



FILE NO:

COMPANY

LARAMIE ENERGY

WELL

BRUTON 19-18E

FIELD

VEGA

API NO:  
05077103690000

COUNTY

MESA

STATE COLORADO

Ver. 4.06

LOCATION:

SHL: LAT:39.255232N; LONG:107.806537W

OTHER SERVICES

RPM

BHL: LAT:39.257858N; LONG:107.807052W  
SEC 19 TWP 9S RGE 93WPERMANENT DATUM GL ELEVATION 7425 FT  
LOG MEASURED FROM KB 24 FT ABOVE P.D.  
DRILL. MEAS. FROM KBELEVATIONS:  
KB 7449 FT  
DF 7448 FT  
GL 7425 FT

DATE 20-AUG-2017

RUN

TRIP

1

1

SERVICE ORDER US126717

DEPTH DRILLER 7728 FT

DEPTH LOGGER 7644 FT

BOTTOM LOGGED INTERVAL 7644 FT

TOP LOGGED INTERVAL 24 FT

TIME STARTED 10:00

TIME FINISHED 13:00

OPERATOR RIG TIME 3 HOURS

TYPE OF FLUID IN HOLE WATER

FLUID DENSITY NA

FLUID SALINITY NA

FLUID LEVEL 50 FT

LOGGED CEMENT TOP 2267 FT

WELLHEAD PRESSURE 0 PSI

MAXIMUM HOLE DEVIATION NA

NOMINAL LOGGING SPEED 100 F/MN

MAX. RECORDED TEMP. 239 DEGF

REFERENCE LOG NA

REFERENCE LOG DATE NA

EQUIP. NO. LOCATION

RECORDED BY S.YASSA

WITNESSED BY MR. CHUCK MALLARY

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

## REMARKS

RUN 1 TRIP 1: \*2 OPERATIONS IN WELL\*

\*\*OPERATION 1: RAL/GR/CCL RUN CENTRALIZED\*\*

LOGGED WITH 0 PSI ON WELLHEAD

SJ: 5808' - 5827'

SJ: 6803' - 6823'

CREW: D.HUTCHINSON, J.PENA

## EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	RAL	1426XA	10218496	CENTRALIZED
1	1	GAMMA RAY	1355XA	12670180	CENTRALIZED

# MAIN PASS 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013

Updates: 1 Patches: 9

Plotted: Sun Aug 20 12:38:58 2017

## PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/LARAMIE\_BRUTON\_19\_18E/n012g02.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 12.750 ft BOTTOM DEPTH: 7718.804 ft

### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ( )	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ( )	medium (1)		"	"
TRAVEL TIME	FILTER ( )	medium (1)		"	"

### RAL CCL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

### ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	189	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	189	us	"	"
	AMP WINDOW START (fgp3*)	189	us	"	"
	AMP WINDOW START (fgp4*)	189	us	"	"
	AMP WINDOW START (fgp5*)	189	us	"	"
	AMP WINDOW START (fgp6*)	189	us	"	"
	AMP WINDOW START (fgp7*)	189	us	"	"
	AMP WINDOW START (fgp8*)	189	us	"	"
	AMP WINDOW START (fgpn*)	189	us	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-64	us	TOP	726.250
		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
	TOOL DELAY (str2*)	-64	us	TOP	726.250
		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
	TOOL DELAY (str3*)	-64	us	TOP	726.250
		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
	TOOL DELAY (str4*)	-64	us	TOP	726.250
		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
	TOOL DELAY (str5*)	-64	us	TOP	726.250
		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
	TOOL DELAY (str6*)	-64	us	TOP	726.250

		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
	TOOL DELAY (str7*)	-64	us	TOP	726.250
		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
	TOOL DELAY (str8*)	-64	us	TOP	726.250
		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
	TOOL DELAY (strn*)	-64	us	TOP	726.250
		-63	us	726.250	734.000
		-62	us	734.000	735.000
		-61	us	735.000	4755.500
		-62	us	4755.500	5068.500
		-63	us	5068.500	BOTTOM
BASLINE NOISE (NEAR)	NOISE WINDOW START	125	us	TOP	BOTTOM
	NOISE WINDOW LENGTH	25	us	"	"

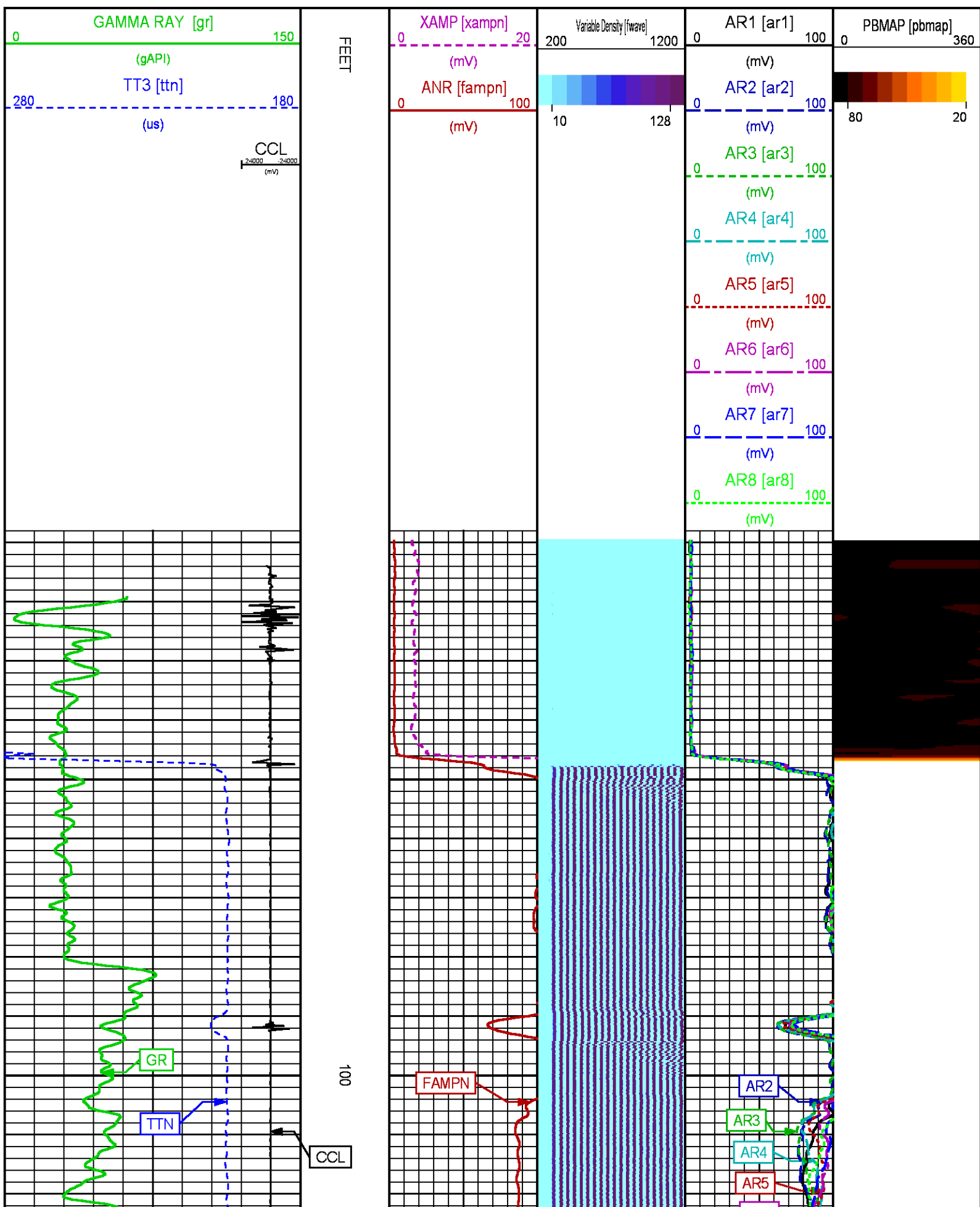
PERCENT BOND CEMENT MAP					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE AMP REC 8	80	mV	"	"
RAL FULL BOND AMPLITUDE	FULL BOND AMP REC 1	2	mV	"	"
	FULL BOND AMP REC 2	2	mV	"	"
	FULL BOND AMP REC 3	2	mV	"	"
	FULL BOND AMP REC 4	2	mV	"	"
	FULL BOND AMP REC 5	2	mV	"	"
	FULL BOND AMP REC 6	2	mV	"	"
	FULL BOND AMP REC 7	2	mV	"	"
	FULL BOND AMP REC 8	2	mV	"	"

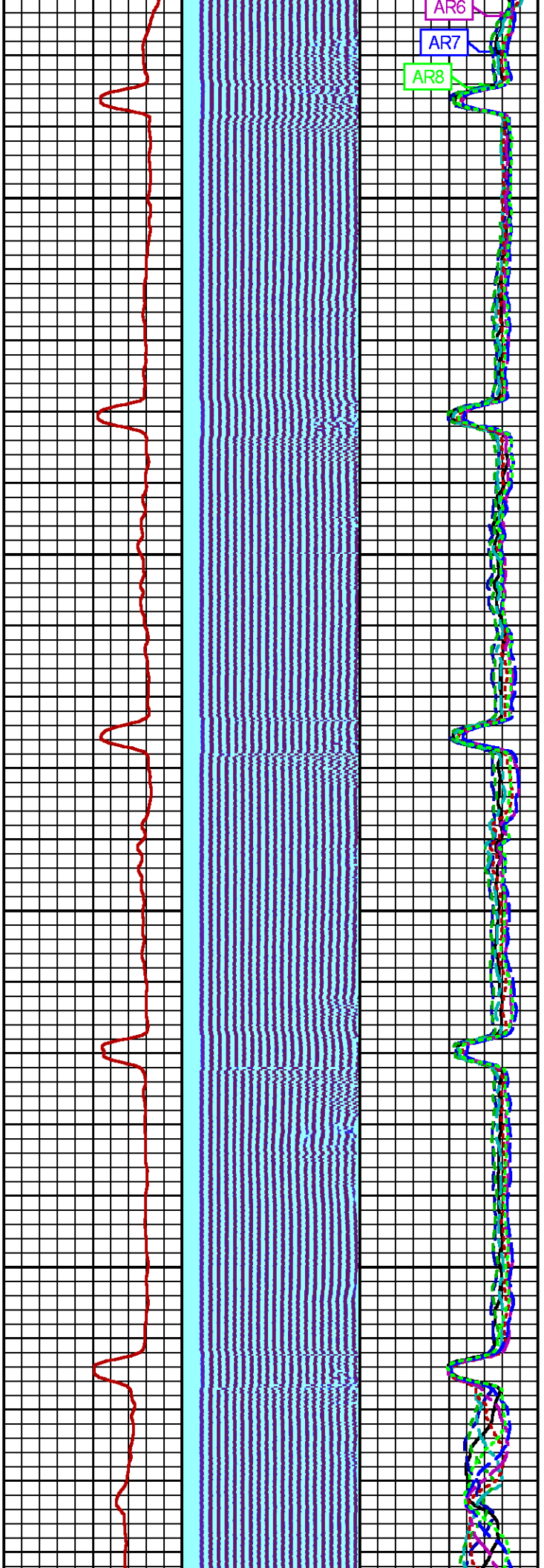
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE T-R1
F1:AR2	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE T-R2
F1:AR3	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE T-R3
F1:AR4	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE T-R4
F1:AR5	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE T-R5
F1:AR6	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE T-R6
F1:AR7	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE T-R7
F1:AR8	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE T-R8
F1:CCL	Aug 20 10:58:20 2017	CASING COLLAR LOCATOR
F1:FAMPN	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Aug 20 10:58:20 2017	FAR WAVE FORM
F1:GR	Aug 20 10:58:20 2017	GAMMA RAY
F1:PBMAP	Aug 20 10:58:20 2017	PERCENT BOND CEMENT MAP
F1:TTN	Aug 20 10:58:20 2017	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Aug 20 10:58:20 2017	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	11.25	AR5	11.25	CCL	5.75	XAMPN	11.25
AR2	11.25	AR6	11.25	FAMPN	11.25		
AR3	11.25	AR7	11.25	GR	1.75		
AR4	11.25	AR8	11.25	TTN	11.25		

Presentation	: cpu100:/dat1a/LARAMIE_BRUTON_19_18E/BRUTON_19_18E_RAL_MAIN.fvpdf [5"/100' Scale]
Plot Interval	: 9.5 - 7722.25 Feet
Data File 1	: F1 : cpu100:/dat1a/LARAMIE_BRUTON_19_18E/BRUTON_19_18E_RAL_MAIN.xtf
Created On	: Aug 20 10:58:20 2017

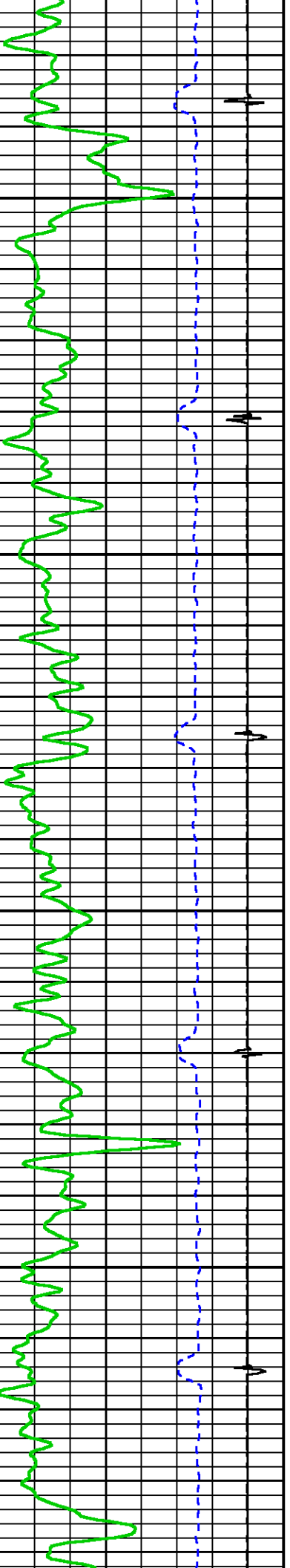
Company : LARAMIE ENERGY  
Well : BRUTON 19-18E  
Field : MESA  
File Interval : 8.5 - 7723.5 Feet  
OCT : n012g

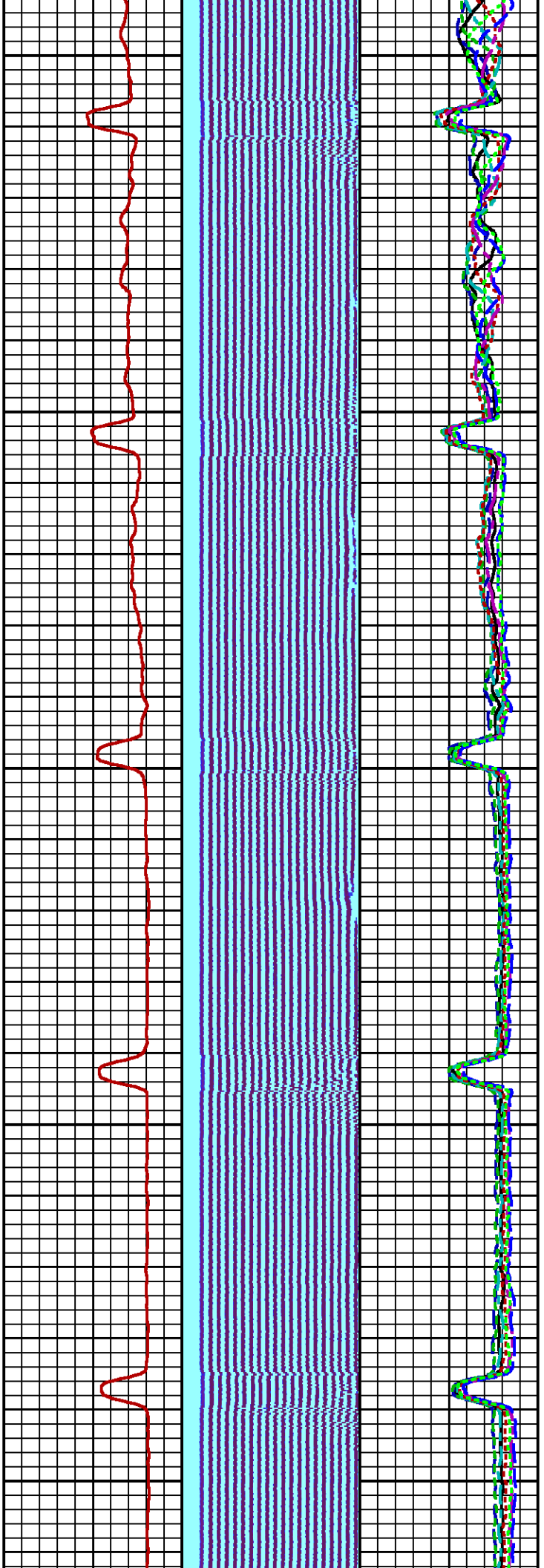




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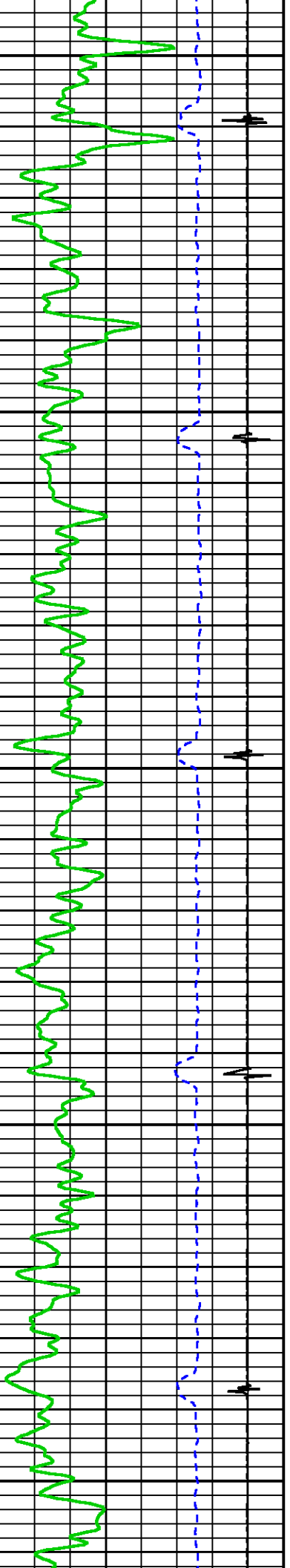
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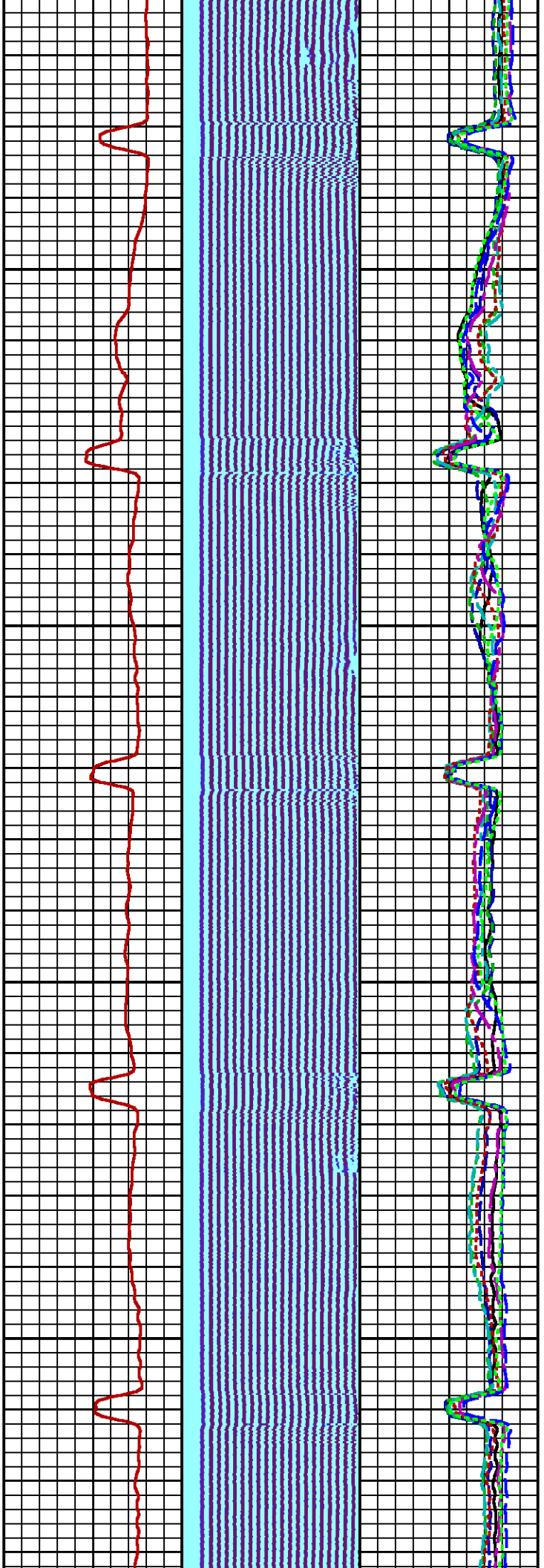


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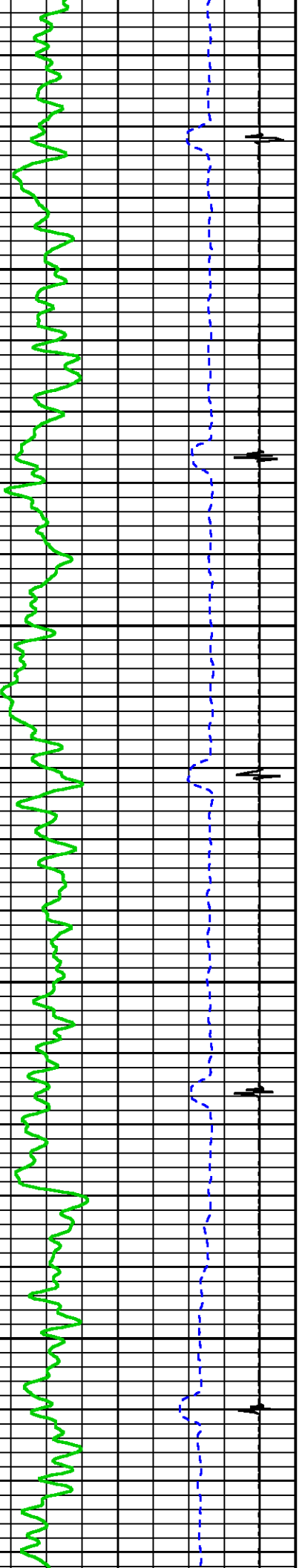


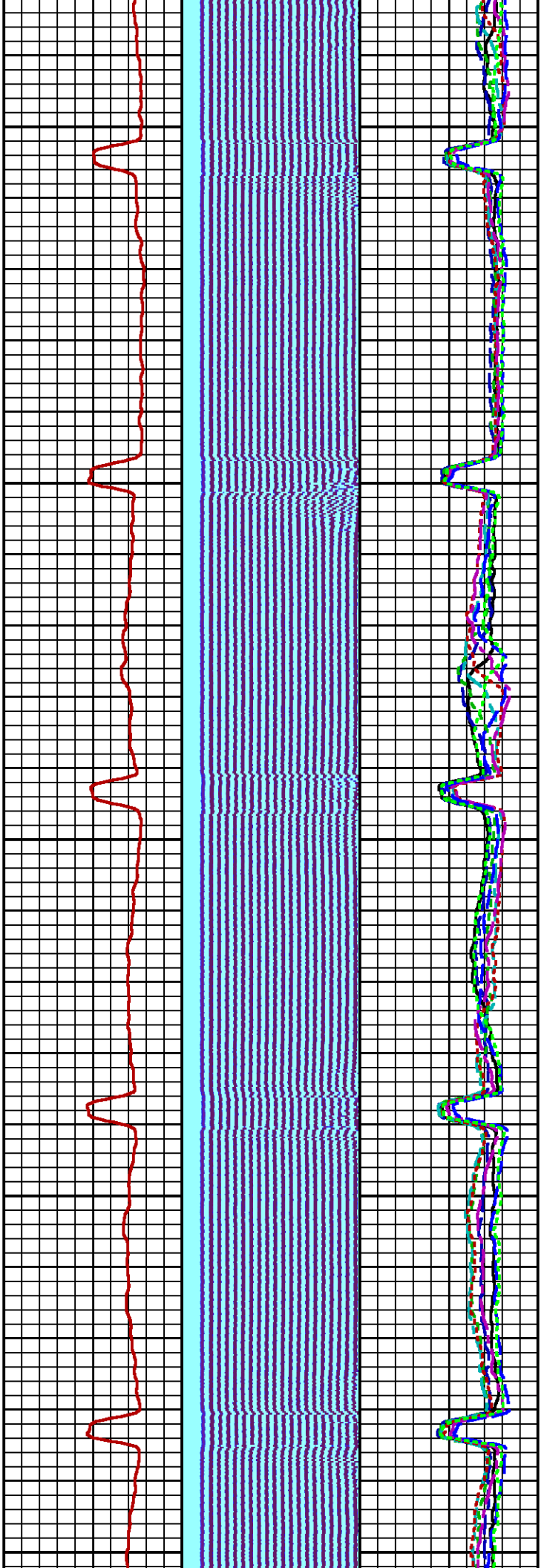




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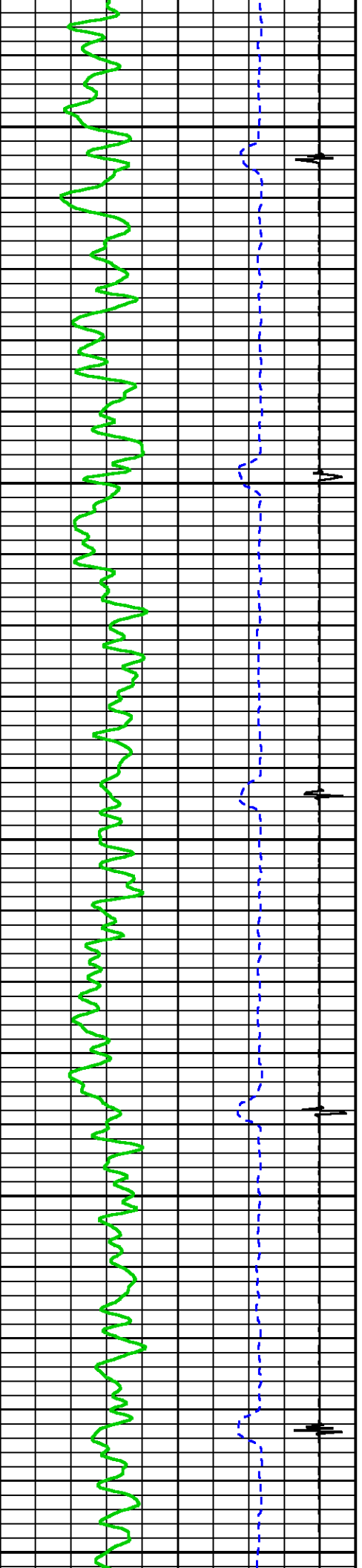




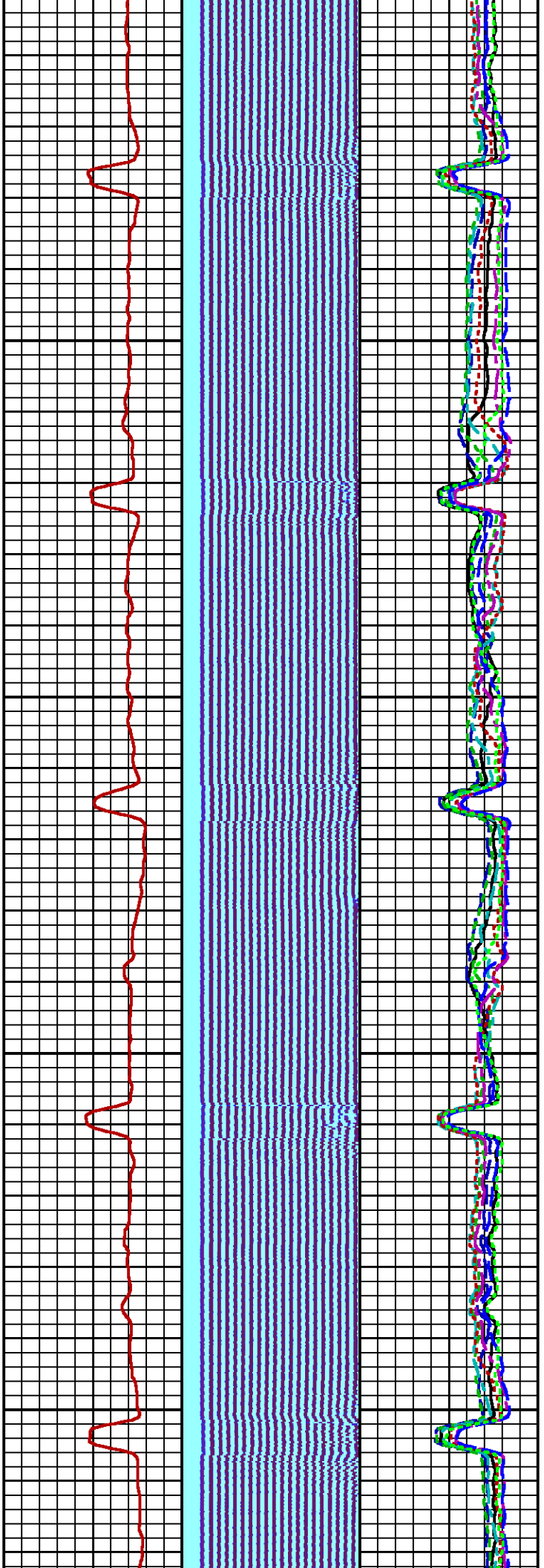
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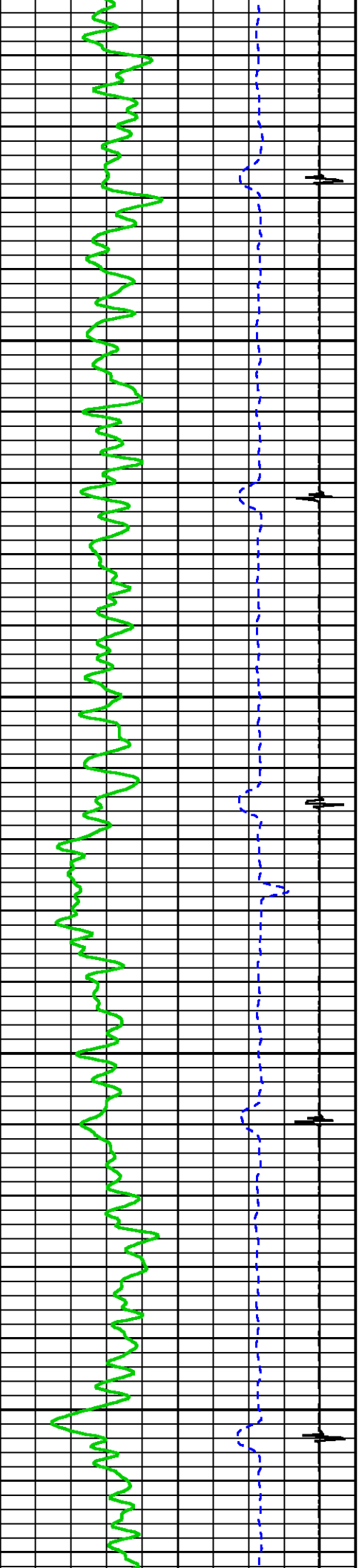


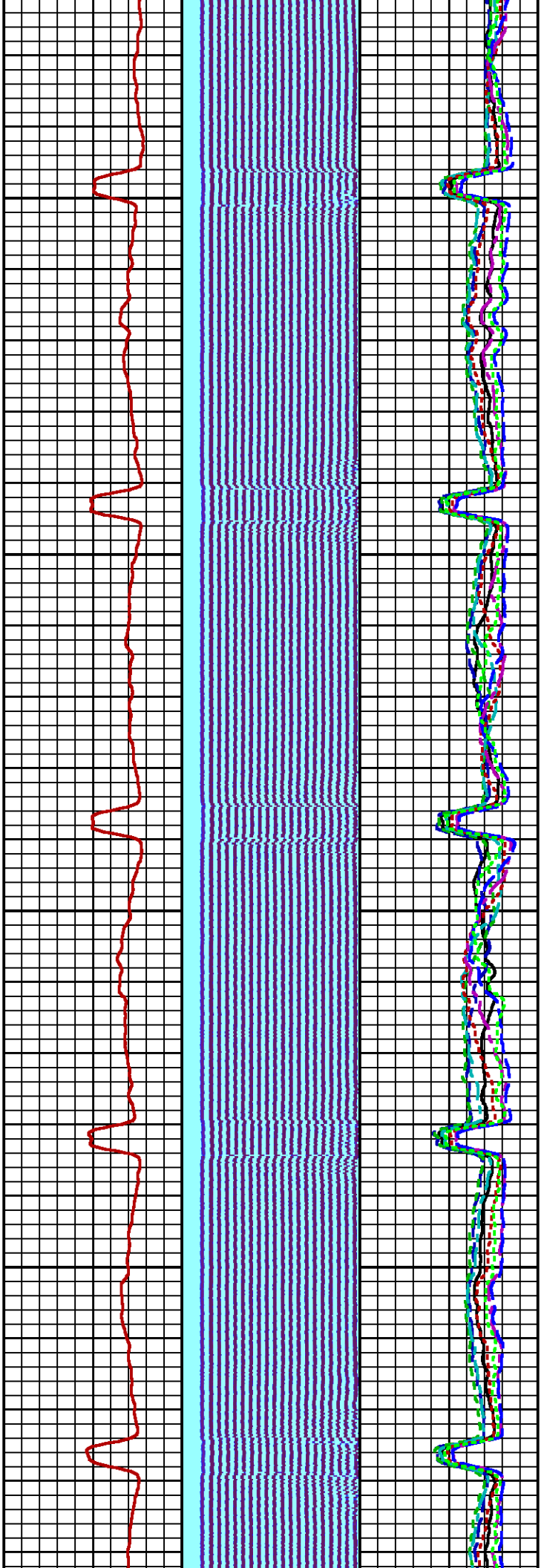




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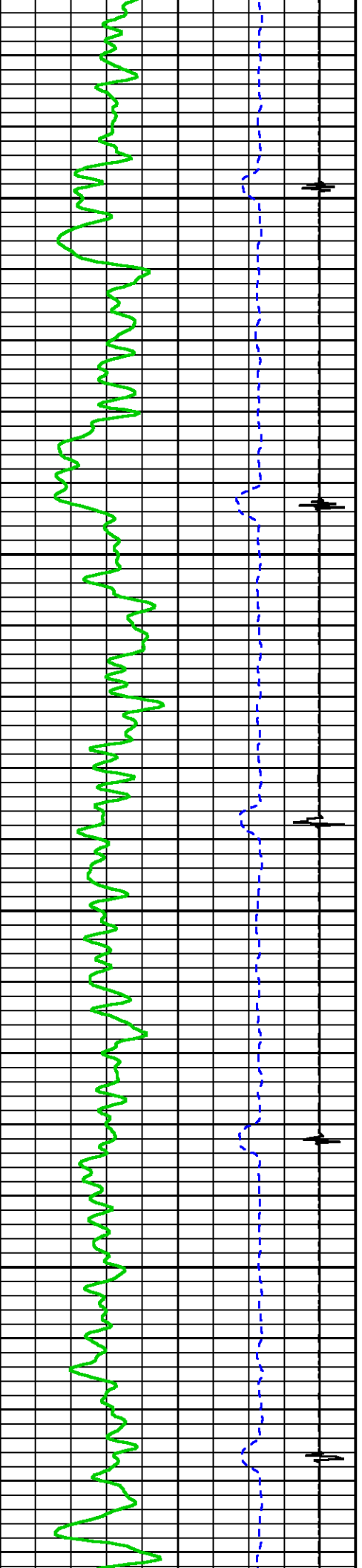
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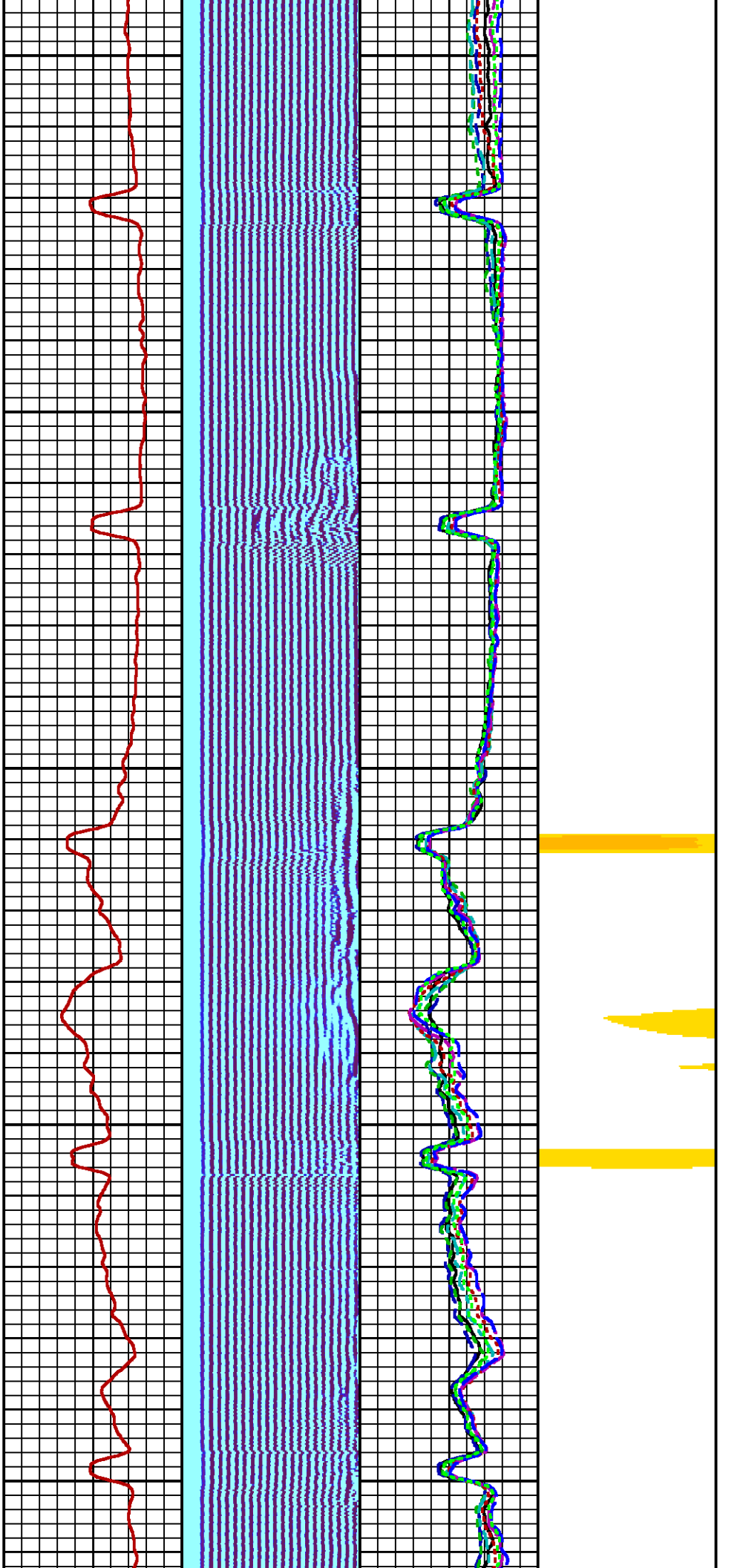




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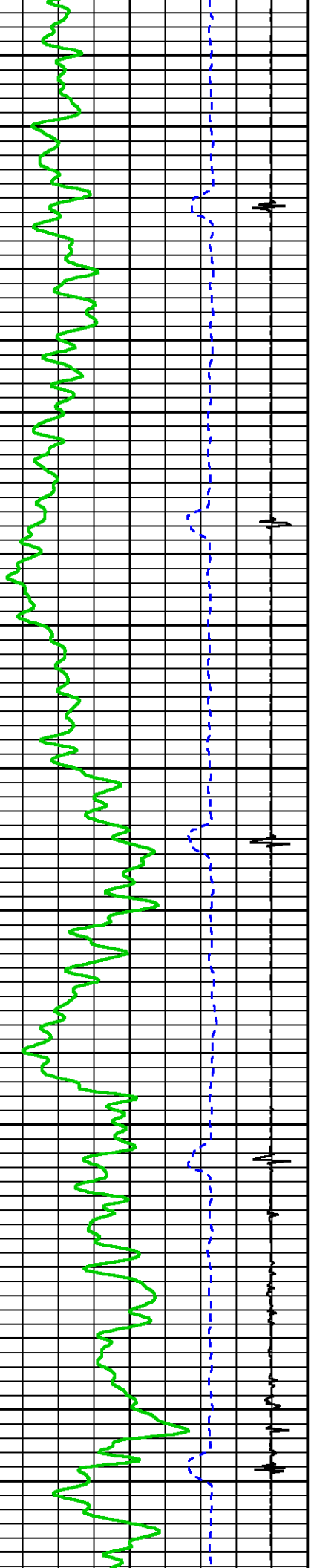
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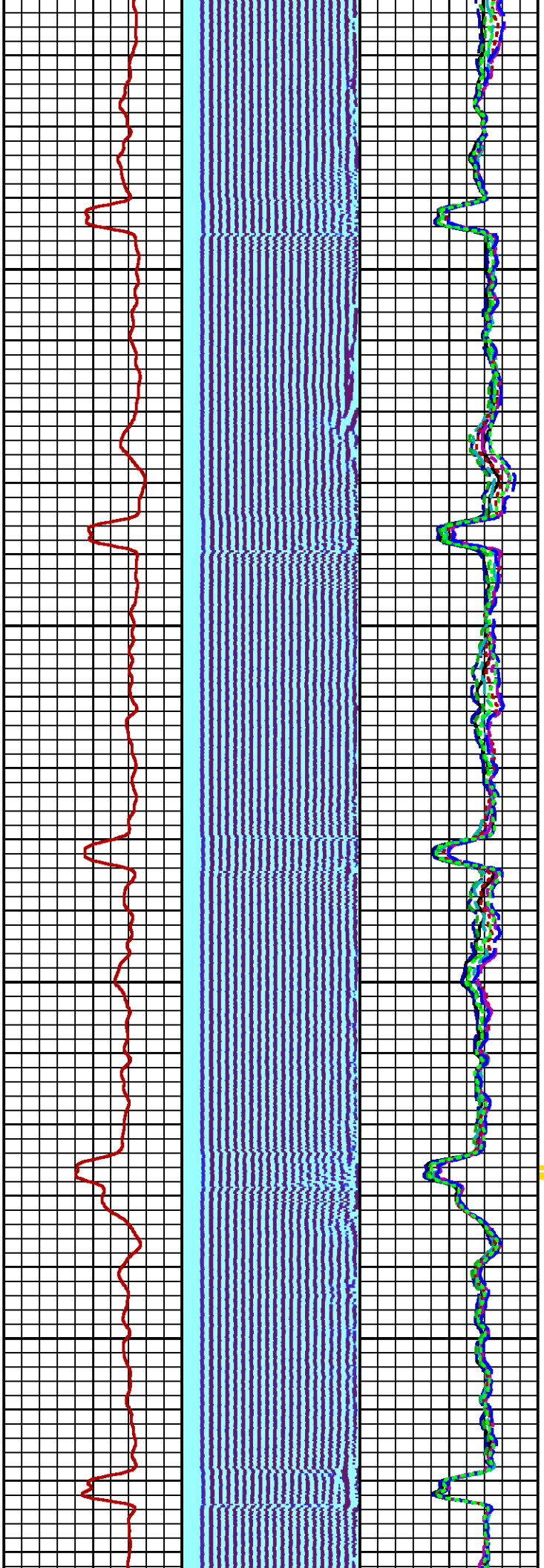




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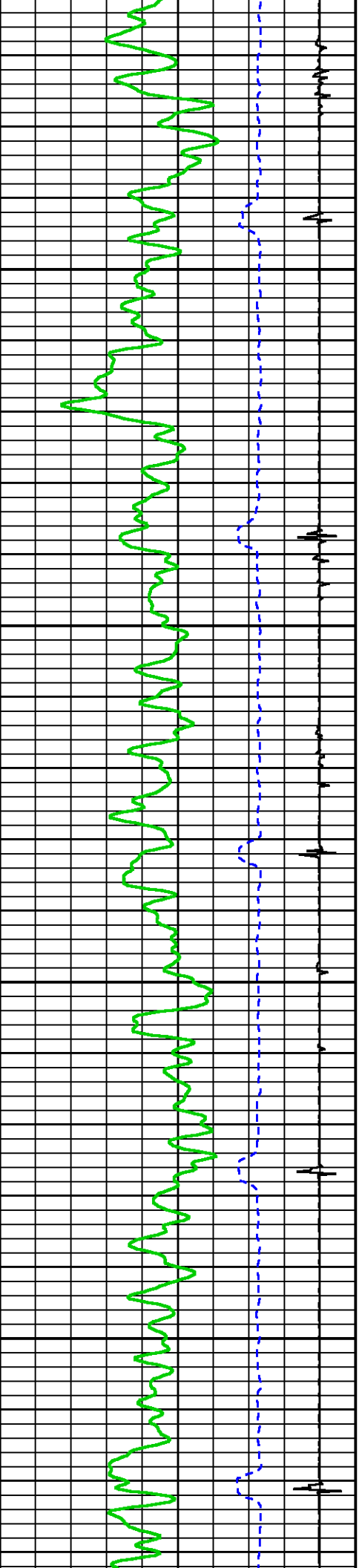
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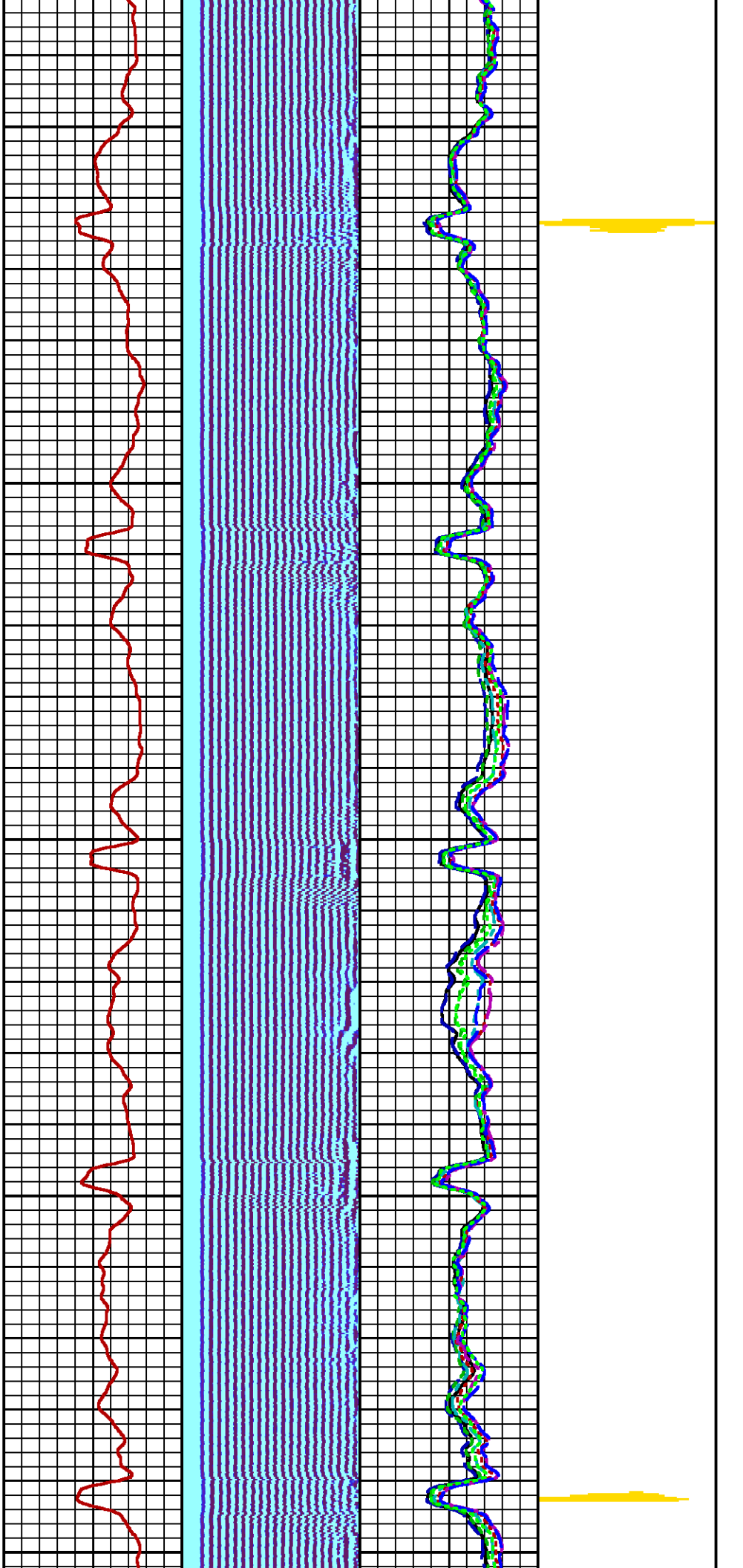


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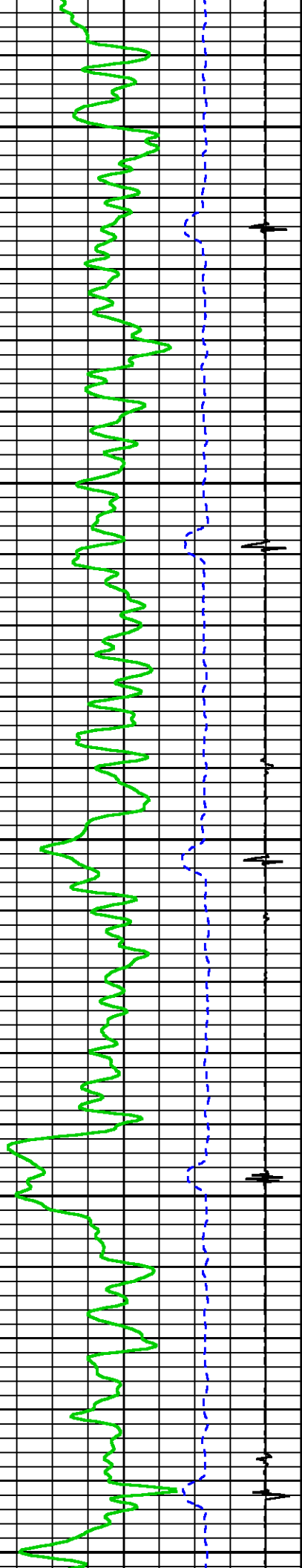




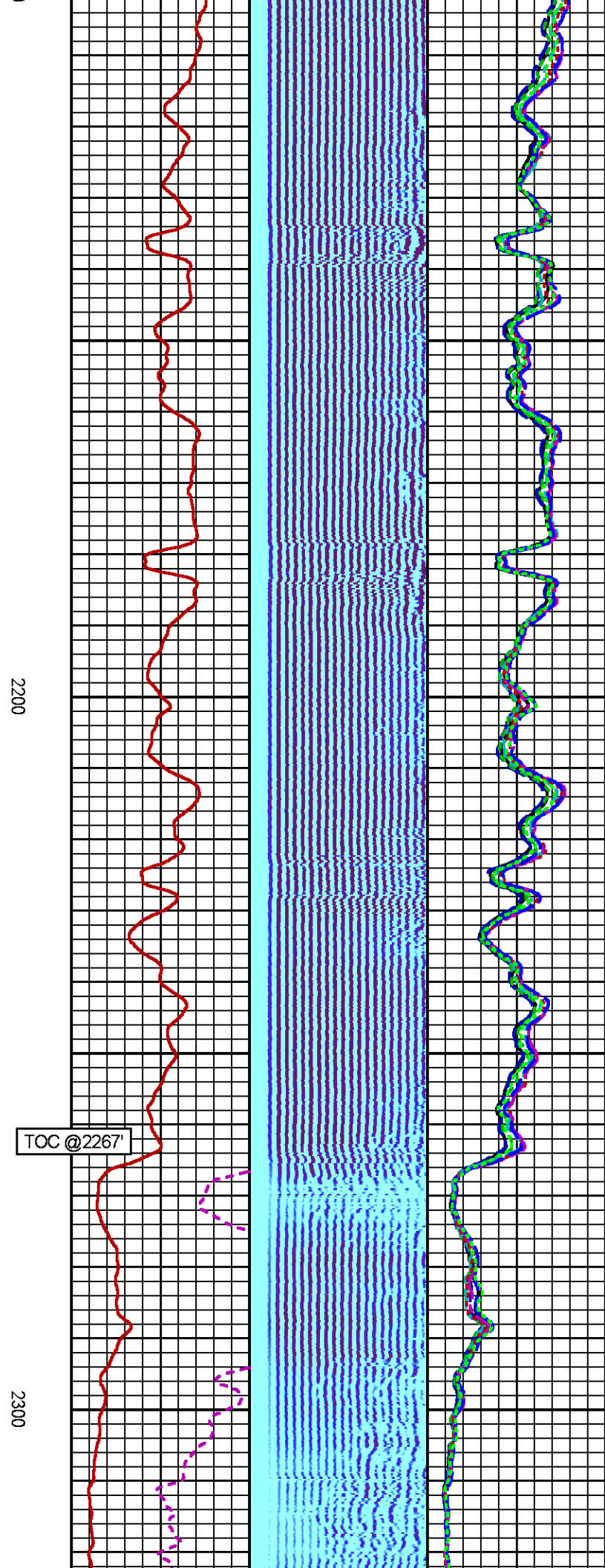
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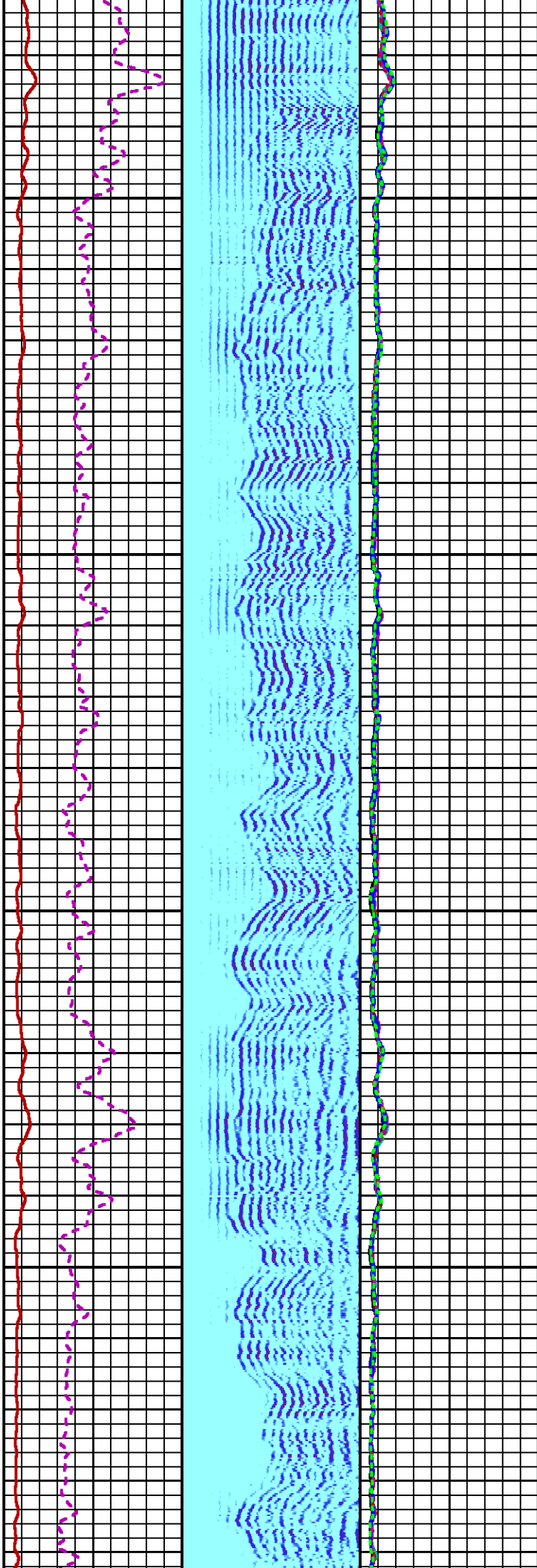


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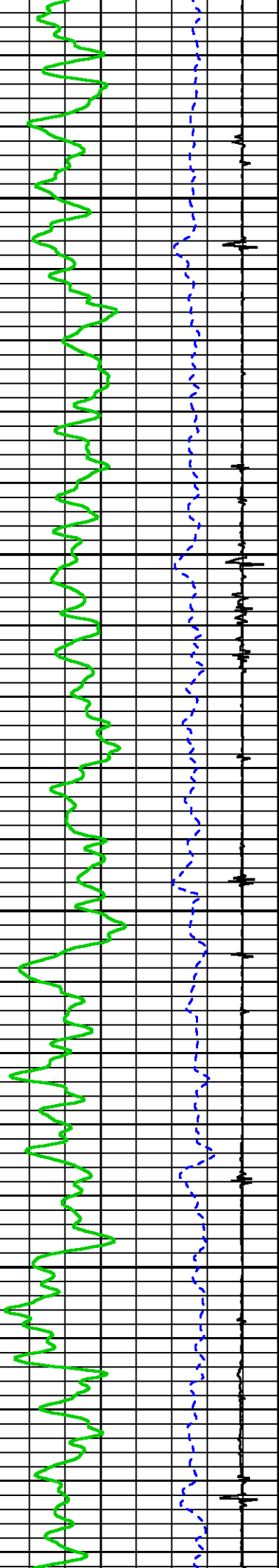
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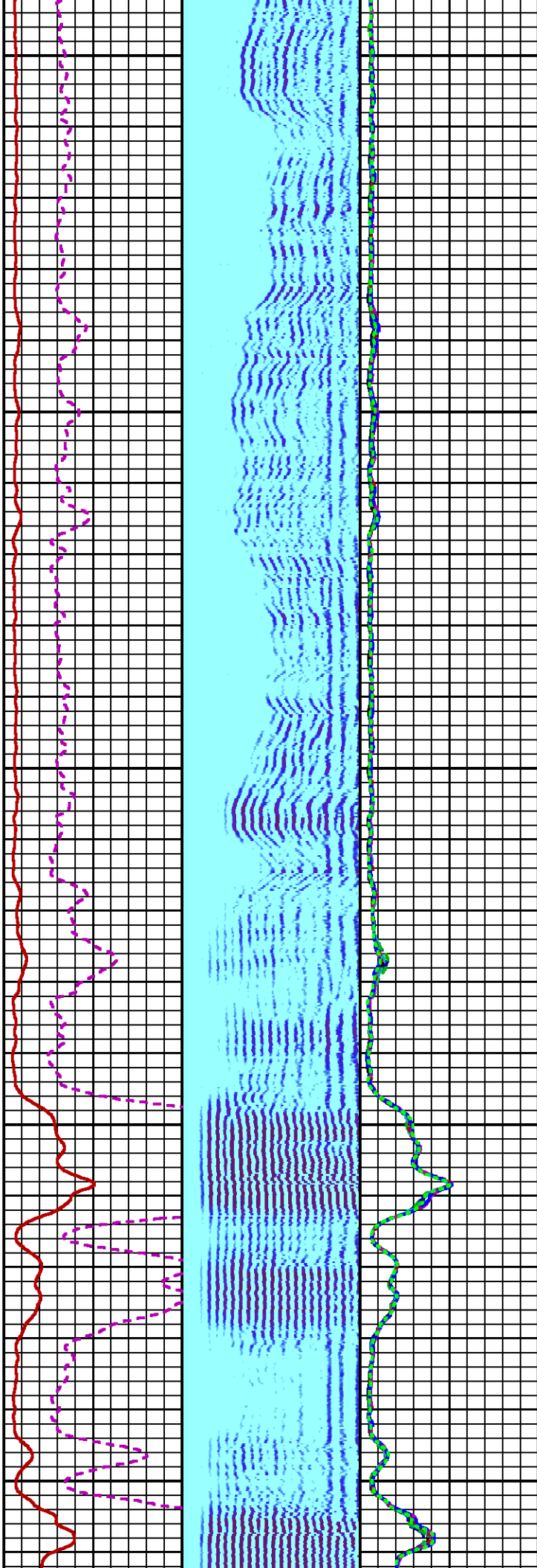




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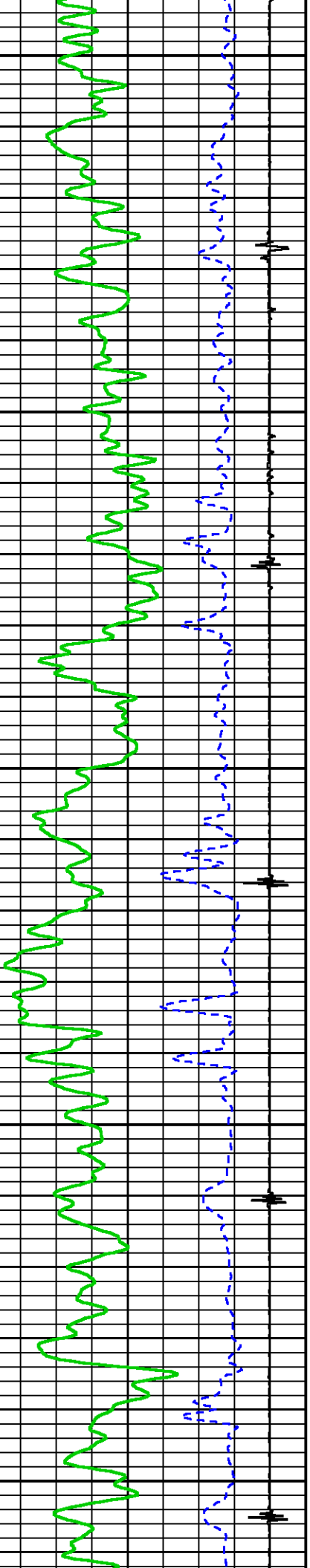
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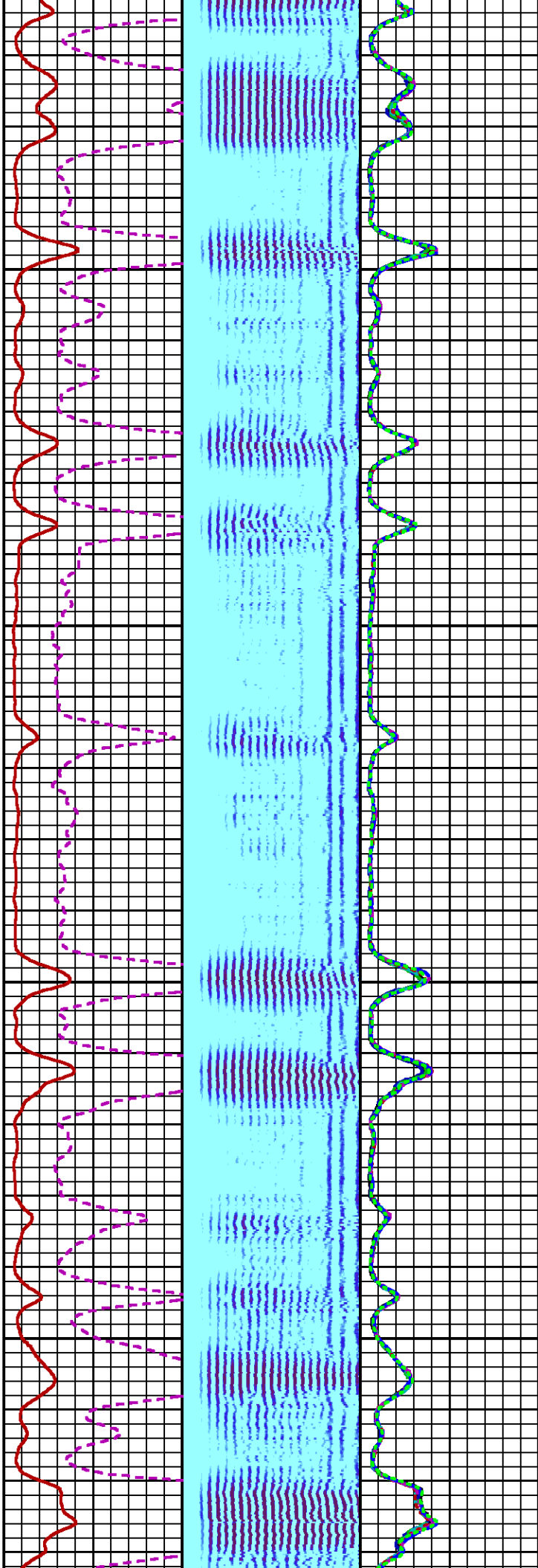
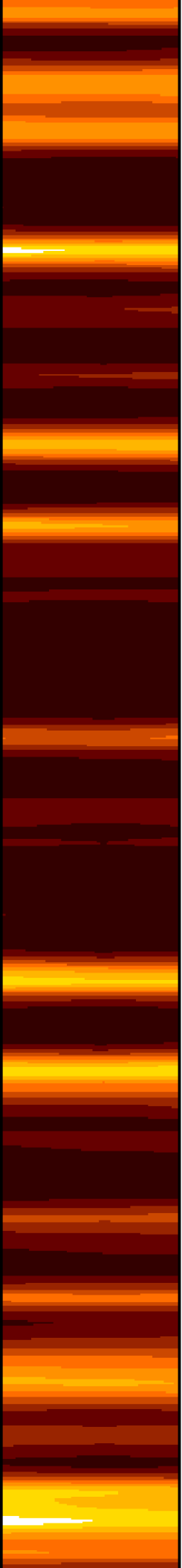




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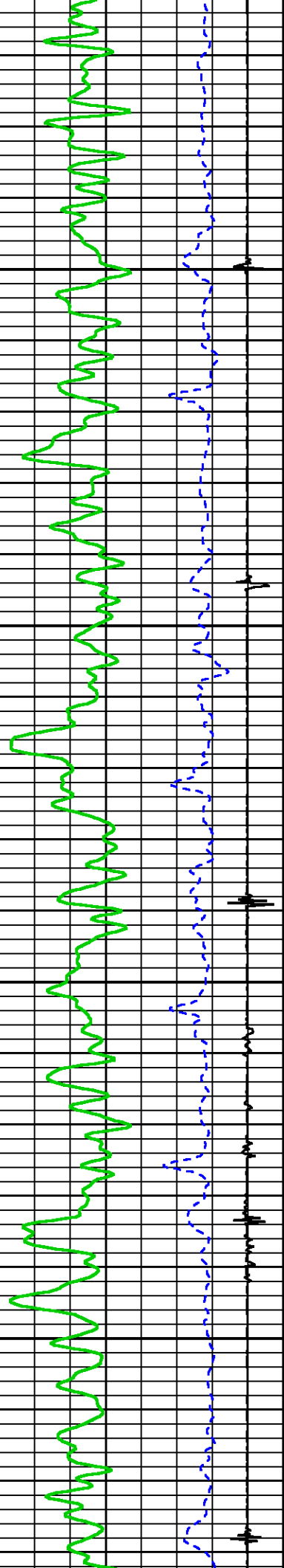
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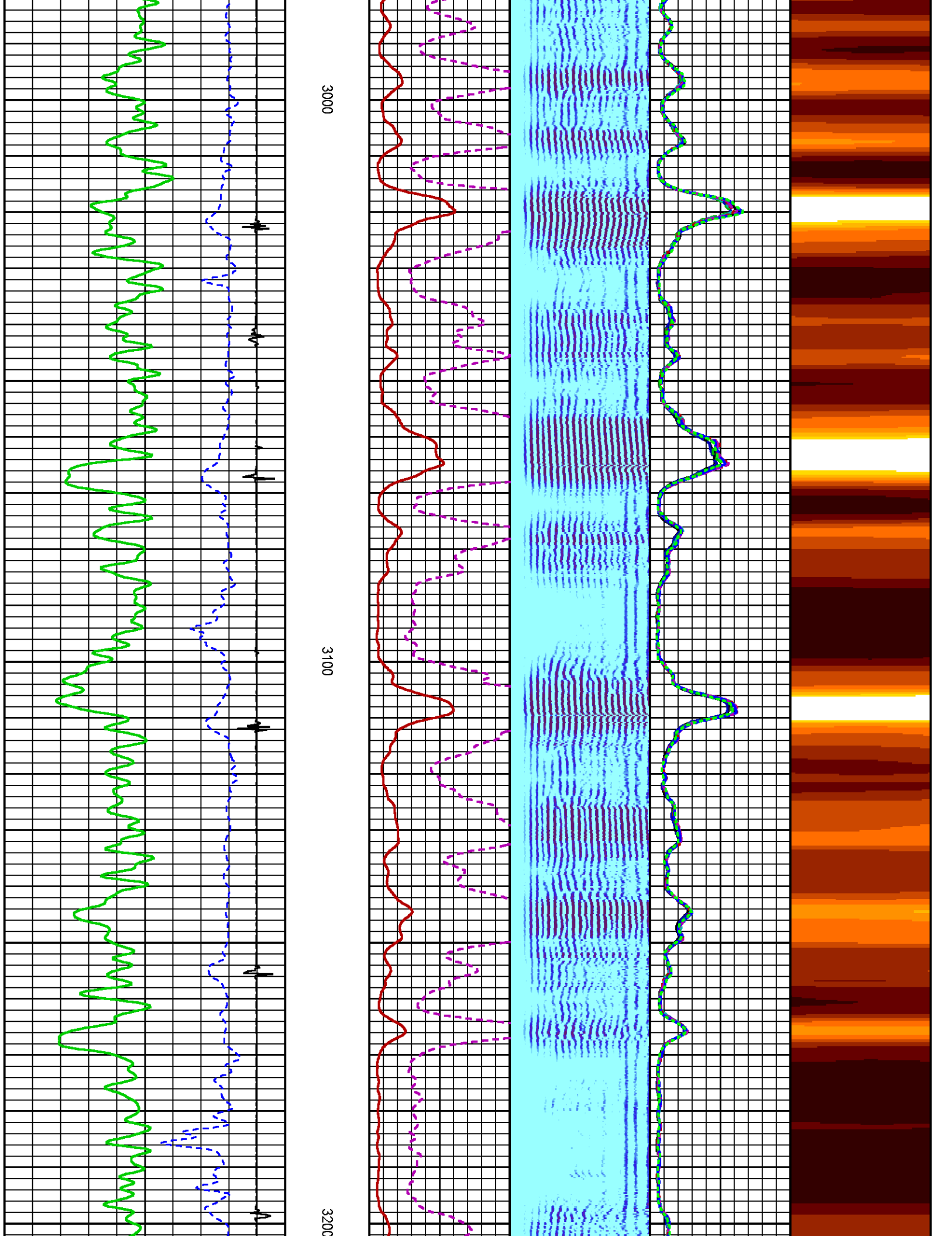


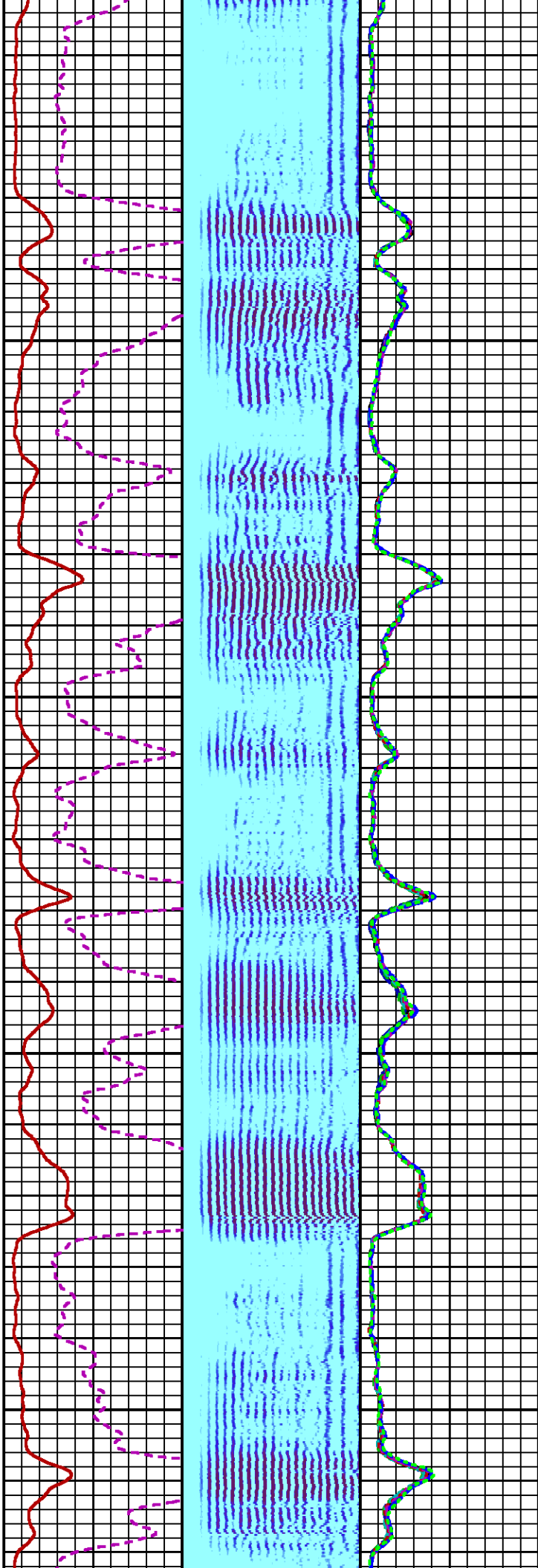
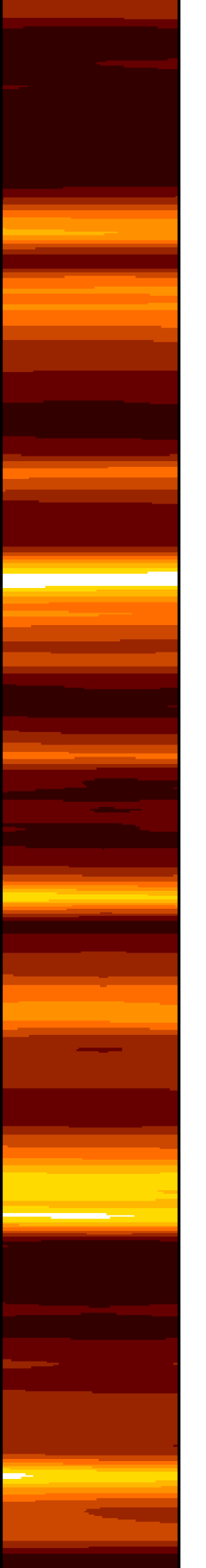


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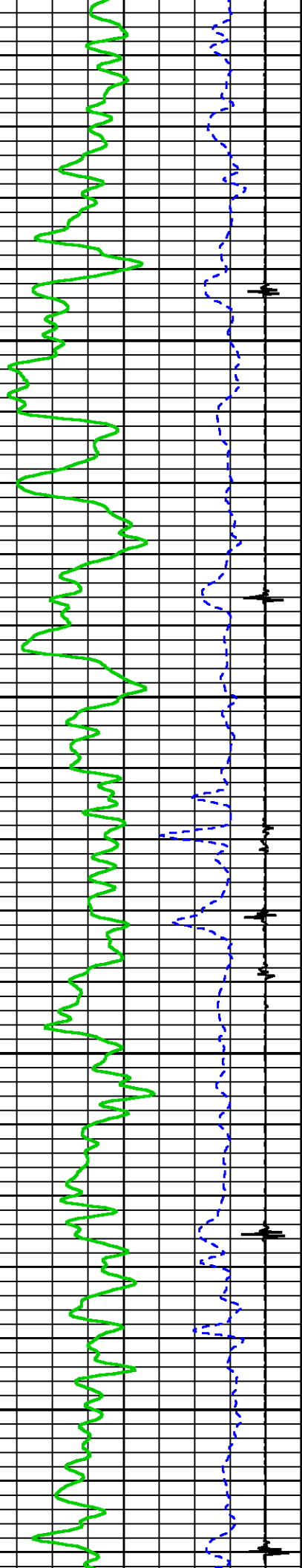




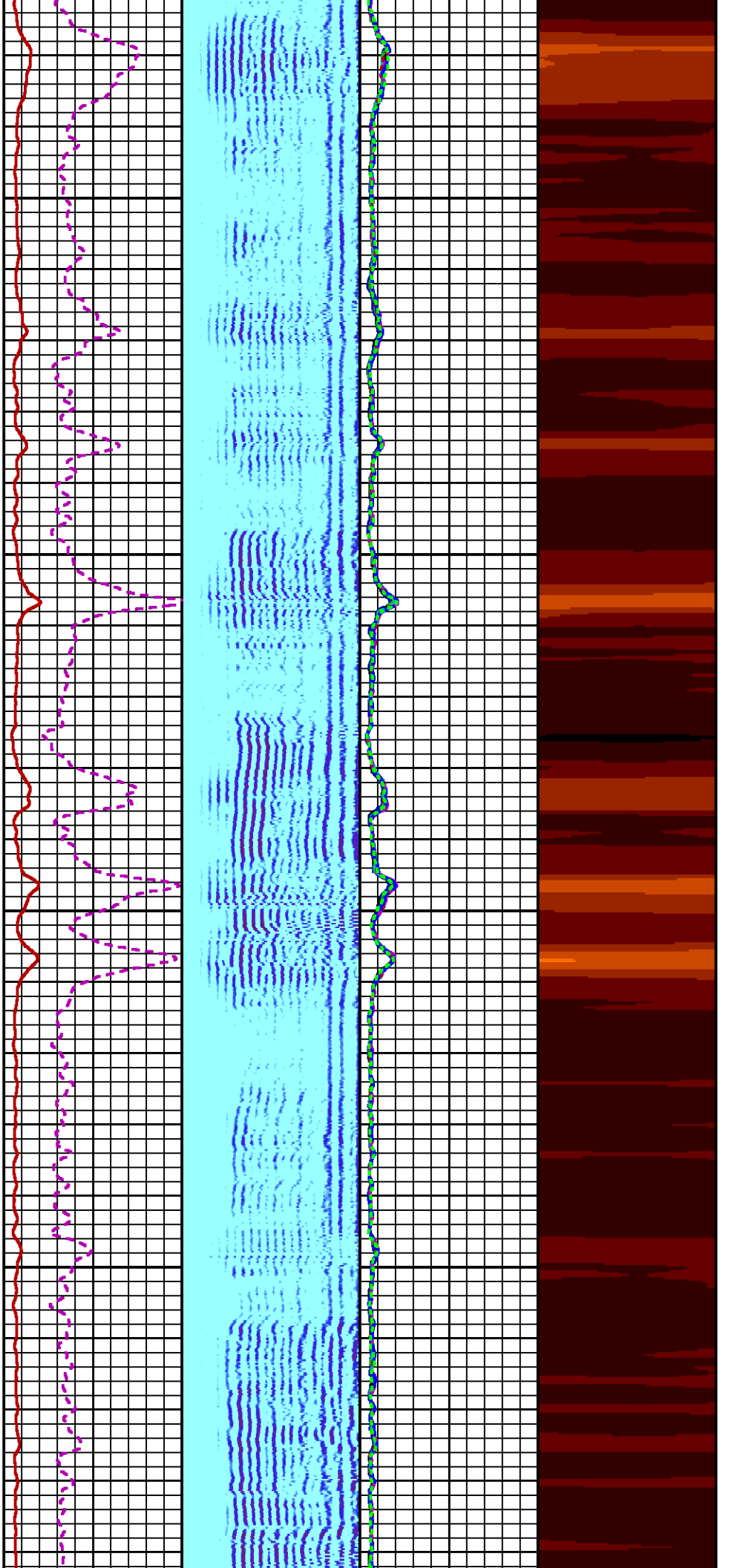


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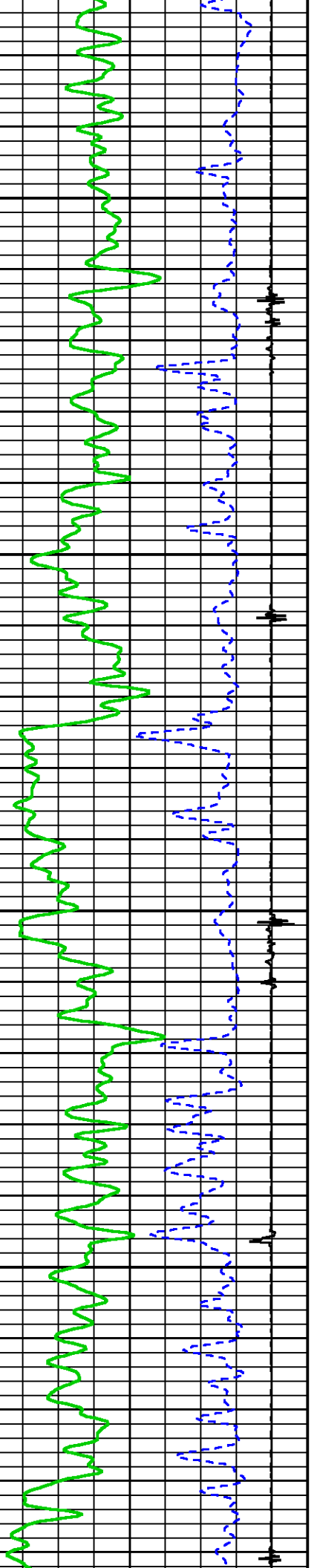




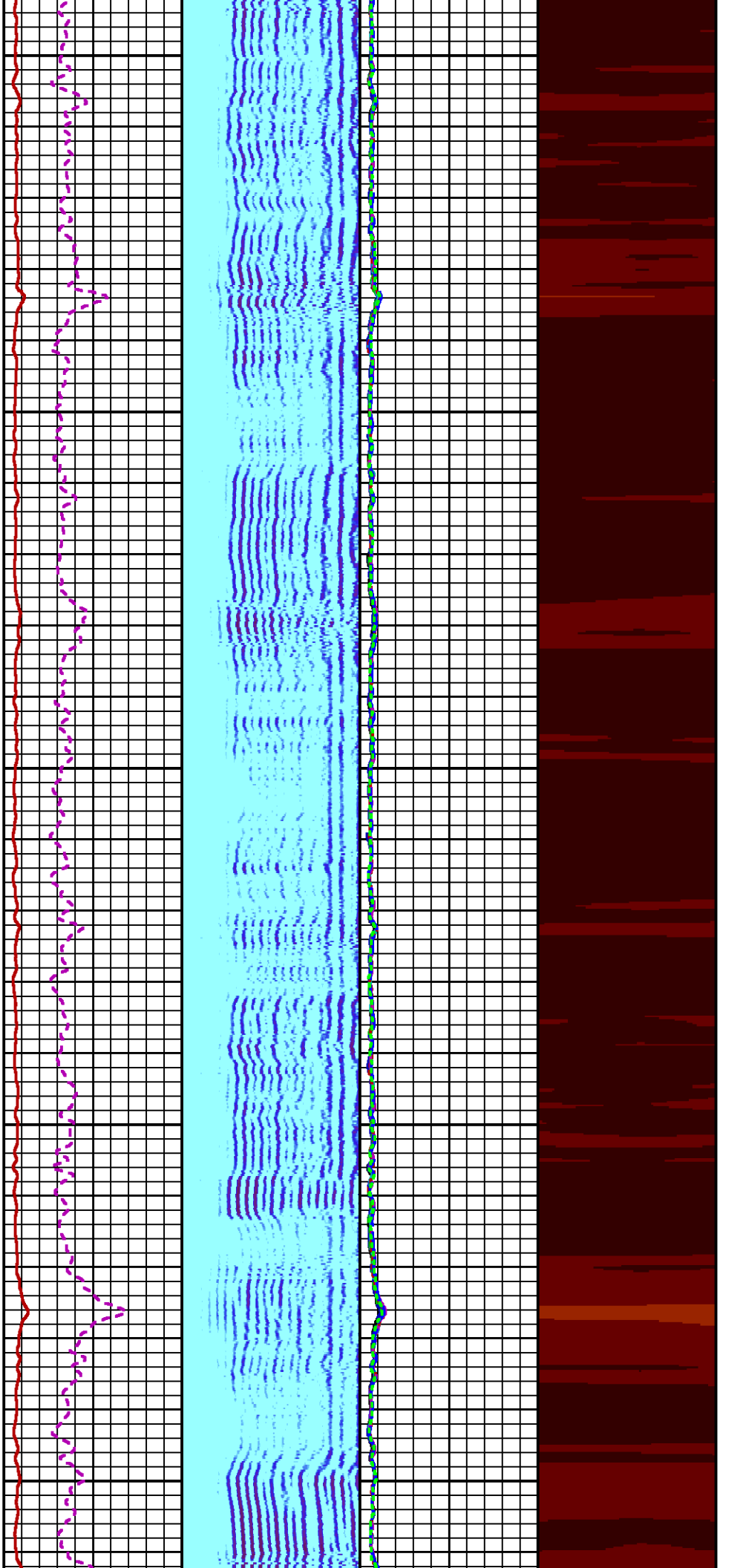


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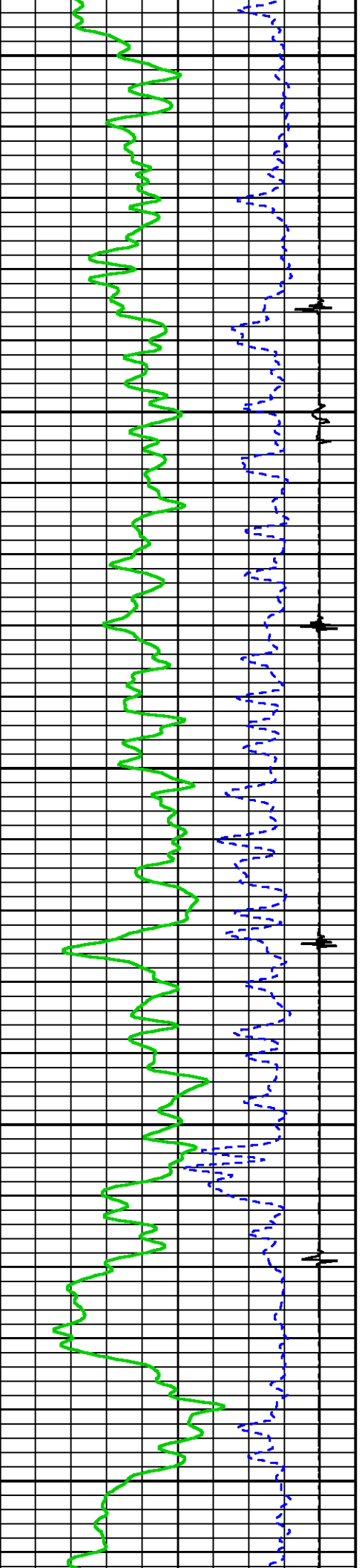


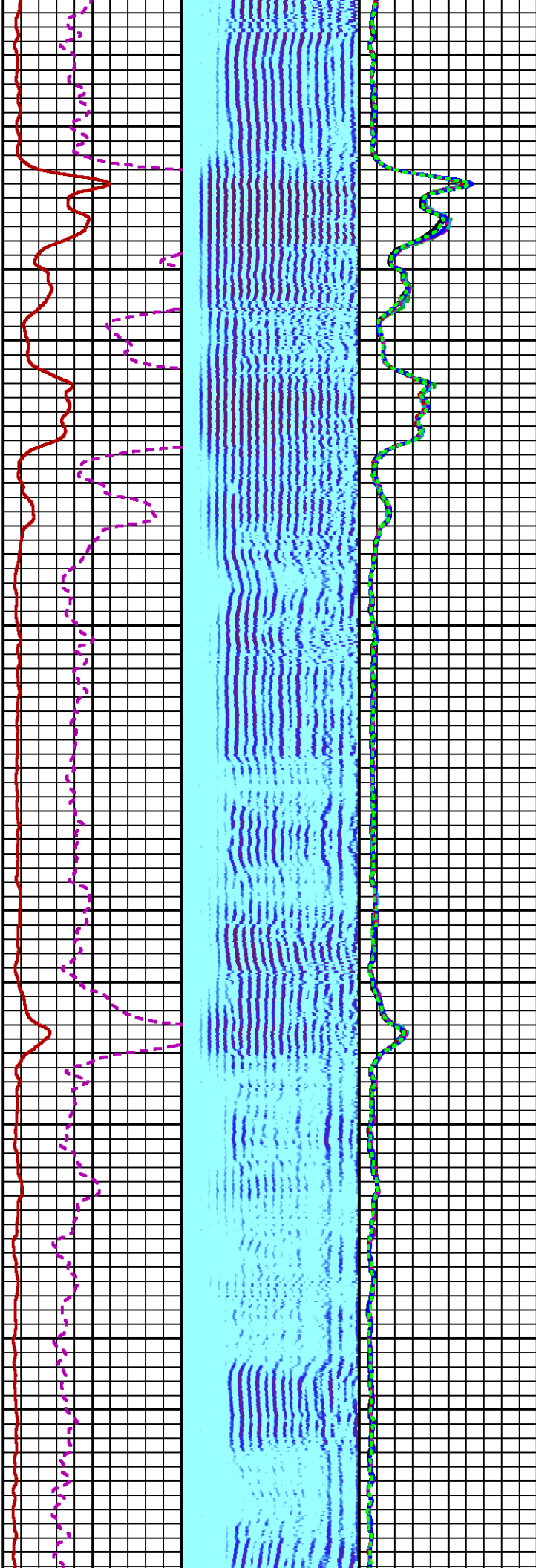




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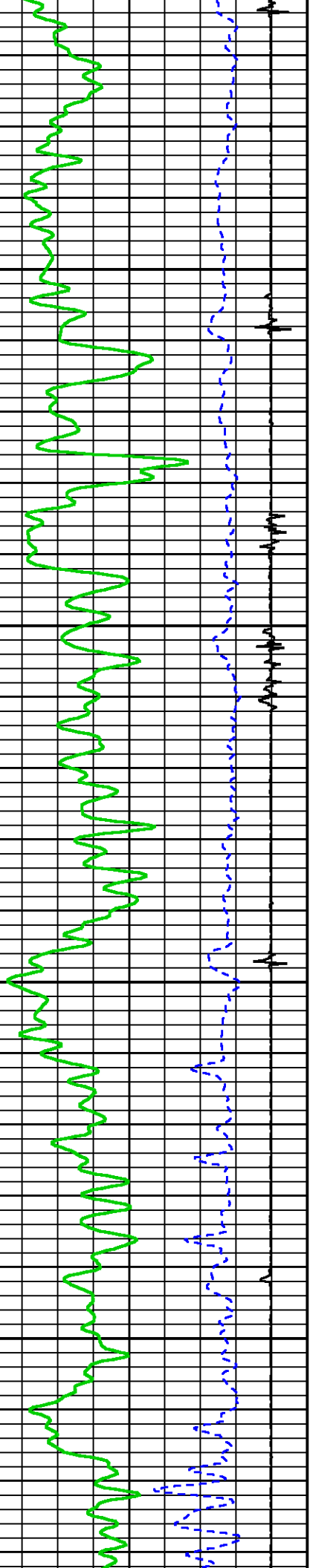
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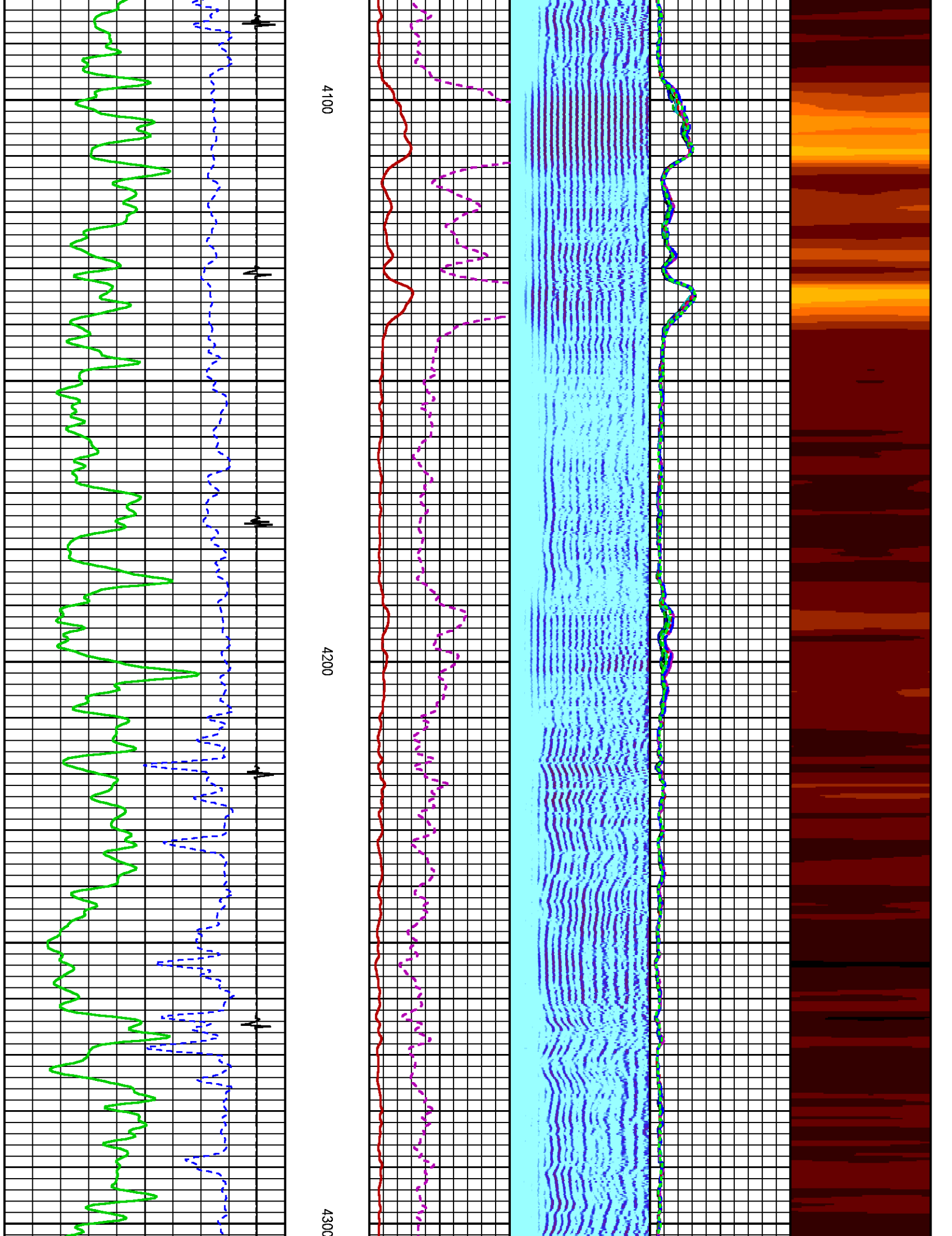


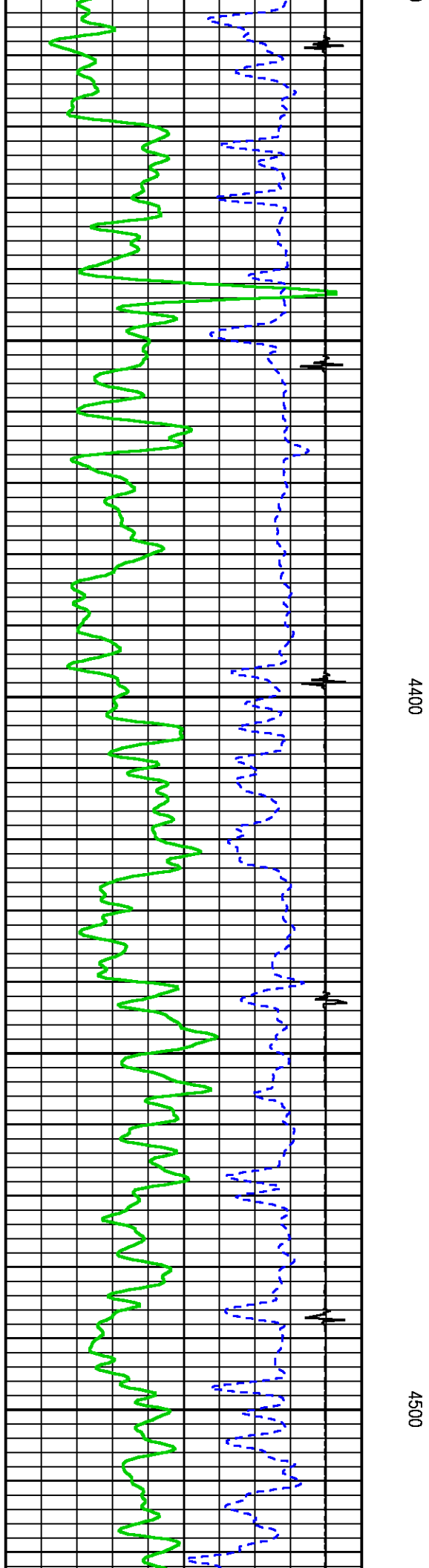
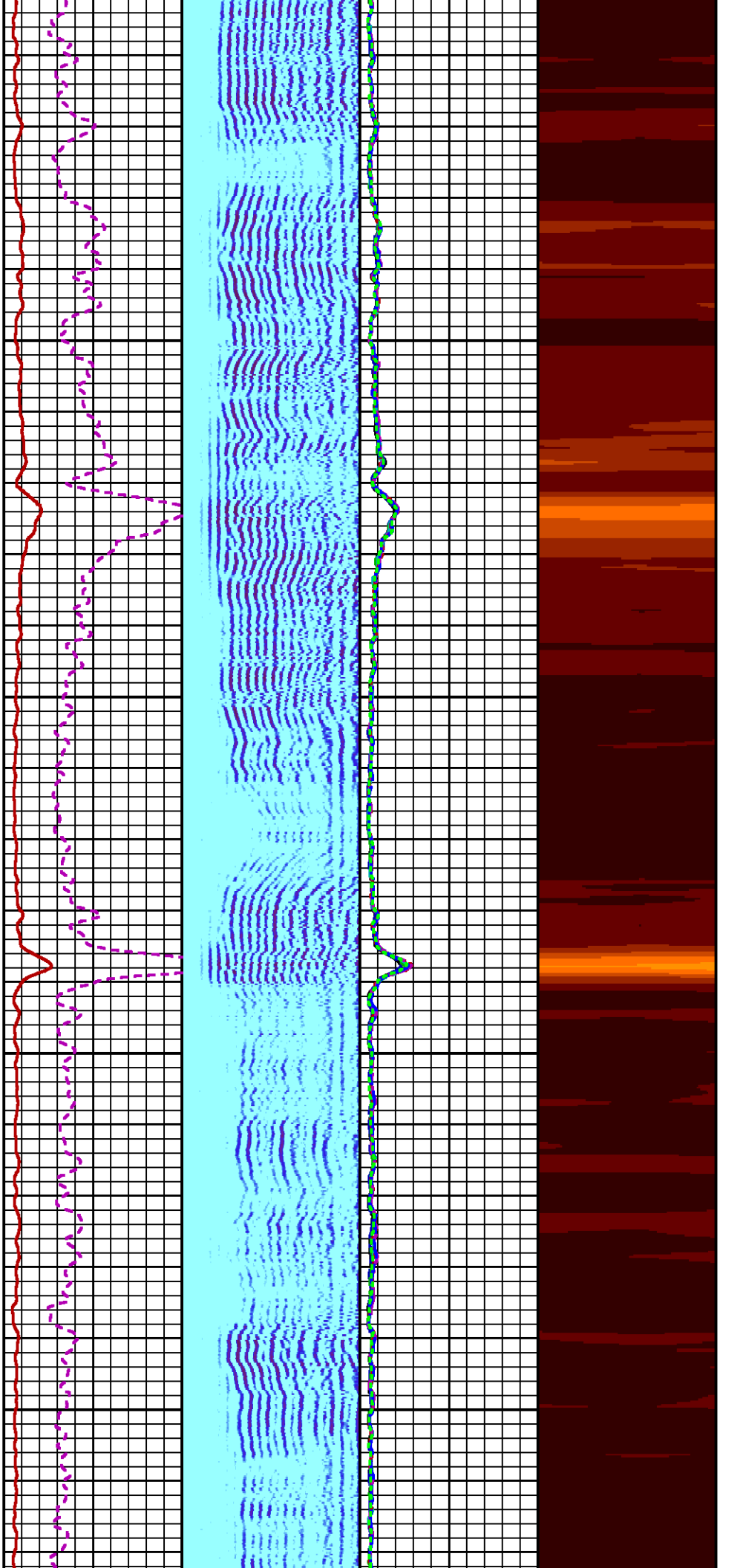


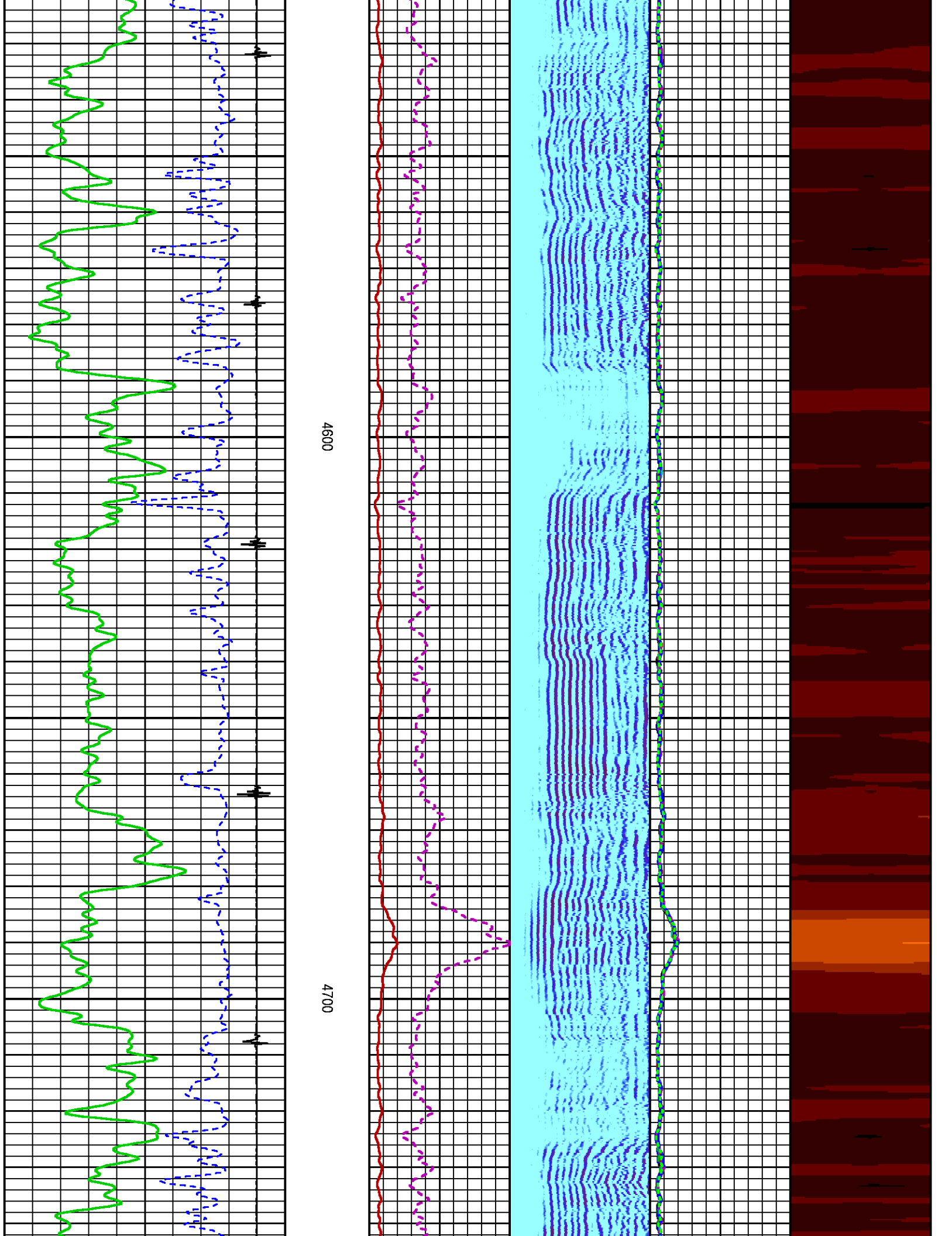
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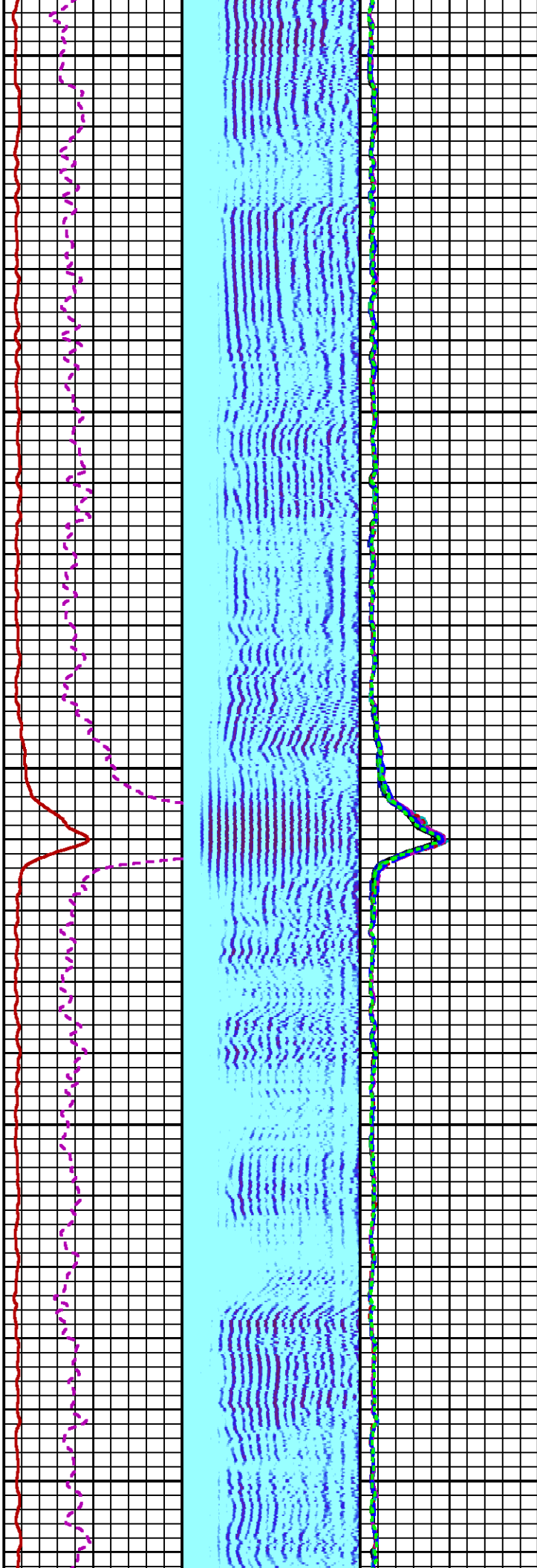






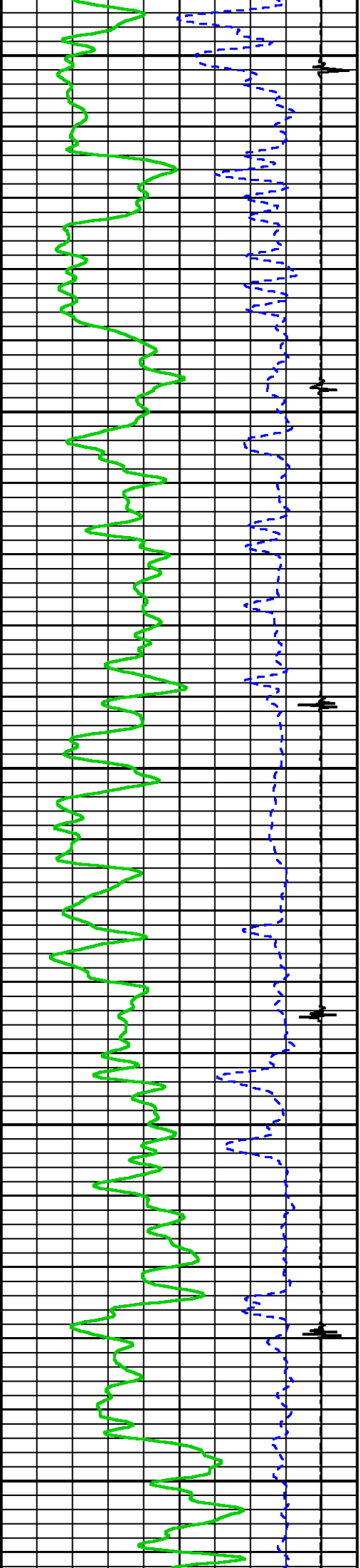




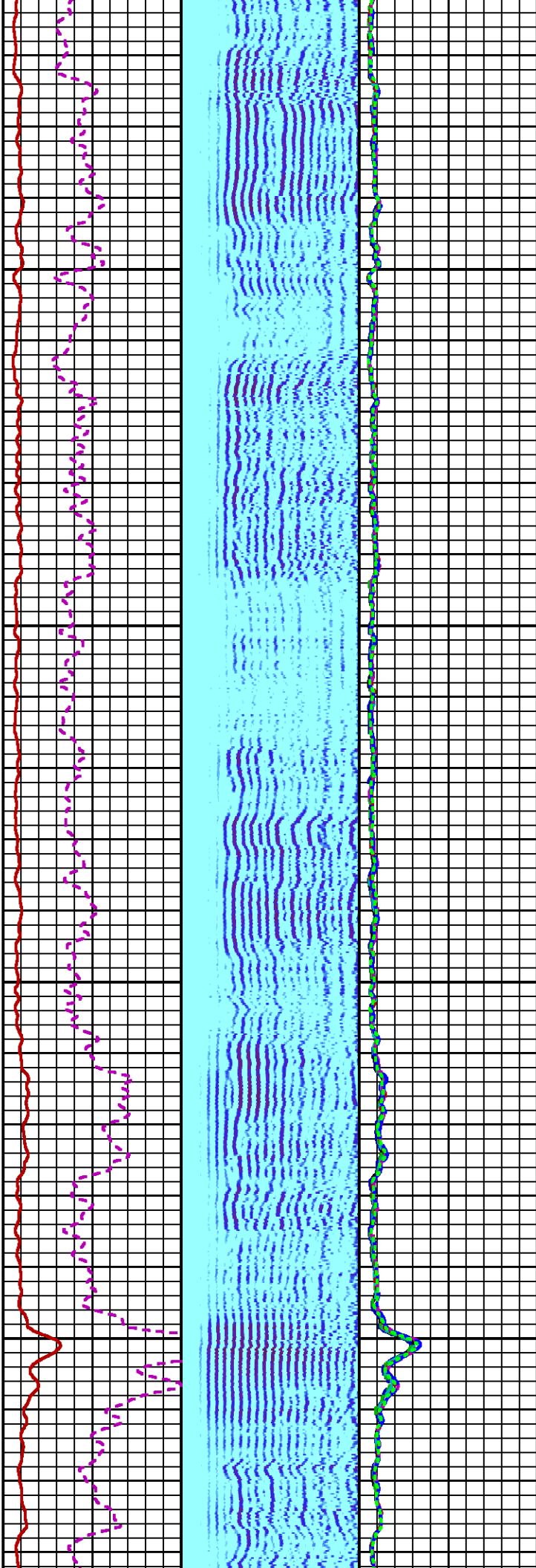
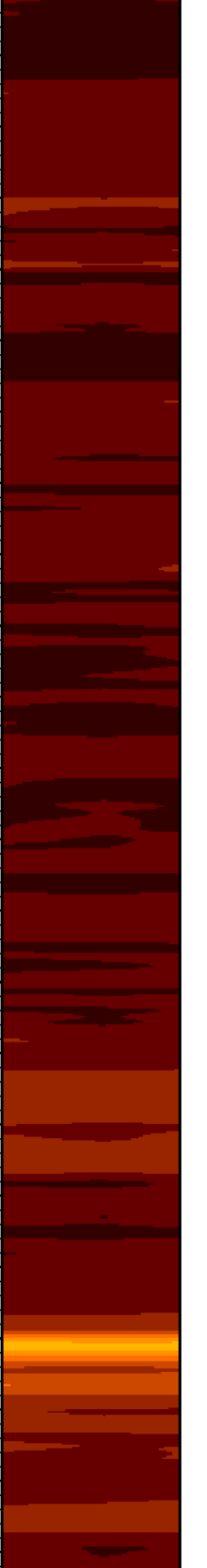


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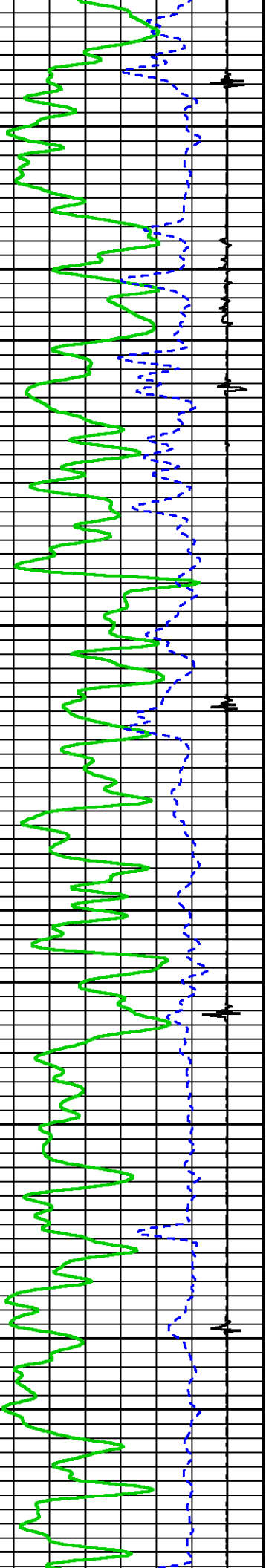


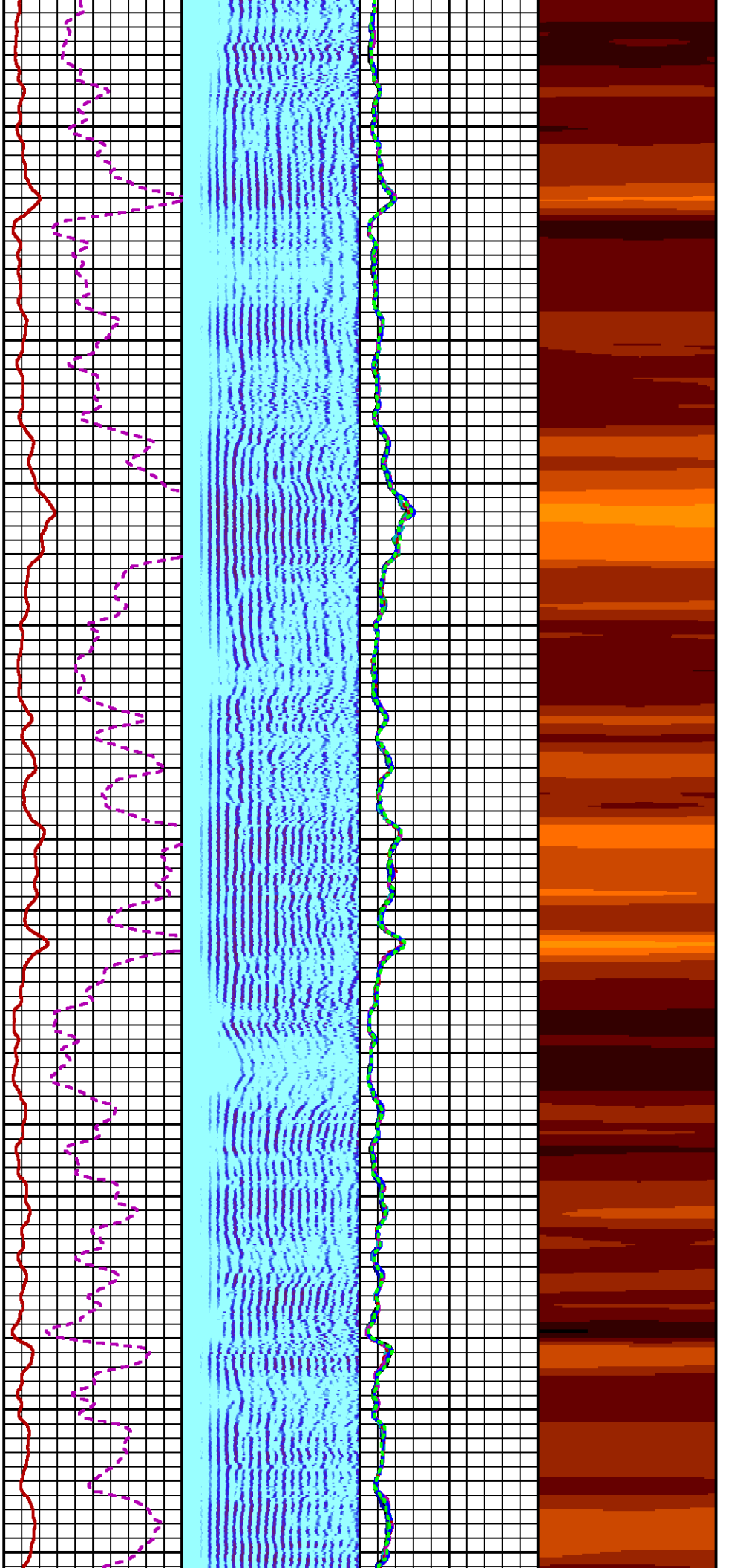




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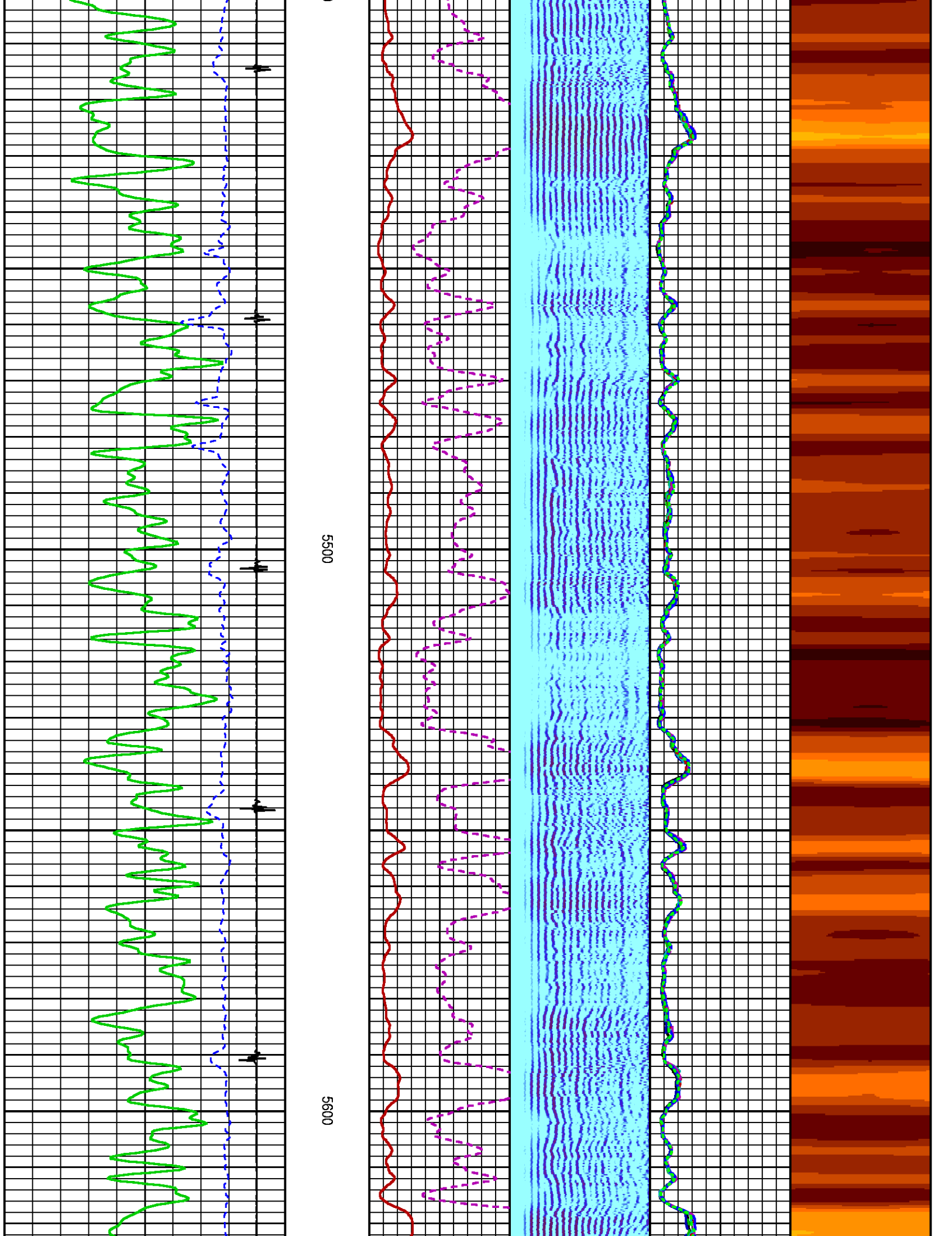


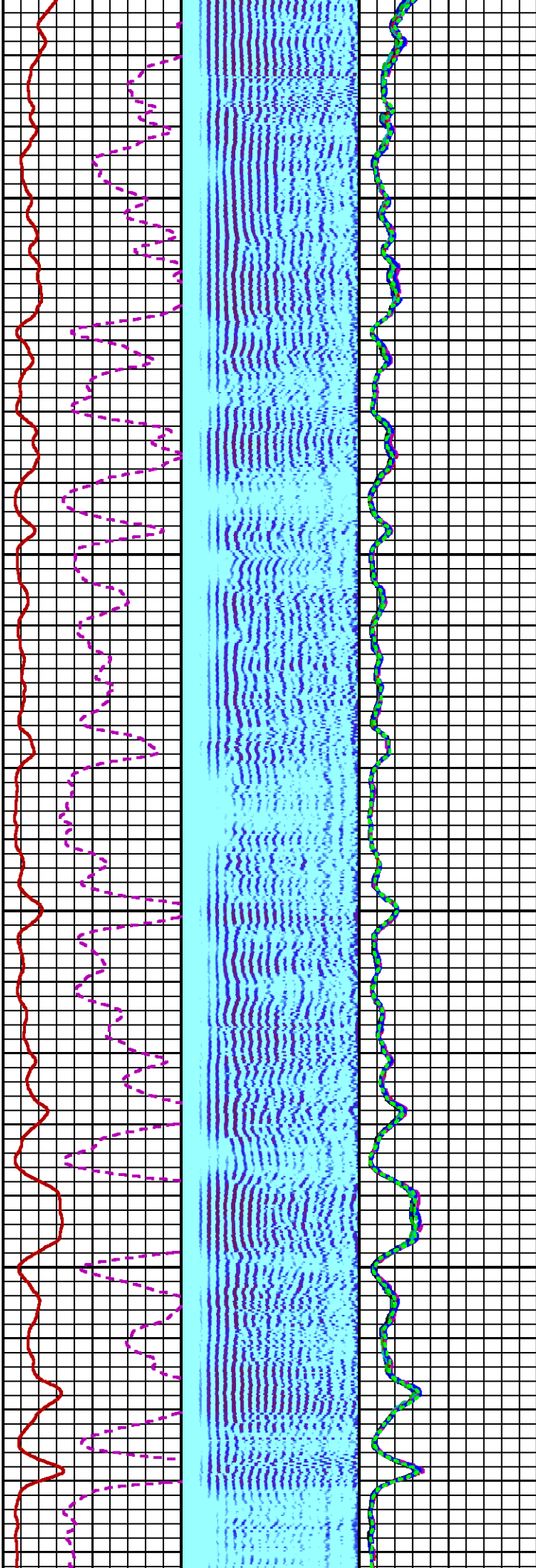


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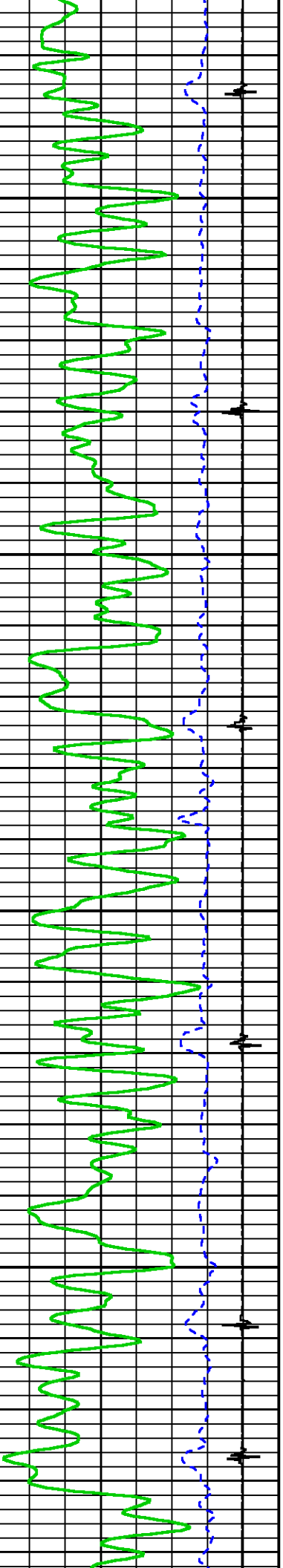
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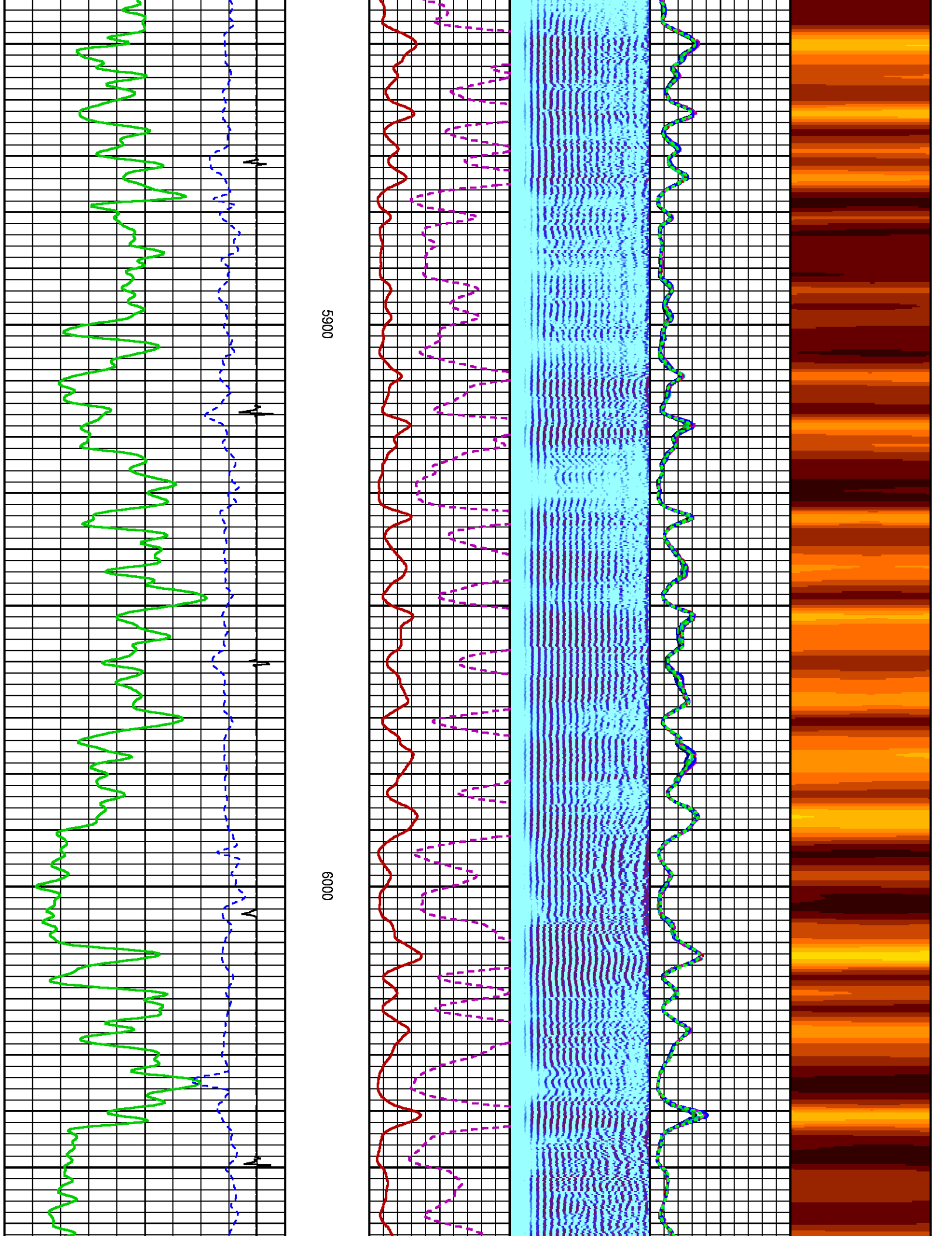


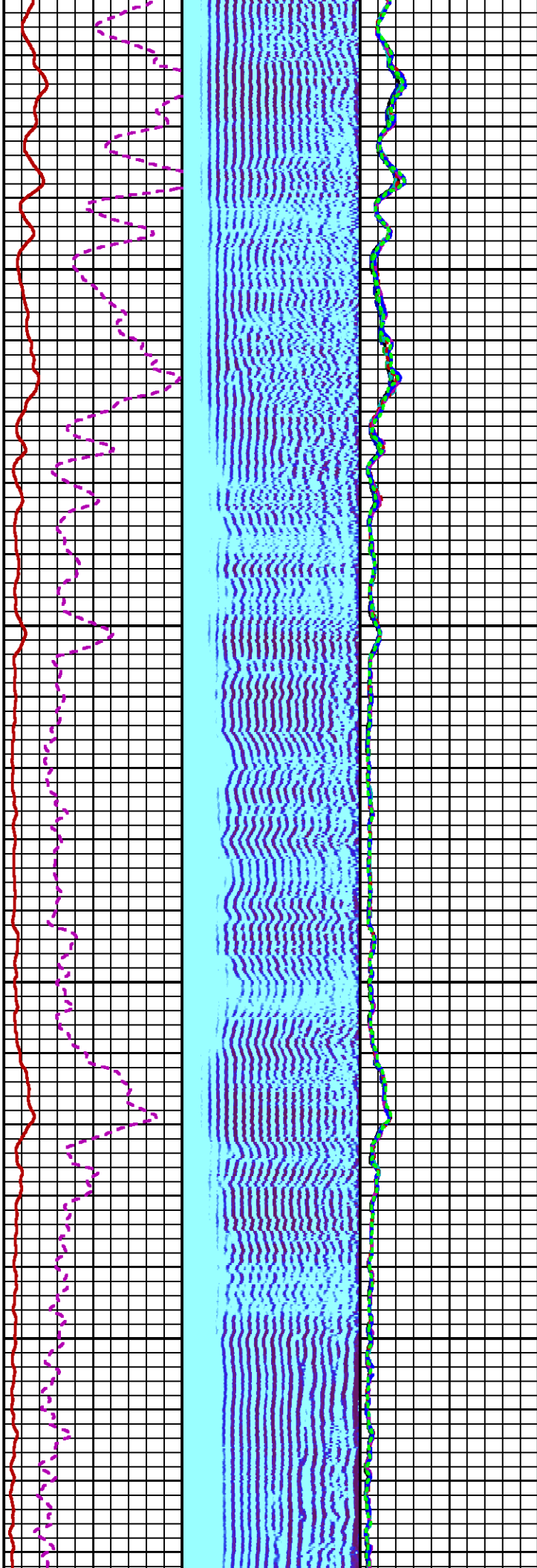
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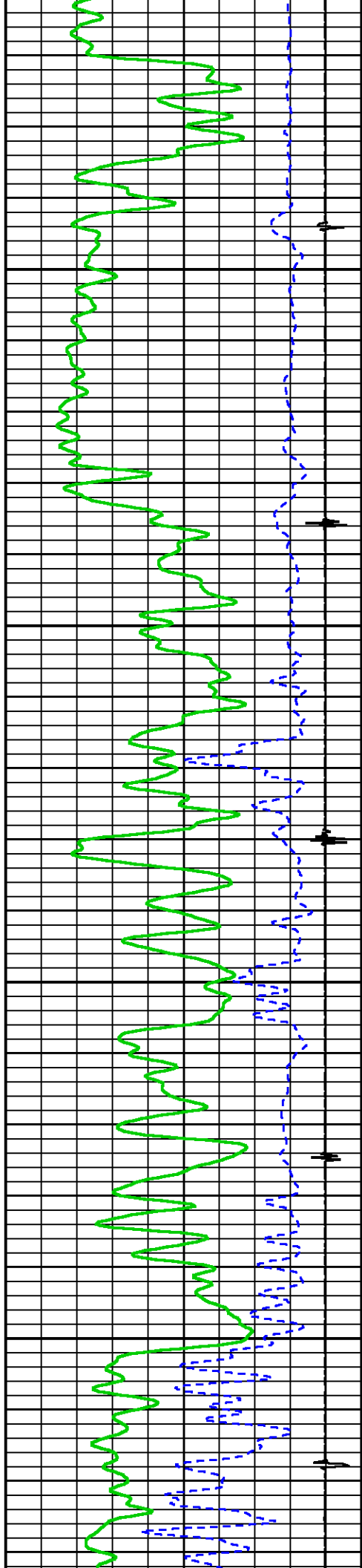




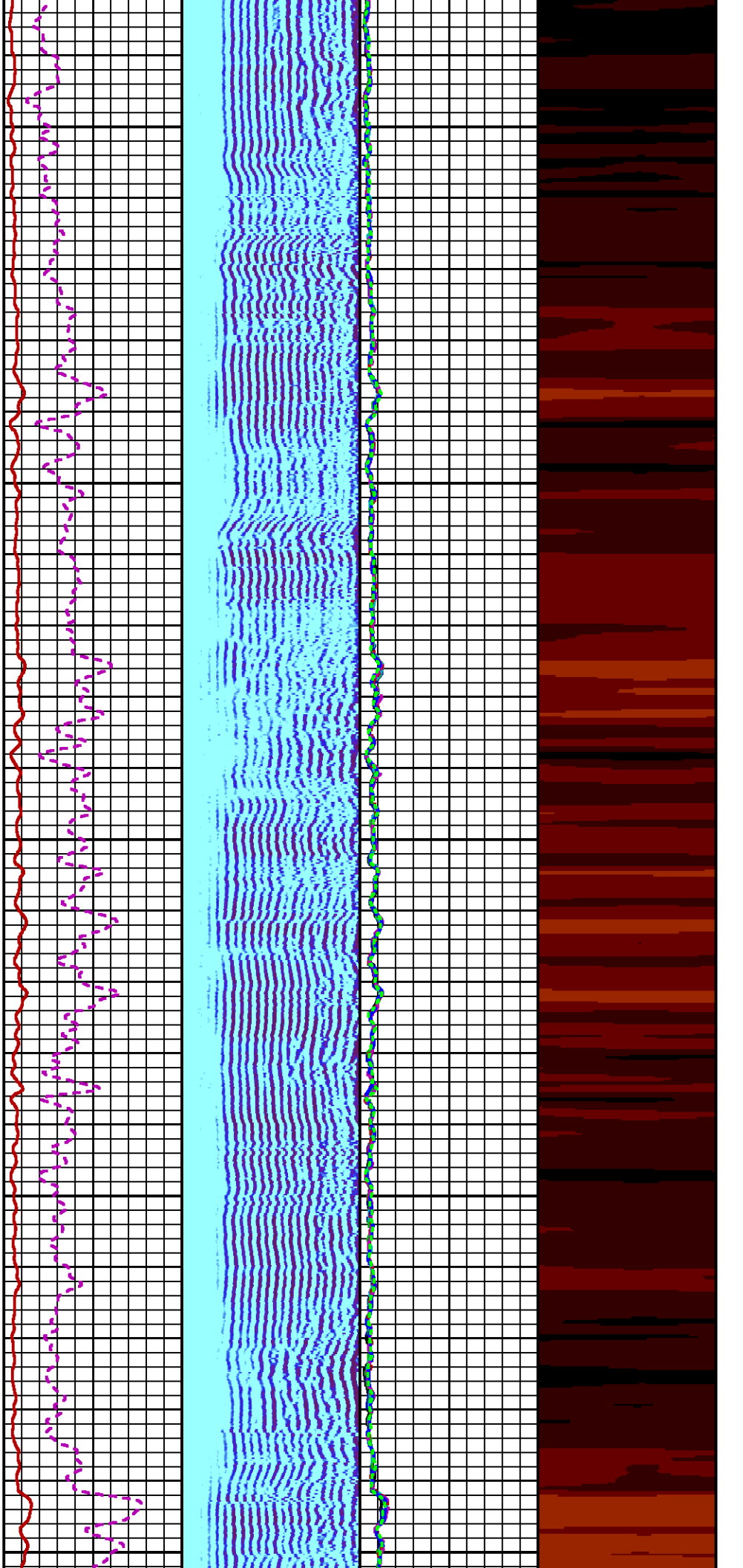


6100

6200



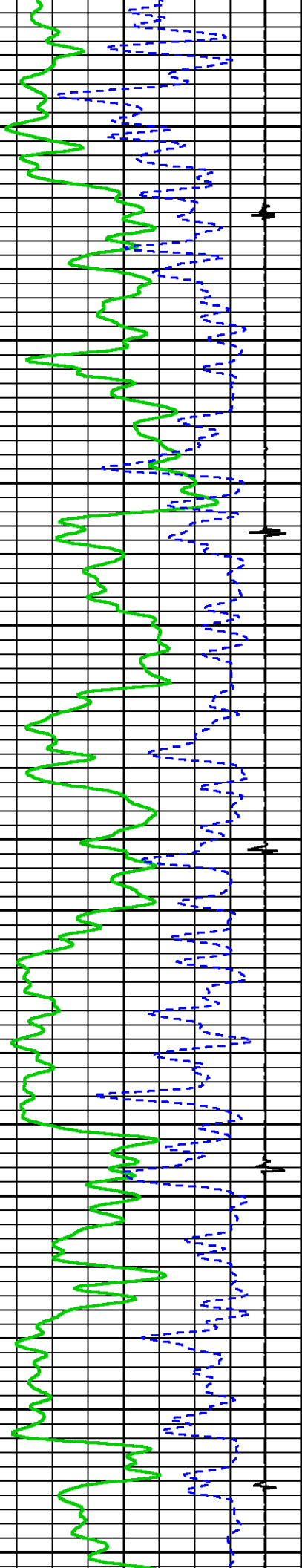


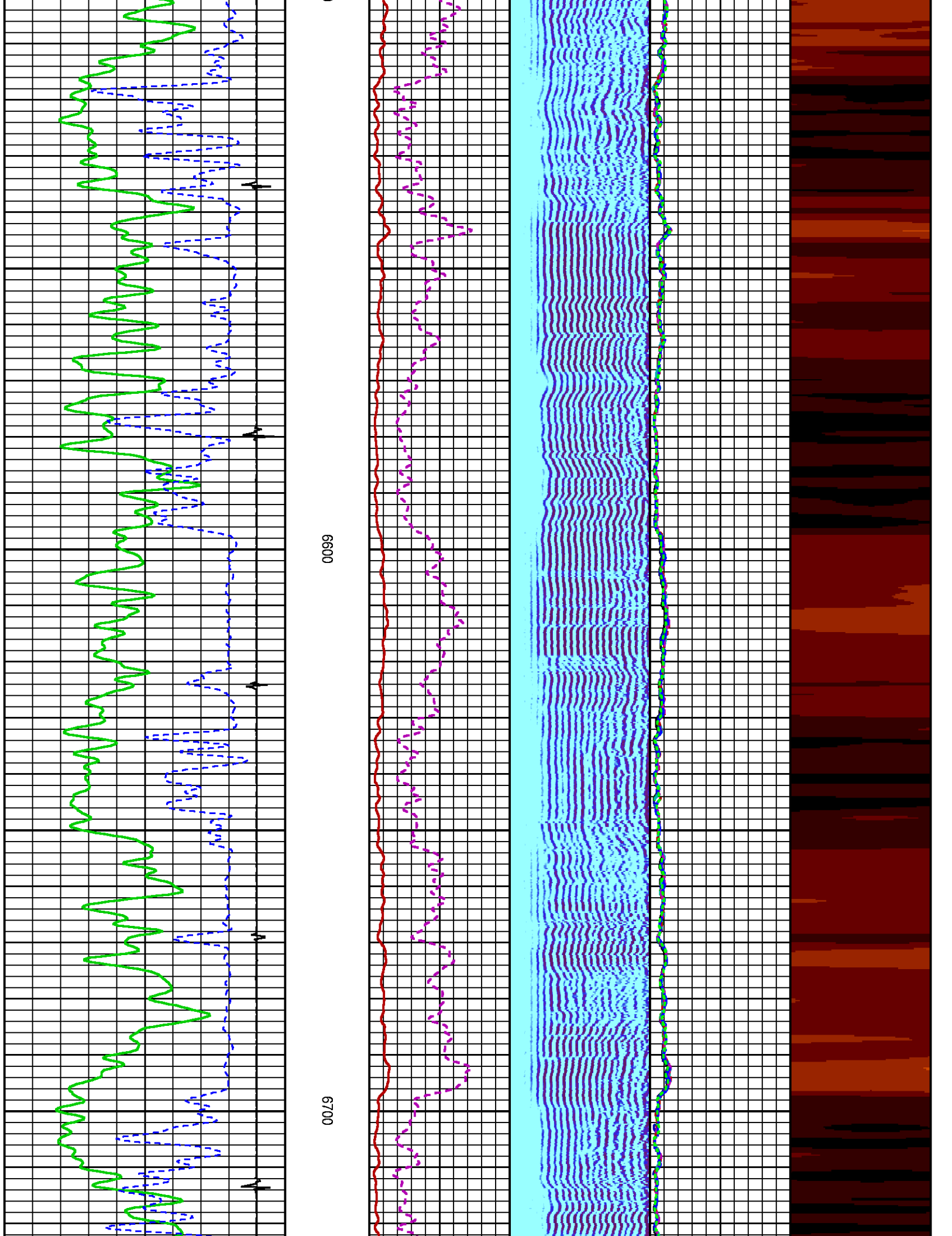


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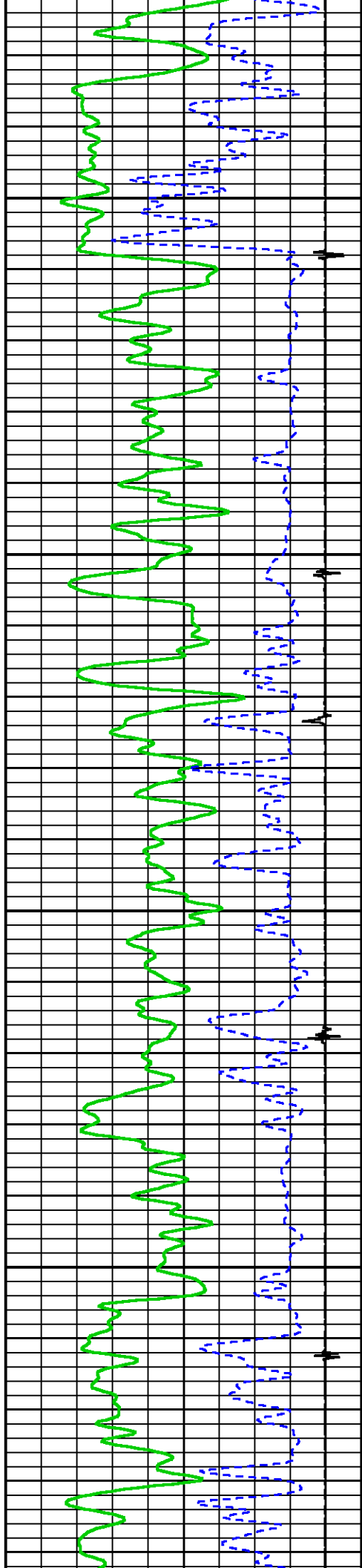
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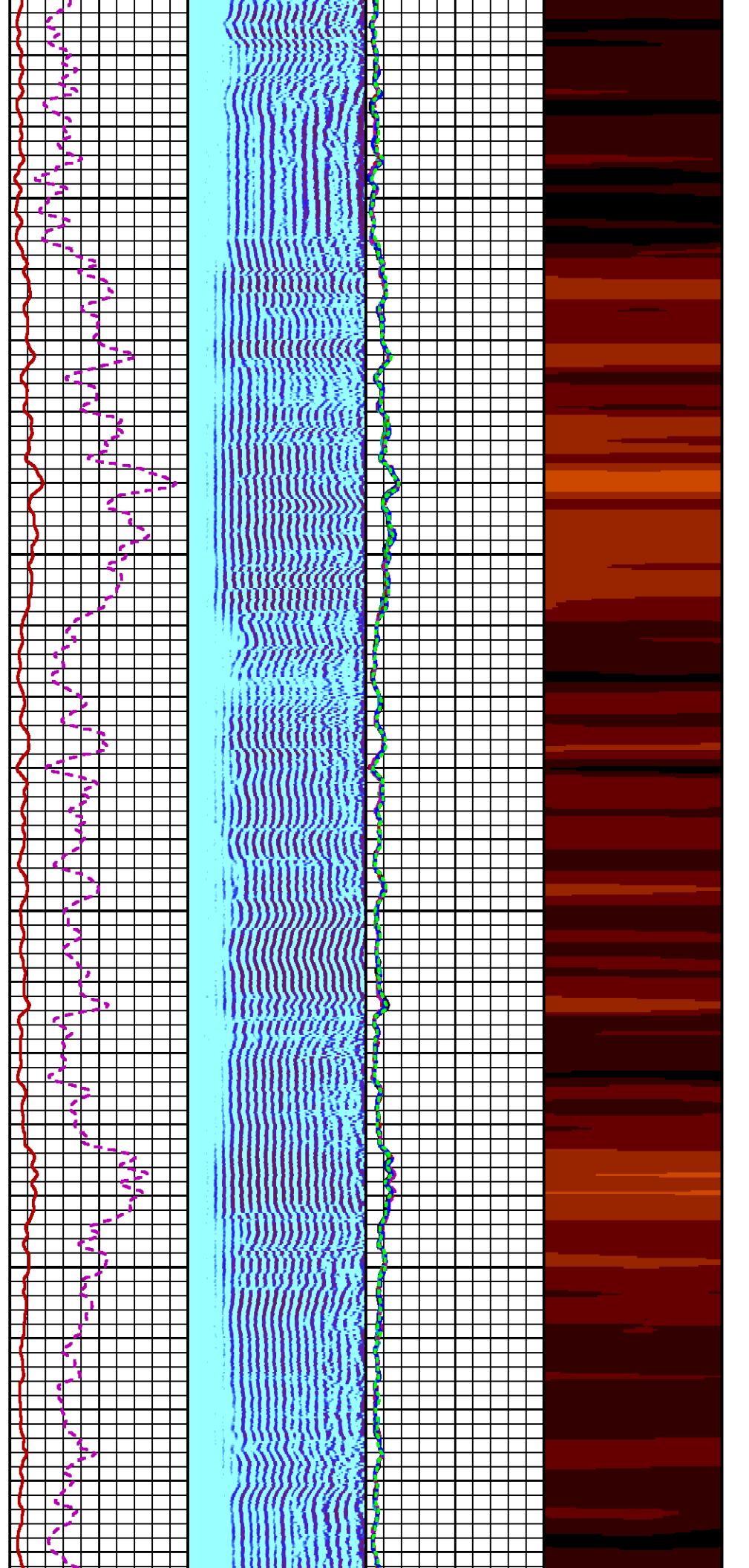
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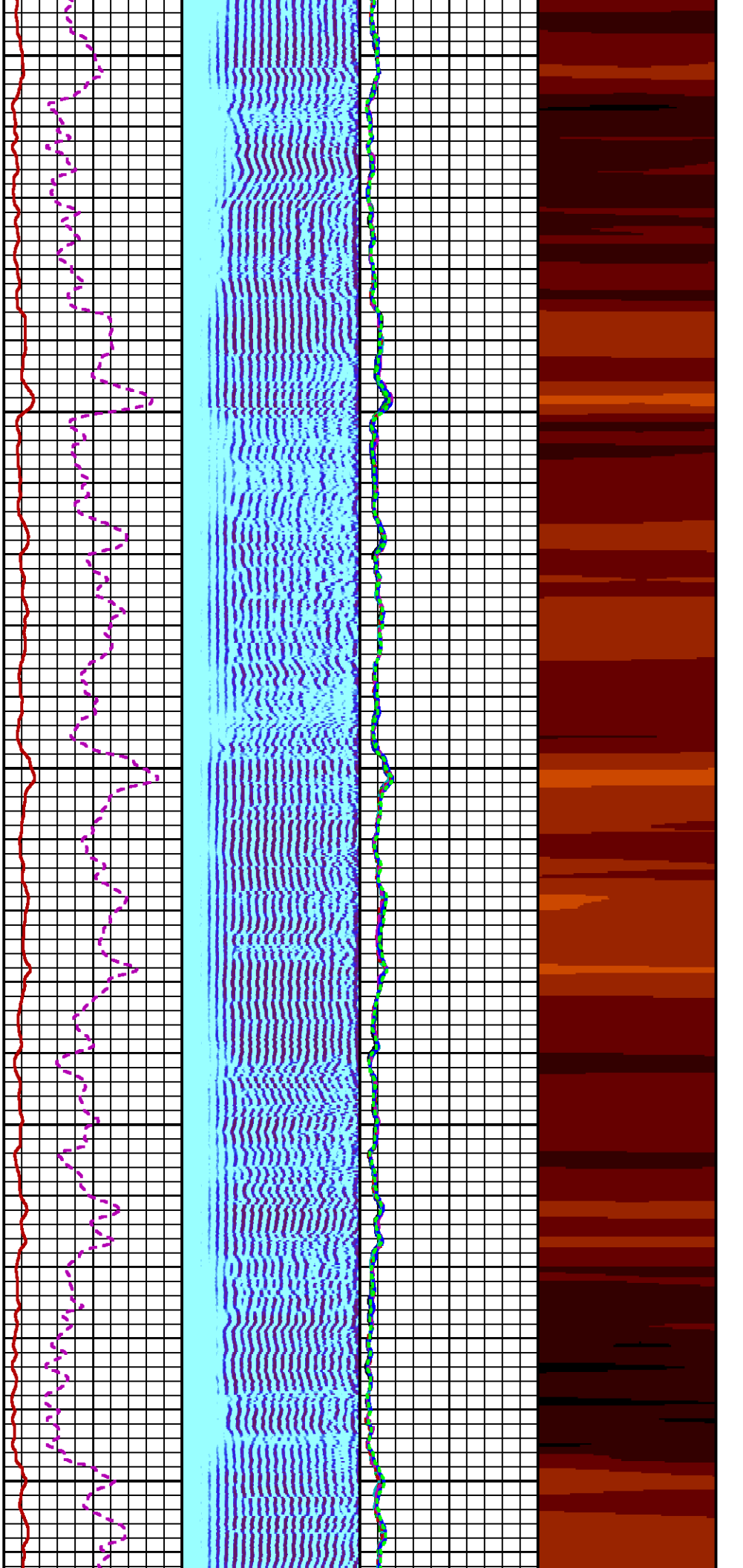
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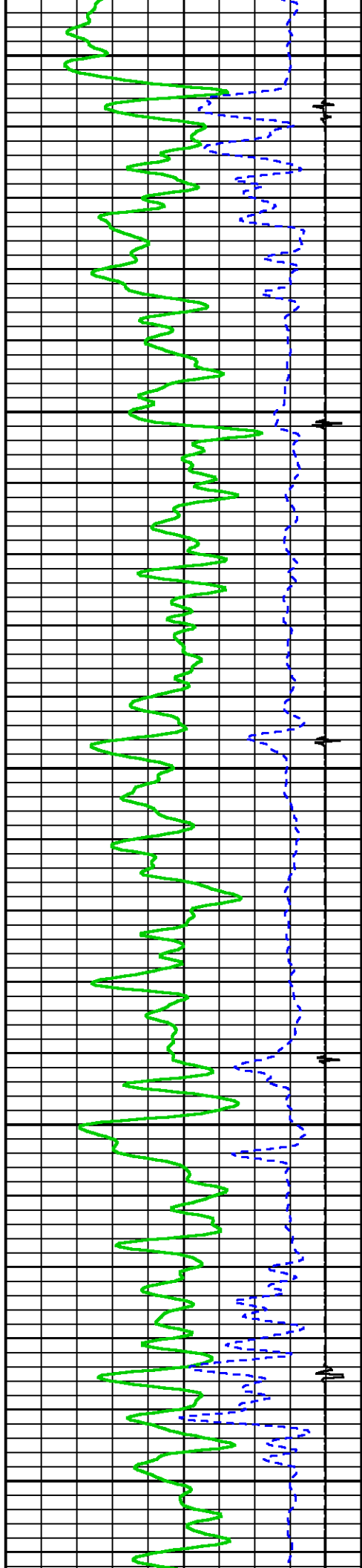
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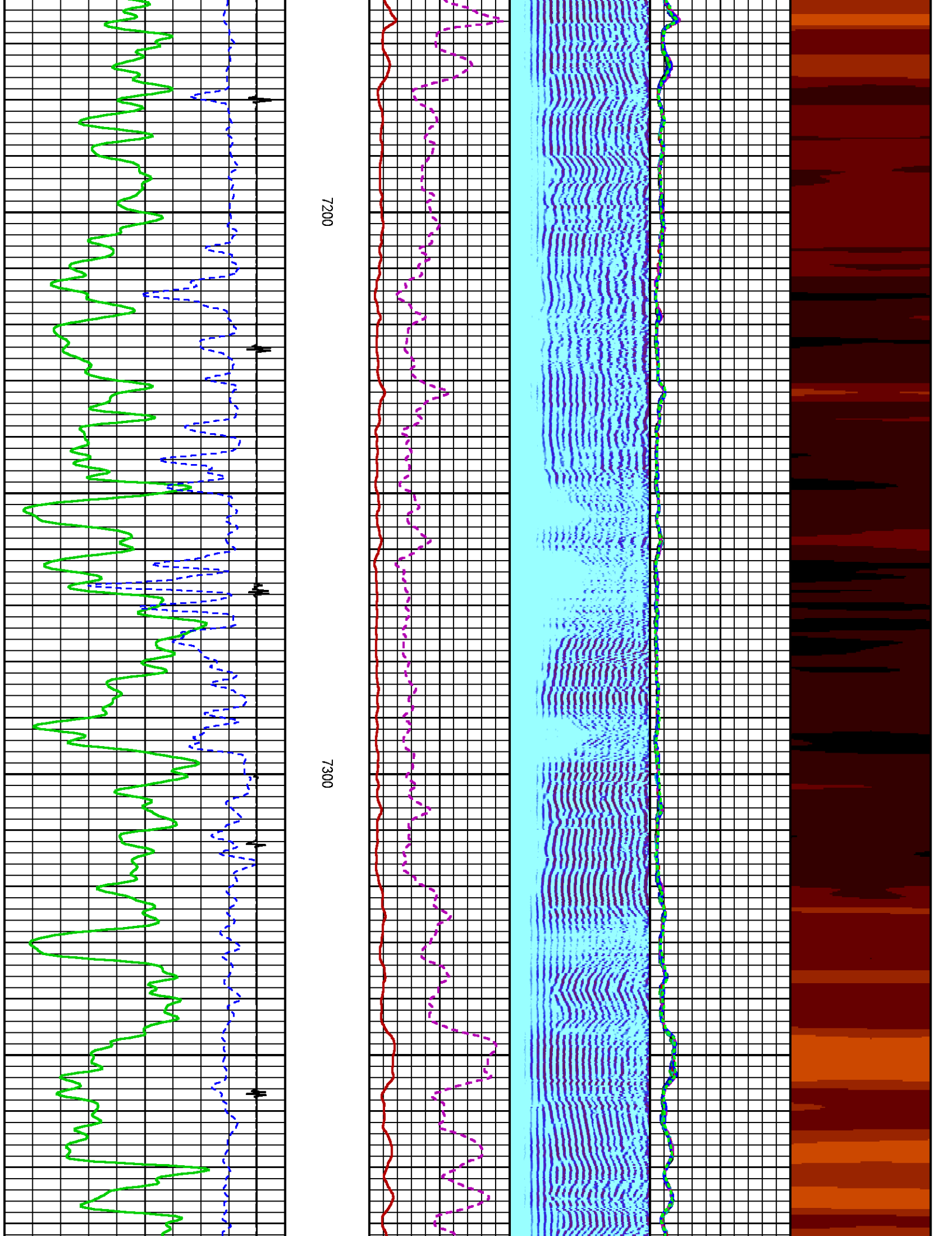


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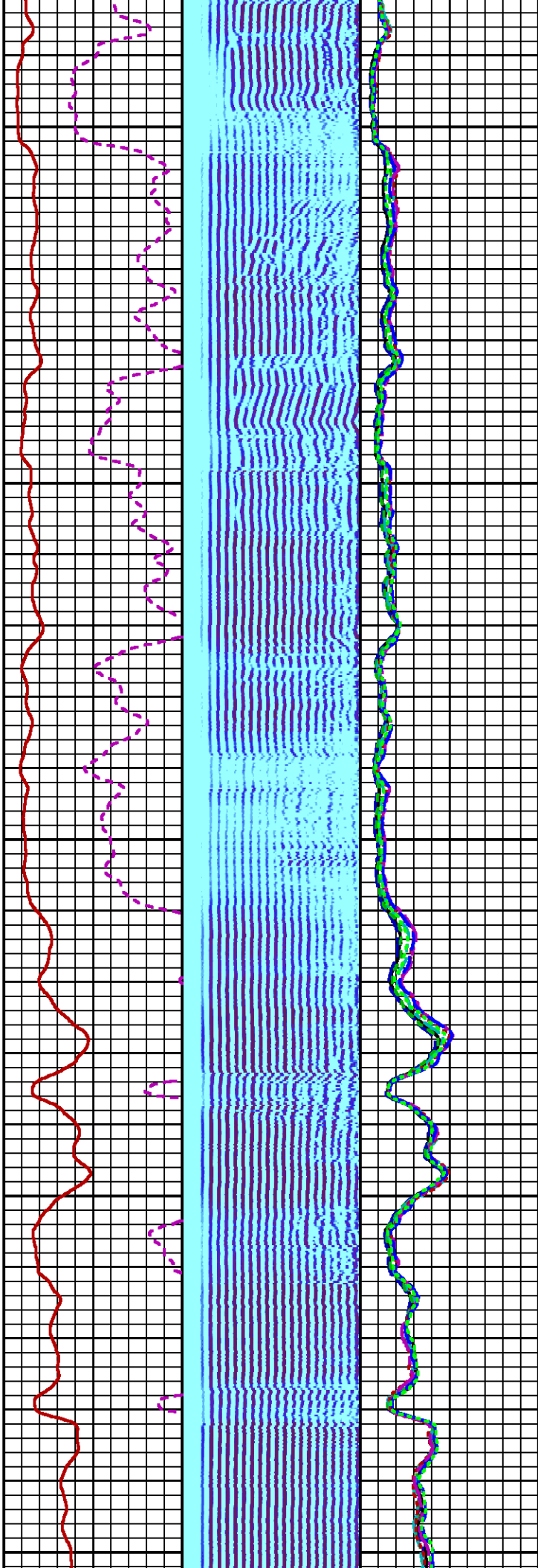
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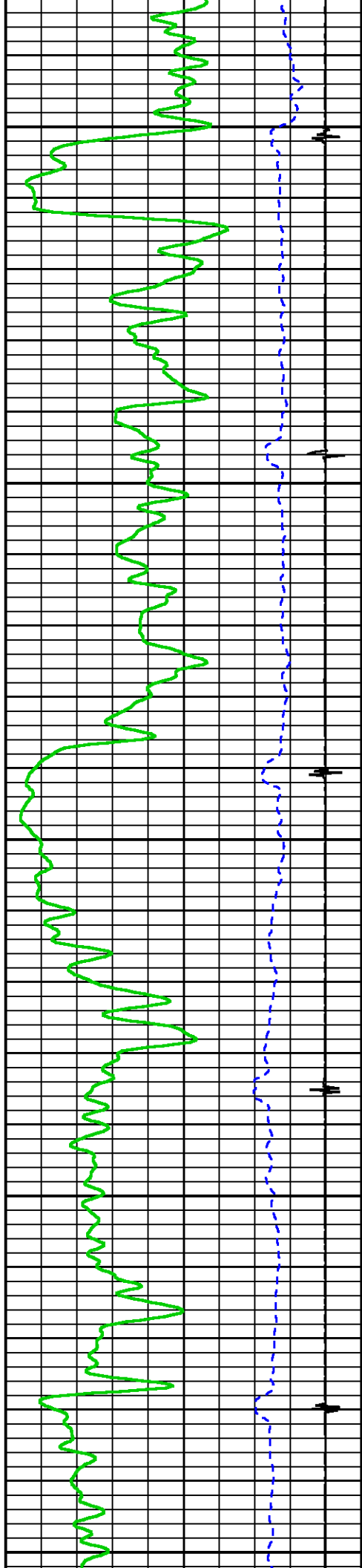


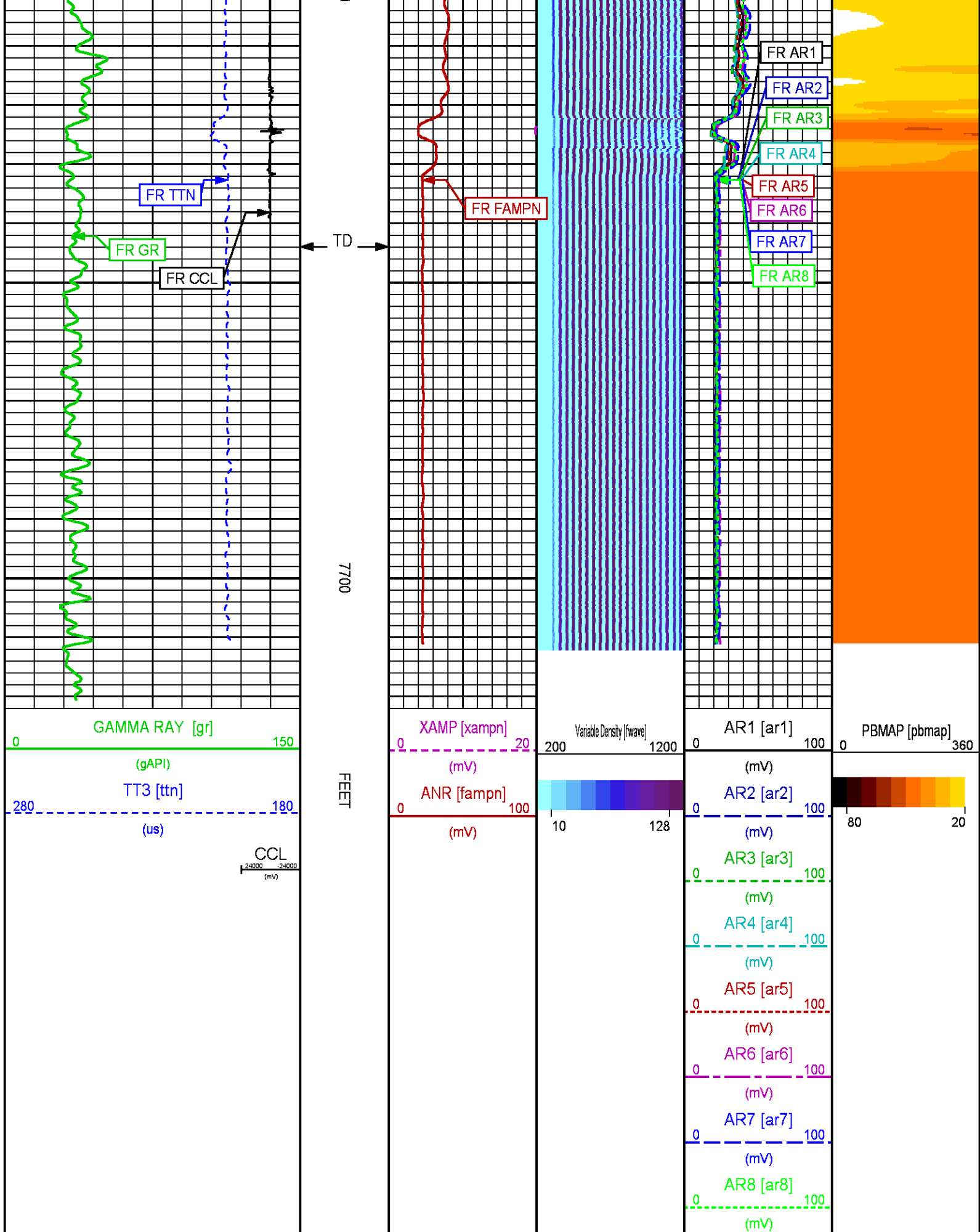


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# REPEAT PASS 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013

Updates: 1 Patches: 9

Plotted: Sun Aug 20 10:58:49 2017

## PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/LARAMIE\_BRUTON\_19\_18E/n012g01.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 7303.750 ft BOTTOM DEPTH: 7726.250 ft

### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1)		"	"
TRAVEL TIME	FILTER ()	medium (1)		"	"

### RAL CCL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

### ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	189	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	189	us	"	"
	AMP WINDOW START (fgp3*)	189	us	"	"
	AMP WINDOW START (fgp4*)	189	us	"	"
	AMP WINDOW START (fgp5*)	189	us	"	"
	AMP WINDOW START (fgp6*)	189	us	"	"
	AMP WINDOW START (fgp7*)	189	us	"	"
	AMP WINDOW START (fgp8*)	189	us	"	"
	AMP WINDOW START (fgpn*)	189	us	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
	TOOL DELAY (str2*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
	TOOL DELAY (str3*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
	TOOL DELAY (str4*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
	TOOL DELAY (str5*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
	TOOL DELAY (str6*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
	TOOL DELAY (str7*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
	TOOL DELAY (str8*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
	TOOL DELAY (strn*)	-63	us	TOP	7564.250
		-62	us	7564.250	7581.750
		-60	us	7581.750	BOTTOM
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	TOP	BOTTOM
	NOISE WINDOW LENGTH	25	us	"	"

## PERCENT BOND CEMENT MAP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE AMP REC 8	80	mV	"	"
RAL FULL BOND AMPLITUDE	FULL BOND AMP REC 1	2	mV	"	"
	FULL BOND AMP REC 2	2	mV	"	"
	FULL BOND AMP REC 3	2	mV	"	"
	FULL BOND AMP REC 4	2	mV	"	"
	FULL BOND AMP REC 5	2	mV	"	"
	FULL BOND AMP REC 6	2	mV	"	"
	FULL BOND AMP REC 7	2	mV	"	"
	FULL BOND AMP REC 8	2	mV	"	"

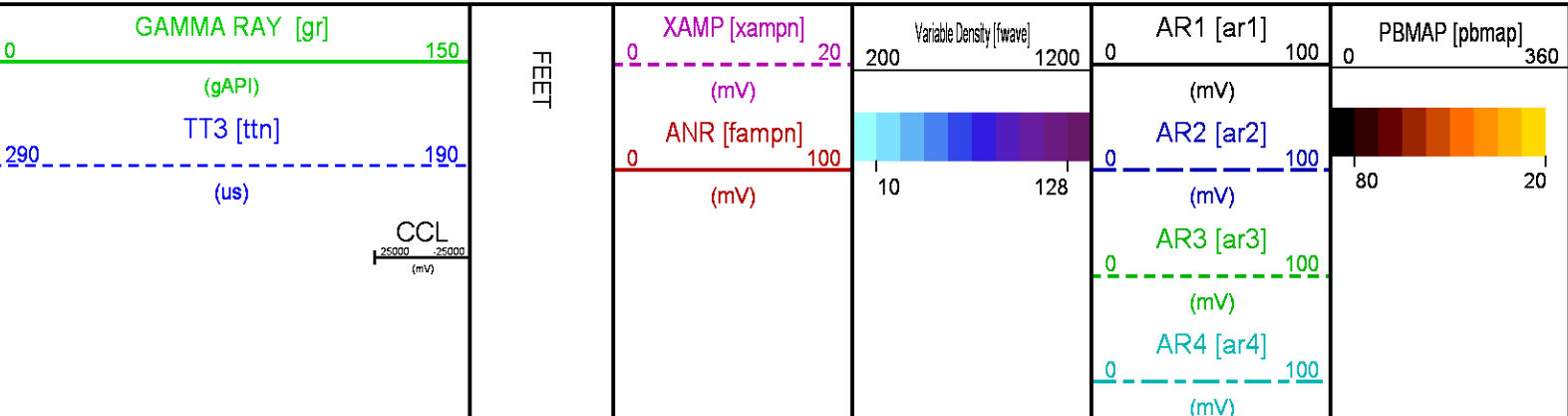
## CURVE DESCRIPTION REPORT

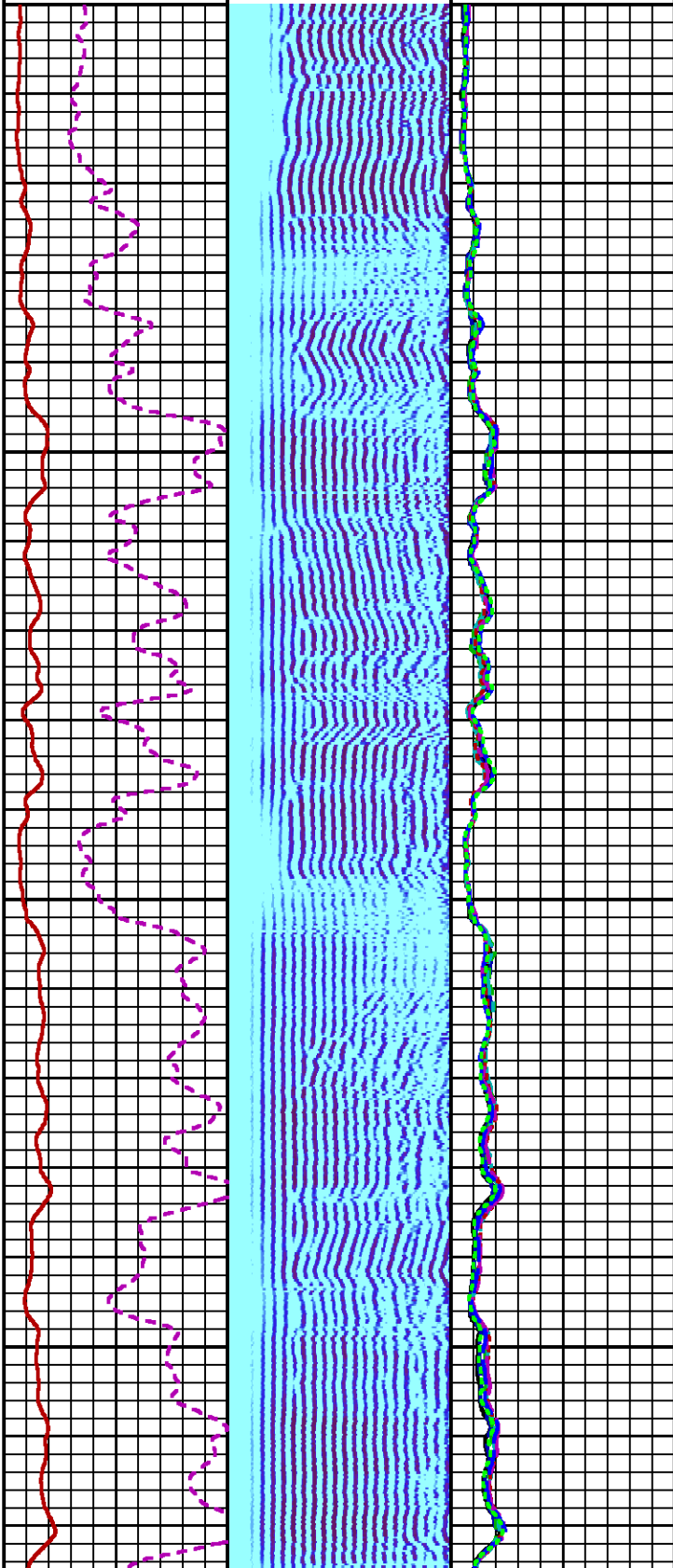
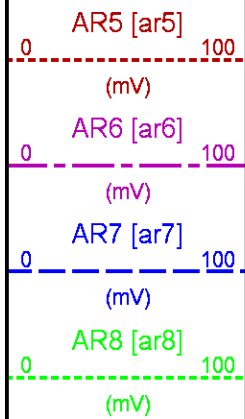
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE T-R1
F1:AR2	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE T-R2
F1:AR3	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE T-R3
F1:AR4	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE T-R4
F1:AR5	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE T-R5
F1:AR6	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE T-R6
F1:AR7	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE T-R7
F1:AR8	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE T-R8
F1:CCL	Aug 20 10:50:41 2017	CASING COLLAR LOCATOR
F1:FAMPN	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Aug 20 10:50:41 2017	FAR WAVE FORM
F1:GR	Aug 20 10:50:41 2017	GAMMA RAY
F1:PBMAP	Aug 20 10:50:41 2017	PERCENT BOND CEMENT MAP
F1:TTN	Aug 20 10:50:41 2017	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Aug 20 10:50:41 2017	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

## CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	11.25	AR5	11.25	CCL	5.75	XAMPN	11.25
AR2	11.25	AR6	11.25	FAMPN	11.25		
AR3	11.25	AR7	11.25	GR	1.75		
AR4	11.25	AR8	11.25	TTN	11.25		

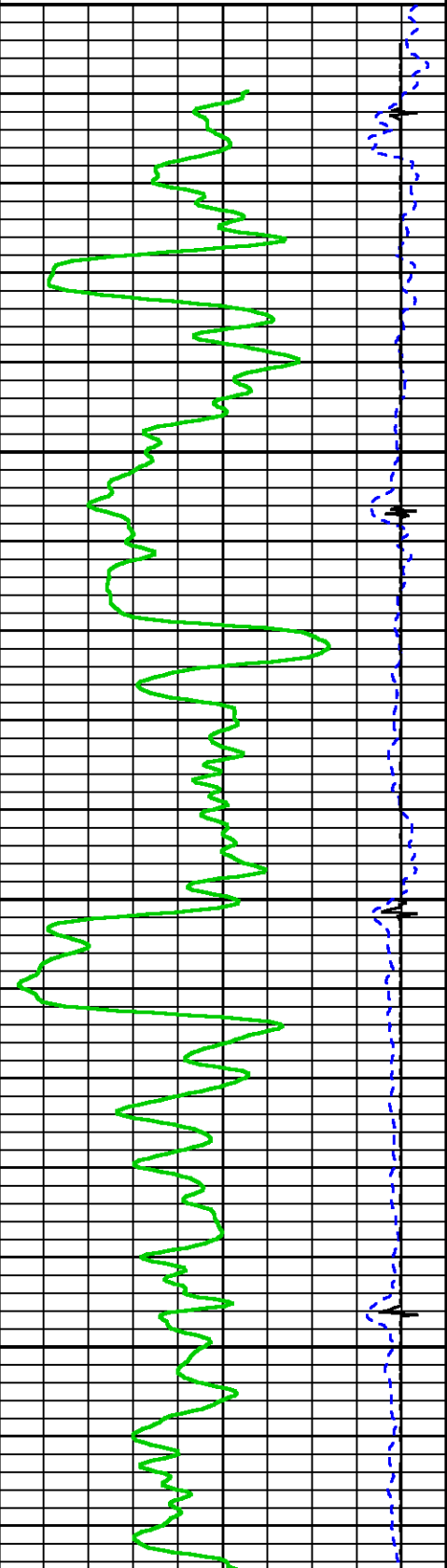
**Presentation** : cpu100:BRUTON\_19\_18E\_RAL\_REPEAT.fvpdf [5"/100' Scale]  
**Plot Interval** : 7293.5 - 7725.25 Feet  
  
**Data File 1** : F1 : cpu100:/dat1a/LARAMIE\_BRUTON\_19\_18E/BRUTON\_19\_18E\_RAL\_RPT.xtf  
**Created On** : Aug 20 10:50:41 2017  
**Company** : LARAMIE ENERGY  
**Well** : BRUTON 19-18E  
**Field** : MESA  
**File Interval** : 7292.5 - 7726.5 Feet  
**OCT** : n012g



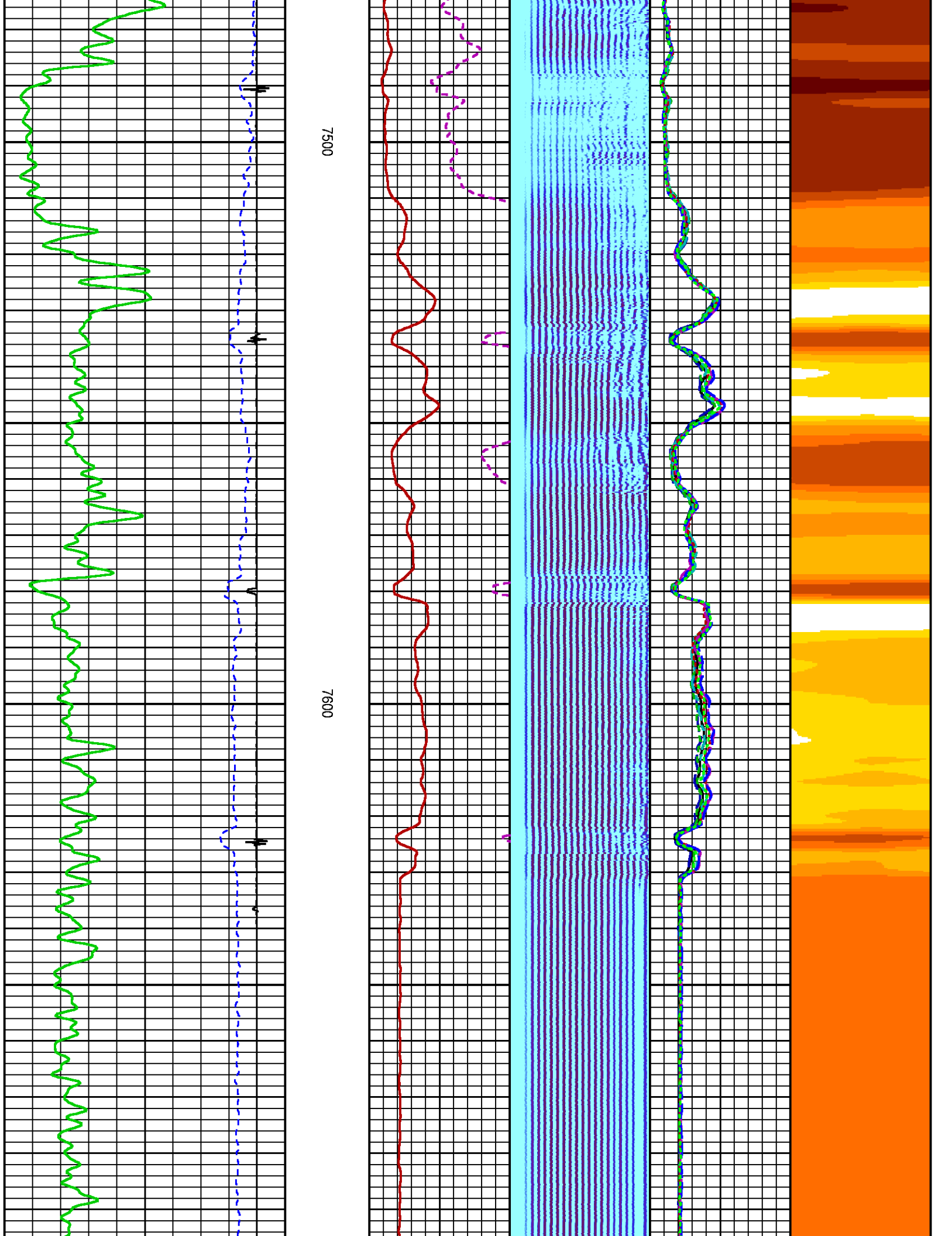


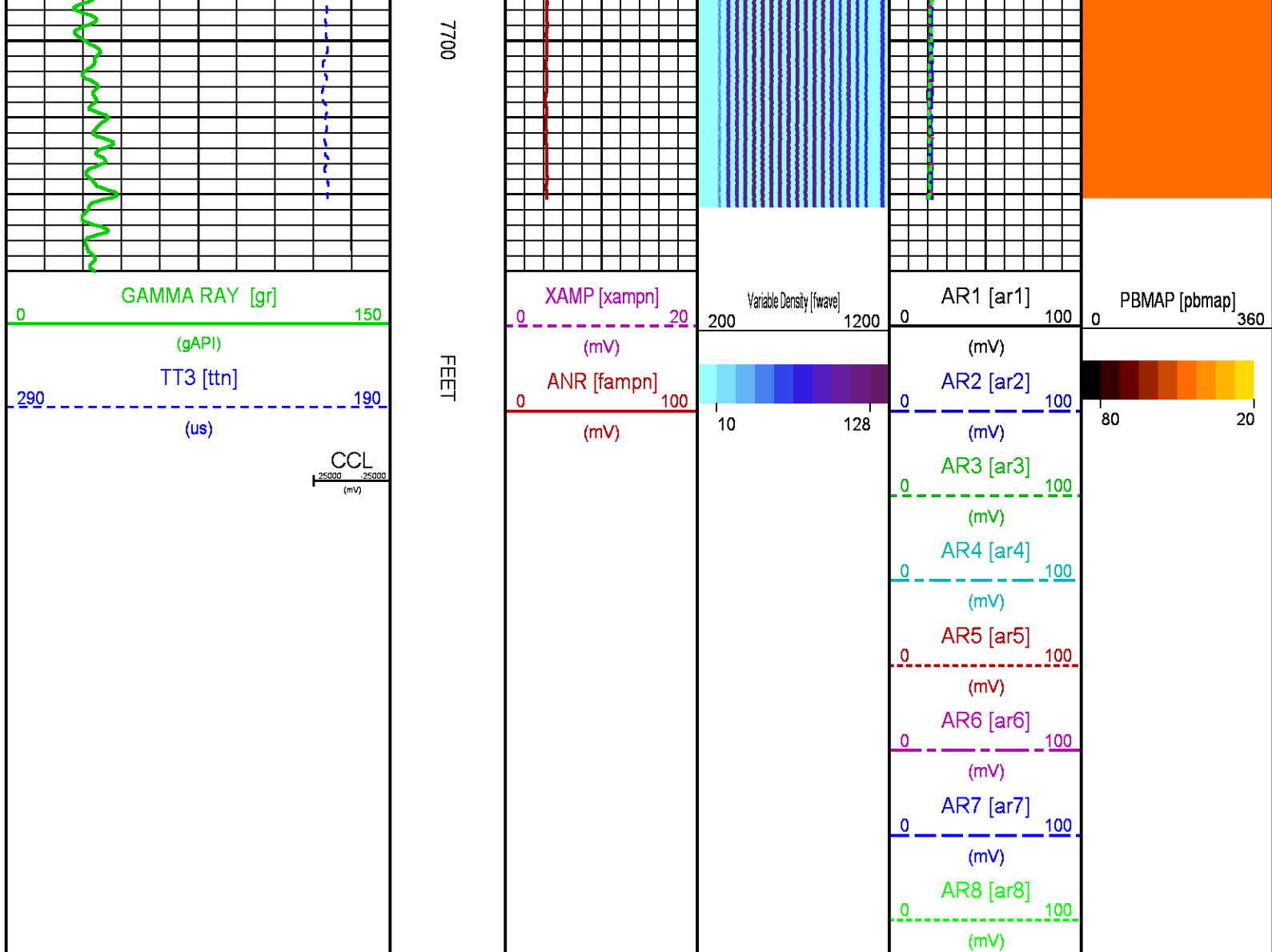
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### CALIBRATION / VERIFICATION SUMMARY

Source File: \data\ARAME\_BRUTON\_19\_18E\012g.tpt

#### RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA10218496

DATE/TIME PERFORMED: Fri Aug 18 15:15:52 2017

UNIT #: 3880TA HL6670

NEAR (mV) RADIAL (mV) FAR (mV)  
TARGETS 100.00 100.00 150.00

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
ZERO (mV)	0.04	0.10	-0.04	0.04	0.11	0.10	0.12	0.03	0.05	0.84	0.08
AMP FLUID (mV)	85	84	83	83	85	85	86	86	85	114	83
TT (us)	203	204	204	204	202	201	200	200	204	312	204
M FACTOR	1.18	1.19	1.21	1.20	1.18	1.17	1.17	1.17	1.18	1.33	1.20

#### RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA10218496

DATE/TIME PERFORMED: Fri Aug 18 15:22:13 2017

DAYS SINCE CAL: 0

UNIT #: 3880TA HL6670

CABLE #: HL6670 6670SL

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
ZERO (mV)	0.14	0.10	0.01	0.05	0.07	0.11	0.05	0.18	0.08	0.99	-0.06

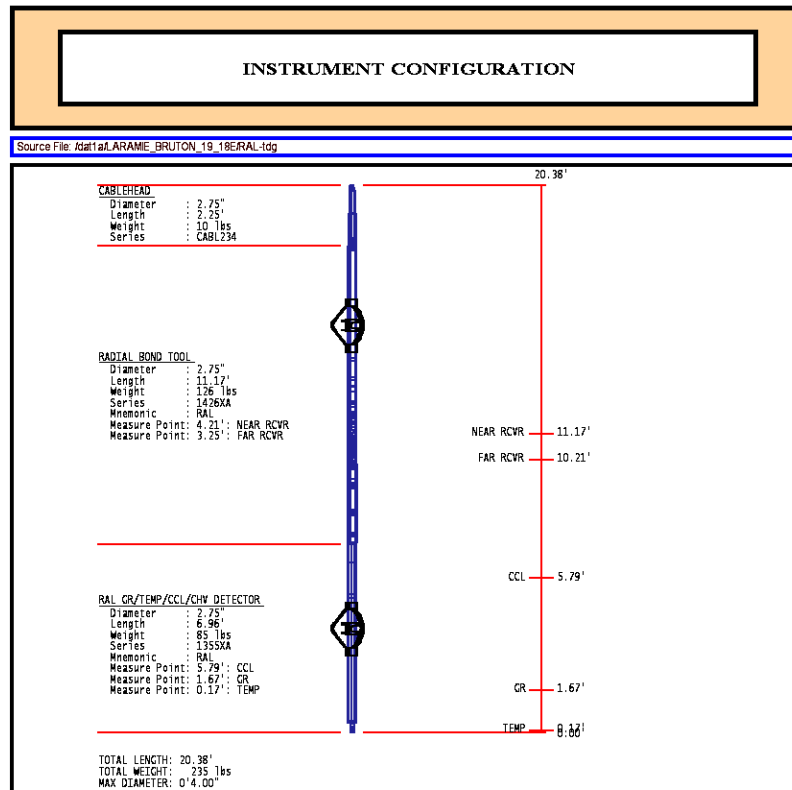
AMP FLUID (mV)	3.76	3.66	3.60	3.88	3.36	3.08	3.36	3.03	3.87	4.60	06.33
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SHOP	SHOP	WIRELINE
M FACTOR	A FACTOR	FACTOR
1.20	0.00	1.04

GR PRIMARY CALIBRATION SUMMARY						
TOOL #: 1355XA12670180		DATE/TIME PERFORMED: Fri Dec 23 11:53:22 2016				
UNIT #: 3880TA-HL6670		CALB JIG #: 4702NKDA_228				
BACKGROUND	CALBRTR ON	CR DIFF	MULT	BACKGROUND	CALBRTR ON	CALBRTR
(cts)	(cts)	(cts/fs)		(gAPI)	(gAPI)	(gAPI)
GR 75.82	247.07	171.2	0.584	44.28	144.28	100

GR PRIMARY VERIFICATION SUMMARY						
TOOL #: 1355XA12670180		DATE/TIME PERFORMED: Fri Dec 23 11:54:47 2016				
UNIT #: 3880TA-HL6670		VERI JIG #: 4702NKDA_228				
BACKGROUND	CALBRTR ON	MULT	BACKGROUND	CALBRTR ON	DIFF.	
(cts)	(cts)		(gAPI)	(gAPI)	(gAPI)	
GR 77.11	254.76	0.584	45.03	148.77	103.74	
					NOISE 100.00	



	<b>COMPANY</b> <u>LARAMIE ENERGY</u> <b>WELL</b> <u>BRUTON 19-18E</u> <b>FIELD</b> <u>VEGA</u> <b>COUNTY</b> <u>MESA</u> <b>STATE</b> <u>COLORADO</u>	<b>FILE NO:</b> _____ <b>API NO:</b> <u>05077103690000</u>	
	<b>LOCATION:</b> SHL: LAT:39.255232N;LONG:107.806537W BHL: LAT:39.257858N;LONG:107.807052W SEC <u>19</u> TWP <u>9S</u> RGE <u>93W</u>	<b>ELEVATIONS:</b> KB 7449 FT DF 7448 FT GL 7425 FT	
	<b>DATE</b> <u>20-AUG-2017</u>		