



FILE NO: CH100859	COMPANY WELL FIELD COUNTY	WPX ENERGY INC FEDERAL RU 344-5 RULISON GARFIELD	STATE COLORADO
API NO: 05045227850000			

Ver. 4.05 SEC 5 TTS R93W PAD: RU 21-8 RIG: H&P 318	LOCATION: SHL:616FNL & 1937FWL, SEC8 TTS R93W BHL:271FSL & 1260FEL, SEC5 TTS R93W SEC 5 TWP 7S RGE 93W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	G.L. ELEVATION 7736 FT K.B. 24 FT ABOVE P.D. K.B.	ELEVATIONS: KB 7760 FT DF GL 7736 FT
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DATE	12-Nov-2015
RUN	1
SERVICE ORDER	US100859J
DEPTH DRILLER	10316 FT
DEPTH LOGGER	10269 FT
BOTTOM LOGGED INTERVAL	10267 FT
TOP LOGGED INTERVAL	SURFACE
TIME STARTED	06:30
TIME FINISHED	10:00
OPERATOR RIG TIME	3.5 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	59 FT
LOGGED CEMENT TOP	SEE LOG
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	100 F/MN
MAX. RECORDED TEMP.	237 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	HL-6685
LOCATION	GRAND JCT.
RECORDED BY	SPENCER
WITNESSED BY	DYLAN GOUDIE

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.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
13.5 IN	0 FT	1200 FT
8.75 IN	1200 FT	10396 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			0 FT	1200 FT
4.5 IN	11.6 LB/F	P-110	0 FT	10396 FT

REMARKS

RUN 1 TRIP 1: ALL DATA ON THIS LOG HAS BEEN SHIFTED TO PUT THE TOP CCL MARK (WELLHEAD) ON DEPTH WITH GROUND LEVEL AT REQUEST OF THE CLIENT

THIS IS THE FIRST LOG RUN ON THIS WELL

THE AMOUNT OF LINEAR SHIFT IS +9 FEET

BHT = 237 DEGF

SHORT JOINT = 6558' - 6581'

THANKS FOR CHOOSING BAKER HUGHES...THE BEST CHOICE!
CREW: COATE / OLSON

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	RAL	1426XA	10154957	CENTRALIZED
1	1	GR/TEL/TEMP	1355XA	12670181	CENTRALIZED

PRIMARY PRESENTATION 0 PSI

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

Updates: 1 Patches: 8

Plotted: Thu Nov 12 10:42:38 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH100859/n012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 13.750 ft BOTTOM DEPTH: 10269.000 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1) light (2a)		TOP 9372.000	BOTTOM 9372.000
TRAVEL TIME	FILTER ()	medium (1)		TOP	BOTTOM

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 (fgpn*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	24	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	175	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 (strn*)	-69	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Nov 12 08:23:07 2015	CASING COLLAR LOCATOR
F1:FAMPN	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Nov 12 08:23:07 2015	FAR WAVE FORM
F1:GR	Nov 12 08:23:07 2015	GAMMA RAY
F1:TTN	Nov 12 08:23:07 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER

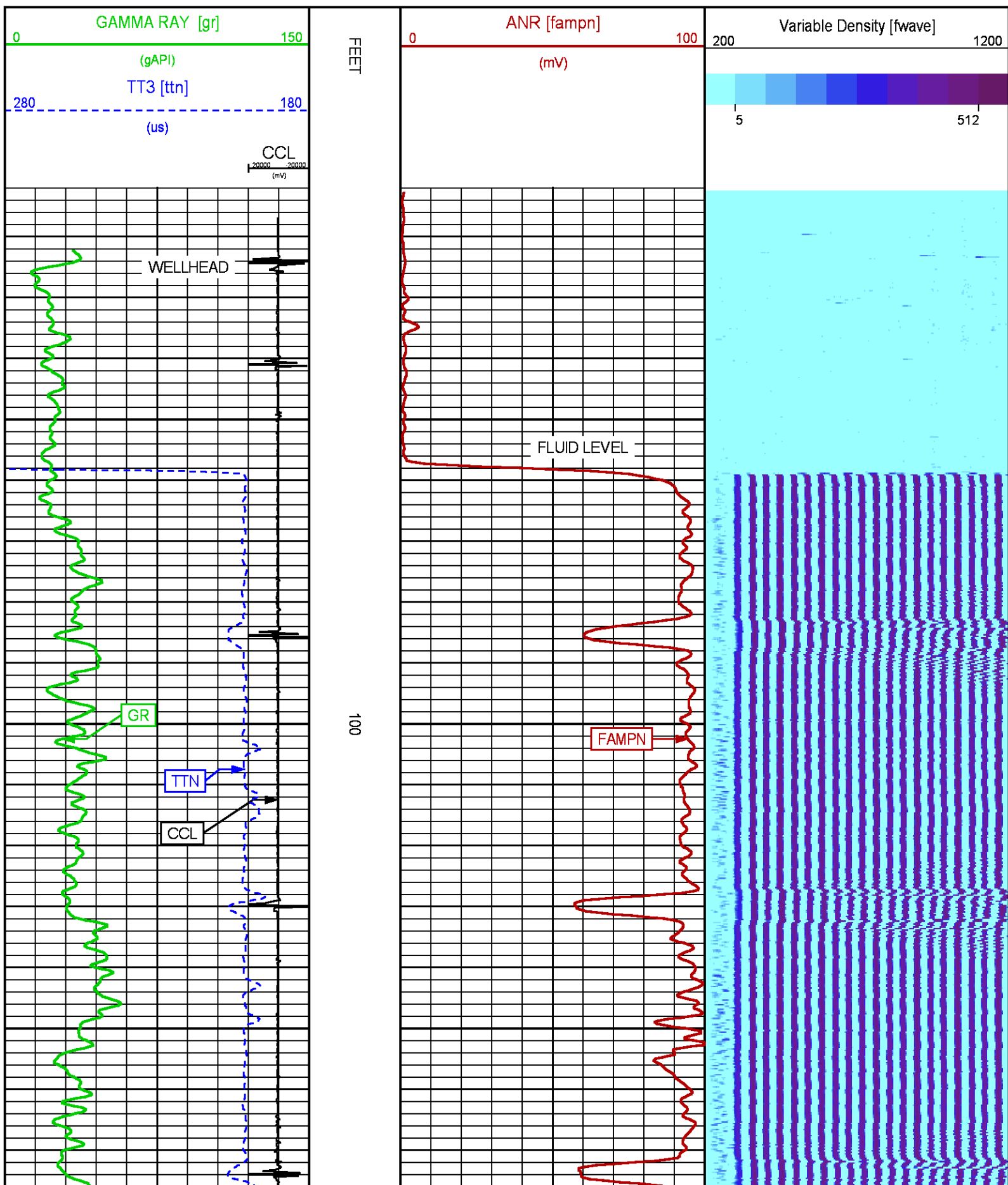
CURVE MEASURE POINT OFFSET

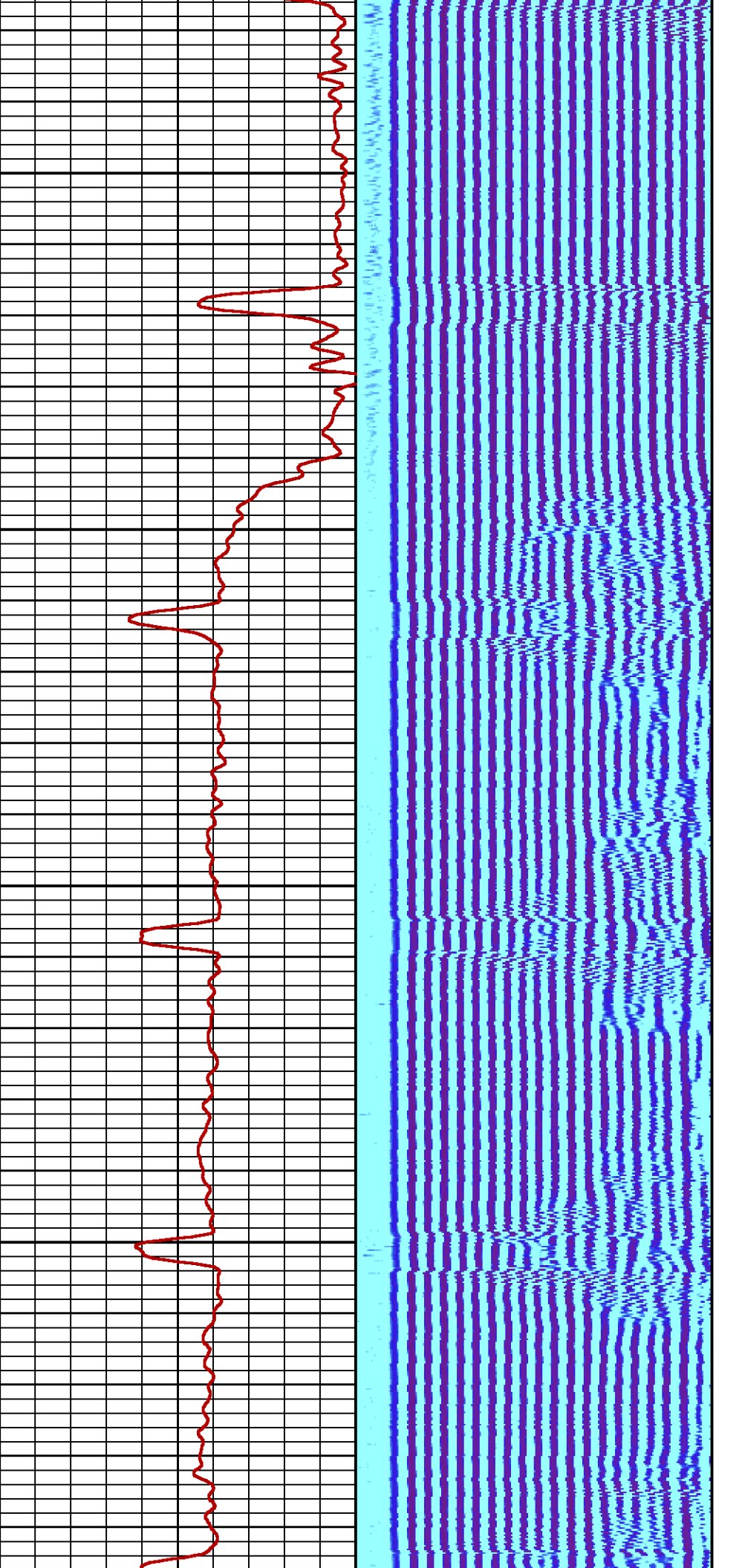
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	FAMPN	11.25	GR	1.75	TTN	11.25

Presentation : cas6685:/dat1a/CH100859/WPX_RAL-MAIN.fvpdf [5"/100' Scale]

Plot Interval : 12.5 - 10276.5 Feet

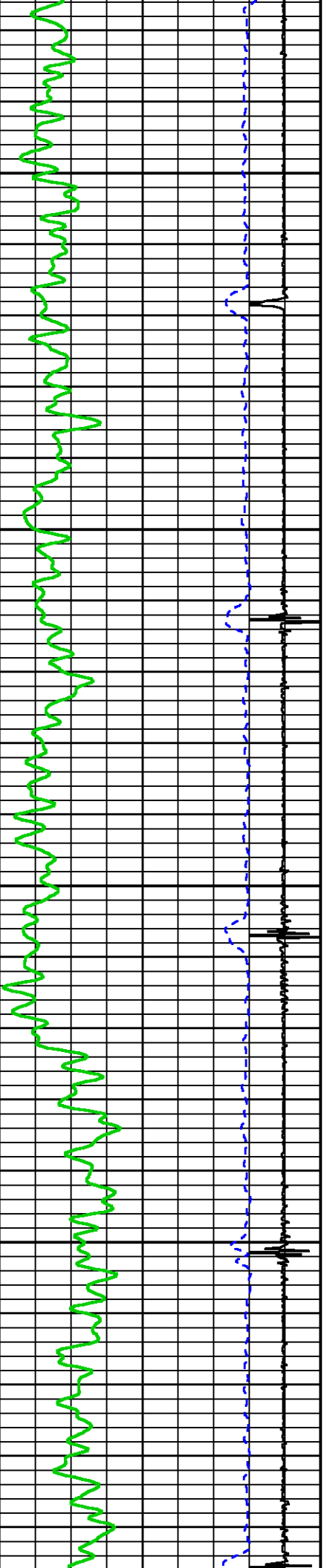
Data File 1 : F1 : cas6685:/dat1a/CH100859/n012g02.xtf
Created On : Nov 12 08:23:07 2015
Company : WPX ENERGY INC
Well : RU 344-5
Field : RULISON
File Interval : 11.5 - 10278 Feet
OCT : n012g

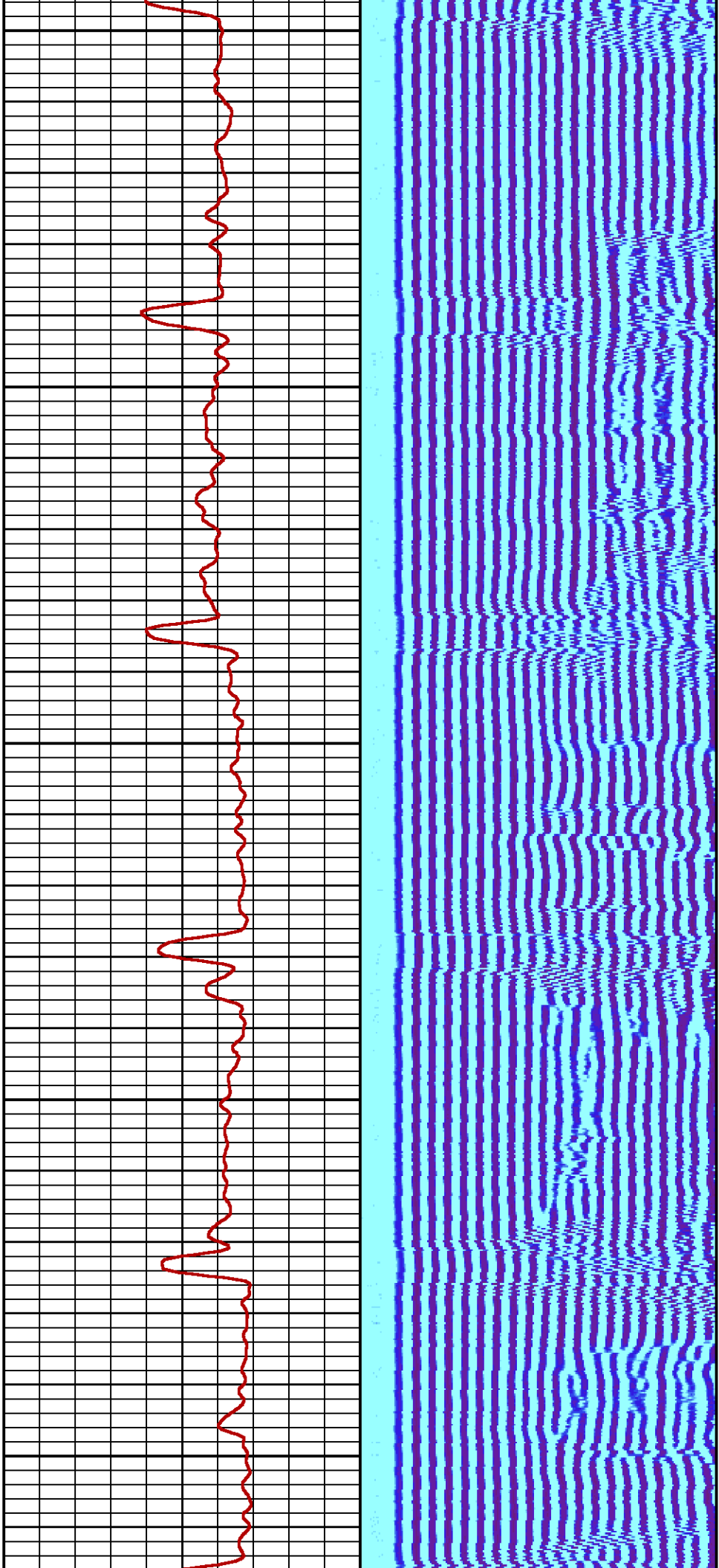




200

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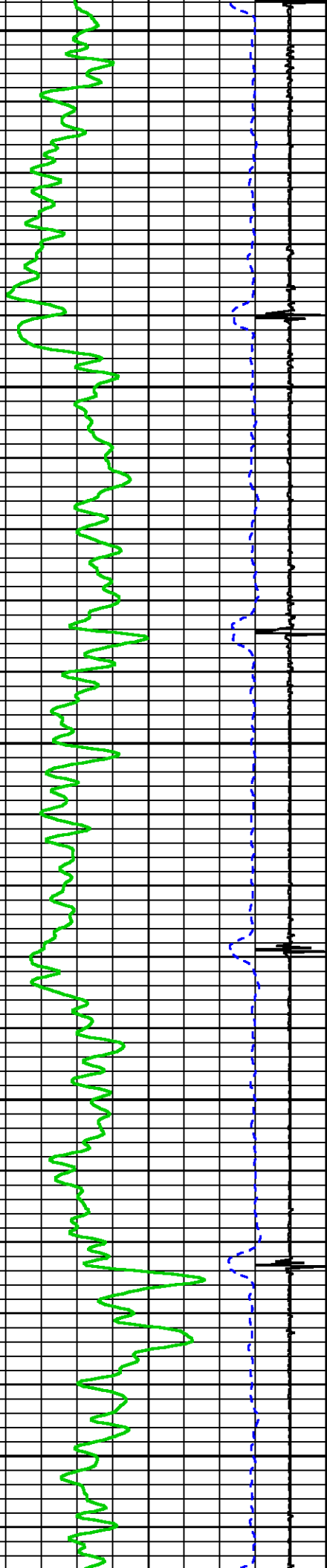


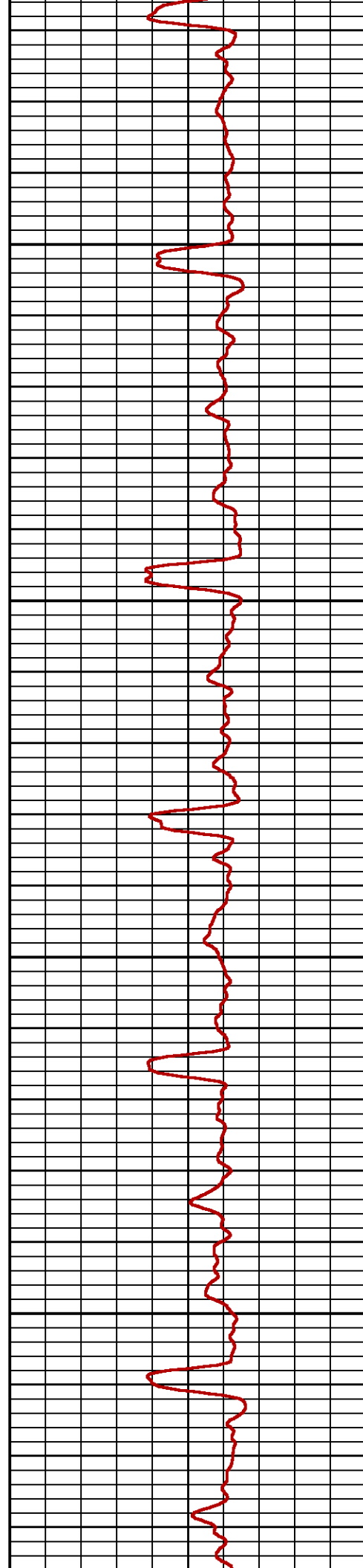
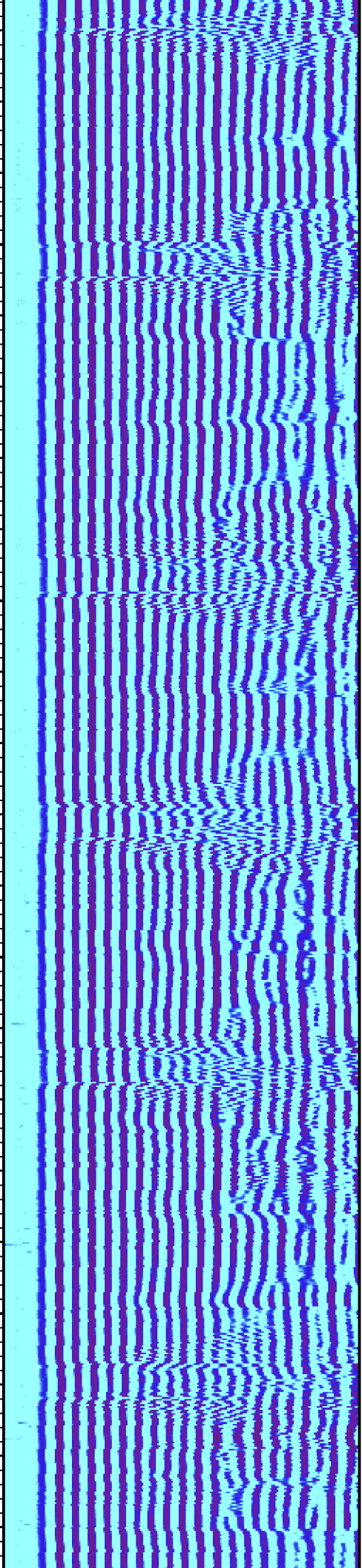


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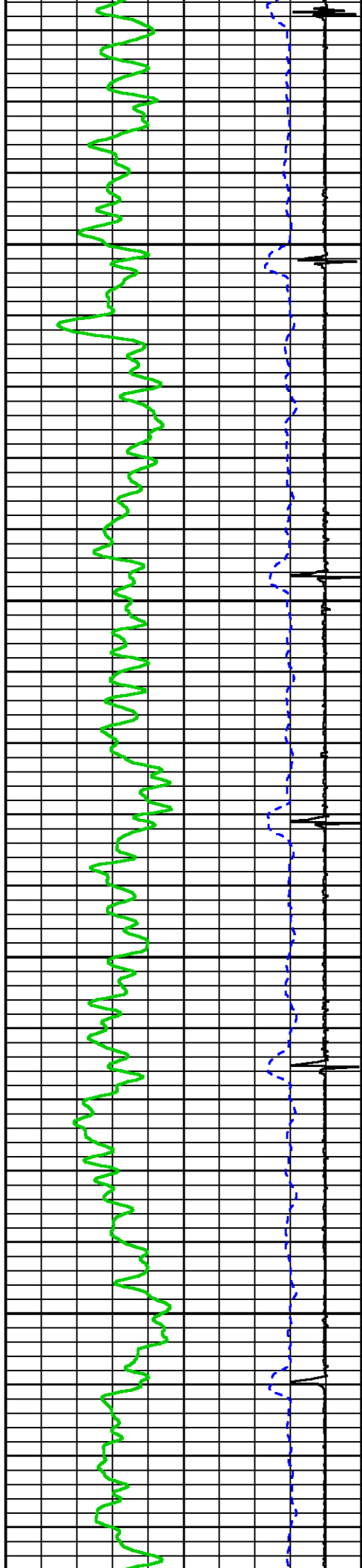
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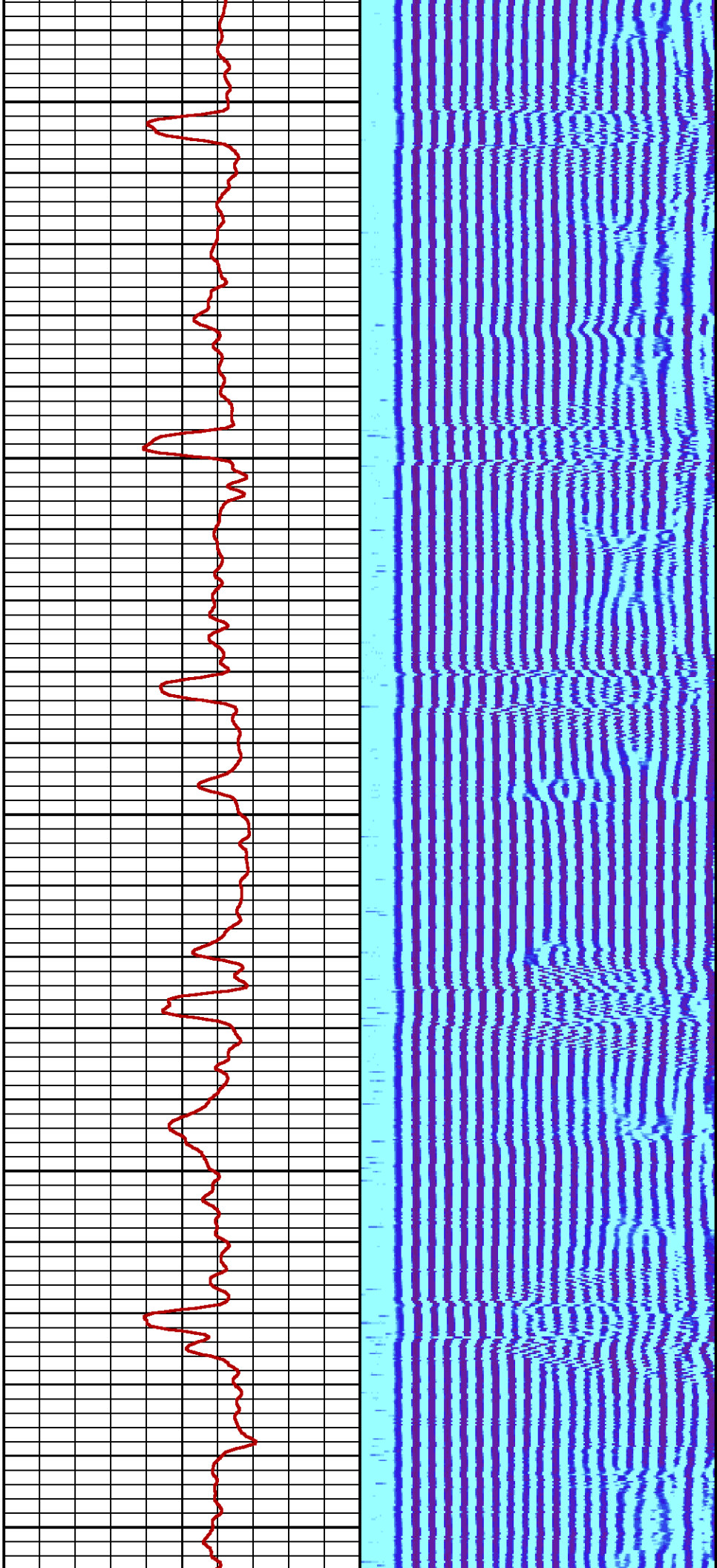




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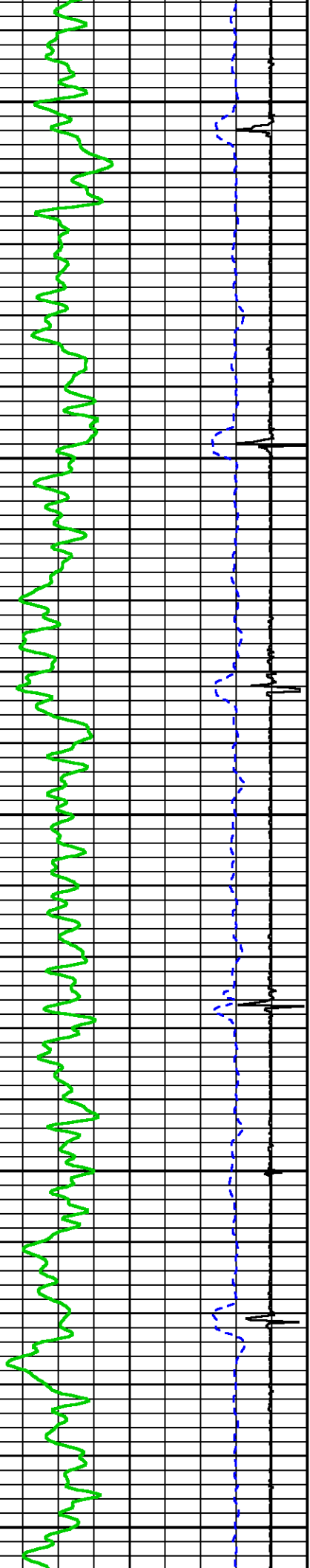
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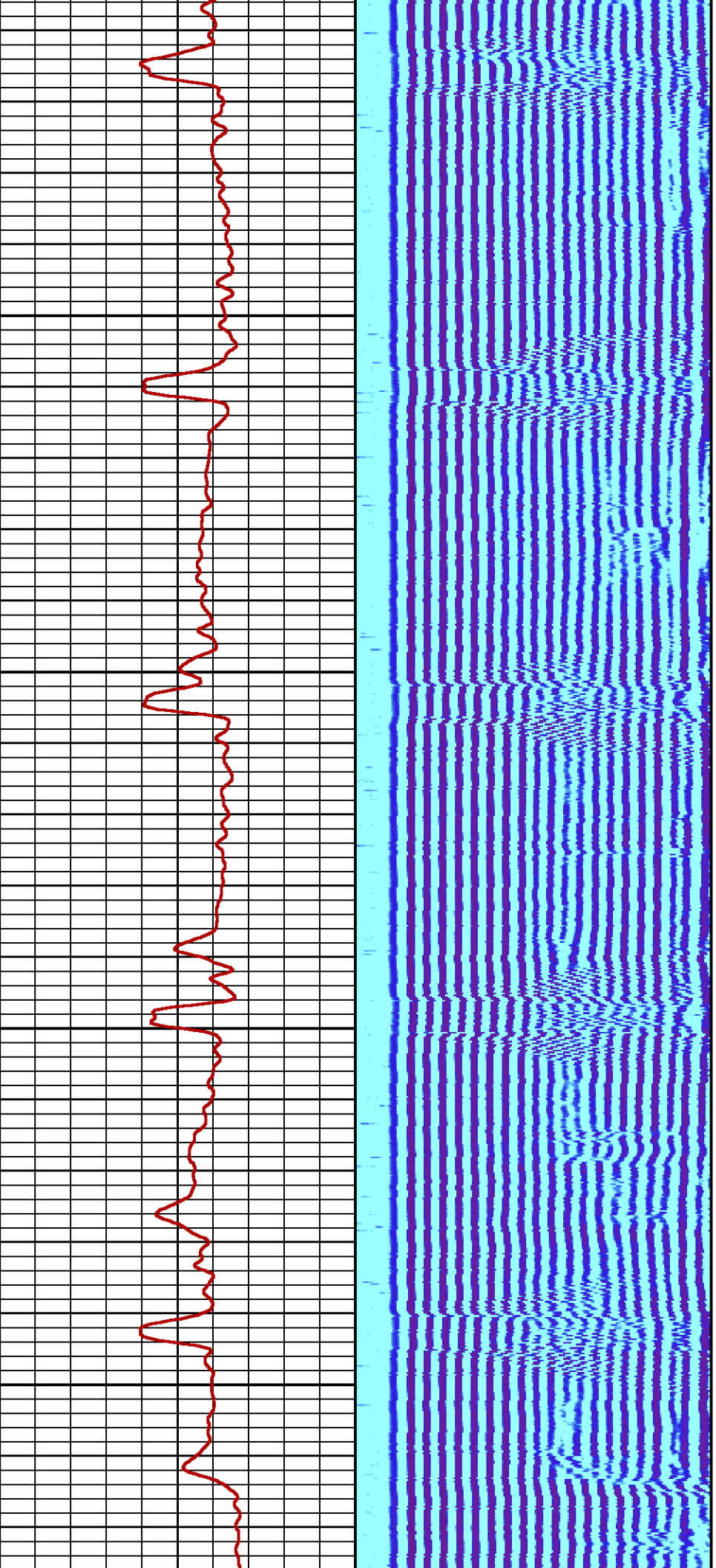




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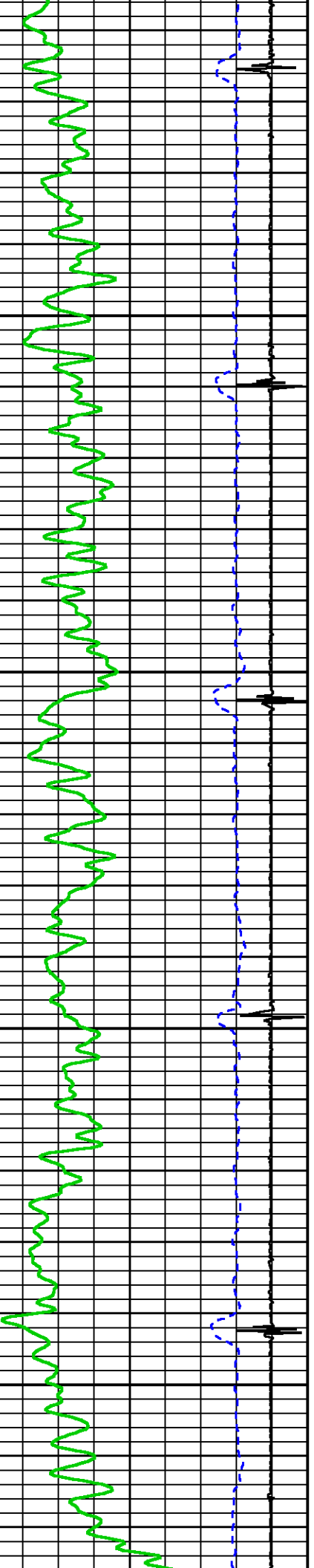
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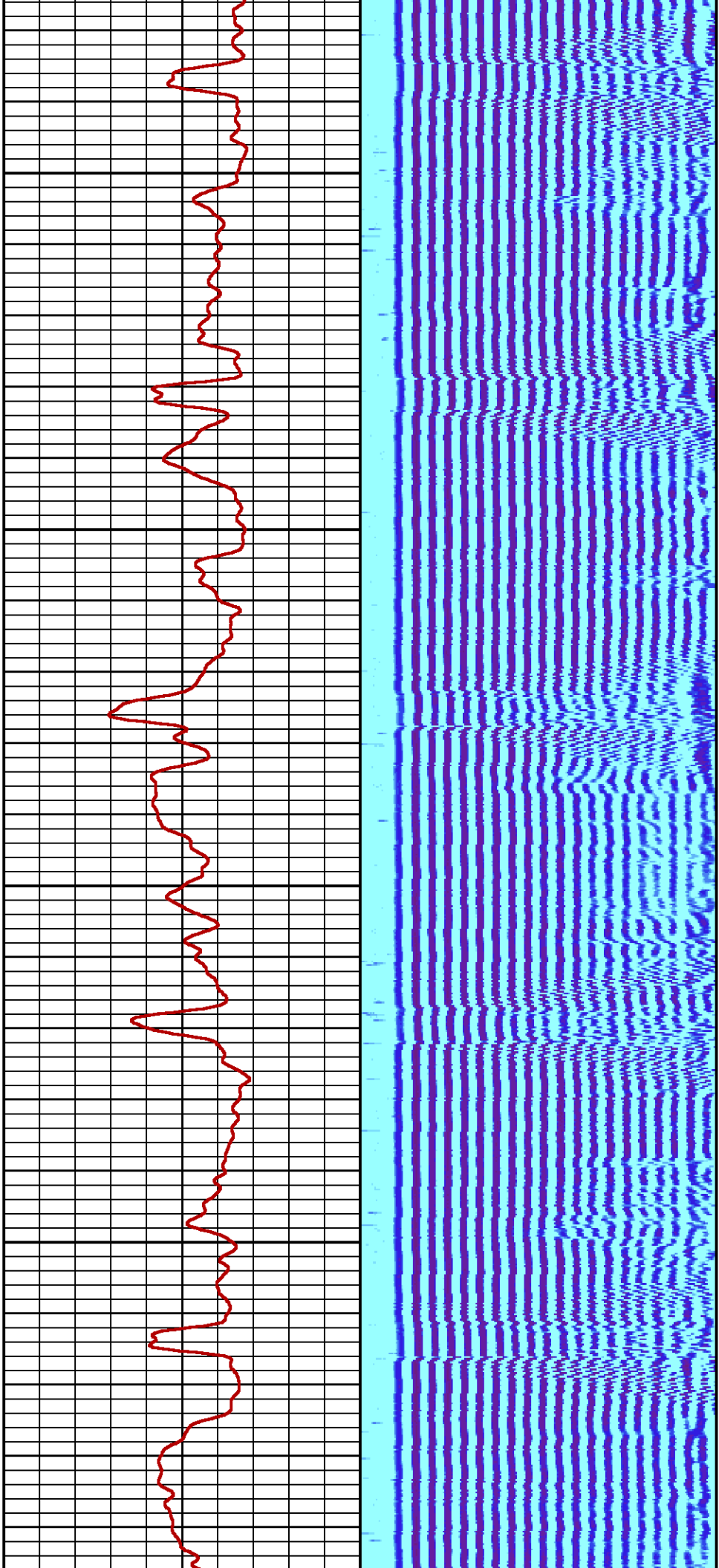




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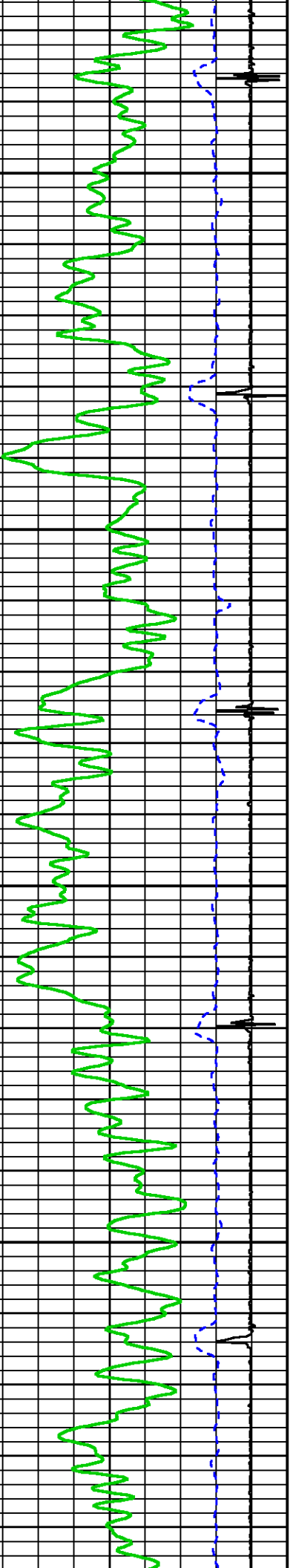
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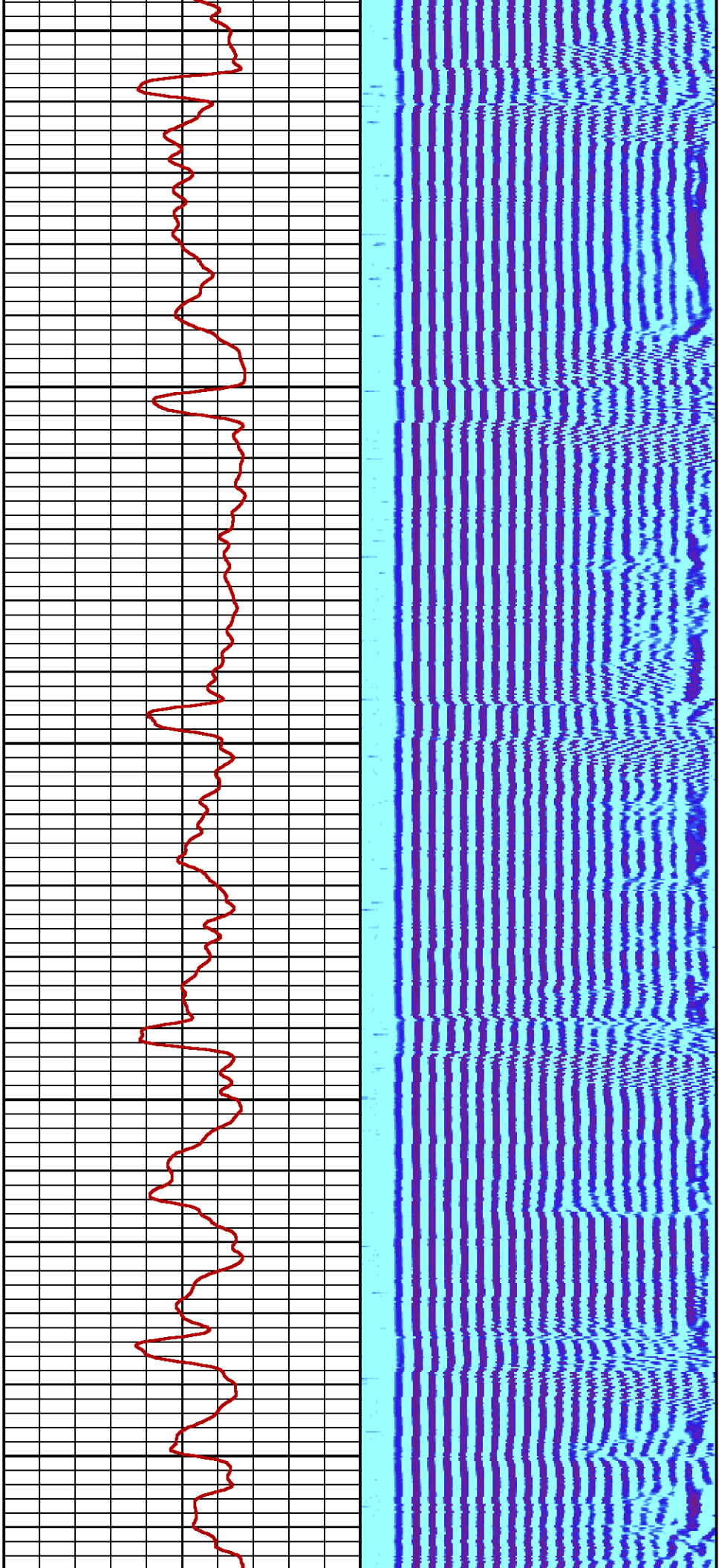




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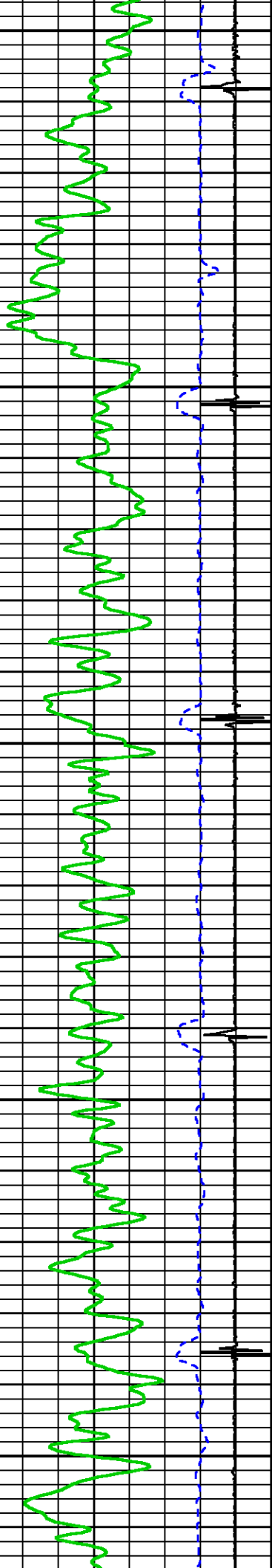


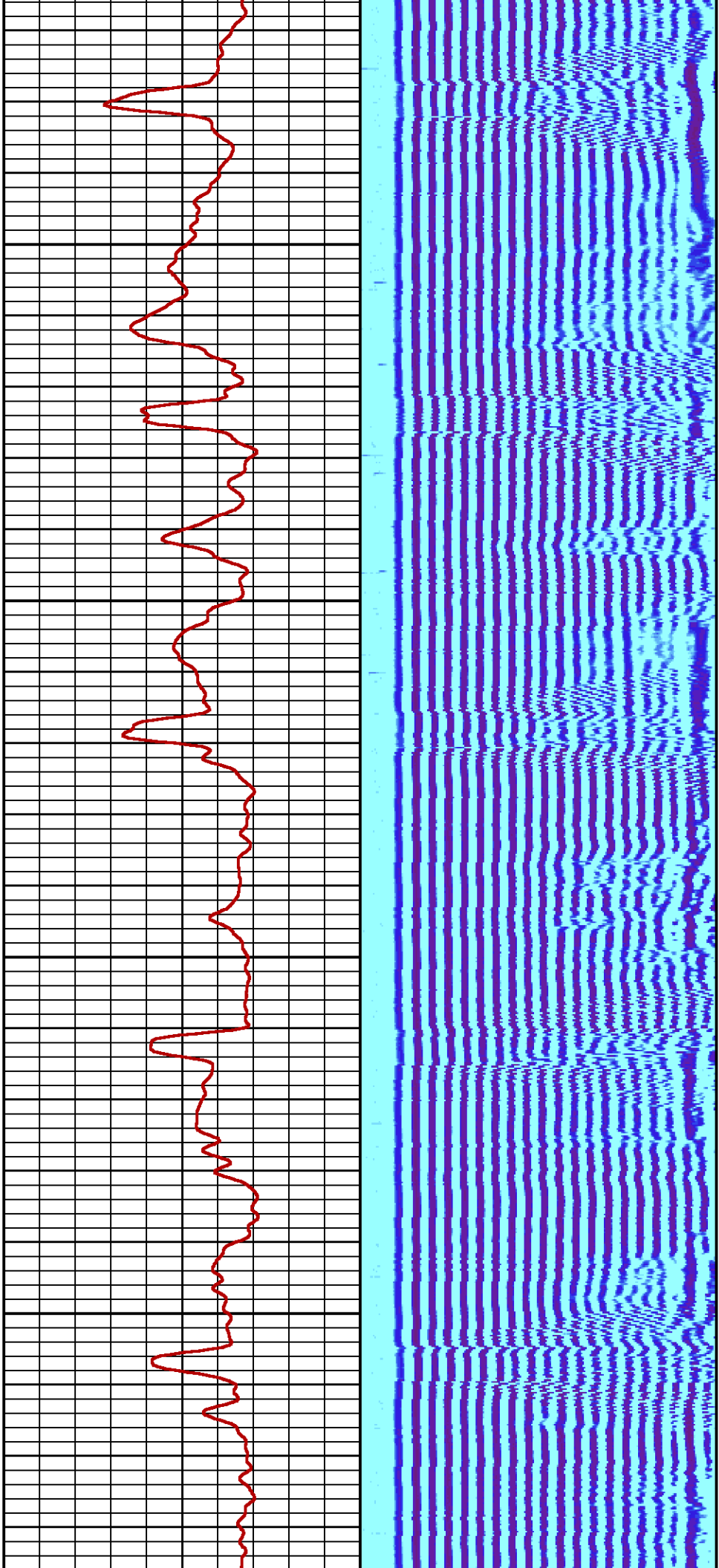


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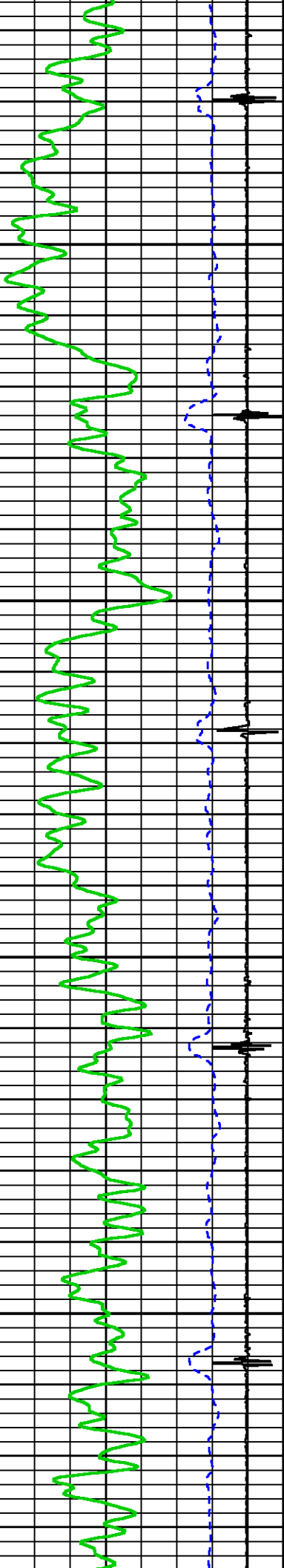
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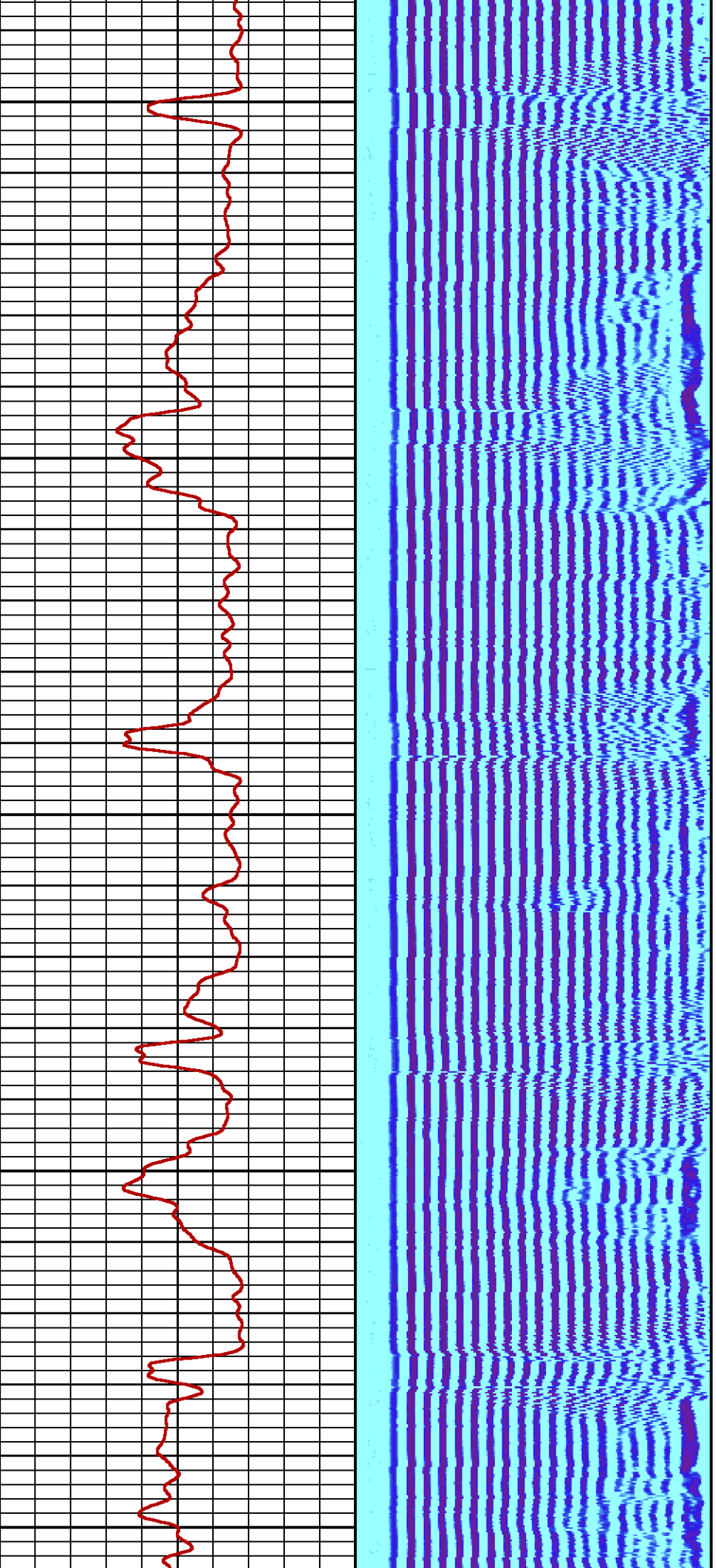




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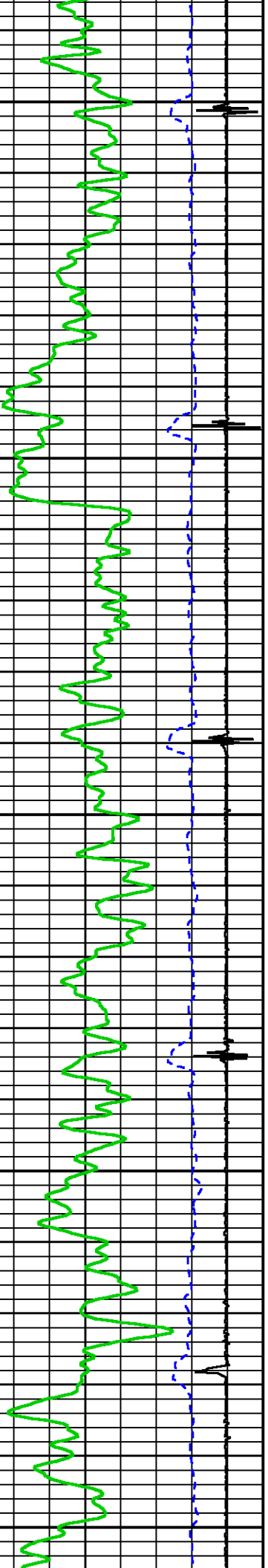
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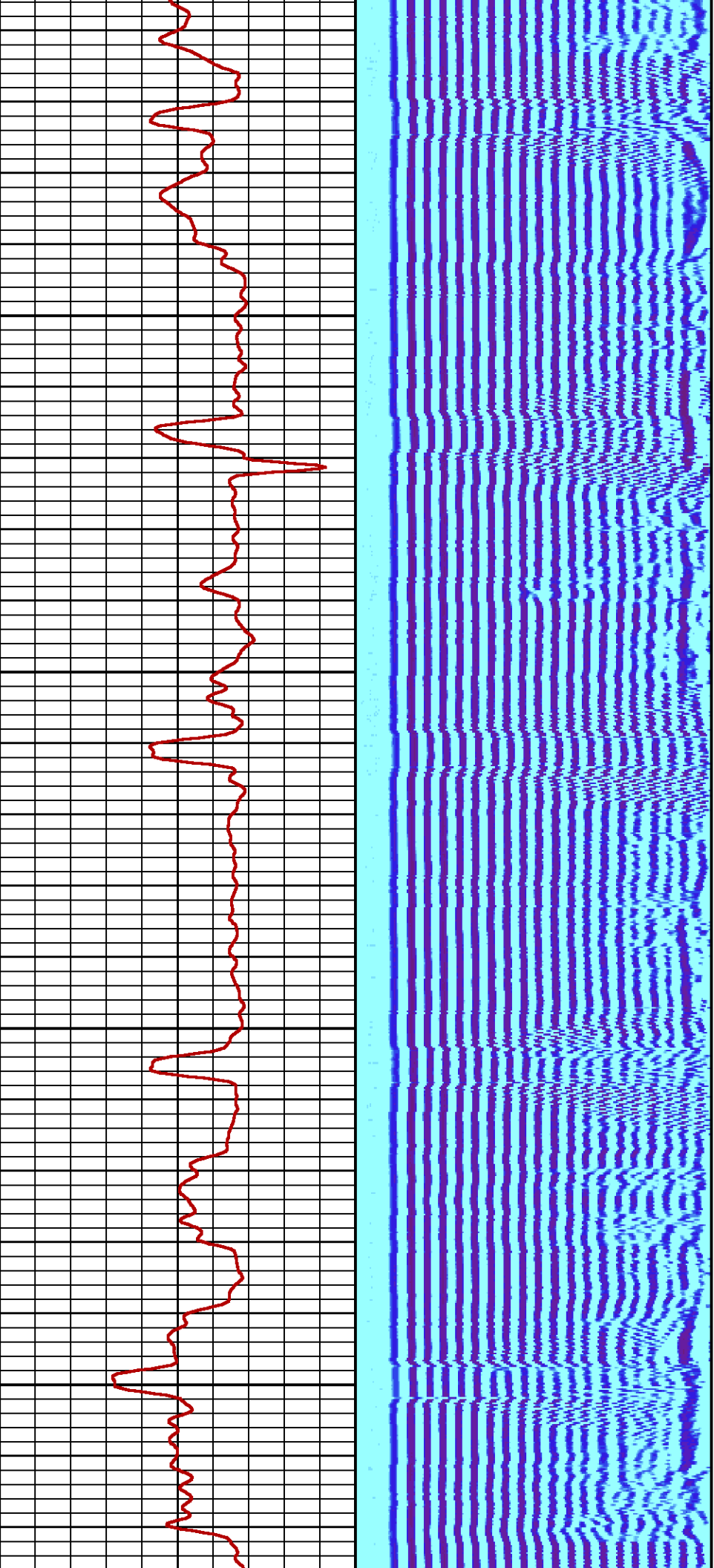




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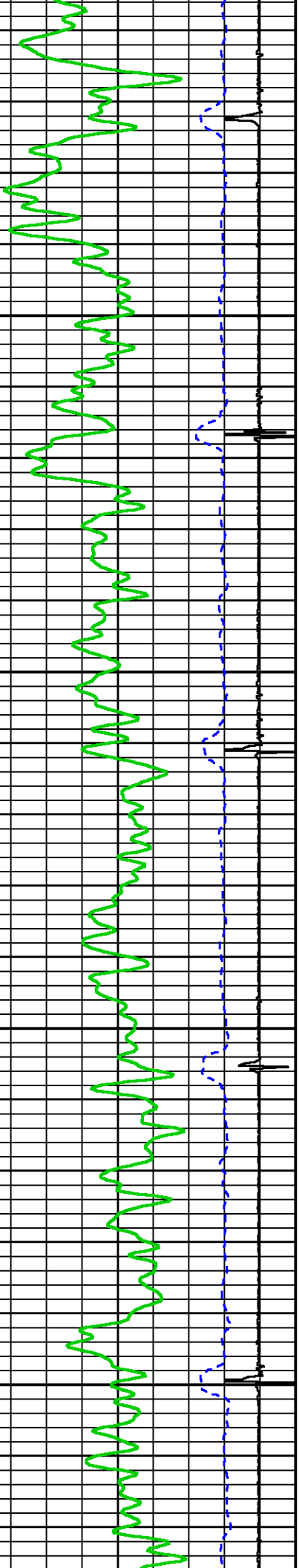
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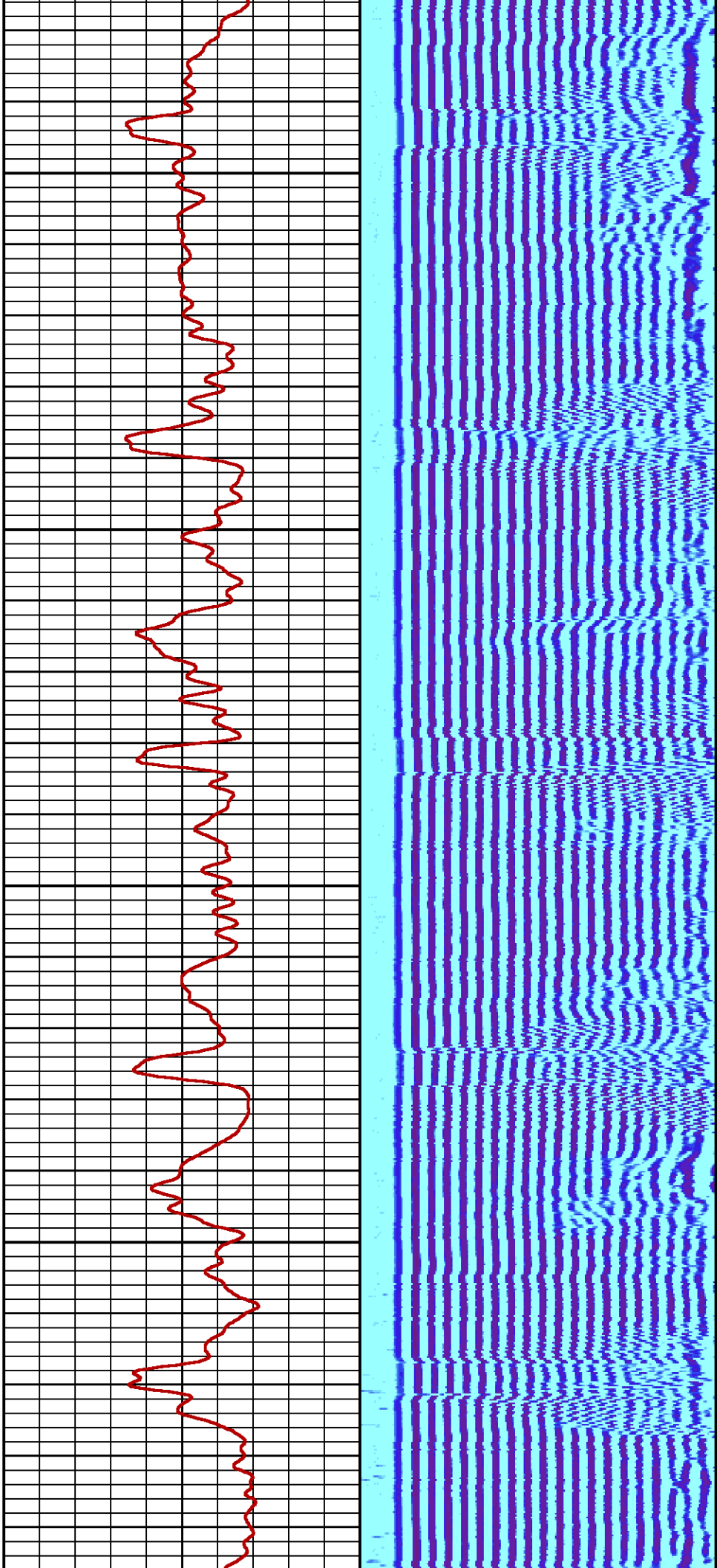




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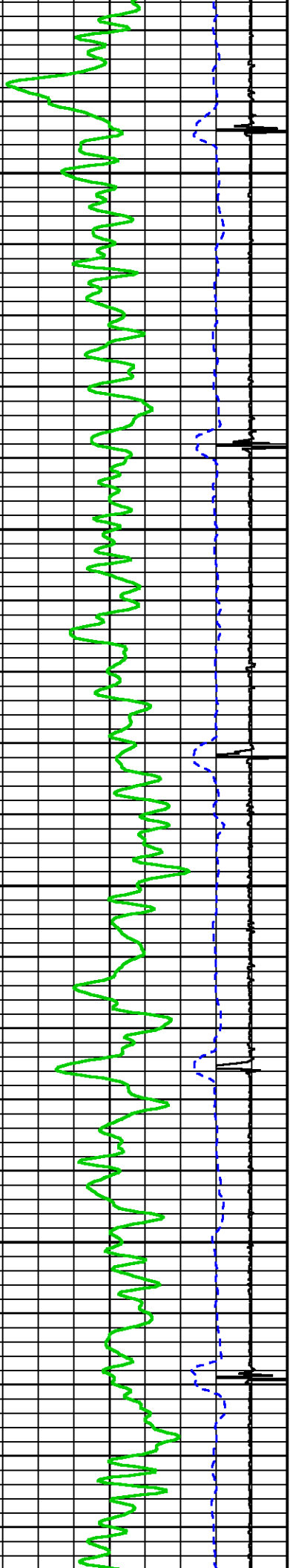
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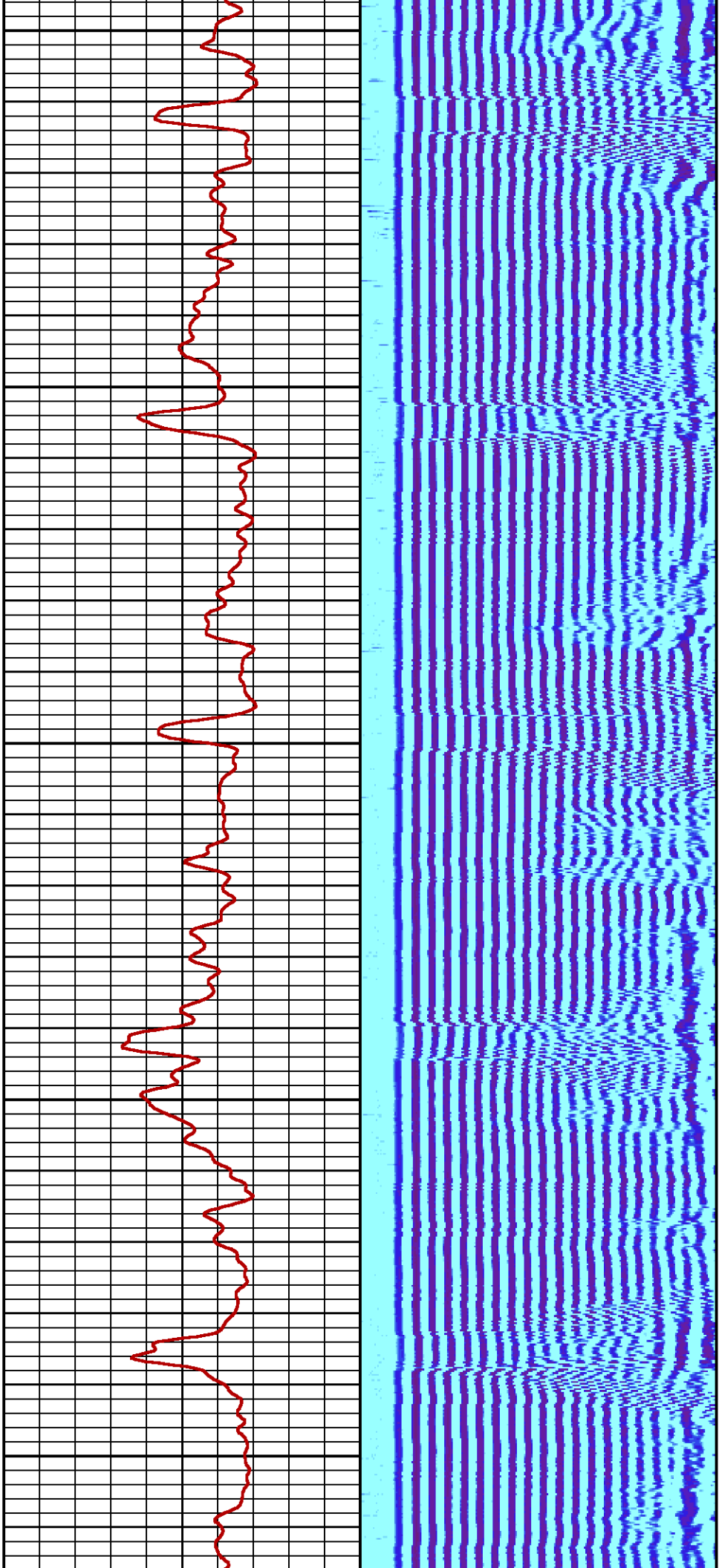




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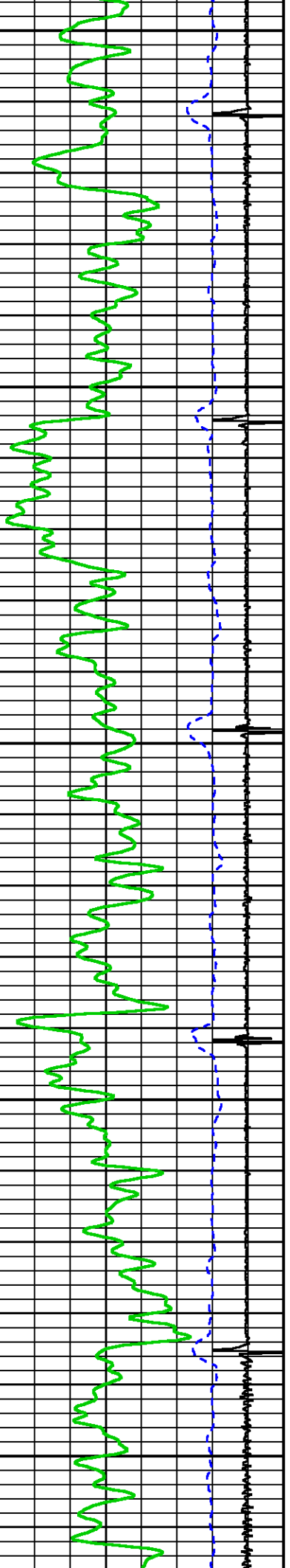


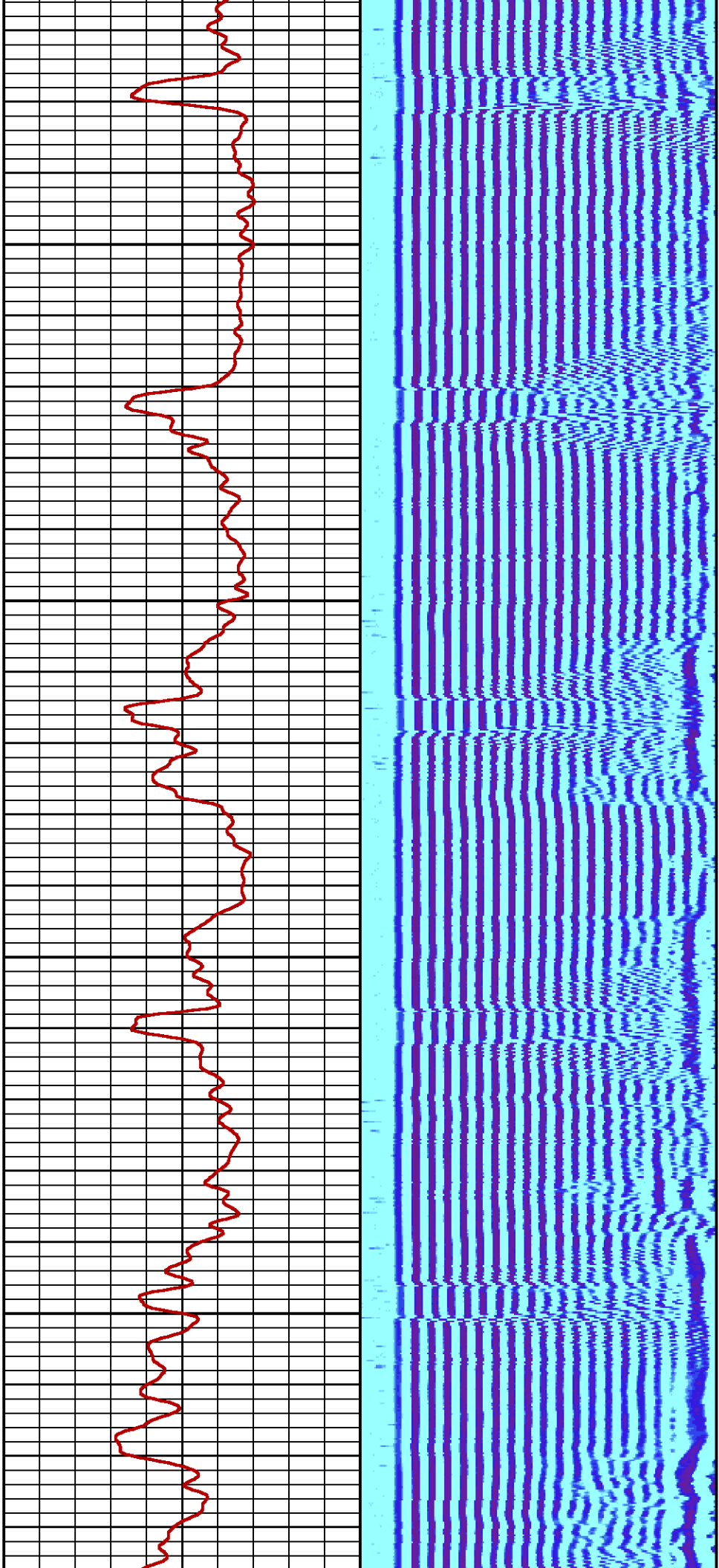


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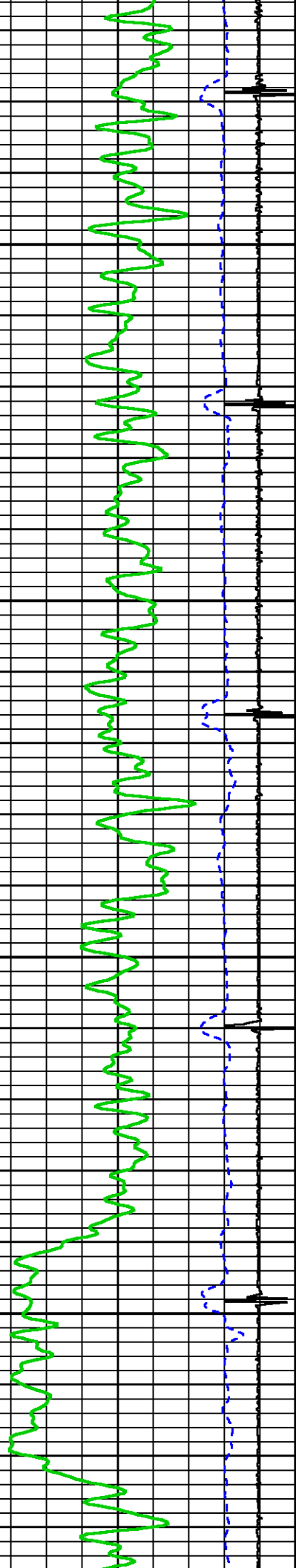
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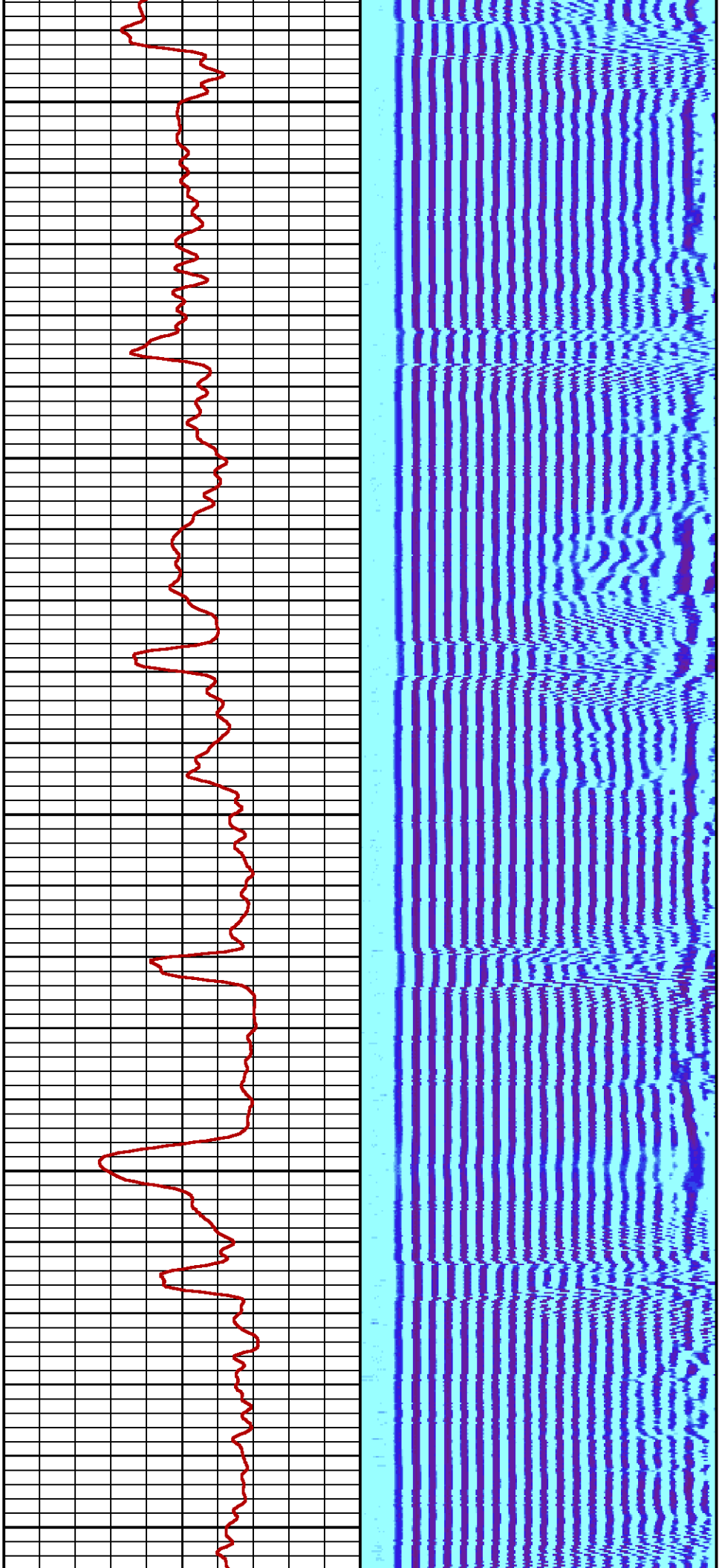




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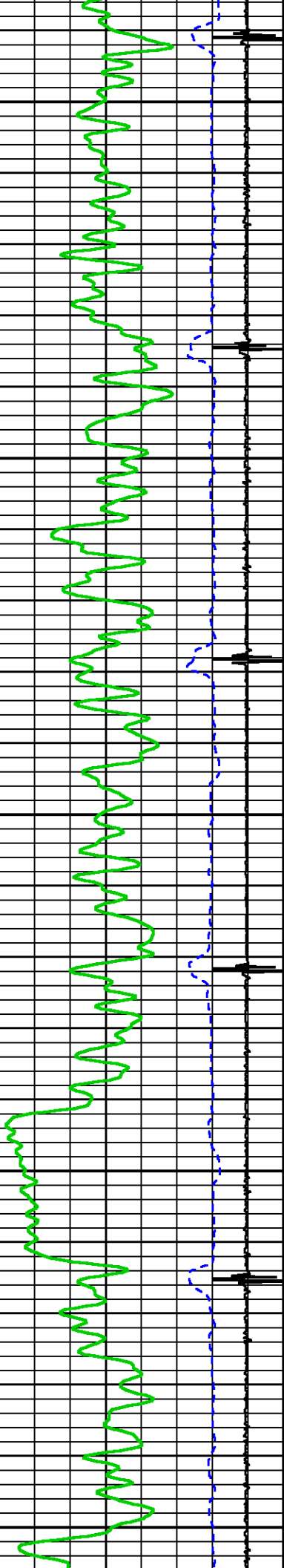
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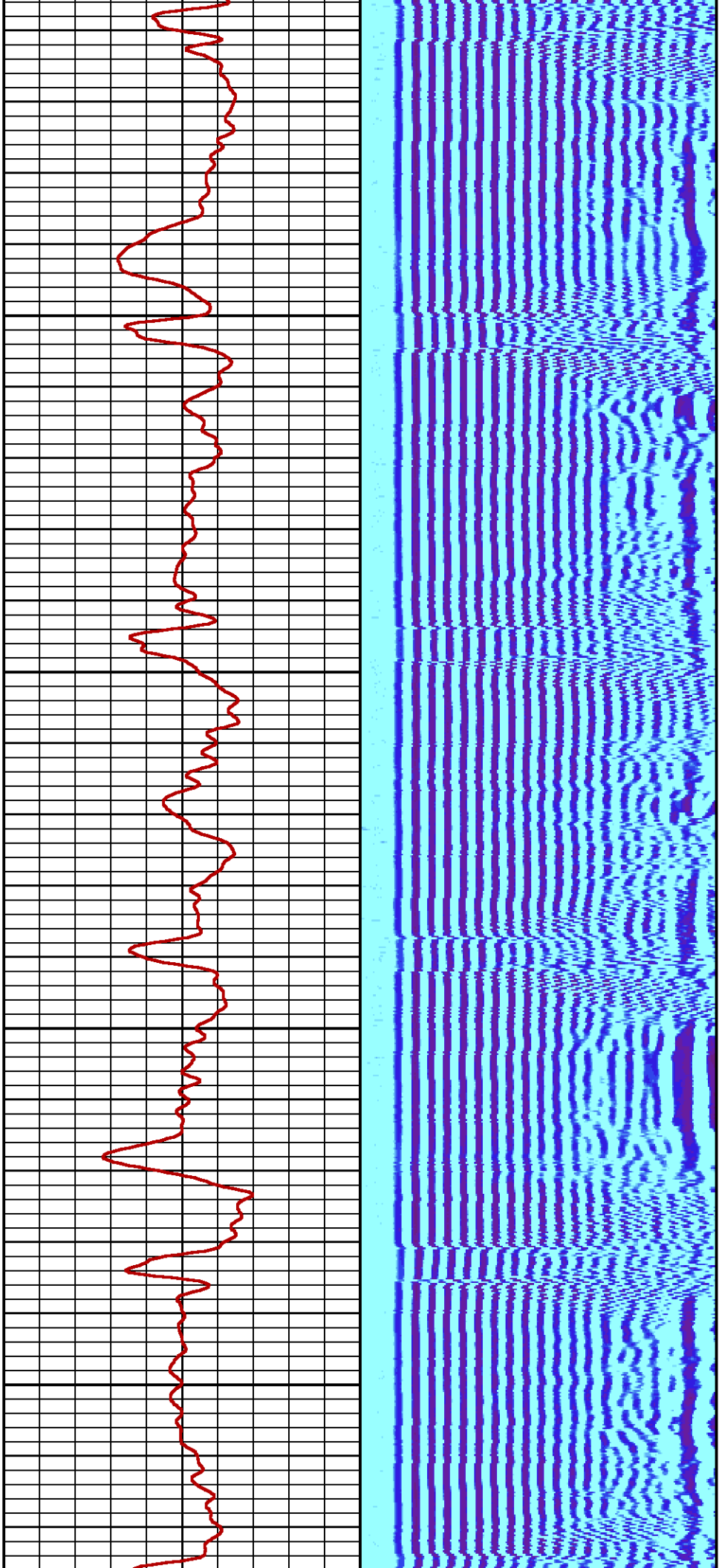




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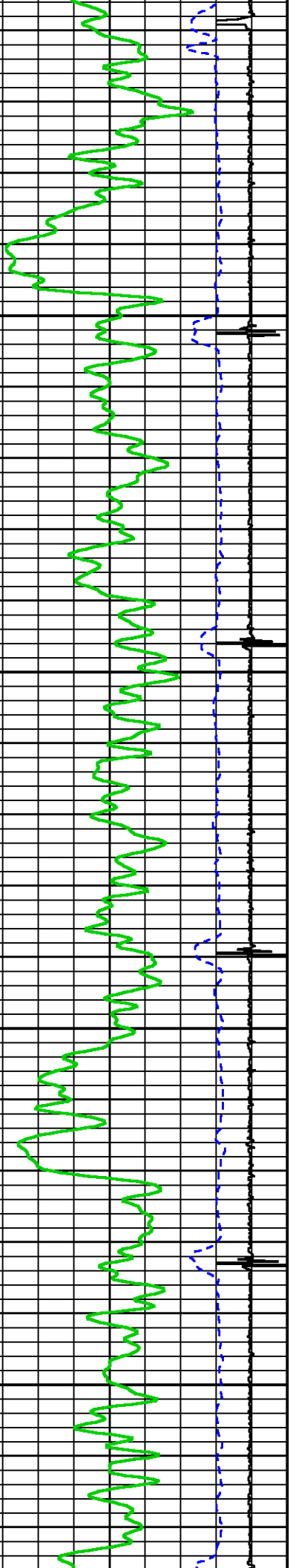
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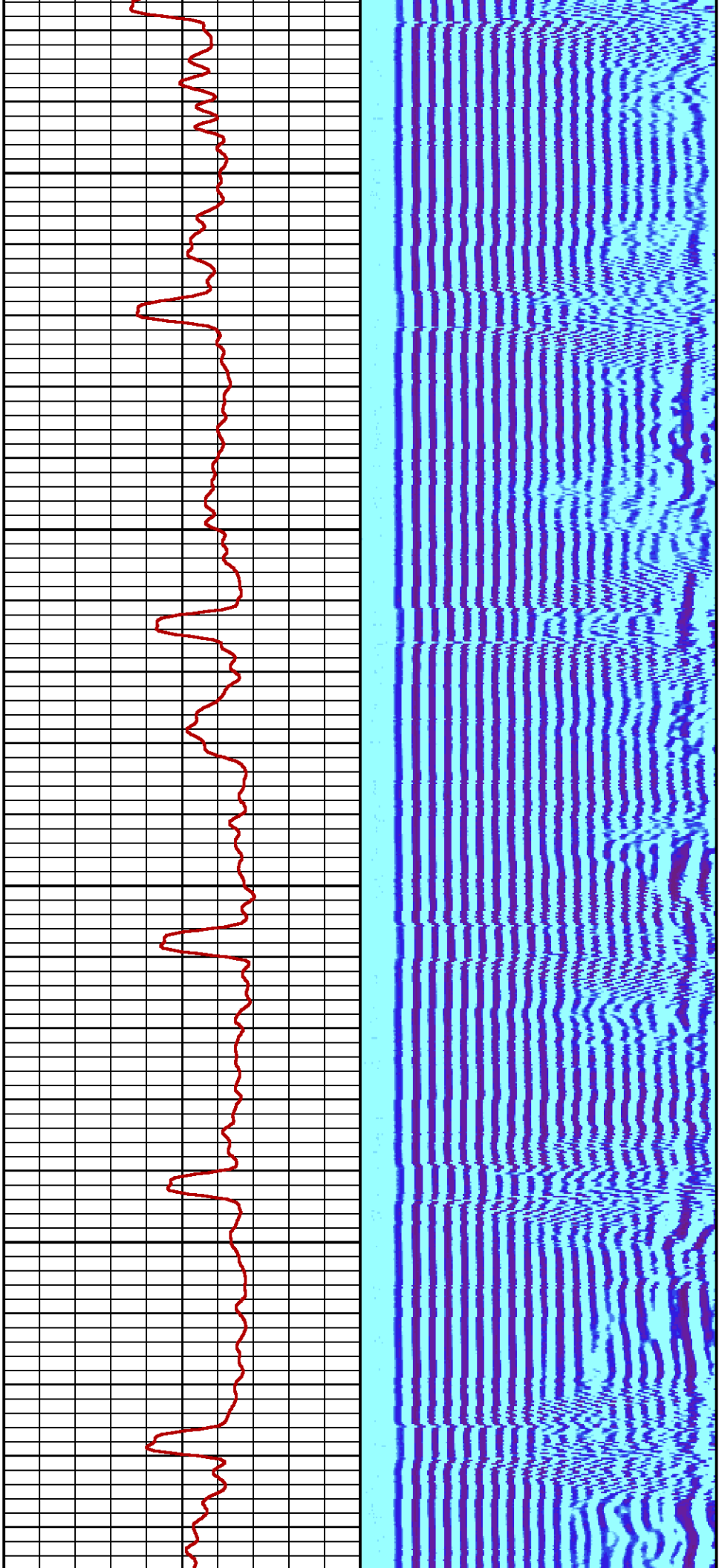




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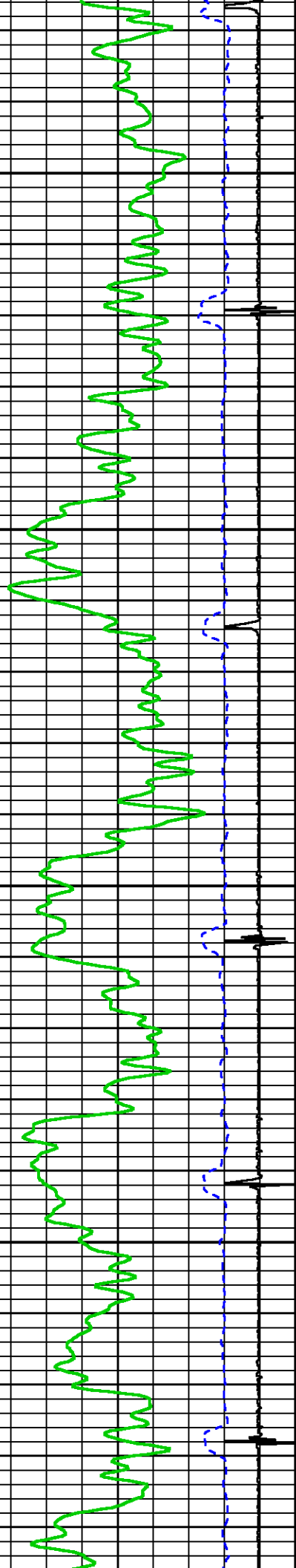
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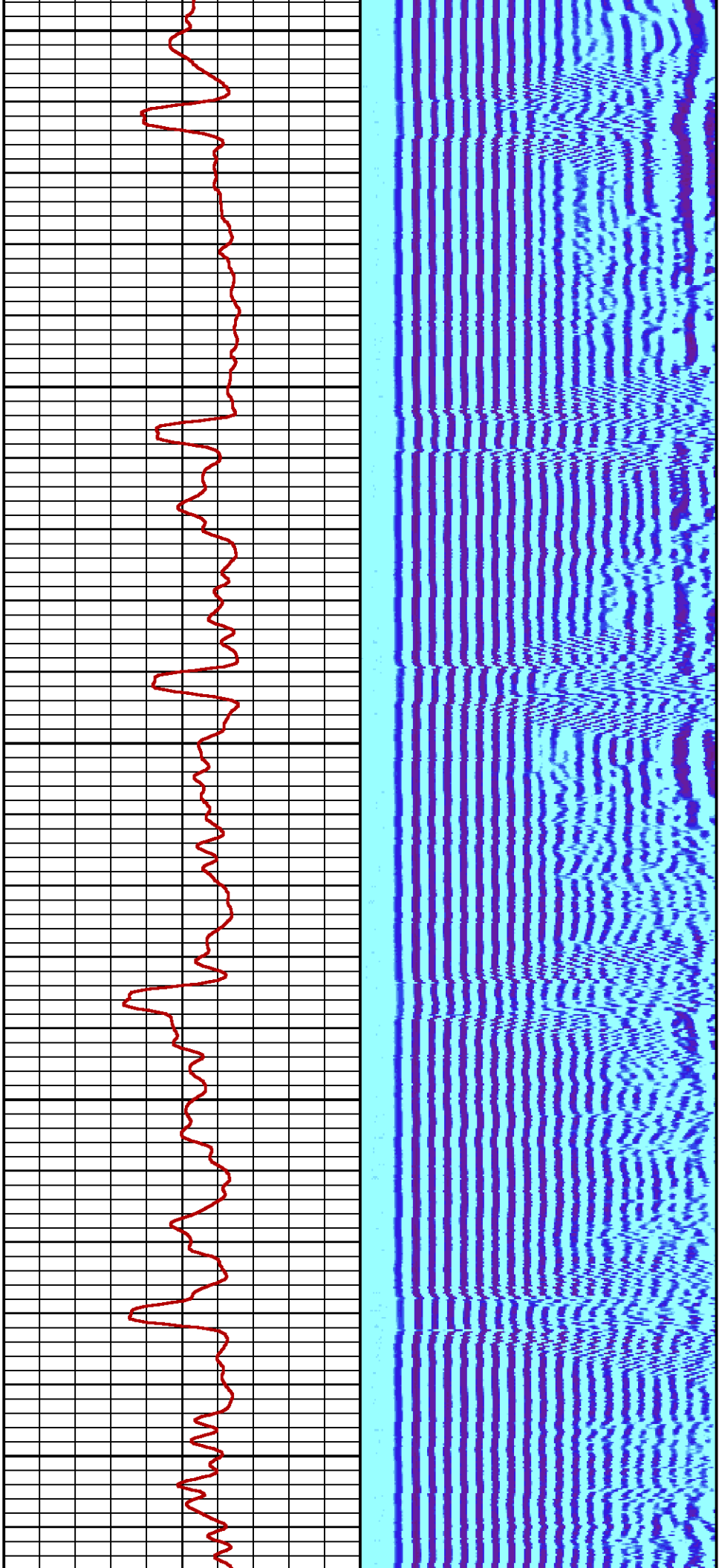




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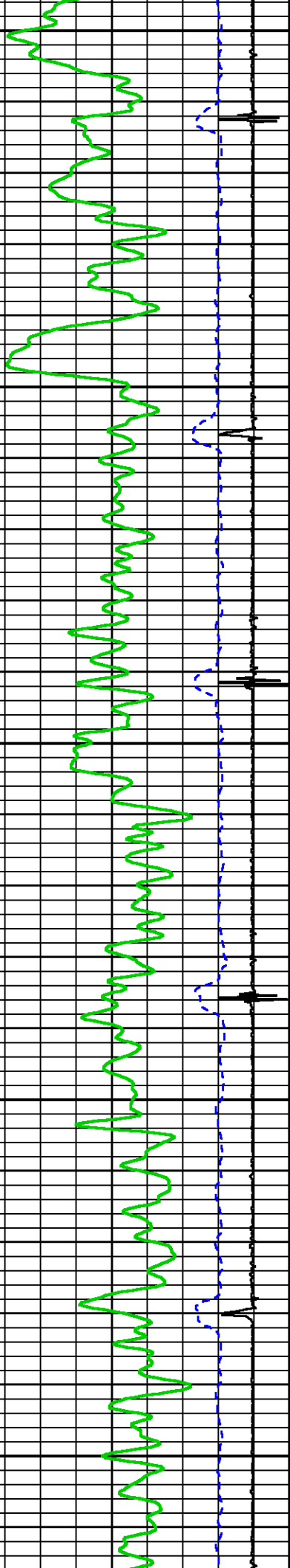


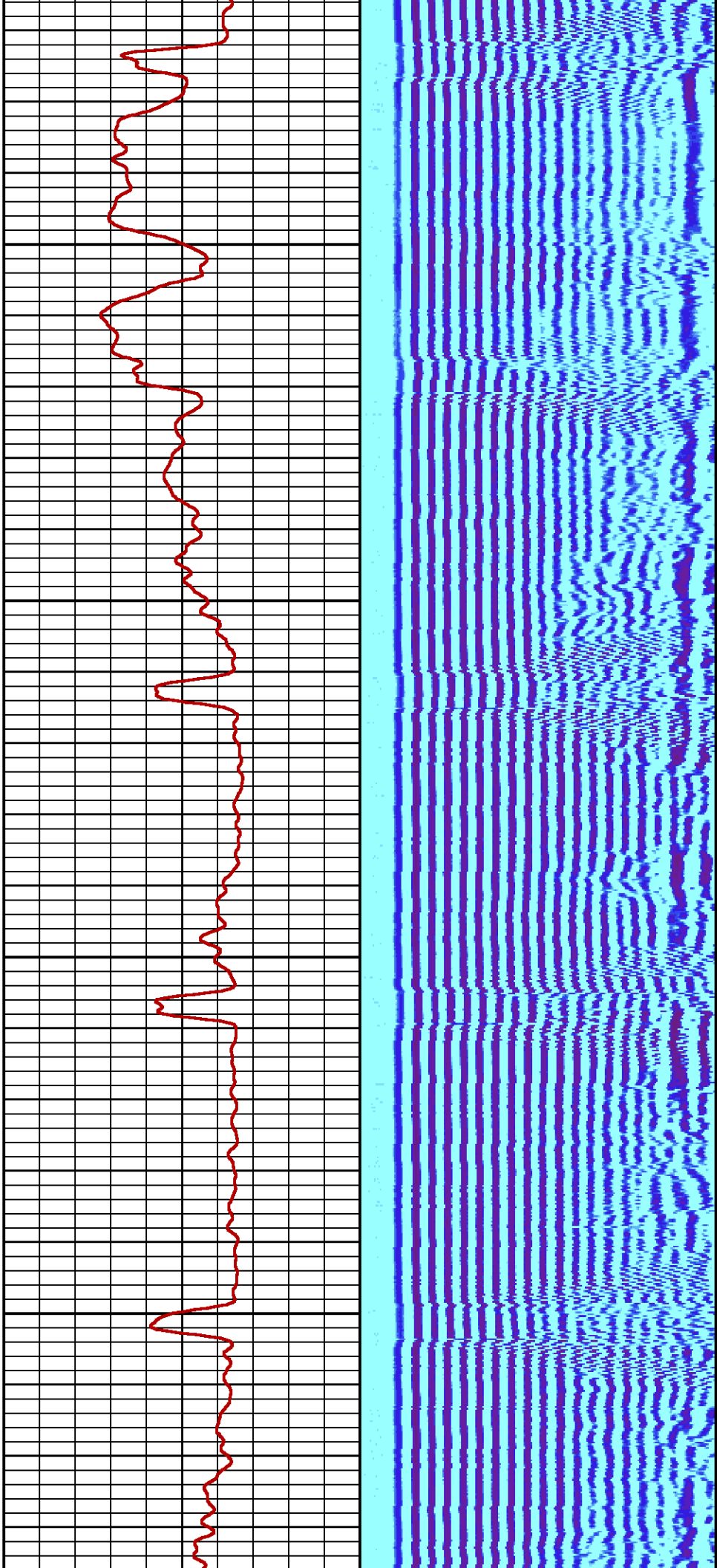


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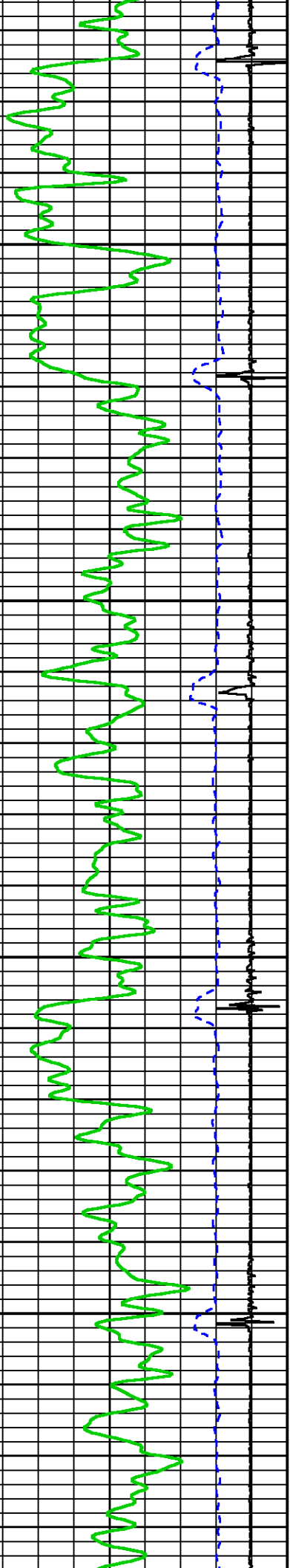
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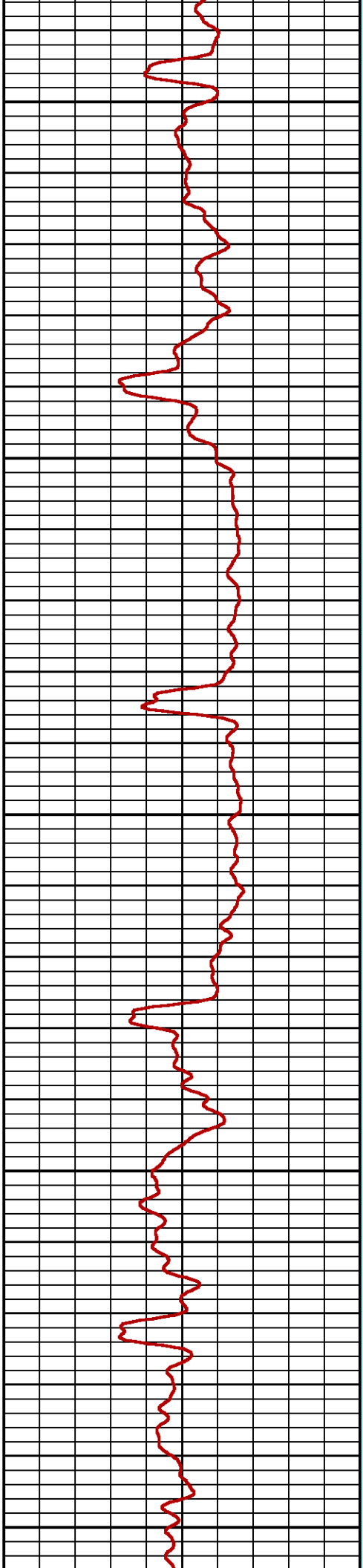
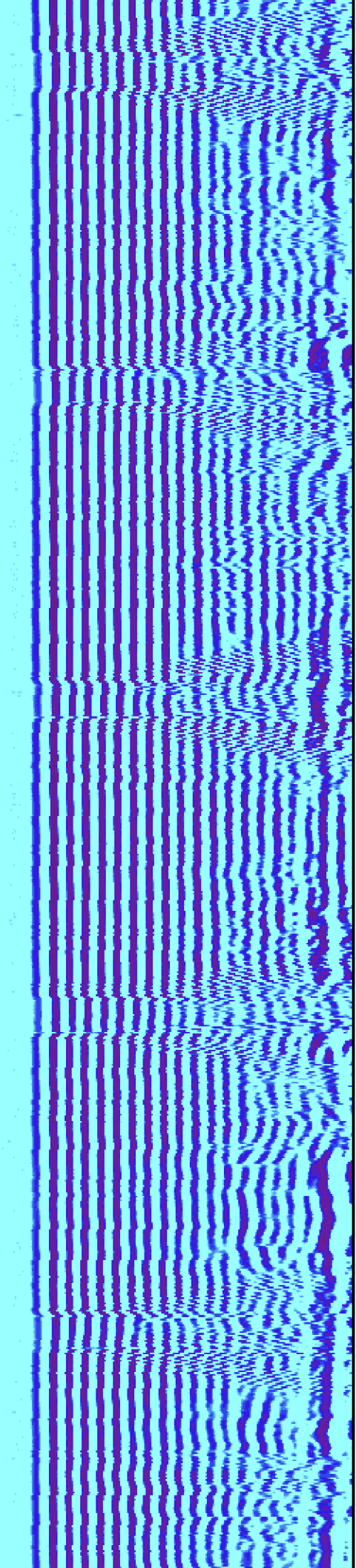




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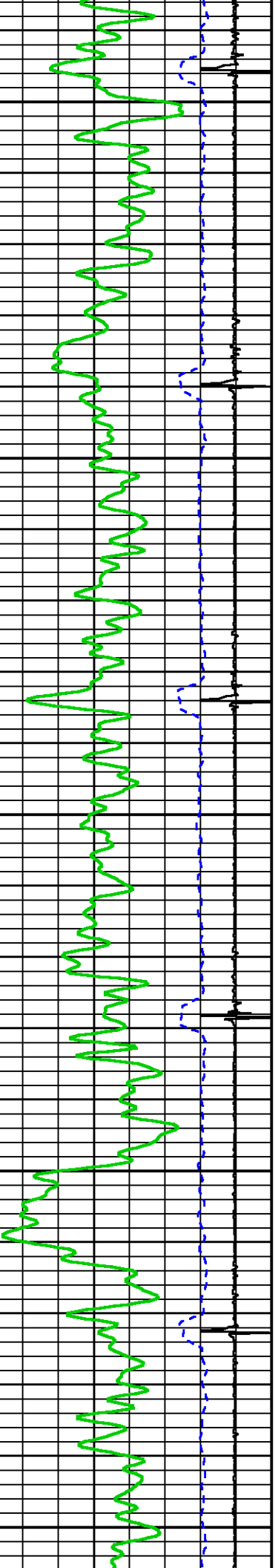
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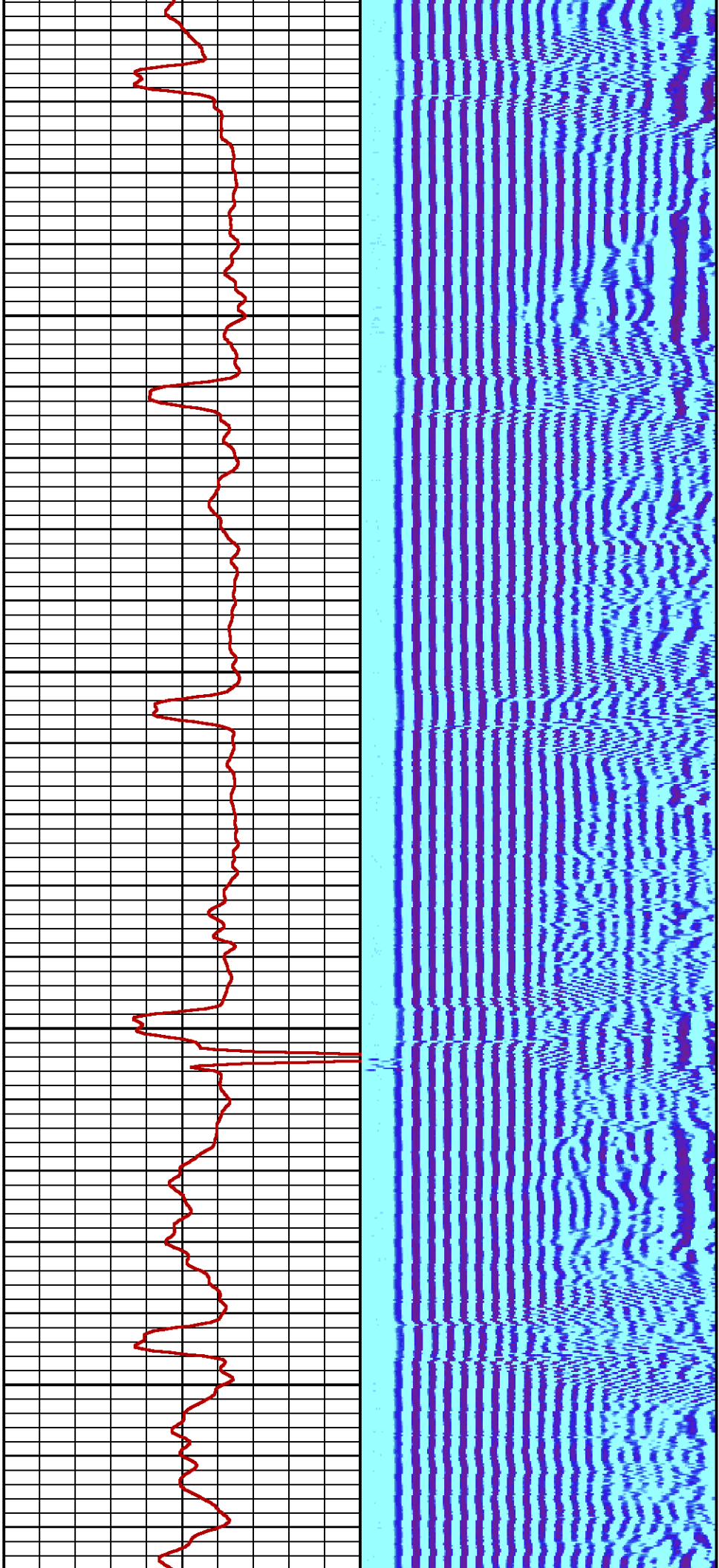




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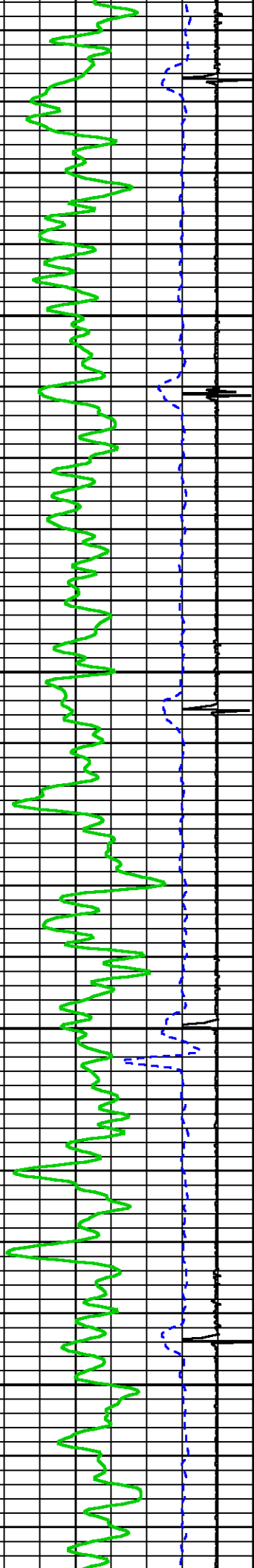
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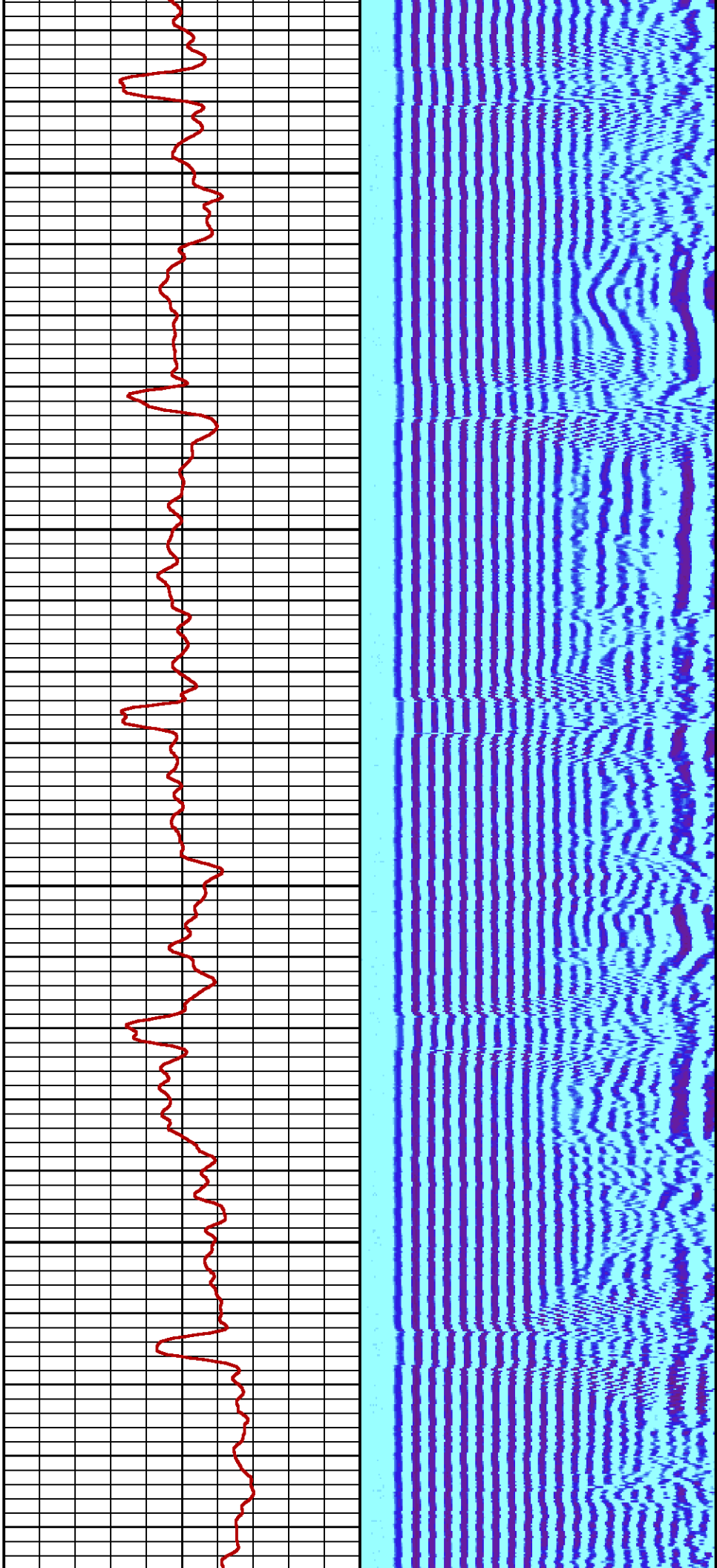




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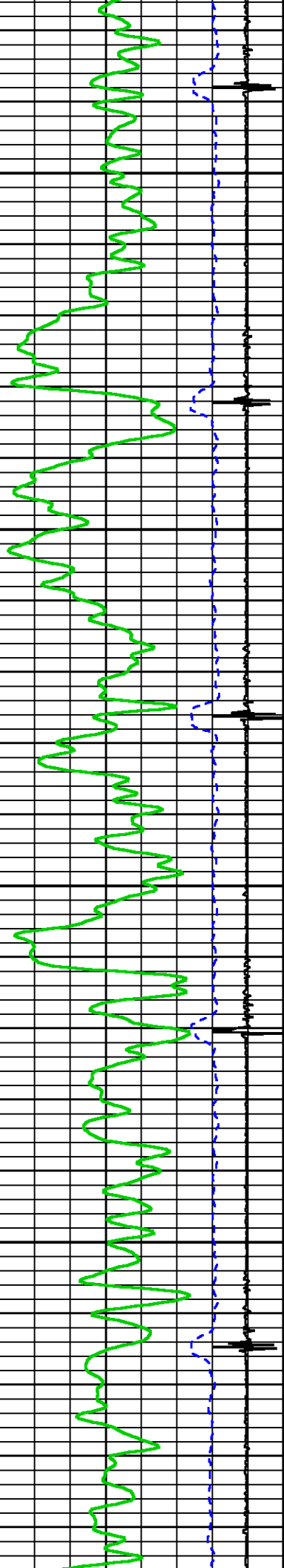
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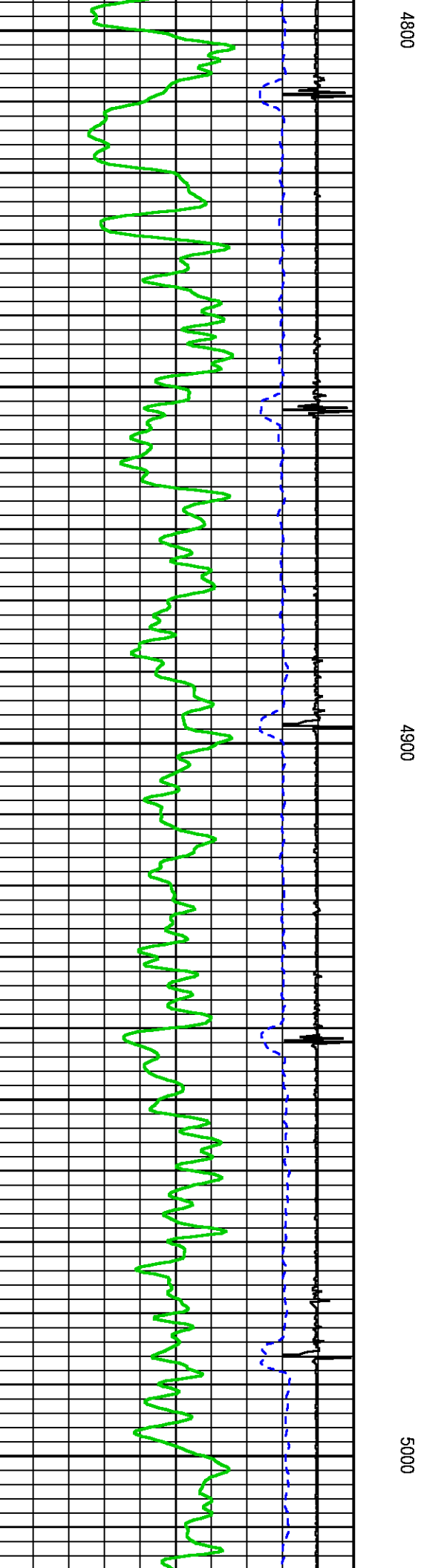
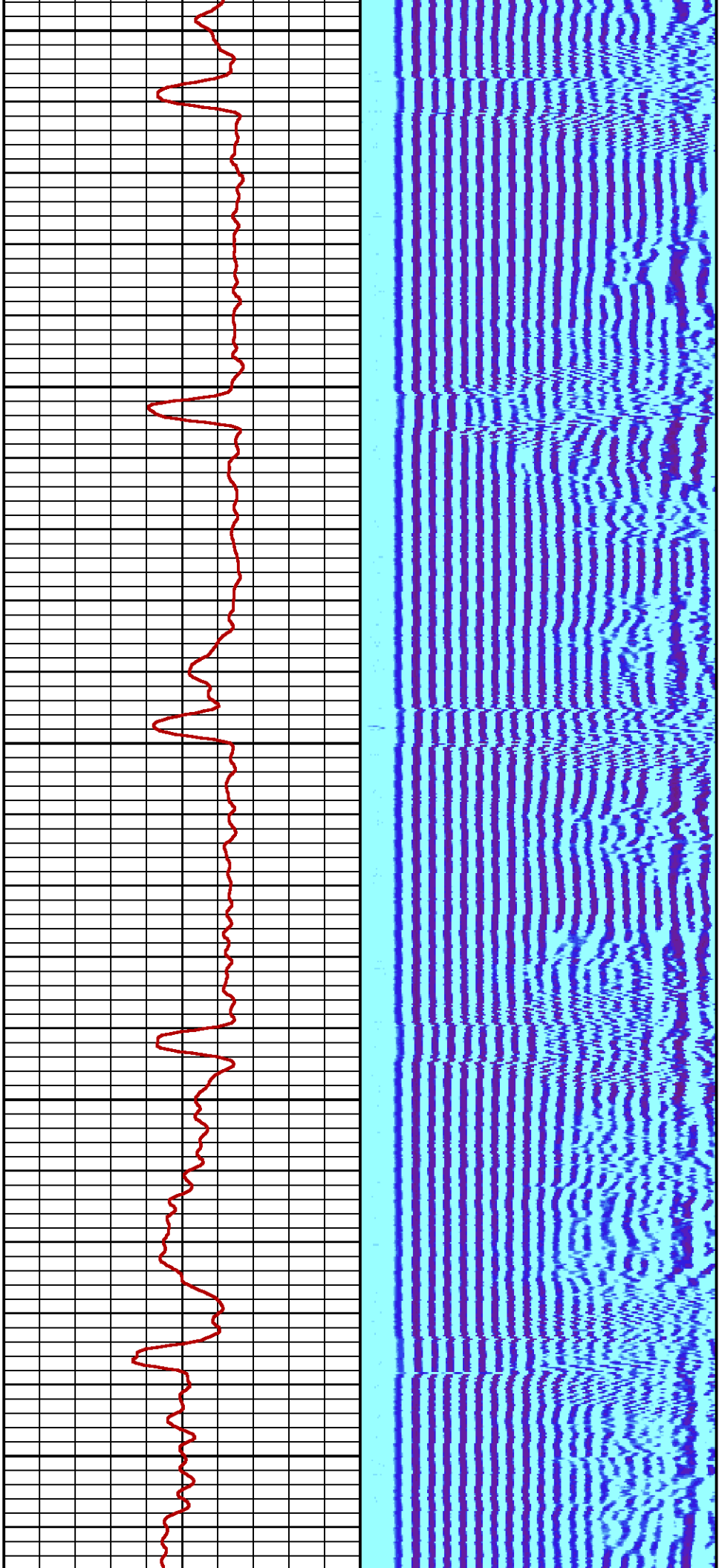


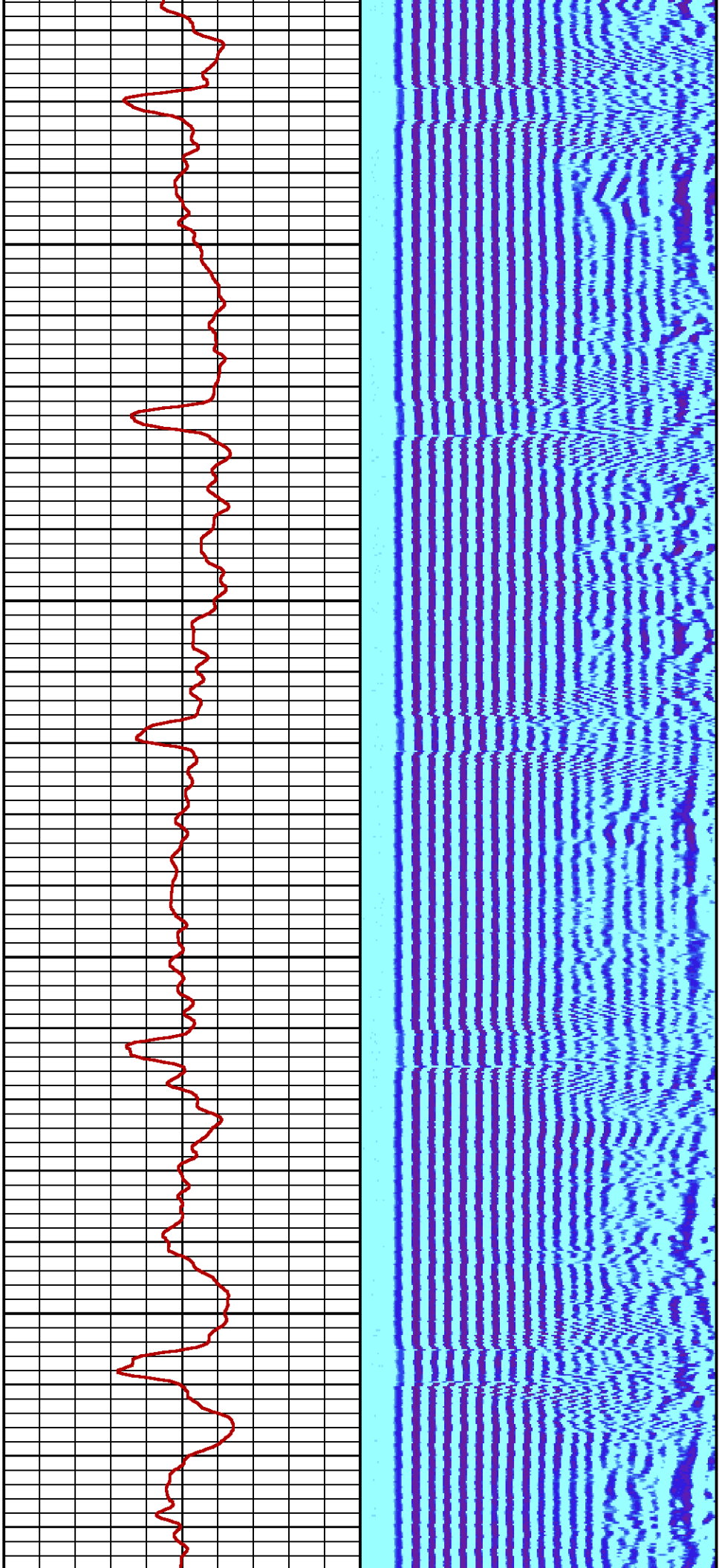


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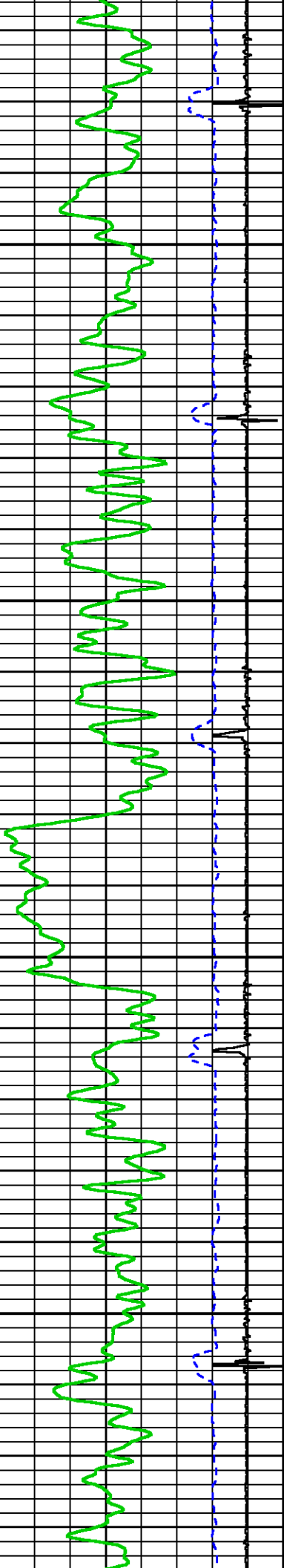


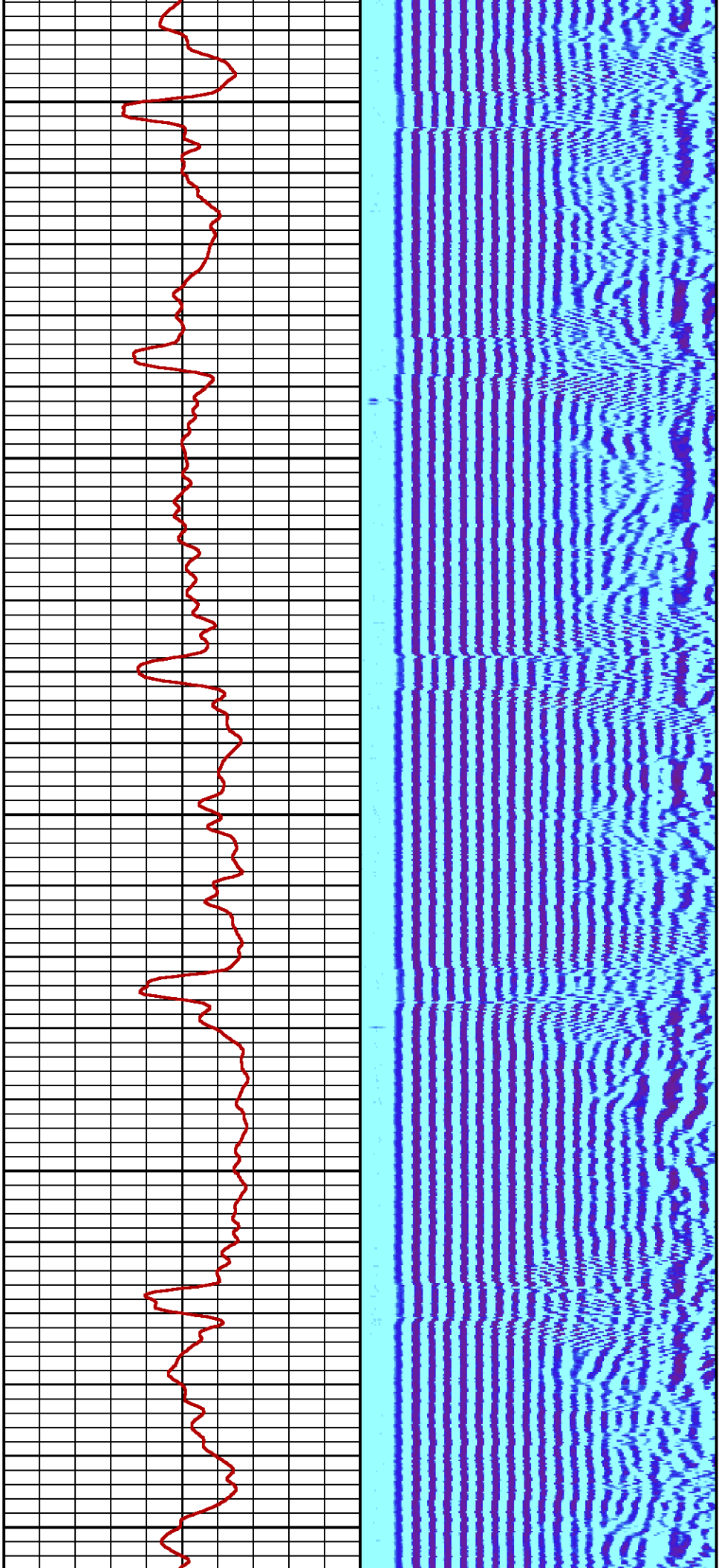




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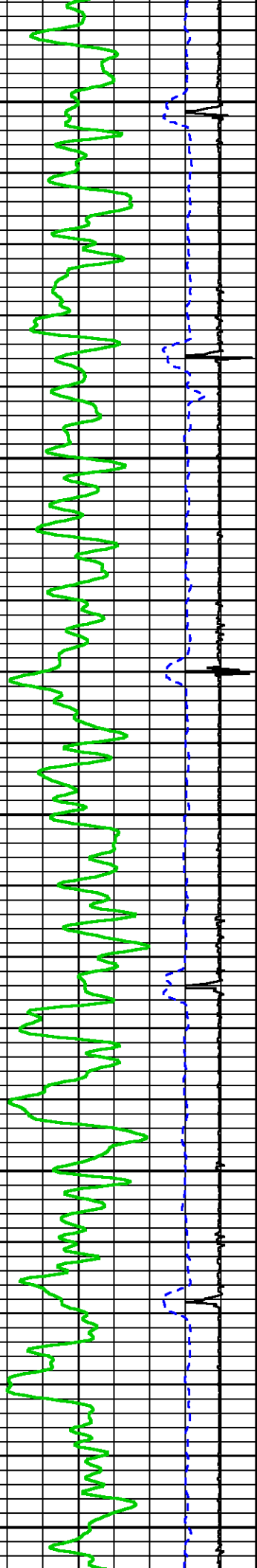
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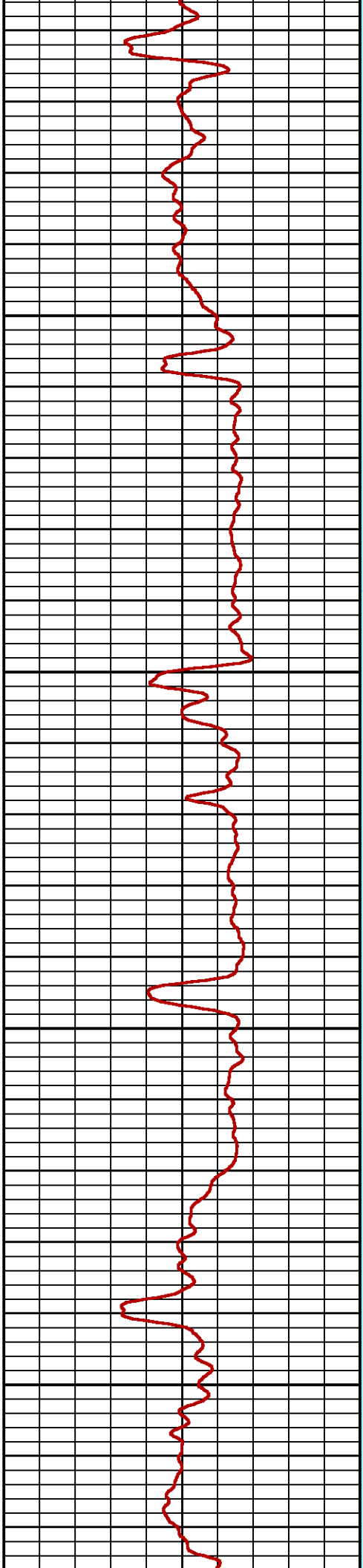
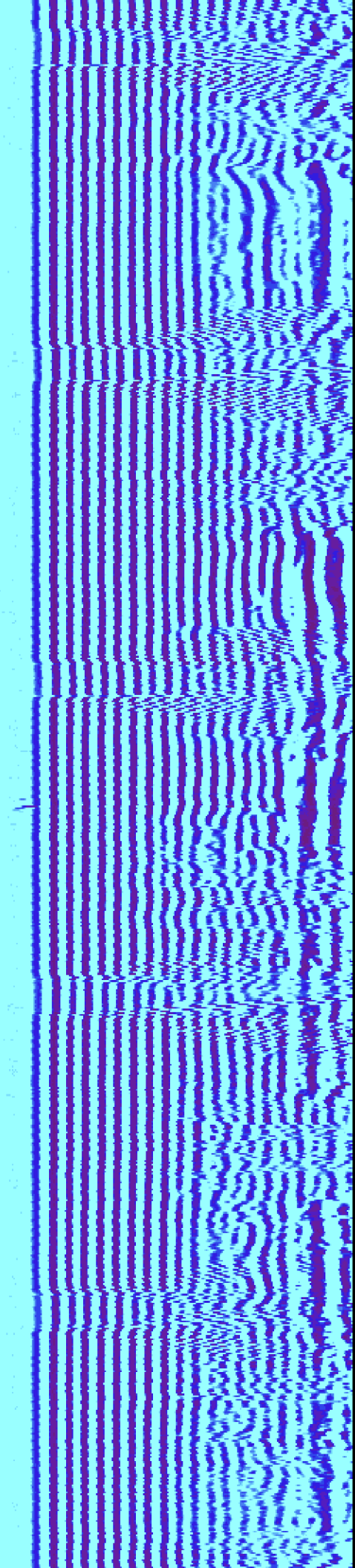




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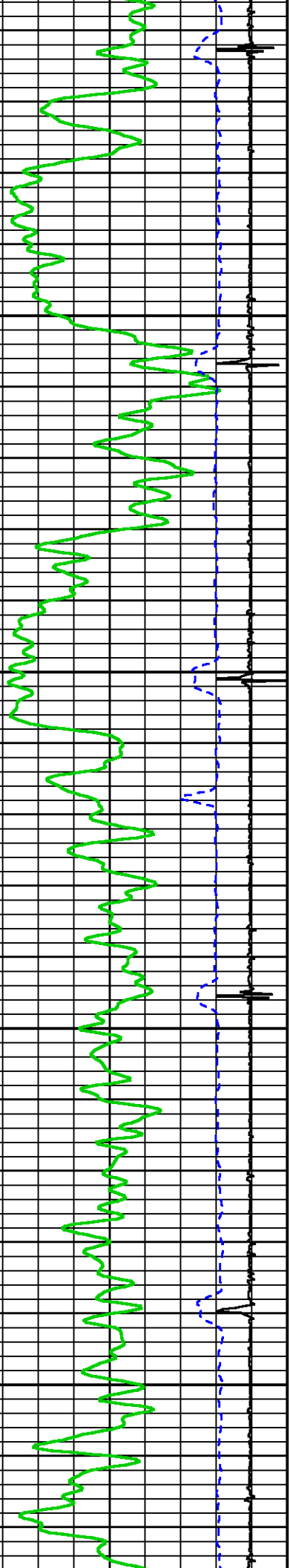
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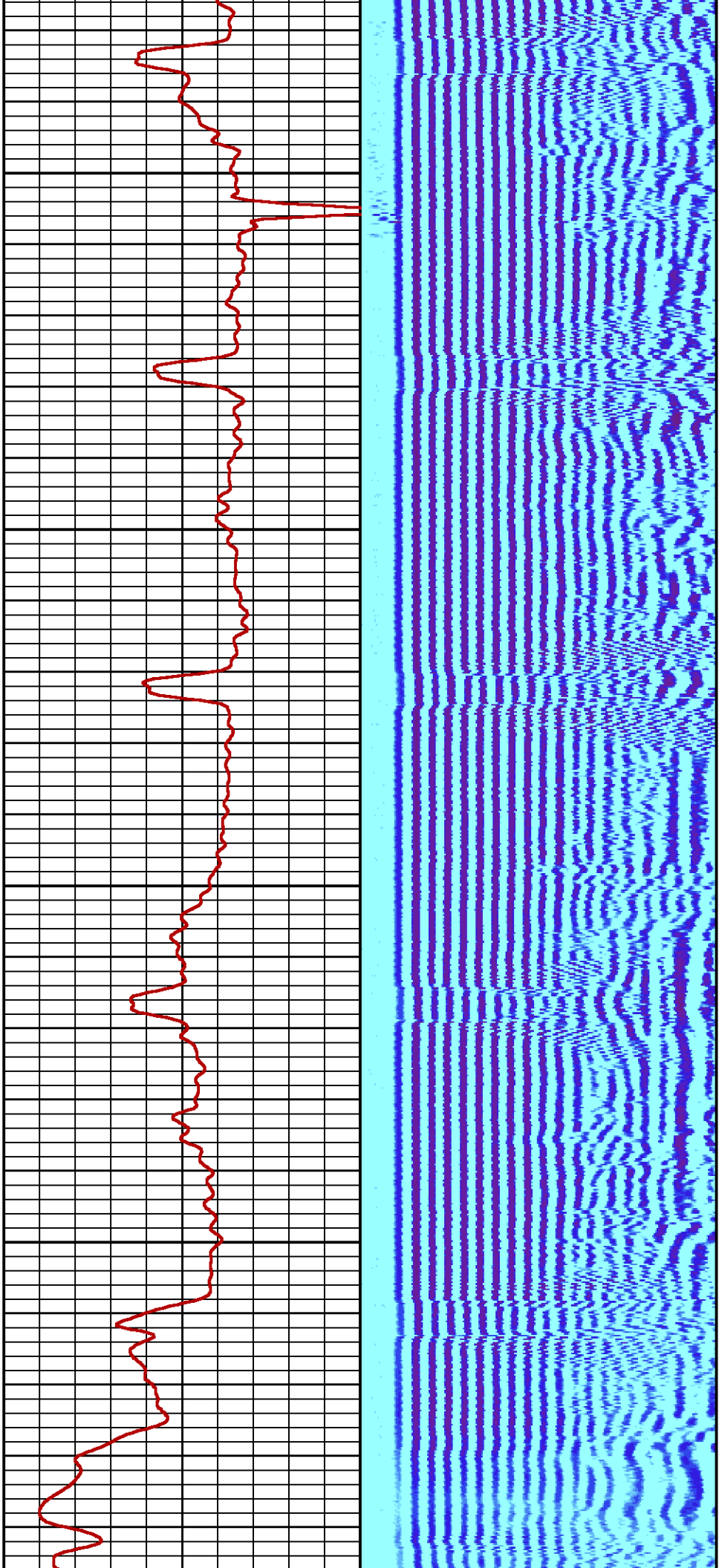




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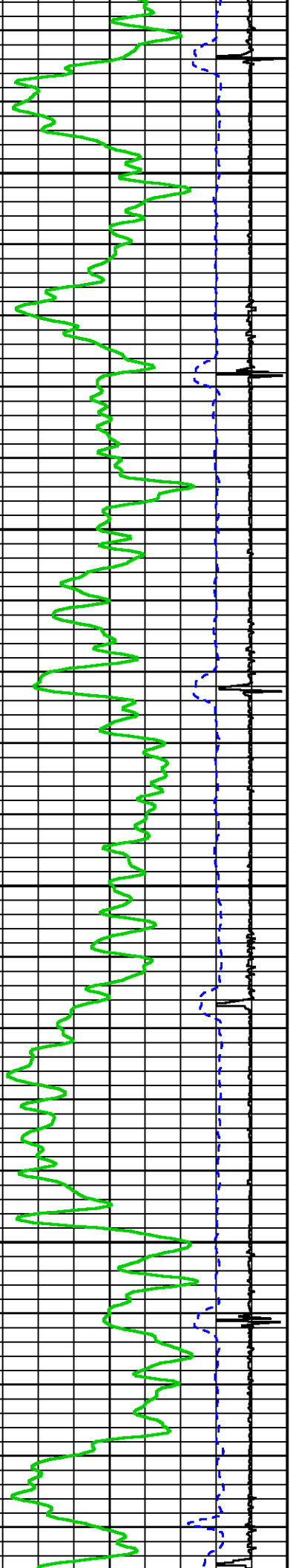
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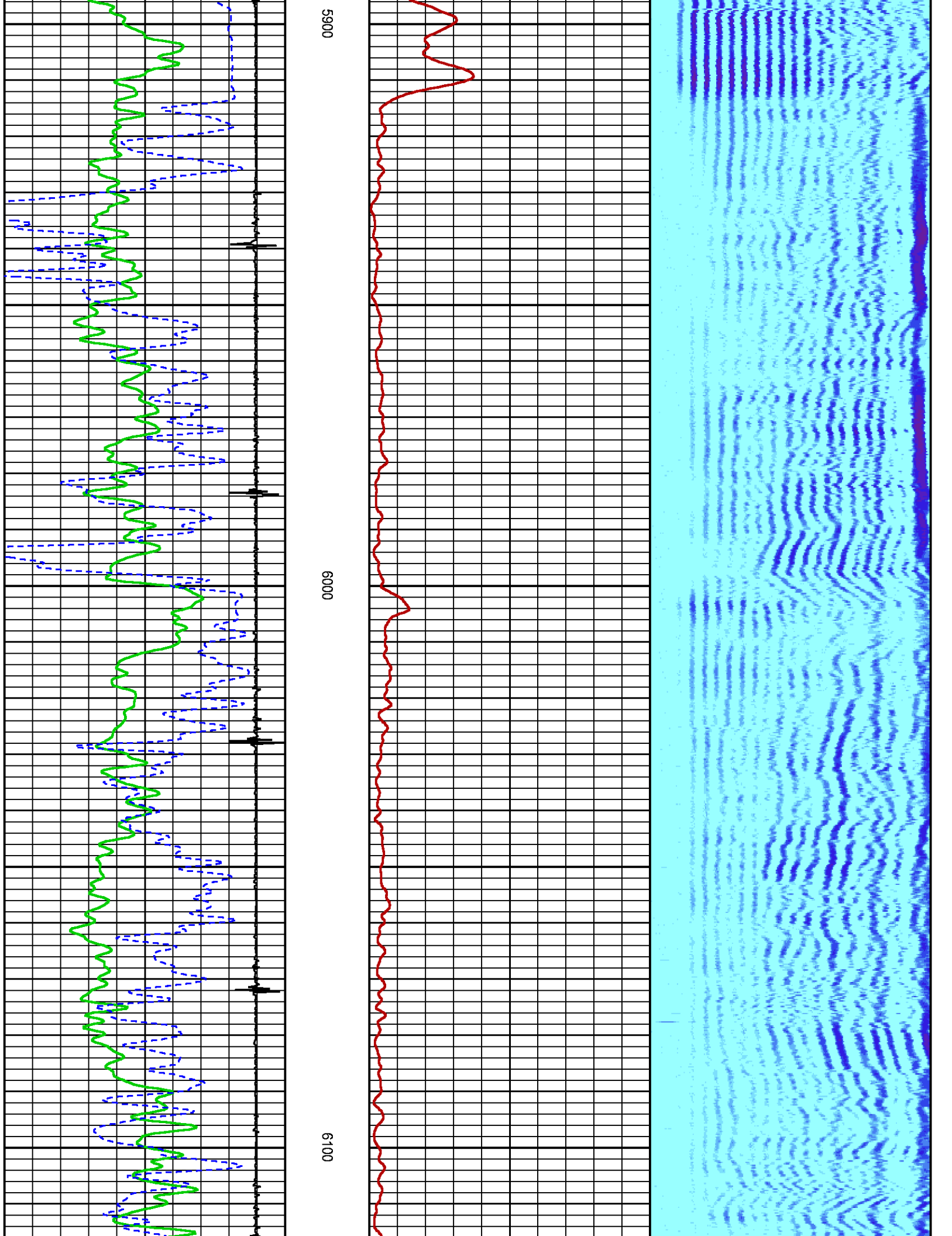


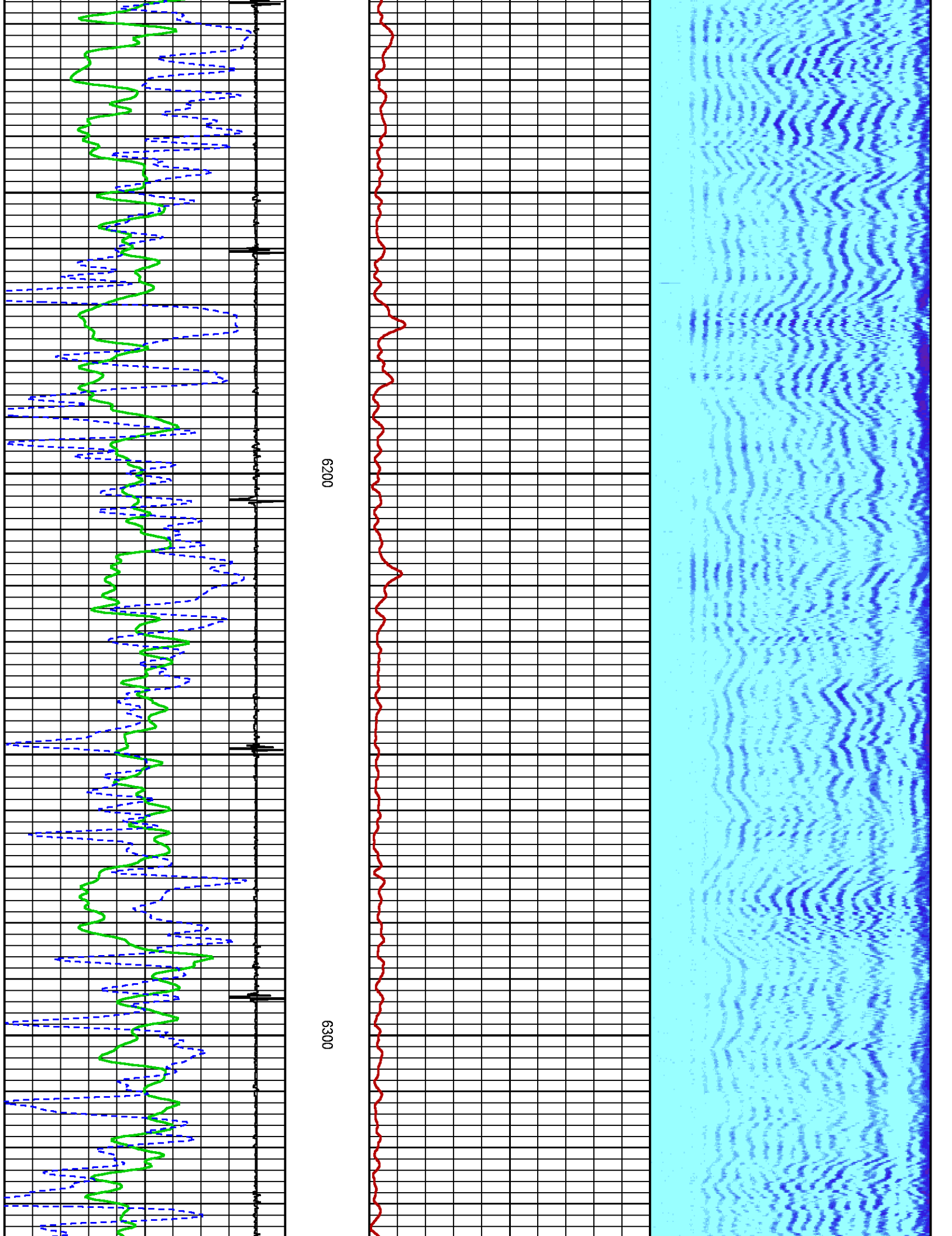


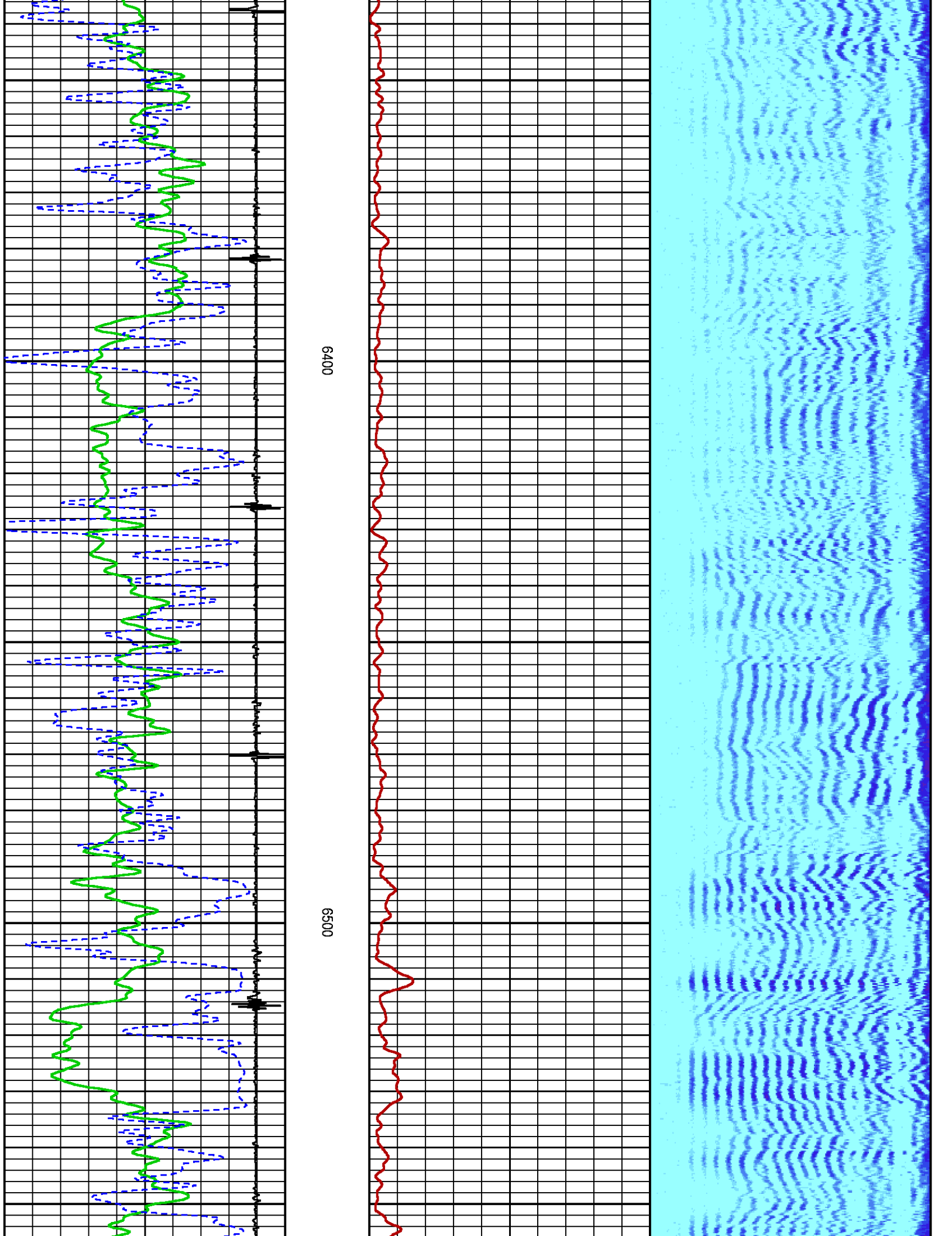
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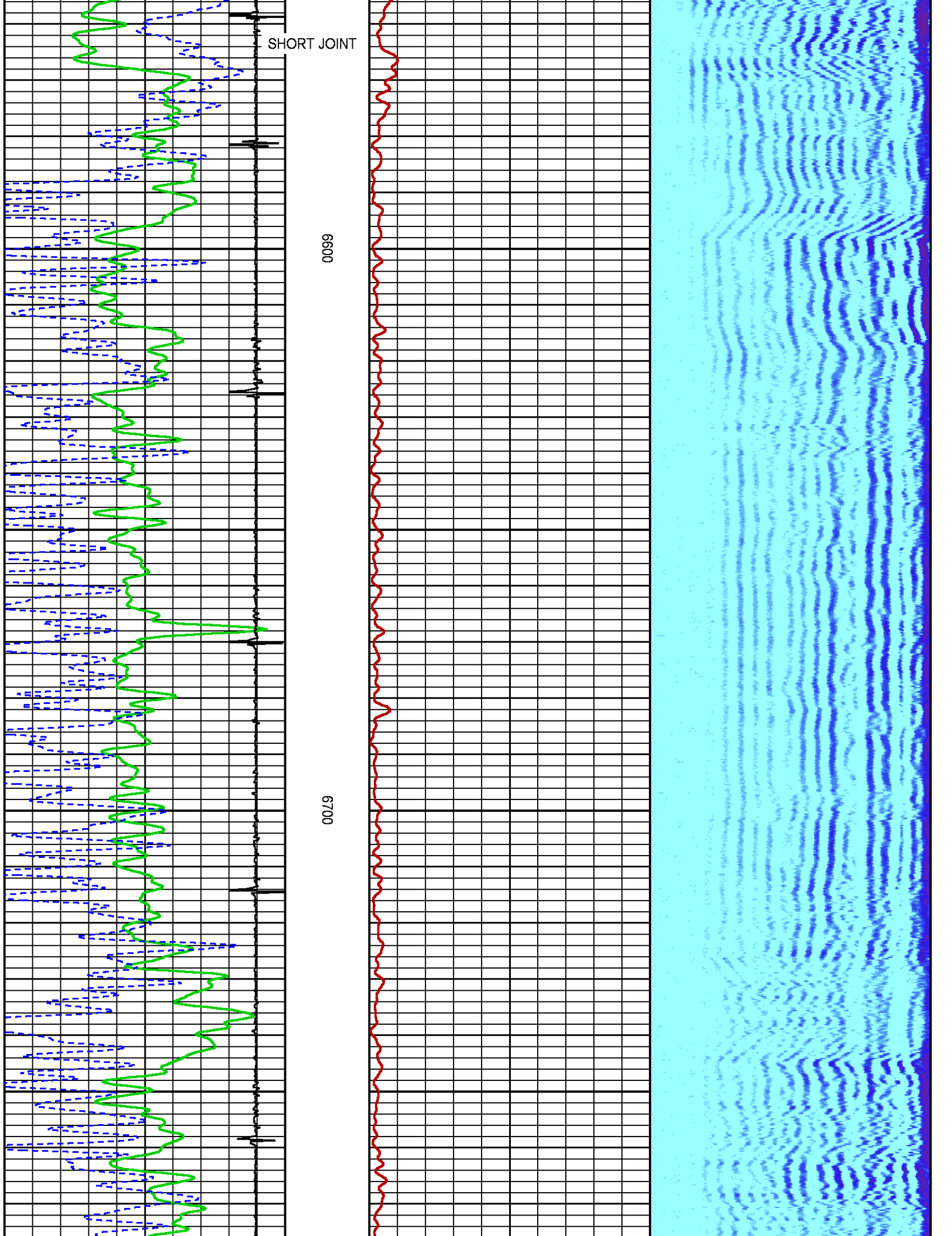
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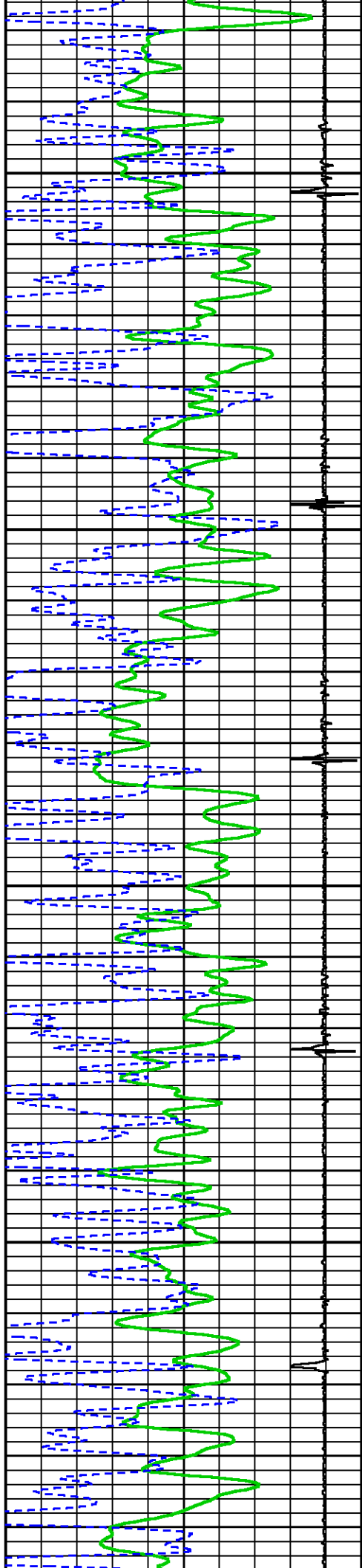






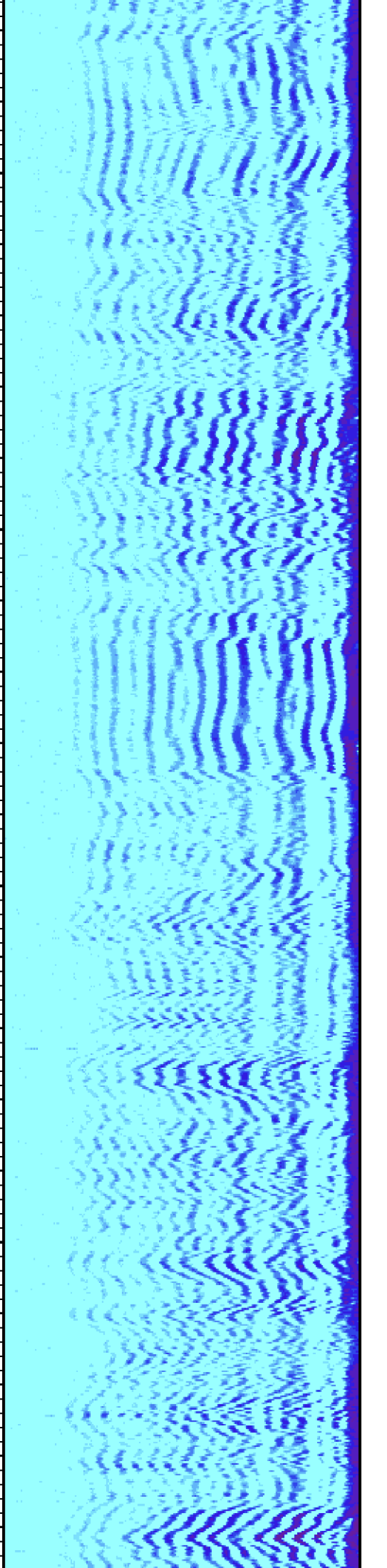
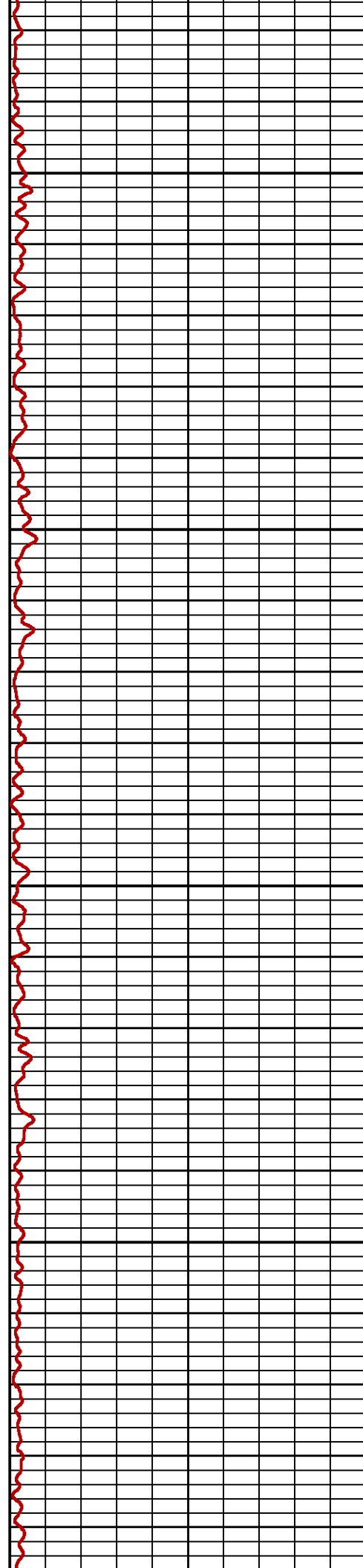


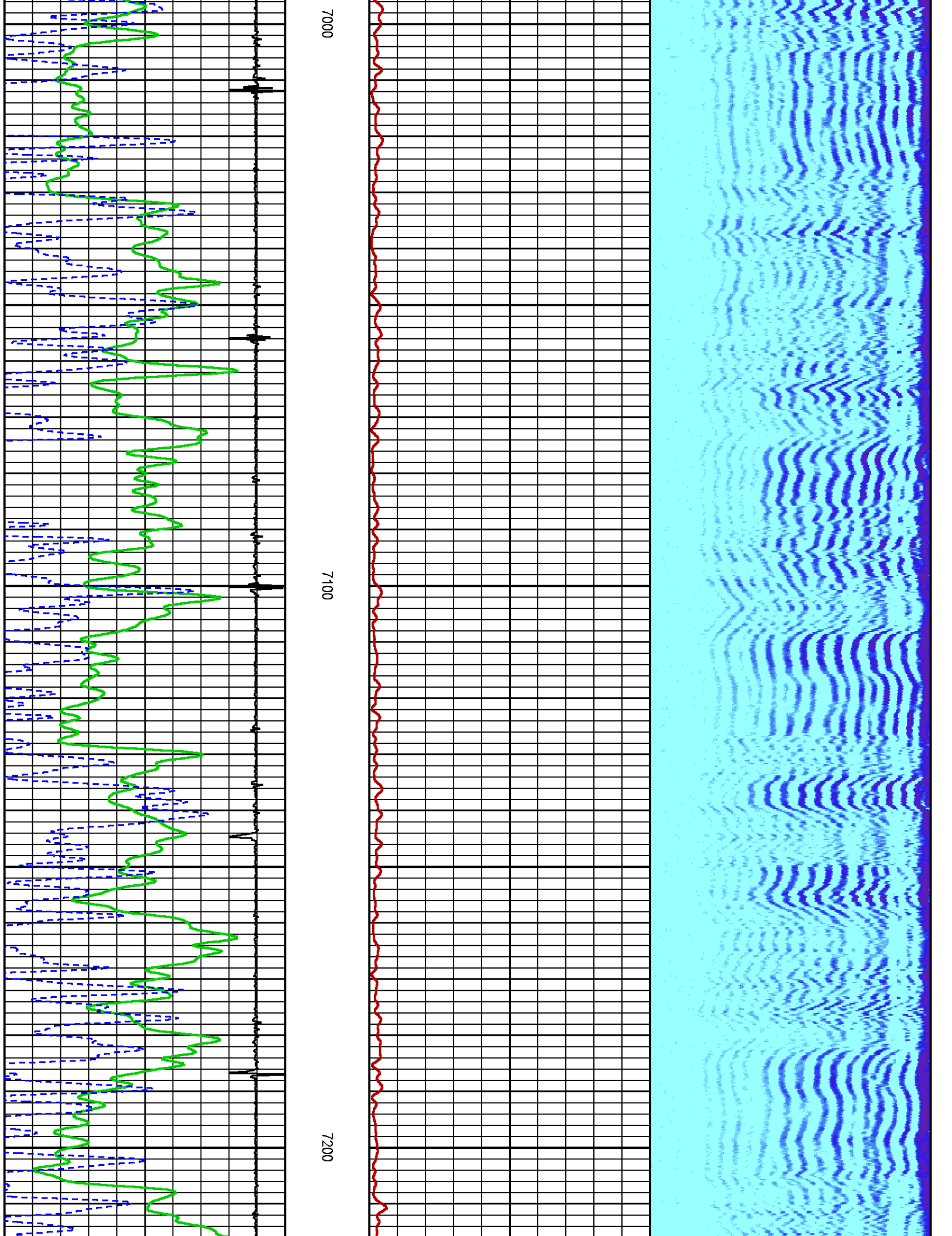


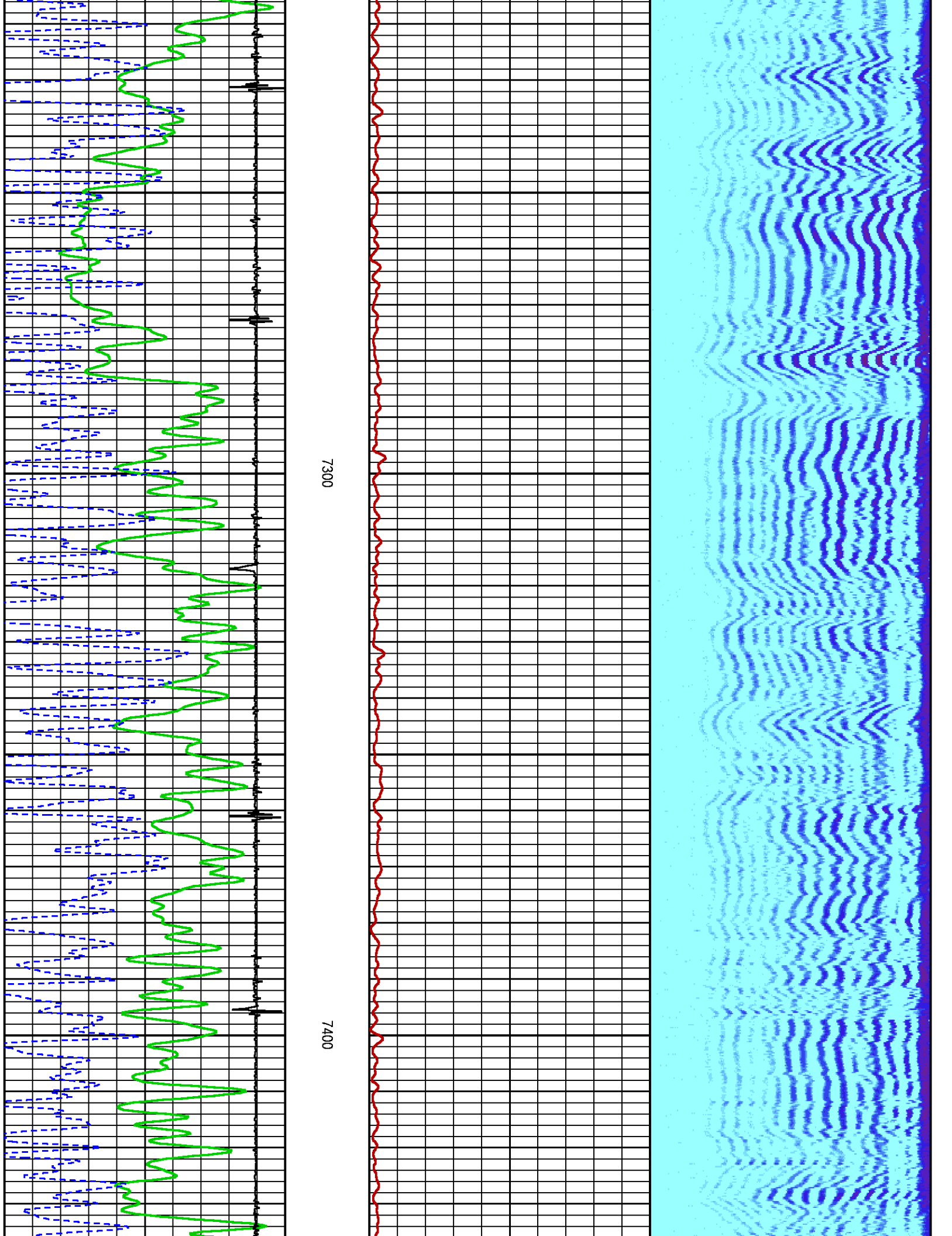


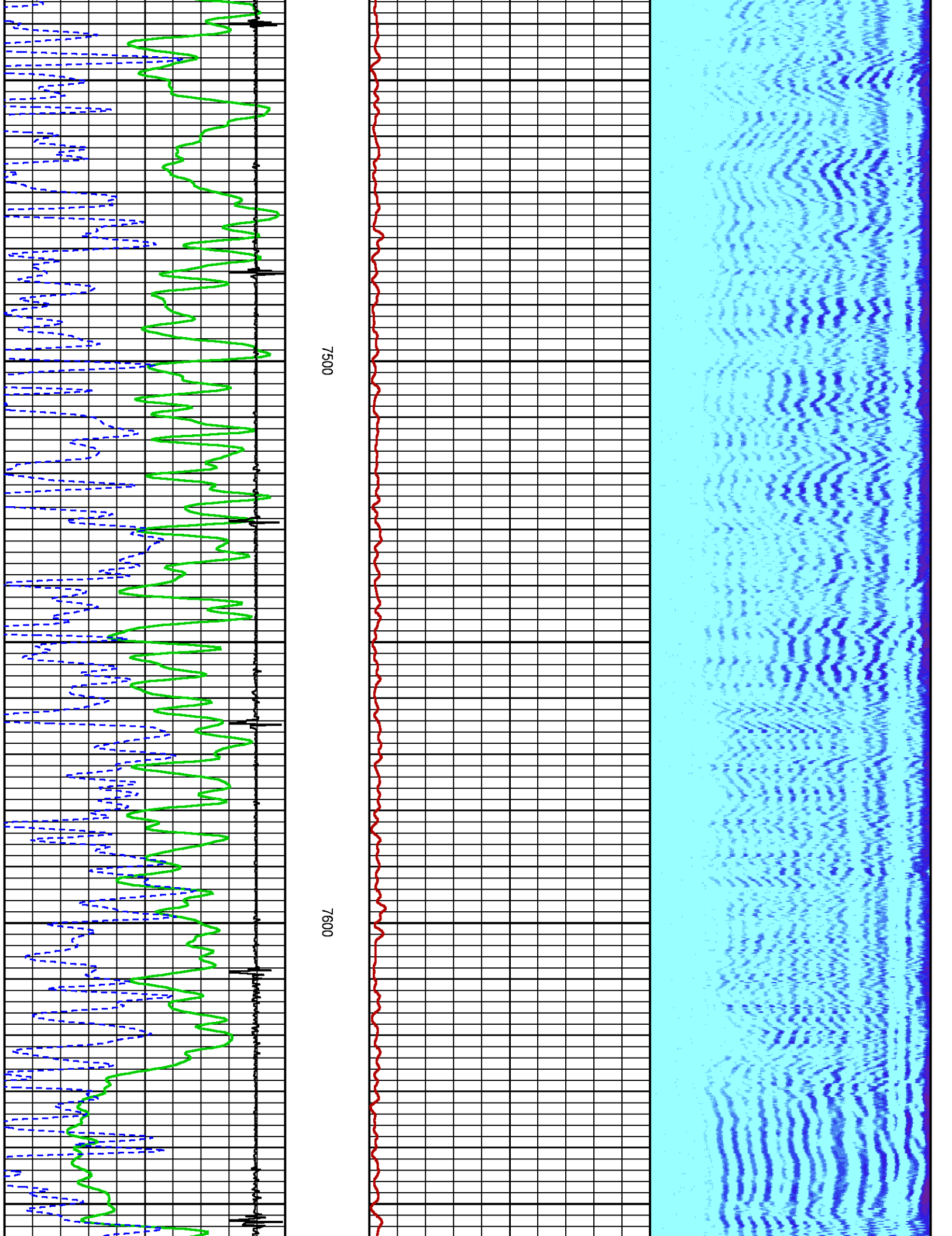
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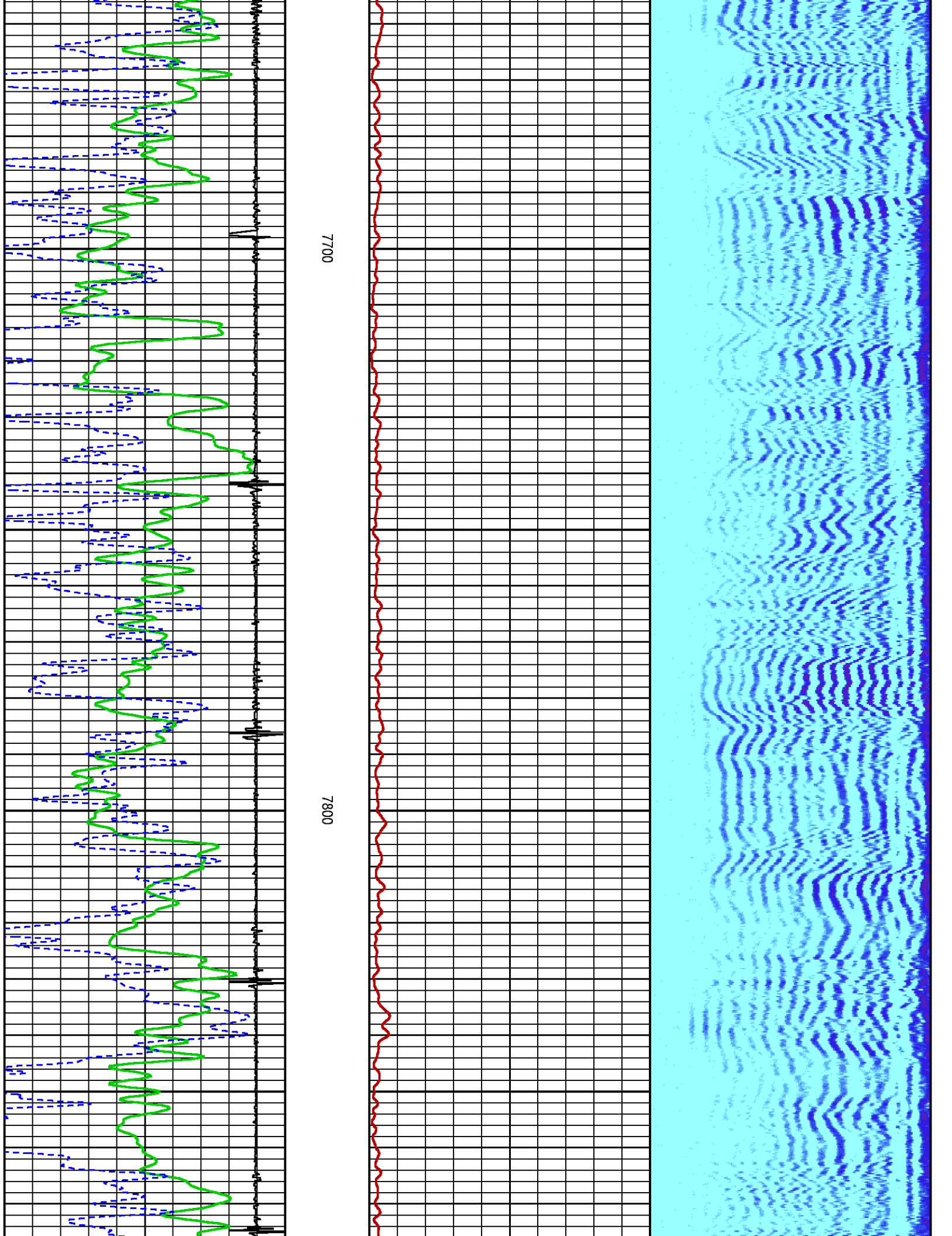
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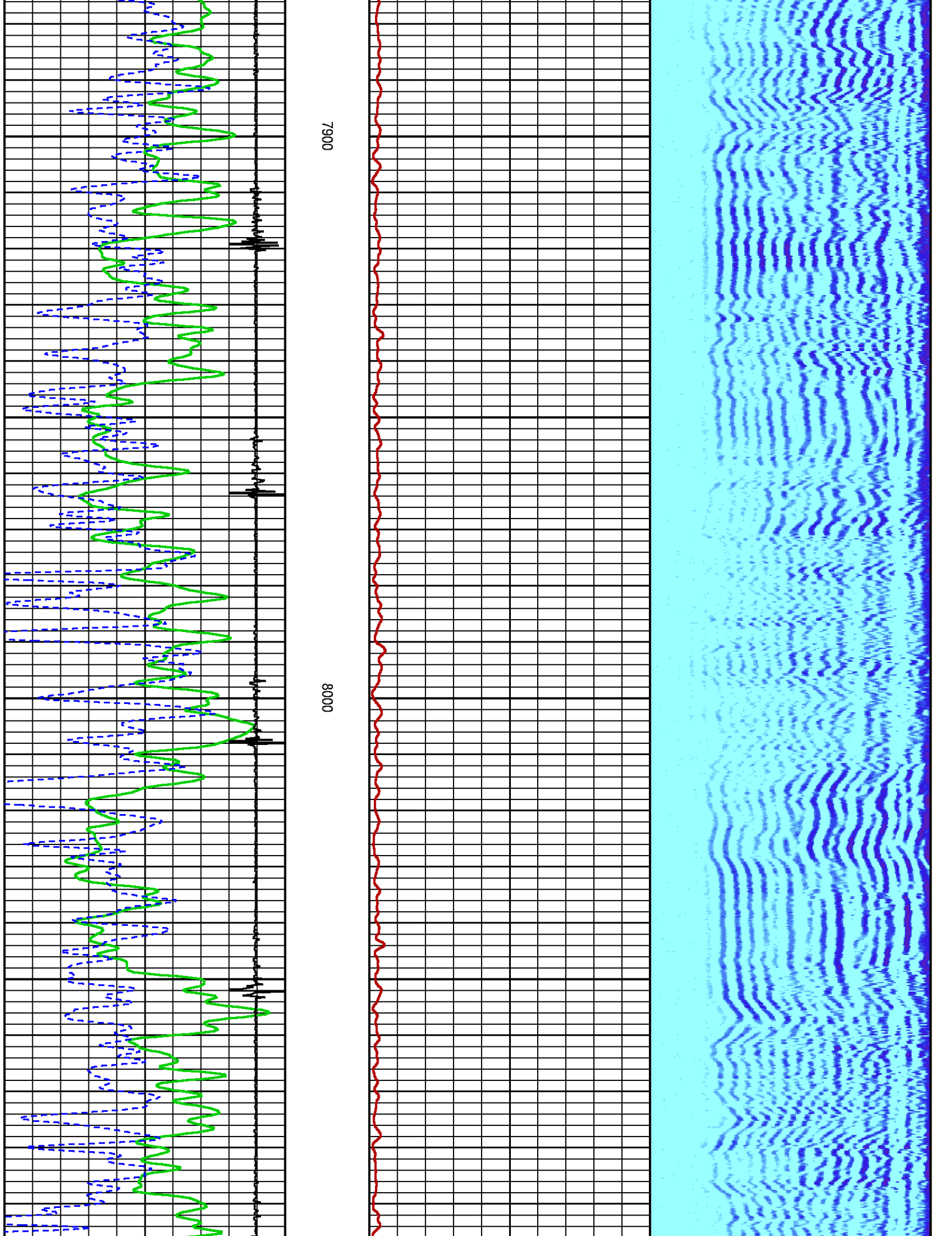


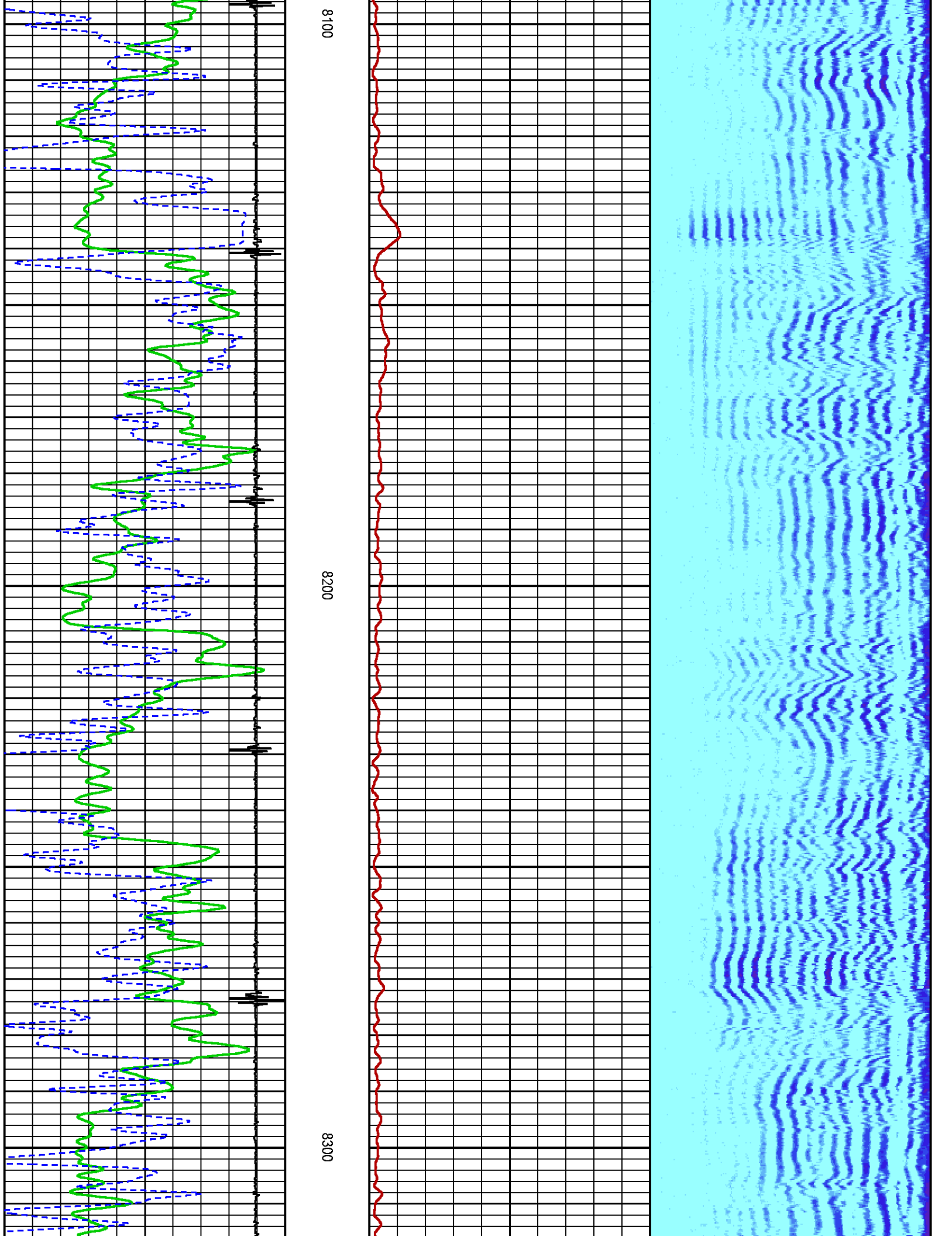


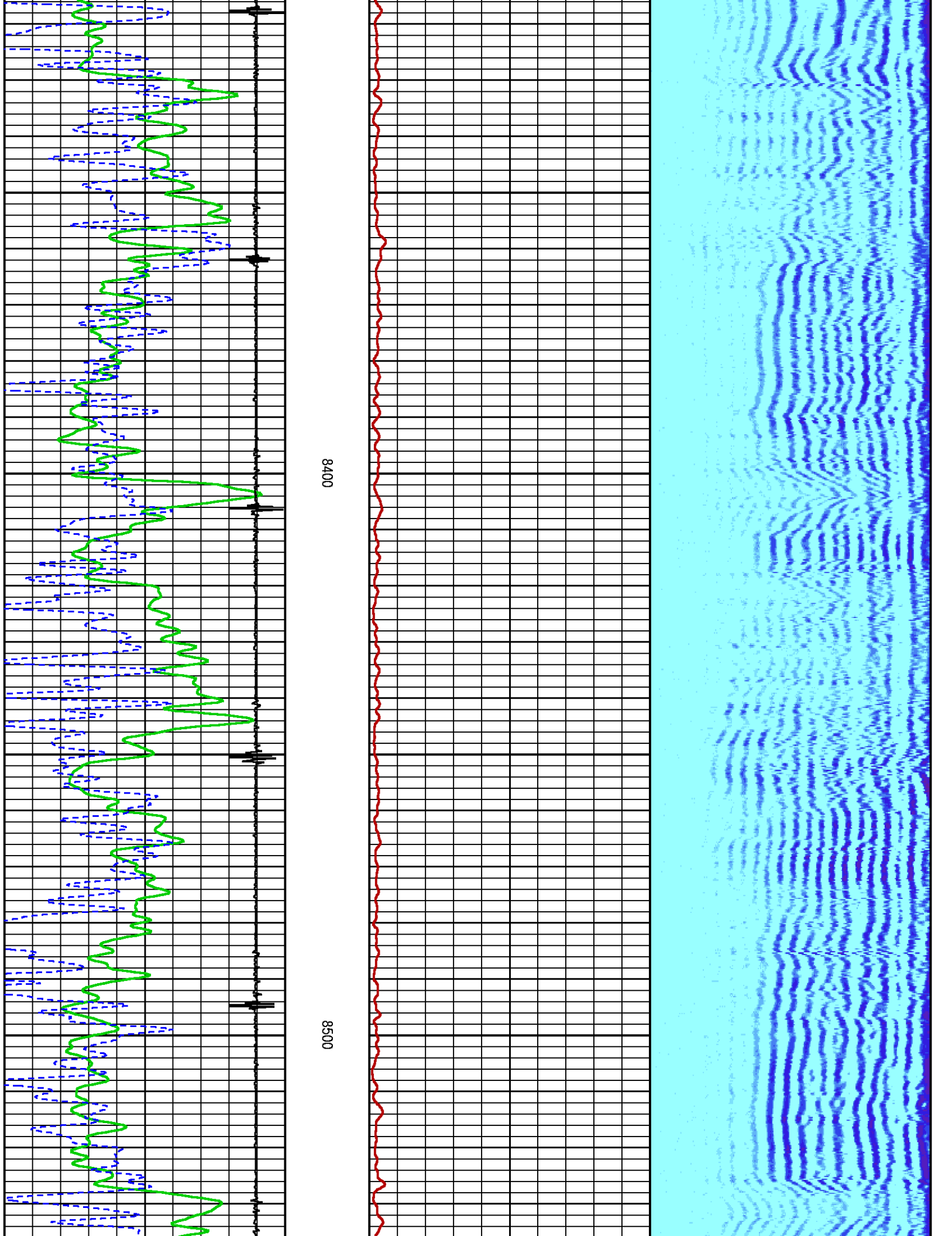


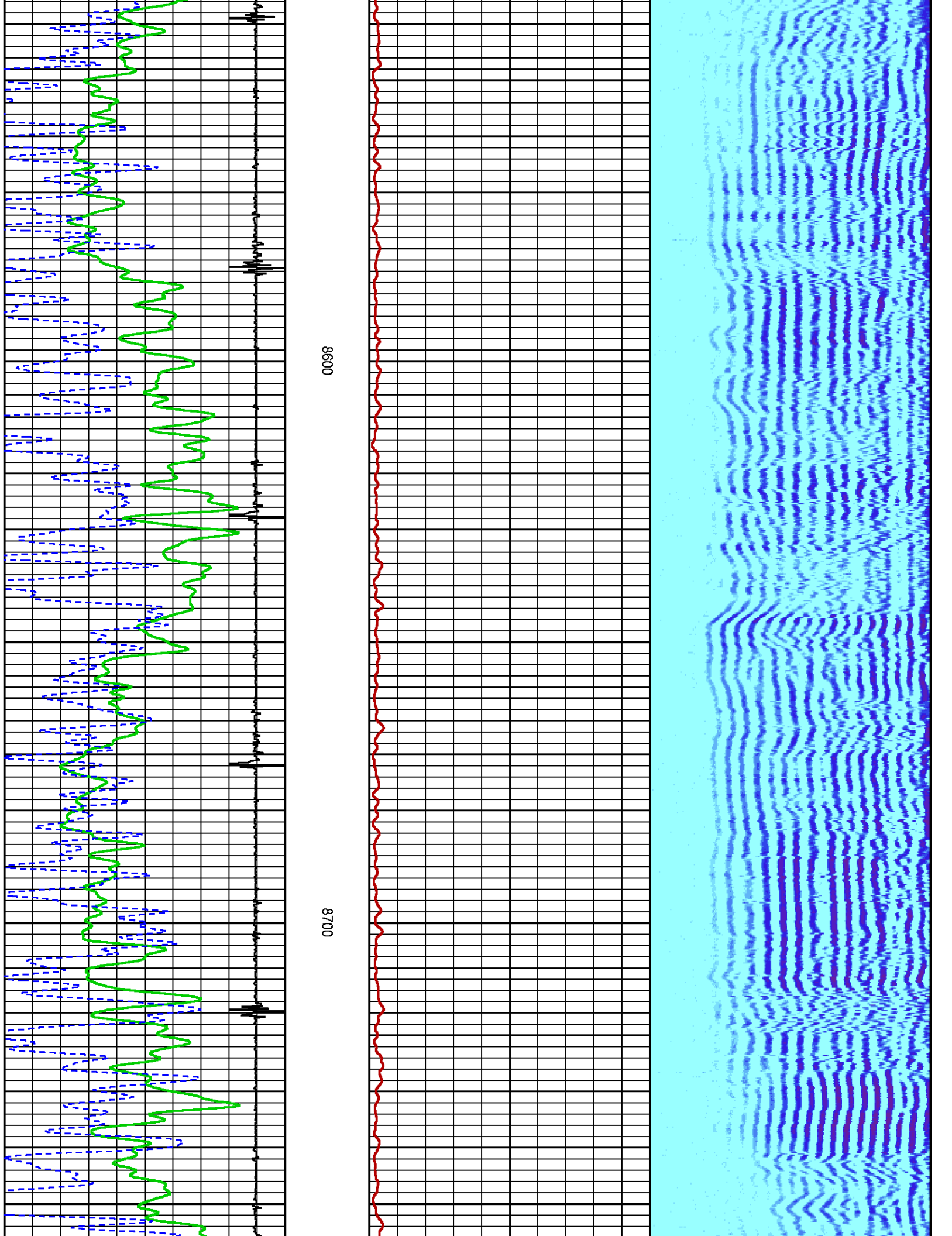


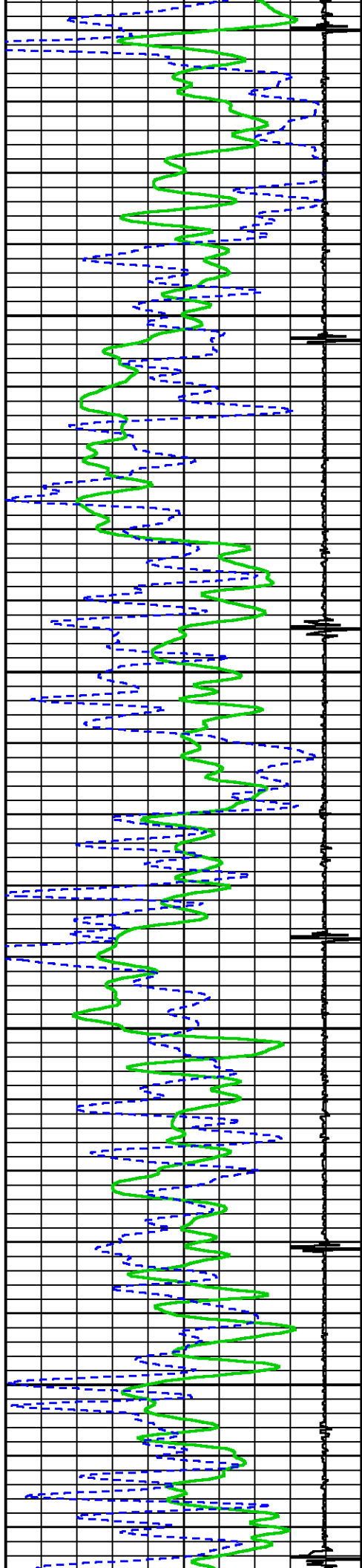






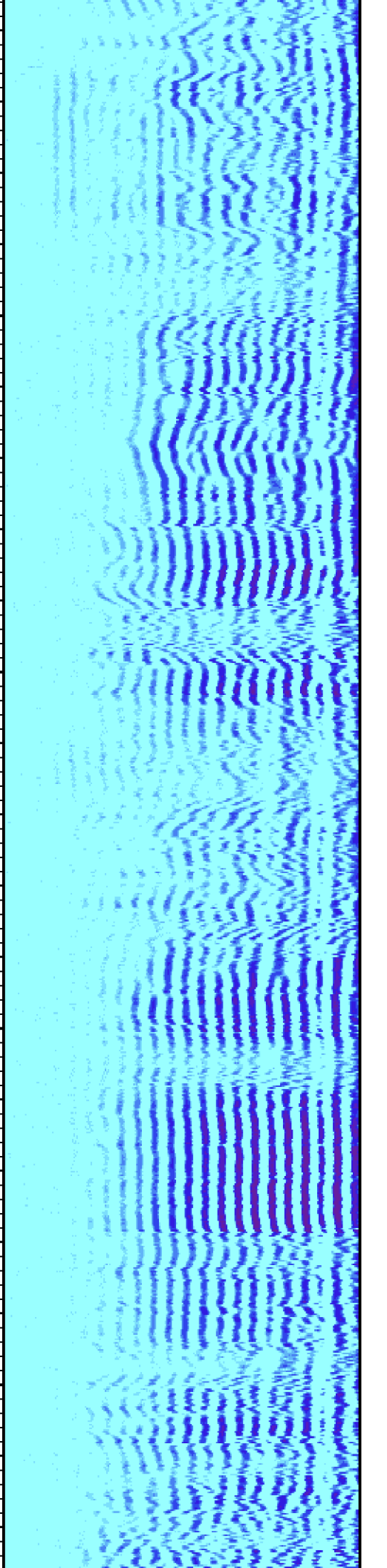
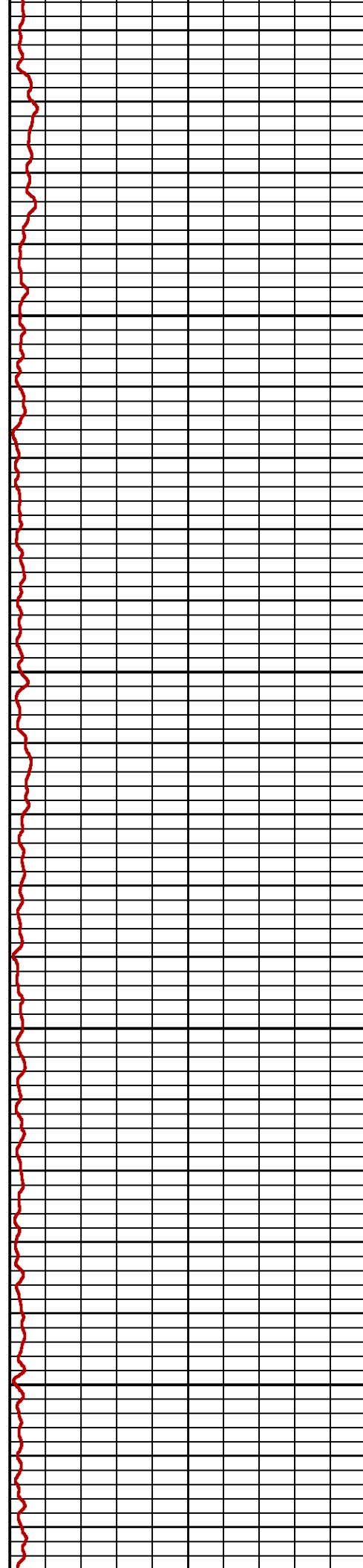


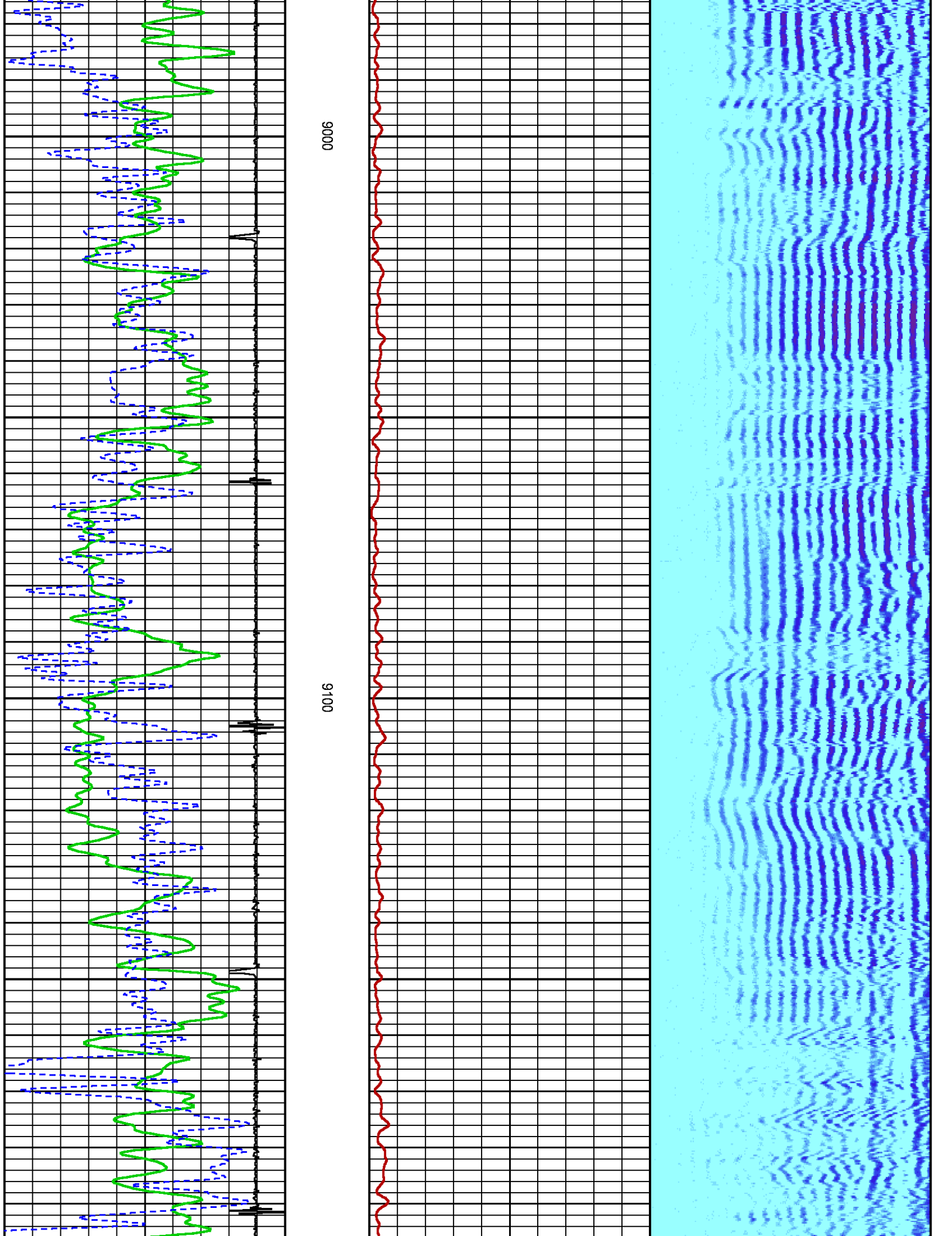


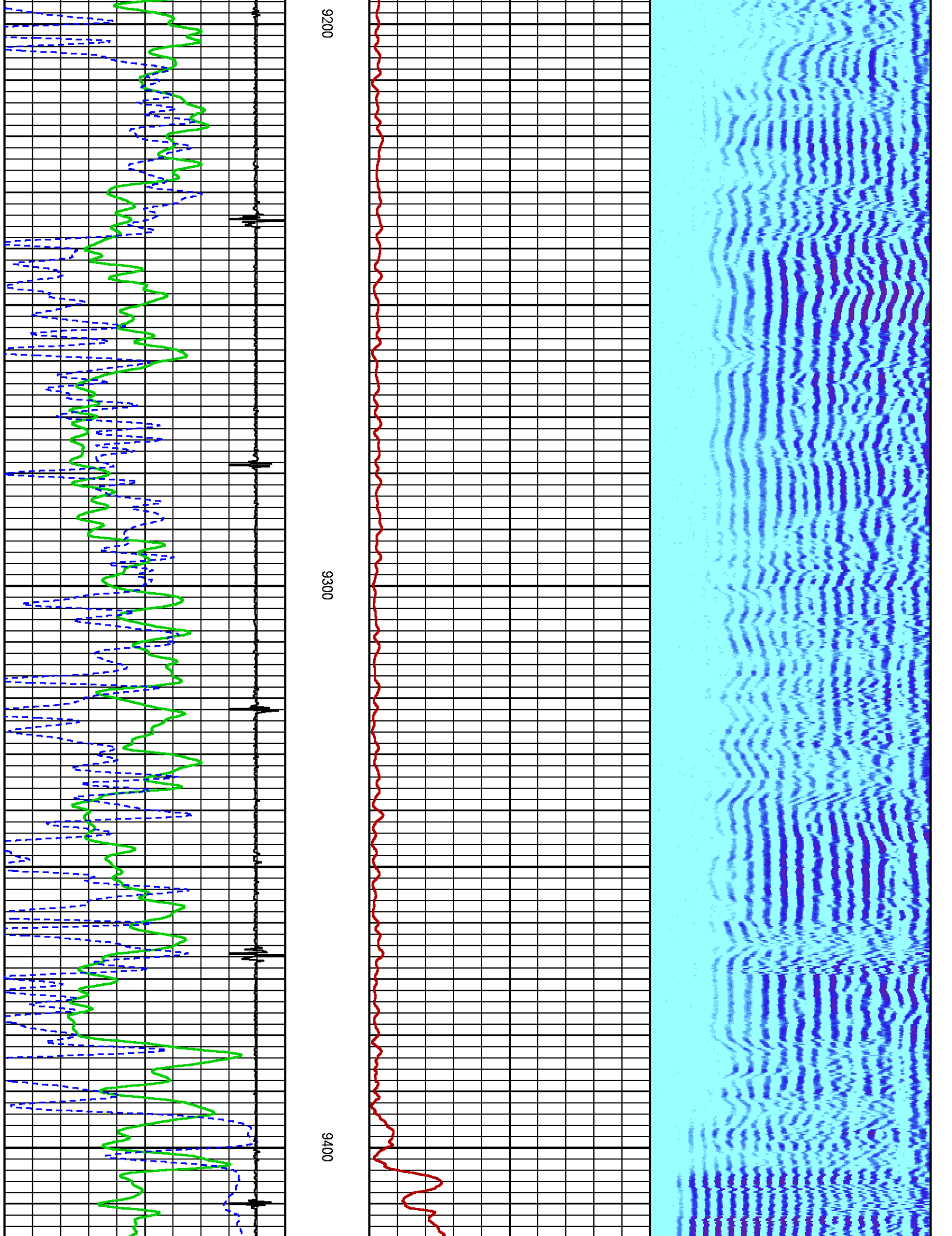


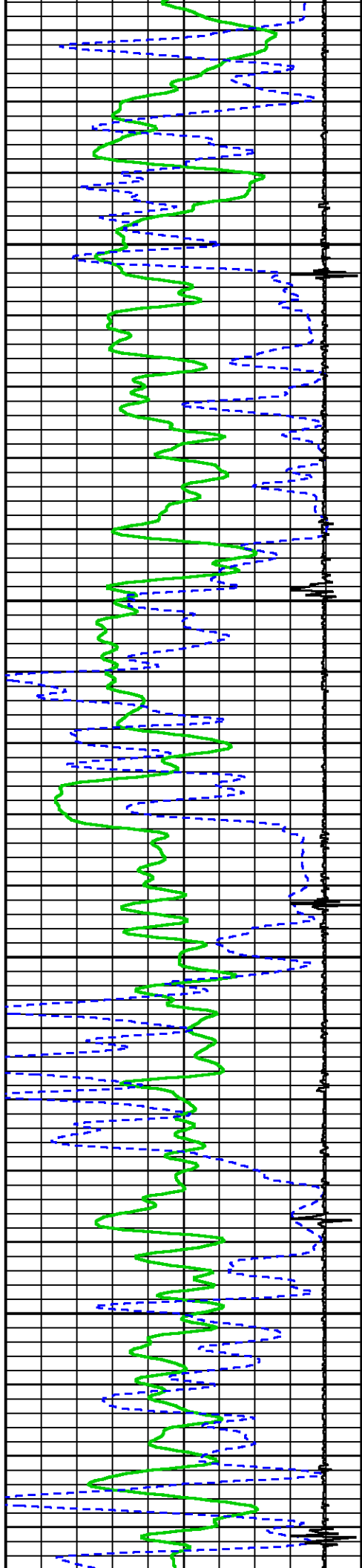
8900

0088



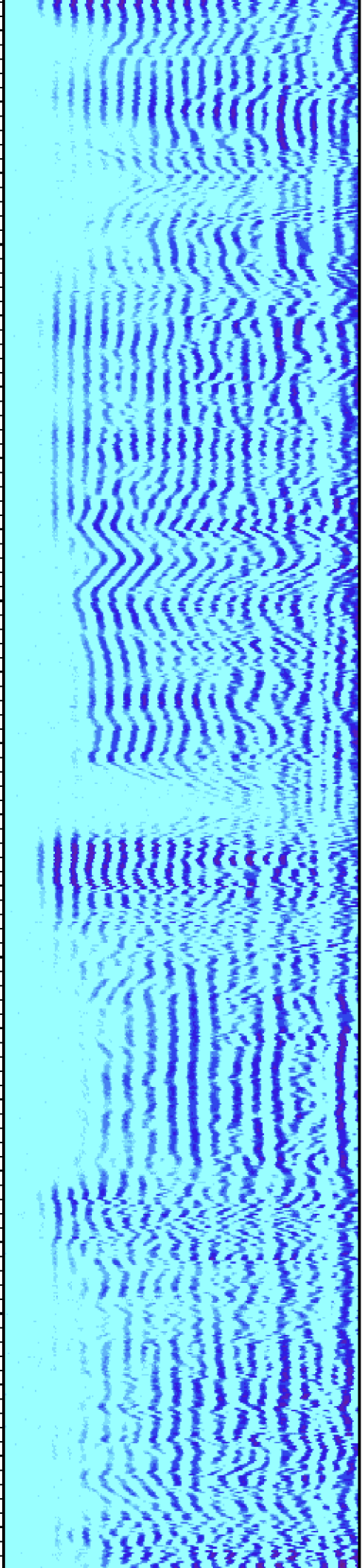
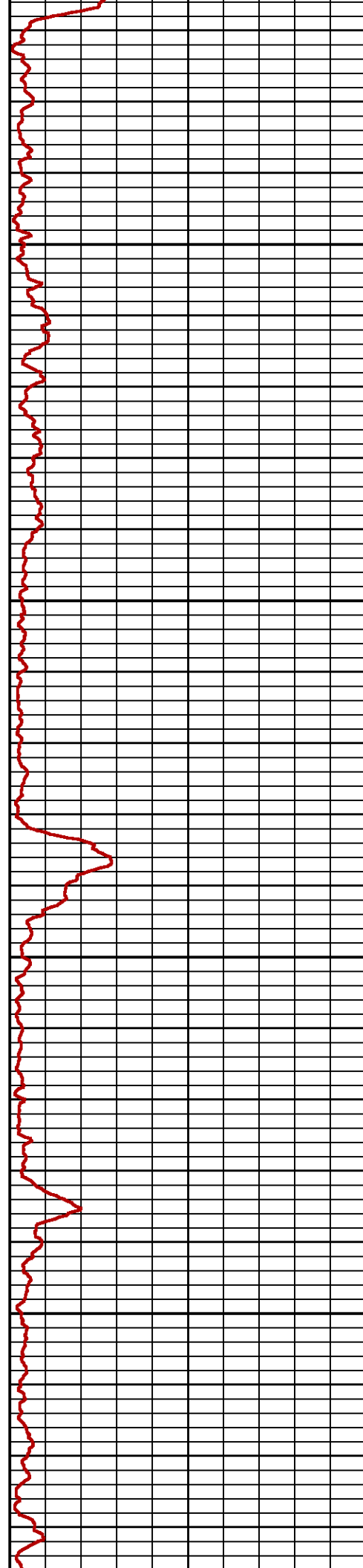


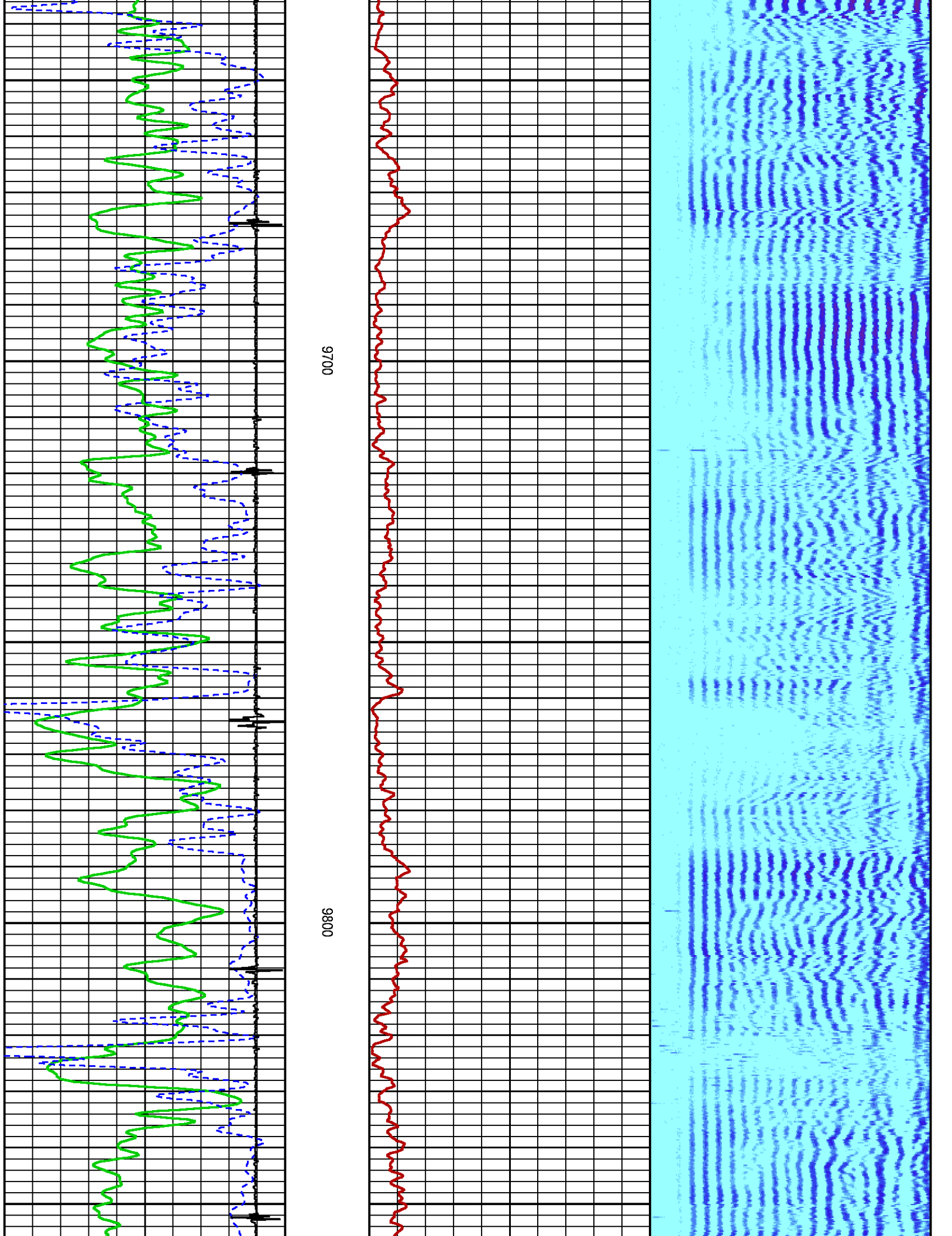


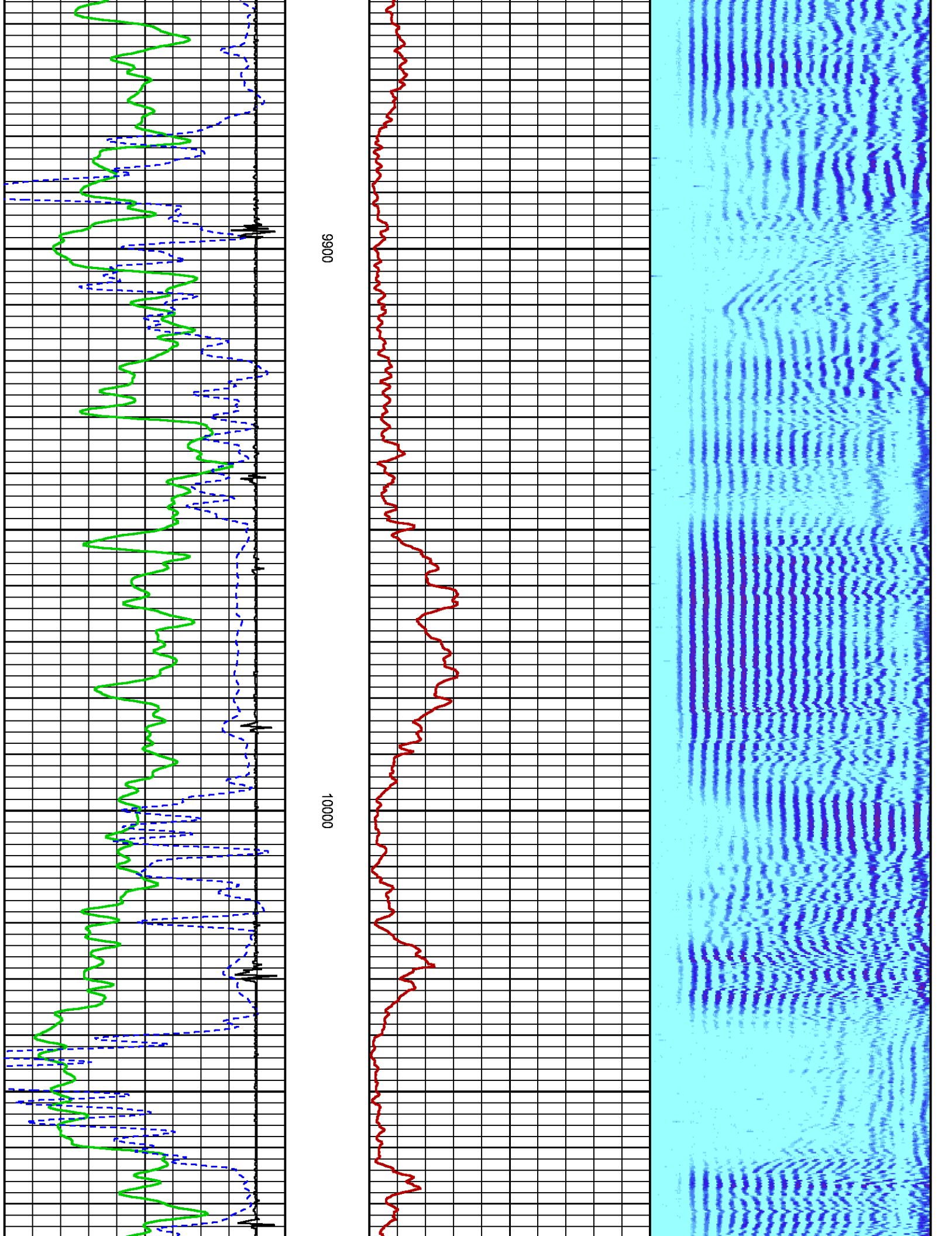


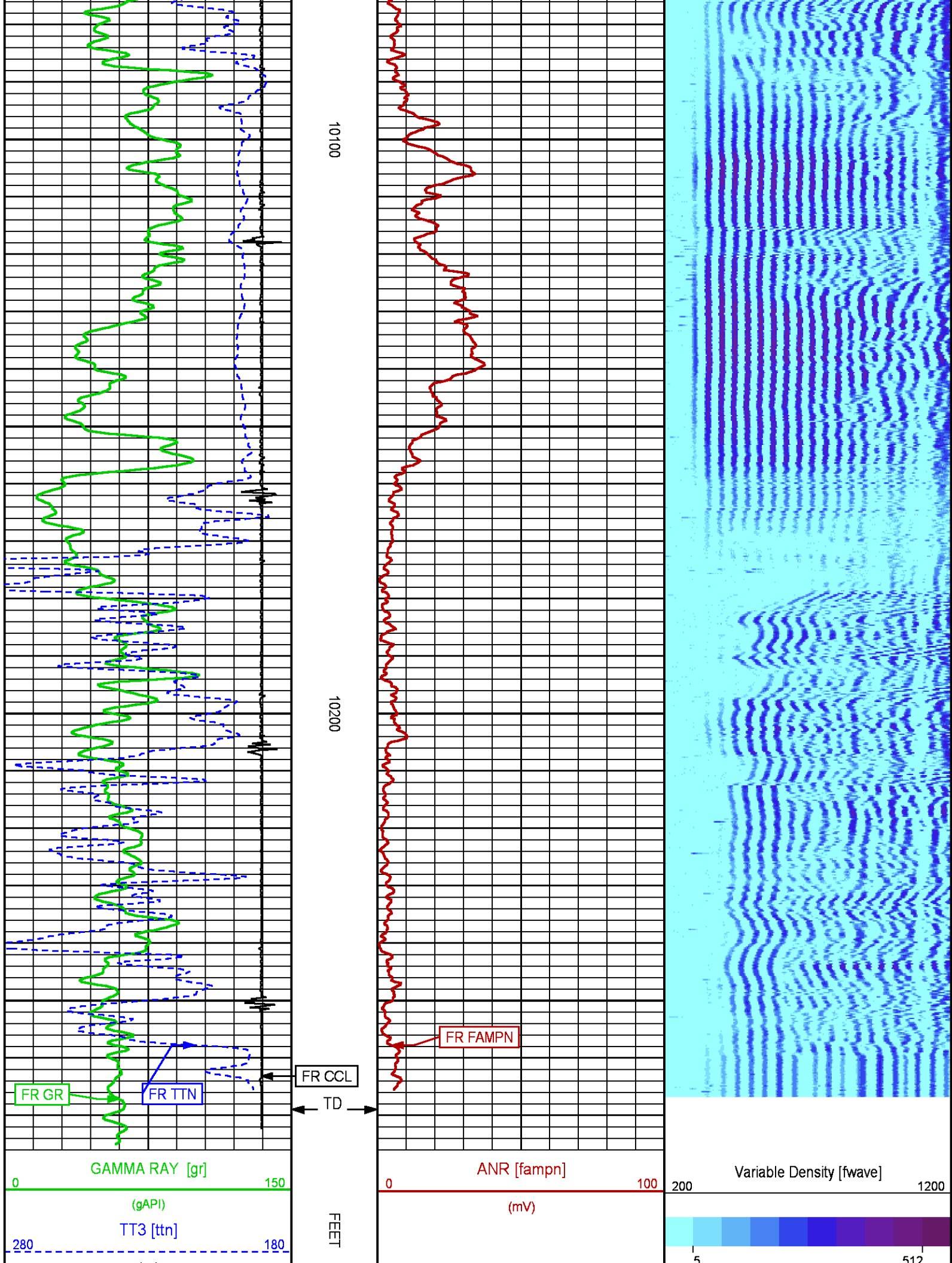
9500

9600









(us)

CCL
20000
(mV)

MAIN SECONDARY PRESENTATION 0 PSI

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

Updates: 1 Patches: 8

Plotted: Thu Nov 12 10:42:01 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH100859/n012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 13.750 ft BOTTOM DEPTH: 10269.000 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1) light (2a)		TOP 9372.000	9372.000 BOTTOM
TRAVEL TIME	FILTER ()	medium (1)		TOP	BOTTOM

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*)	187	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	187	us	"	"
	AMP WINDOW START (fgp3*)	187	us	"	"
	AMP WINDOW START (fgp4*)	187	us	"	"
	AMP WINDOW START (fgp5*)	187	us	"	"
	AMP WINDOW START (fgp6*)	187	us	"	"
	AMP WINDOW START (fgp7*)	187	us	"	"
	AMP WINDOW START (fgp8*)	187	us	"	"
	AMP WINDOW START (fgpn*)	187	us	"	"
	AMP WINDOW LENGTH	24	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	175	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*)	-69	us	"	"
	TOOL DELAY (str2*)	-69	us	"	"
	TOOL DELAY (str3*)	-69	us	"	"
	TOOL DELAY (str4*)	-69	us	"	"
	TOOL DELAY (str5*)	-69	us	"	"
	TOOL DELAY (str6*)	-69	us	"	"
	TOOL DELAY (str7*)	-69	us	"	"
	TOOL DELAY (str8*)	-69	us	"	"
BASELINE NOISE (NEAR)	TOOL DELAY (strn*)	-69	us	"	"
	NOISE WINDOW START	125	us	"	"
	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 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

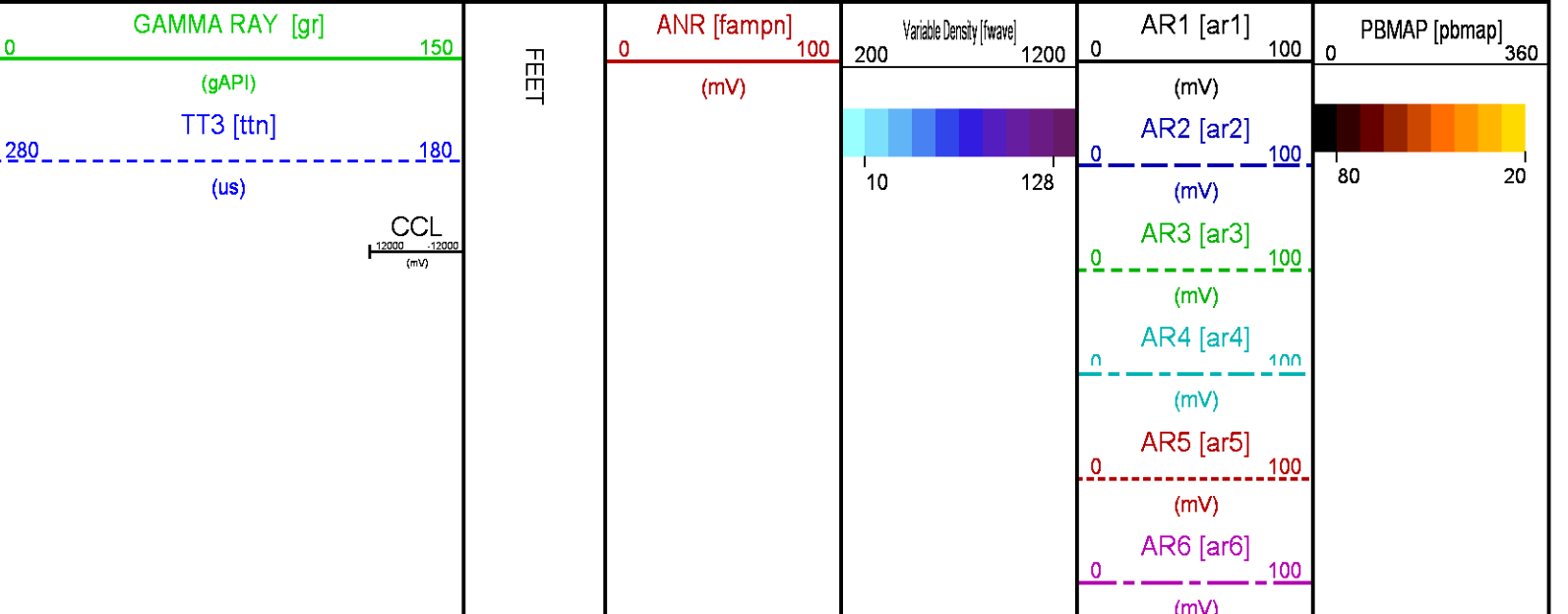
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Nov 12 08:23:07 2015	CASING COLLAR LOCATOR
F1:FAMPN	Nov 12 08:23:07 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Nov 12 08:23:07 2015	FAR WAVE FORM
F1:GR	Nov 12 08:23:07 2015	GAMMA RAY
F1:PBMAP	Nov 12 08:23:07 2015	PERCENT BOND CEMENT MAP
F1:TTN	Nov 12 08:23:07 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER

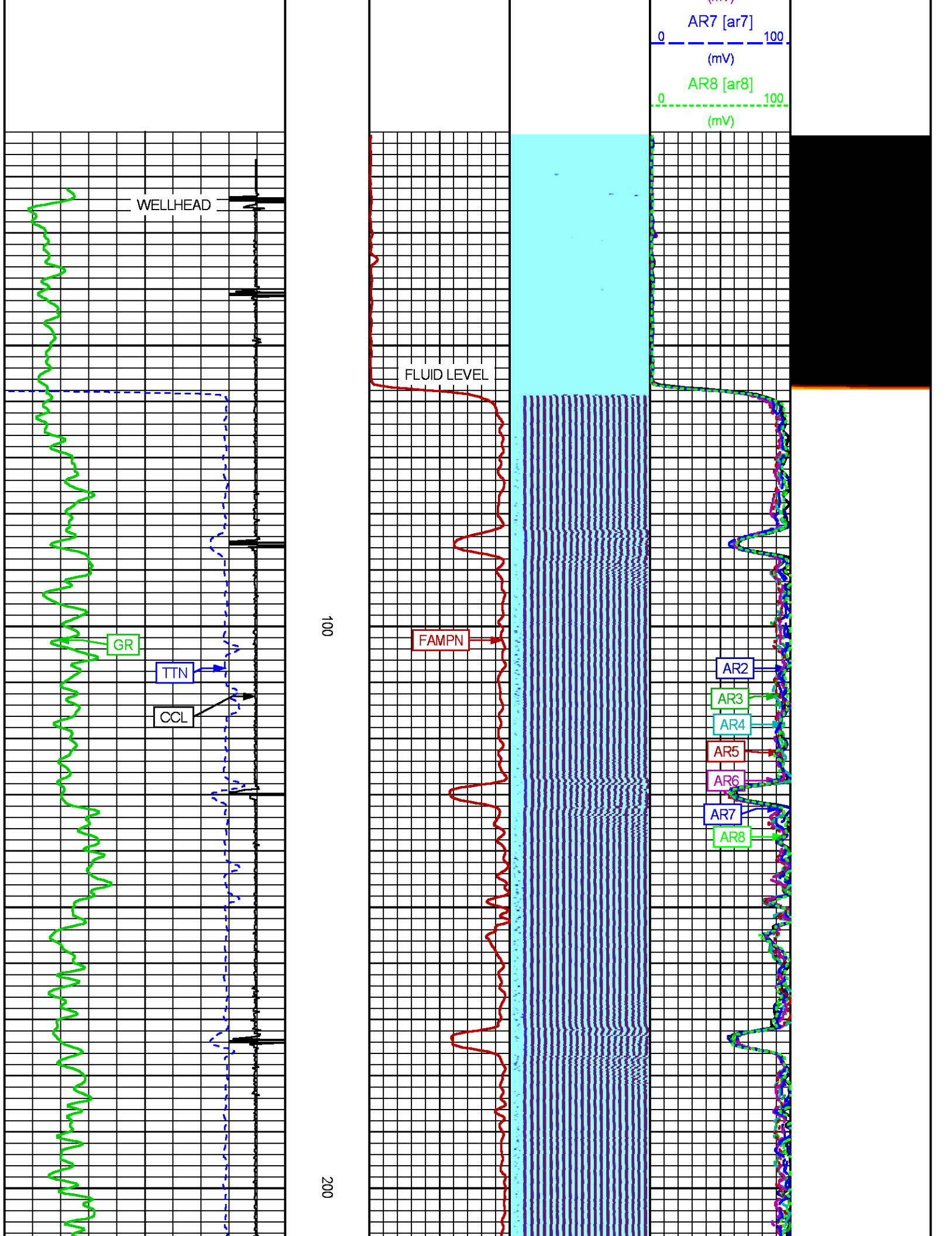
CURVE MEASURE POINT OFFSET

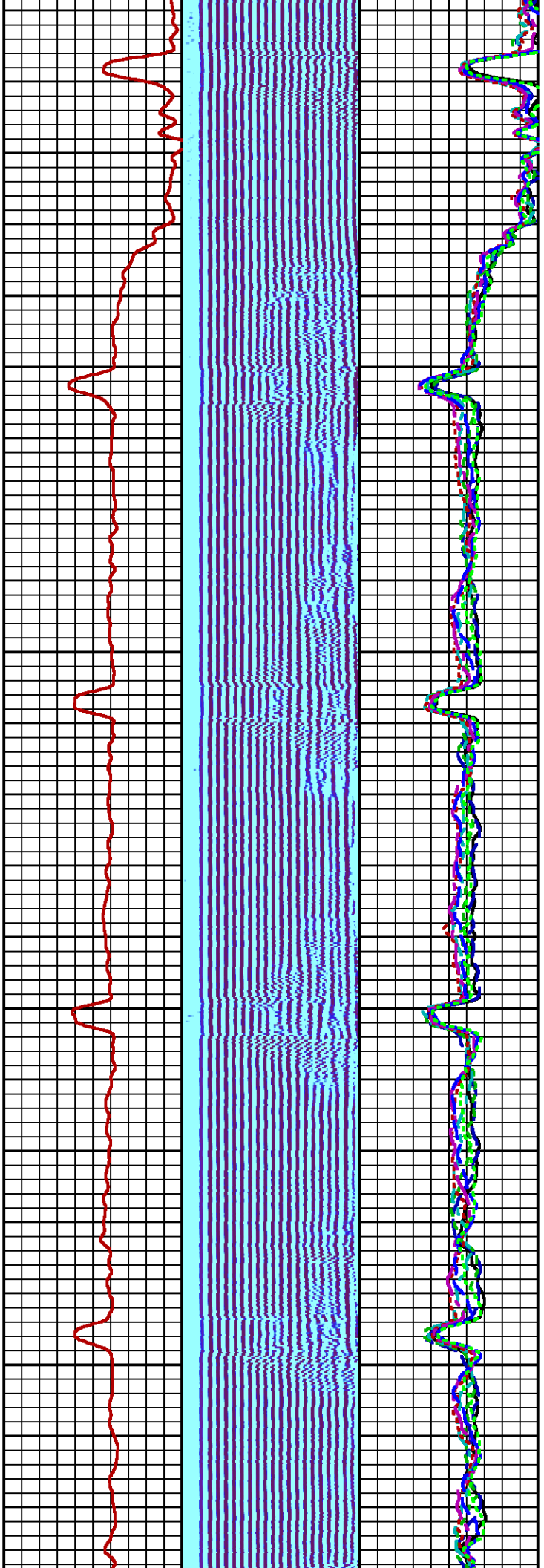
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	11.25	AR4	11.25	AR7	11.25	FAMPN	11.25
AR2	11.25	AR5	11.25	AR8	11.25	GR	1.75
AR3	11.25	AR6	11.25	CCL	5.75	TTN	11.25

Presentation : cas6685:/dat1a/CH100859/WPX_main-secondary.fvpdf [5"/100' Scale]
Plot Interval : 12.5 - 10276.8 Feet

Data File 1 : F1 : cas6685:/dat1a/CH100859/n012g02.xtf
Created On : Nov 12 08:23:07 2015
Company : WPX ENERGY INC
Well : RU 344-5
Field : RULISON
File Interval : 11.5 - 10278 Feet
OCT : n012g

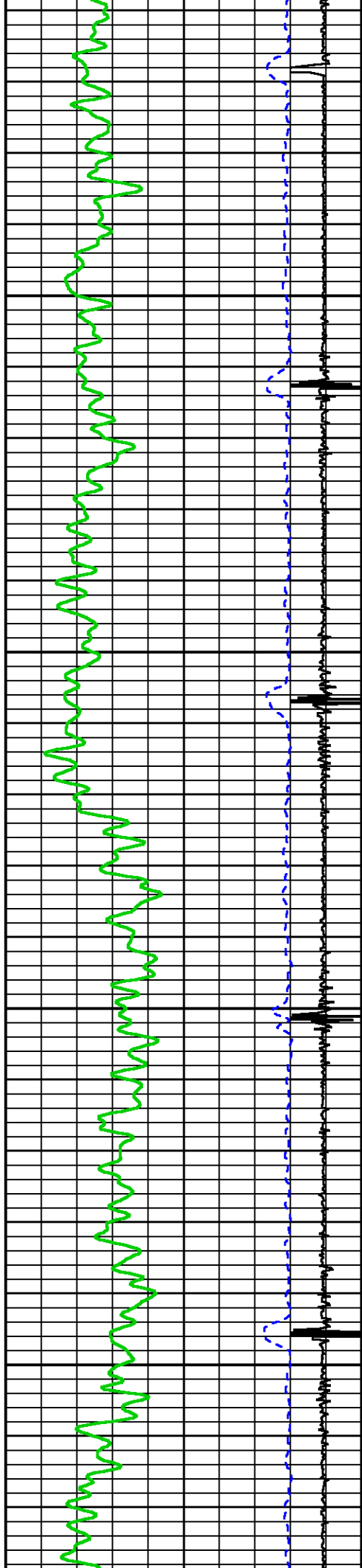


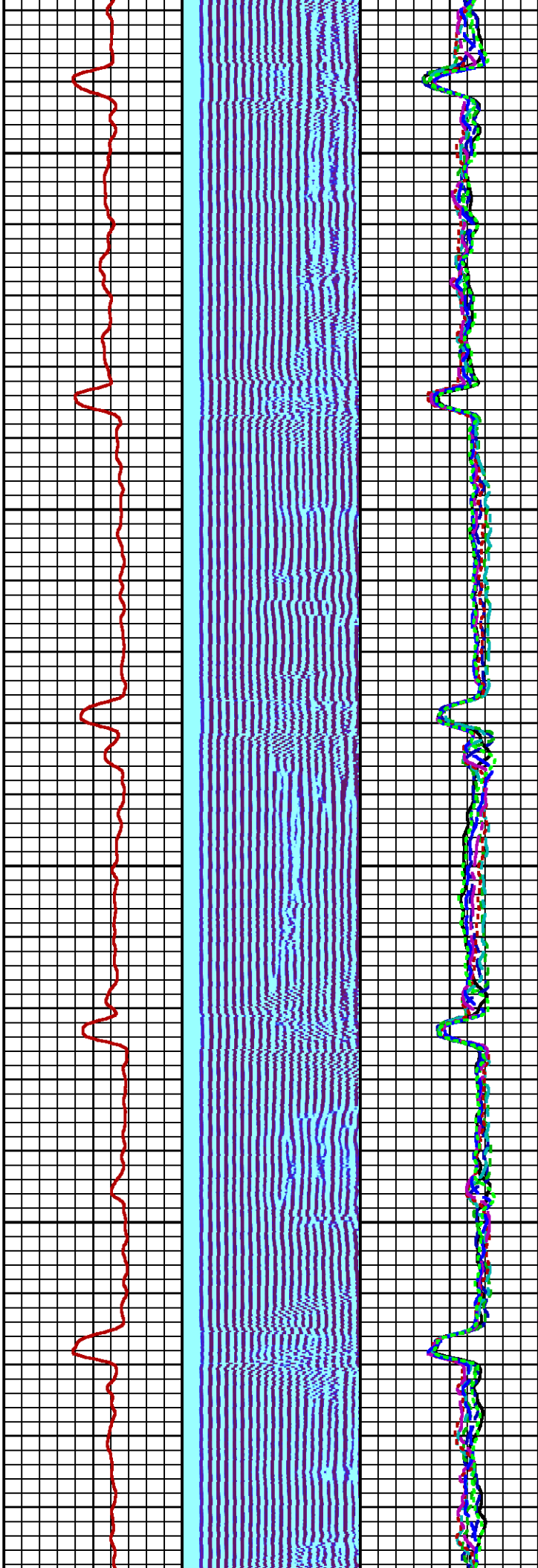




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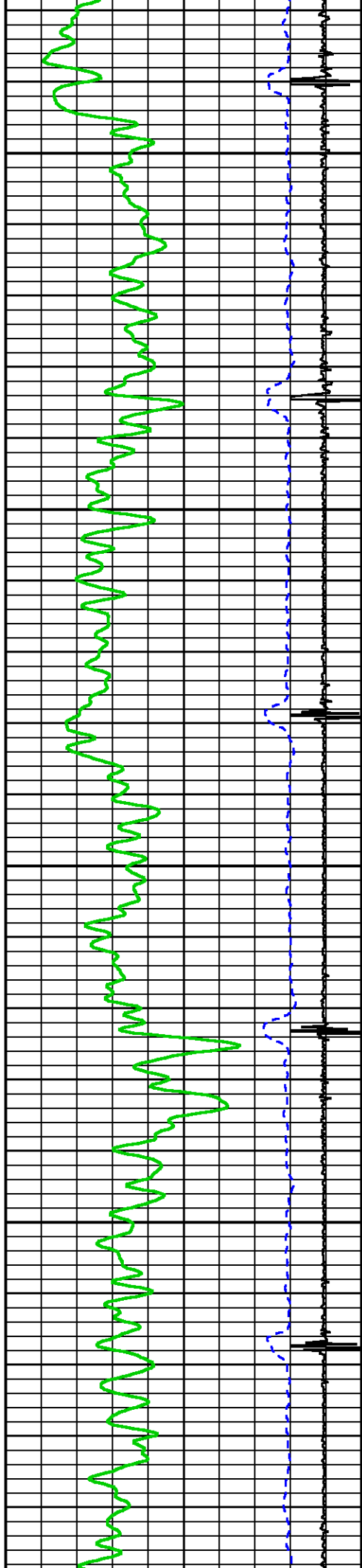
400



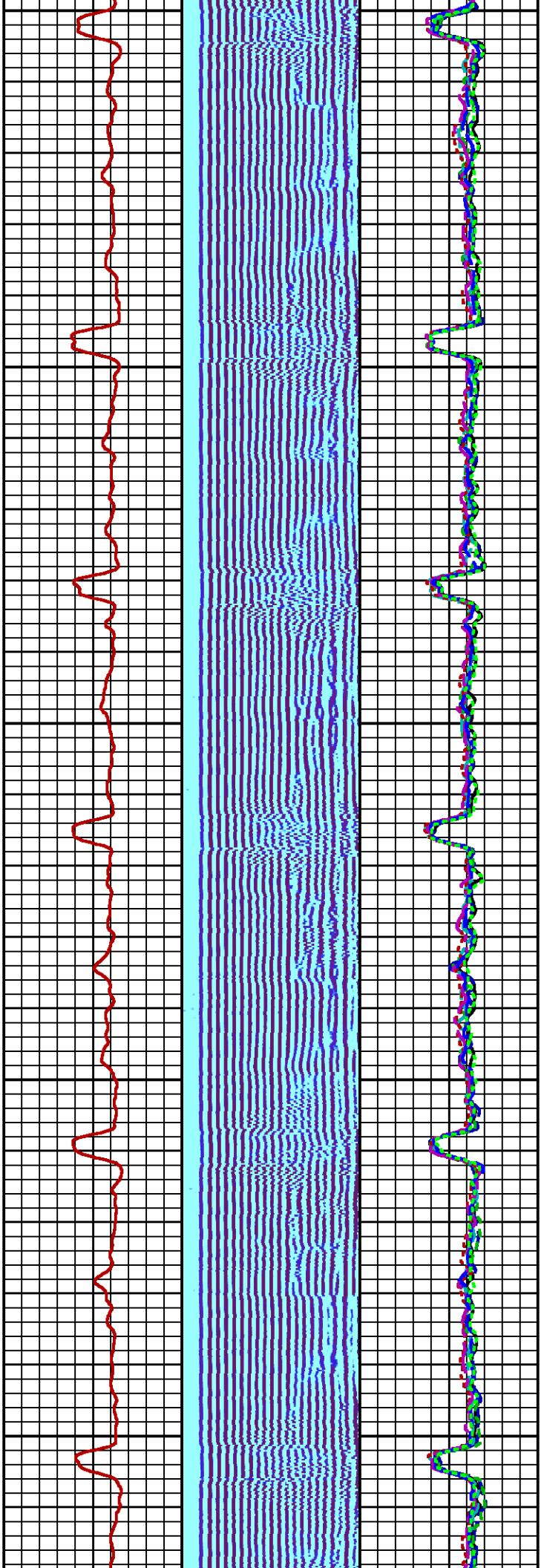


500

600

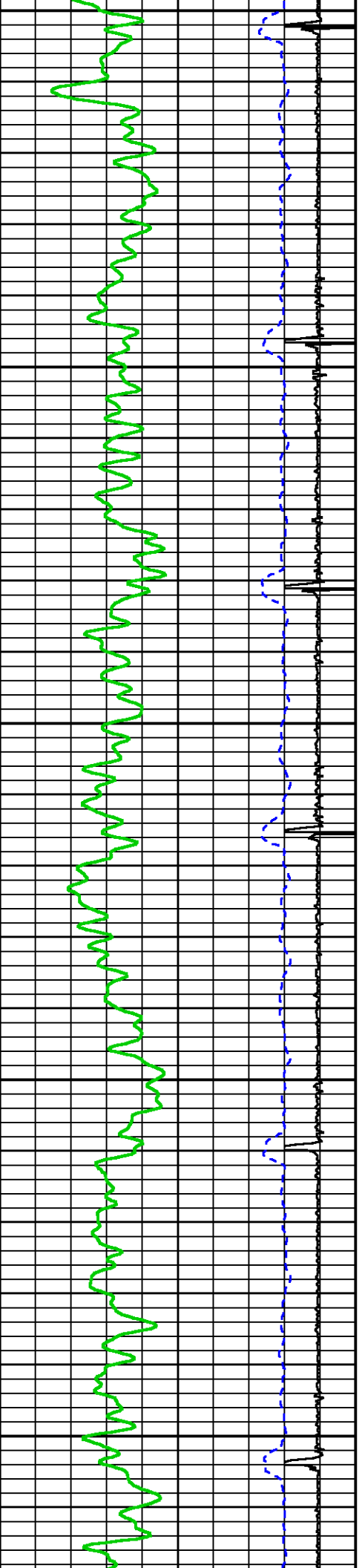


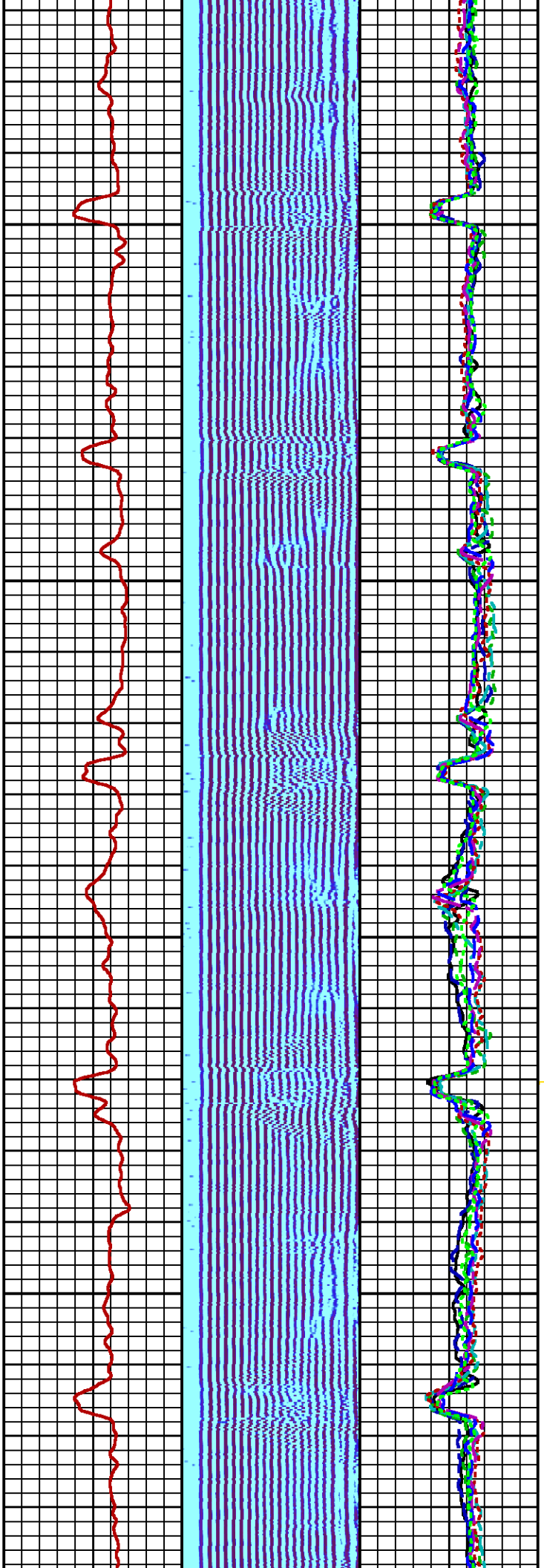
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700

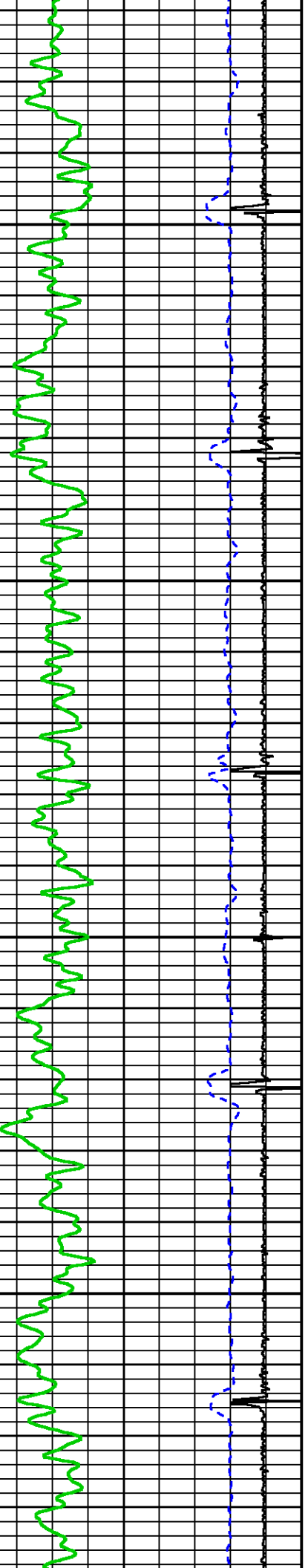
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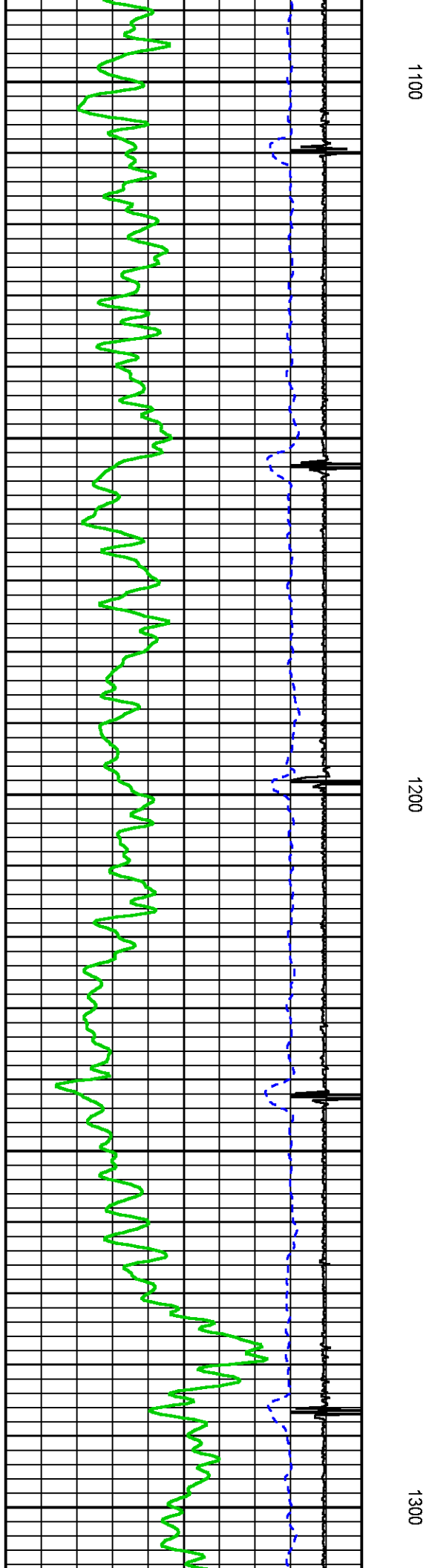
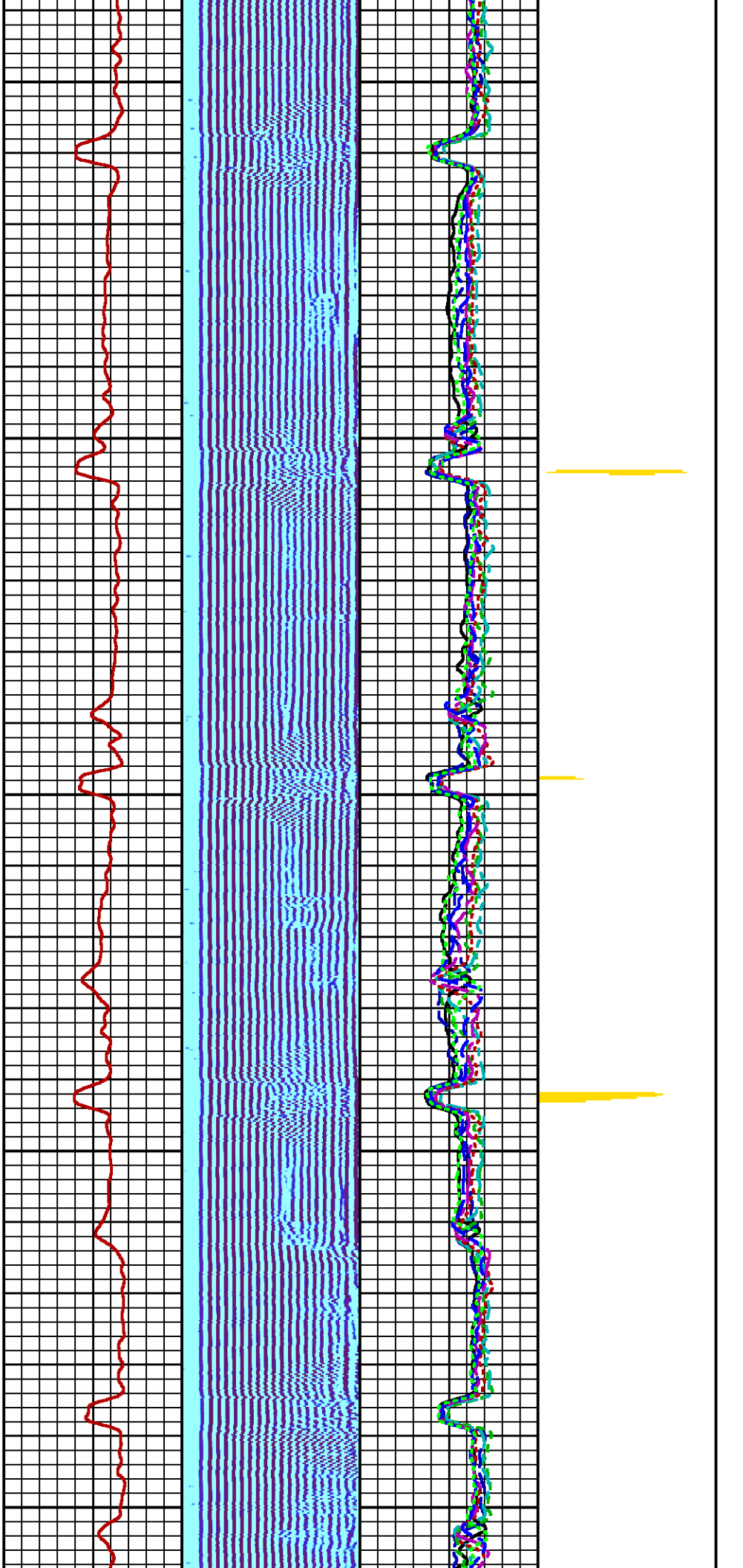


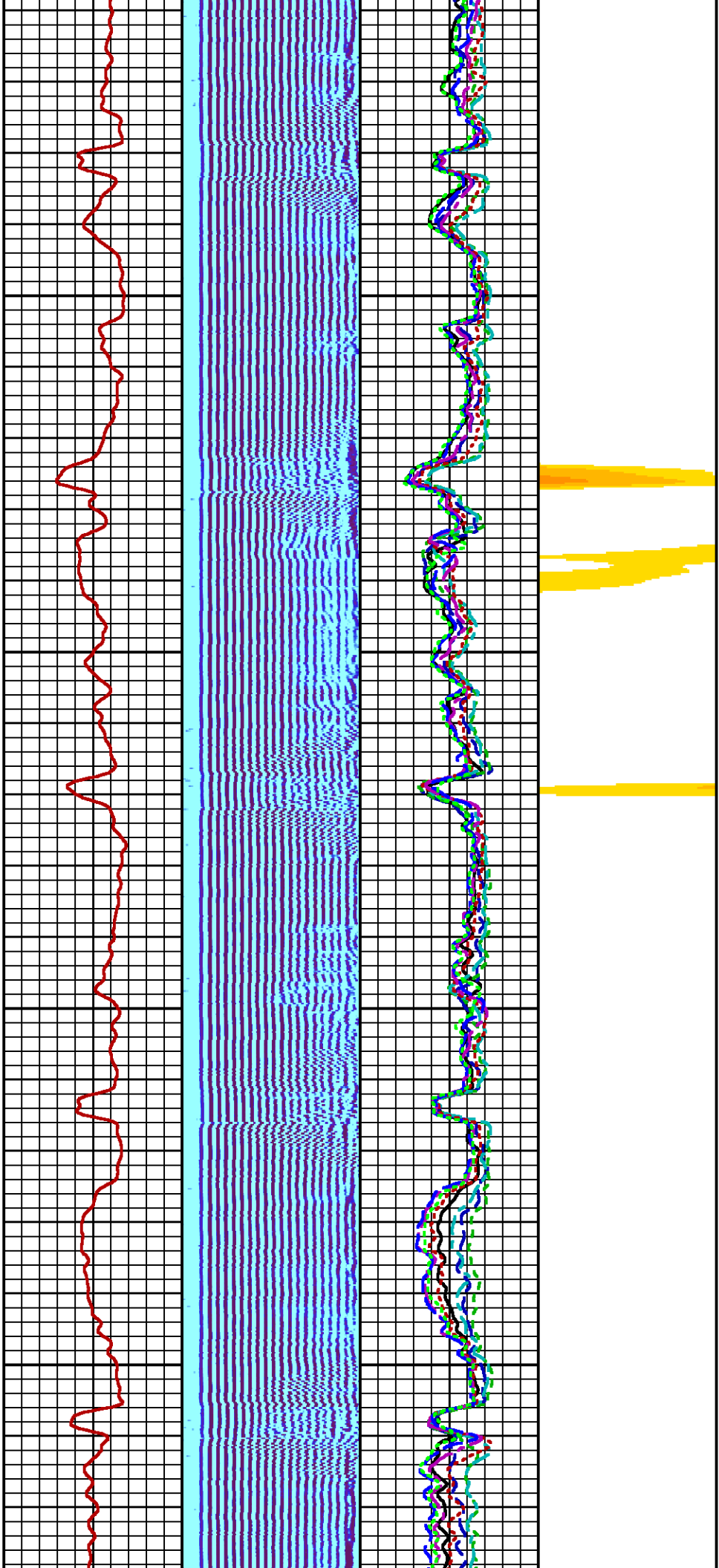


900

1000

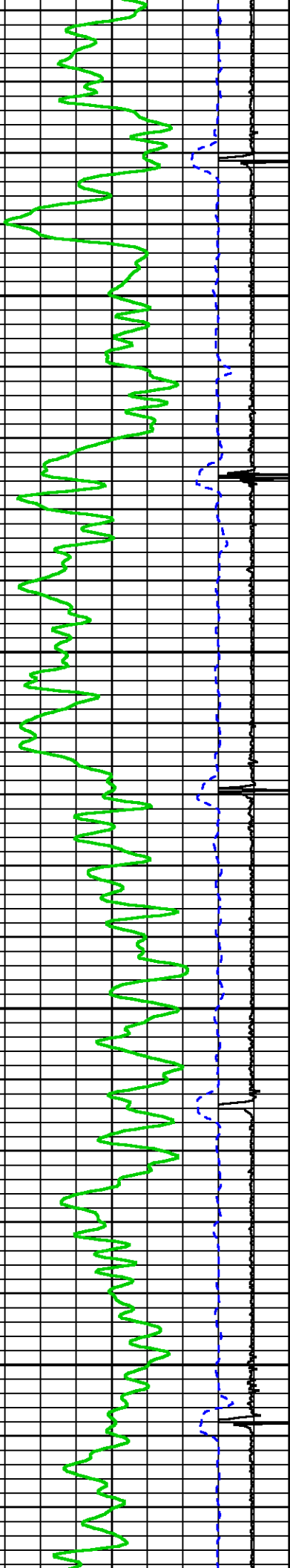


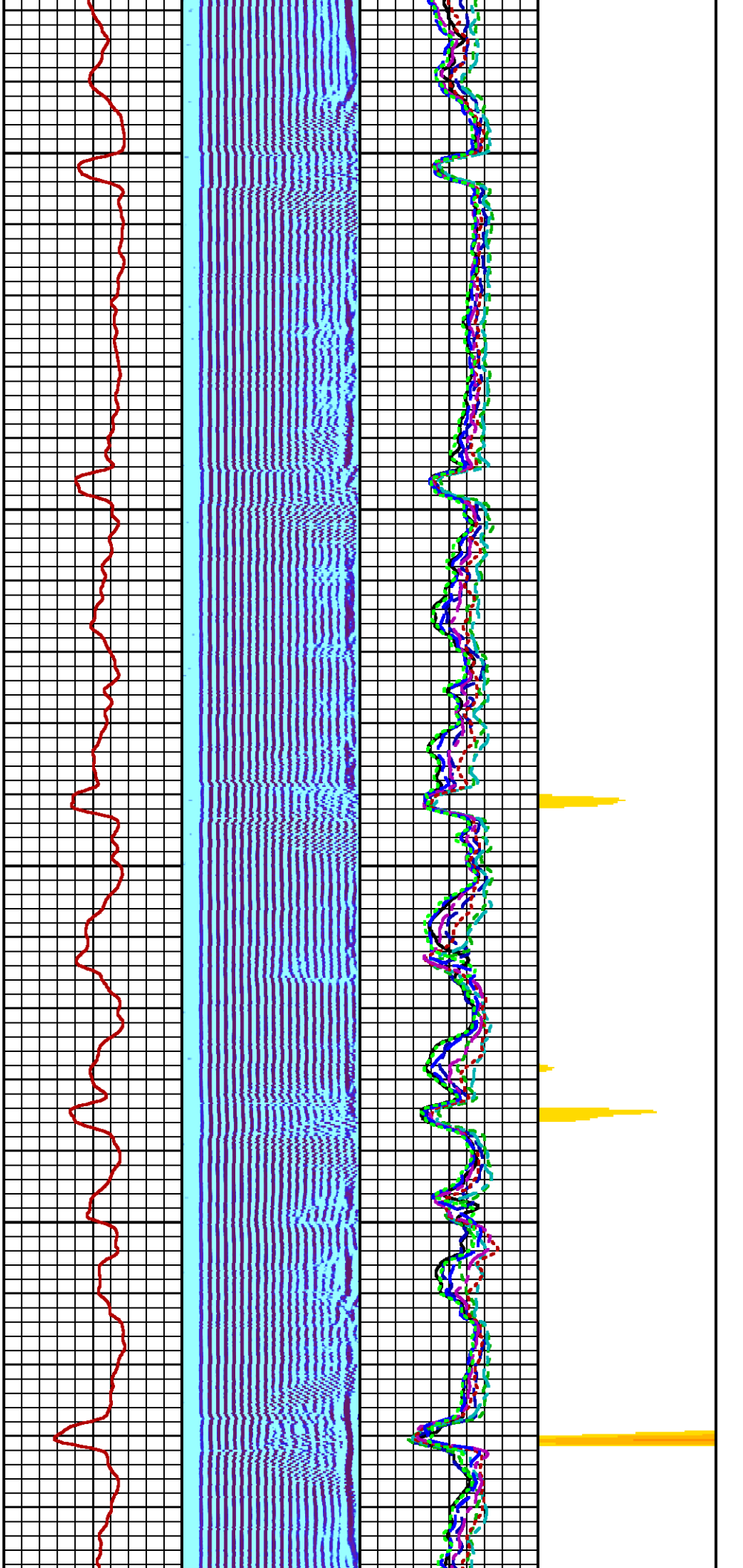




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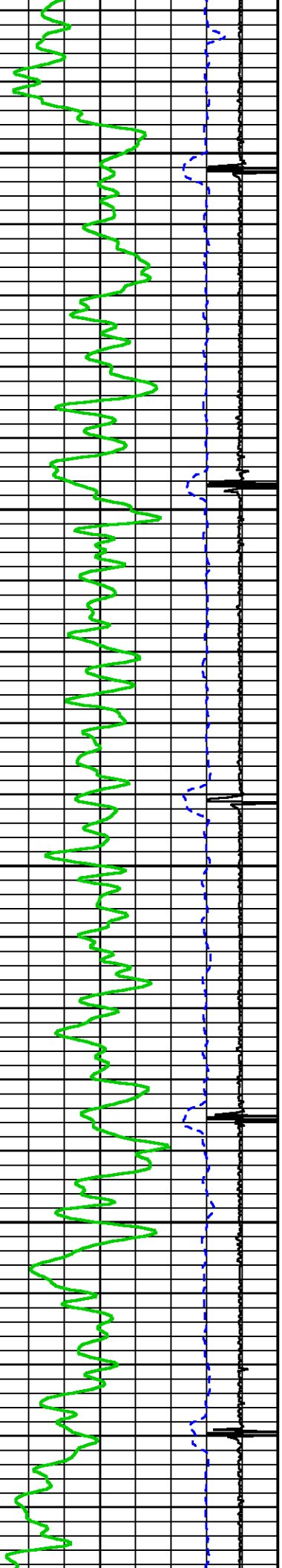
1500

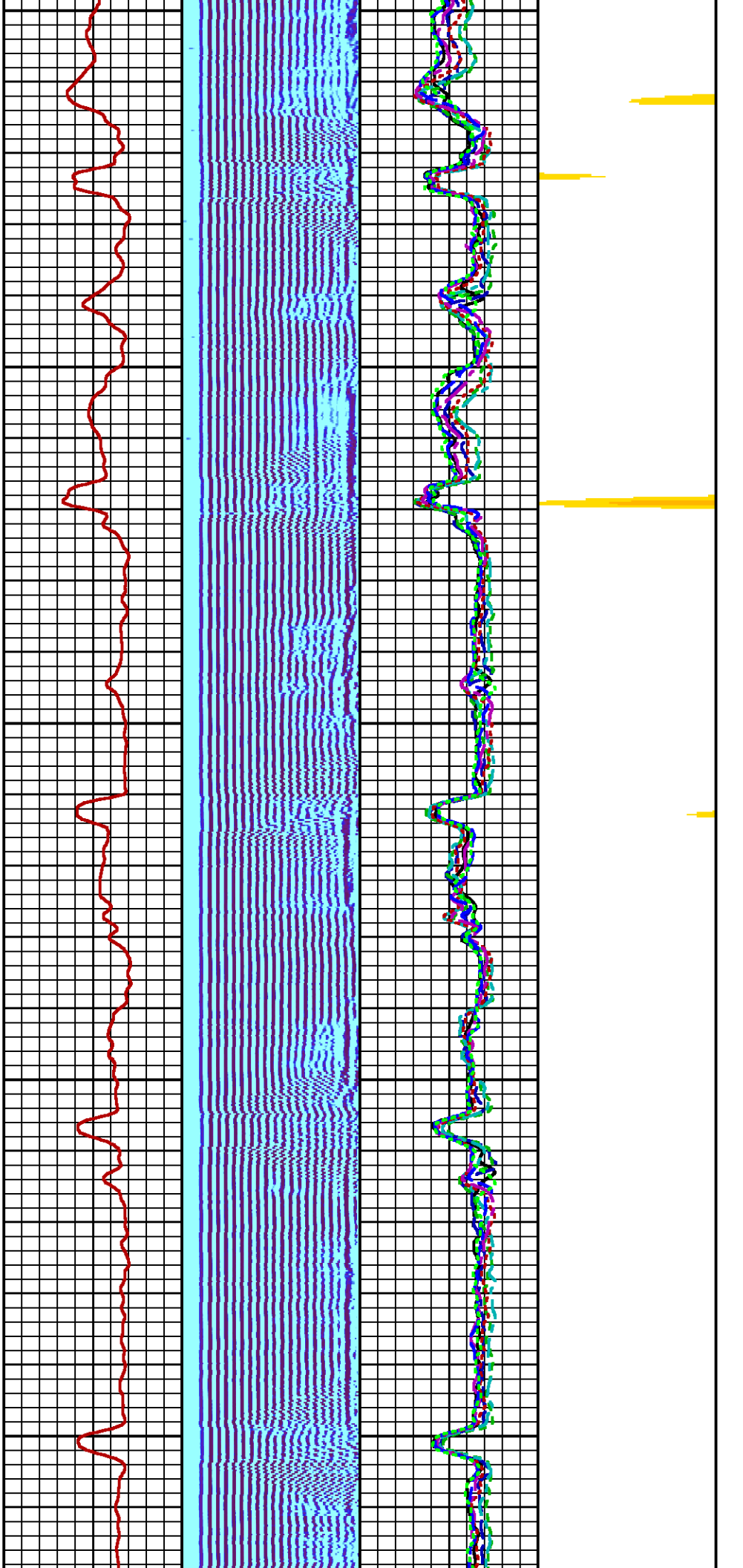




1600

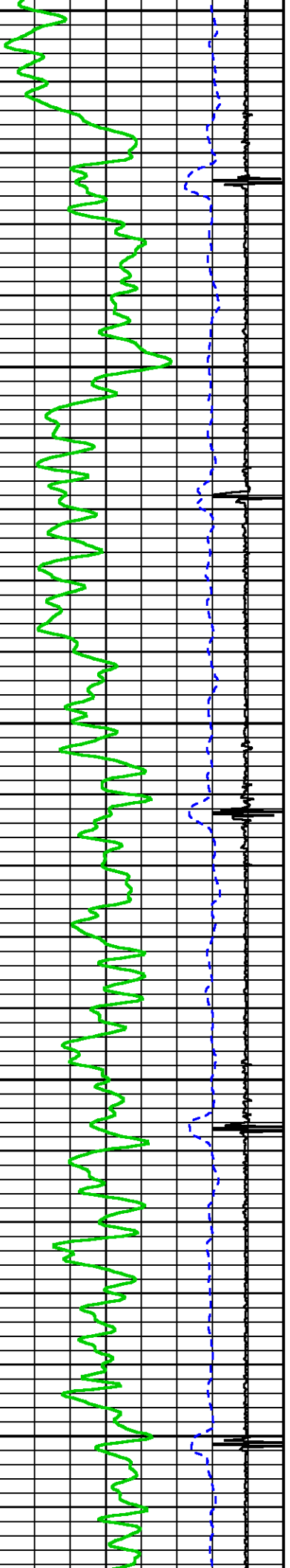
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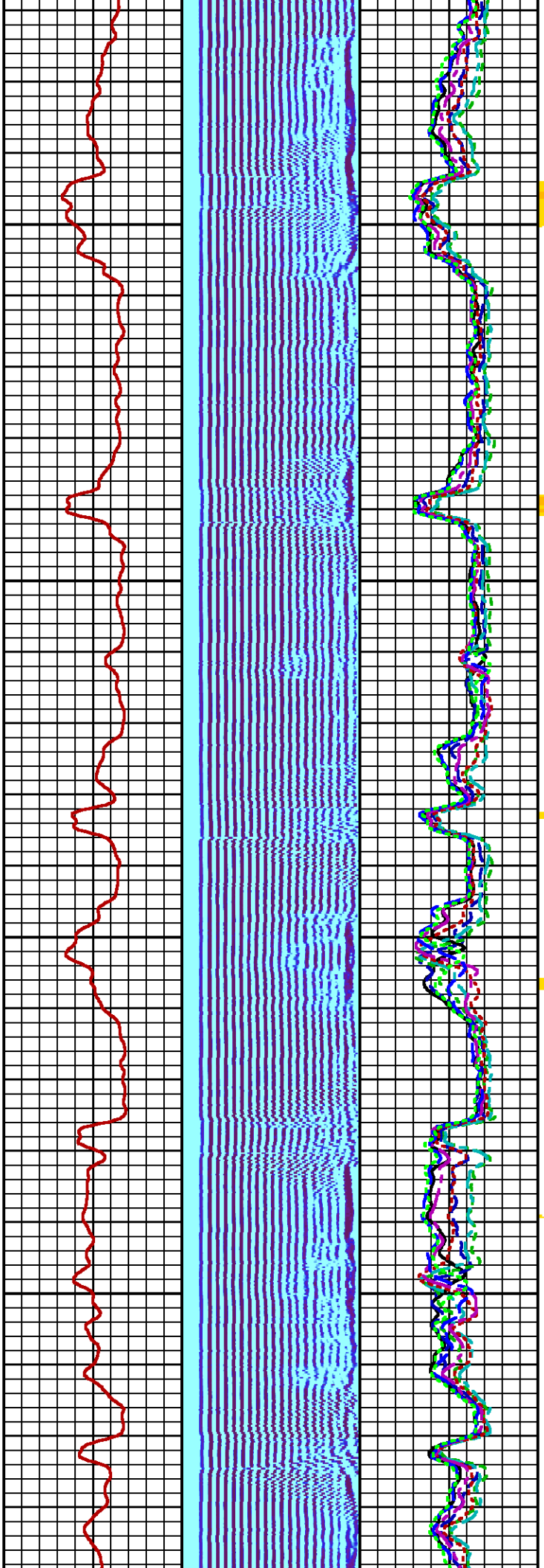




1800

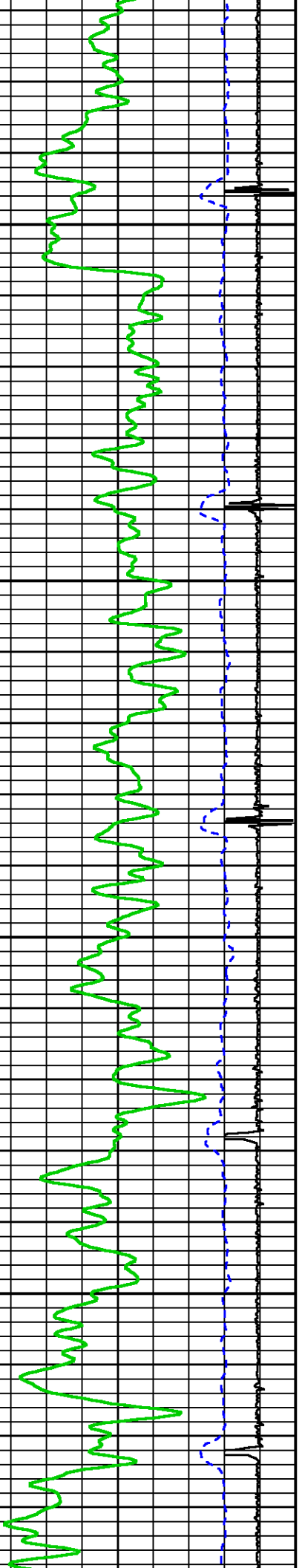
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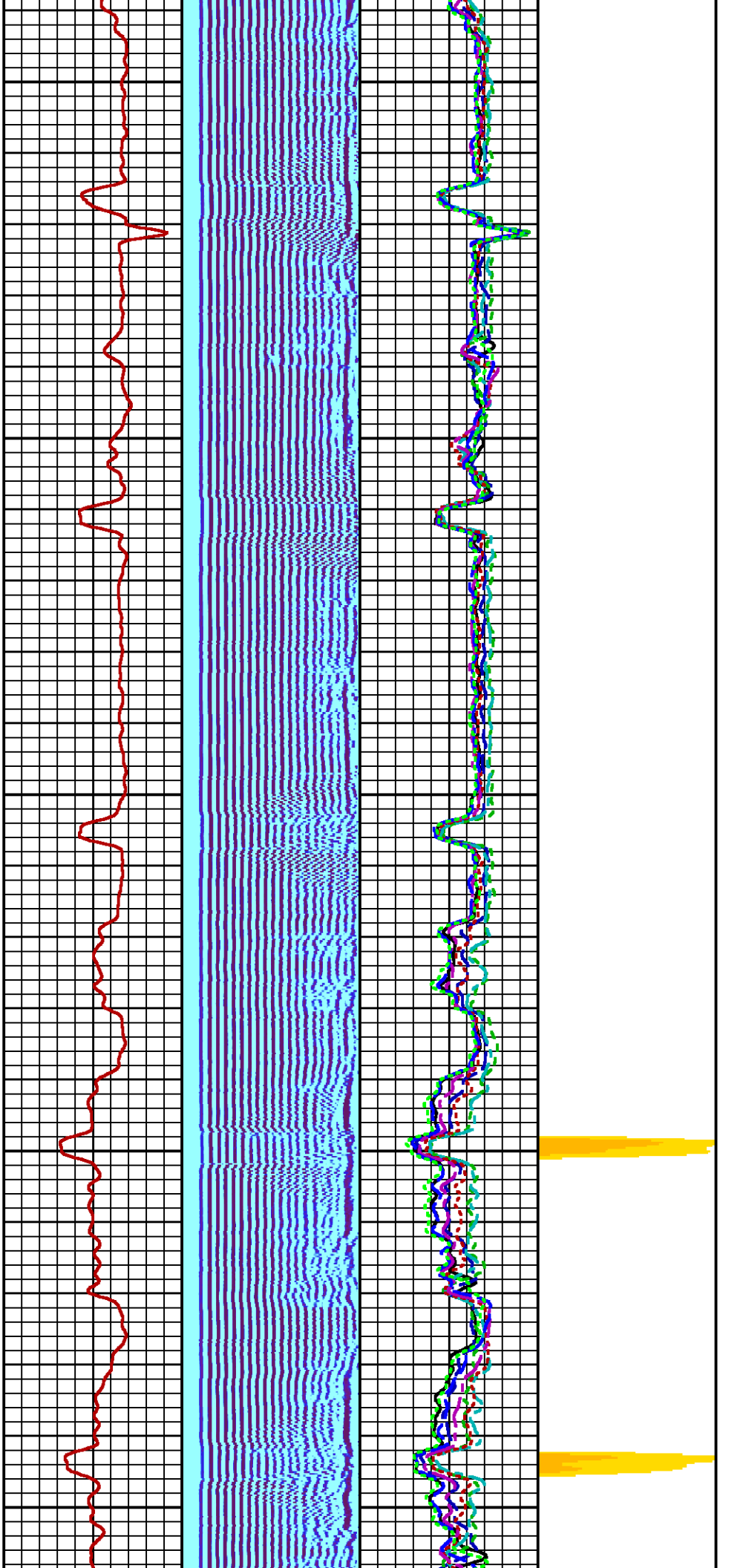




2000

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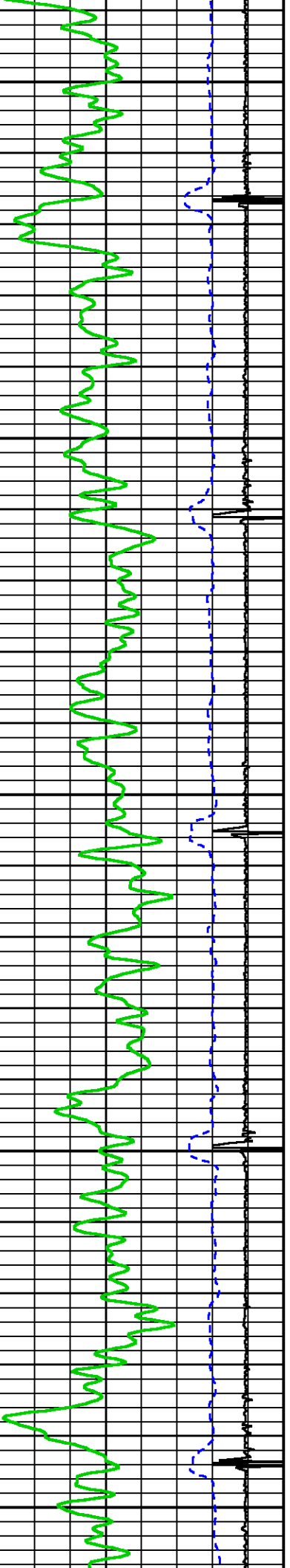


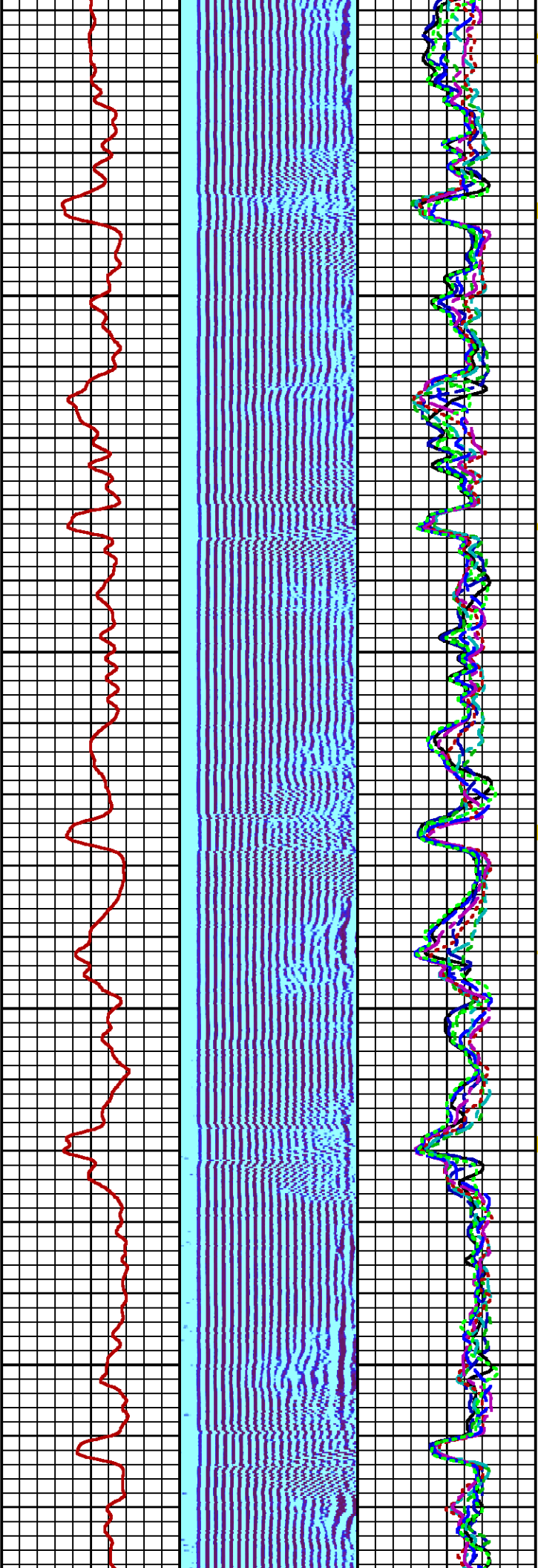
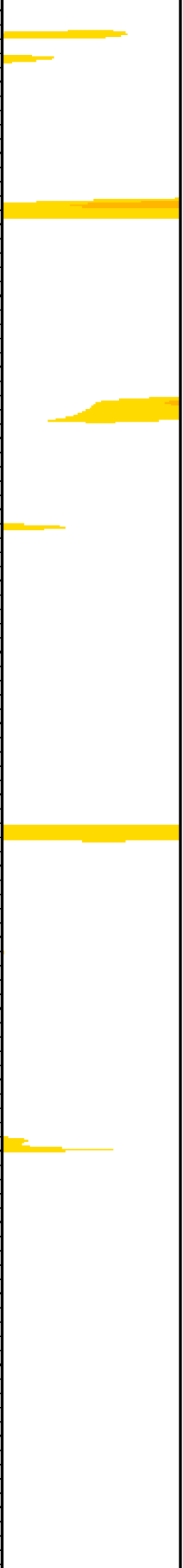


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2300

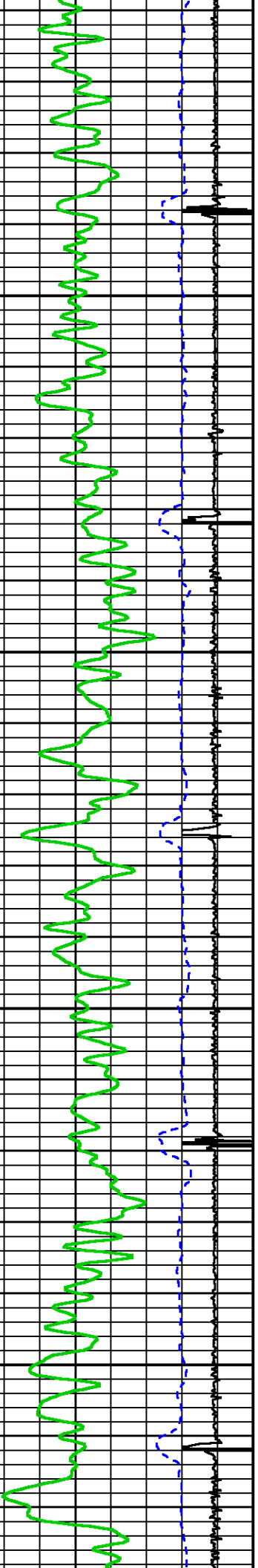
2400

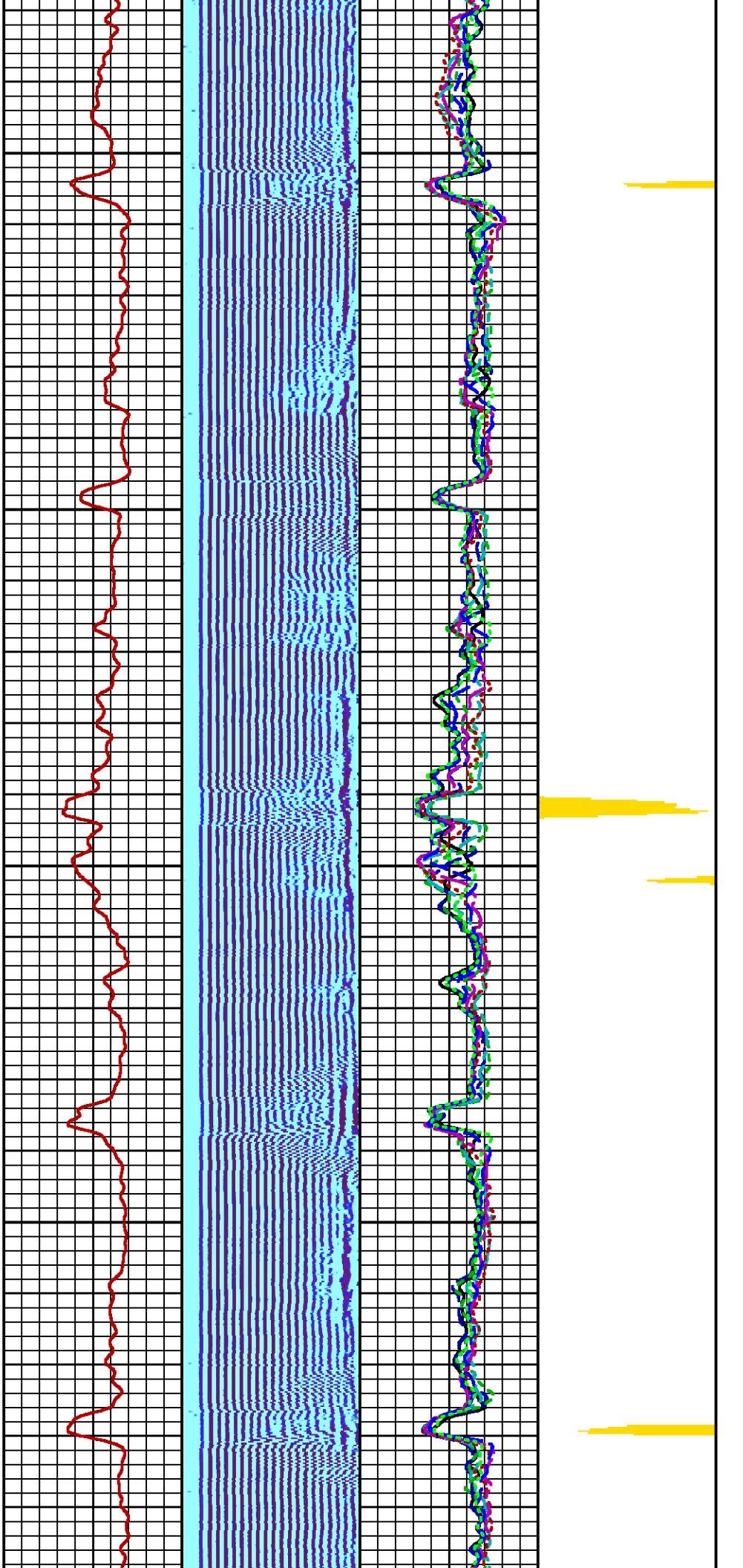




2500

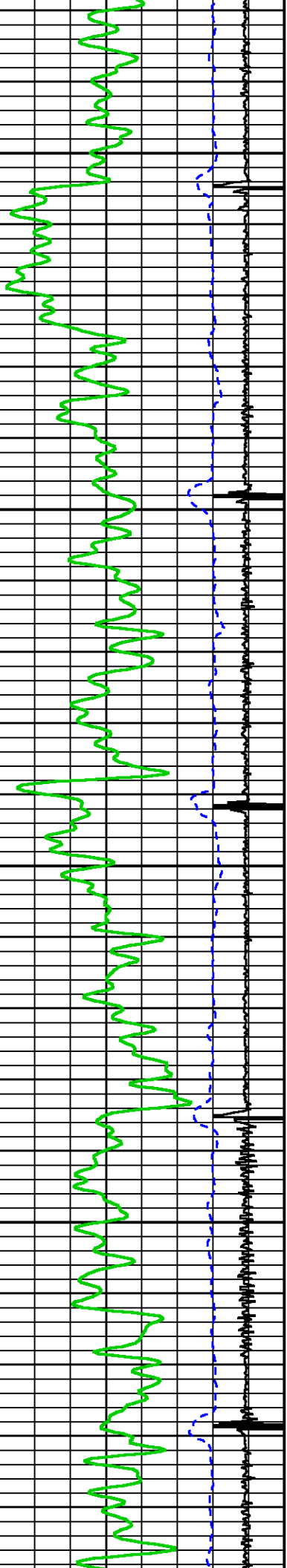
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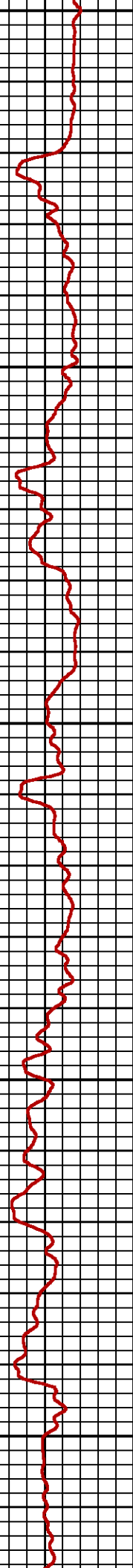
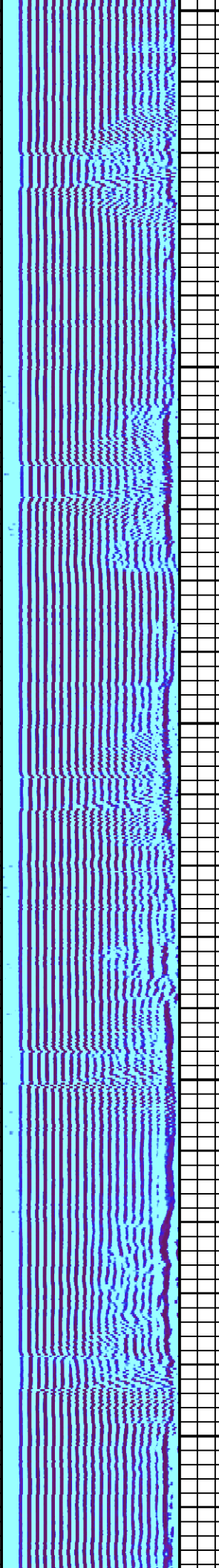
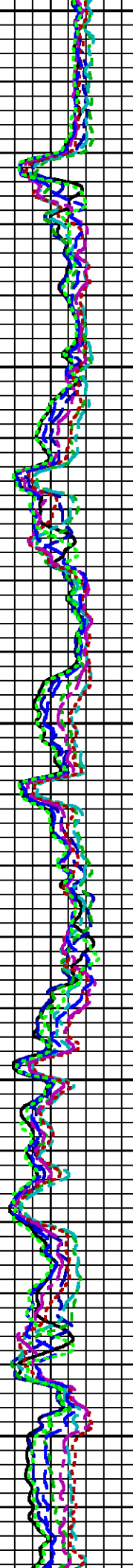




2700

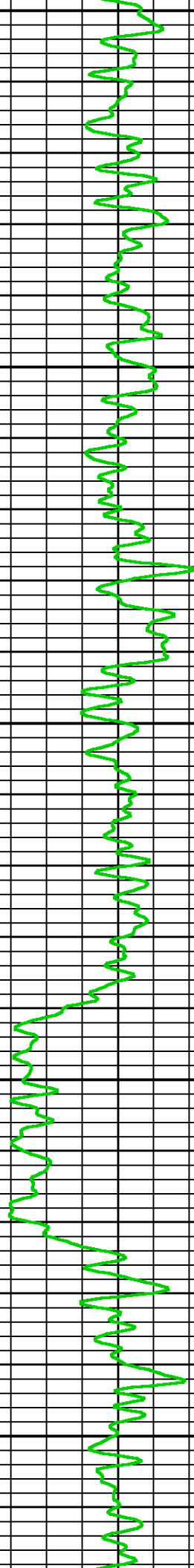
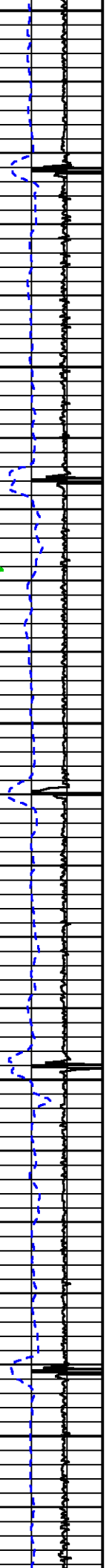
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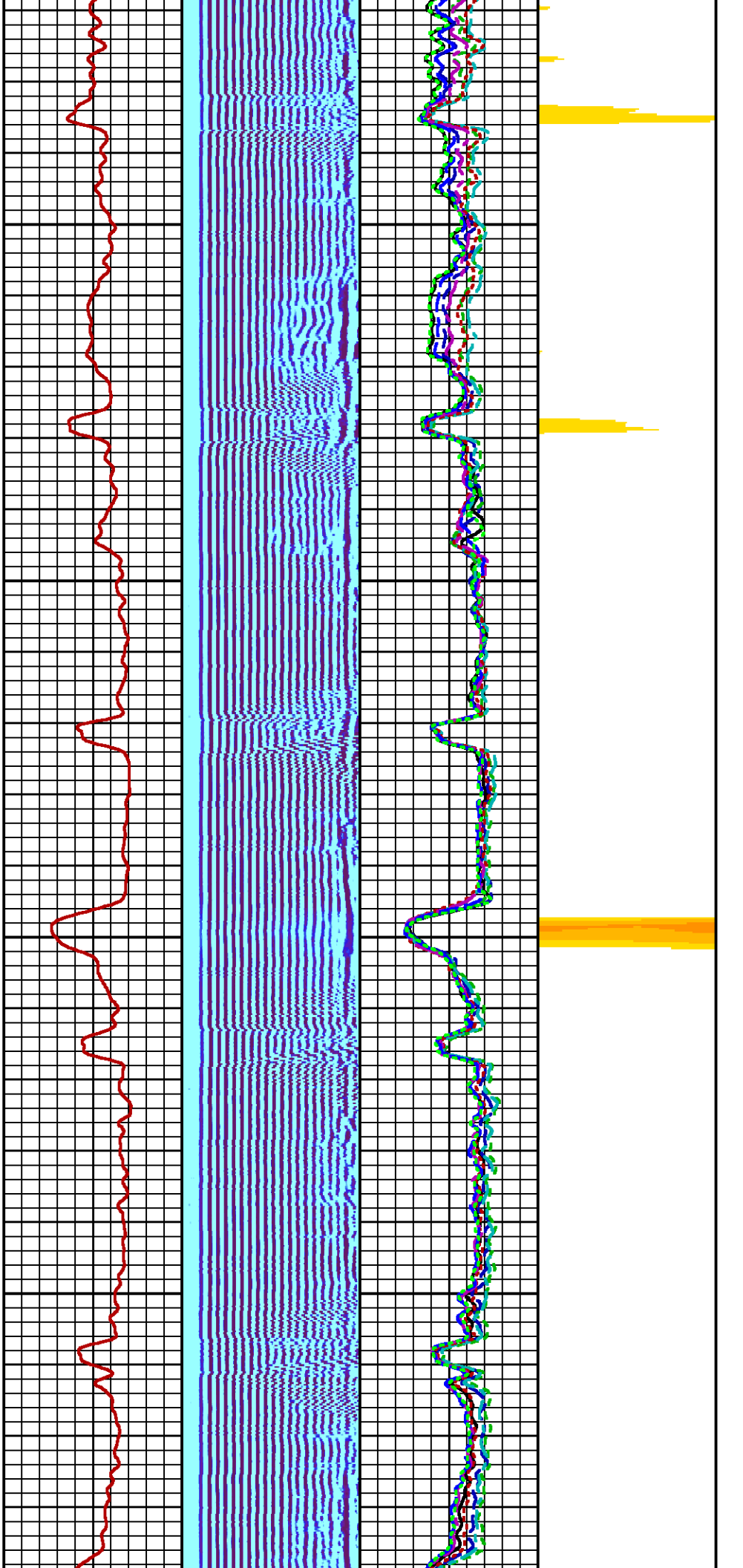




2900

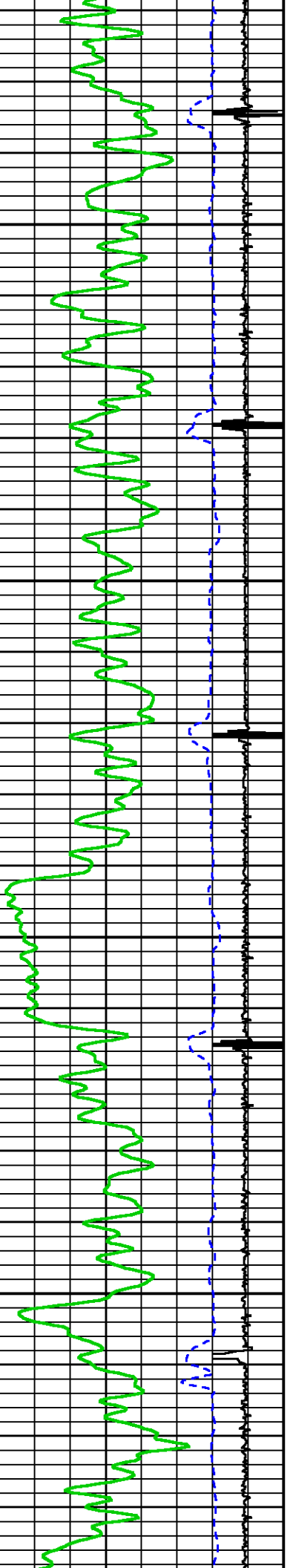
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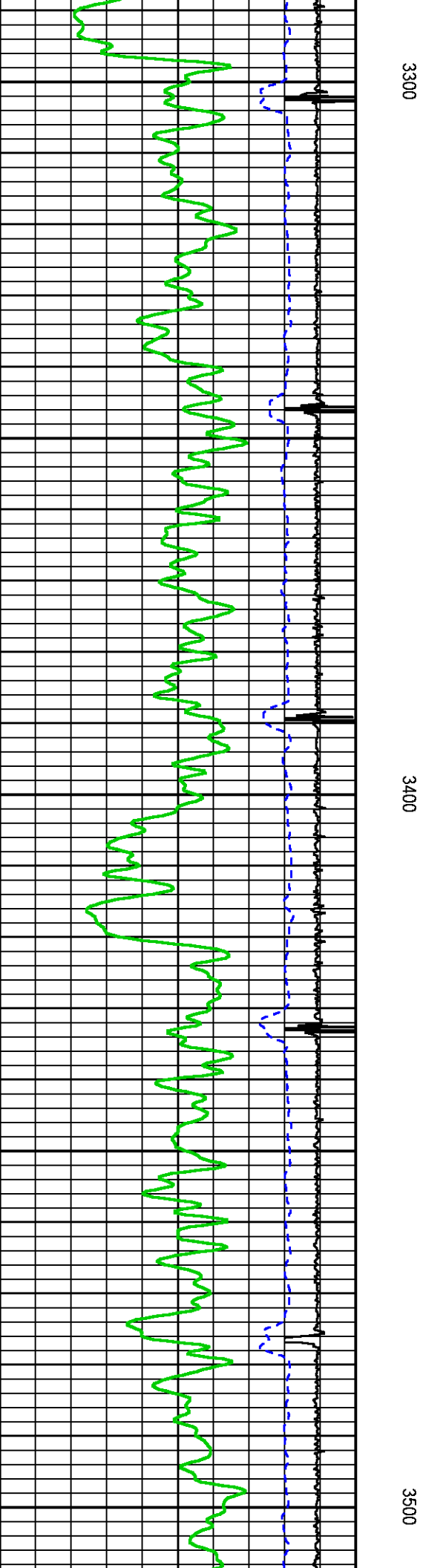
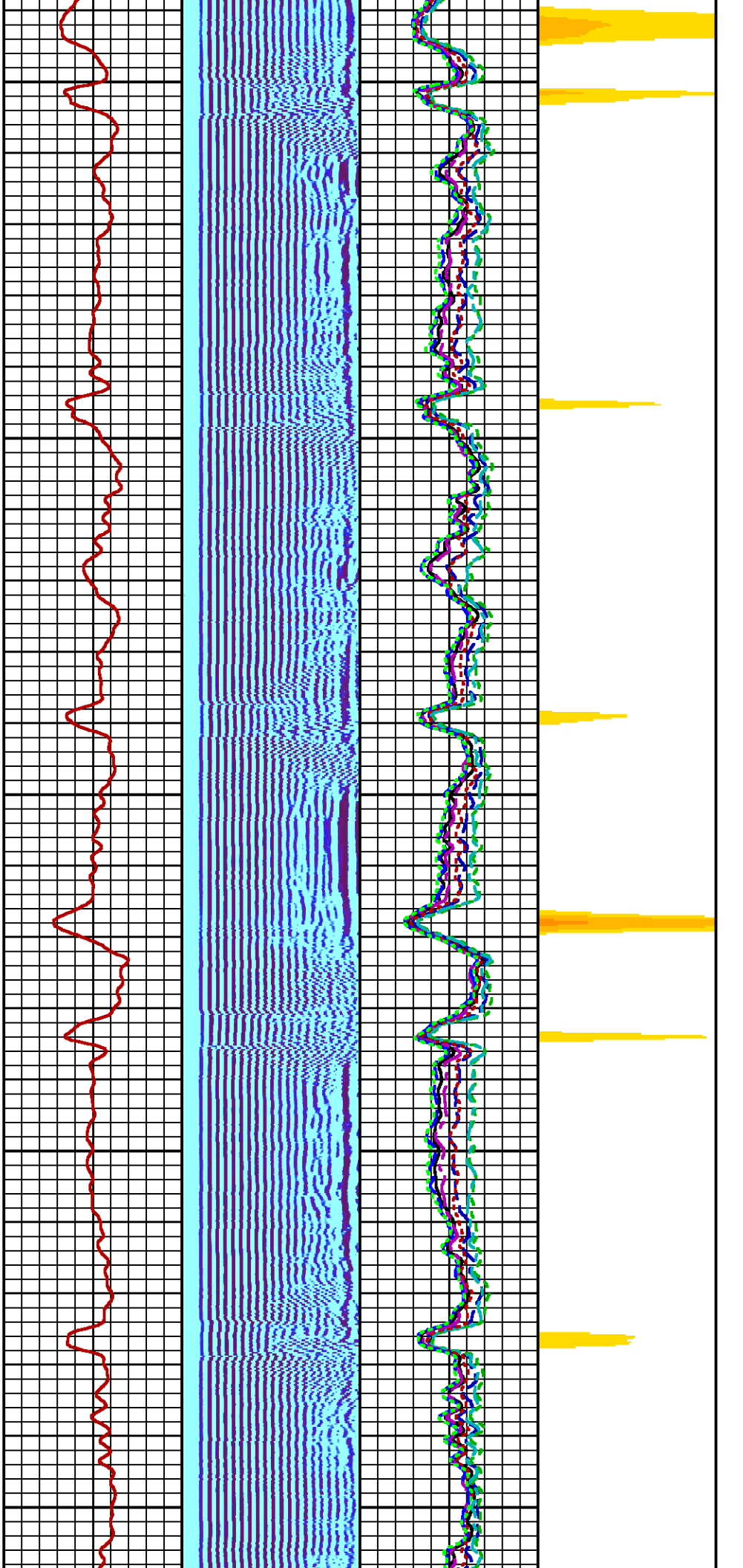


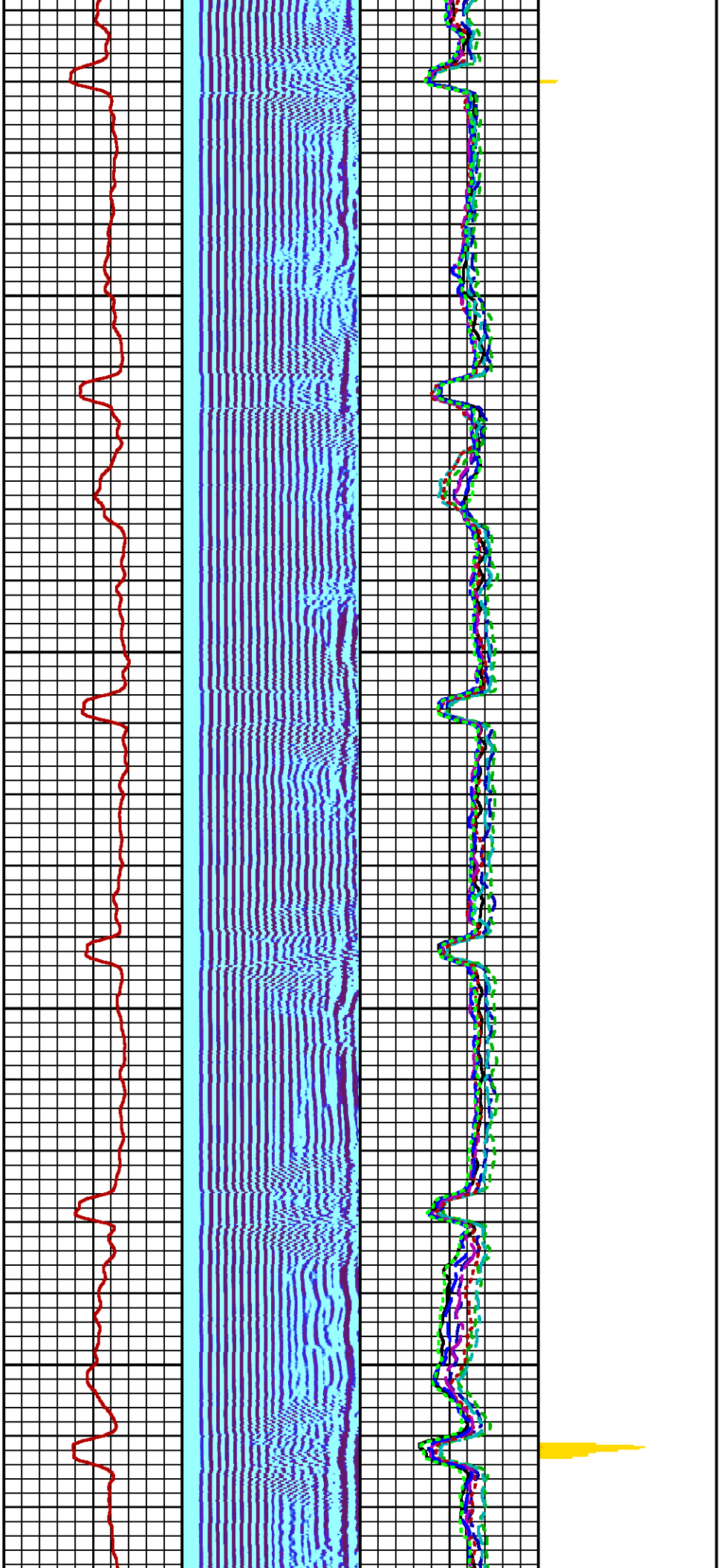


3100

3200

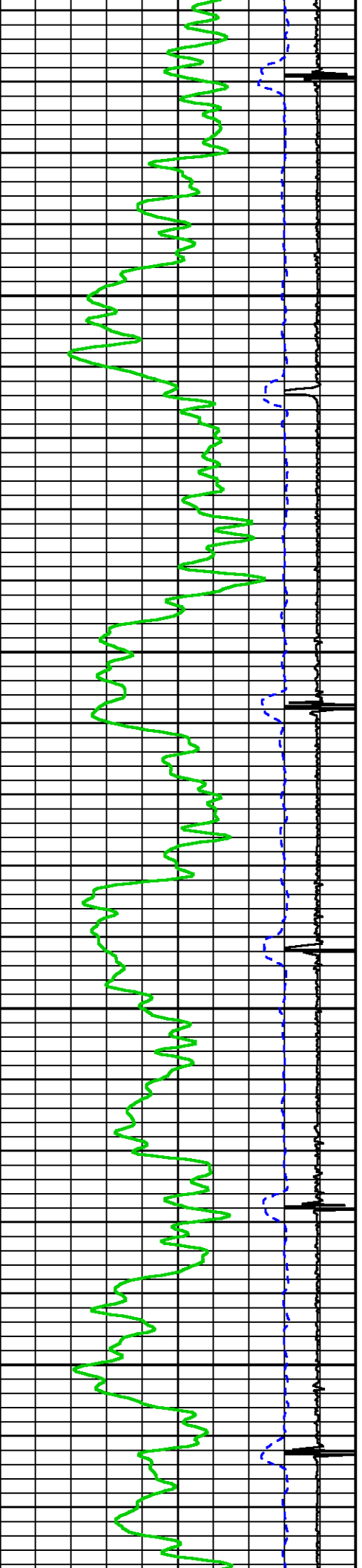


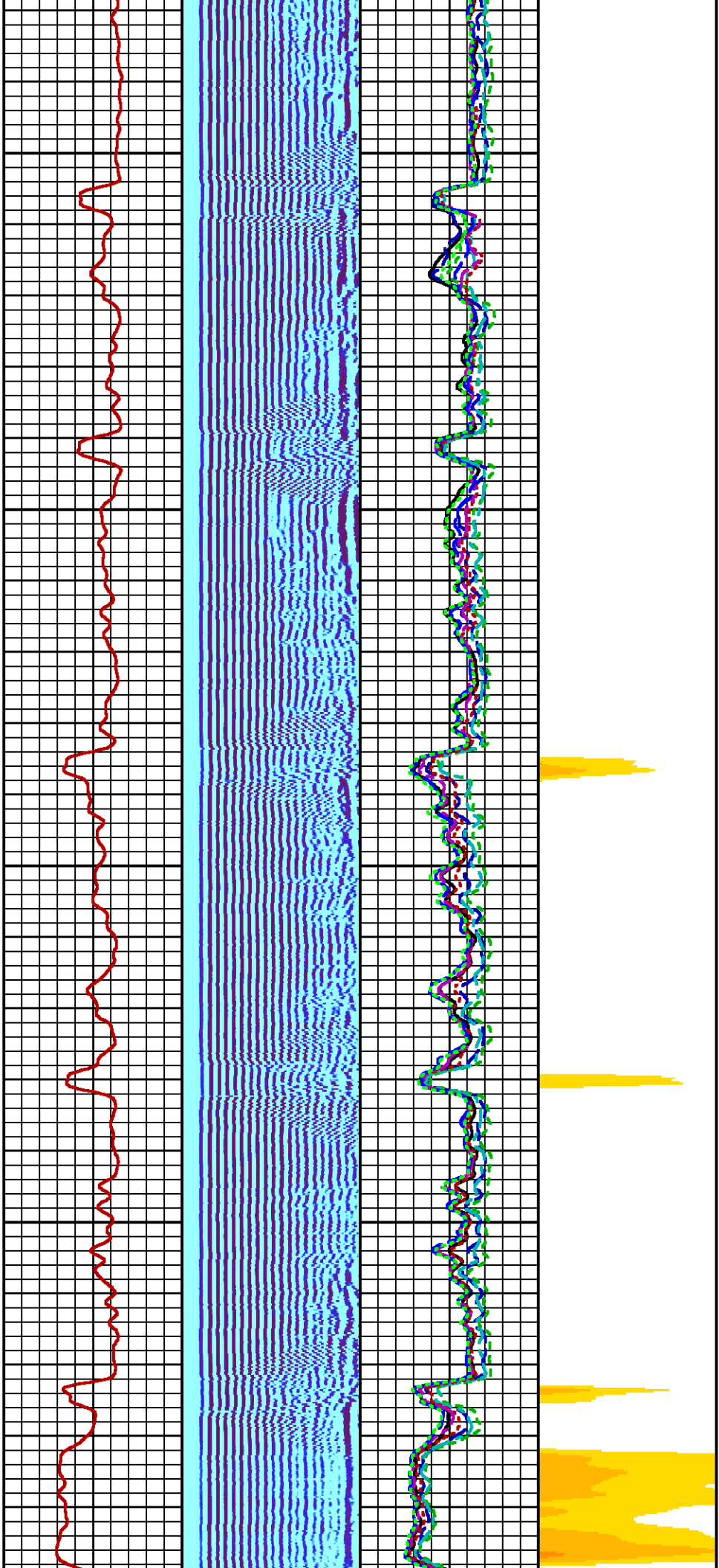




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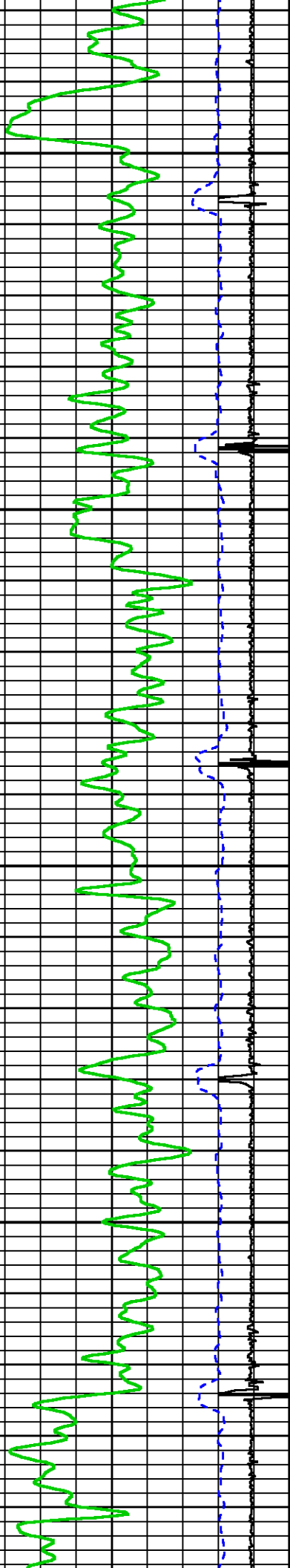
3700

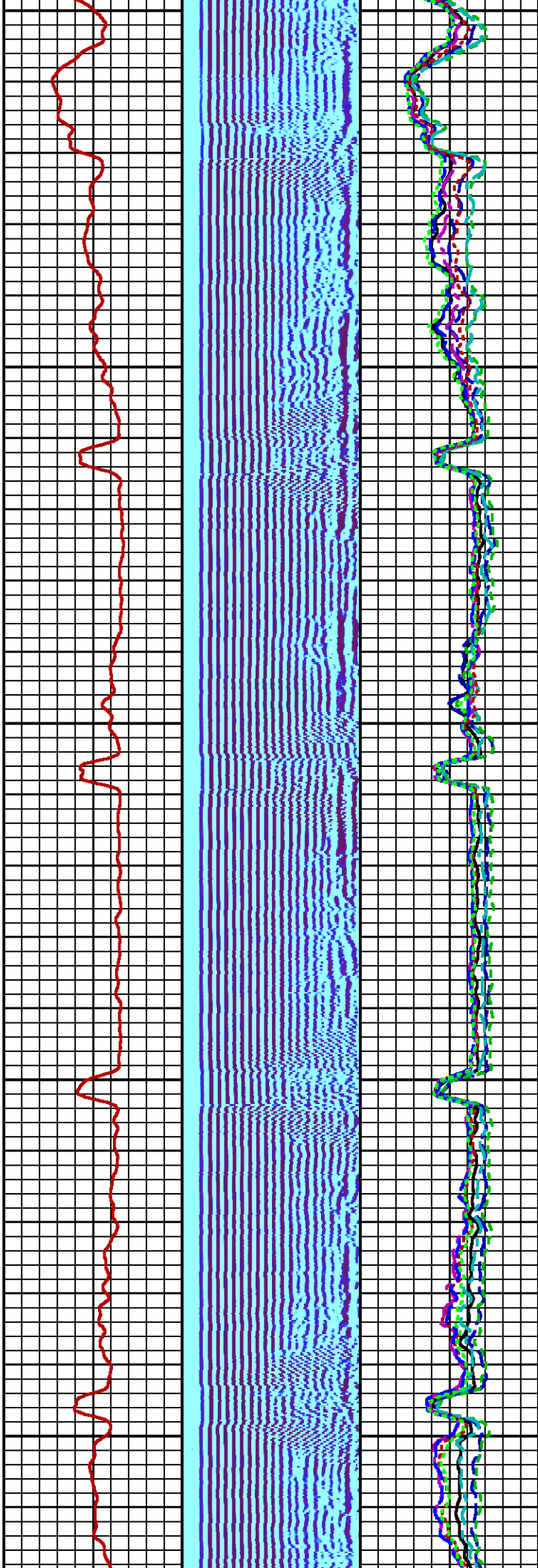




3800

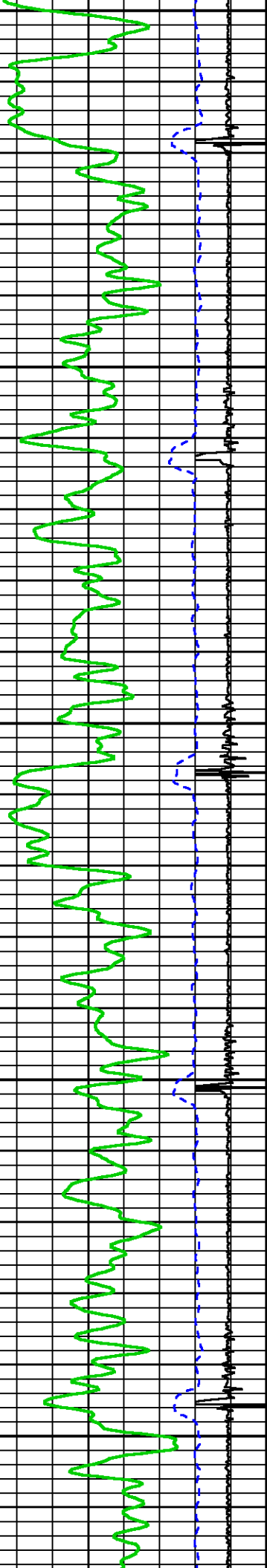
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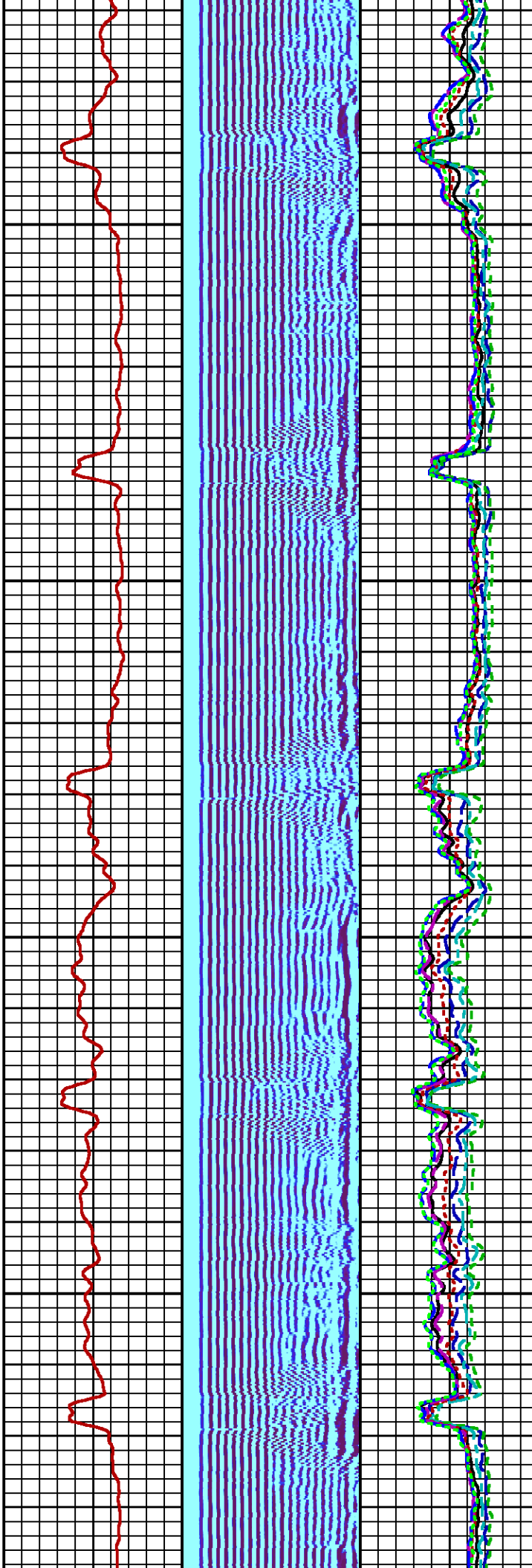




4000

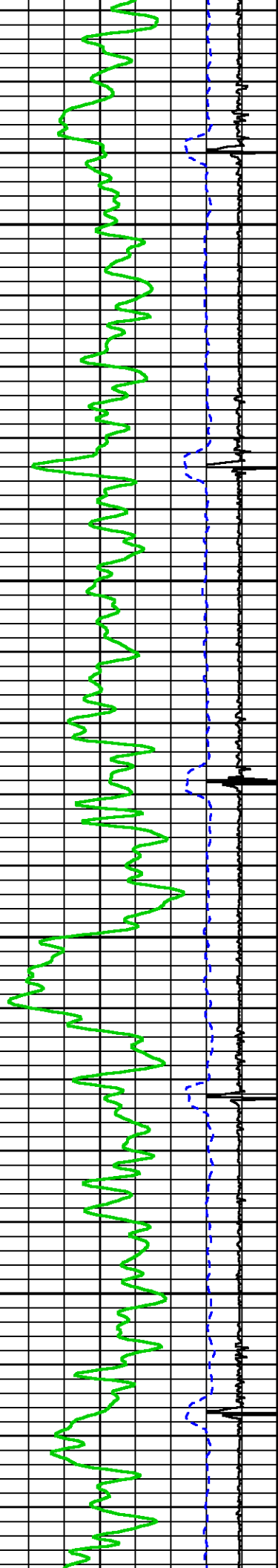
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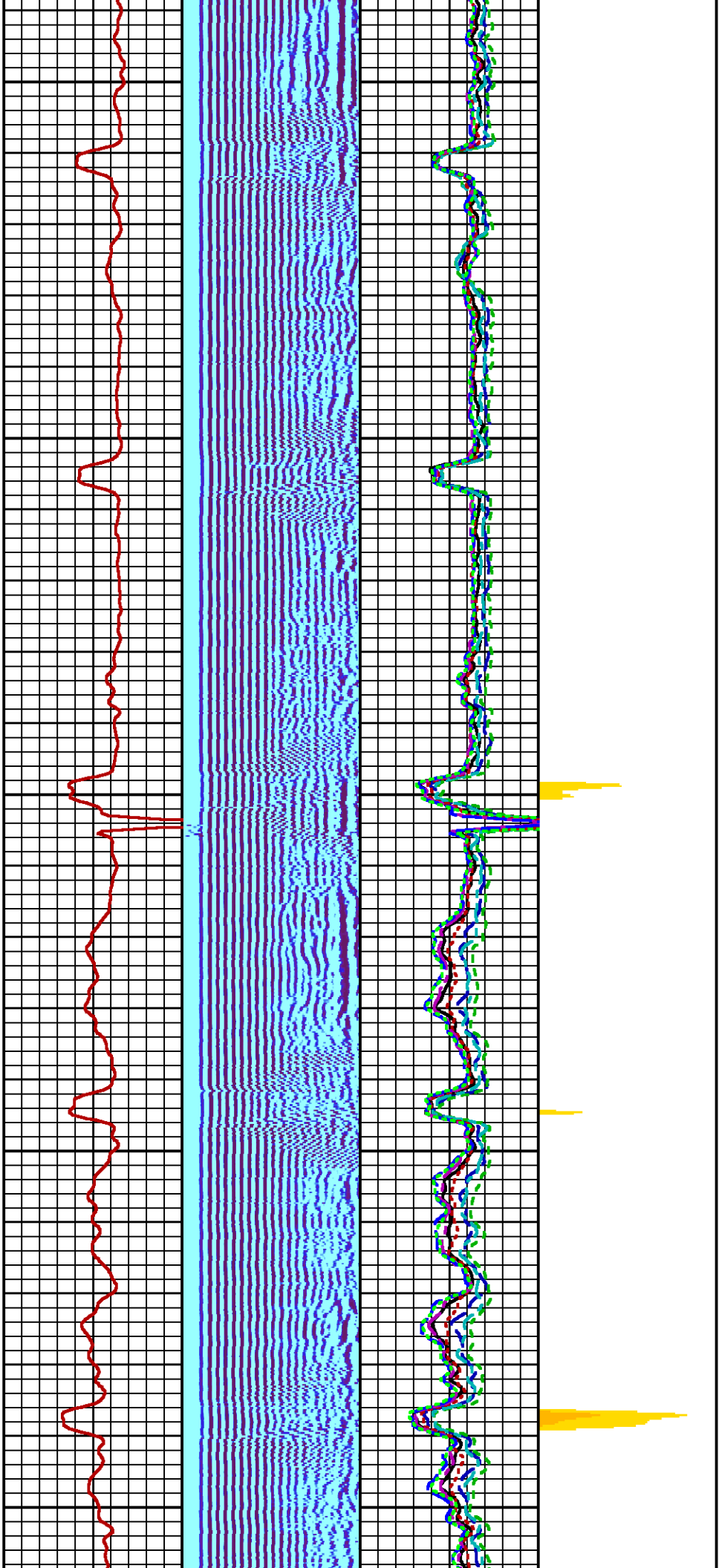




4200

4300

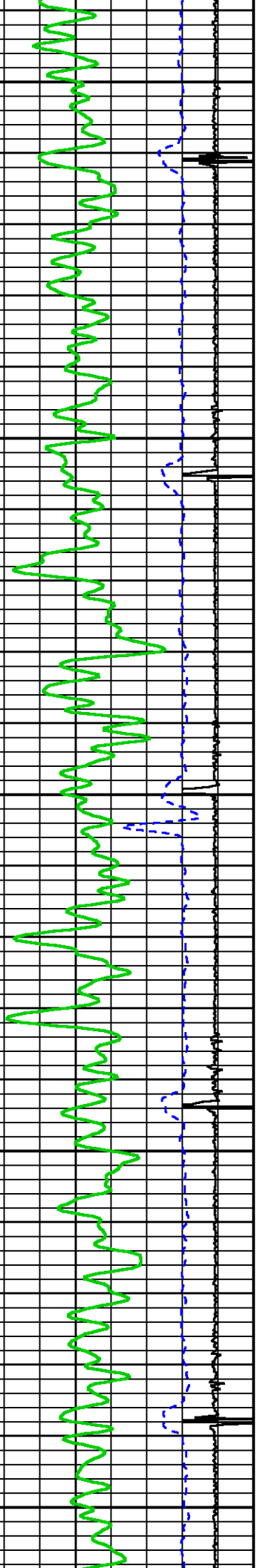


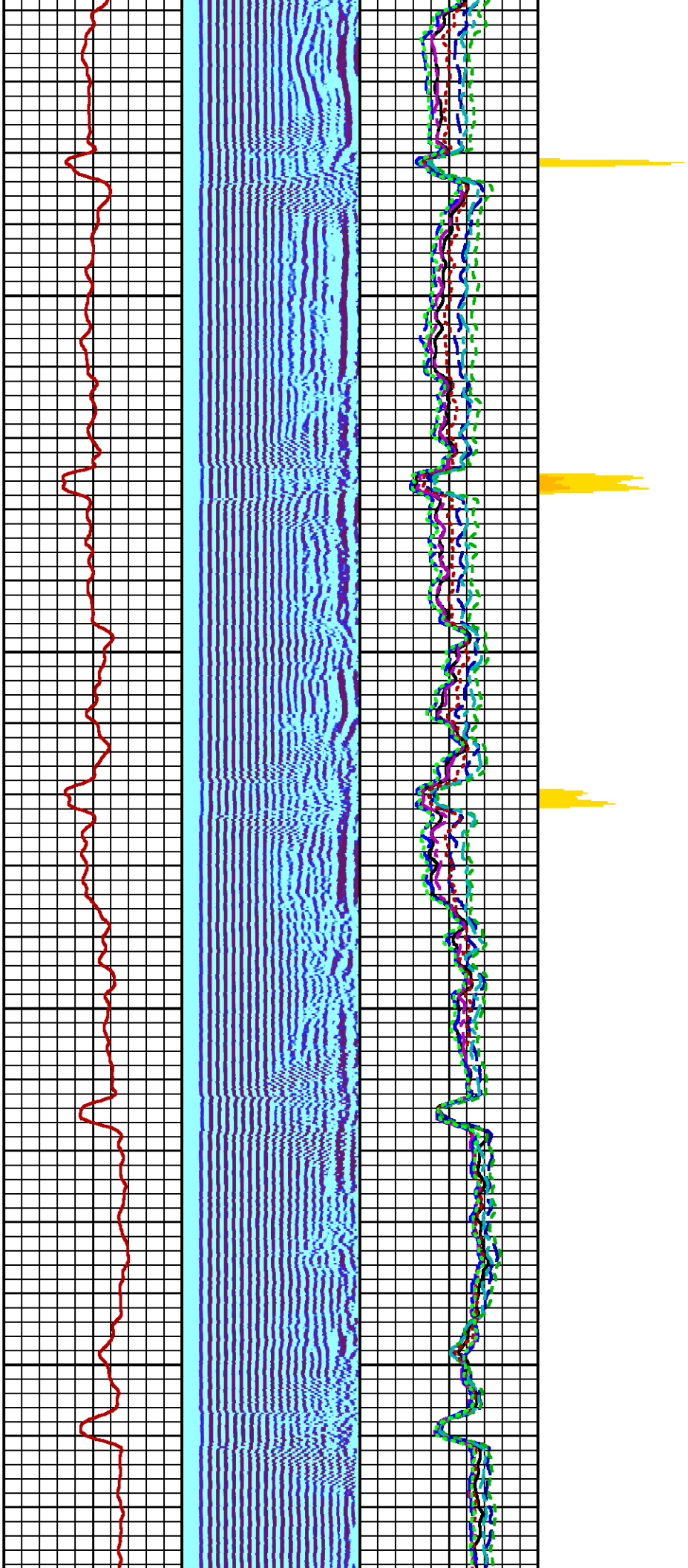


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4500

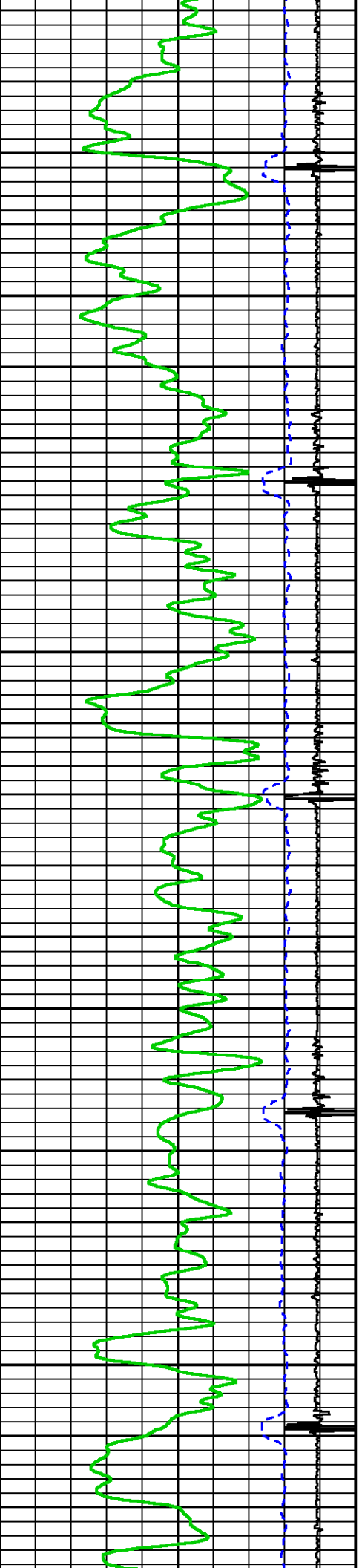
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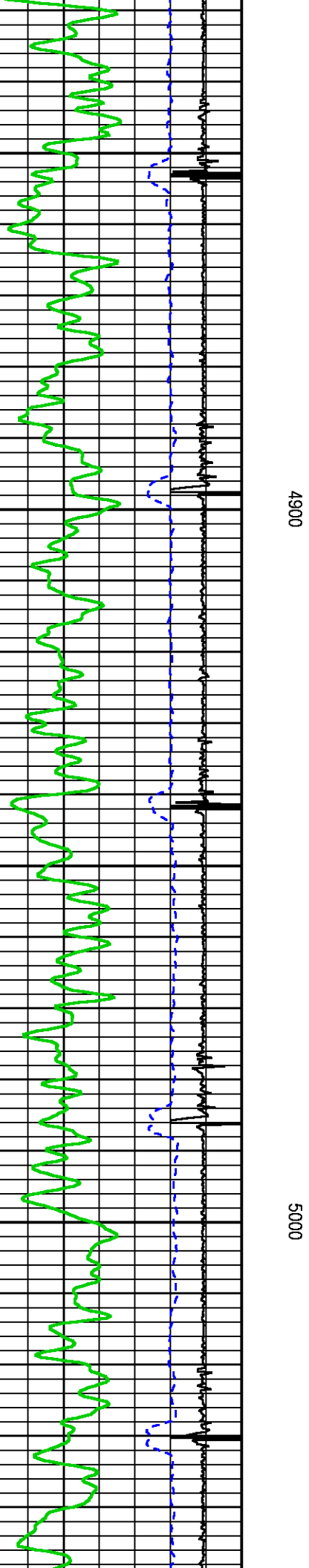
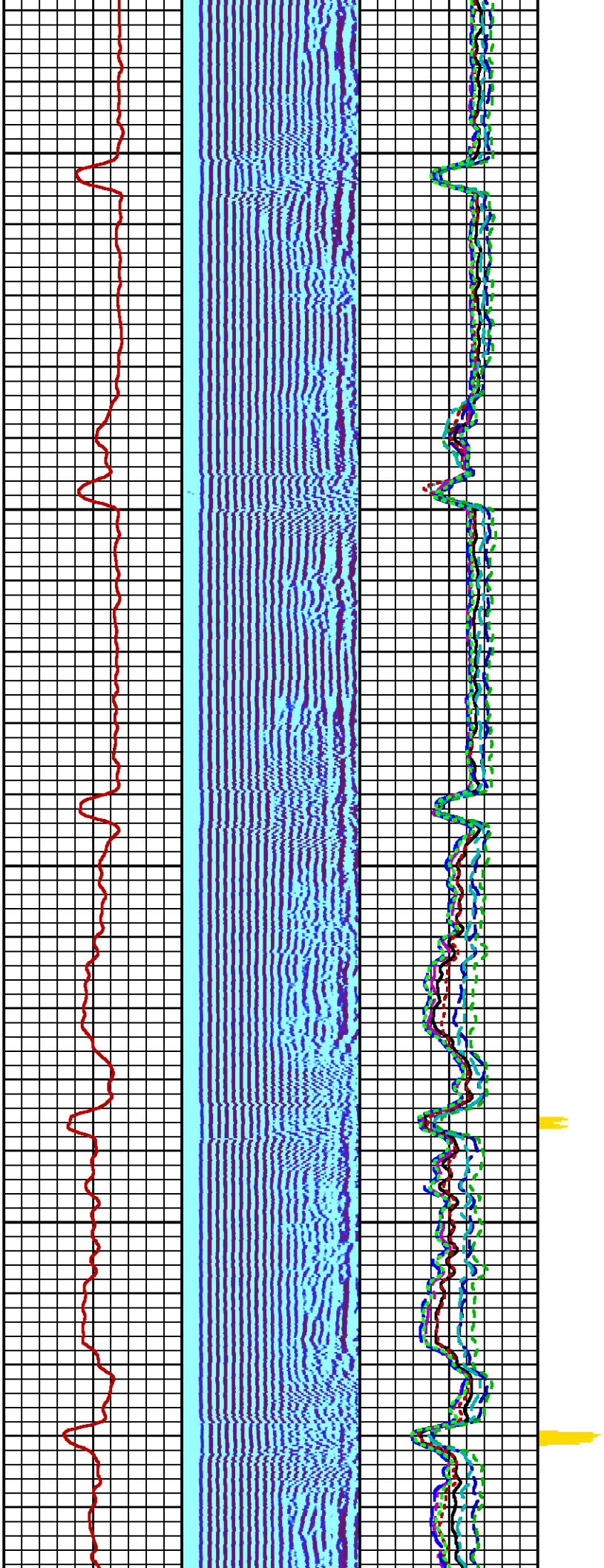


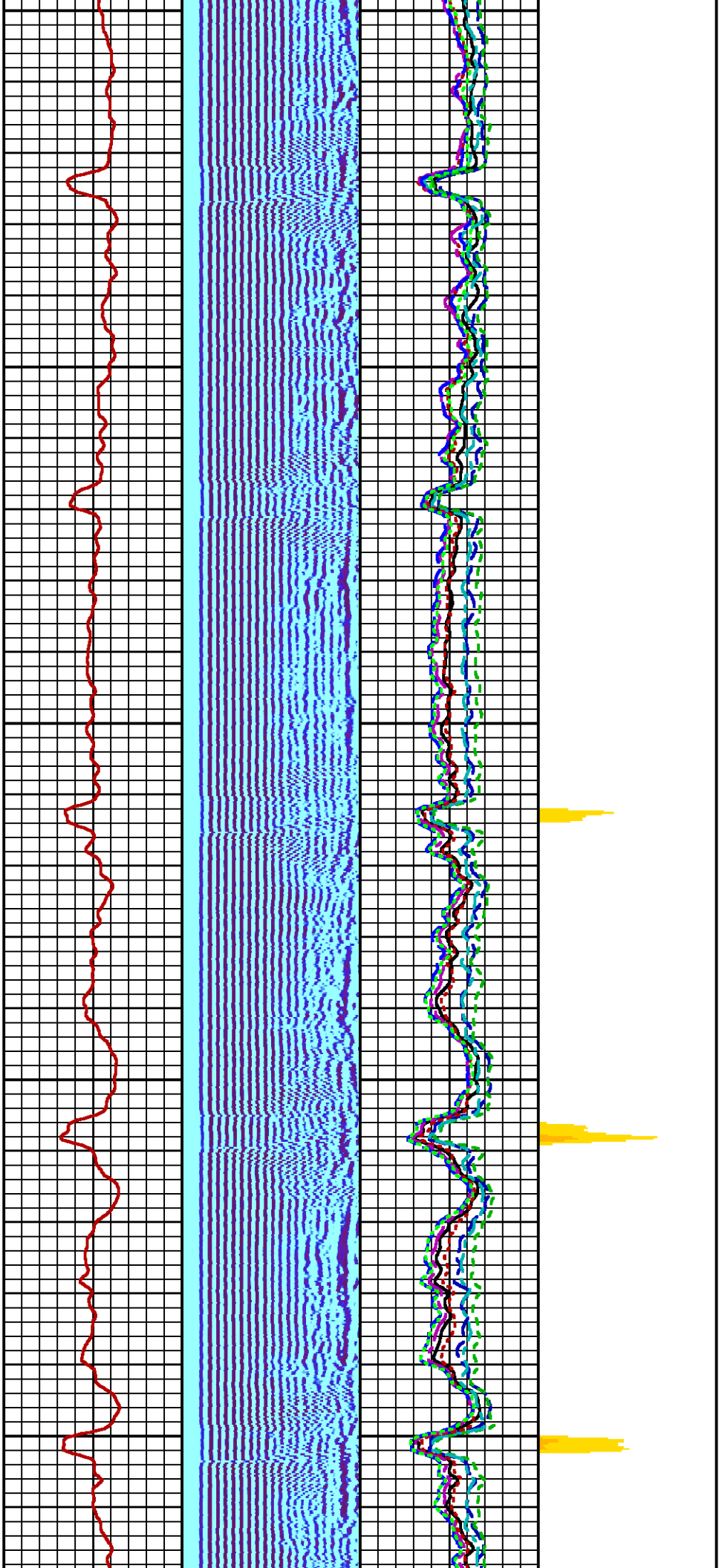


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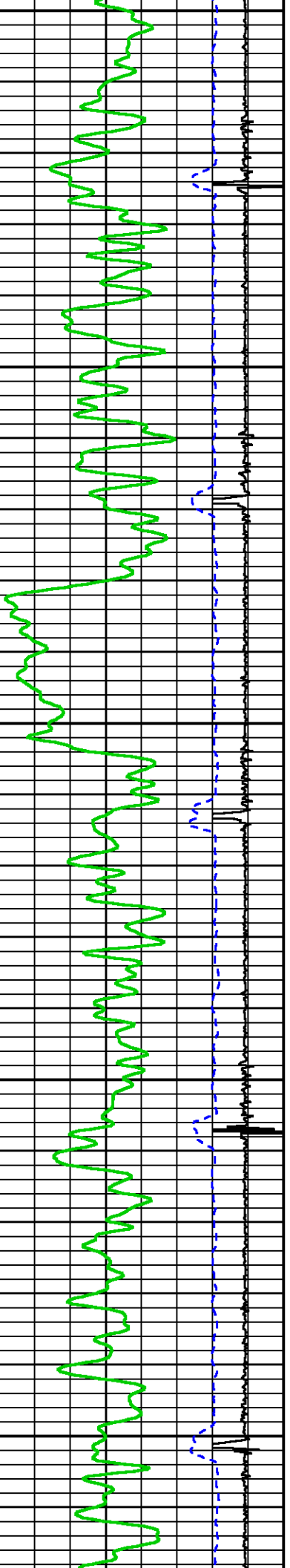


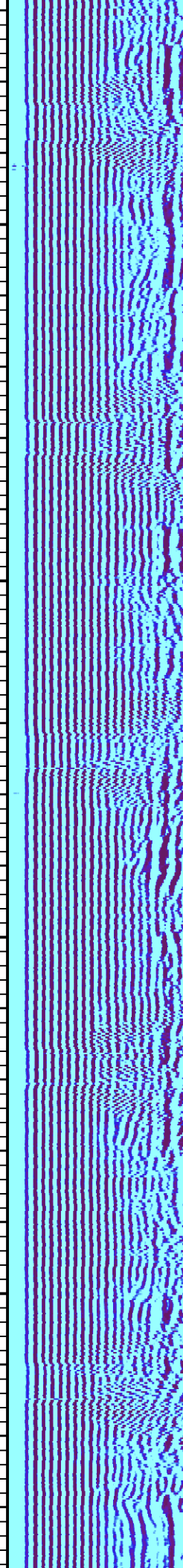
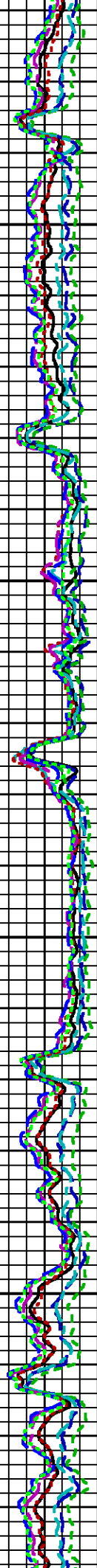




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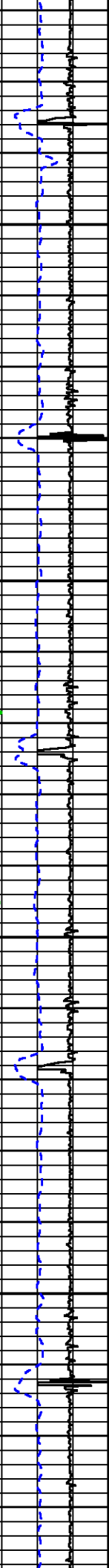
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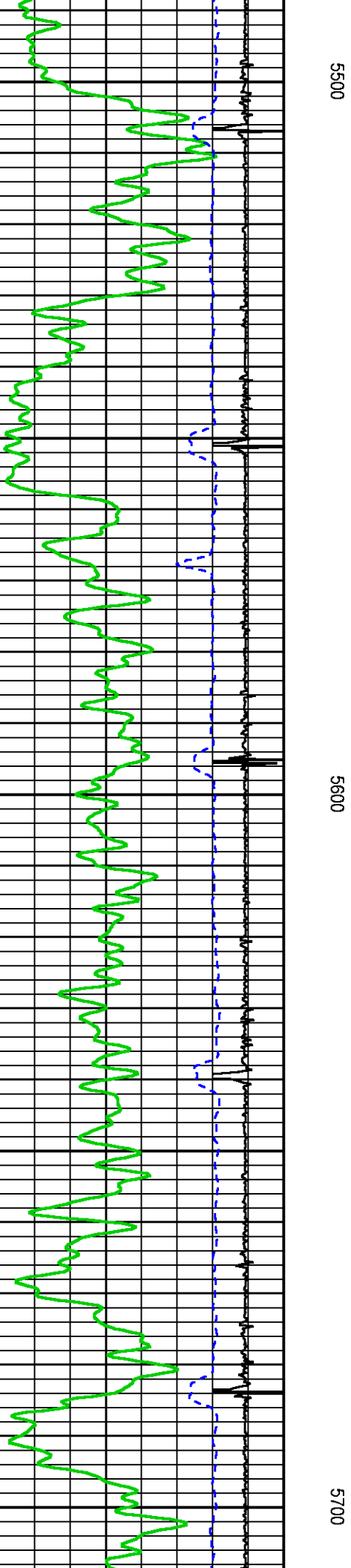
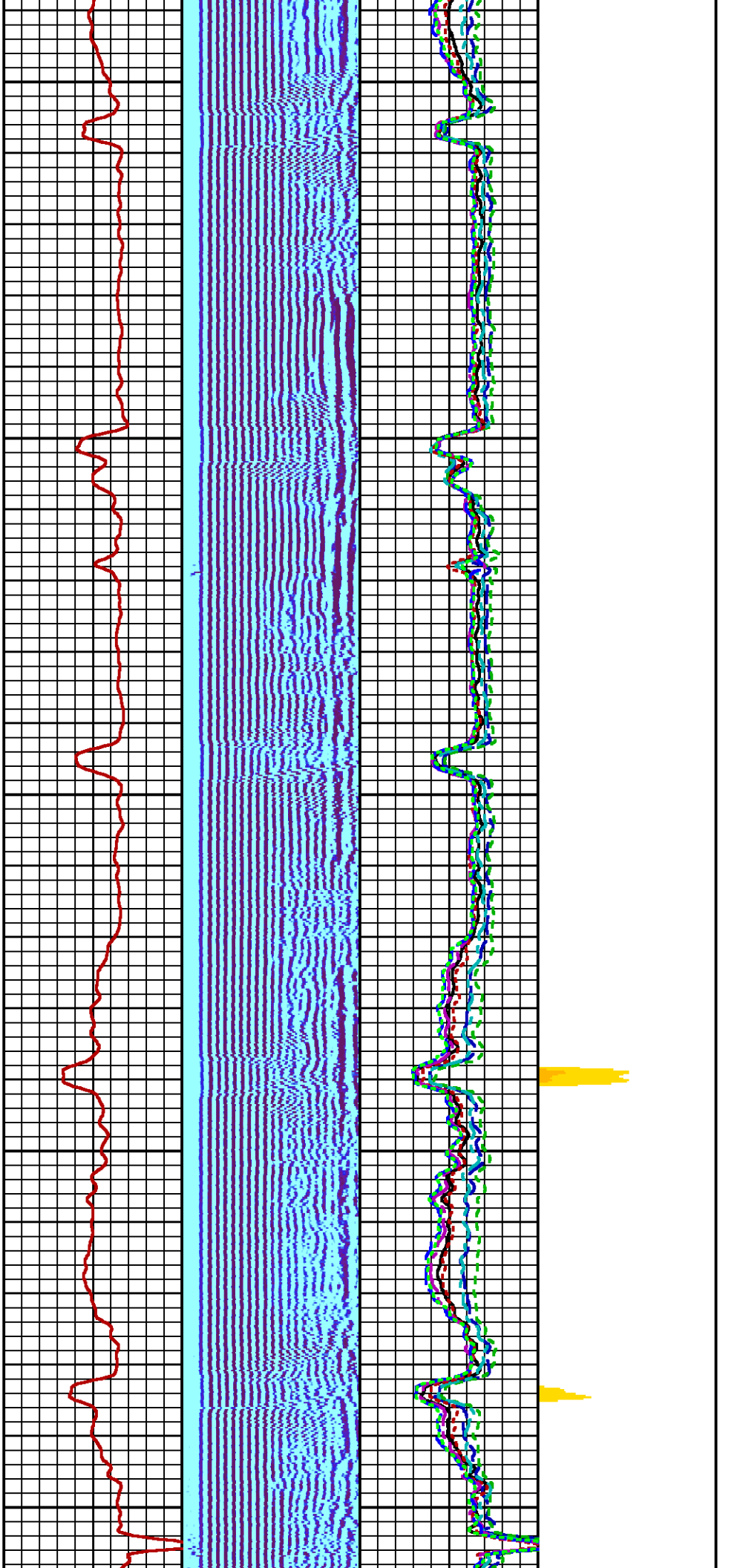


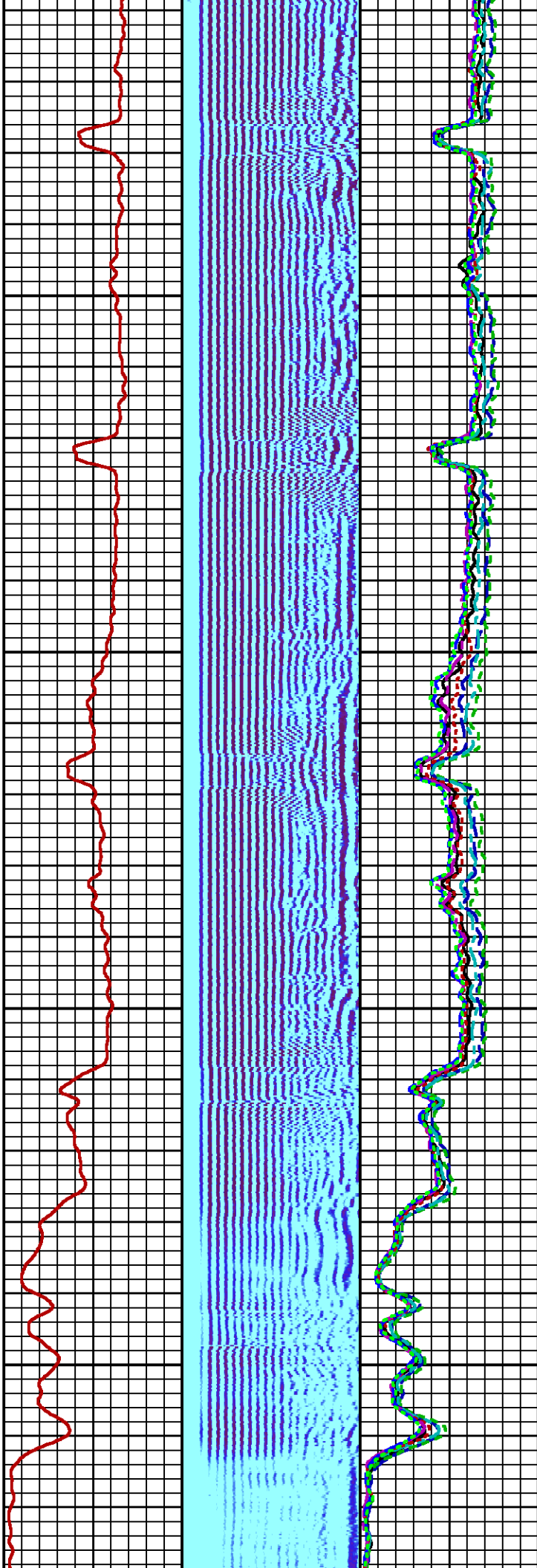
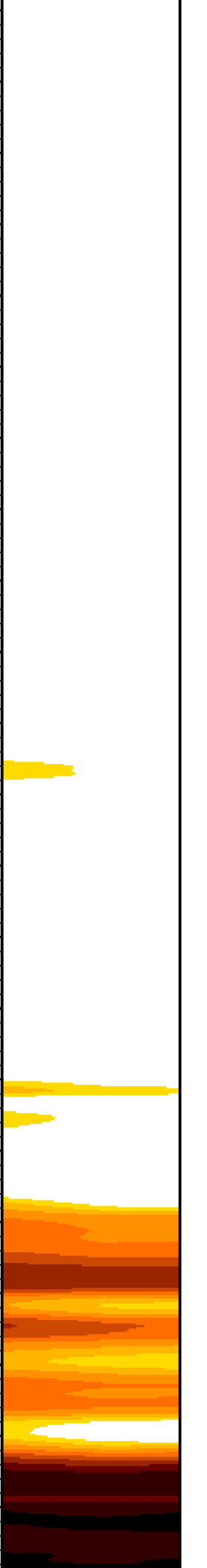


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5400

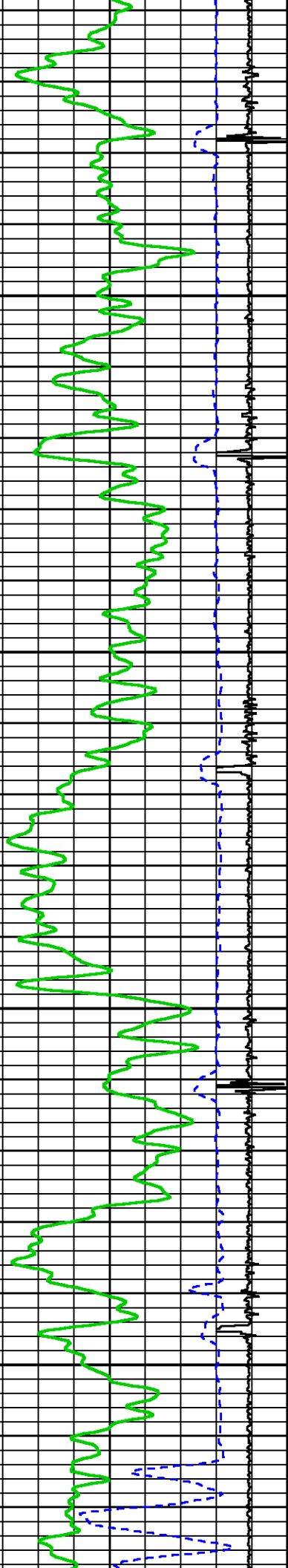


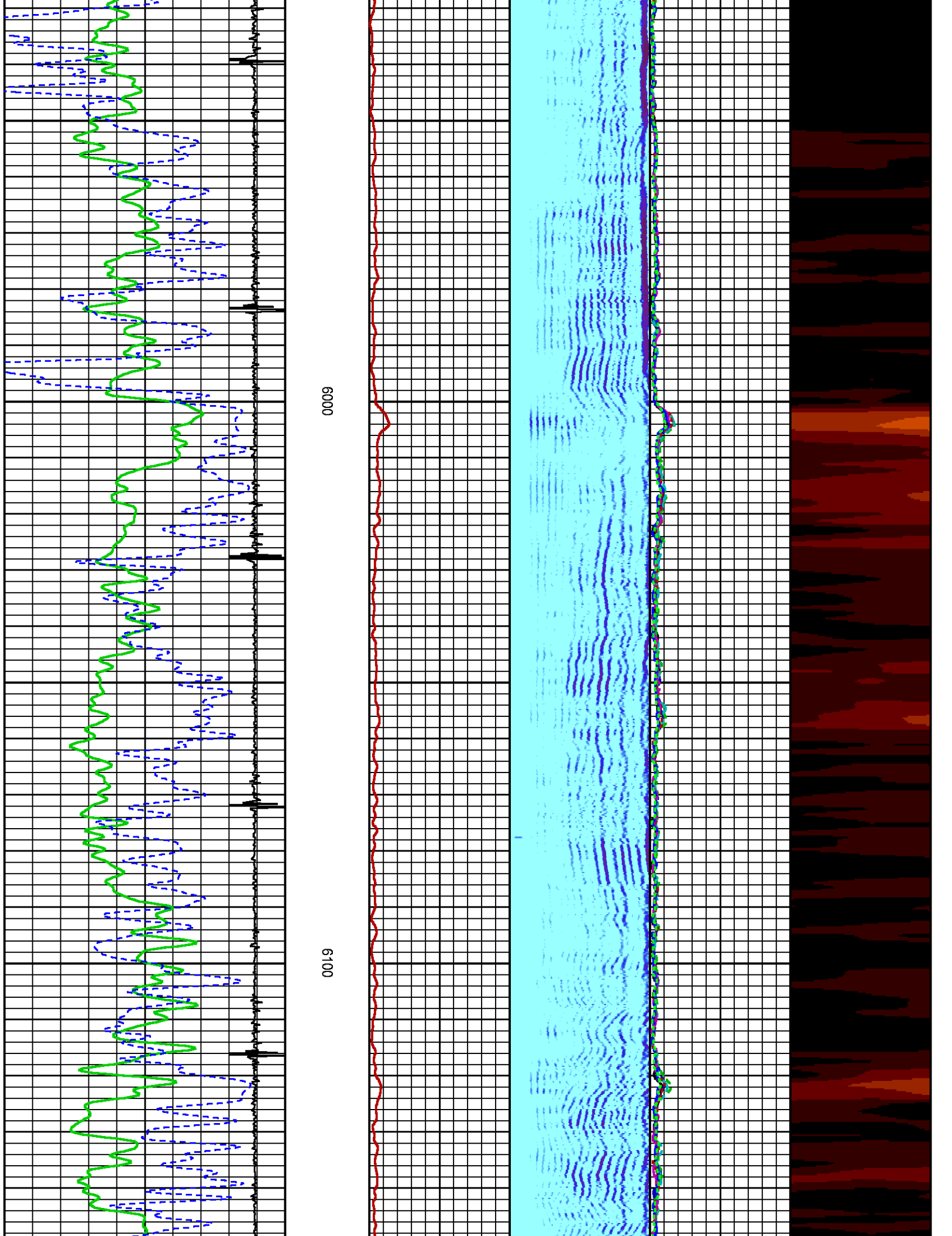


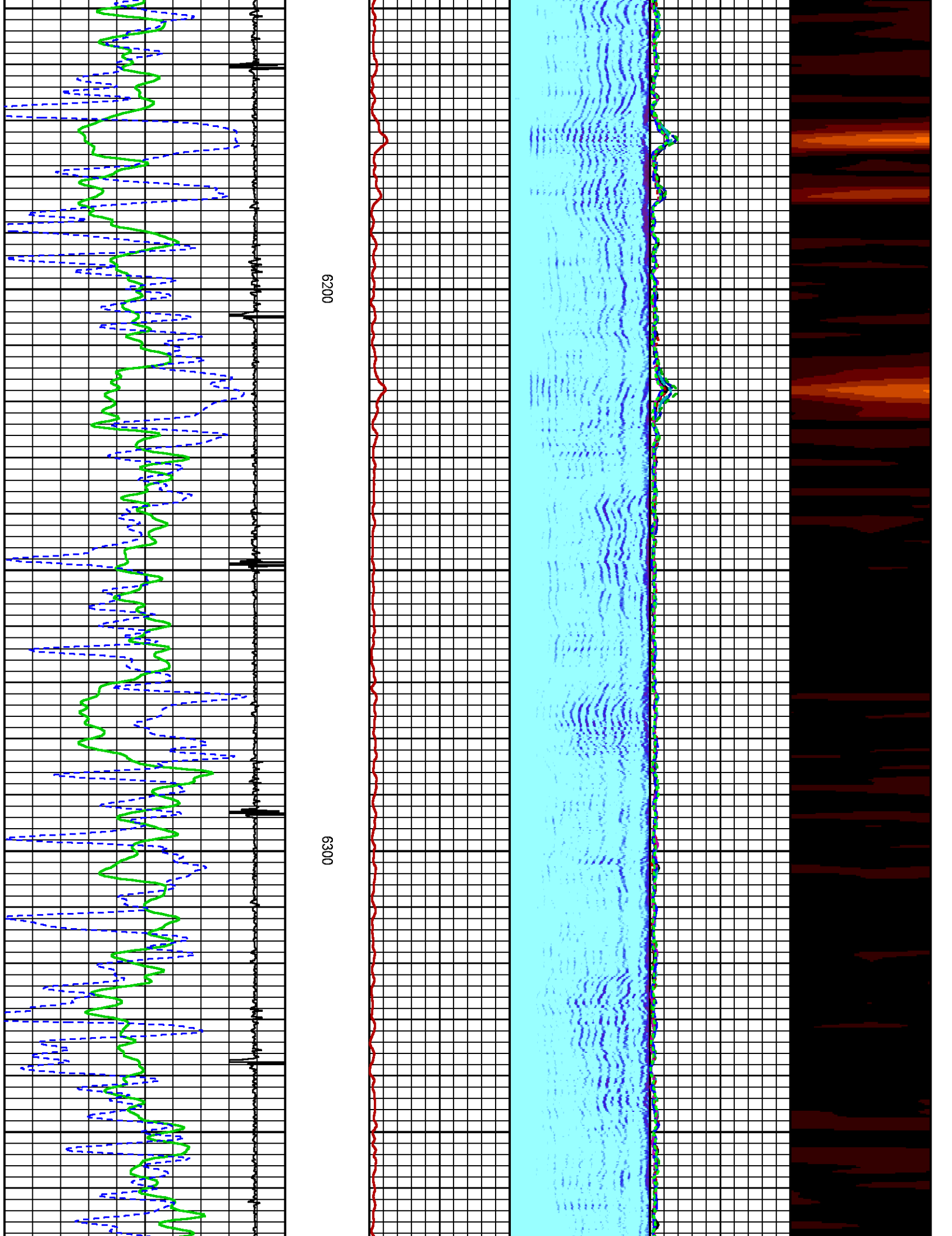


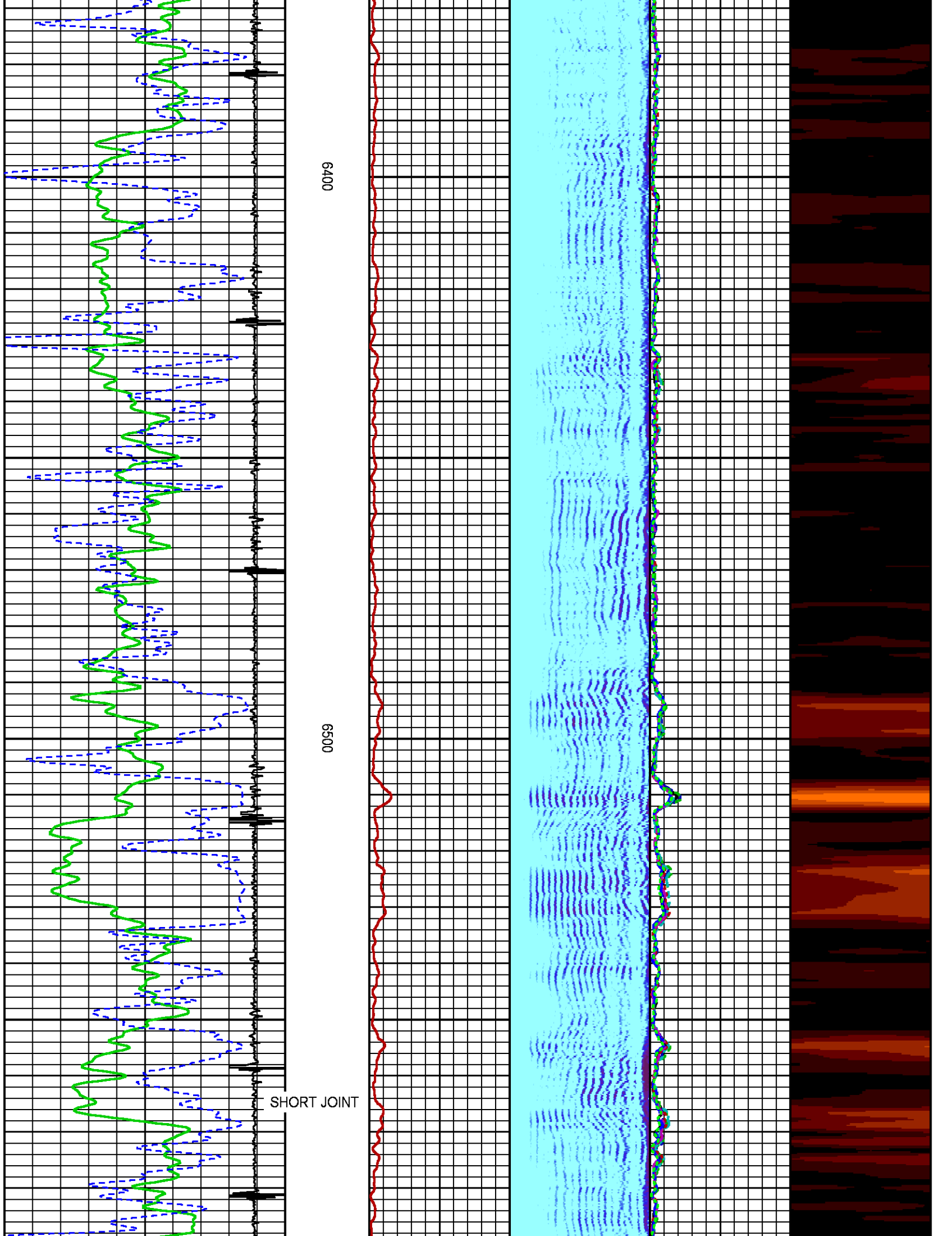
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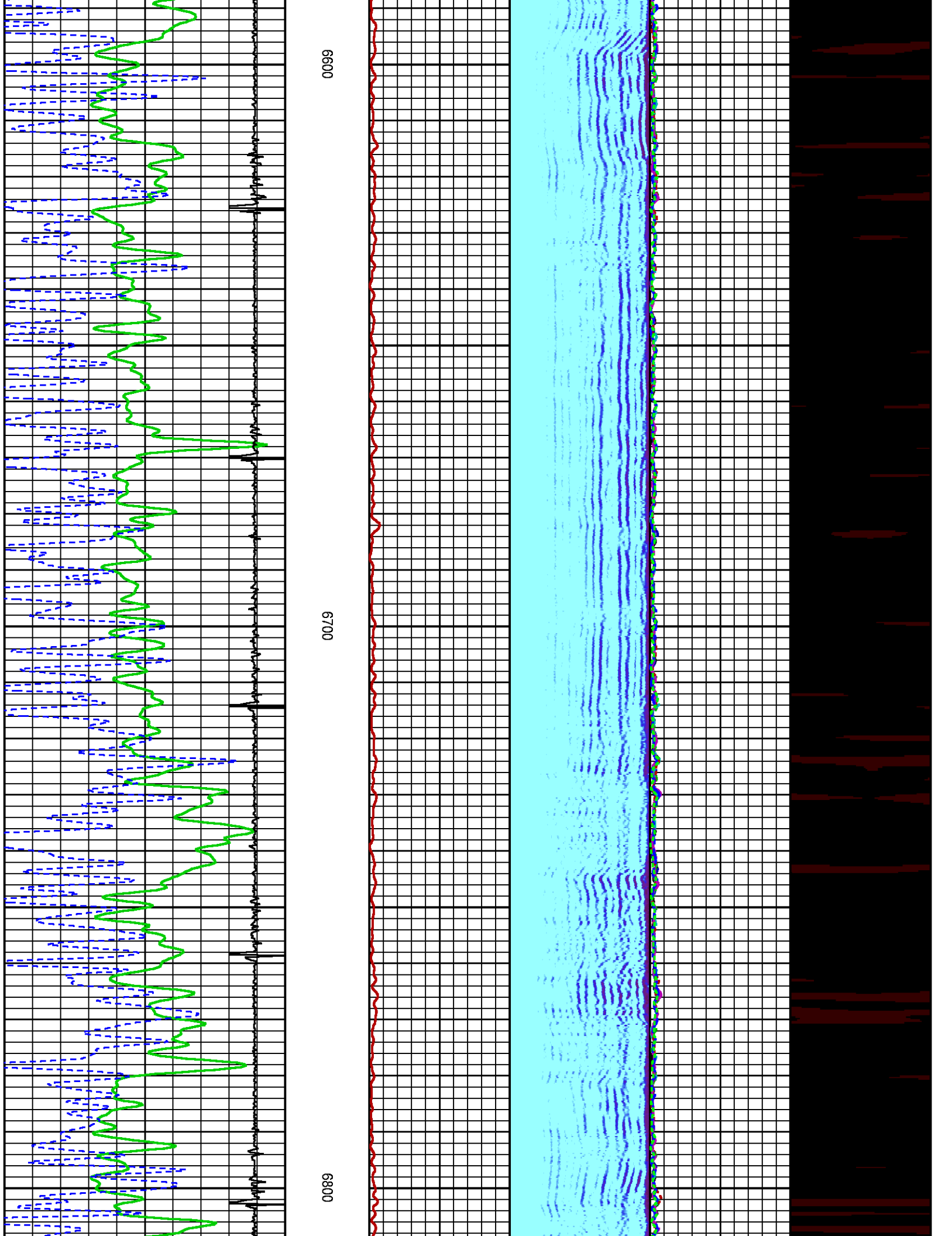
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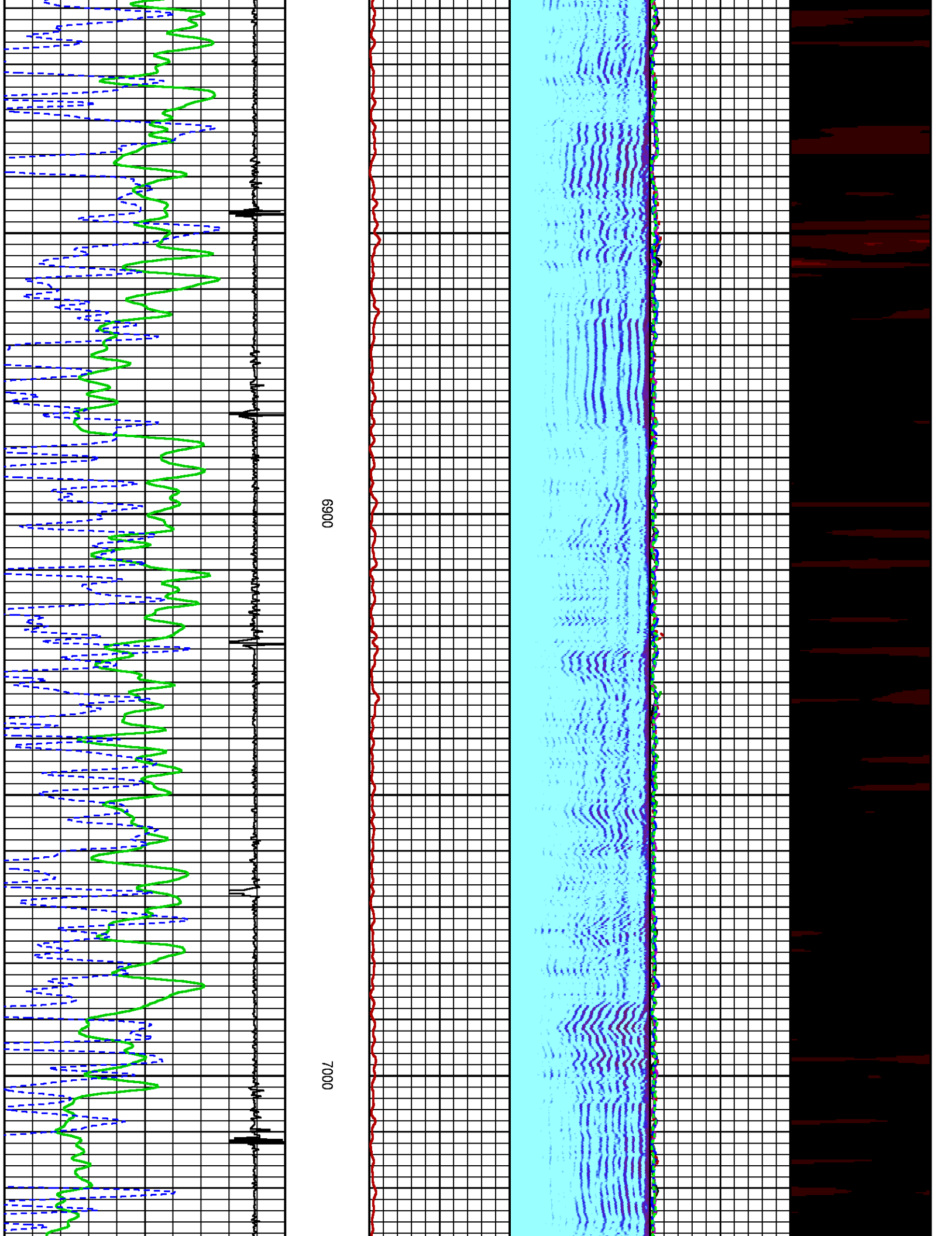






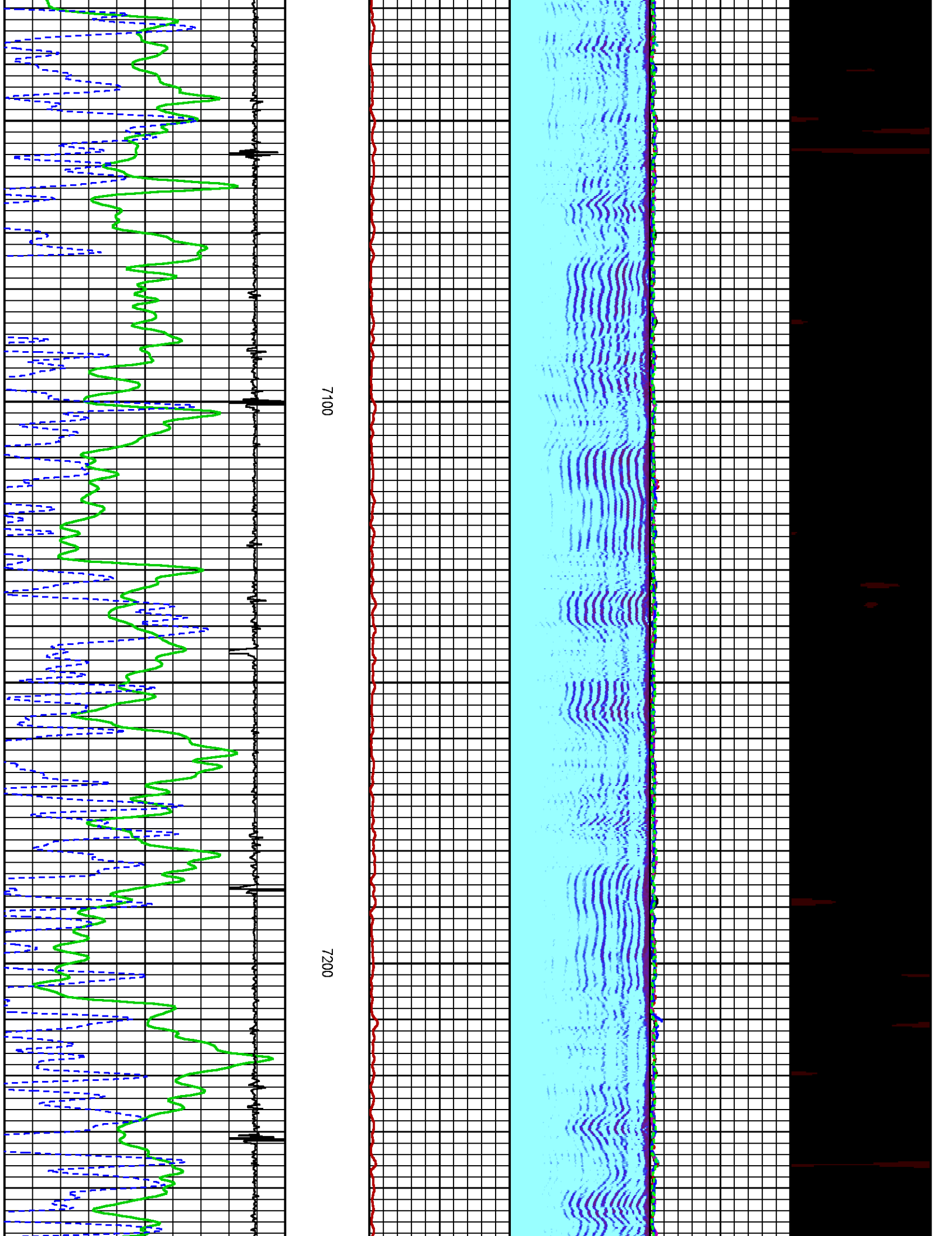


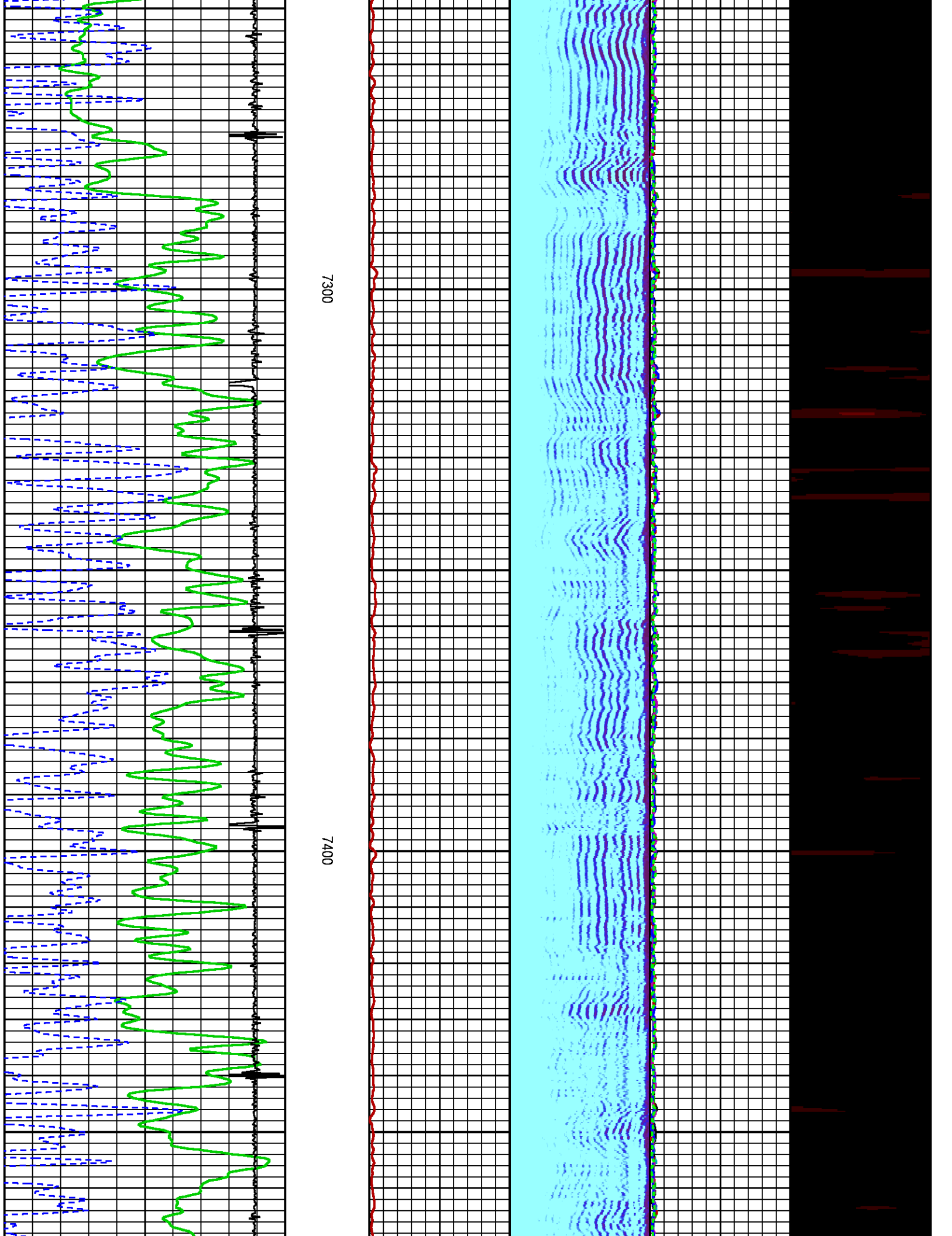


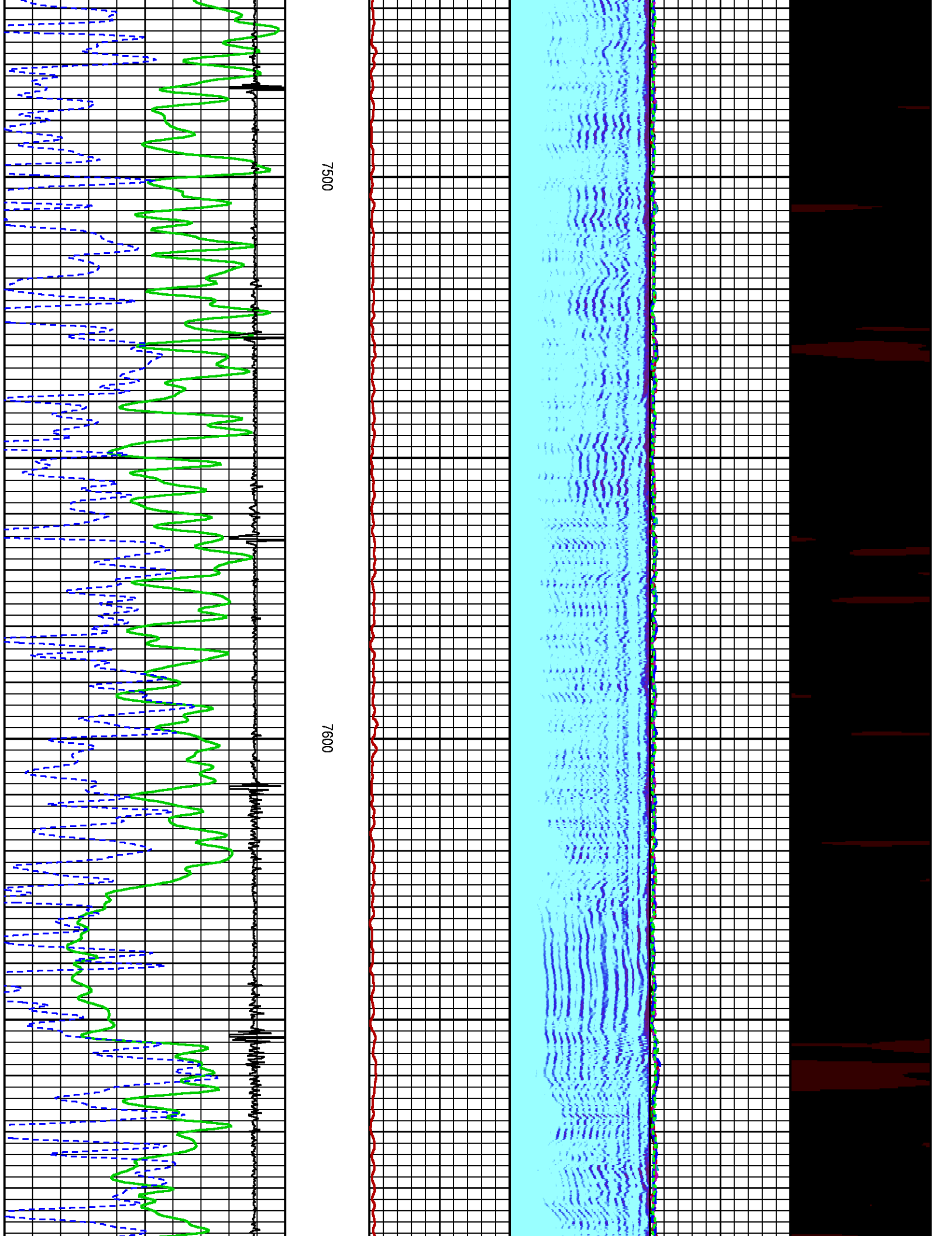


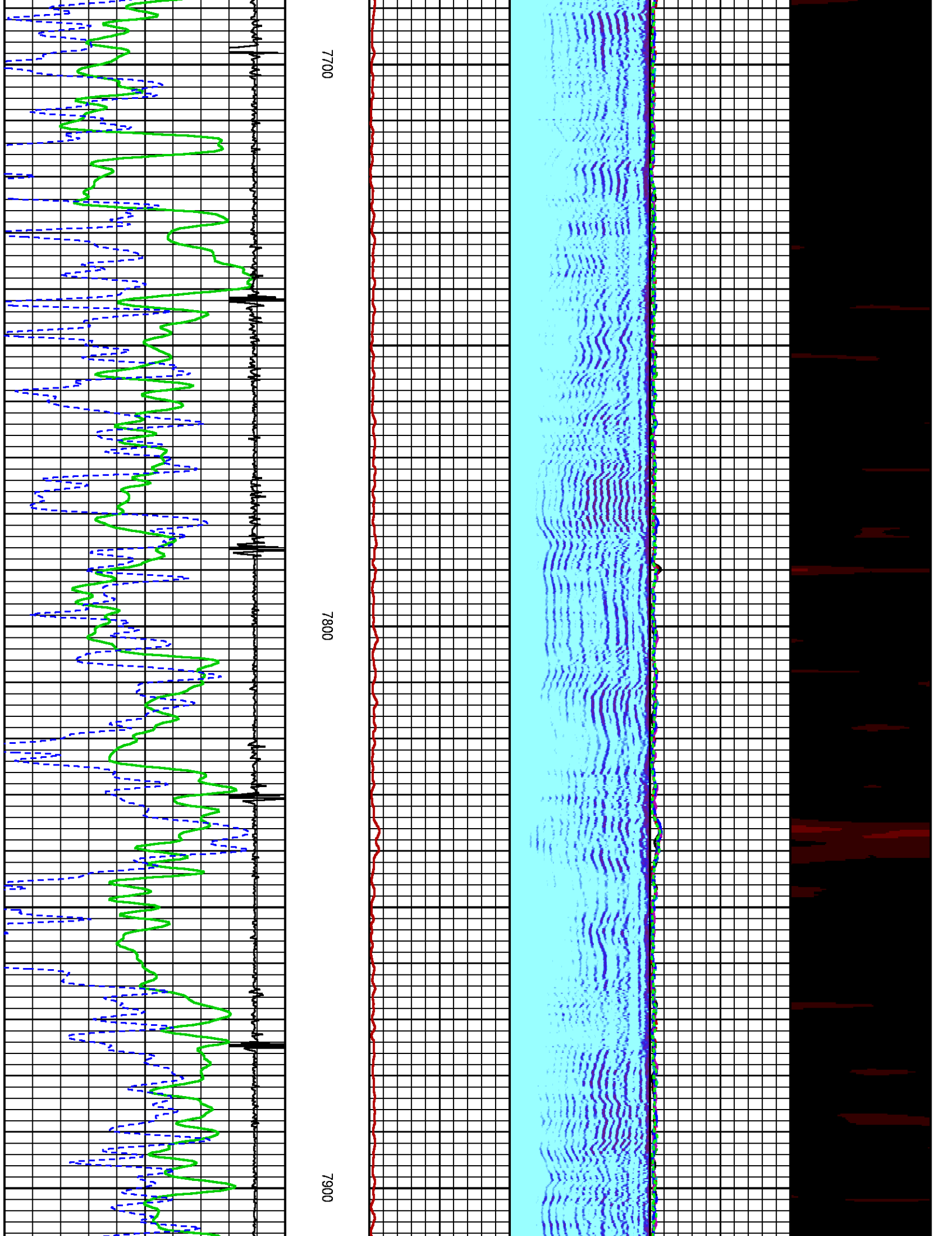
6900

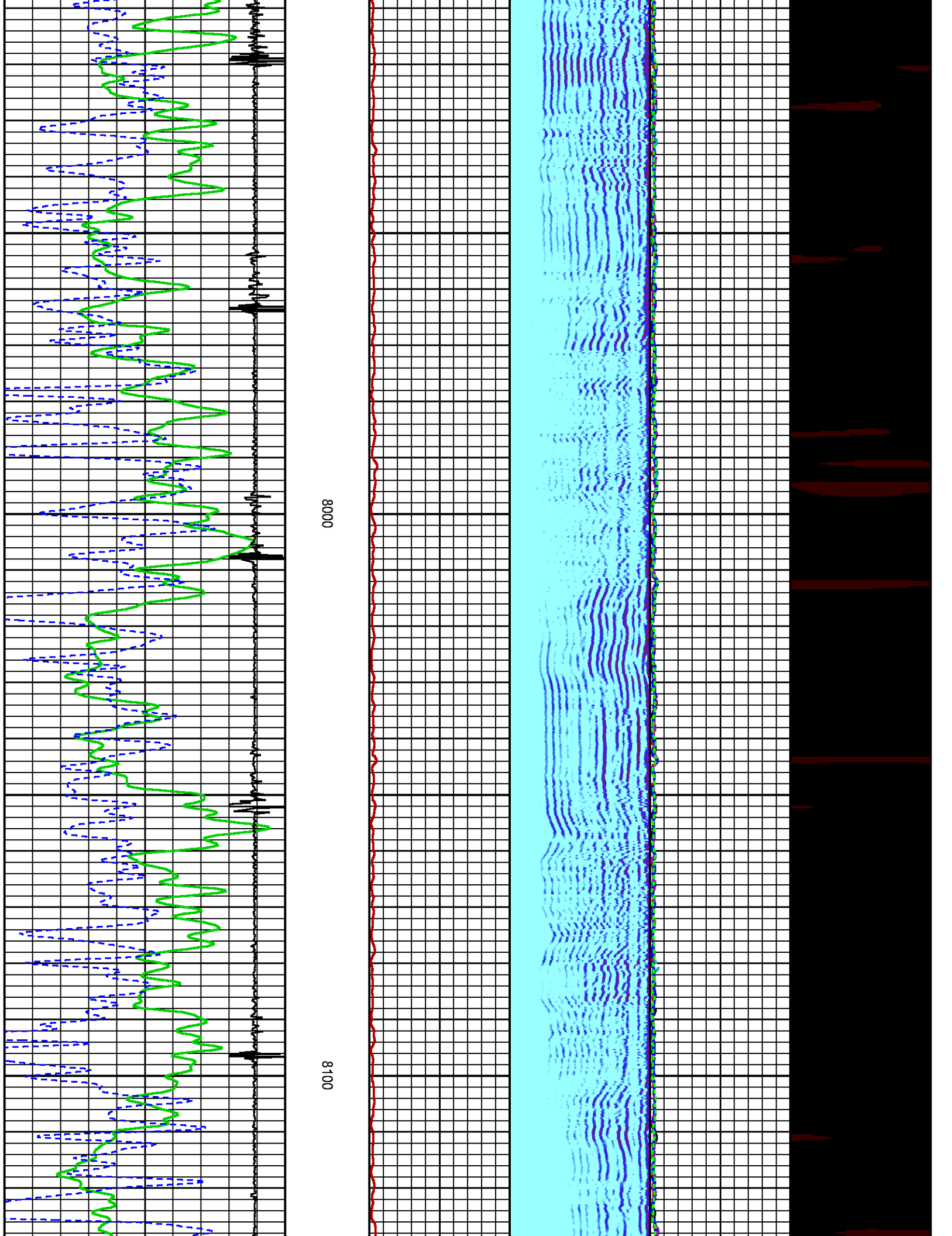
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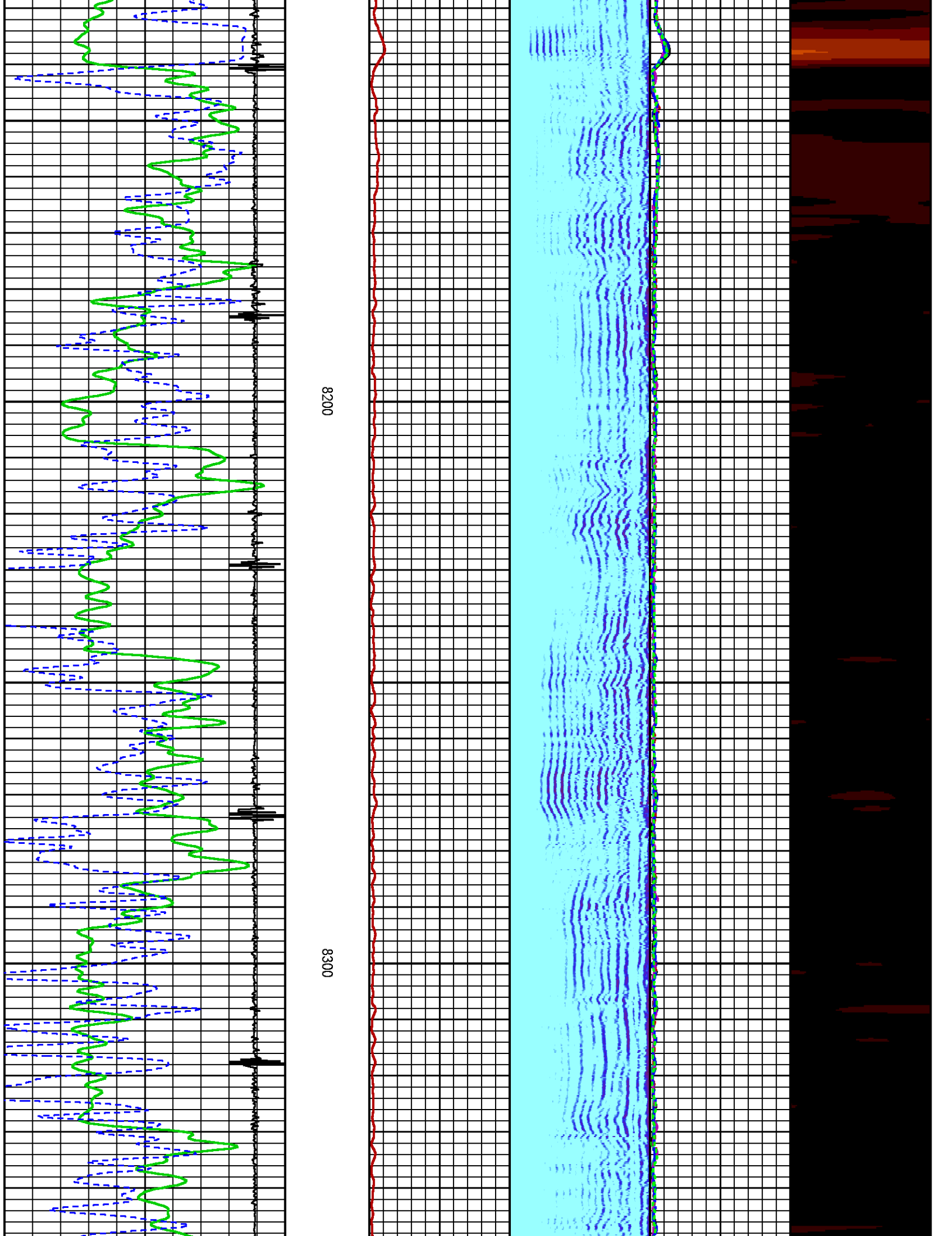


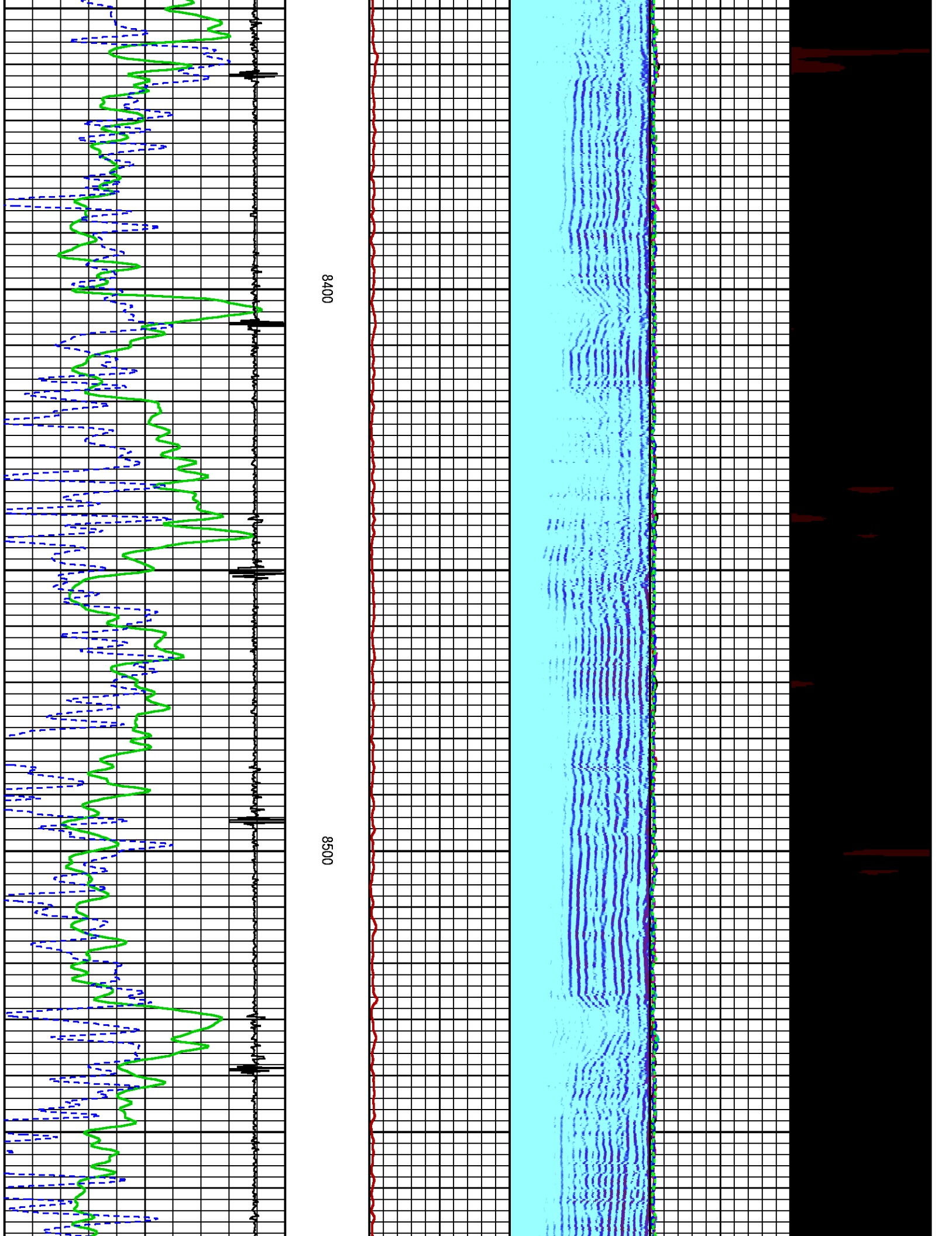


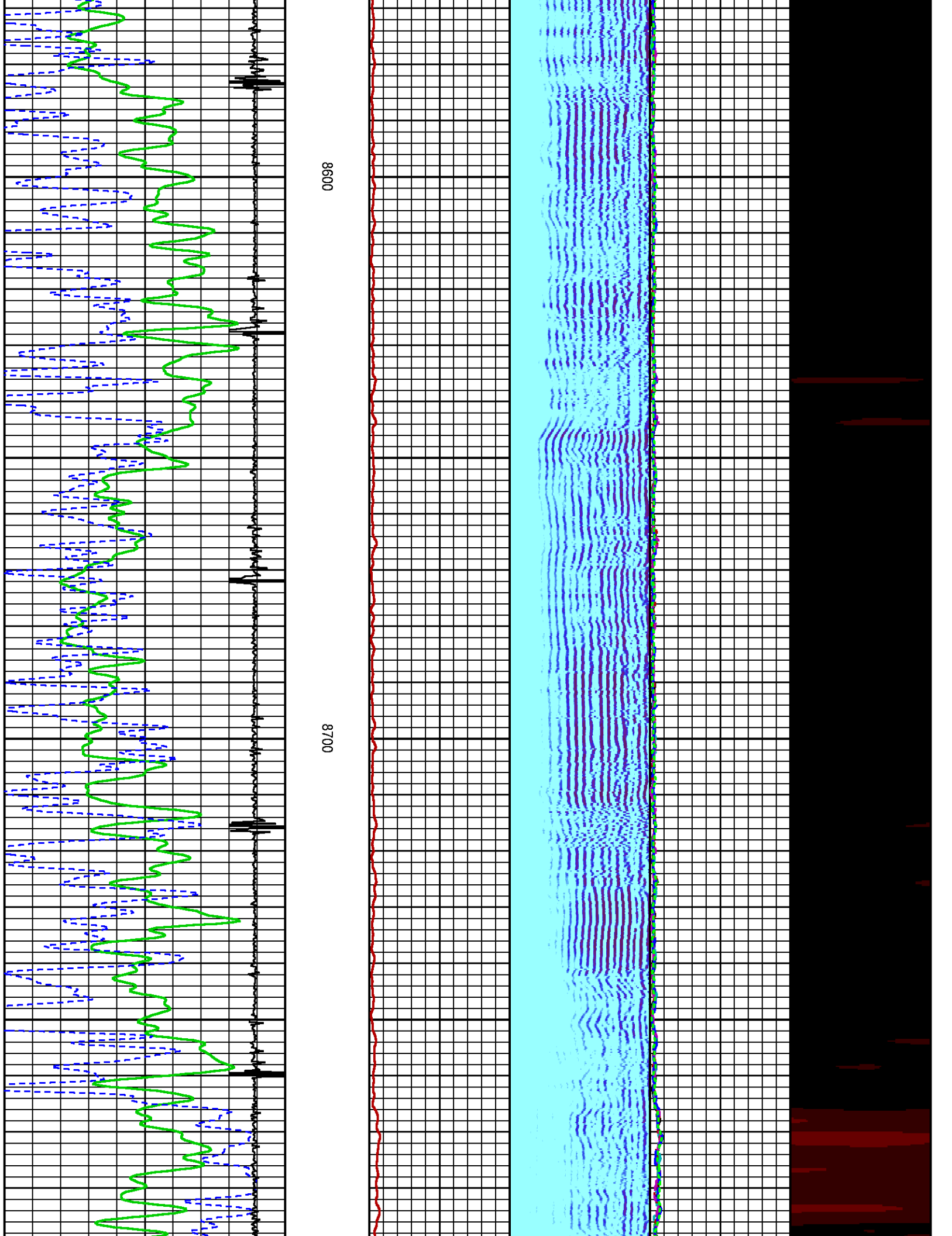


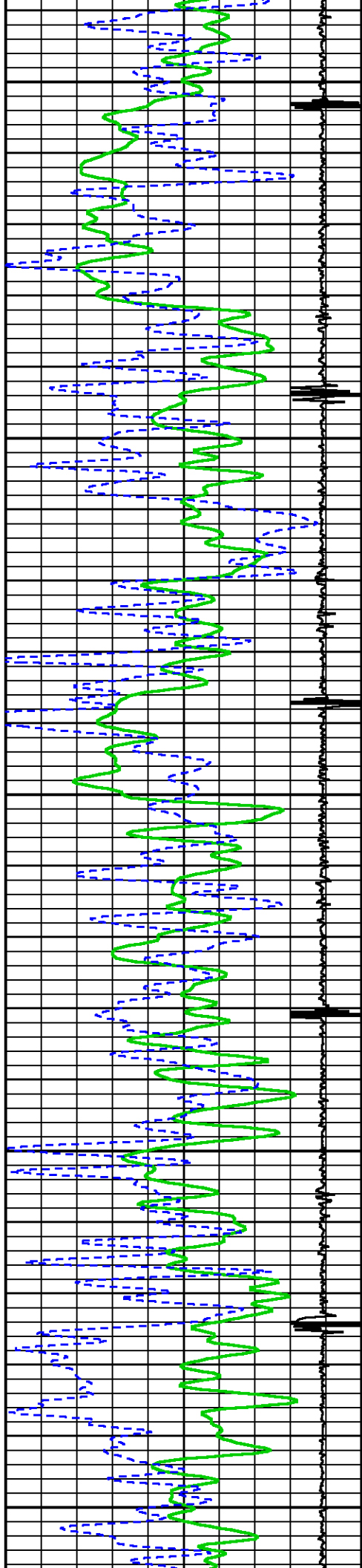








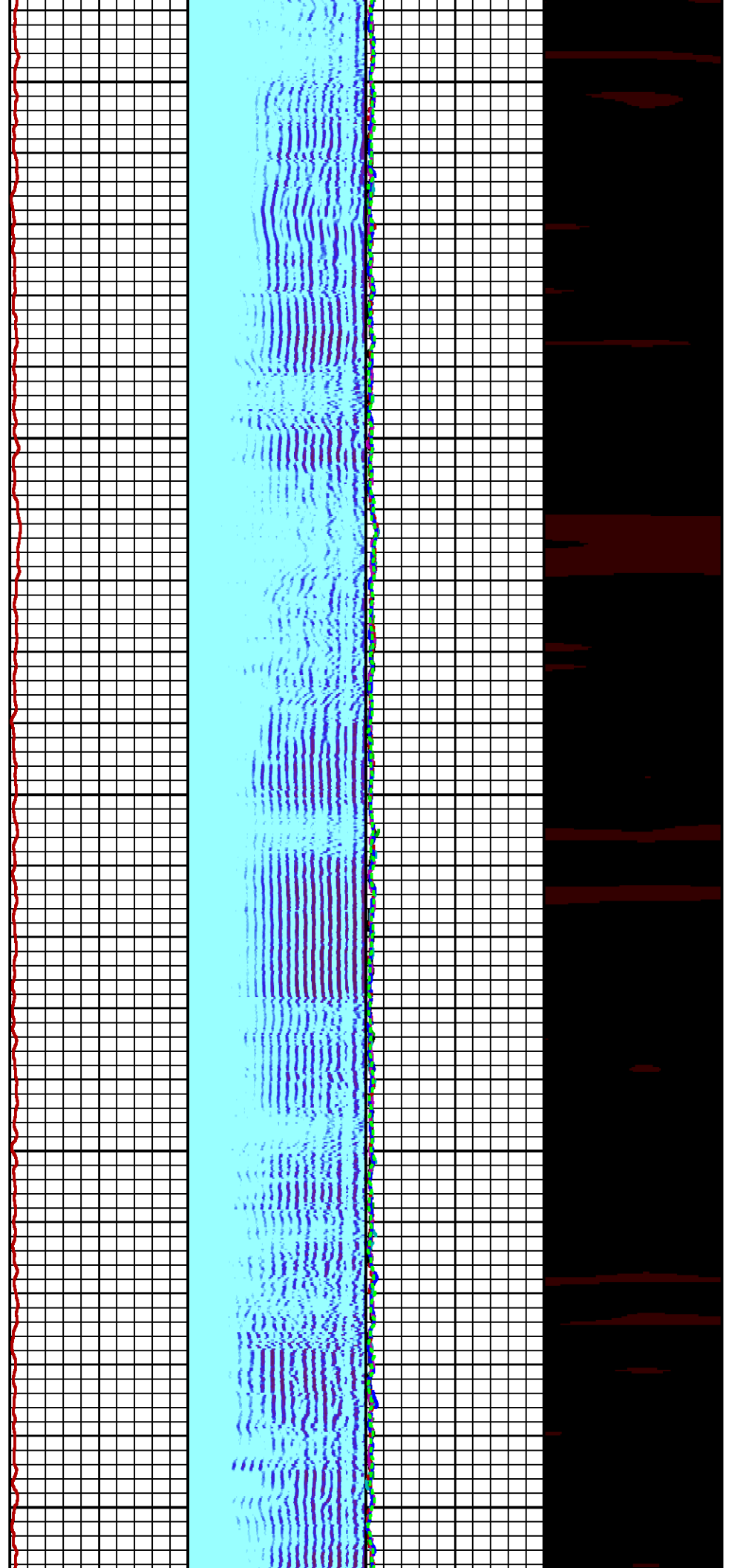


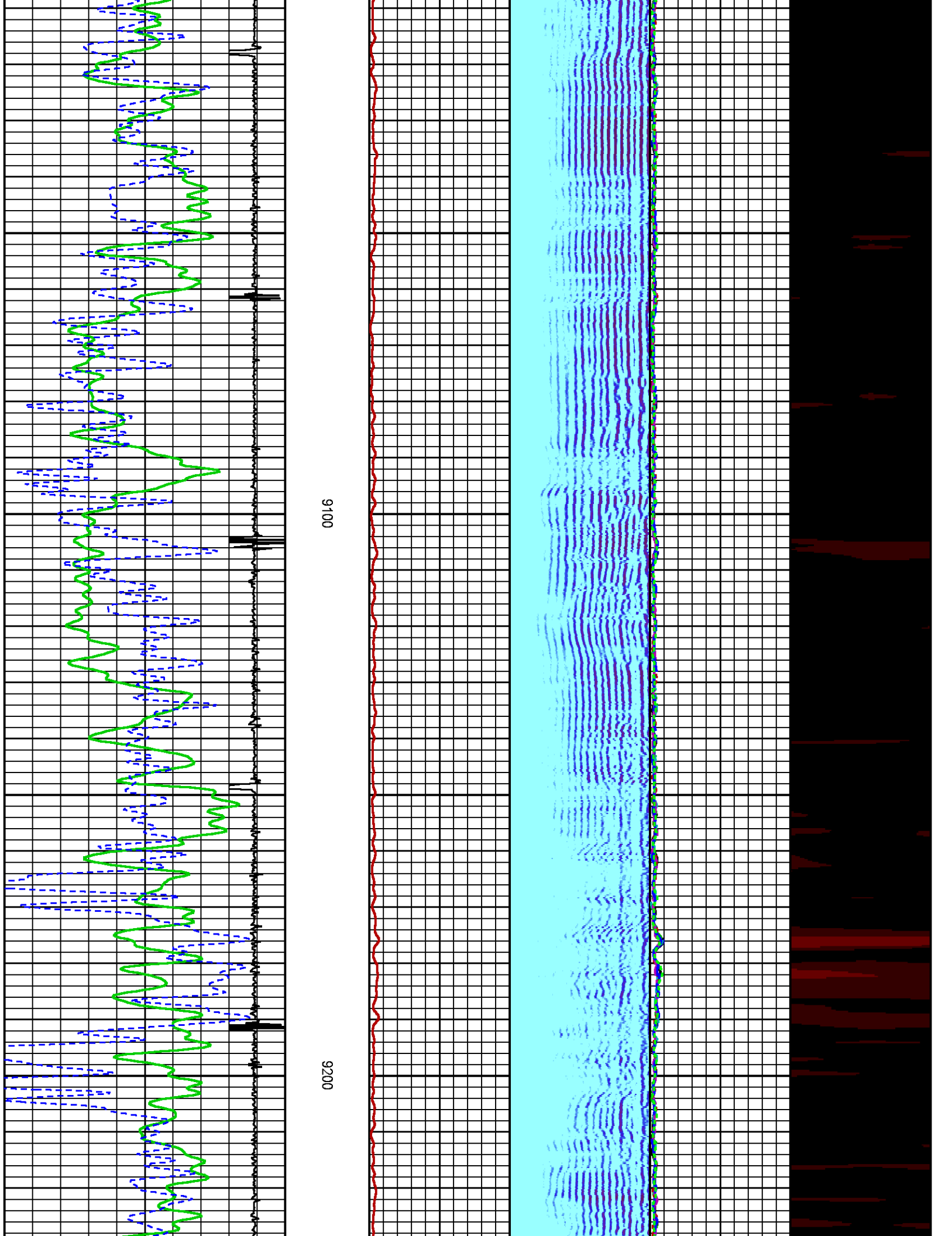


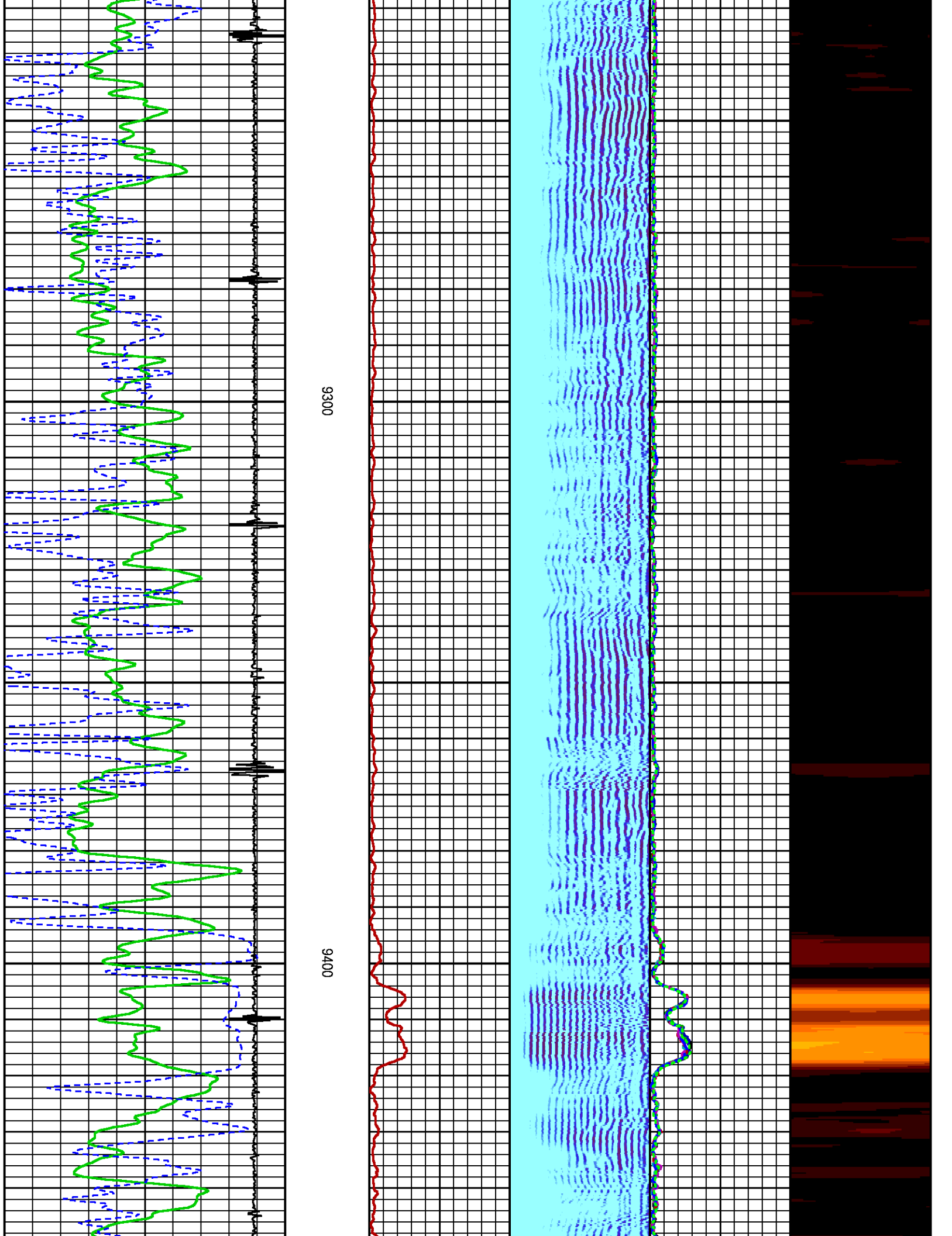
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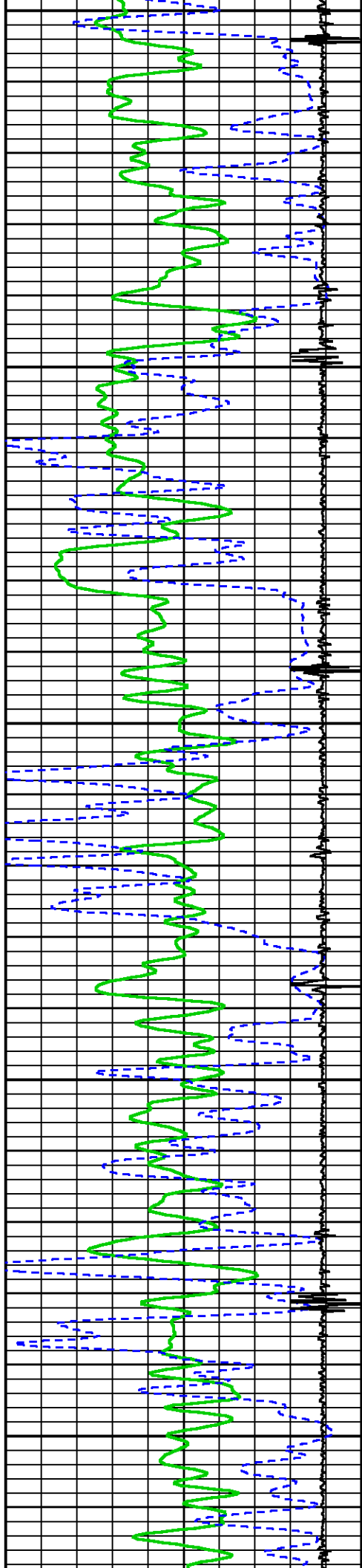
8900

8800



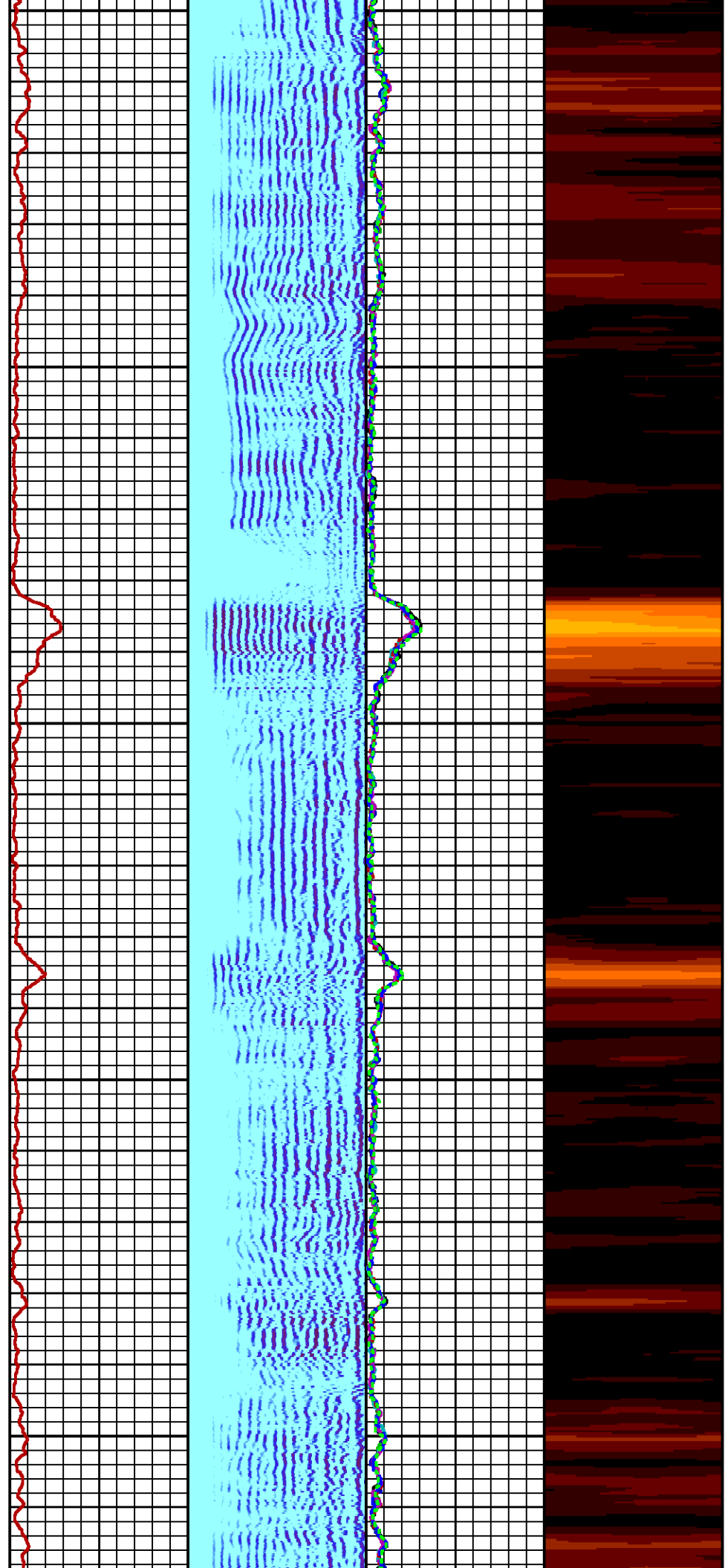


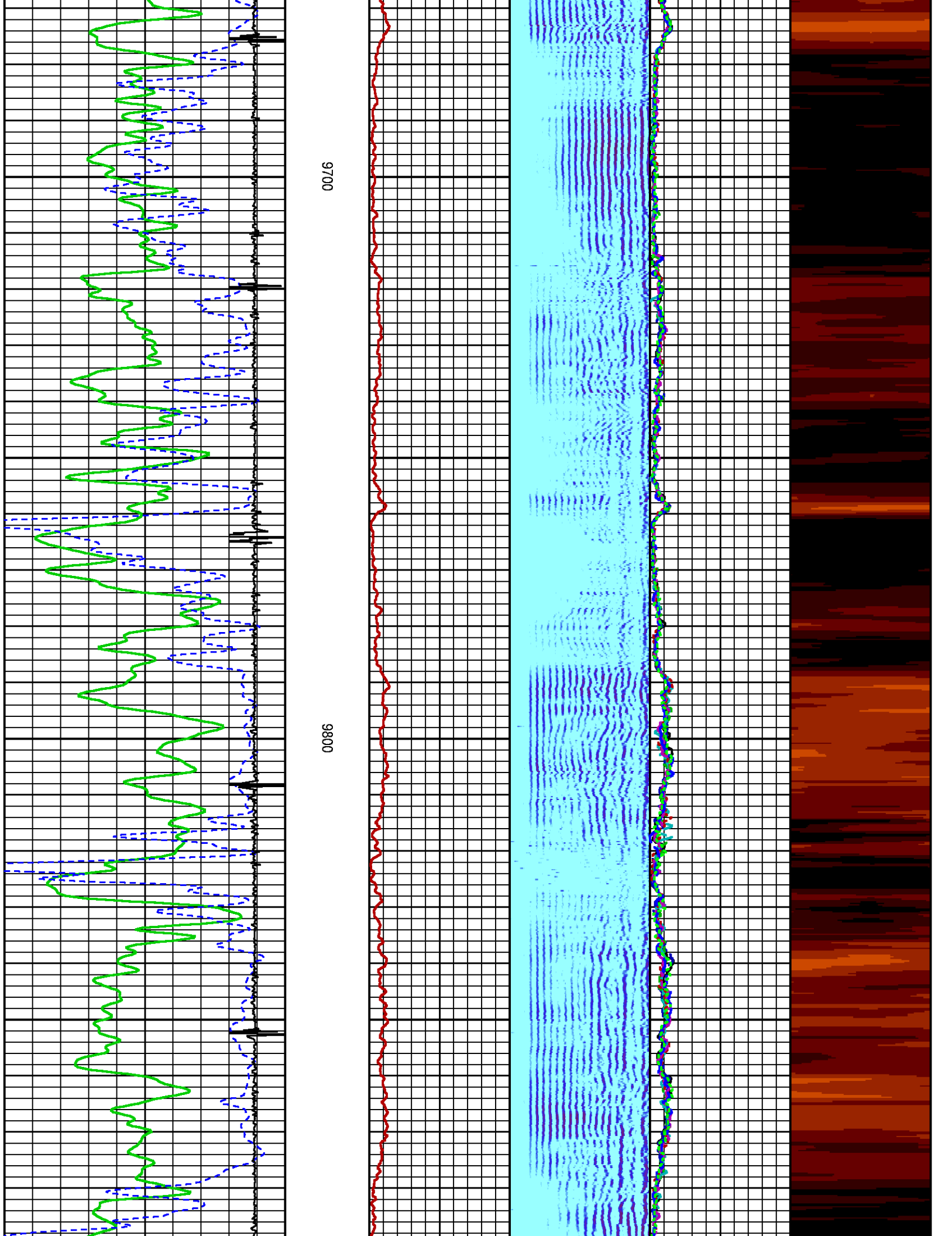




9500

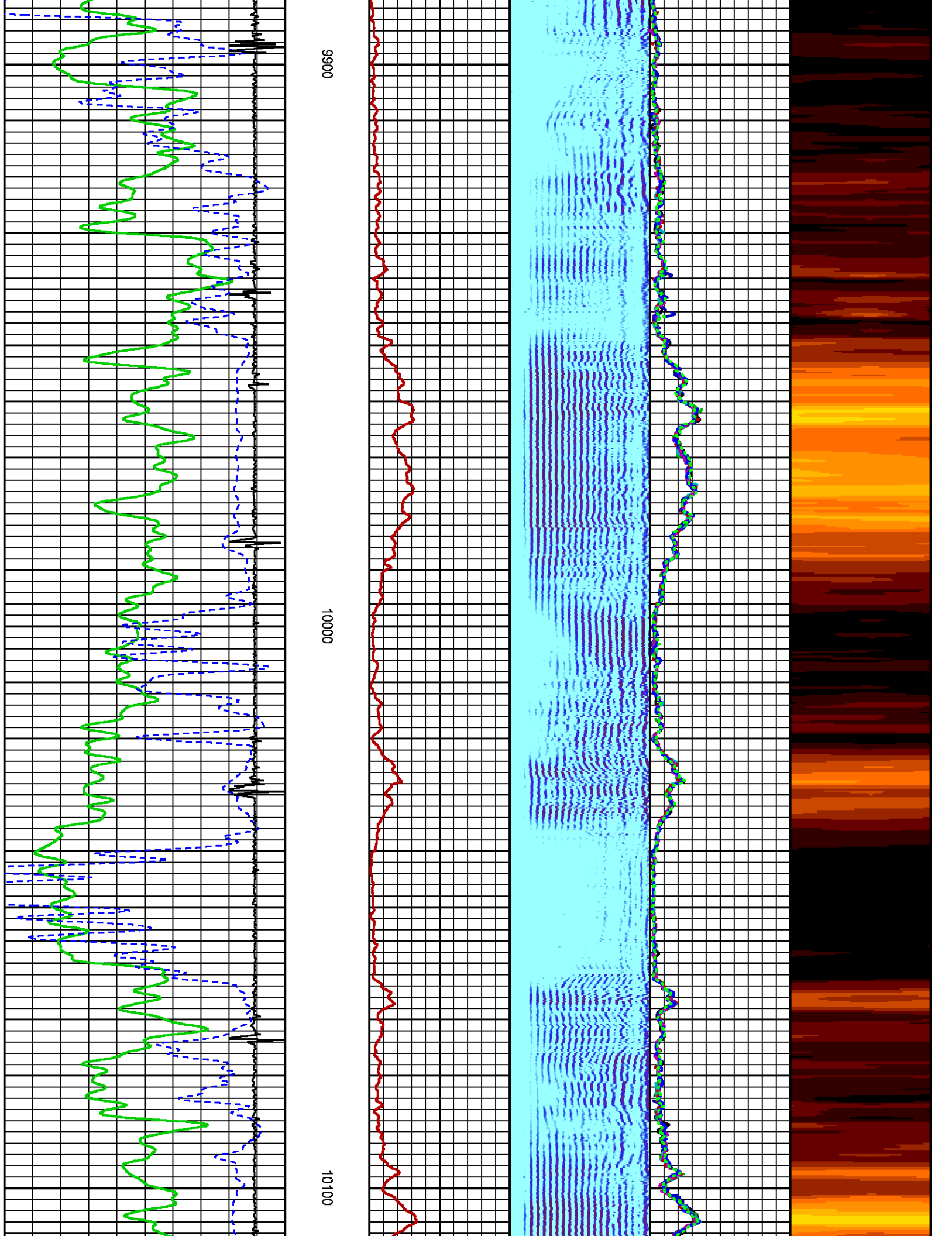
9600

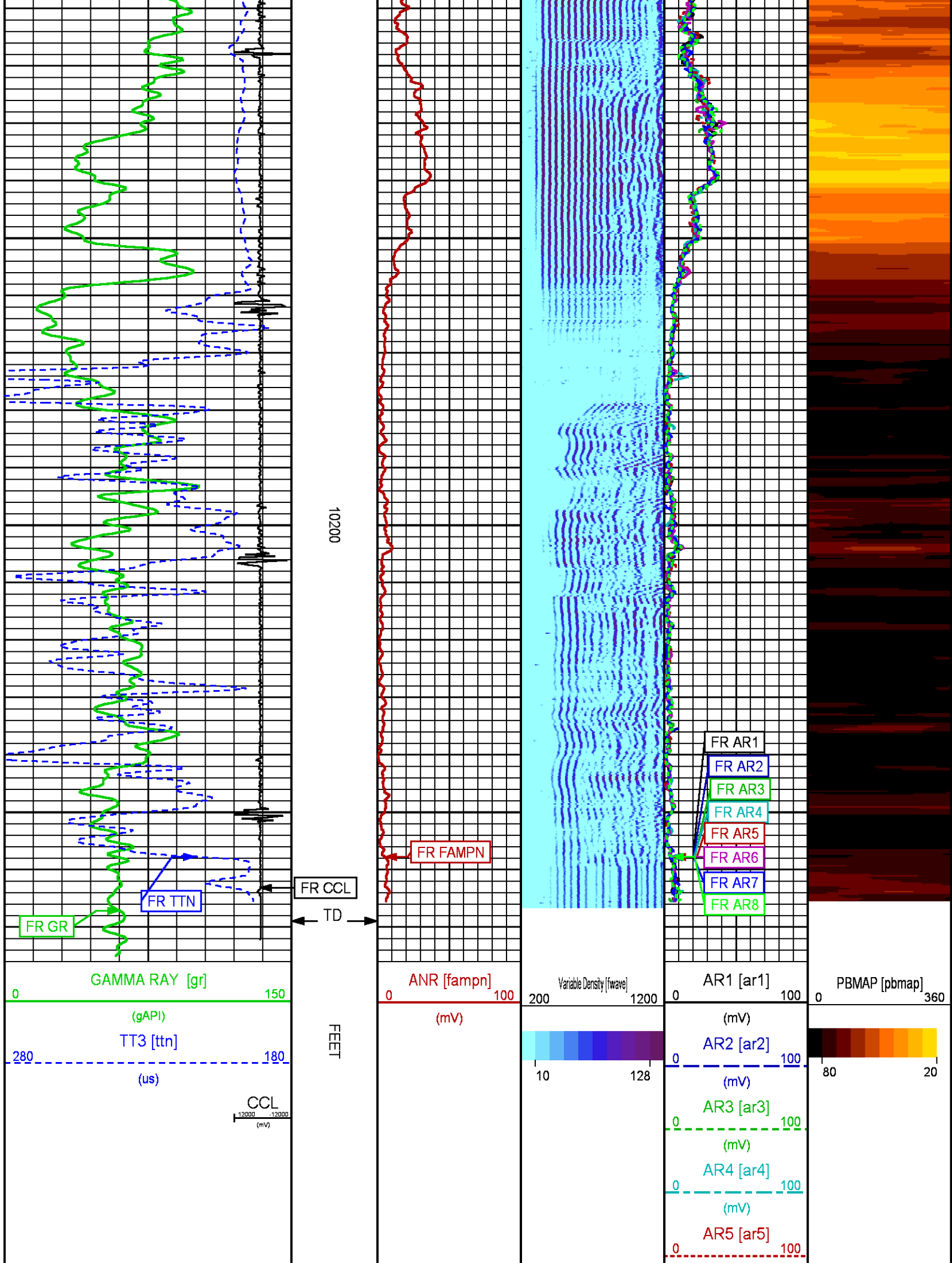


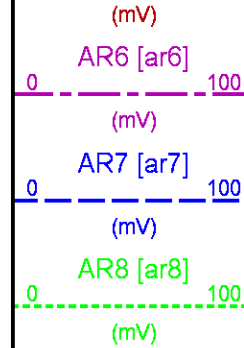


9700

9800







REPEAT PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 8

Plotted: Thu Nov 12 10:20:25 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH100859/n012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 9960.000 ft BOTTOM DEPTH: 10278.750 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	light (2a)		"	"
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

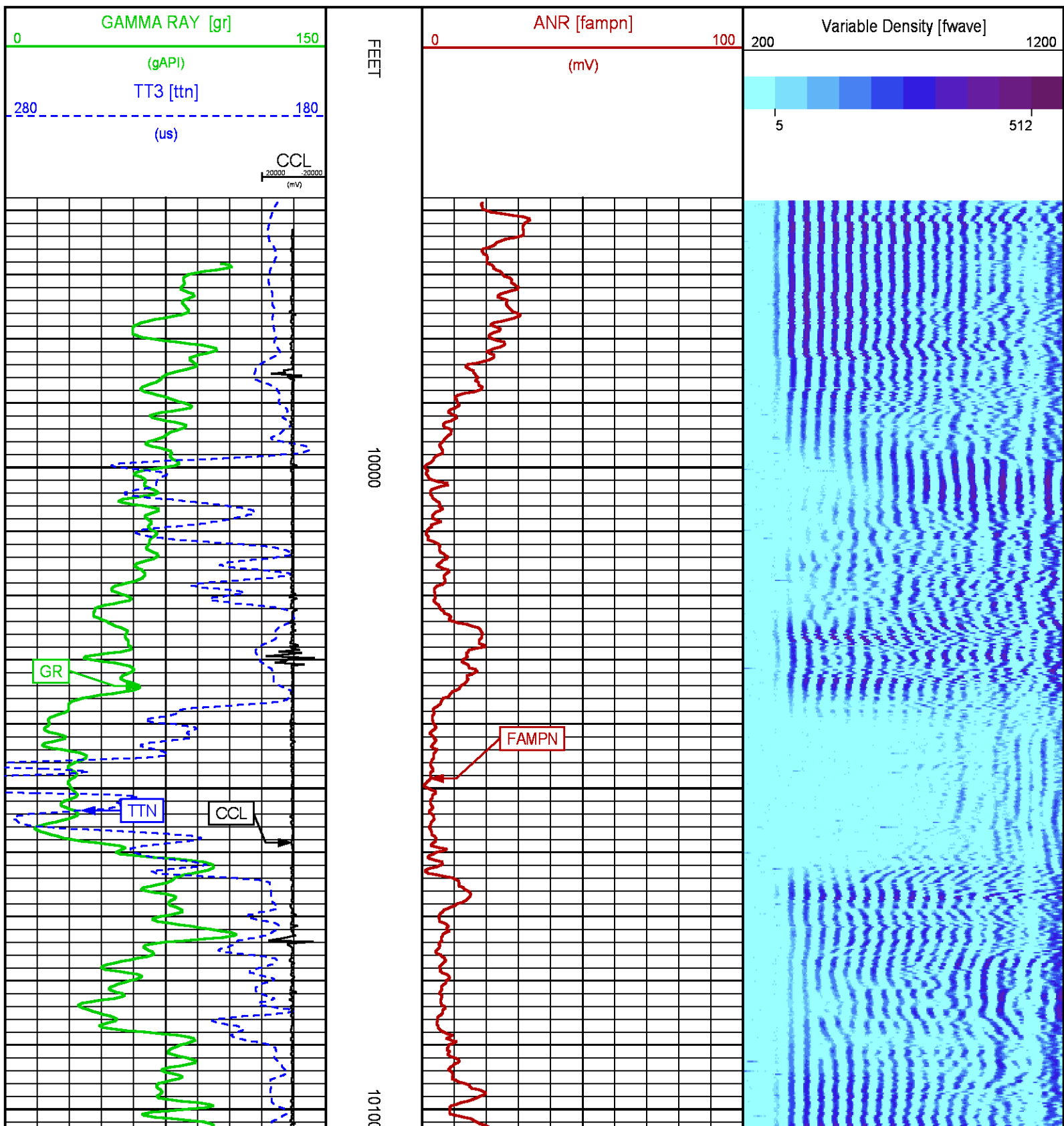
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	24	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	175	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-69	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

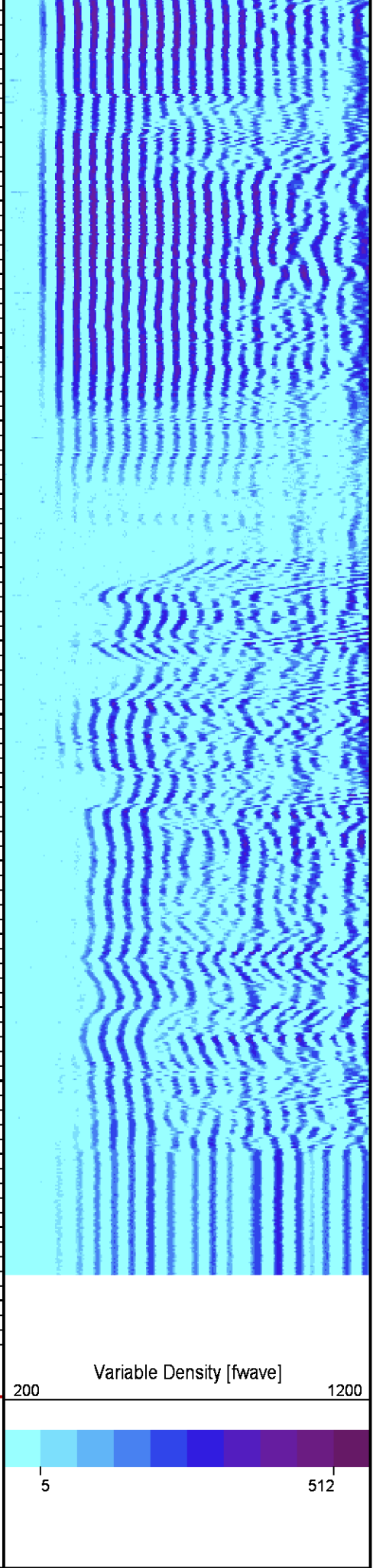
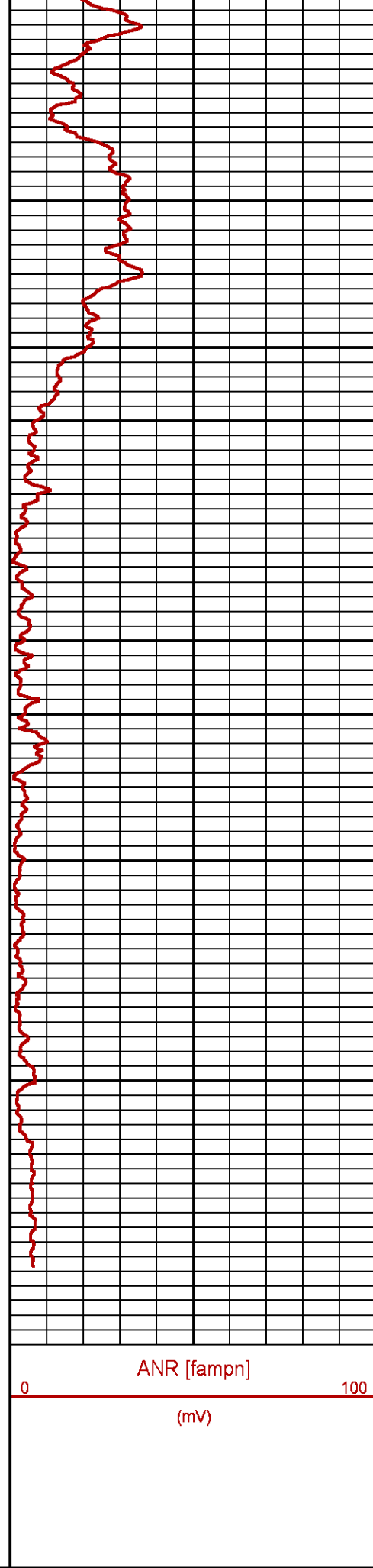
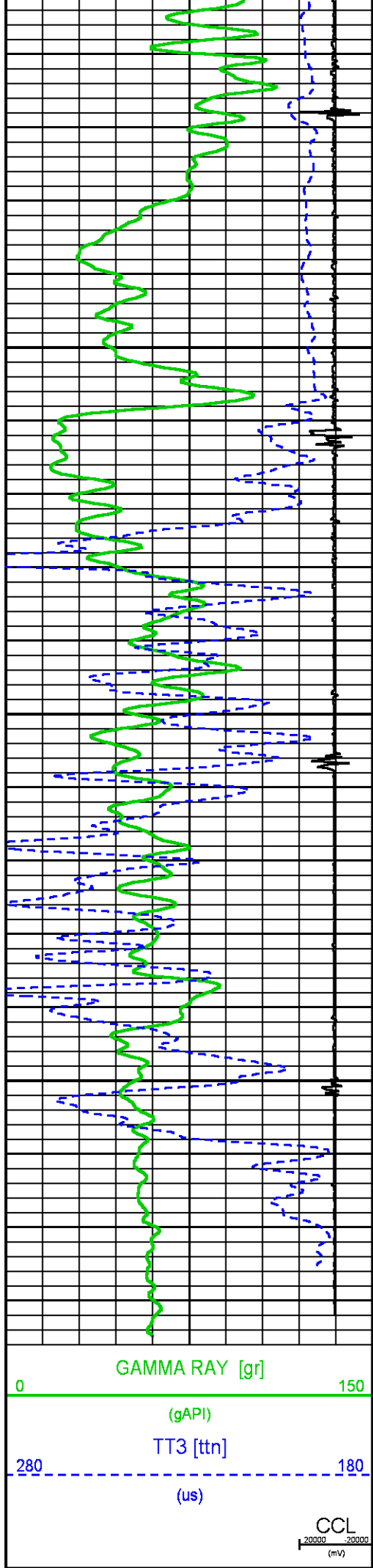
CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Nov 12 08:15:16 2015	CASING COLLAR LOCATOR
F1:FAMPN	Nov 12 08:15:16 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Nov 12 08:15:16 2015	FAR WAVE FORM
F1:GR	Nov 12 08:15:16 2015	GAMMA RAY
F1:TTN	Nov 12 08:15:16 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER

CURVE MEASURE POINT OFFSET

Presentation	: cas6685:/dat1a/CH100859/WPX_RAL-RPT.fvpdf [5"/100' Scale]
Plot Interval	: 9958.5 - 10286.2 Feet
Data File 1	: F1 : cas6685:/dat1a/CH100859/n012g01.xtf
Created On	: Nov 12 08:15:16 2015
Company	: WPX ENERGY INC
Well	: RU 344-5
Field	: RULISON
File Interval	: 9948.5 - 10287.8 Feet
OCT	: n012g





CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH100859/n012g.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Fri Oct 30 16:00:58 2015

UNIT #: 3885TC 6685

	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)	-0.10	-0.33	-0.29	-0.25	-0.15	-0.29	-0.77	-0.46	-0.10	2.20	-0.01
AMP FLUID (mV)	106	105	104	104	104	106	106	106	105	143	103
TT (us)	217	217	216	216	215	215	216	216	217	325	217
M FACTOR	0.95	0.95	0.96	0.96	0.96	0.94	0.94	0.94	0.95	1.07	0.97

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Thu Nov 12 07:25:24 2015

DAYS SINCE CAL: 12

UNIT #: 3885TC 6685

CABLE #: HL6685 SMALL1

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	0.69	0.23	0.34	0.15	0.10	0.23	-0.01	0.08	0.16	0.95	-0.00
AMP AIR	1.02	1.09	1.28	1.31	1.70	1.05	1.44	1.31	1.13	0.82	97.55

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
0.97	0.00	1.03

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 12670181

DATE/TIME PERFORMED: Wed Oct 21 13:23:22 2015

UNIT #: 3885TC 6685

CALB JIG #: 4702NK BA-905

	BACKGROUND (cts)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	81.51	297.38	215.9	0.695	56.64	206.64	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 12670181

DATE/TIME PERFORMED: Wed Oct 21 13:24:55 2015

UNIT #: 3885TC 6685

VERI JIG #: 4702NK BA-905

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	81.82	299.20	0.695	56.86	207.91	151.05
						140.00 160.00

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH100859/h012g~-tdg

CABLEHEAD

Diameter : 2.75"
Length : 2.25'
Weight : 10 lbs
Series : CABL234

RADIAL BOND TOOL

Diameter : 2.75"
Length : 11.17'
Weight : 126 lbs
Series : 1426XA
Mnemonic : RAL
Measure Point: 4.21': NEAR RCVR
Measure Point: 3.25': FAR RCVR

RAL GR/TEMP/CCL/CHV DETECTOR

Diameter : 2.75"
Length : 6.96'
Weight : 85 lbs
Series : 1355XA
Mnemonic : RAL
Measure Point: 5.79': CCL
Measure Point: 1.67': GR
Measure Point: 0.17': TEMP

TOTAL LENGTH: 20.38'
TOTAL WEIGHT: 225 lbs
MAX DIAMETER: 0'4.25"

20.38'

NEAR RCVR 11.17'

FAR RCVR 10.21'

CCL 5.79'

GR 1.67'

TEMP 0.17'



COMPANY
WELL
FIELD
COUNTY

WPX ENERGY INC
FEDERAL RU 344-5
RULISON
GARFIELD

STATE COLORADO

LOCATION:

SHL:616'FNL & 1937'FWL, SEC8 T7S R93W

ELEVATIONS:

KB 7760 FT

FILE NO:

CH100859

API NO:

05045227850000

SEC 5 T7S R93W

PAD: RU 21-8

RIG: H&P 318



BHL:271'FSL & 1260'FEL, SEC5 T7S R93W

DF

GL 7736 FT

RIC: N&P 510

SEC 5 TWP 7S RGE 93W

DATE 12-Nov-2015