



# RADIAL BOND LOG WITH GAMMA RAY

ENERGY SERVICES

Comp. ANADARKO PETROLEUM CORP		Company <b>ANADARKO PETROLEUM CORP</b>	
Well UPRR 39 PAN AM F 1		Well <b>UPRR 39 PAN AM F 1</b>	
Field WATTTENBERG		Field <b>WATTTENBERG</b>	
Co. WELD		County <b>WELD</b>	
State CO		State <b>CO</b>	
Location: API # : 05-123-12570		Other Services	
NE/SW		CCL TEMP	
SEC 5 TWP 3N RGE 65W			
Permanent Datum	GL	Elevation	4897
Log Measured From	KB 10	Above Perm. Datum	
Drilling Measured From	KELLY BUSHING	K.B.	4907
		D.F.	NA
		G.L.	4897
Date of Service	JUNE 14TH, 2022		
Run Number	ONE		
Depth Driller or P8TD	7857		
Depth Logger	6620		
Bottom Log Interval	6617		
Top Log Interval	SURFACE		
Open Hole Size	7-7/8"		
Type Fluid	WATER		
Fluid Level	SURFACE		
Fluid Density	8.3		
Max. Recorded Temperature	246 F		
Max. Wellhead Pressure	ZERO PSI		
Wellhead Connection	7 1/16 5K		
Estimated Cement Top	SEE LOG		
Unit Number	P-132		
Wireline Size	9/32"		
Location	FORT MORGAN		
Recorded By	G. JACKSON		
Witnessed By	LUIS MORALES		
	Size	Wt/Ft	Top
Tubing Record			Bottom
Surface Casing	9-5/8	36	SURFACE
Production Casing	5-1/2	17	SURFACE
Liner Record			

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

### Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.  
CORRELATED TO DV TOOL AT 3182'  
LOG RAN WITH ZERO PSI

THANK YOU FOR USING PIONEER ENERGY SERVICES!

Your Pioneer Energy Services Crew	Tool Data - Services	Serial Number
Engineer: G. JACKSON	RCBL	070641
Operator: AJ SPILLMAN	GR/CCL	110916
Operator: BRUCE MELENDEZ		
Operator:		



# Log Variables

DatabaseC:\ProgramData\Warrior\Data\anadarko\_uprr39 pan am f 1\_6-14-22\_rcbl.db  
Dataset field/well/run1/pass6/\_vars\_

## Top - Bottom

BHTEMP_Src TEMP	BOREID in 7.875	BOTTEMP degF 100	CASEOD in 5.5	CASETHCK in 0	CASEWGHT lb/ft 17	MAXAMPL mV 0
MINAMPL mV 1	MINATTN db/ft 0.08	PERFS No	PPT usec 0	SRFTEMP degF 0	TDEPTH ft 0	

## Variable Description

BHTEMP\_Src : BHTEMP Input Source Selector  
BOREID : Borehole I.D.  
BOTTEMP : Bottom Hole Temperature  
CASEOD : Casing O.D.  
CASETHCK : Casing Thickness  
CASEWGHT : Casing Weight  
MAXAMPL : Maximum Amplitude

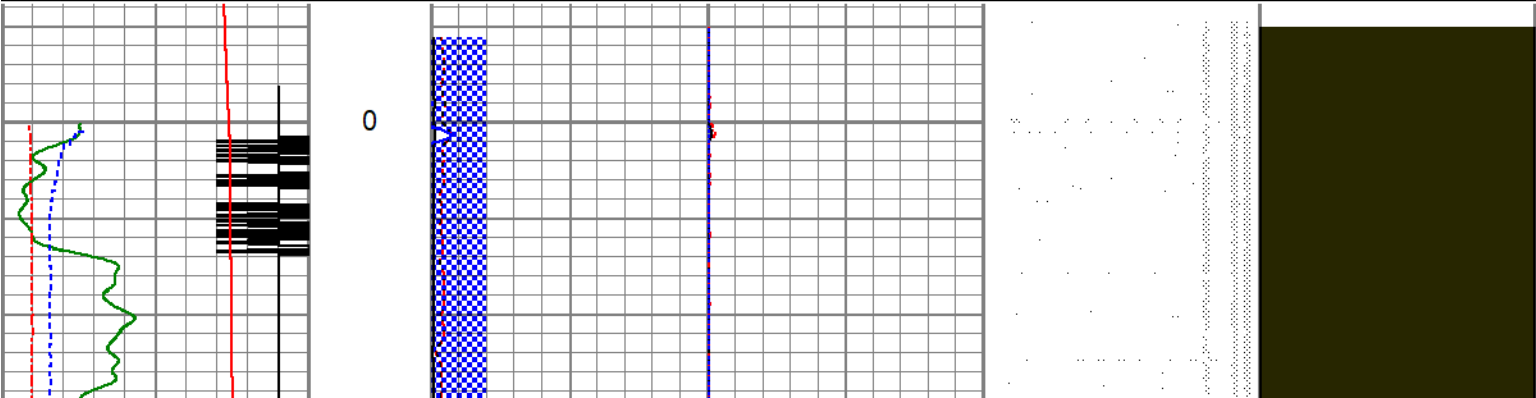
MINAMPL : Minimum Amplitude  
MINATTN : Minimum Attenuation  
PERFS : Perforation Flag  
PPT : Predicted Pipe Time  
SRFTEMP : Surface Temperature  
TDEPTH : Total Depth

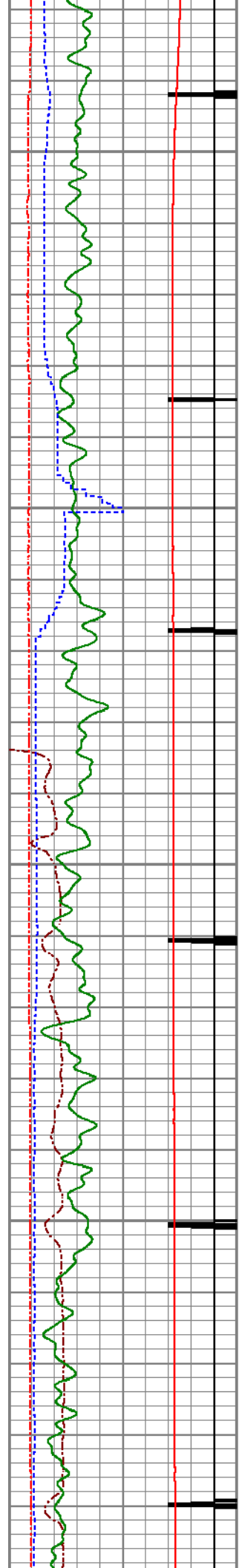
## MAIN LOG

ZERO PSI APPLIED AT SURFACE

Database File anadarko\_uprr39 pan am f 1\_6-14-22\_rcbl.db  
Dataset Pathname pass6  
Presentation Format pinr\_scbl  
Dataset Creation Tue Jun 14 17:27:58 2022  
Charted by Depth in Feet scaled 1:240

3Ft Travel Time 275 (usec) 175	3' Amplitude 0 (mV) 100	Sector Amplitude Average	VDL 200 (usec) 1200	1 Sector Map 8
-9 Collar Locator 1	3' Amplified Amplitude X 5	0 150		
Gamma Ray 0 (GAPI) 150	0 (mV) 20	Sector Amplitude Maximum		
LineTension 0 (lb) 2000	1 BONDIX 0	0 150		
Line Speed -100 (ft/min) 100		Sector Amplitude Minimum		
0 TEMP (degF) 100		0 150		



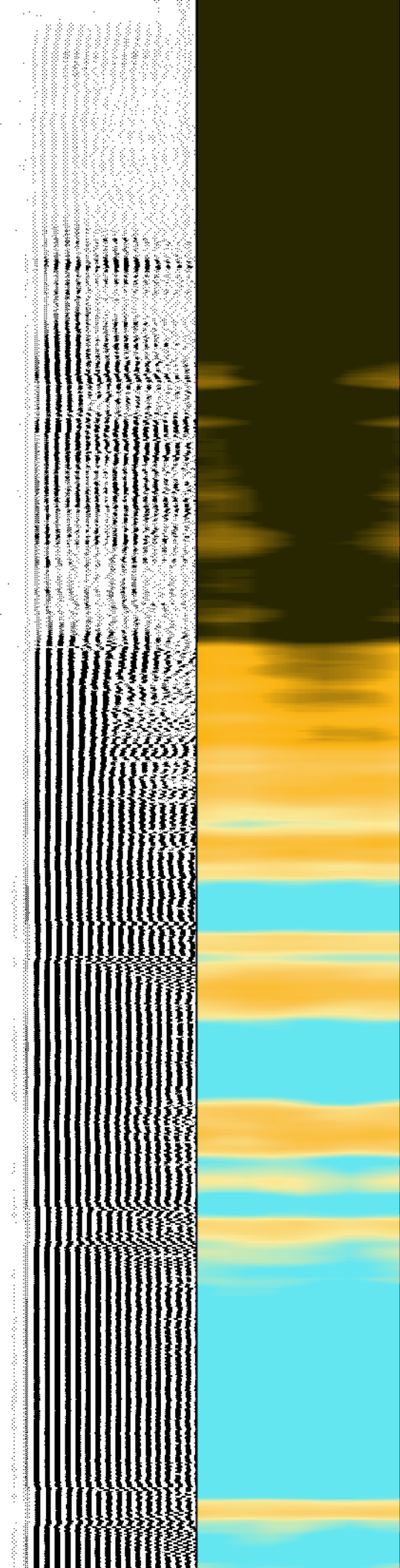
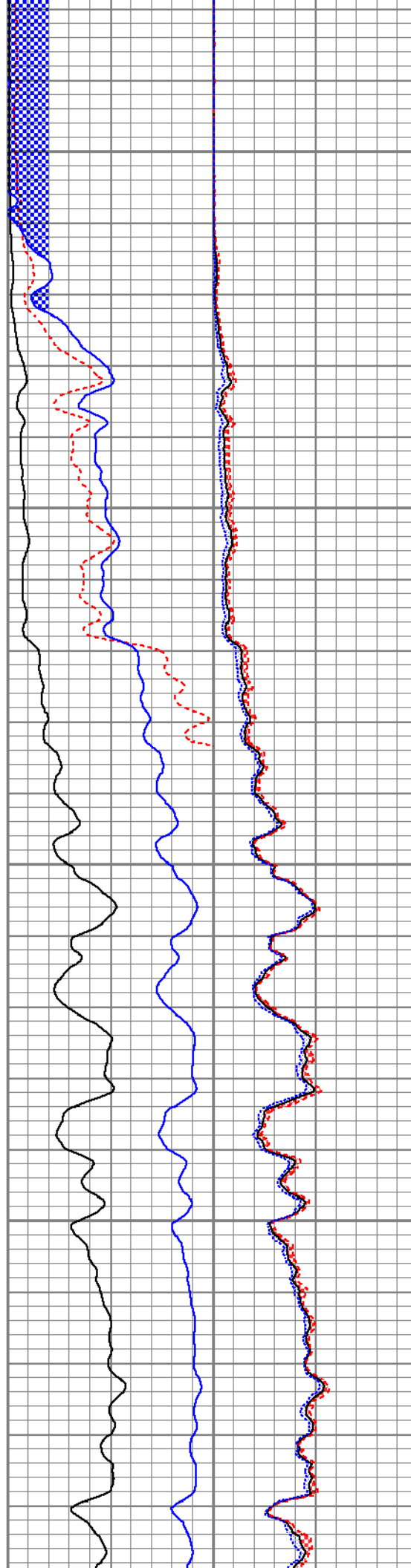


50

100

150

200



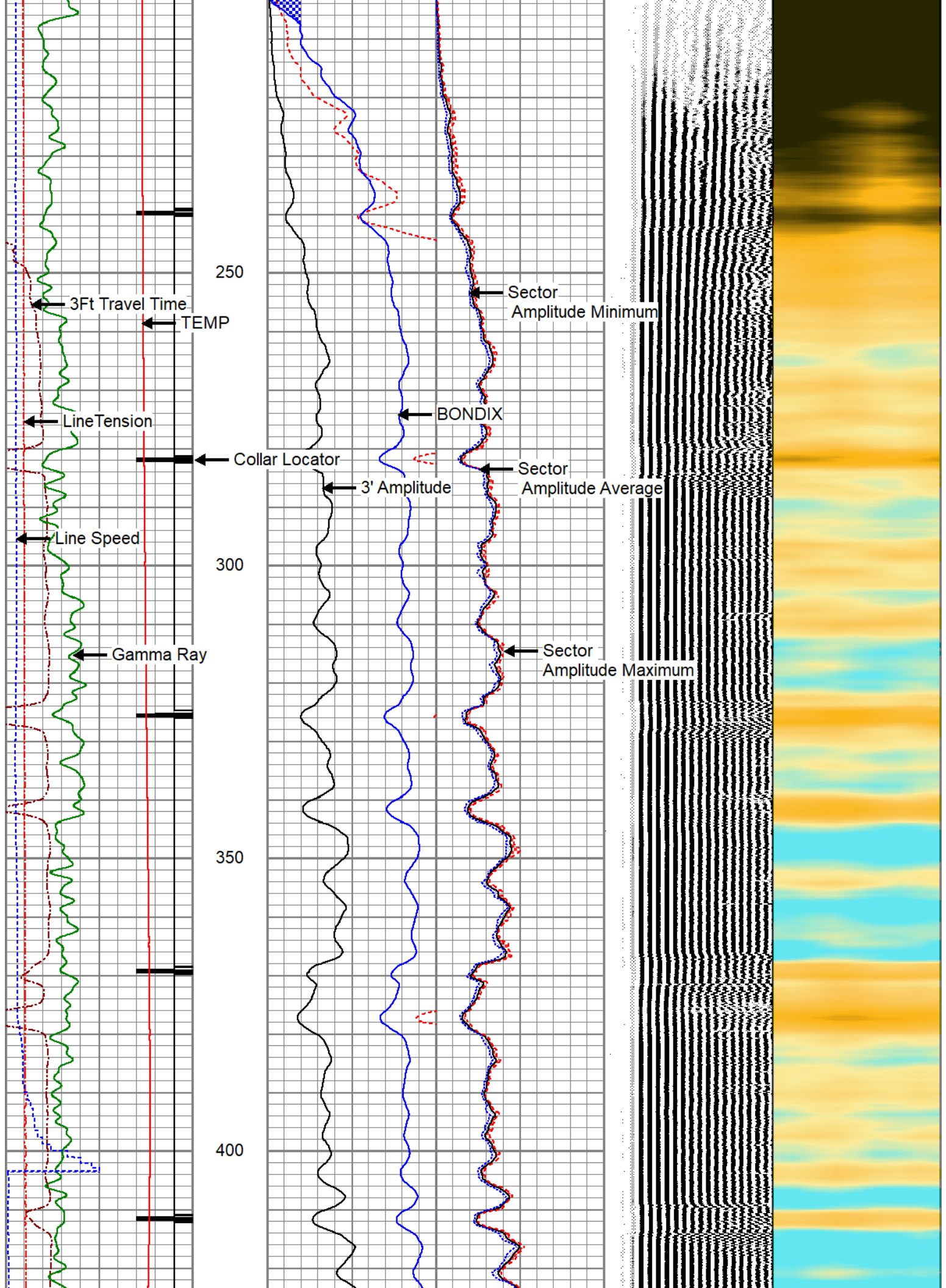


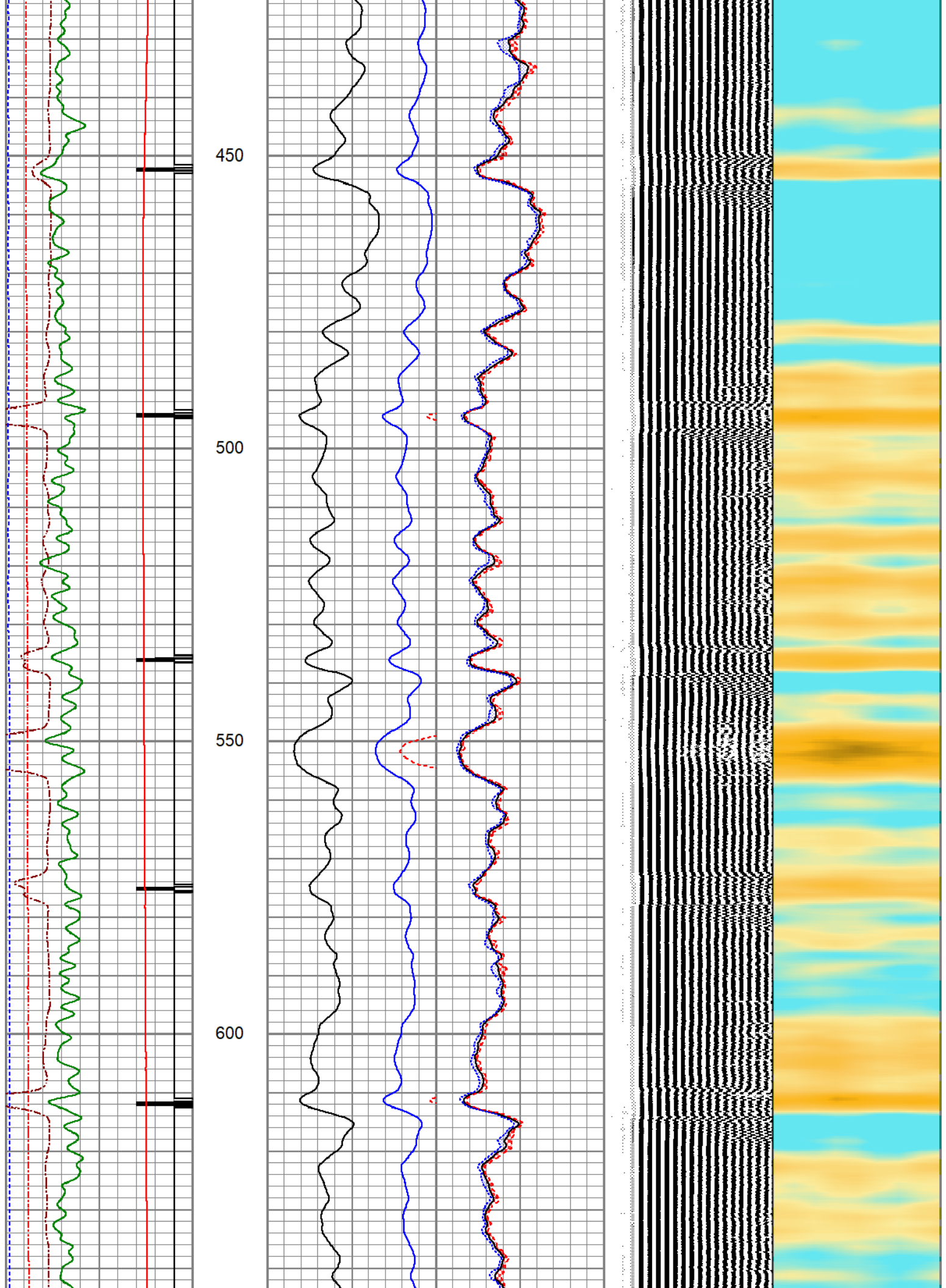
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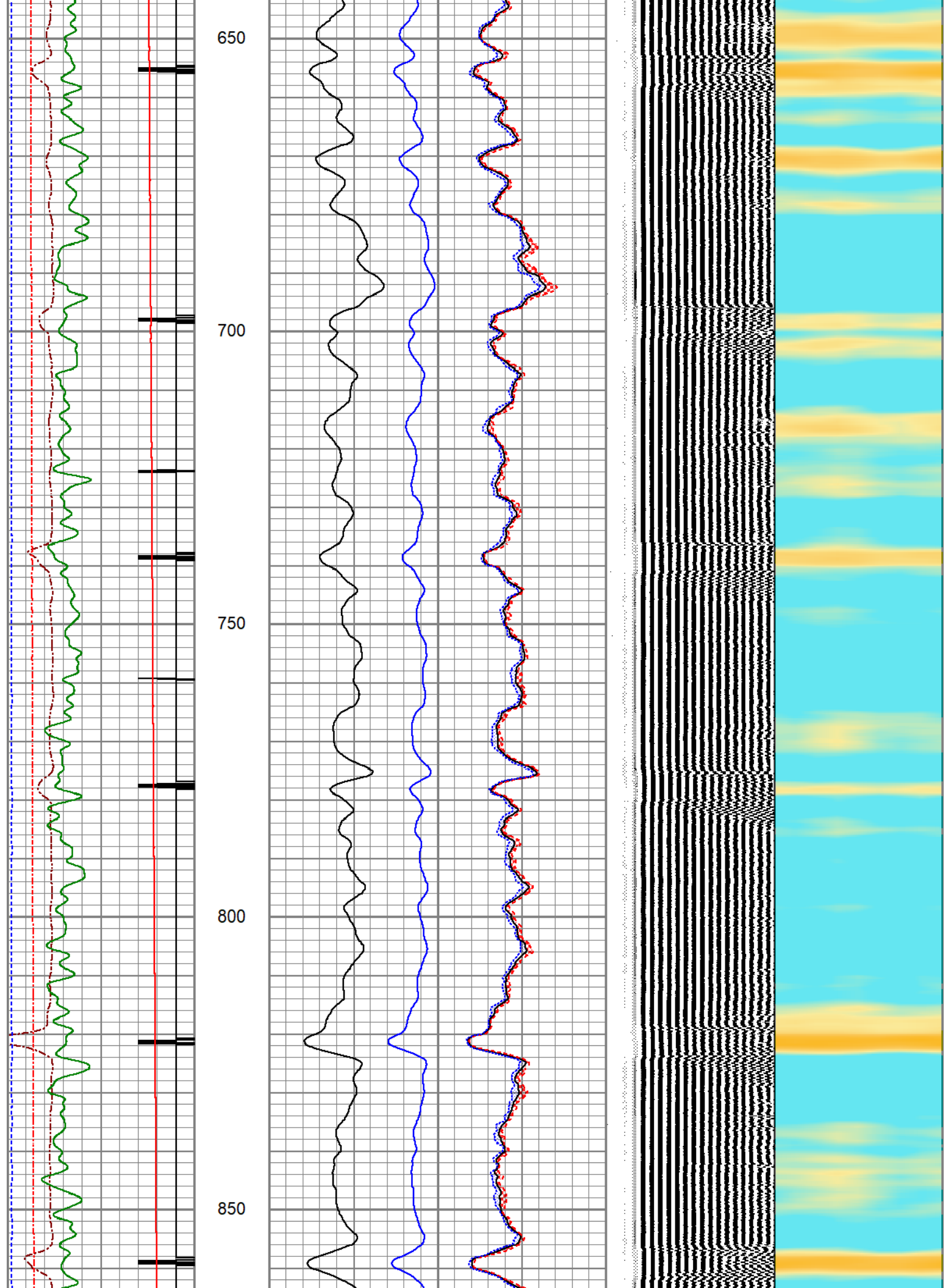
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Dataset Pathname	pass5
Presentation Format	pinr_scbl
Dataset Creation	Tue Jun 14 16:17:07 2022
Charted by	Depth in Feet scaled 1:240



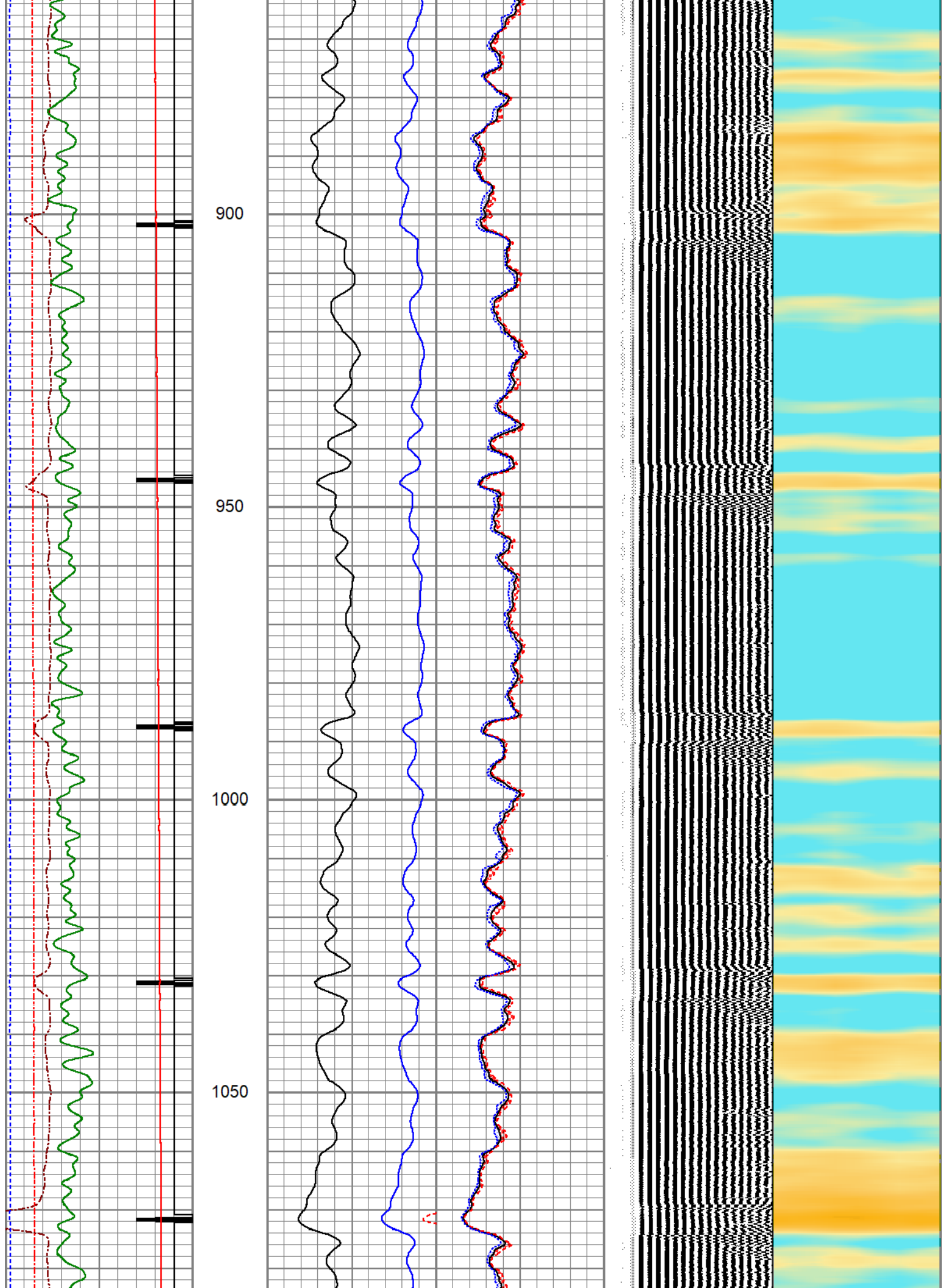


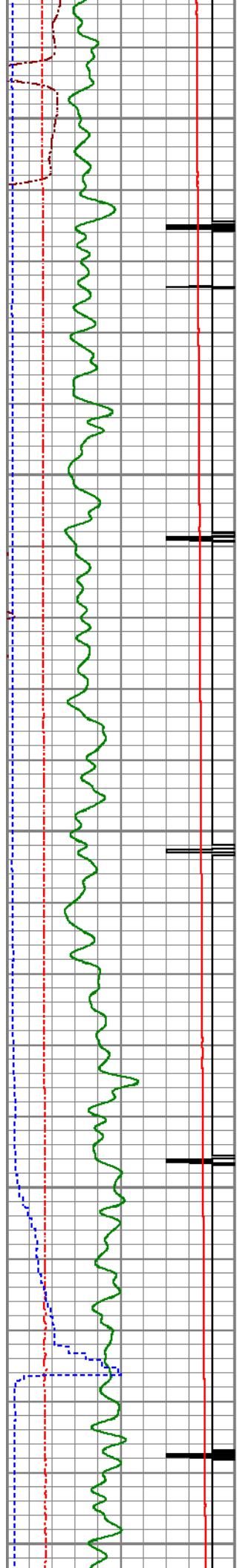












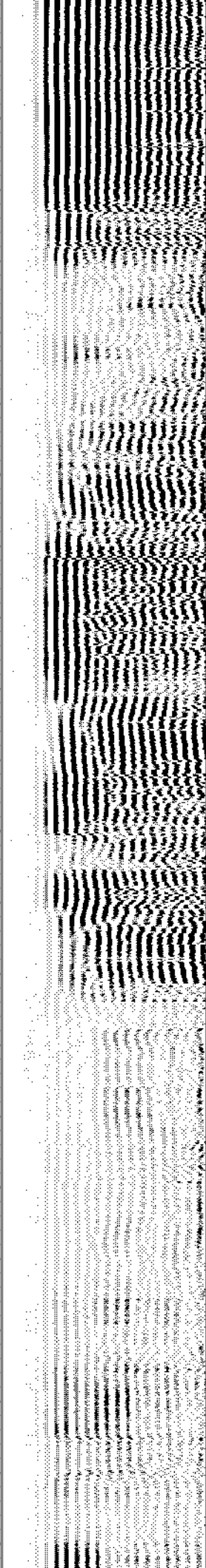
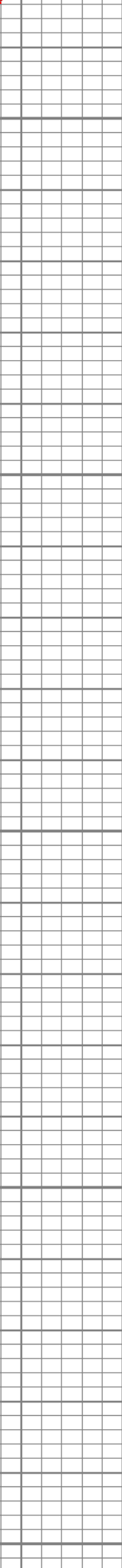
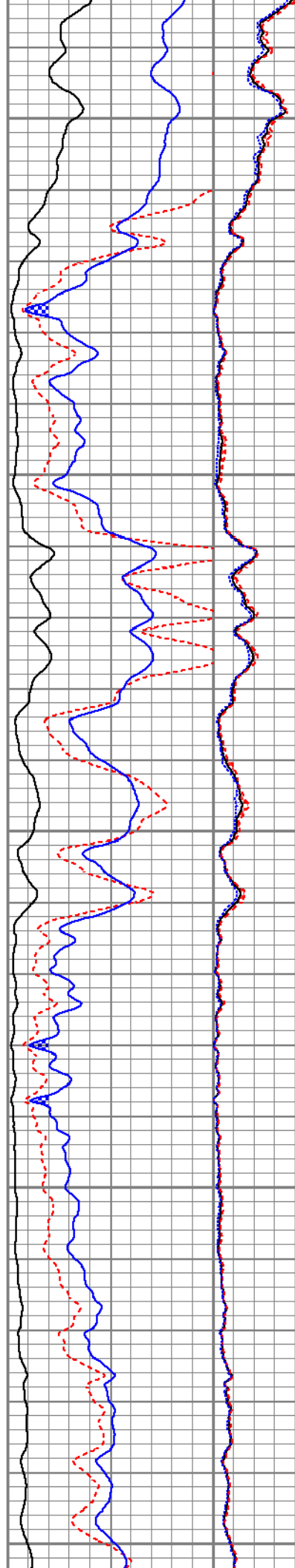
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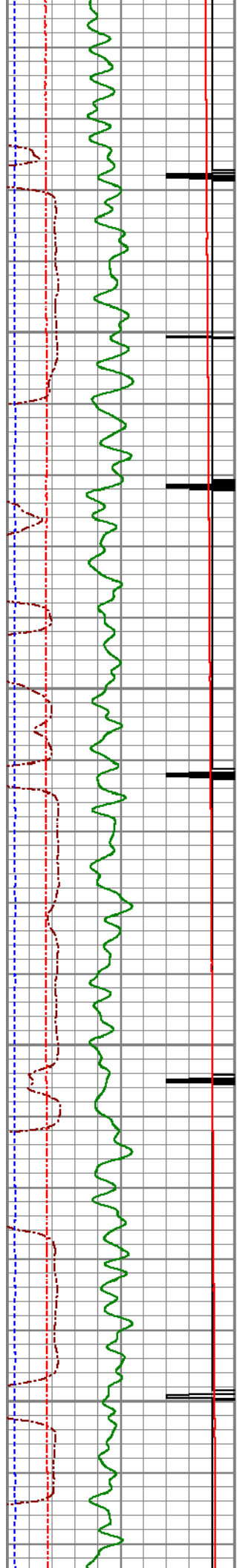
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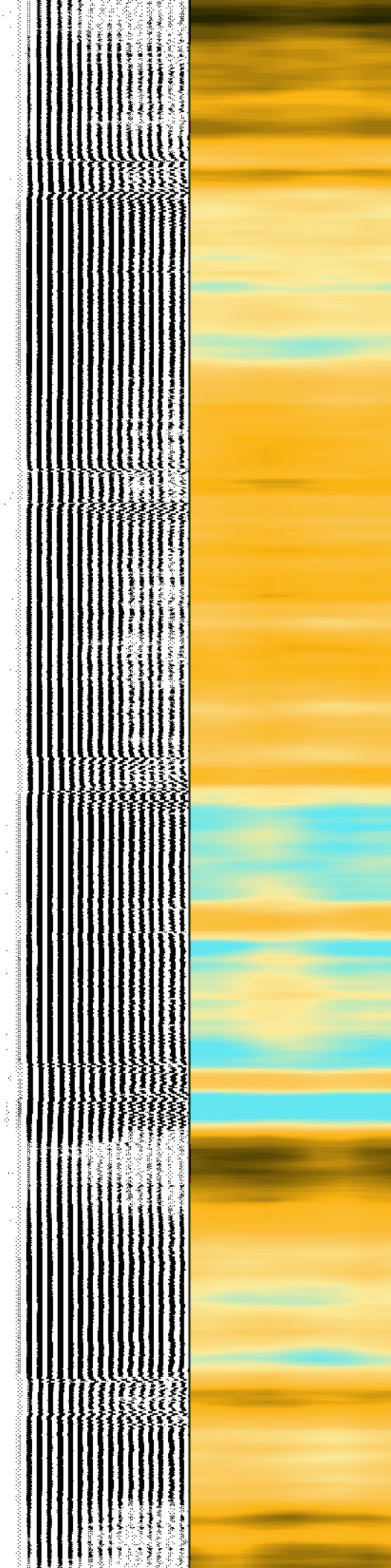
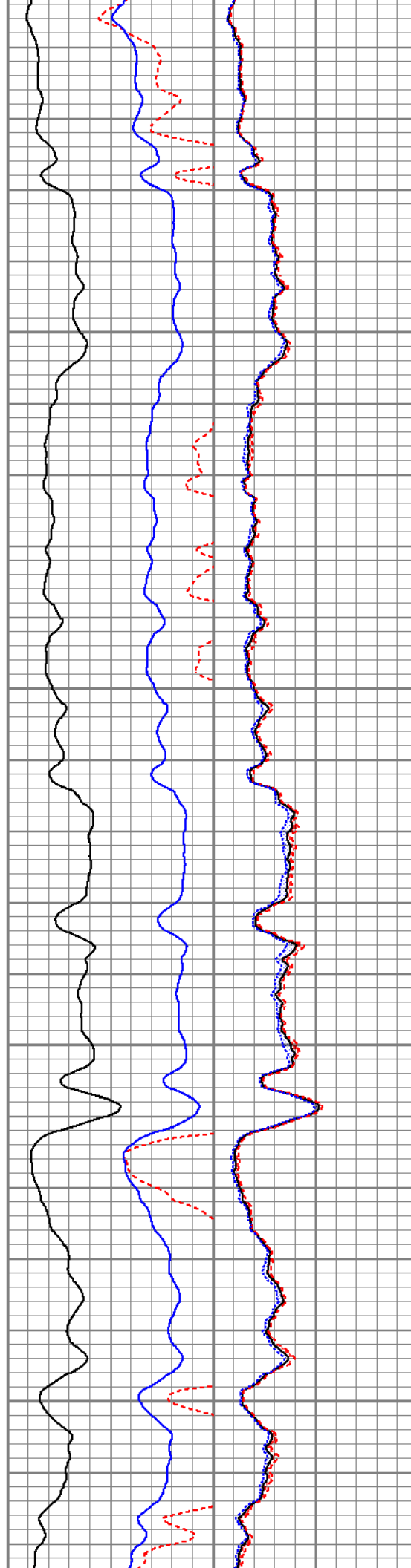


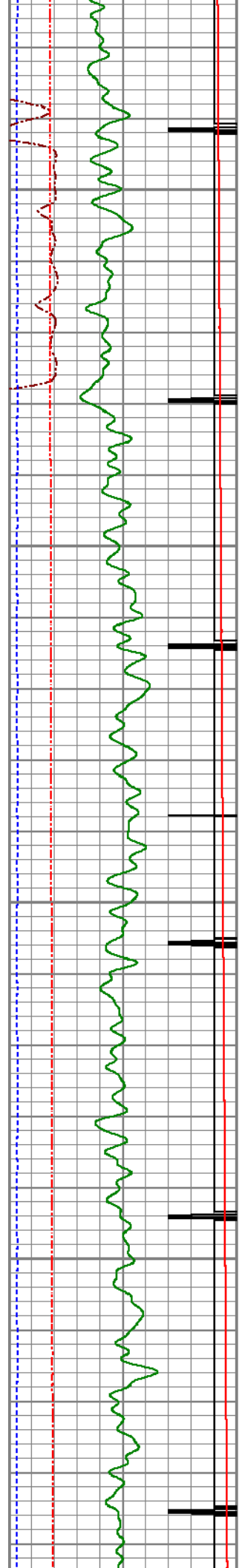
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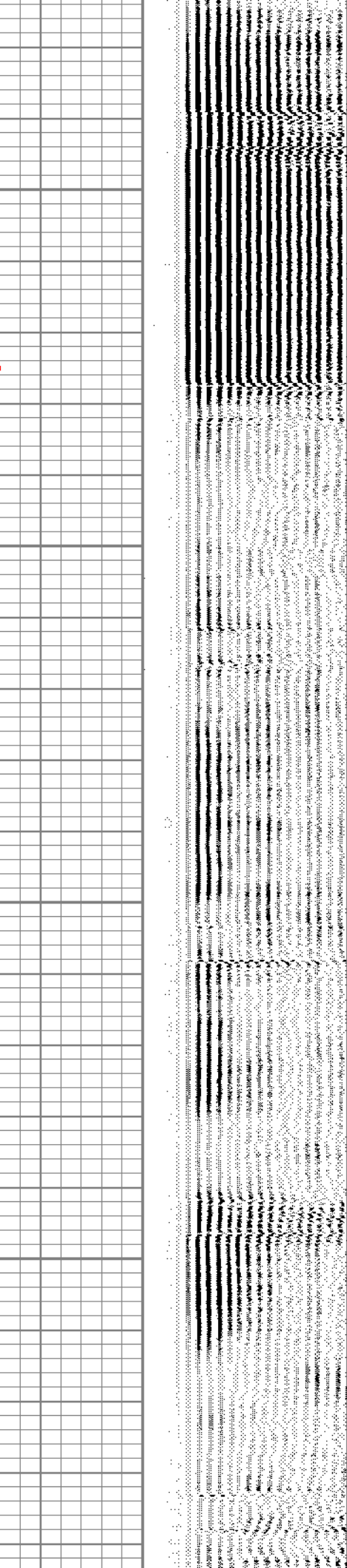
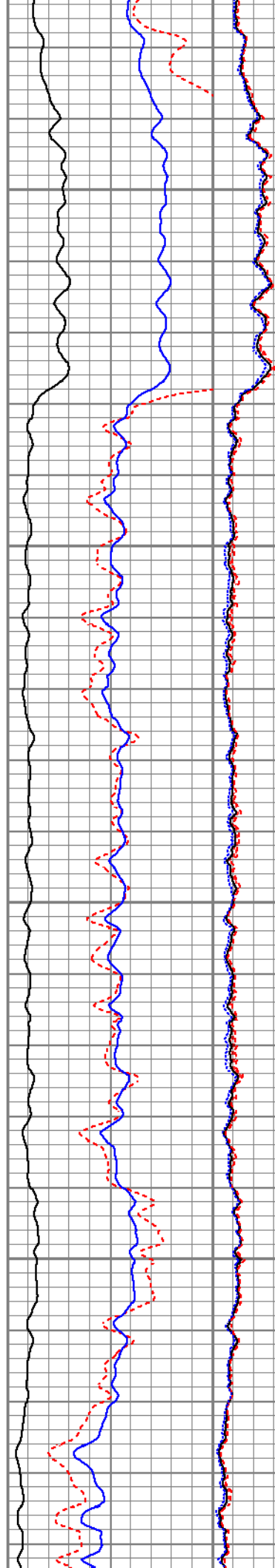


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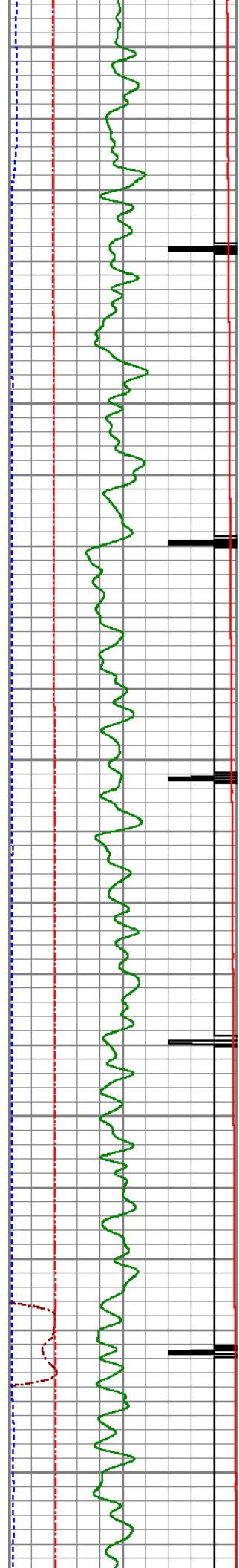
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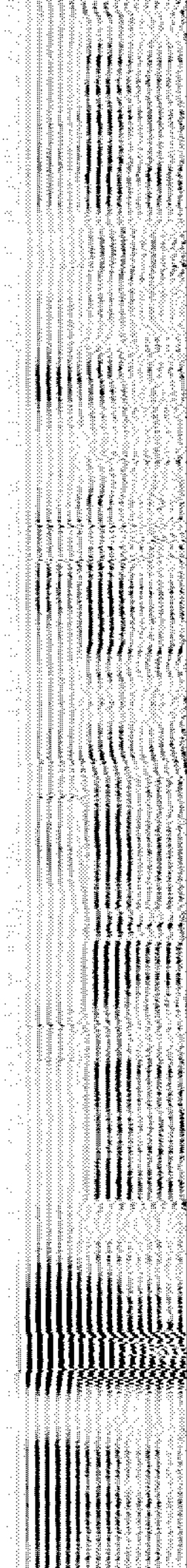
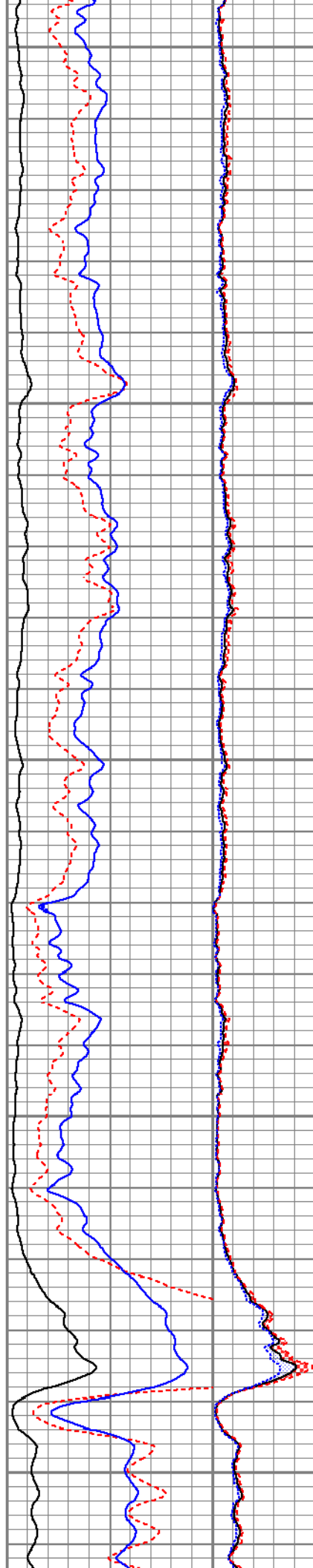
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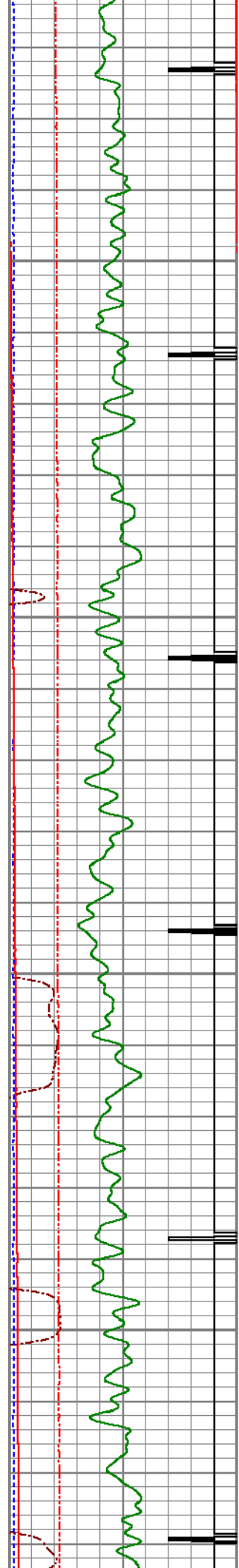
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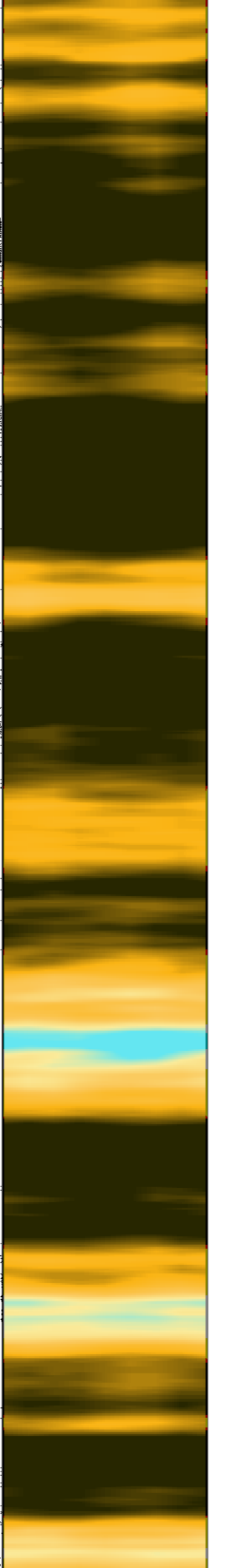
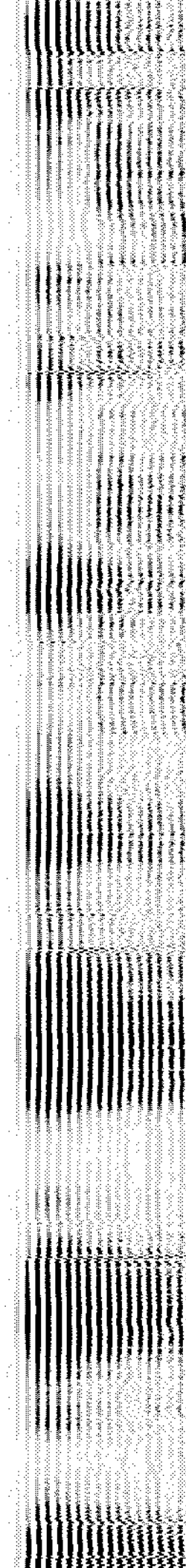
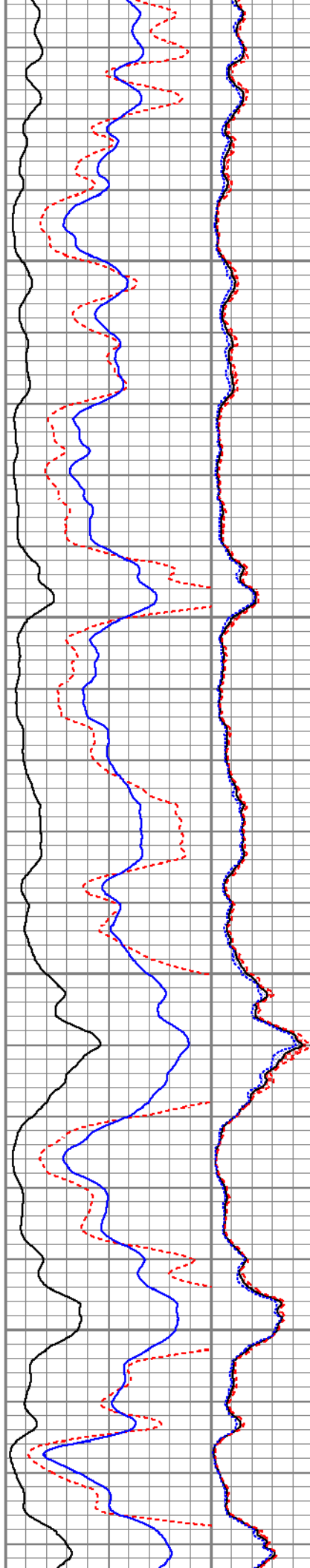


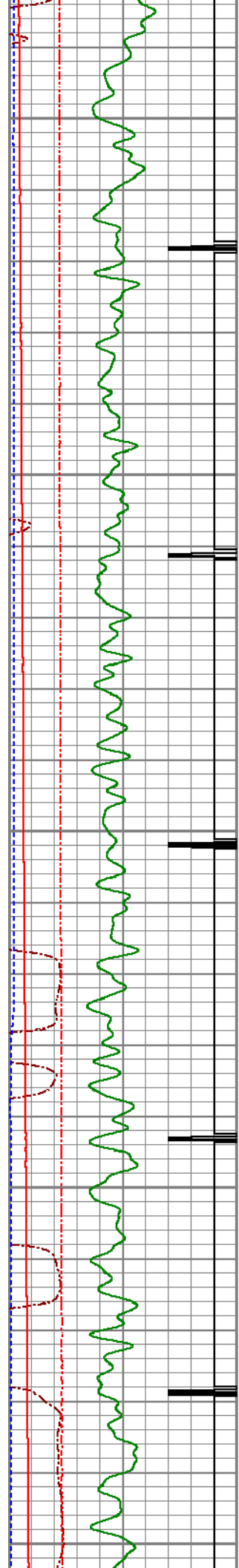
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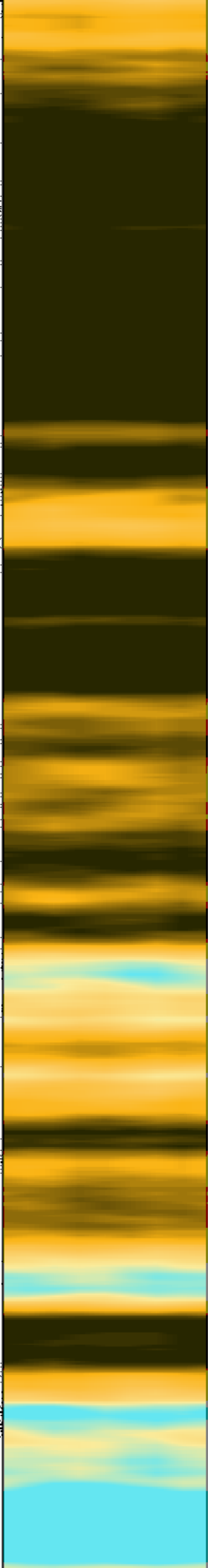
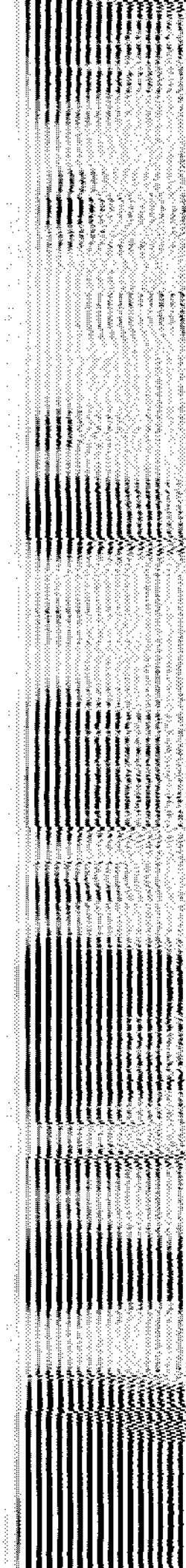
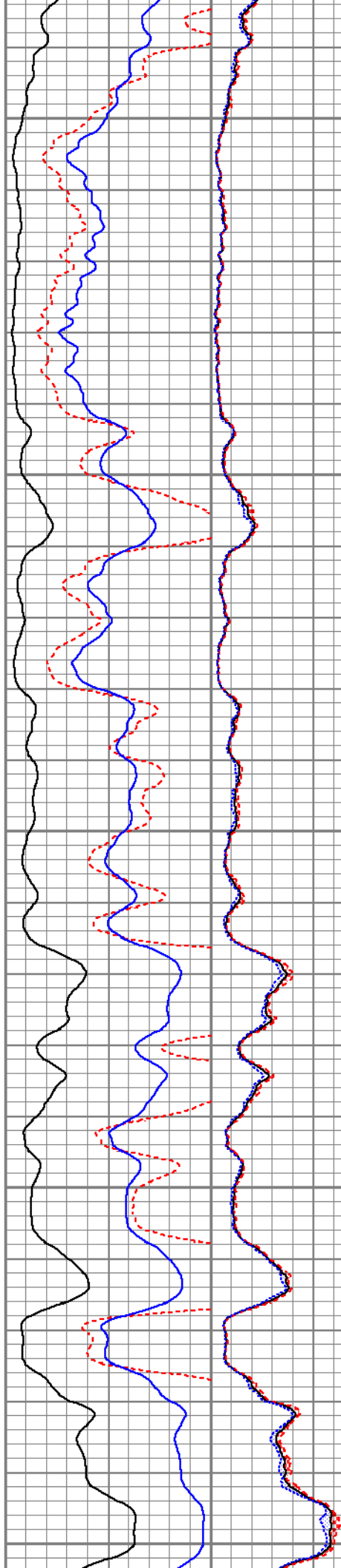
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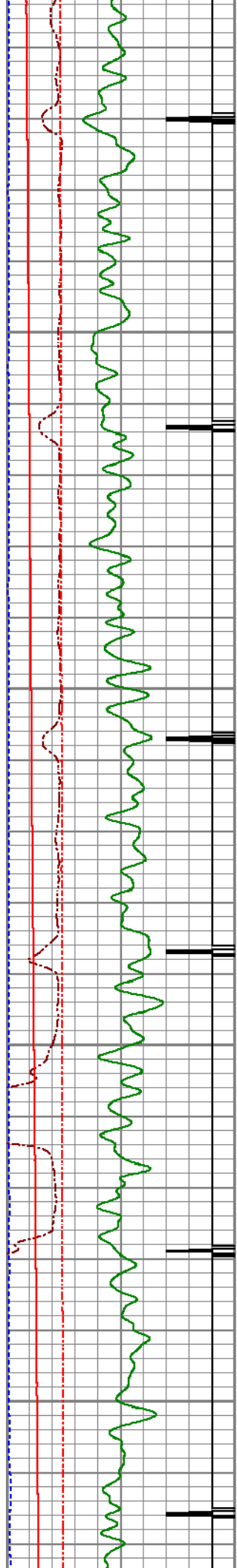
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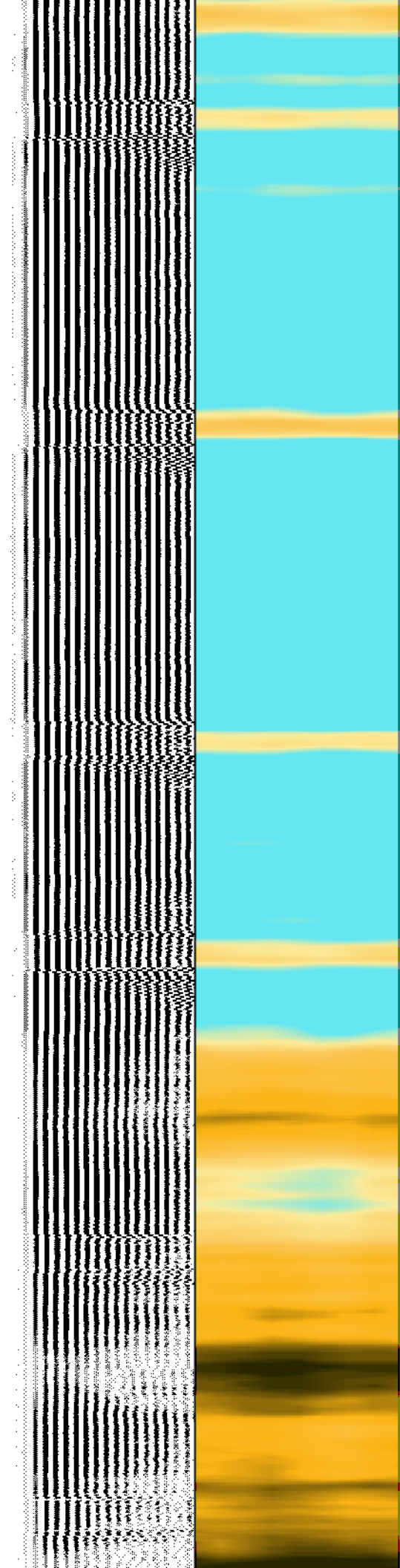
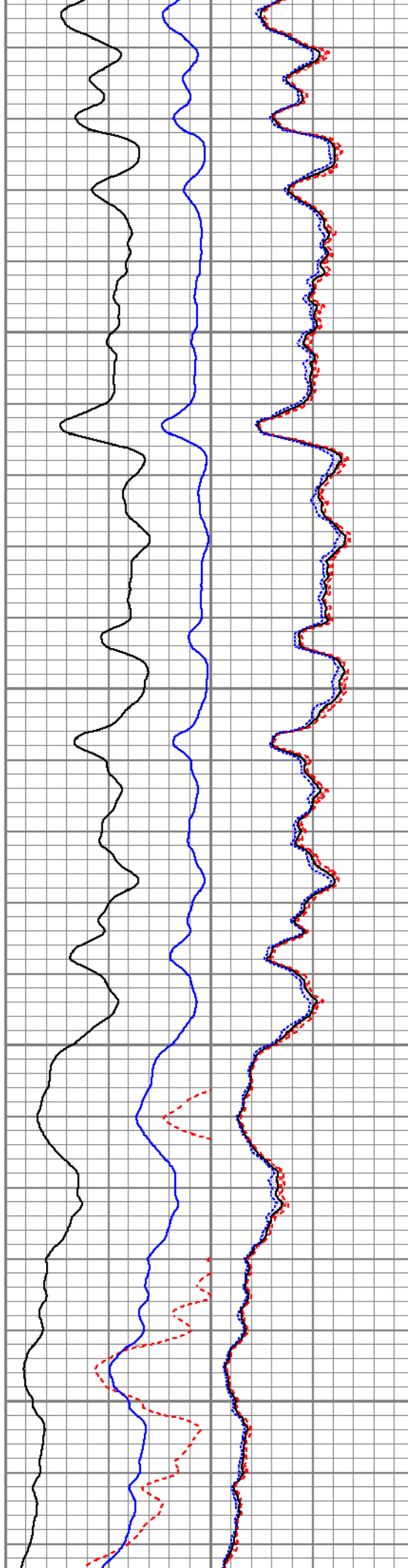


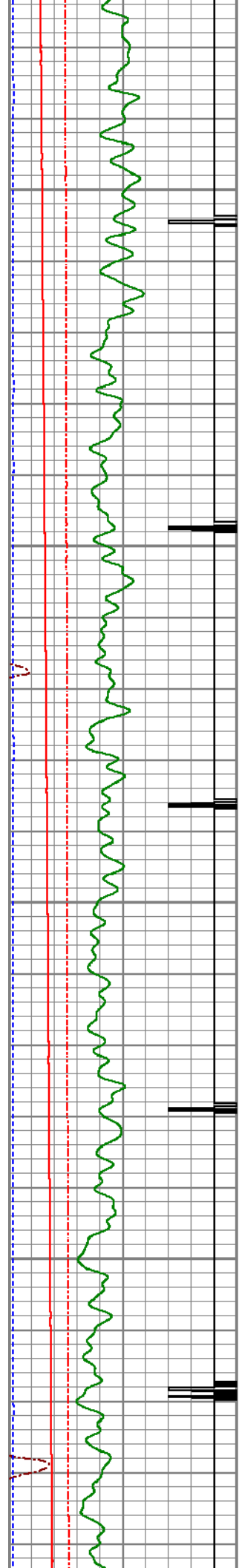
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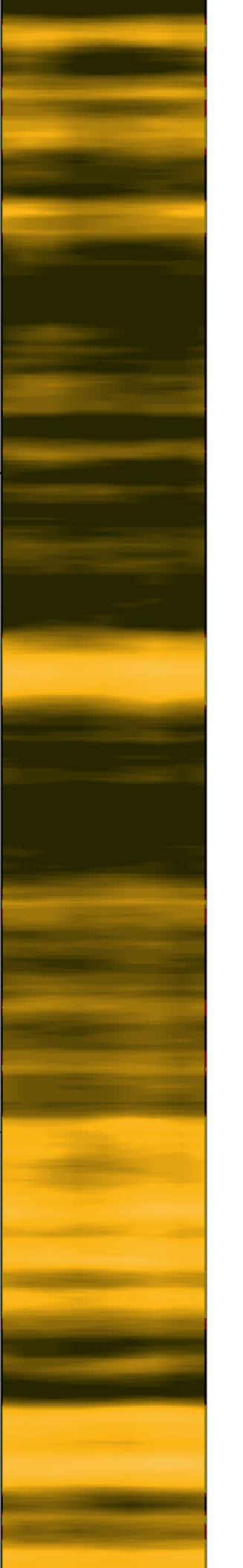
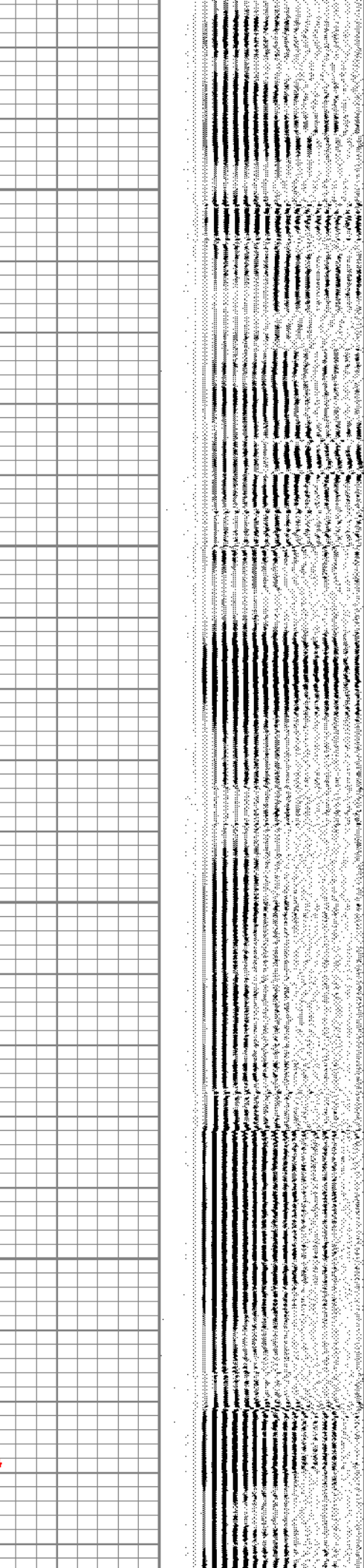
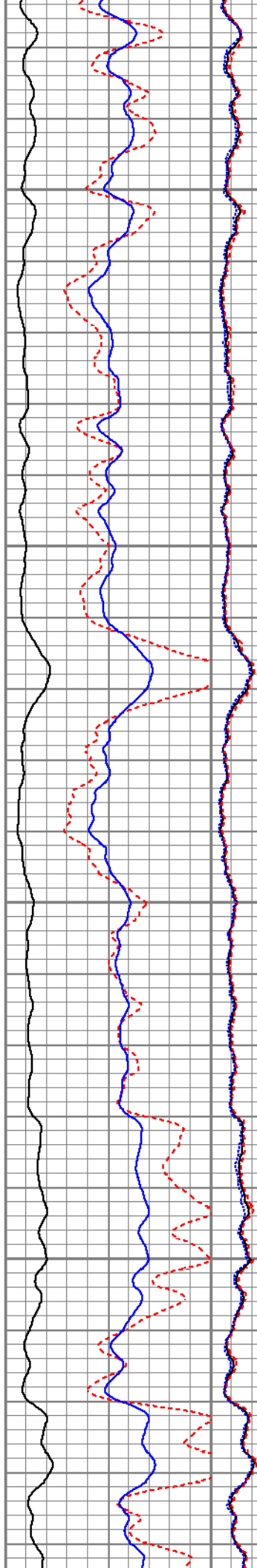


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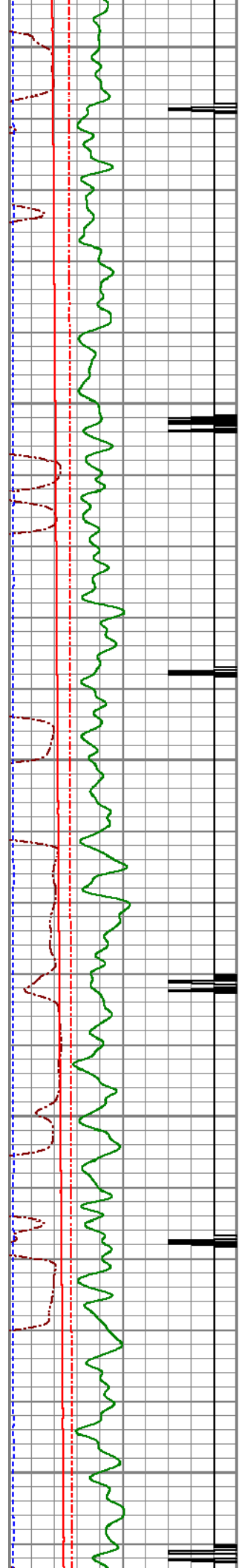
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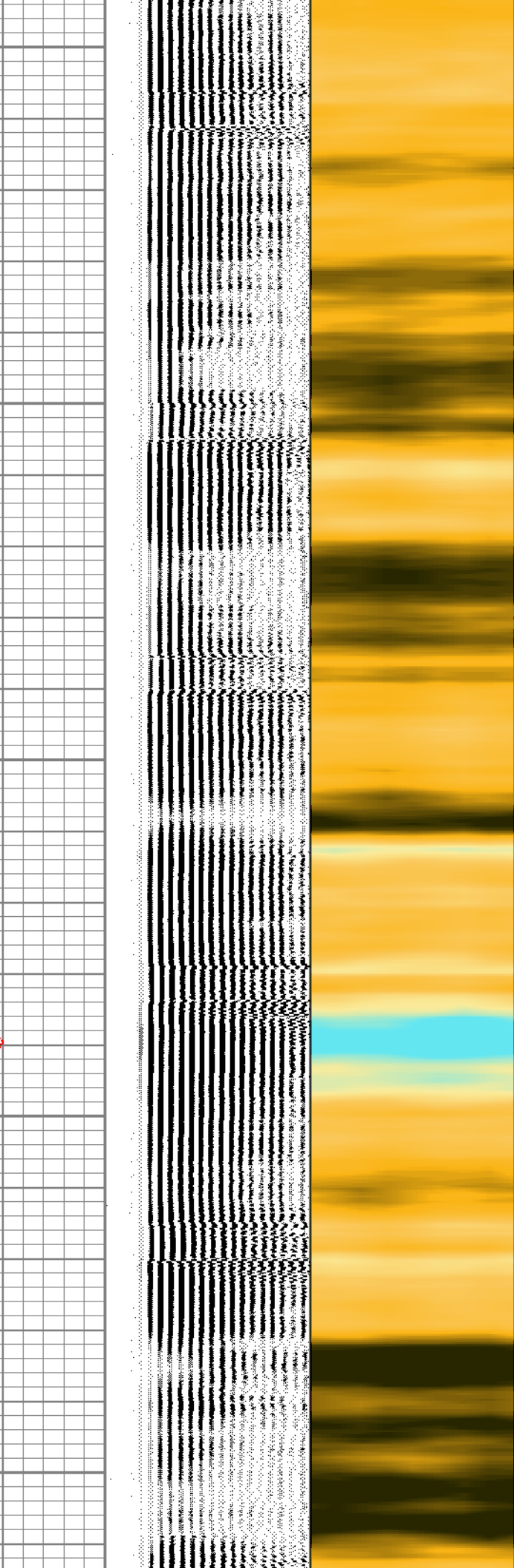
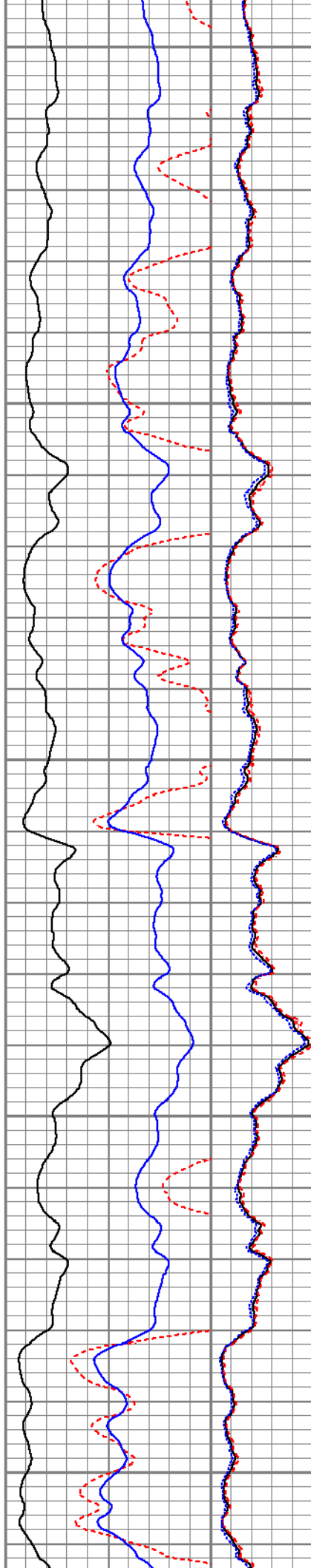
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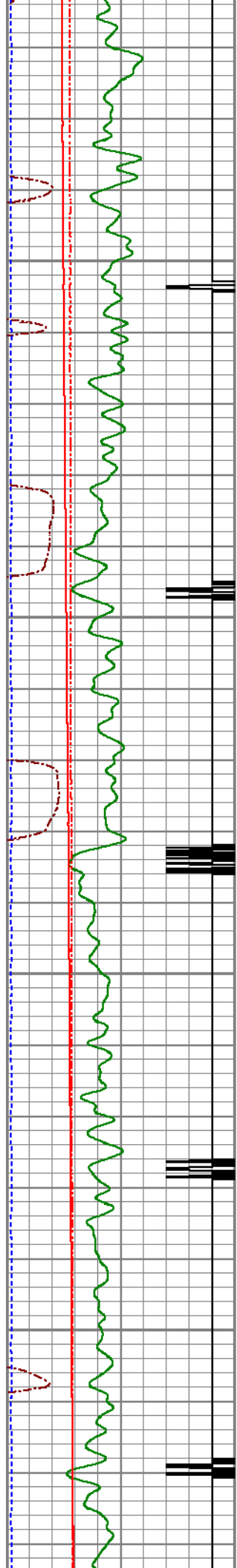
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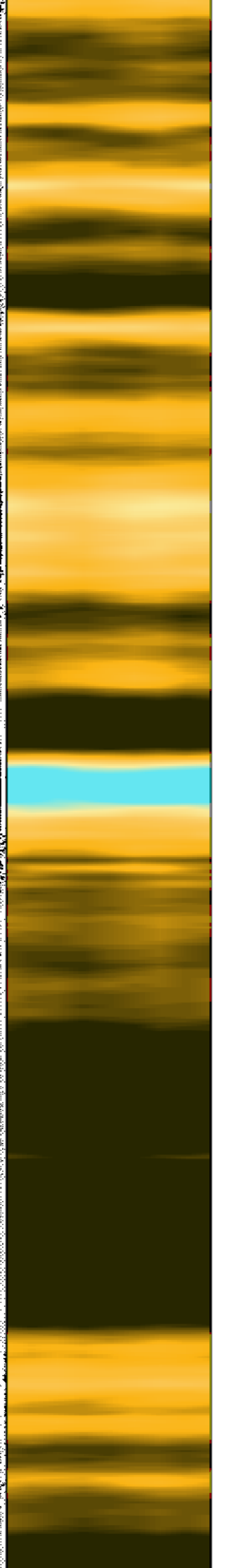
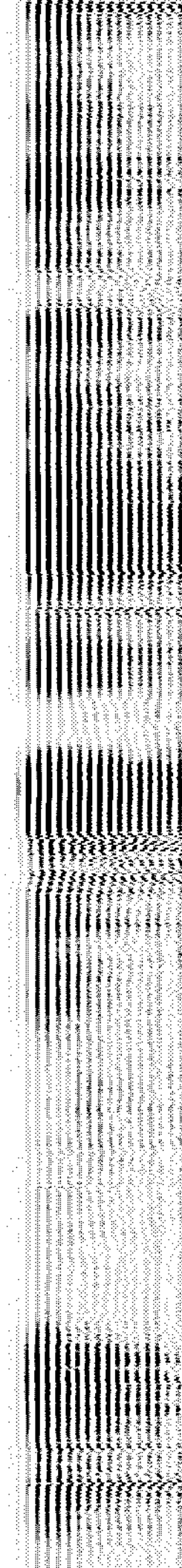
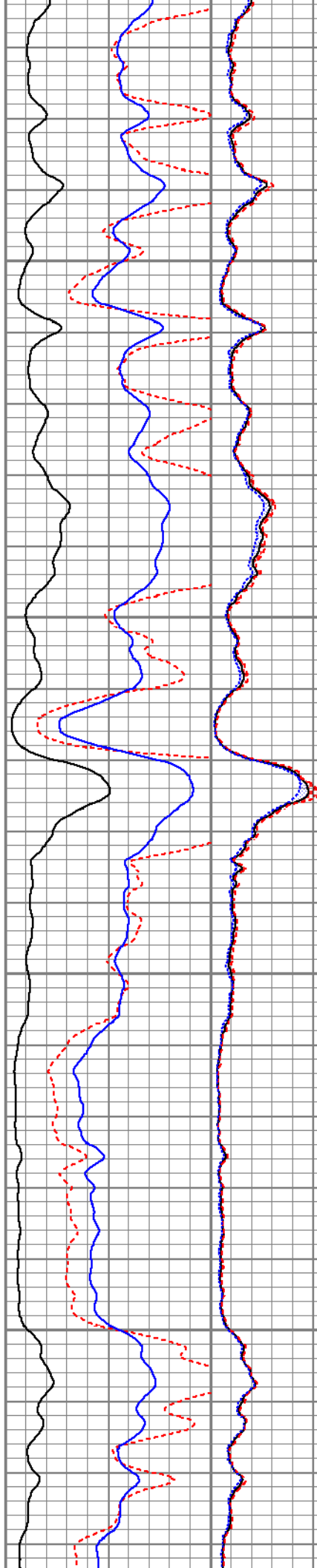


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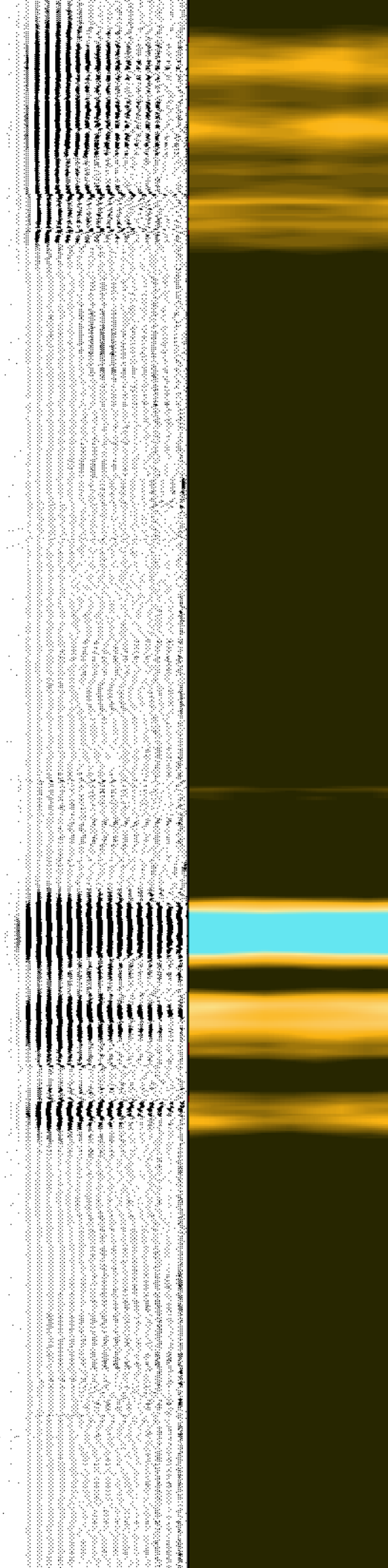
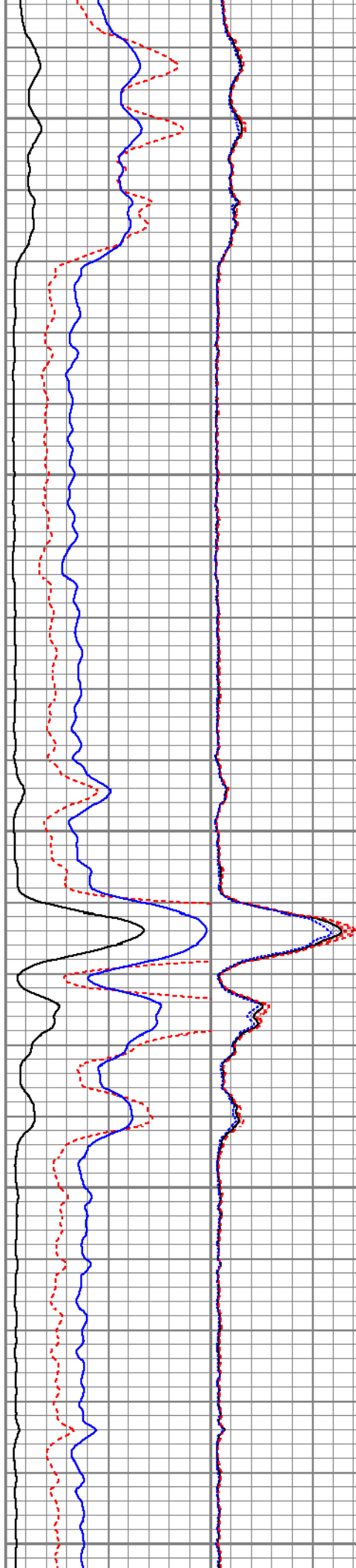
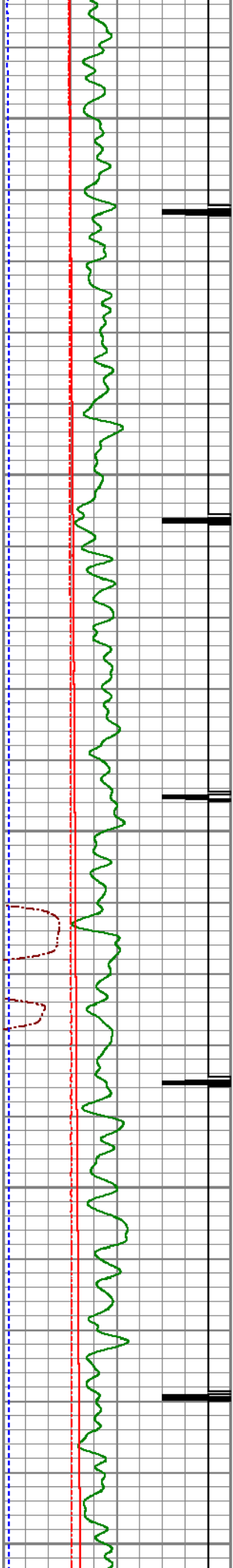
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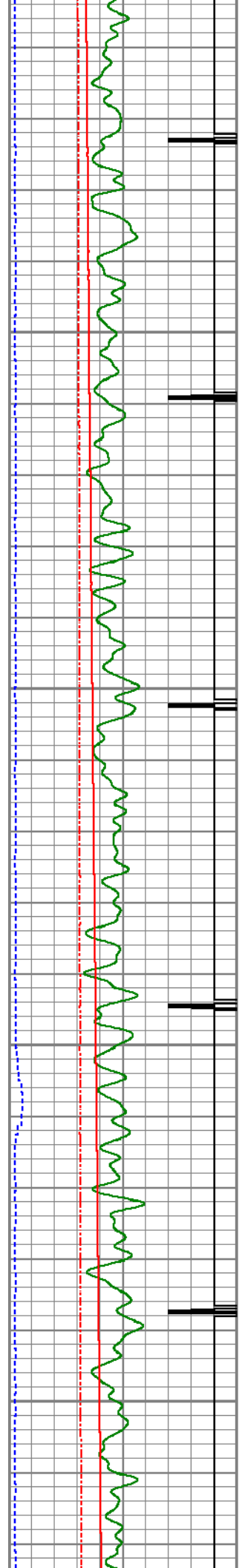
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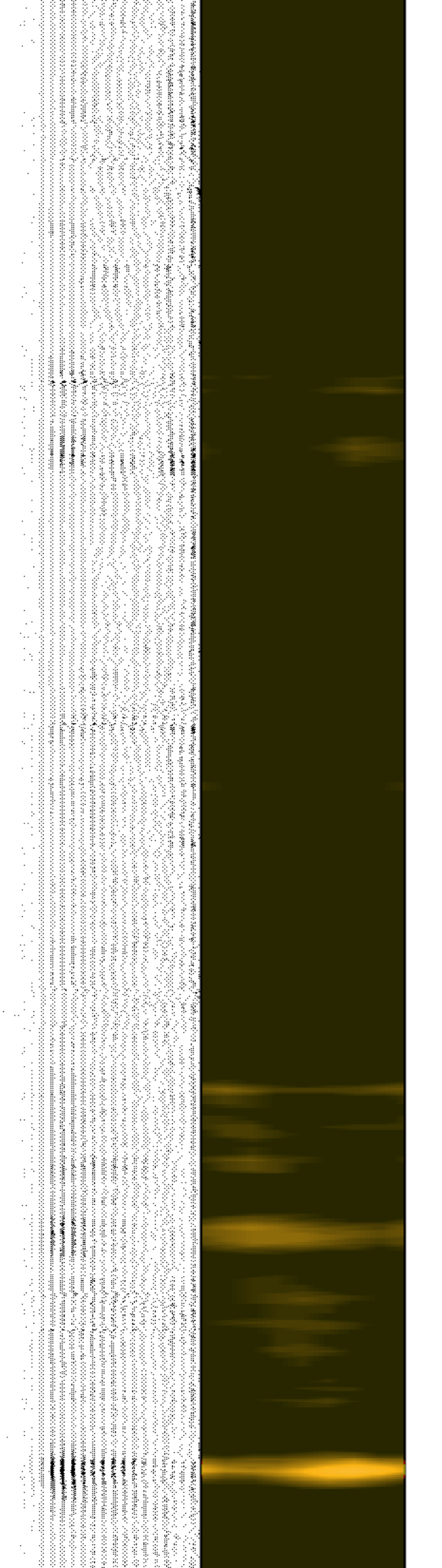
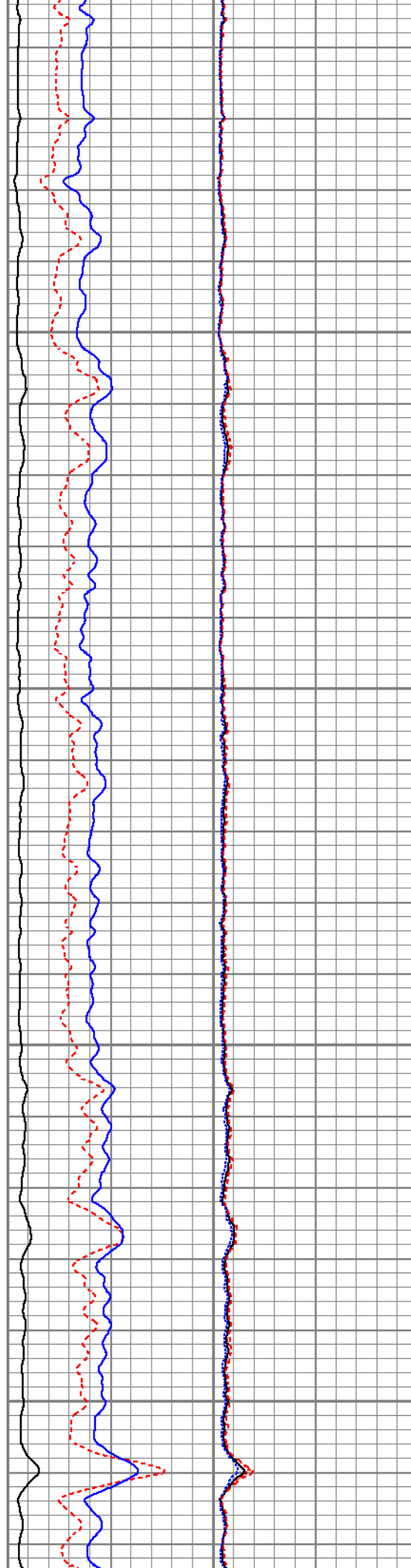


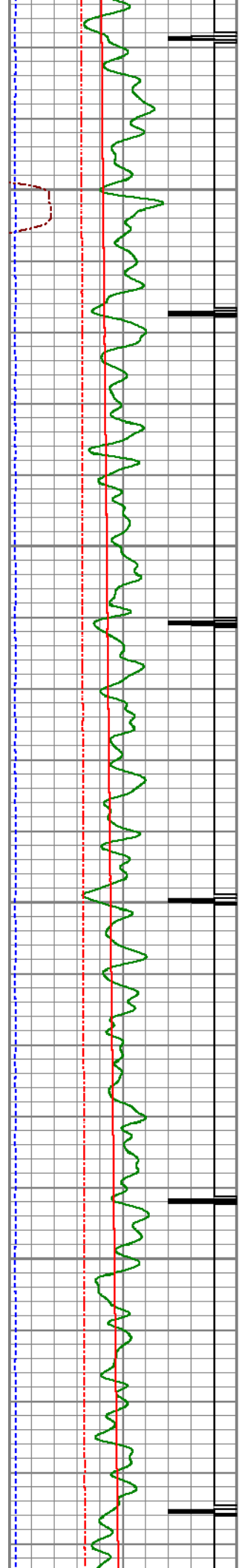
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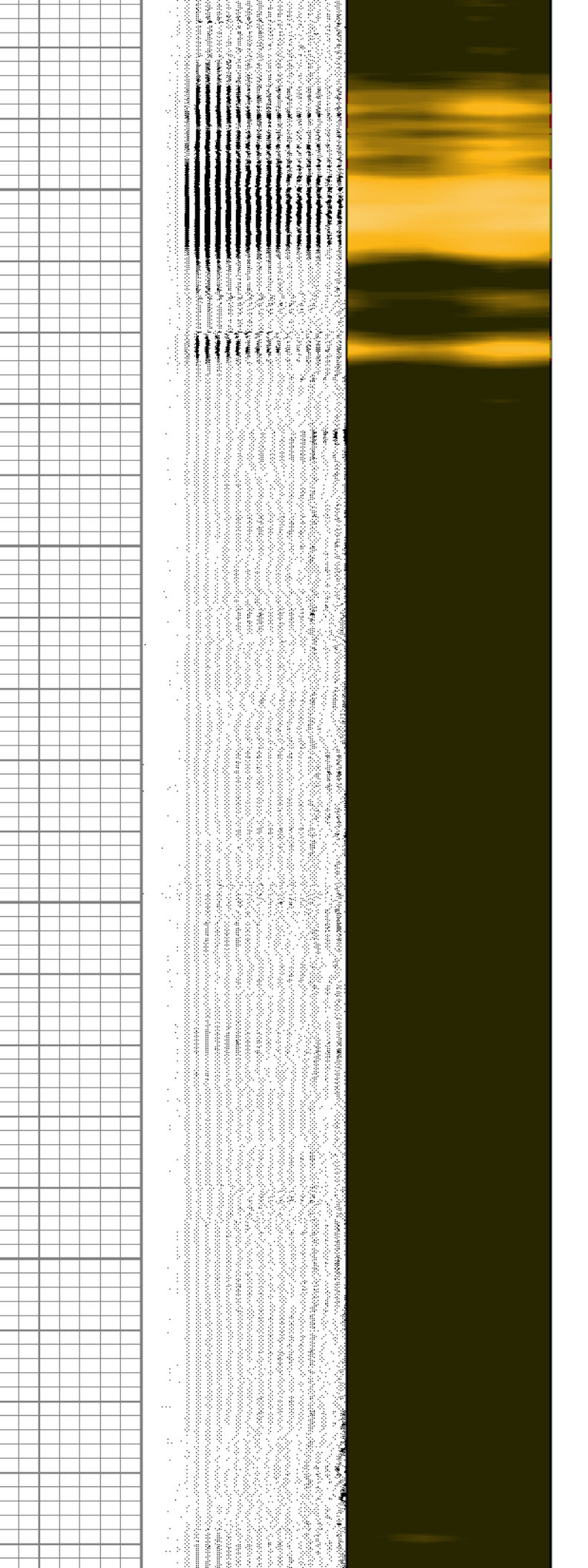
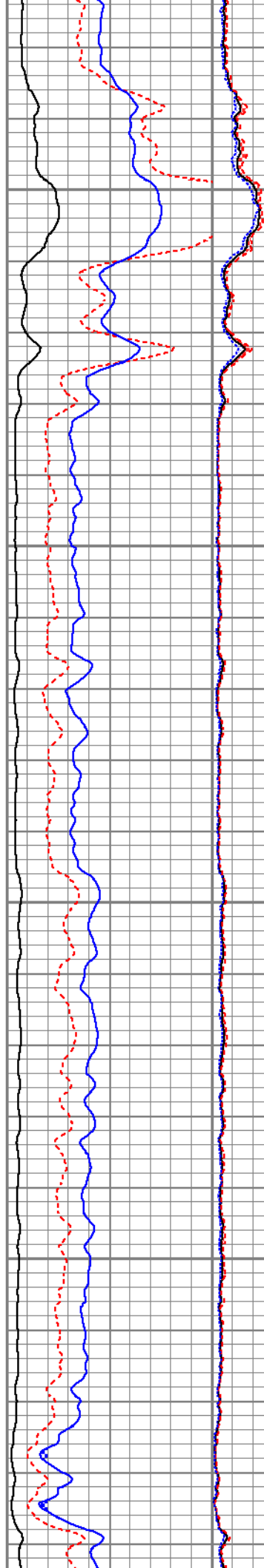


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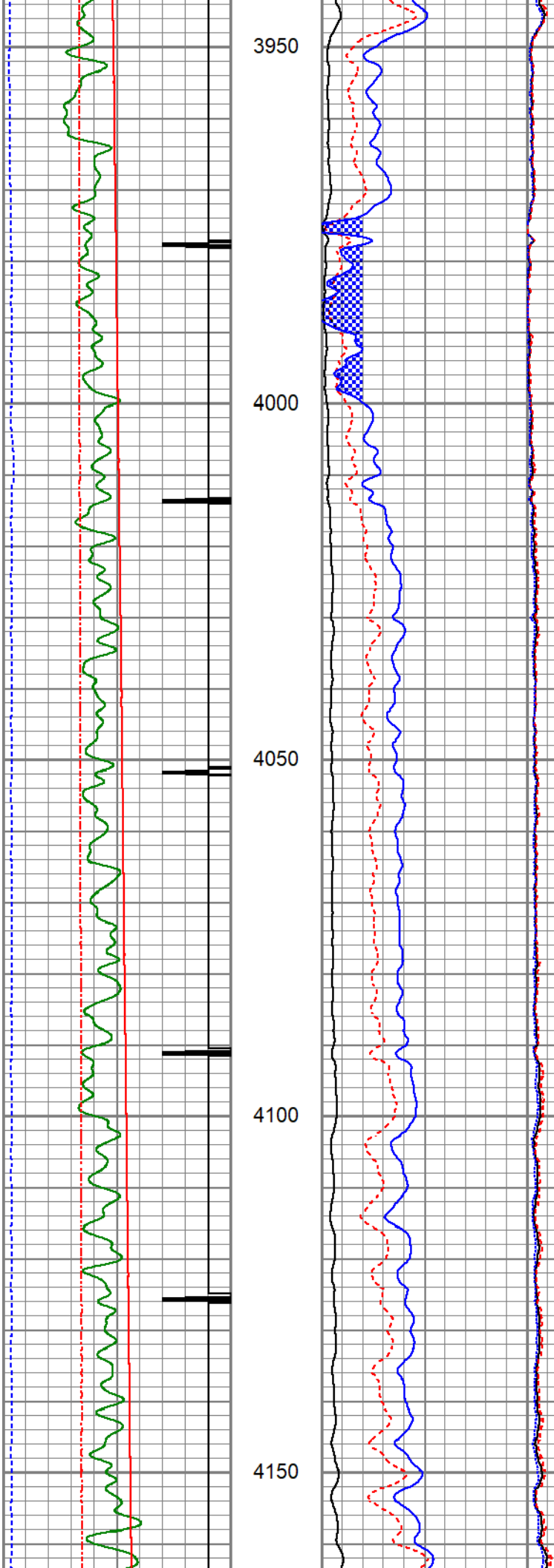
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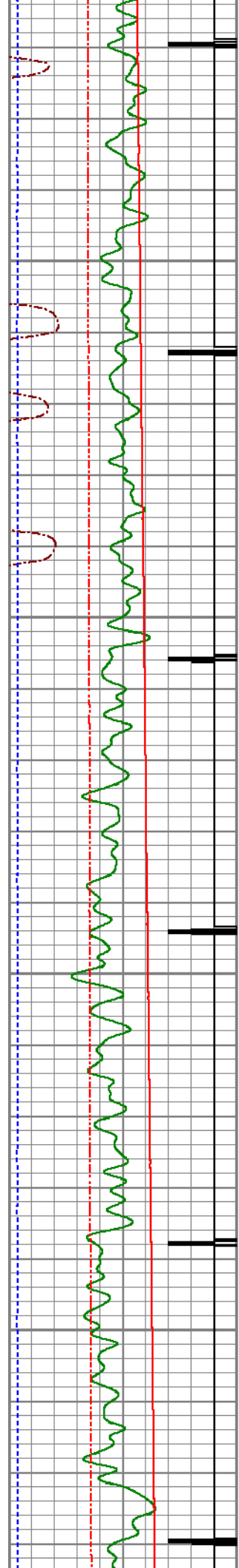
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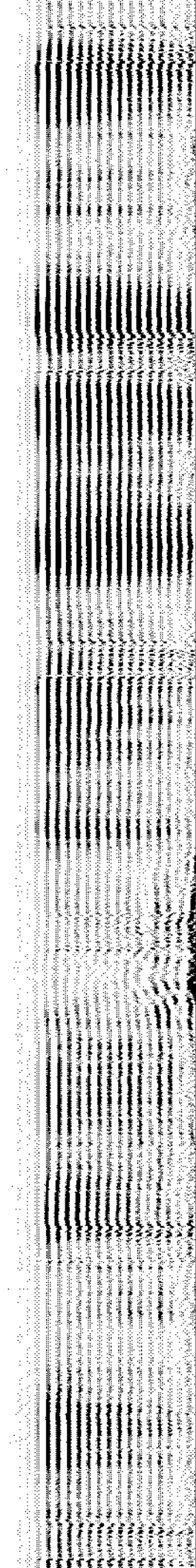
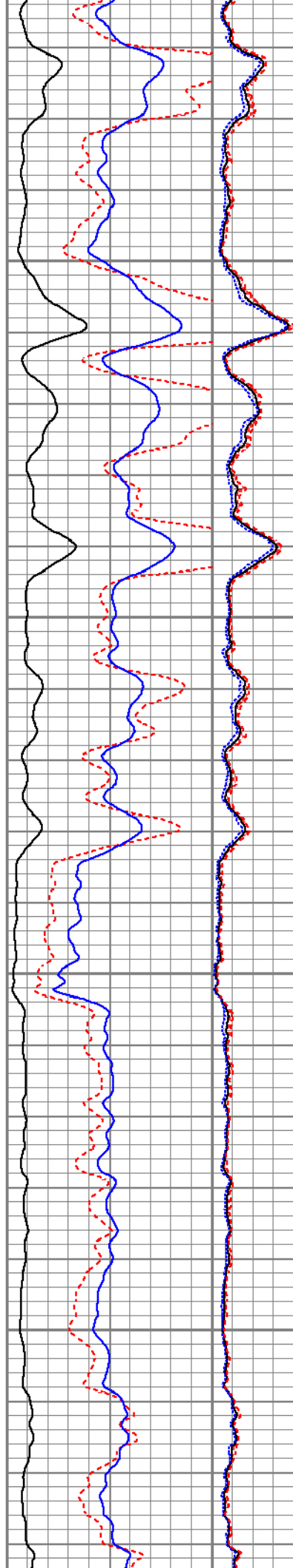


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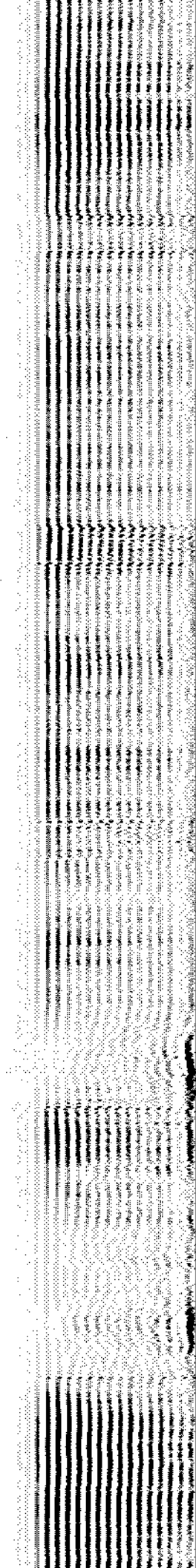
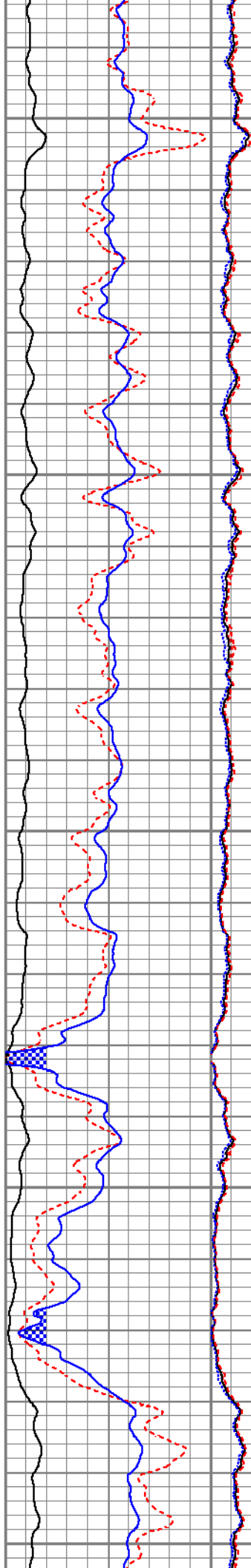
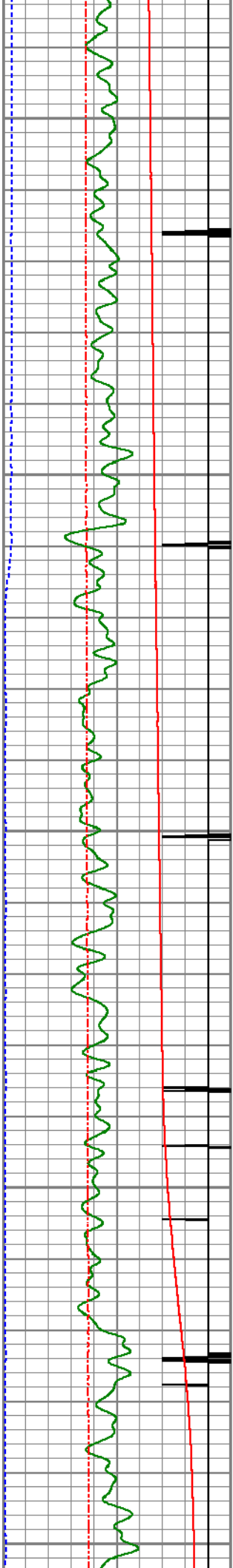
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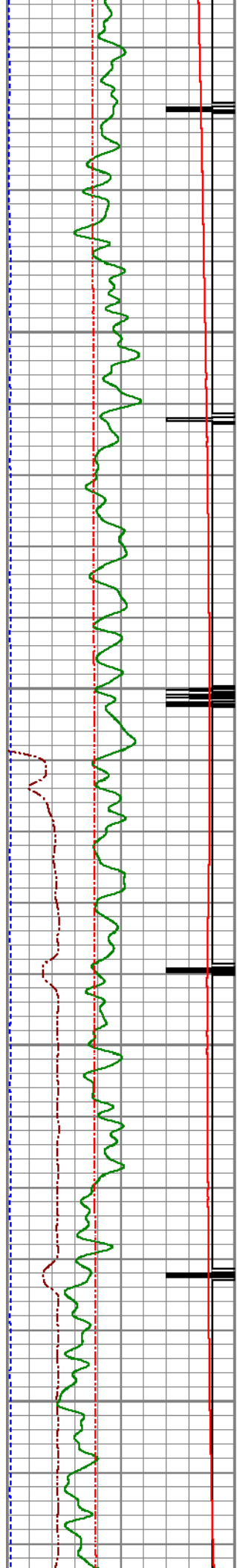
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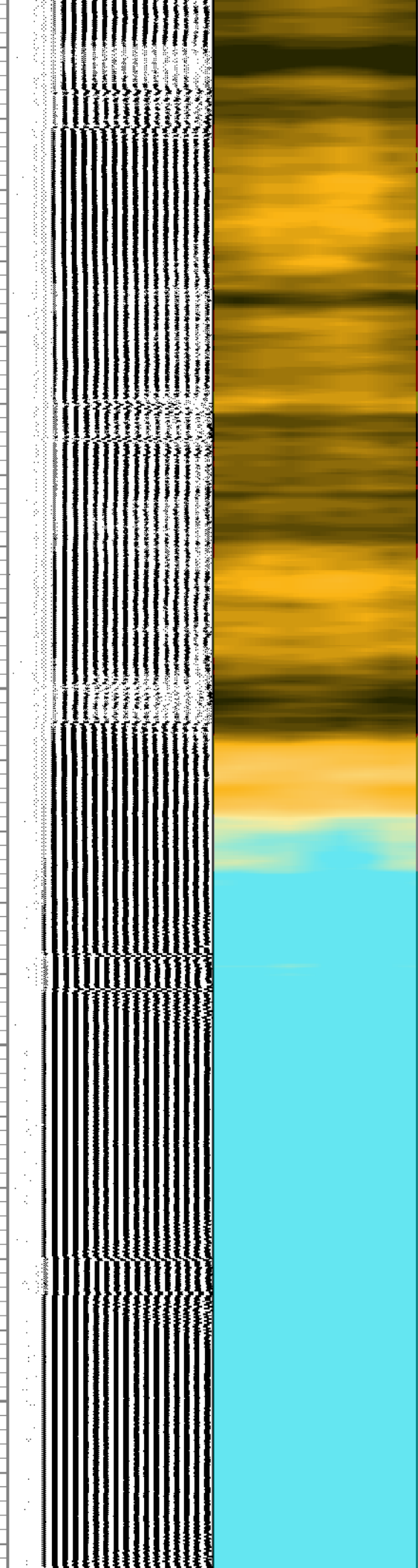
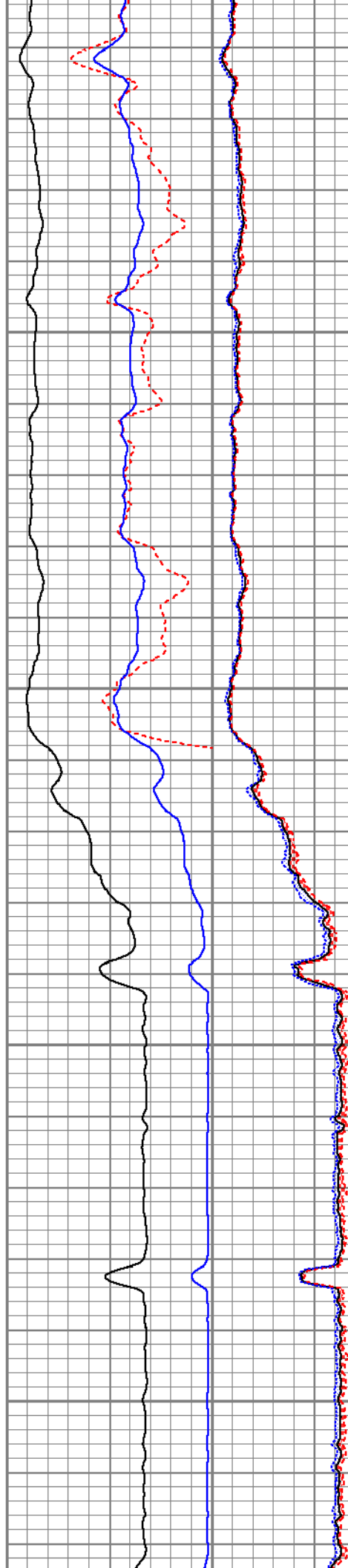


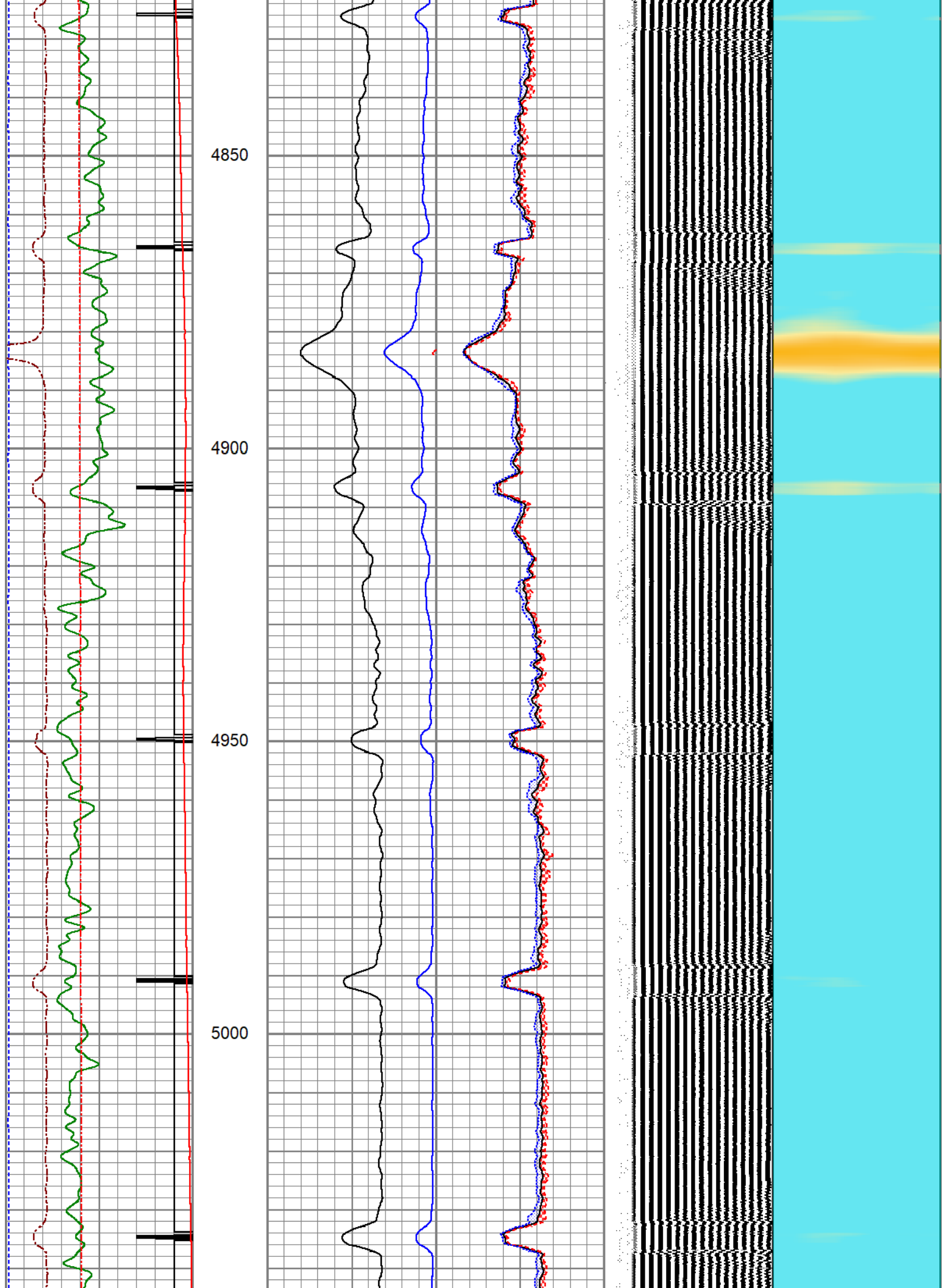
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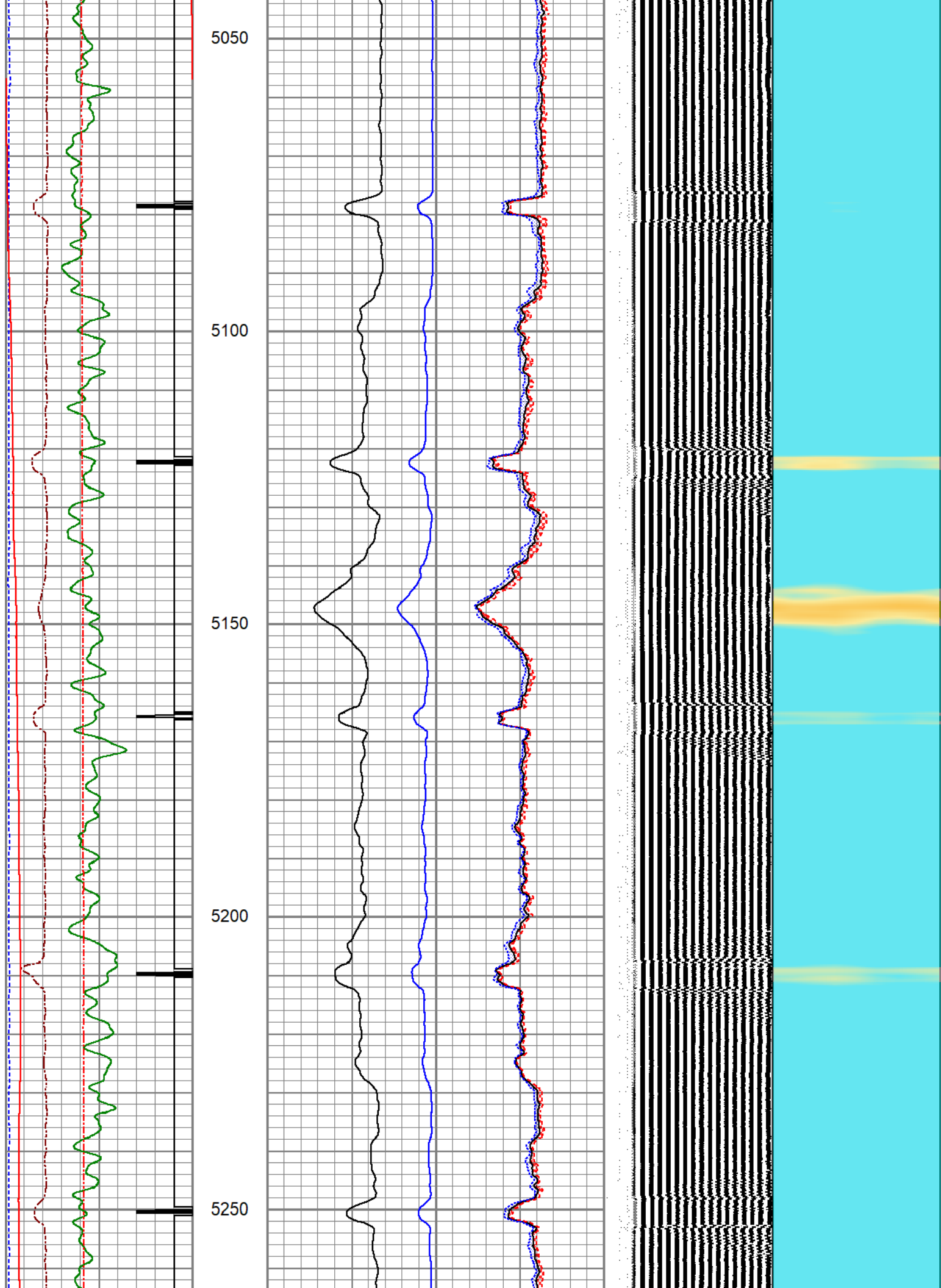
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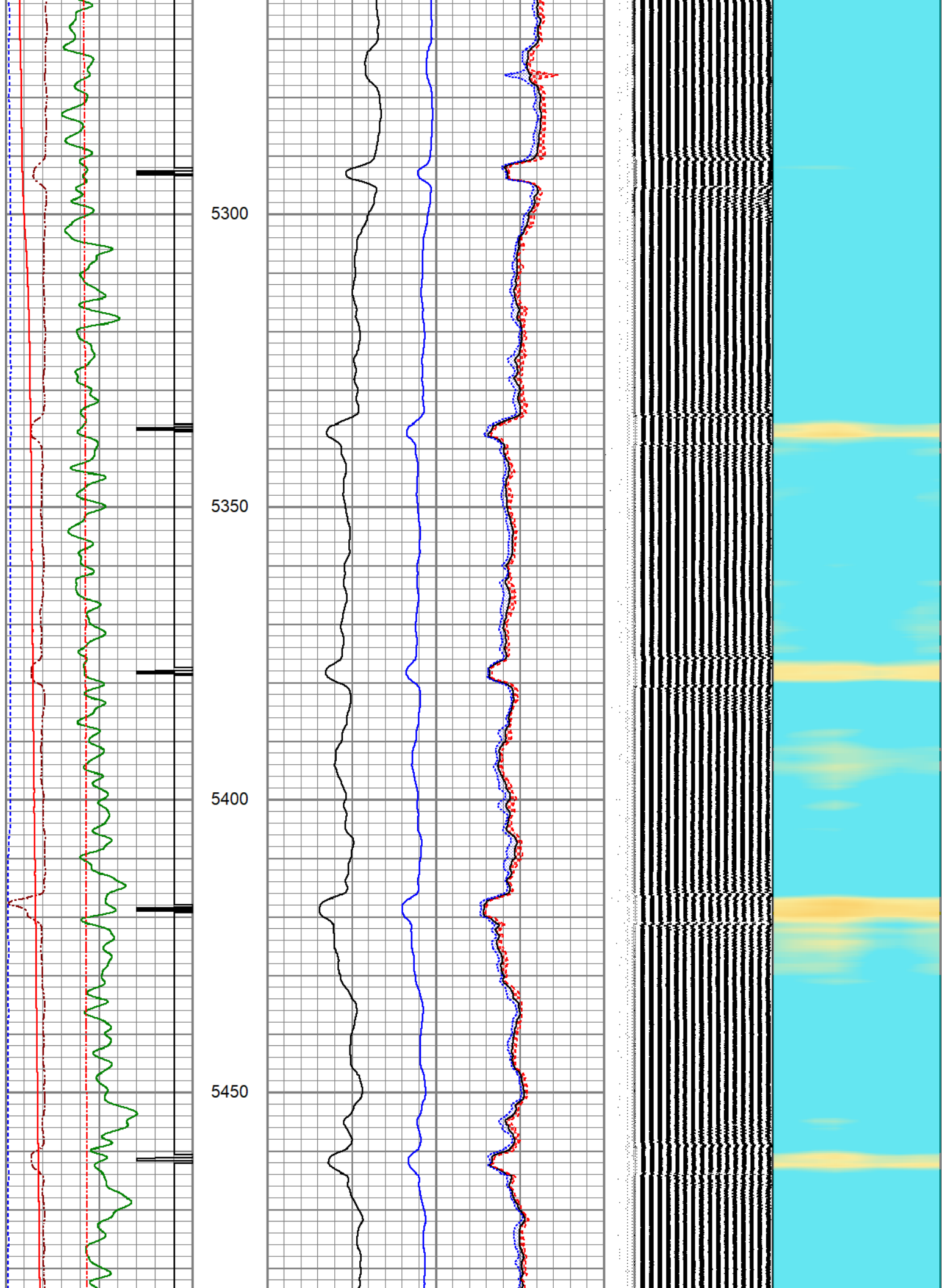


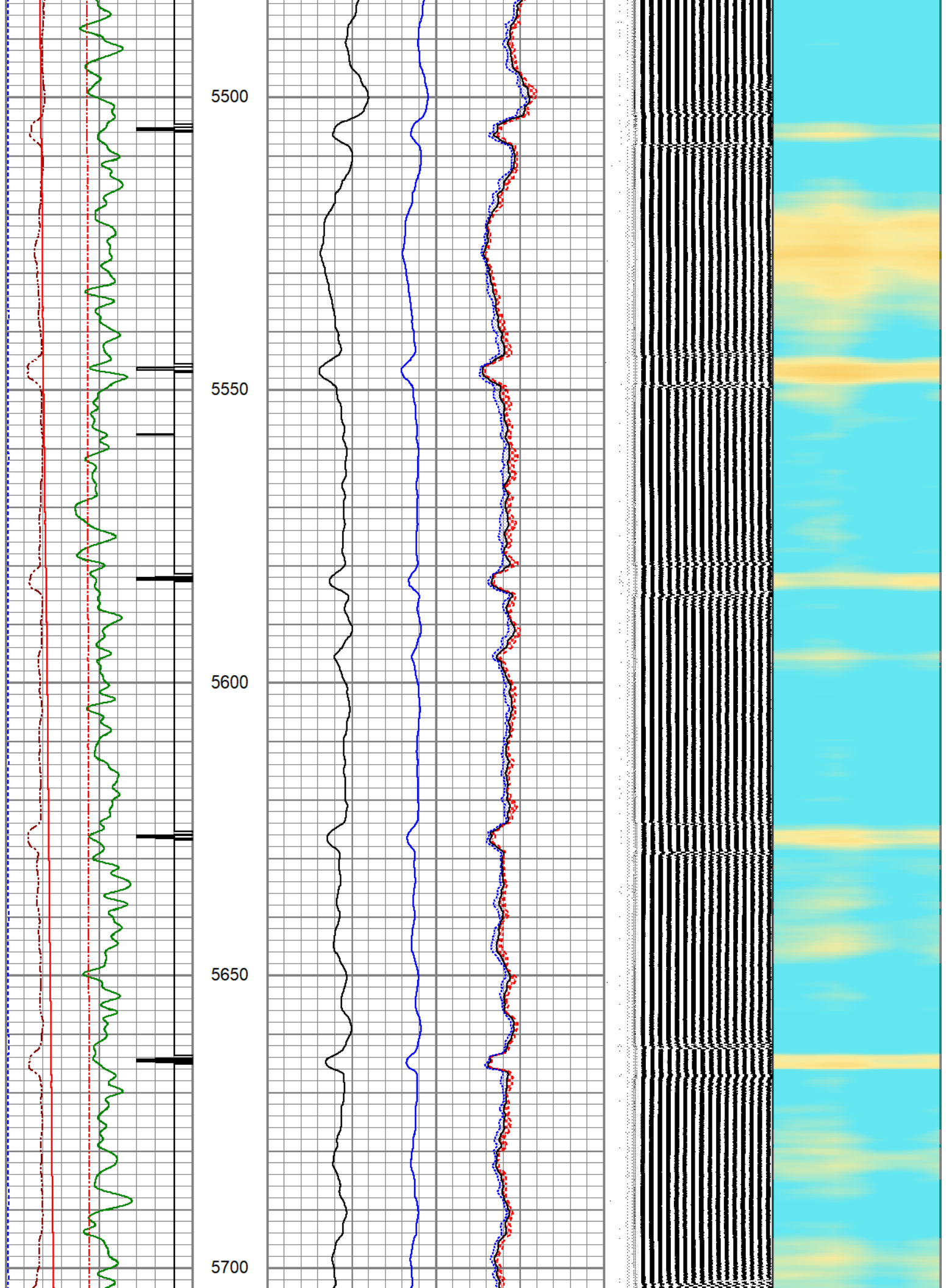


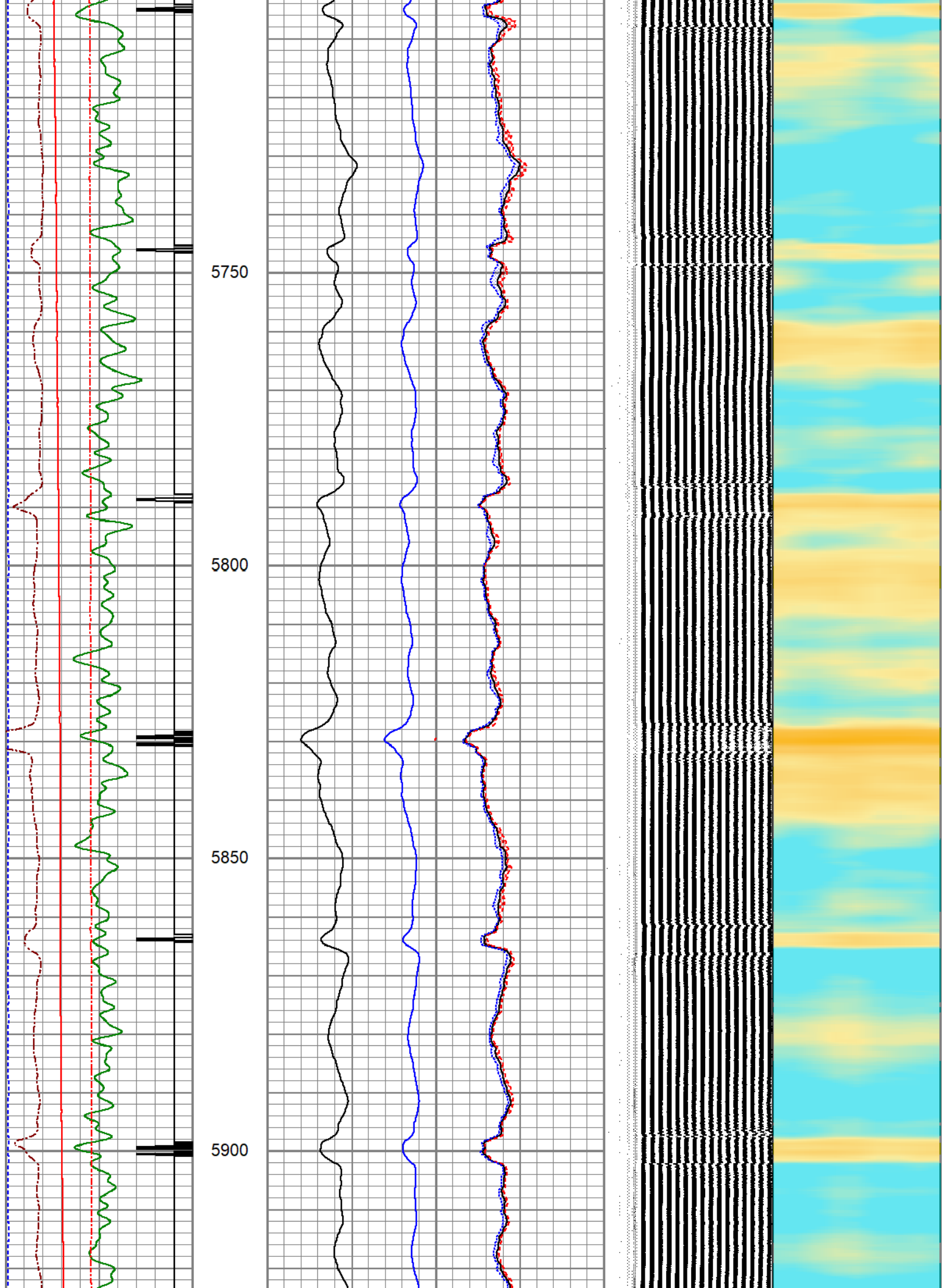


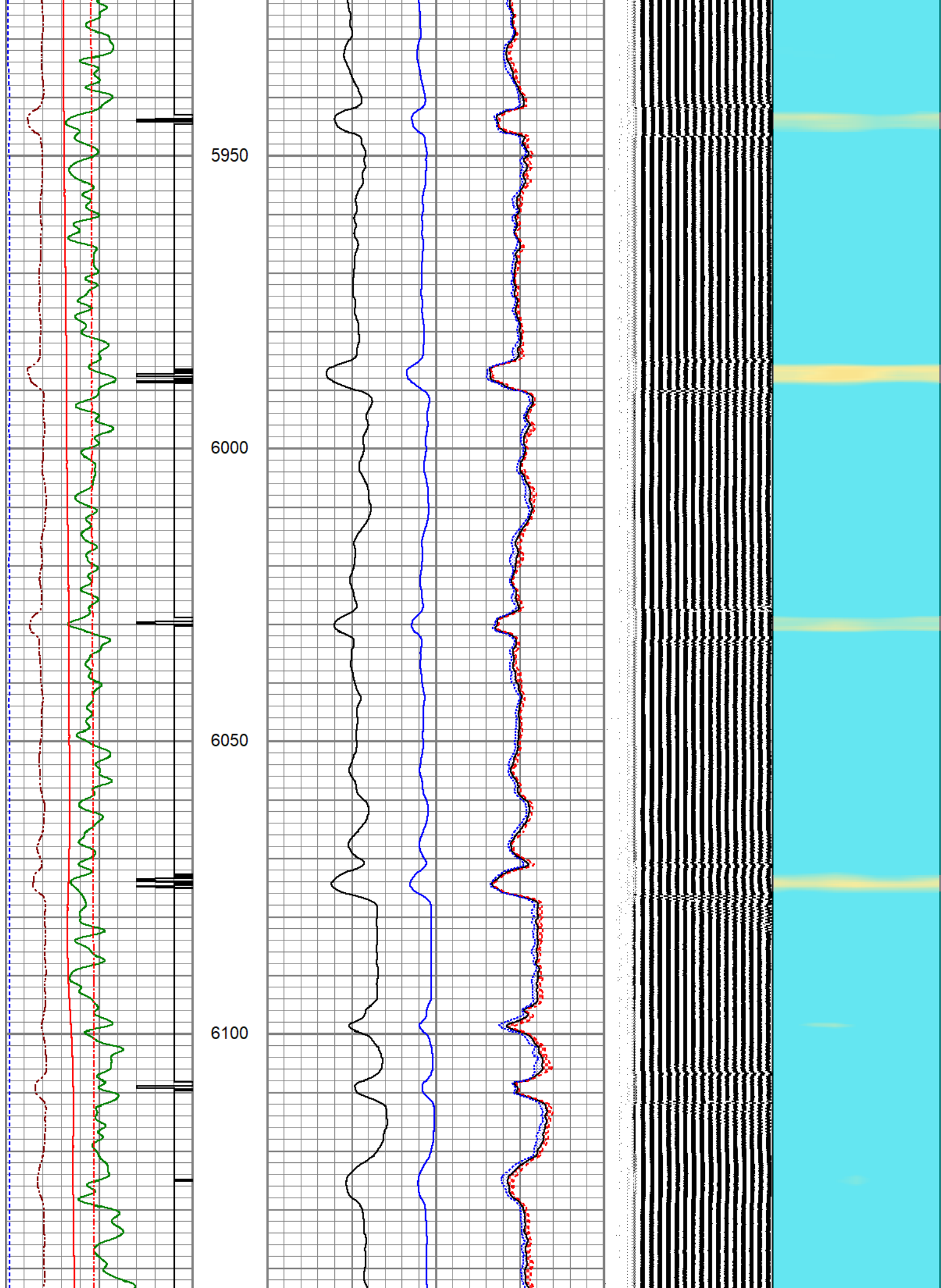




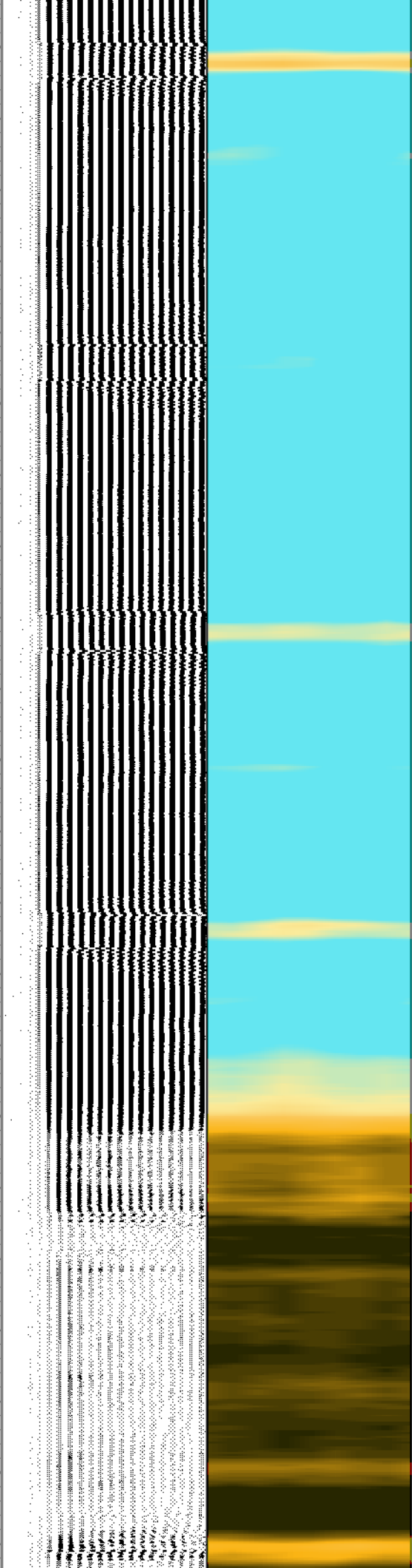
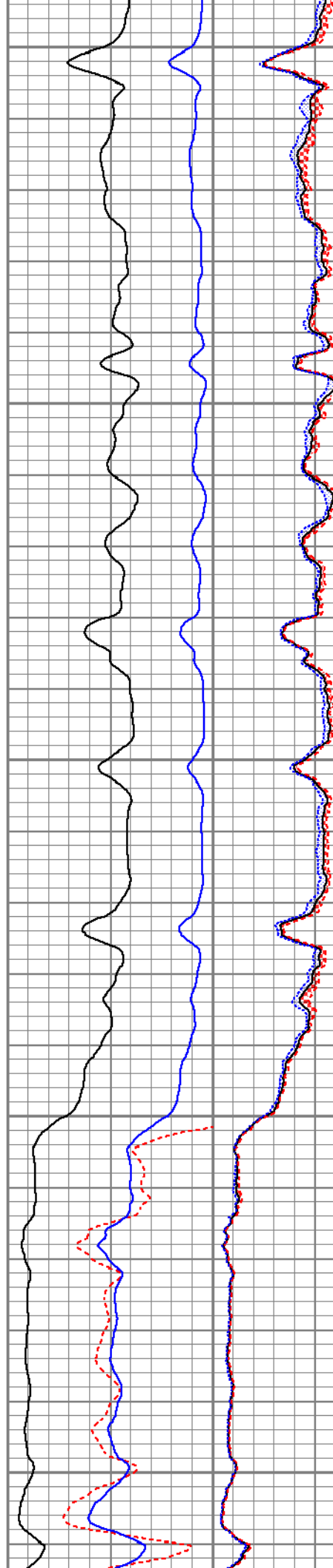
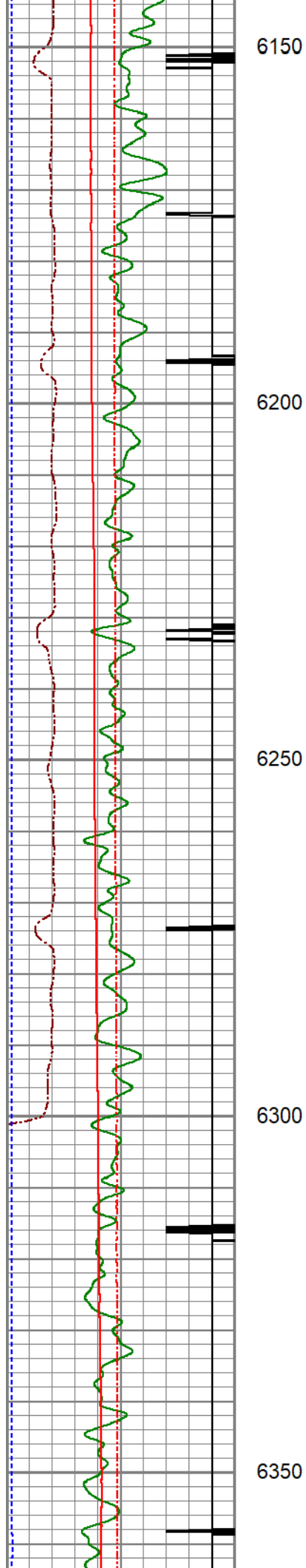


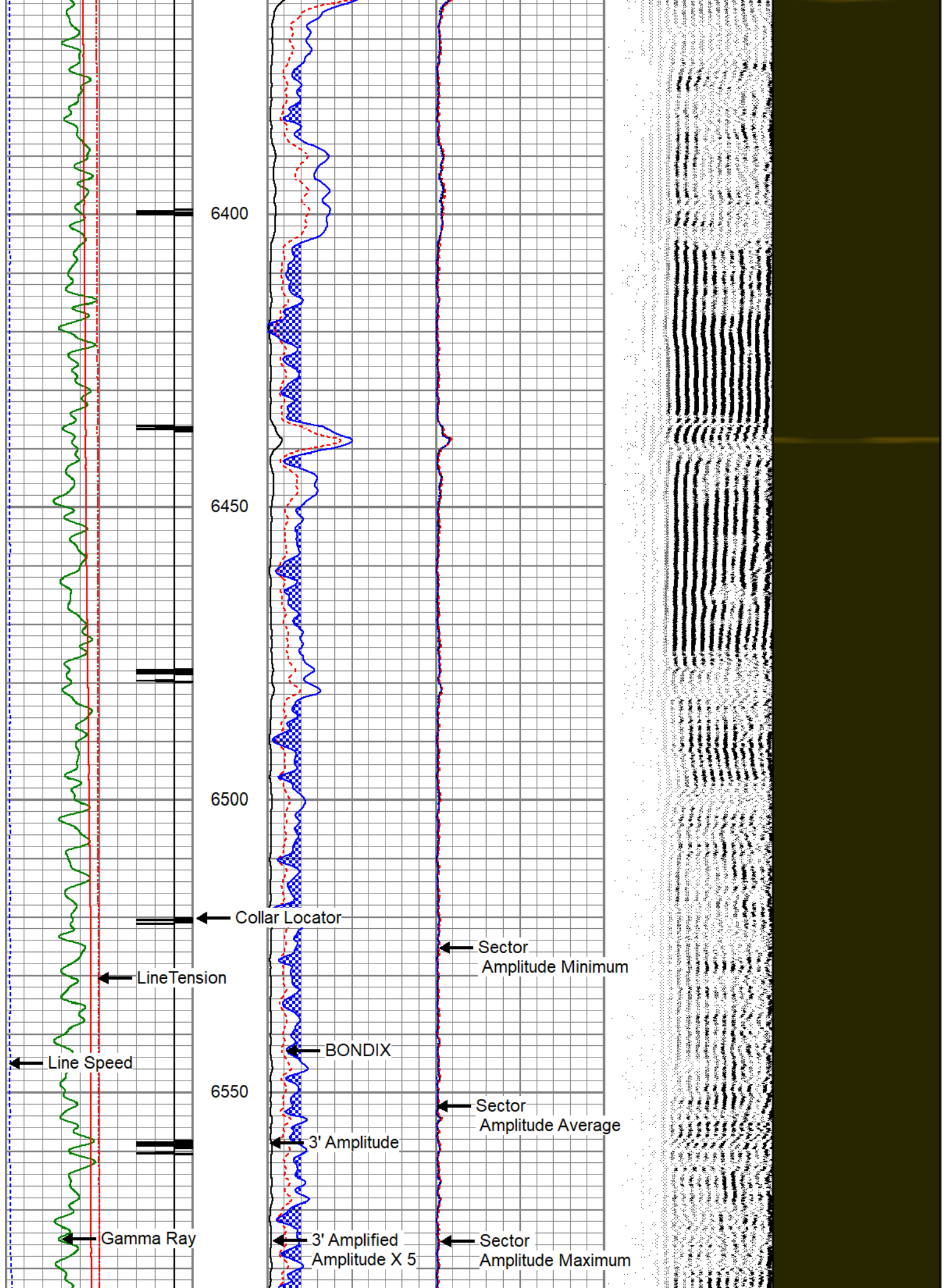


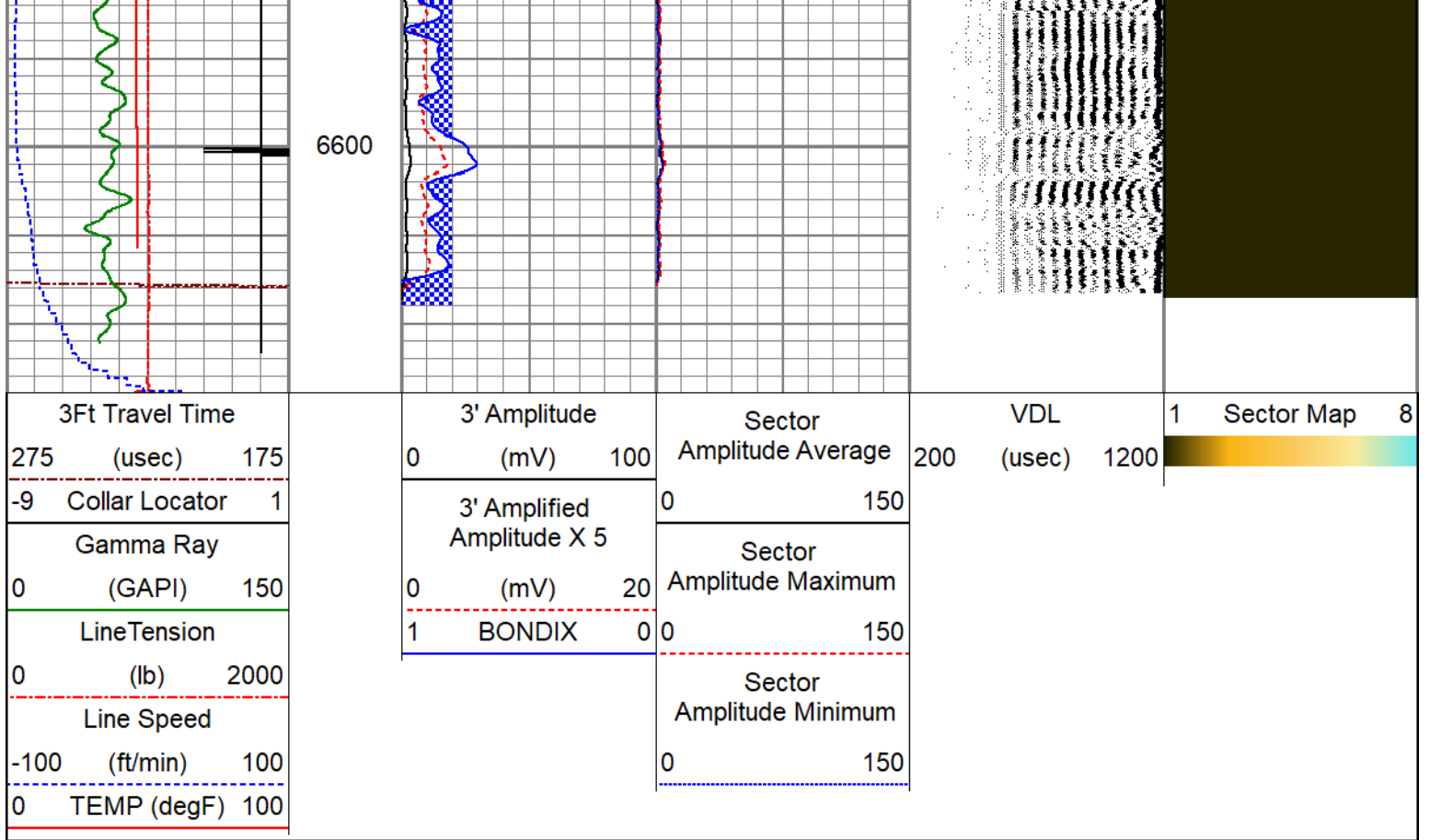








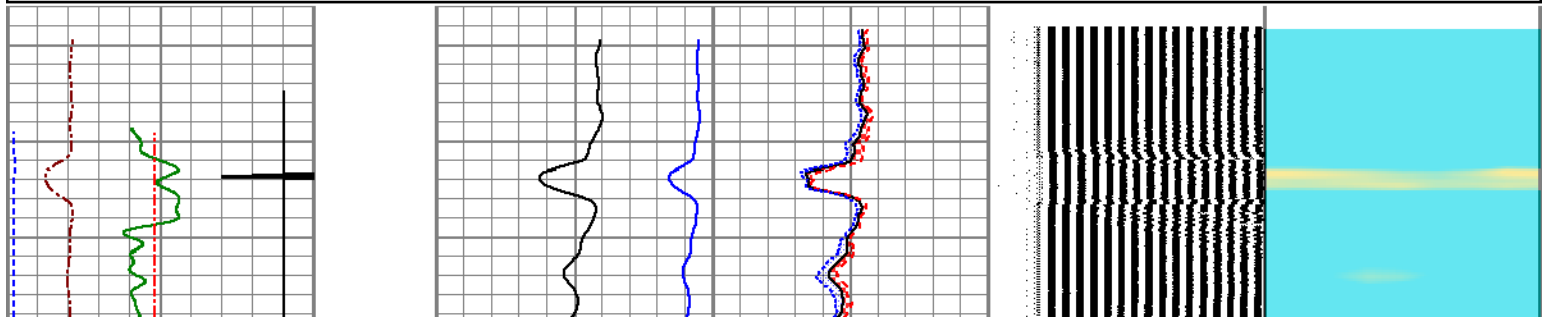
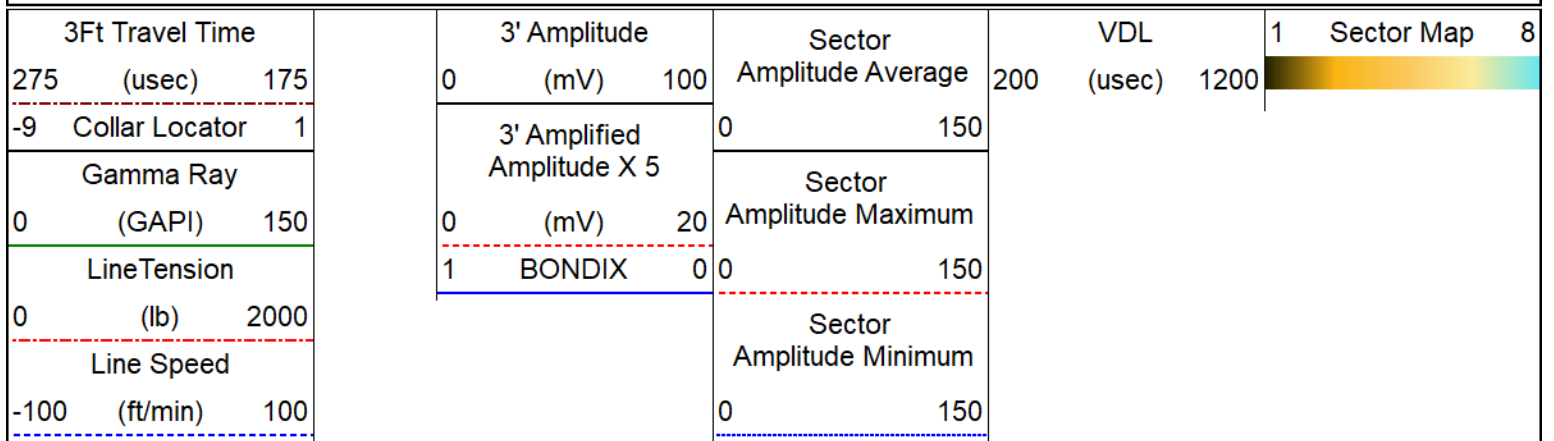


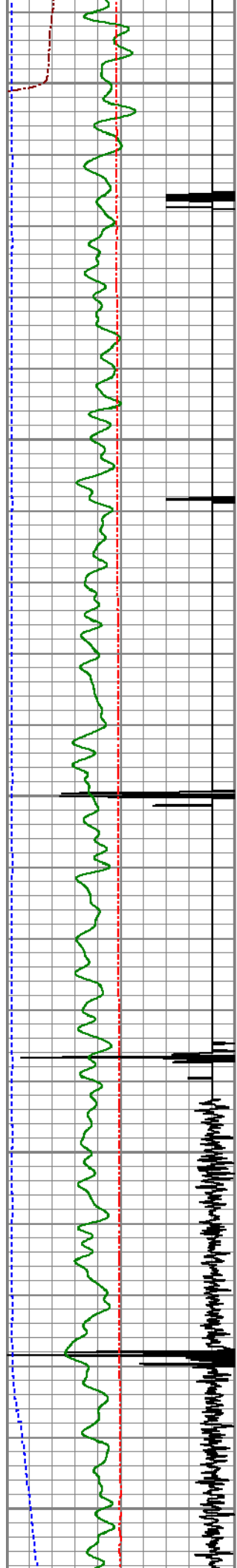


## REPEAT SECTION

ZERO PSI APPLIED AT SURFACE

Database File anadarko\_uprr39 pan am f 1\_6-14-22\_rcbl.db  
Dataset Pathname pass4  
Presentation Format pinr\_scbl  
Dataset Creation Tue Jun 14 16:11:24 2022  
Charted by Depth in Feet scaled 1:240





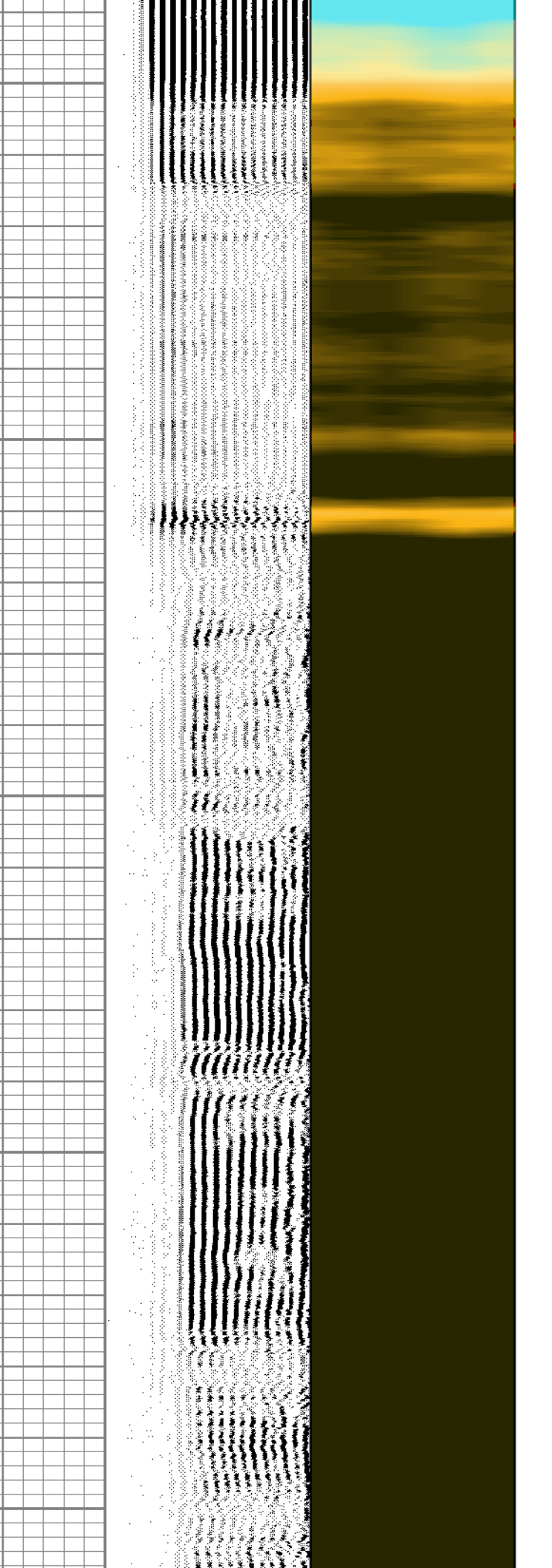
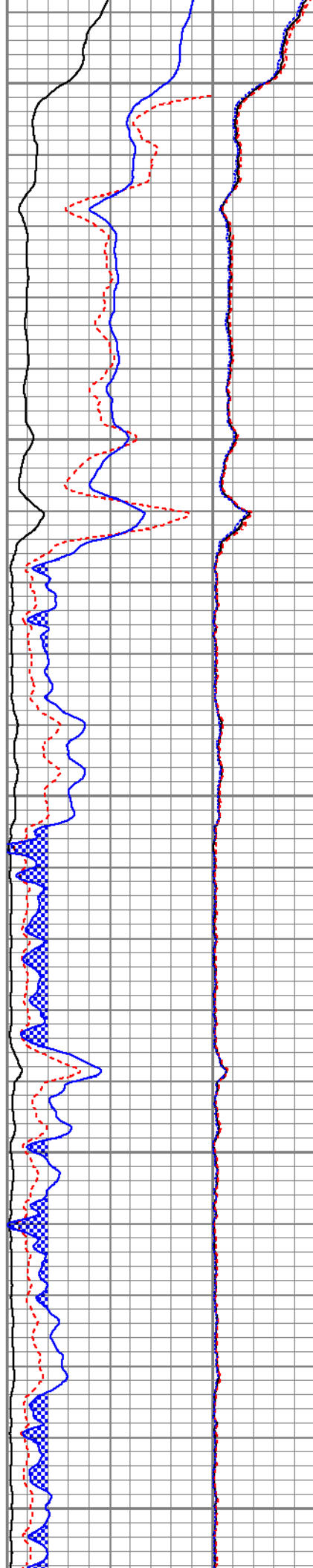
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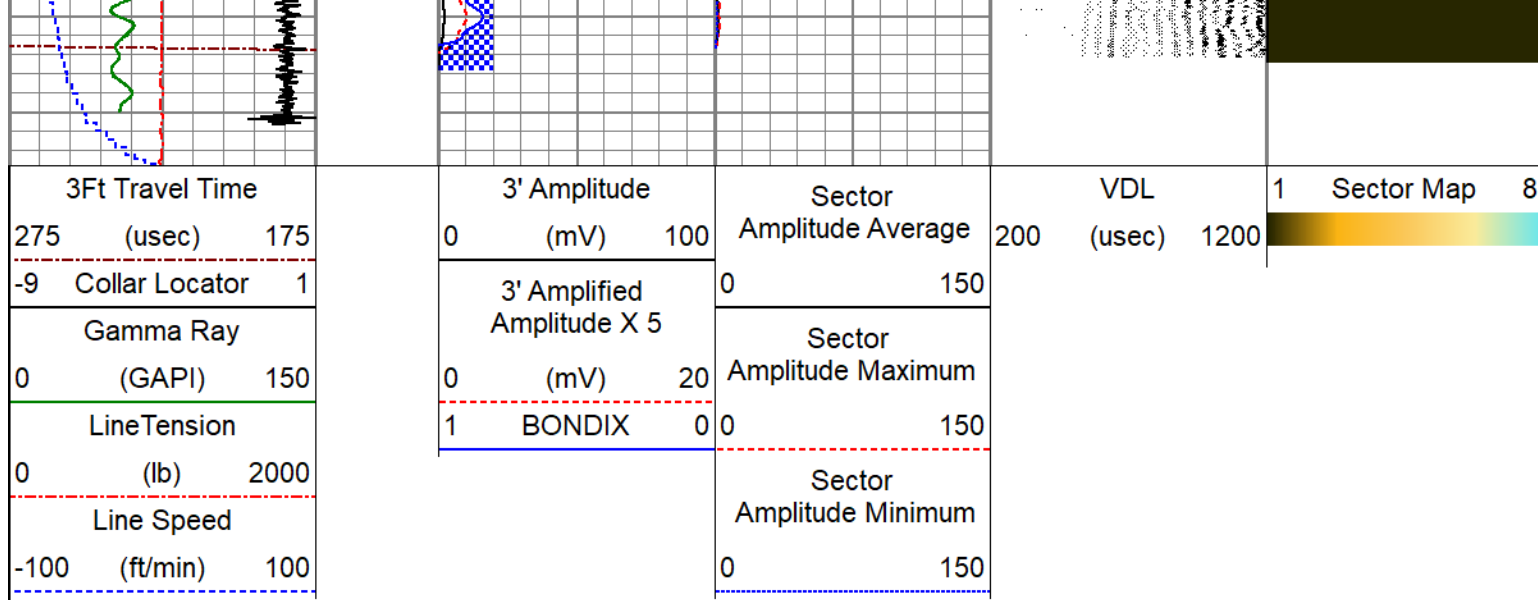
6400

6450

6500







Calibration Report		
Database File	anadarko_uprr39 pan am f 1_6-14-22_rcbl.db	
Dataset Pathname	pass6	
Dataset Creation	Tue Jun 14 17:27:58 2022	

Gamma Ray Calibration Report		
Serial Number:	FW1404-109	
Tool Model:	275_6-PIN	
Performed:	Tue Jun 14 14:35:04 2022	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9000	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	070230	
Tool Model:	RBL-DCT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	6125.724	ft

Master Calibration, performed Tue Jun 14 16:07:55 2022:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.021	1.188	0.800	71.921	60.927	-0.467
CAL	1.501	1.475				
5'	0.021	0.887	0.800	71.921	82.077	-0.908
SUM						
S1	0.029	1.095	0.000	100.000	93.756	-2.694
S2	0.020	1.124	0.000	100.000	90.565	-1.815
S3	0.022	1.222	0.000	100.000	83.348	-1.841
S4	0.022	1.293	0.000	100.000	78.635	-1.712
S5	0.023	1.288	0.000	100.000	79.047	-1.789
S6	0.022	1.227	0.000	100.000	82.968	-1.819
S7	0.021	1.161	0.000	100.000	87.755	-1.881
S8	0.023	1.095	0.000	100.000	93.251	-2.149

Air Zero Calibration, performed Tue Jun 14 14:33:21 2022:

	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

#### Temperature Calibration Report

Serial Number: 070230  
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	ANADARKO PETROLEUM CORP		
Well	UPRR 39 PAN AM F 1		
Field	WATTENBERG		
County	WELD	State	CO