



**GAMMA RAY CCL
CEMENT BOND
SECTOR VDL**

Company CRESTONE PEAK RES. OPERATING LLC
Well GRIMM MOTORCROSS 4-65 24 2A3AUH
Field DJ HORIZONTAL NIOBRARA
County ARAPAHOE
State COLORADO

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Field DJ HORIZONTAL NIOBRARA
County ARAPAHOE State COLORADO

Location: API #: 05-005-07570
SEC 19 TWP 4S RGE 64W
Permanent Datum GL Elevation 5698
Log Measured From KB
Drilling Measured From KB
Other Services
K.B. 5723
D.F. 5721
G.L. 5698

Date AUGUST 23, 2024
Run Number ONE
Depth Driller 16,455
Depth Logger 7932
Bottom Logged Interval 7932
Top Log Interval 96
Open Hole Size 8-1/2
Type Fluid WATER
Density / Viscosity N/A
Max. Recorded Temp. 245°F
Estimated Cement Top 92
Time Well Ready ROA
Time Logger on Bottom 14:00
Equipment Number 802
Location KERSEY, CO
Recorded By GREG NOLAN
Witnessed By JOSH KLIJESON

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

	Size	Wgt/Ft	Top	Bottom
Casing Record	9-5/8	36# J-55	SURFACE	3208
Surface String				
Prot. String	5-1/2	20# P-110	SURFACE	16,455
Production String				
Liner				

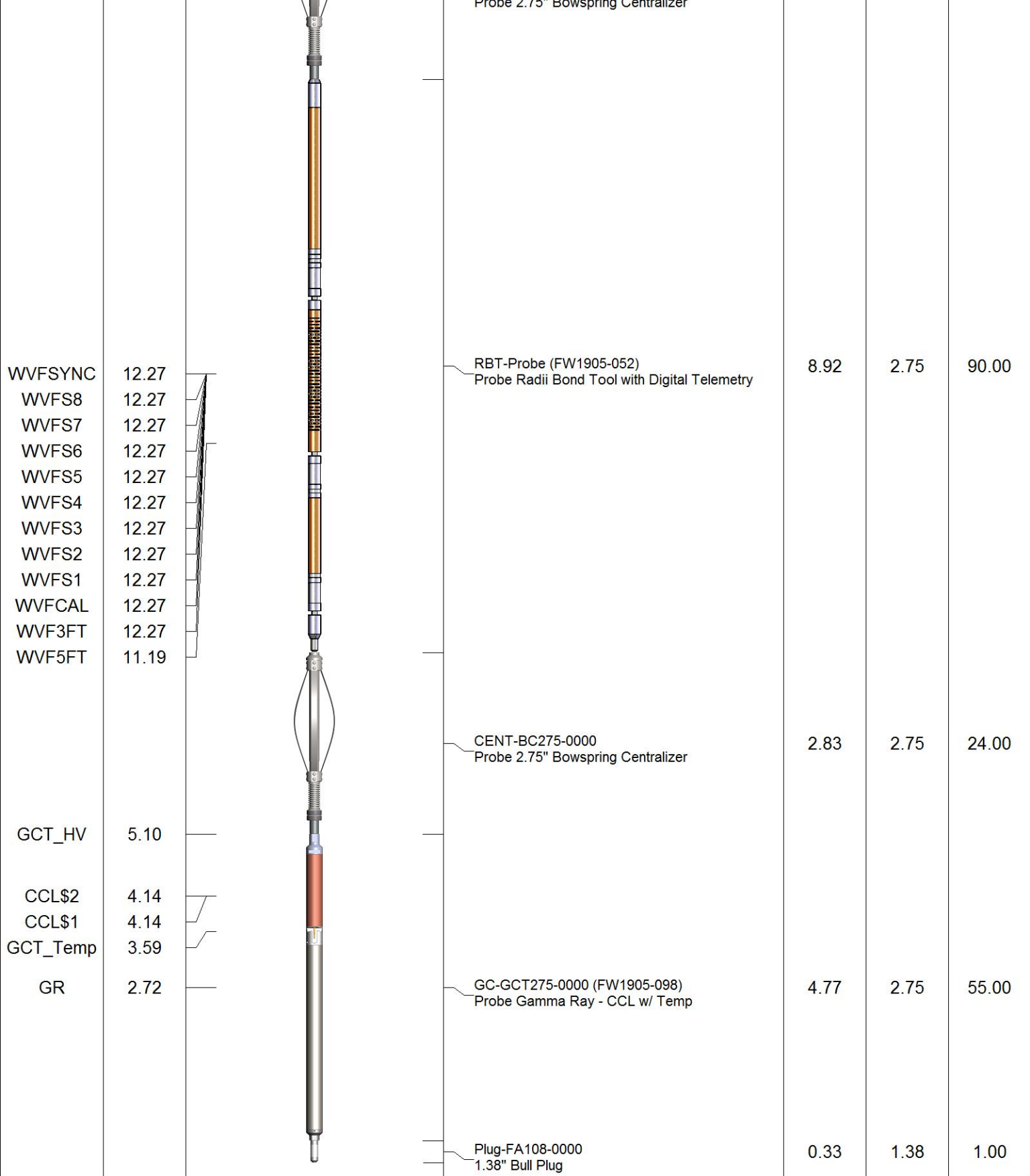
<<< Fold Here >>>

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

THANK YOU FOR CHOOSING SUREFIRE WIRELINE WEST!!!!

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ErrCt	19.69		CENT-BC275-0000 Pulsar 275L Reservoir Centralizer	2.83	2.75	24.00



Dataset: cbl civitas grimm motorcross 4-65 24 2a3auh.db: field/well/run1/pass4
 Total length: 19.69 ft
 Total weight: 194.00 lb
 O.D.: 2.75 in

Database File cbl civitas grimm motorcross 4-65 24 2a3auh.db
 Dataset Pathname pass4
 Presentation Format civitas
 Dataset Creation Fri Aug 23 14:09:11 2024
 Charted by Depth in Feet scaled 1:240

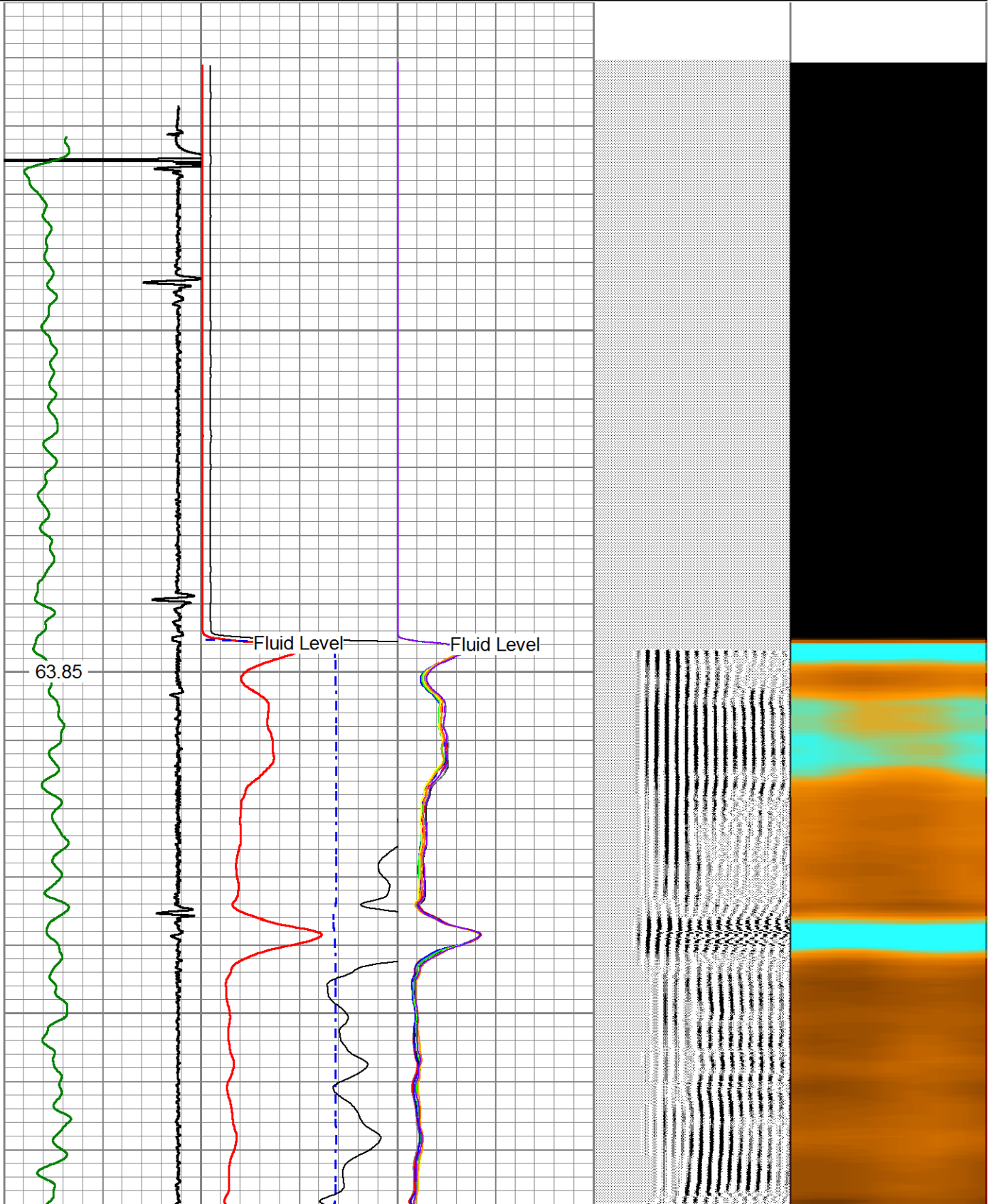
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0	GR (GAPI)	150	650	TT (usec)	150	0	AMPS2	150					
GCT_TEMP		0	AMPx5 (mV)	20	0	AMPS3	150						
(degF)					0	AMPS4	150						
					0	AMPS5	150						
					0	AMPS6	150						
					0	AMPS7	150						
					0	AMPS8	150						



50

100

150



200

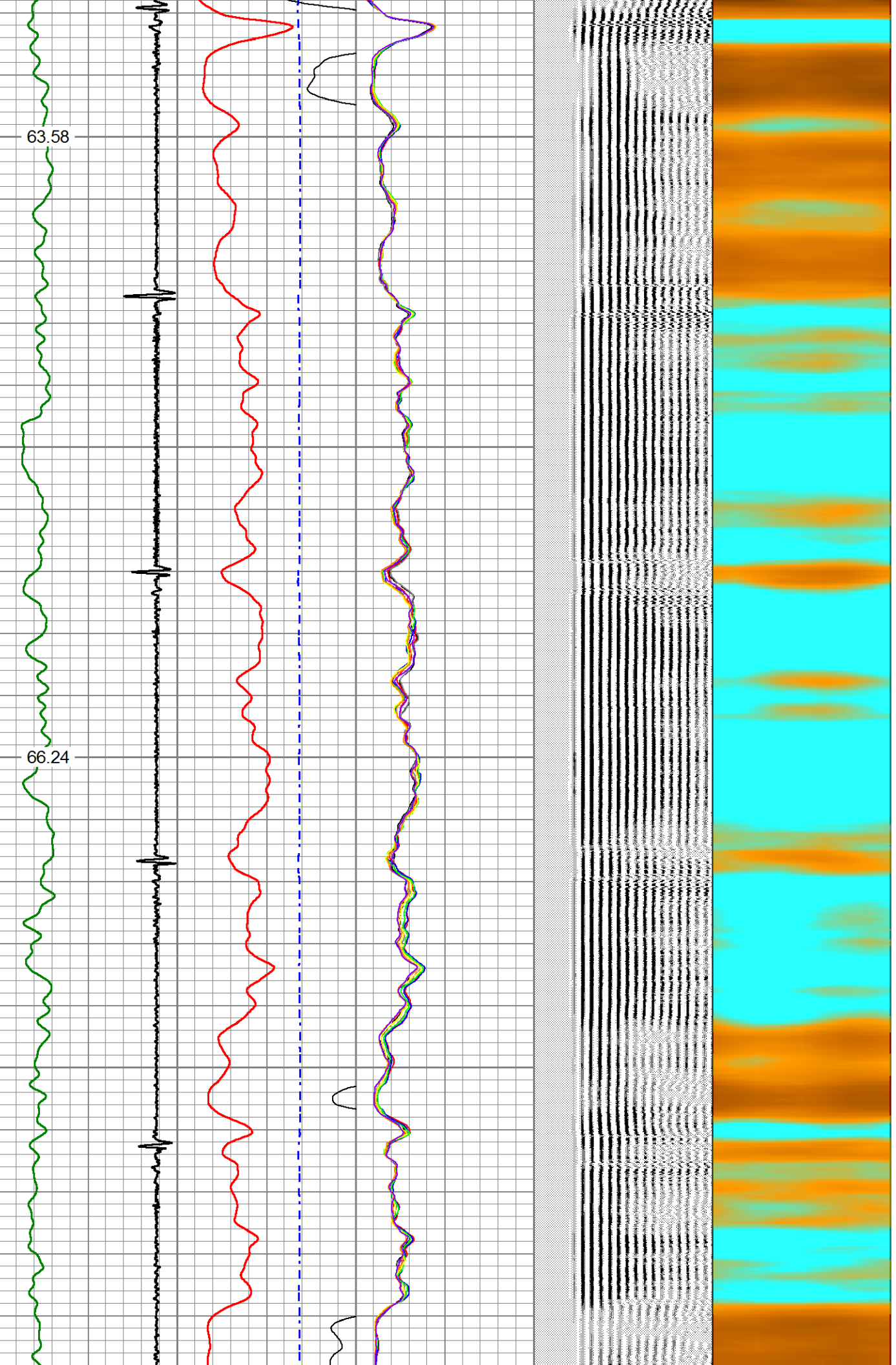
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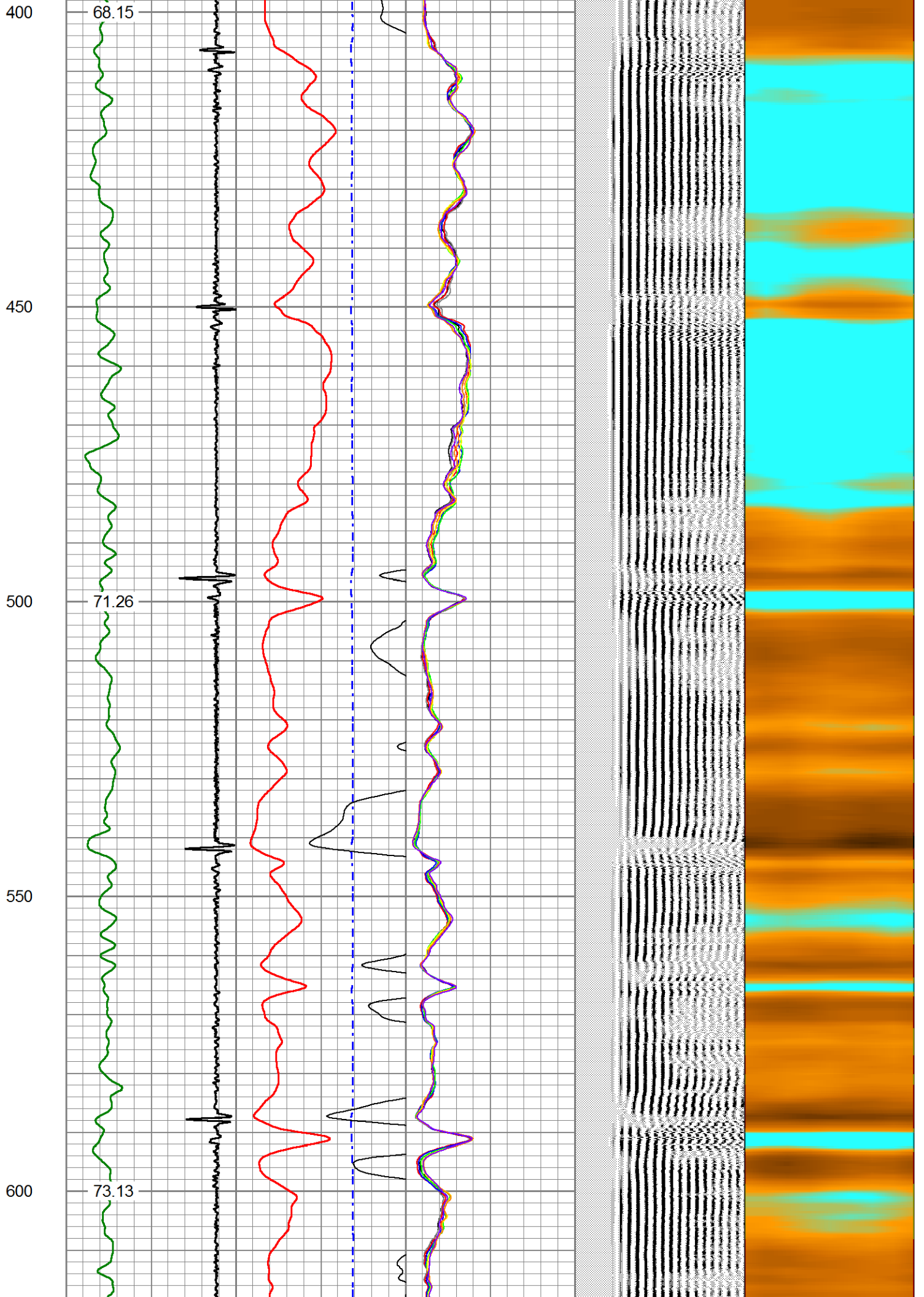
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300

66.24

350





650

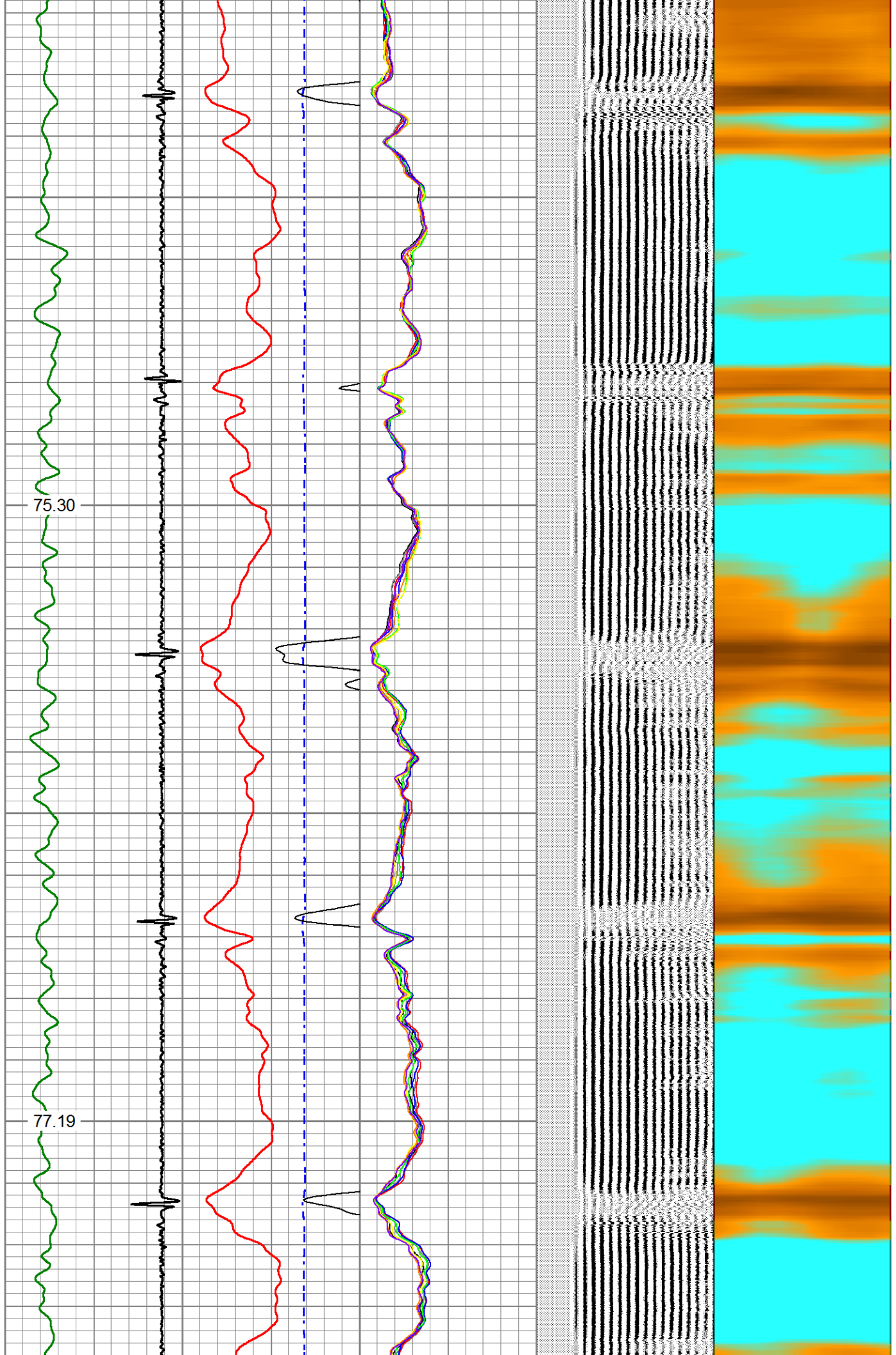
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750

800

75.30

77.19



850

900

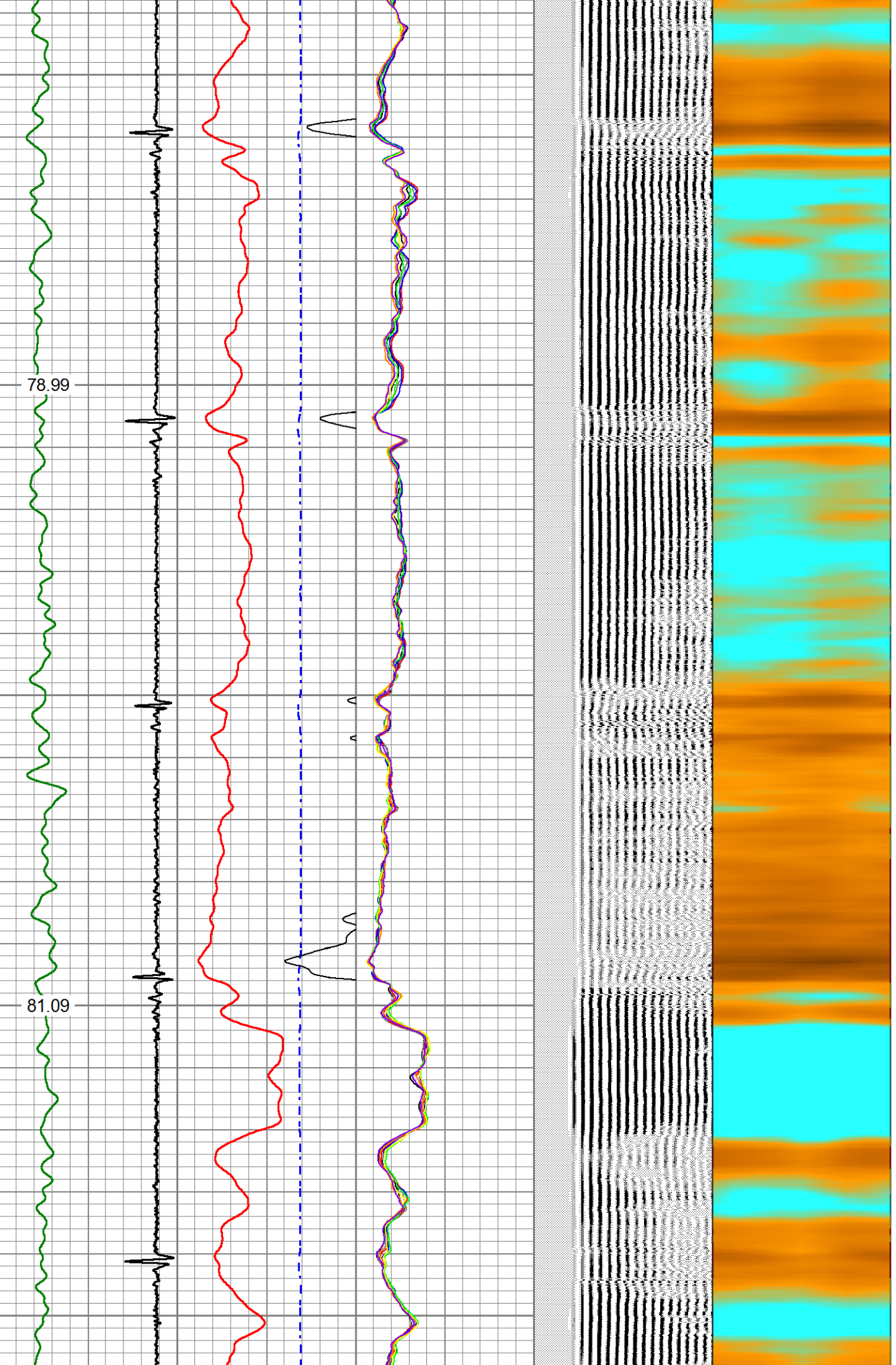
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1000

1050

78.99

81.09



1100

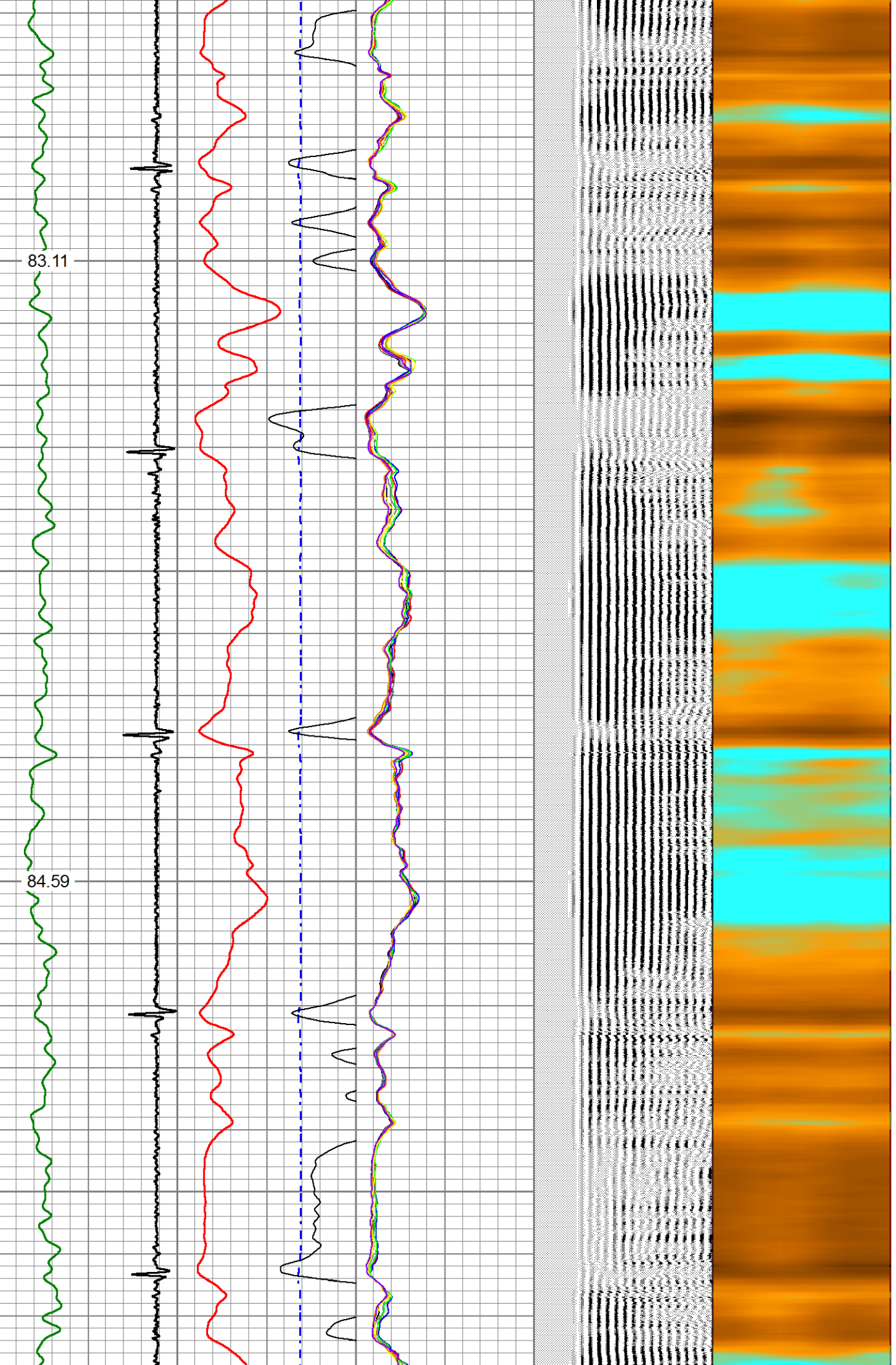
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1200

1250

83.11

84.59



1300

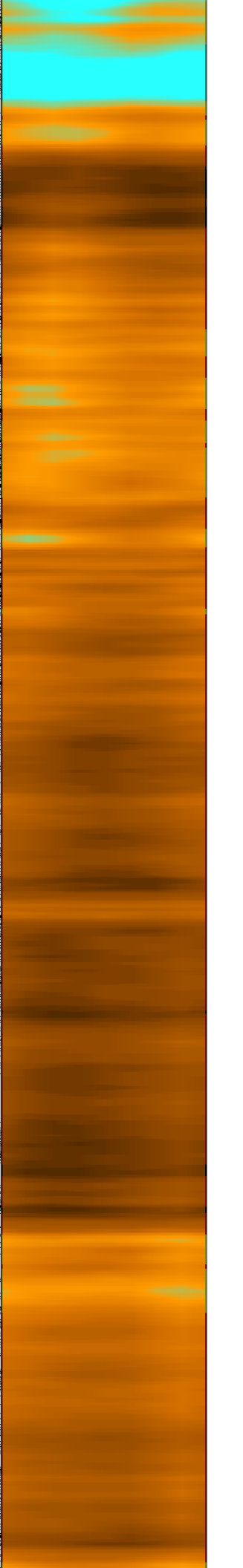
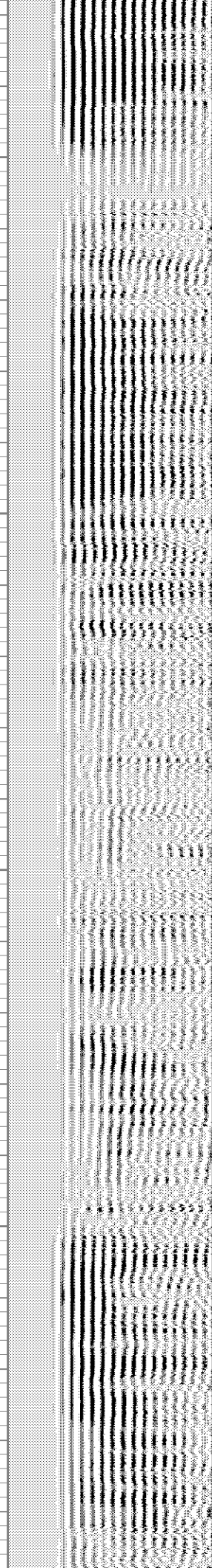
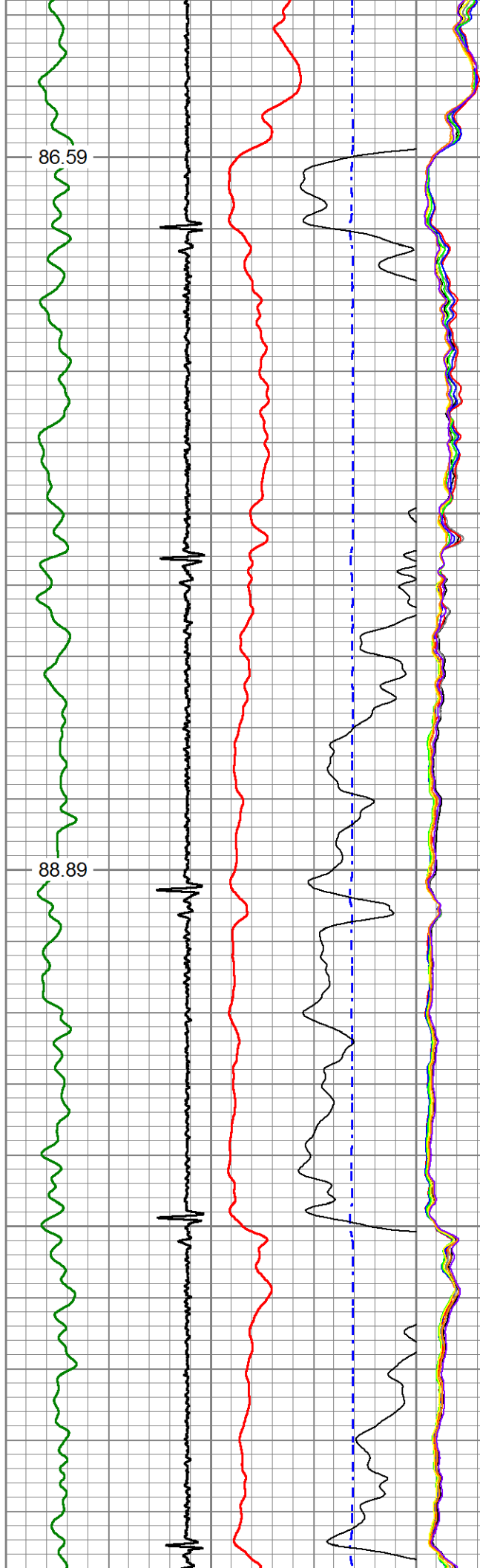
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1400

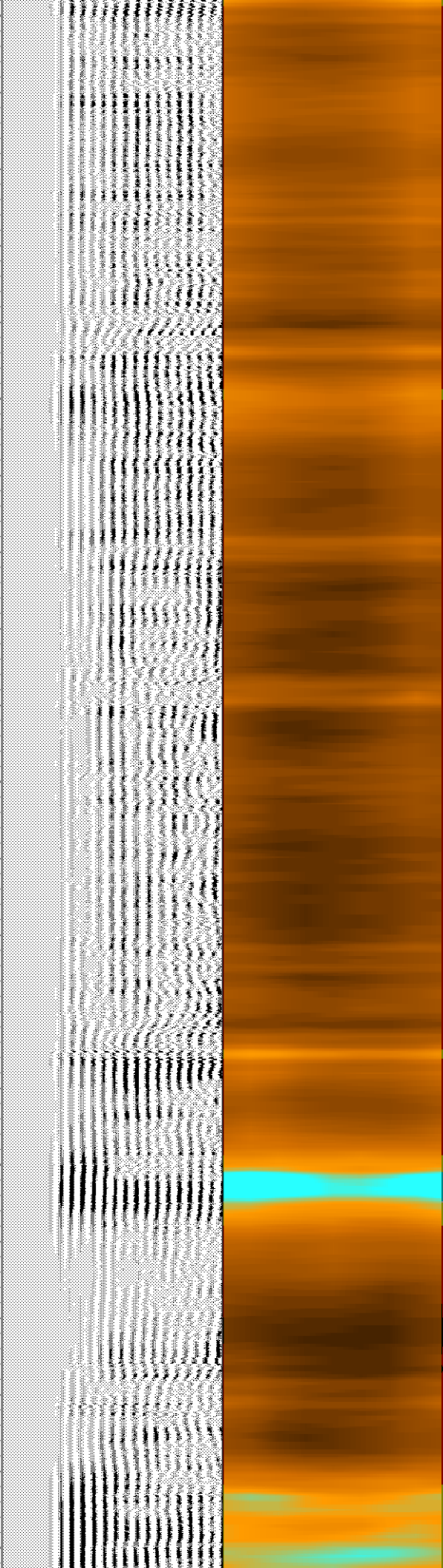
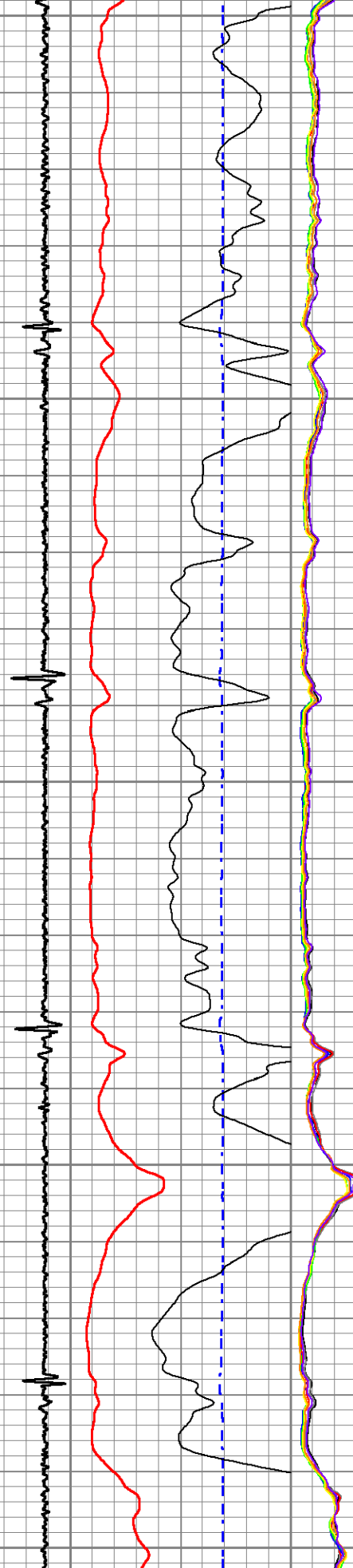
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1500
1550
1600
1650
1700

91.14
93.00
96.11



1750

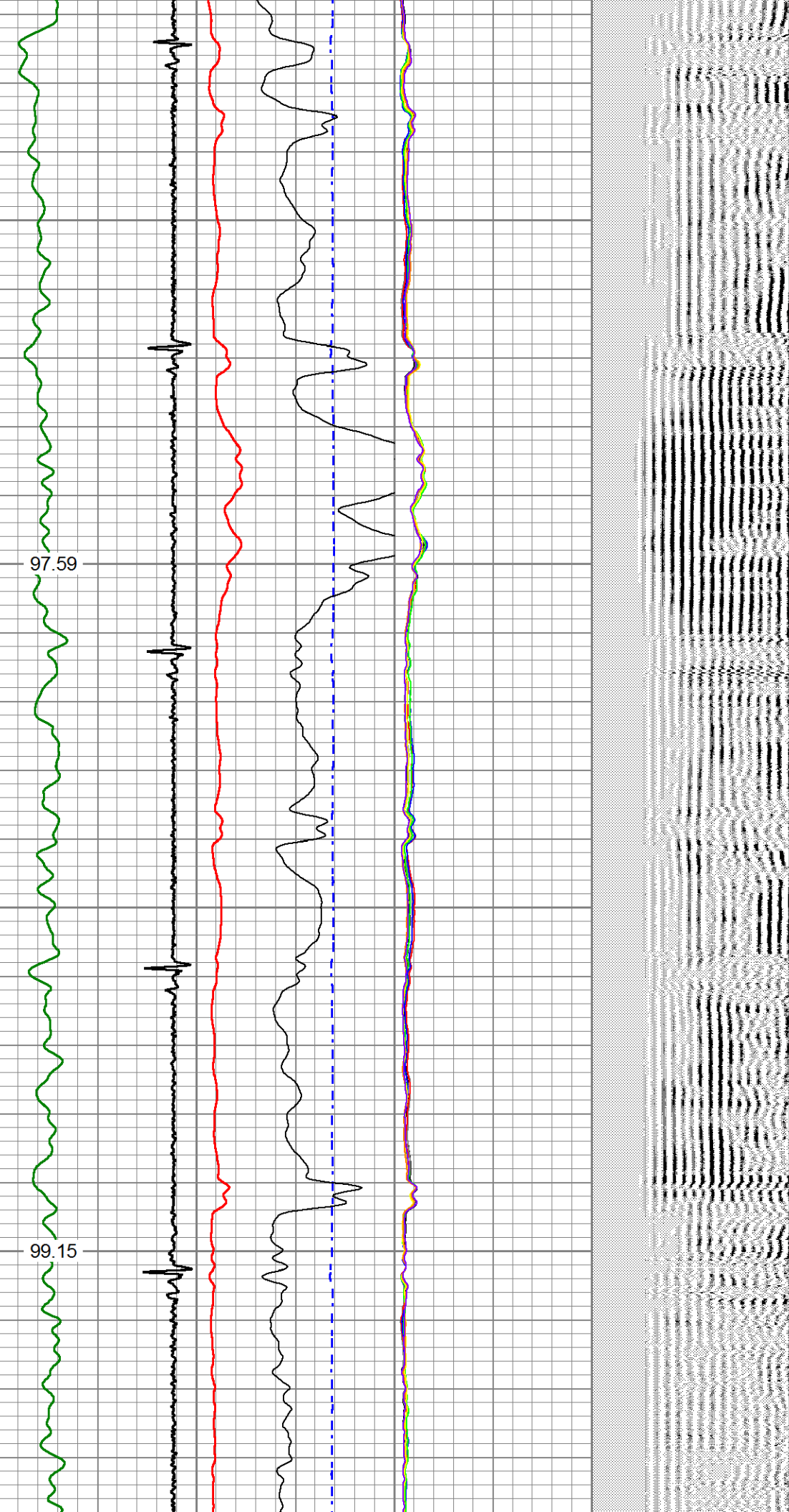
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1850

1900

97.59

99.15



1950

2000

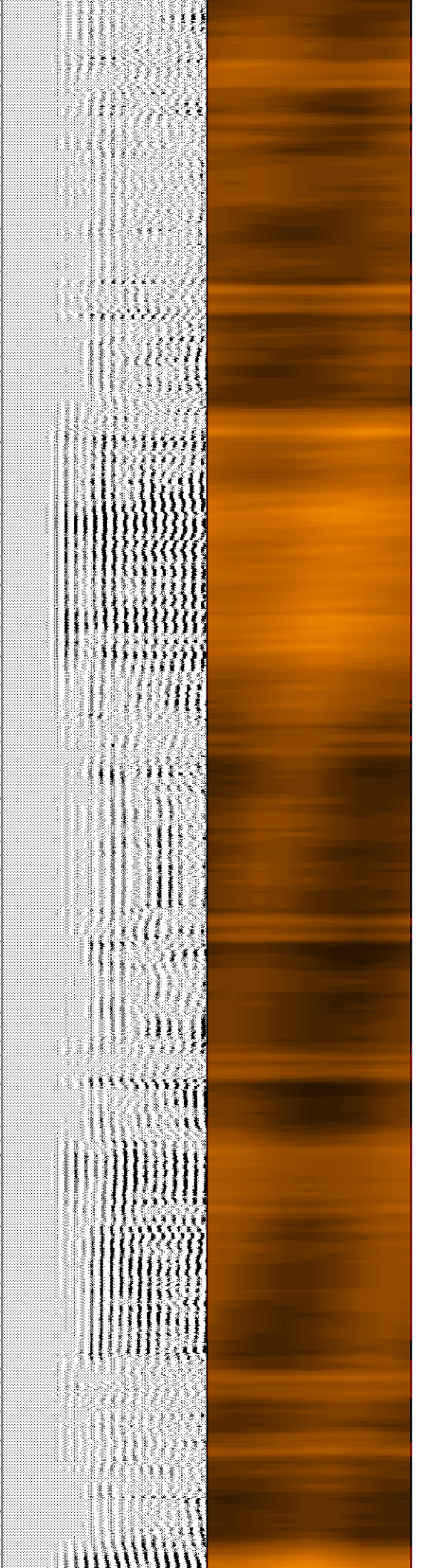
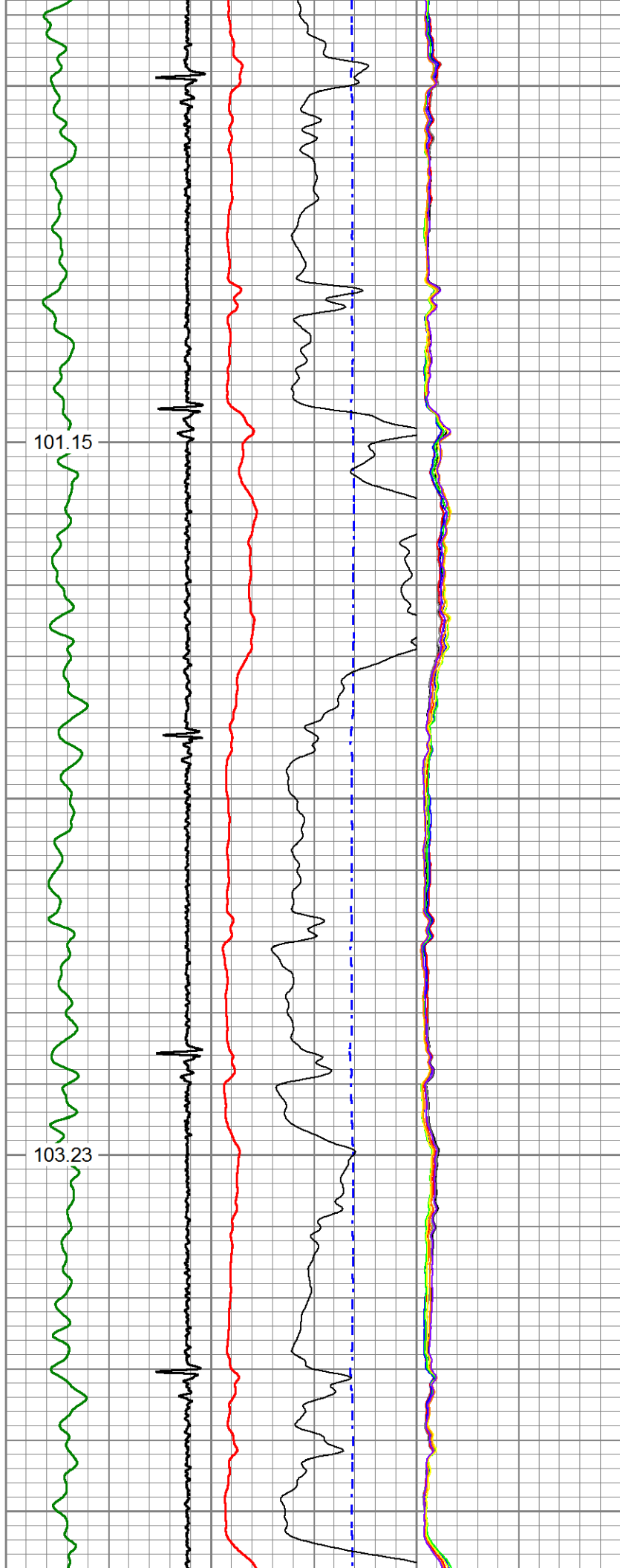
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2150

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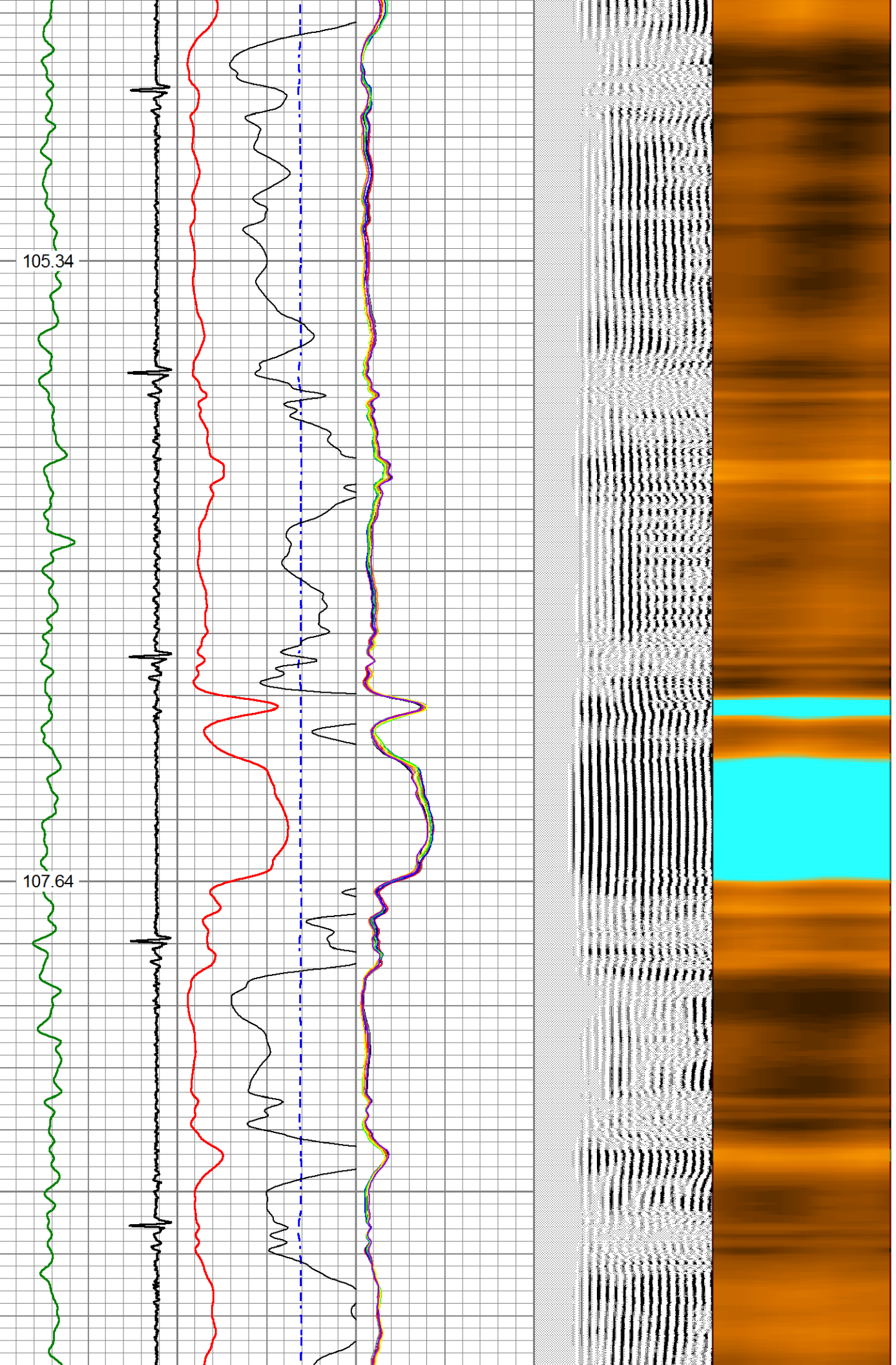
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2300

107.64

2350



2400

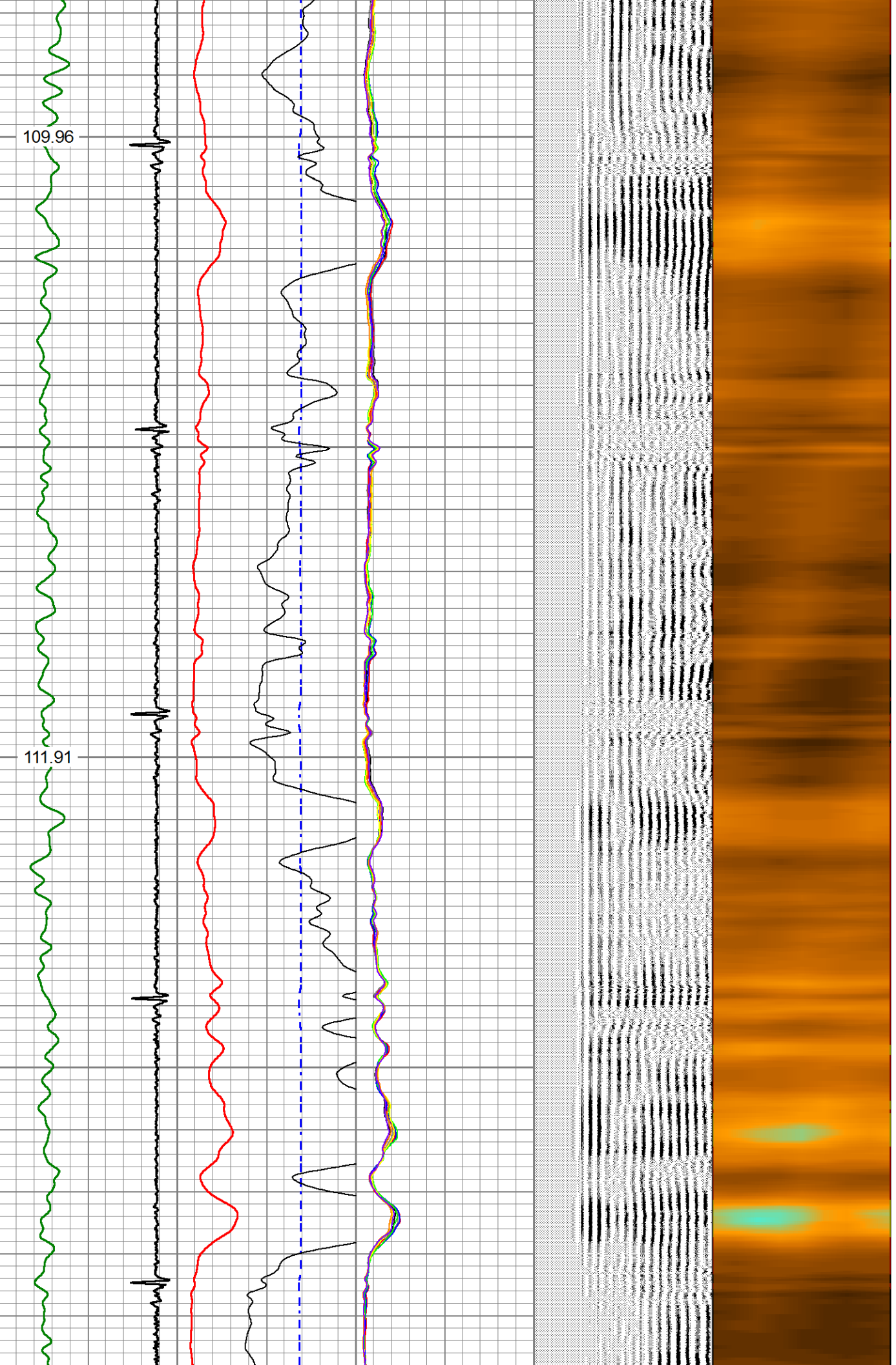
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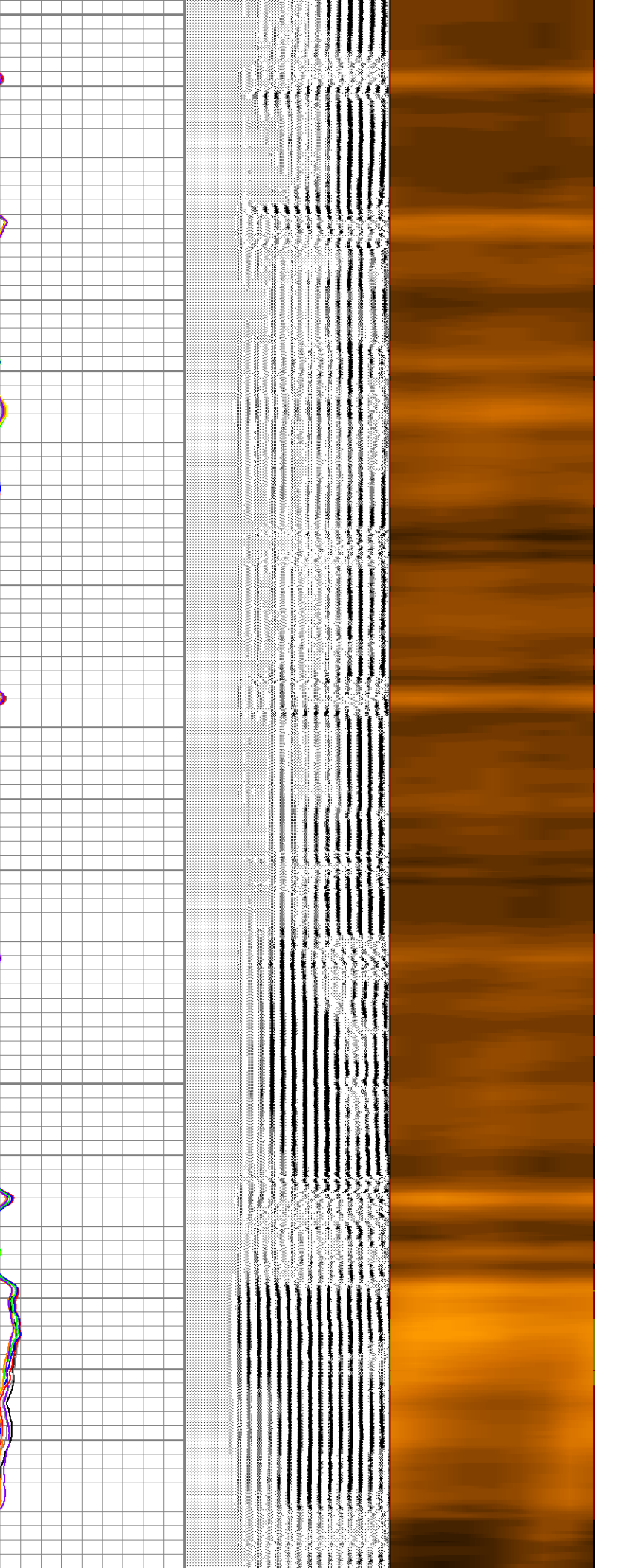
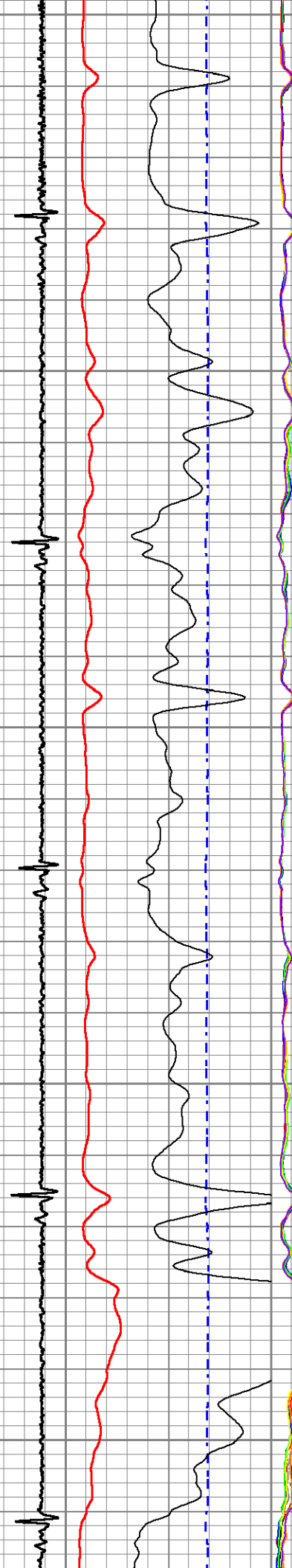
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2700
2750
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115.91
118.00



2850

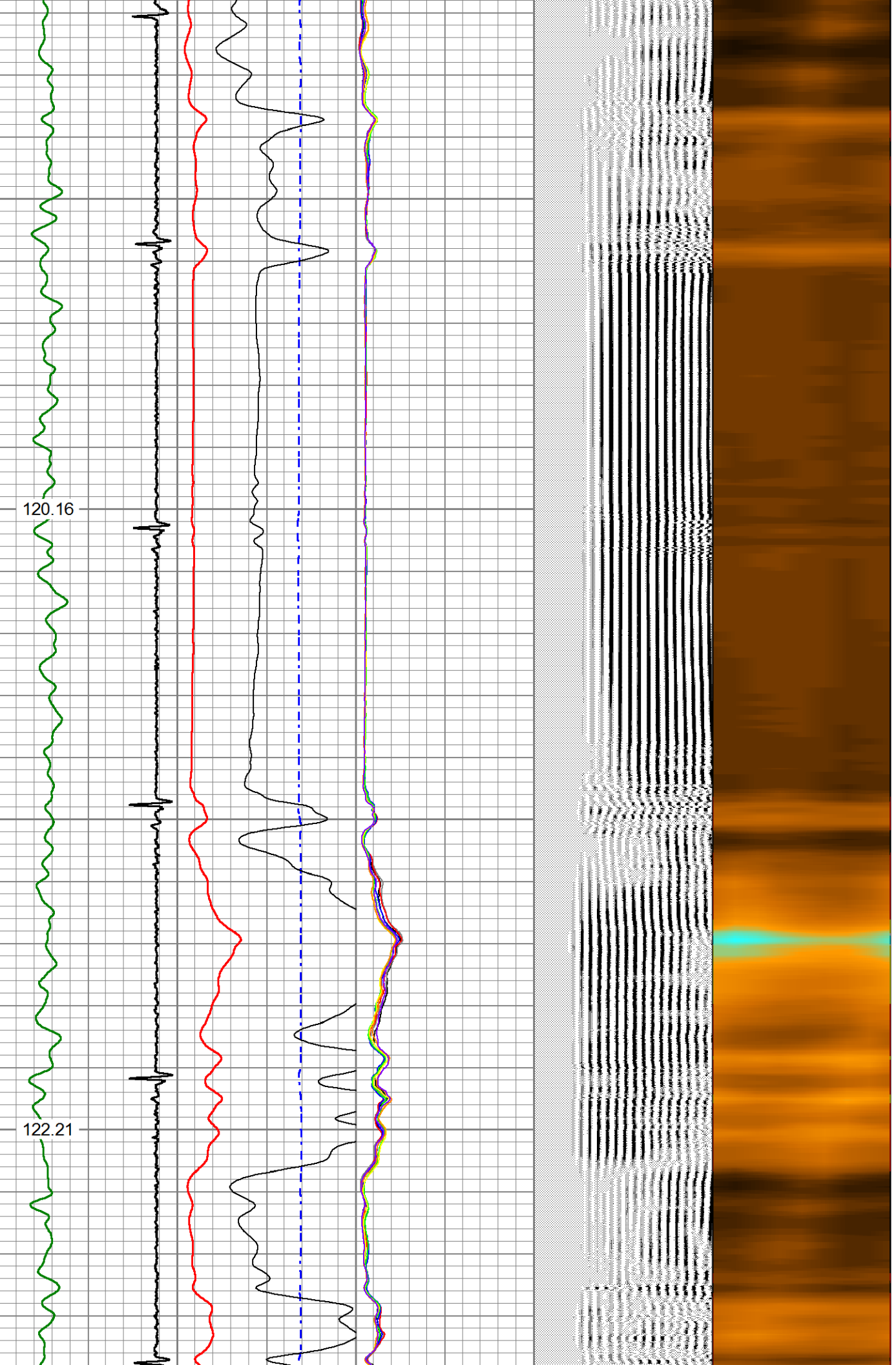
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2950

3000

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122.21



3050

3100

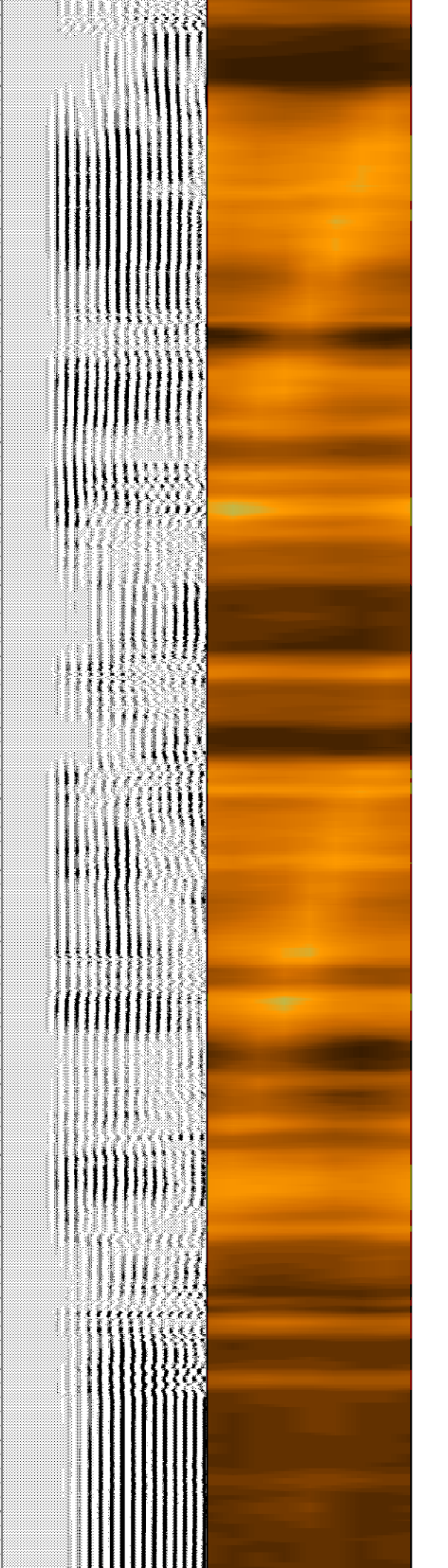
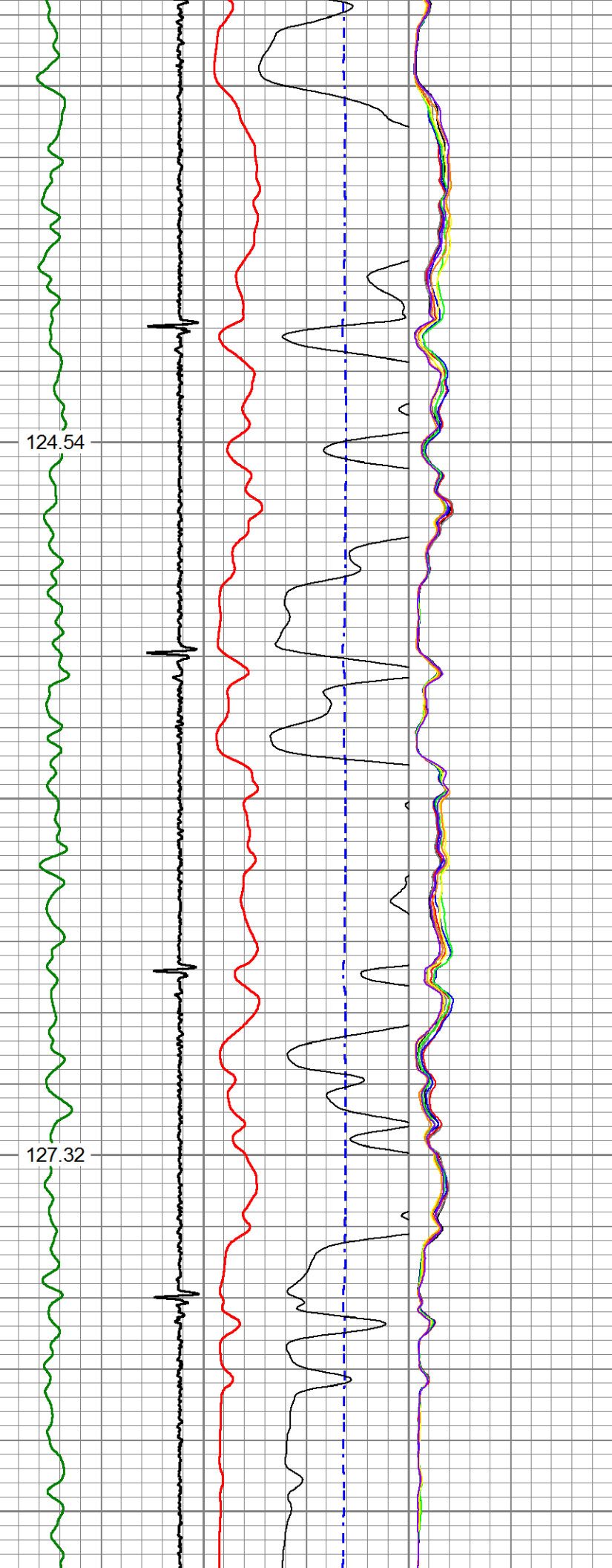
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3200

3250

124.54

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3300

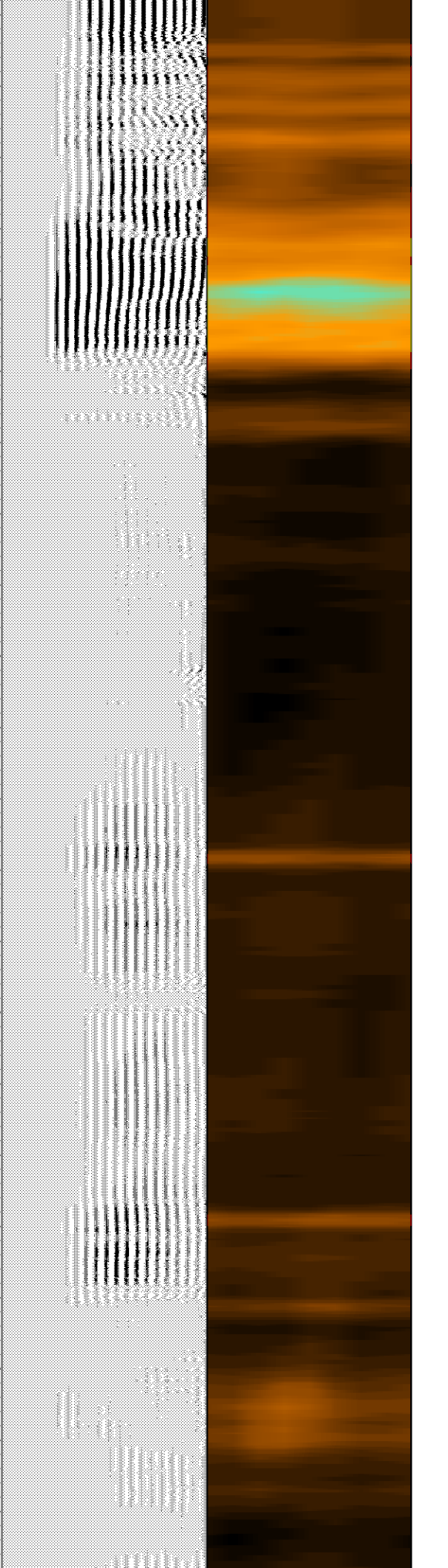
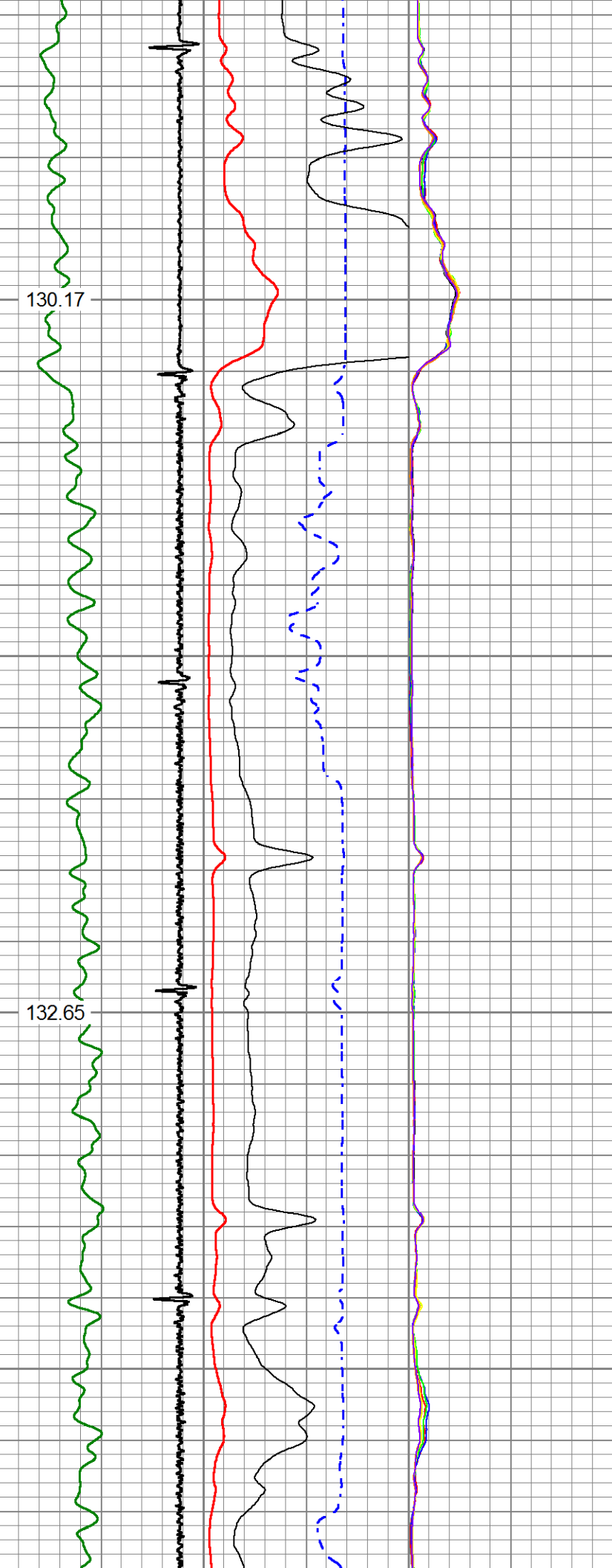
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3350

3400

132.65

3450



3500

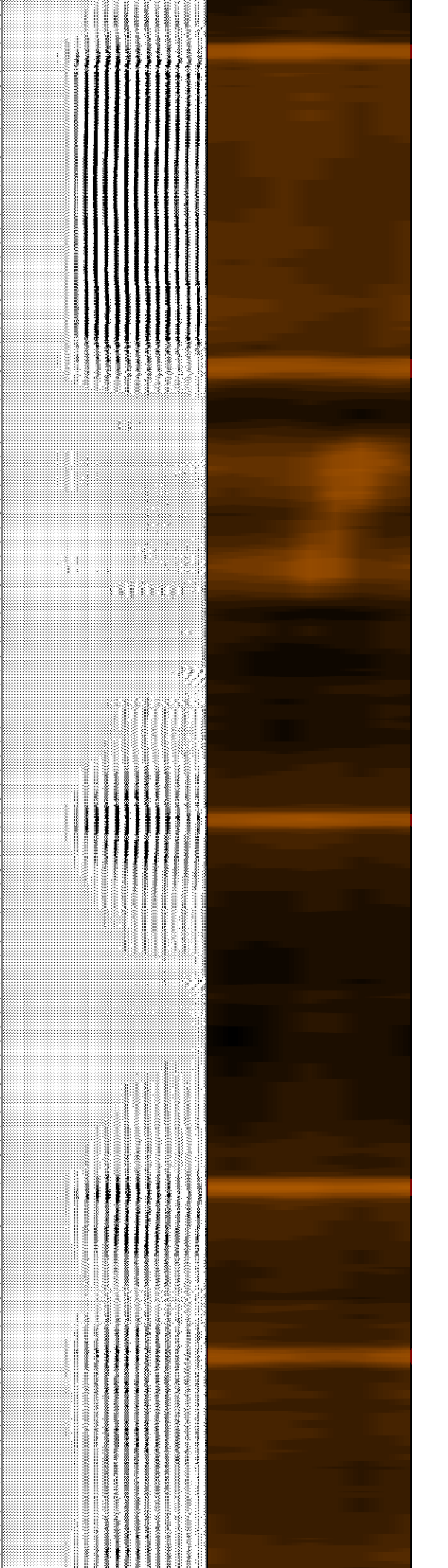
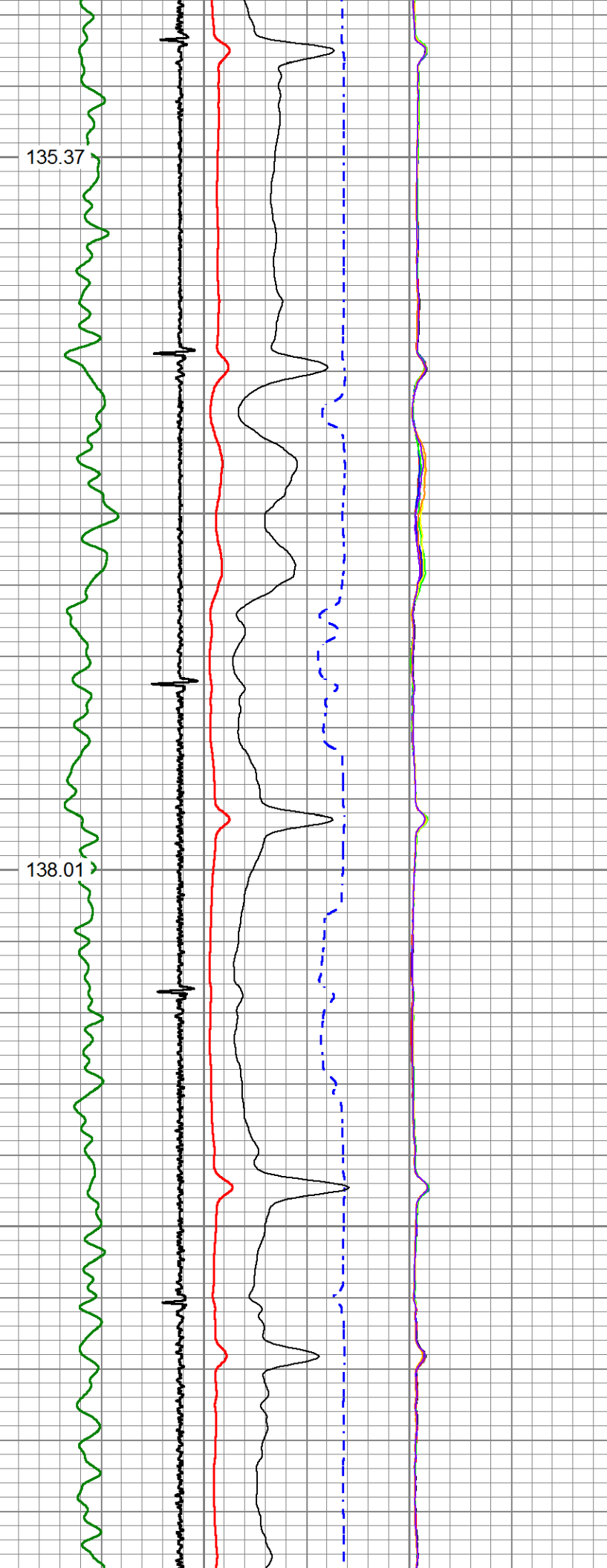
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3600

138.01

3650



3700

140.92

3750

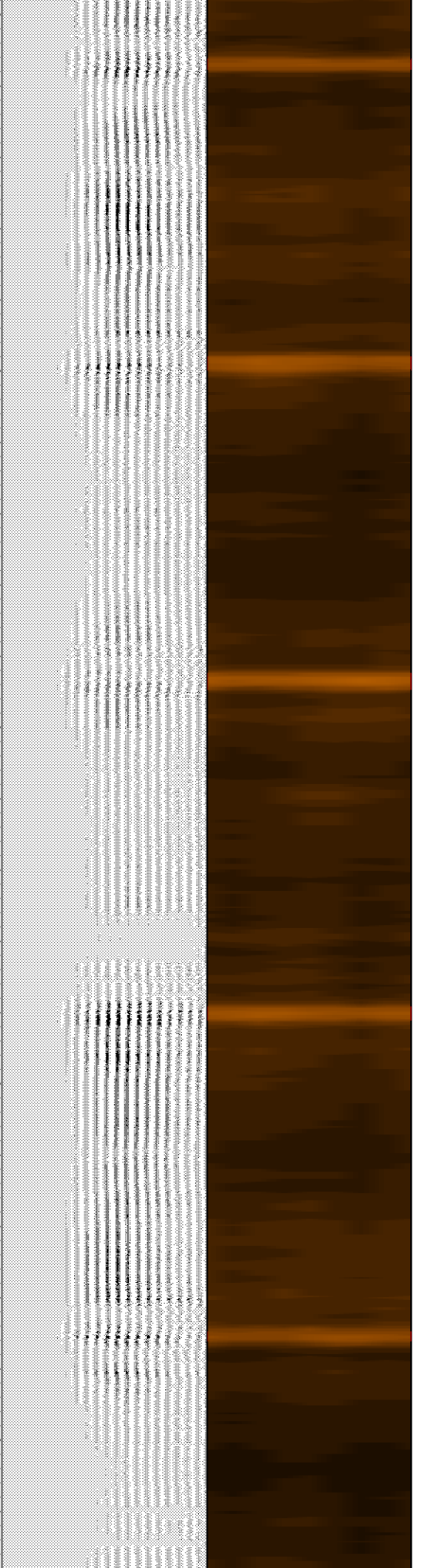
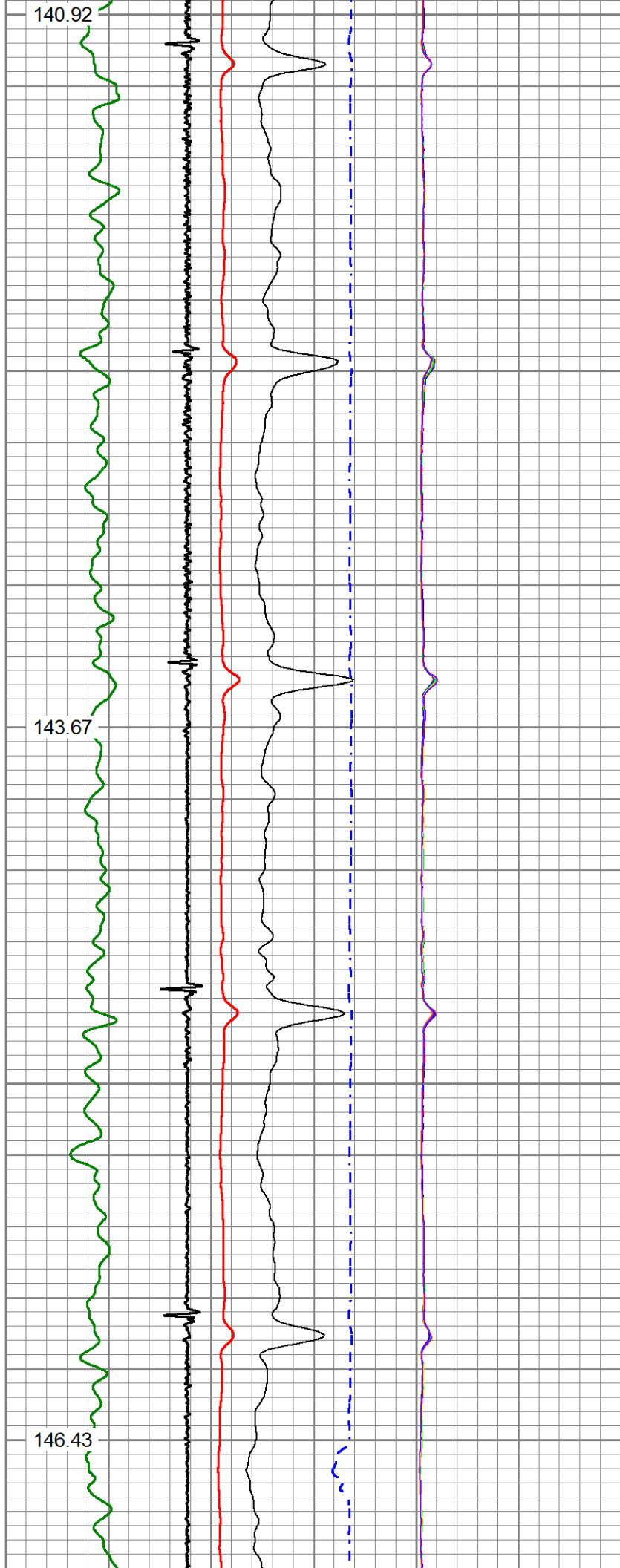
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3850

3900

146.43



4150

4200

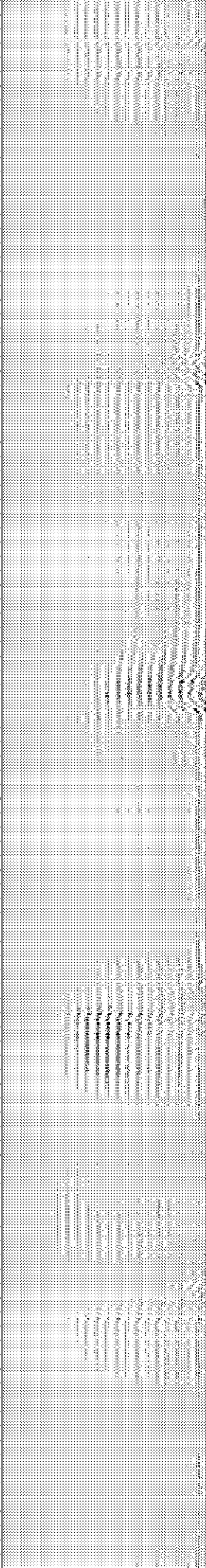
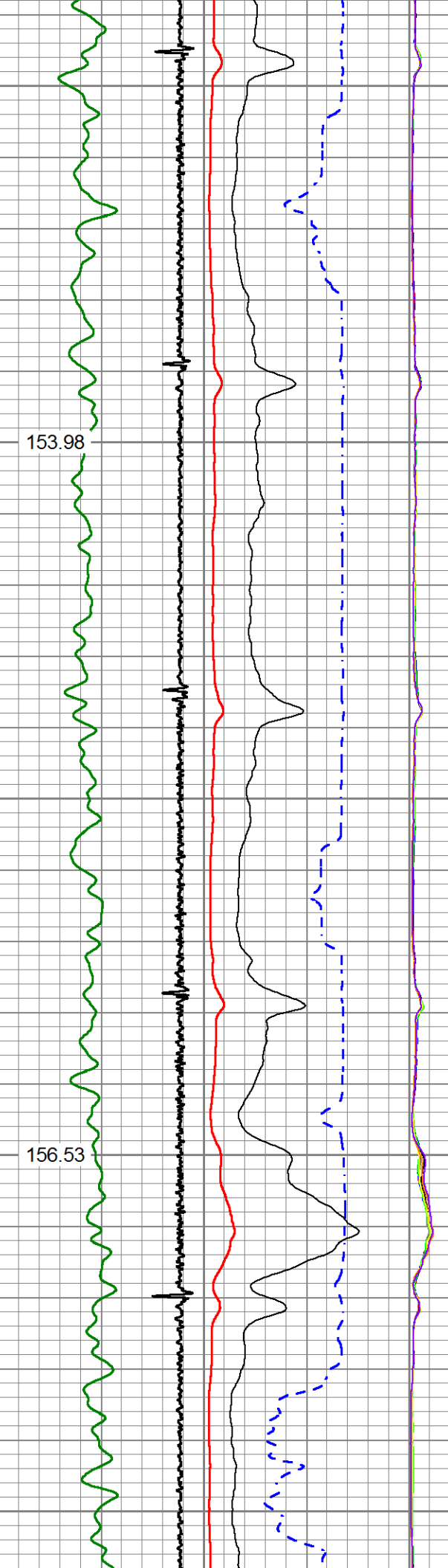
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4350

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4400

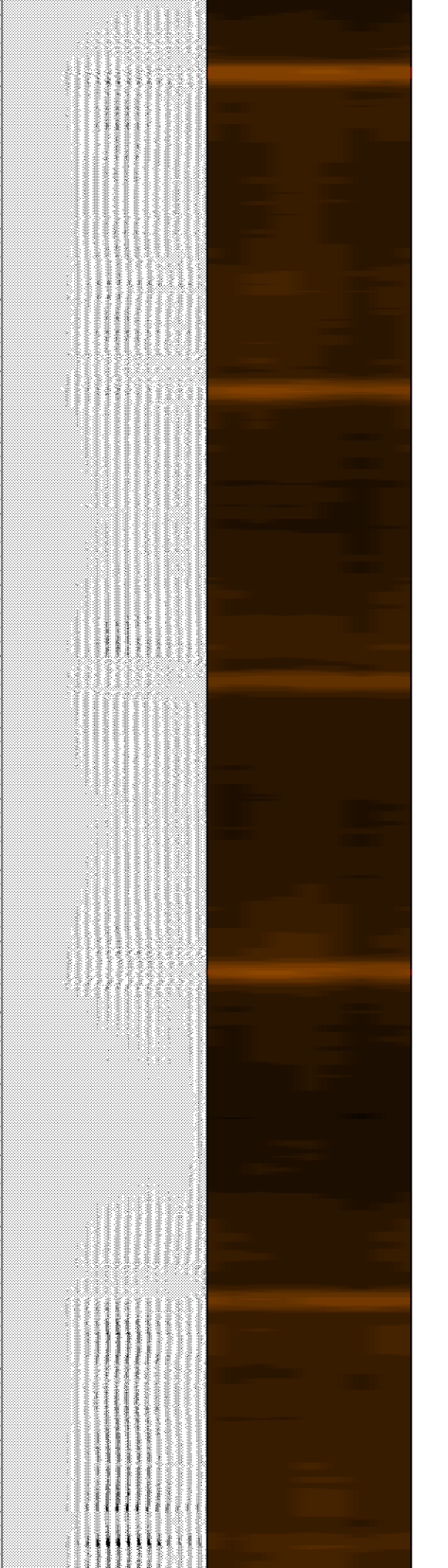
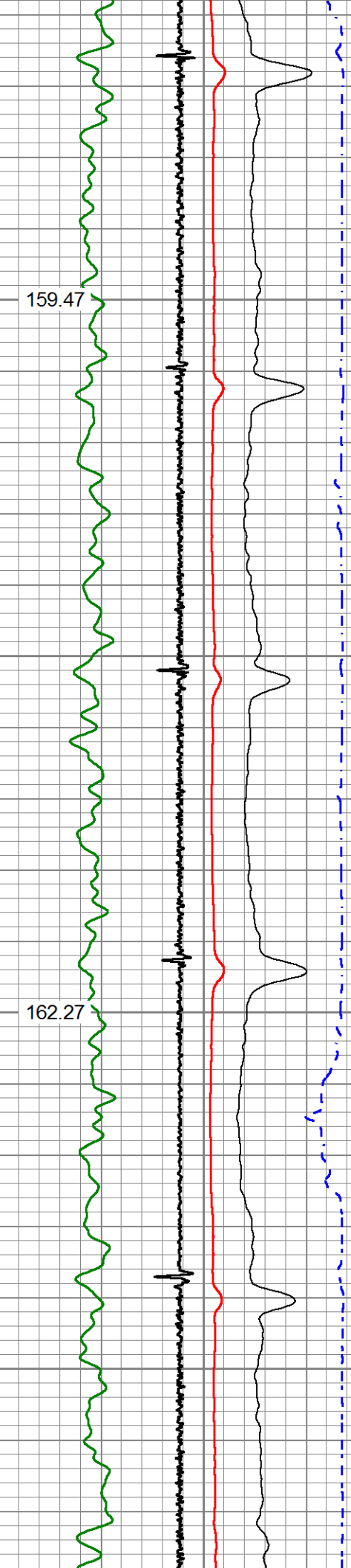
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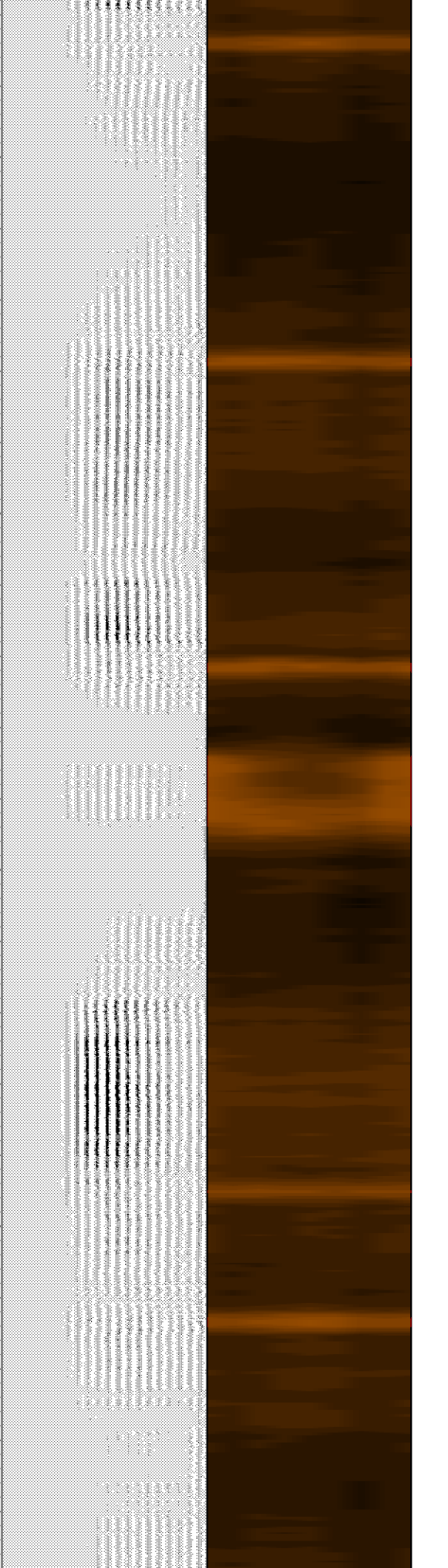
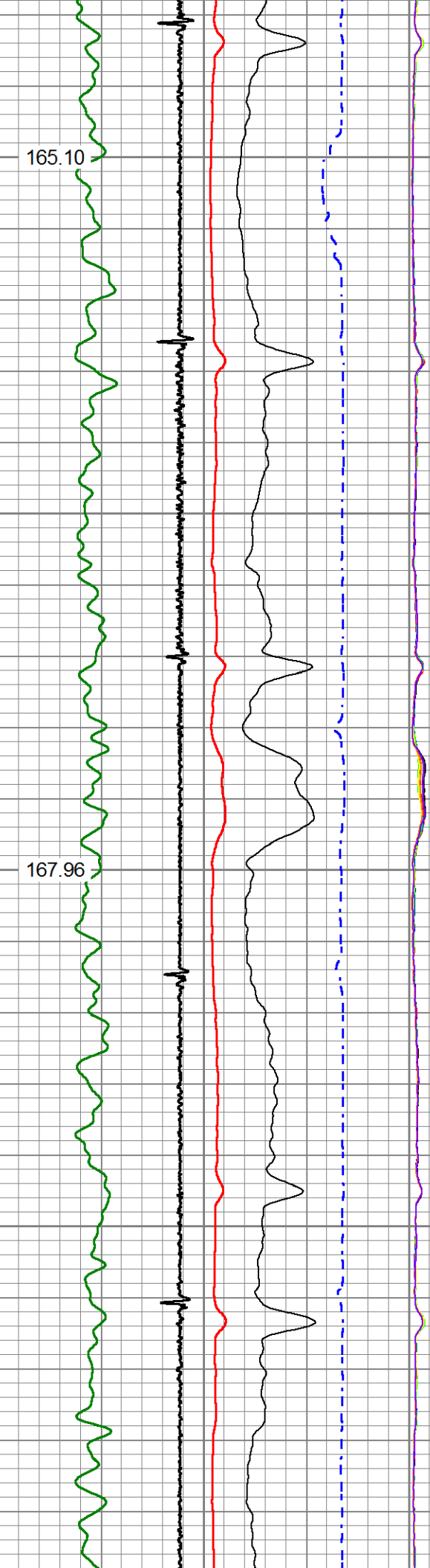
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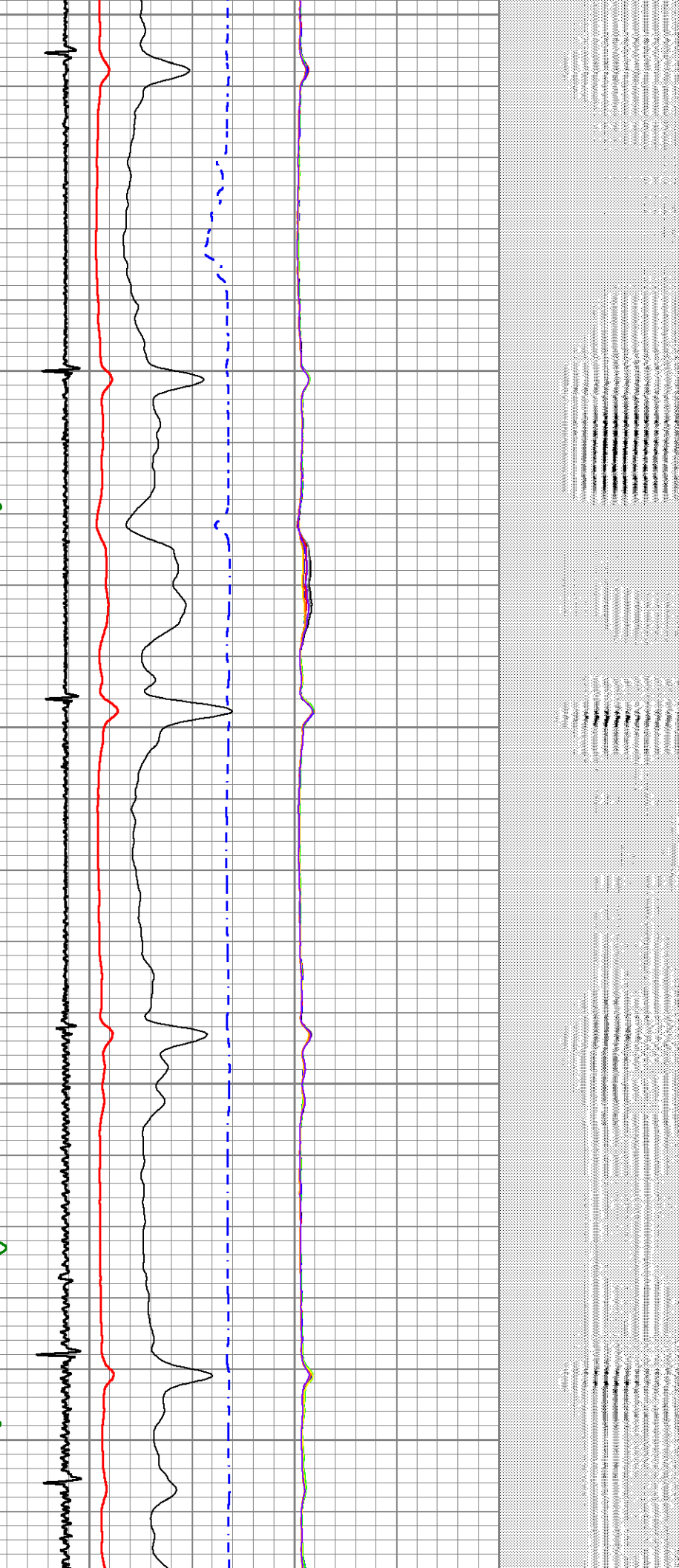
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4950
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170.87
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5050

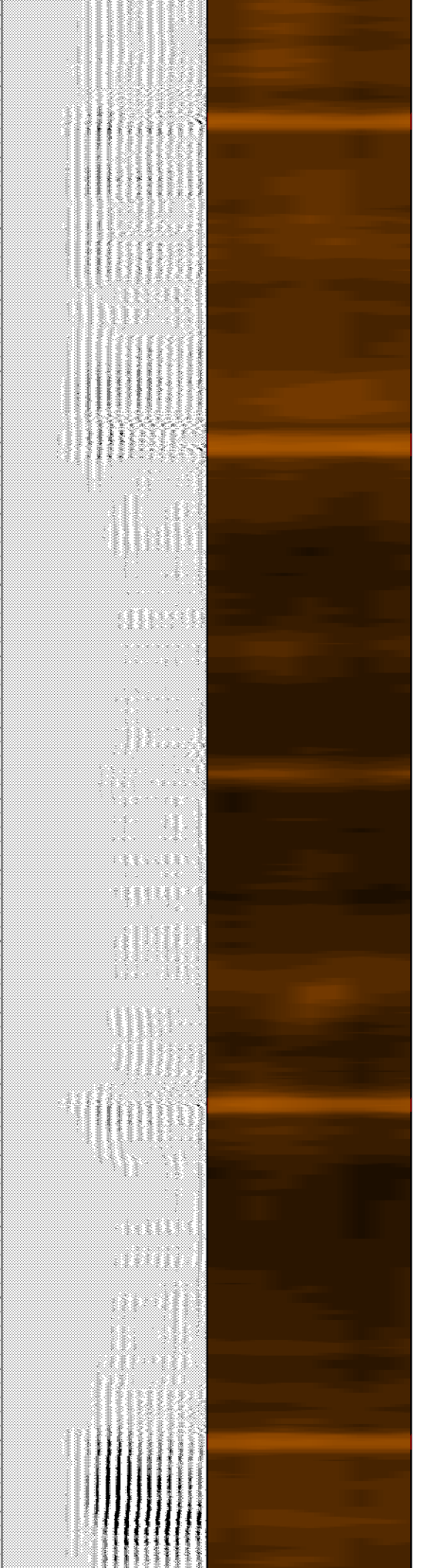
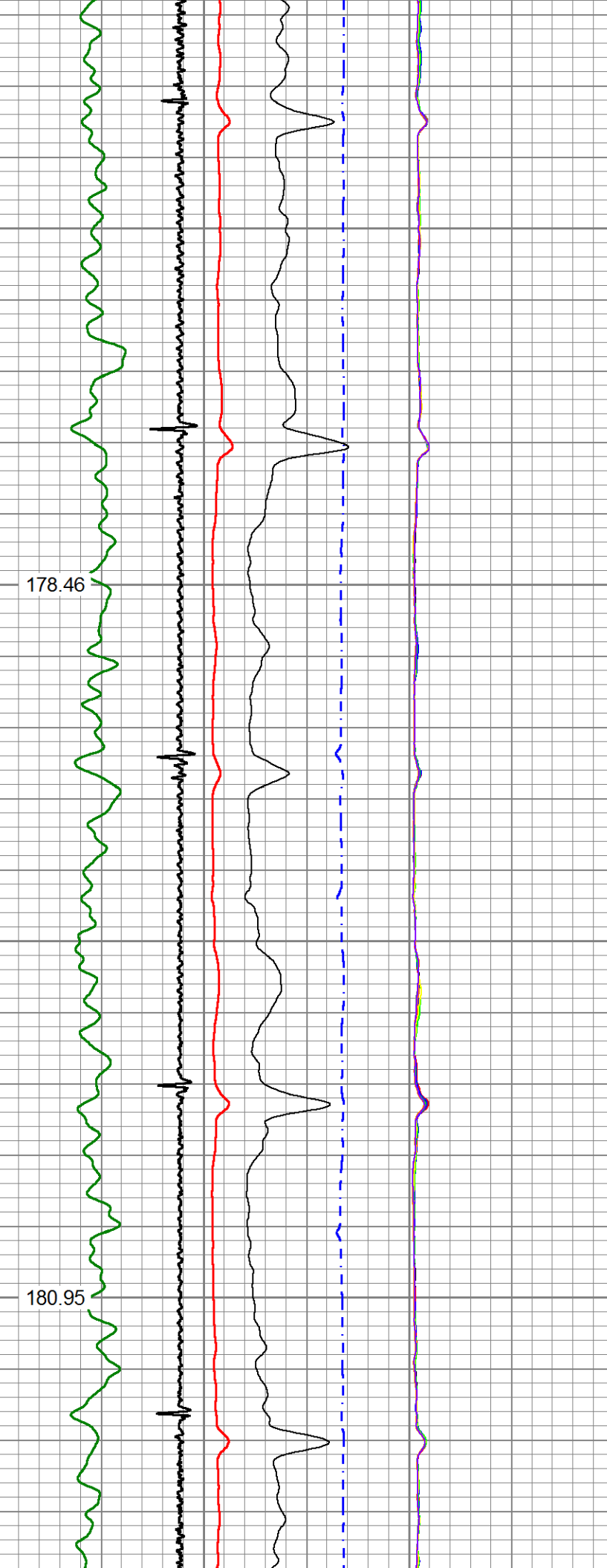
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5150

5200

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5250

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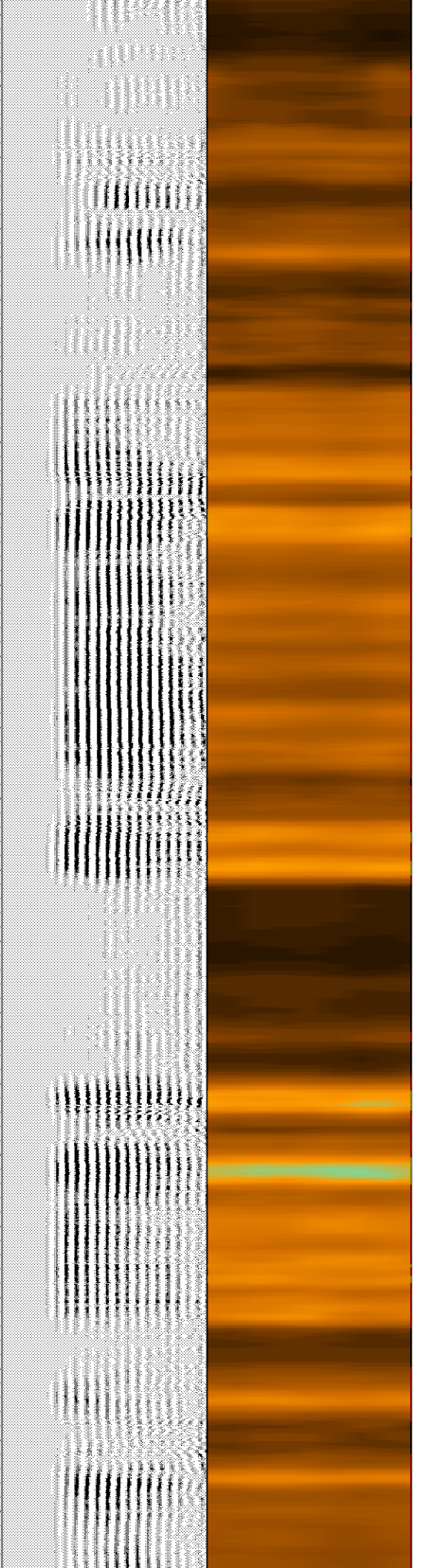
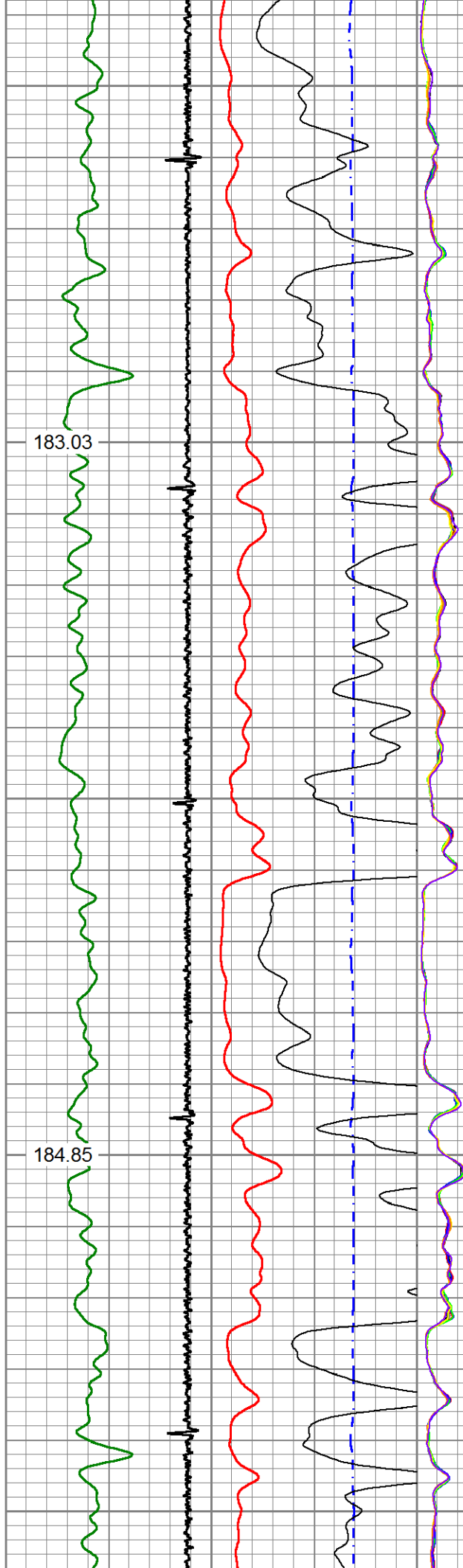
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5500

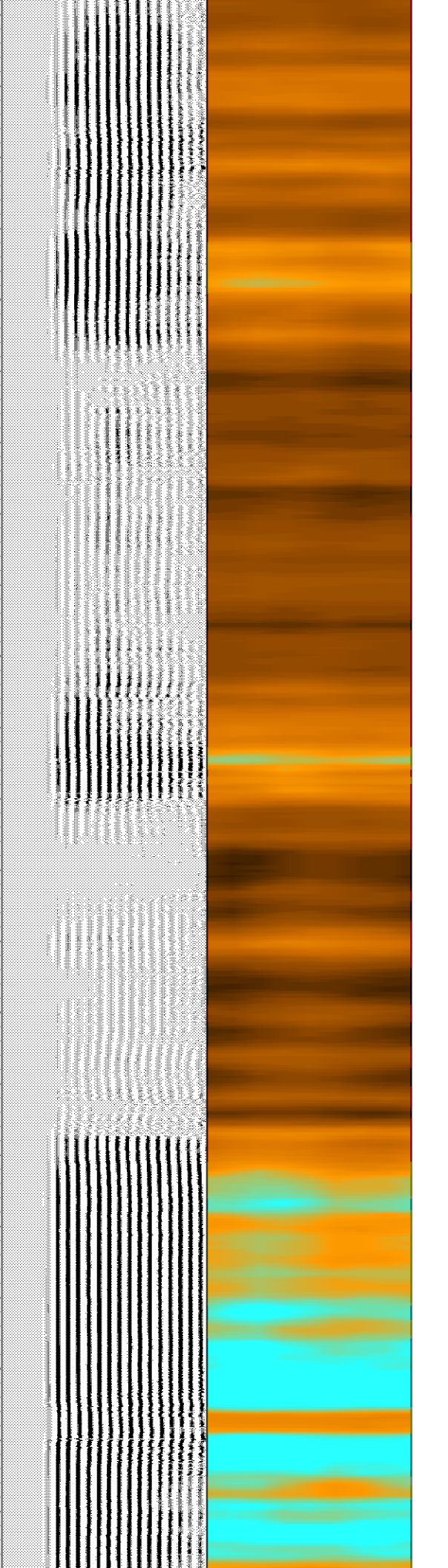
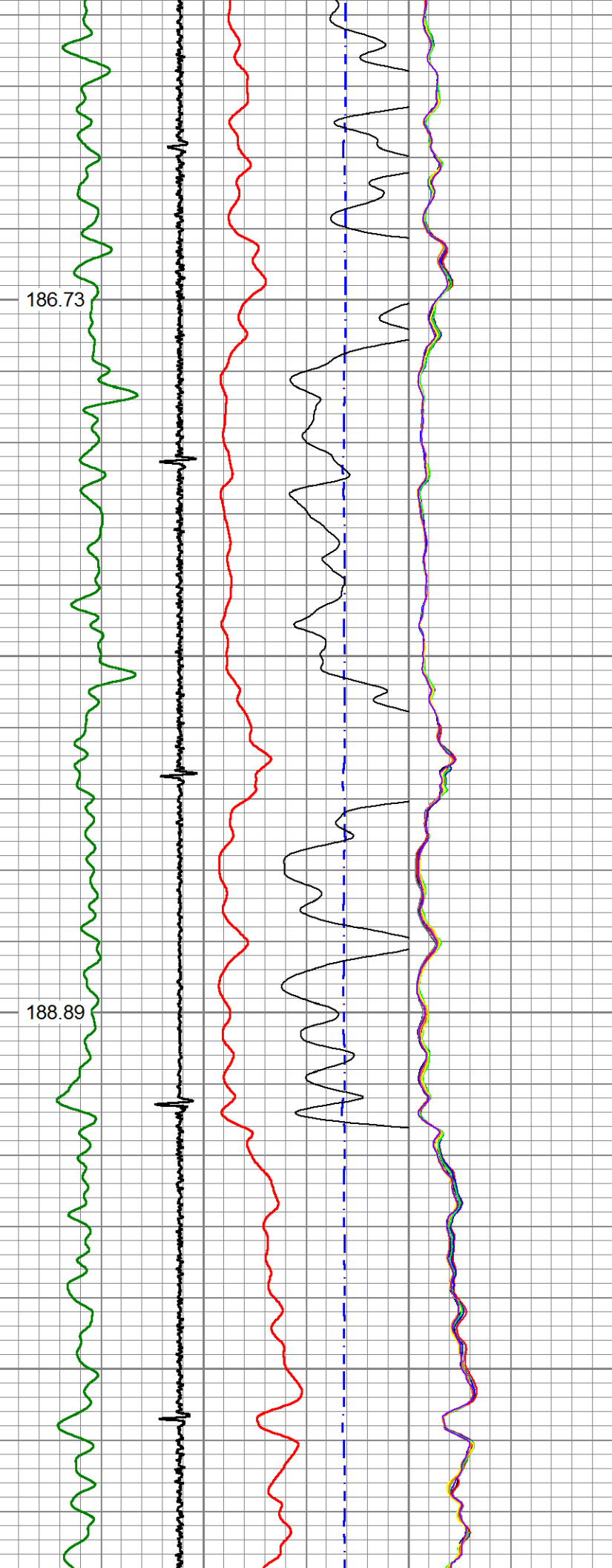
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5700

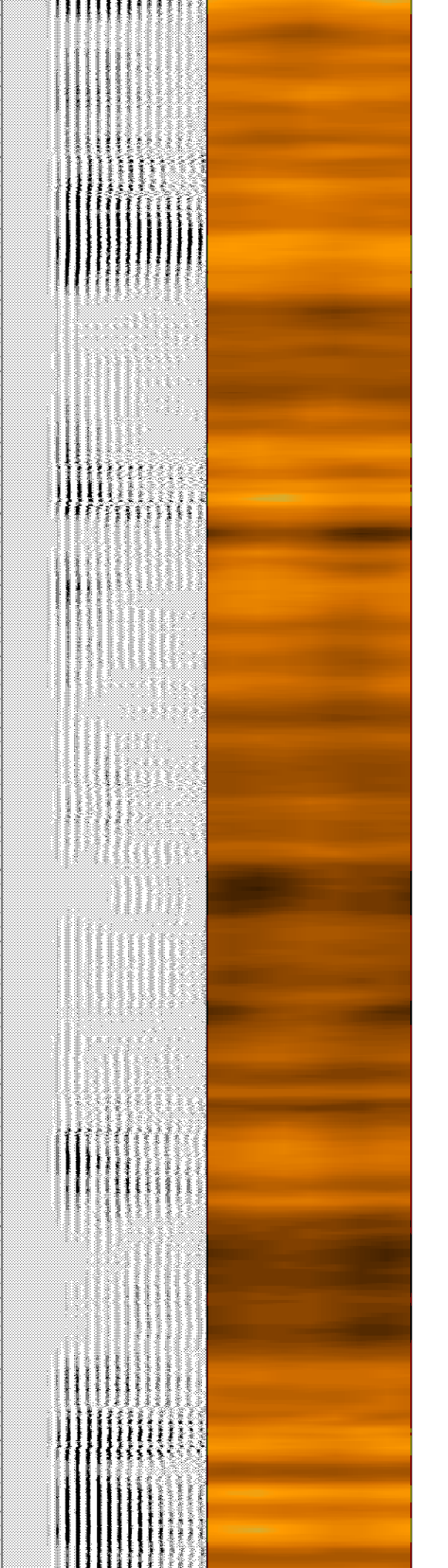
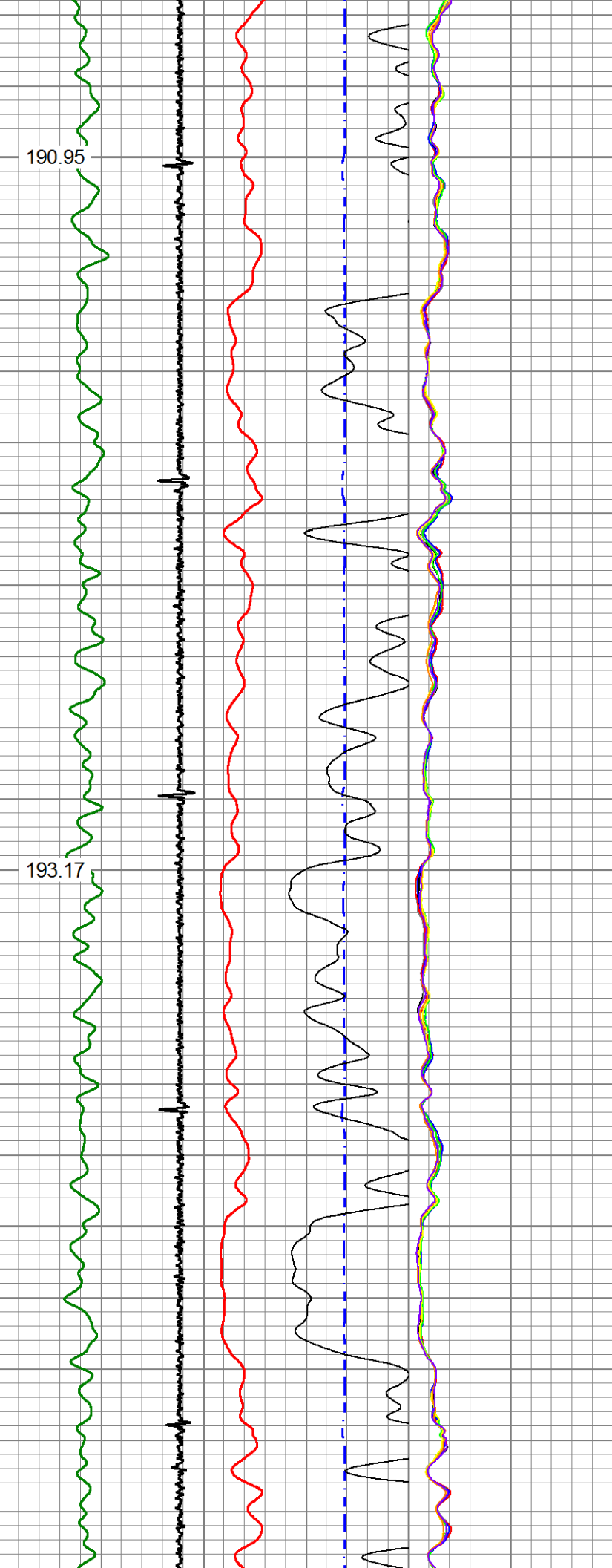
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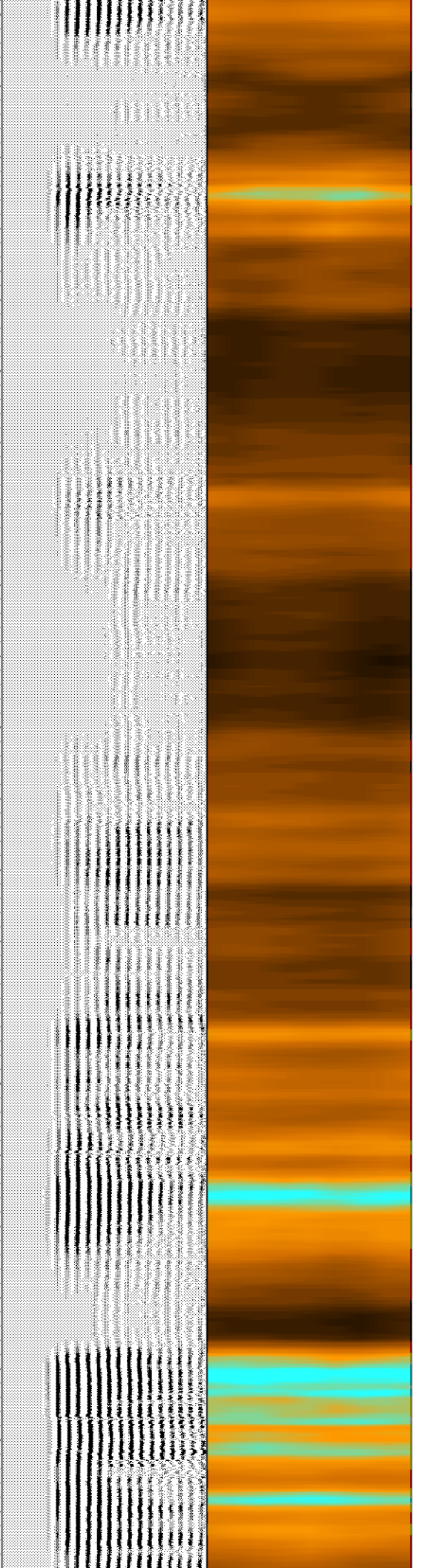
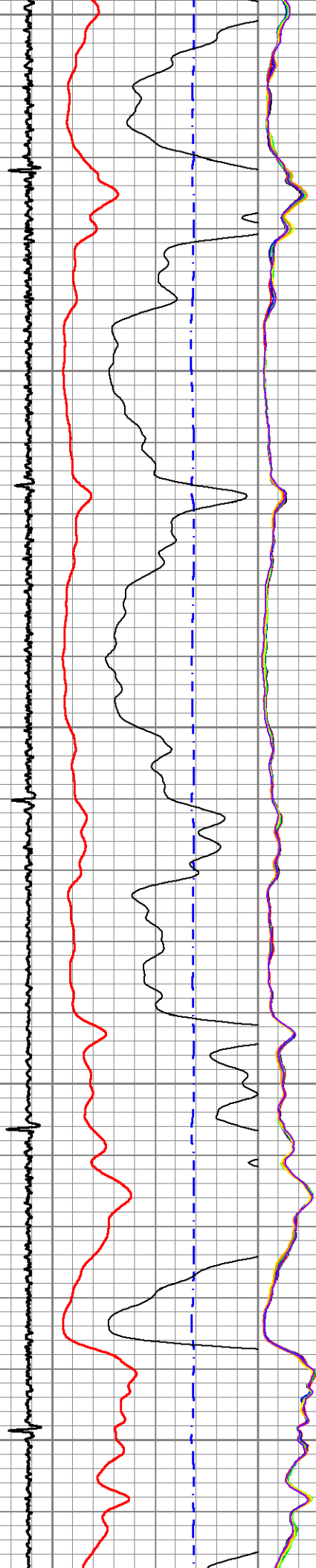
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6050
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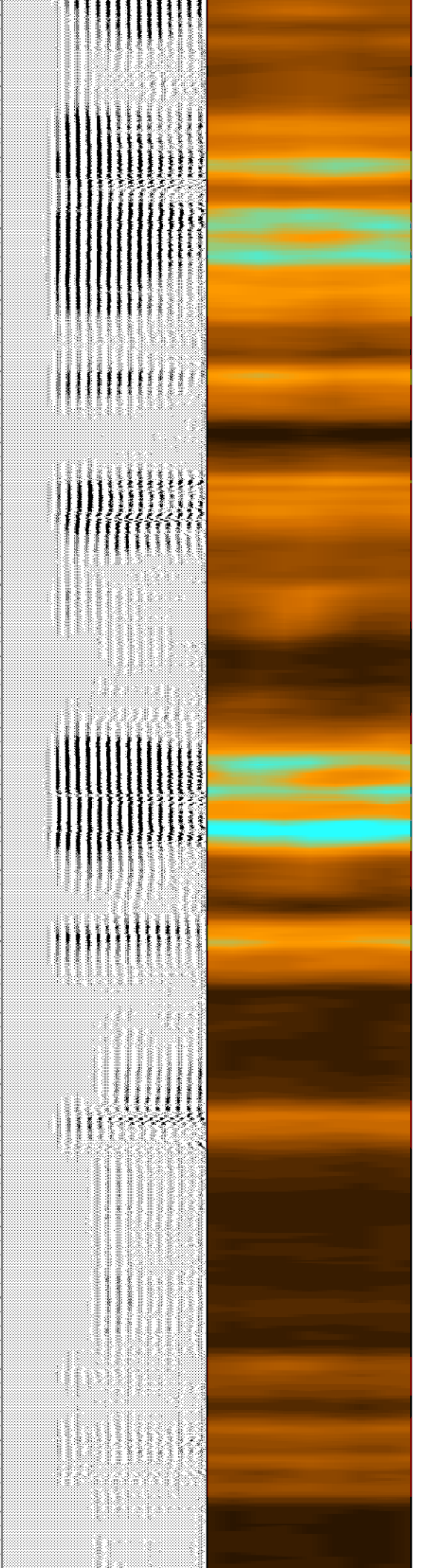
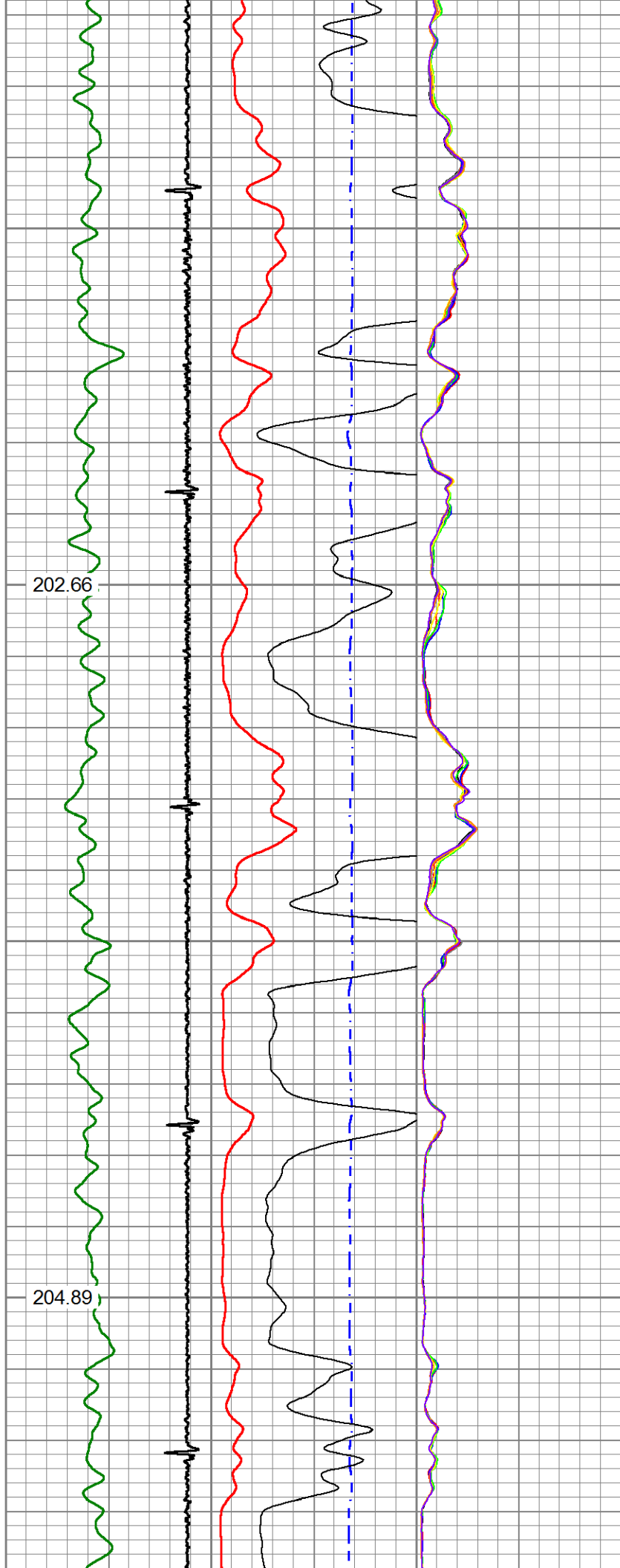
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6350

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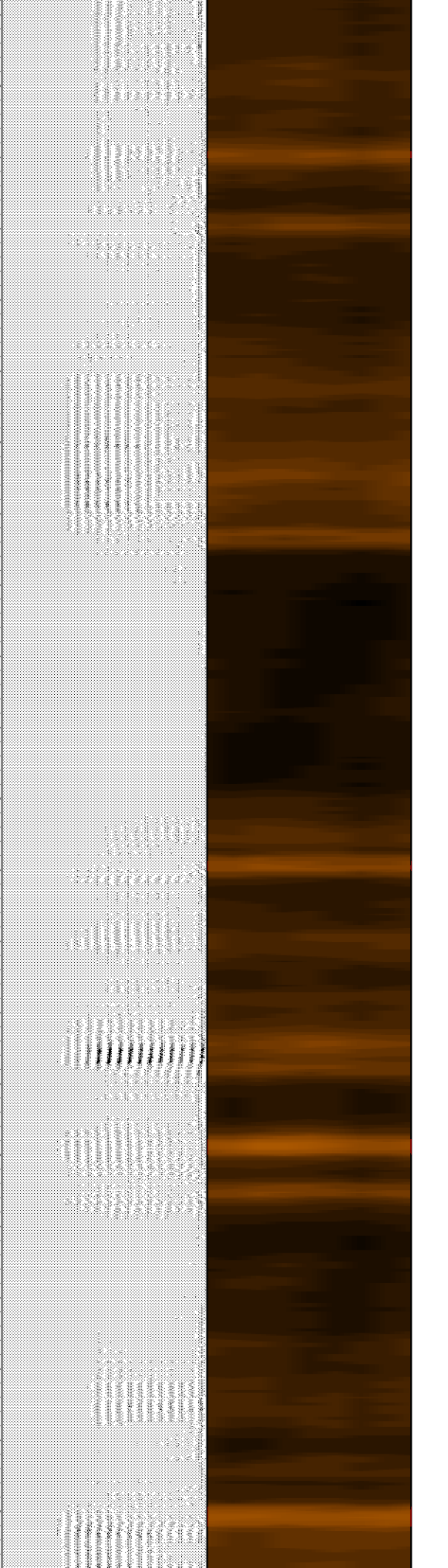
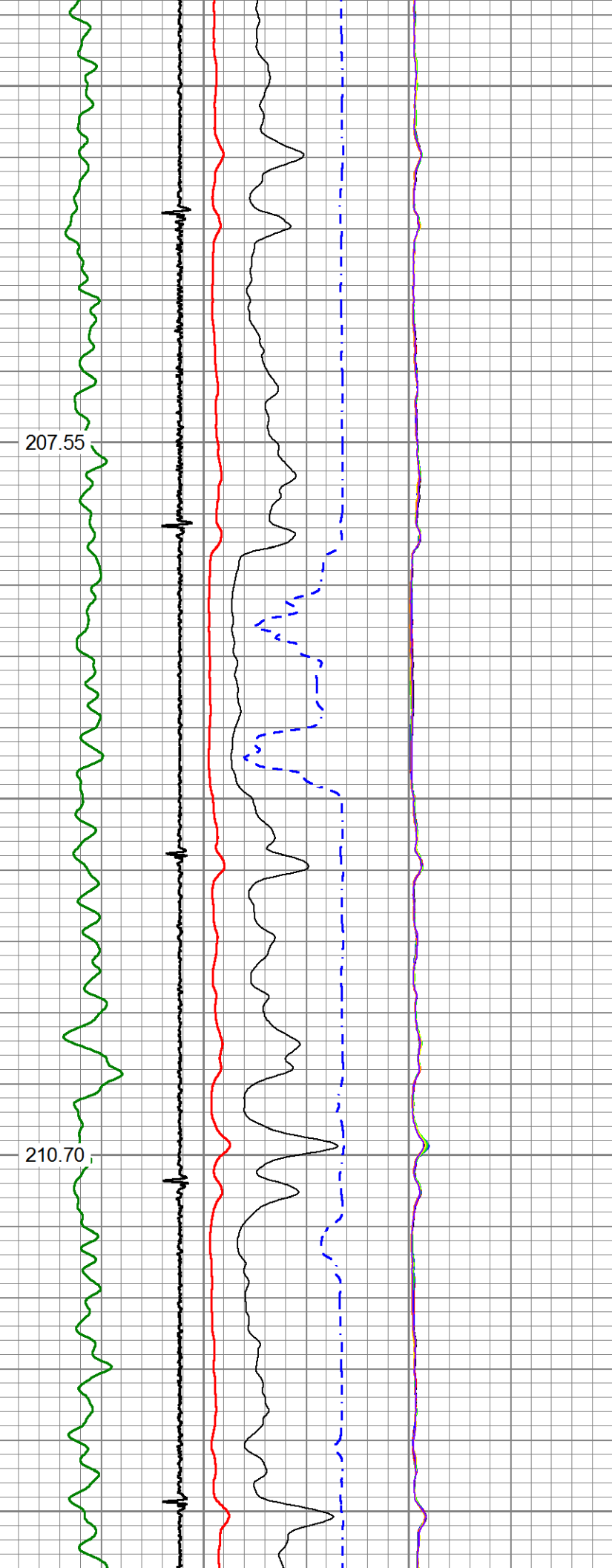
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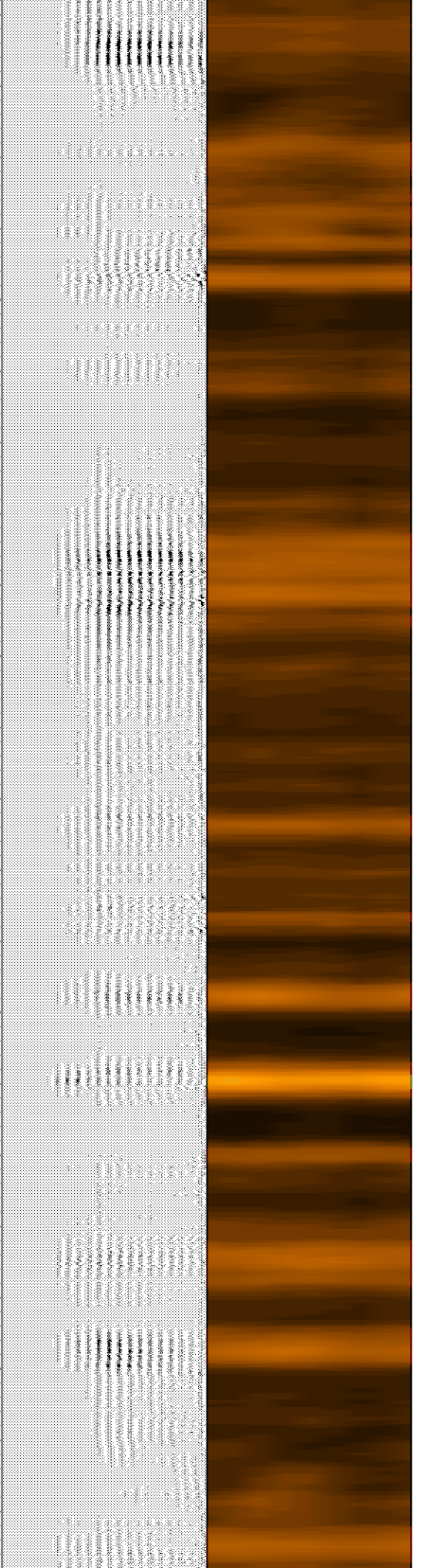
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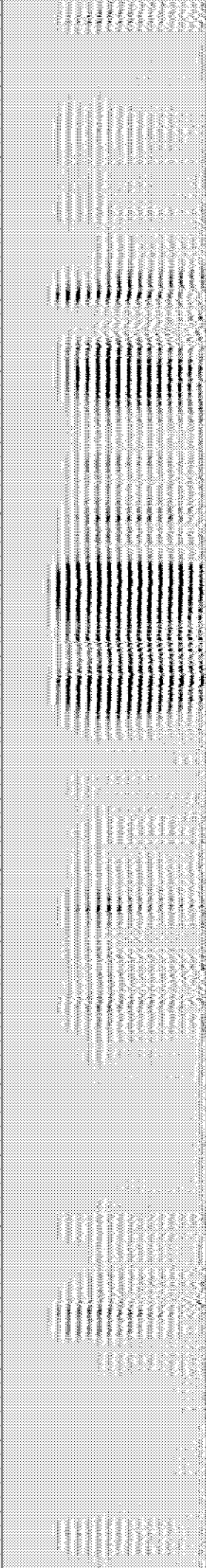
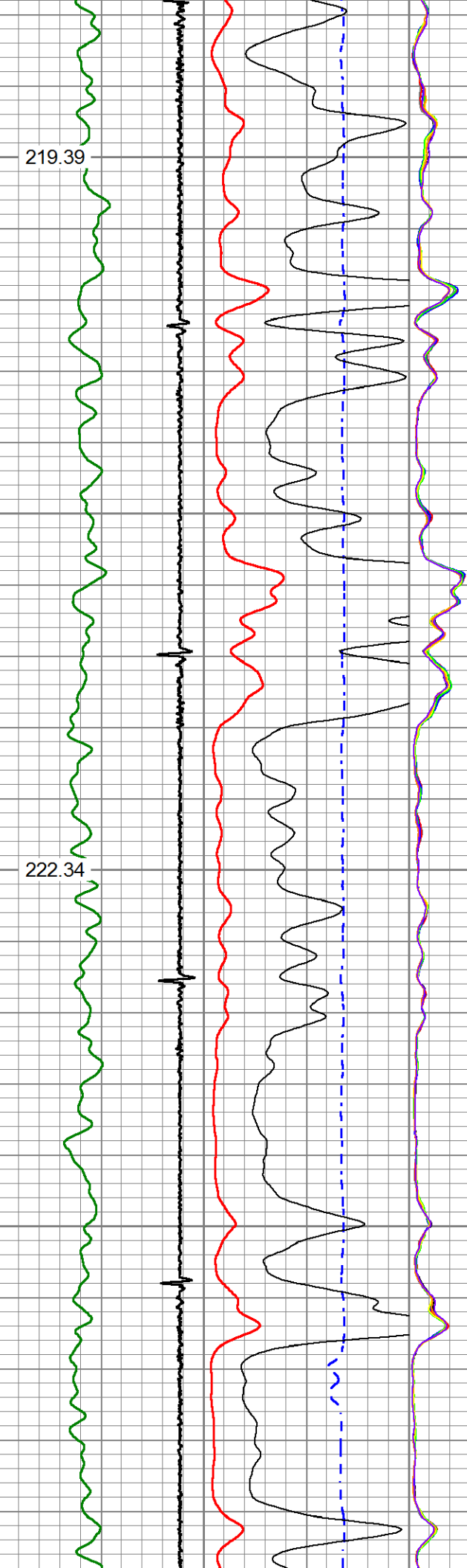
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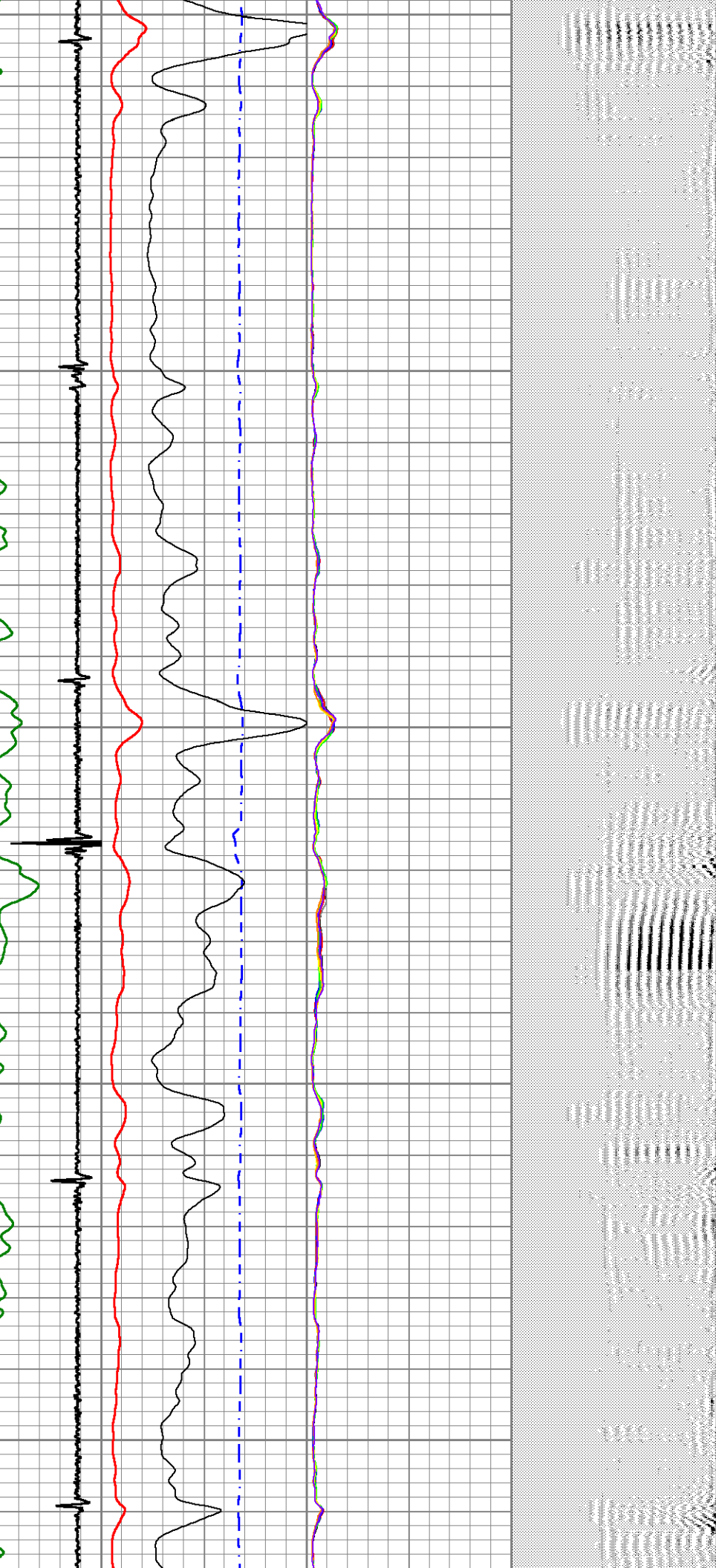
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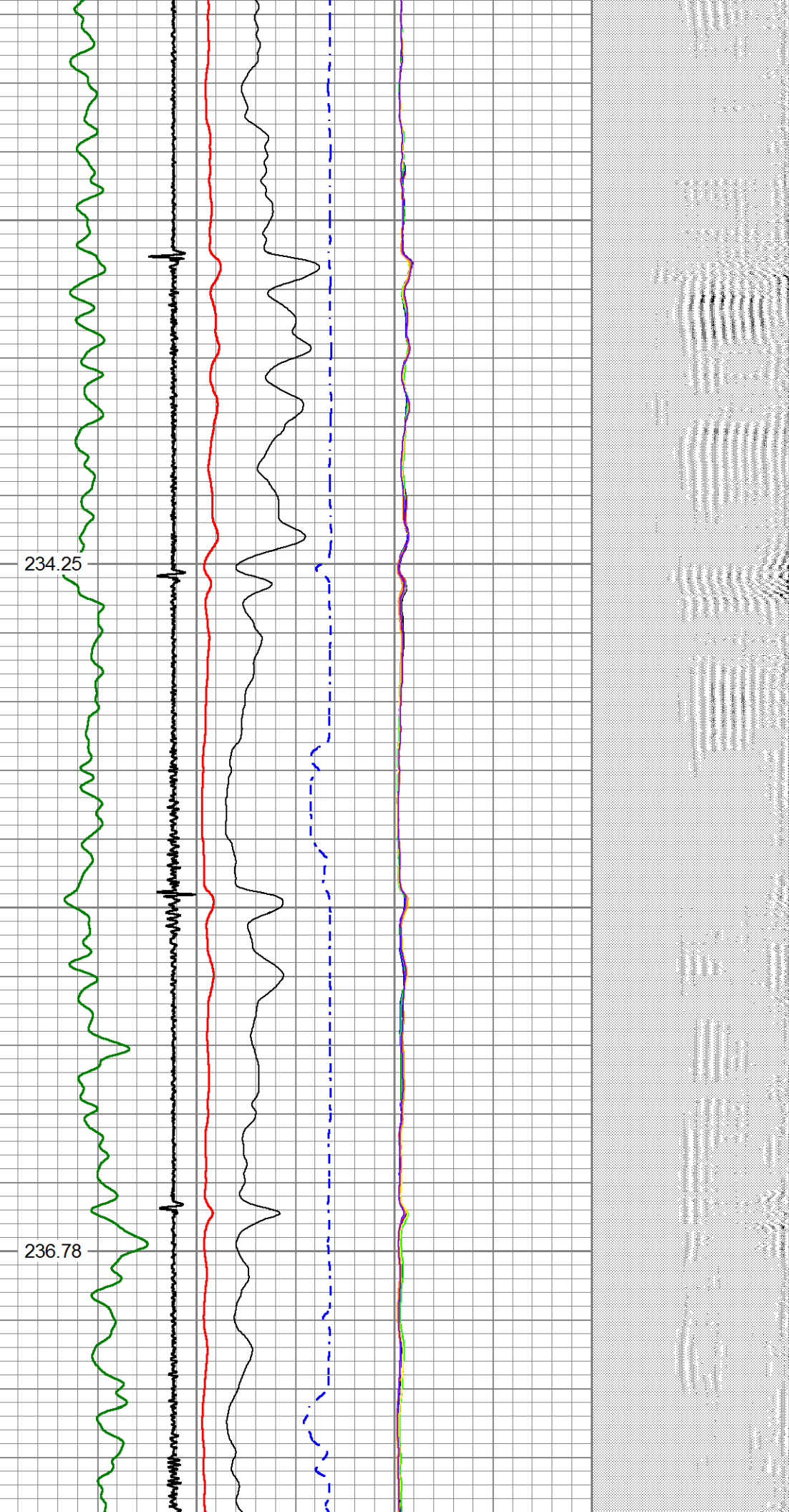
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7450

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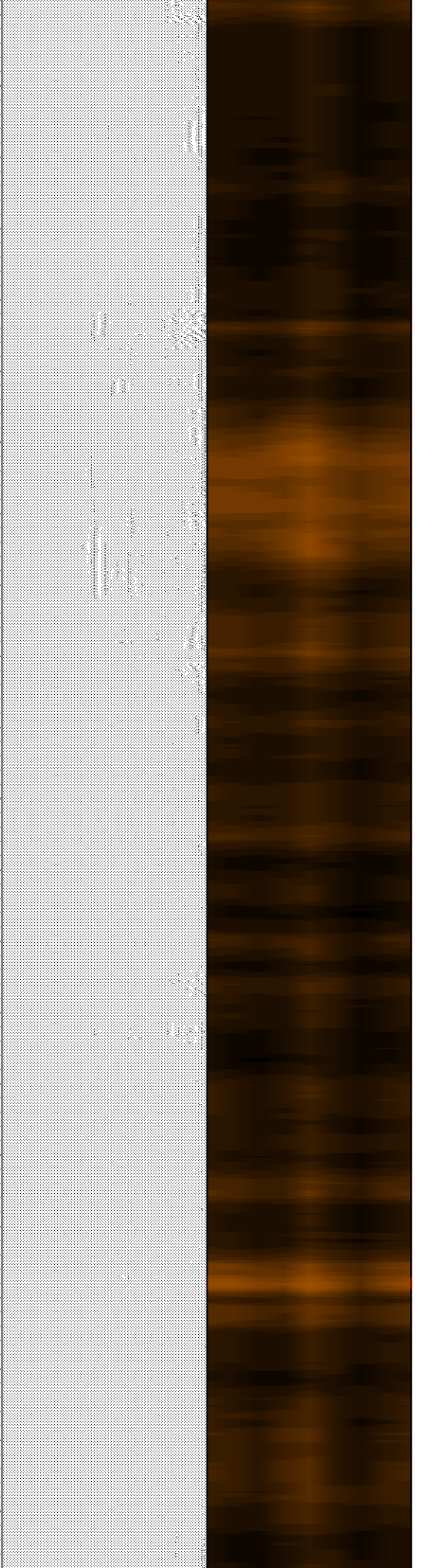
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7700

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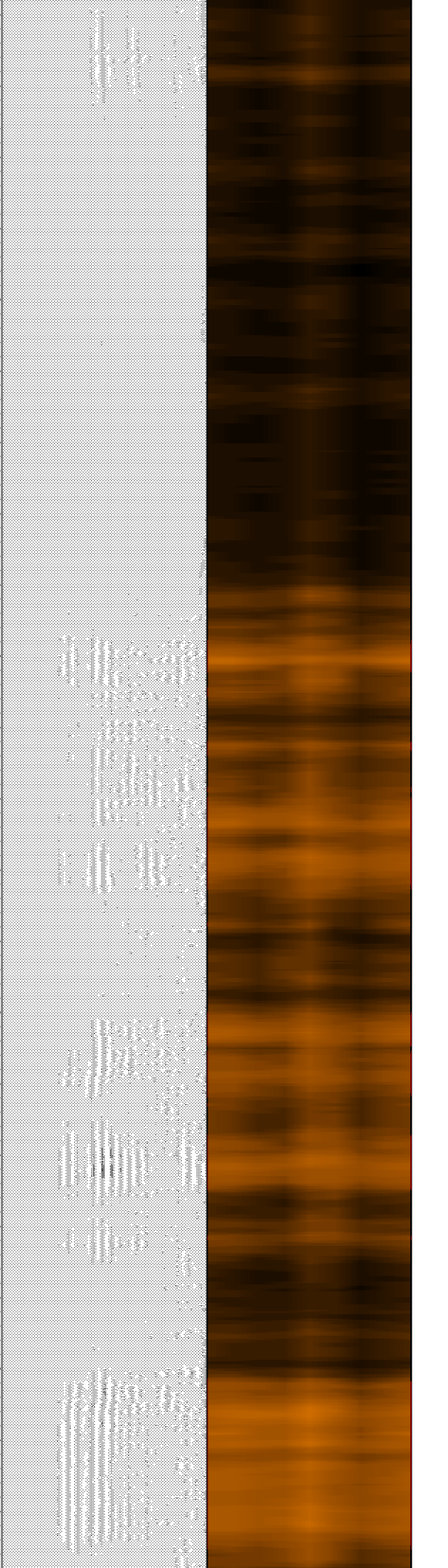
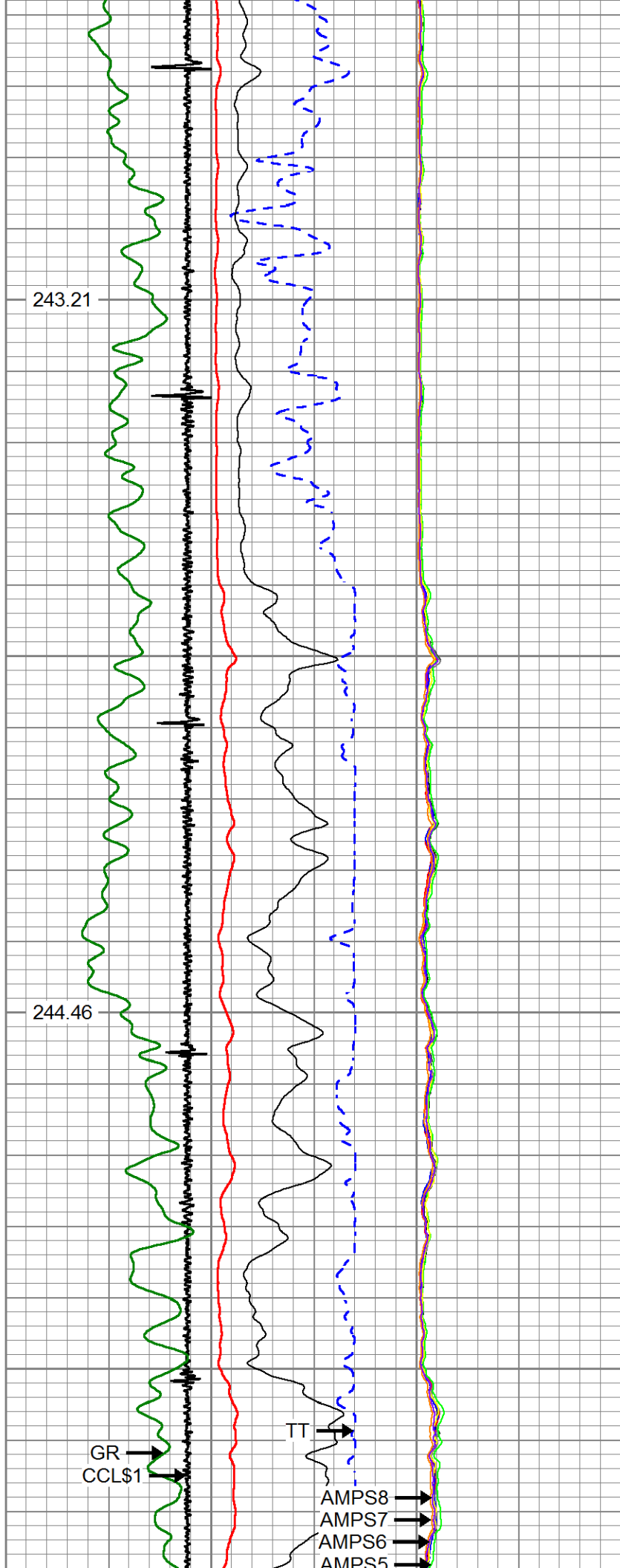
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7850

GR
CCL\$1

TT

AMPS8
AMPS7
AMPS6
AMPS5



7900

245.44

TOOL PICKUP

LOGGER'S TD@ 7932

AMPS4
AMPS3
AMPS2
AMPS1

AMPx5

AMP

7950

5	CCL\$1	-0.625	0	AMP (mV)	100	0	AMPS1	150	200	VDL (usec)	1200	1	RADIAL MAP	8
0	GR (GAPI)	150	650	TT (usec)	150	0	AMPS2	150						
GCT_TEMP			0	AMPx5 (mV)	20	0	AMPS3	150						
(degF)						0	AMPS4	150						
						0	AMPS5	150						
						0	AMPS6	150						
						0	AMPS7	150						
						0	AMPS8	150						

Database File cbl civitas grimm motorcross 4-65 24 2a3auh.db
 Dataset Pathname pass2
 Presentation Format civitas
 Dataset Creation Fri Aug 23 14:04:23 2024
 Charted by Depth in Feet scaled 1:240

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0	GR (GAPI)	150	650	TT (usec)	150	0	AMPS2	150						
GCT_TEMP			0	AMPx5 (mV)	20	0	AMPS3	150						
(degF)						0	AMPS4	150						
						0	AMPS5	150						
						0	AMPS6	150						
						0	AMPS7	150						
						0	AMPS8	150						

7650

7700

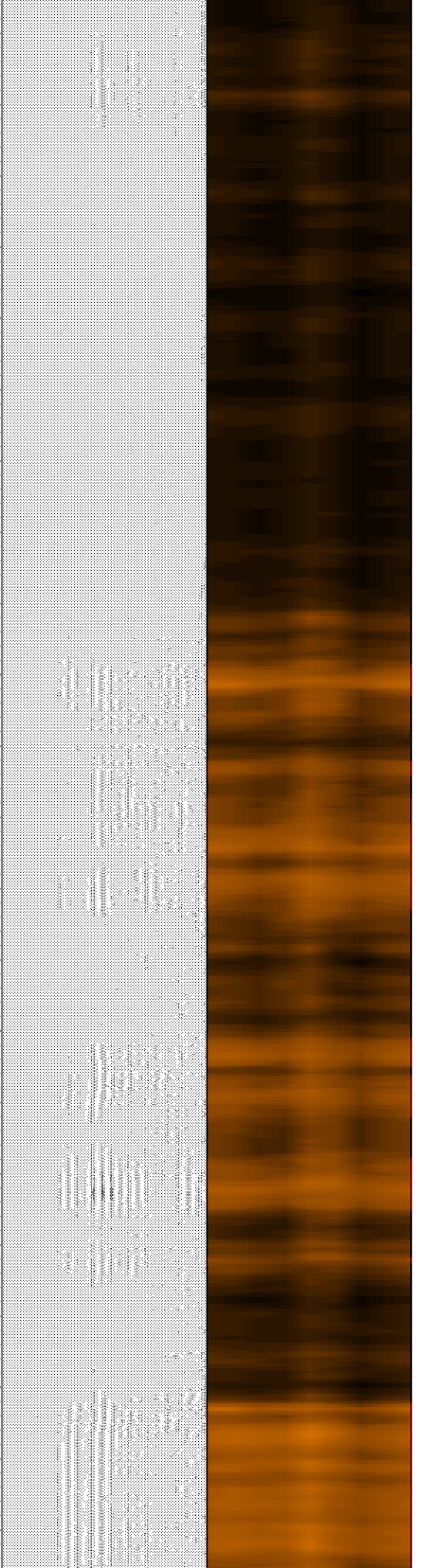
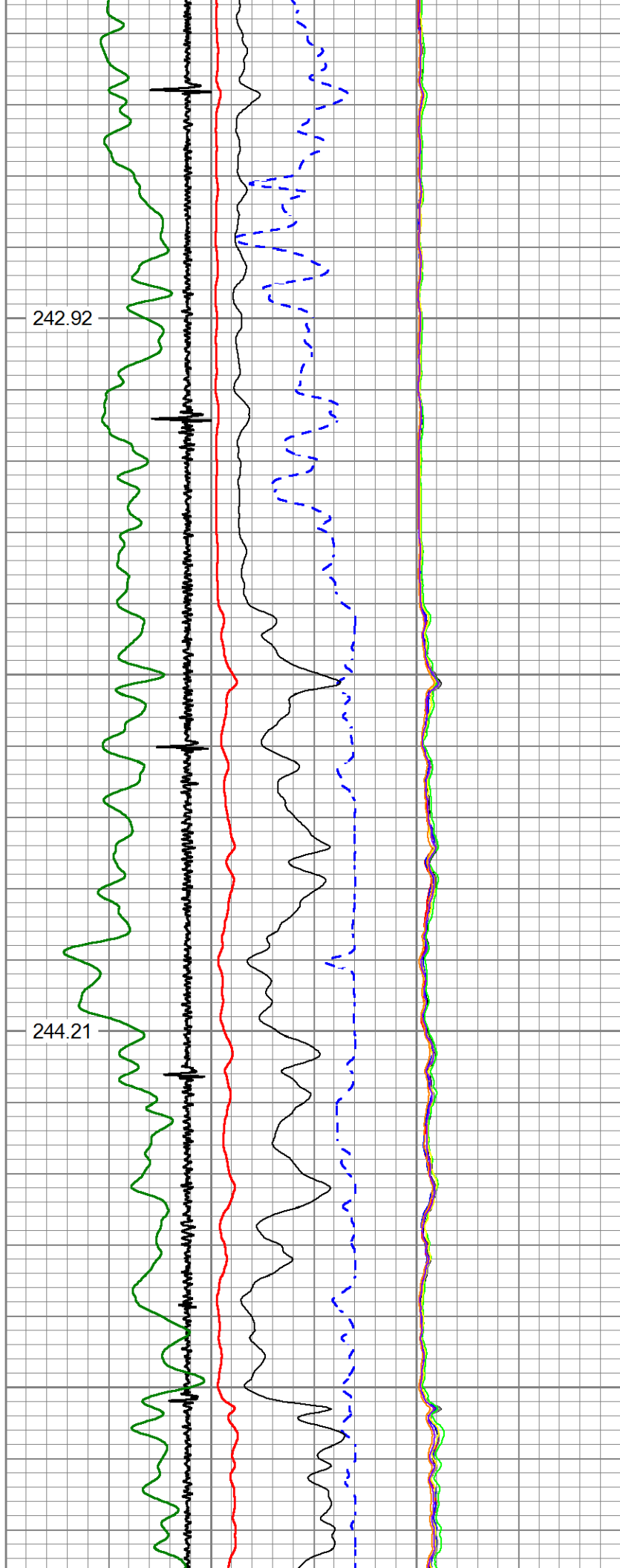
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7750

7800

244.21

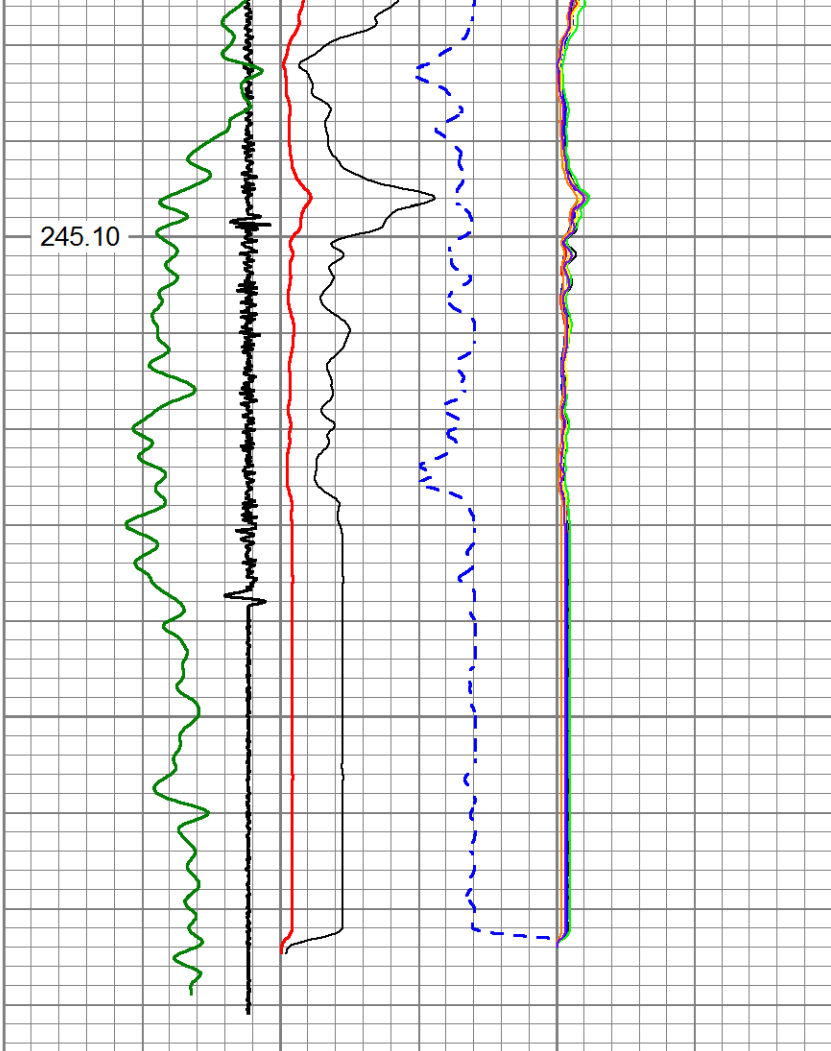
7850



7900

245.10

7950



5	CCL\$1	-0.625	0	AMP (mV)	100	0	AMPS1	150	200	VDL (usec)	1200	1	RADIAL MAP	8
0	GR (GAPI)	150	650	TT (usec)	150	0	AMPS2	150						
	GCT_TEMP		0	AMPx5 (mV)	20	0	AMPS3	150						
	(degF)					0	AMPS4	150						
						0	AMPS5	150						
						0	AMPS6	150						
						0	AMPS7	150						
						0	AMPS8	150						

Calibration Report

Database File cbl civitas grimm motorcross 4-65 24 2a3auh.db
 Dataset Pathname pass4
 Dataset Creation Fri Aug 23 14:09:11 2024

Gamma Ray Calibration Report

Serial Number: FW1905-098
 Tool Model: GCT275-0000
 Performed: Fri Aug 25 09:31:17 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.6000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:
Tool Model:

FW1905-052
Probe

Calibration Casing Diameter:
Calibration Depth:

5.500 in
141.892 ft

Master Calibration, performed Fri Aug 23 08:13:45 2024:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.011	2.086	0.800	71.921	34.284	0.407
CAL	2.219	2.190				
5'	0.025	2.109	0.800	71.921	34.117	-0.042
SUM						
S1	0.008	2.105	0.000	71.921	34.292	-0.262
S2	0.020	2.091	0.000	71.921	34.730	-0.711
S3	0.018	2.103	0.000	71.921	34.494	-0.609
S4	0.016	2.079	0.000	71.921	34.852	-0.550
S5	0.013	2.051	0.000	71.921	35.287	-0.467
S6	0.015	2.046	0.000	71.921	35.413	-0.532
S7	0.024	2.023	0.000	71.921	35.986	-0.880
S8	0.016	2.102	0.000	71.921	34.492	-0.566

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	2.219	2.190	1.000	0.000

Air Zero Calibration, performed Wed Aug 21 15:15:51 2024:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	