



FILE NO: OH108943	COMPANY TEP ROCKY MOUNTAIN LLC
API NO: 05045231310000	WELL YOUBERG RU 423-7
	FIELD RULISON
	COUNTY GARFIELD
	STATE COLORADO

Ver. 4.06	LOCATION:	OTHER SERVICES
SEC. 7 T. 7S R. 93W	SHL: 2020' FNL & 1897' FWL	RPM
RIG: H&P 318	BHL: 1759' FSL & 1327' FWL	
PAD: RU 22-7	SEC 7 TWP 7S RGE 93W	

PERMANENT DATUM	G.L.	ELEVATION	7339 FT
LOG MEASURED FROM	K.B.	24 FT	ABOVE P.D.
DRILL. MEAS. FROM	K.B.		
		ELEVATIONS:	
		KB	7363 FT
		DF	
		GL	7339 FT

DATE	24-Aug-2016
RUN	1
TRIP	1
SERVICE ORDER	US108943J
DEPTH DRILLER	9672 FT
DEPTH LOGGER	9548 FT
BOTTOM LOGGED INTERVAL	9546 FT
TOP LOGGED INTERVAL	24 FT
TIME STARTED	10:30
TIME FINISHED	13:30
OPERATOR RIG TIME	3 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	56 FT
LOGGED CEMENT TOP	SEE LOG
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	100 F/MN
MAX. RECORDED TEMP.	230 DEGF
REFERENCE LOG	NONE
REFERENCE LOG DATE	NA
EQUIP. NO.	HL-6670
LOCATION	GRAND JCT.
RECORDED BY	P. EDWARDS / M. MENTZER
WITNESSED BY	B. OAKS

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	24 FT	1124 FT
8.75 IN	1124 FT	9527 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN	32.3 LB/F		24 FT	1124 FT
4.5 IN	11.6 LB/F	P-110	24 FT	9527 FT

REMARKS

RUN 1 TRIP 1: ALL DATA ON THIS LOG IS SHIFTED USING THE CCL CURVE TO PUT THE WELLHEAD (TOP CCL MARK) ON DEPTH WITH GROUND LEVEL ELEVATION AT THE CLIENT'S REQUEST.

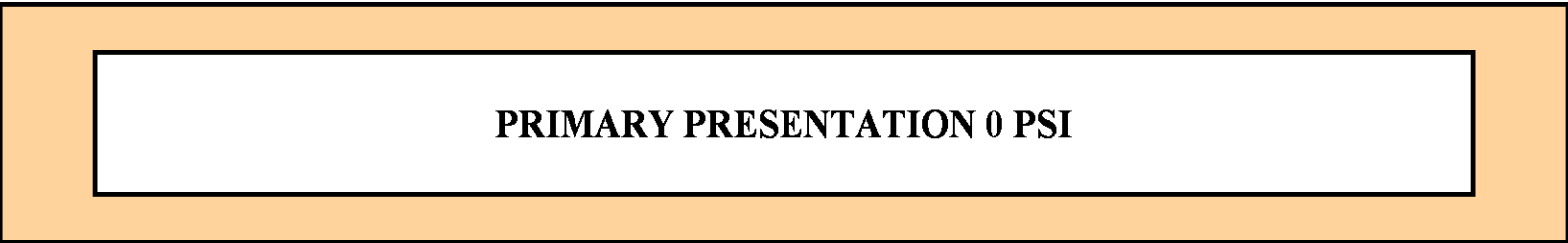
THE AMOUNT OF LINEAR SHIFT IS 11 FEET

LOGGED WITH ZERO PSI AT WELLHEAD

BHT = 230 DEGF

SJ = 5932'-5955'

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	RAL	1426XA	10154957	CENTRALIZED
1	1	GR/CCL	1355XA	12670181	CENTRALIZED



ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
 Updates: 1 Patches: 9

Plotted: Wed Aug 24 15:09:46 2016

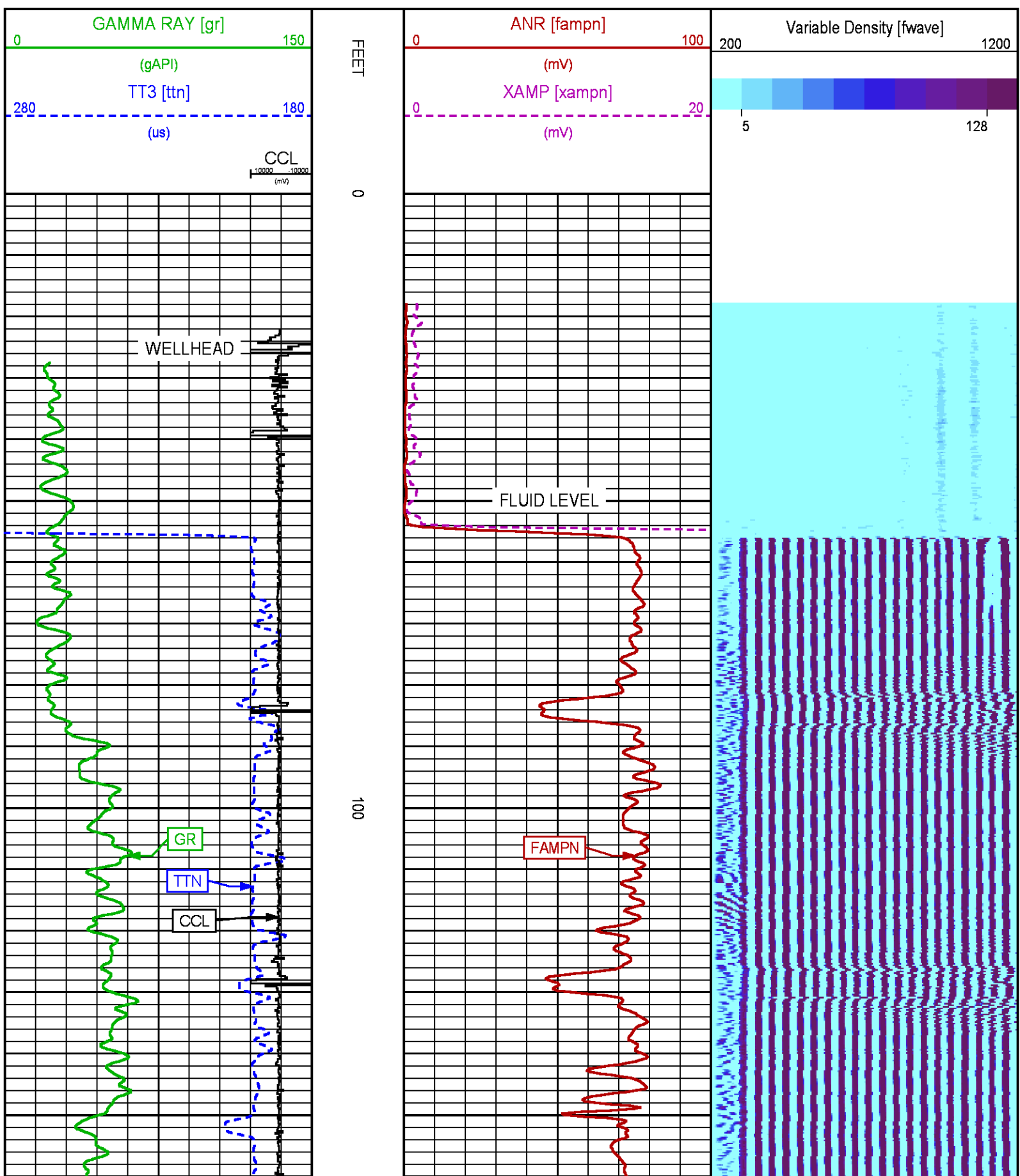
PARAMETER AND FILTER SUMMARY REPORT					
FILE: /dat1a/CH108943/n012g02.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: 17.000 ft BOTTOM DEPTH: 9524.250 ft					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1)		"	"
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 (fgpn*)	185	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	171	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*)	-72	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

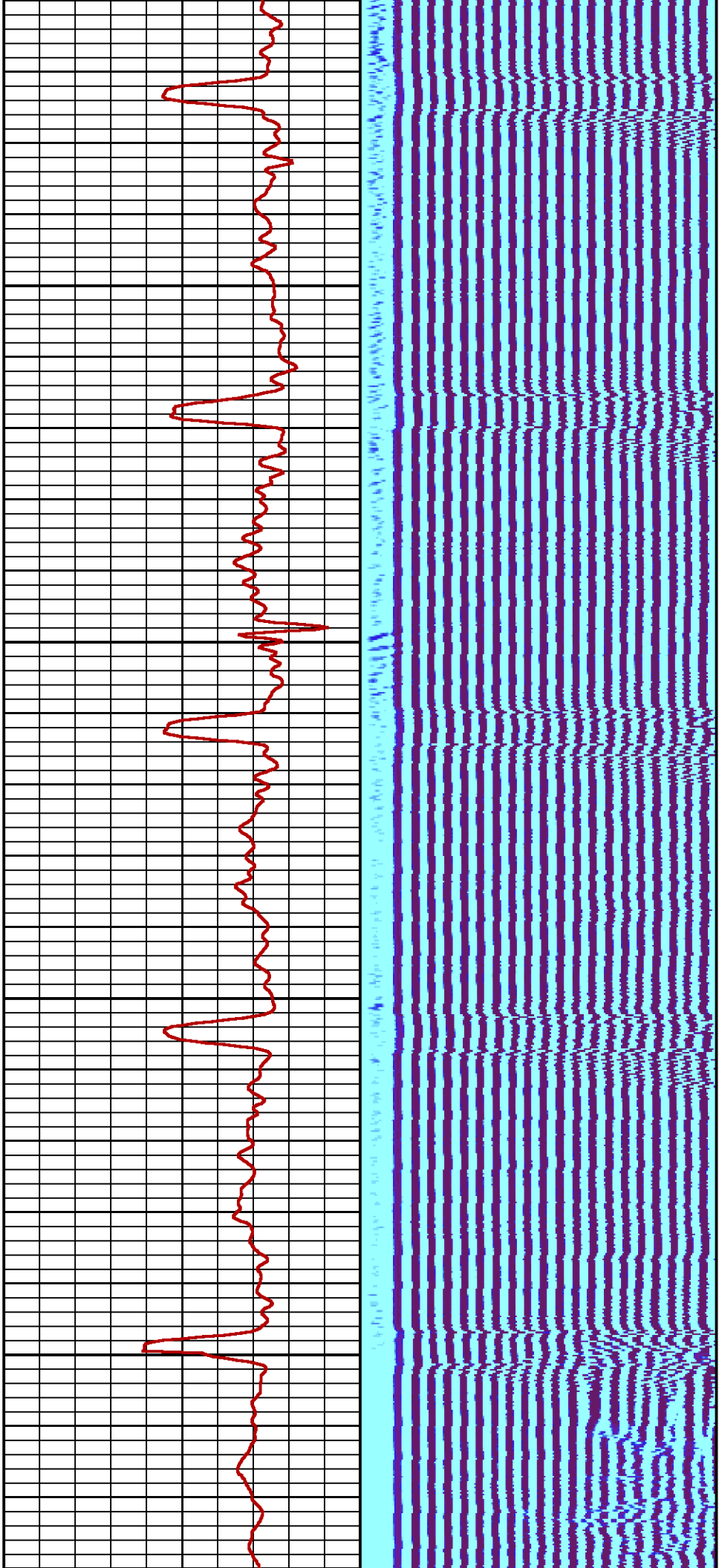
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Aug 24 11:50:03 2016	CASING COLLAR LOCATOR
F1:FAMPN	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Aug 24 11:50:03 2016	FAR WAVE FORM
F1:GR	Aug 24 11:50:03 2016	GAMMA RAY
F1:TTN	Aug 24 11:50:03 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

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

Representation : cpu100.dat1a/CH108943/n012g02MAIN.vpui [5 / 100 Scale]
Plot Interval : 0 - 9556 Feet

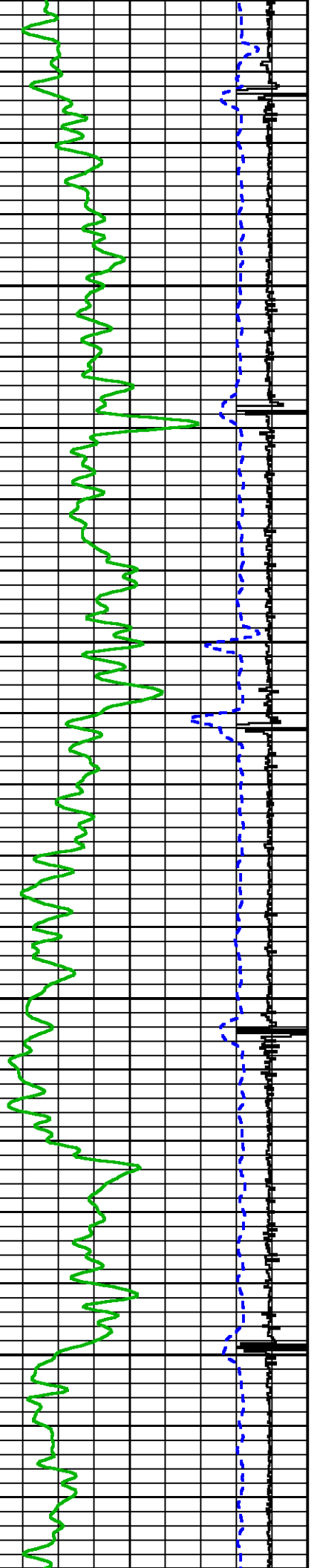
Data File 1 : F1 : cpu100:/dat1a/CH108943/n012g02MAIN423.xtf
Created On : Aug 24 11:50:03 2016
Company : TEP ROCKY MOUNTAIN LLC
Well : YOUNBERG RU 423-7
Field : RULISON
File Interval : 16.75 - 9557.25 Feet
OCT : n012g

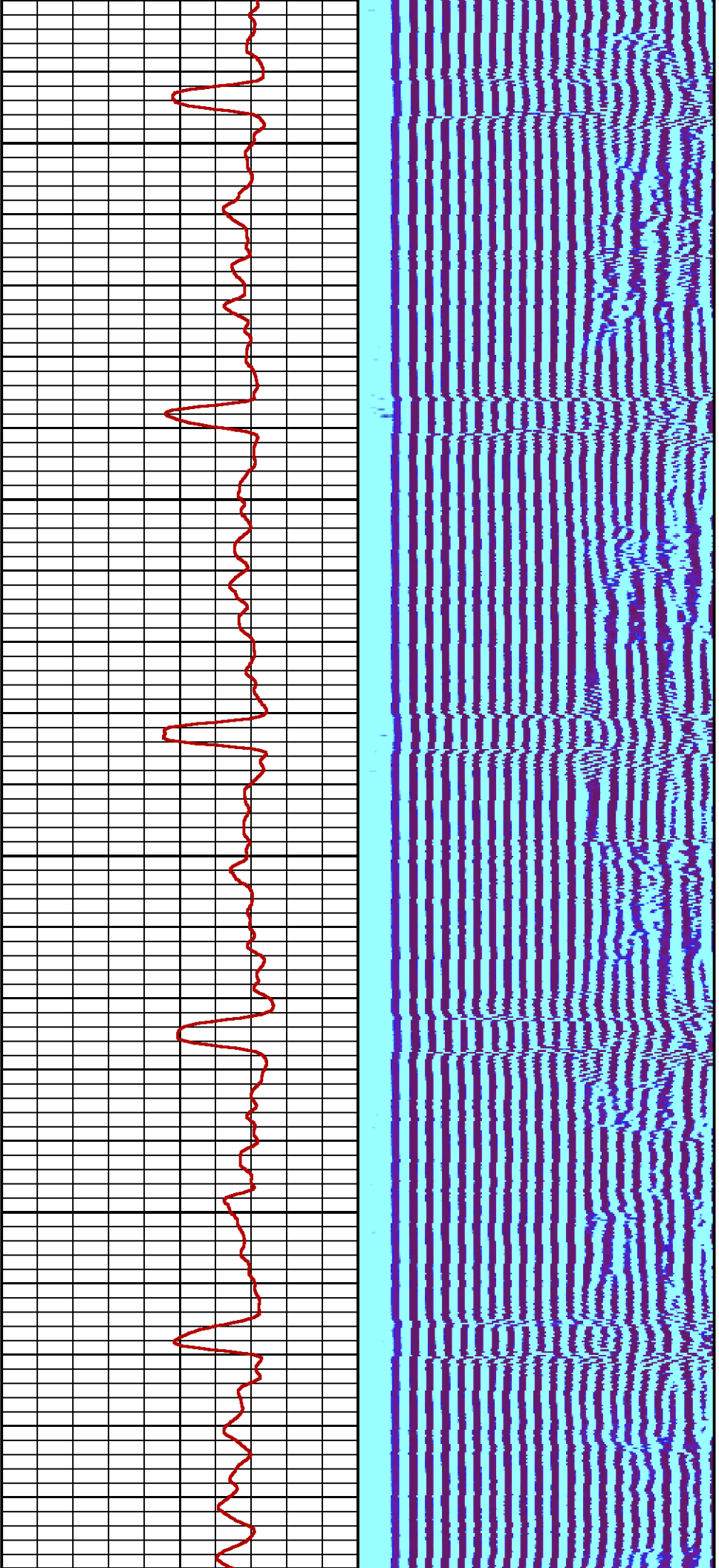




200

300

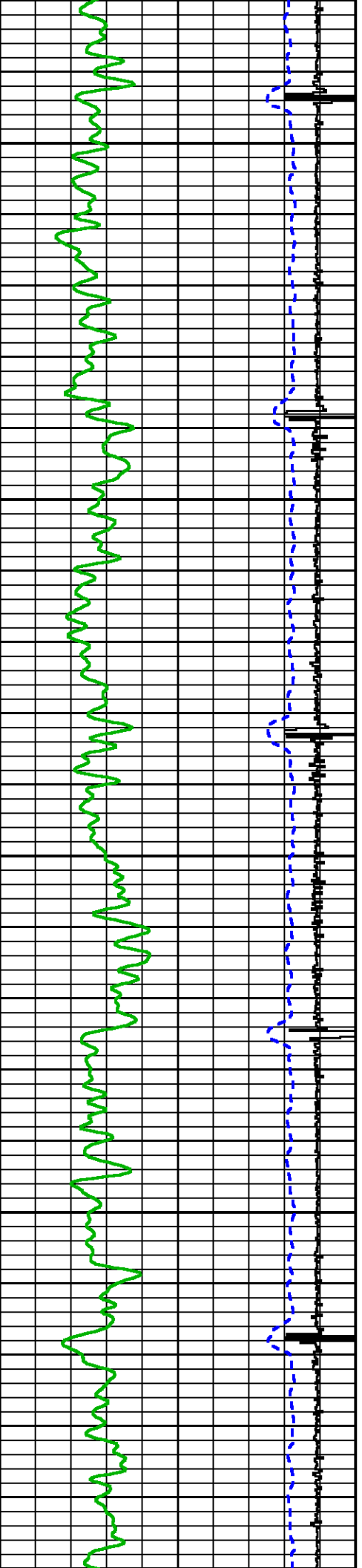


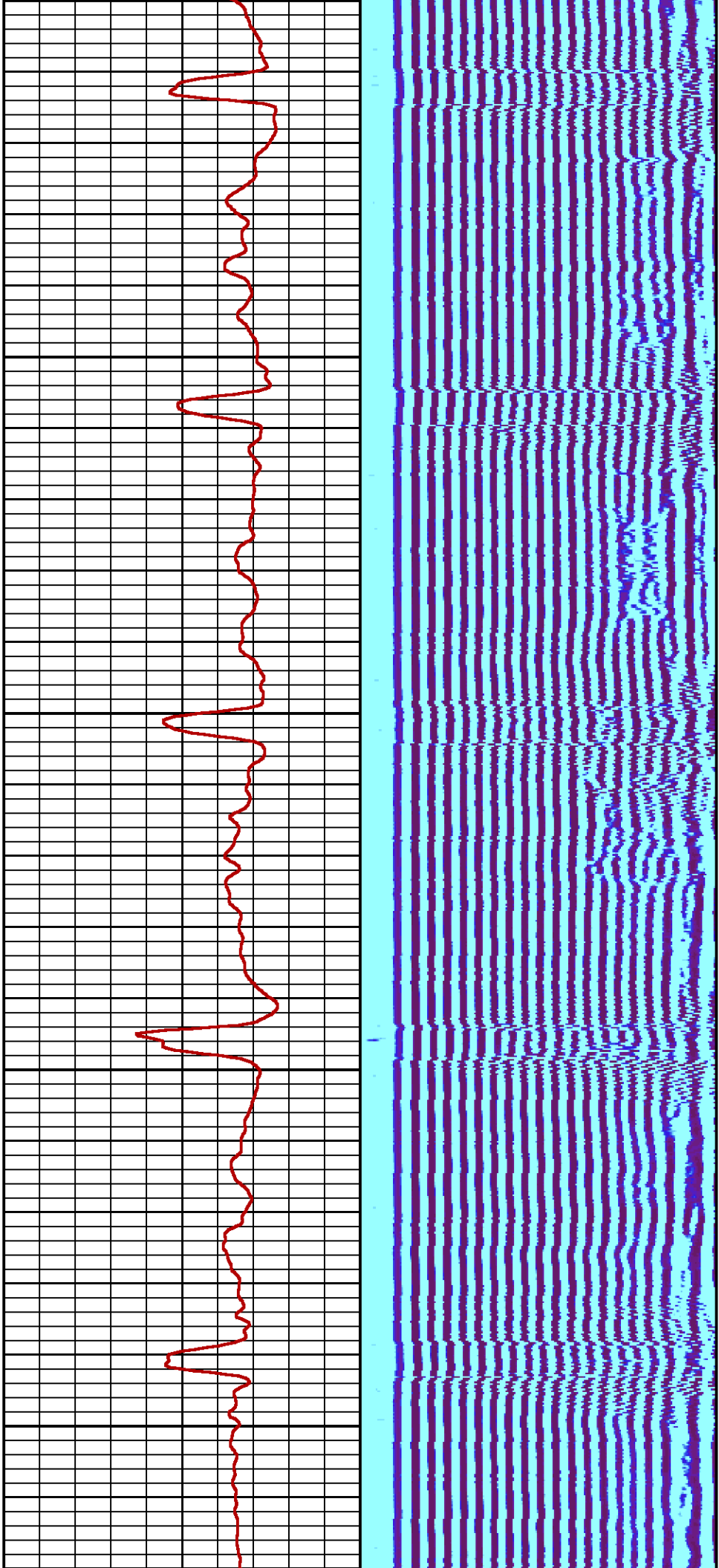


400

500

60

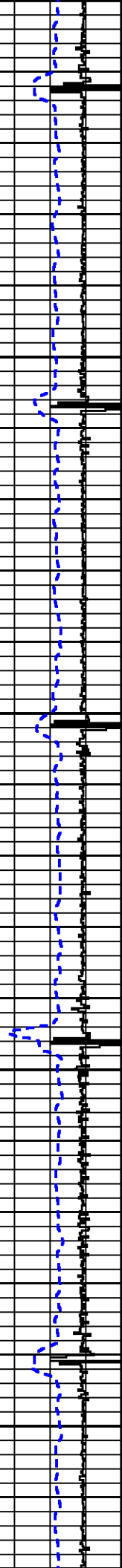


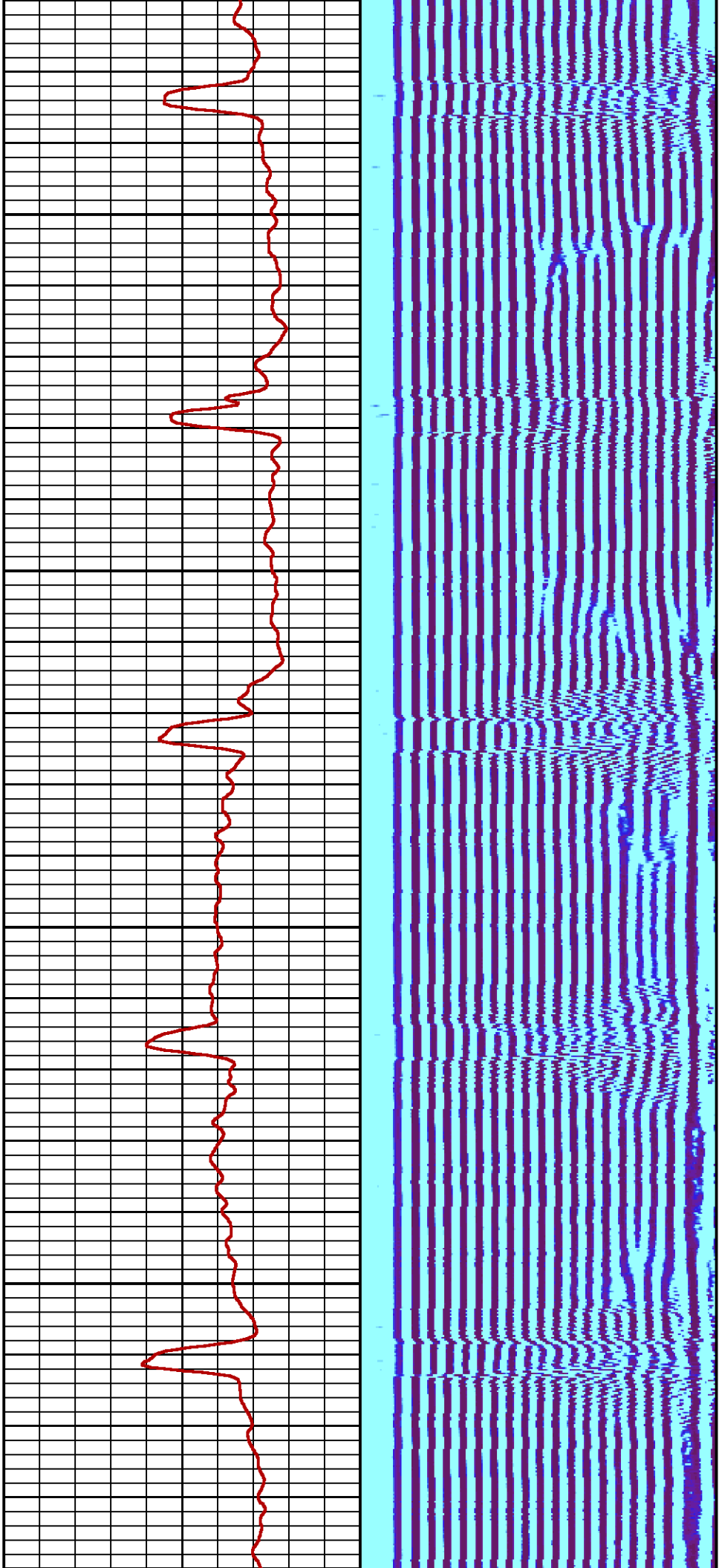


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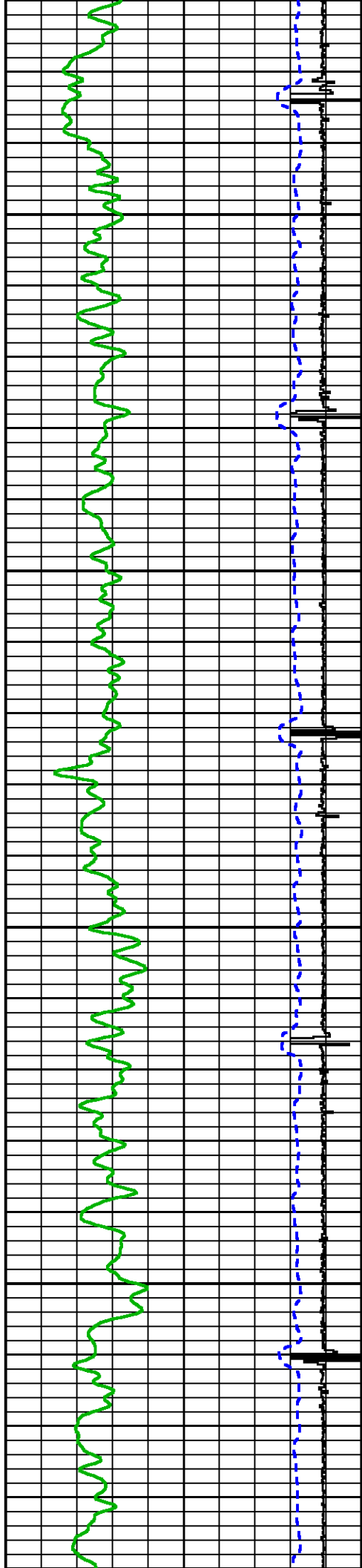
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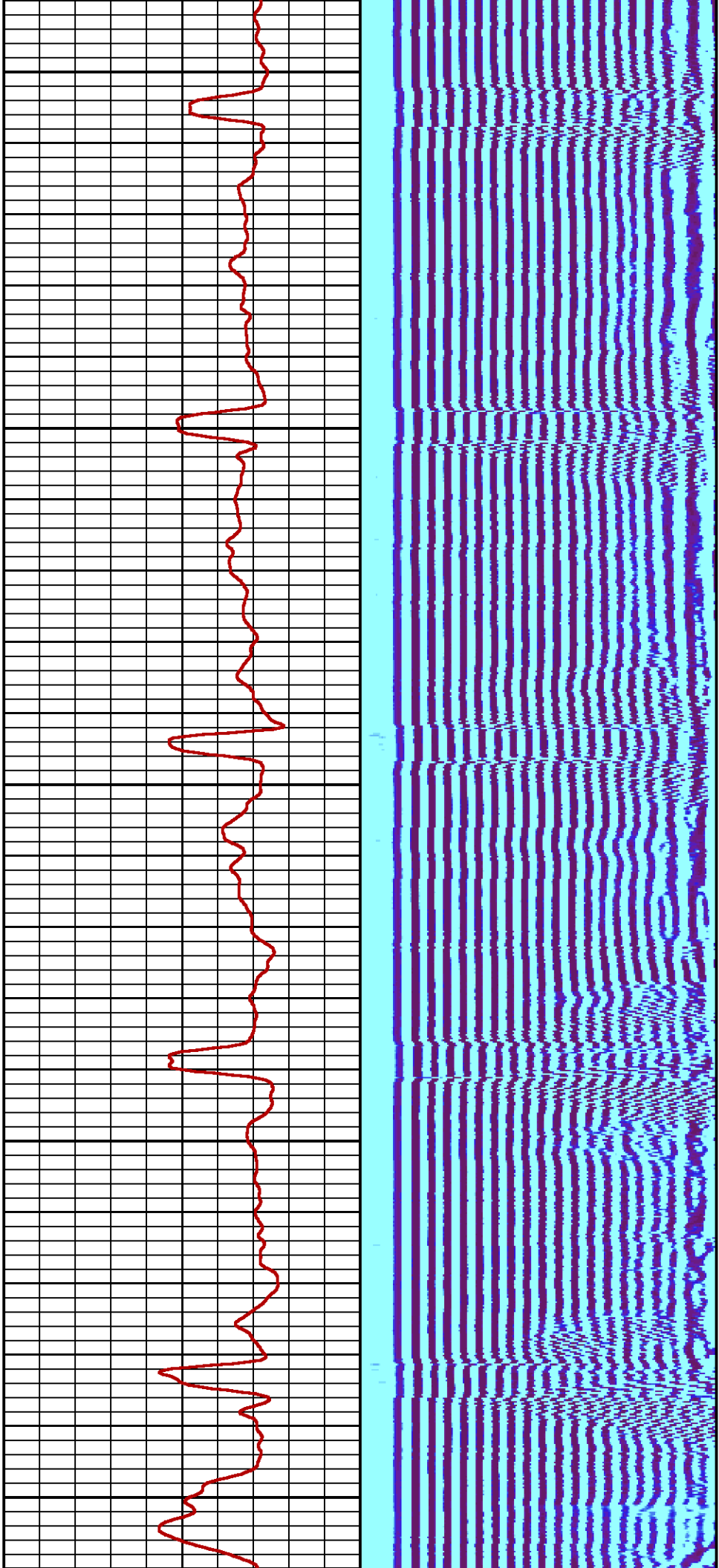




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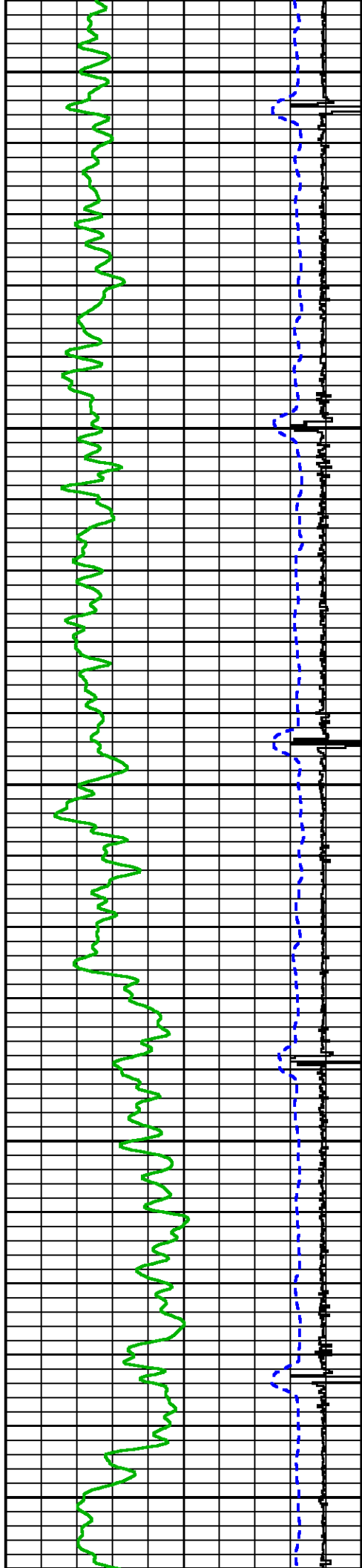
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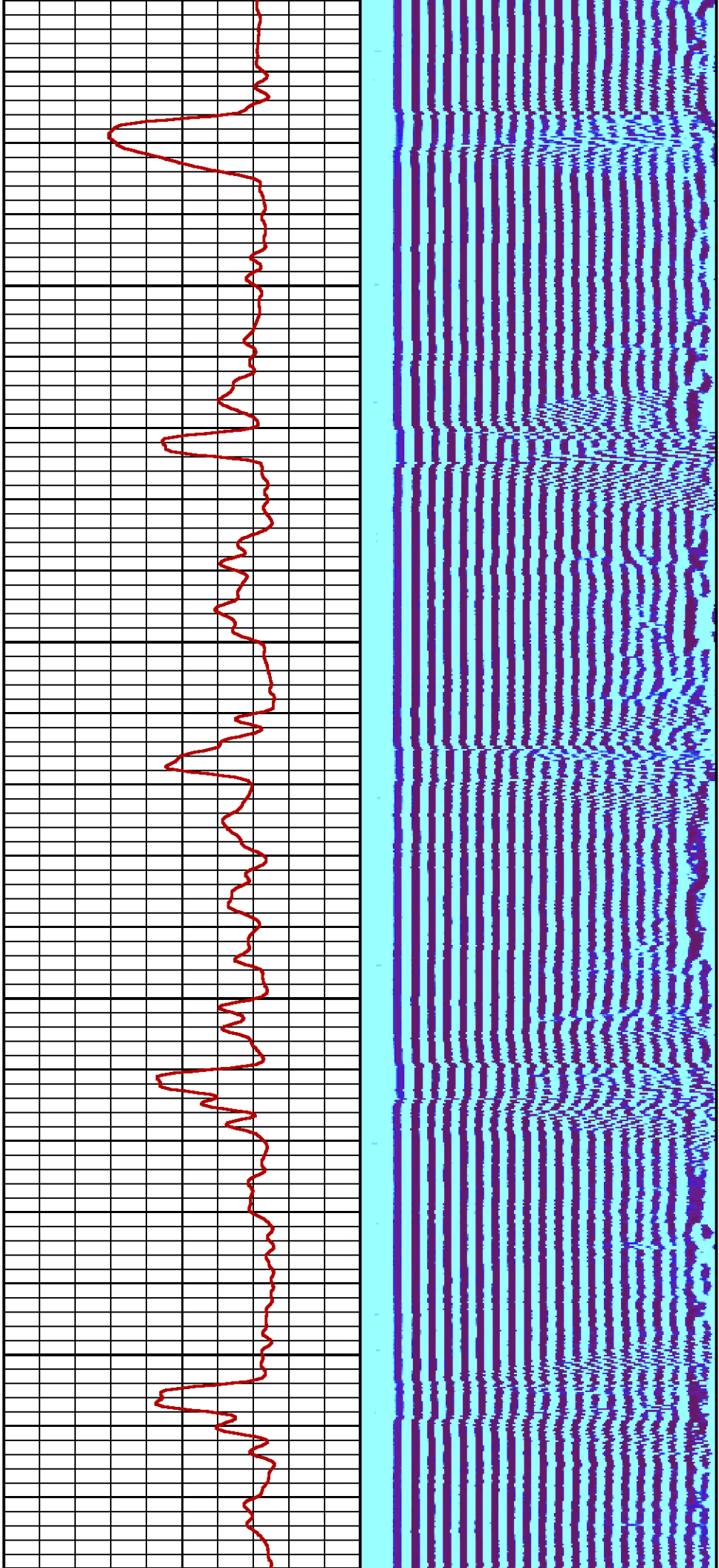




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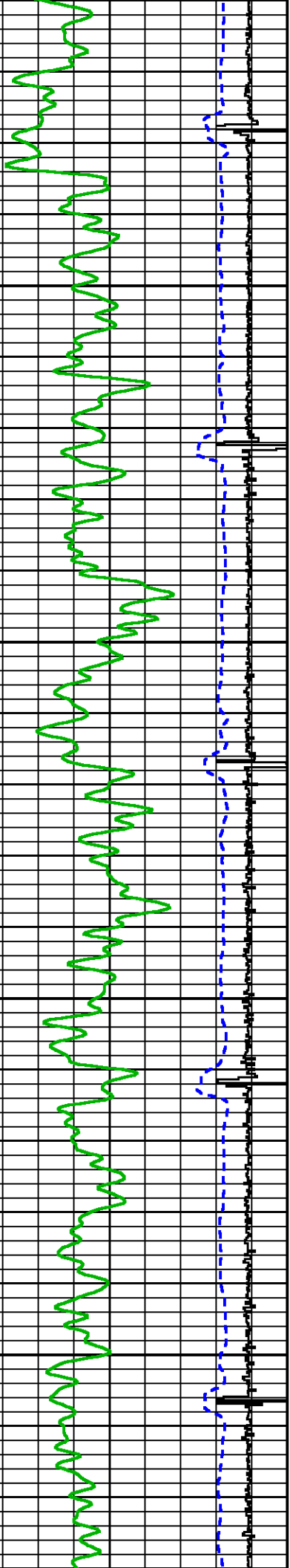
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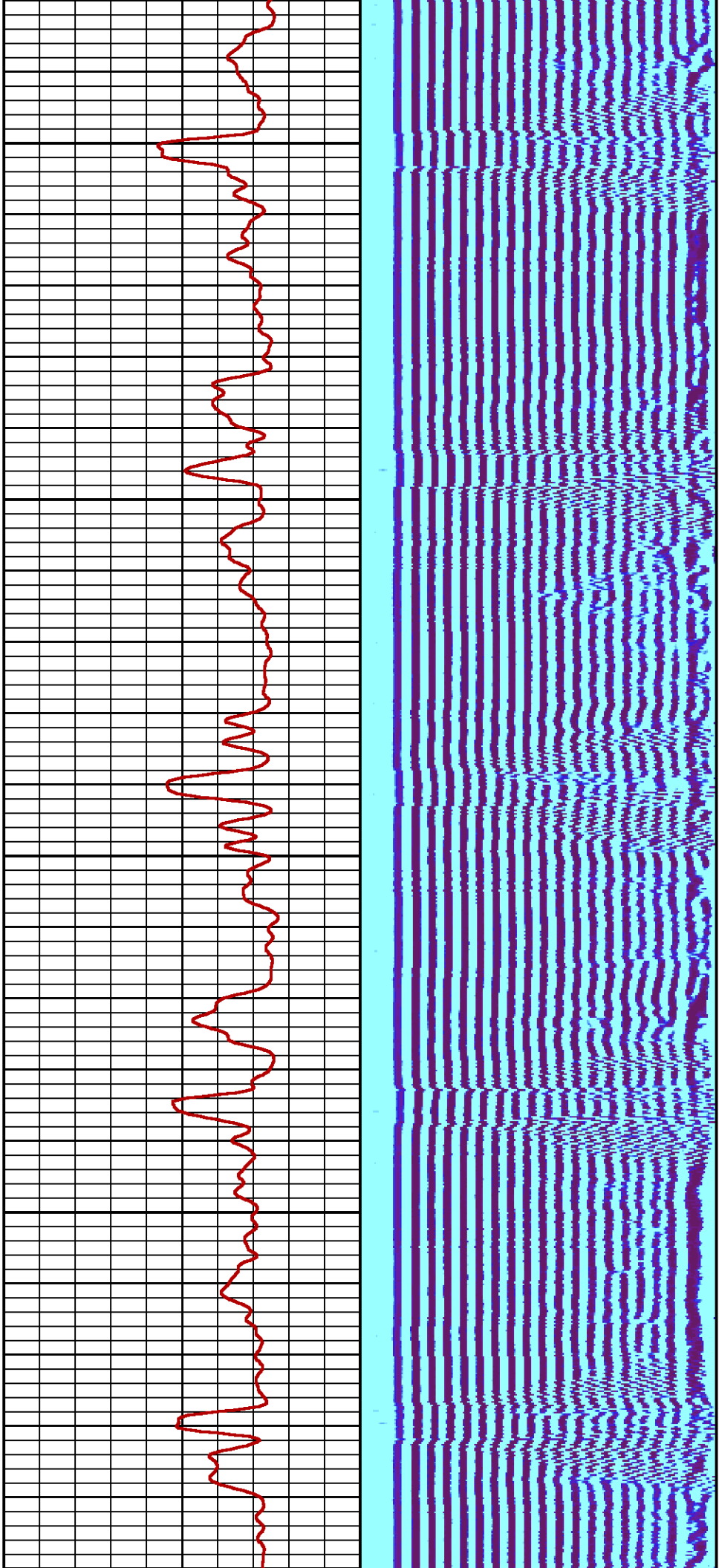




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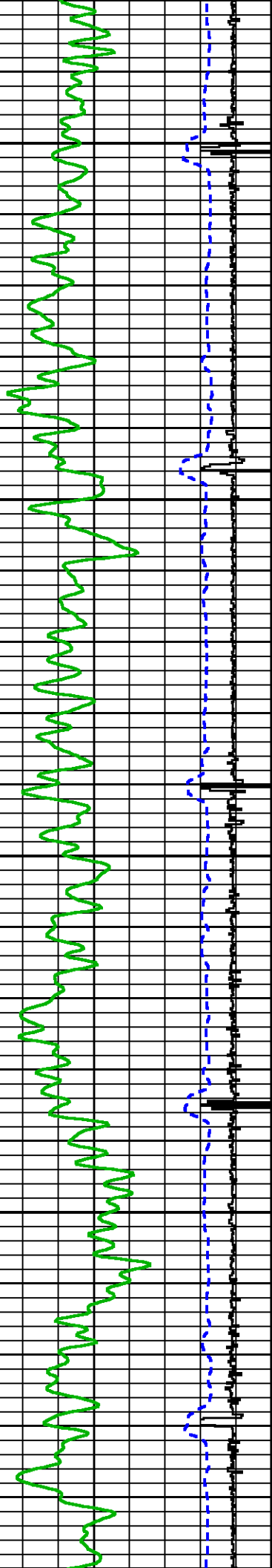


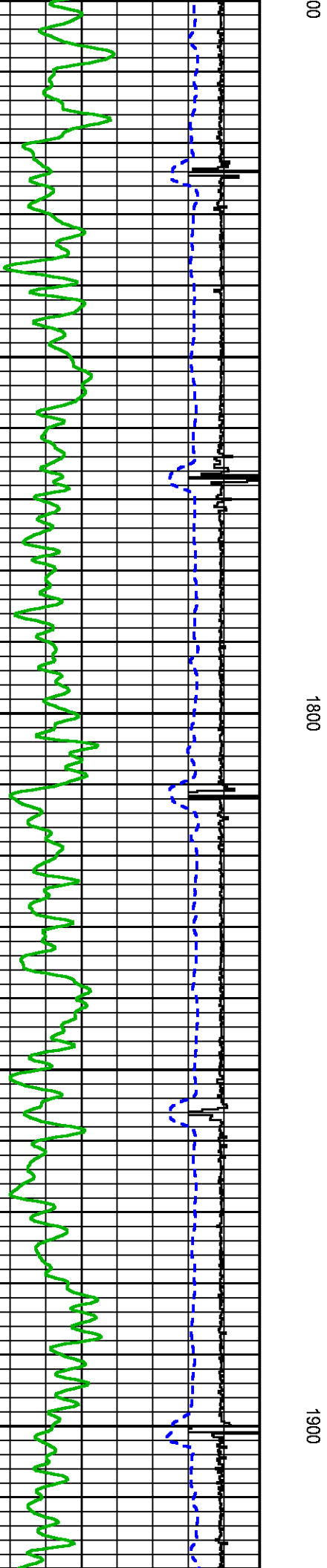
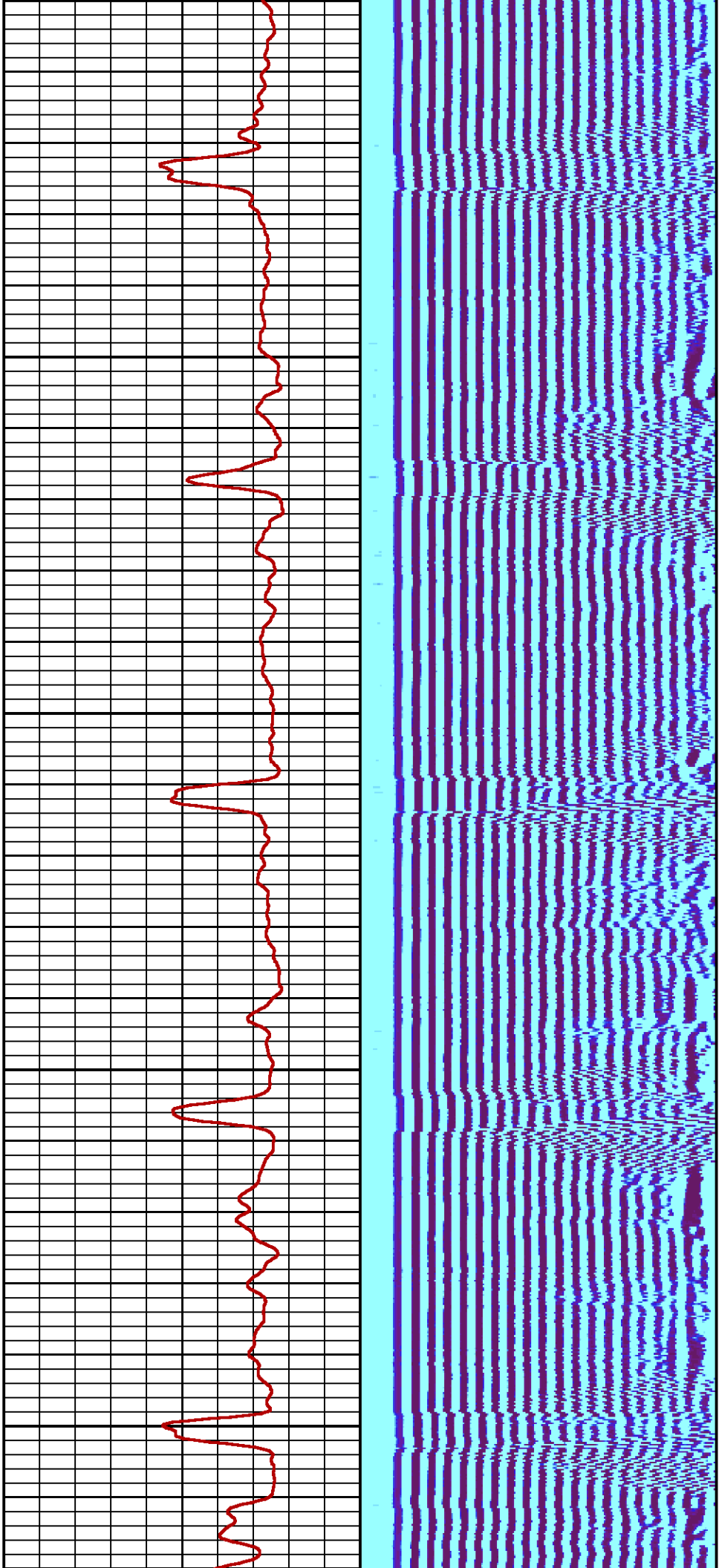


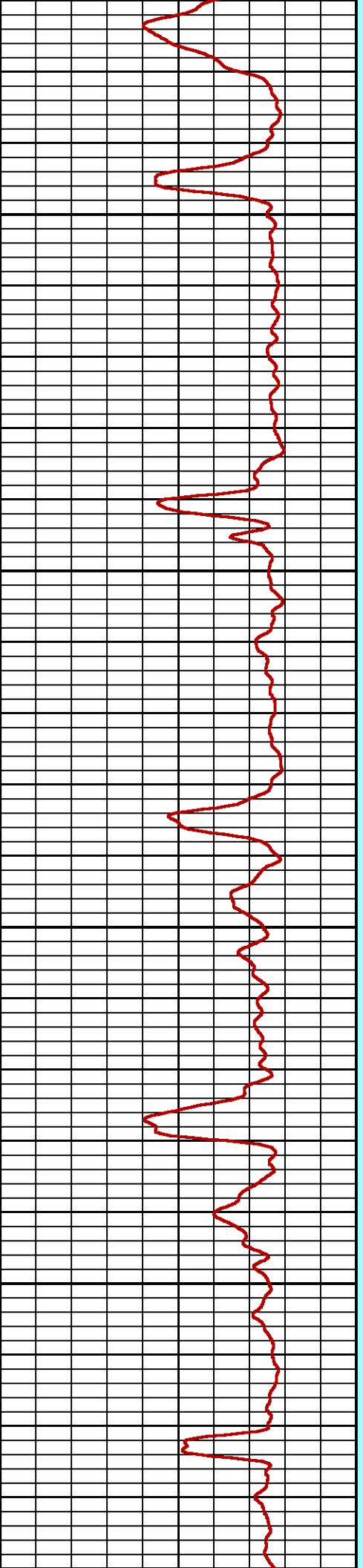
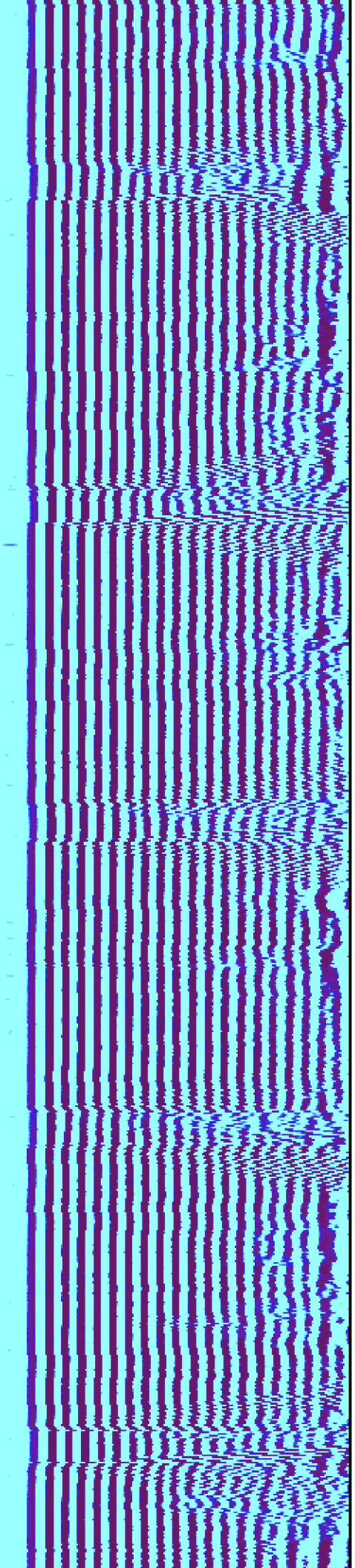
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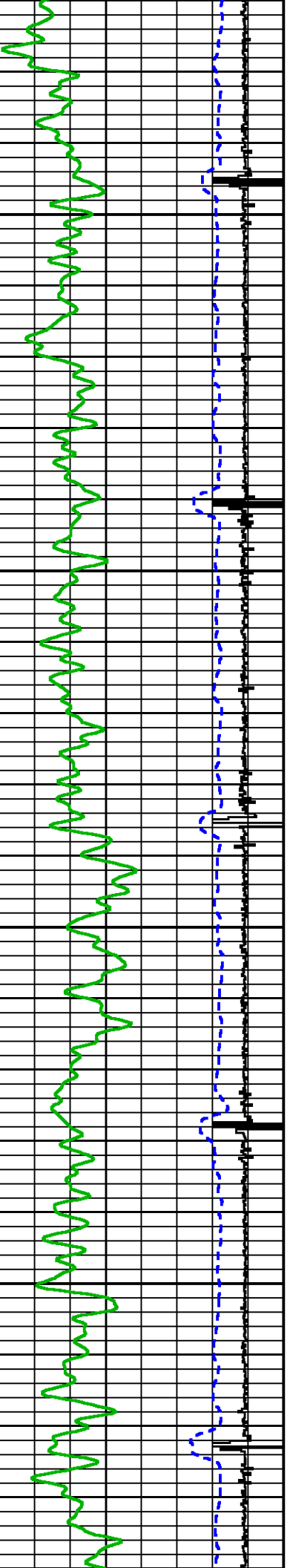


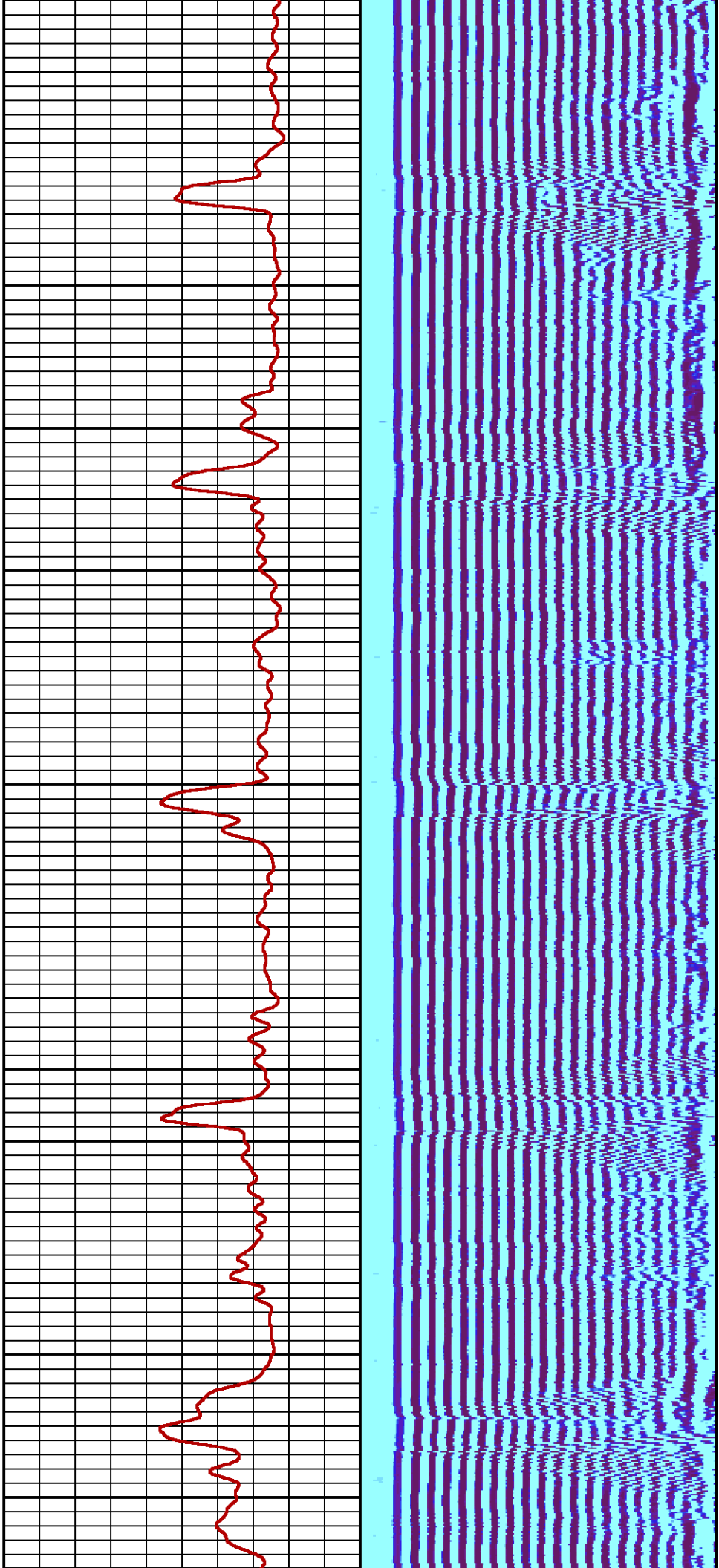




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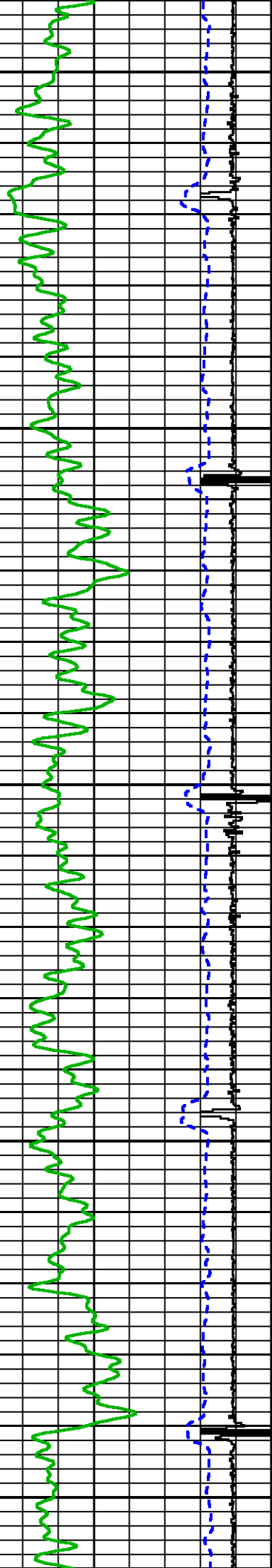
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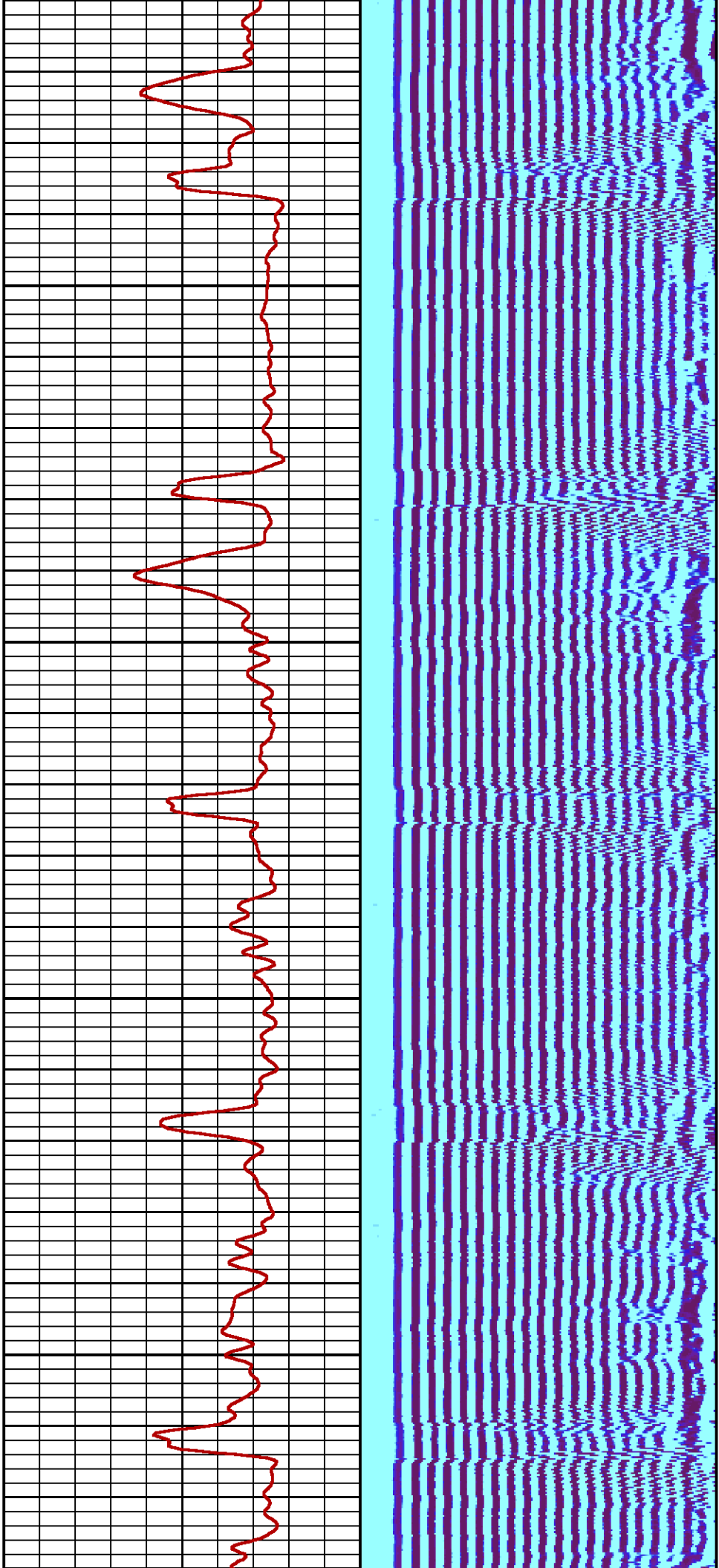




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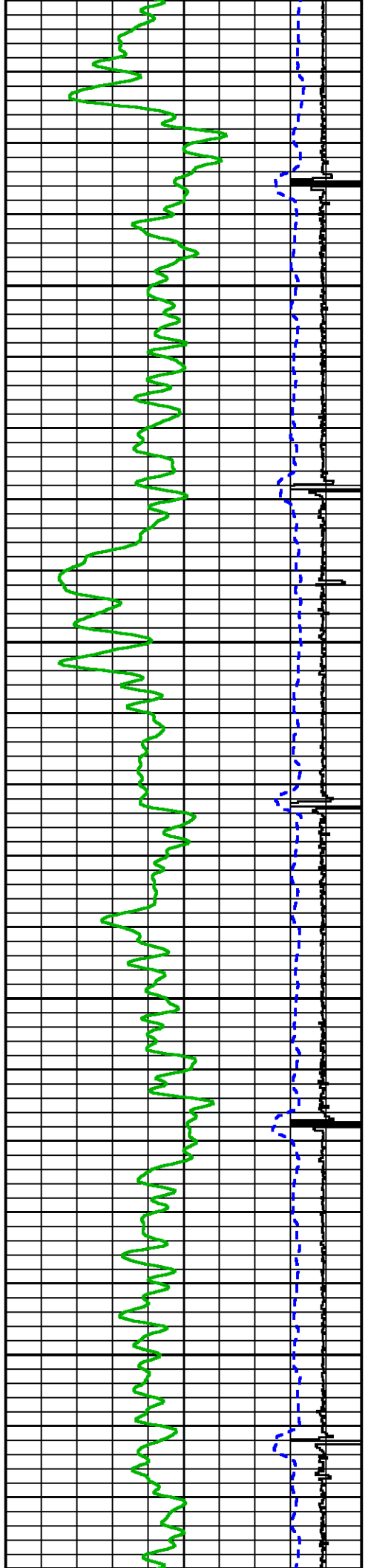
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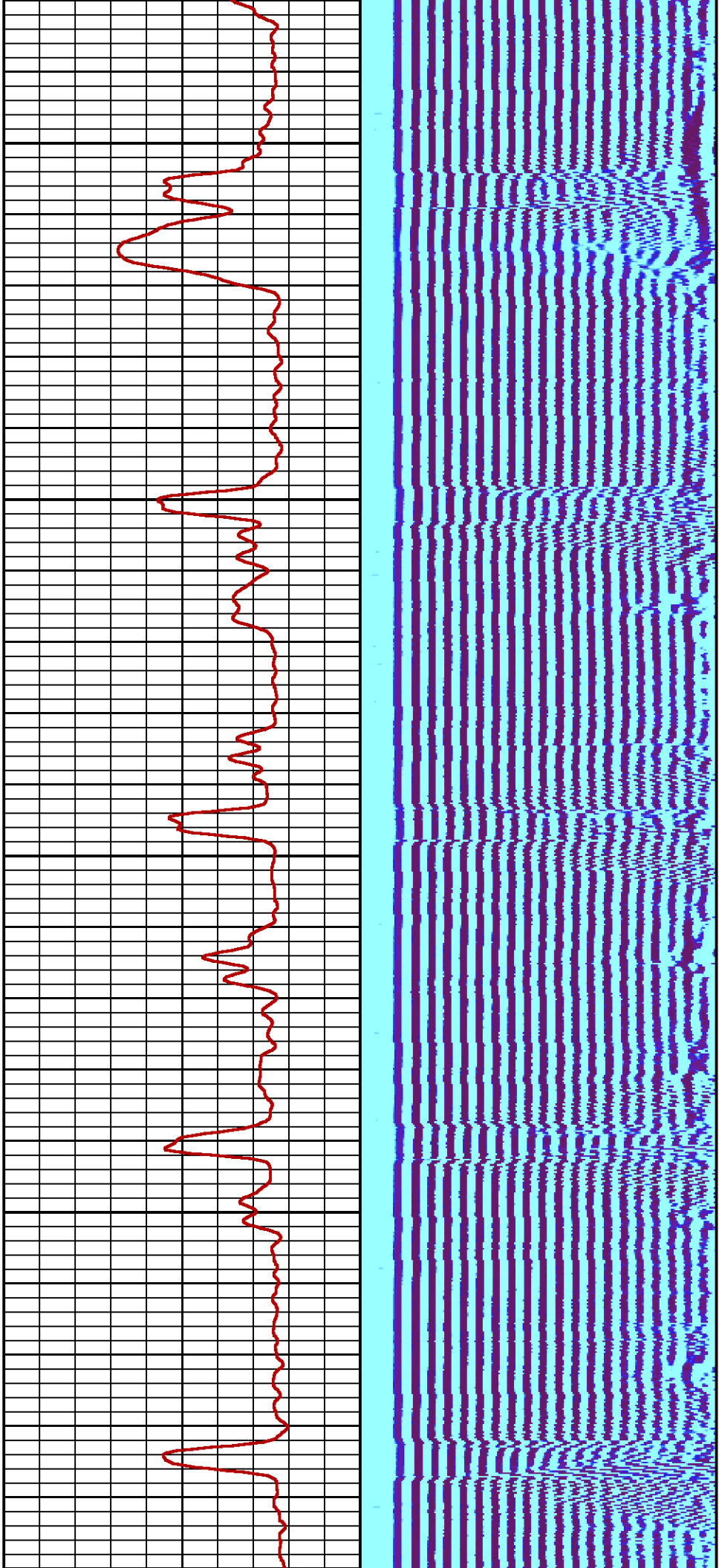




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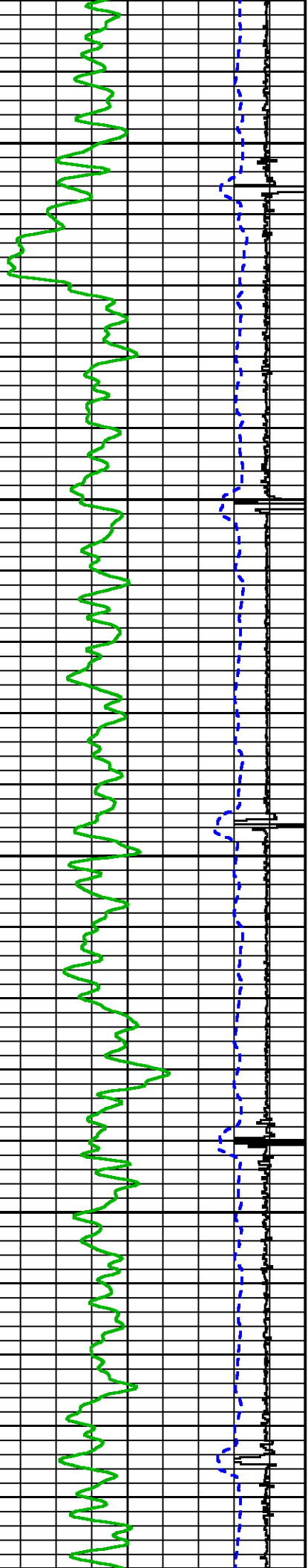


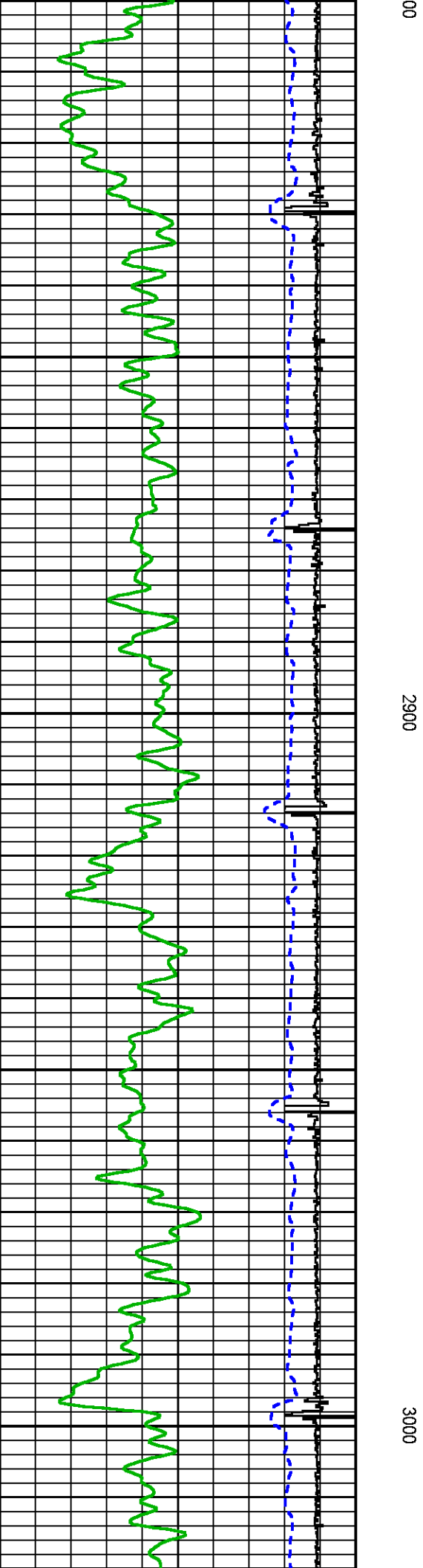
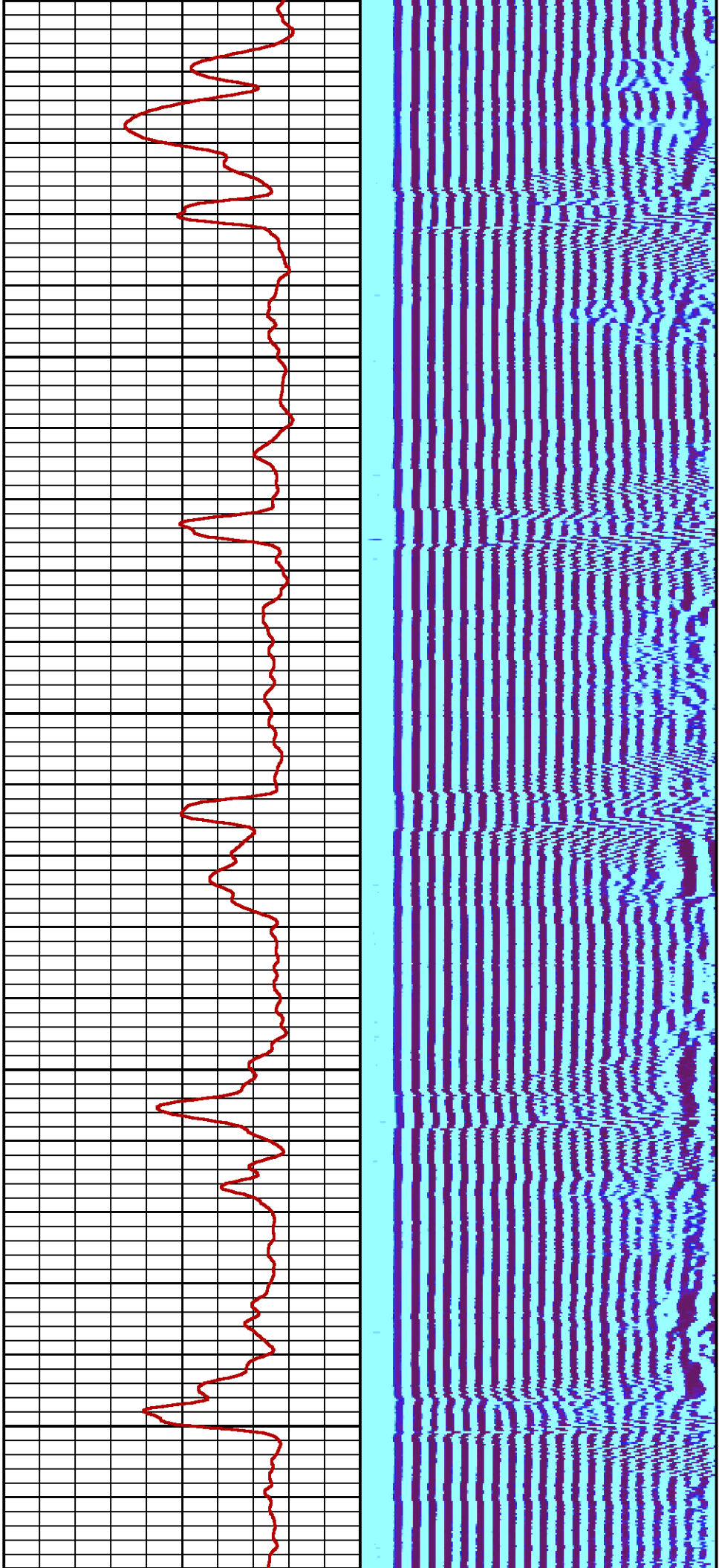


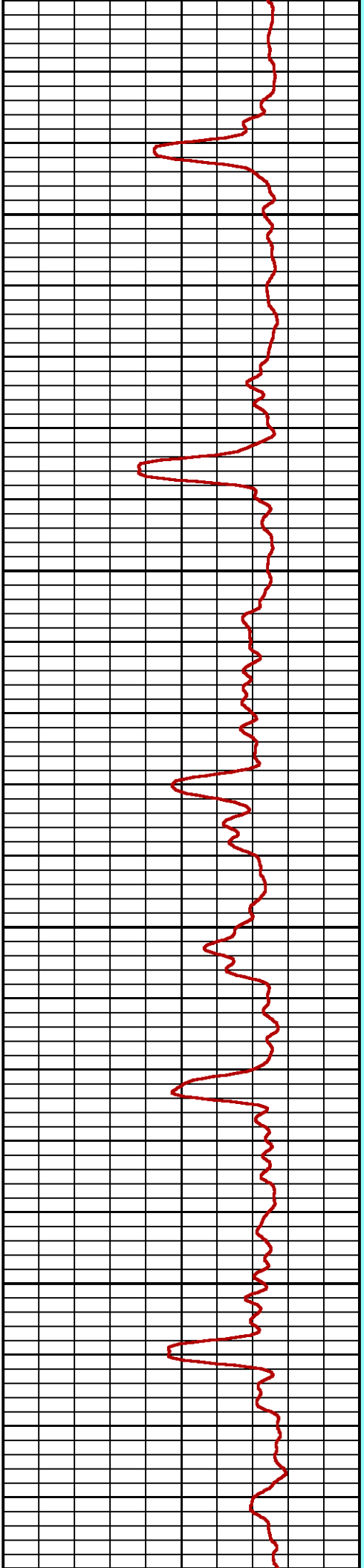
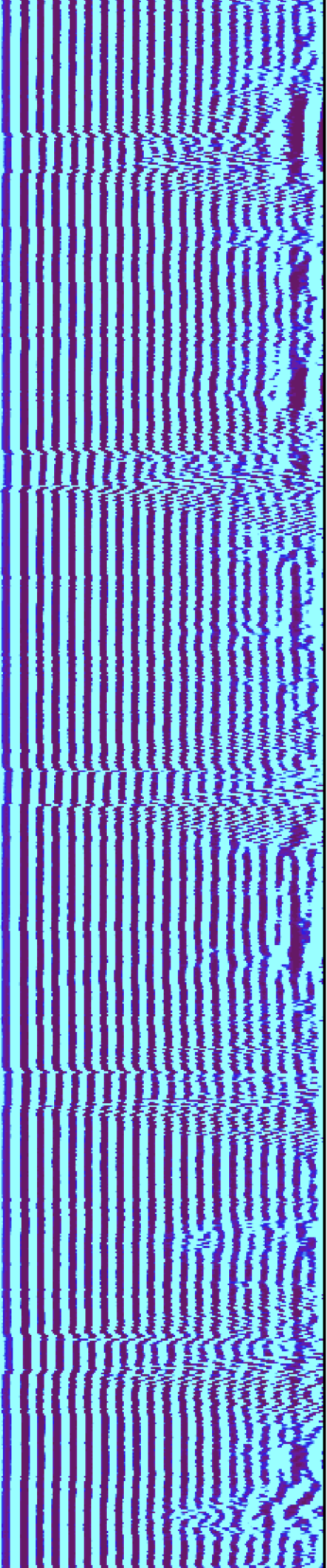
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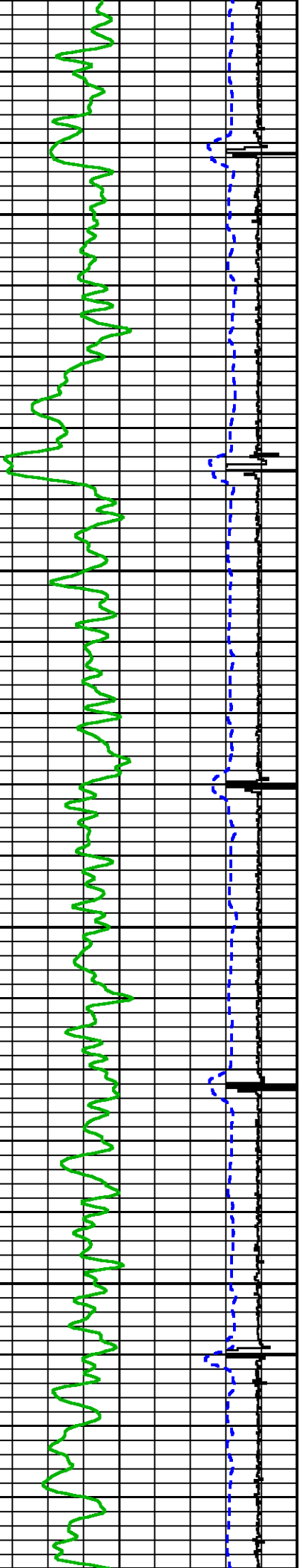


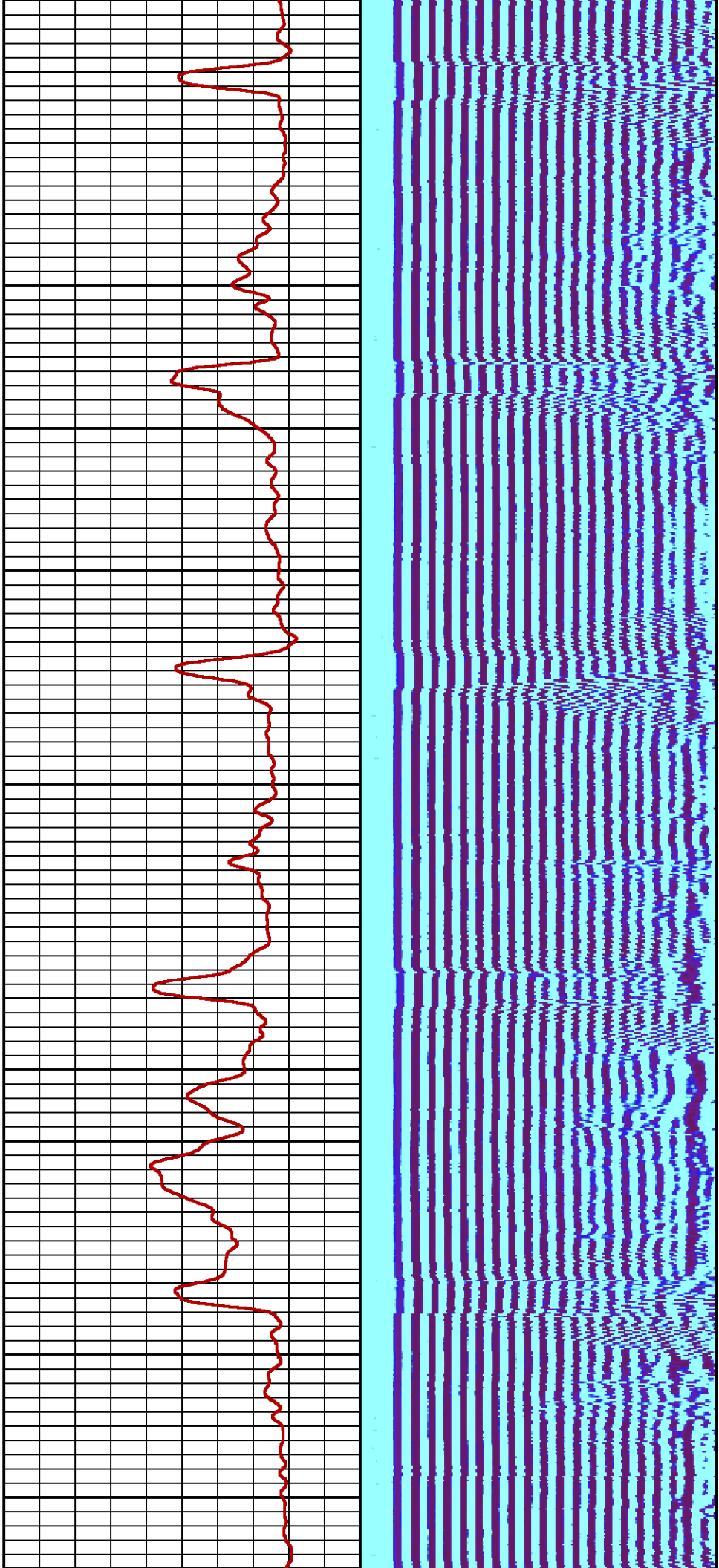




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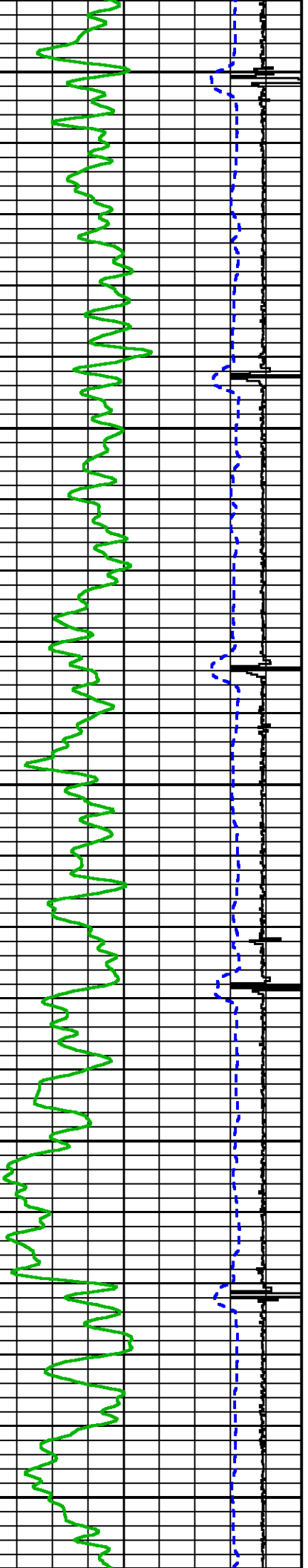
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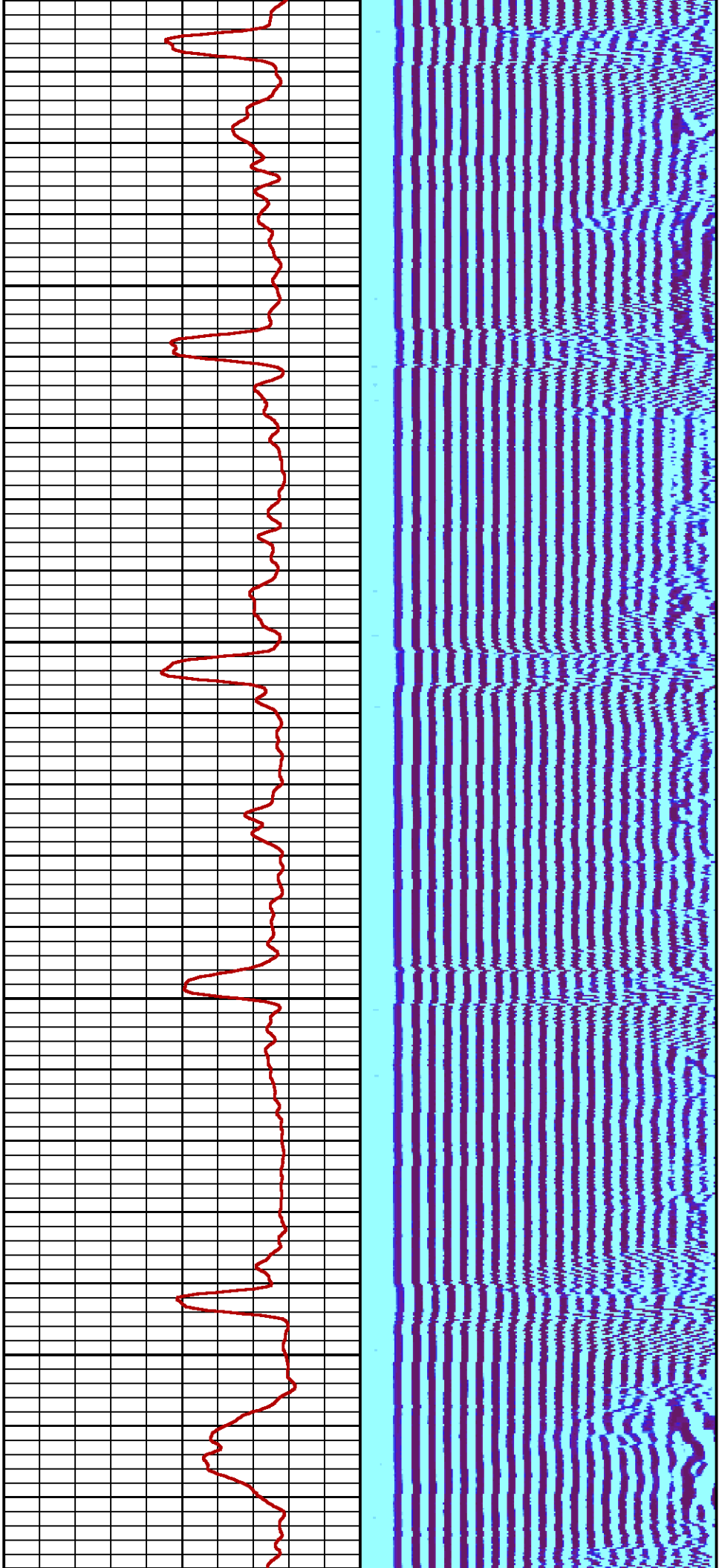




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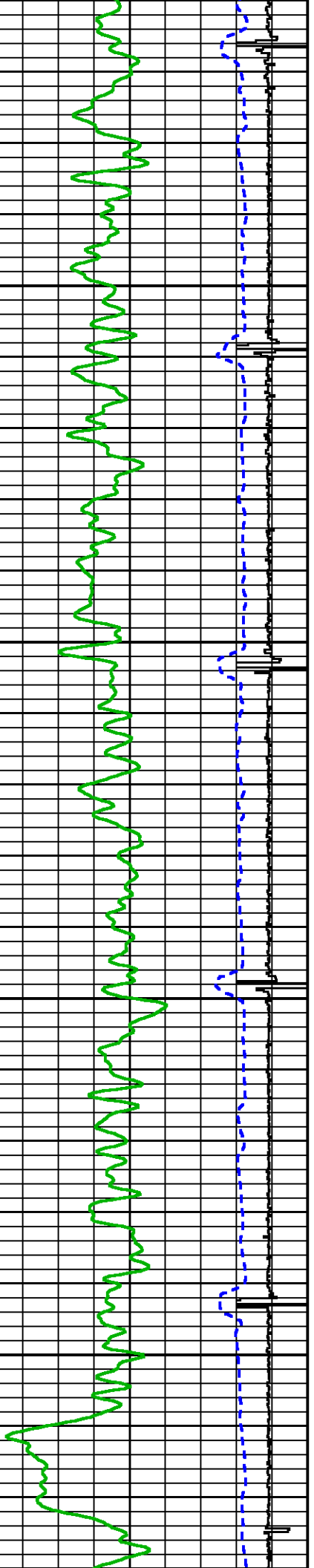
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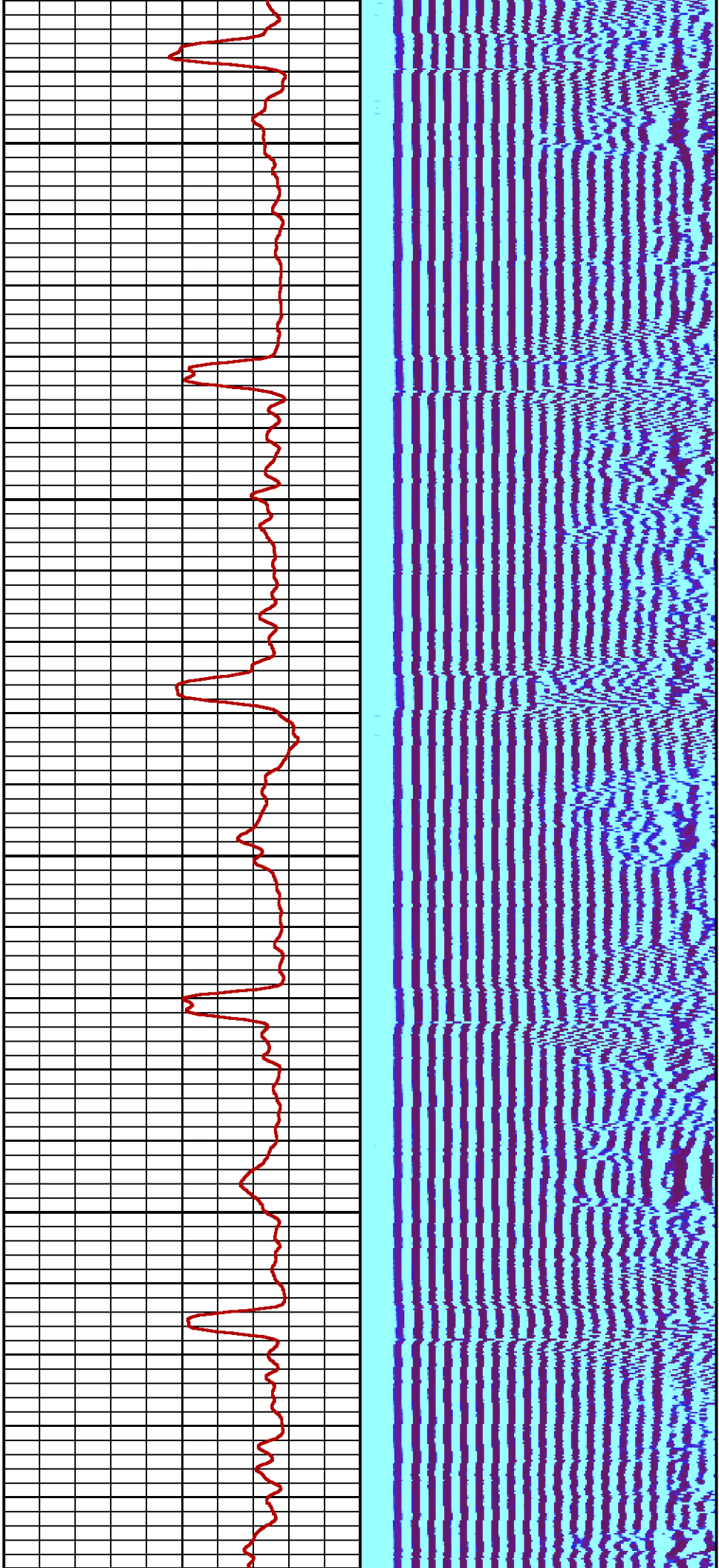




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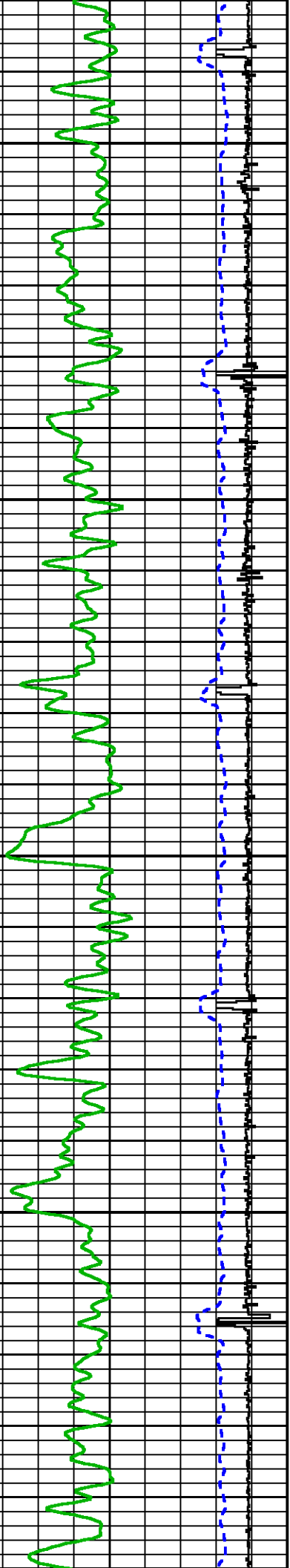


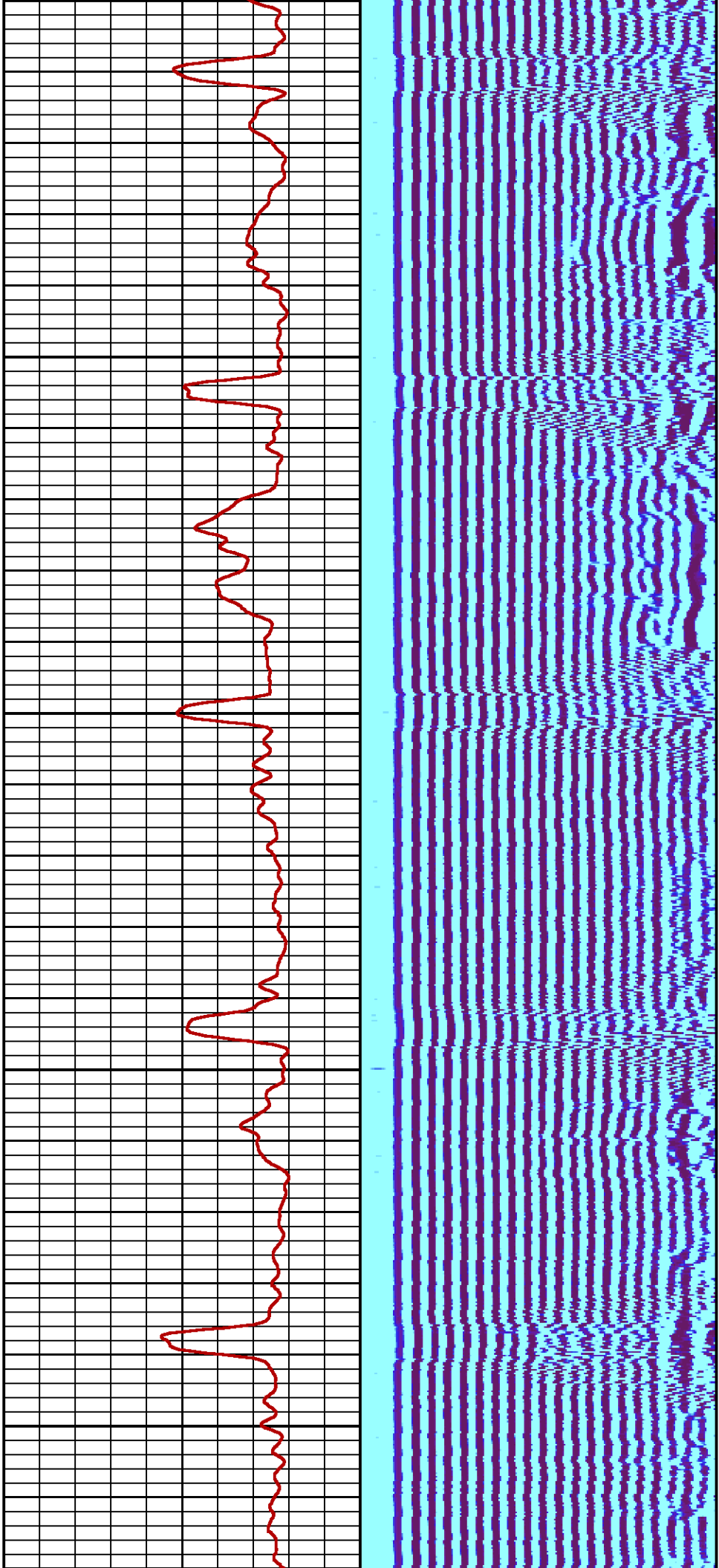


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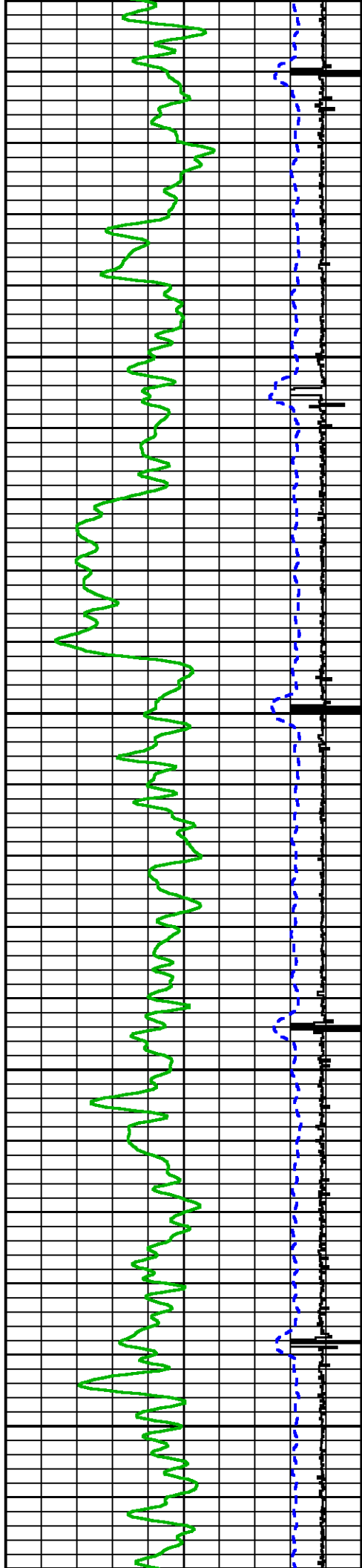


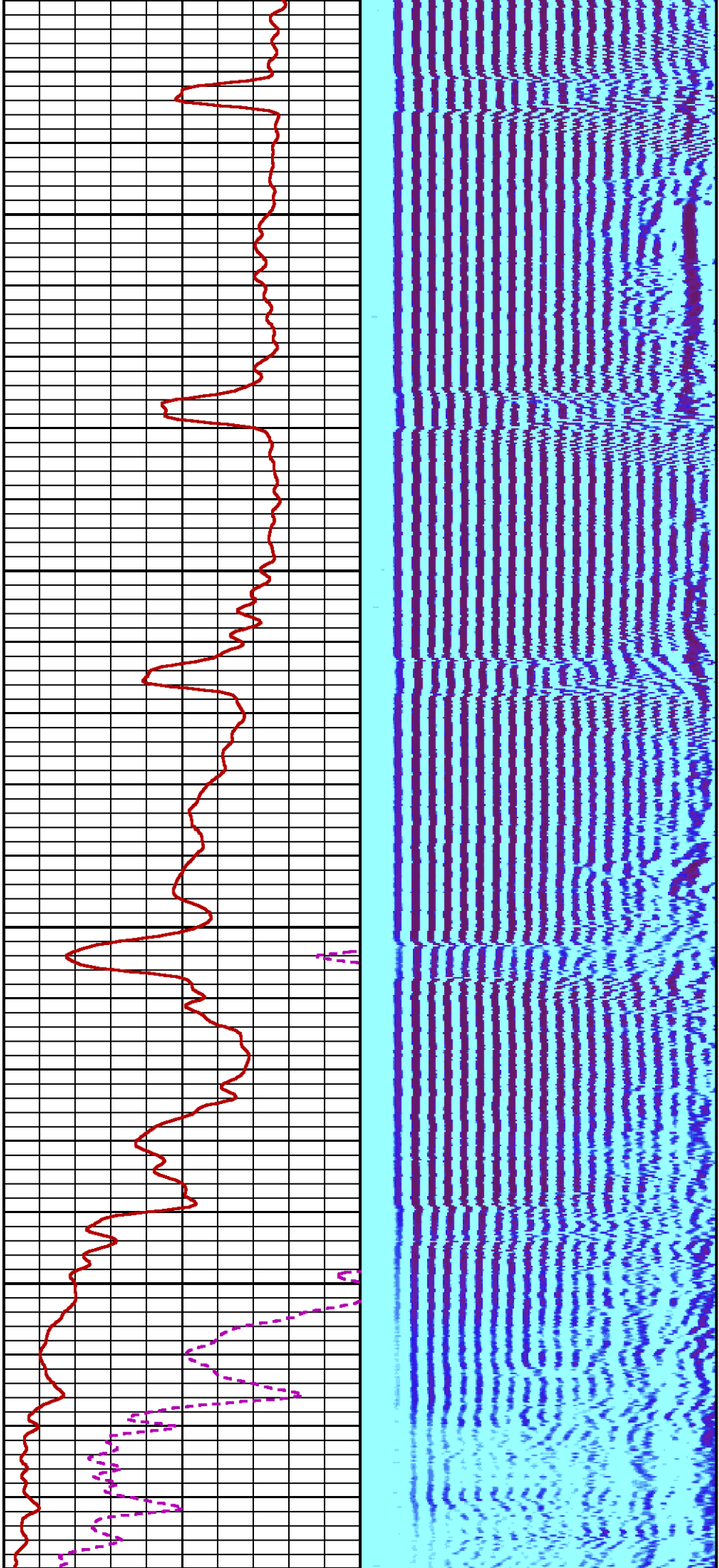


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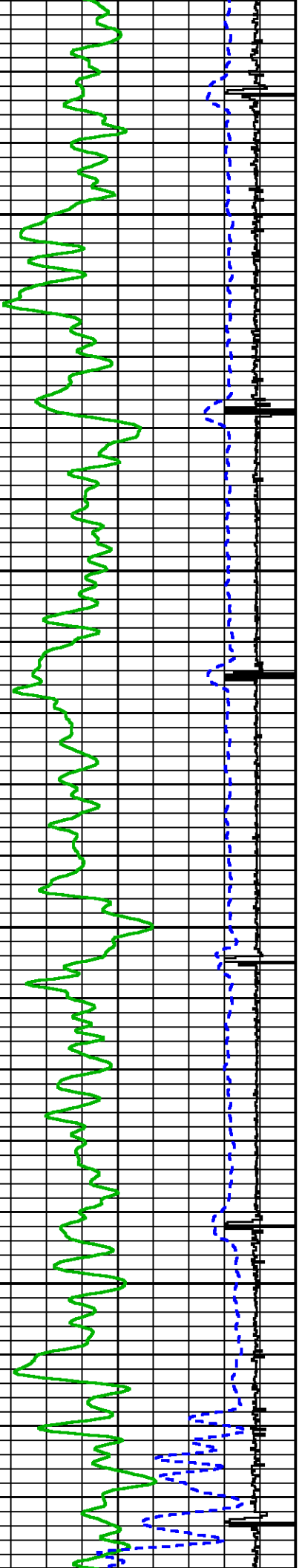
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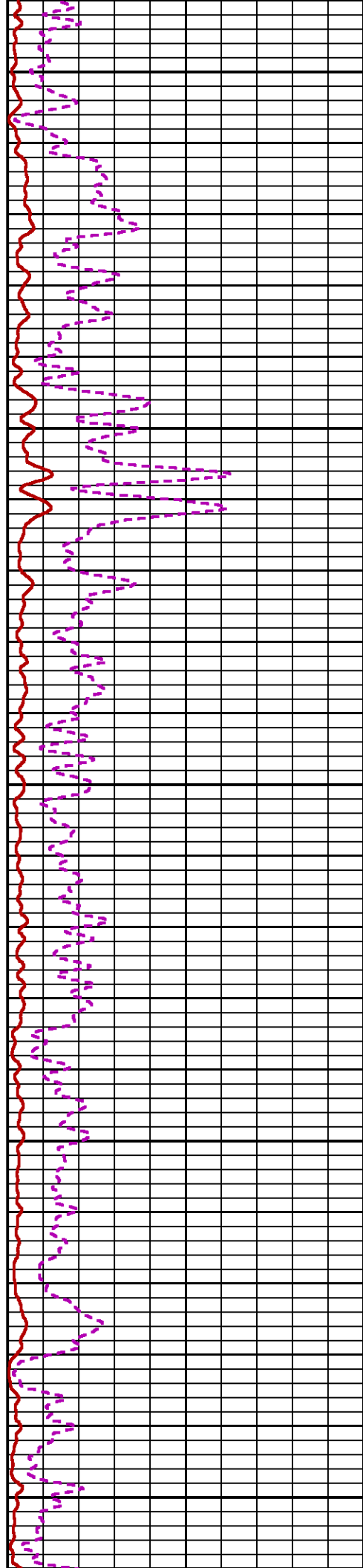
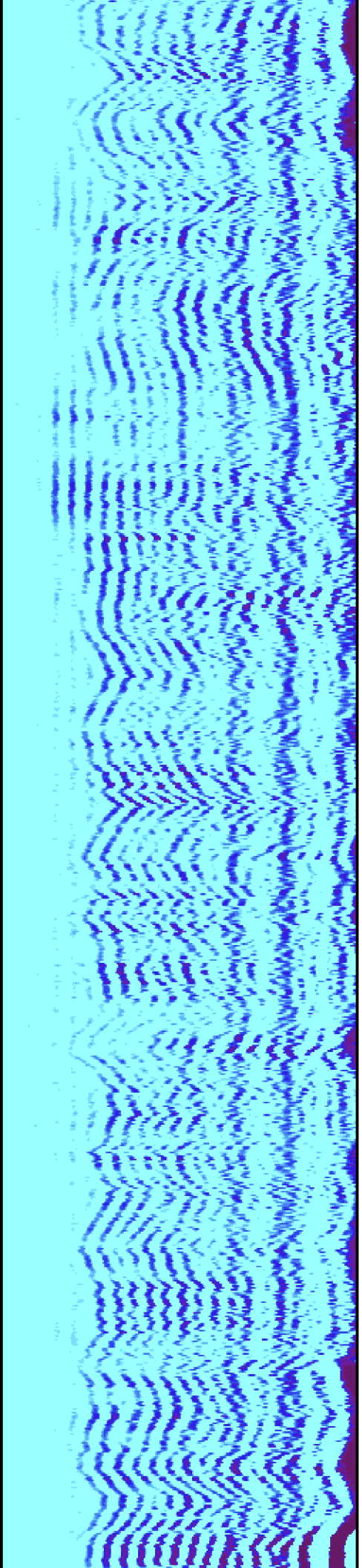




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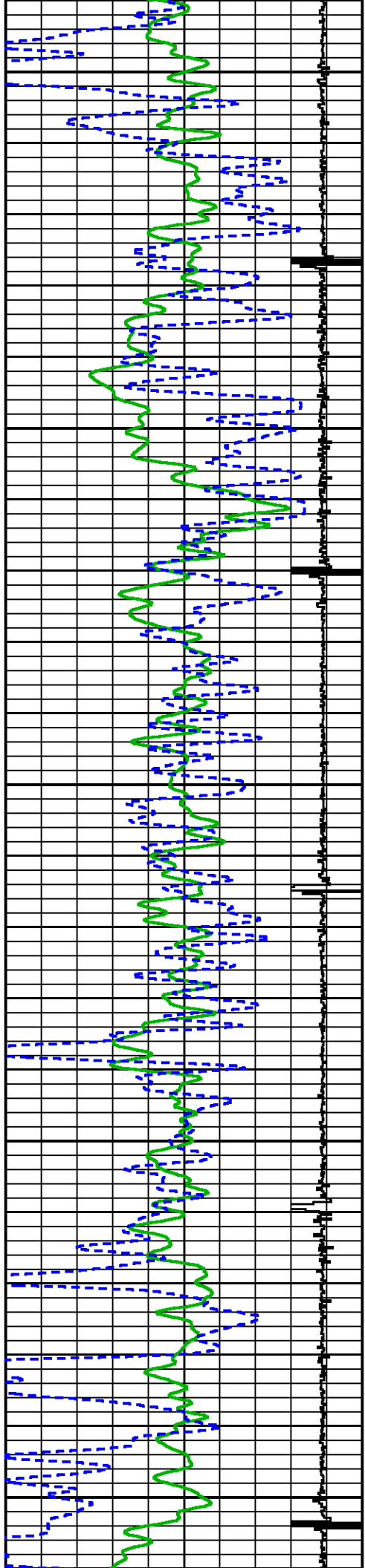
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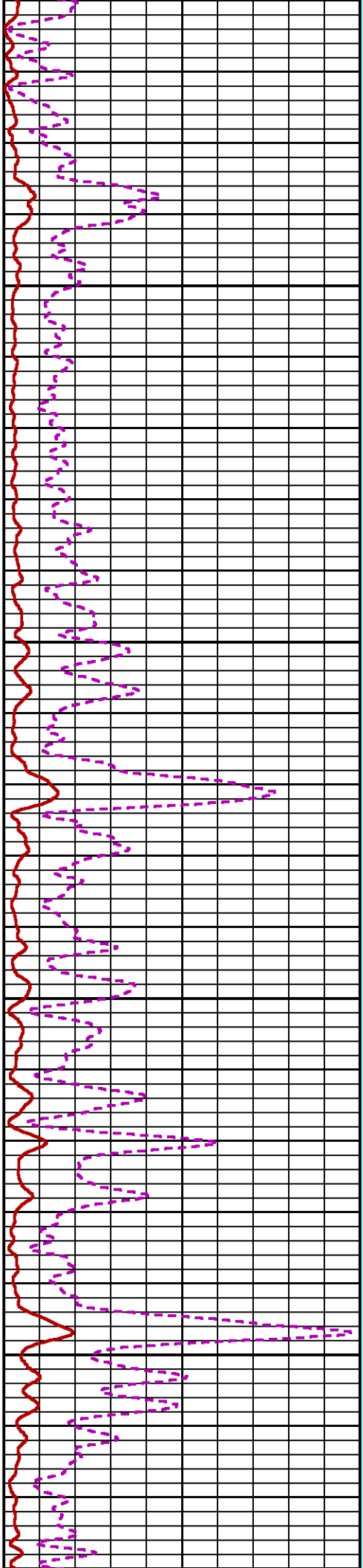
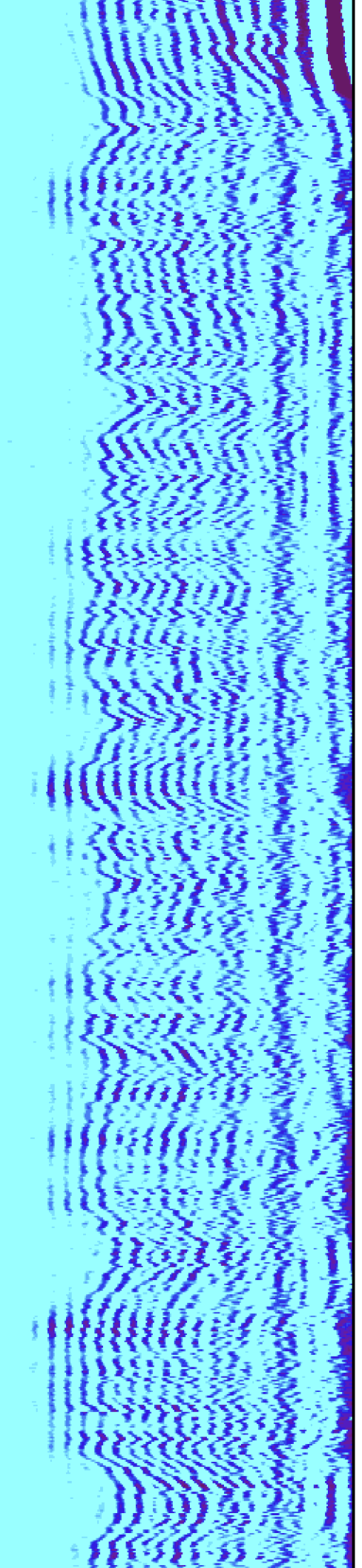




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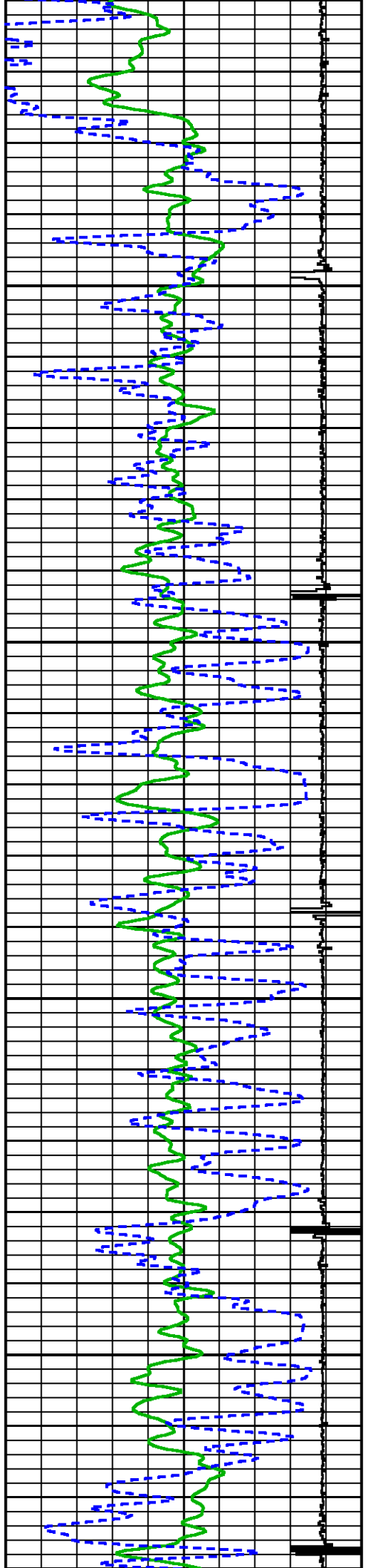
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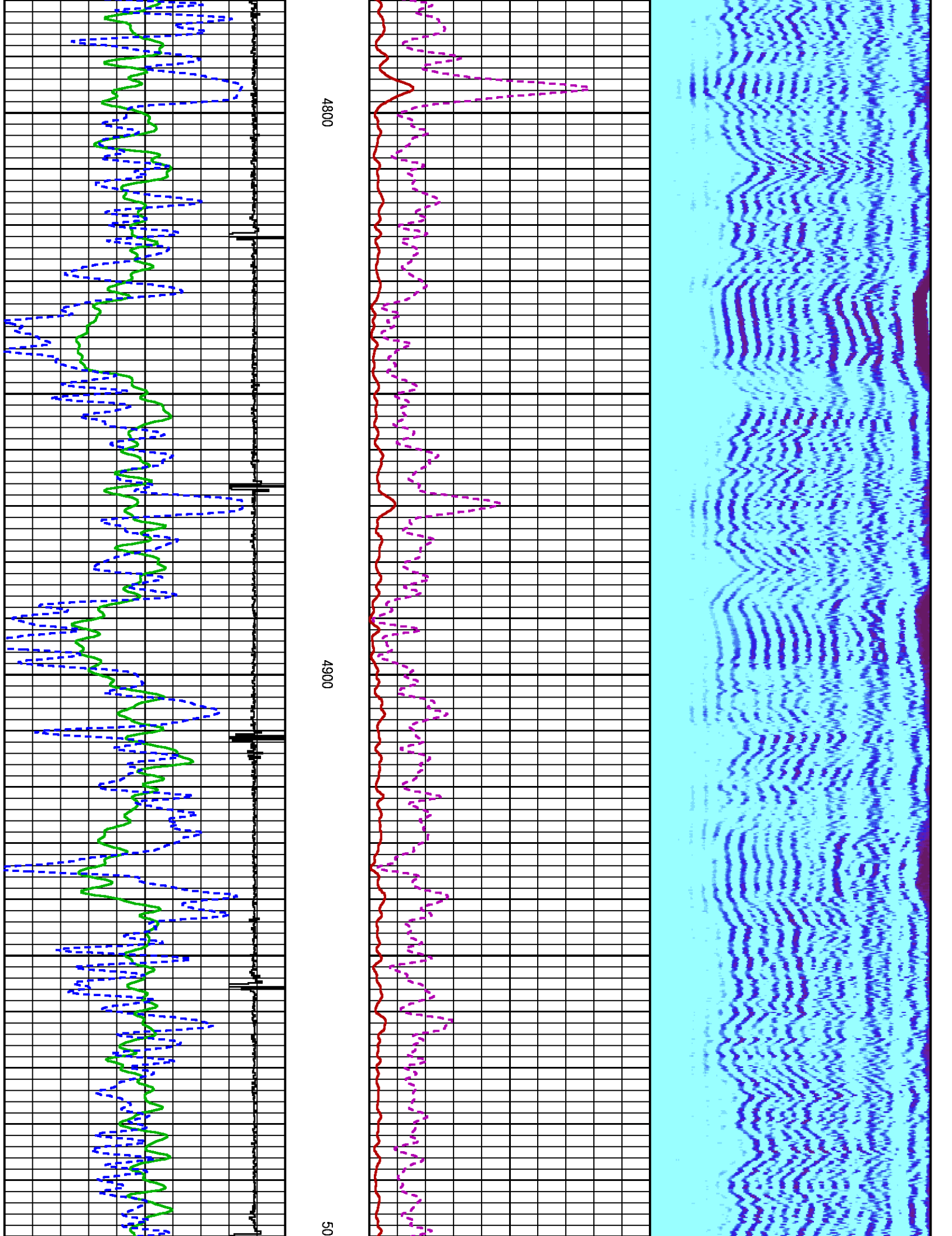


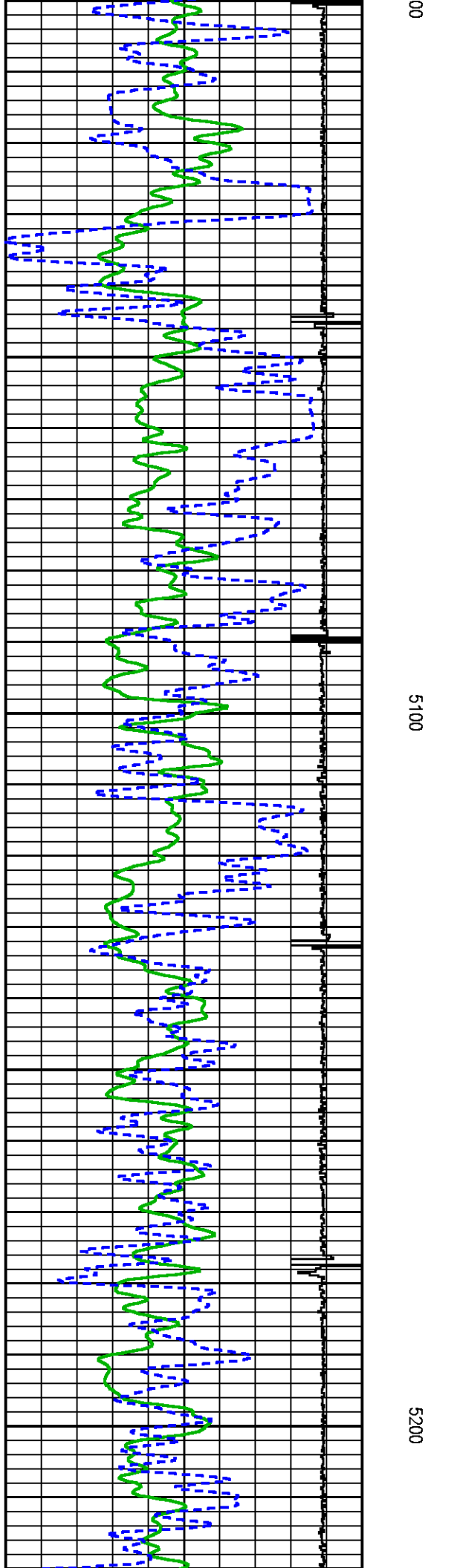
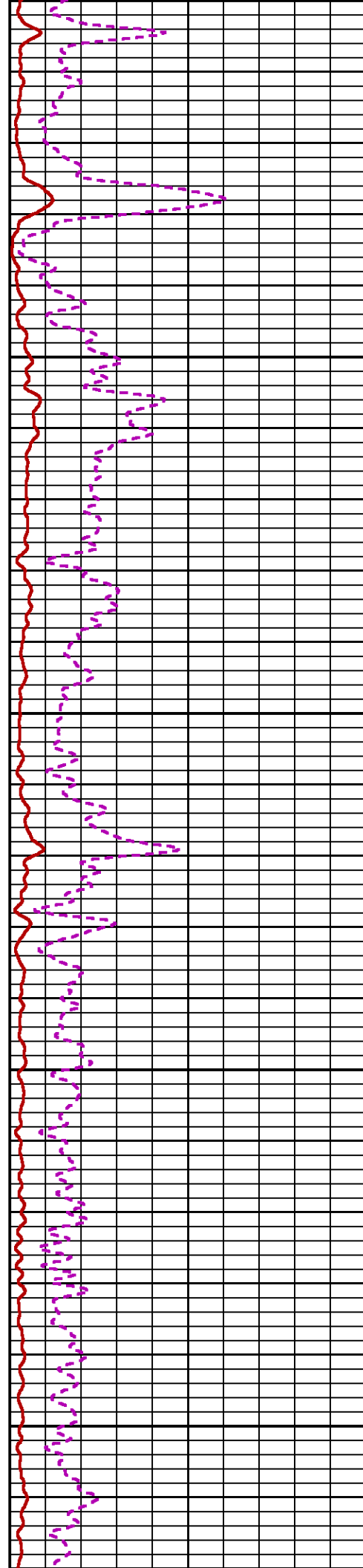
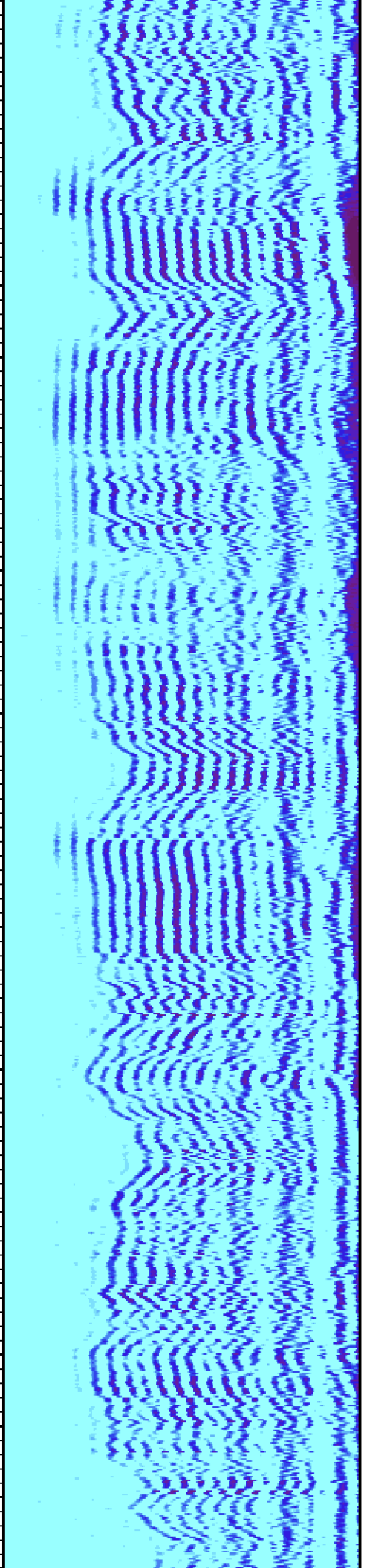


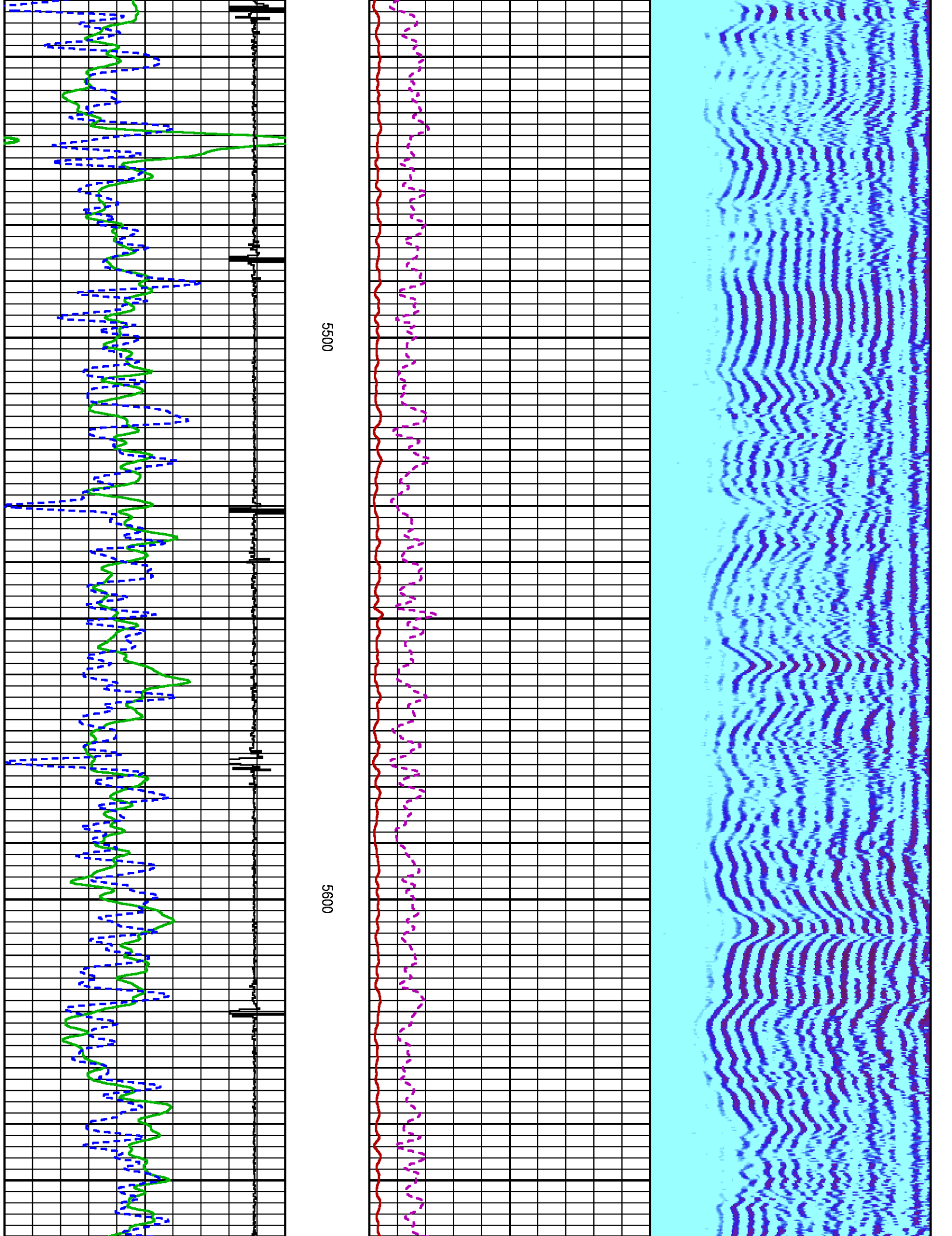
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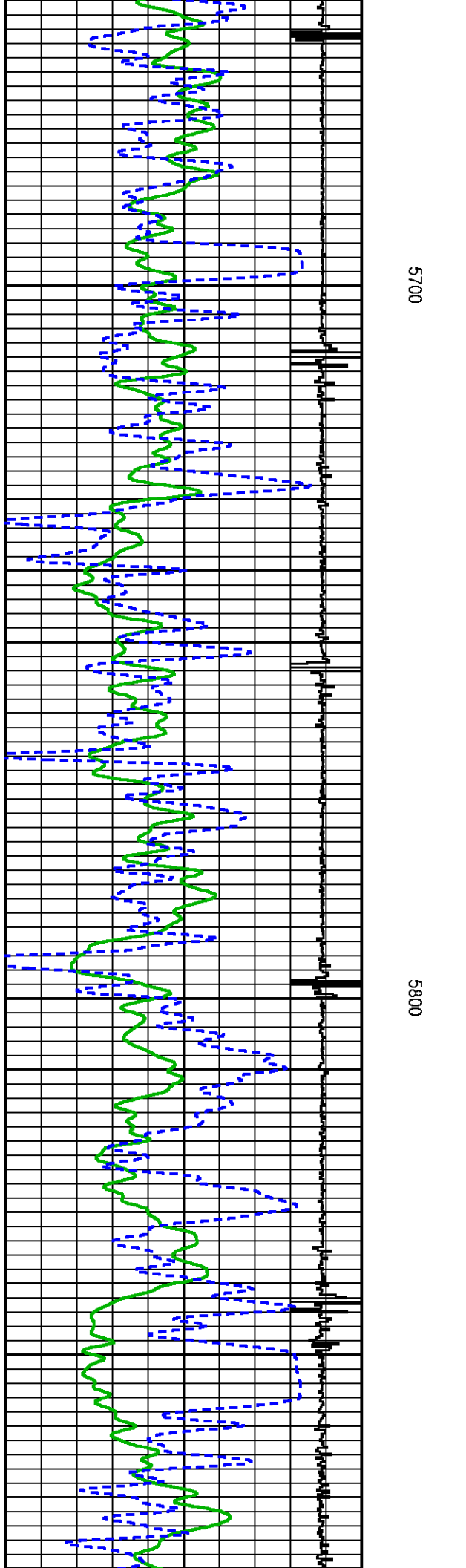
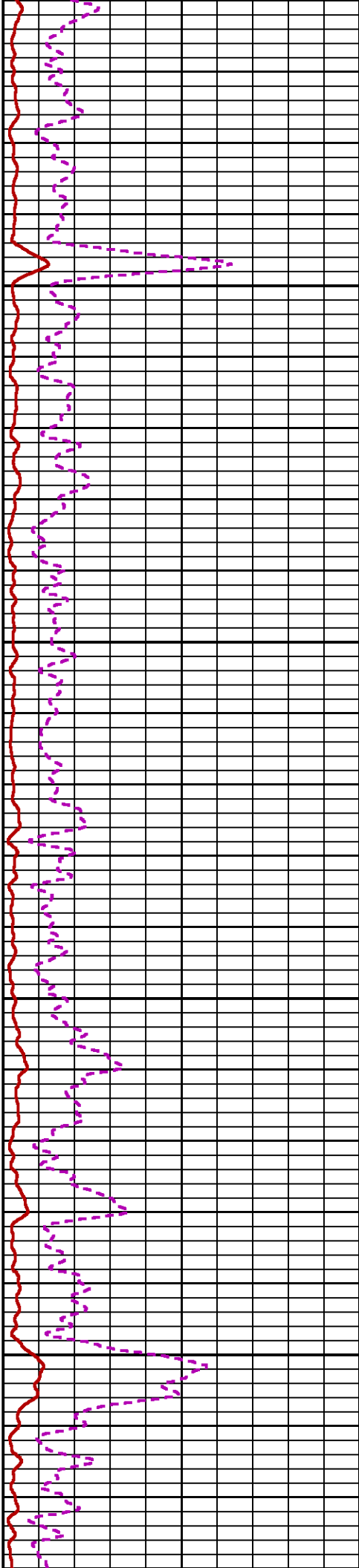
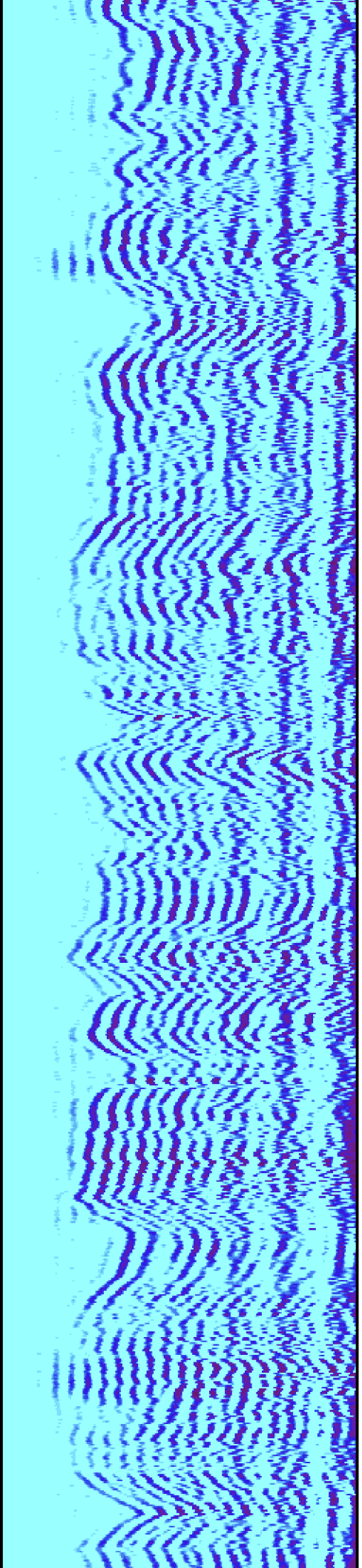
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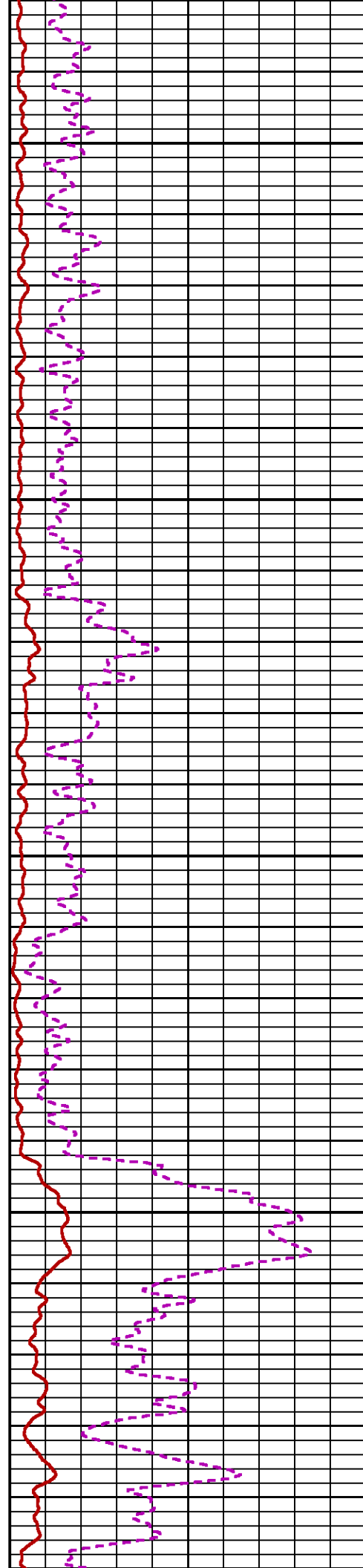
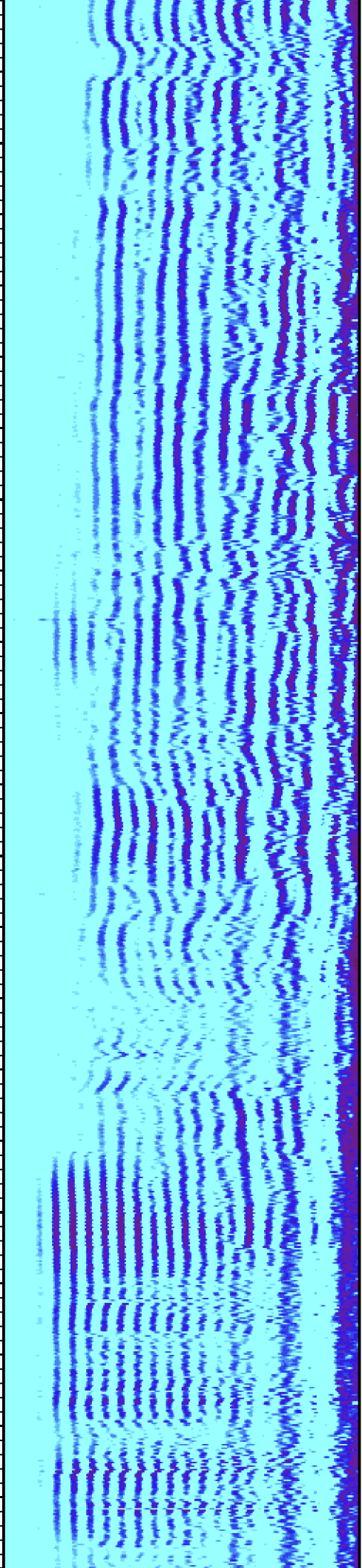










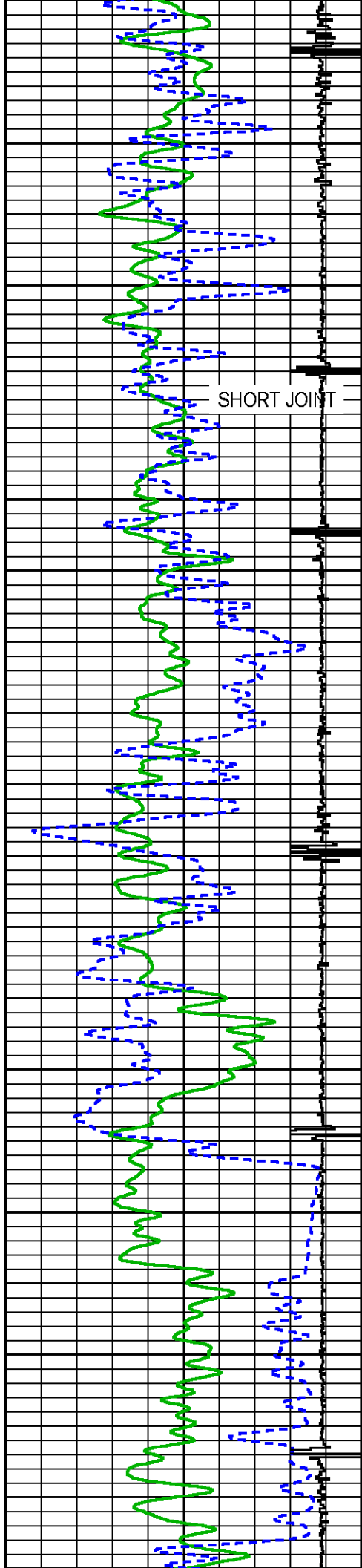


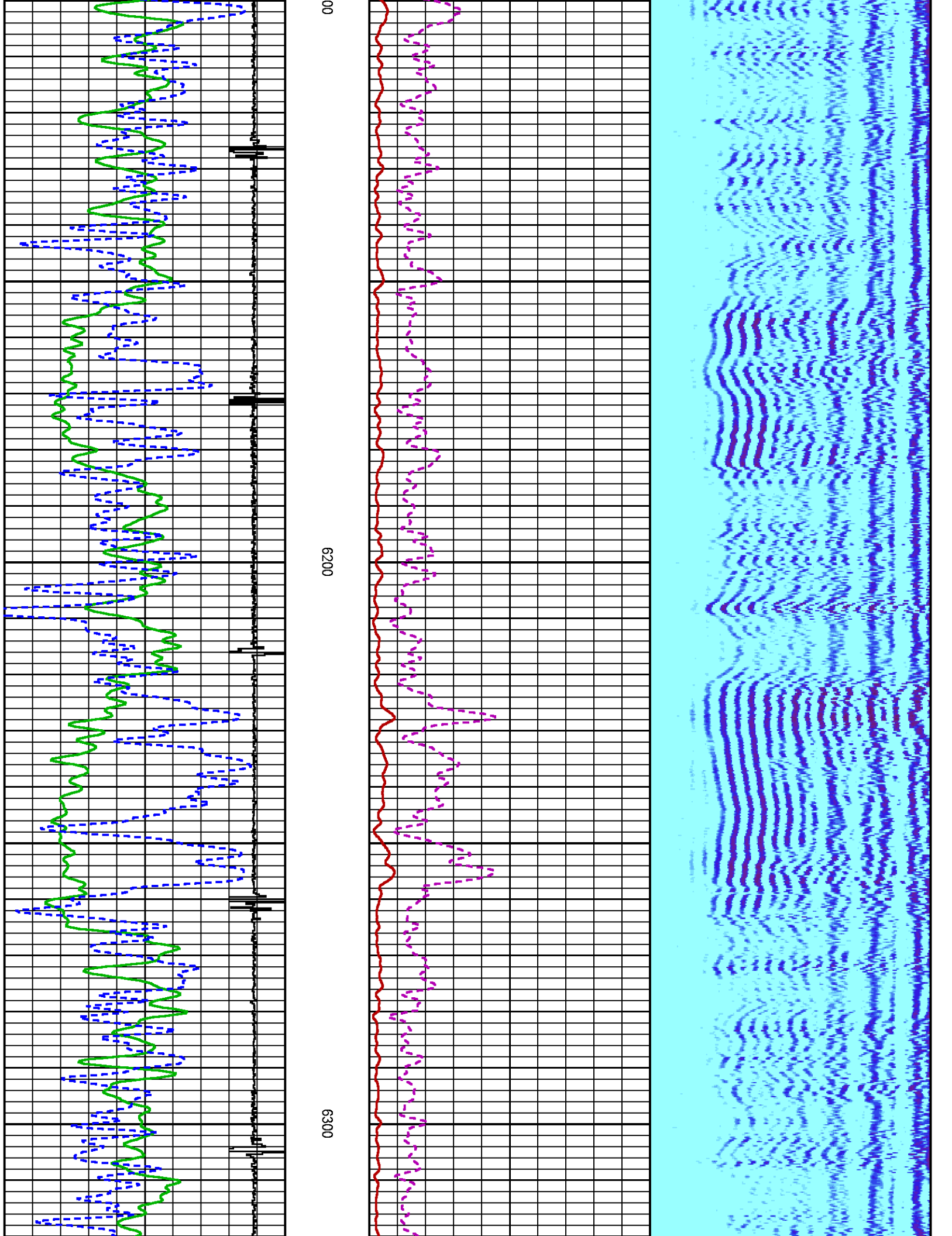
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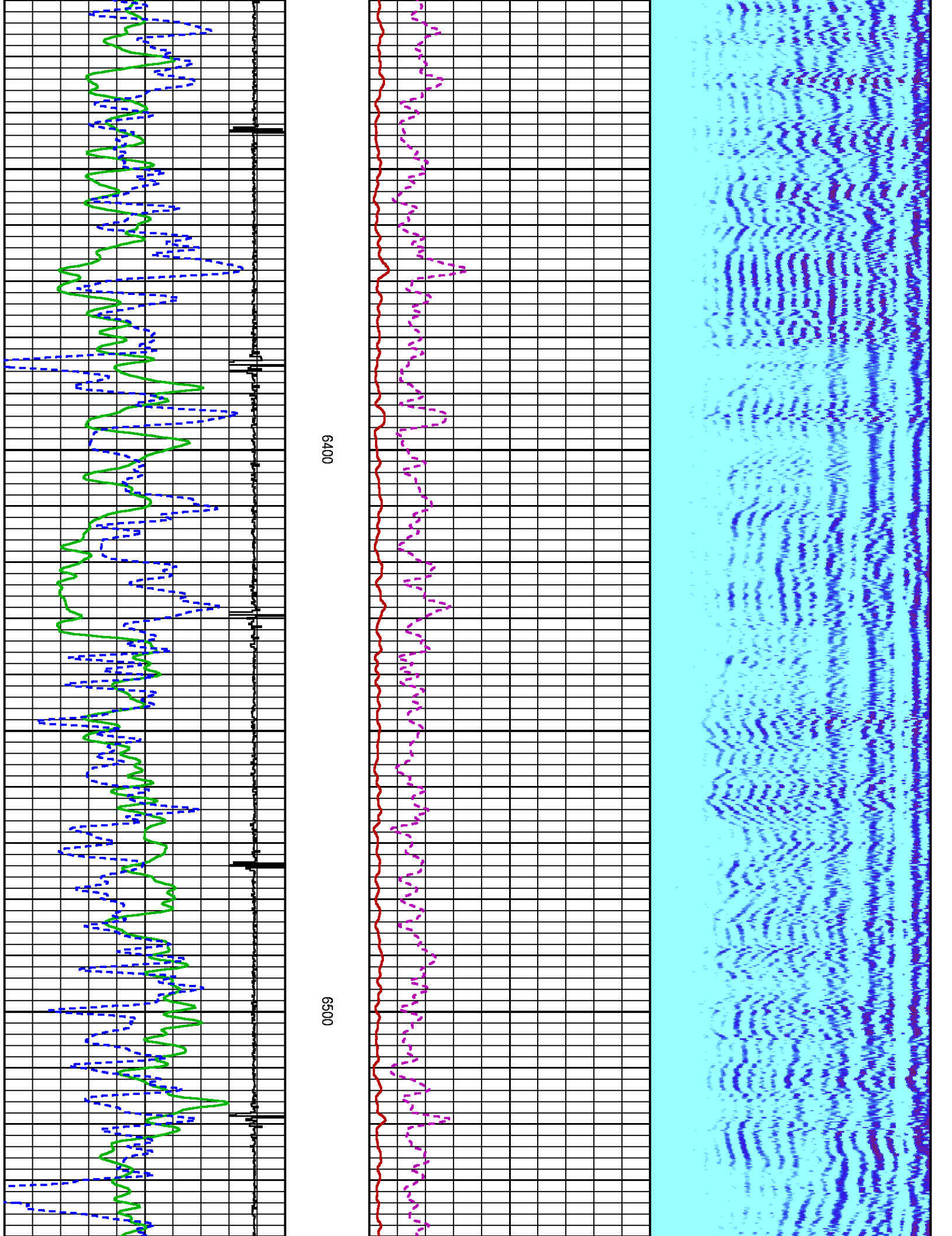
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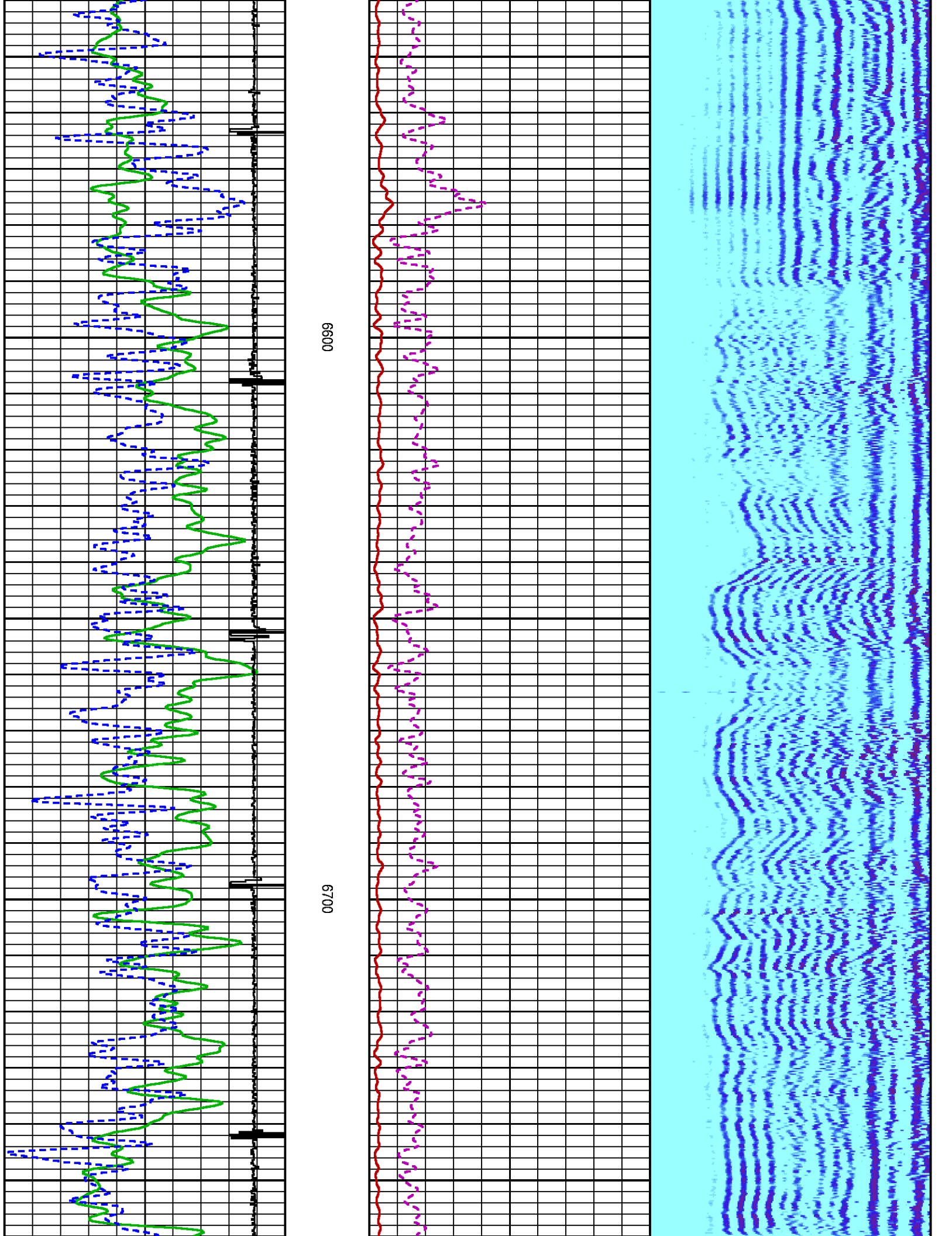
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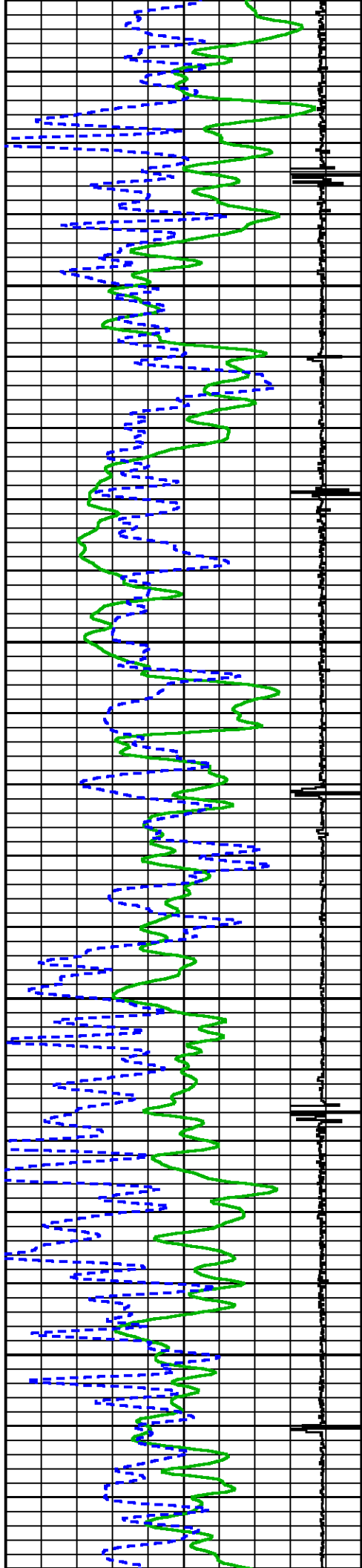
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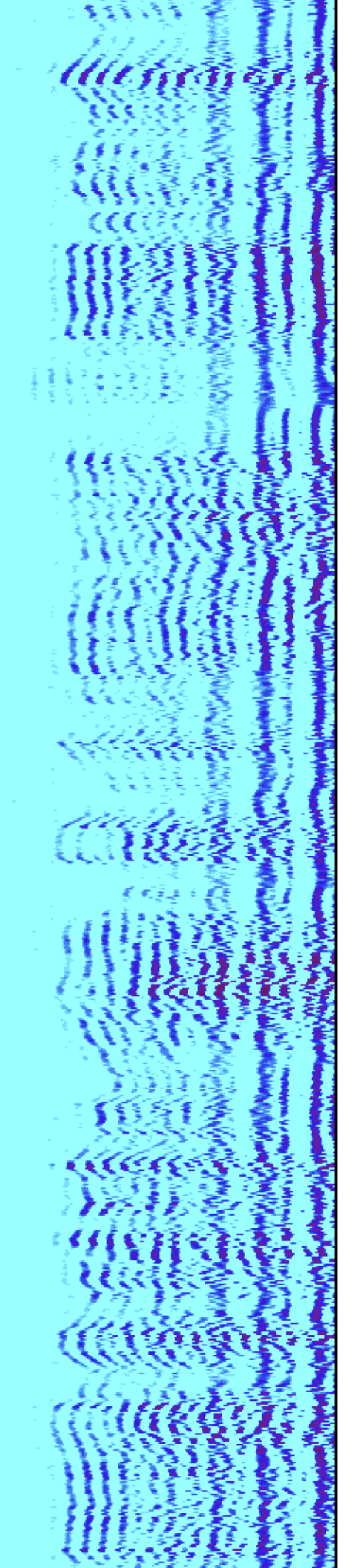
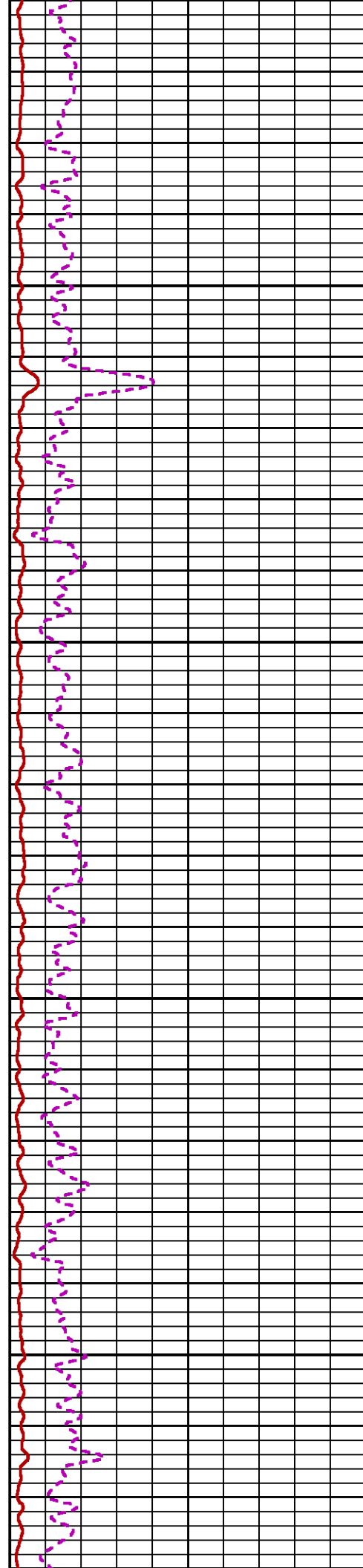


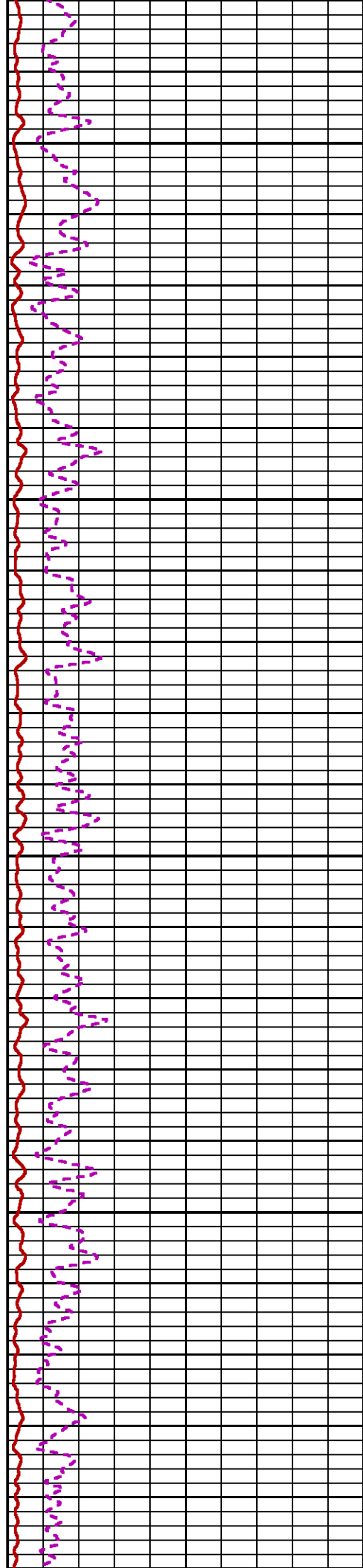
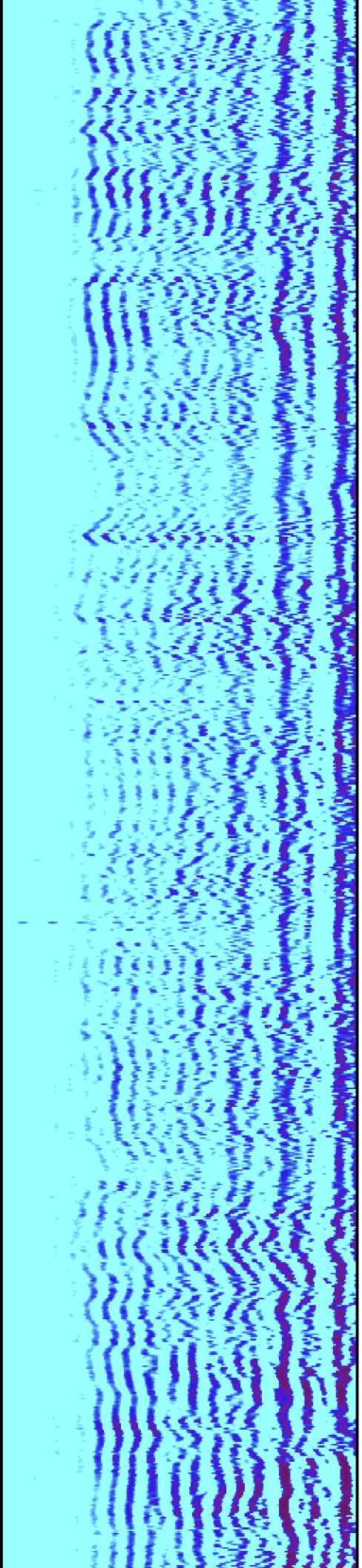




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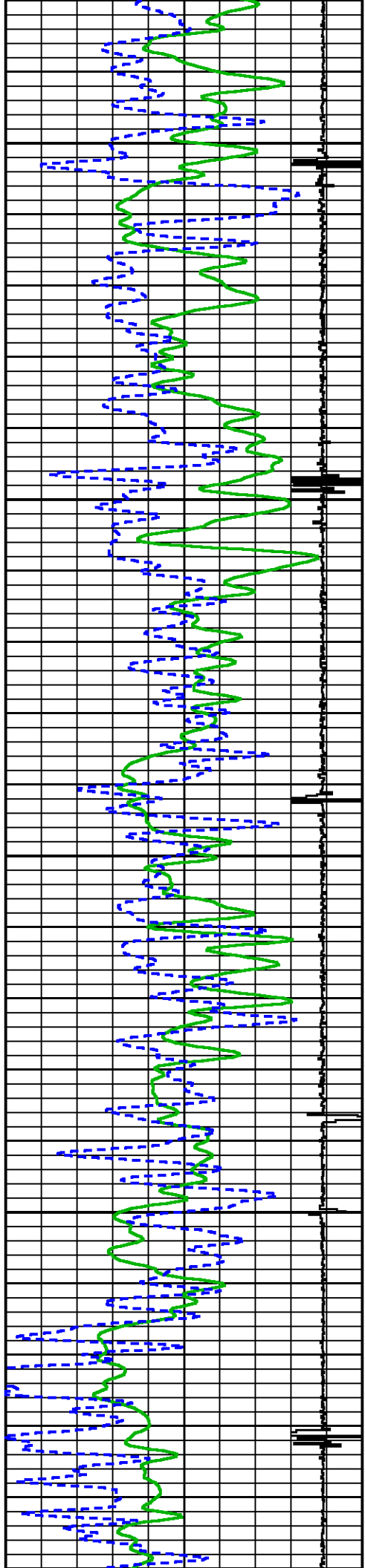


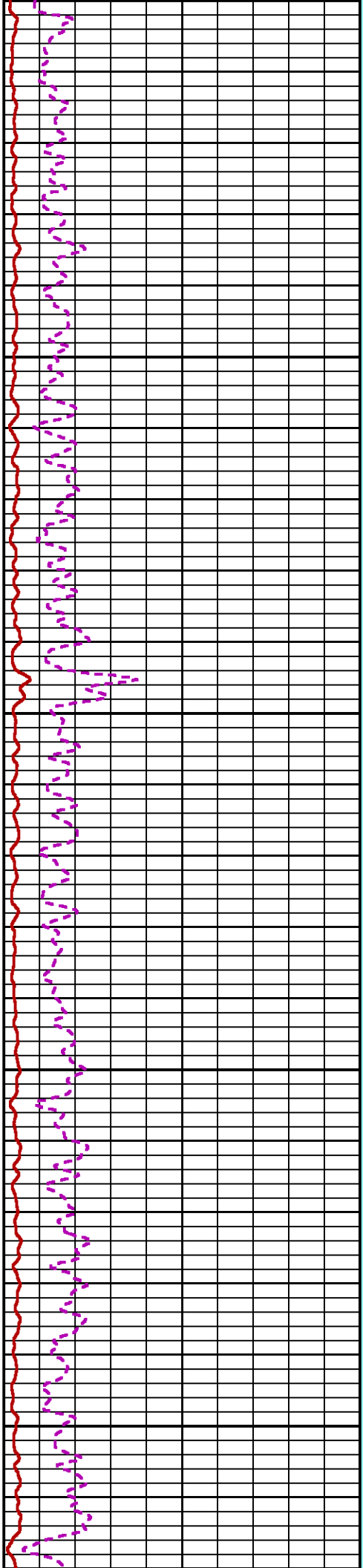
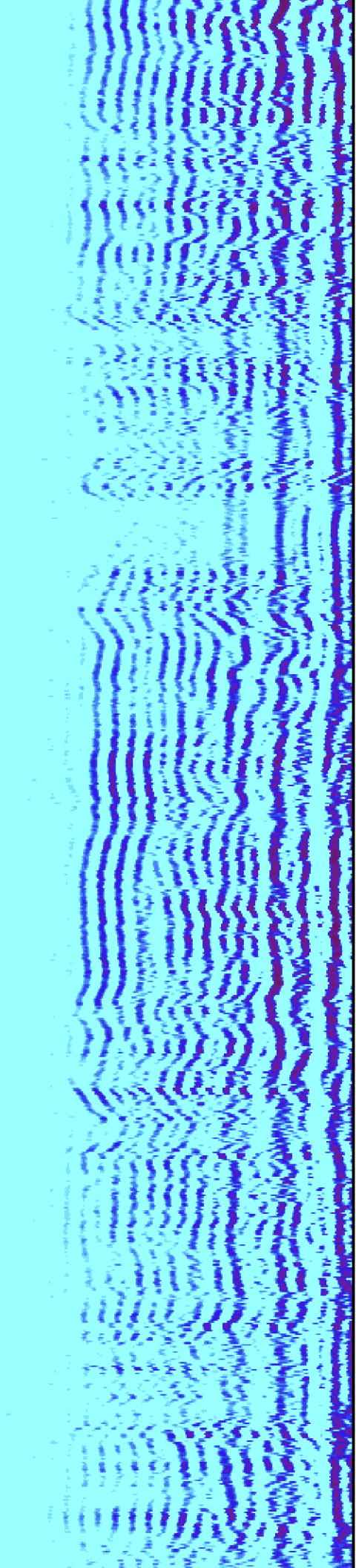


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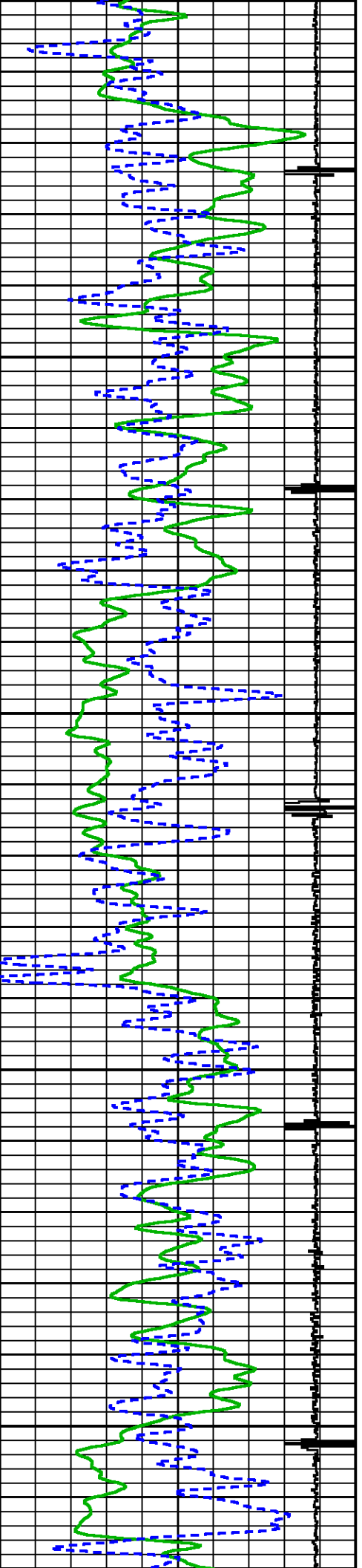


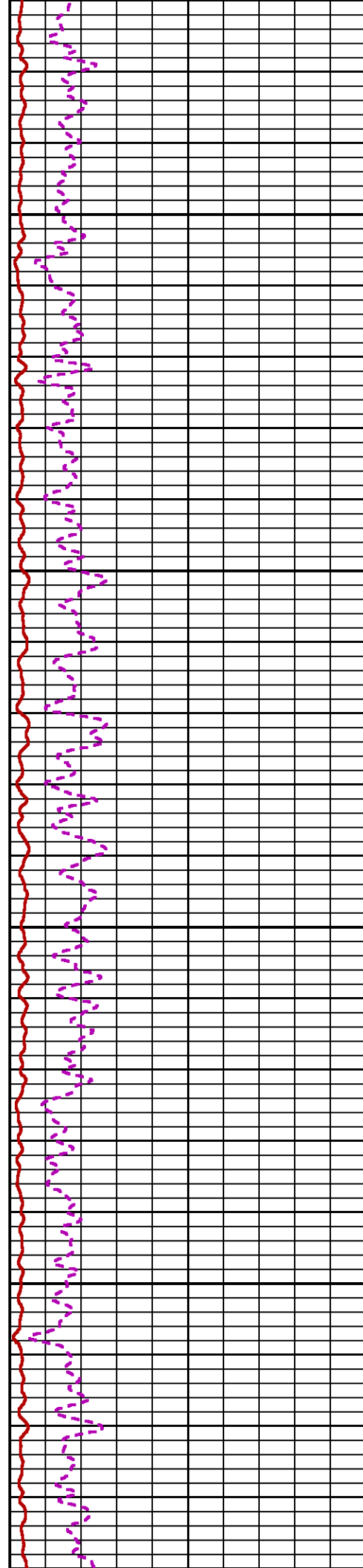
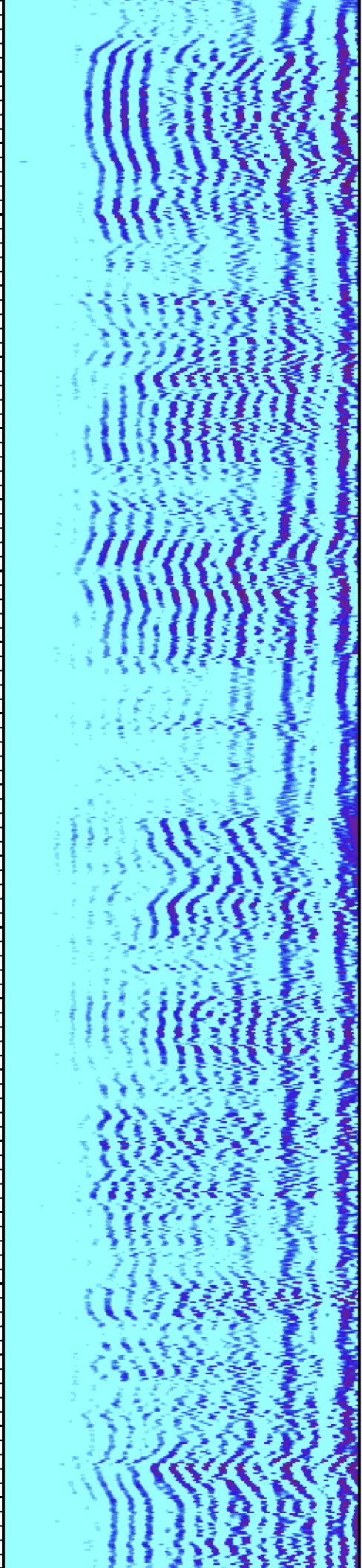


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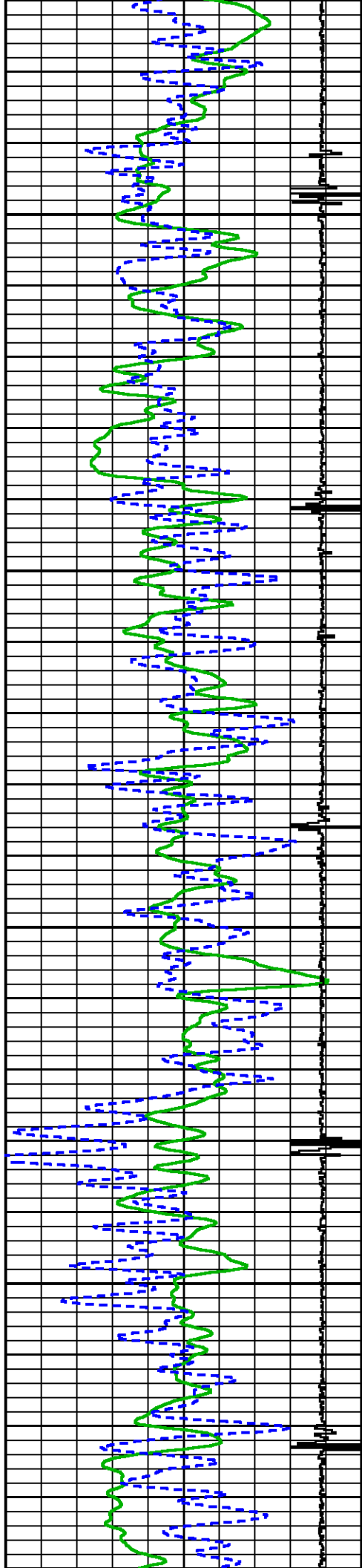
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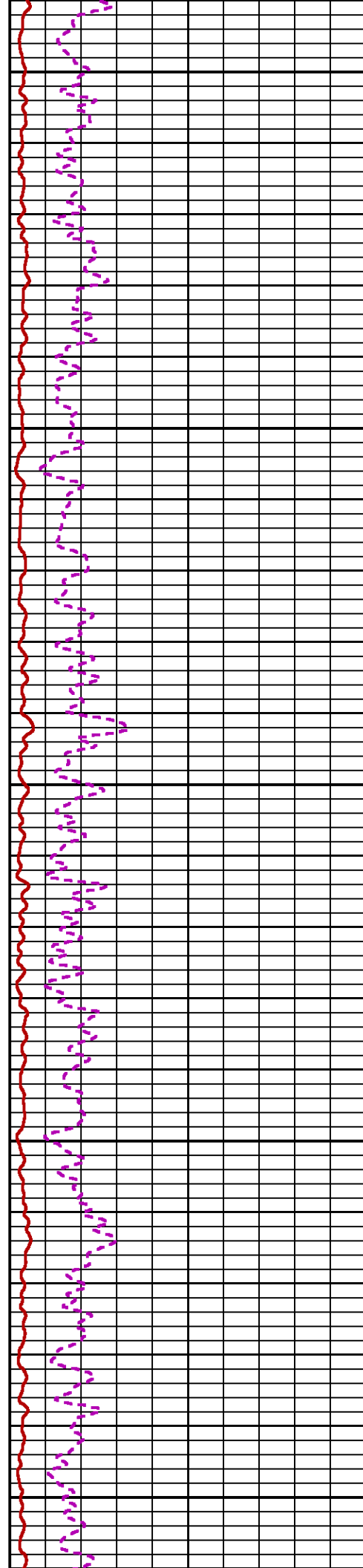
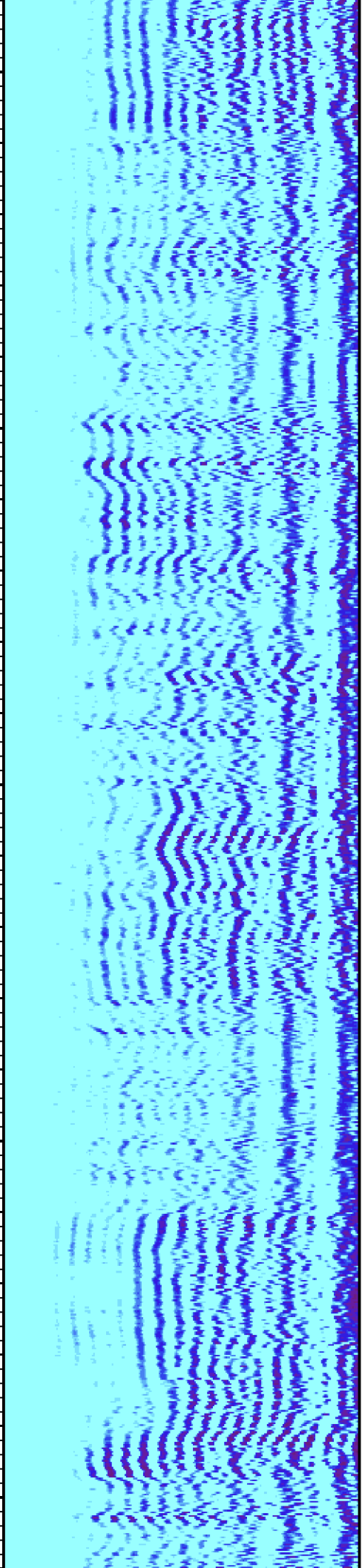




7500

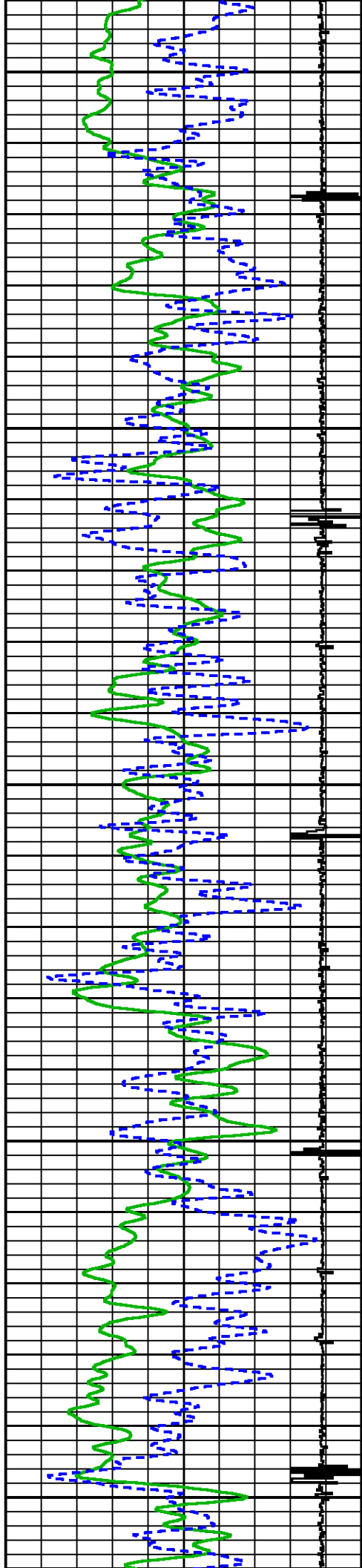
7600

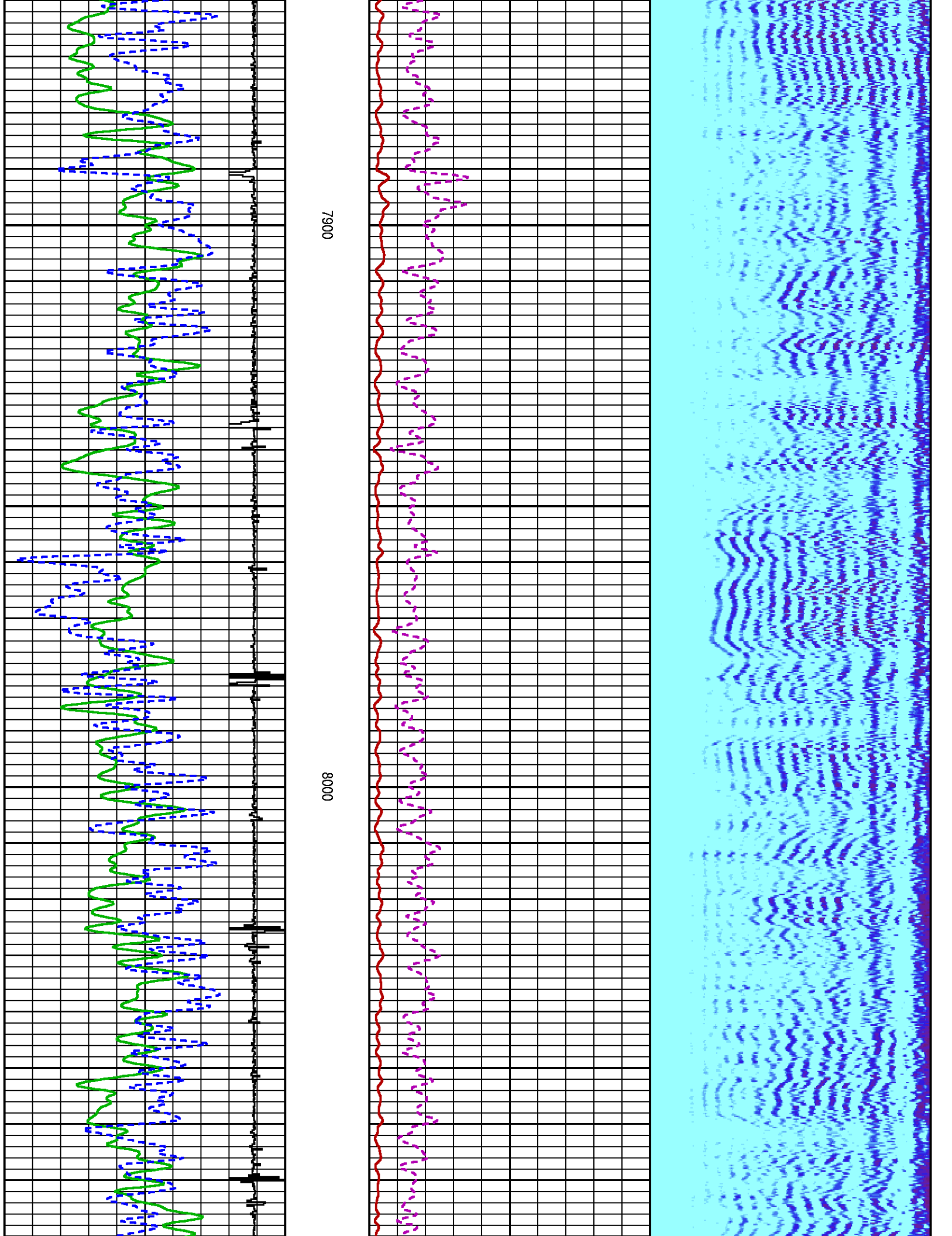


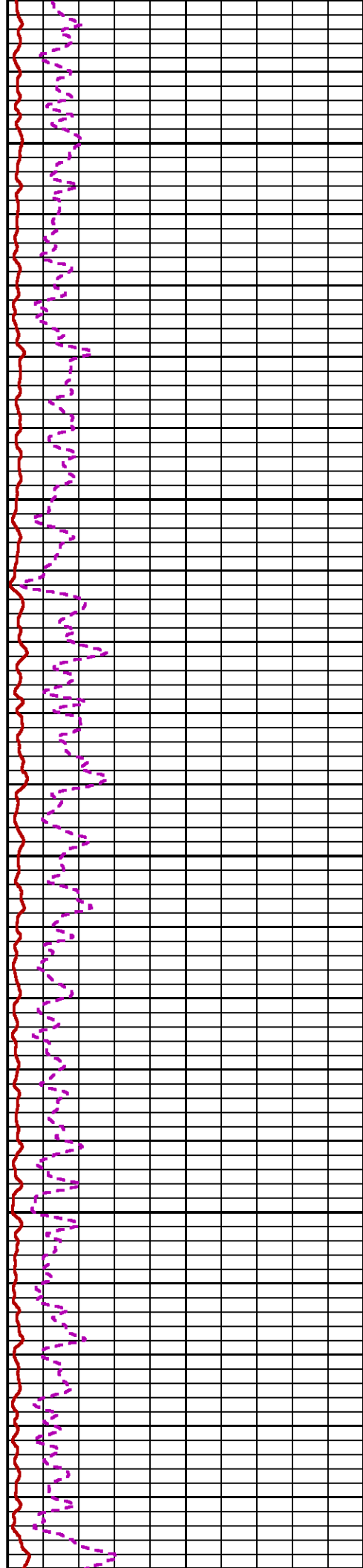
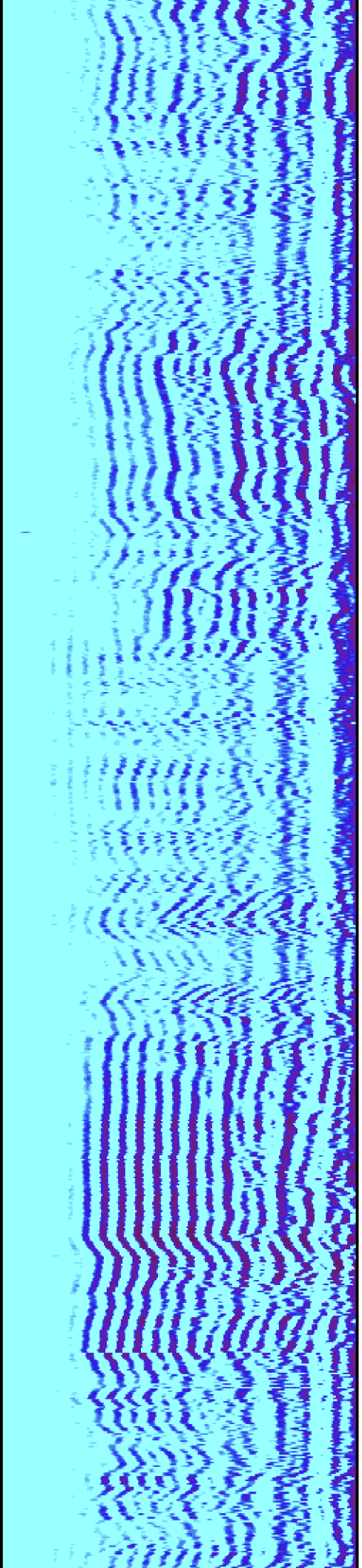


7700

7800



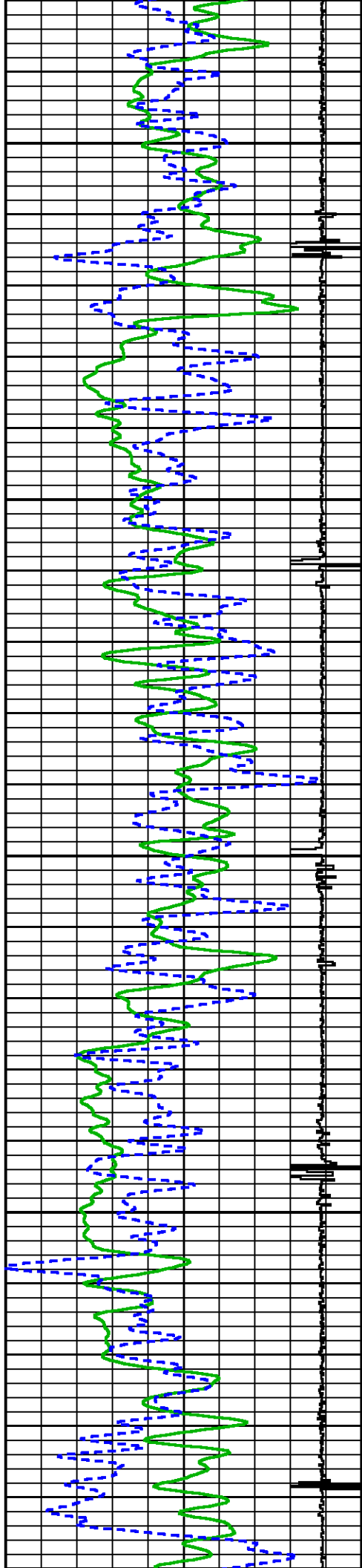


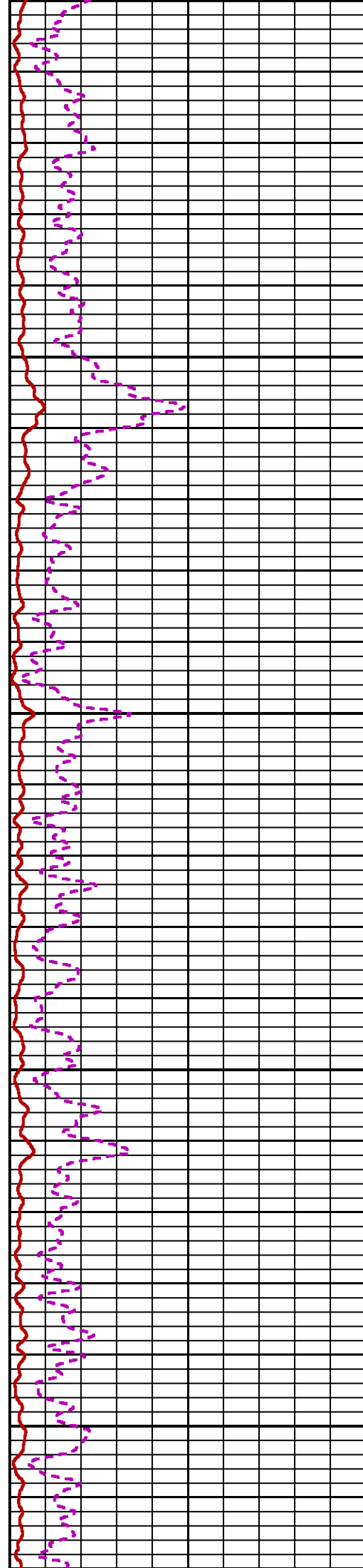
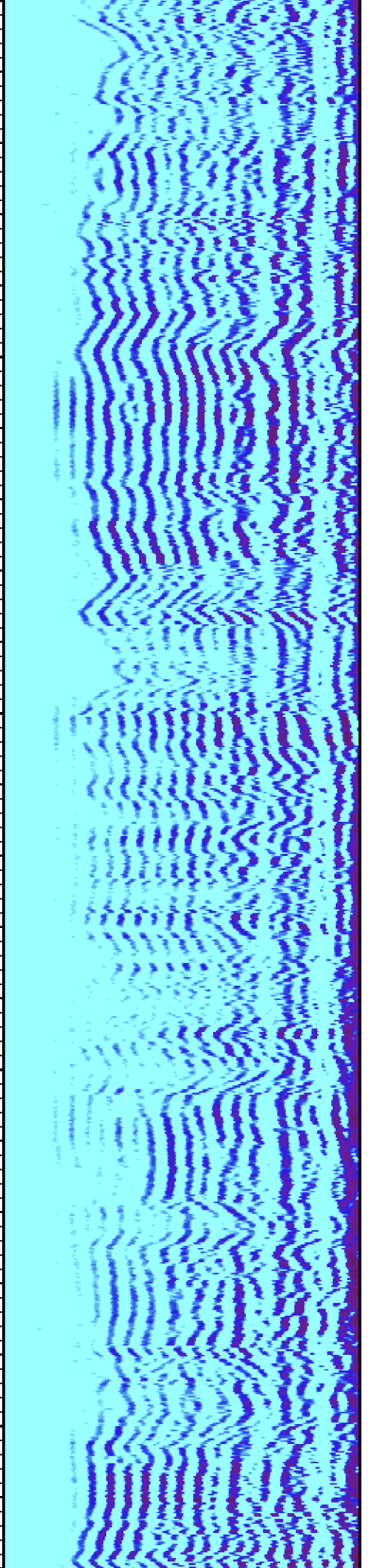


8100

8200

83

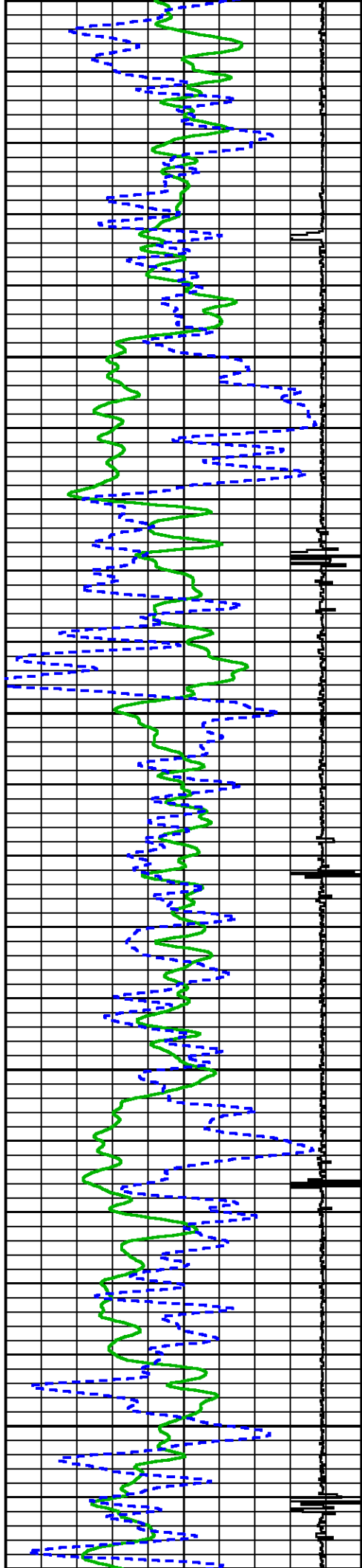


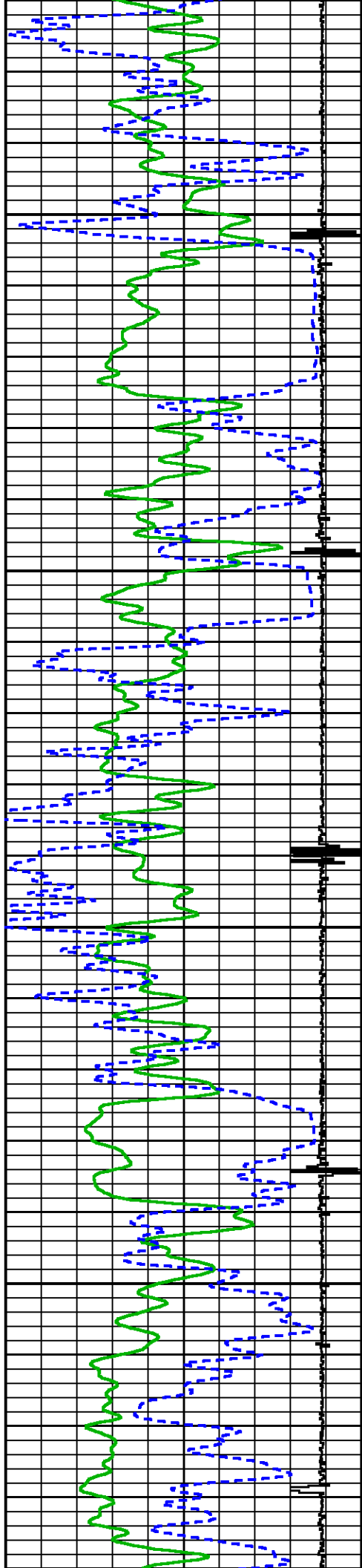


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8400

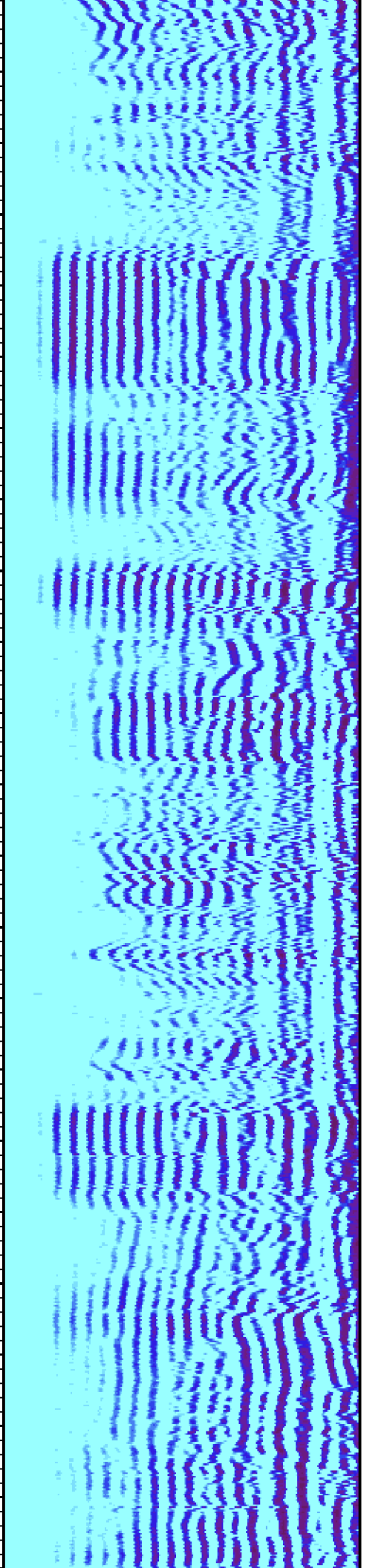
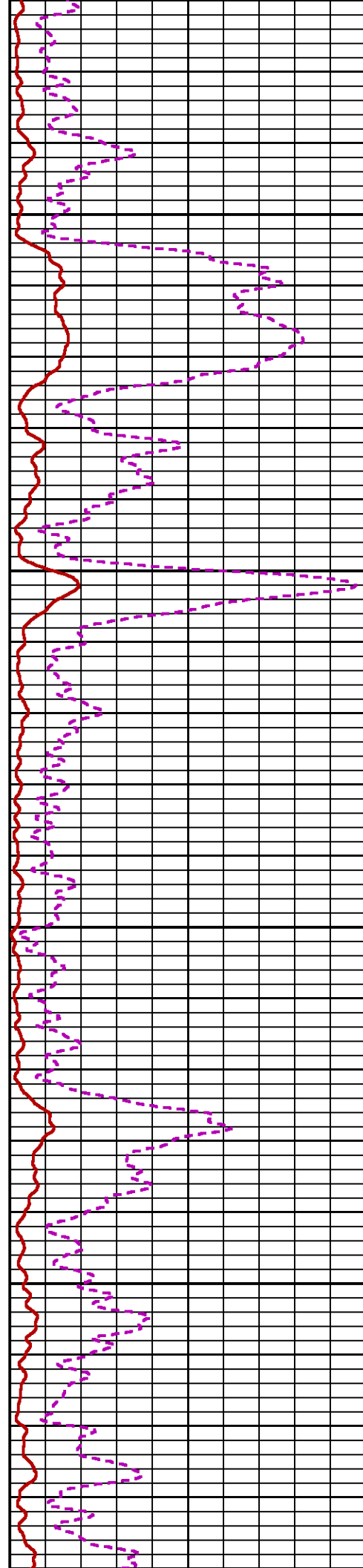
8500

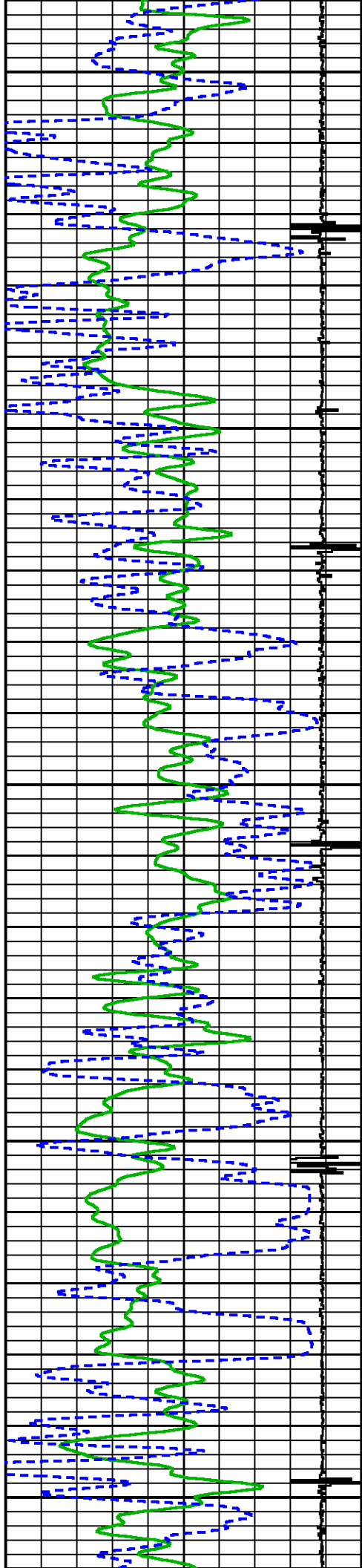




0098

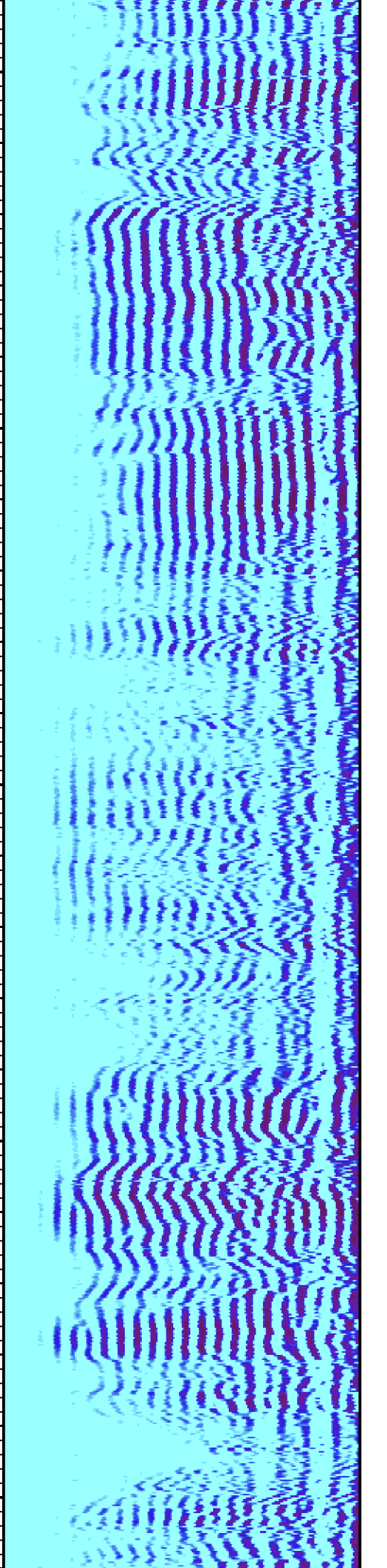
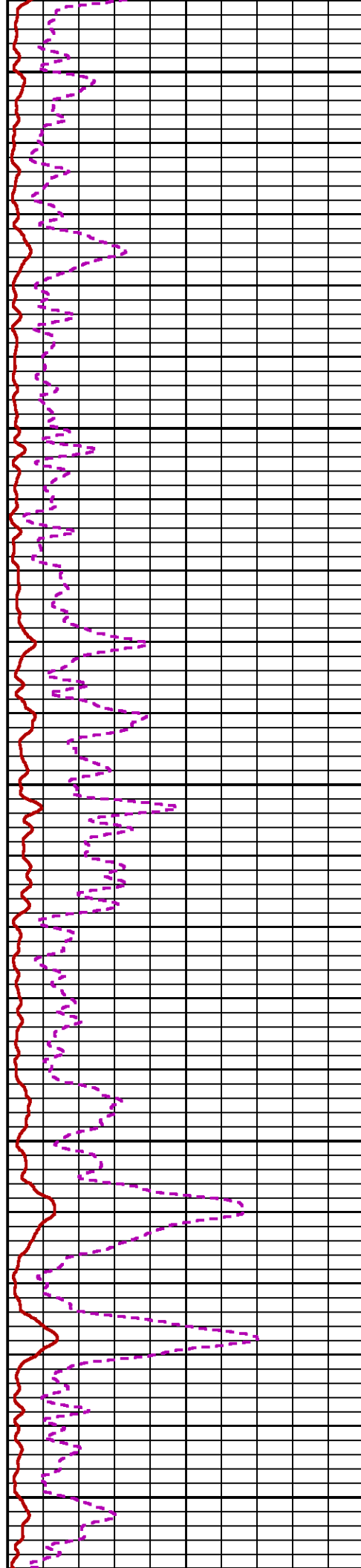
8700

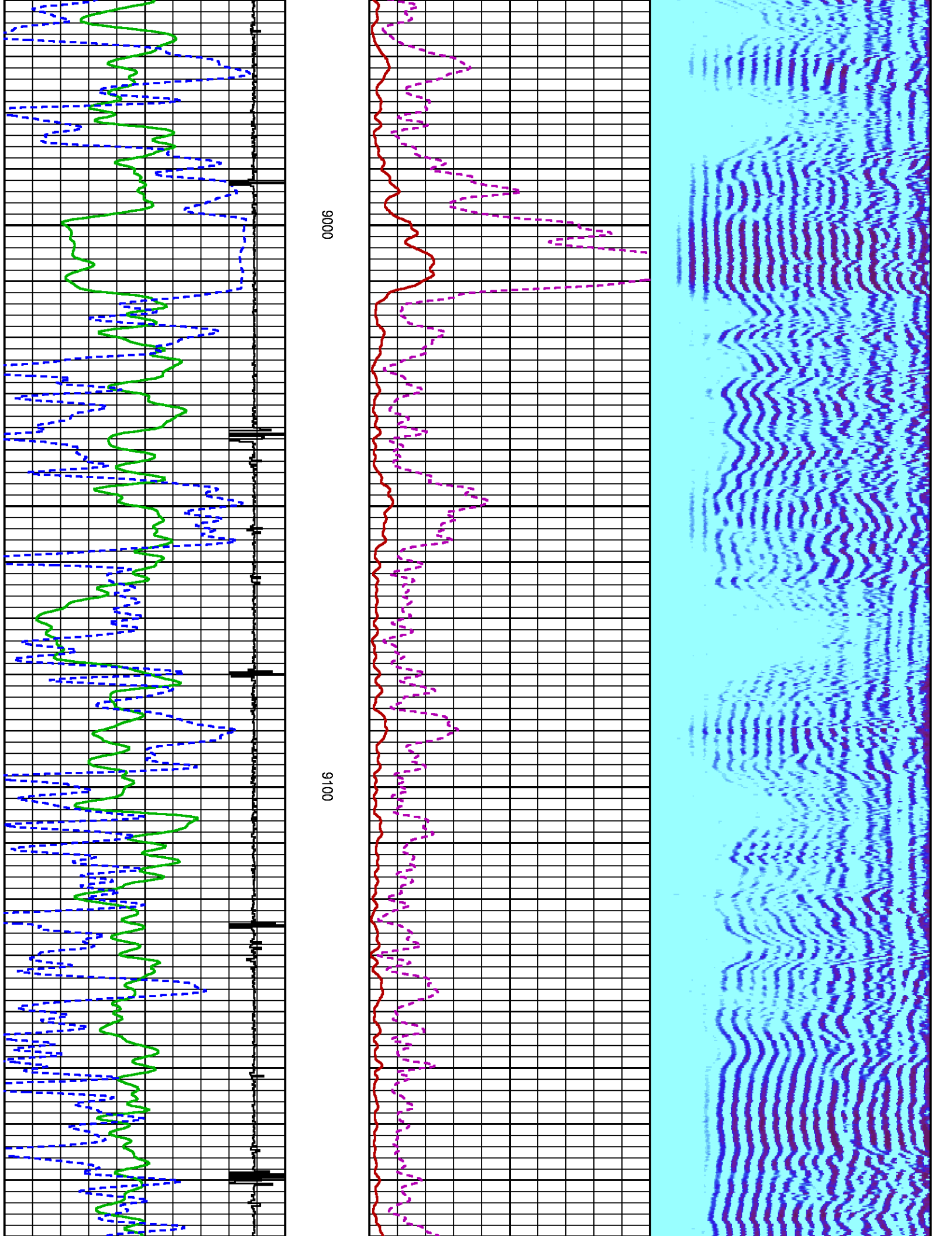


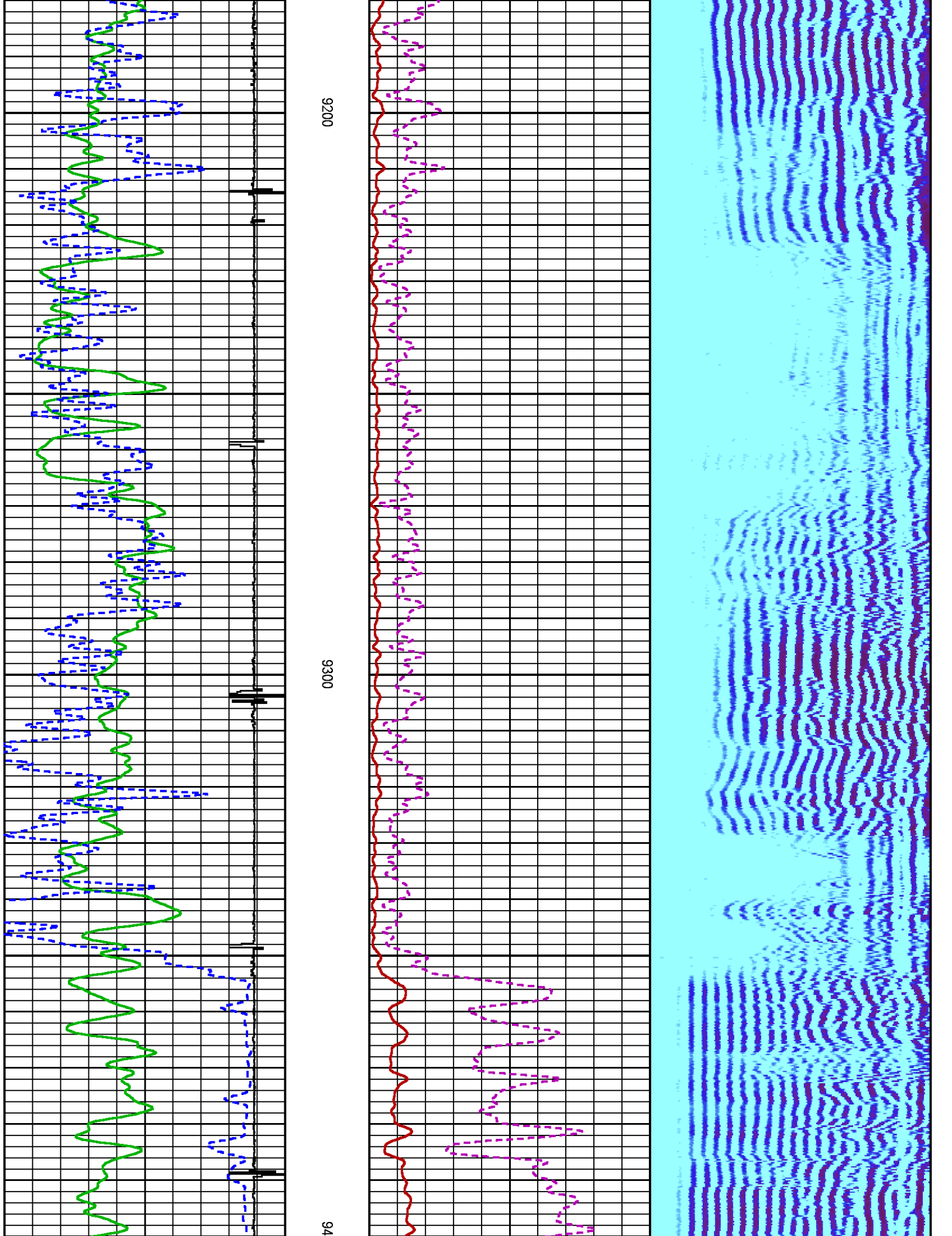


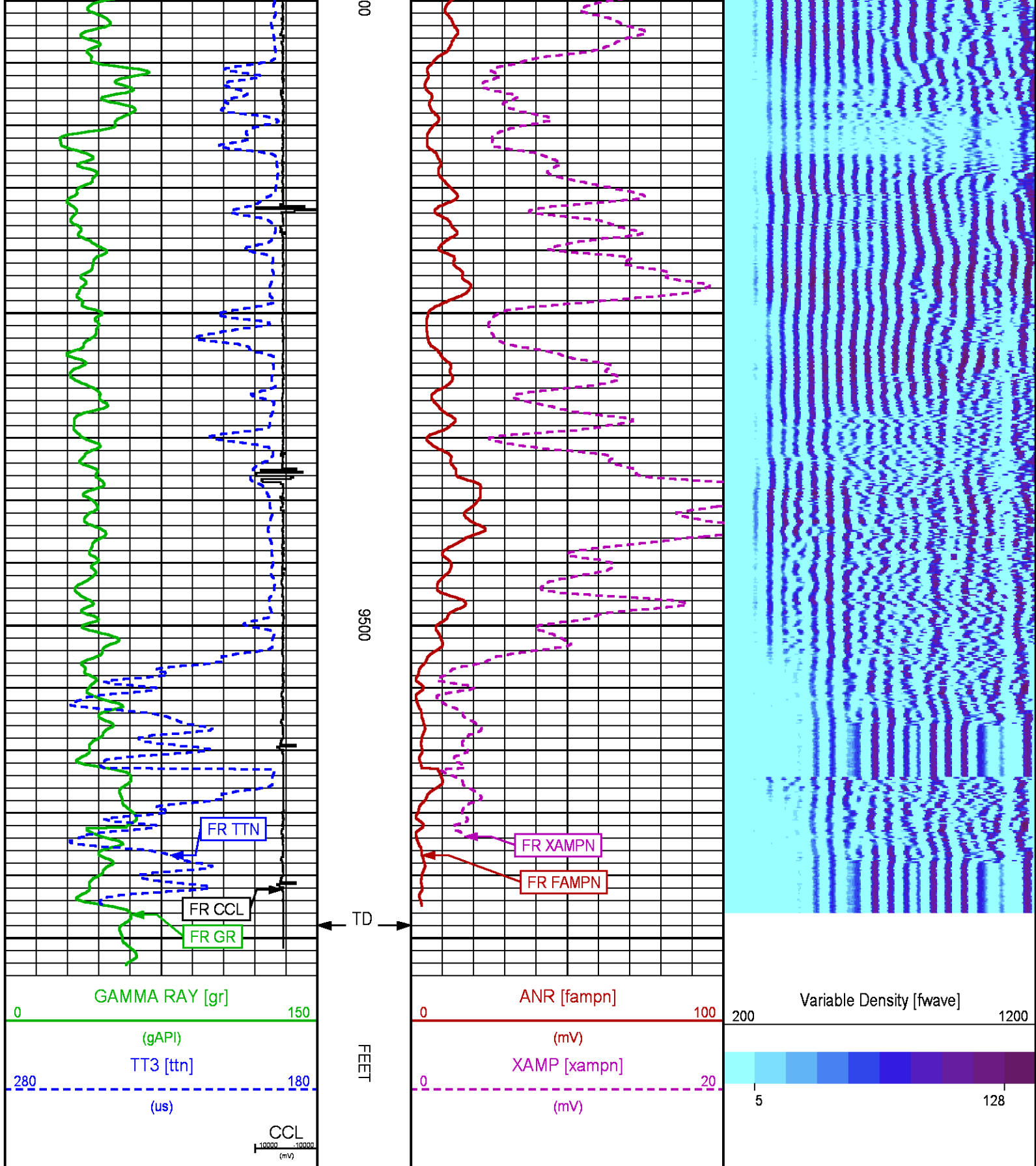
0088

0068









REPEAT LOG 0 PSI

Plotted: Wed Aug 24 12:28:42 2016

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH108943/n012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 9217.500 ft BOTTOM DEPTH: 9524.250 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 (fgpn*)	185	us	TOP BOTTOM
	AMP WINDOW LENGTH	25	us	" "
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	171	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*)	-72	us	" "
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	" "
	NOISE WINDOW LENGTH	25	us	" "

CURVE DESCRIPTION REPORT

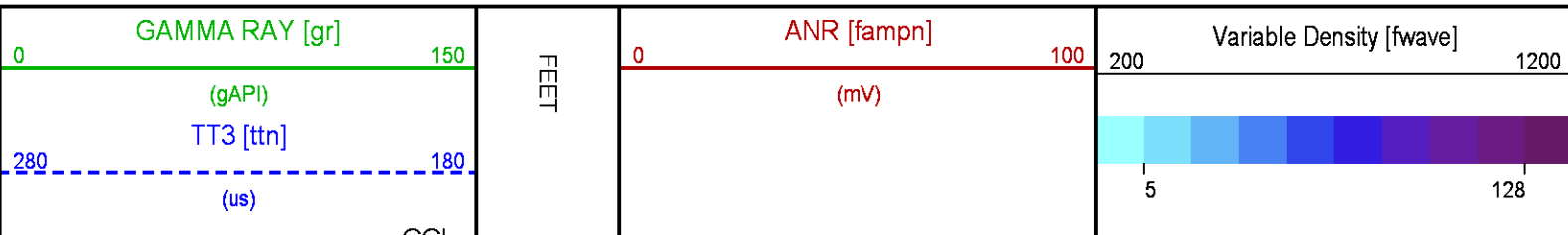
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Aug 24 11:42:03 2016	CASING COLLAR LOCATOR
F1:FAMPN	Aug 24 11:42:03 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Aug 24 11:42:03 2016	FAR WAVE FORM
F1:GR	Aug 24 11:42:03 2016	GAMMA RAY
F1:TTN	Aug 24 11:42:03 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER

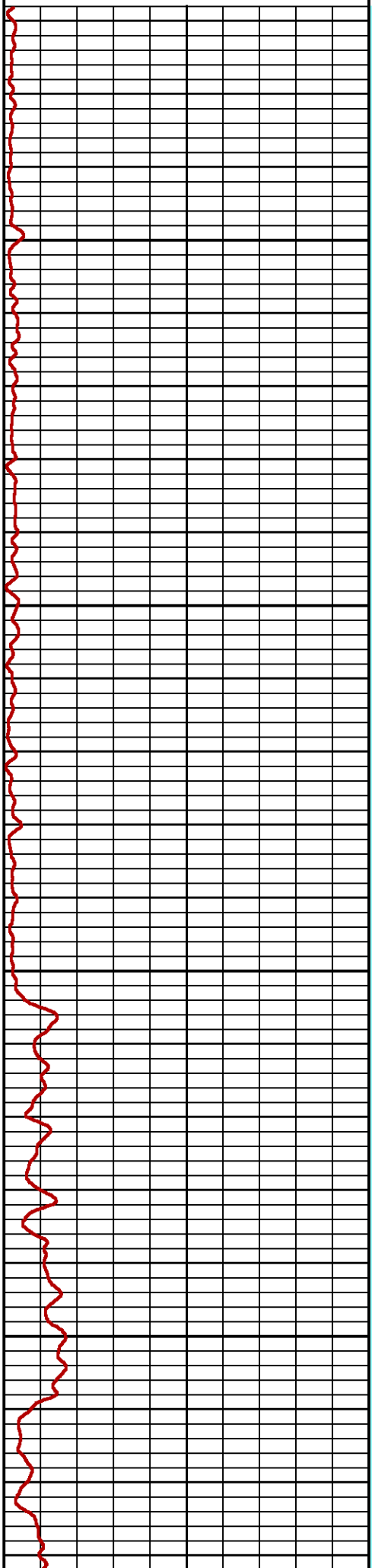
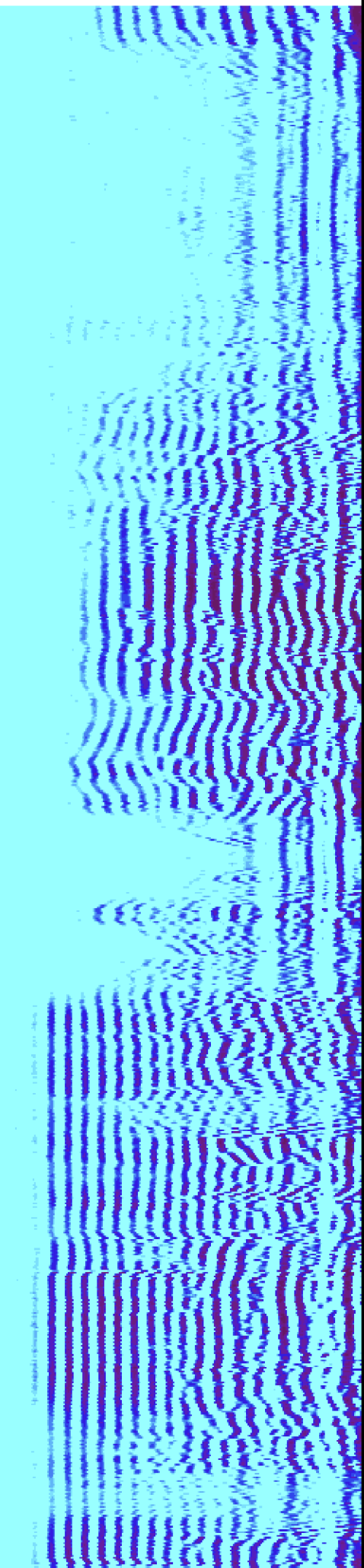
CURVE MEASURE POINT OFFSET

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 : cpu100:423REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 9207 - 9522.75 Feet

Data File 1 : F1 : cpu100:/dat1a/CH108943/n012g01REPEAT423.xtf
Created On : Aug 24 11:42:03 2016
Company : TEP ROCKY MOUNTAIN LLC
Well : YOUNBERG RU 423-7
Field : RULISON
File Interval : 9206 - 9524.25 Feet
OCT : n012g

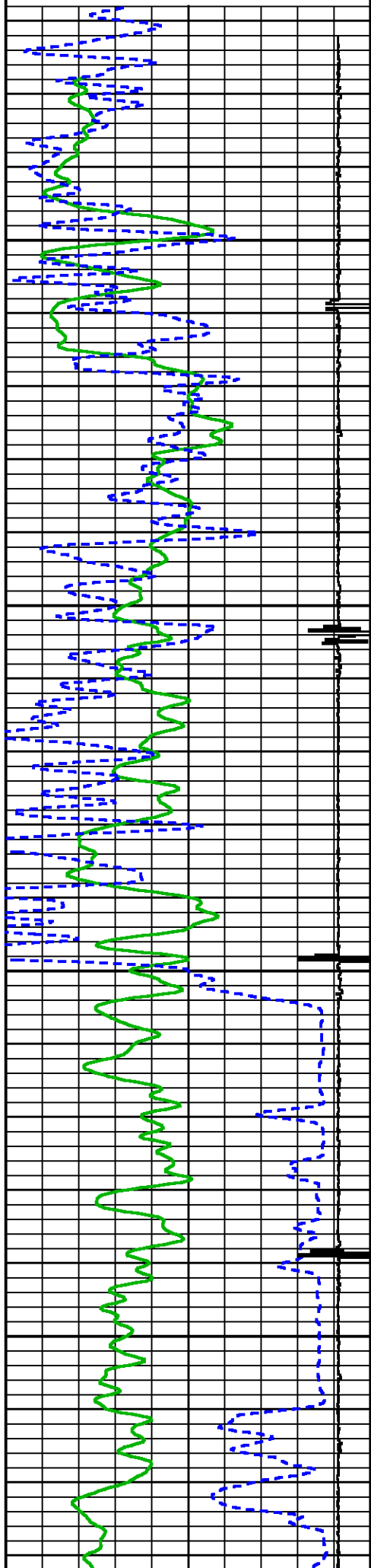


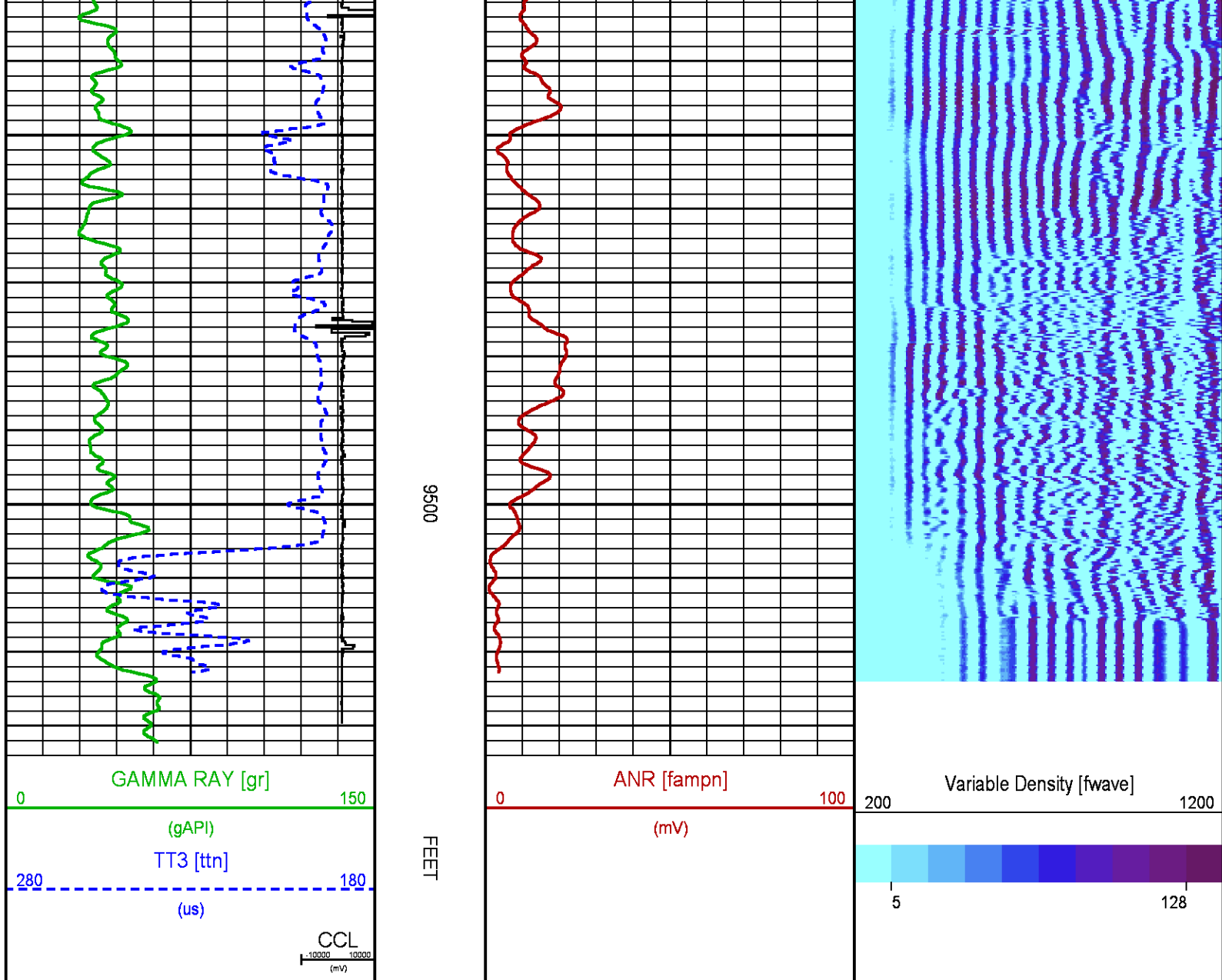


9300

9400

10000
10000
(mV)





SECONDARY PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 9

Plotted: Wed Aug 24 15:04:40 2016

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH108943/n012g02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 17.000 ft BOTTOM DEPTH: 9524.250 ft

SYMMETRIC FILTER

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

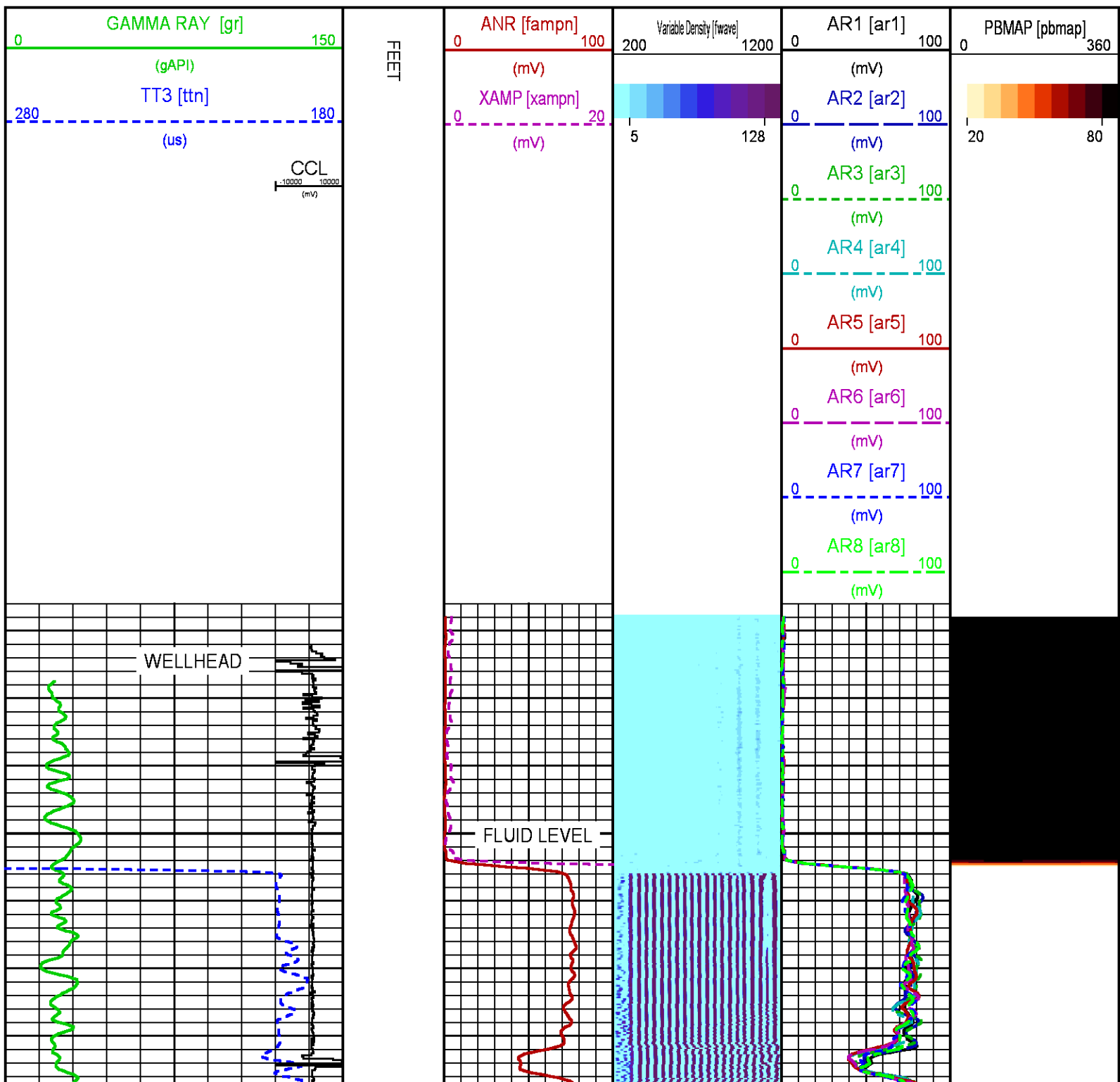
TRAVEL TIME	FILTER ()	medium (1)	"	"	
RAL CCL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0	TOP	BOTTOM	
ANALOG RAL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	185	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	185	us	"	"
	AMP WINDOW START (fgp3*)	185	us	"	"
	AMP WINDOW START (fgp4*)	185	us	"	"
	AMP WINDOW START (fgp5*)	185	us	"	"
	AMP WINDOW START (fgp6*)	185	us	"	"
	AMP WINDOW START (fgp7*)	185	us	"	"
	AMP WINDOW START (fgp8*)	185	us	"	"
	AMP WINDOW START (fgpn*)	185	us	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	171	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*)	-72	us	"	"
	TOOL DELAY (str2*)	-72	us	"	"
	TOOL DELAY (str3*)	-72	us	"	"
	TOOL DELAY (str4*)	-72	us	"	"
	TOOL DELAY (str5*)	-72	us	"	"
	TOOL DELAY (str6*)	-72	us	"	"
	TOOL DELAY (str7*)	-72	us	"	"
	TOOL DELAY (str8*)	-72	us	"	"
	TOOL DELAY (strn*)	-72	us	"	"
BASELINE NOISE (NEAR)	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 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 24 11:50:03 2016	FIXED GATE AMPLITUDE T-R1			
F1:AR2	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE T-R2			
F1:AR3	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE T-R3			
F1:AR4	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE T-R4			
F1:AR5	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE T-R5			
F1:AR6	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE T-R6			
F1:AR7	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE T-R7			
F1:AR8	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE T-R8			
F1:CCL	Aug 24 11:50:03 2016	CASING COLLAR LOCATOR			
F1:FAMPN	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE NEAR RECEIVER			
F1:FWAVE	Aug 24 11:50:03 2016	FAR WAVE FORM			
F1:GR	Aug 24 11:50:03 2016	GAMMA RAY			
F1:PBMAP	Aug 24 11:50:03 2016	PERCENT BOND CEMENT MAP			
F1:TTN	Aug 24 11:50:03 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER			
F1:XAMPN	Aug 24 11:50:03 2016	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE			

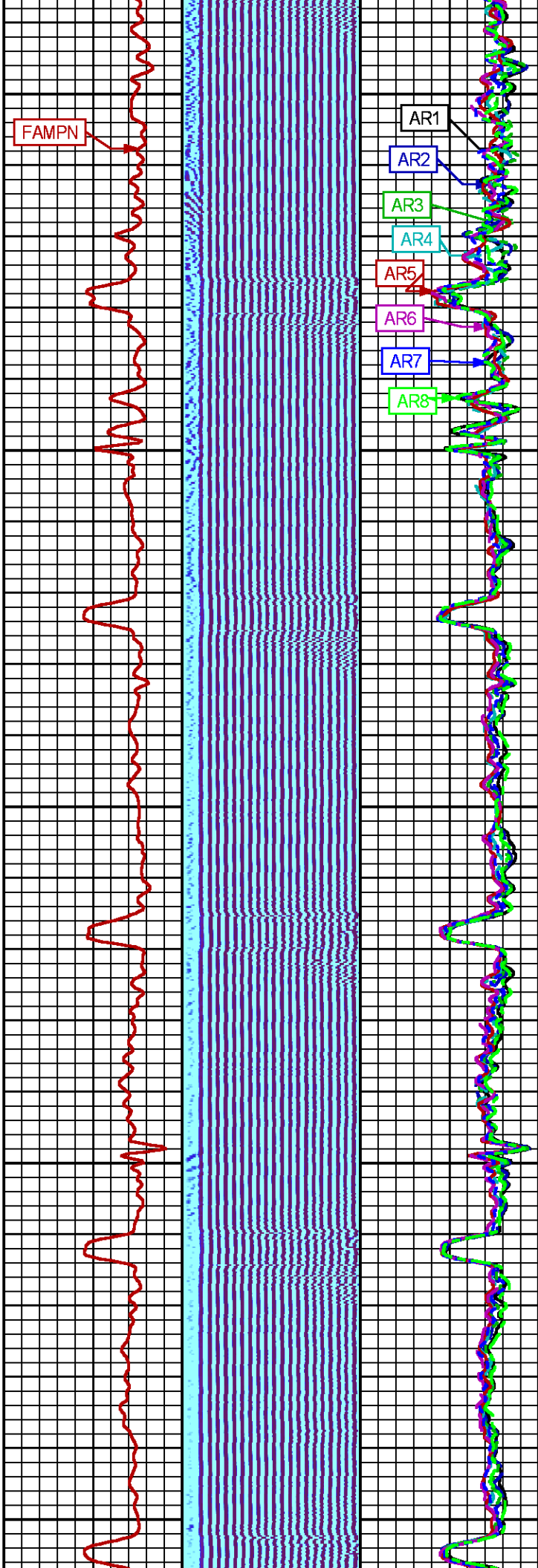
CURVE MEASURE POINT OFFSET

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/CH108943/423MAIN2.fvpdf [5"/100' Scale]
Plot Interval : 17.75 - 9556 Feet

Data File 1 : F1 : cpu100:/dat1a/CH108943/n012g02MAIN423.xtf
Created On : Aug 24 11:50:03 2016
Company : TEP ROCKY MOUNTAIN LLC
Well : YOUNBERG RU 423-7
Field : RULISON
File Interval : 16.75 - 9557.25 Feet
OCT : n012g

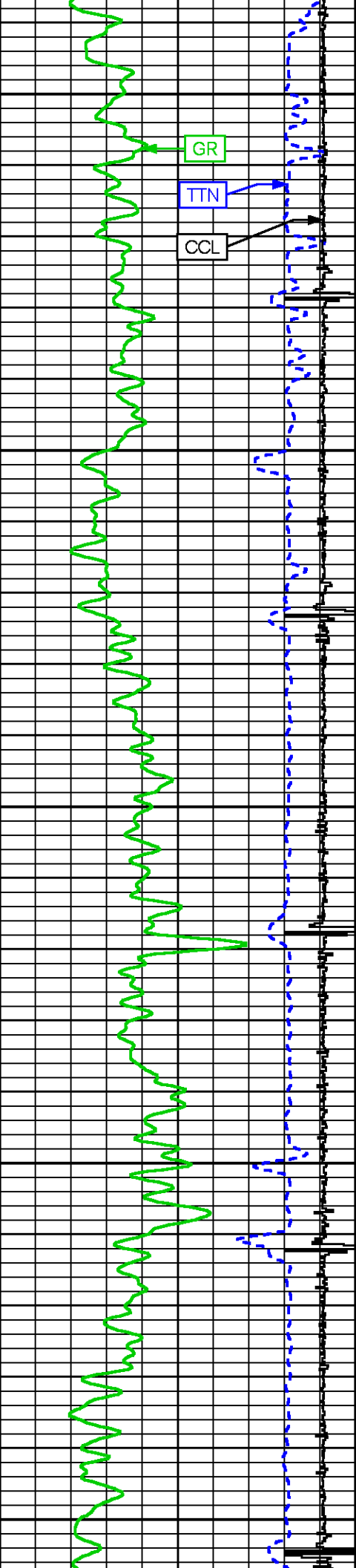


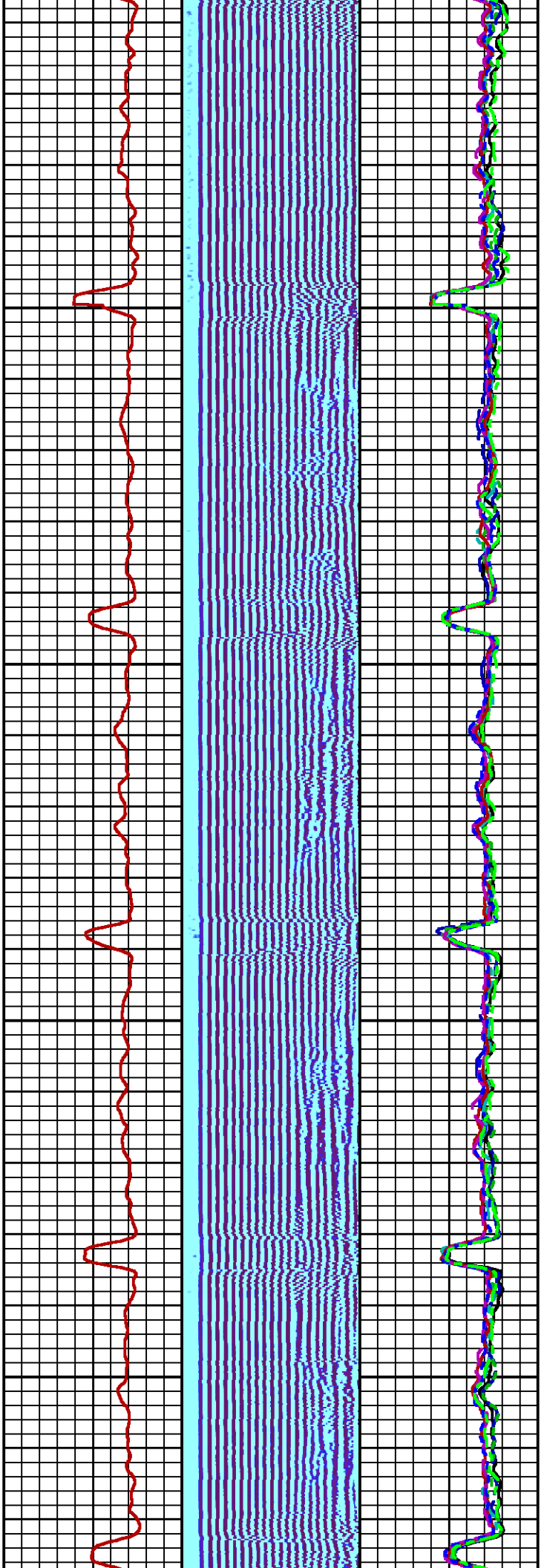


100

200

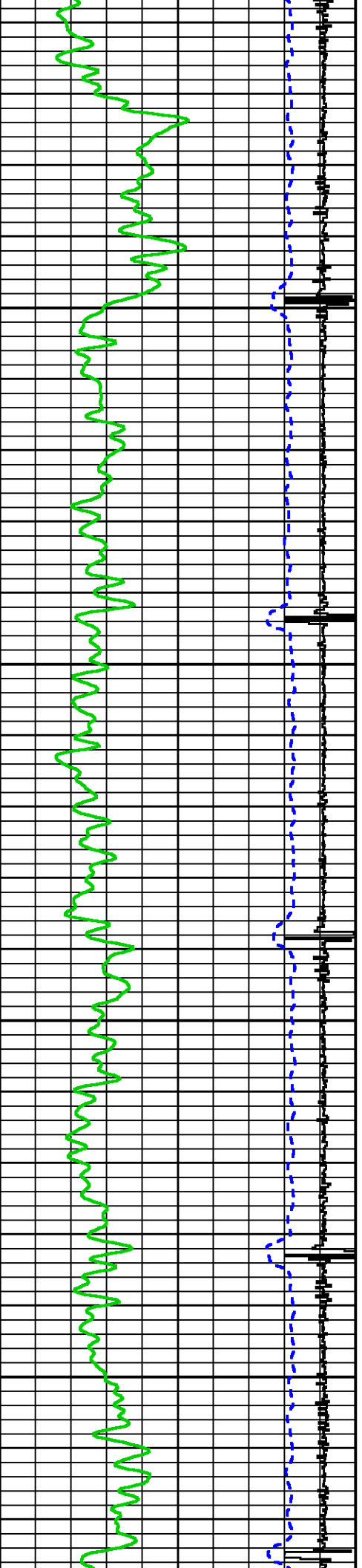
300

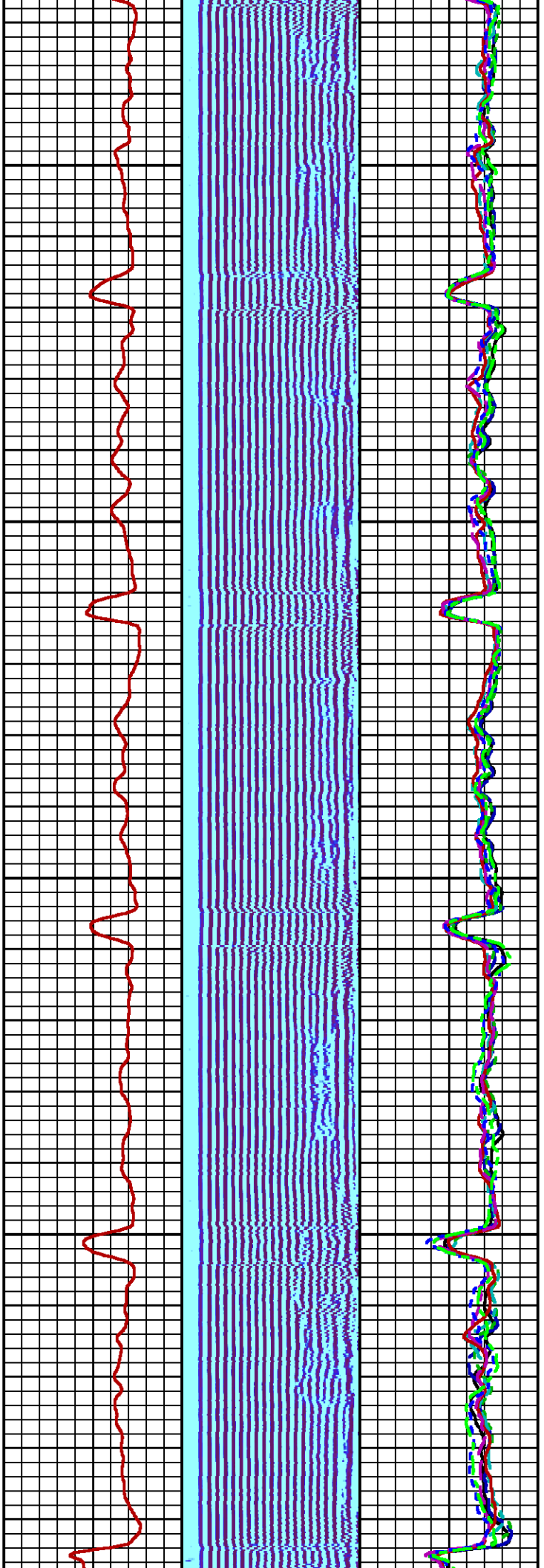




400

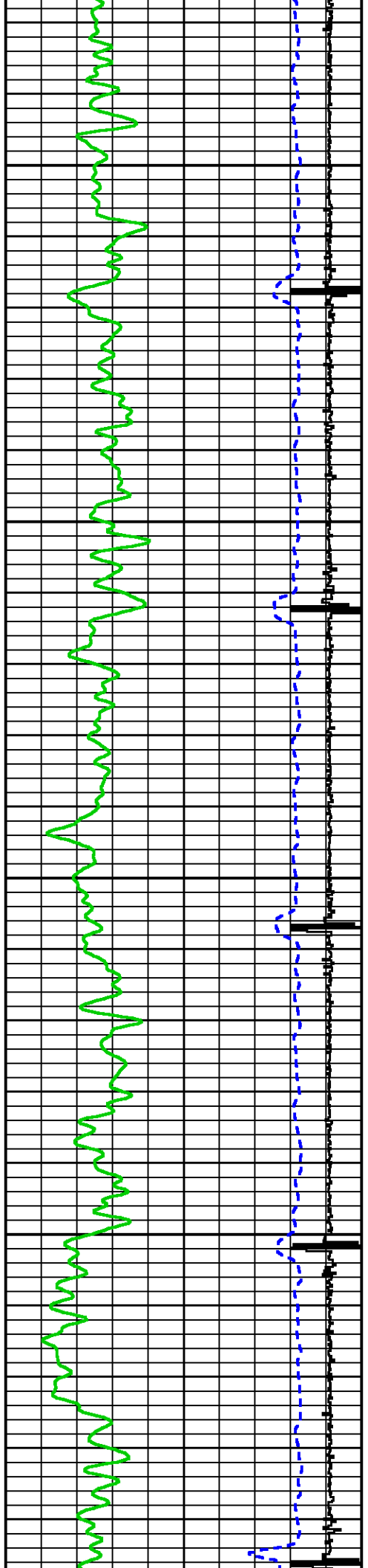
500

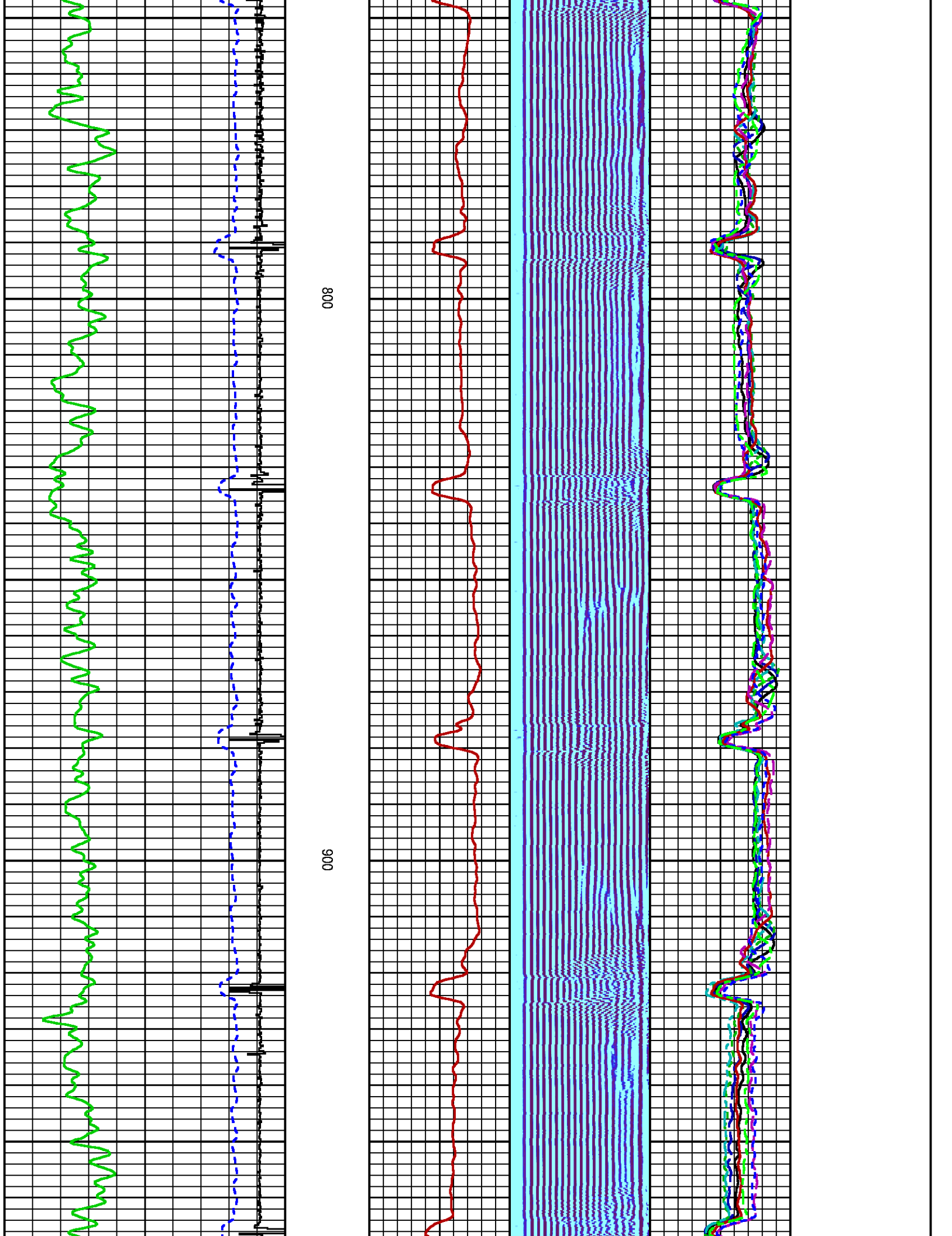


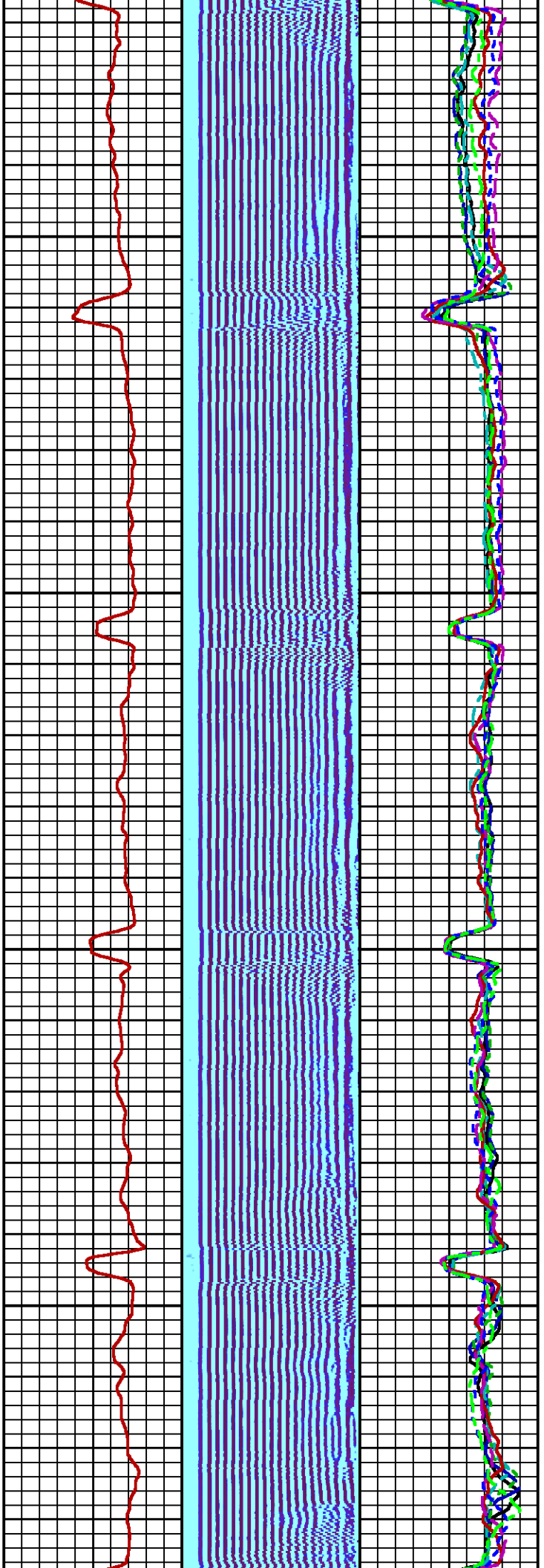


600

700

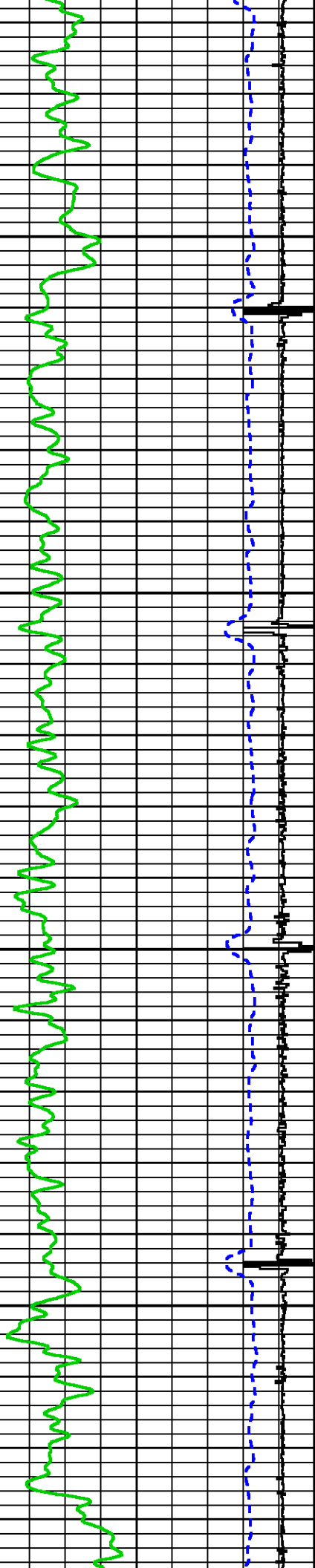


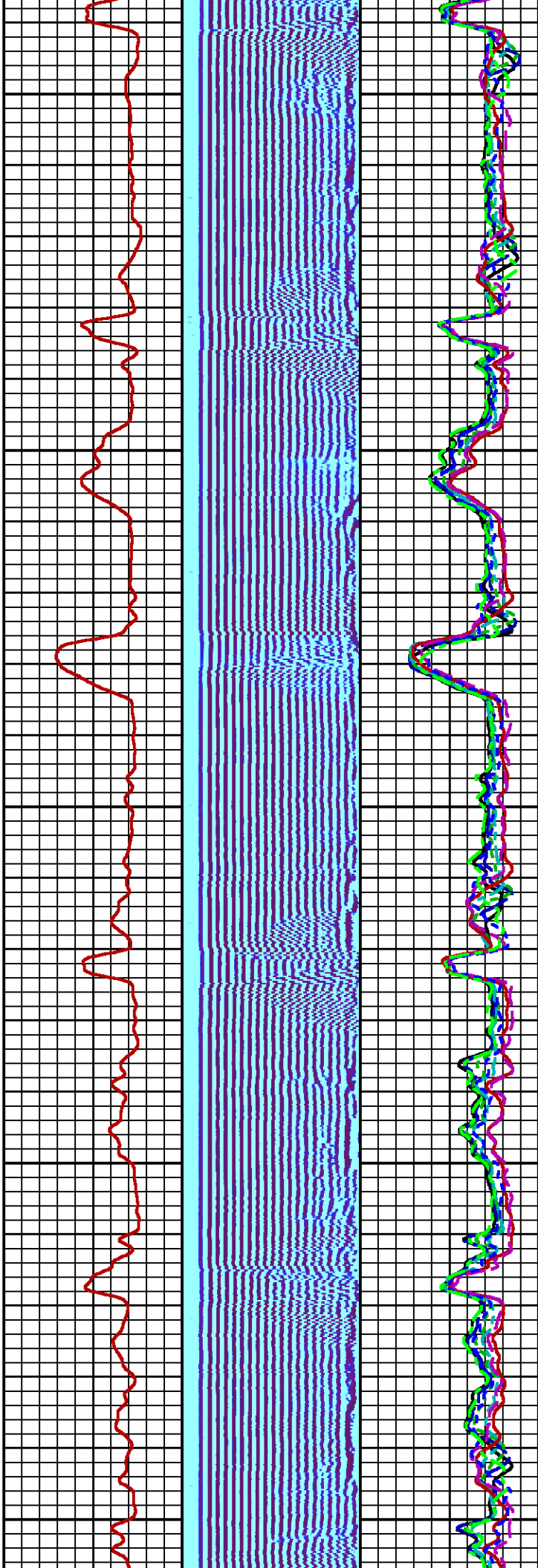




1000

1100

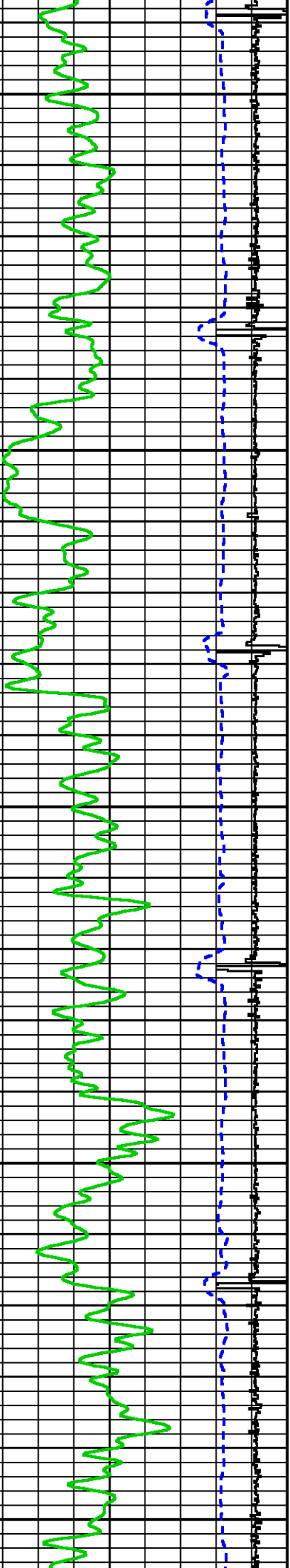


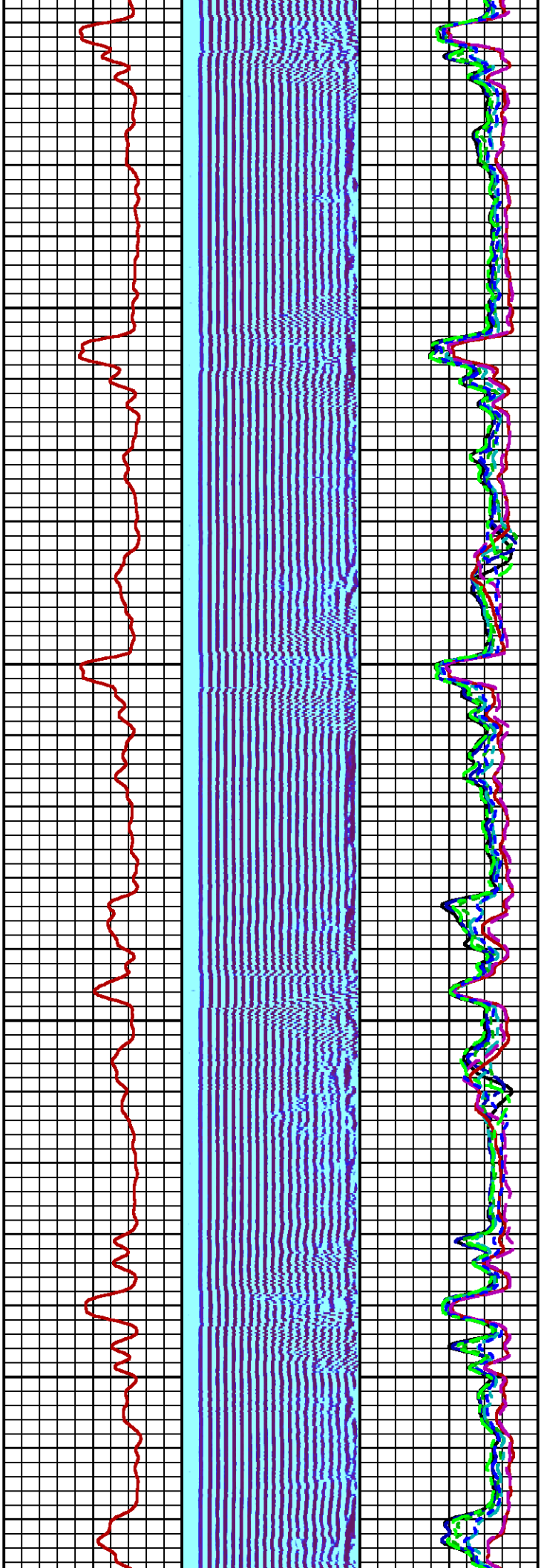


1200

1300

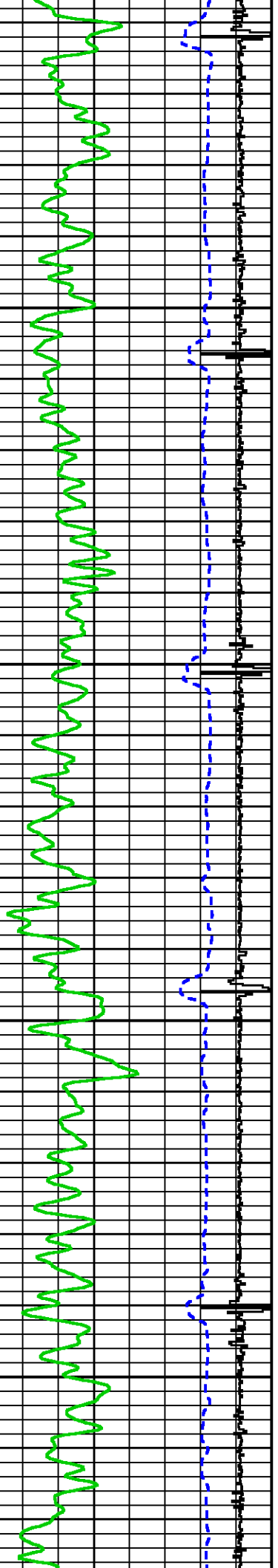
1400

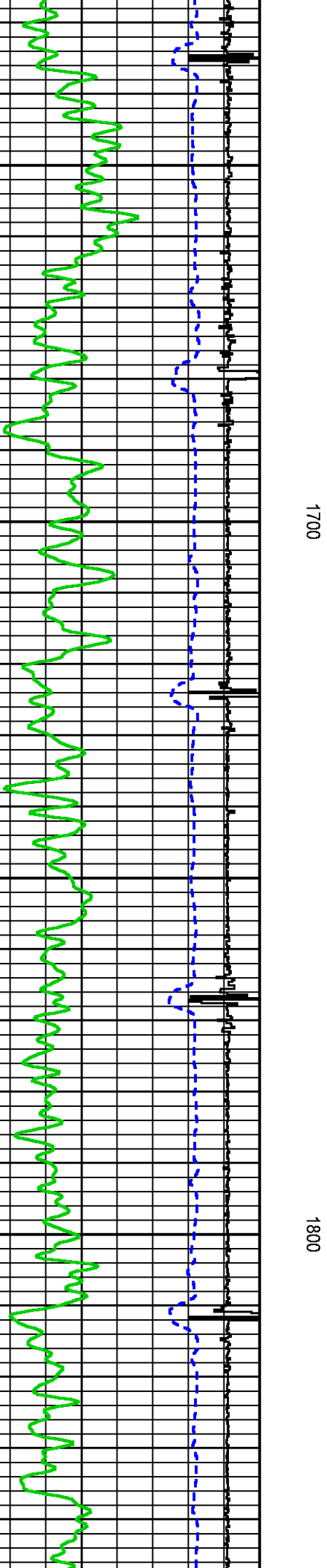
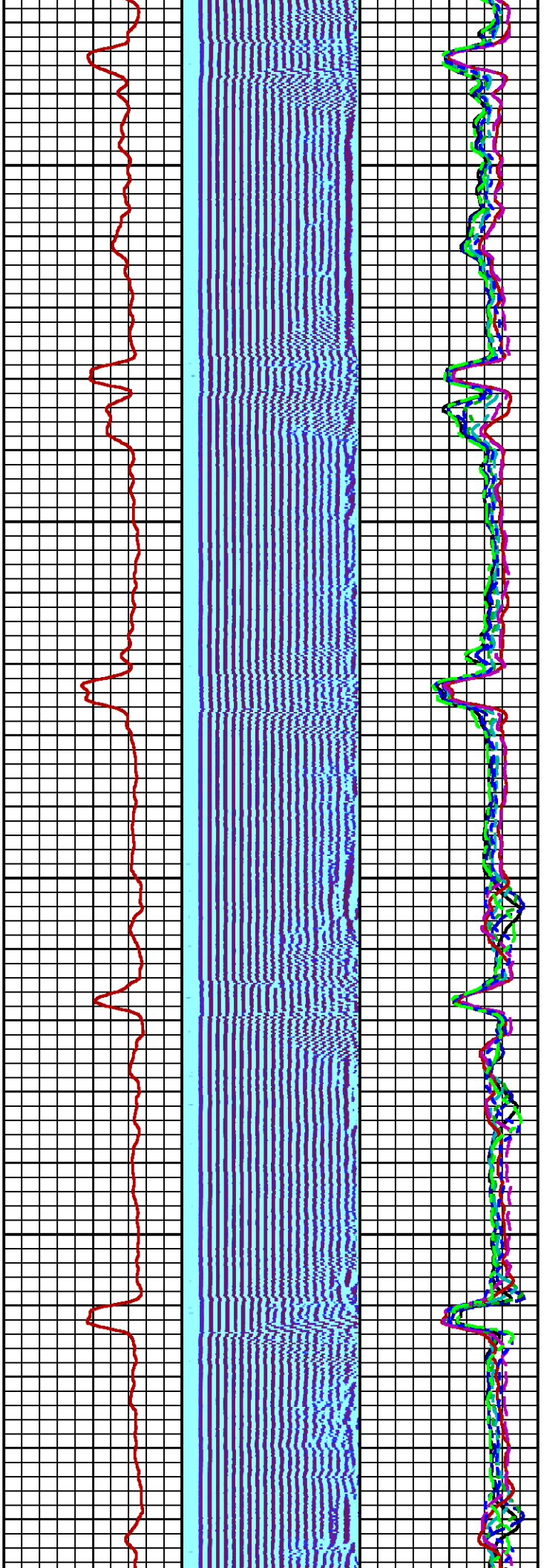


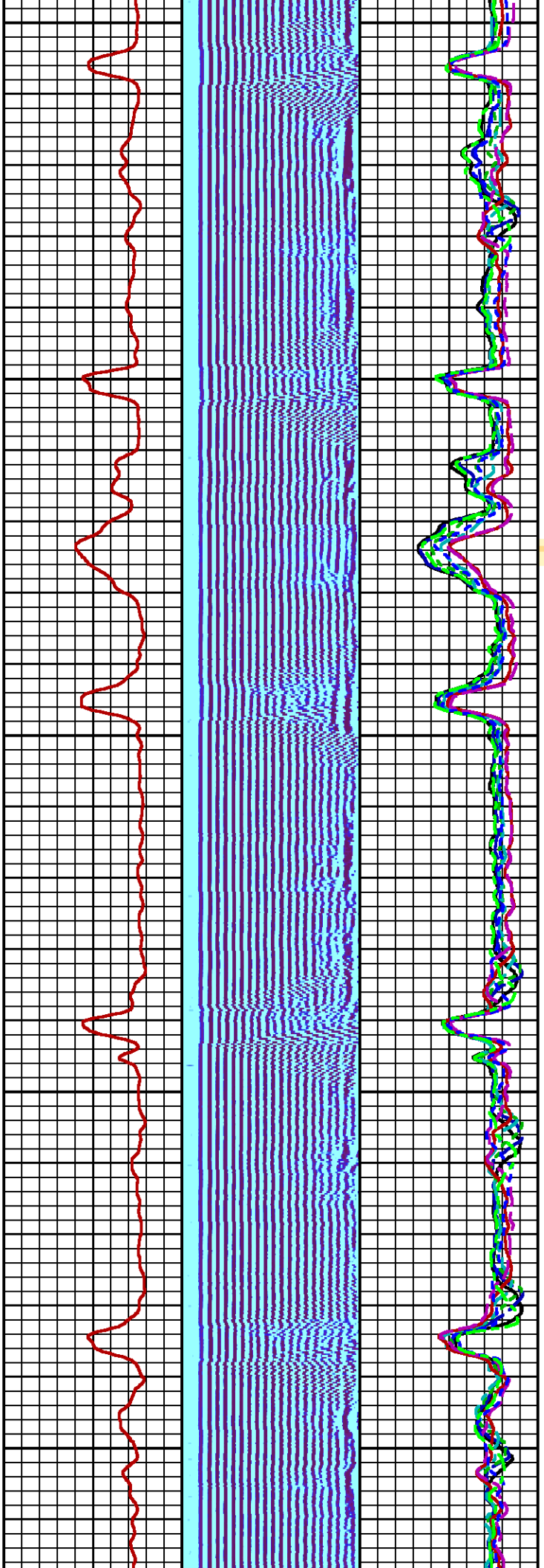


1500

1600

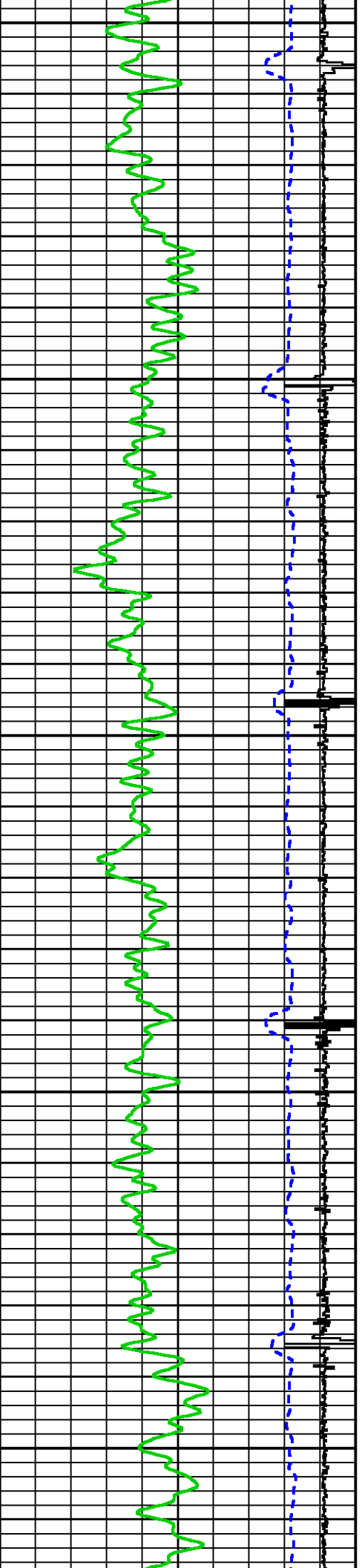


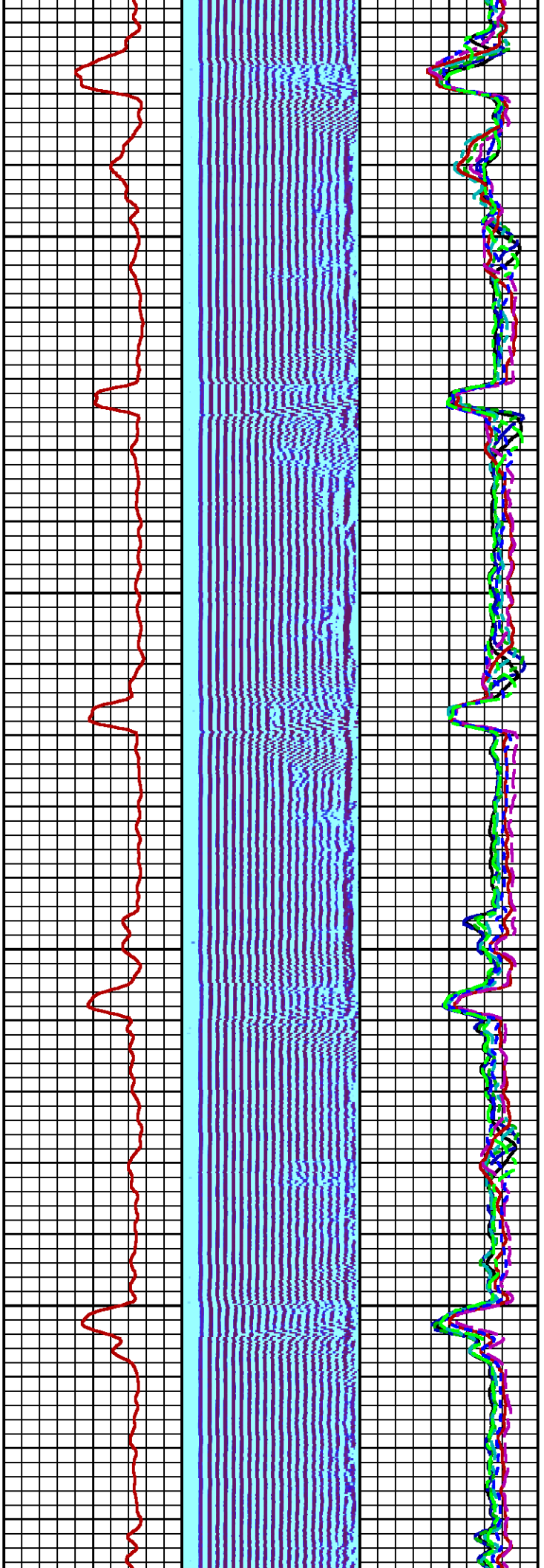




1900

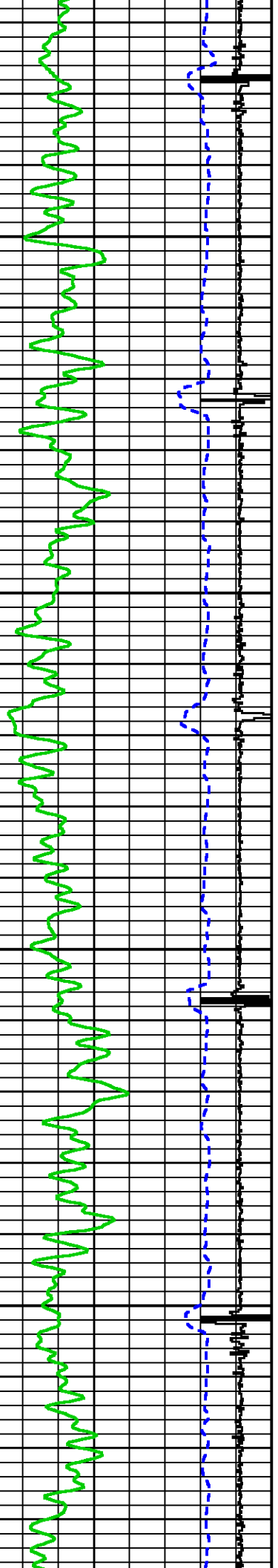
2000

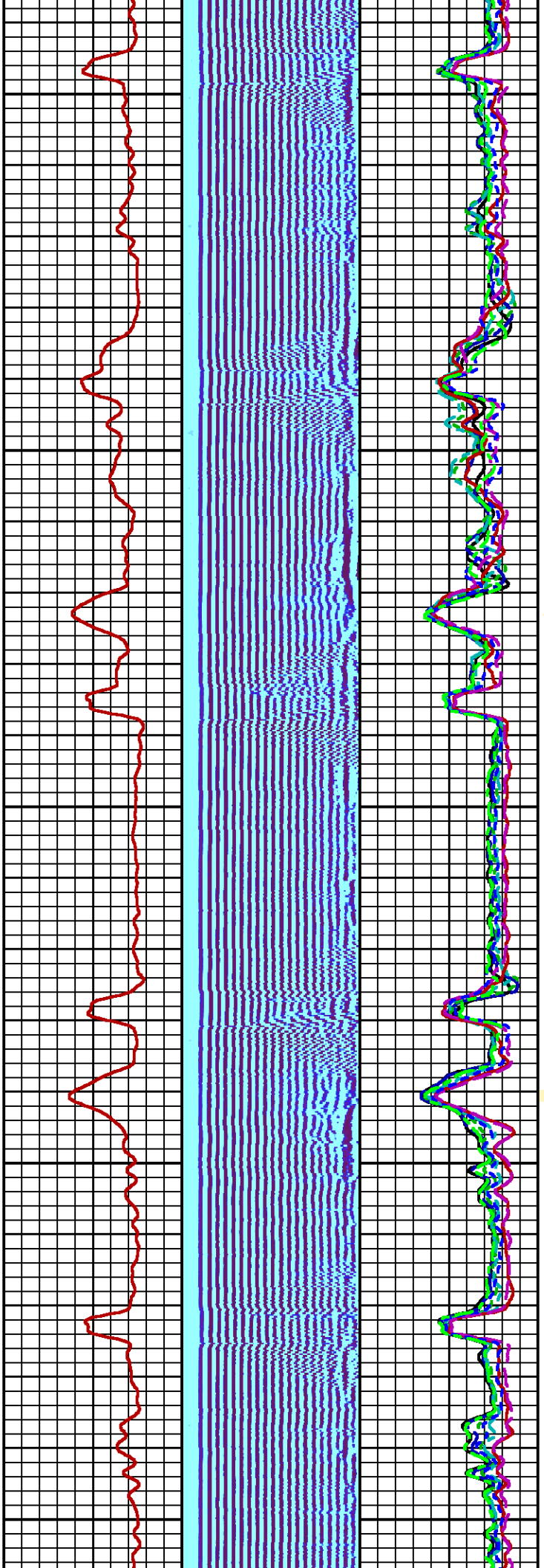




2100

2200

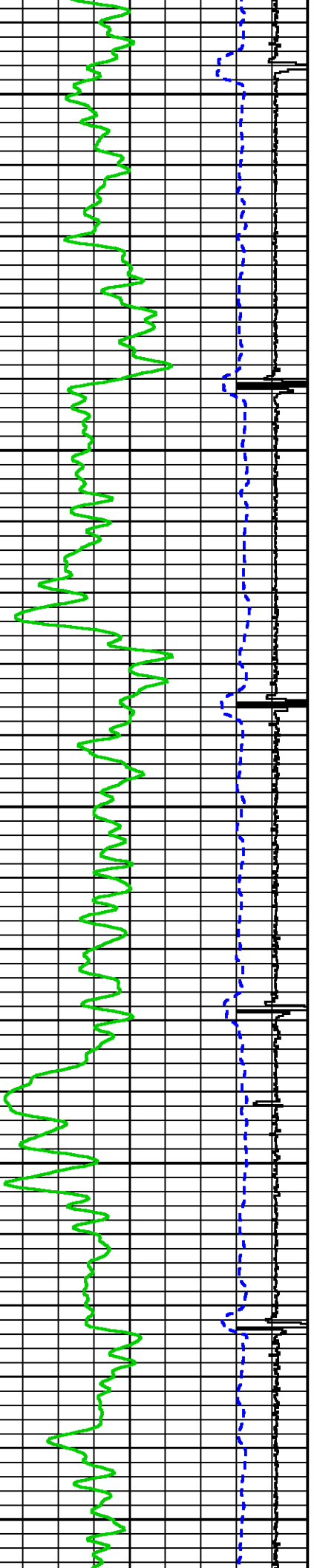


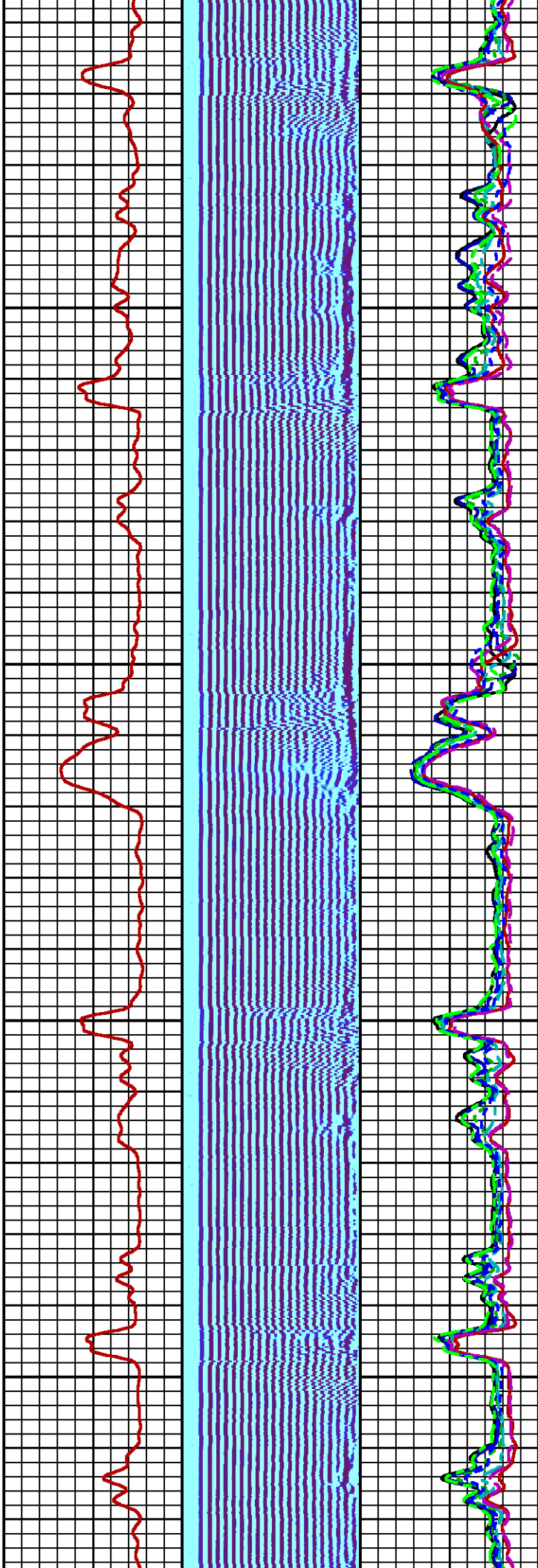


2300

2400

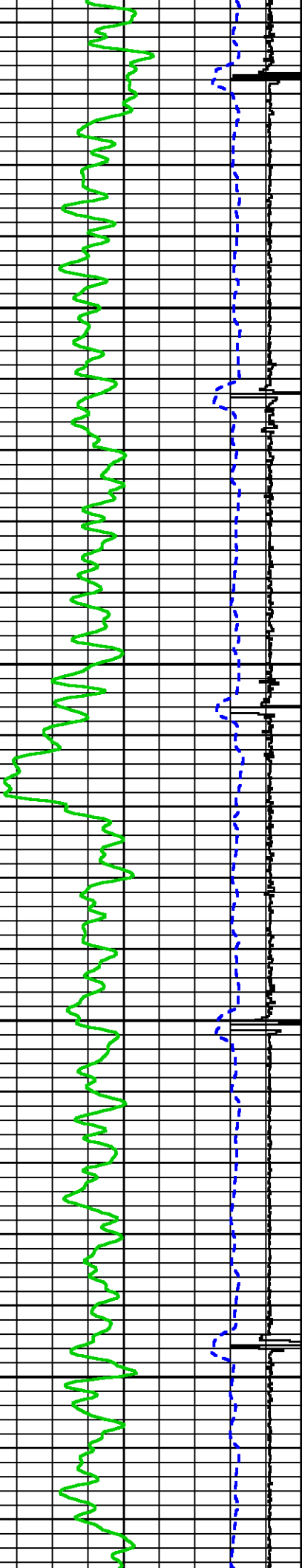
2500

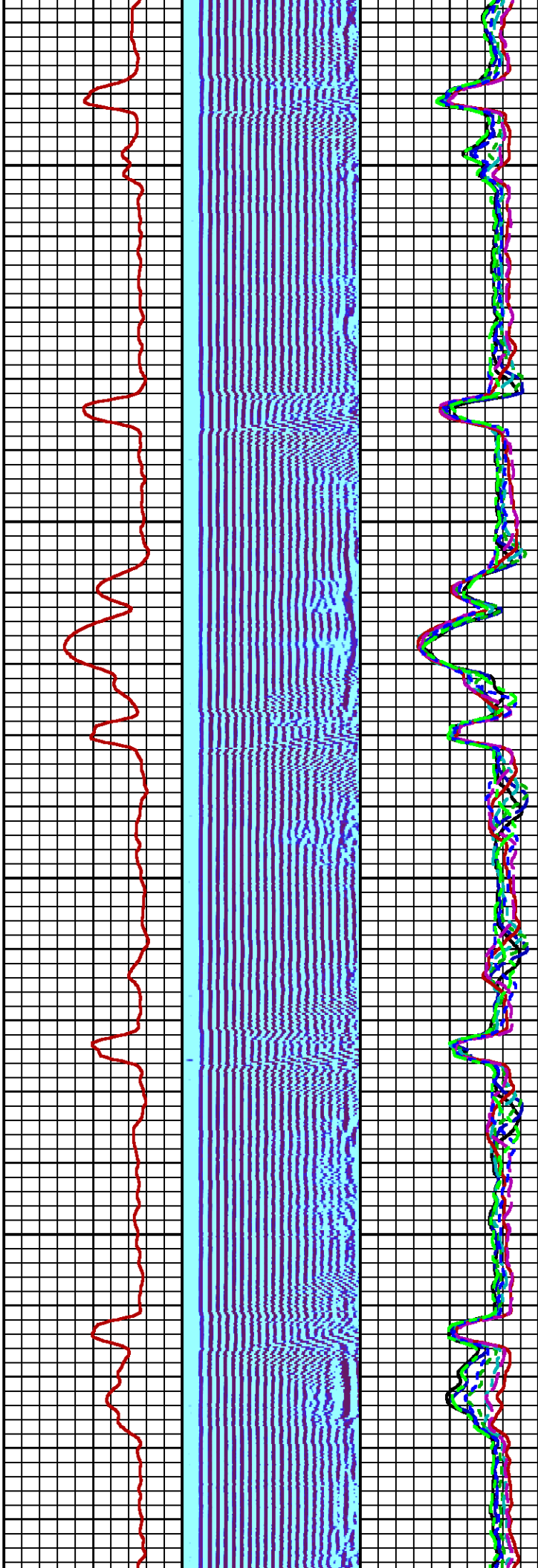




2600

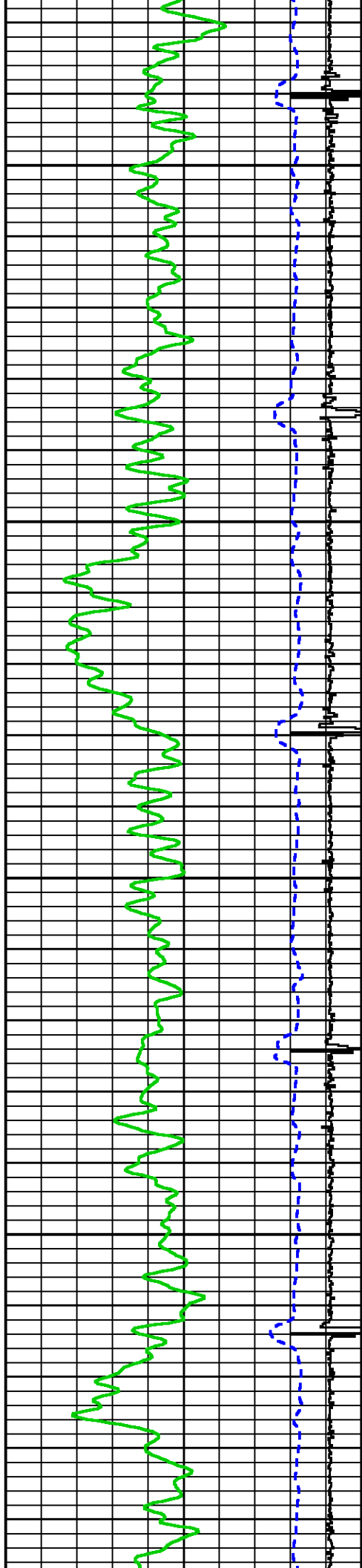
2700

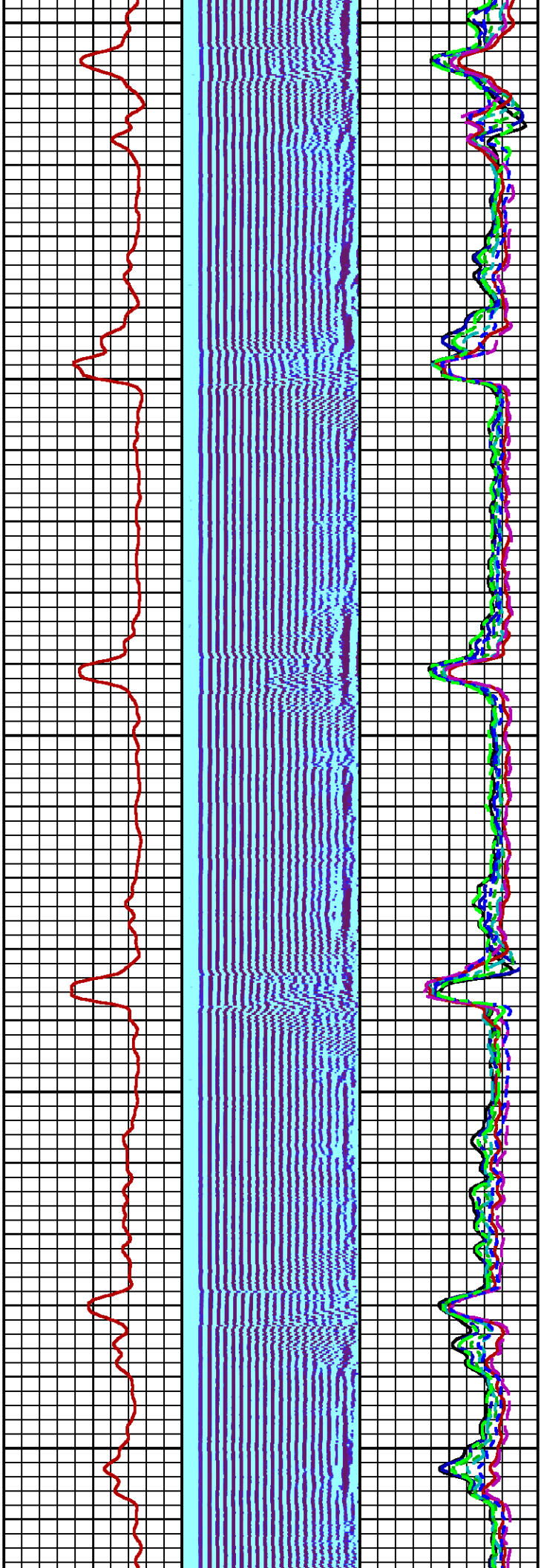




2800

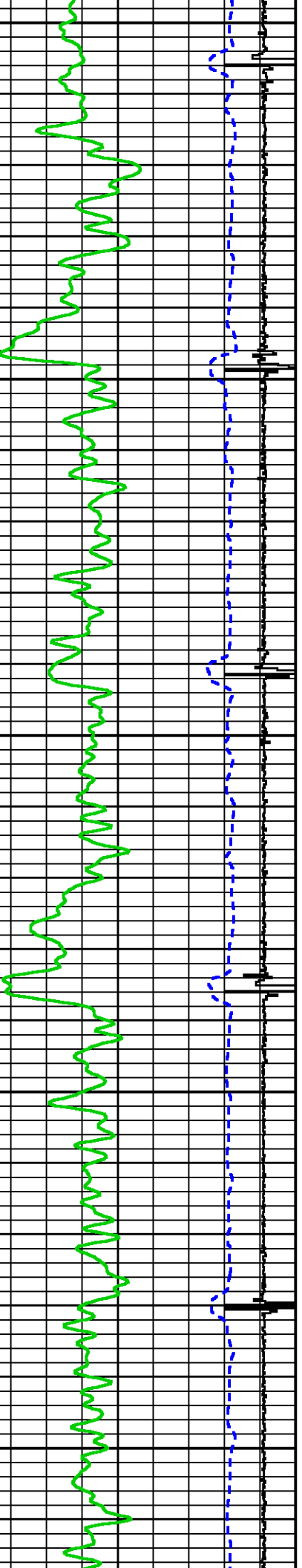
2900

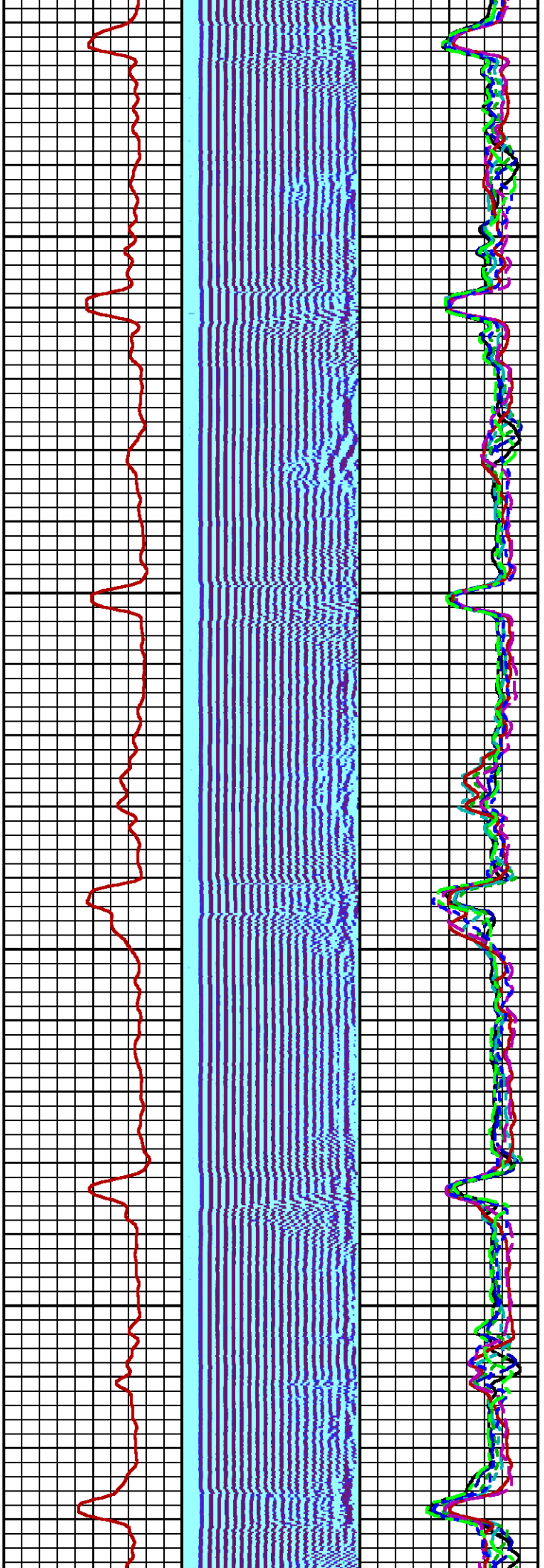




3000

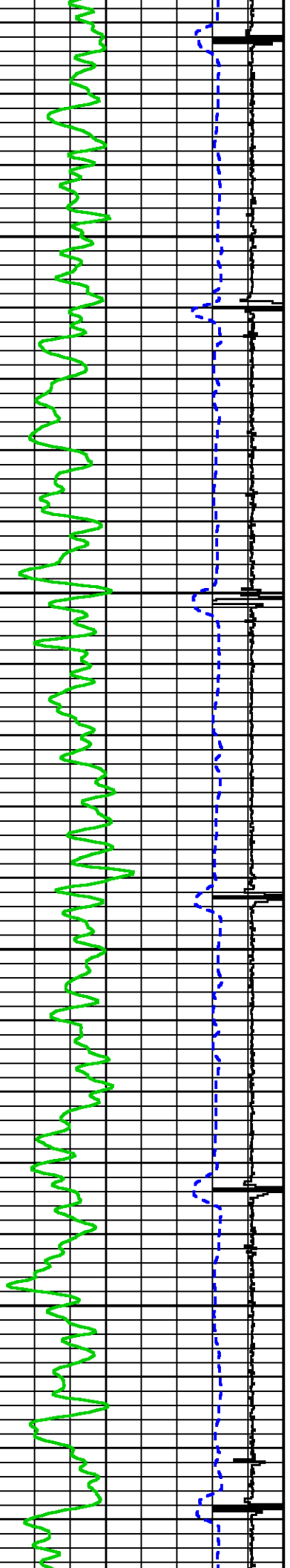
3100

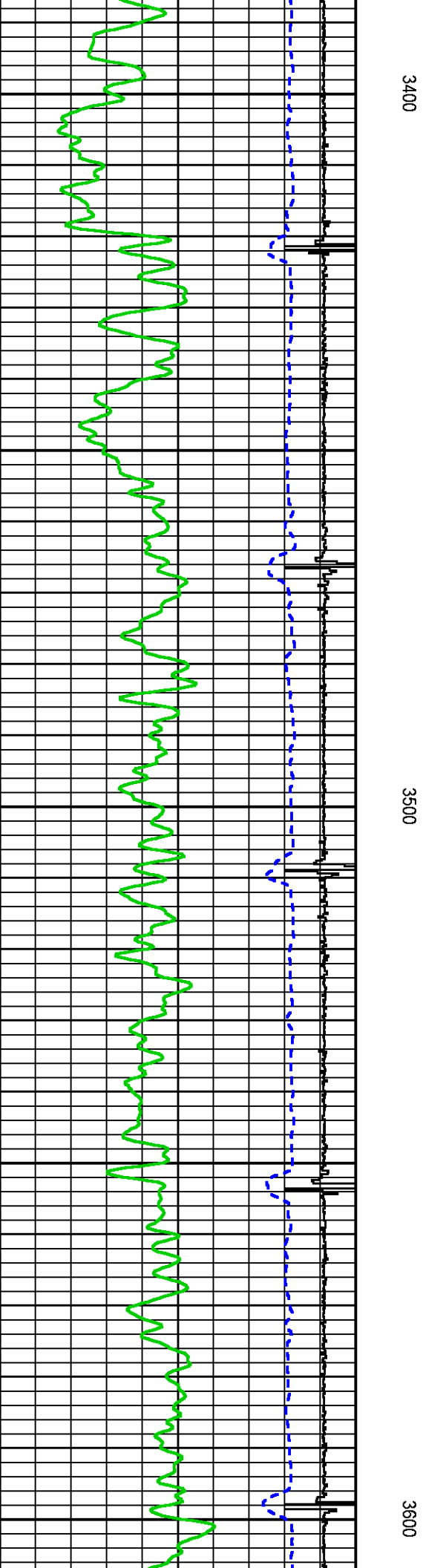
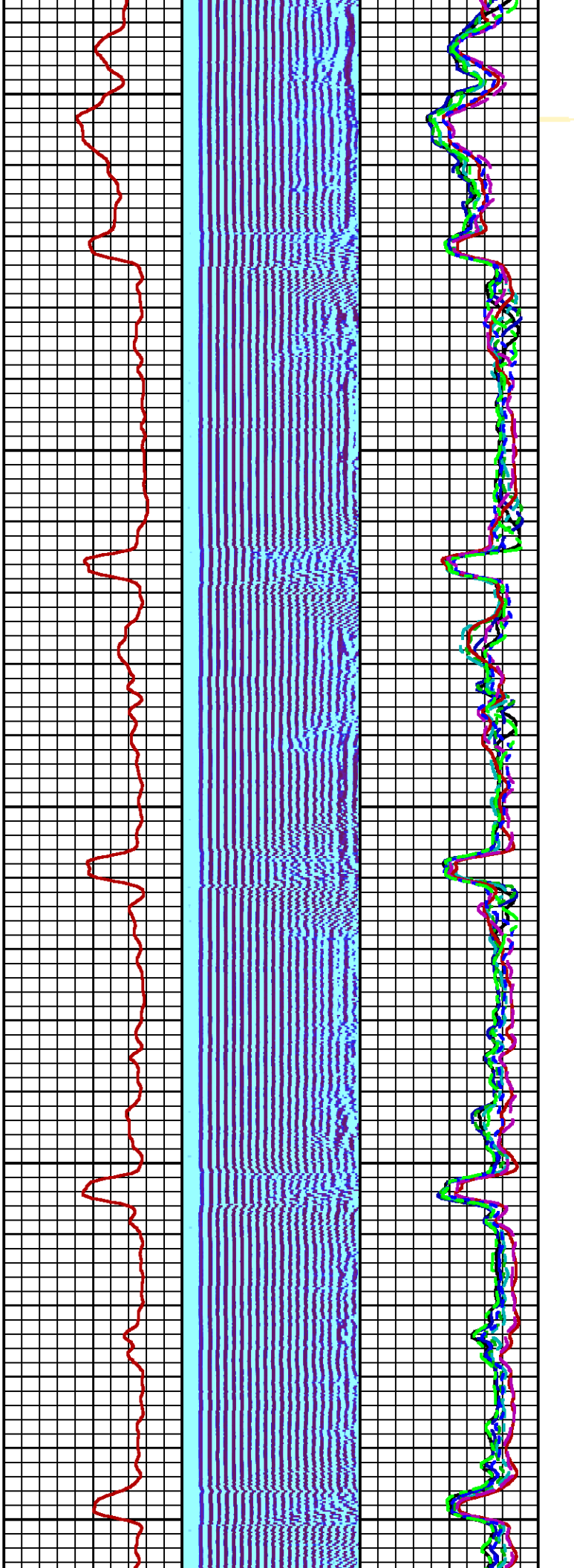


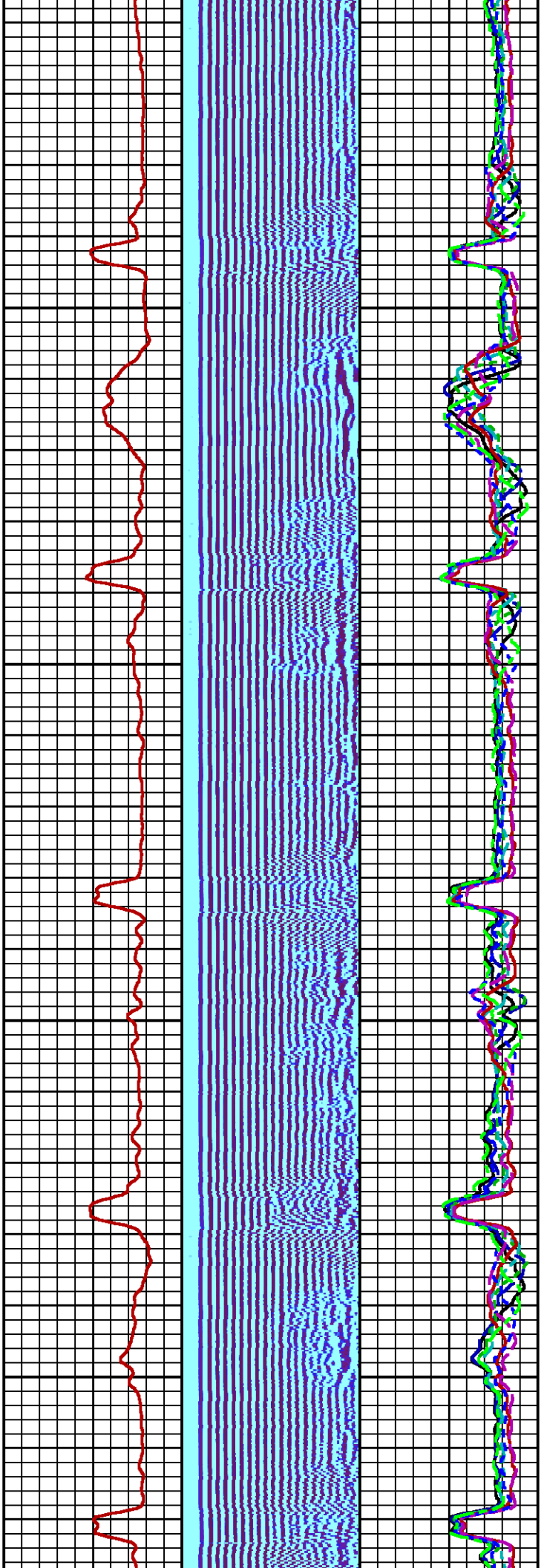


3200

3300

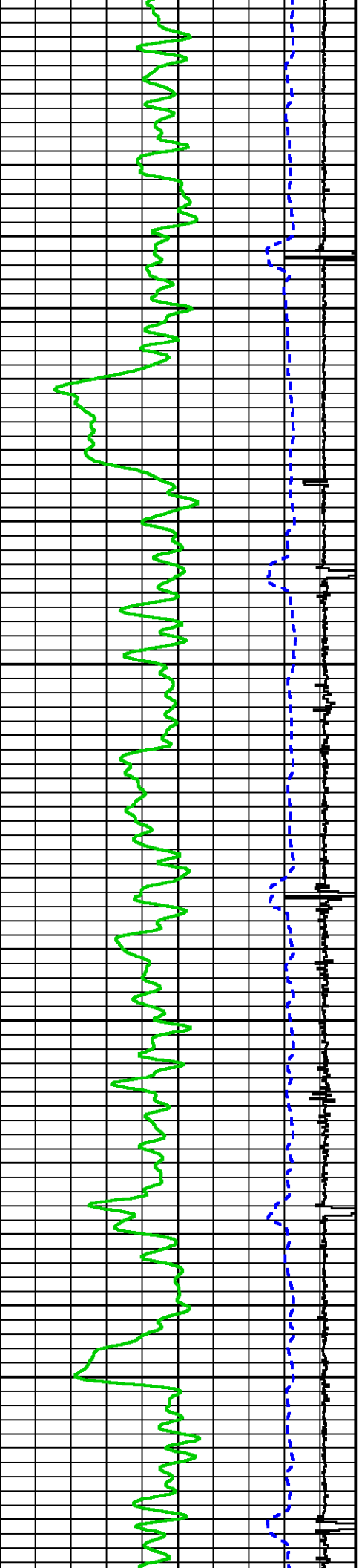


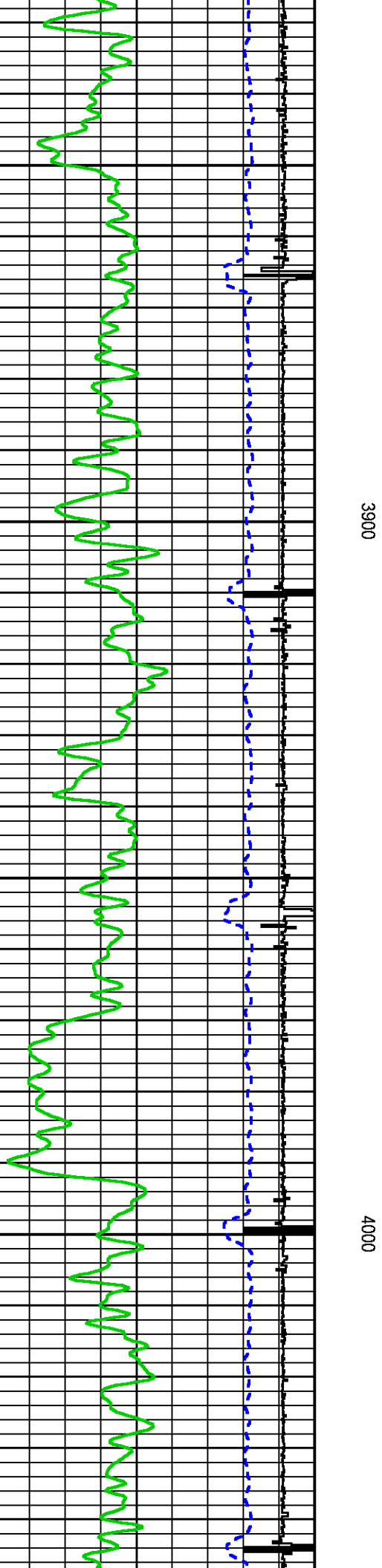
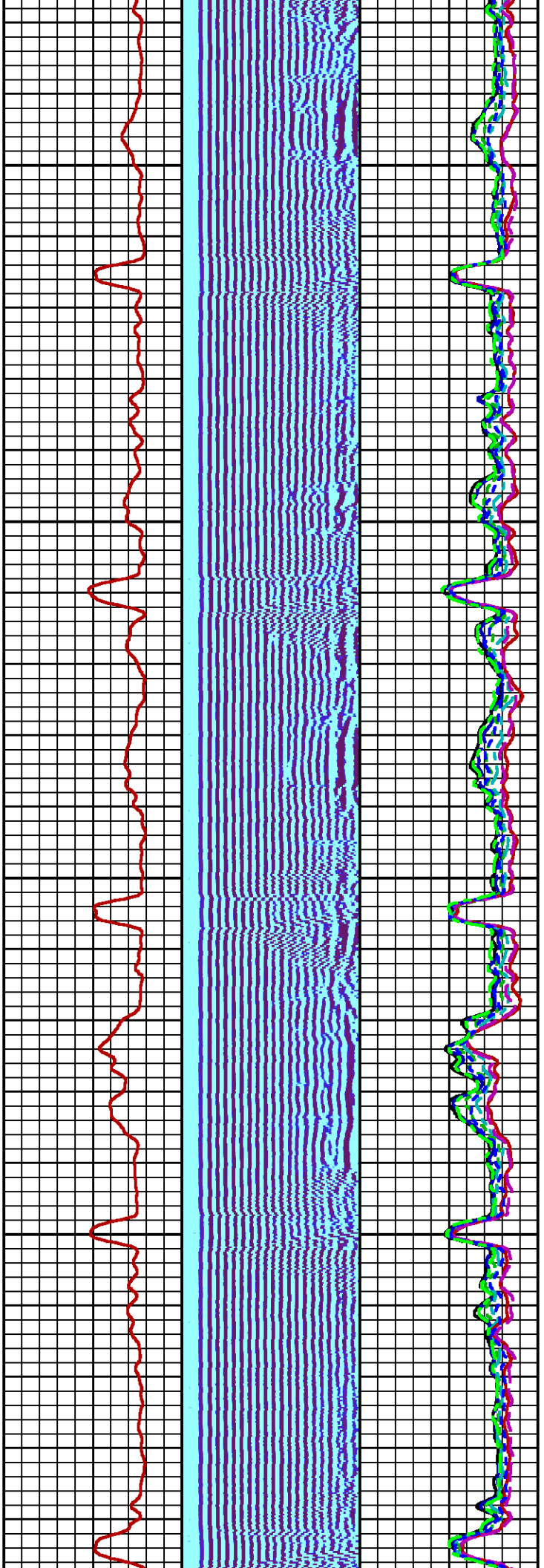


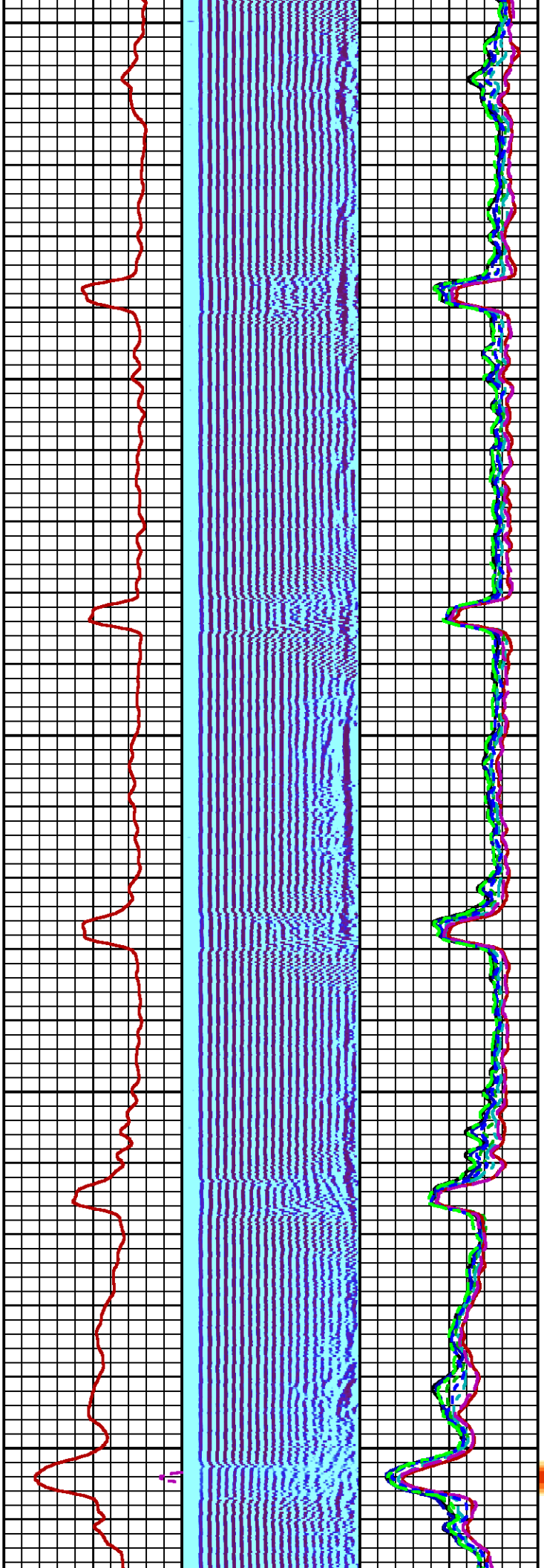


3700

3800

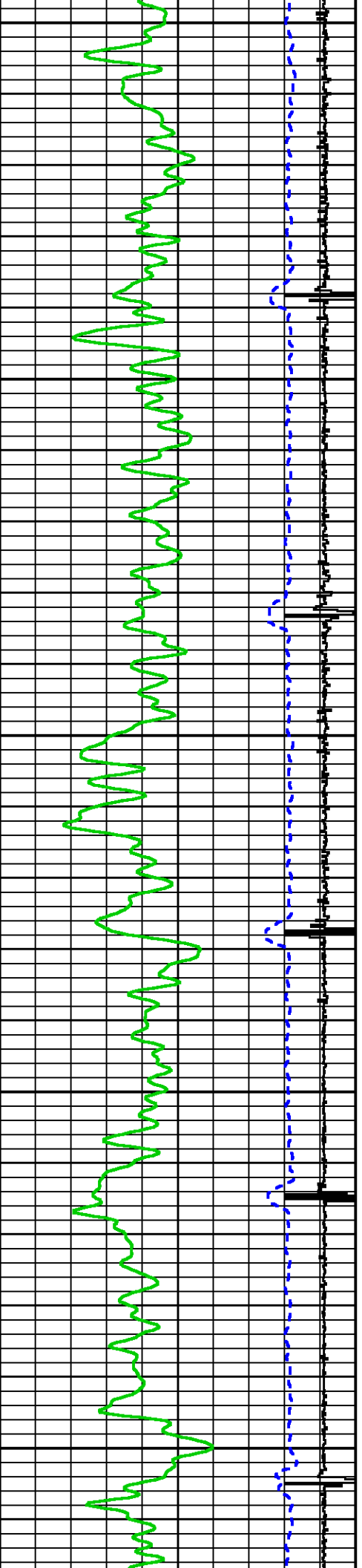


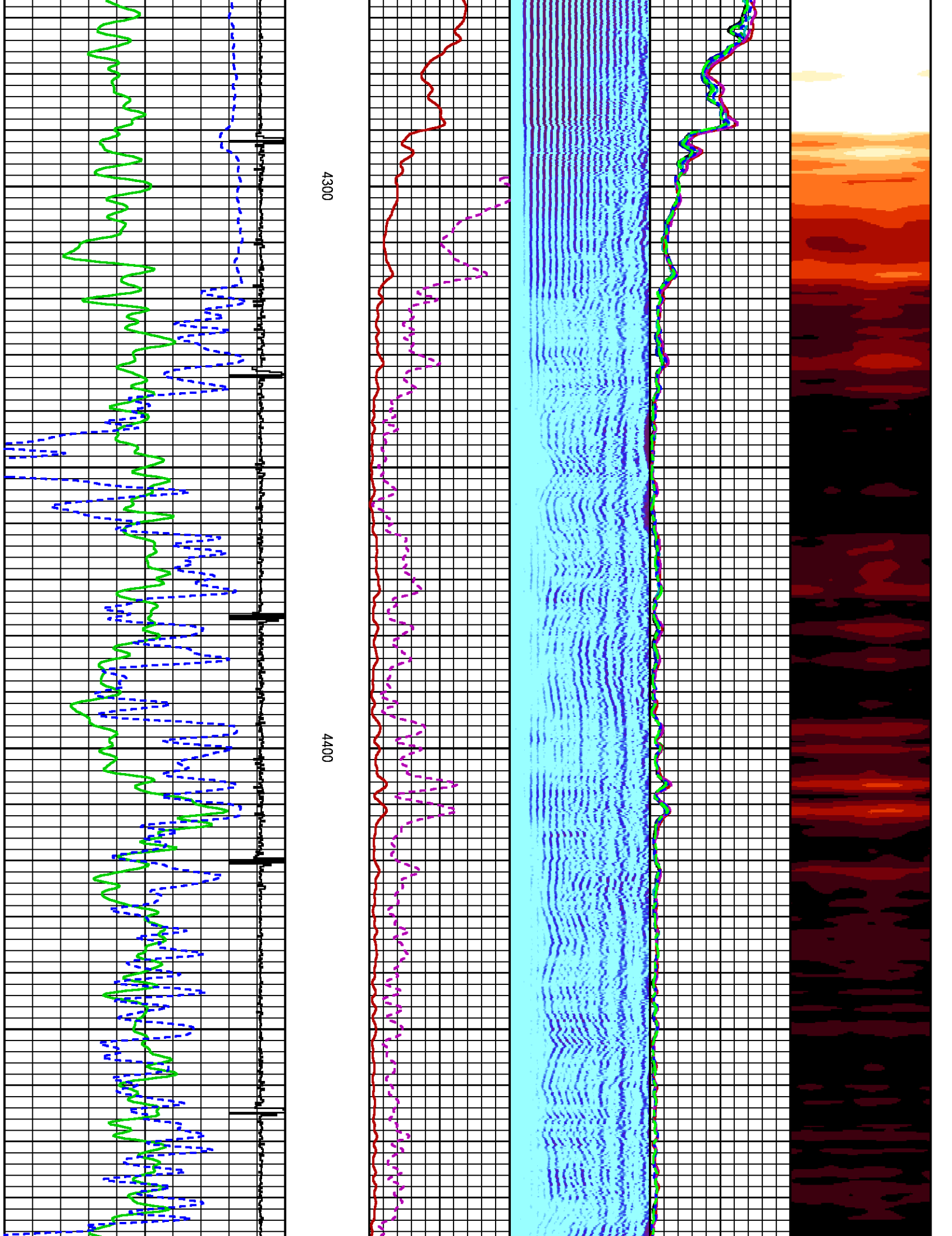


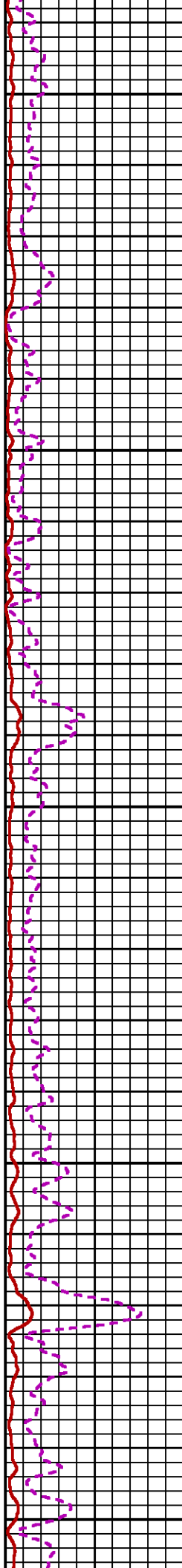
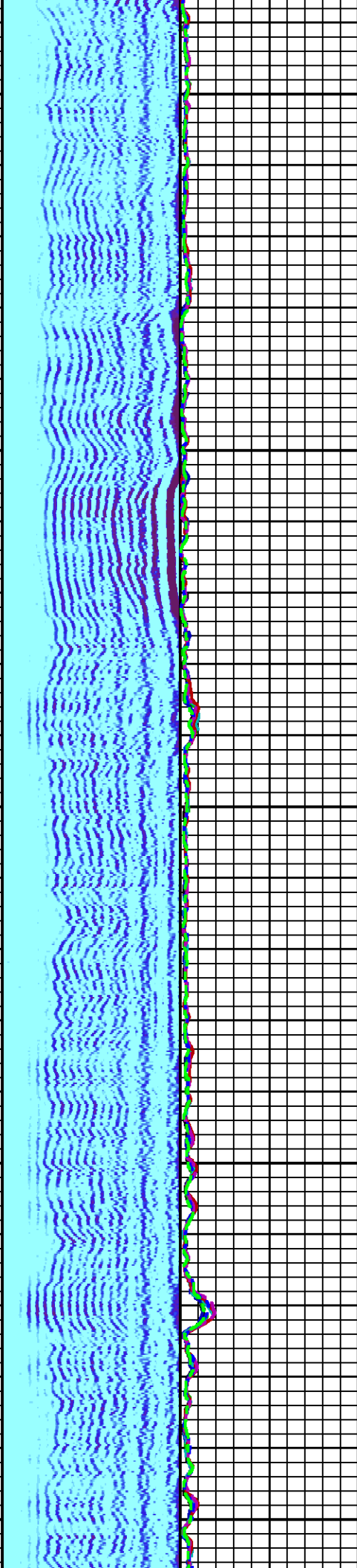


4100

4200



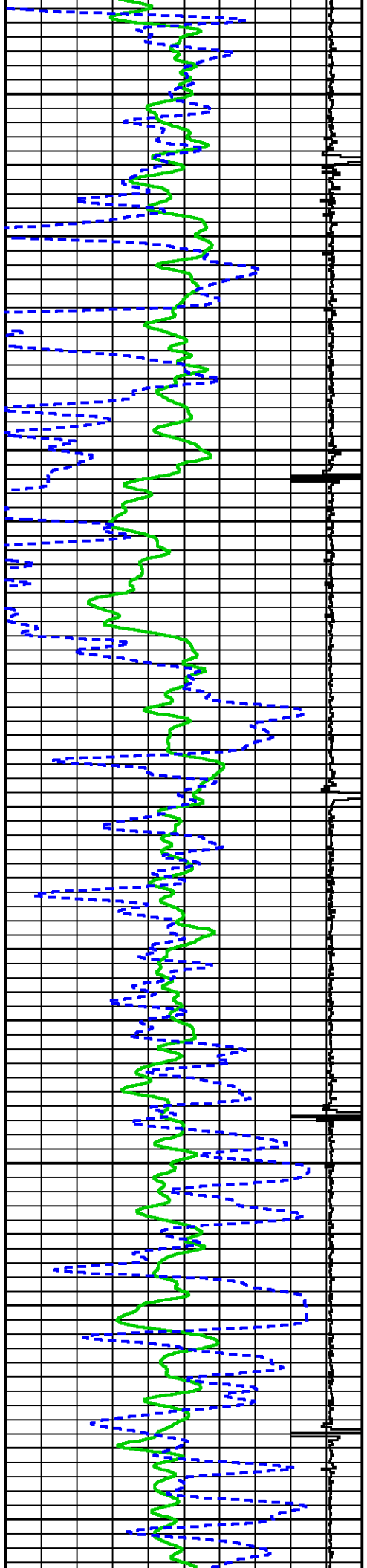


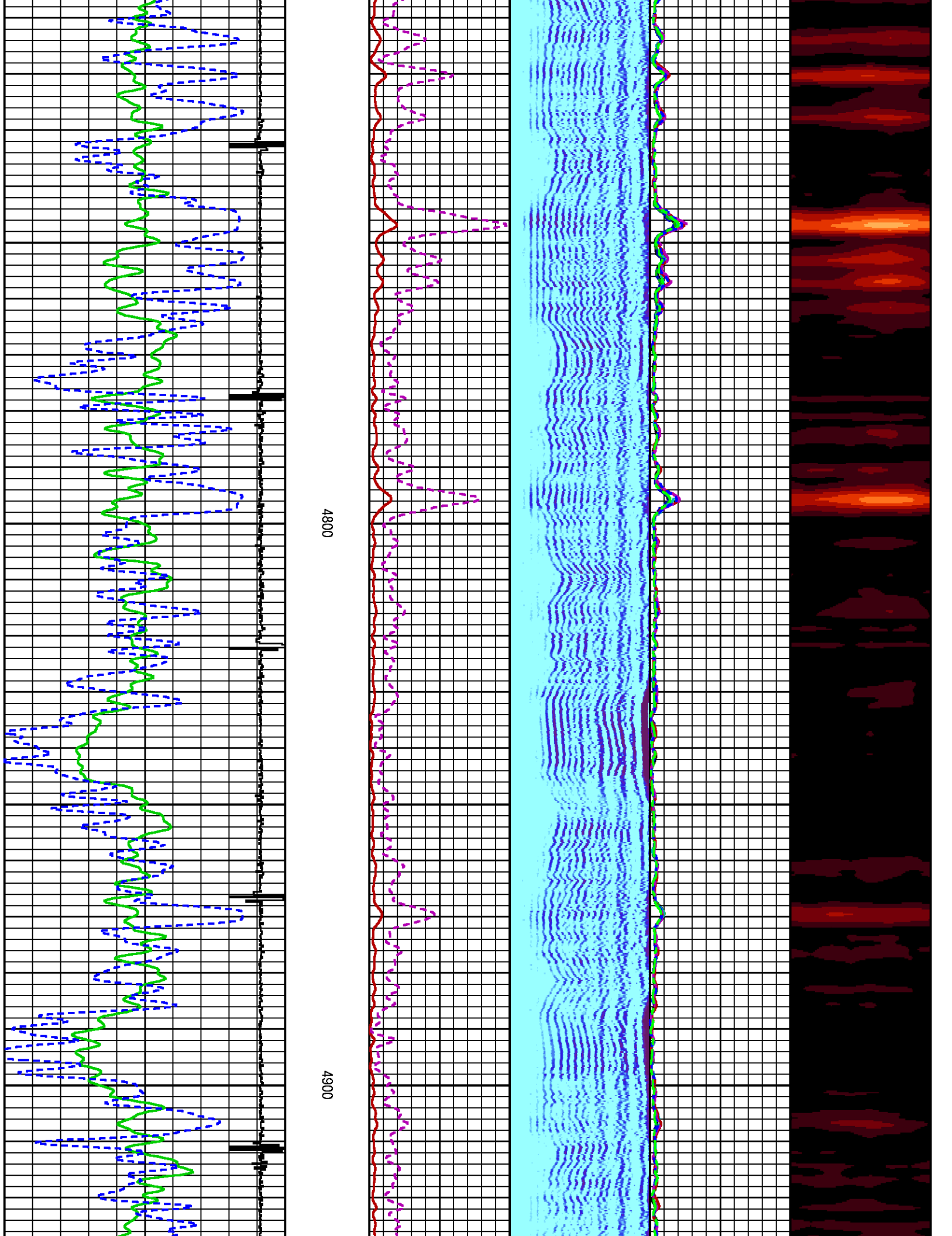


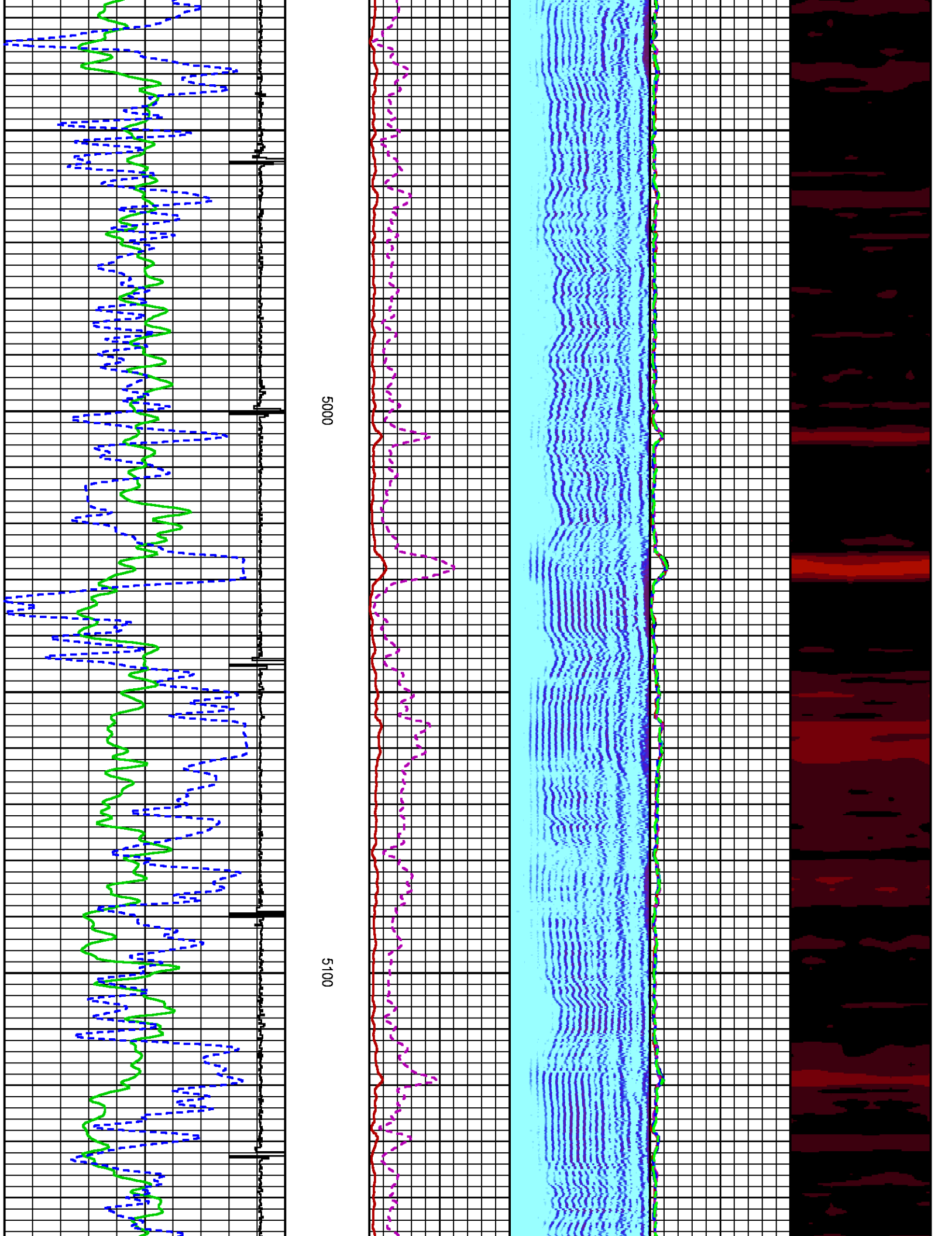
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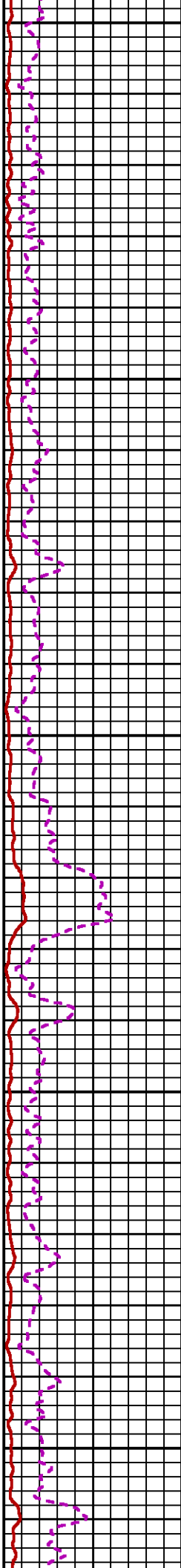
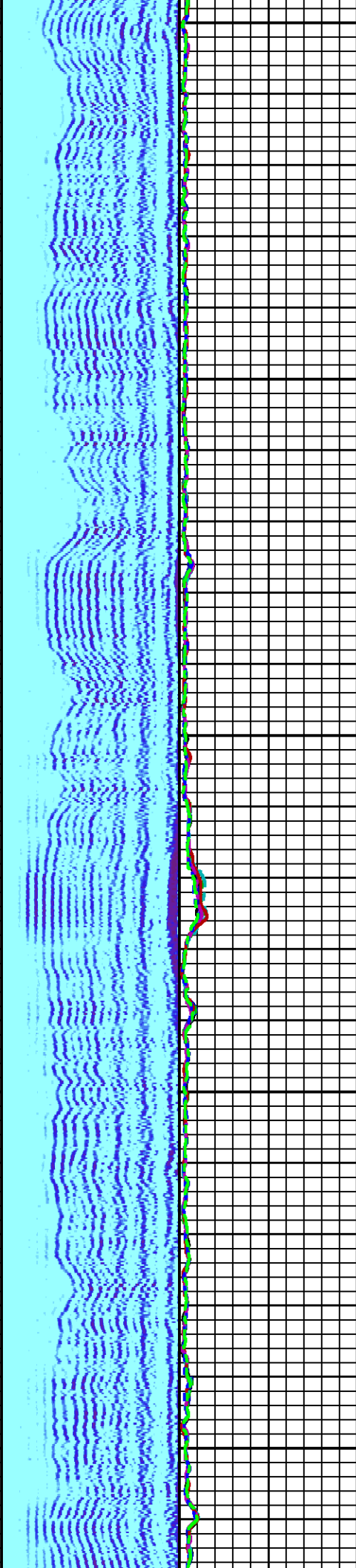
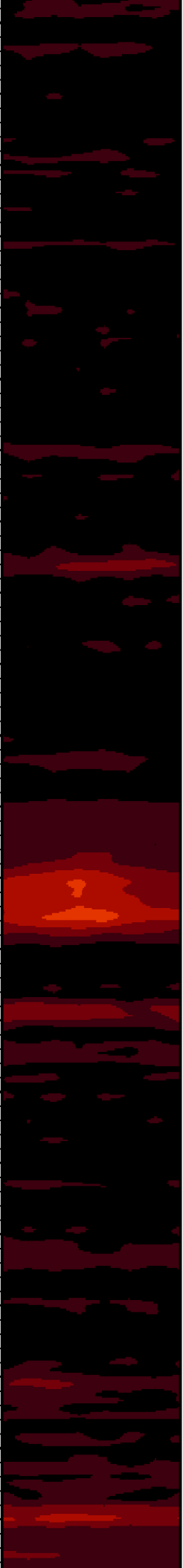
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4700



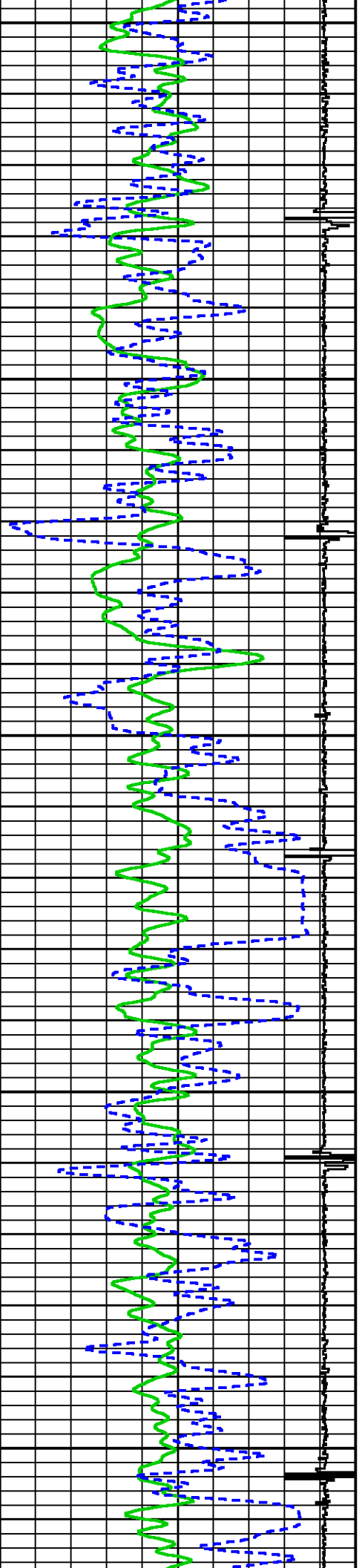


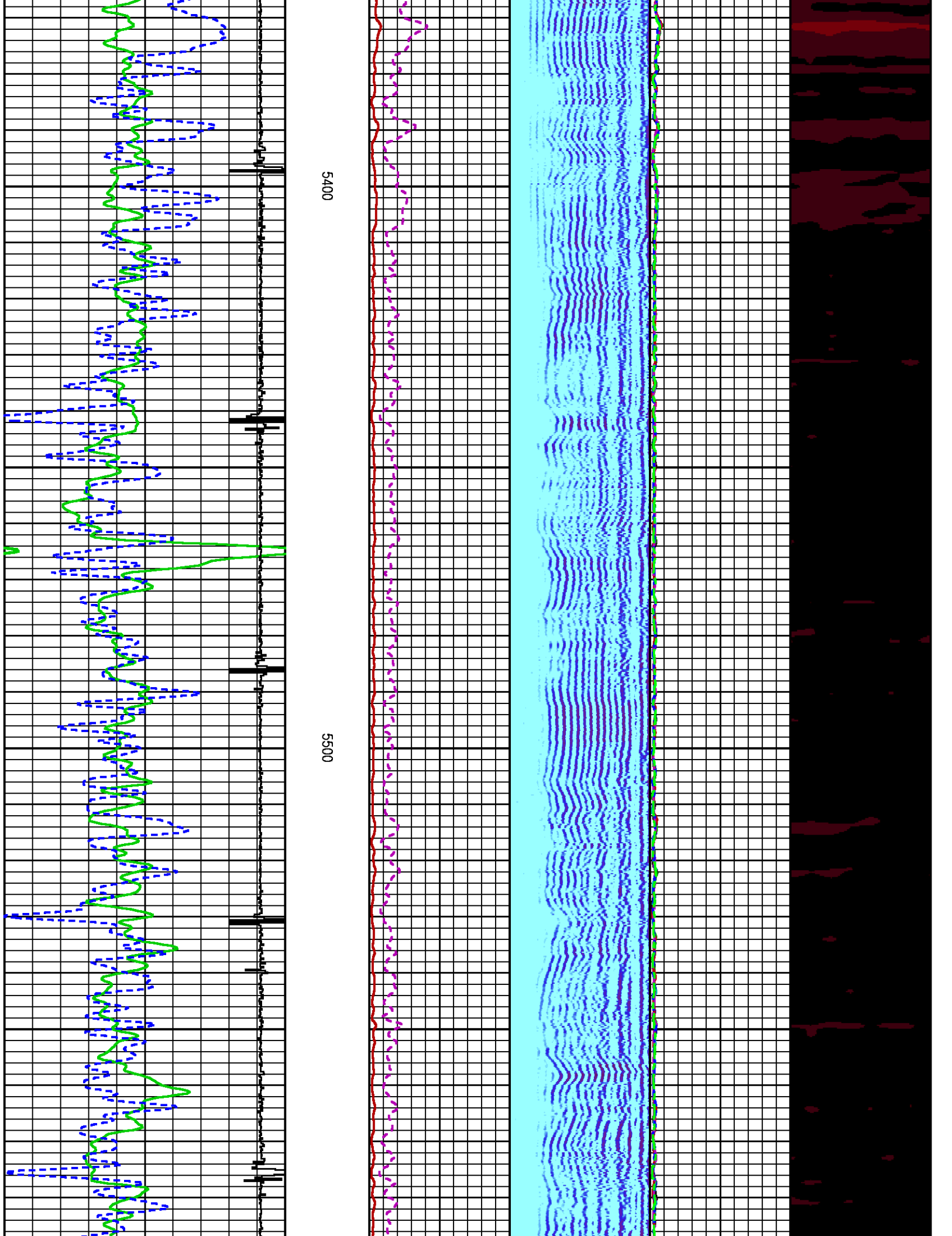


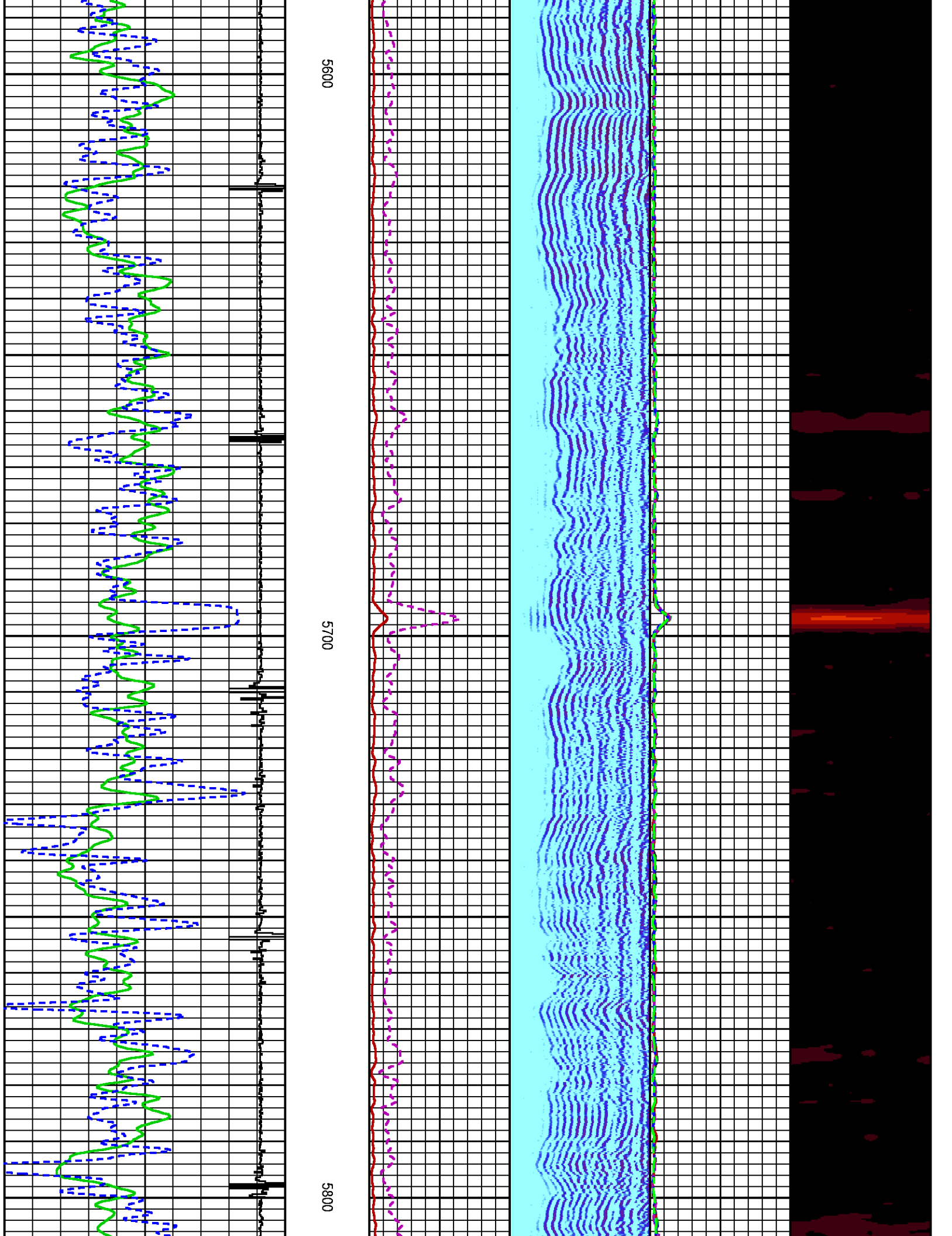


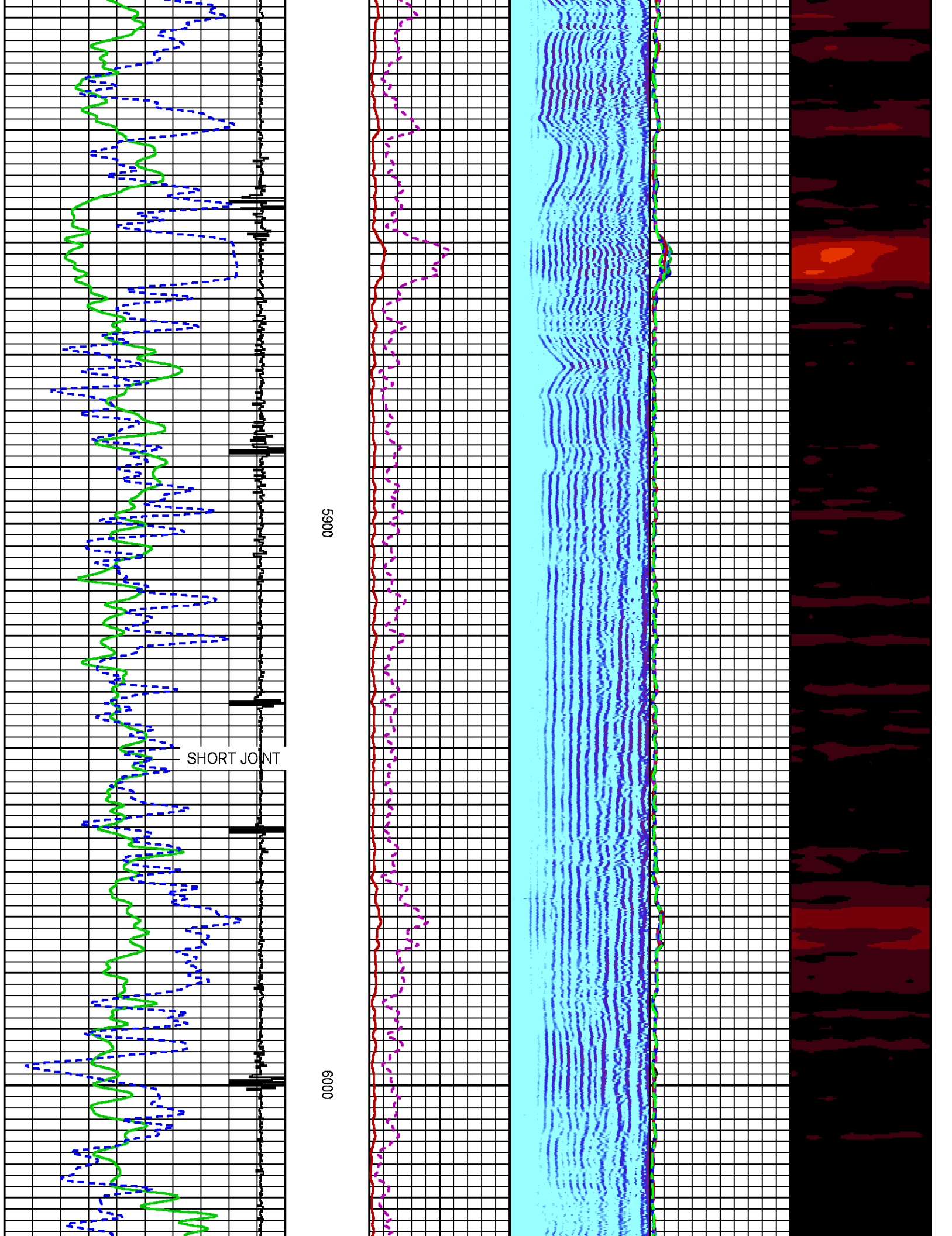
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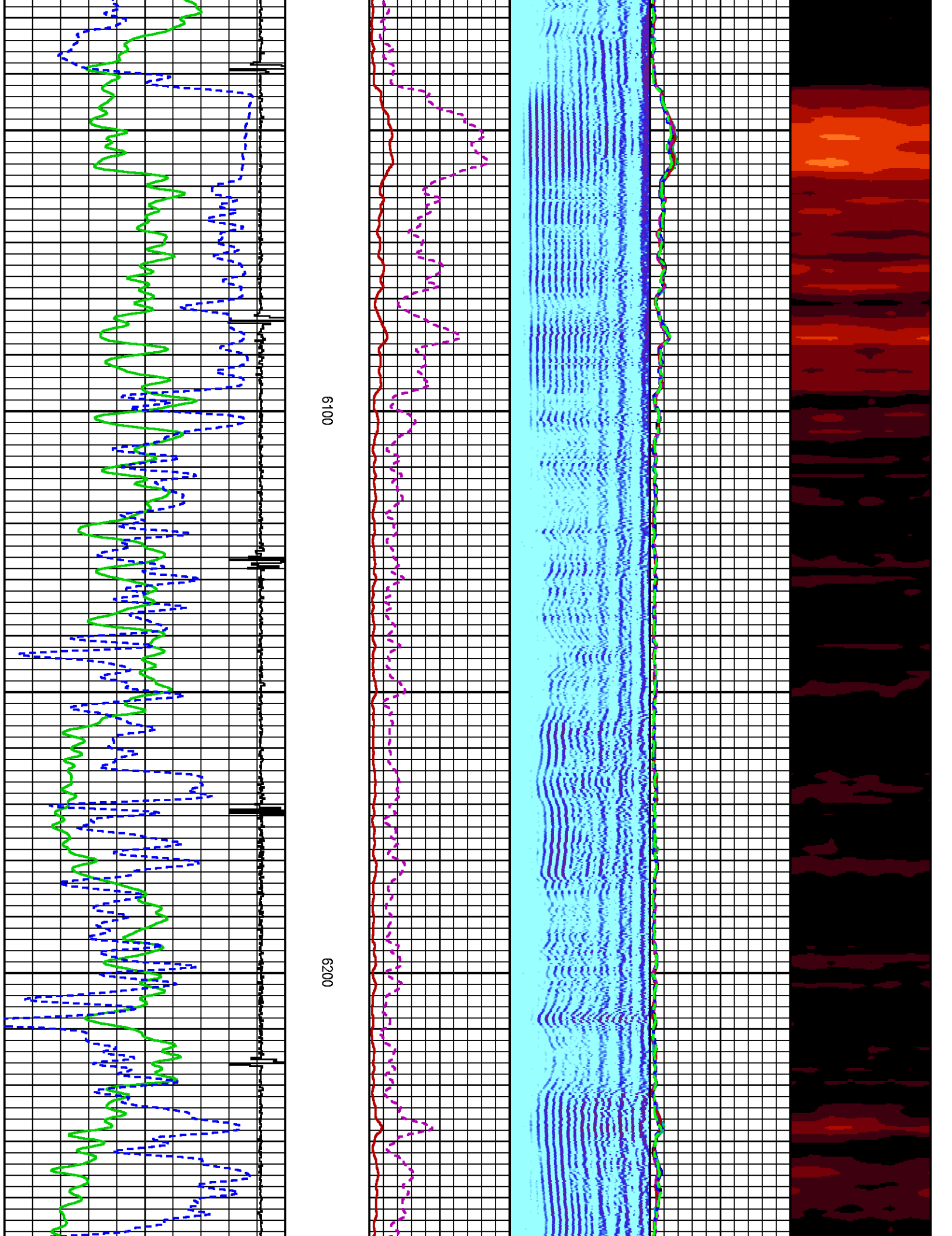
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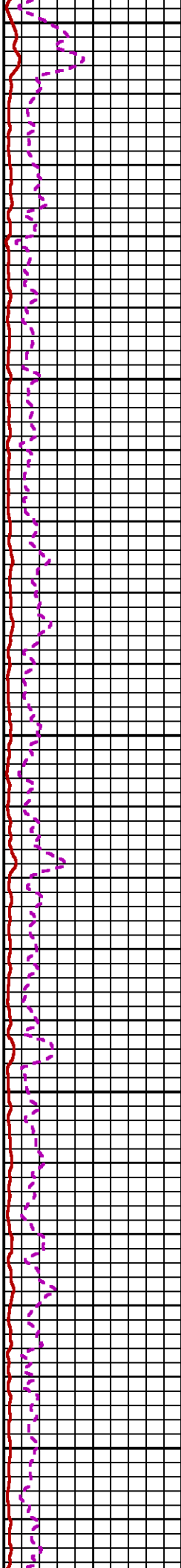
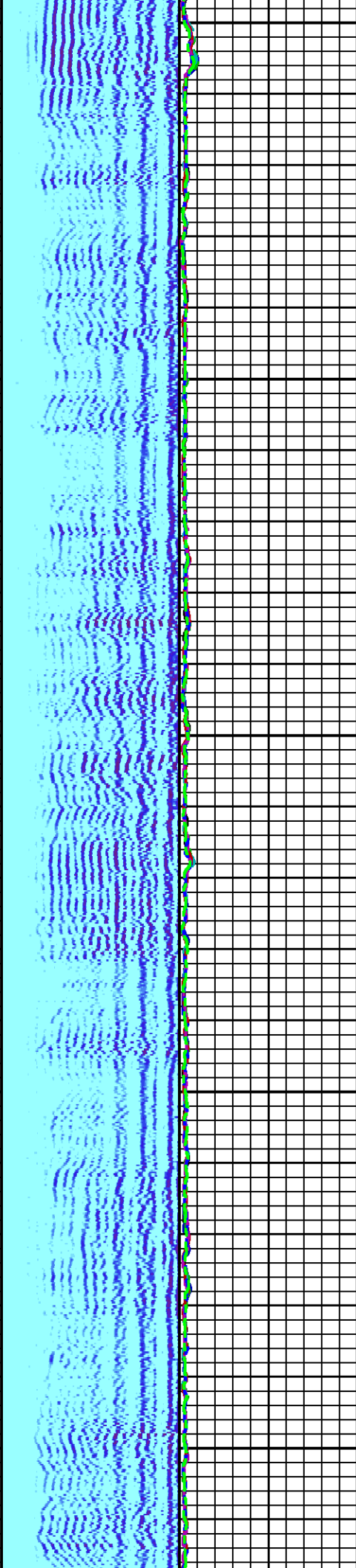






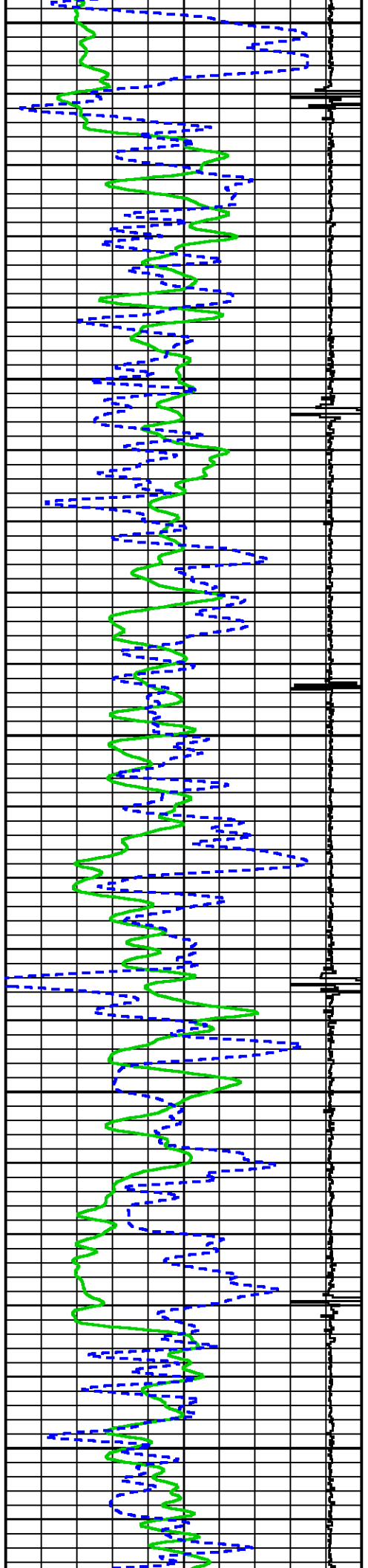


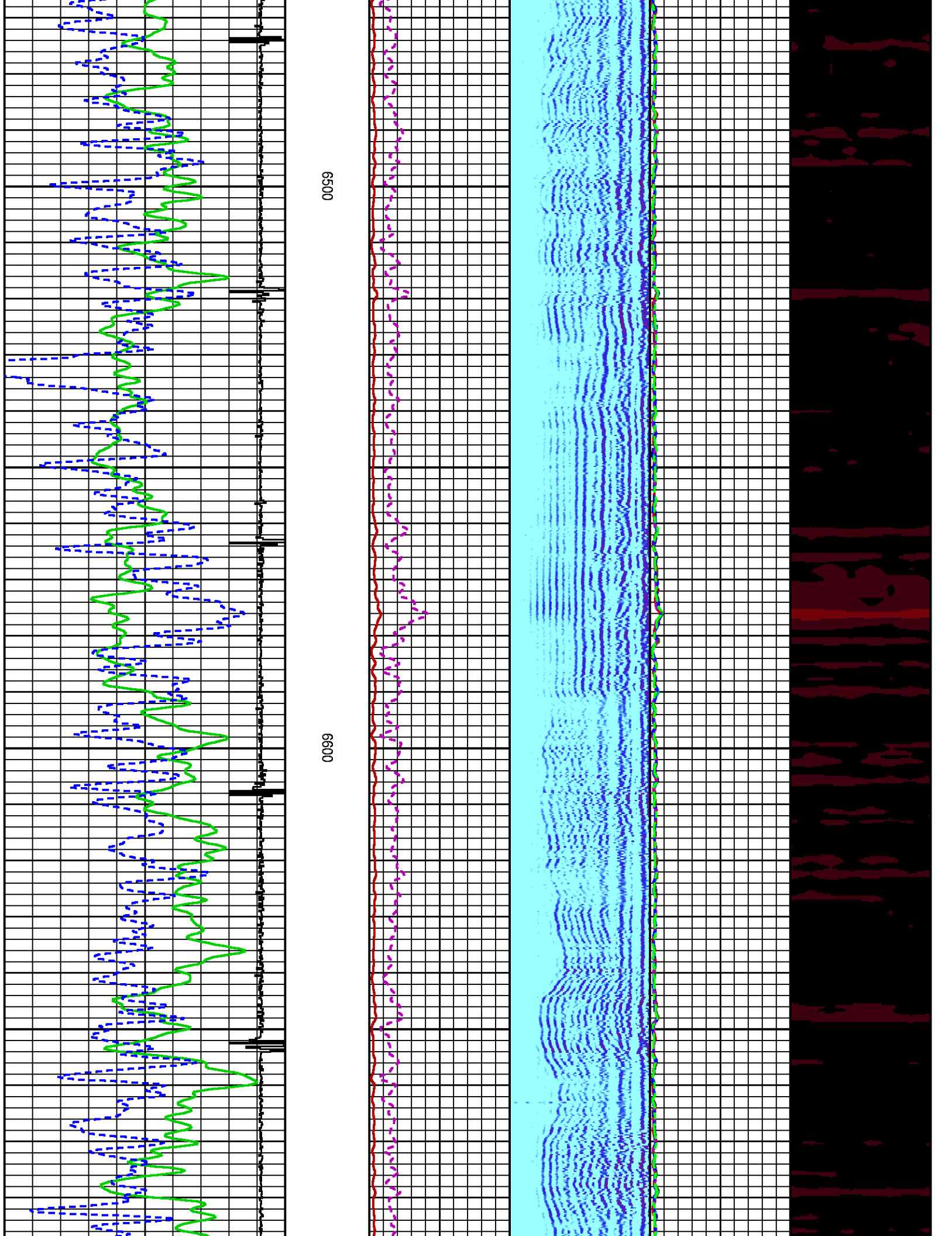


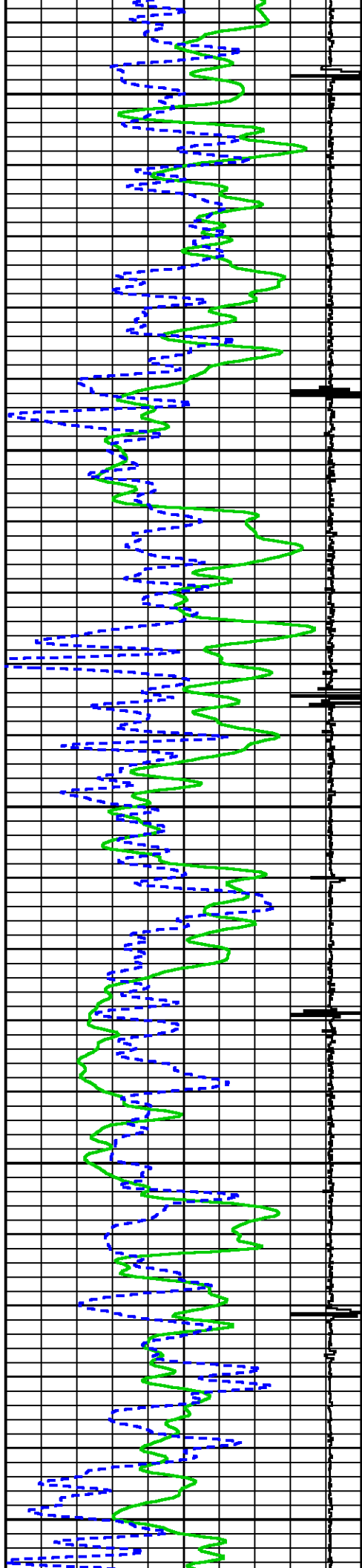


6300

6400



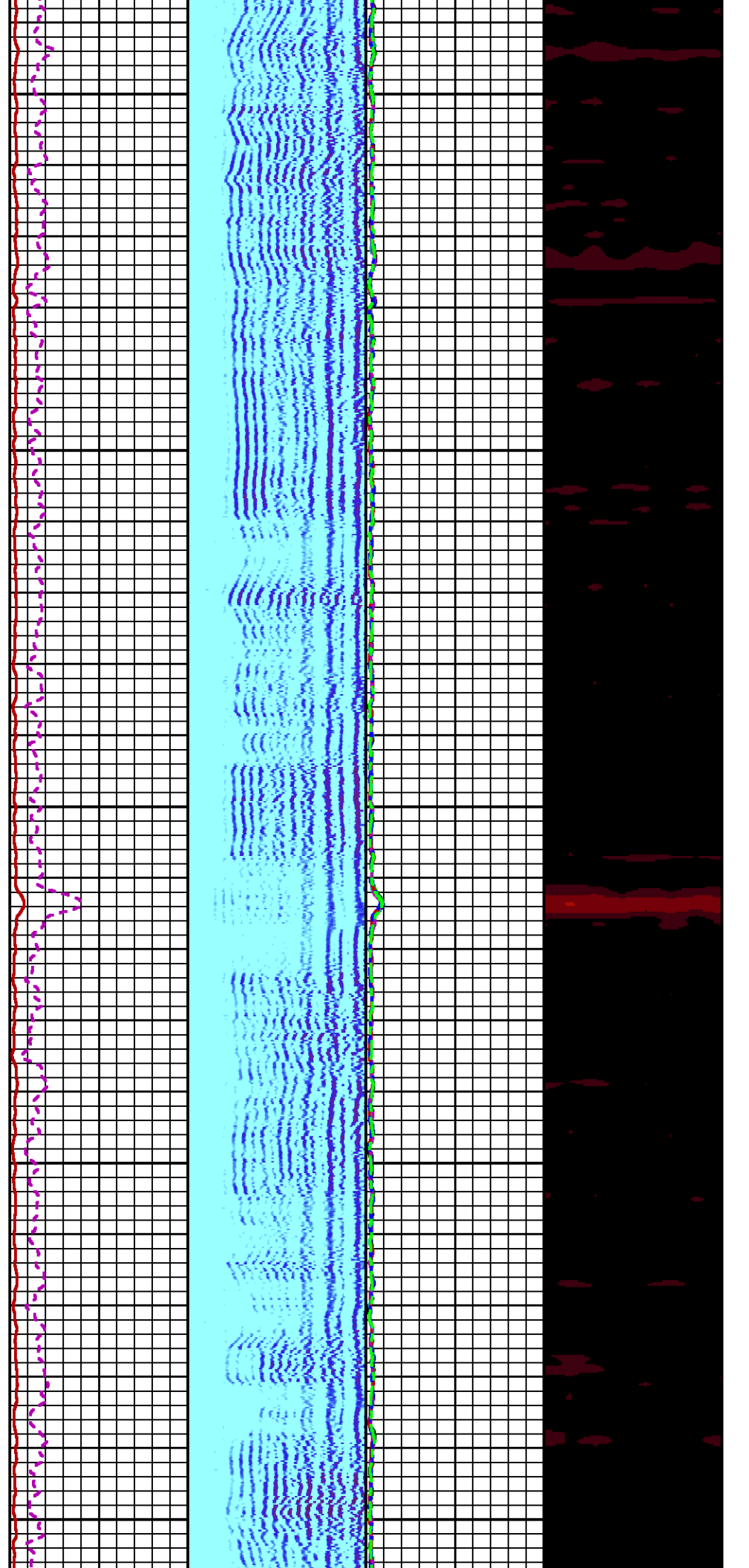


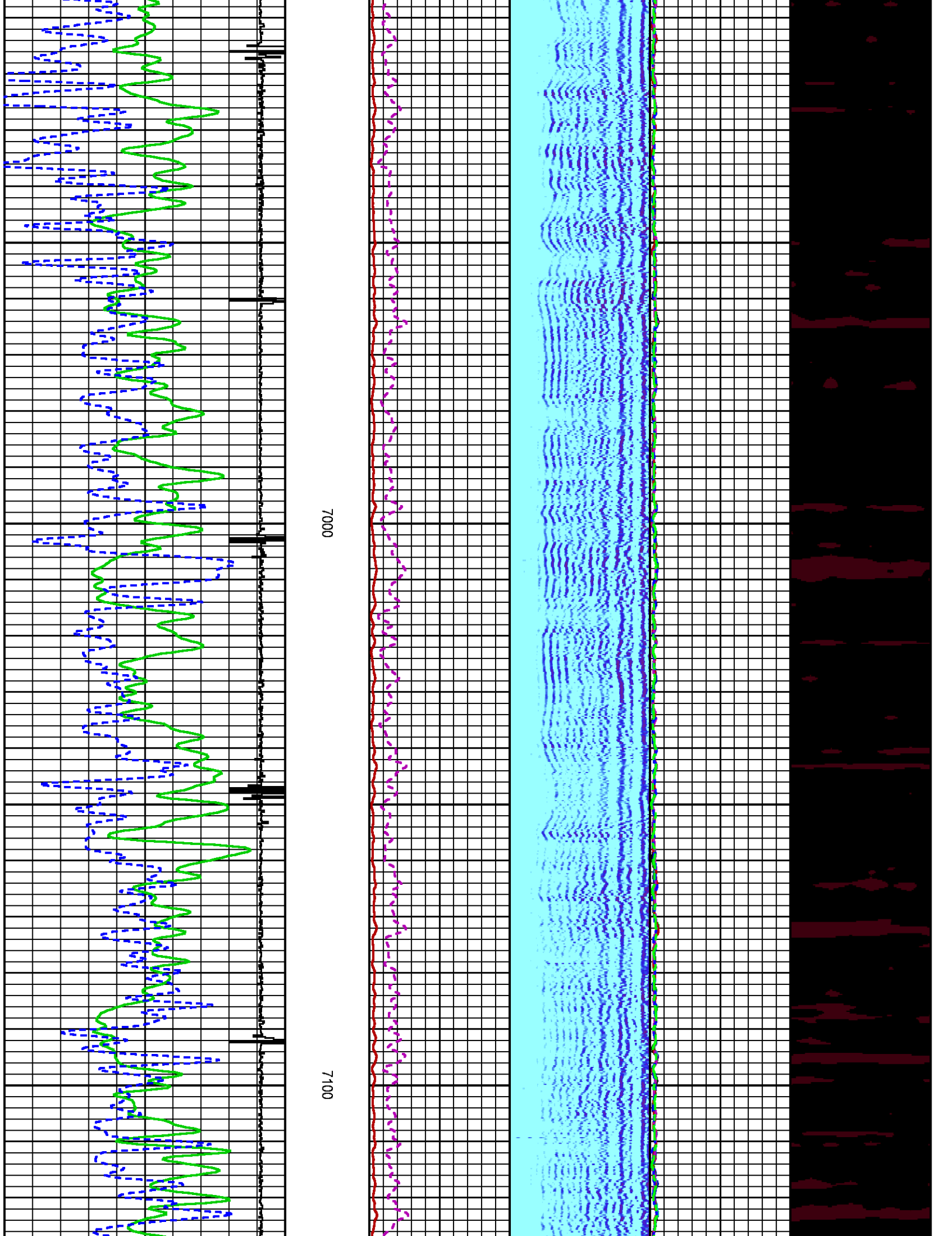


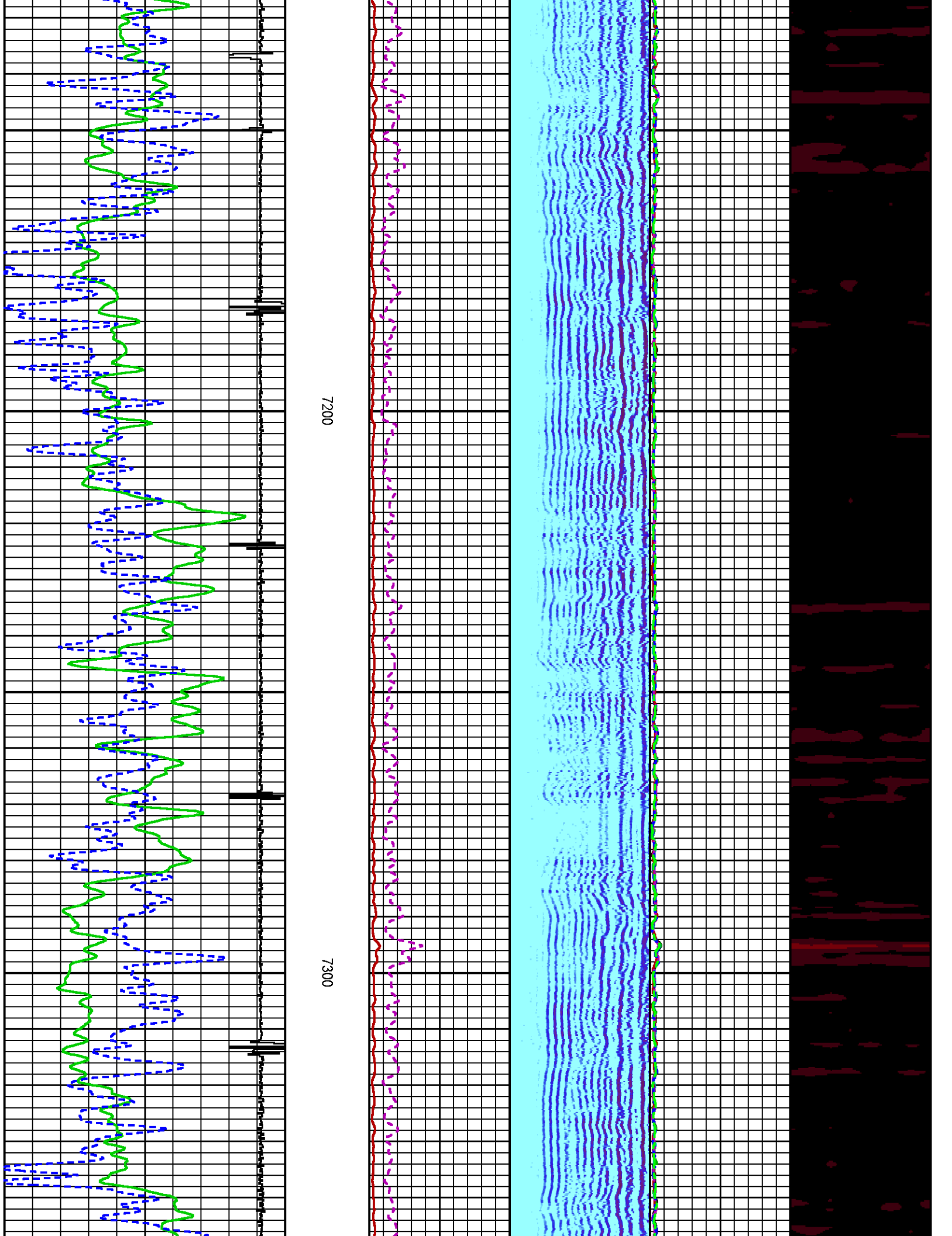
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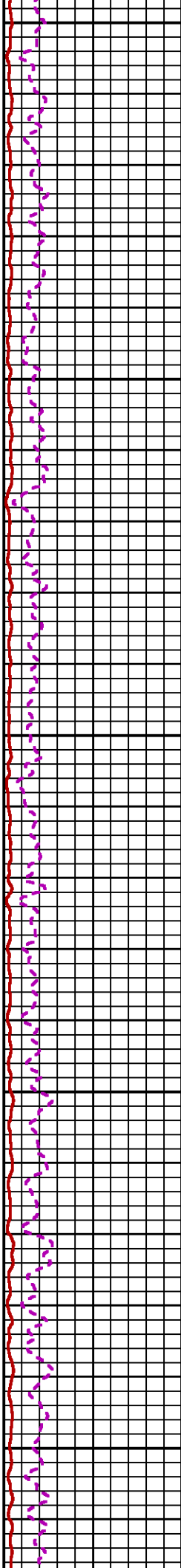
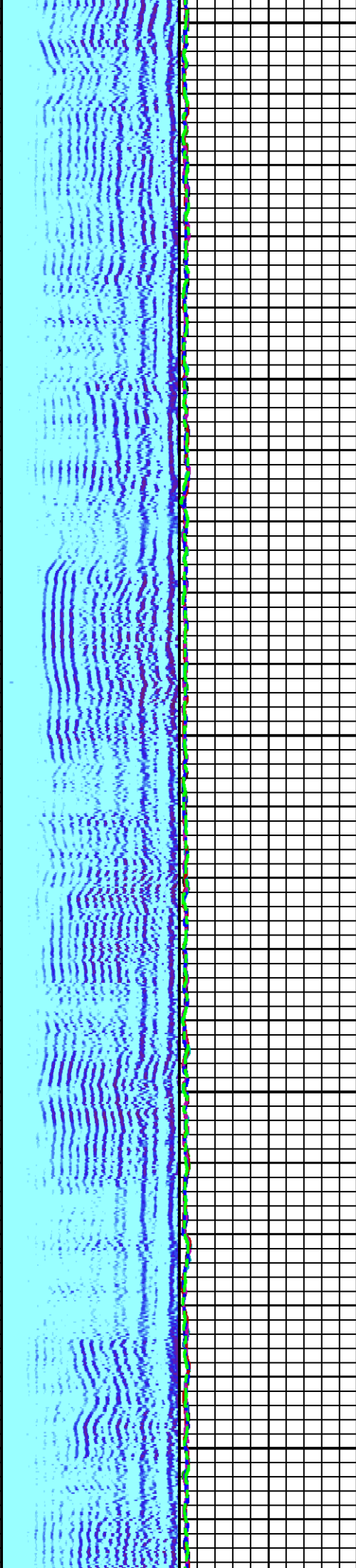
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6900



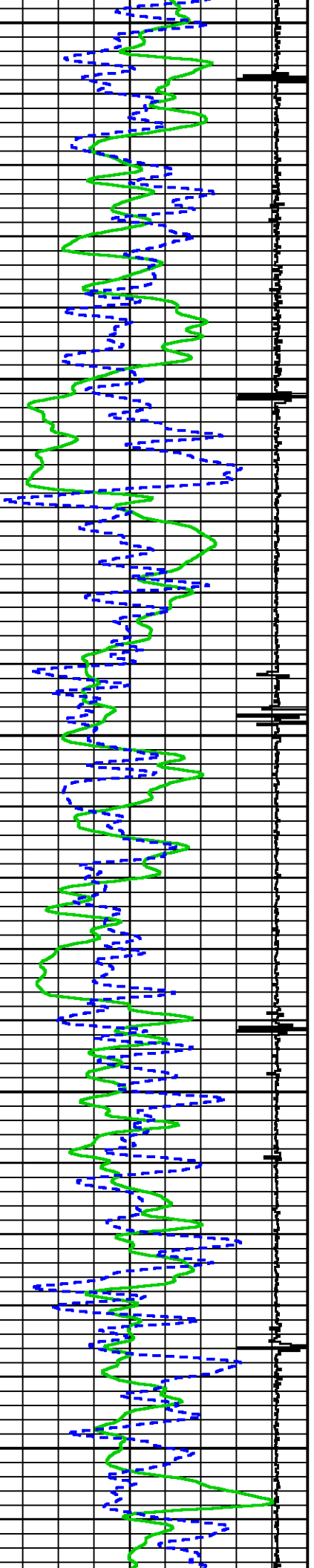


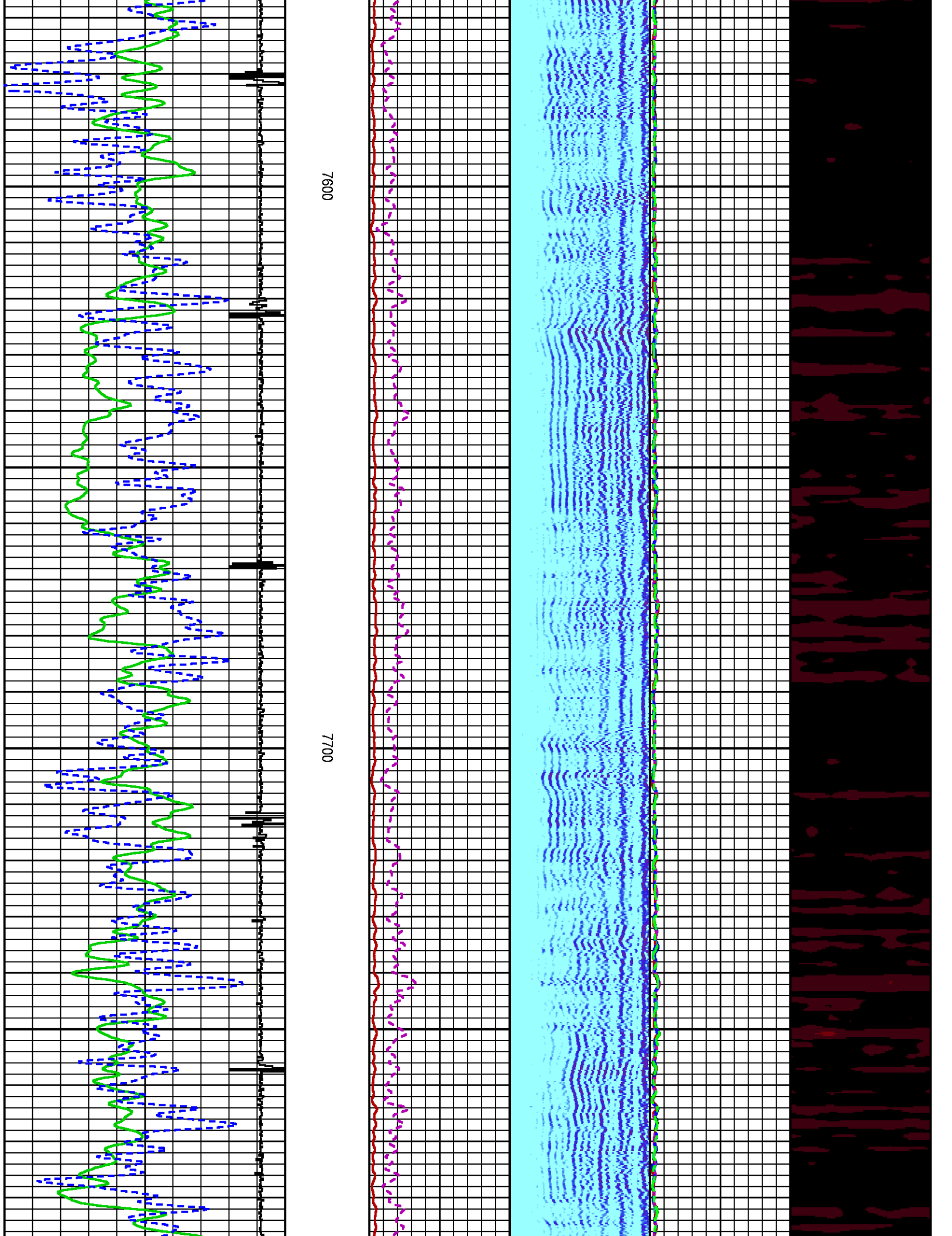


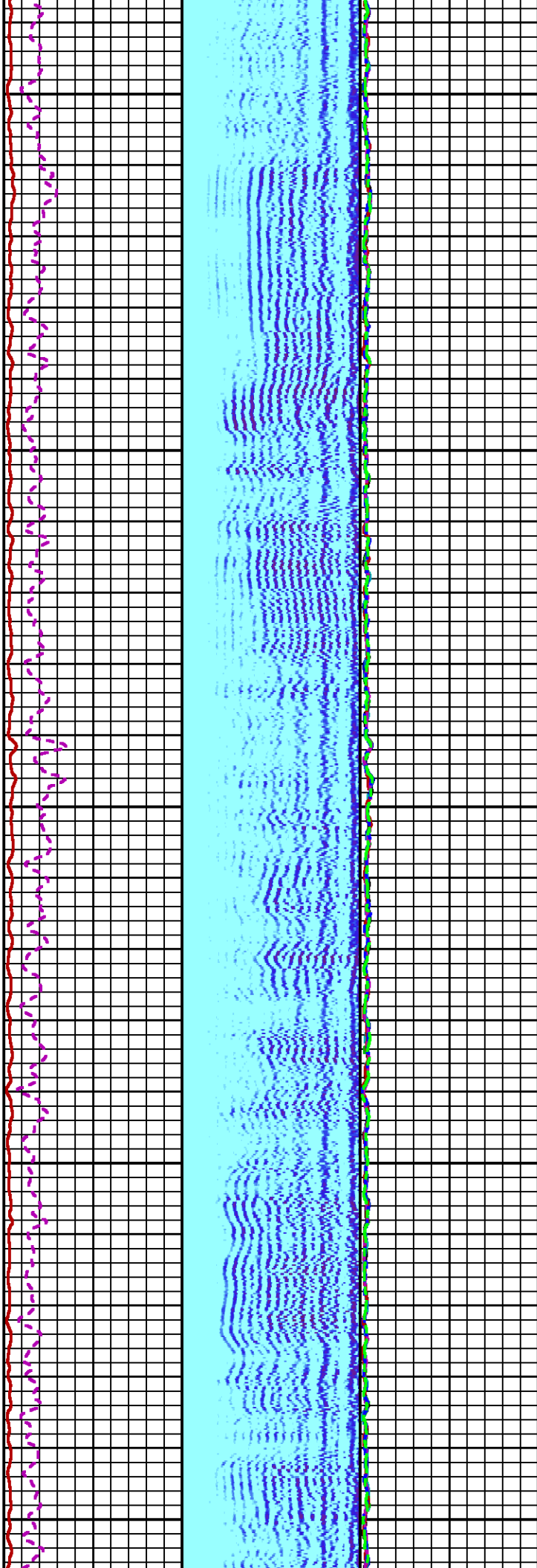
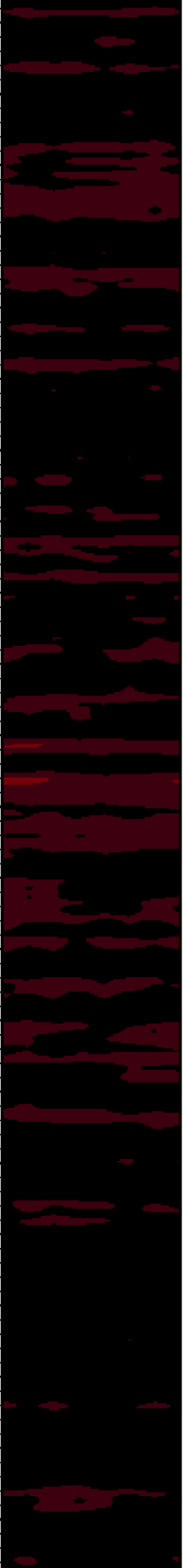


7400

7500



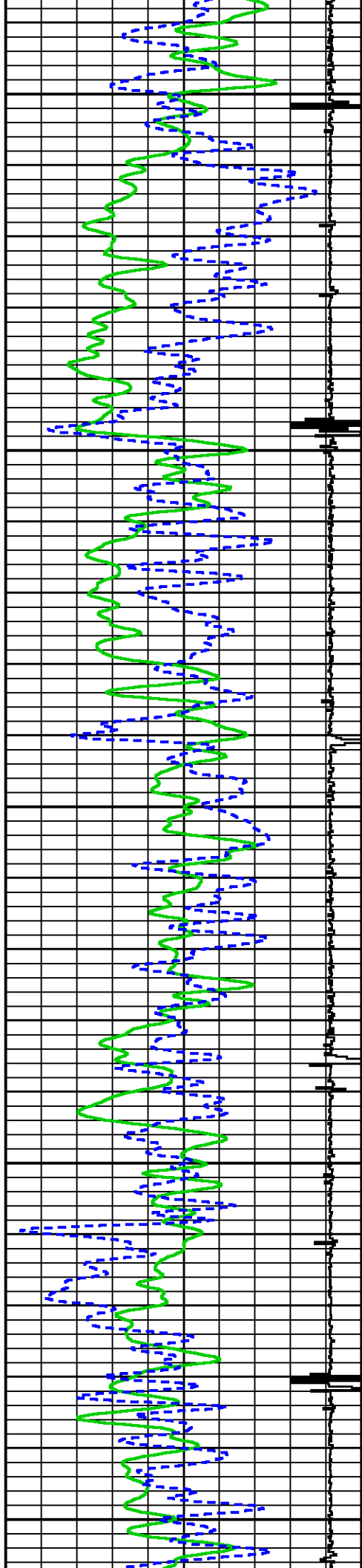


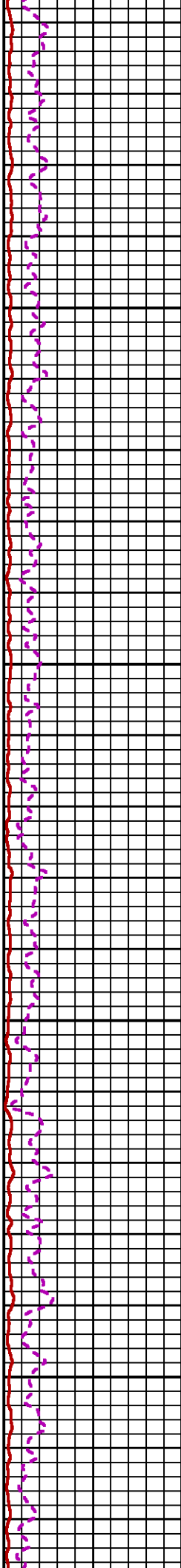
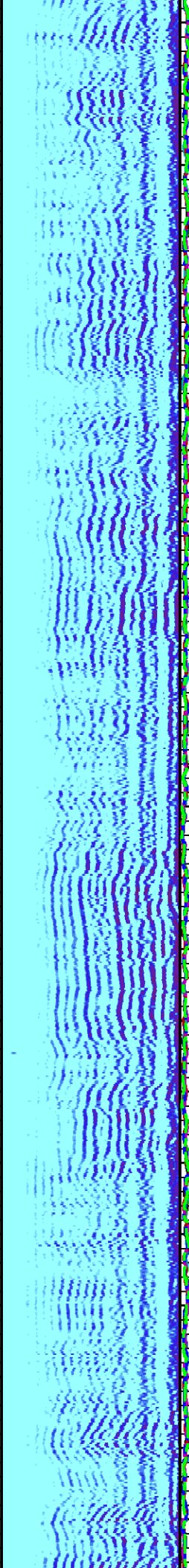


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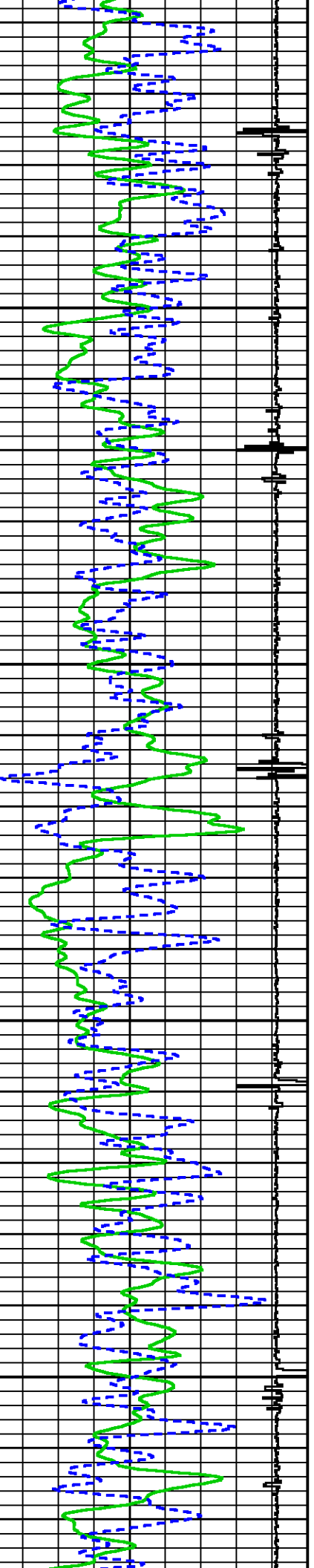
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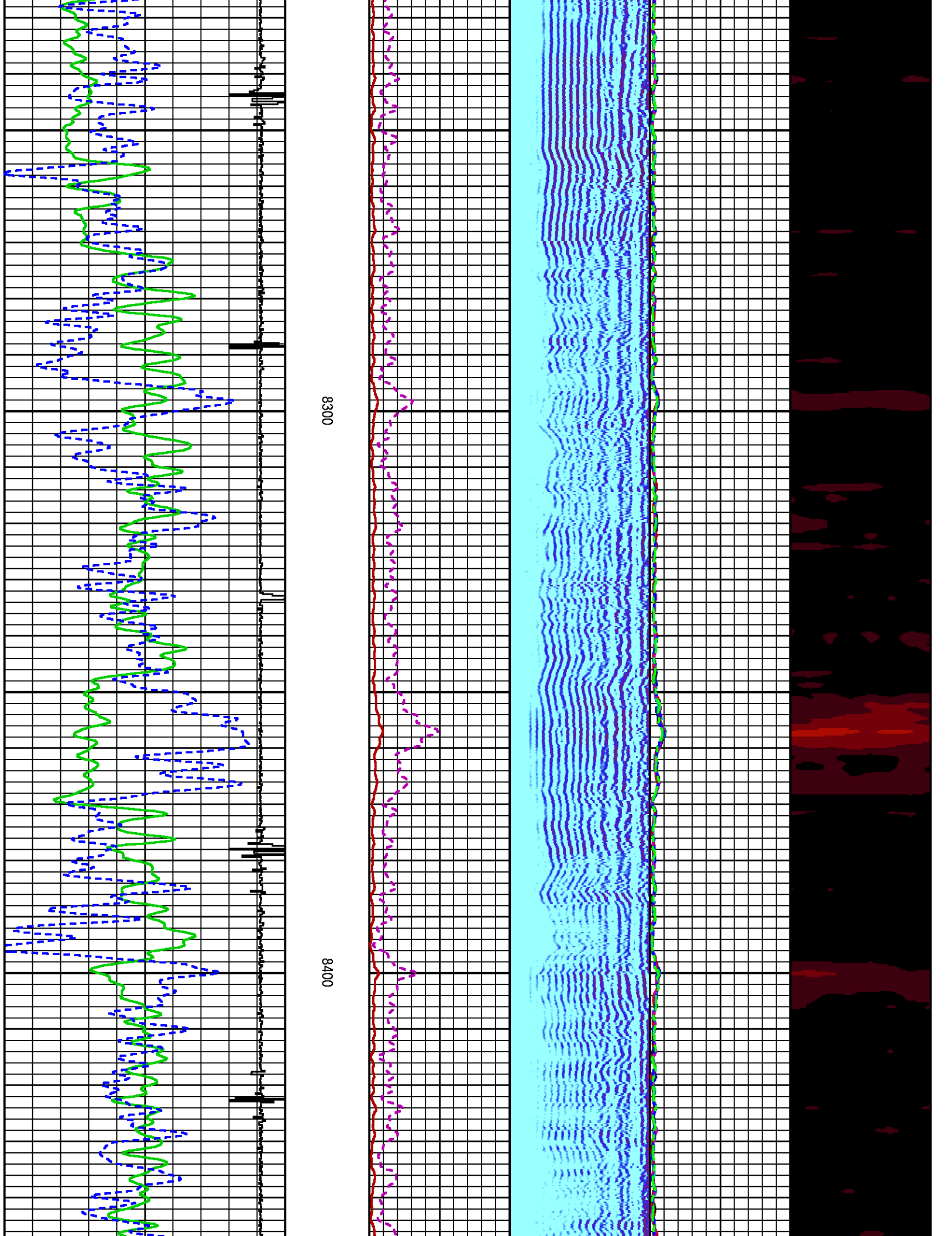


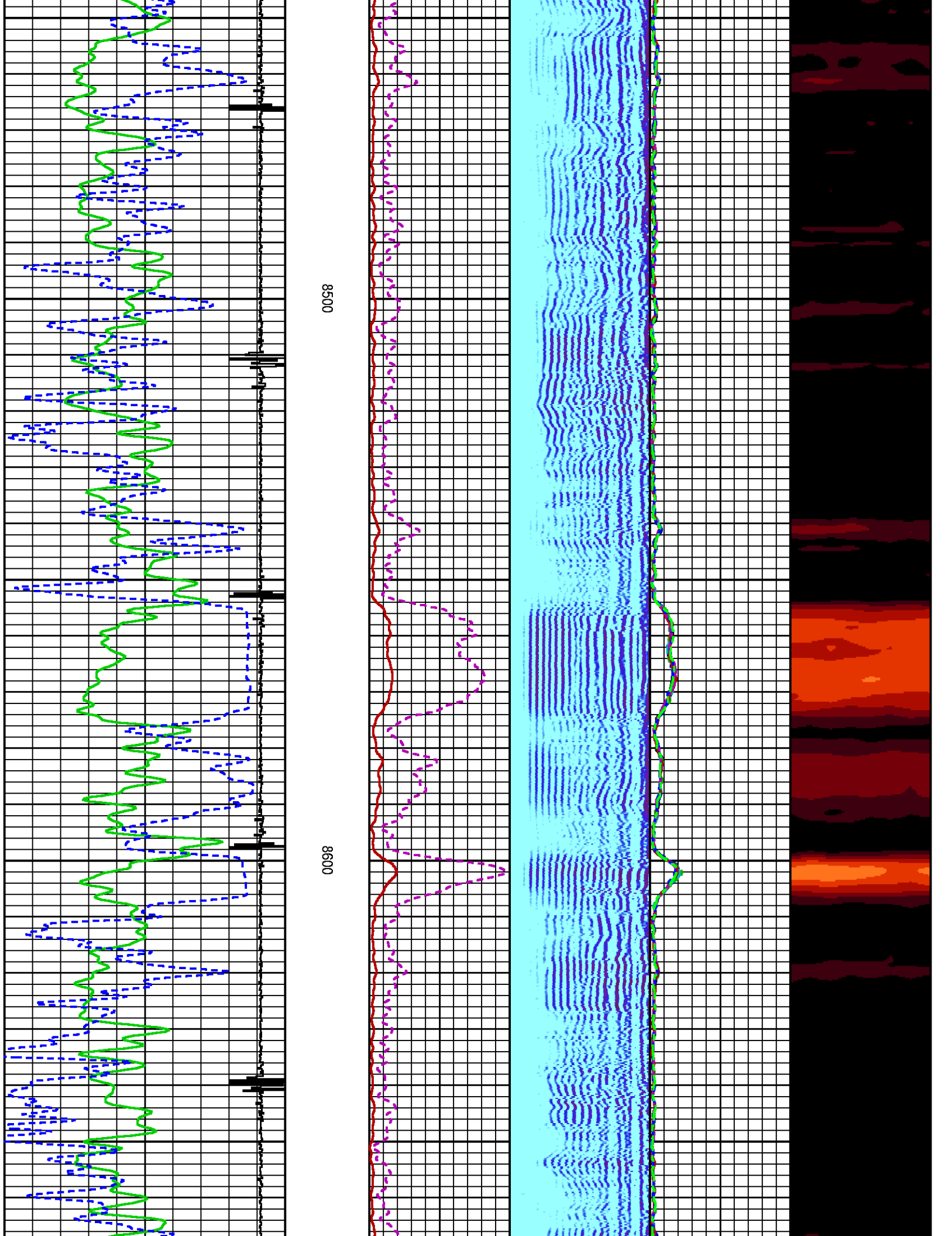


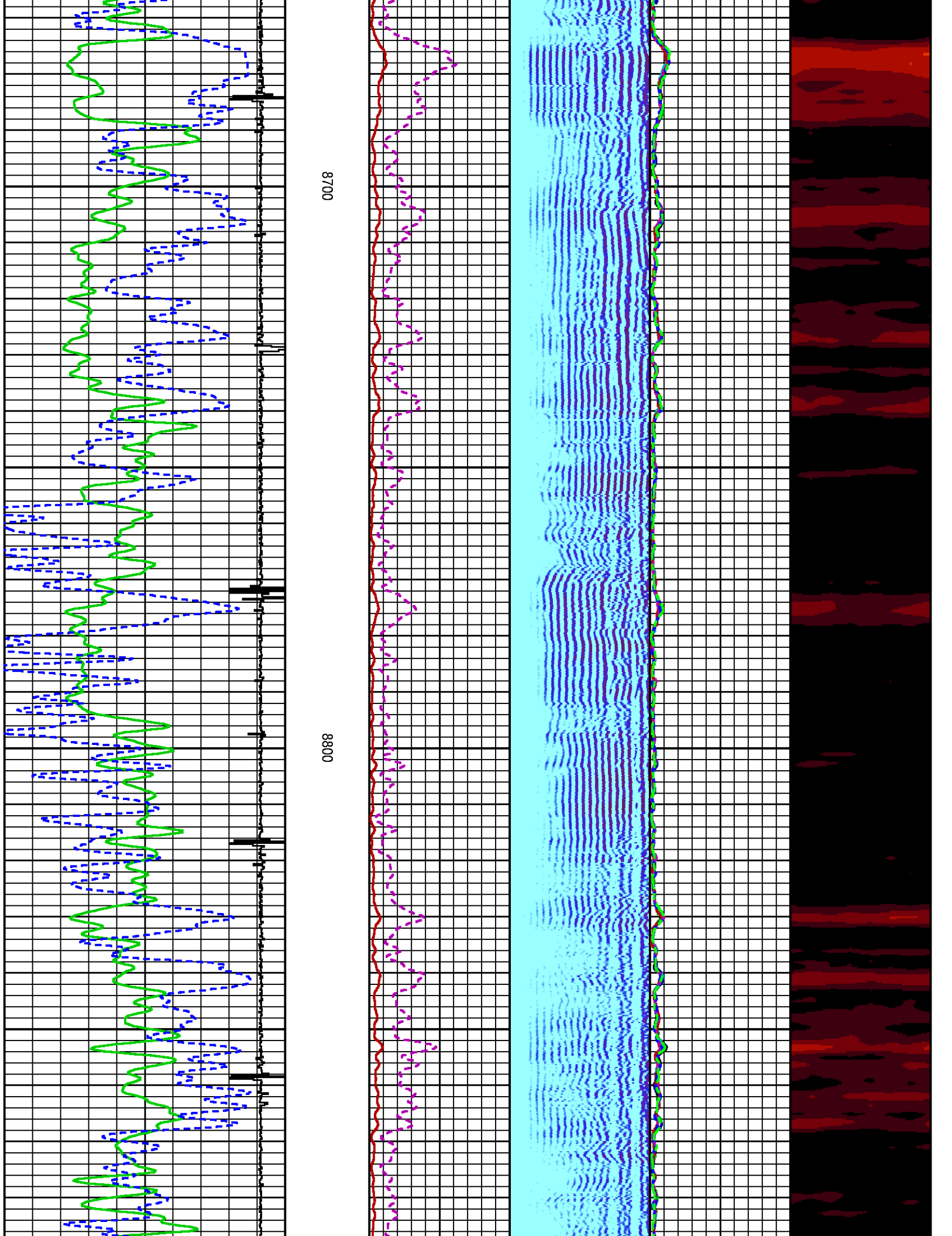
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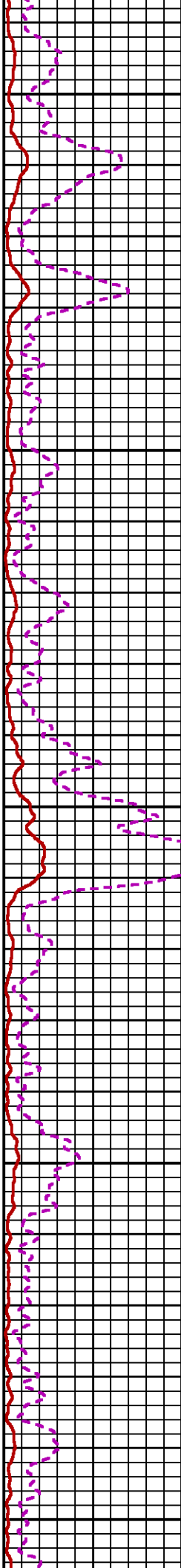
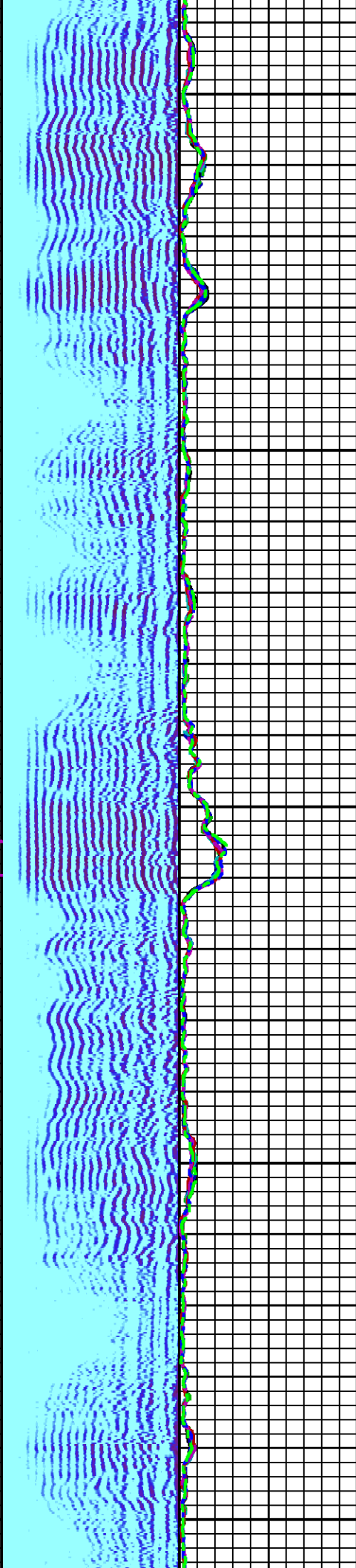
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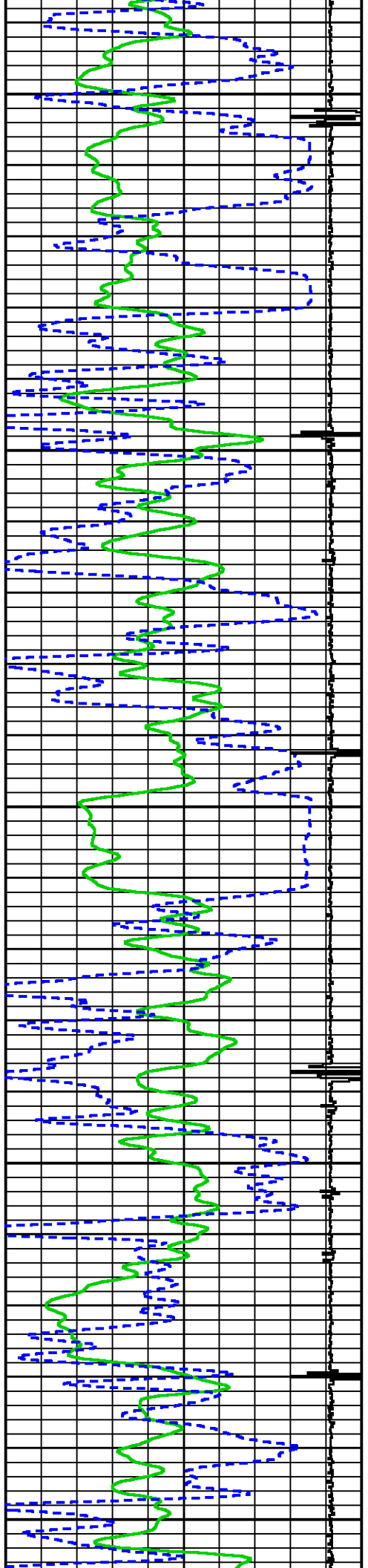


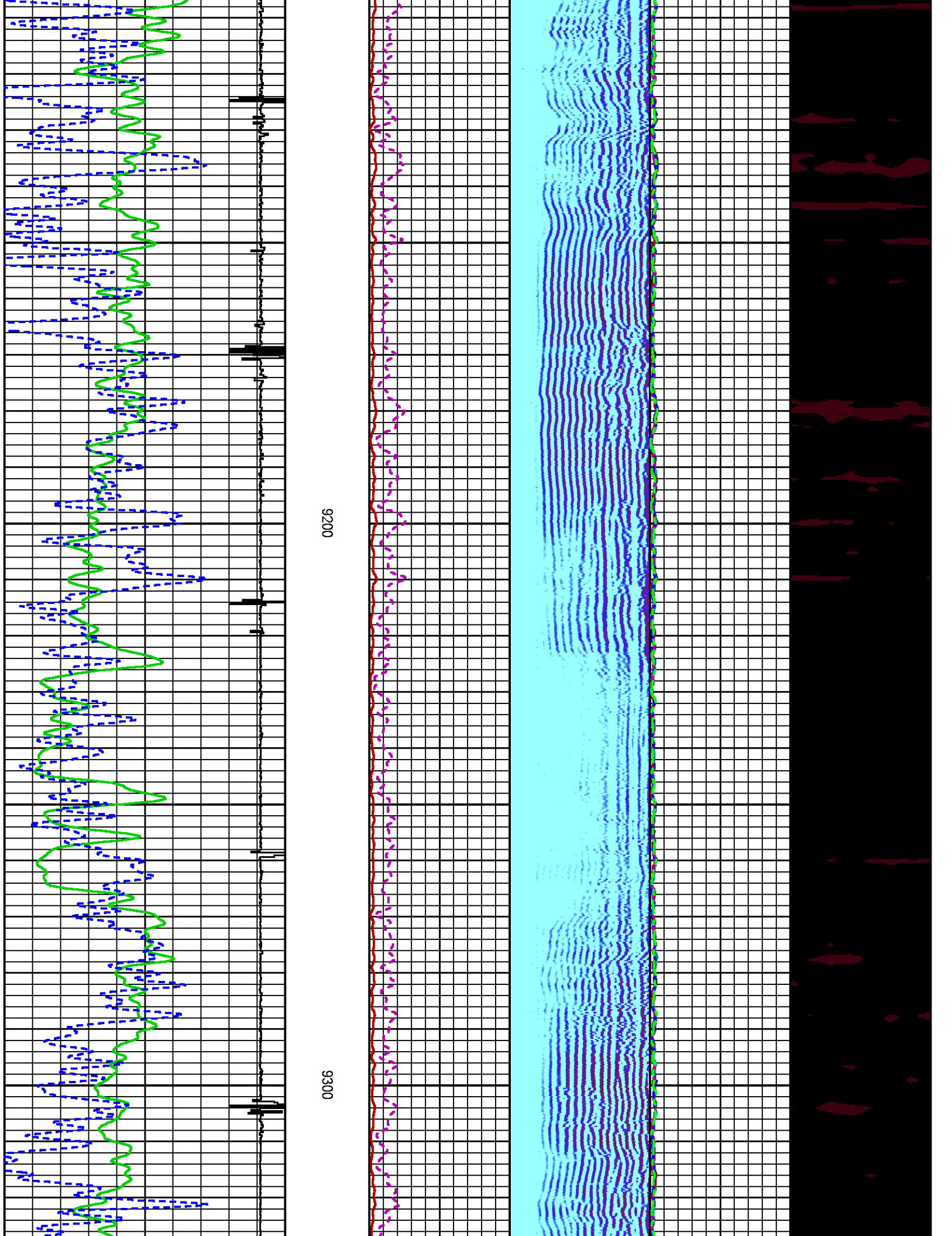


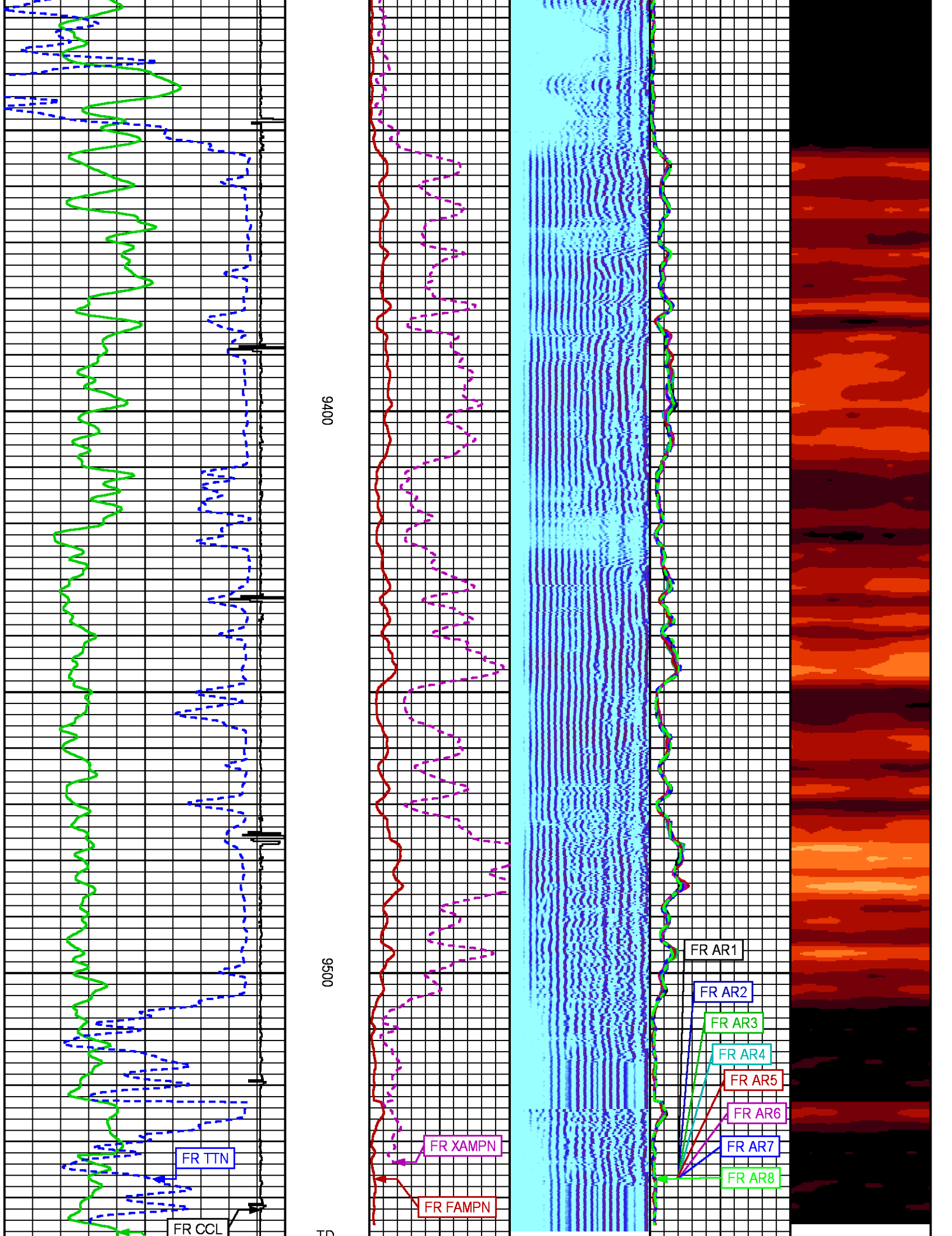
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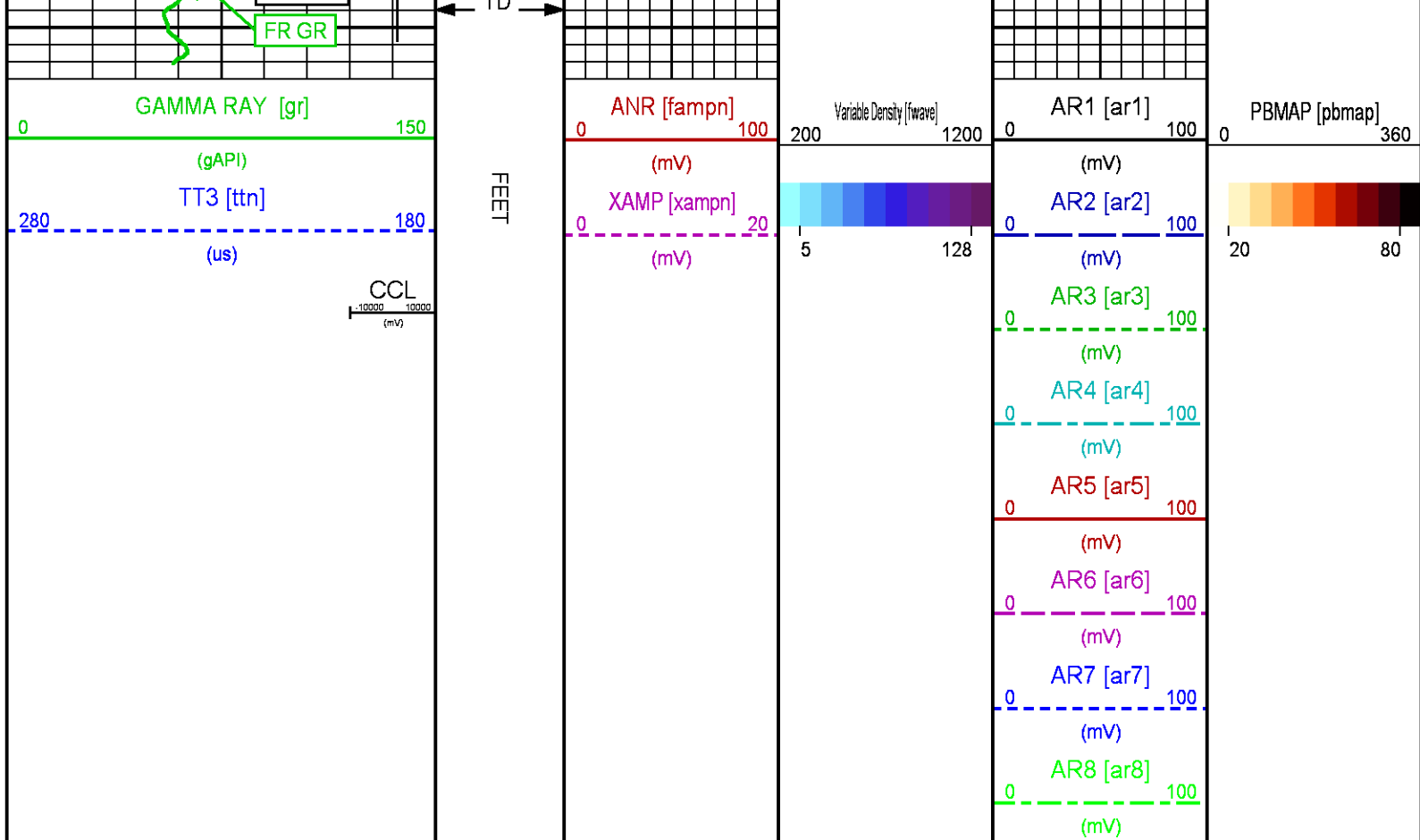
9000

9100









CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH108943/n012g.lp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Wed Aug 24 07:51:38 2016

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)	2.08	2.69	2.41	2.54	2.13	2.34	2.10	2.06	2.32	3.80	0.08
AMP FLUID (mV)	78	78	79	79	79	78	77	77	77	107	82
TT (us)	214	214	213	213	213	214	214	213	215	321	214
M FACTOR	1.31	1.32	1.31	1.31	1.30	1.33	1.34	1.34	1.34	1.45	1.22

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Wed Aug 24 11:04:09 2016

DAYS SINCE CAL: 0

UNIT #: 3880TA HL6670

CABLE #: 6670SM SMALL1

NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
--------------	------------	------------	------------	------------	------------	------------	------------	------------	-------------	-------------

ZERO	(mv) 0.57	(mv) -0.11	(mv) -0.01	(mv) -0.07	(mv) 0.07	(mv) -0.08	(mv) -0.20	(mv) -0.22	(mv) -0.10	(mv) 0.79	(mv) -0.03
AMP AIR	0.44	1.15	1.03	1.21	0.90	1.14	0.68	1.06	1.18	0.39	101.74
			SHOP	SHOP	WIRELINE						
			M FACTOR	A FACTOR	FACTOR						
			1.22	0.00	0.98						

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 12670181 DATE/TIME PERFORMED: Wed Aug 24 07:36:43 2016

UNIT #: 3880TA HL6670 CALB JIG #: 4702NK WA-612

	BACKGROUND (cts)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	80.31	325.69	245.4	0.611	49.09	199.09	150

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 12670181 DATE/TIME PERFORMED: Wed Aug 24 07:38:10 2016

UNIT #: 3880TA HL6670 VERI JIG #: 4702NK WA-612

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	81.58	316.36	0.611	49.87	193.39	143.52
						140.00 160.00

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH108950/CBL-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



20.38'

NEAR RCVR 11.17'

FAR RCVR 10.21'

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




CCL 5.79'

GR 1.67'

TEMP 0.17'

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

	COMPANY <u>TEP ROCKY MOUNTAIN LLC</u>		FILE NO: <u>OH108943</u>
	WELL <u>YOUBERG RU 423-7</u>		API NO: <u>05045231310000</u>
	FIELD <u>RULISON</u>		
	COUNTY <u>GARFIELD</u>	STATE <u>COLORADO</u>	
LOCATION: SHL: 2020' FNL & 1897' FWL BHL: 1759' FSL & 1327' FWL		ELEVATIONS: KB 7363 FT DF GL 7339 FT	SEC.7 T.7S R.93W RIG: H&P 318 PAD: RU 22-7
SEC <u>7</u> TWP <u>7S</u> RGE <u>93W</u>		DATE <u>24-Aug-2016</u>	