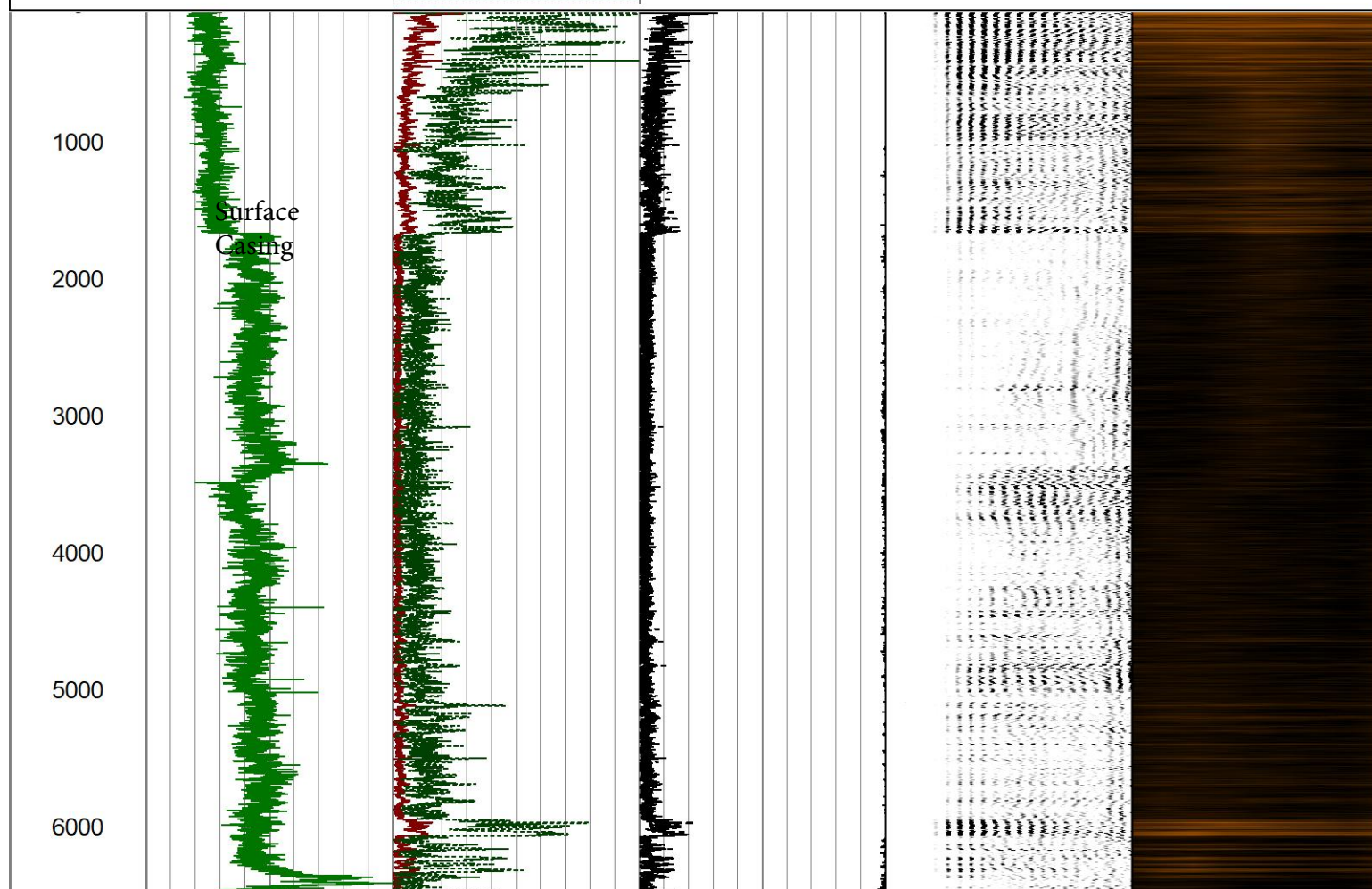
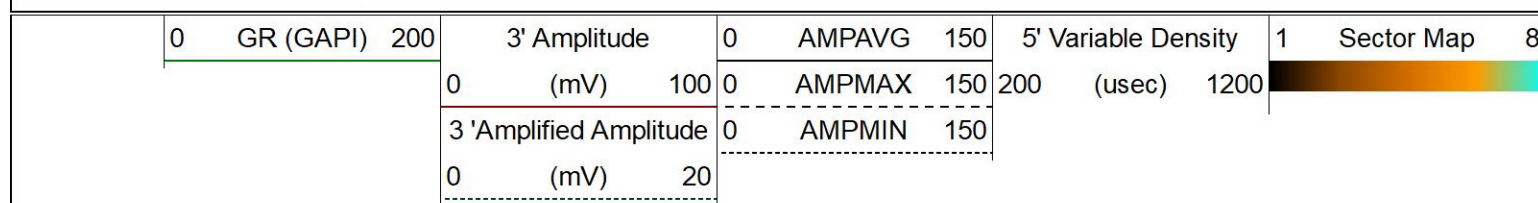
<<< Fold Here >>>

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.



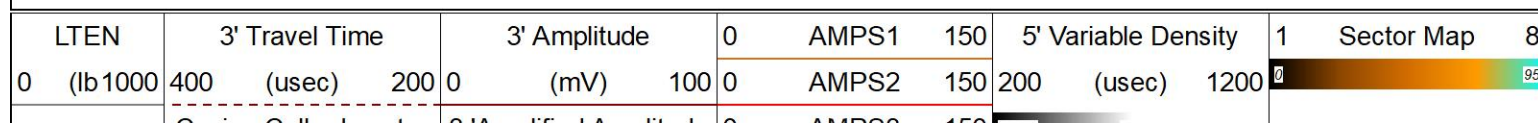
MAIN PASS

Database File	civitas_state_antelope_43-13
Dataset Pathname	rcbl/pass4
Presentation Format	rbl1in18
Dataset Creation	Tue Nov 01 13:31:39 2022
Charted by	Depth in Feet scaled 1:15000

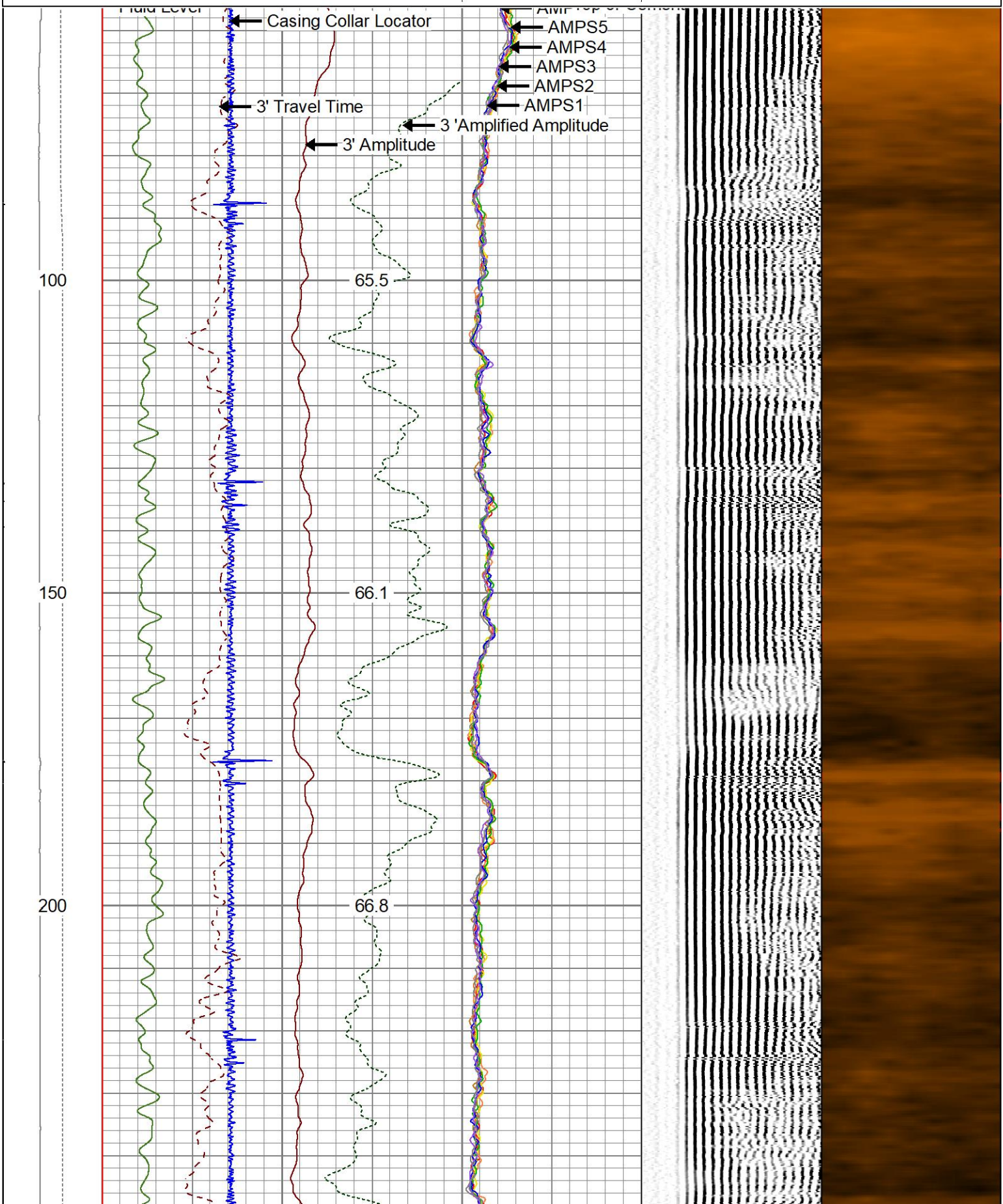


MAIN PASS

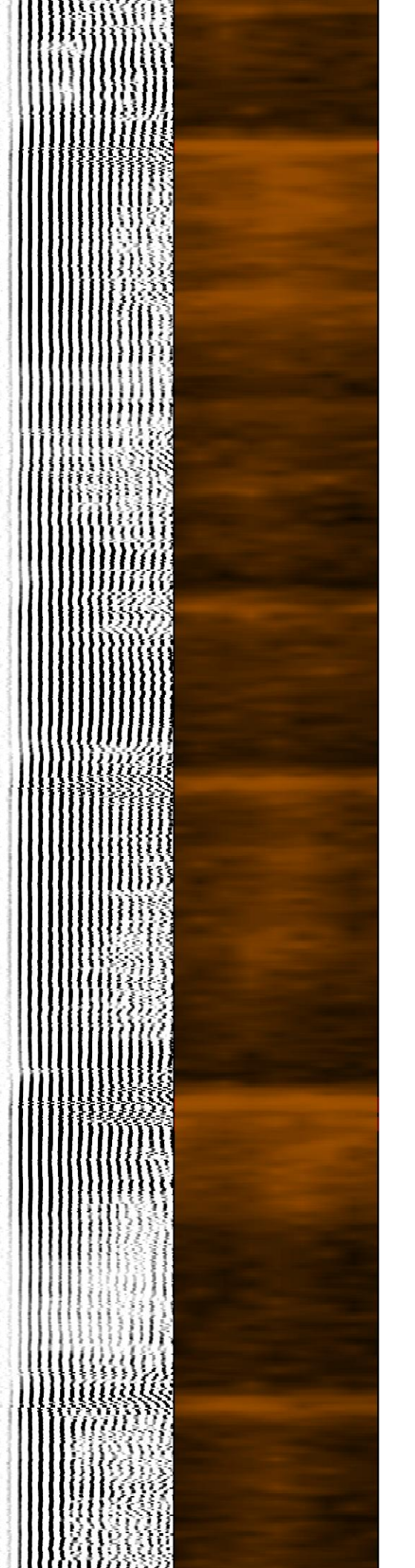
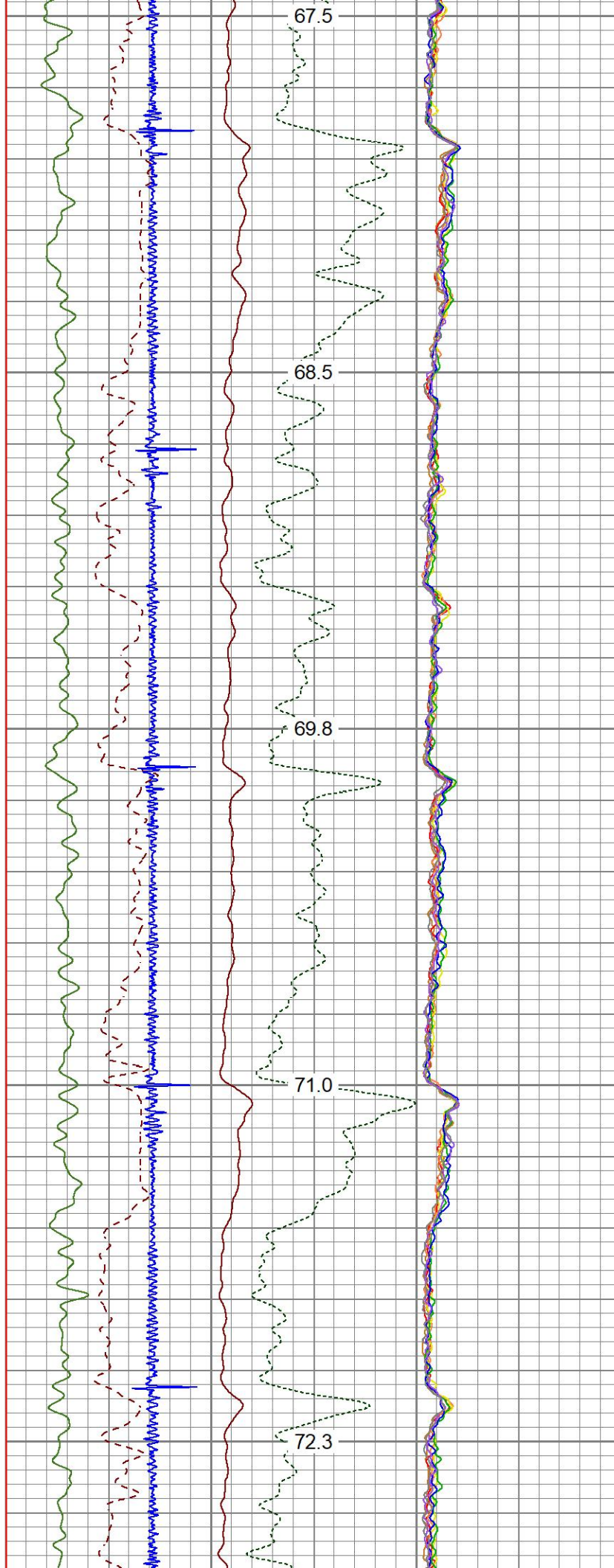
Database File	civitas_state_antelope_43-13-3hn_rcbl.db
Dataset Pathname	rcbl/pass4
Presentation Format	rbl_all_8_2020
Dataset Creation	Tue Nov 01 13:31:39 2022
Charted by	Depth in Feet scaled 1:240



LSPD	Casing Collar Locator		3' Amplified Amplitude	0	AMPS3	150
(ft/min)	GAMMA RAY		(mV)	20	AMPS4	150
500 -500	0	(GAPI)	200		AMPS5	150
0 CCL100	0	DTMP (degF)	100		AMPS6	150
			GCT_TEMP		AMPS7	150
			(degF)		AMPS8	150



250
300
350
400
450



500

550

600

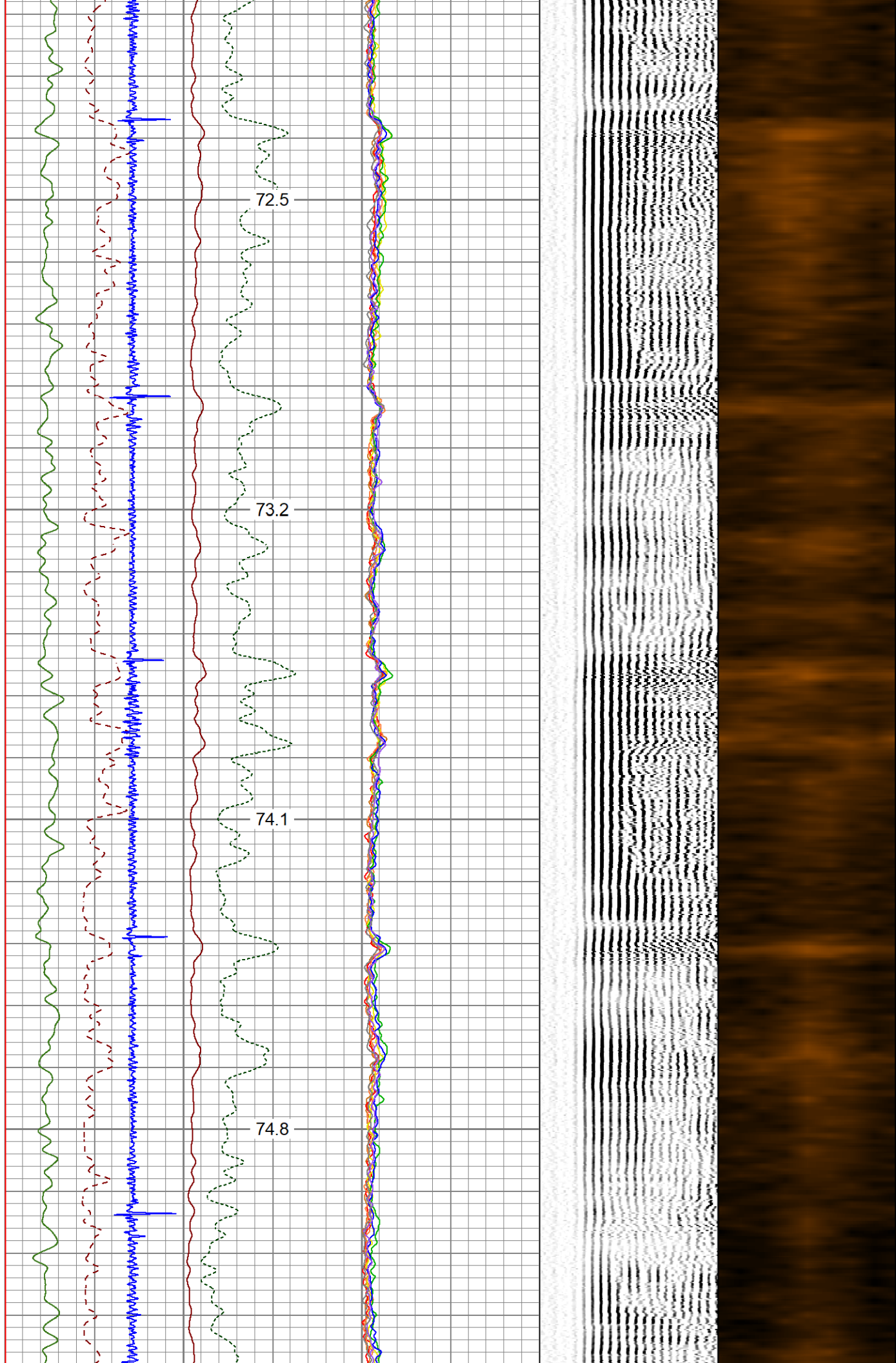
650

72.5

73.2

74.1

74.8



700

75.7

750

76.7

800

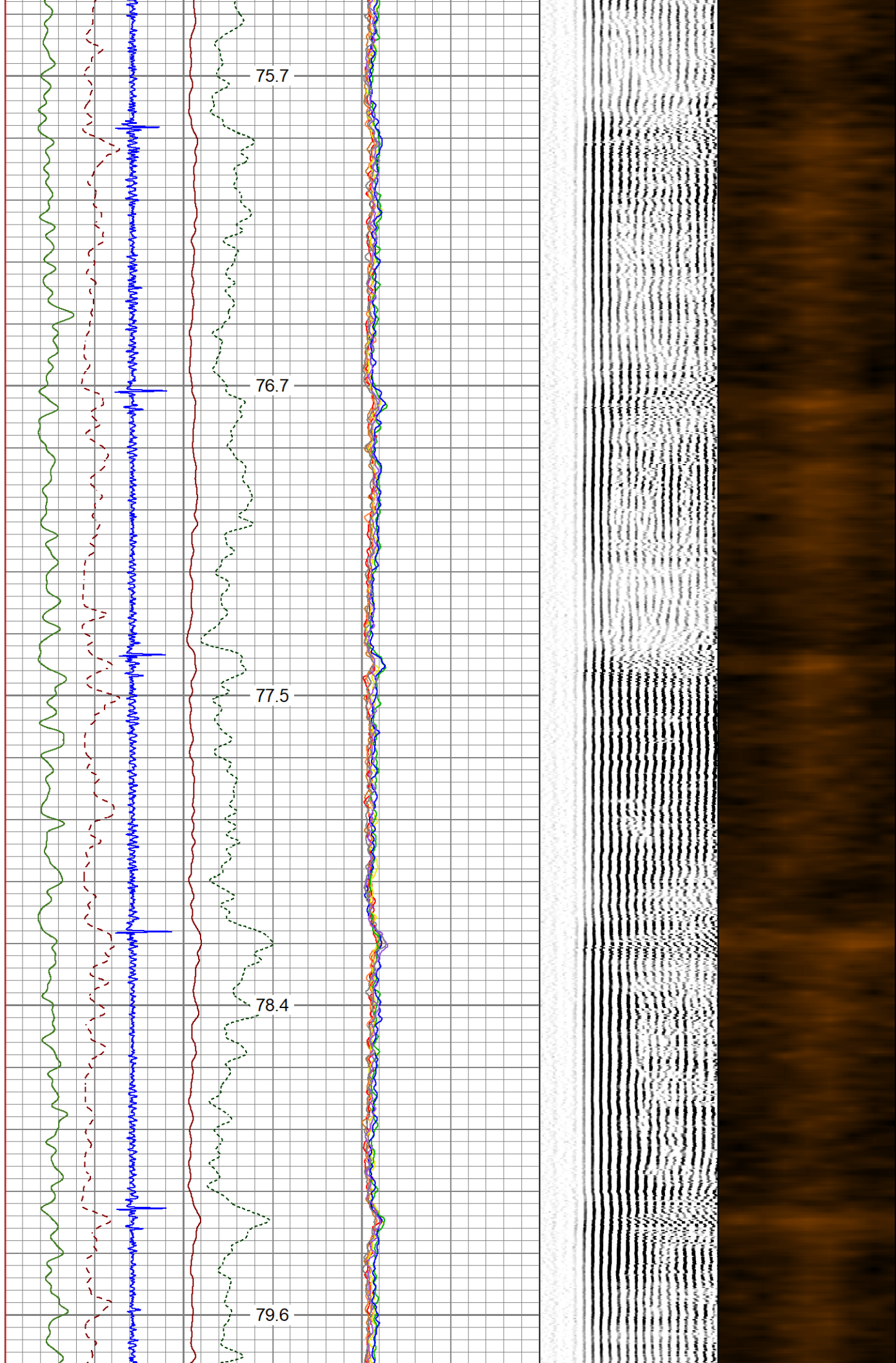
77.5

850

78.4

900

79.6



950

1000

1050

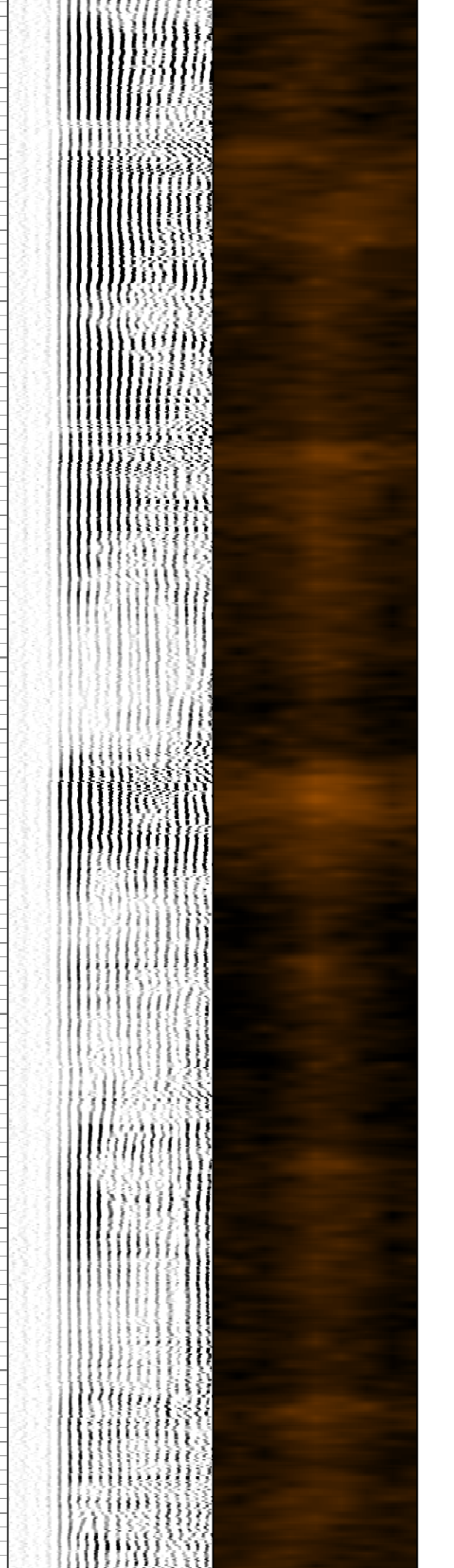
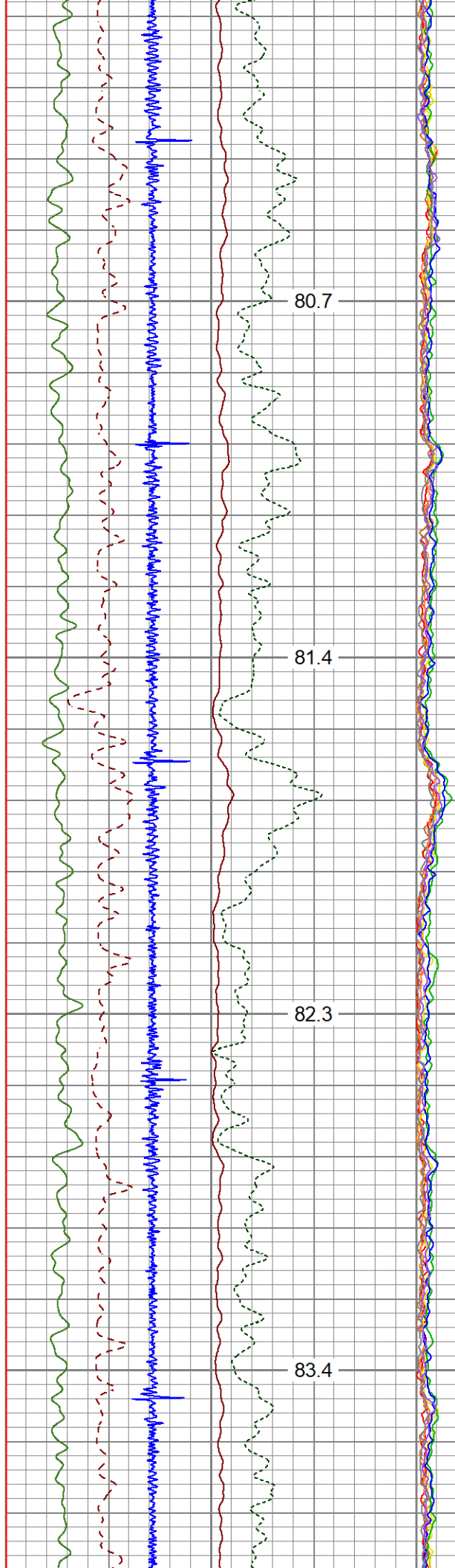
1100

80.7

81.4

82.3

83.4



1150

84.6

1200

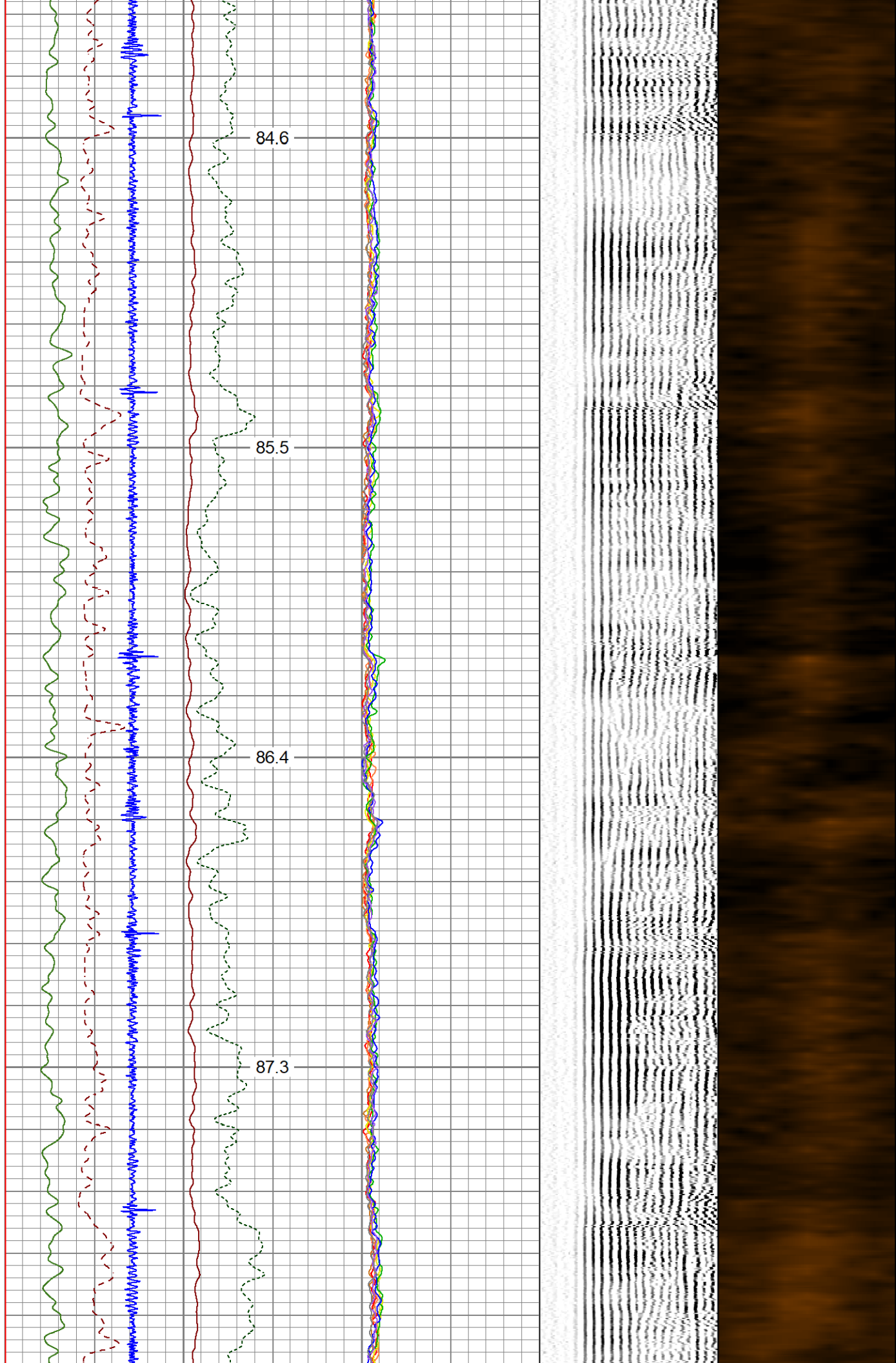
85.5

1250

86.4

1300

87.3



1350

1400

1450

1500

1550

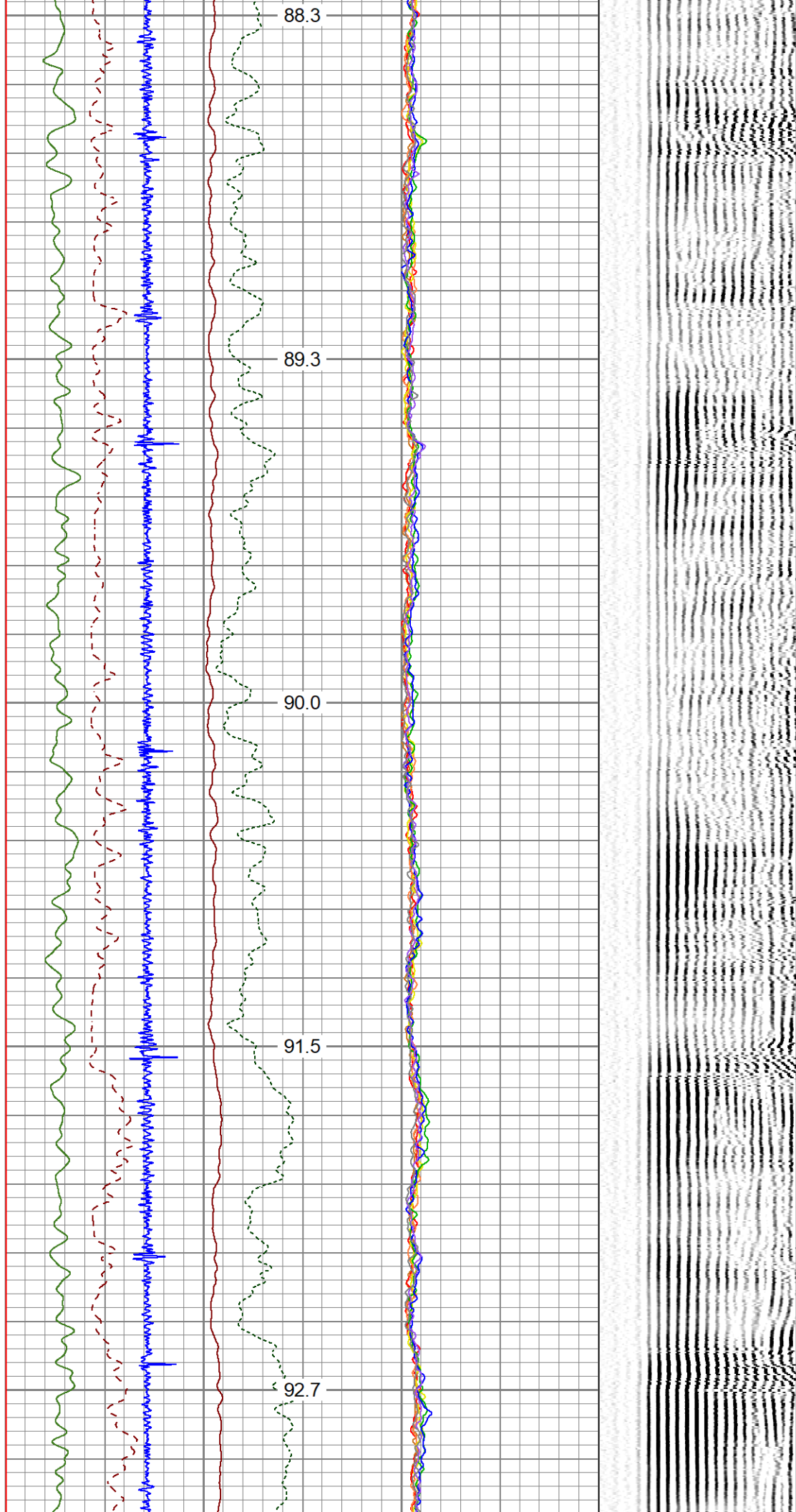
88.3

89.3

90.0

91.5

92.7



1600

1650

1700

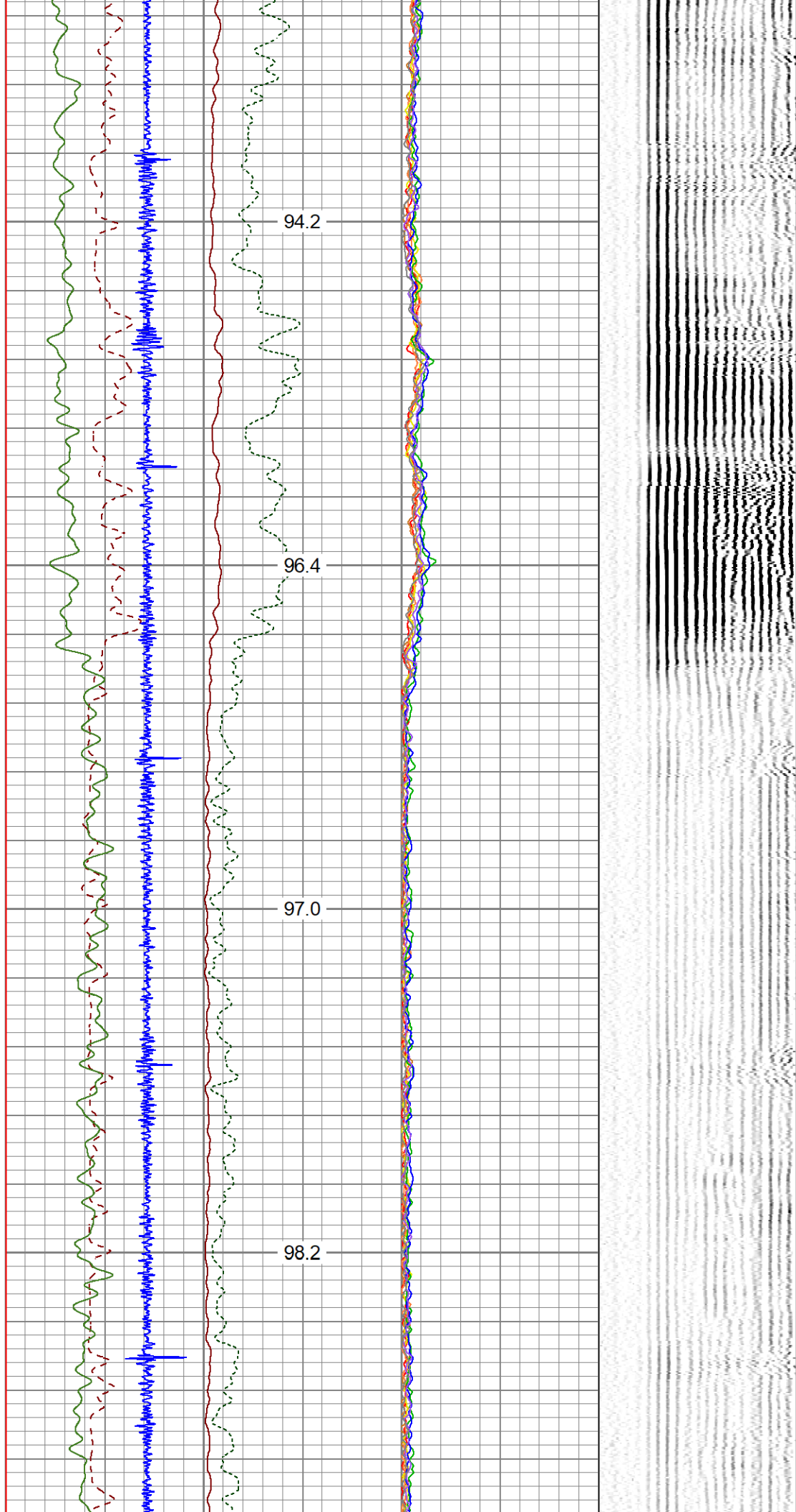
1750

94.2

96.4

97.0

98.2



1800

1850

1900

1950

2000

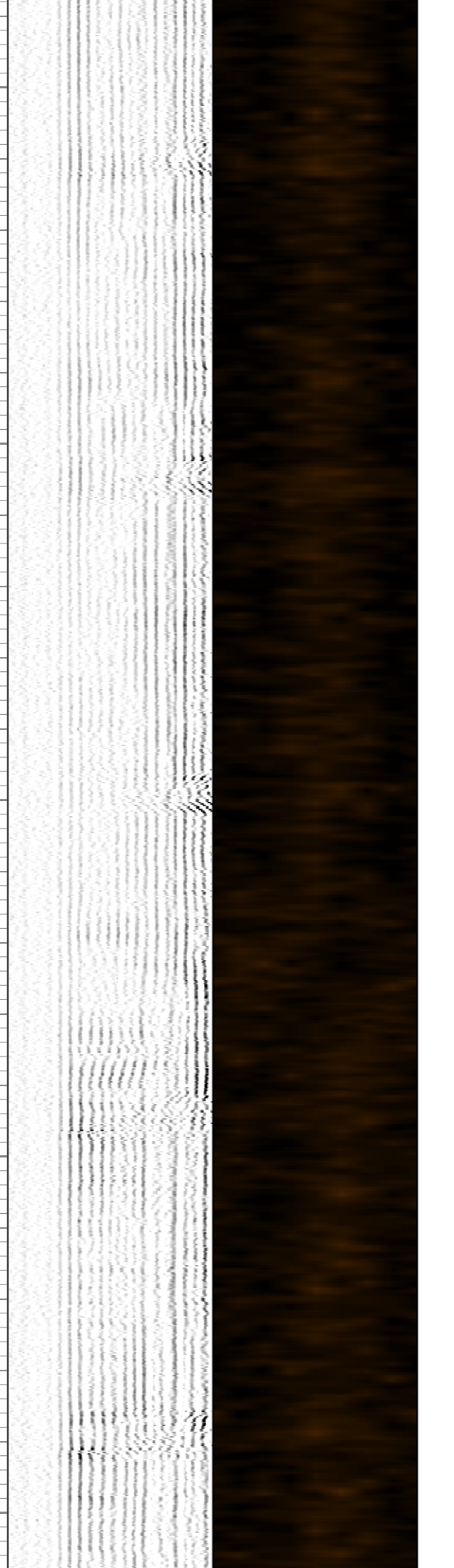
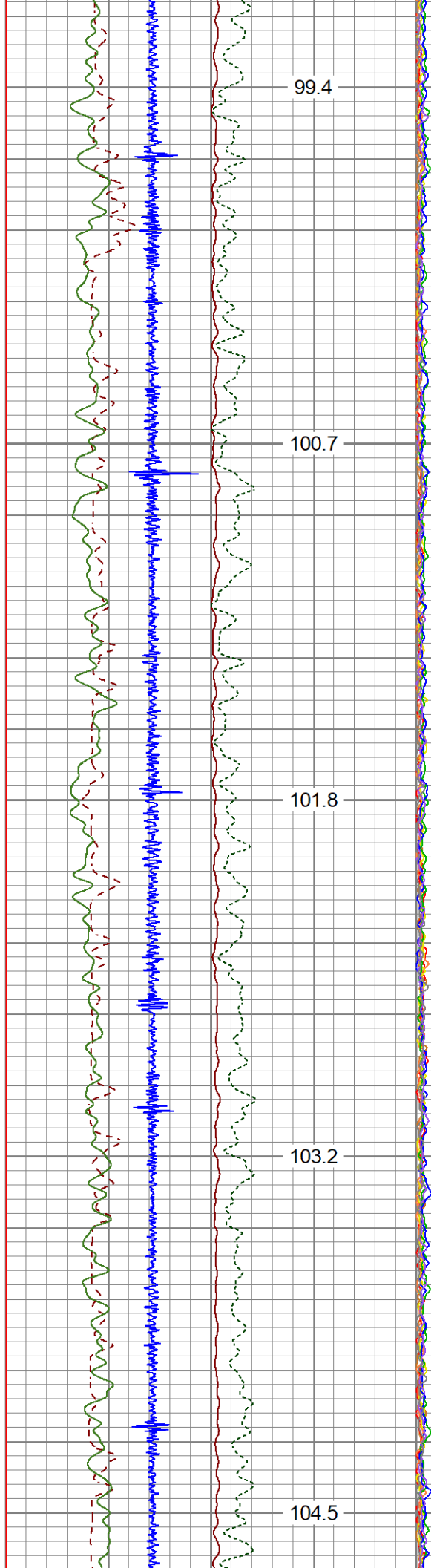
99.4

100.7

101.8

103.2

104.5



2050

105.6

2100

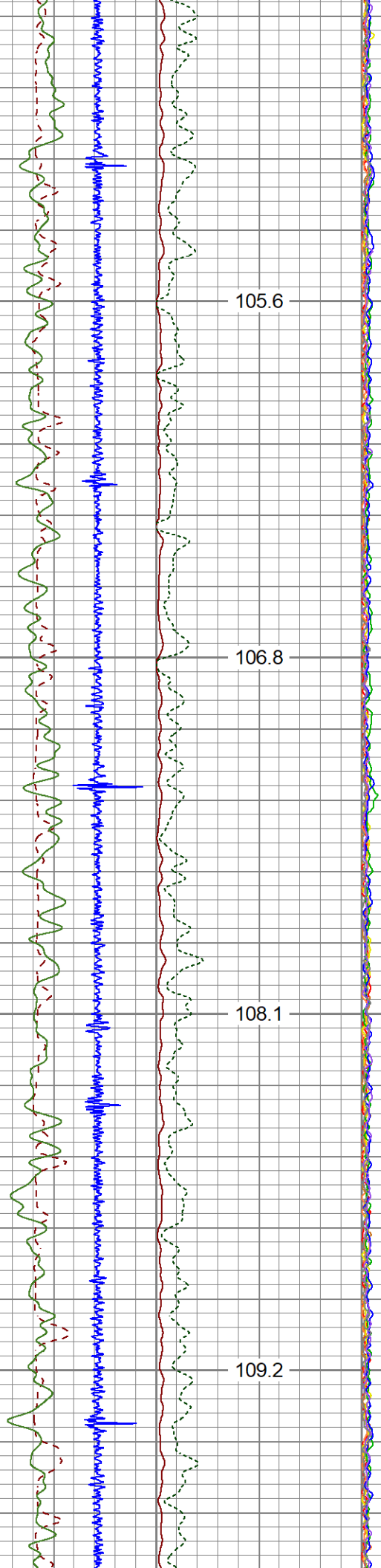
106.8

2150

108.1

2200

109.2



2250

110.4

2300

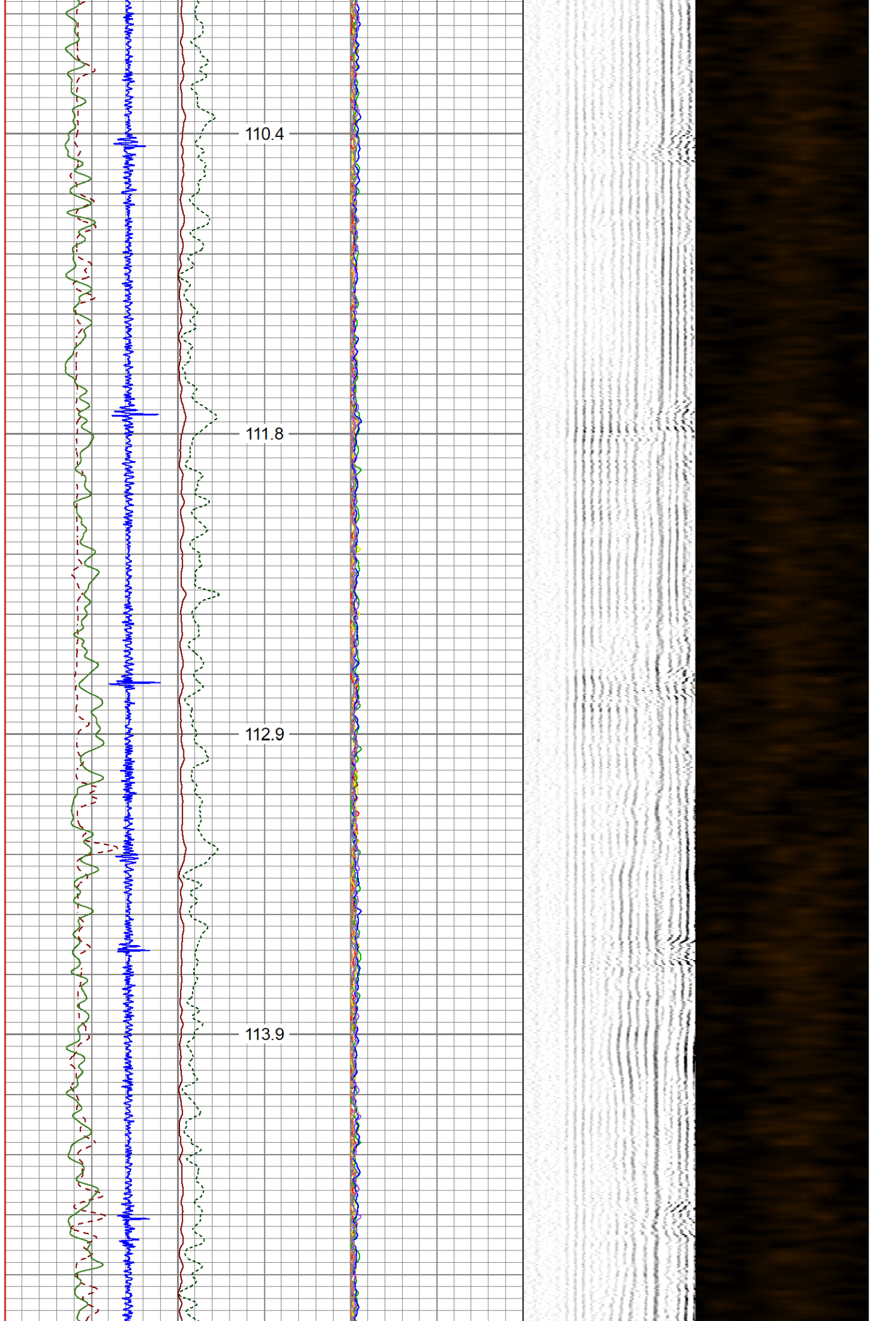
111.8

2350

112.9

2400

113.9



2450

2500

2550

2600

2650

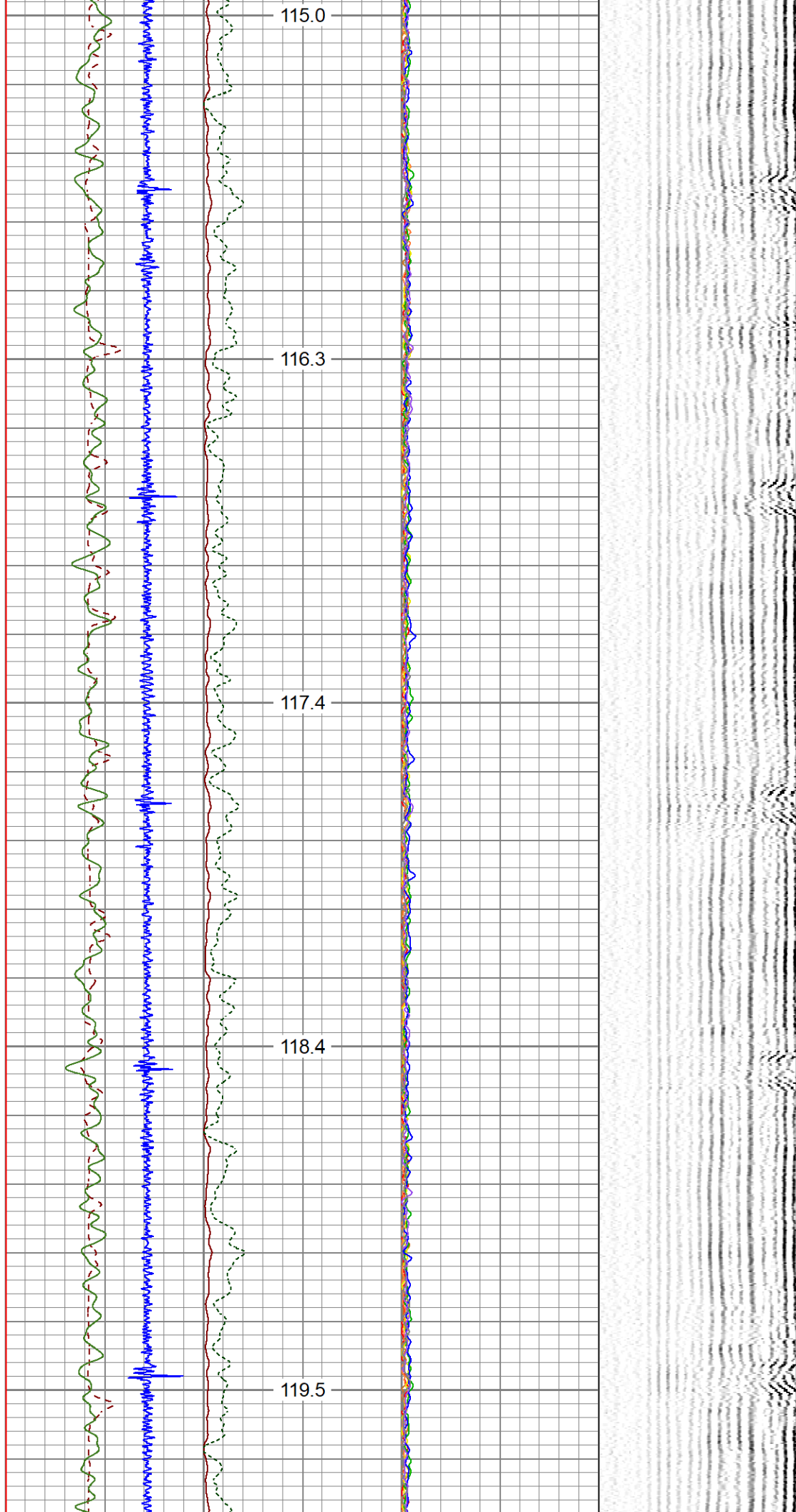
115.0

116.3

117.4

118.4

119.5



2700

120.5

2750

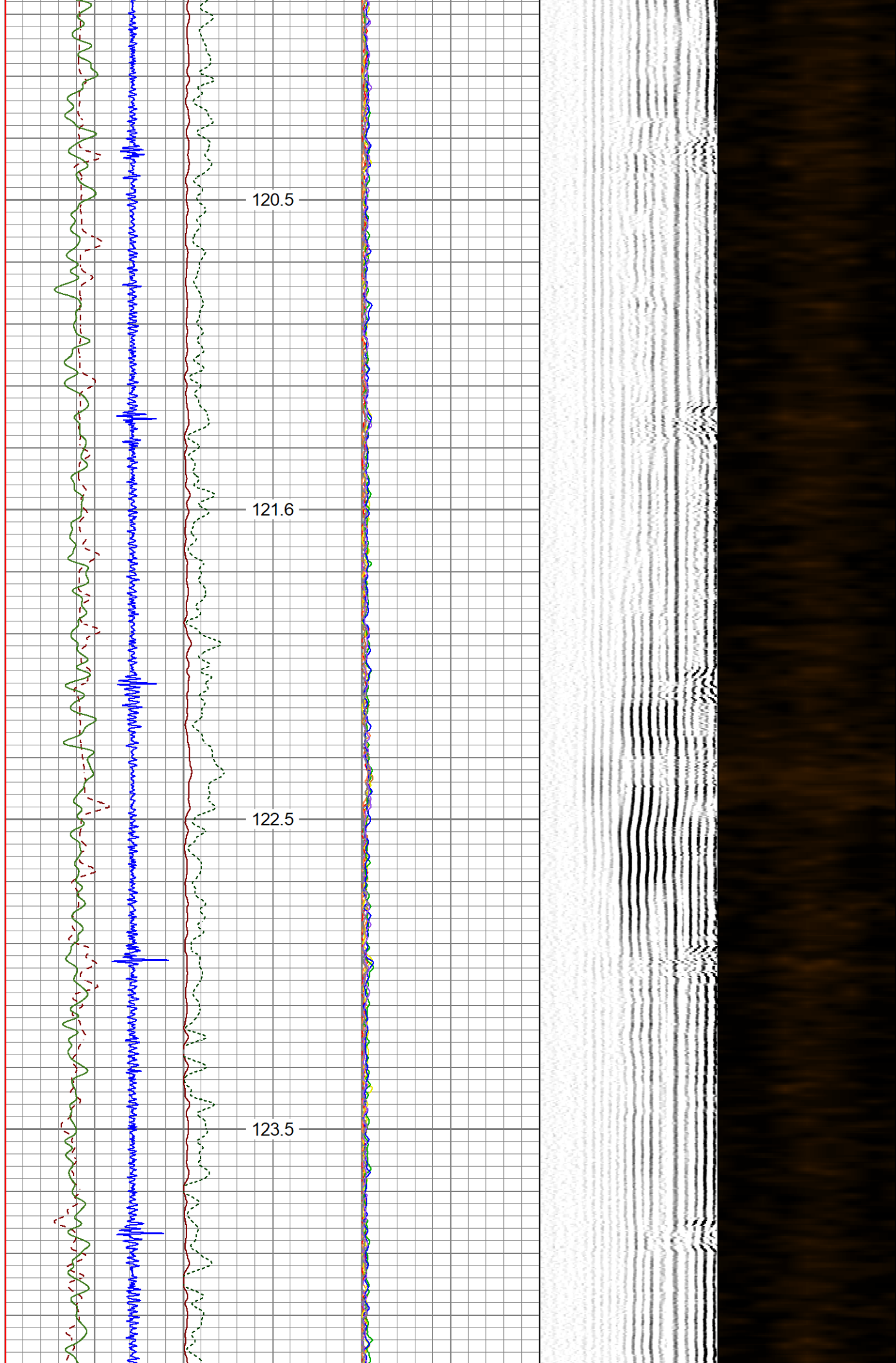
121.6

2800

122.5

2850

123.5



2900

124.6

2950

125.7

3000

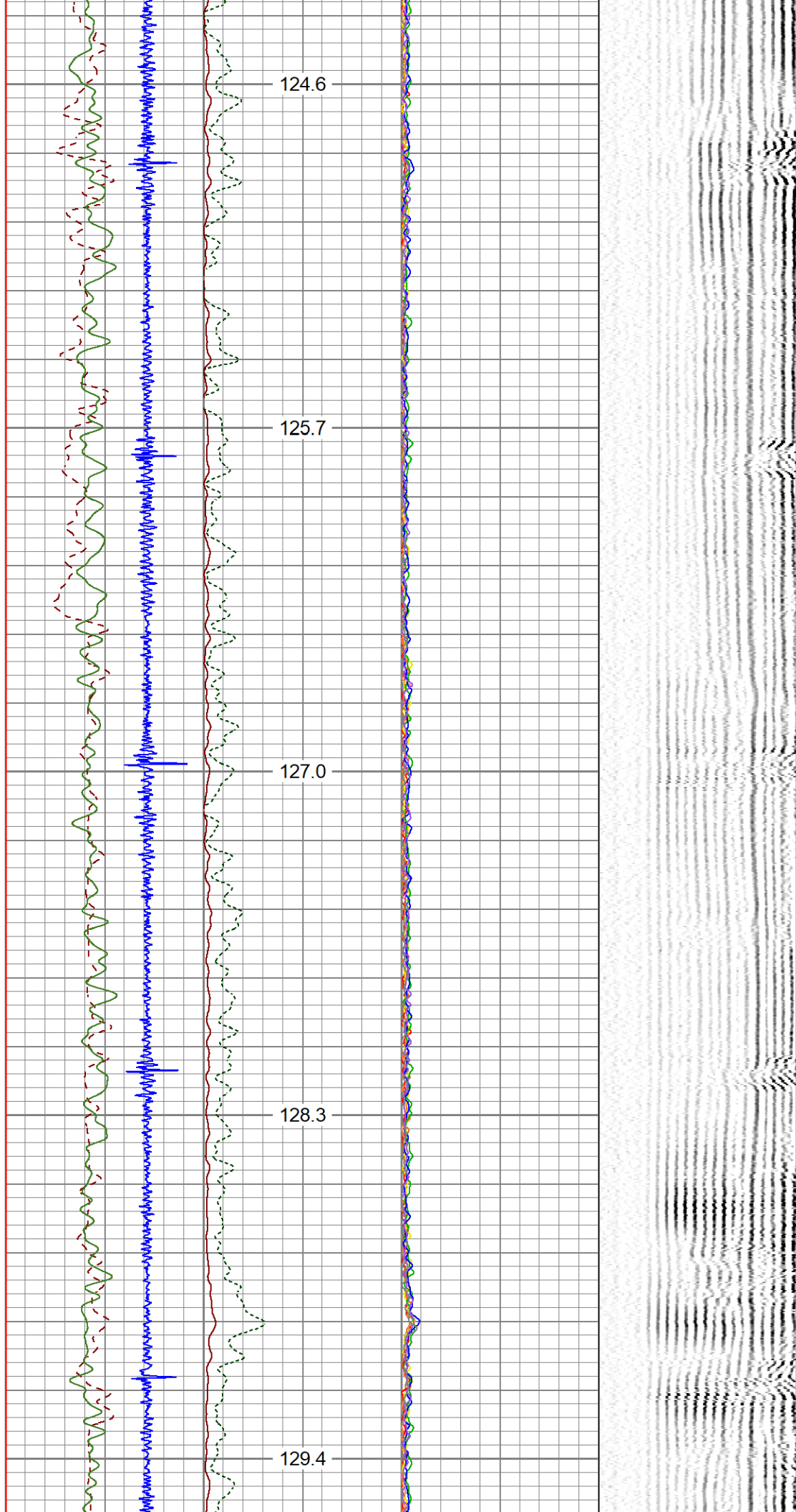
127.0

3050

128.3

3100

129.4



3150

130.6

3200

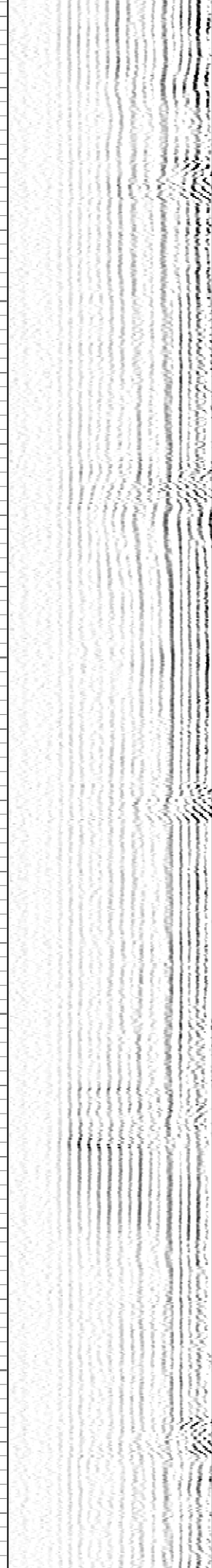
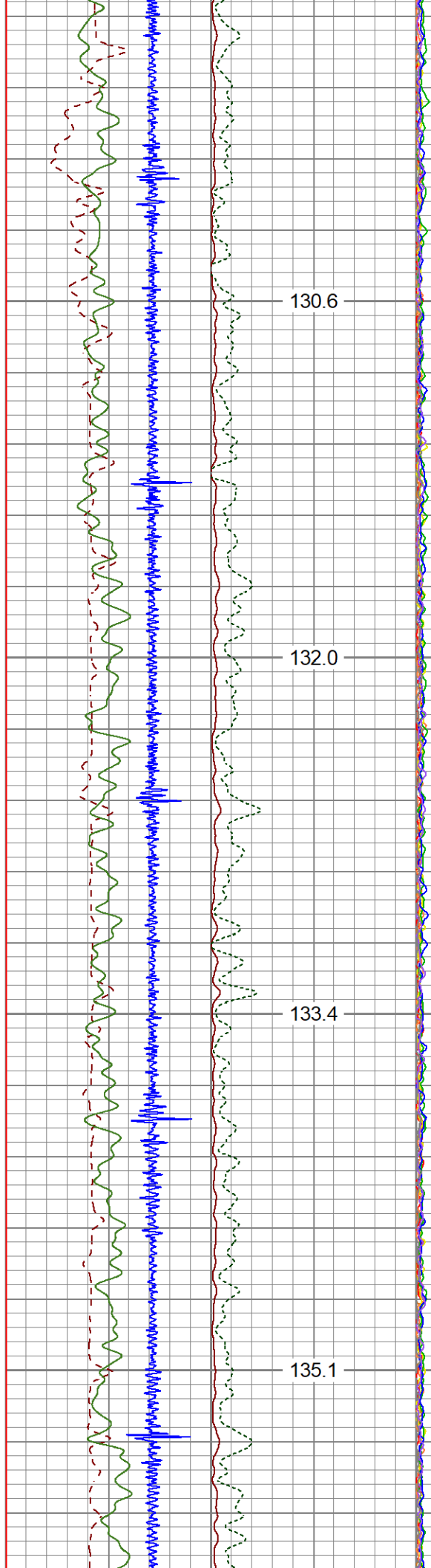
132.0

3250

133.4

3300

135.1



3350

136.4

3400

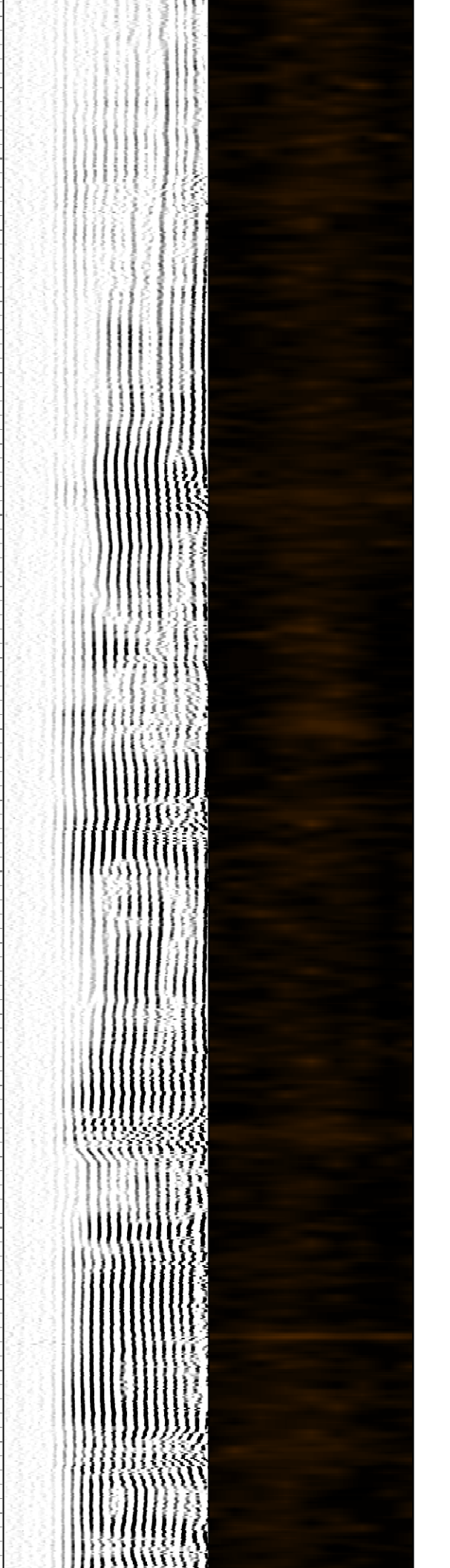
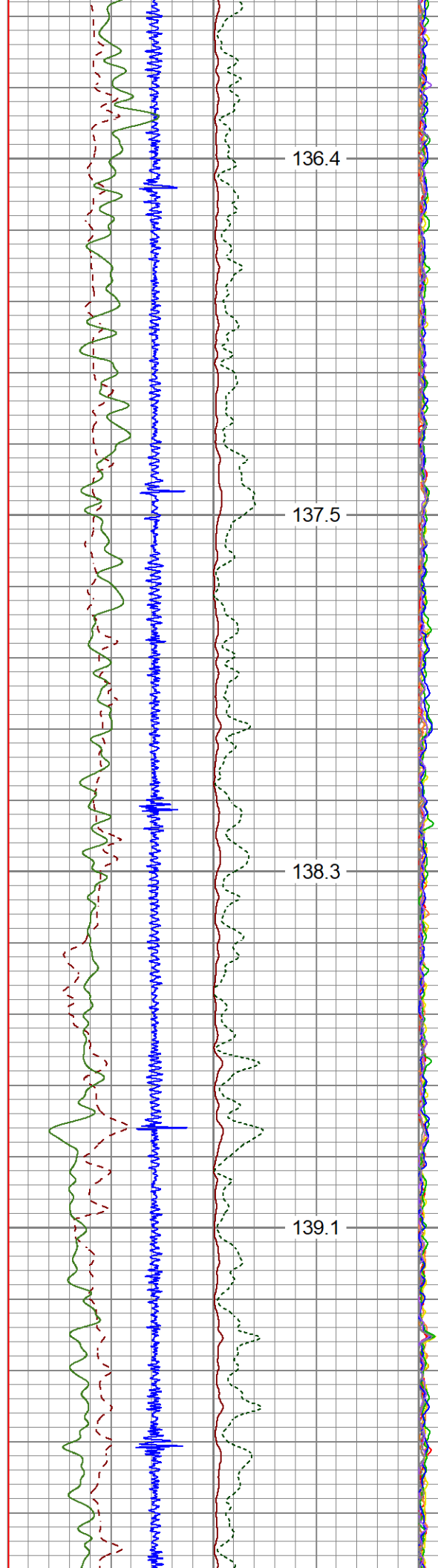
137.5

3450

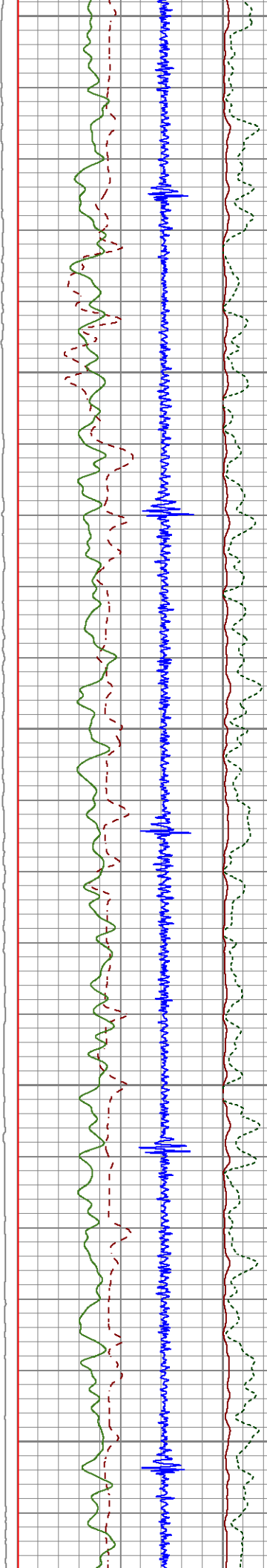
138.3

3500

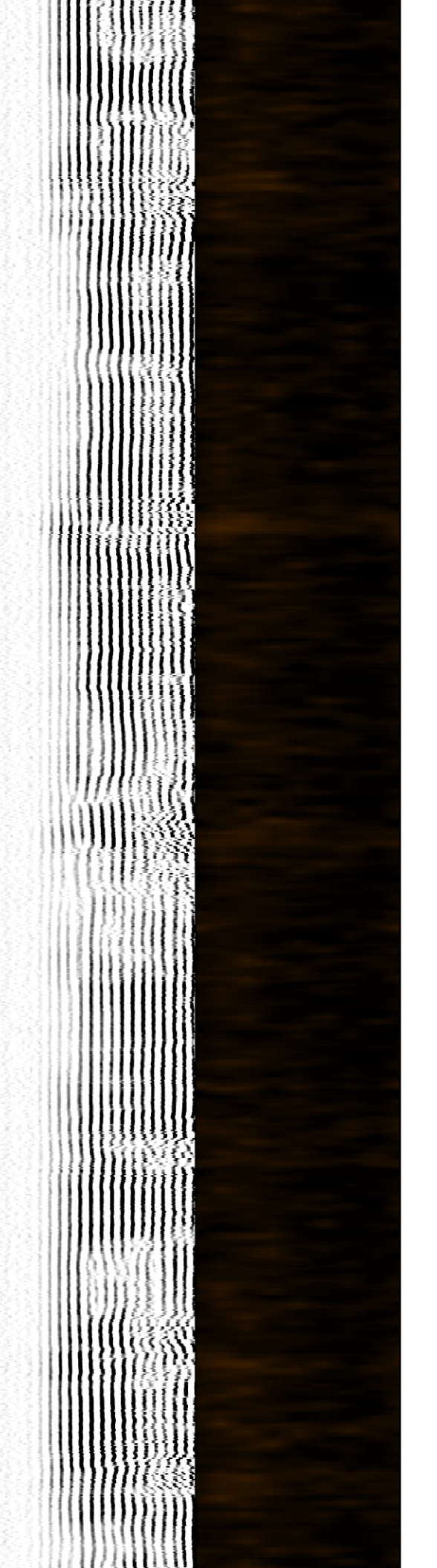
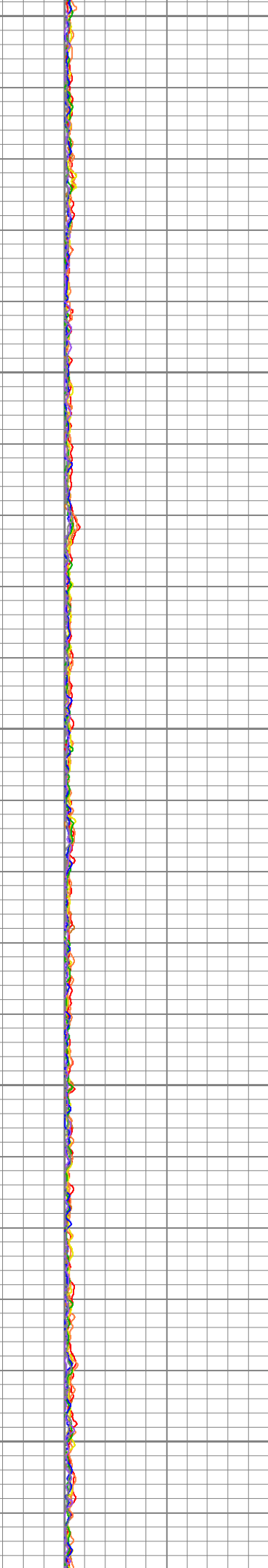
139.1



3550
3600
3650
3700
3750



139.9
140.7
141.6
142.5
143.4



3800

144.5

3850

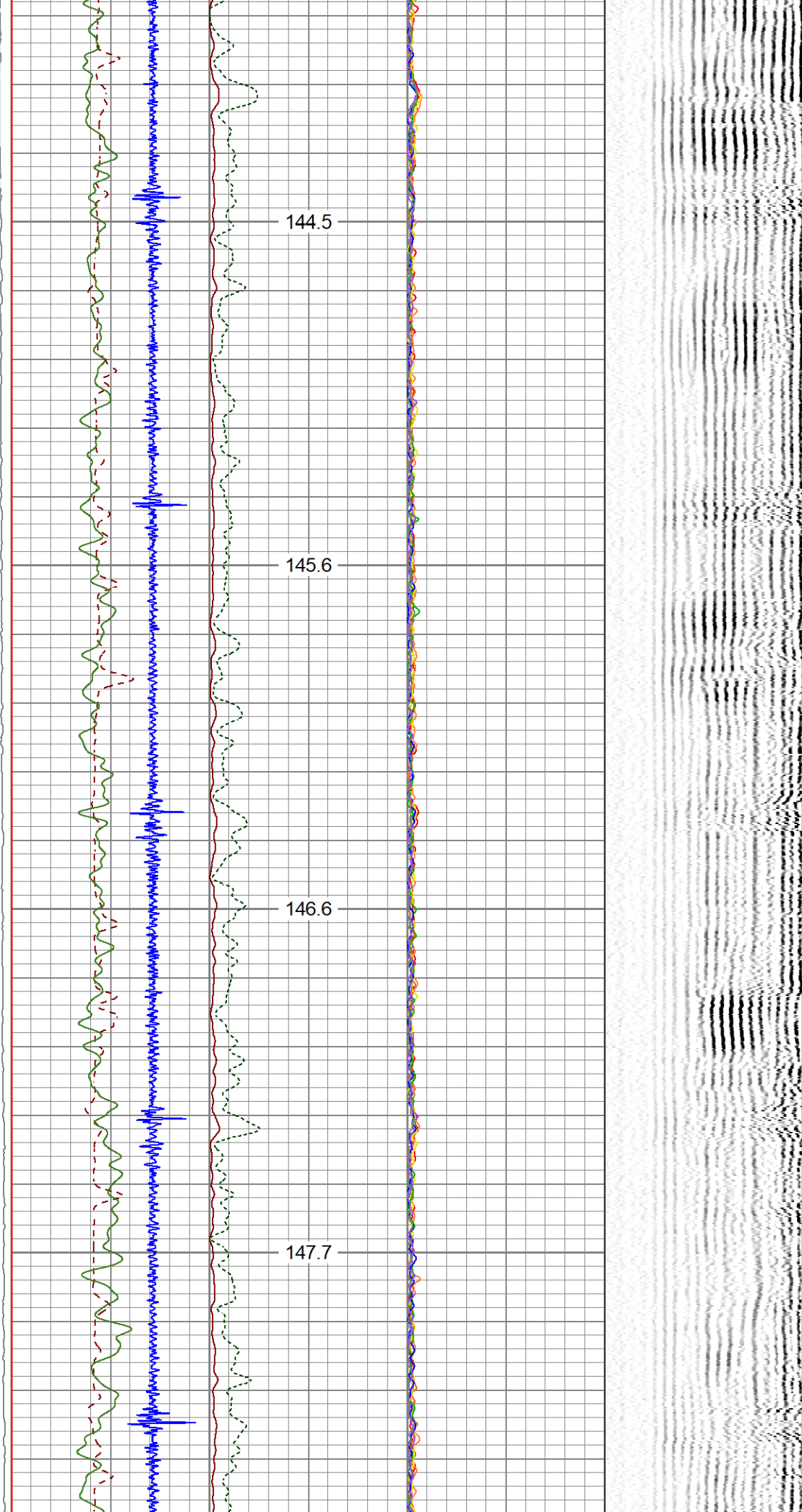
145.6

3900

146.6

3950

147.7



4000

148.8

4050

150.0

4100

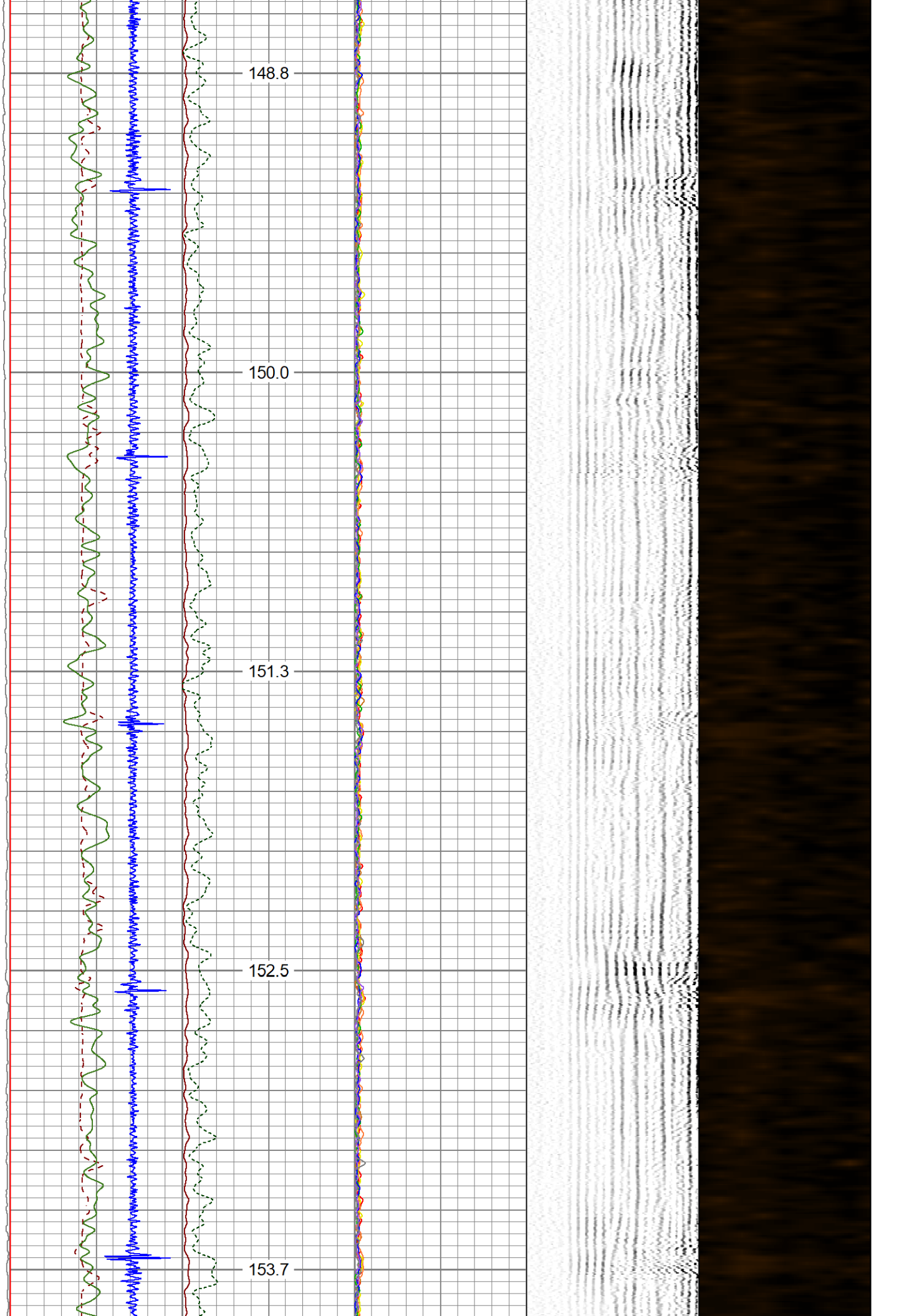
151.3

4150

152.5

4200

153.7



4250

154.8

4300

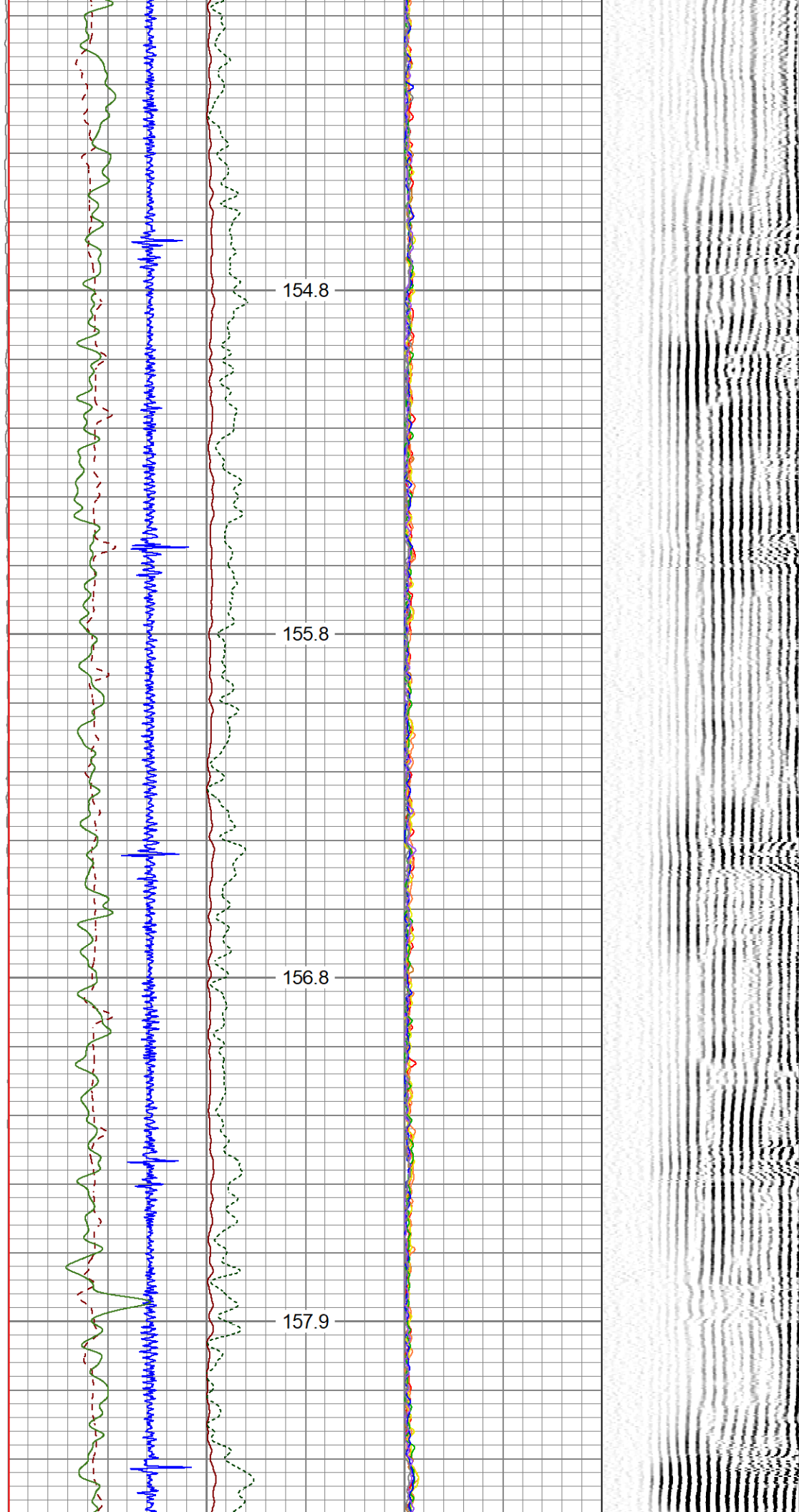
155.8

4350

156.8

4400

157.9



4450

158.9

4500

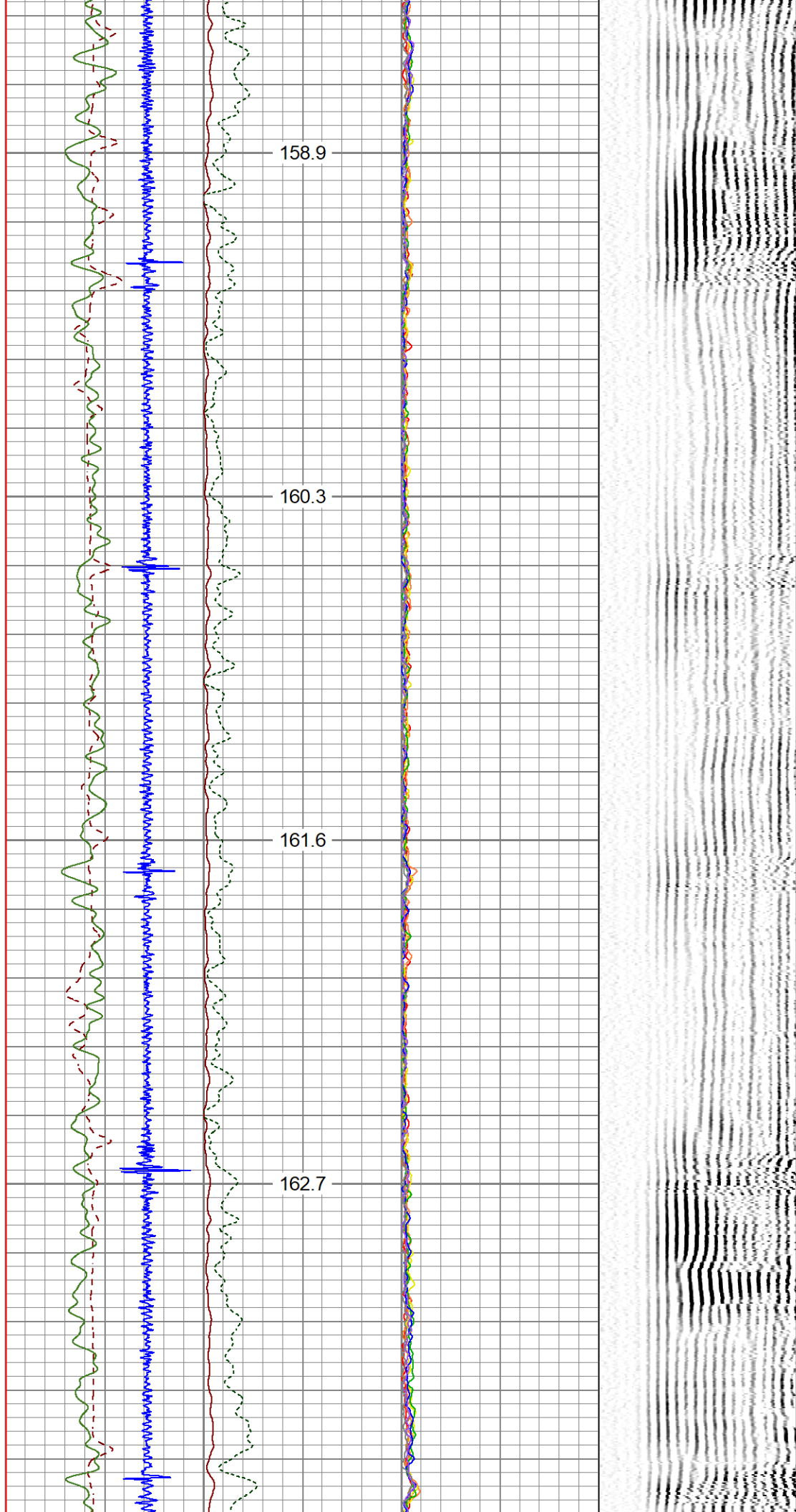
160.3

4550

161.6

4600

162.7



4650

163.7

4700

164.9

4750

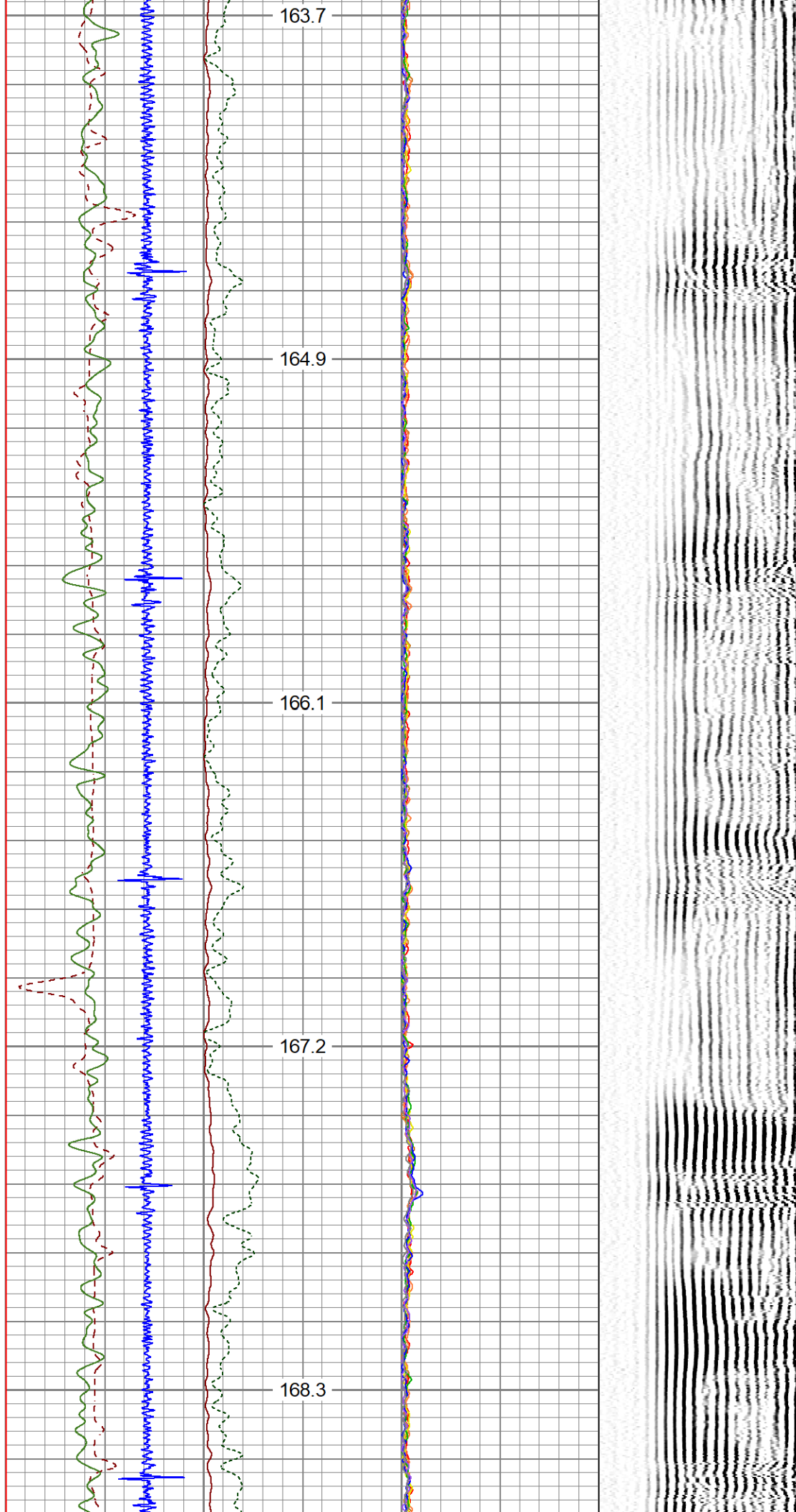
166.1

4800

167.2

4850

168.3



4900

169.4

4950

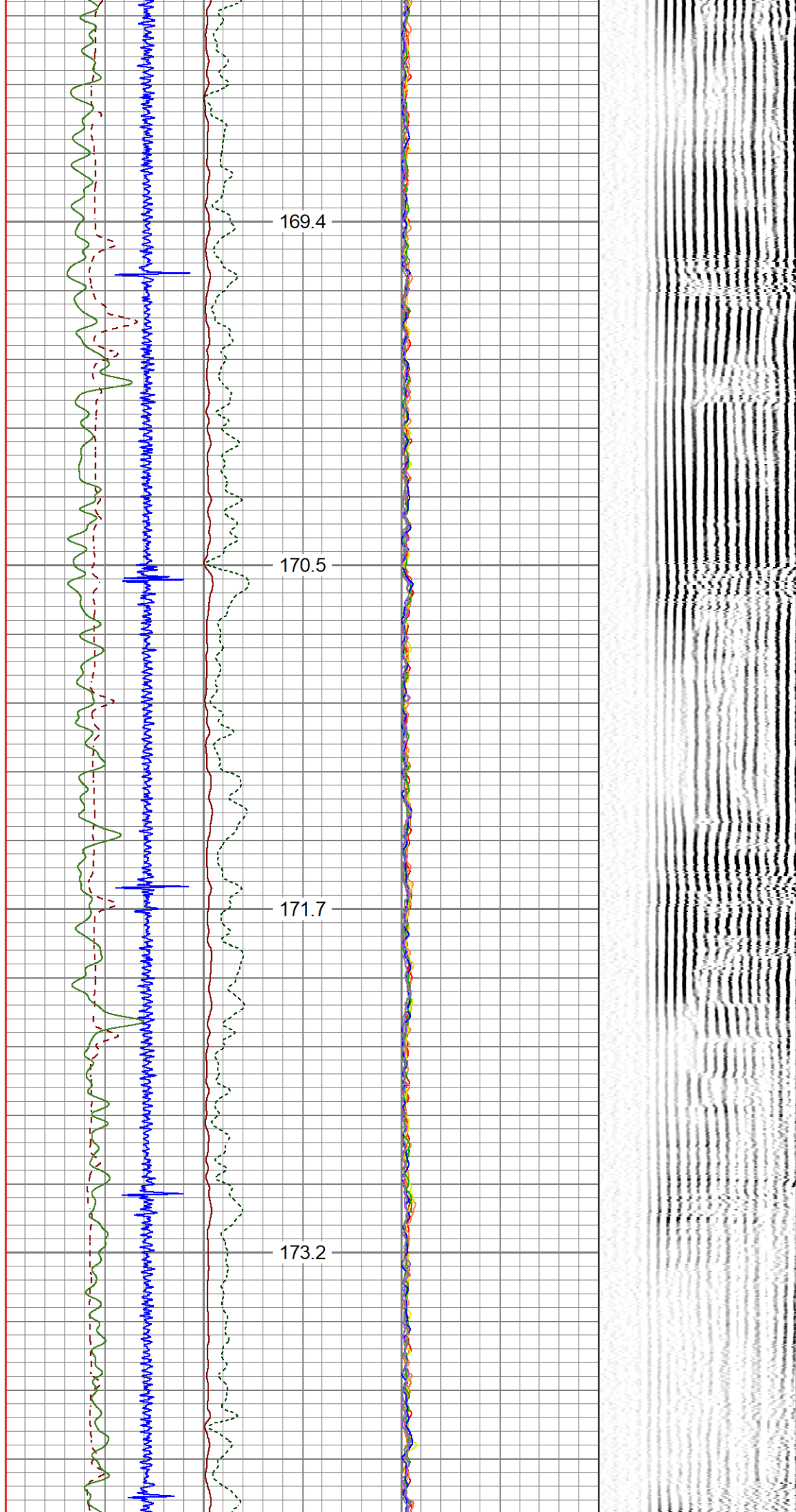
170.5

5000

171.7

5050

173.2



5100

174.8

5150

176.3

5200

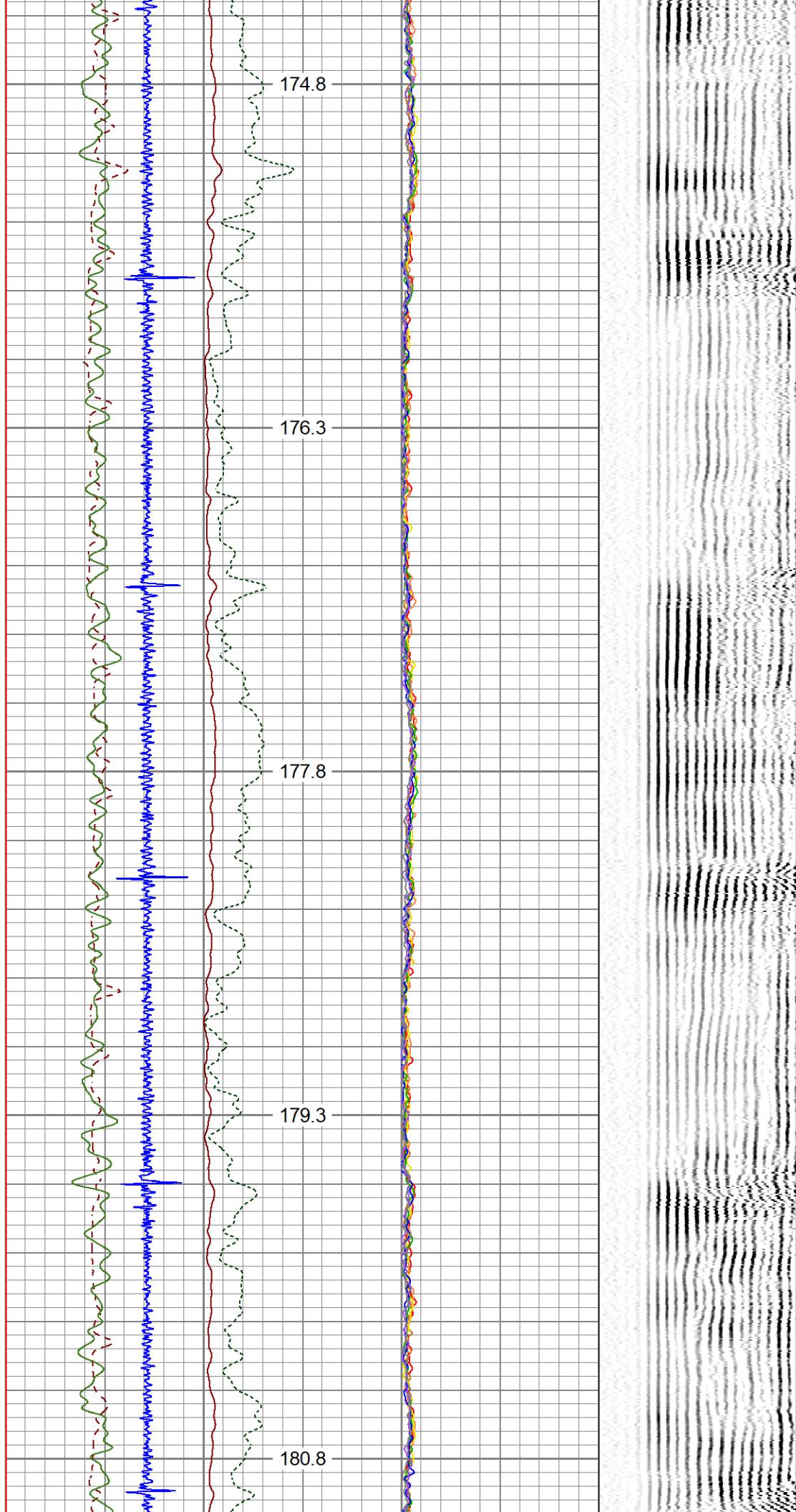
177.8

5250

179.3

5300

180.8



5350

182.2

5400

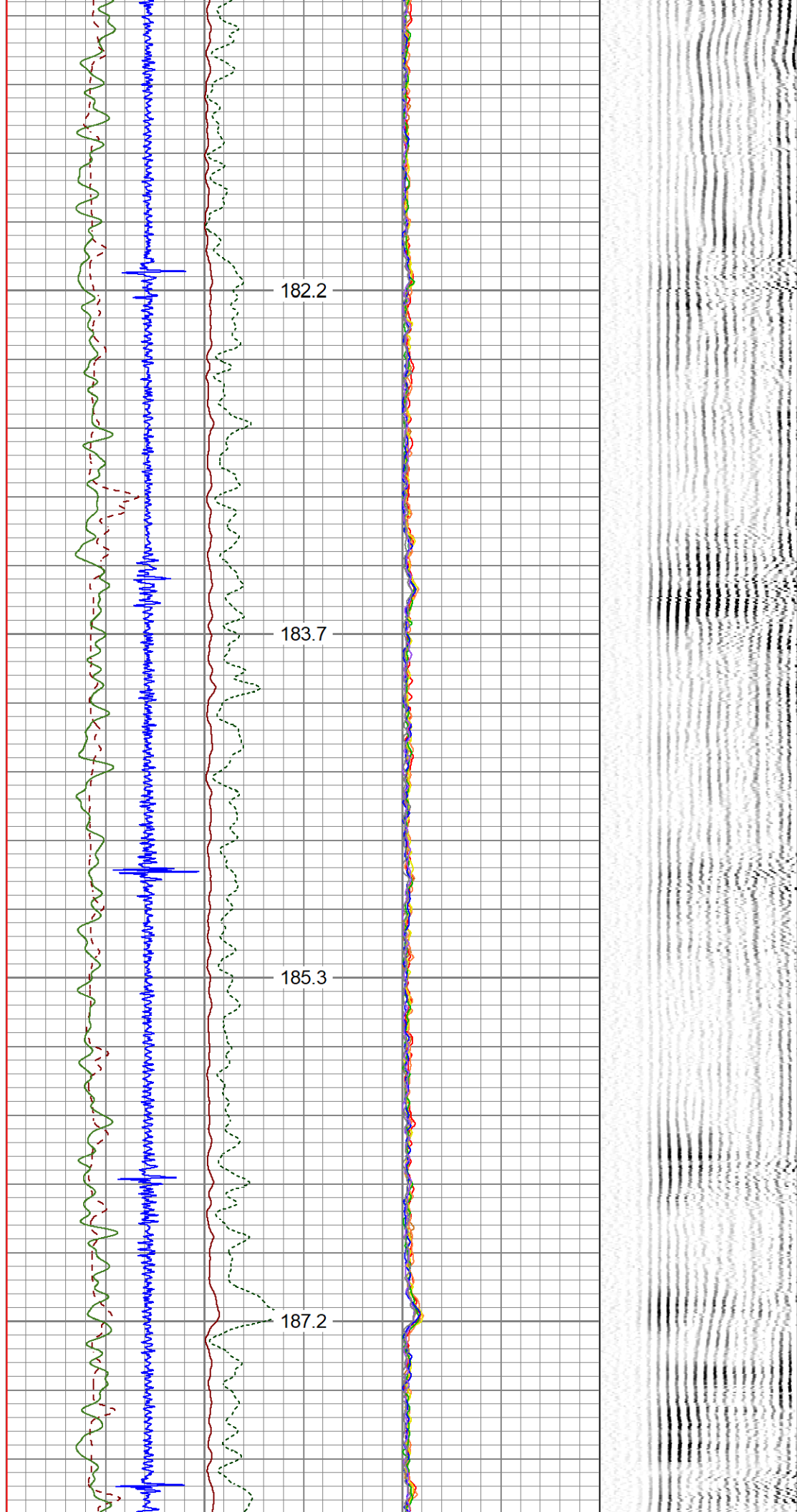
183.7

5450

185.3

5500

187.2



5550

188.9

5600

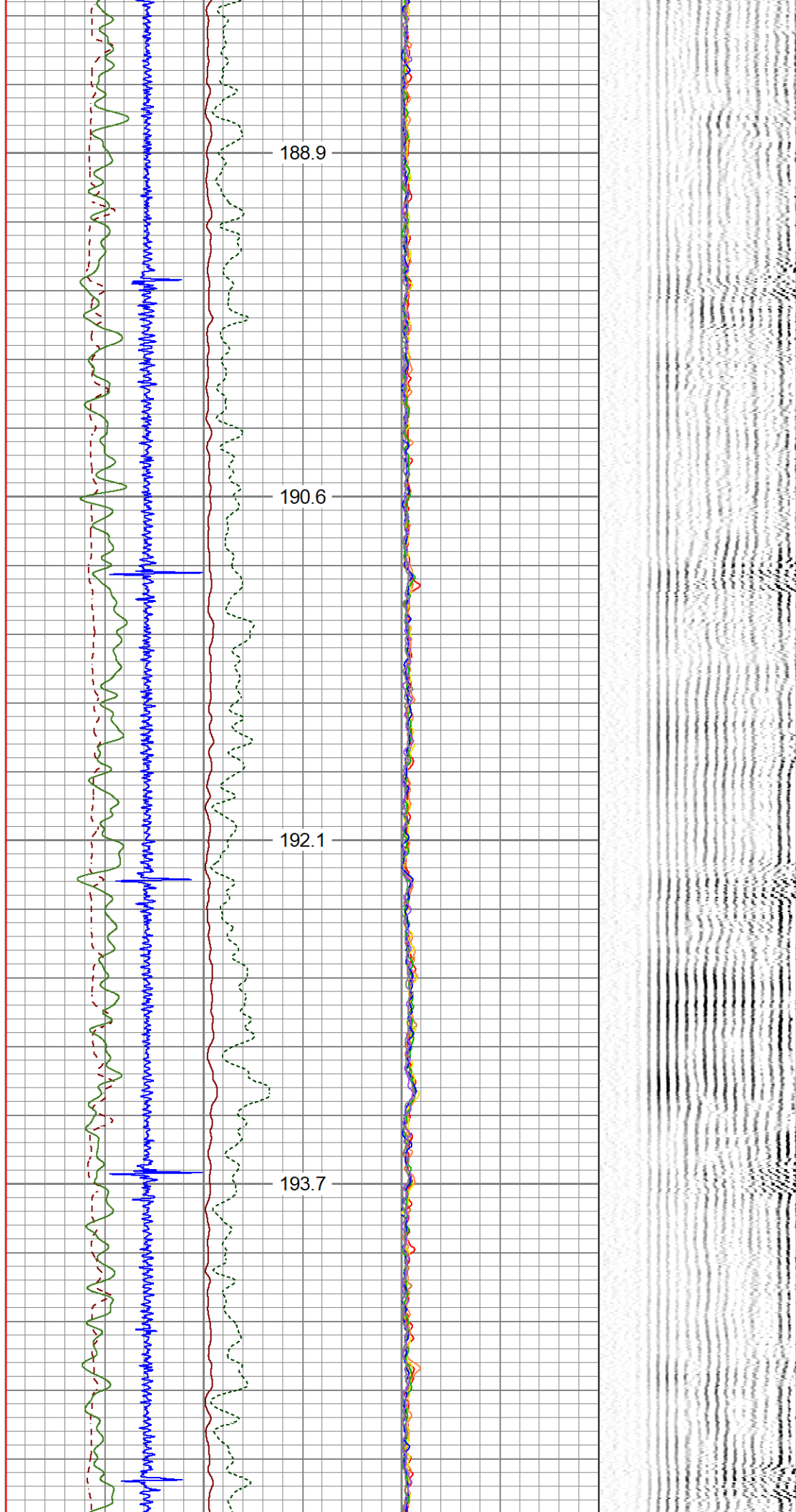
190.6

5650

192.1

5700

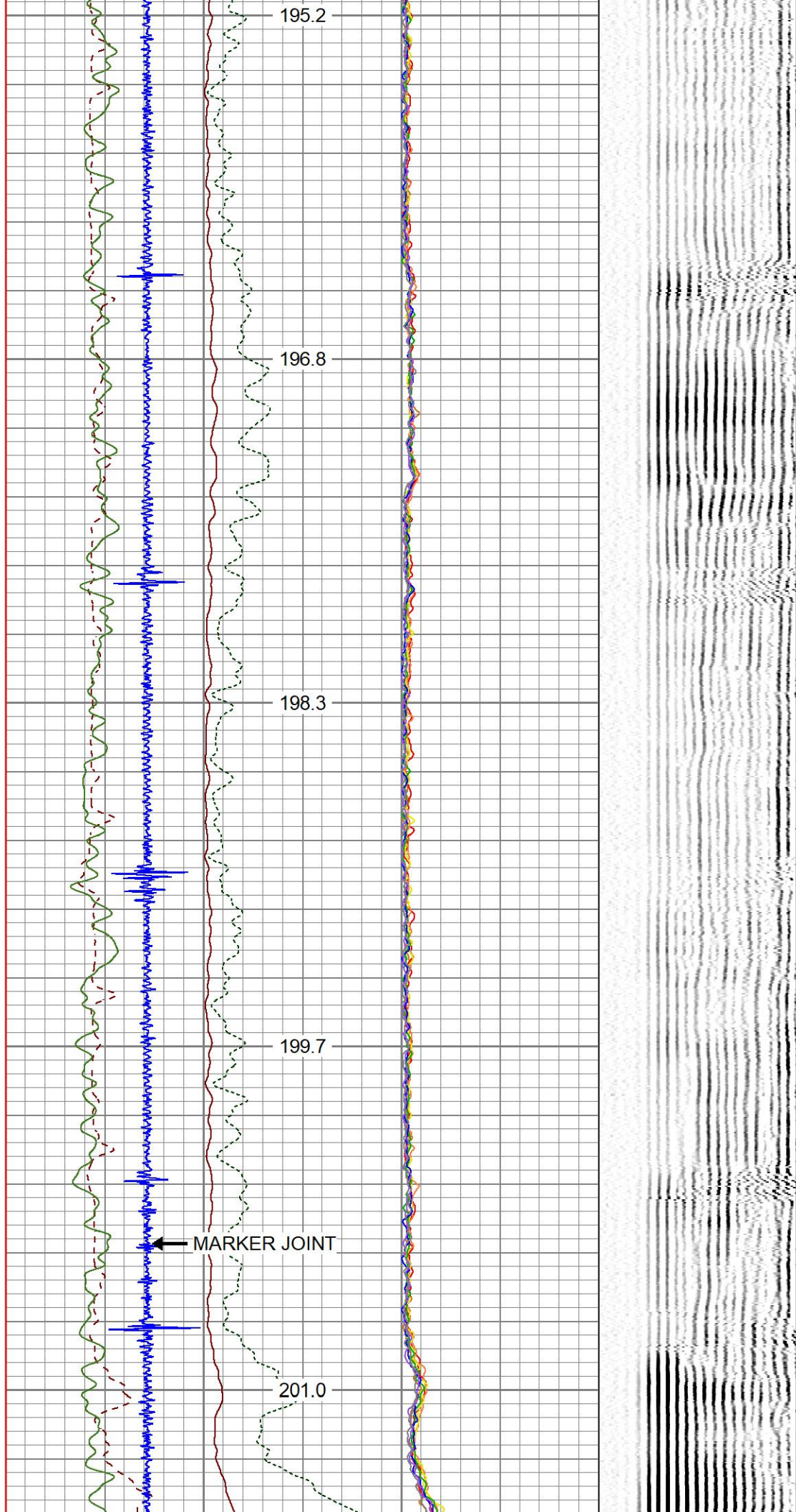
193.7



5750
5800
5850
5900
5950

195.2
196.8
198.3
199.7
201.0

MARKER JOINT



6000

202.2

6050

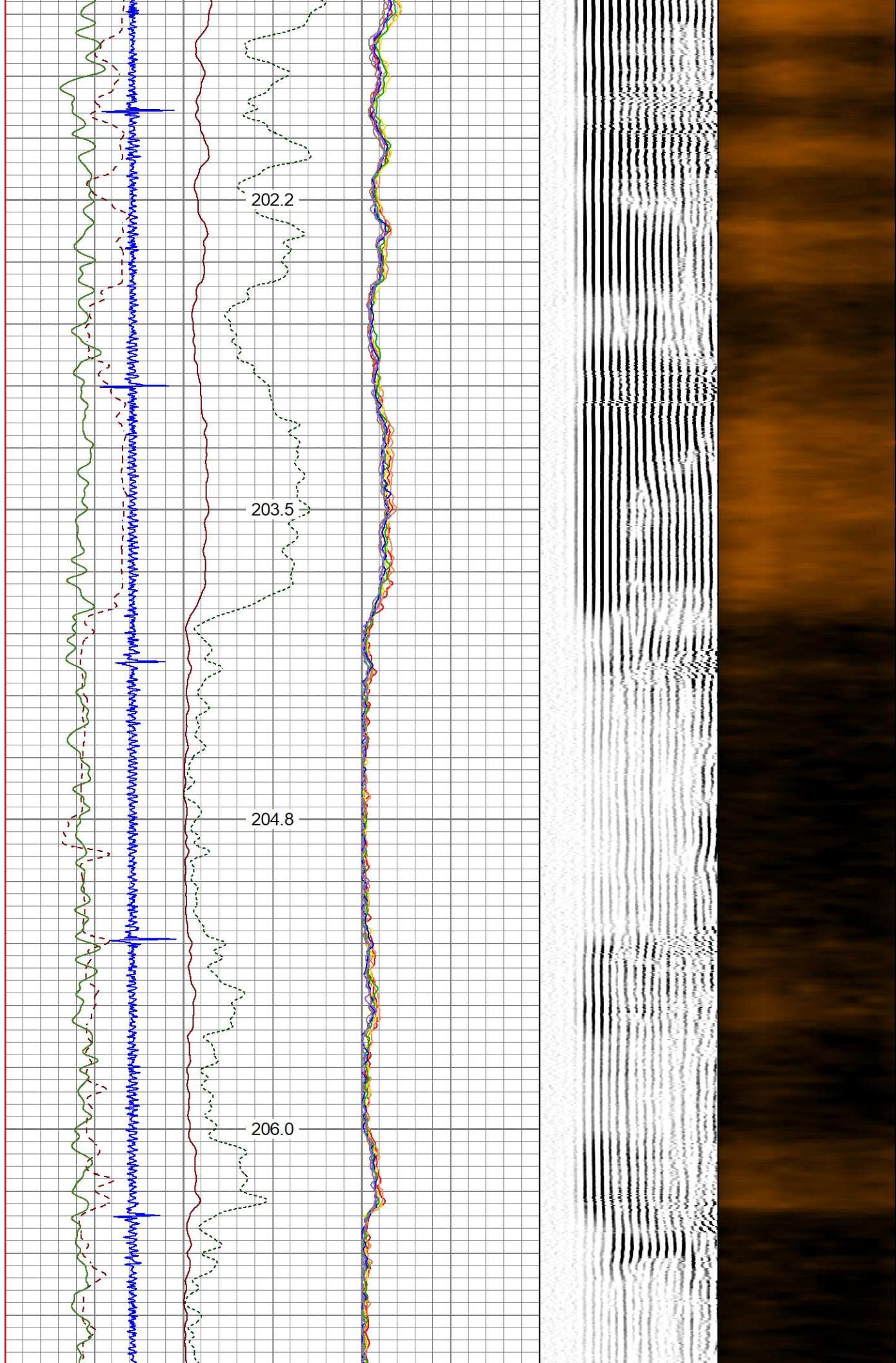
203.5

6100

204.8

6150

206.0



6200

207.2

6250

208.4

6300

209.6

6350

210.8

6400

212.0

DTMP

LSPD

LTEN

3' Travel Time

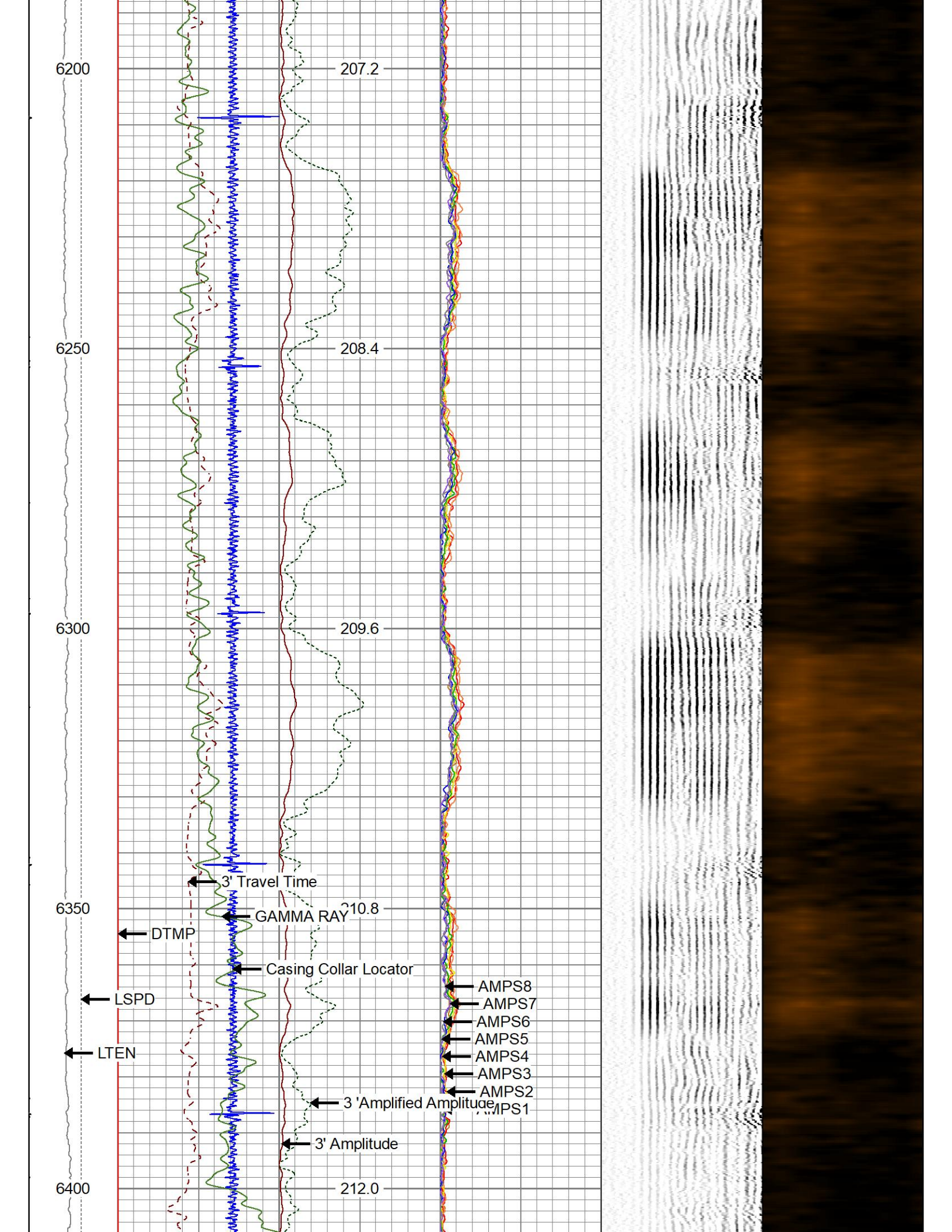
GAMMA RAY

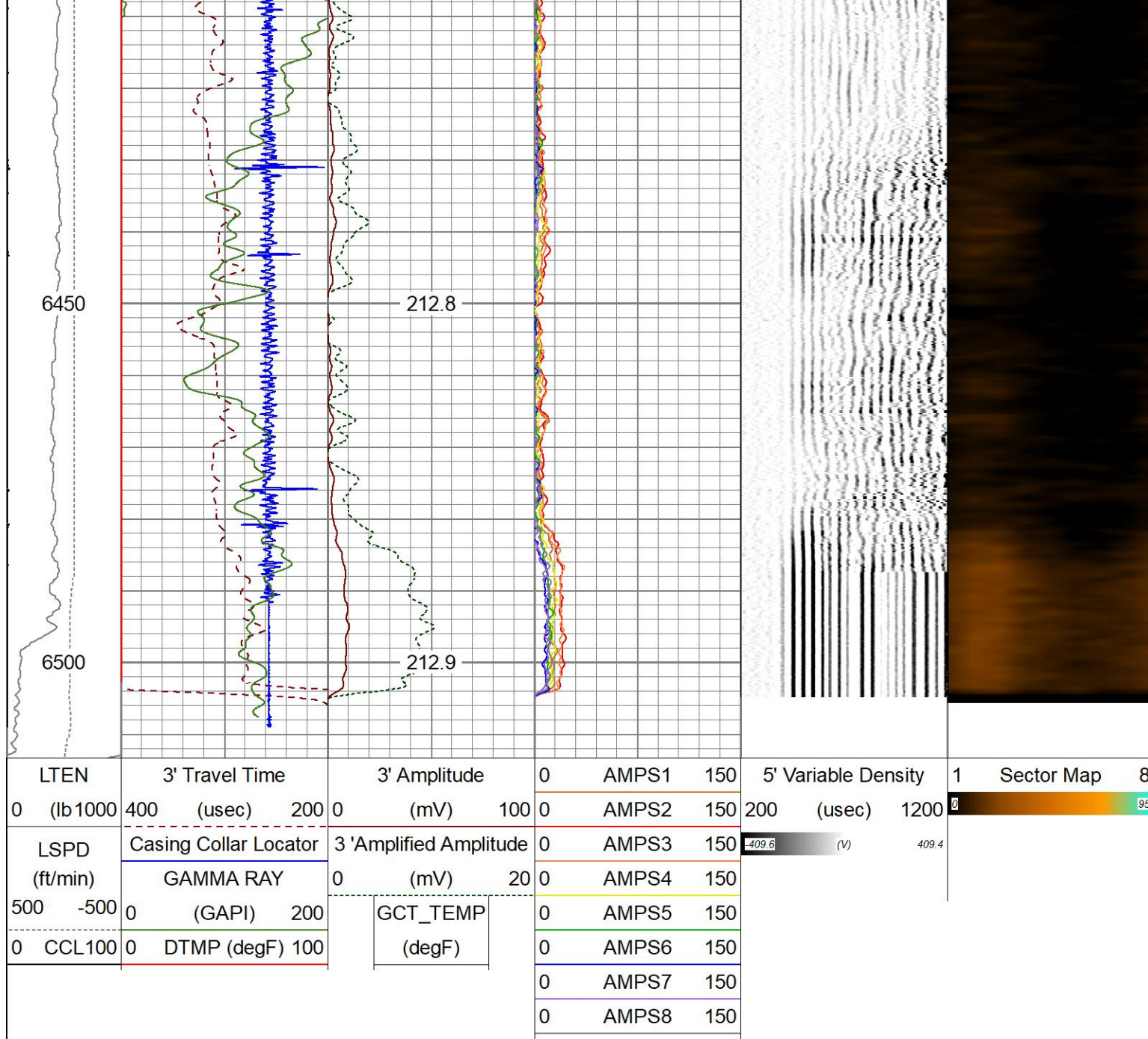
Casing Collar Locator

3' Amplified Amplitude

3' Amplitude

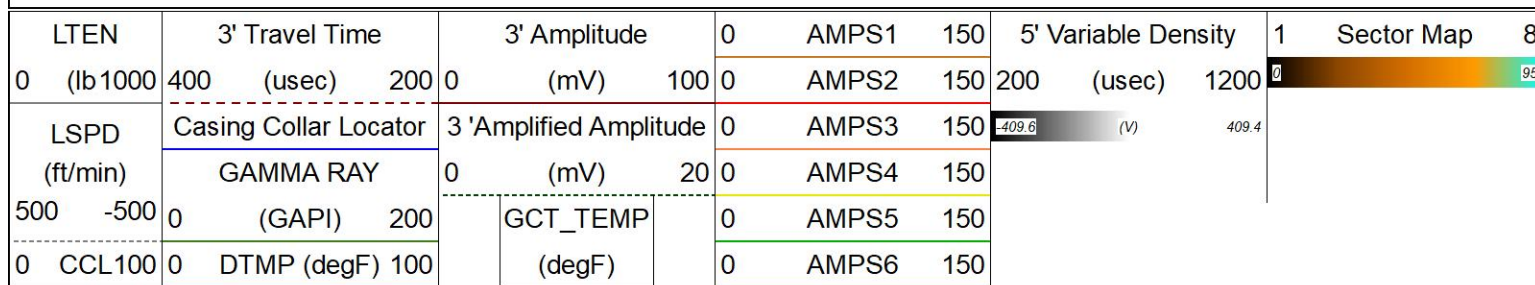
AMPS8
AMPS7
AMPS6
AMPS5
AMPS4
AMPS3
AMPS2
AMPS1



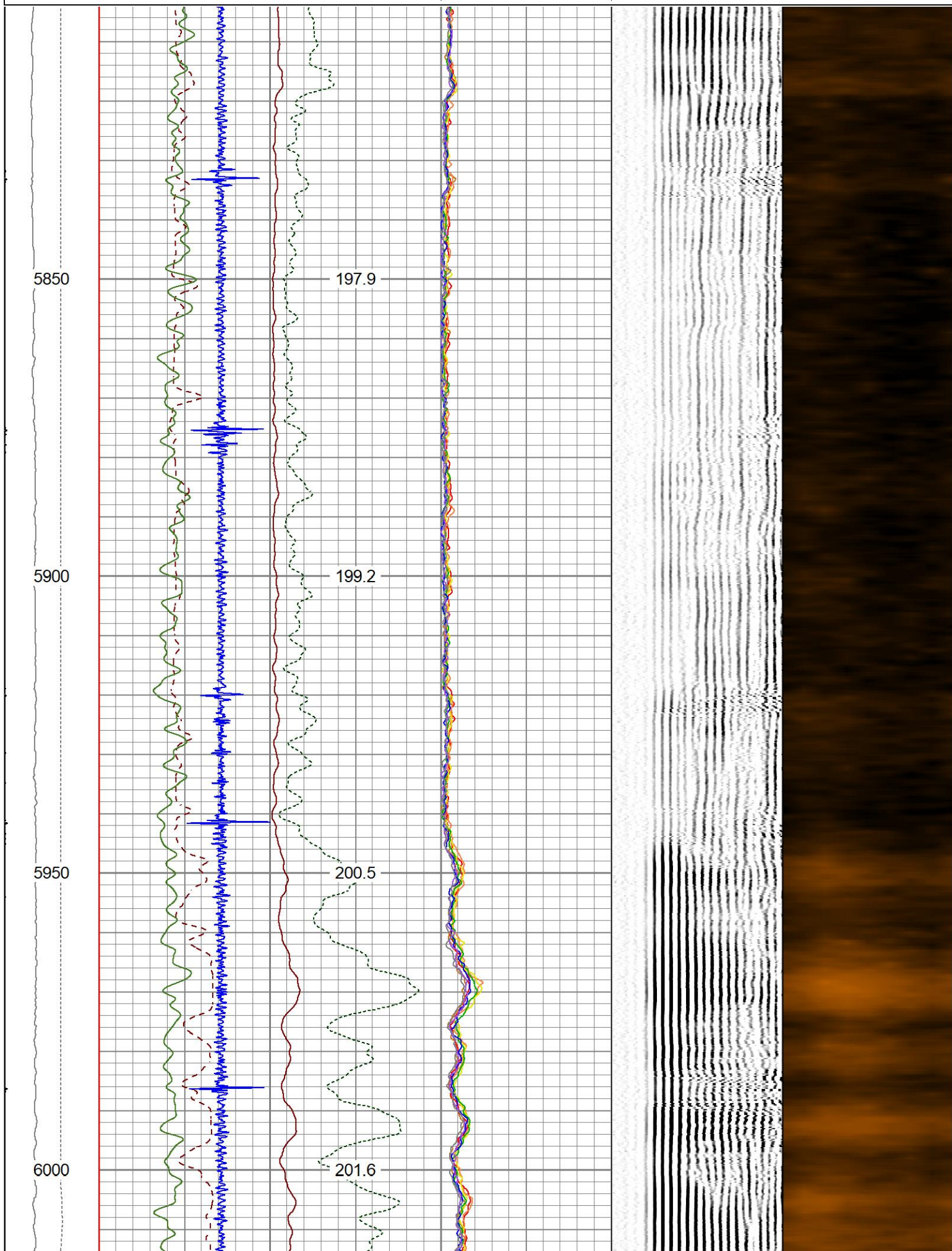


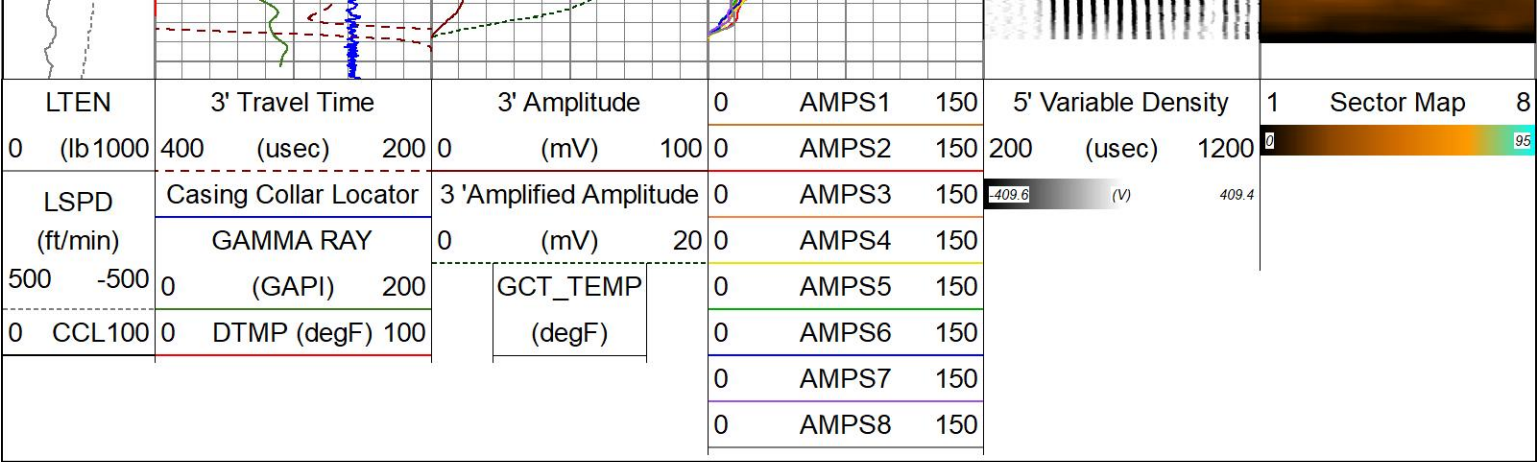
REPEAT PASS

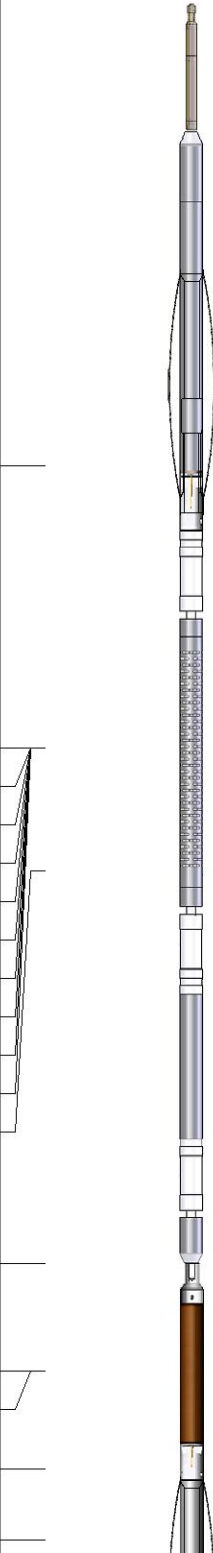
Database File civitas_state_antelope_43-13-3hn_rcbl.db
 Dataset Pathname rcbl/pass2
 Presentation Format rbl_all_8_2020
 Dataset Creation Tue Nov 01 13:23:09 2022
 Charted by Depth in Feet scaled 1:240



0	AMPS7	150
0	AMPS8	150





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	11.57		Cable Head-Titan_144 1 7/16" Titan Cable Head	1.03	1.44	2.00
			CENT-overbody	2.00	4.50	3.00
			PROBE-RBT-DIGITAL-RBL-DCT (140142) Probe 2 3/4" Radii Bond with Temp-Corrosion Package	9.21	2.75	105.00
WVFS8	9.27					
WVFS7	9.27					
WVFS6	9.27					
WVFS5	9.27					
WVFS4	9.27					
WVFS3	9.27					
WVFS2	9.27					
WVFS1	9.27					
WVFCAL	9.27					
WVF3FT	9.27					
WVF5FT	8.27					
HEADVOLT	5.08					
DCCL	4.21					
CCL	4.21					
GCT_TEMP	3.42					
GR	2.83		PROBE-GR/CCL-DIGITAL-275 Probe GCT	4.75	2.75	60.00

			PROBE-OR-CCL-DIGITAL-275T Probe GCT (2107026) Probe 2 3/4" Gamma Ray/Temp/CCL 6 Pin	4.75	2.75	60.00
			CENT-overbody	2.00	4.50	3.00
			Bullnose-PROBE Probe Go Pin Pressure Cap	0.33	1.38	1.00
Dataset: civitas_state_antelope_43-13-3hn_rcbl.db: field/well/rcbl/pass4 Total length: 15.32 ft Total weight: 177.00 lb O.D.: 4.50 in						

Calibration Report						
Database File	civitas_state_antelope_43-13-3hn_rcbl.db					
Dataset Pathname	rcbl/pass4					
Dataset Creation	Tue Nov 01 13:31:39 2022					
Gamma Ray Calibration Report						
Serial Number:	2107026					
Tool Model:	275 Probe GCT					
Performed:	Thu Jun 23 12:16:30 2022					
Calibrator Value:	200.0	GAPI				
Background Reading:	43.9	cps				
Calibrator Reading:	269.1	cps				
Sensitivity:	0.8881	GAPI/cps				
Segmented Cement Bond Log Calibration Report						
Serial Number:	140142					
Tool Model:	RBL-DCT					
Calibration Casing Diameter:	5.500	in				
Calibration Depth:	25.675	ft				
Master Calibration, performed Tue Nov 1 10:54:14 2022:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.010	0.704	0.000	71.921	104.623	-1.137
CAL	0.706	0.704				
5'	0.006	0.684	0.000	71.921	105.961	-0.609
SUM						
S1	0.002	0.702	0.000	100.000	142.979	-0.337
S2	0.007	0.716	0.000	100.000	141.154	-1.048
S3	0.009	0.711	0.000	100.000	142.621	-1.342
S4	0.007	0.714	0.000	100.000	141.598	-1.034
S5	0.010	0.711	0.000	100.000	142.591	-1.417
S6	0.008	0.707	0.000	100.000	143.012	-1.180
S7	0.007	0.704	0.000	100.000	143.644	-1.056
S8	0.007	0.706	0.000	100.000	143.124	-0.977
Air Zero Calibration, performed Fri Oct 7 14:03:25 2022:						
	Raw (v)		Calibrated (v)		Results	

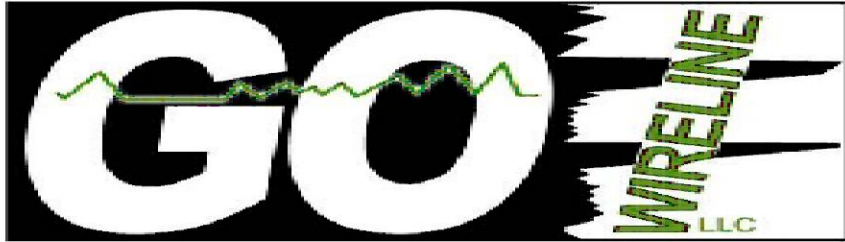
	Zero	Zero	Offset
3'	0.008	0.000	0.002
5'	0.006	0.000	-0.000
SUM			
S1	0.004	0.000	-0.002
S2	0.009	0.000	-0.001
S3	0.010	0.000	-0.001
S4	0.009	0.000	-0.002
S5	0.008	0.000	0.002
S6	0.007	0.000	0.001
S7	0.006	0.000	0.001
S8	0.009	0.000	-0.002

Temperature Calibration Report

Serial Number: 140142
 Tool Model: RBL-DCT
 Performed: (Not Performed)

	Reference	Reading
Low Reference:	0.00 degF	0.00 degF
High Reference:	1.00 degF	1.00 degF

Gain: 1.00
 Offset: 0.00
 Delta Spacing 1



Company Civitas
 Well State Antelope 43-13-3HN
 Field Wattenburg
 County Weld
 State Colorado