



FILE NO: CH088405	COMPANY WPX ENERGY
API NO: 05045213940000	WELL AP 522-20-695
	FIELD PARACHUTE
	COUNTY GARFIELD
	STATE CO
Ver. 3.87 20 GS 95W AP 21-20-695 PAD NABORS 573	LOCATION: SHL: 91' FNL & 2501' FWL BHL: 2442' FNL & 1181' FWL SEC 20 TWP 6S RGE 95W
PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	OTHER SERVICES RPM ELEVATIONS: KB 6935 FT DF GL 6909 FT

DATE	16-JUL-2014
RUN	1
TRIP	1
SERVICE ORDER	US088405
DEPTH DRILLER	9262 FT
DEPTH LOGGER	9255 FT
BOTTOM LOGGED INTERVAL	9245 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	16:30
TIME FINISHED	20:30
OPERATOR RIG TIME	4 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	85 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	65 FMN
MAX. RECORDED TEMP.	230 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	6670
LOCATION	NEWELL
RECORDED BY	GRAND JCT.
WITNESSED BY	ORAN JACOBS

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	2737 FT
8.75 IN	2737 FT	9294 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			0 FT	2737 FT
4.5 IN	11.6 LB/F	I-80	0 FT	9294 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 3 feet.

Logged with zero PSI at wellhead.

BHT = 230 degF  
SJ = 6005 - 6027'

Thank you for choosing Baker Hughes ... The best choice!

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10417452	CENTRALIZED
1	1	GR/CCL	2459XA	10218504	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: 1

Plotted: Thu Jul 17 12:14:15 2014

### PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/88405/n012e03.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 25.500 ft BOTTOM DEPTH: 2535.750 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*)	173	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*)	-73	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

### CURVE DESCRIPTION REPORT

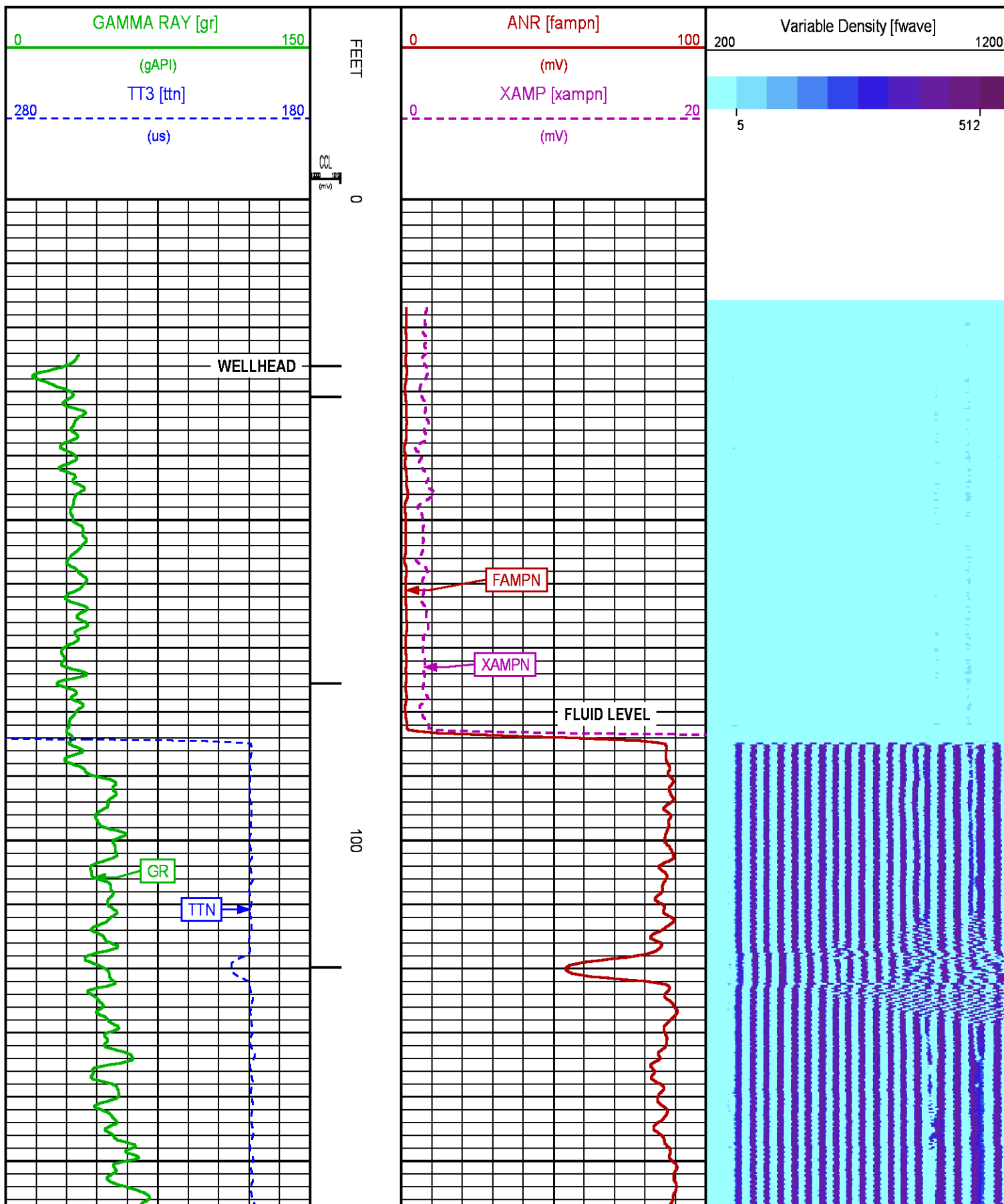
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 16 19:26:45 2014	CASING COLLAR LOCATOR
F1:FAMPN	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 16 19:26:45 2014	FAR WAVE FORM
F1:GR	Jul 16 19:26:45 2014	GAMMA RAY
F1:TTN	Jul 16 19:26:45 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

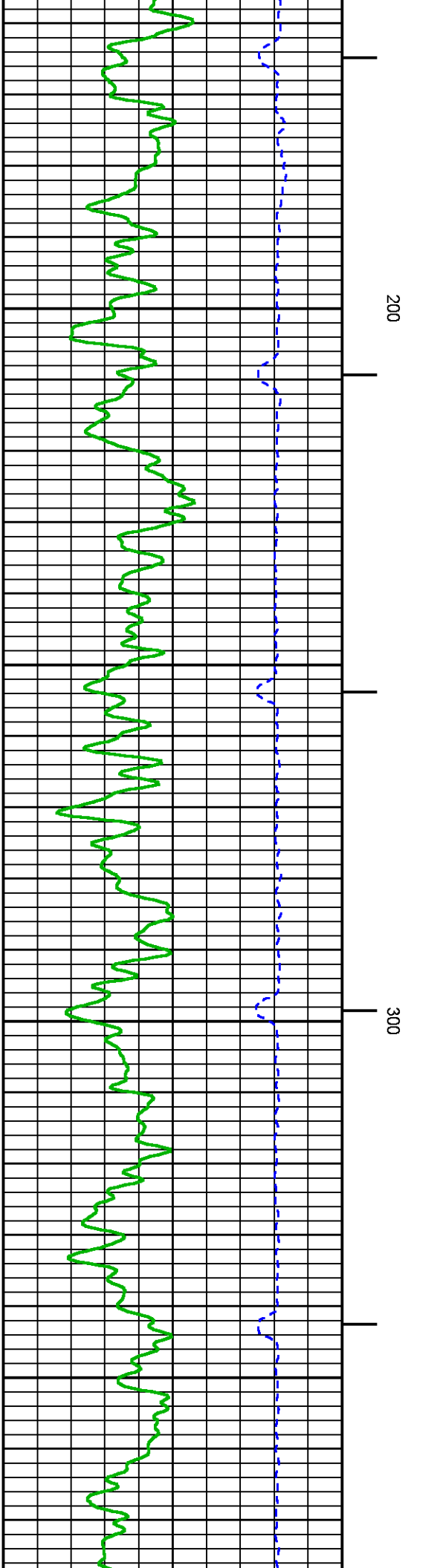
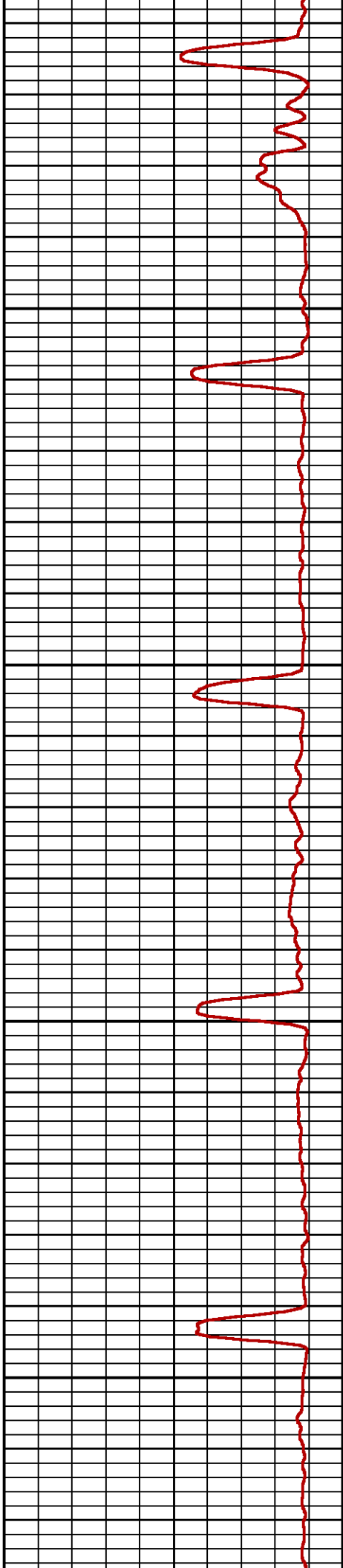
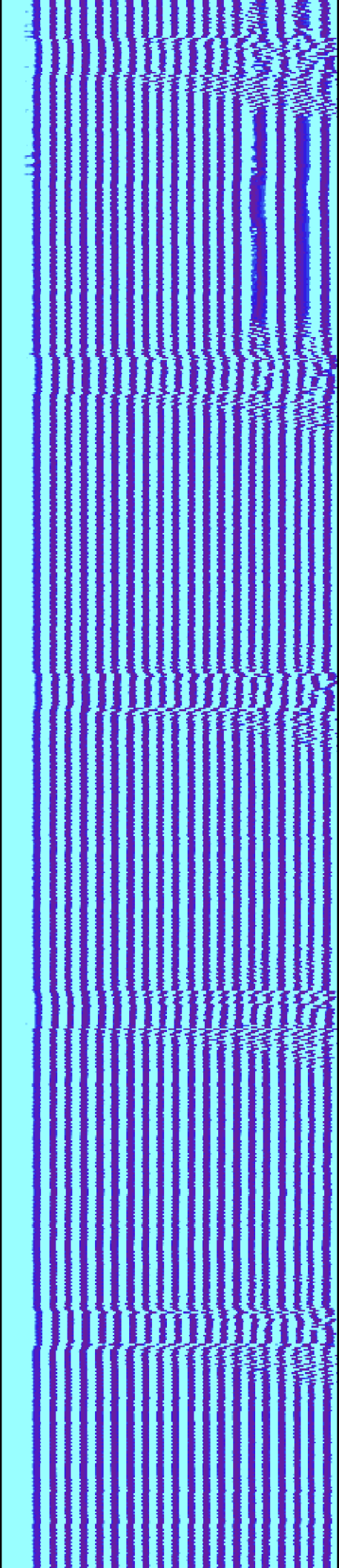
### CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

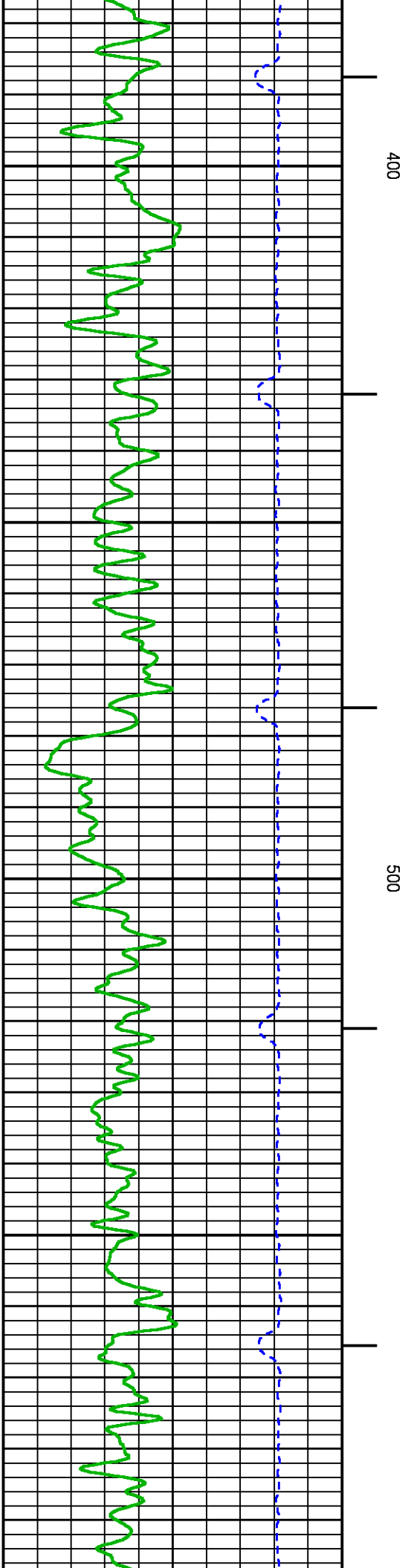
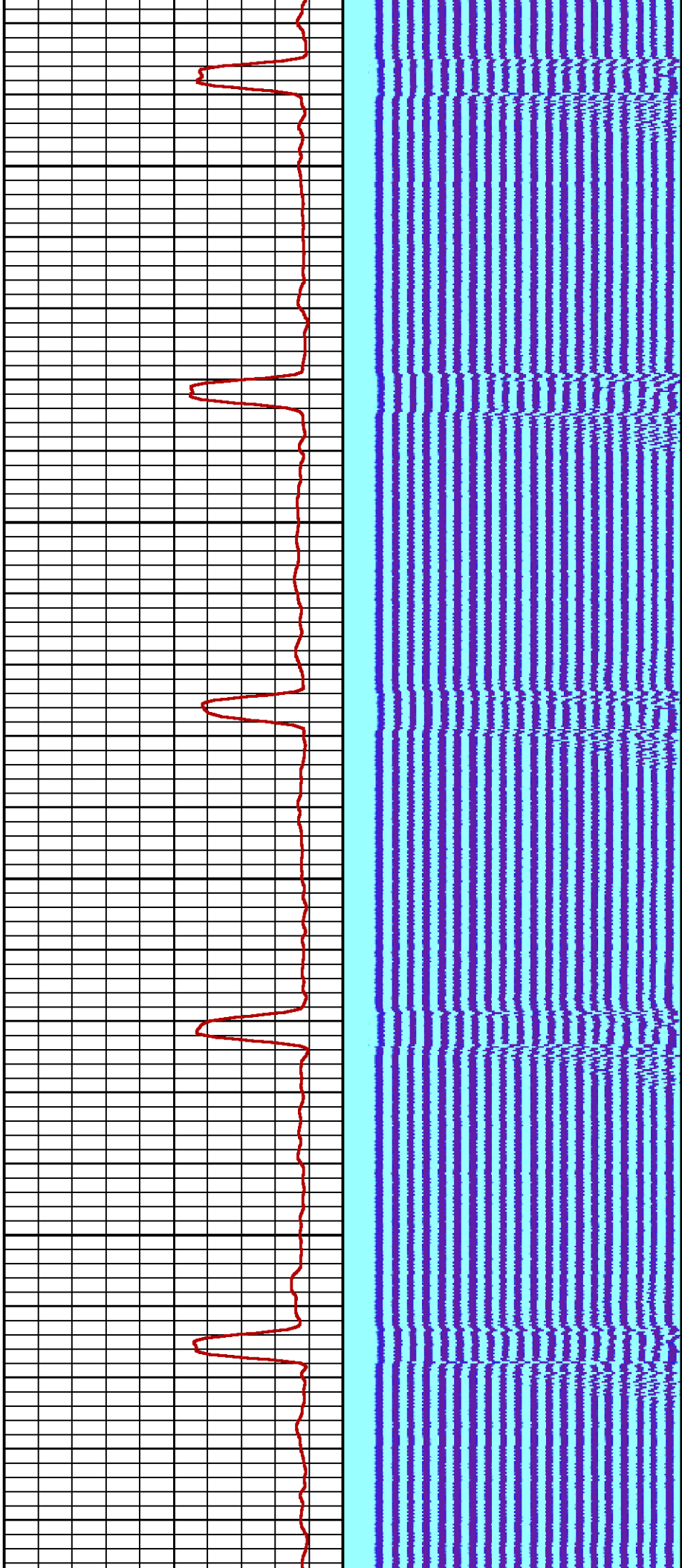
Presentation : HL6670:/dat1a/88405/CBL\_PRIMARY\_PRESENTATION.fvpdf [5"/100' Scale]  
Plot Interval : 0 - 9260 Feet

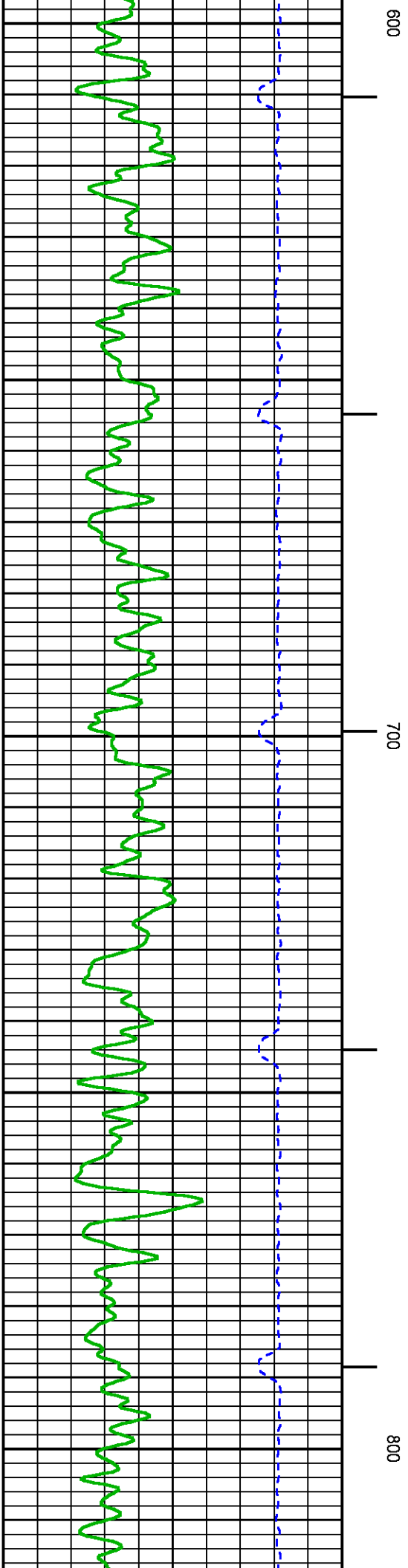
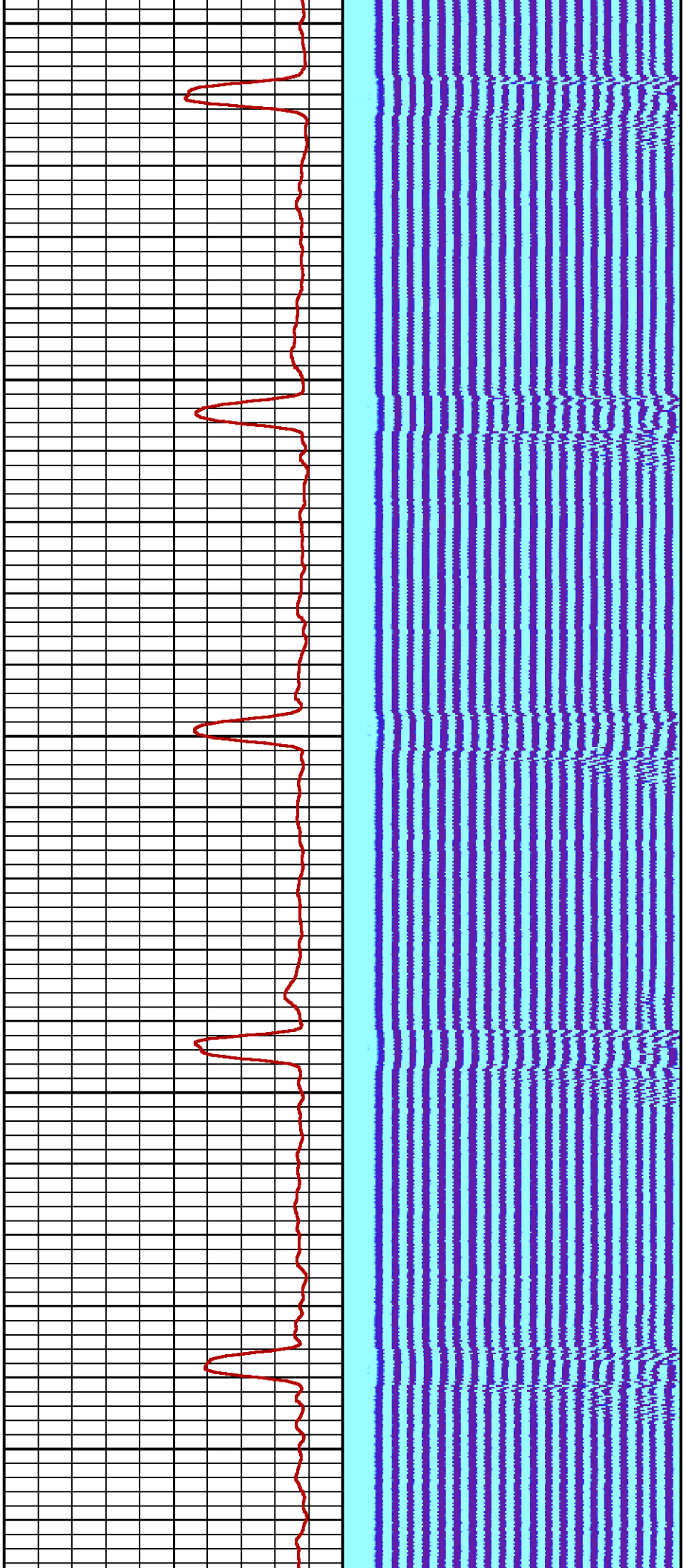
Data File 1 : F1 : HL6670:/dat1a/88405/522CBLSPICE.xtf  
Created On : Jul 16 19:26:45 2014  
Company : WPX ENERGY  
Well : AP 522-20-695  
Field : PARACHUTE  
File Interval : 15.75 - 9258.25 Feet  
OCT : n012e

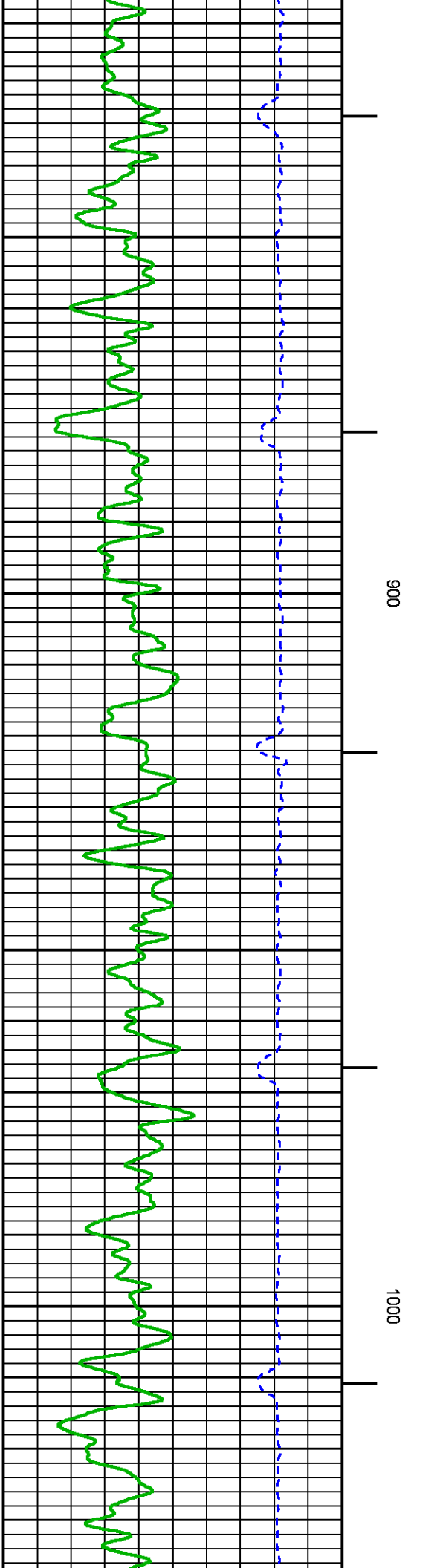
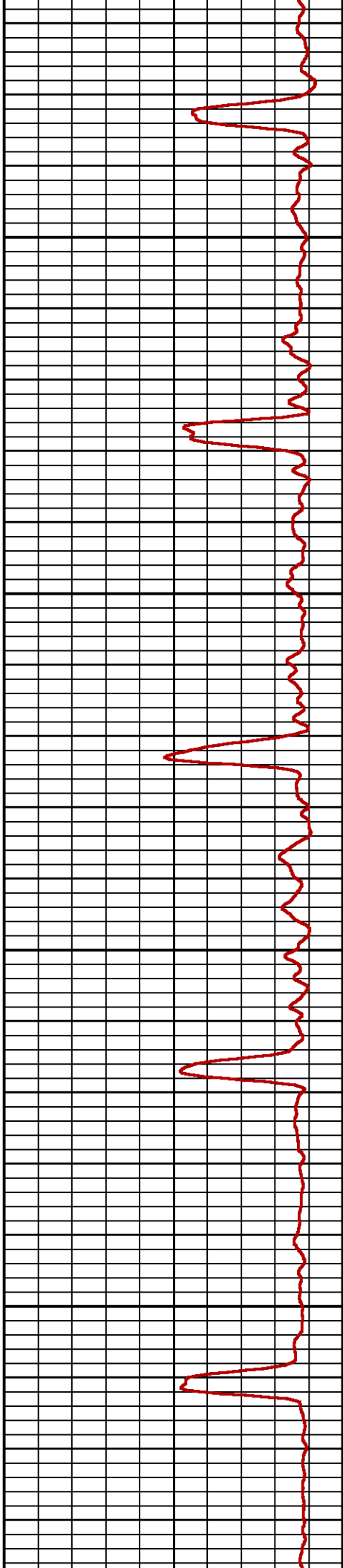
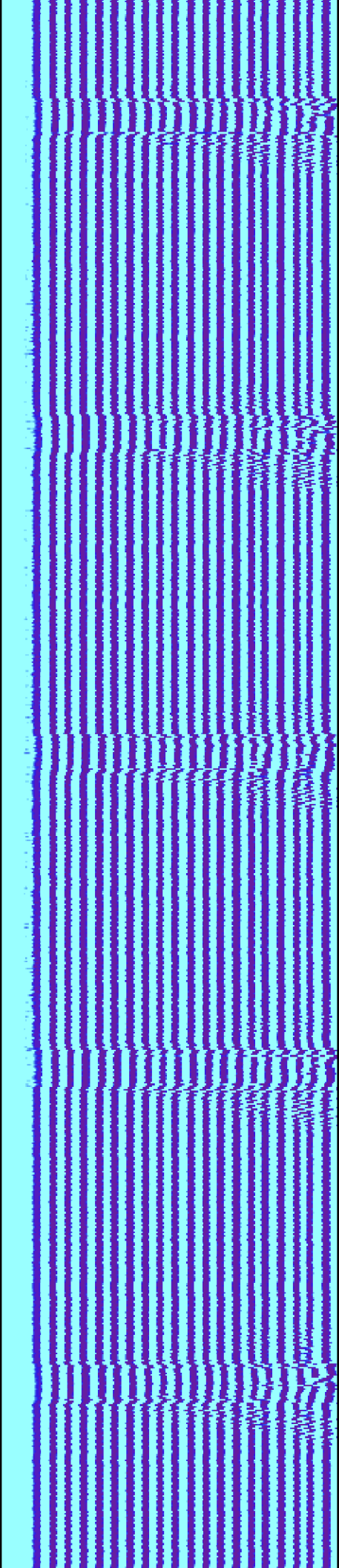


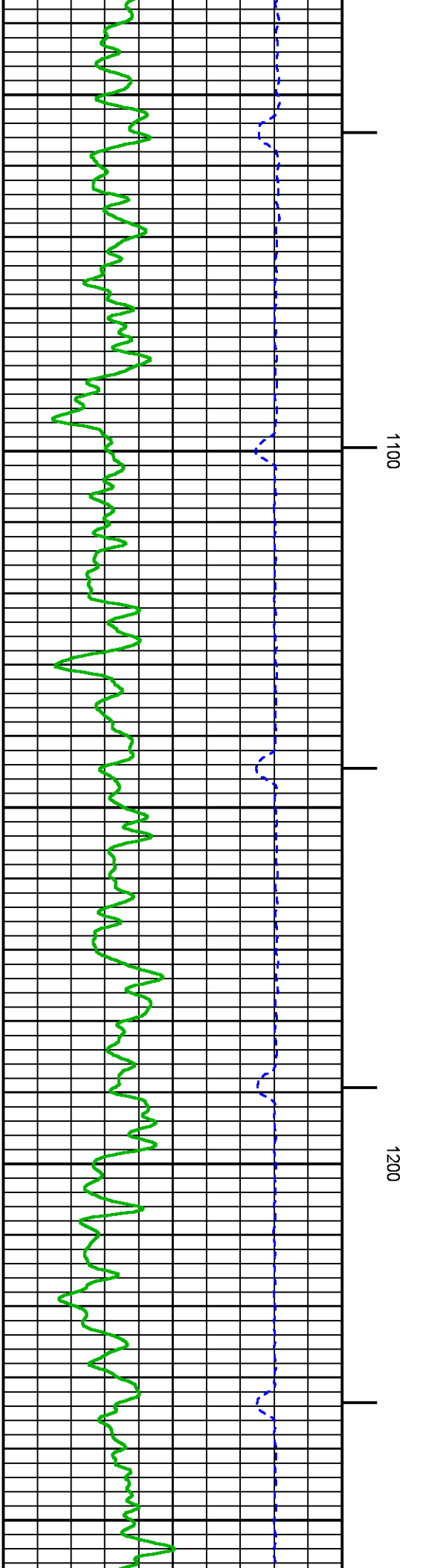
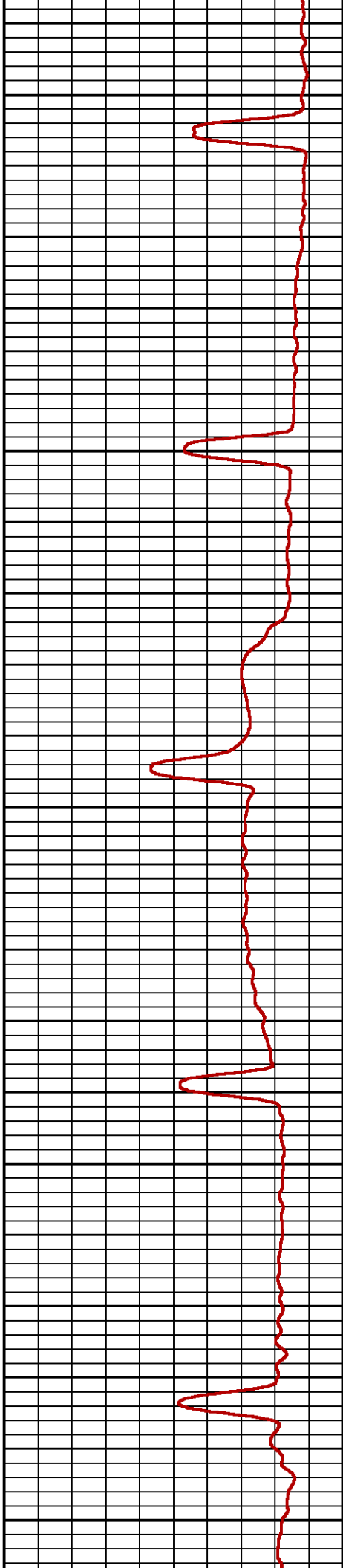
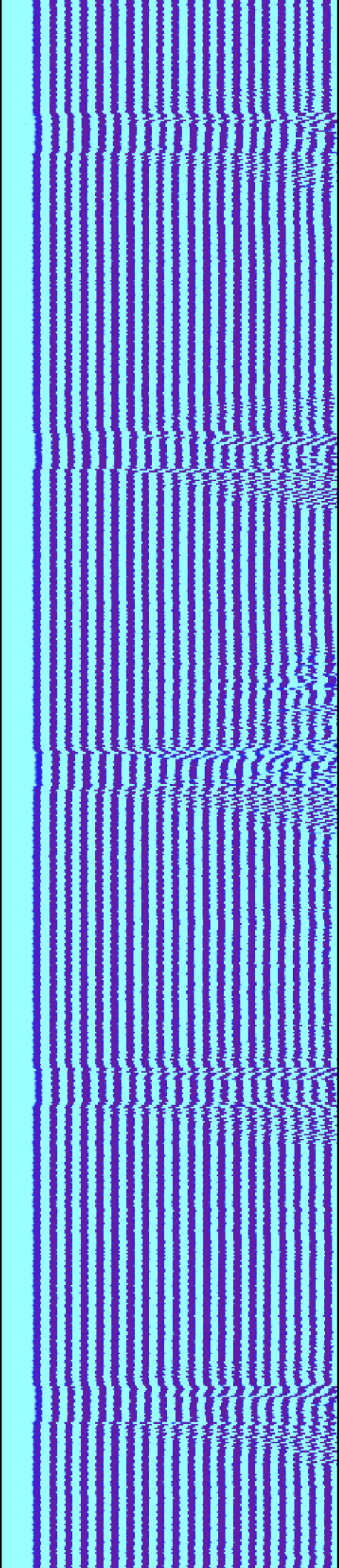




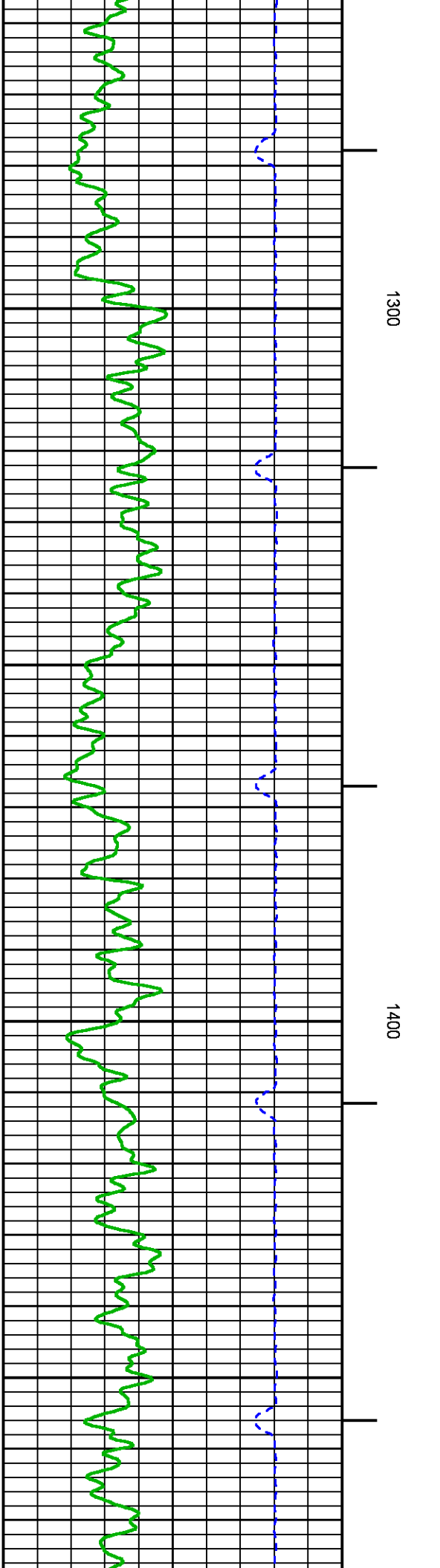
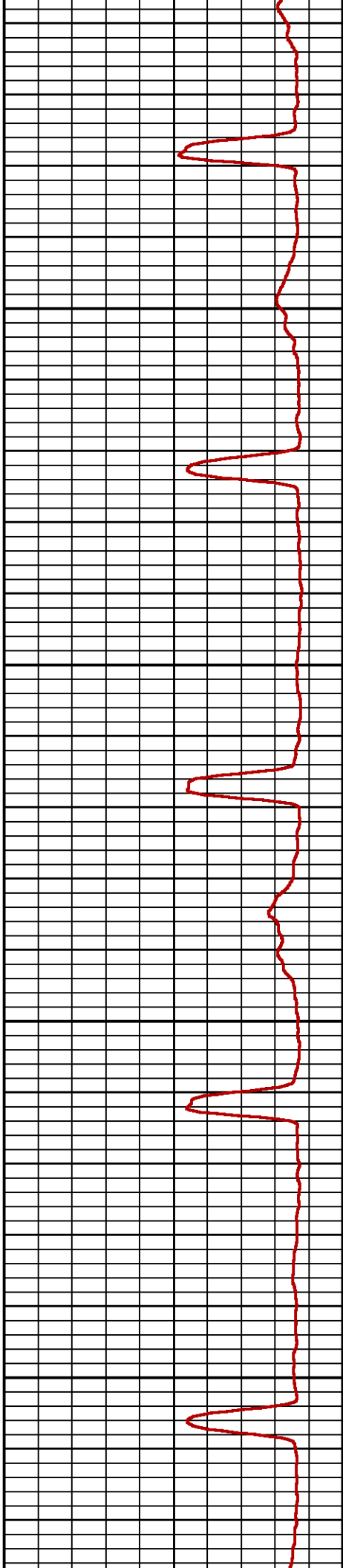
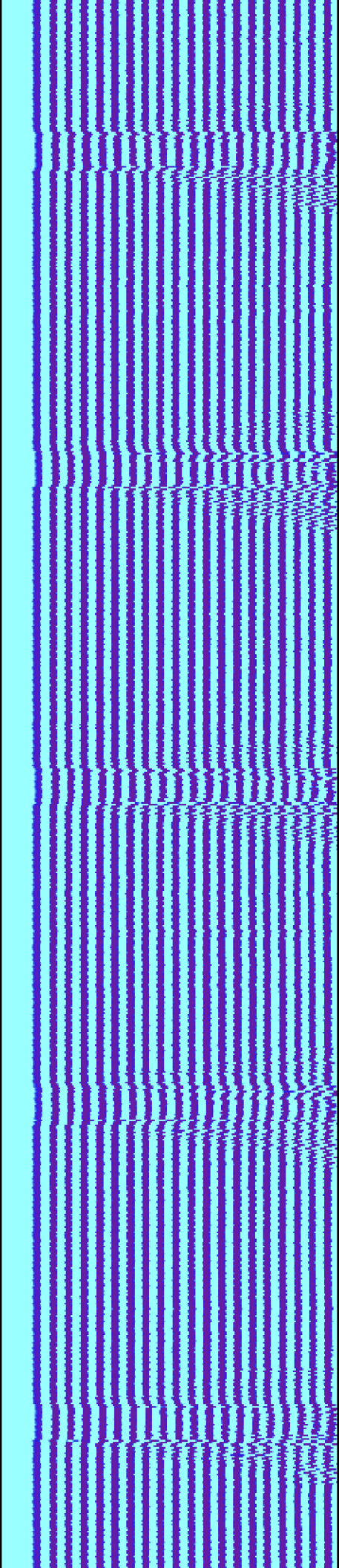


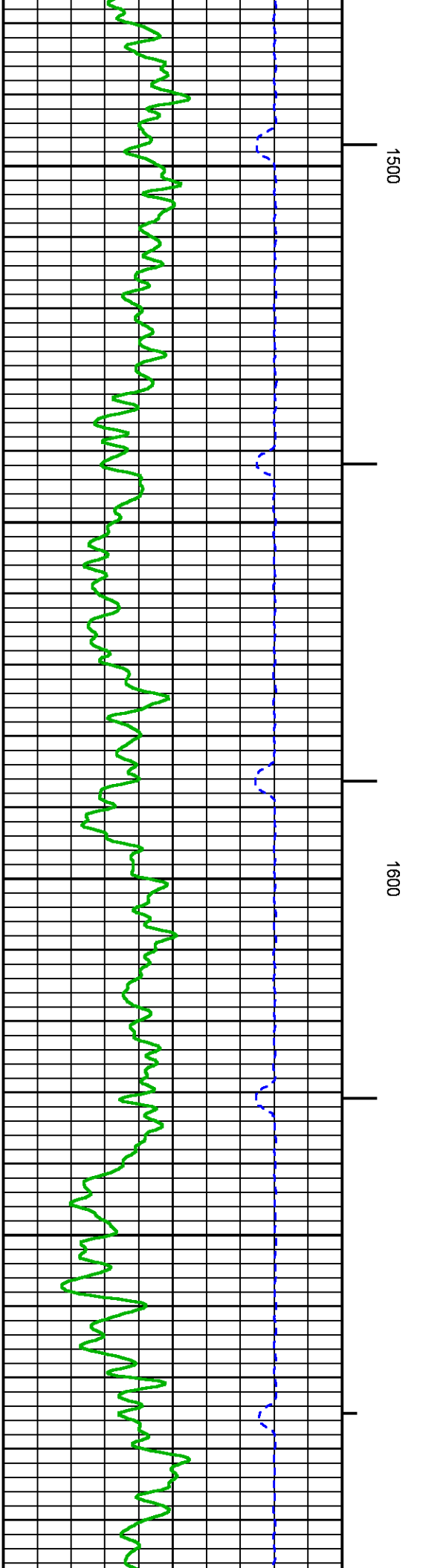
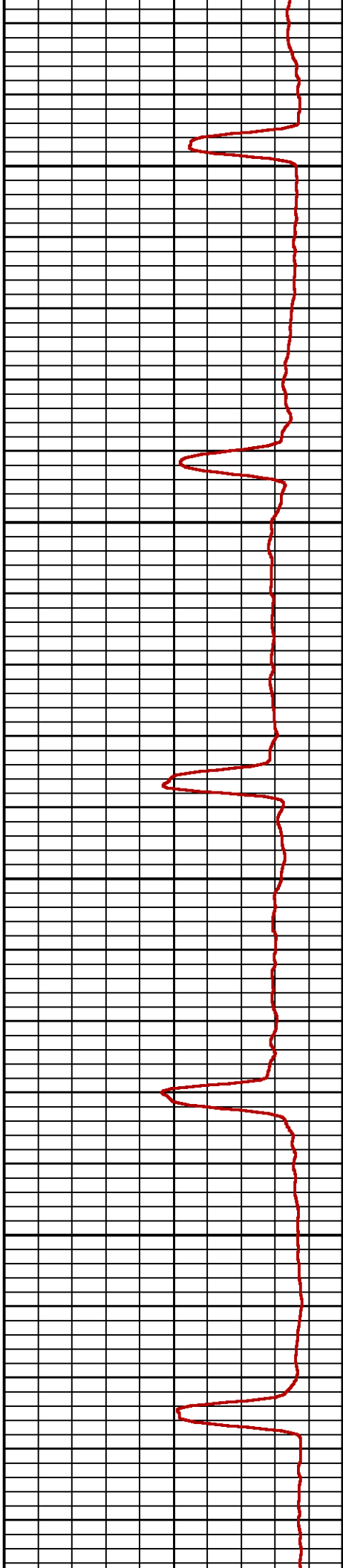
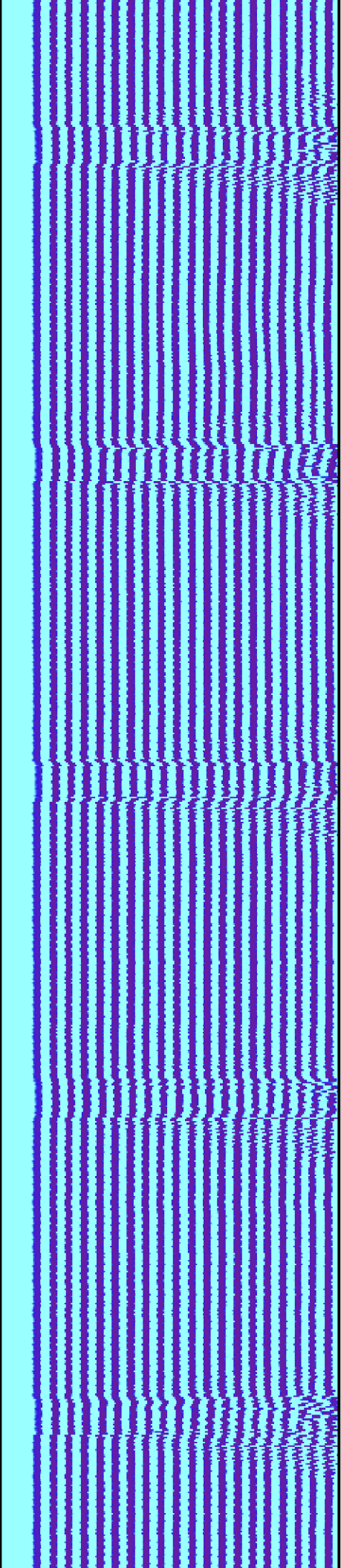


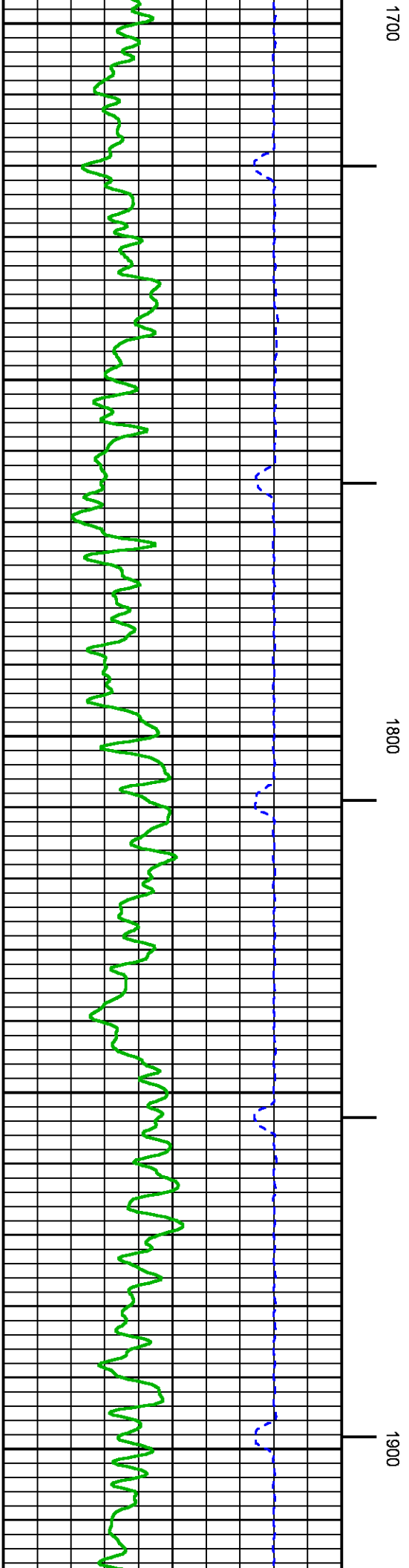
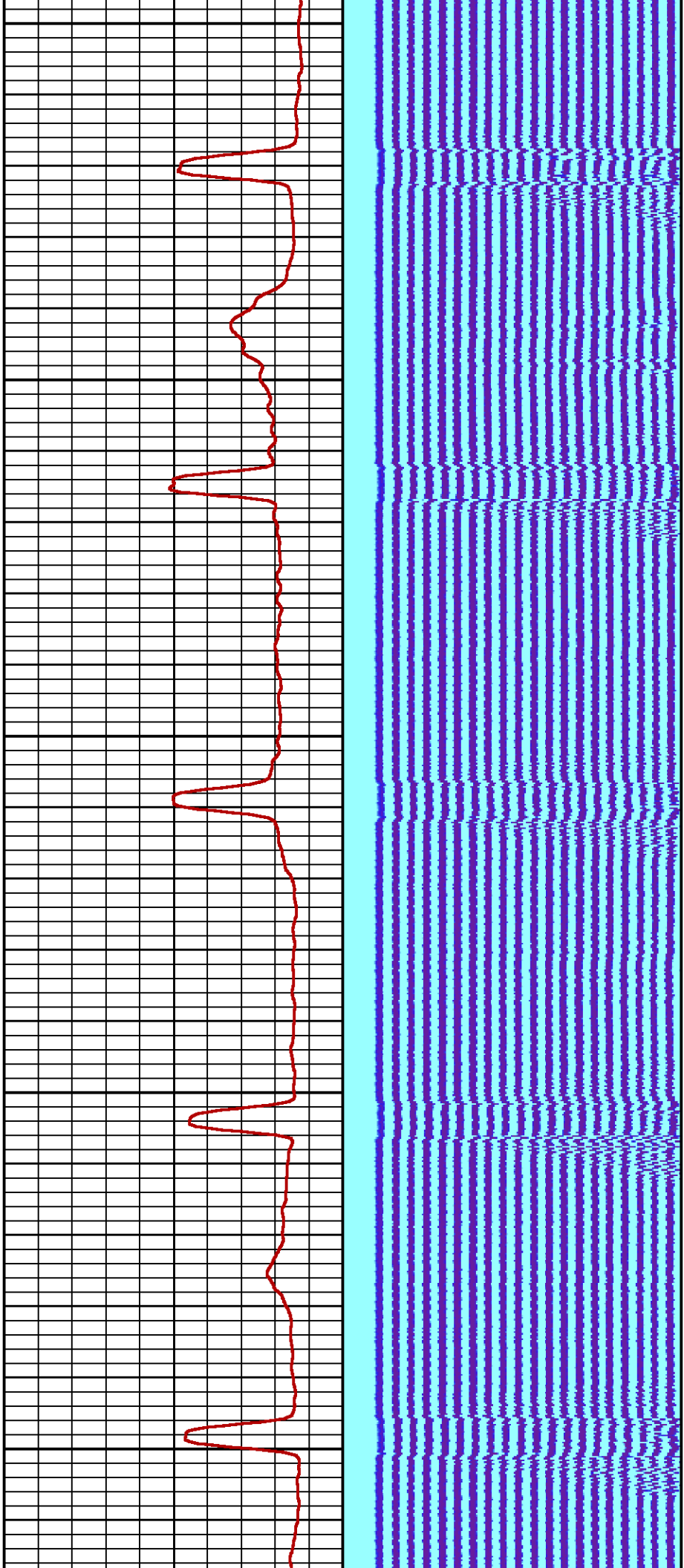




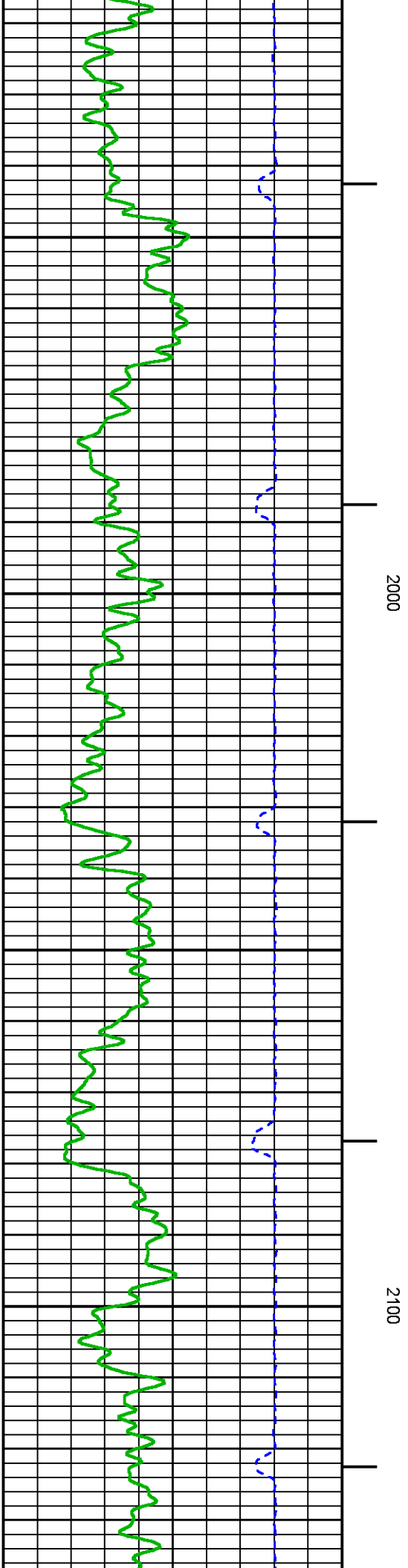
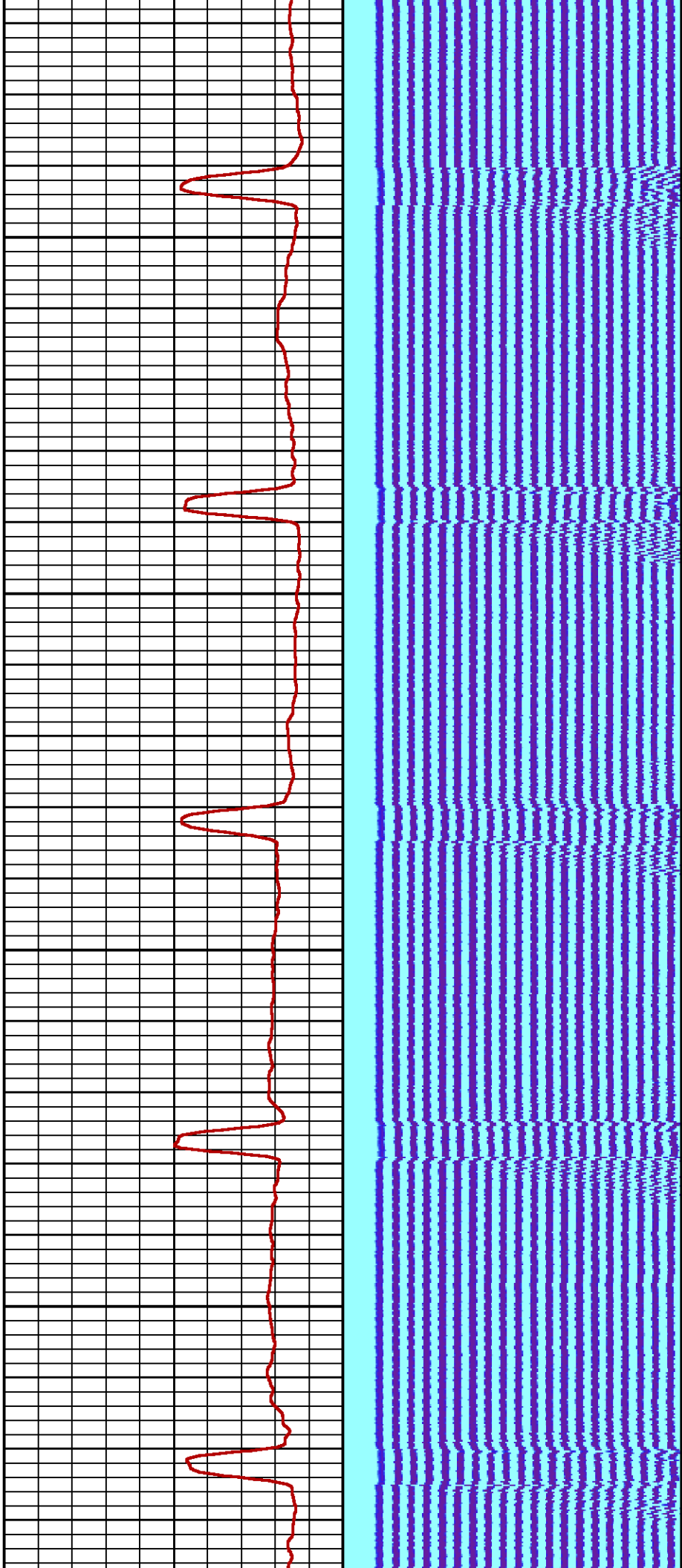


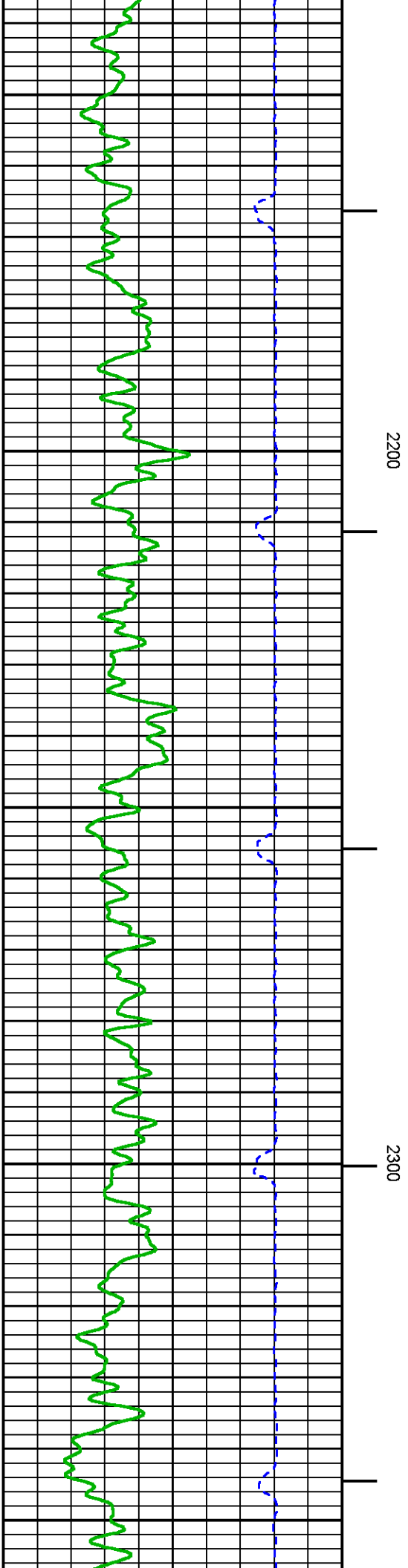
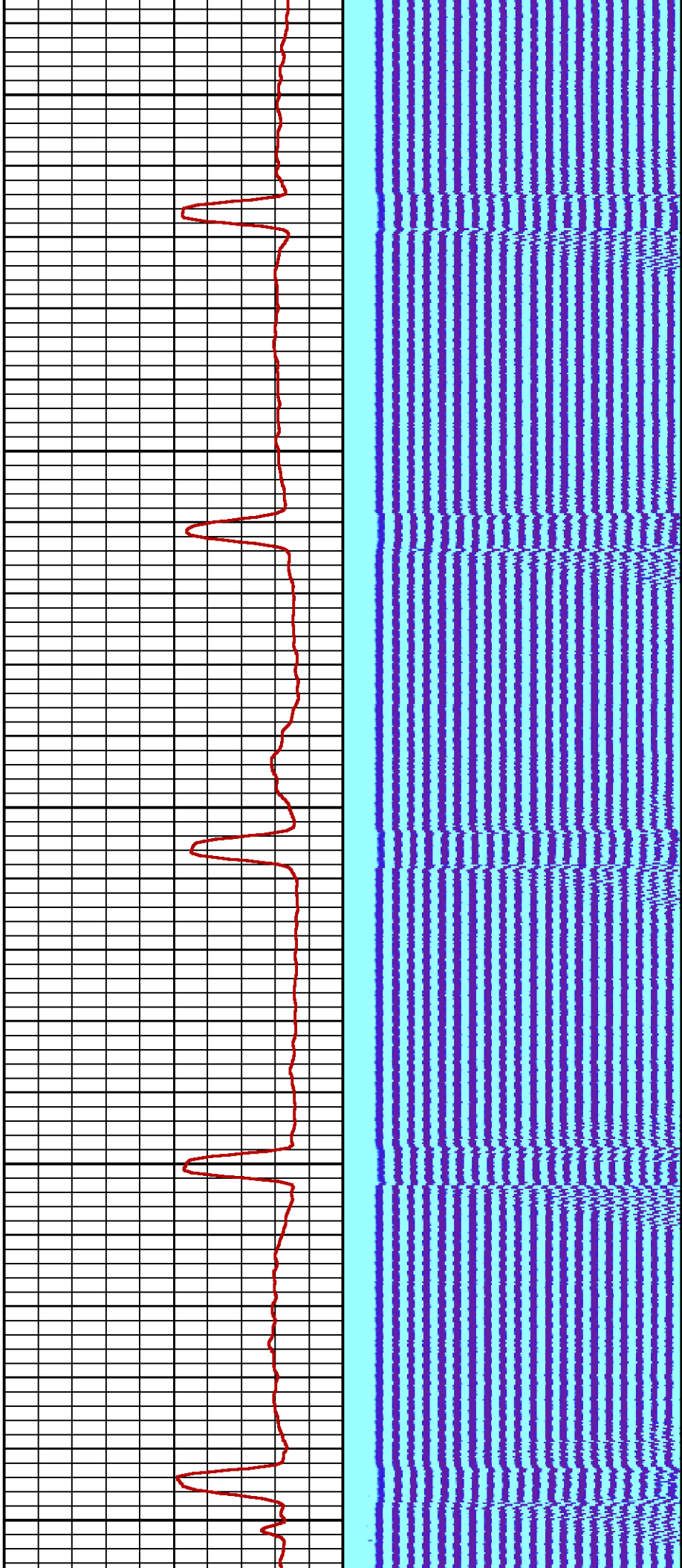


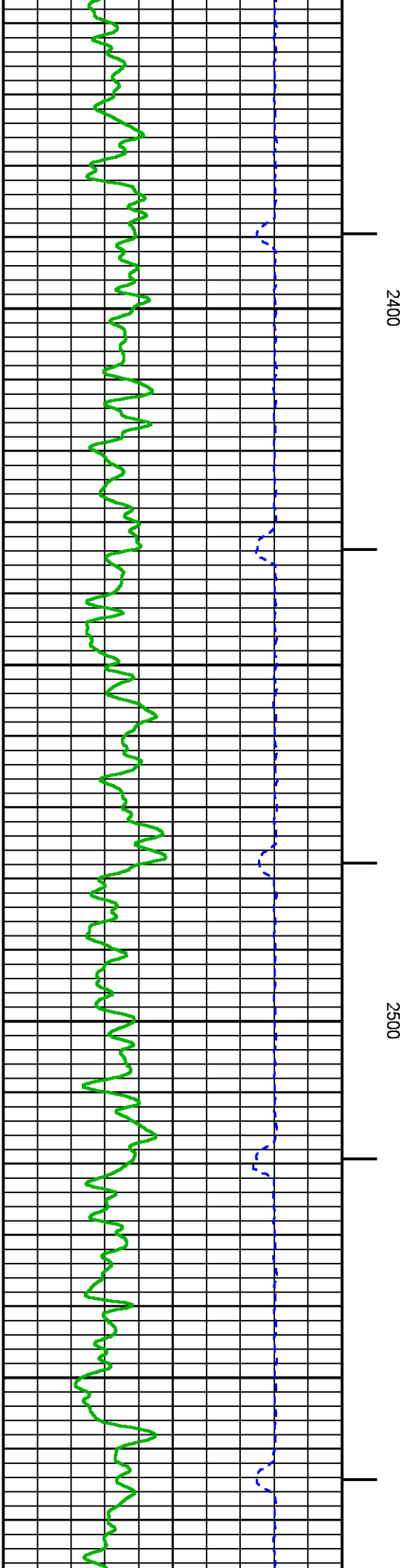
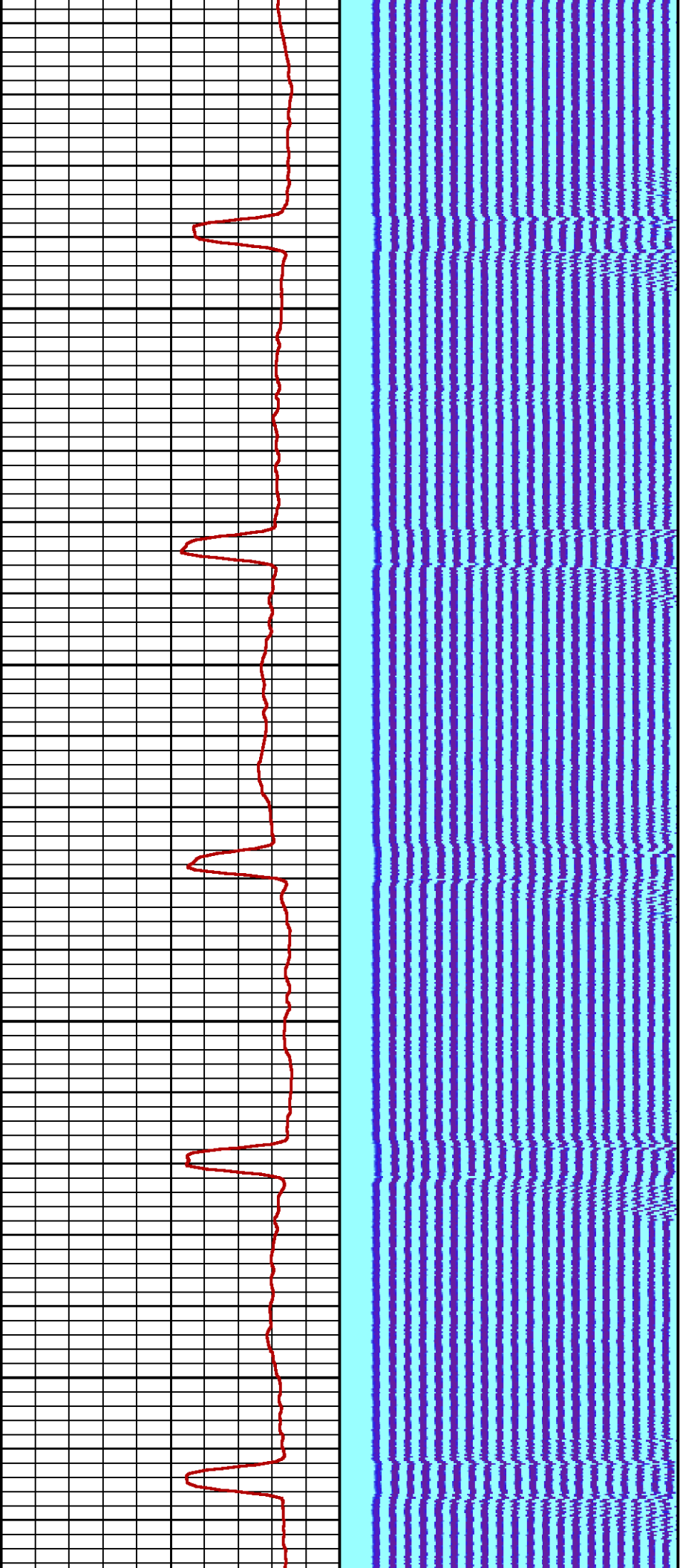


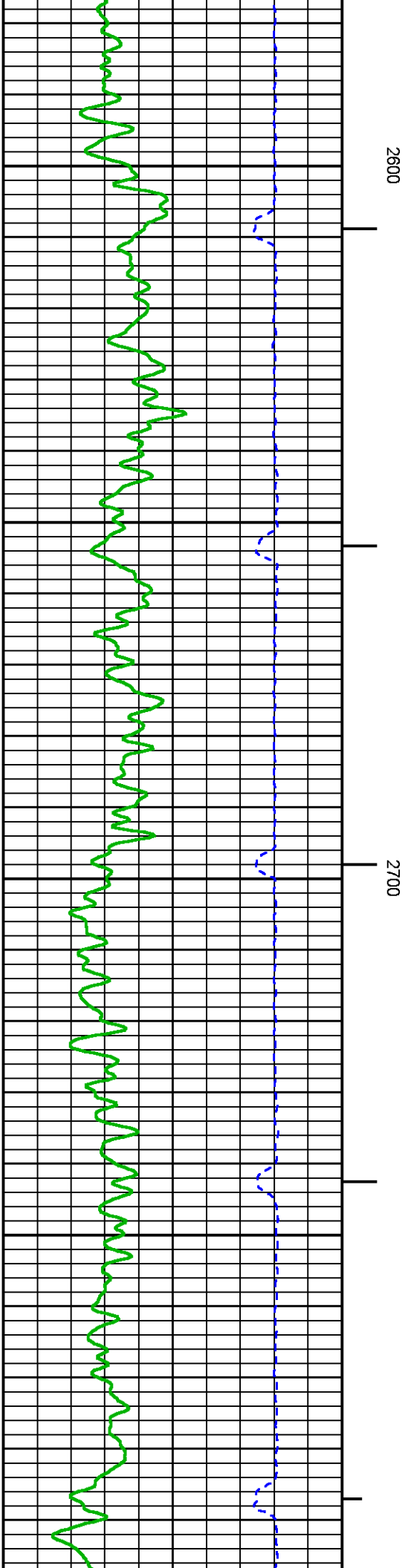
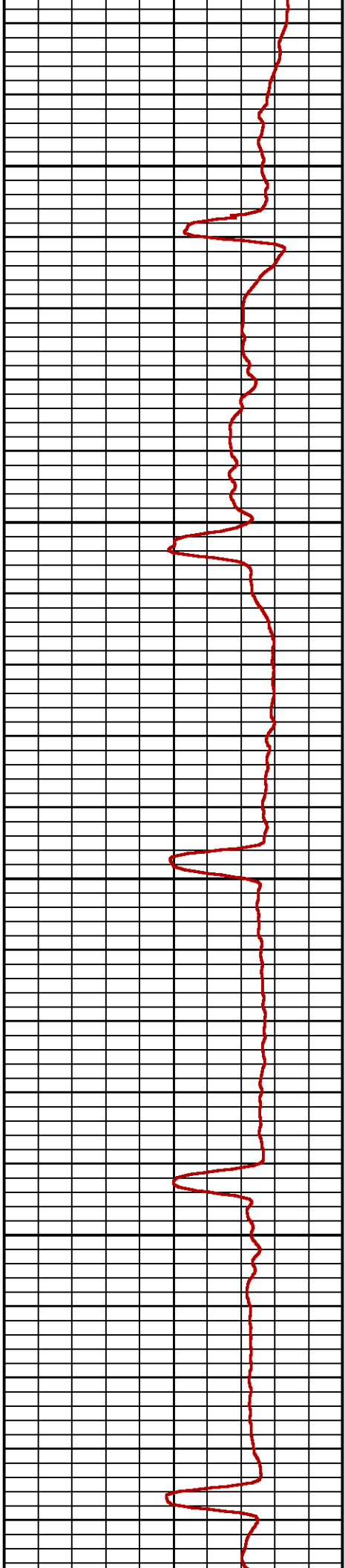
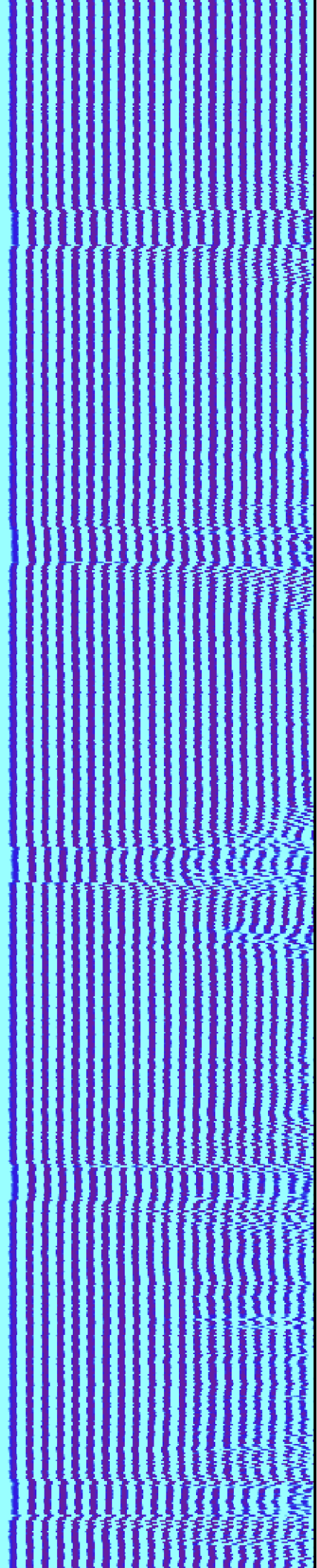




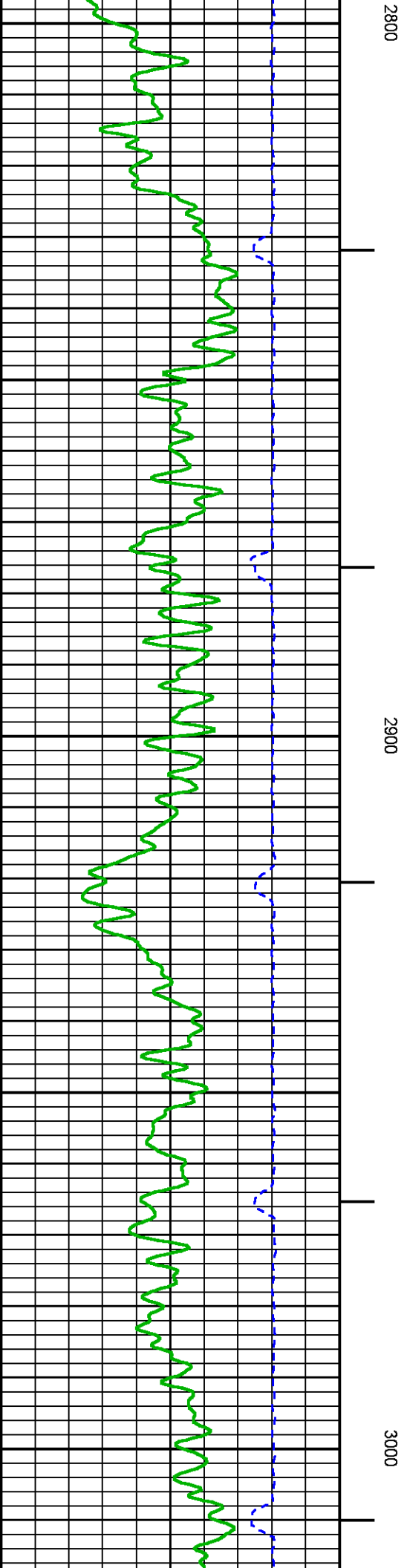
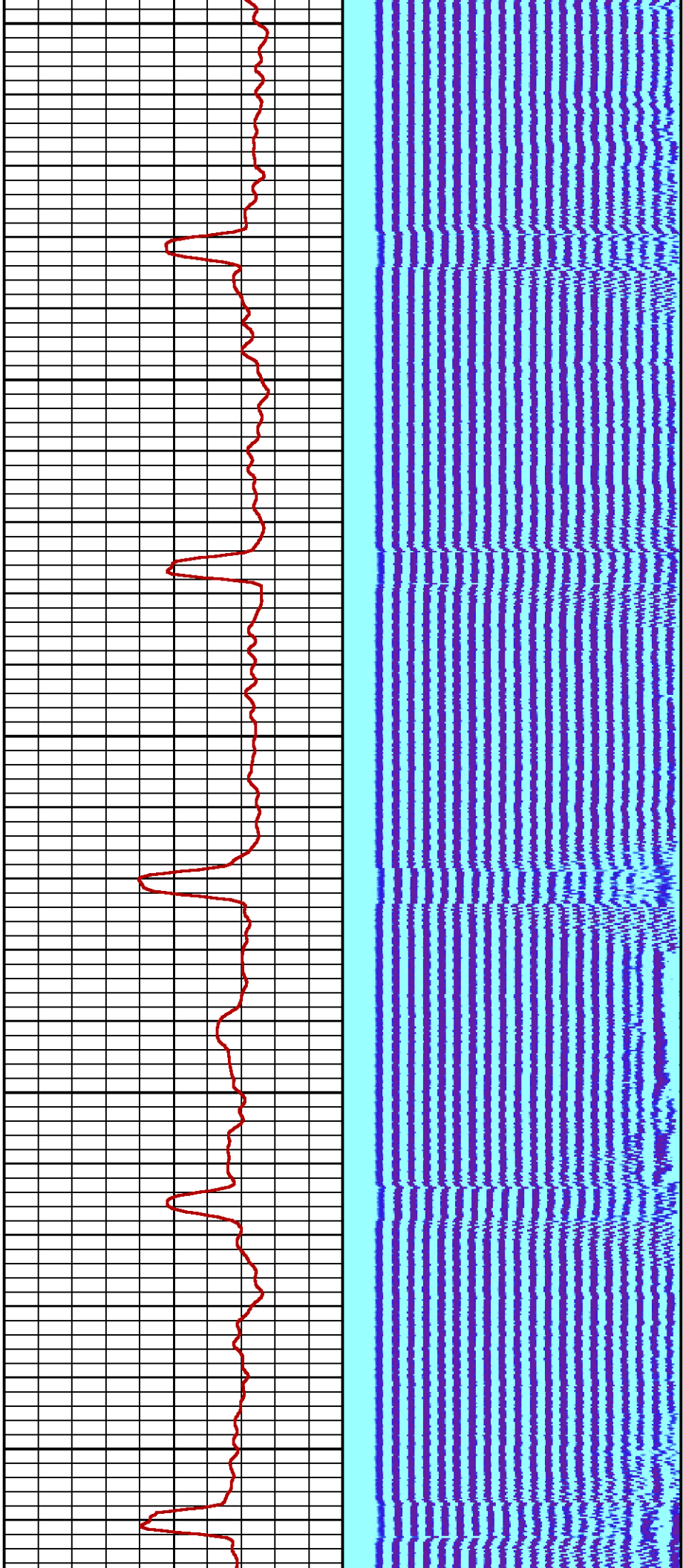


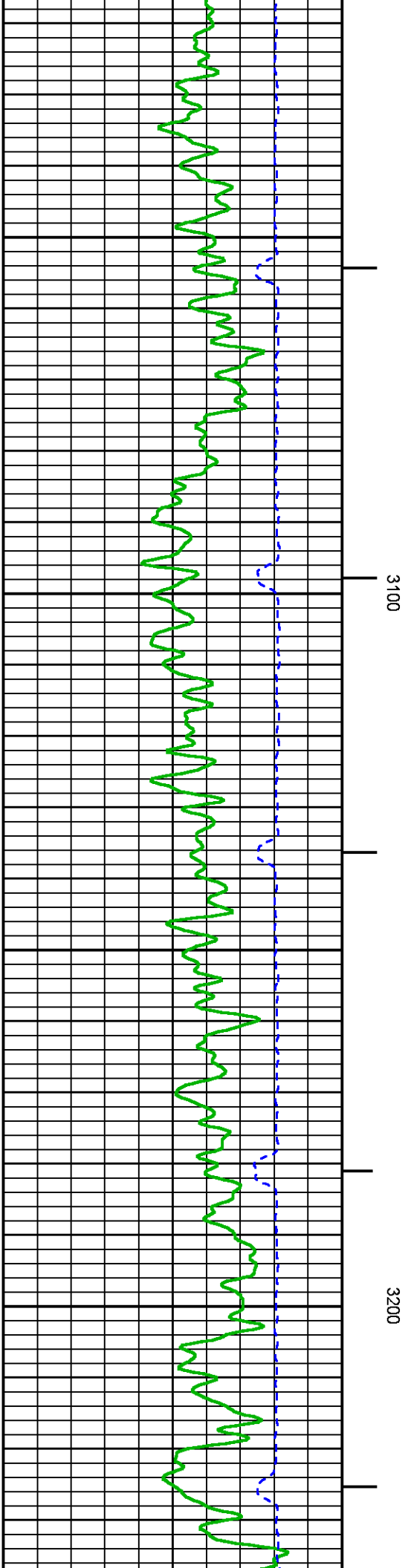
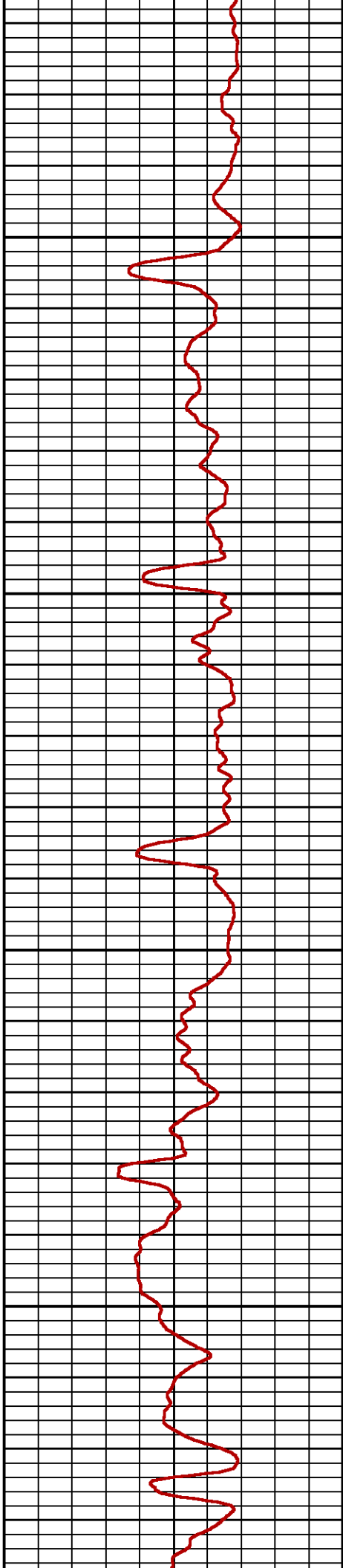
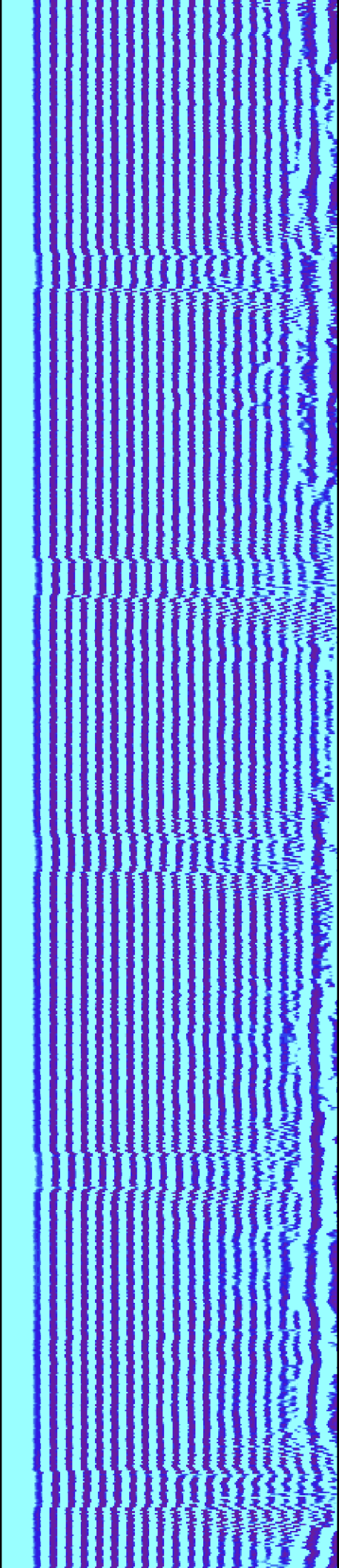


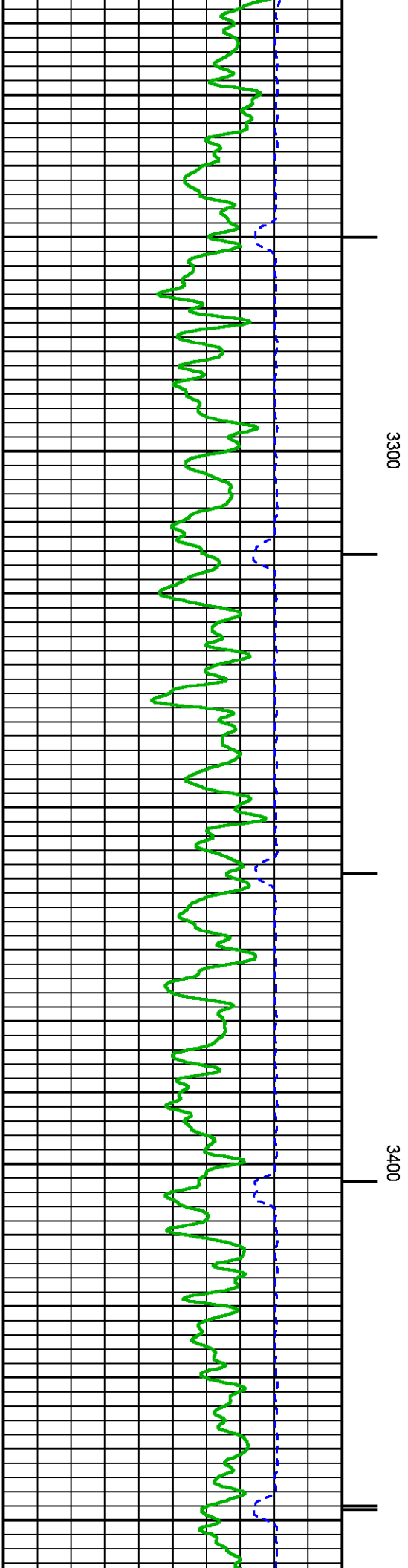
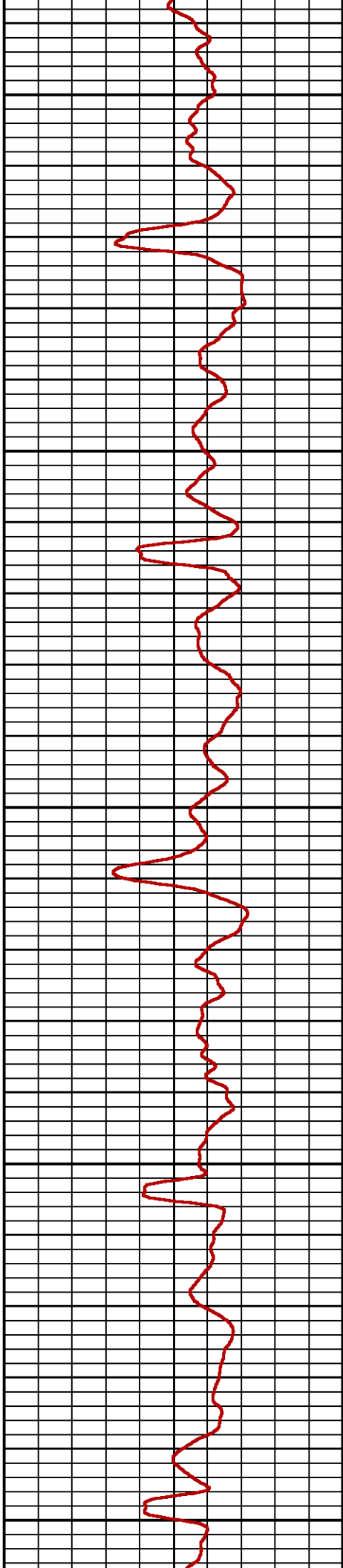
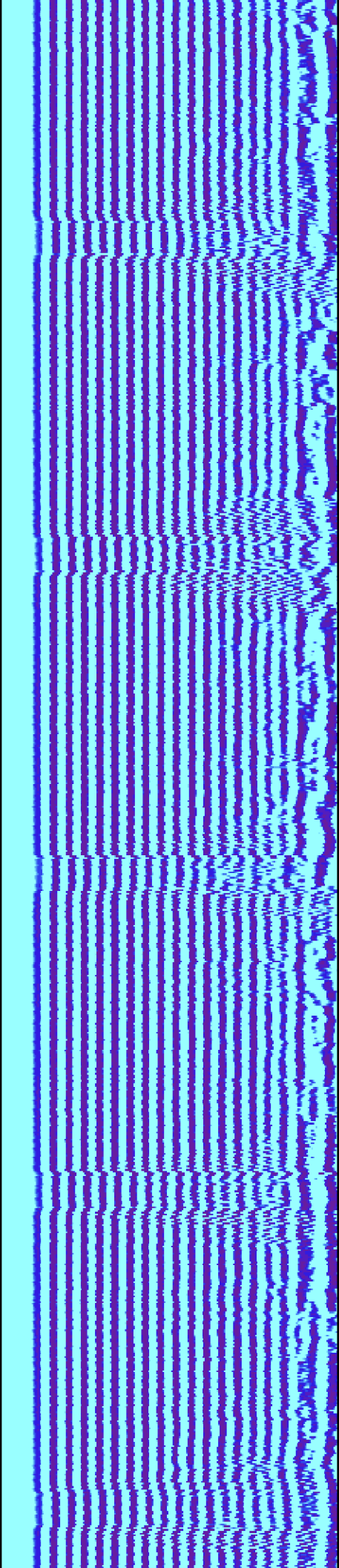




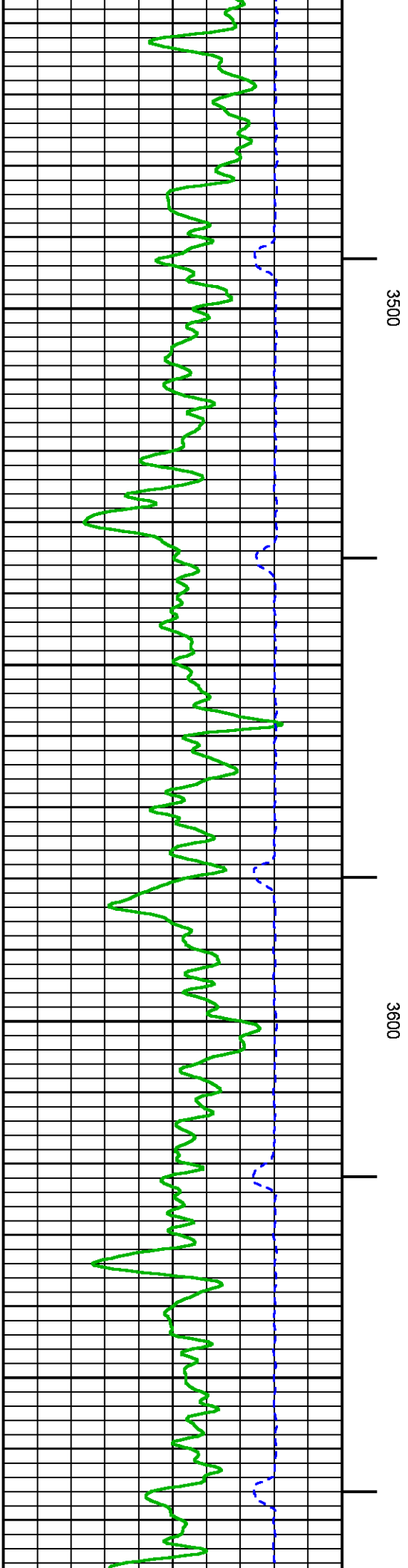
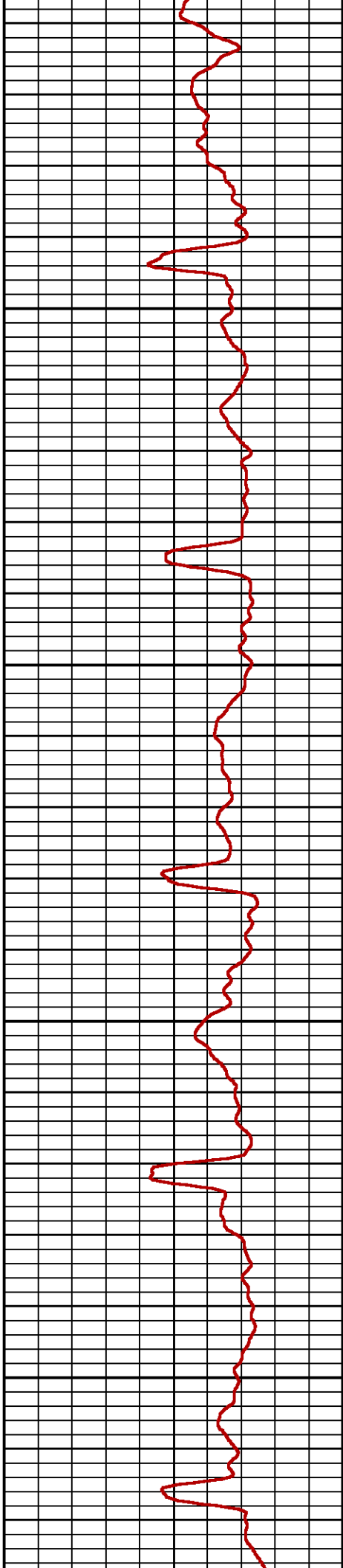
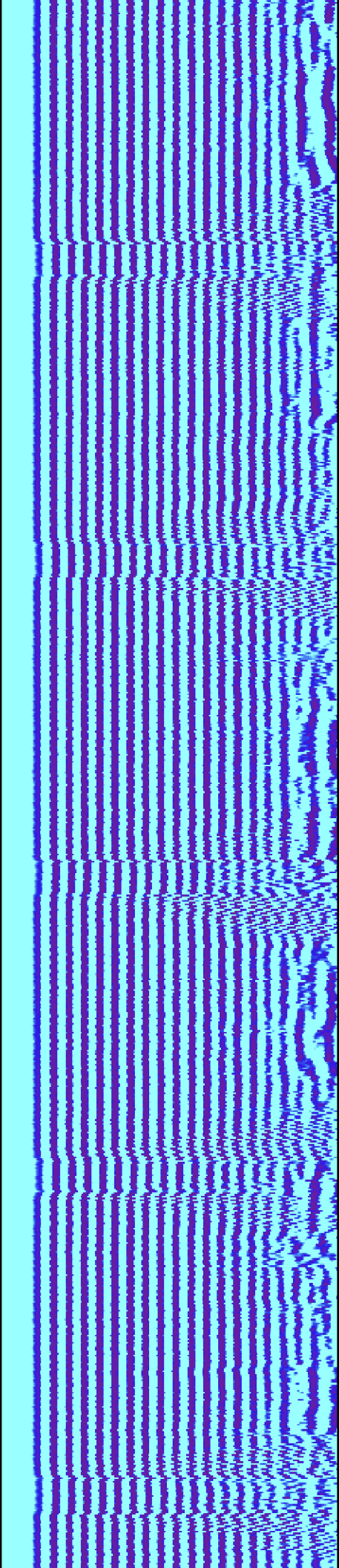


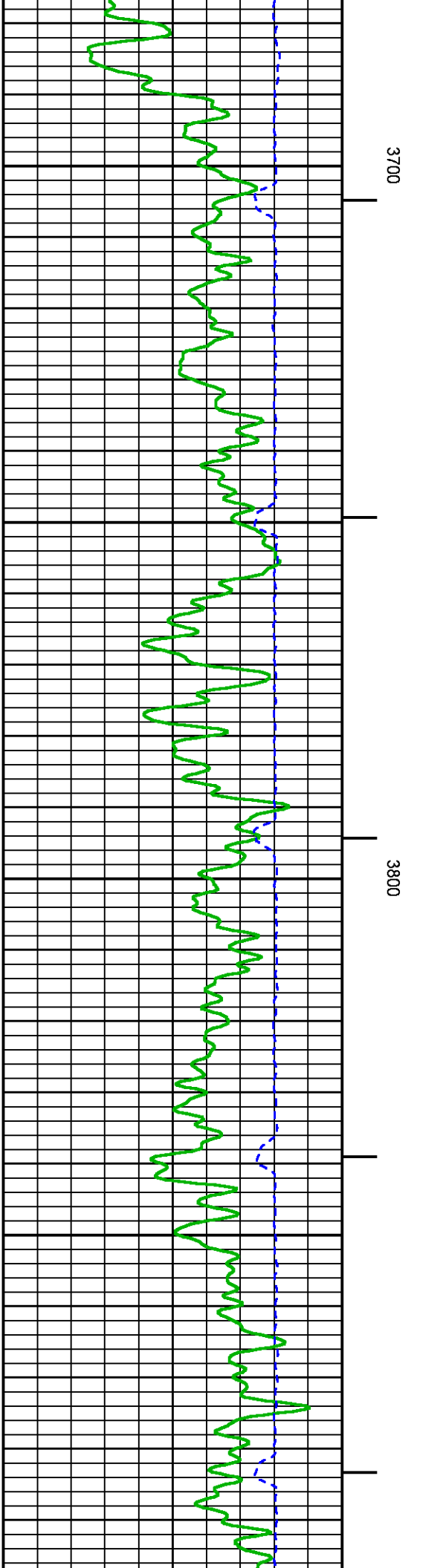
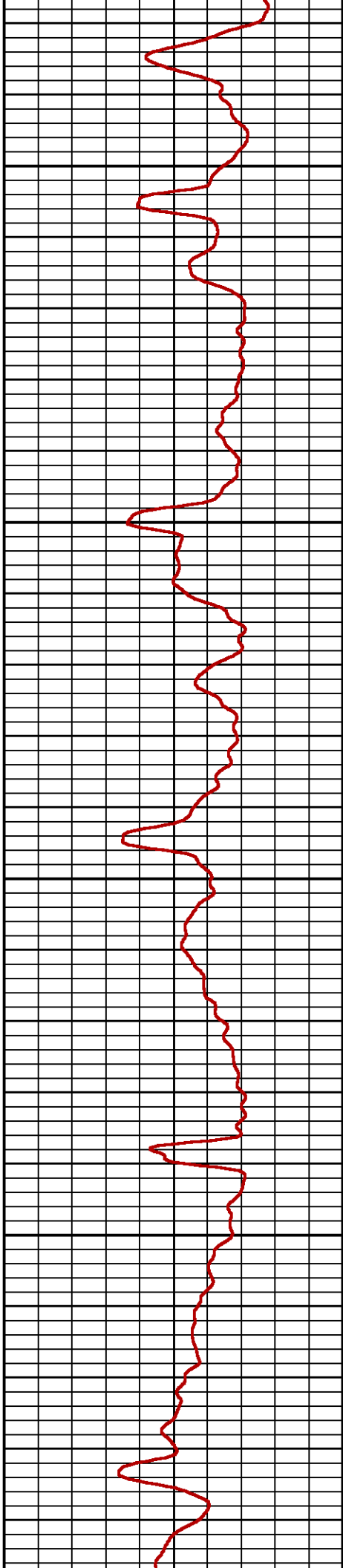
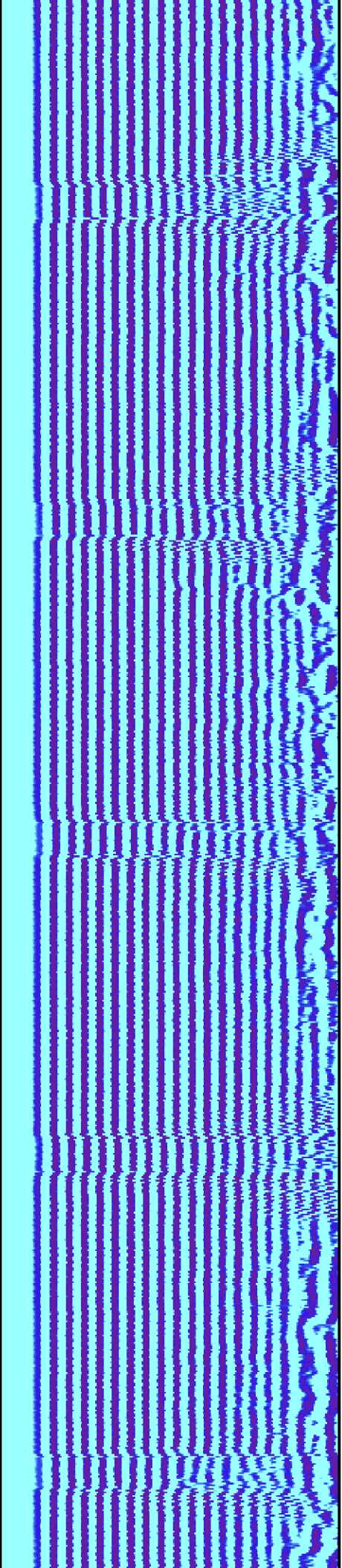


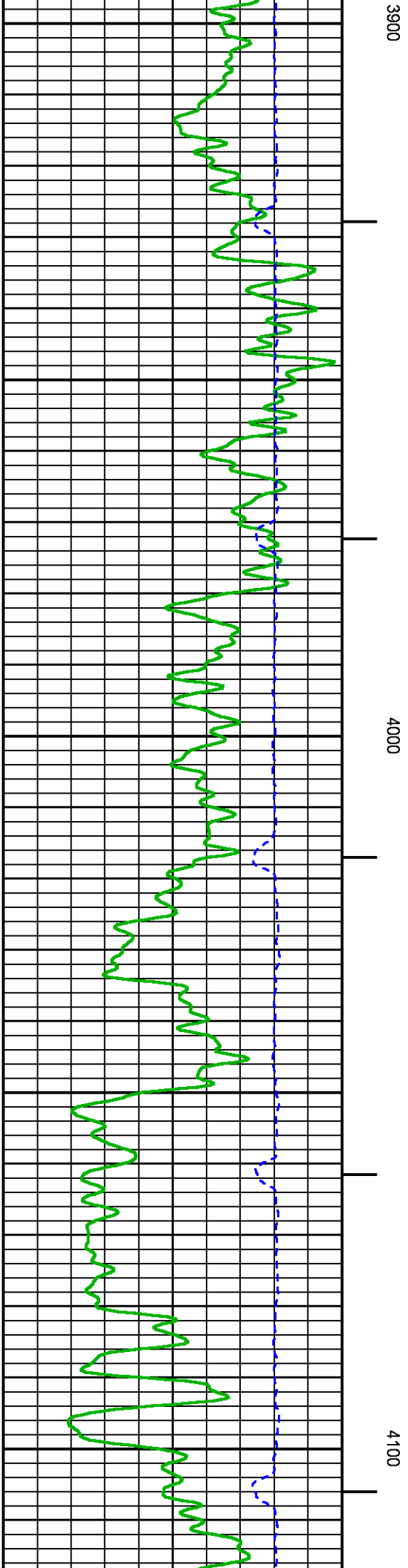
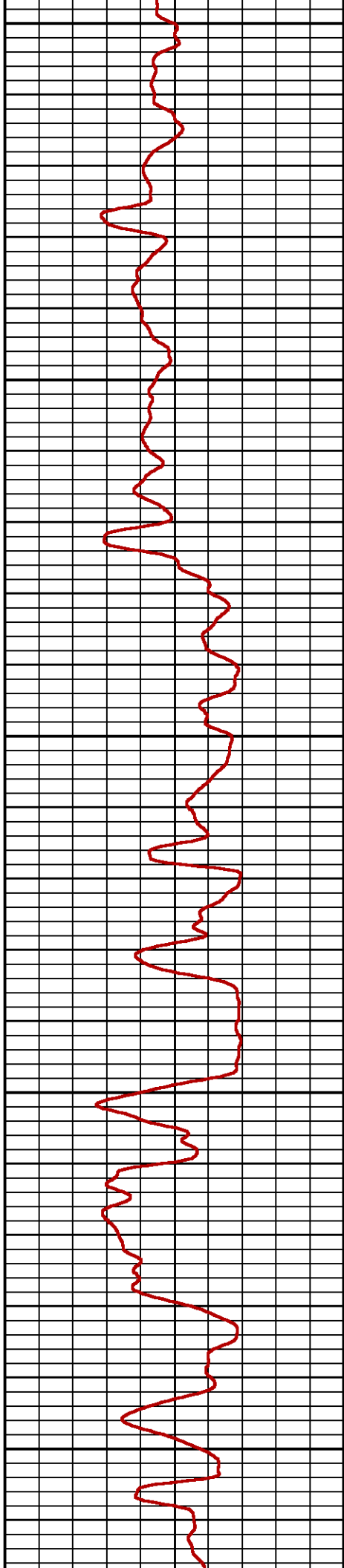
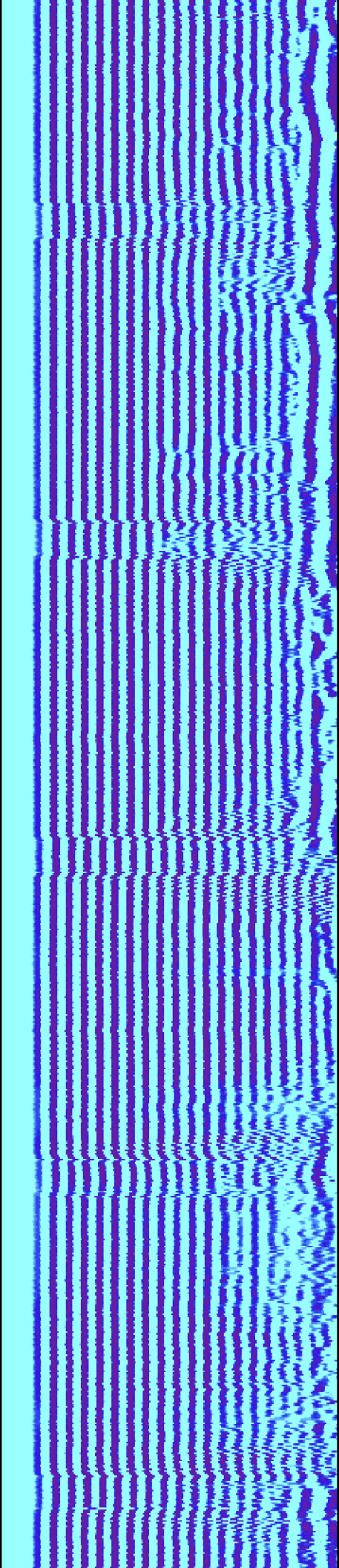


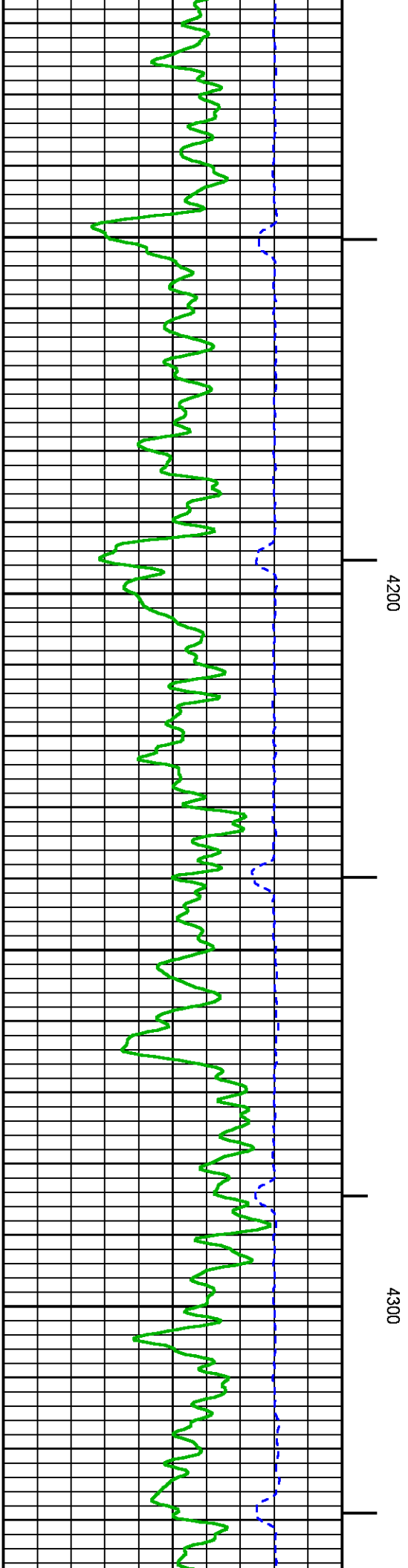
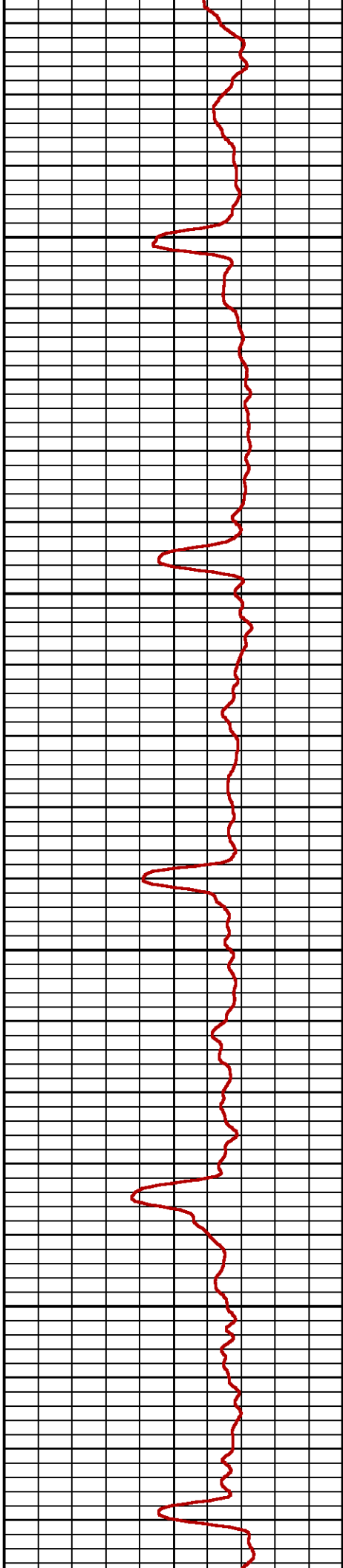
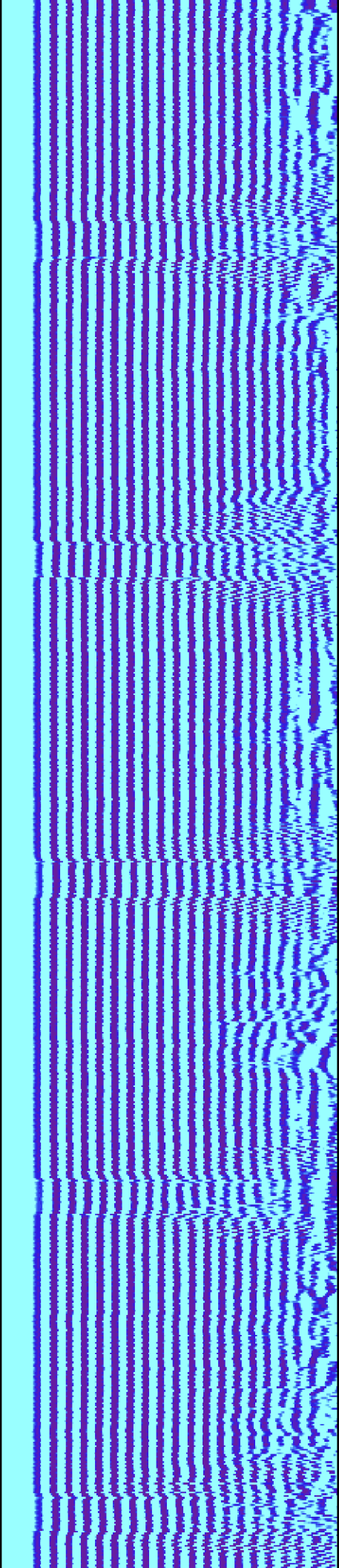




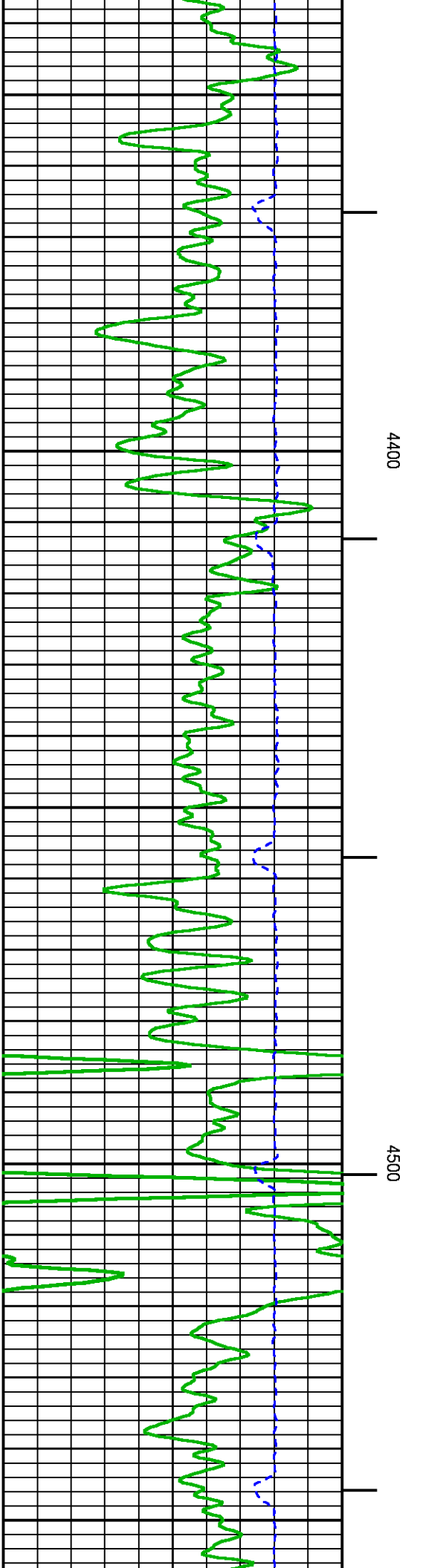
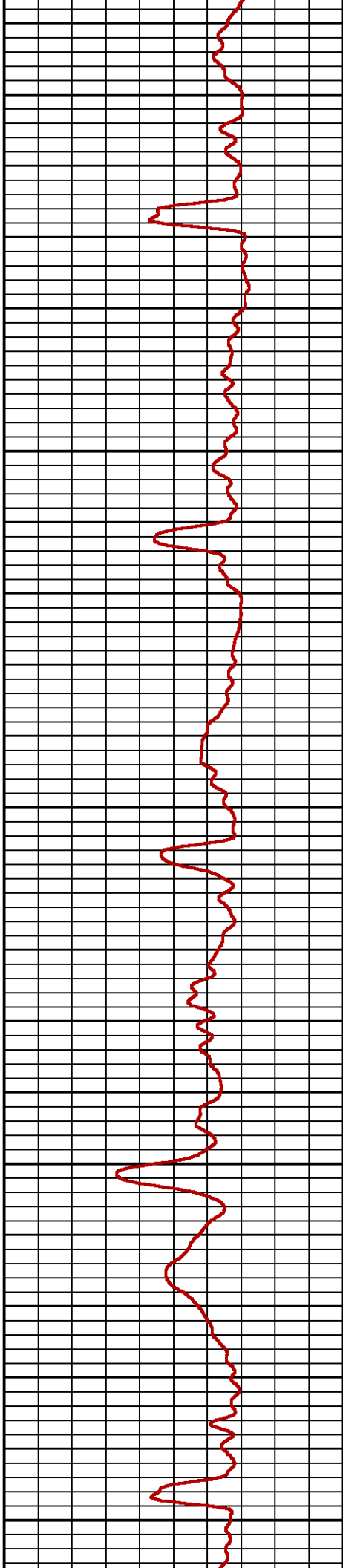
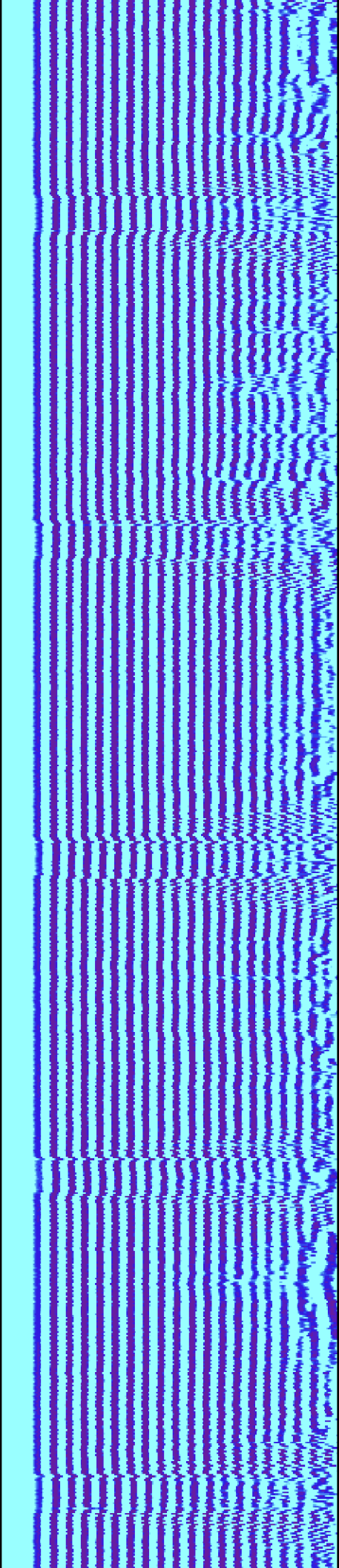


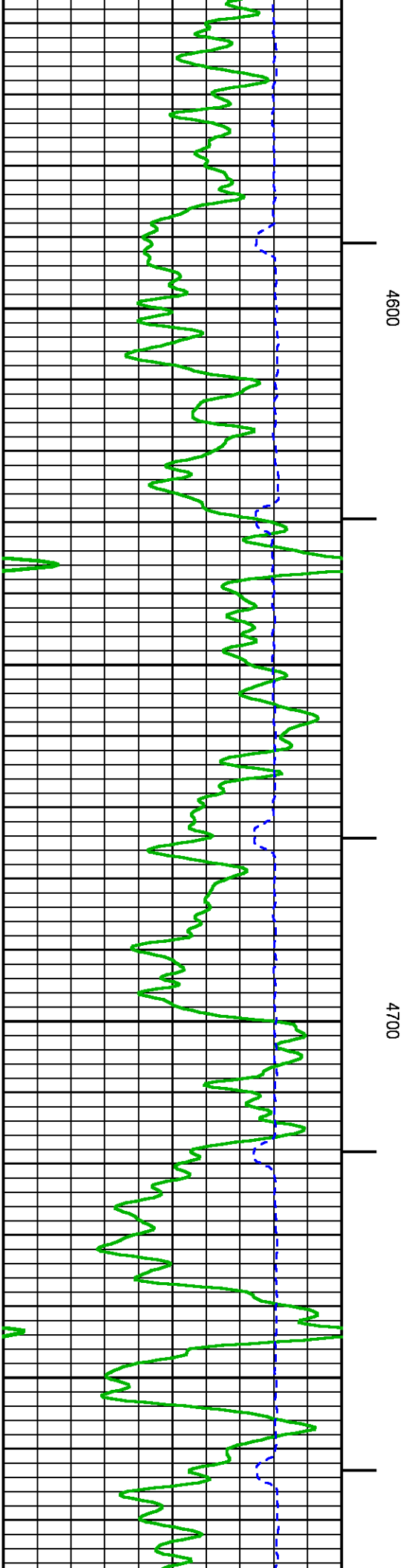
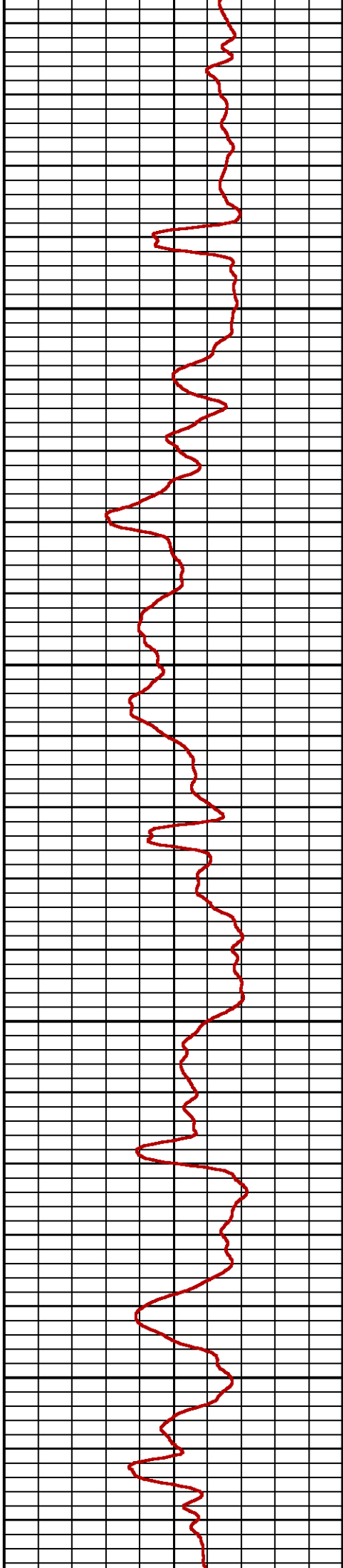
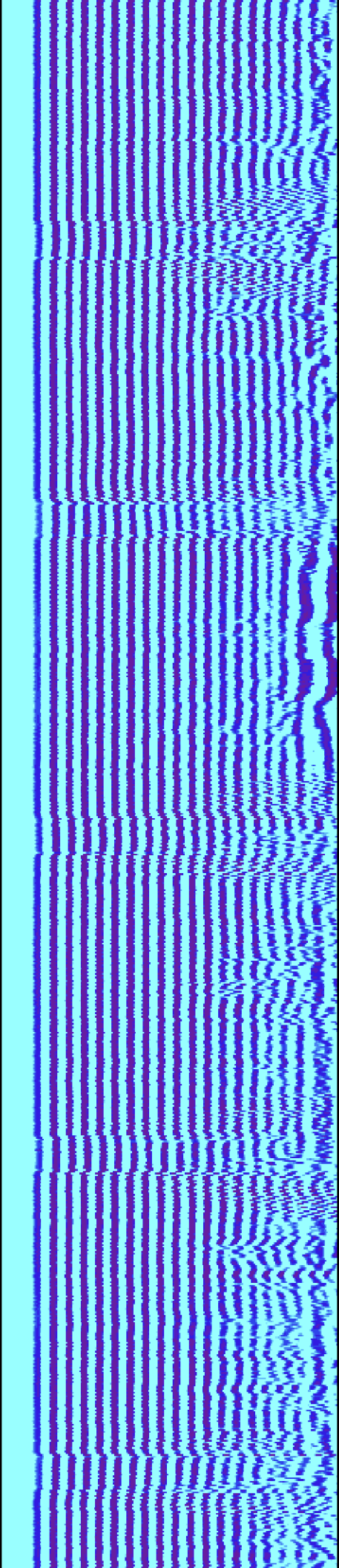


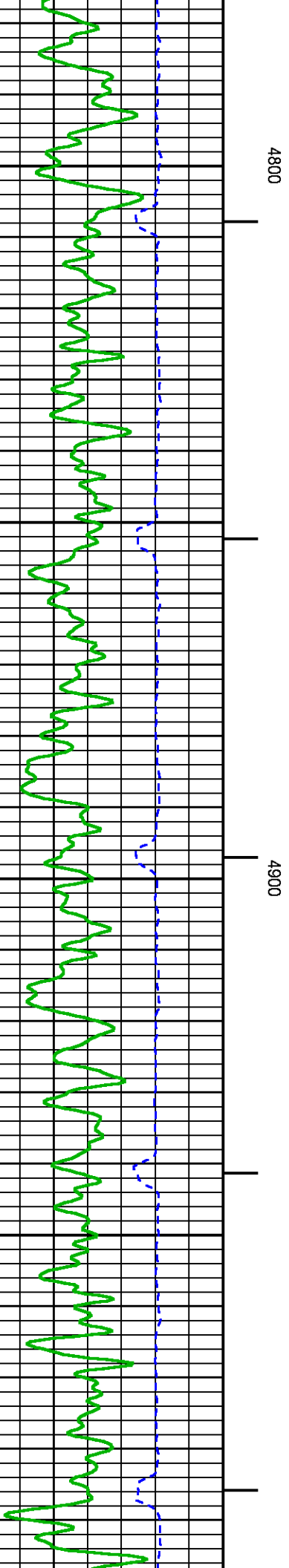
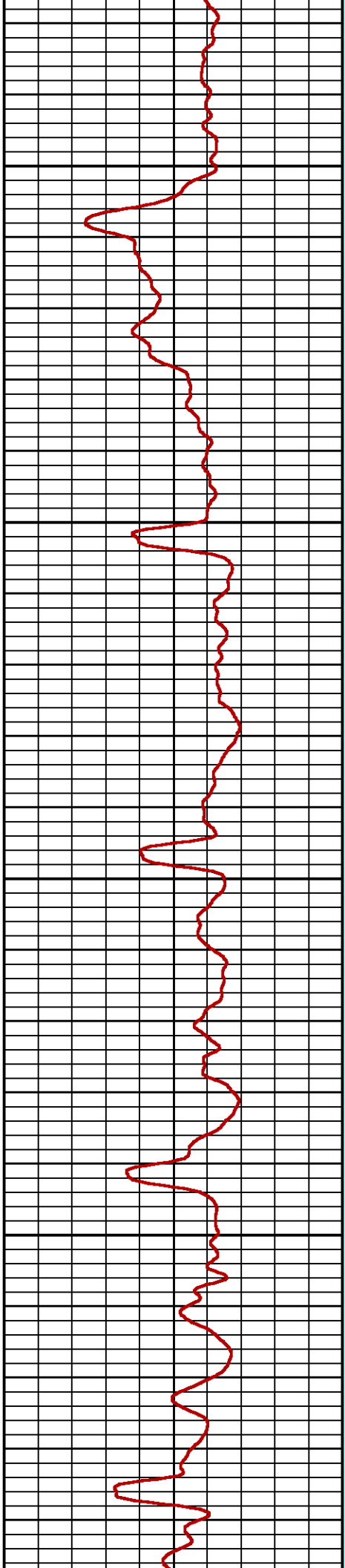
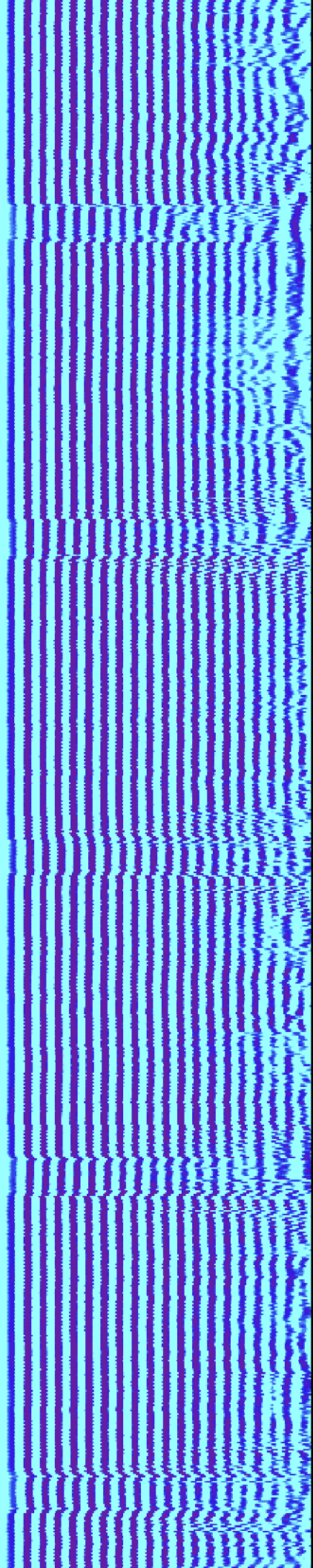




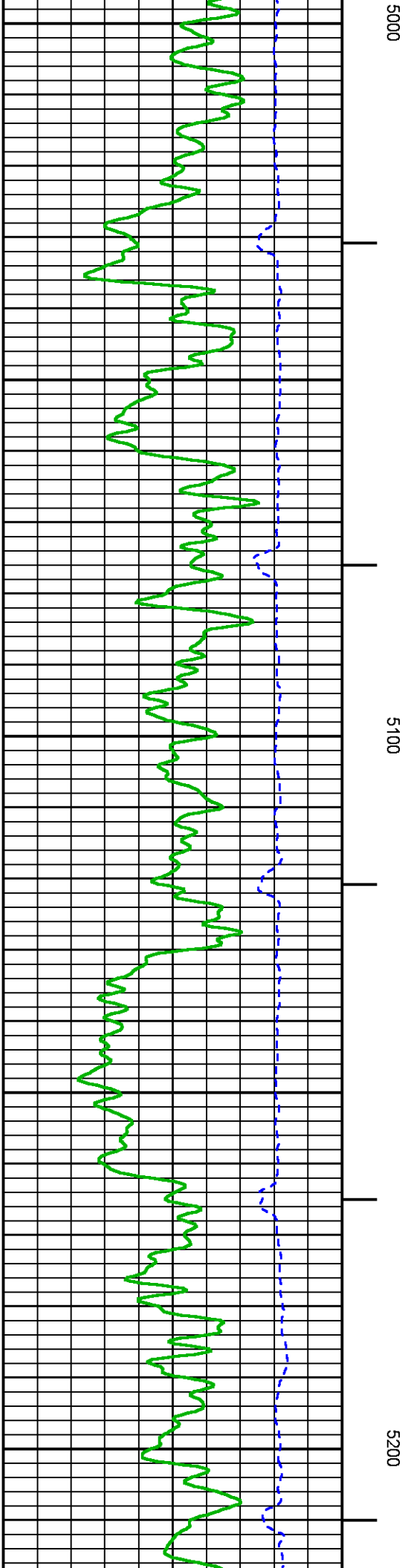
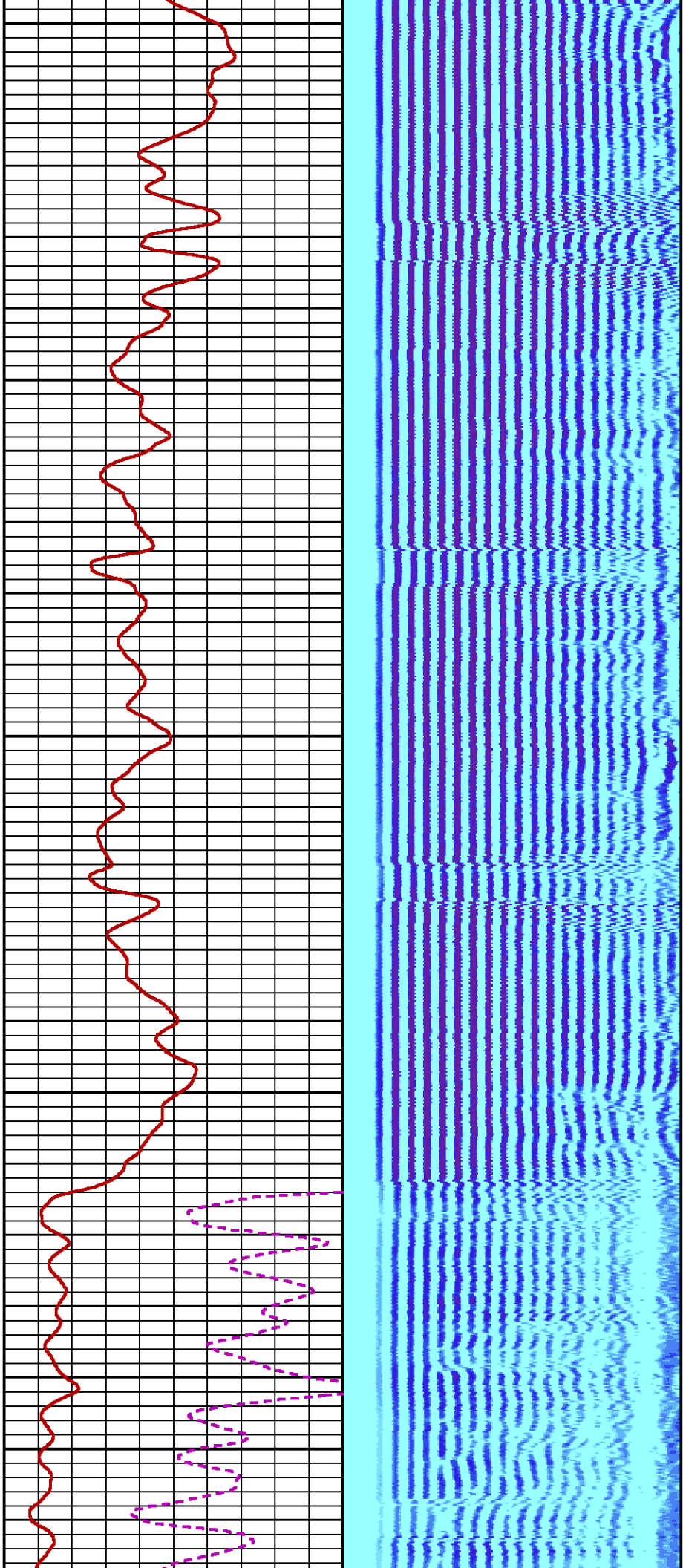


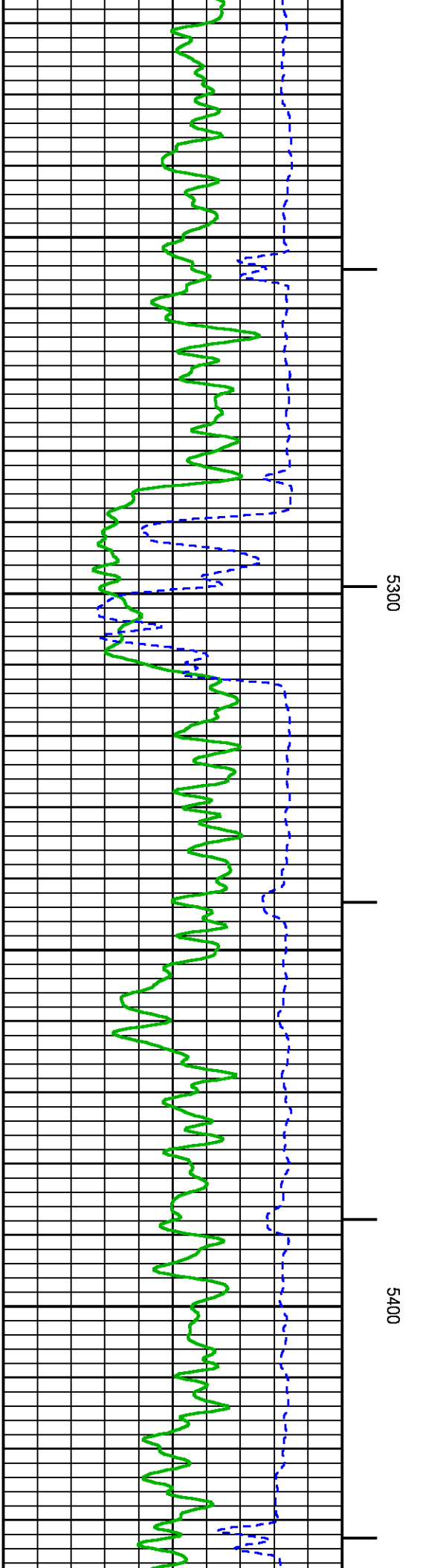
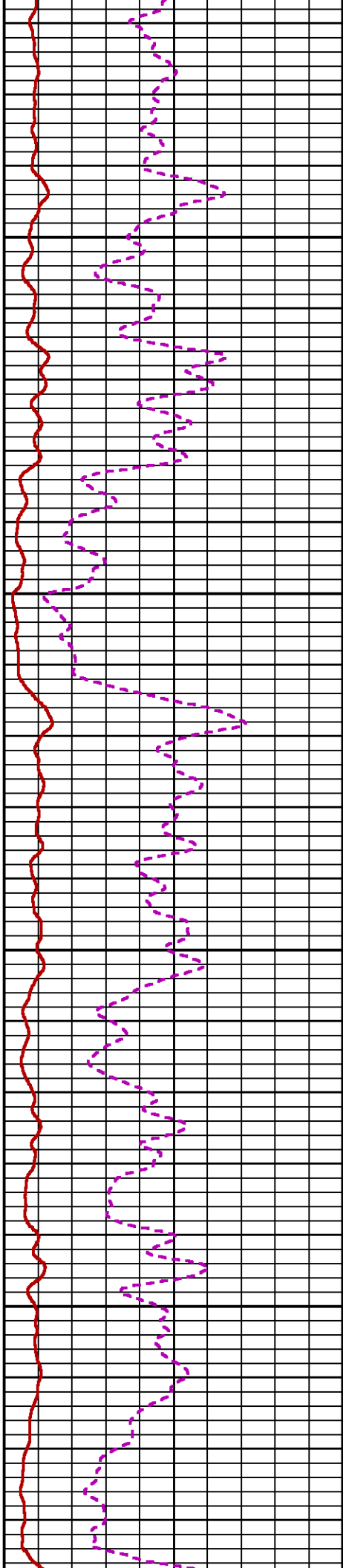
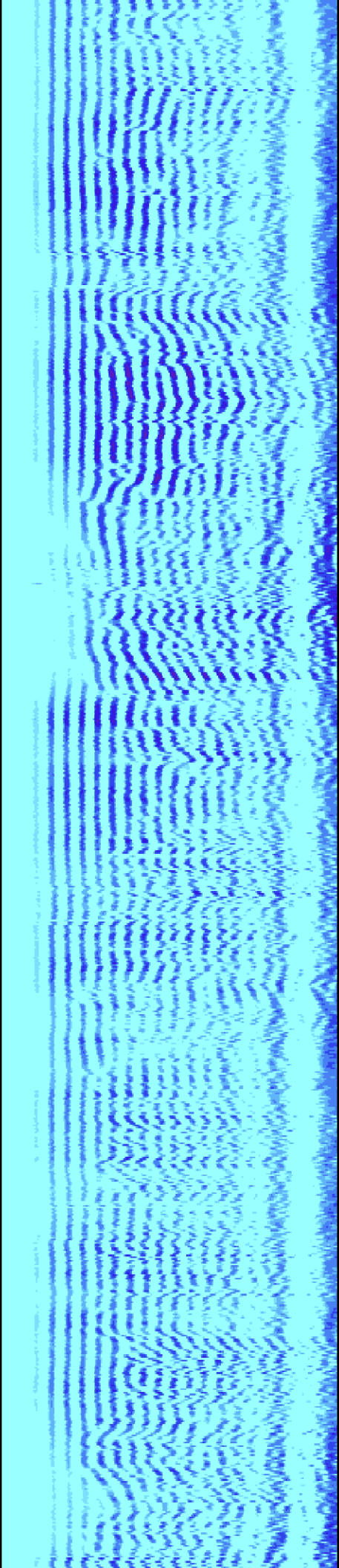


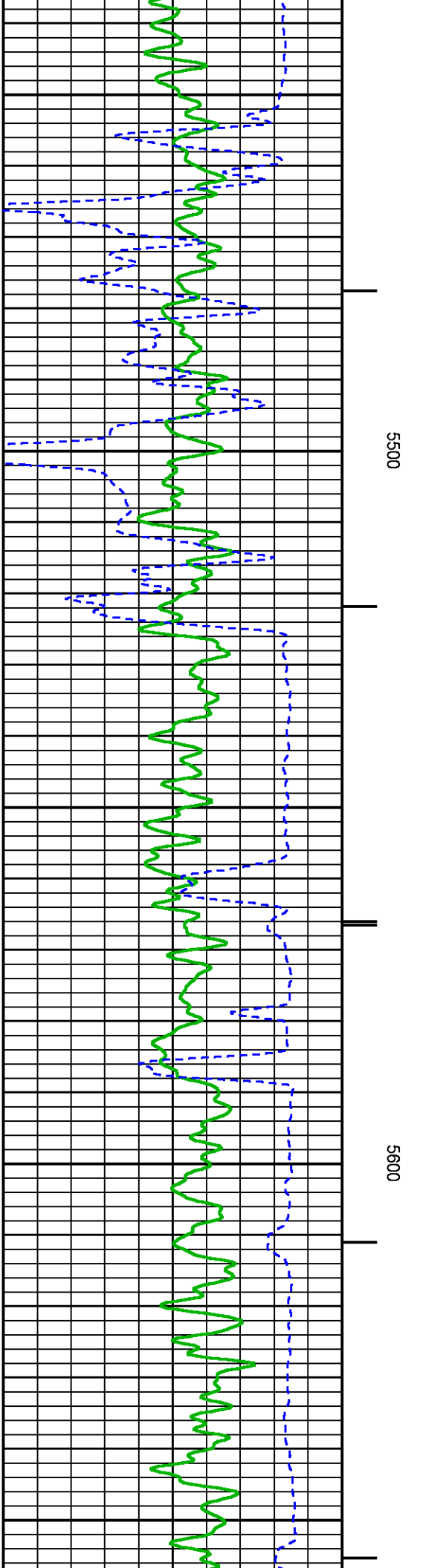
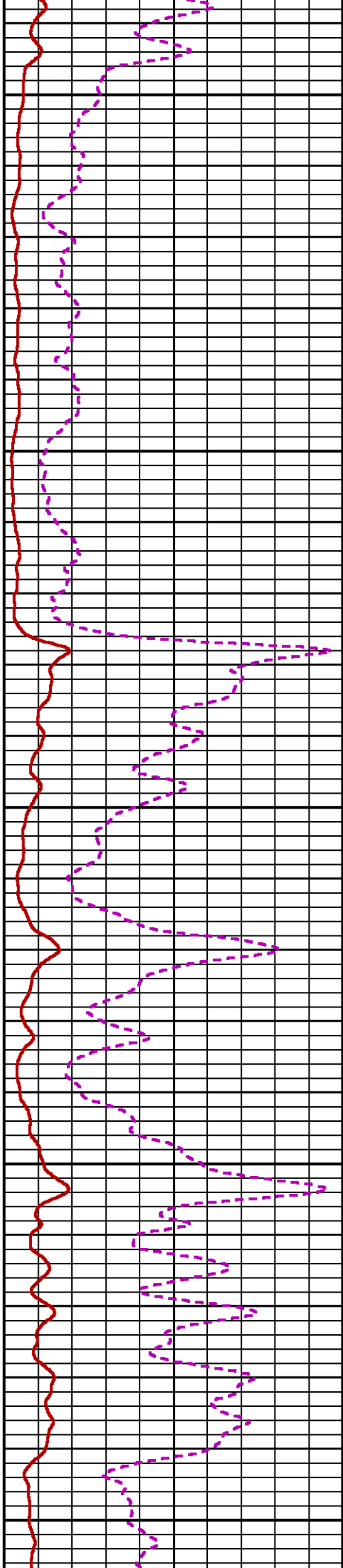
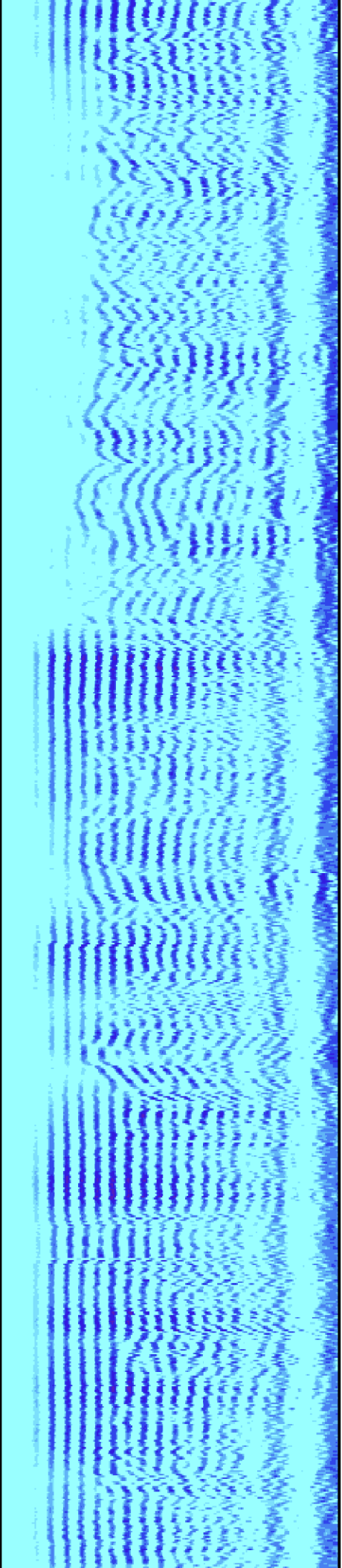


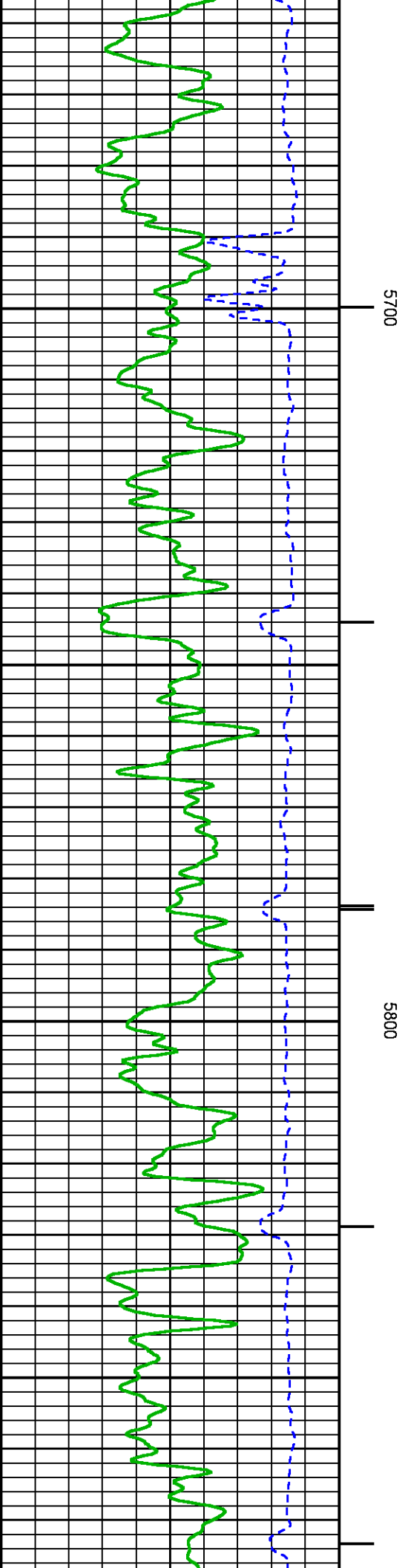
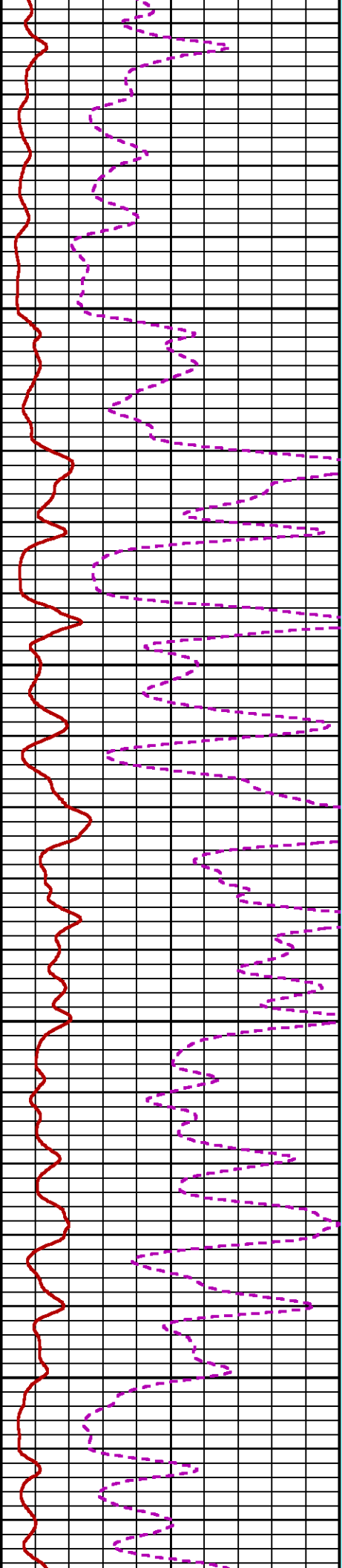
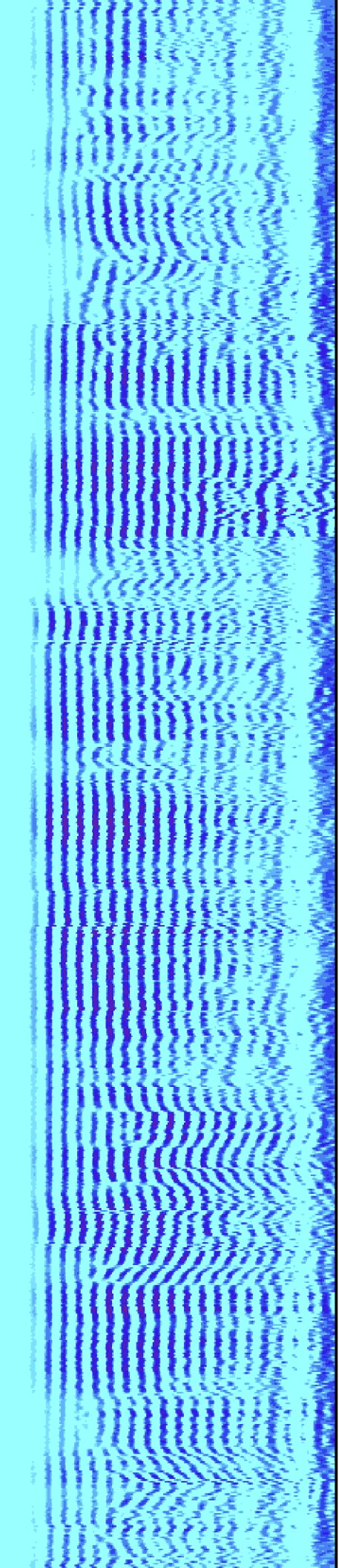




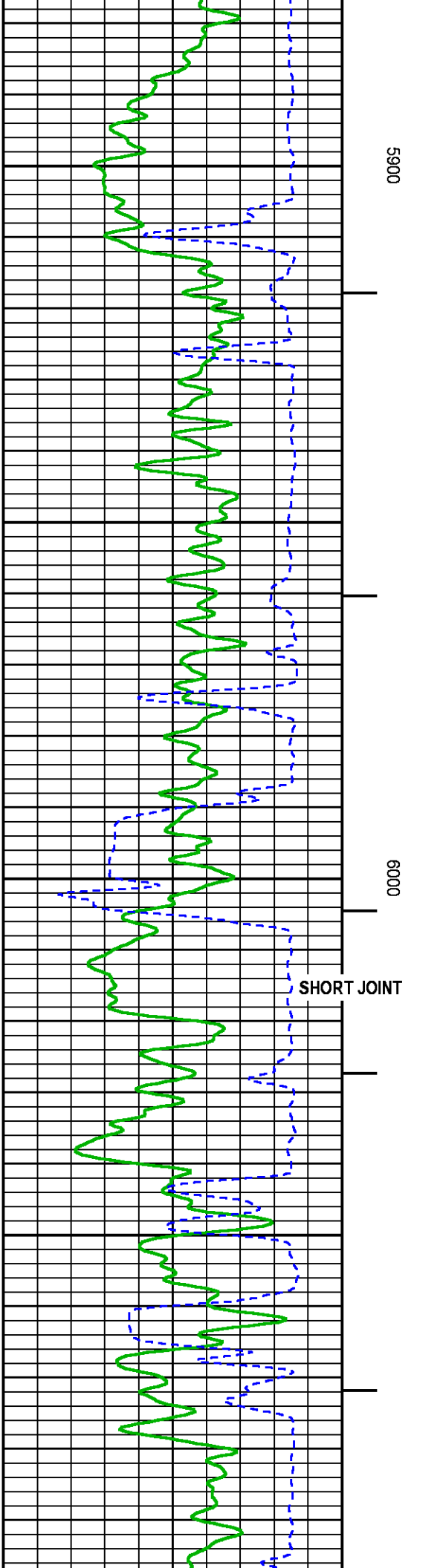
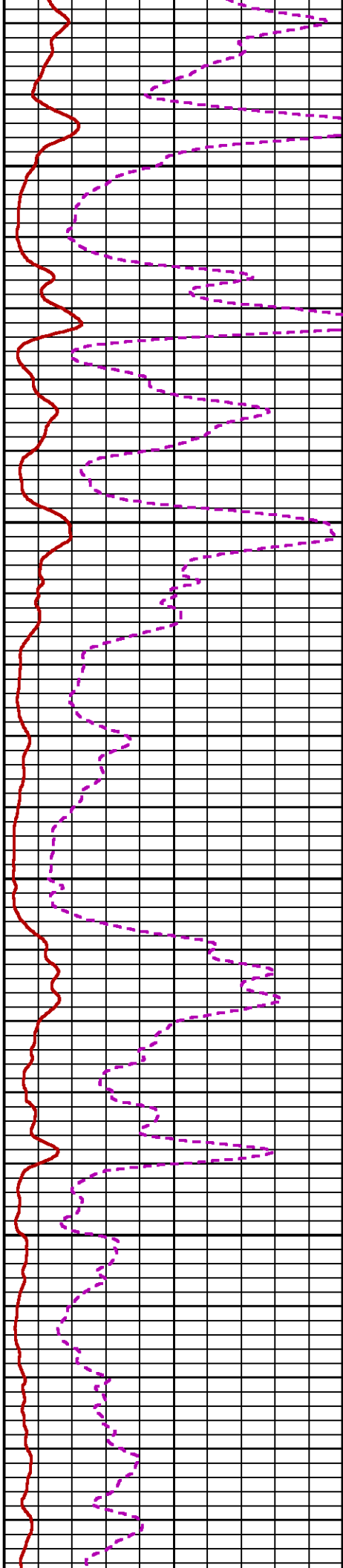
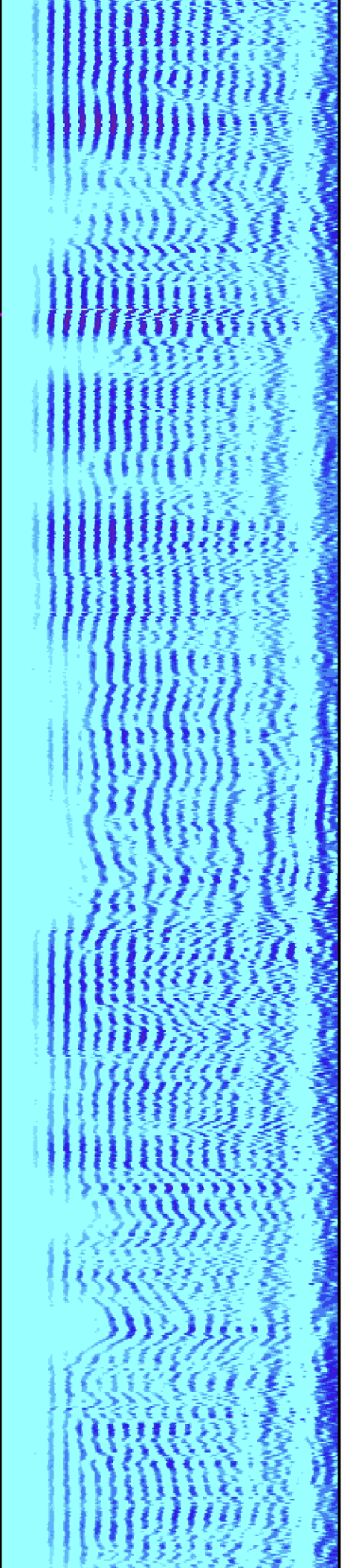


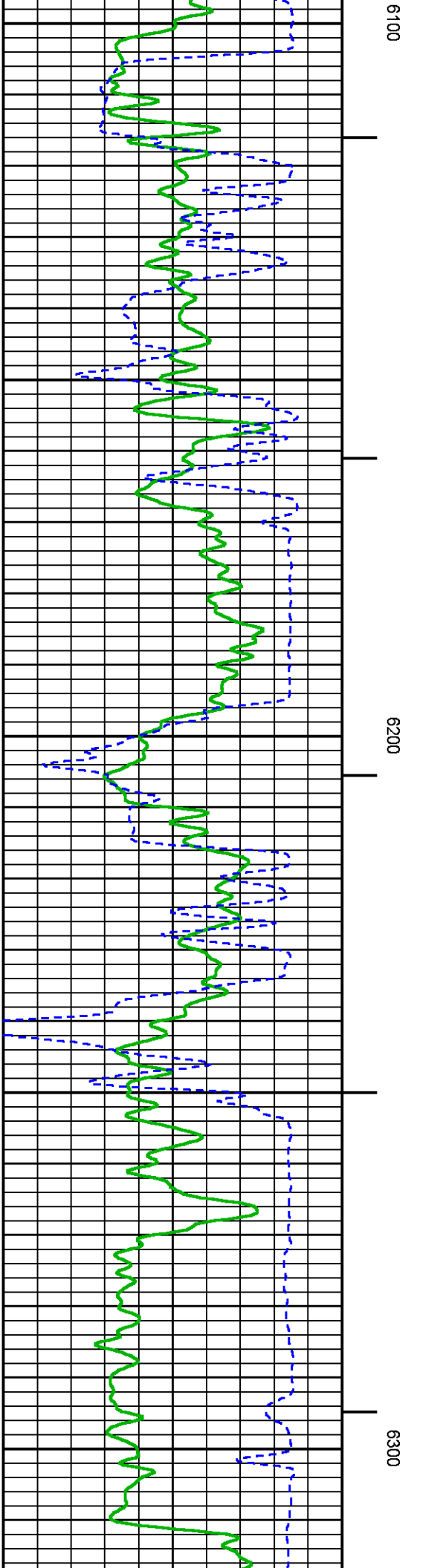
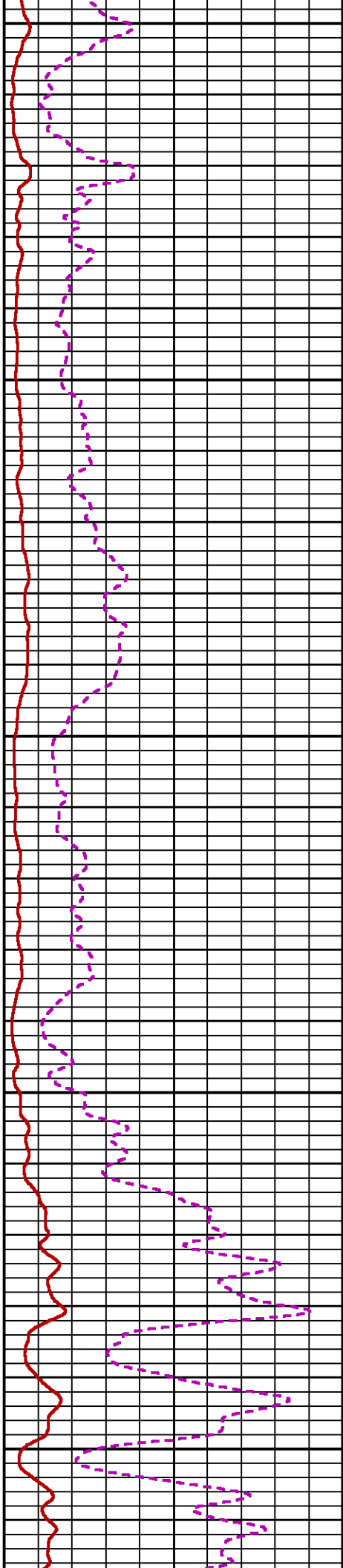
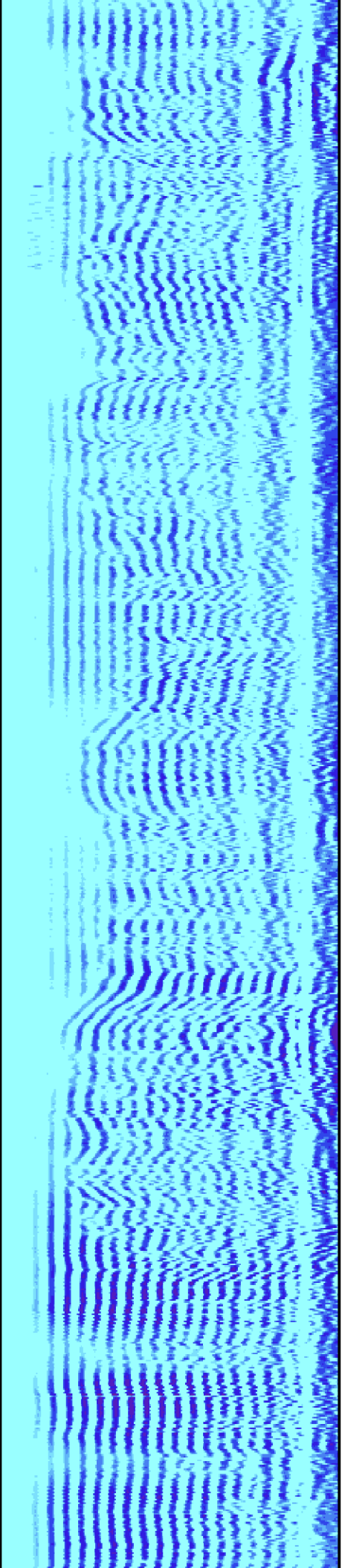


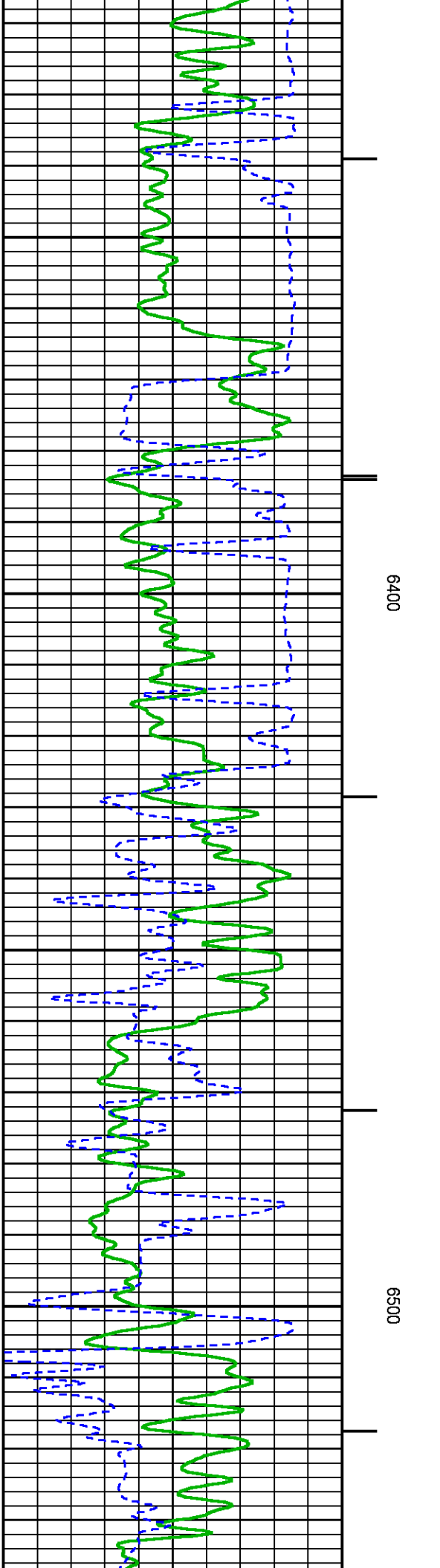
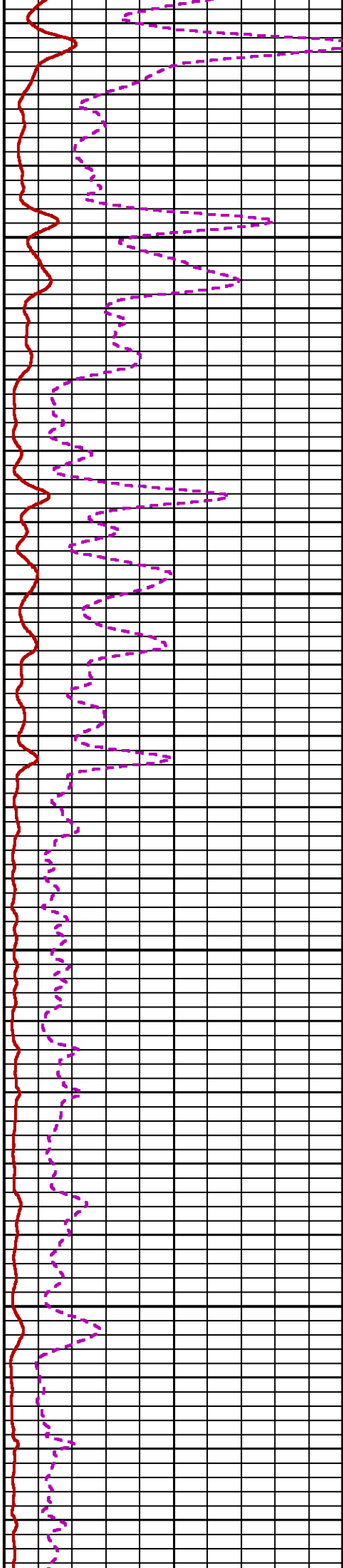
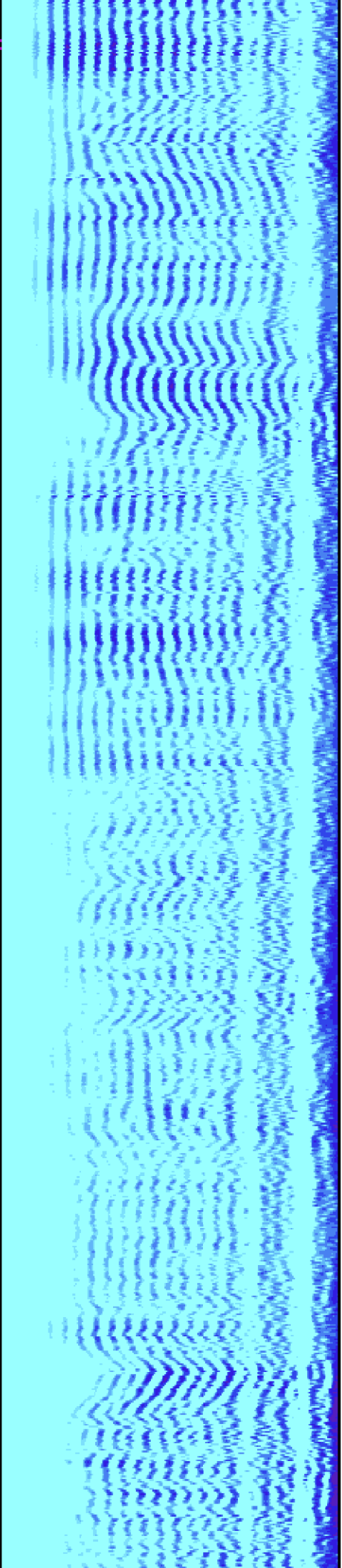


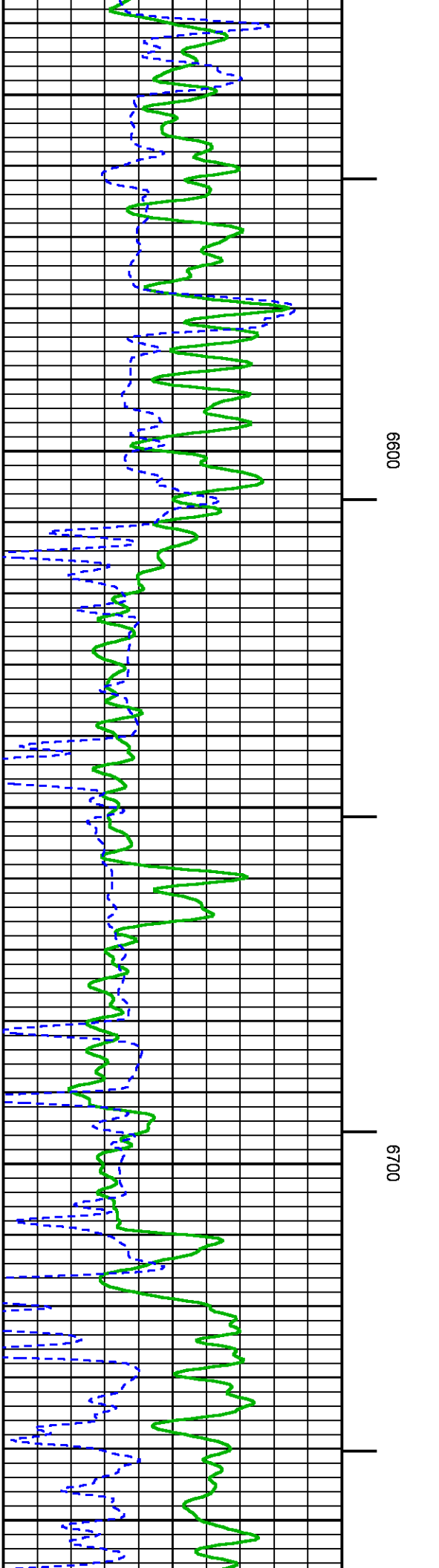
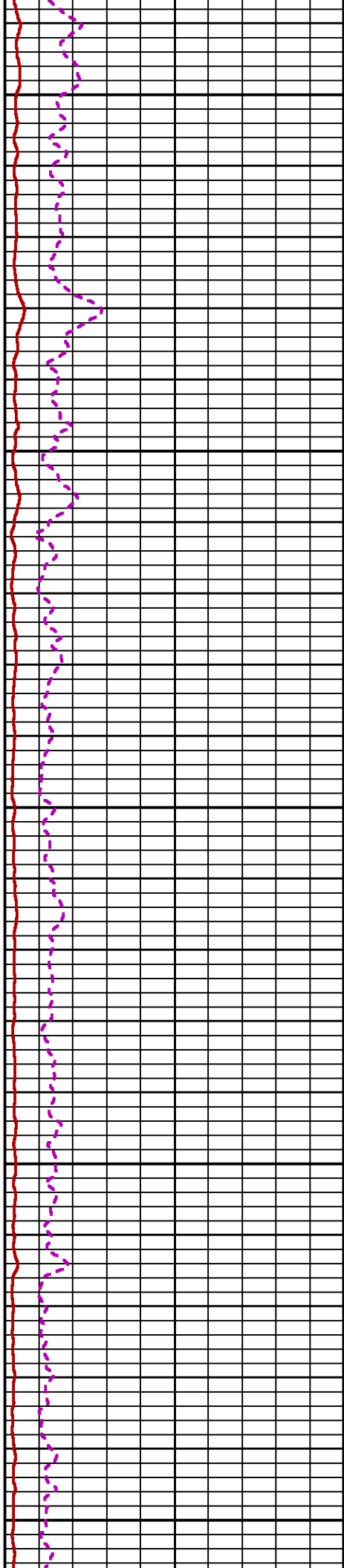
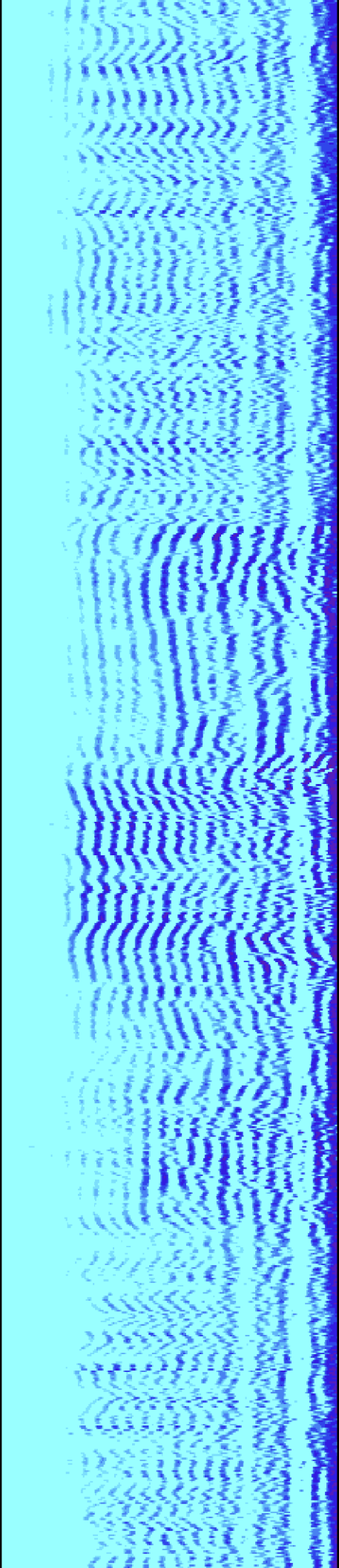




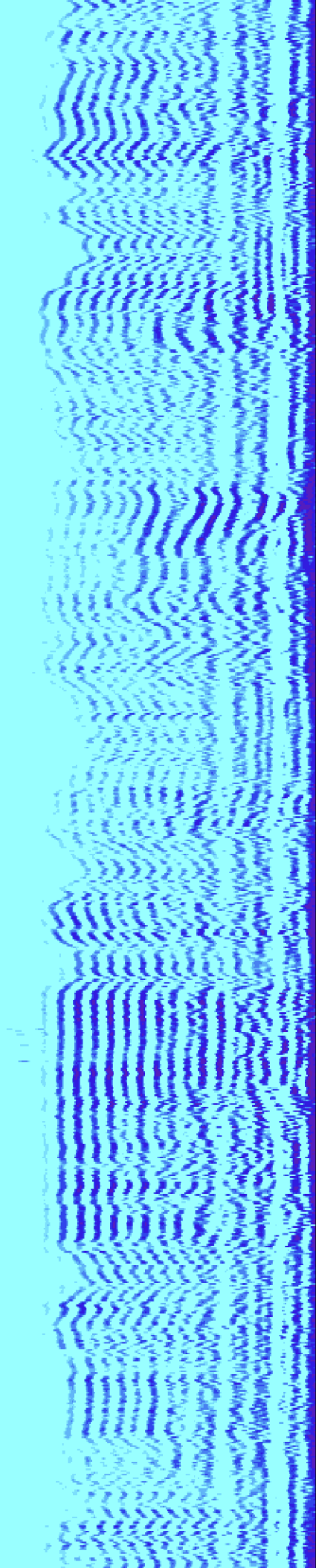
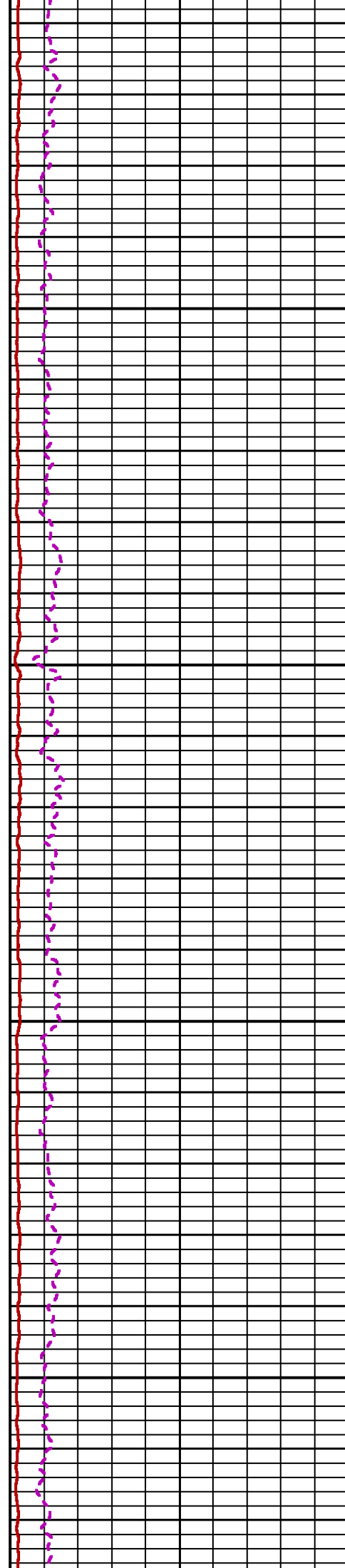
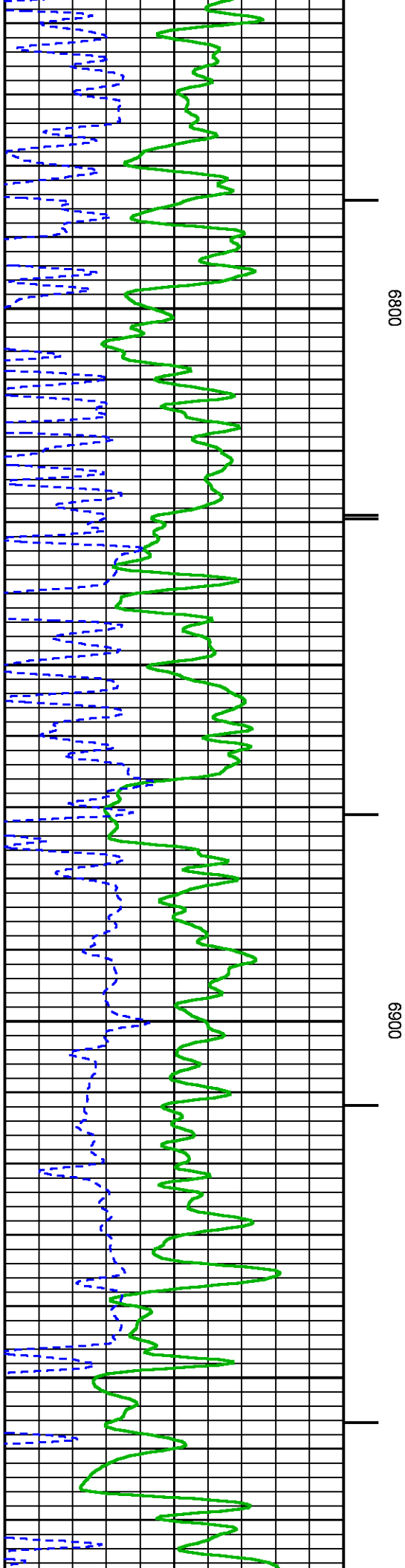


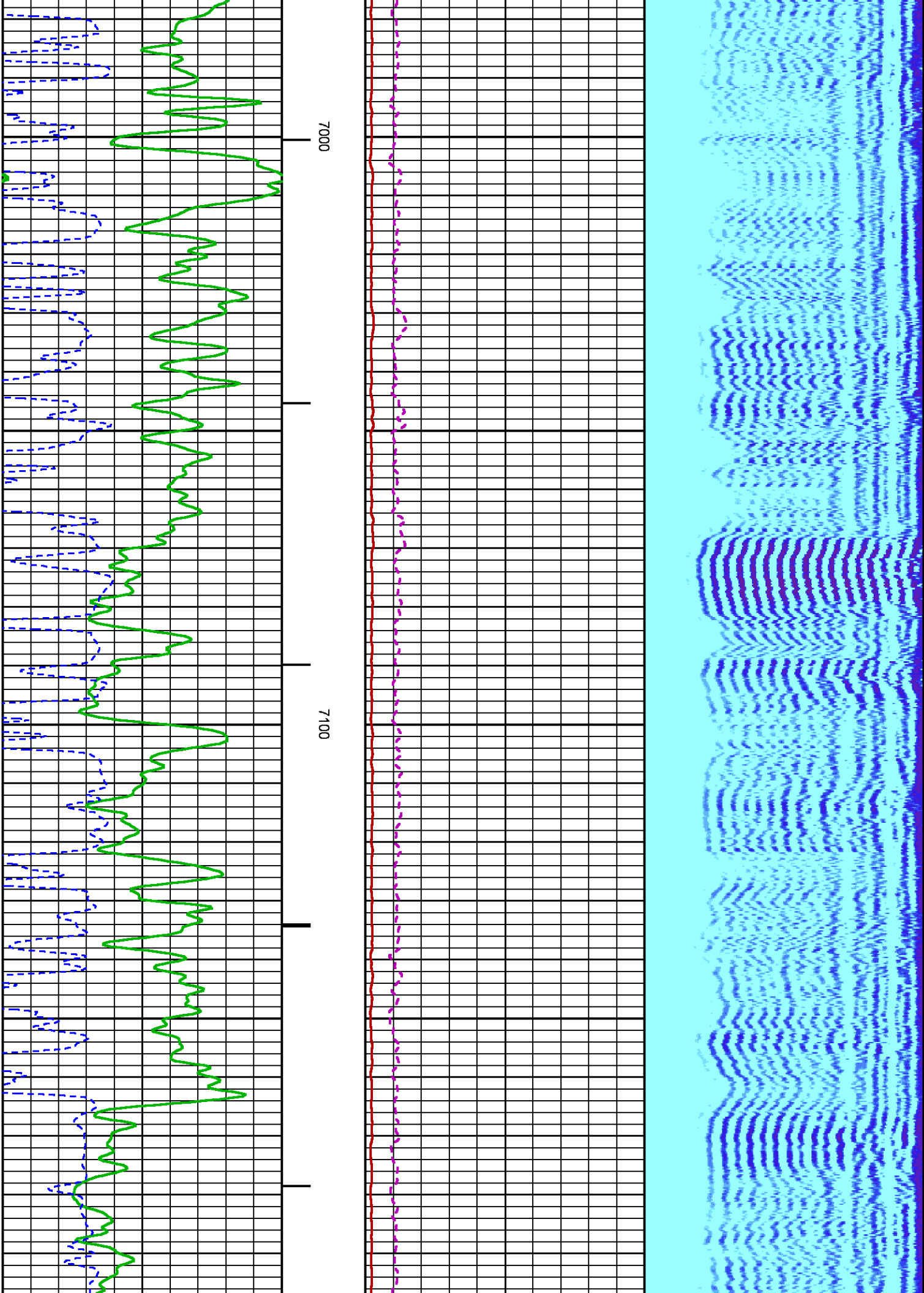


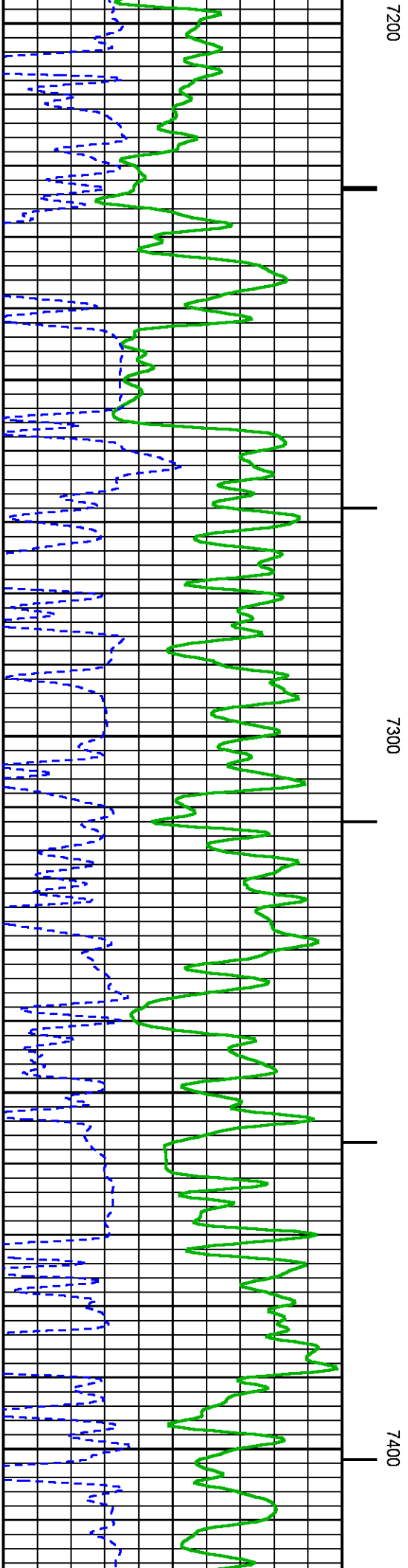
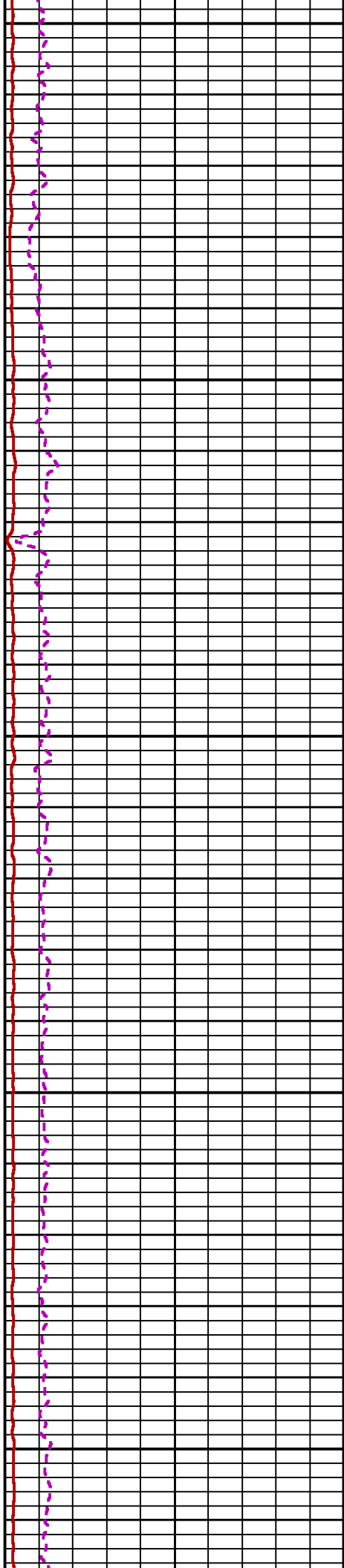
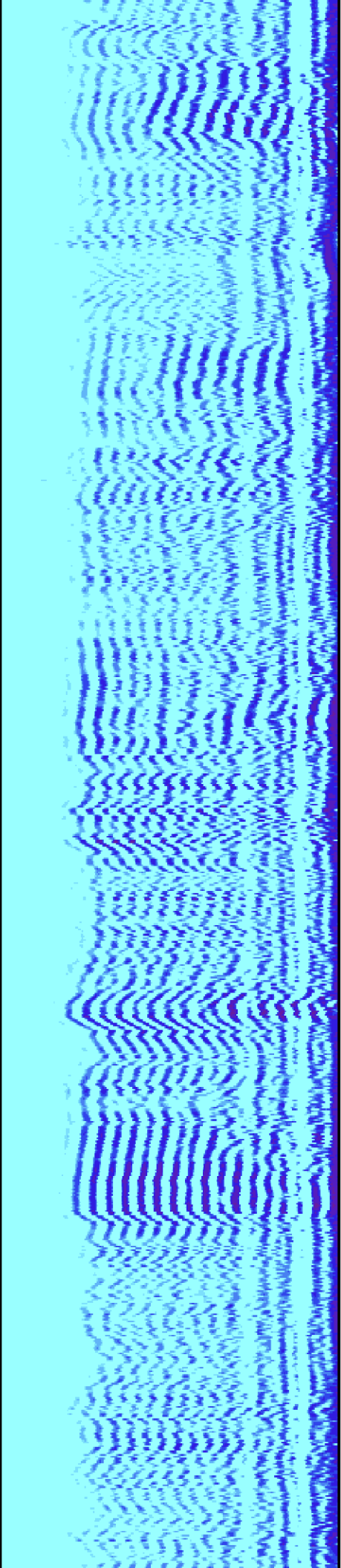


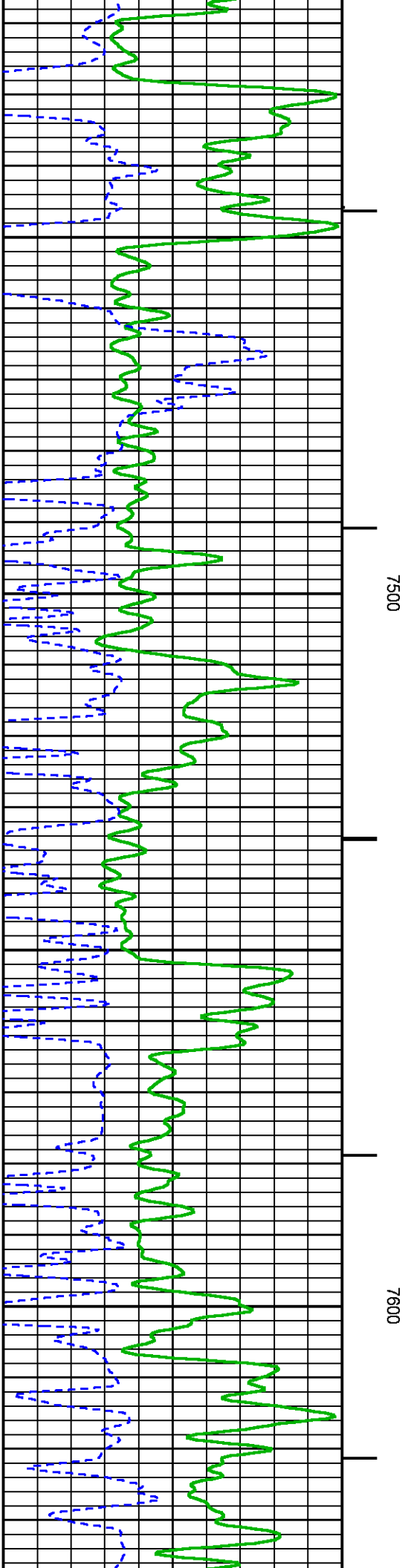
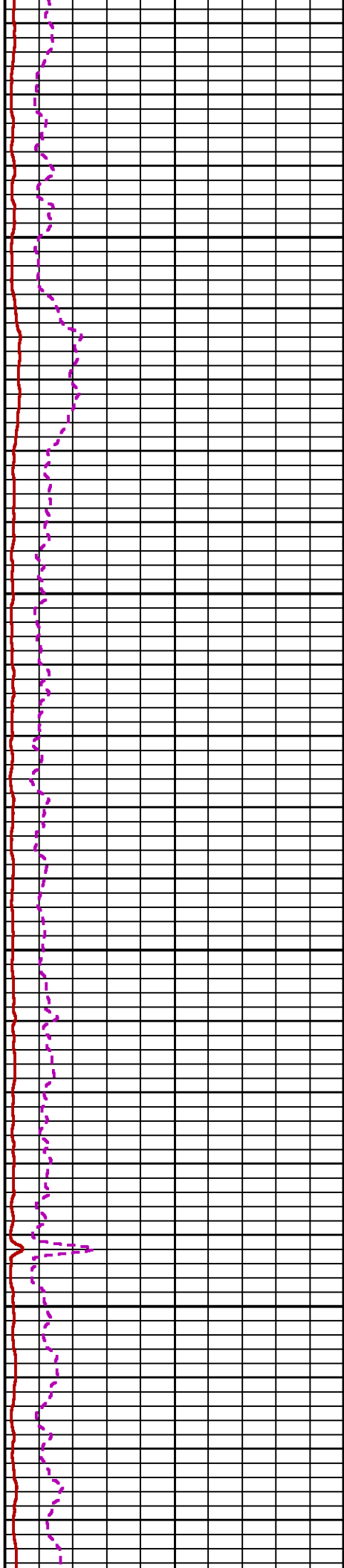
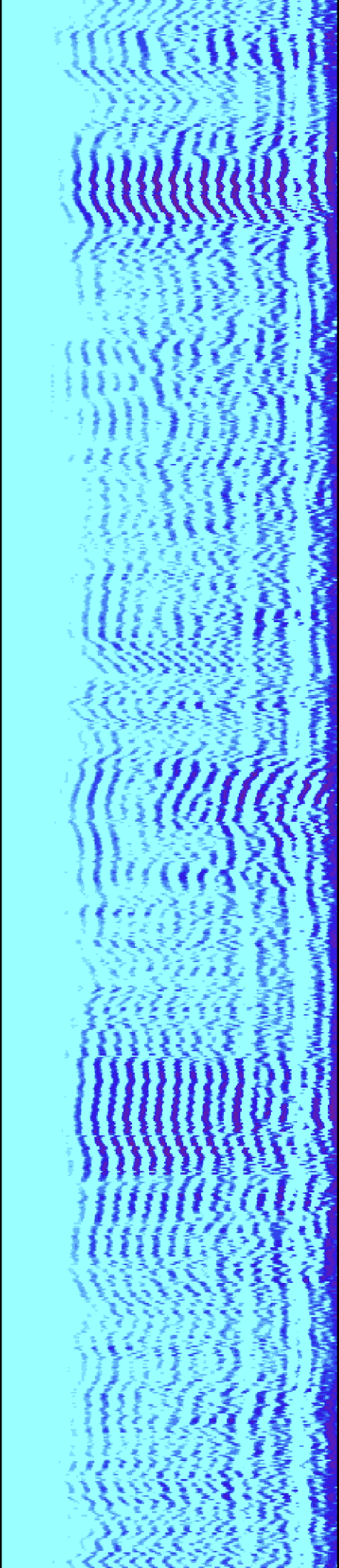




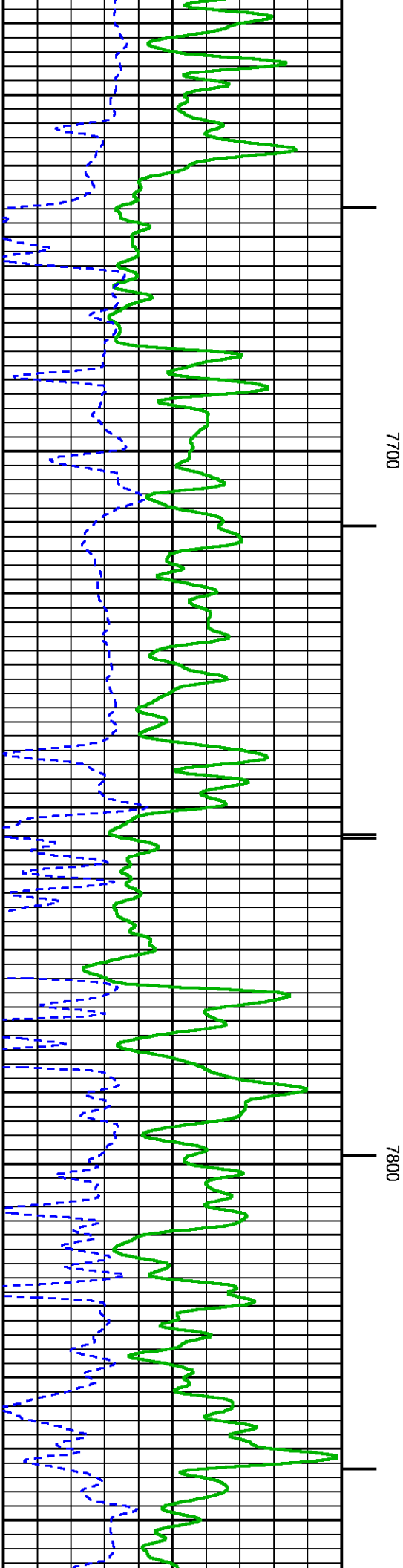
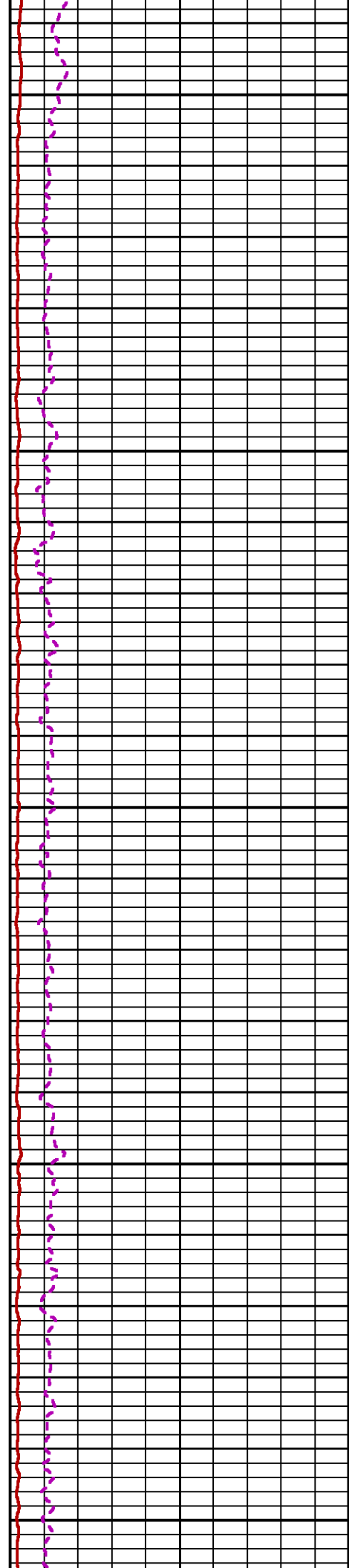
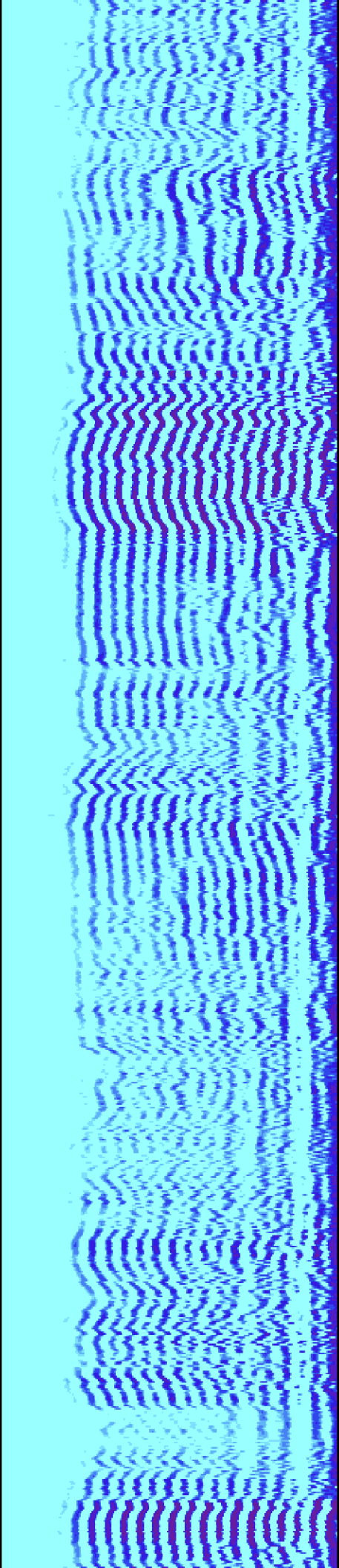


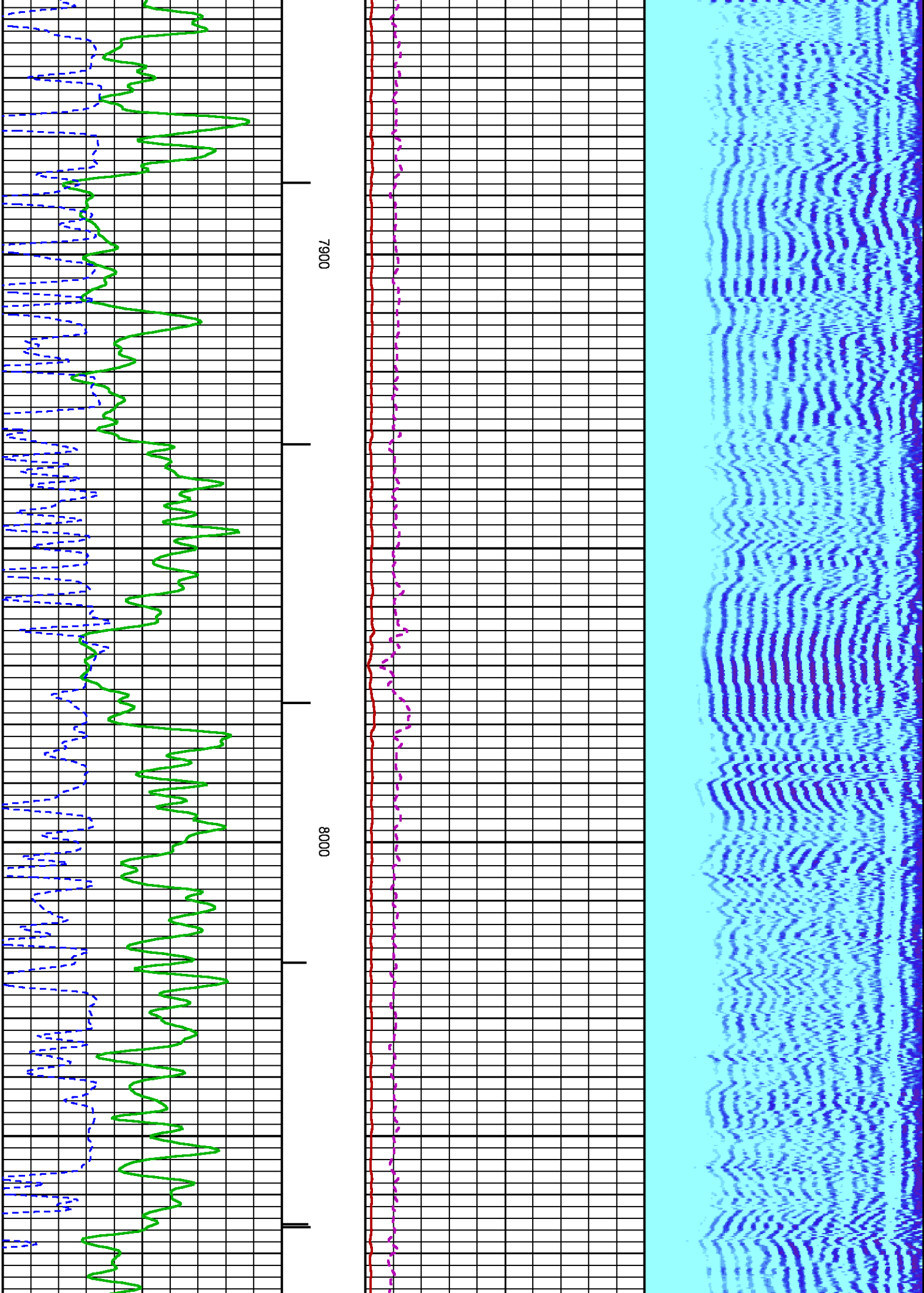


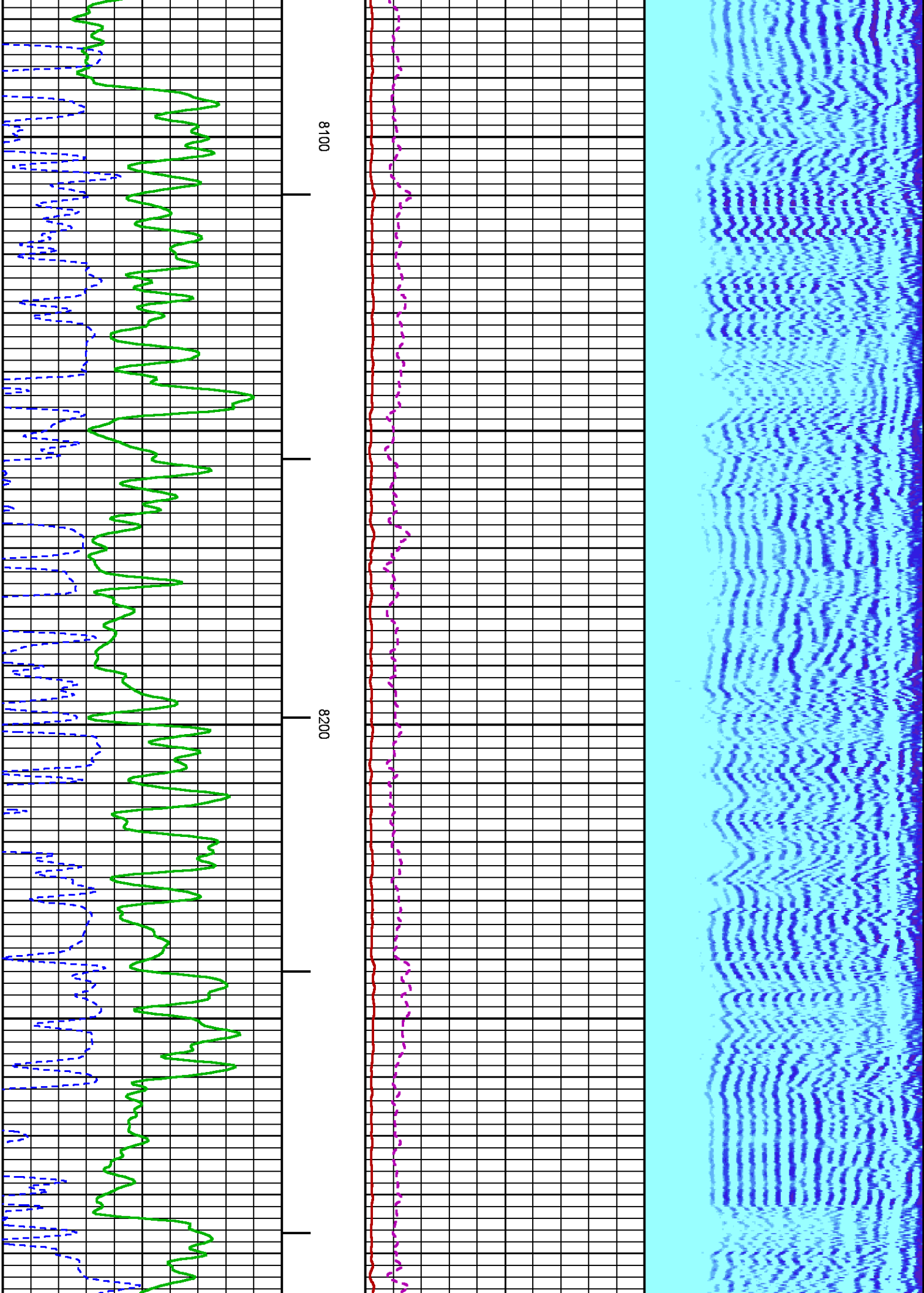


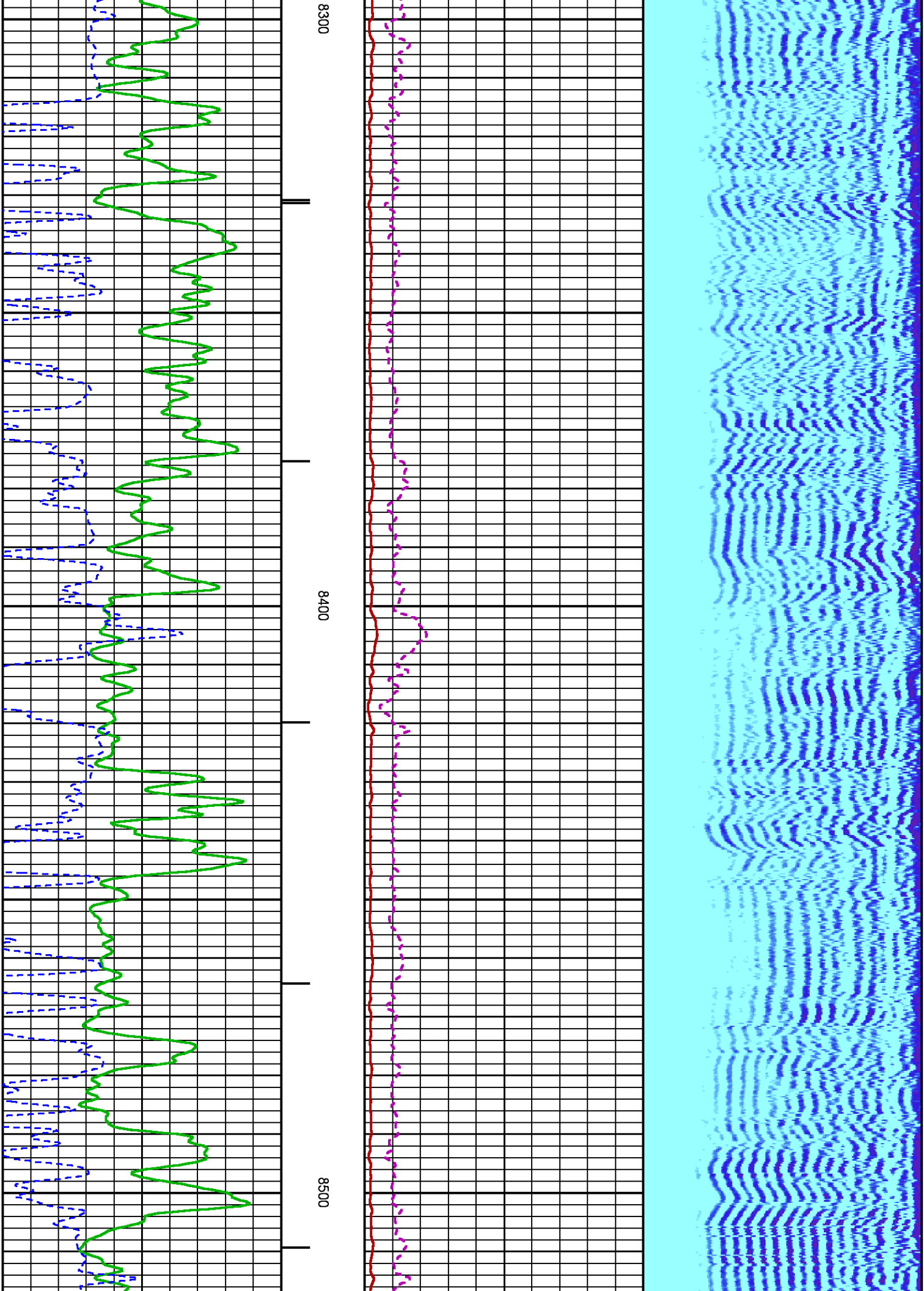




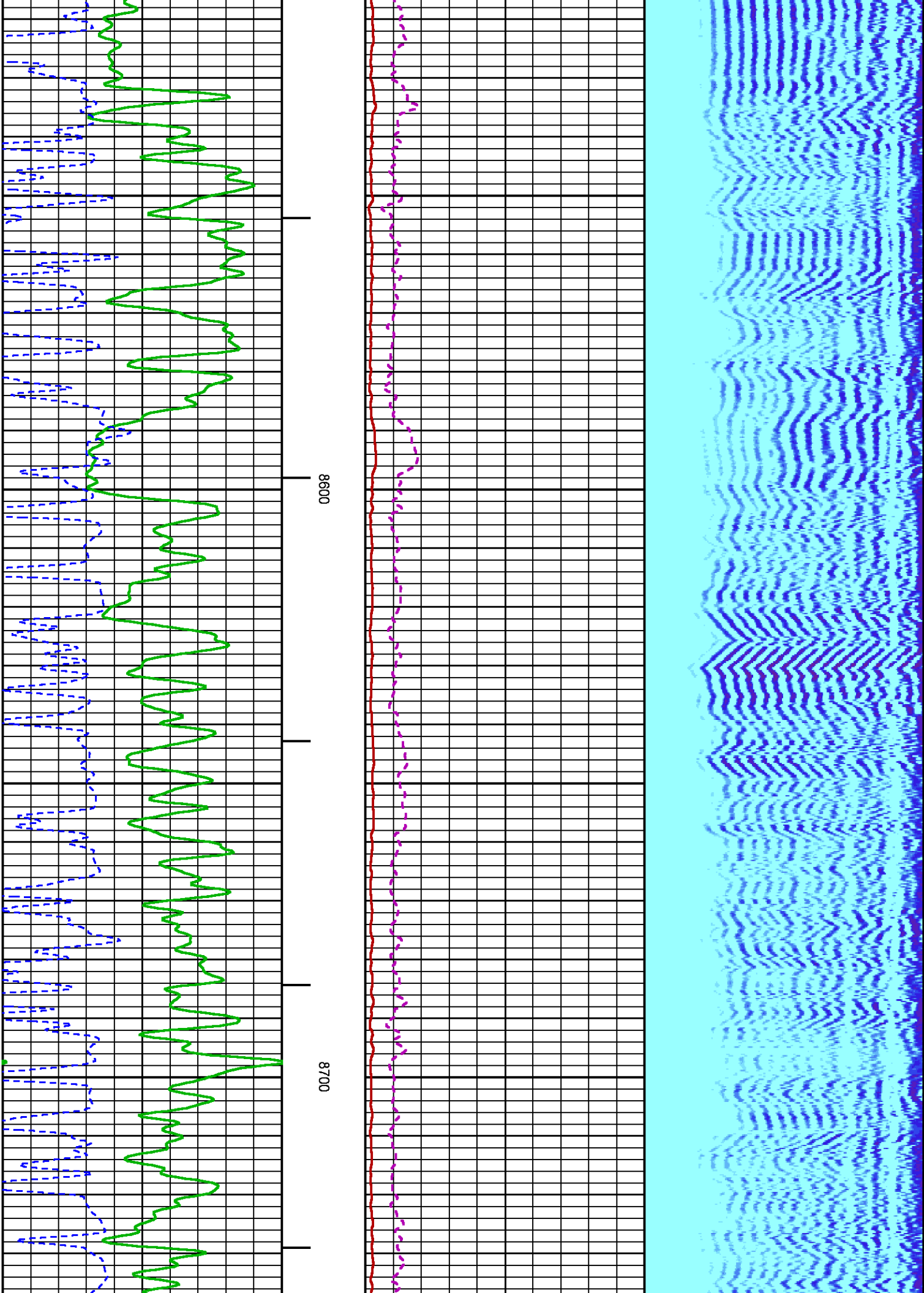


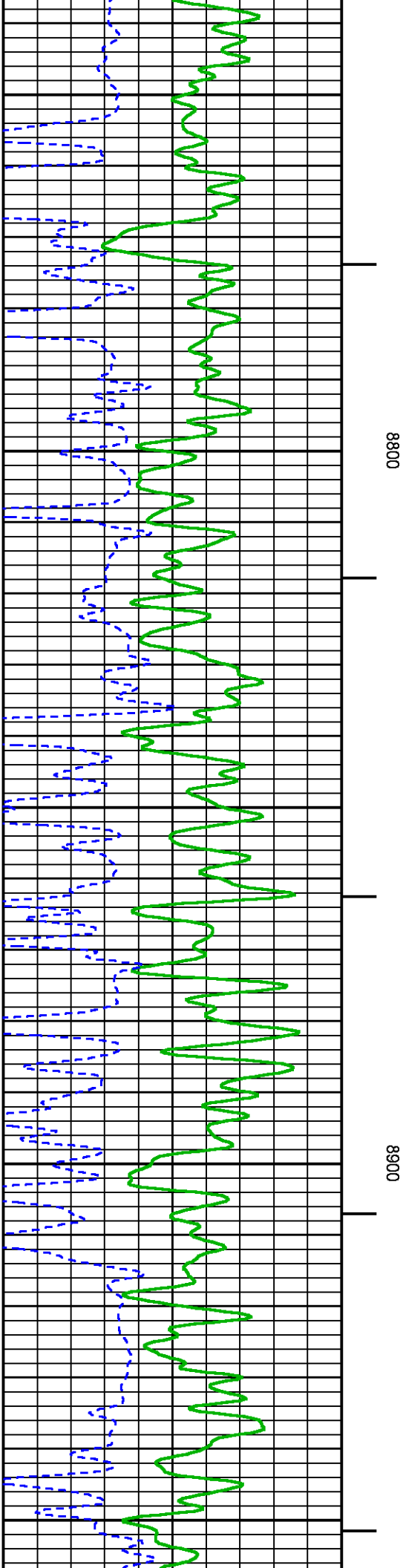






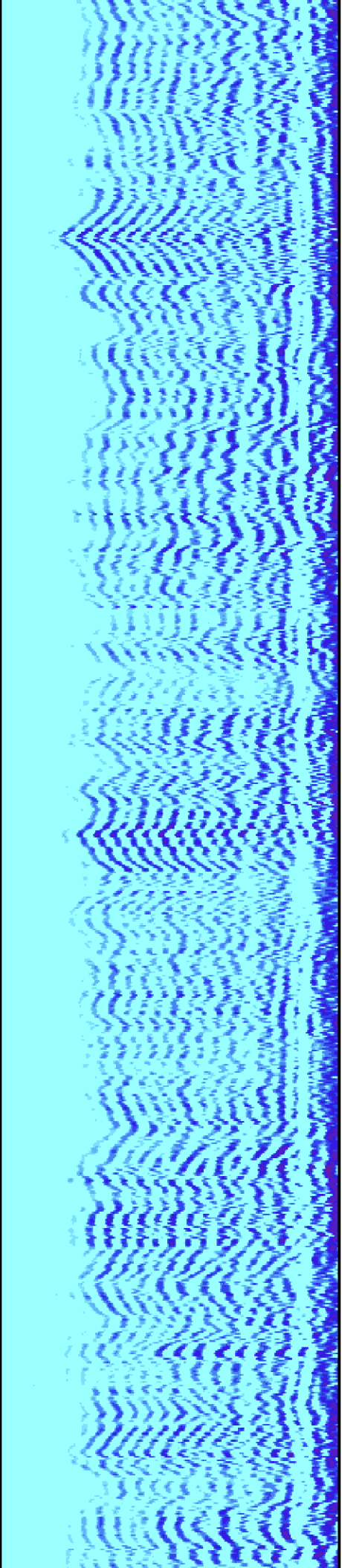
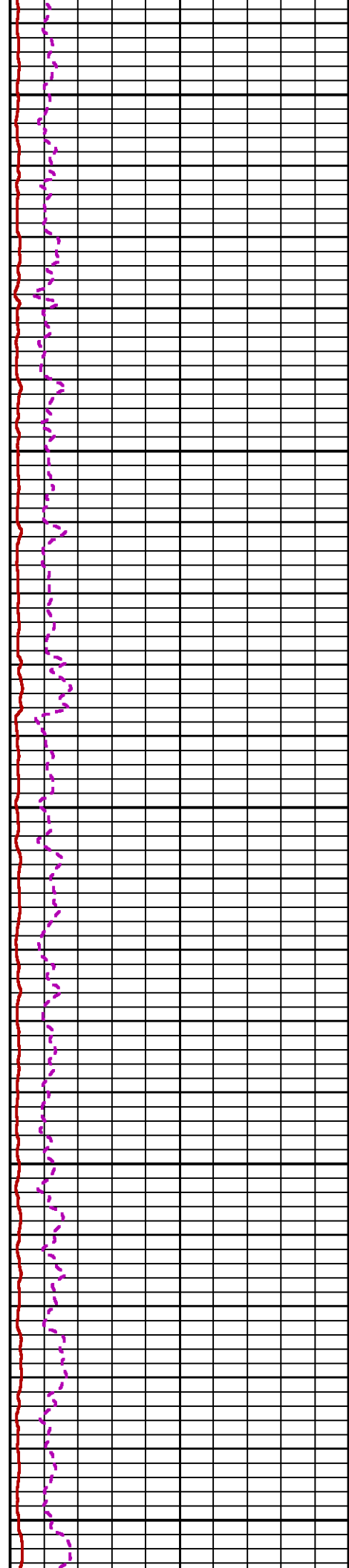


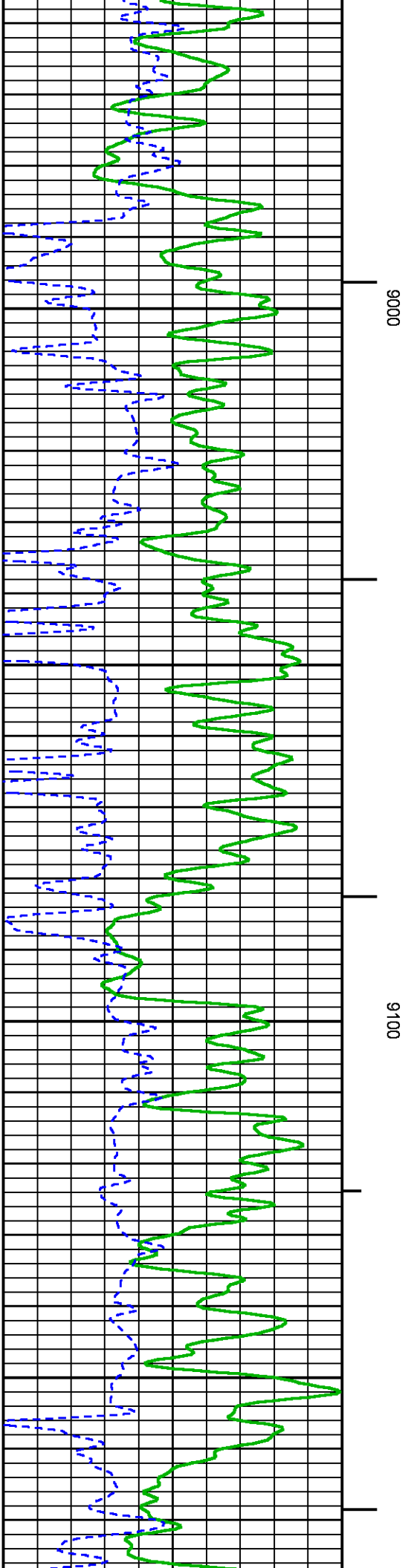
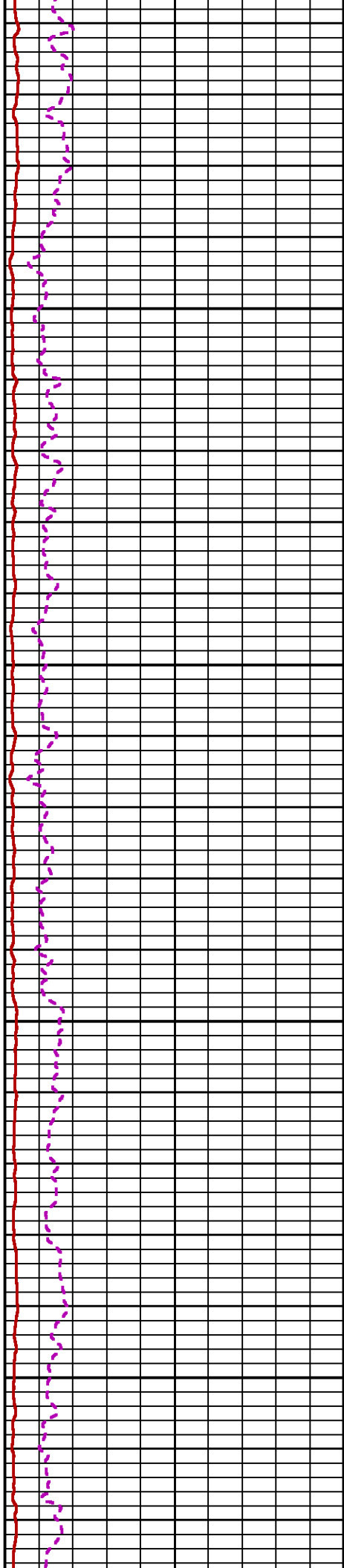
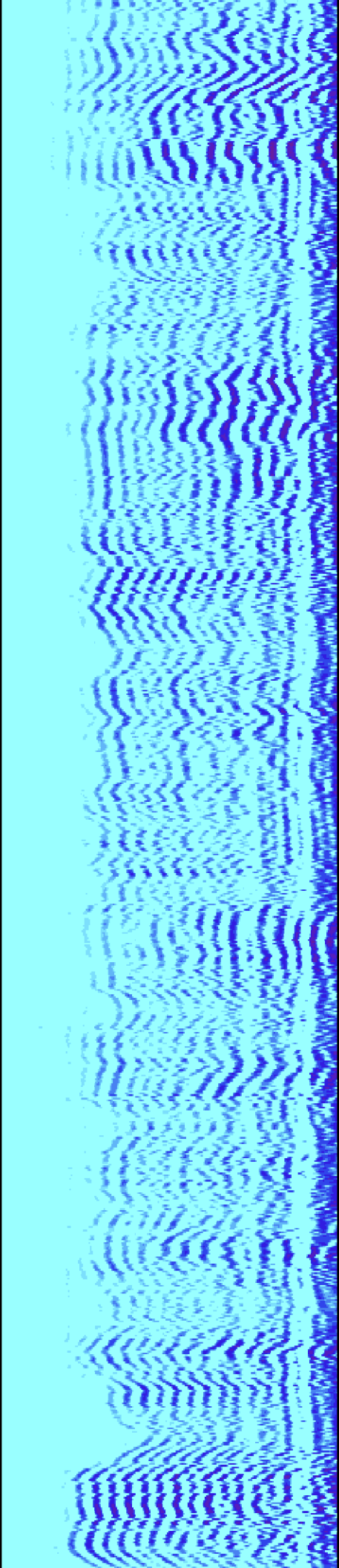


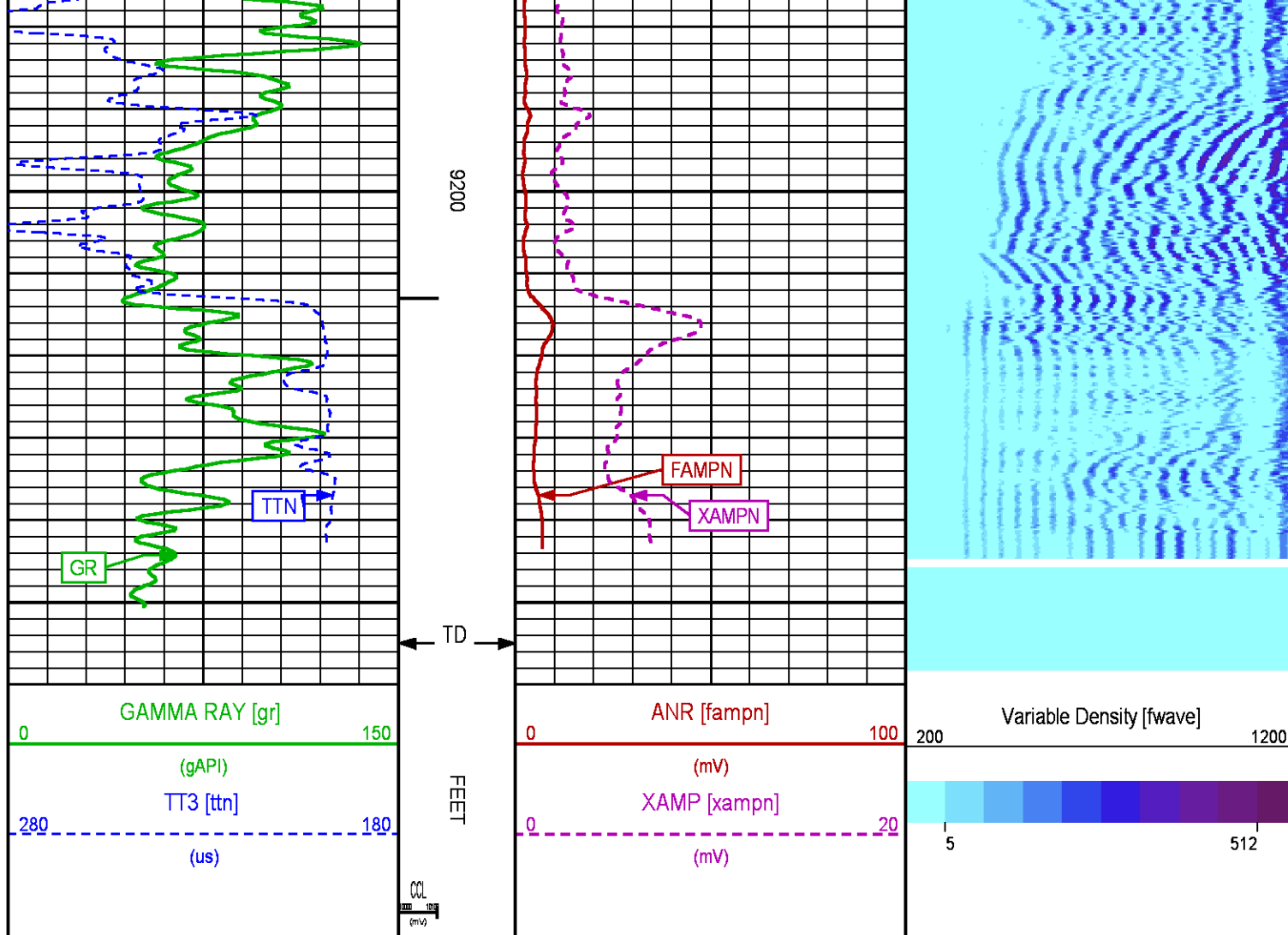


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## SECONDARY PRESENTATION 0 PSI

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

Plotted: Thu Jul 17 17:33:29 2014

### CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE T-R1
F1:AR2	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE T-R2
F1:AR3	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE T-R3
F1:AR4	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE T-R4
F1:AR5	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE T-R5
F1:AR6	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE T-R6
F1:AR7	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE T-R7
F1:AR8	Jul 17 12:36:11 2014	FIXED GATE AMPLITUDE T-R8
F1:CCL	Jul 16 19:26:45 2014	CASING COLLAR LOCATOR
F1:FAMPN	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 16 19:26:45 2014	FAR WAVE FORM
F1:GR	Jul 16 19:26:45 2014	GAMMA RAY
F1:PBMAP	Jul 16 19:26:45 2014	PERCENT BOND CEMENT MAP
F1:TTN	Jul 16 19:26:45 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 16 19:26:45 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

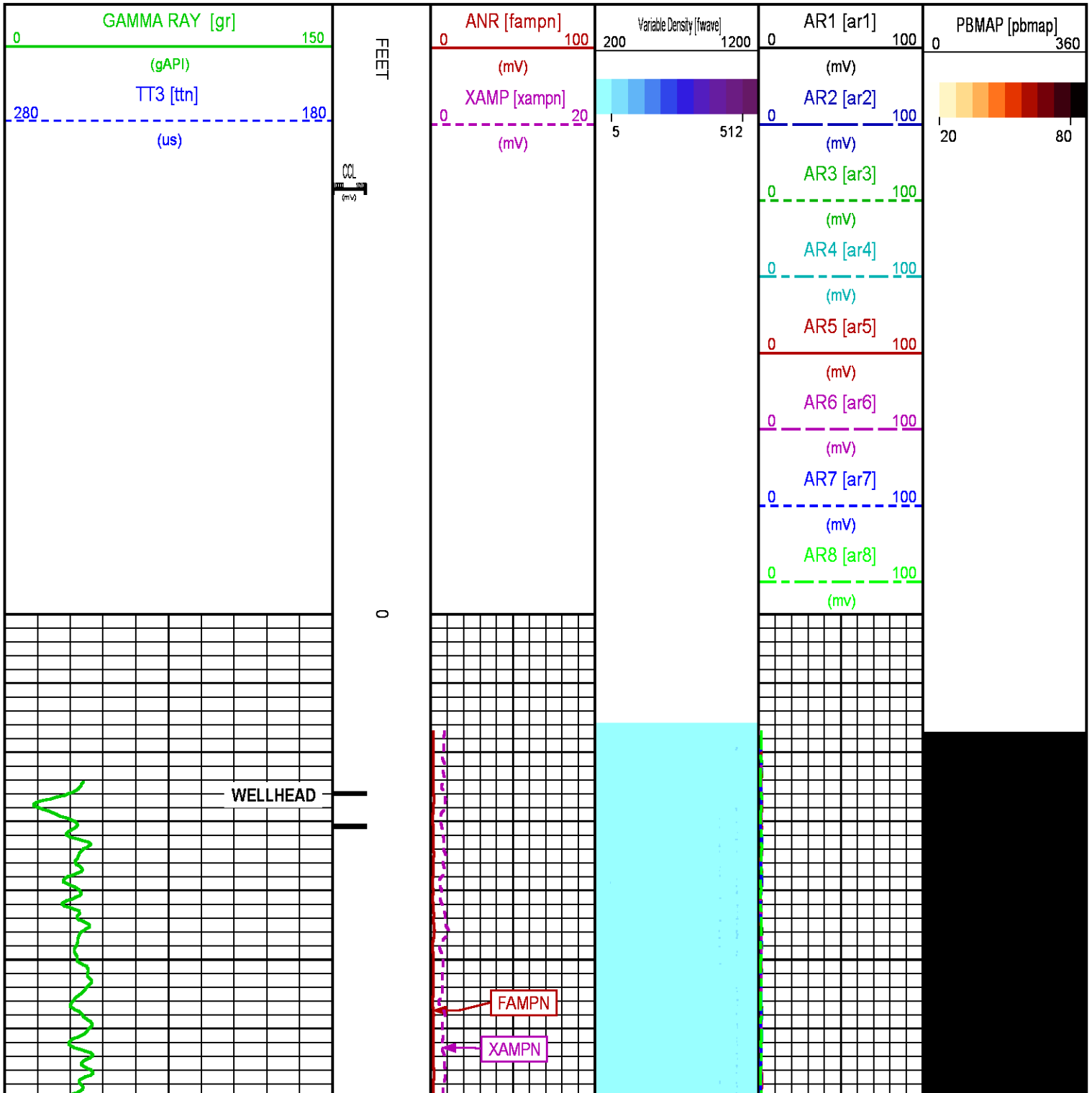


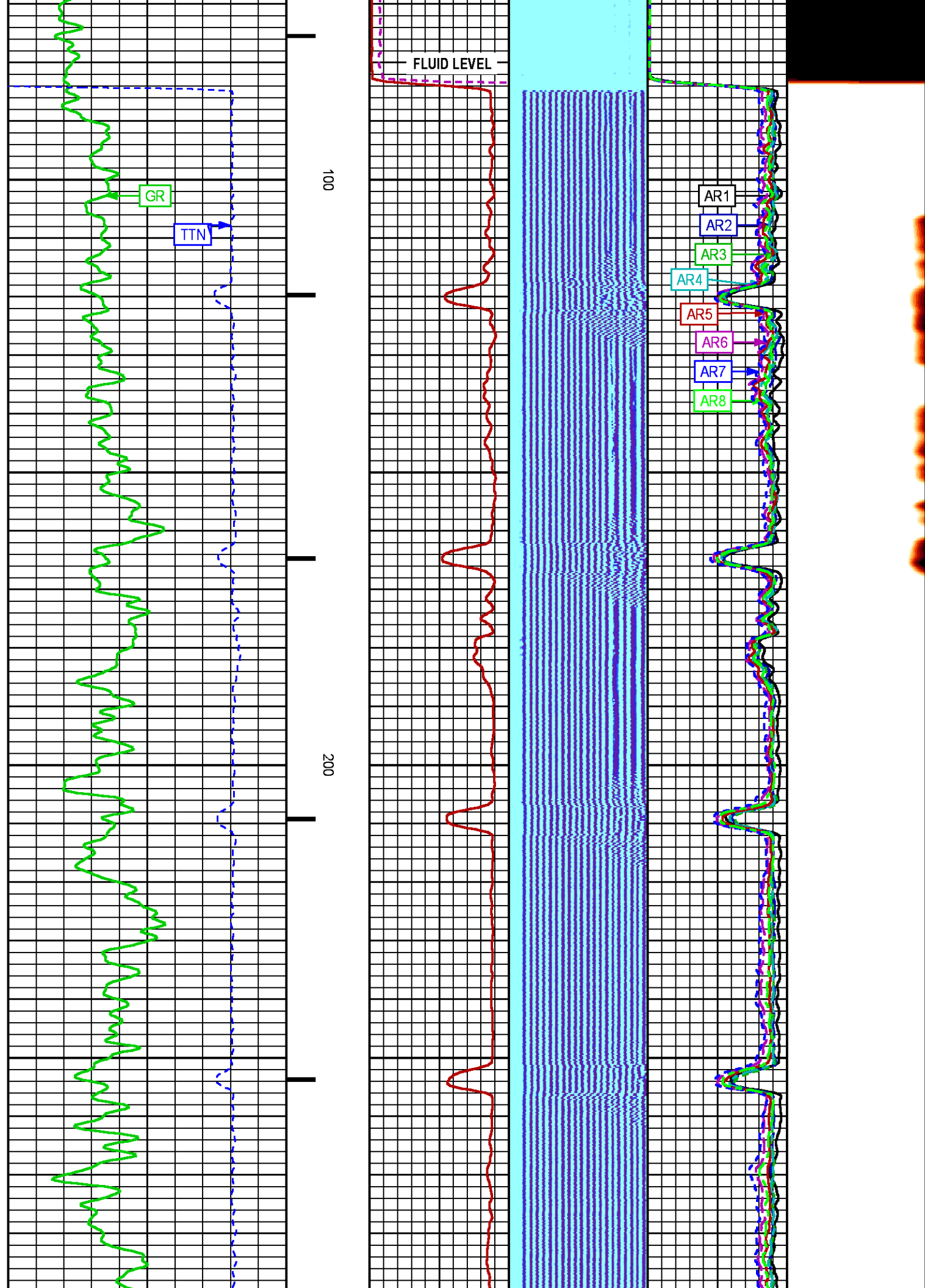
# CURVE MEASURE POINT OFFSET

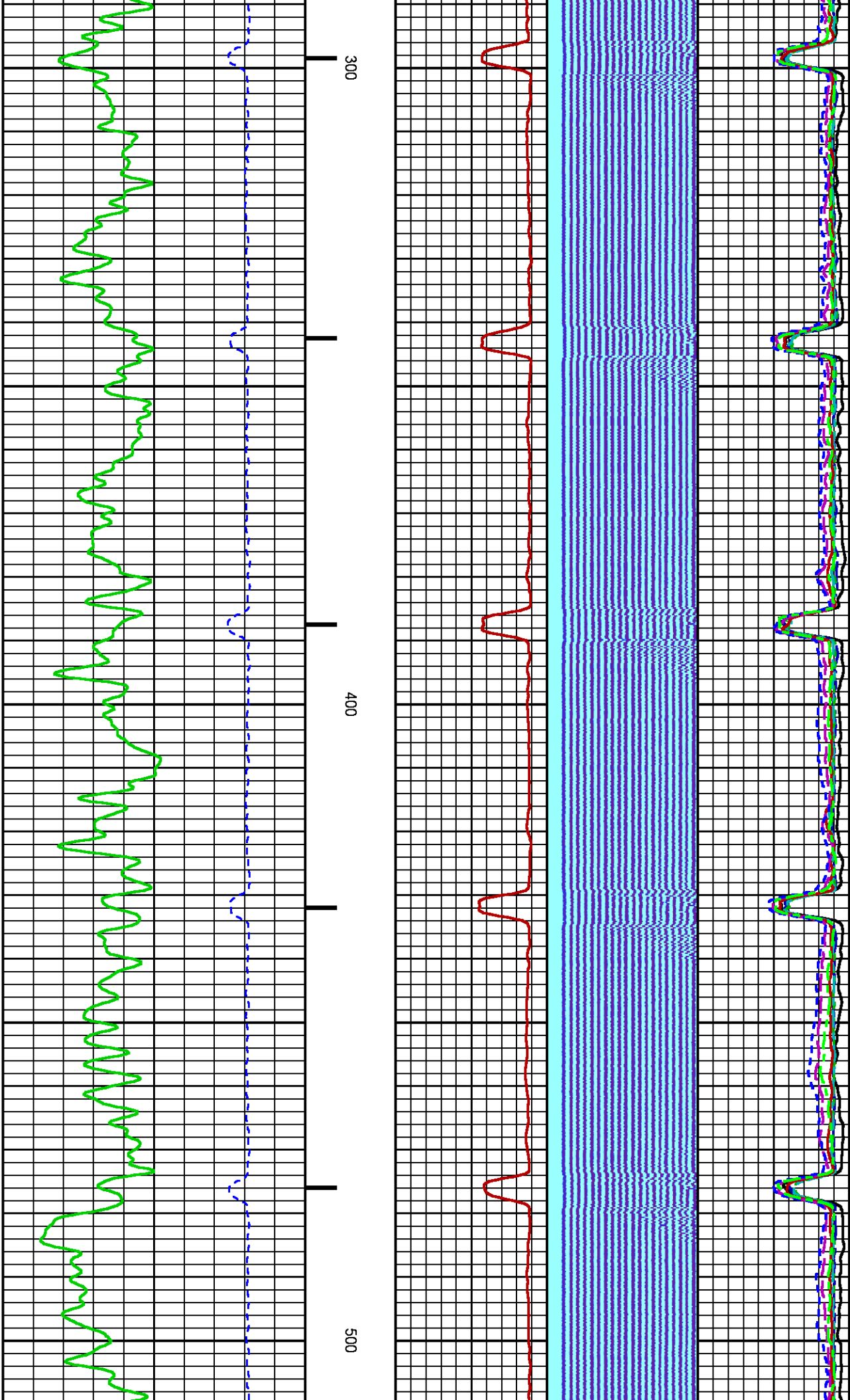
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	13.75	AR5	13.75	CCL	8.50	XAMPN	13.75
AR2	13.75	AR6	13.75	FAMPN	13.75		
AR3	13.75	AR7	13.75	GR	6.50		
AR4	13.75	AR8	0.00	TTN	13.75		

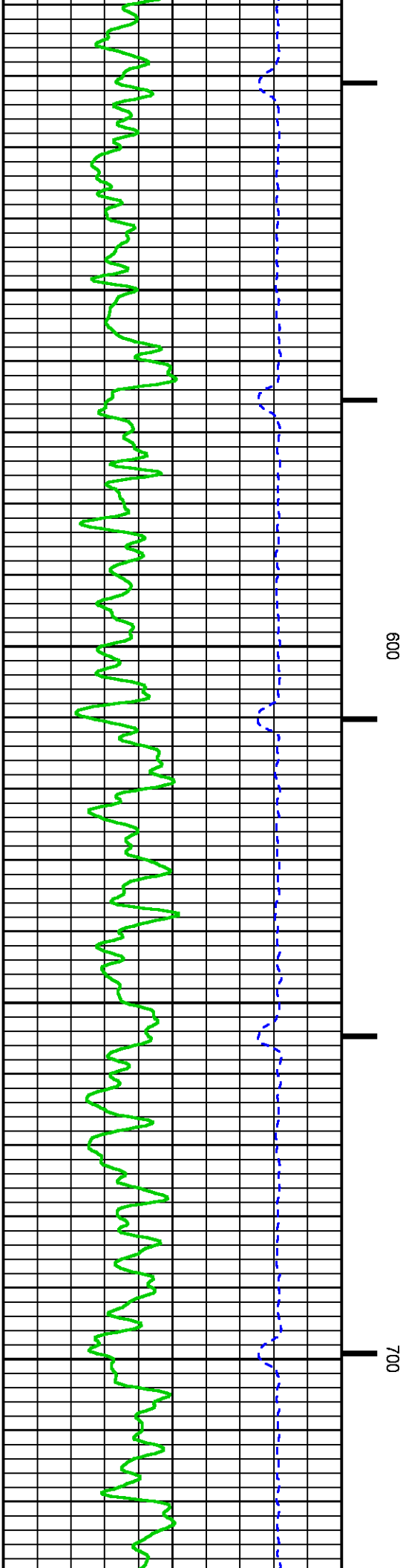
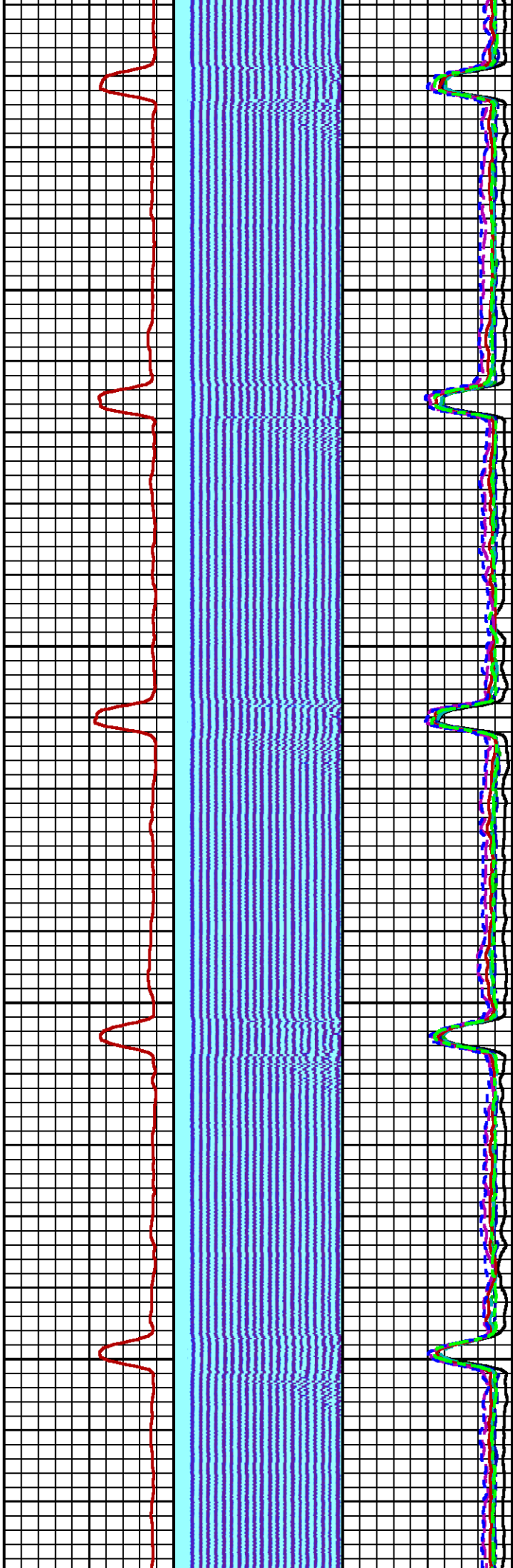
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 Plot Interval : 0 - 9260 Feet

Data File 1 : F1 : HL6670:/dat1a/88405/522CBLSPICE.xtf  
 Created On : Jul 16 19:26:45 2014  
 Company : WPX ENERGY  
 Well : AP 522-20-695  
 Field : PARACHUTE  
 File Interval : 12.75 - 9258.25 Feet  
 OCT : n012e

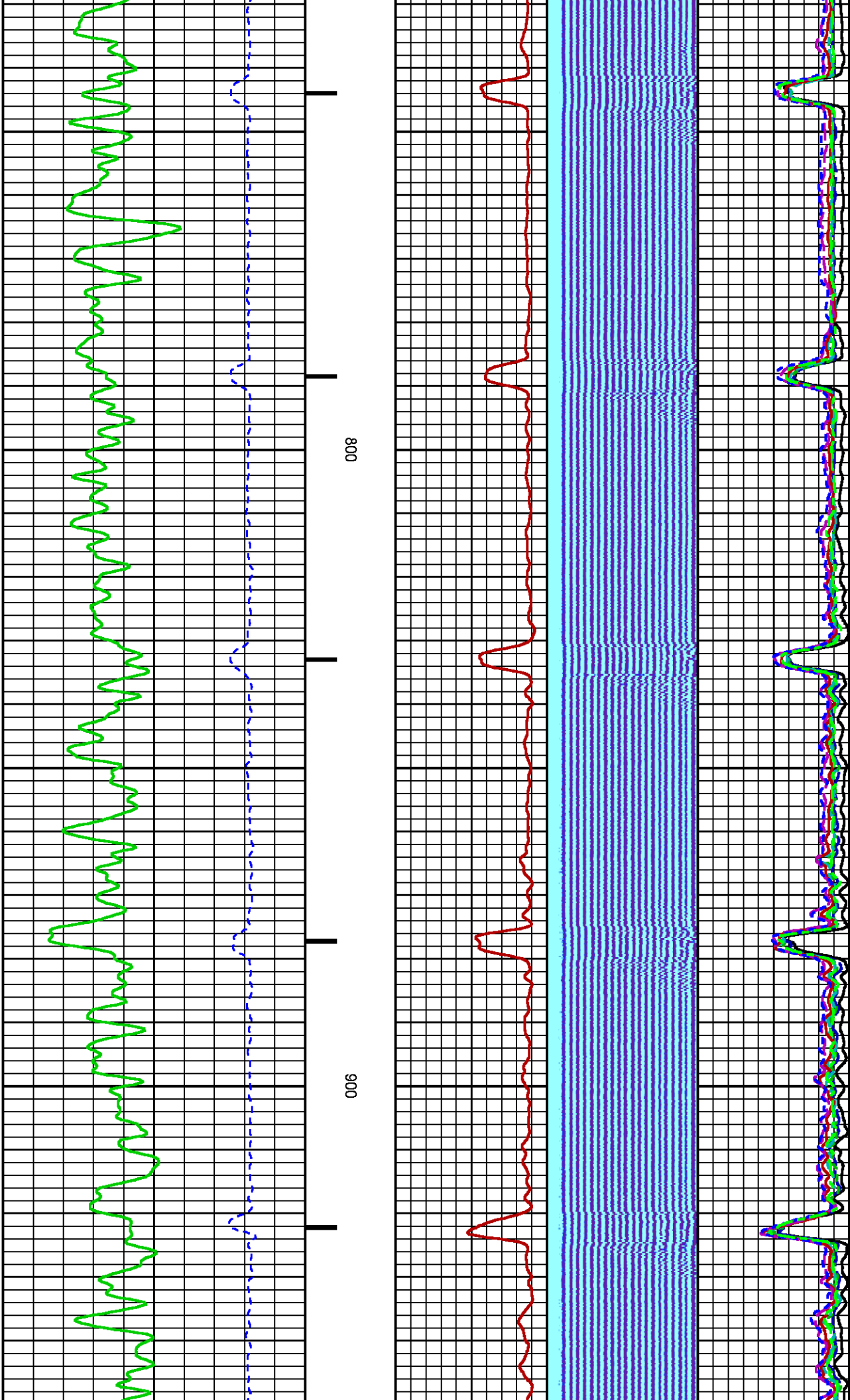


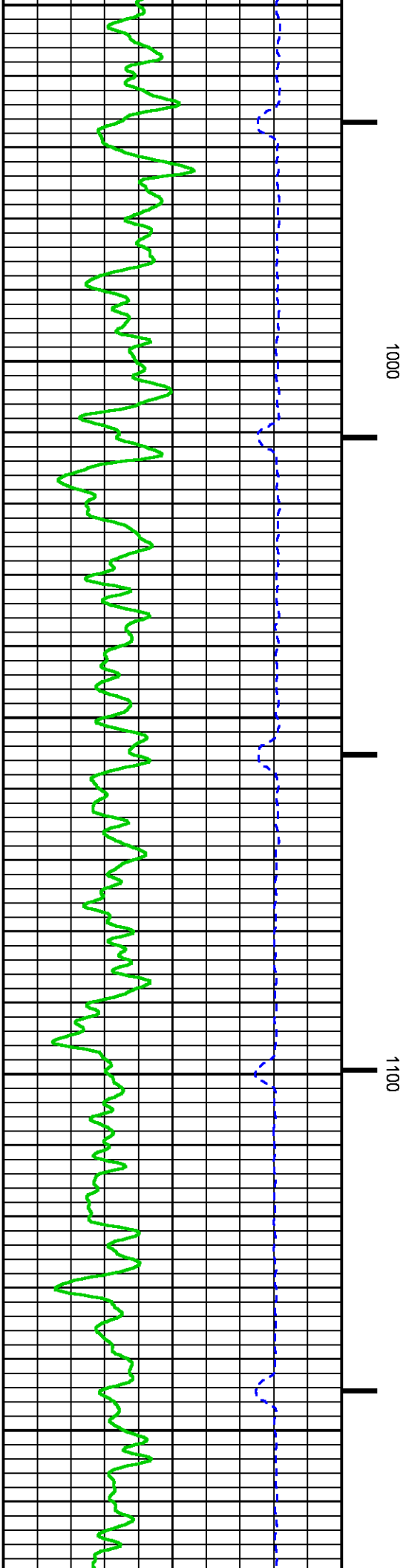
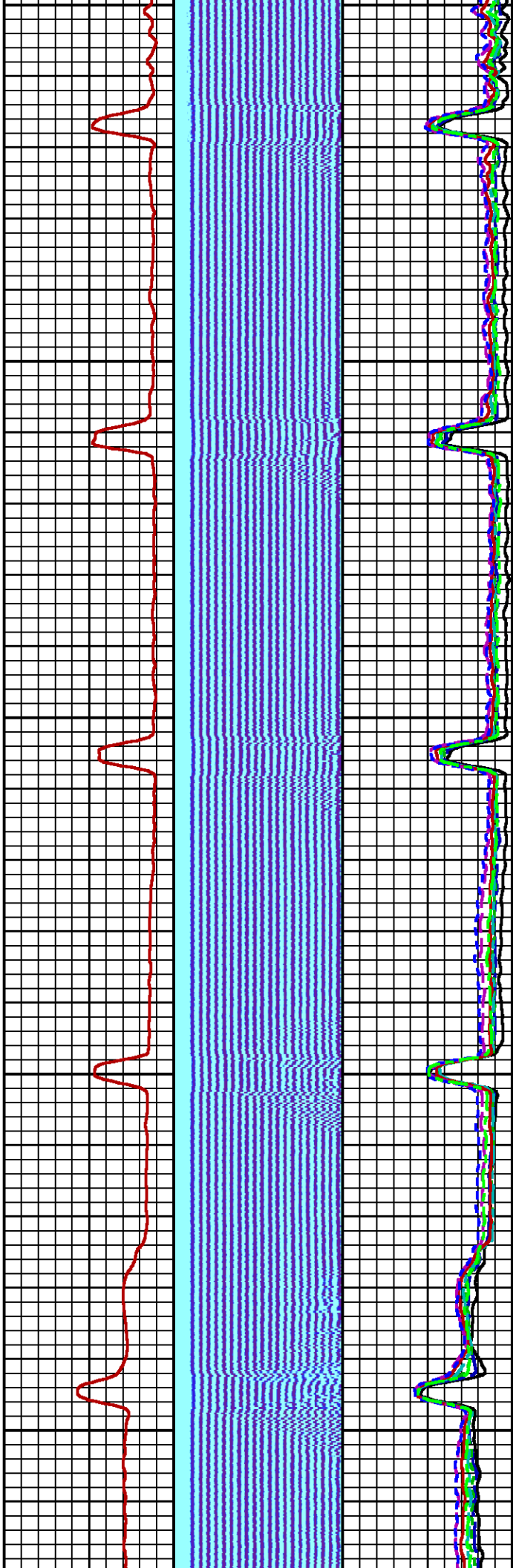


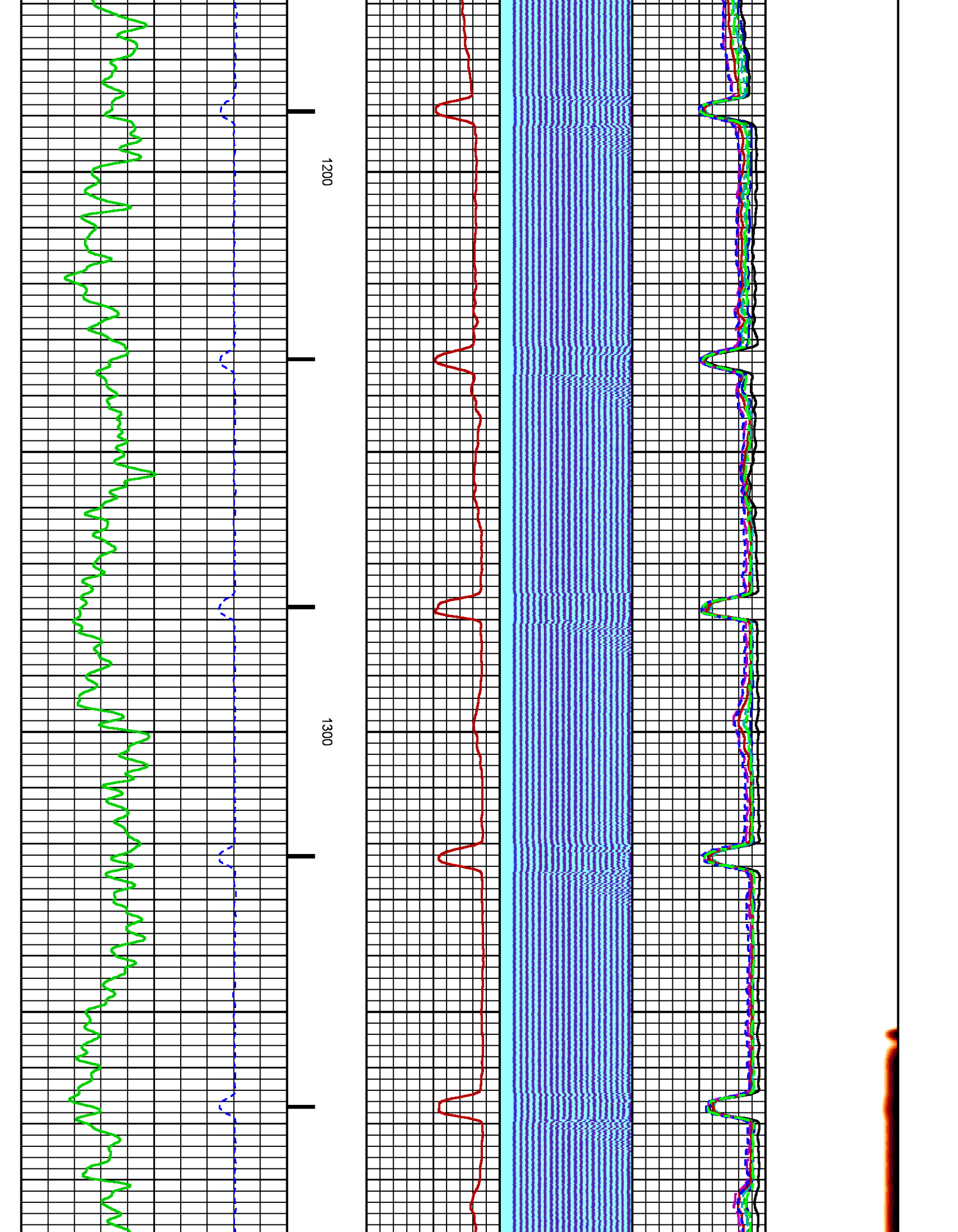


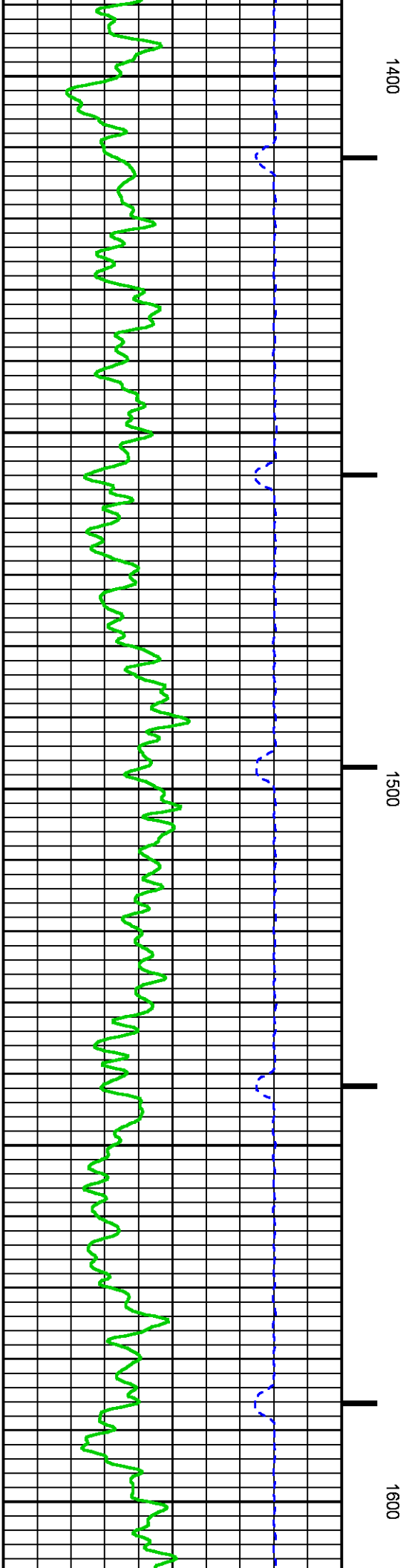
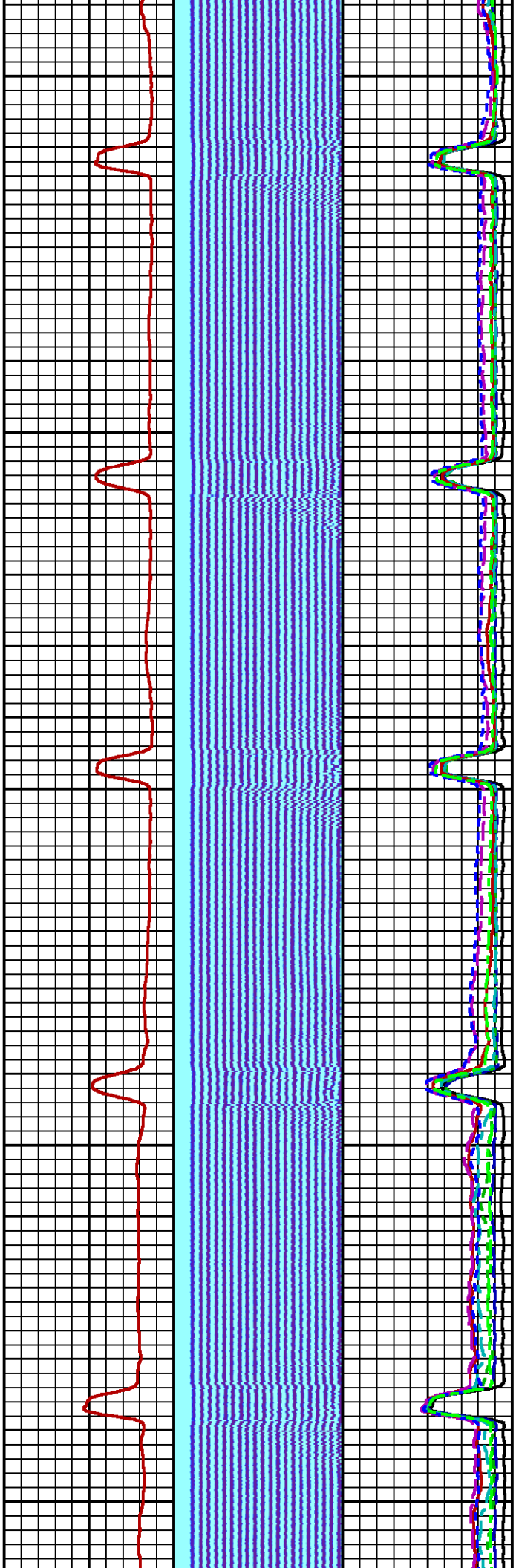




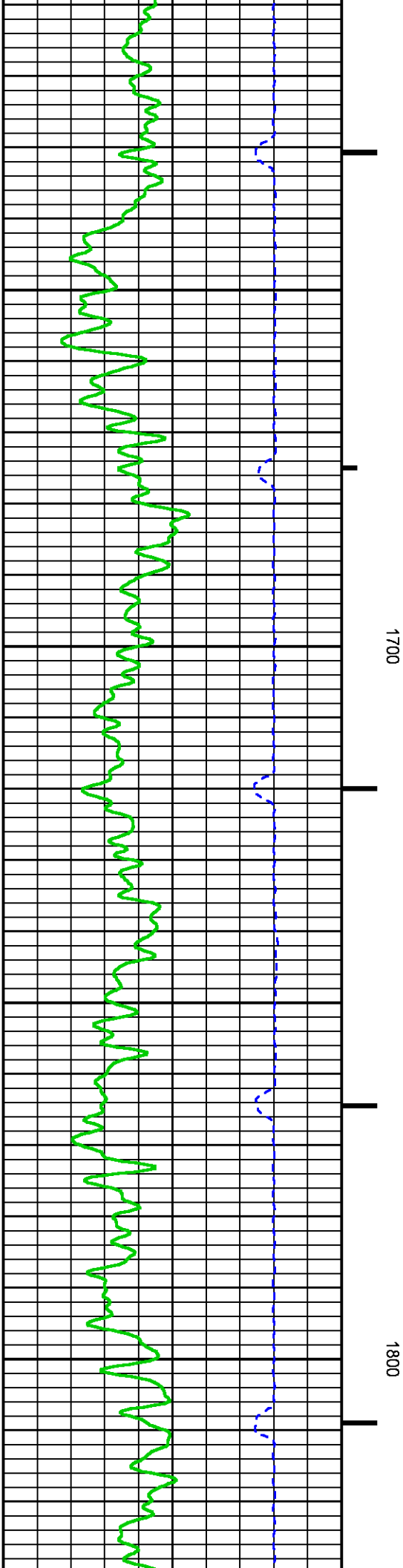
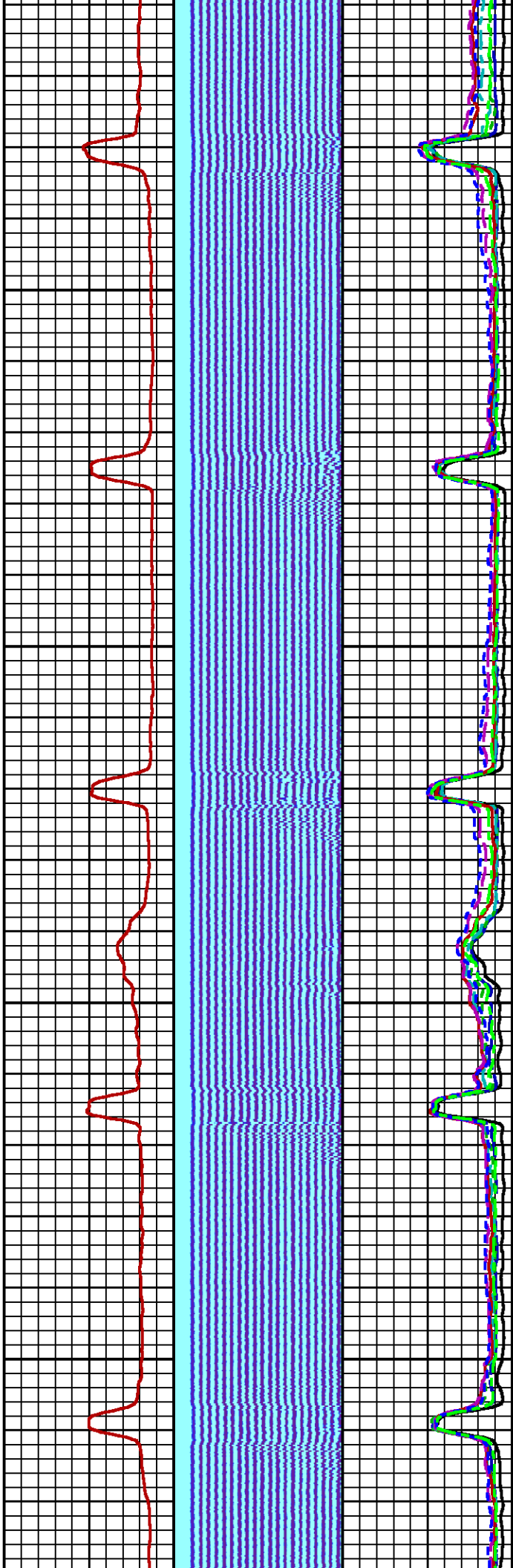


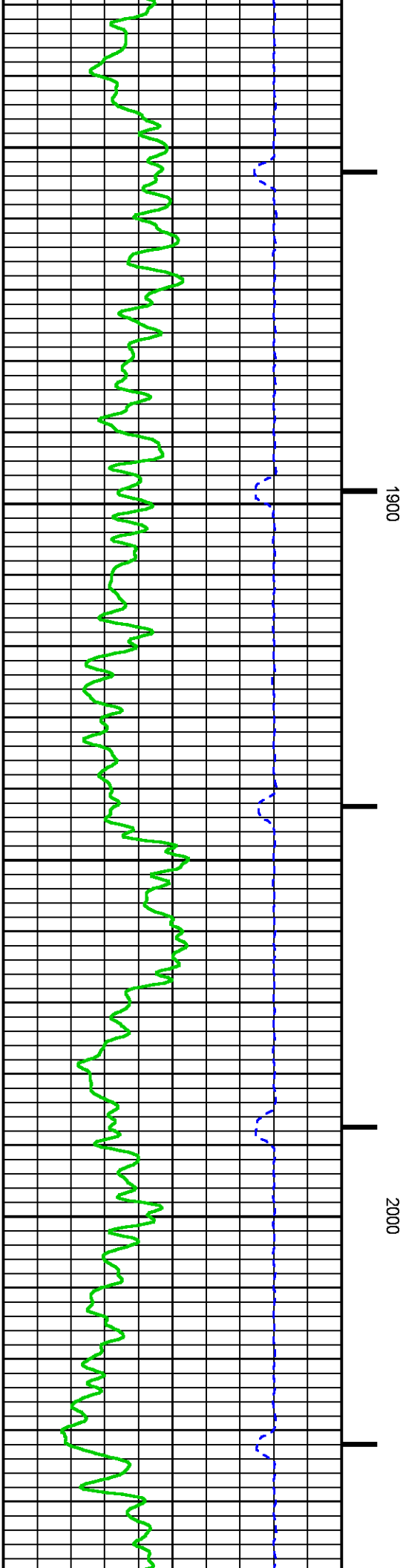
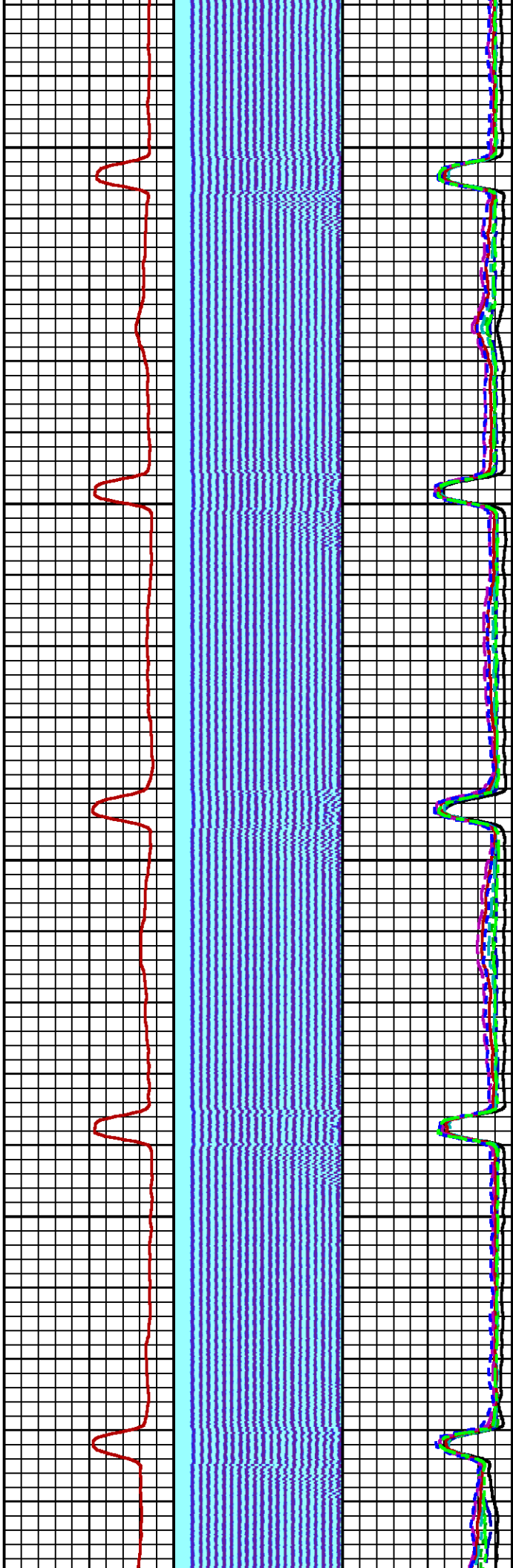


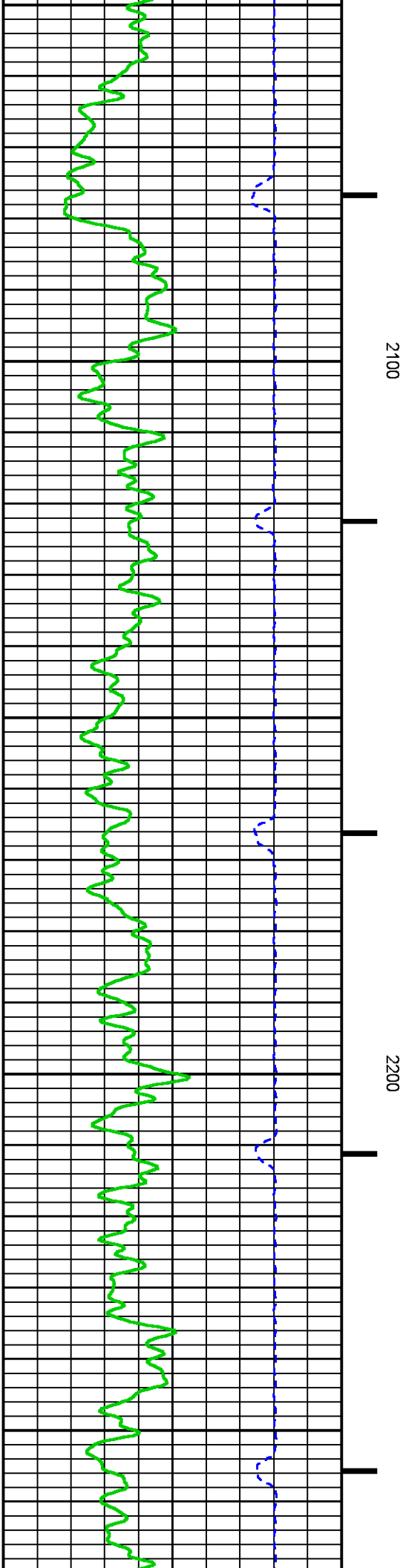
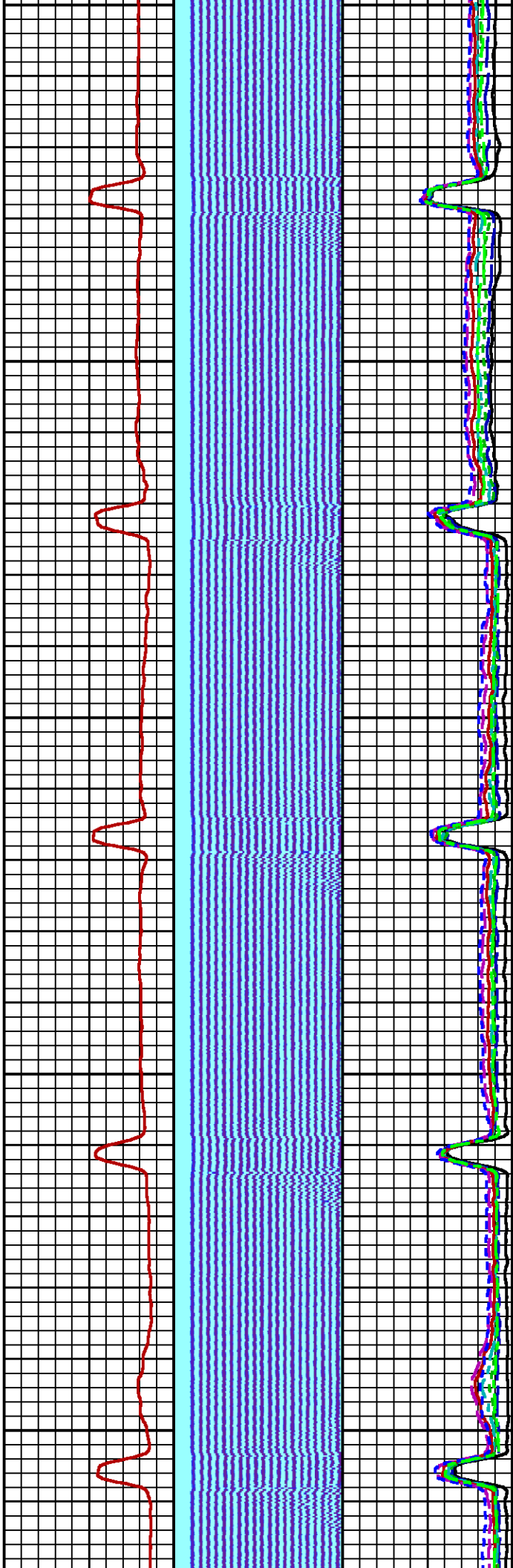


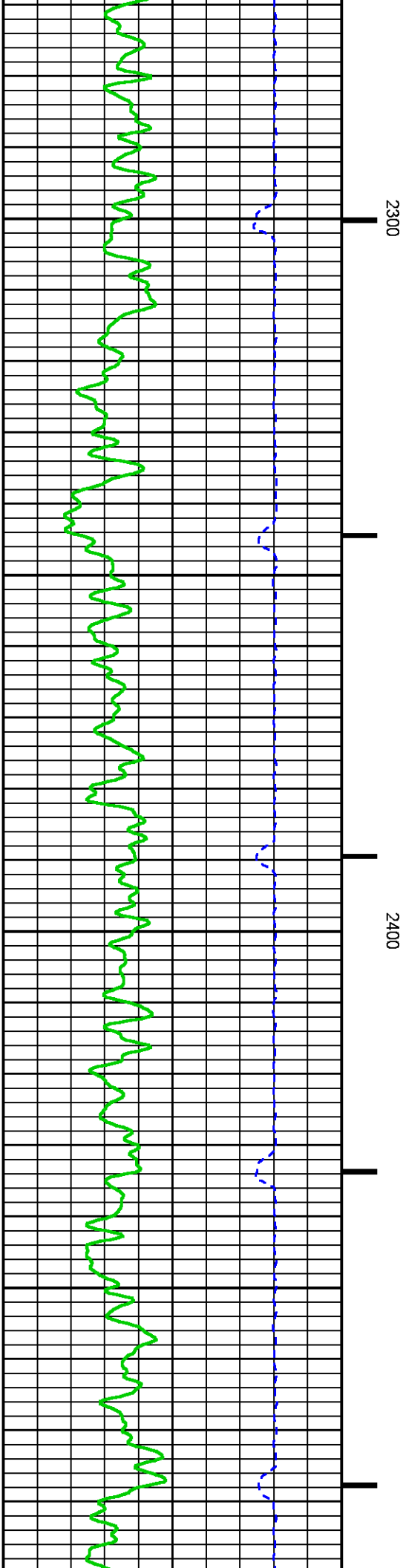
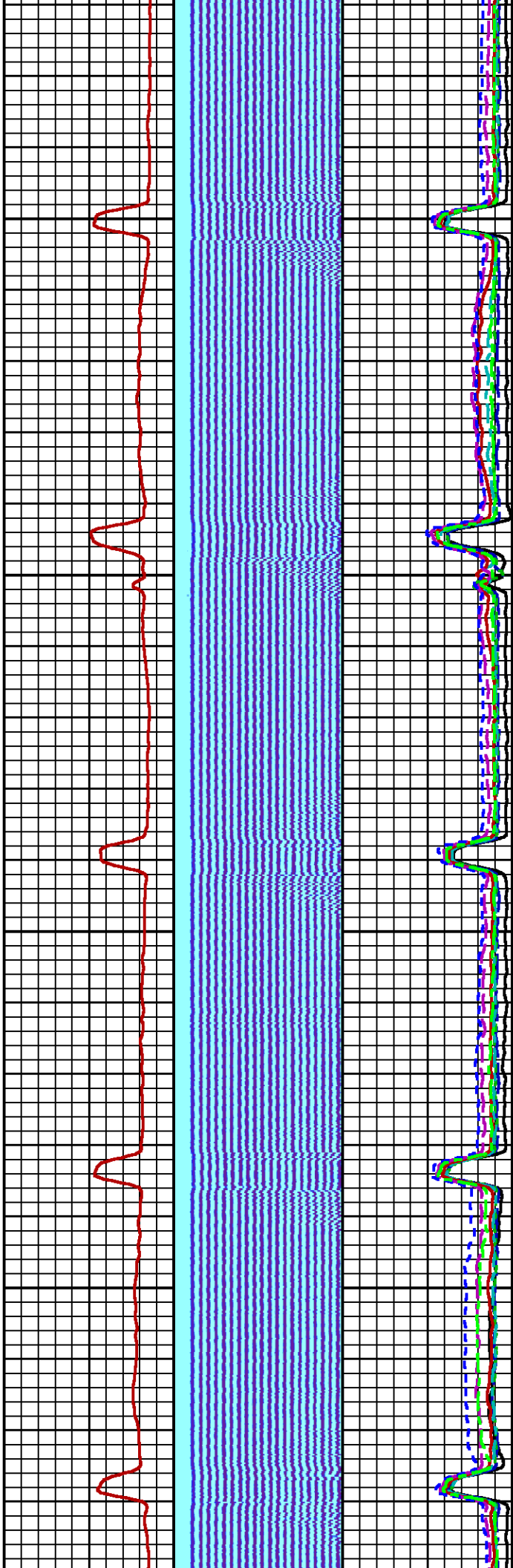




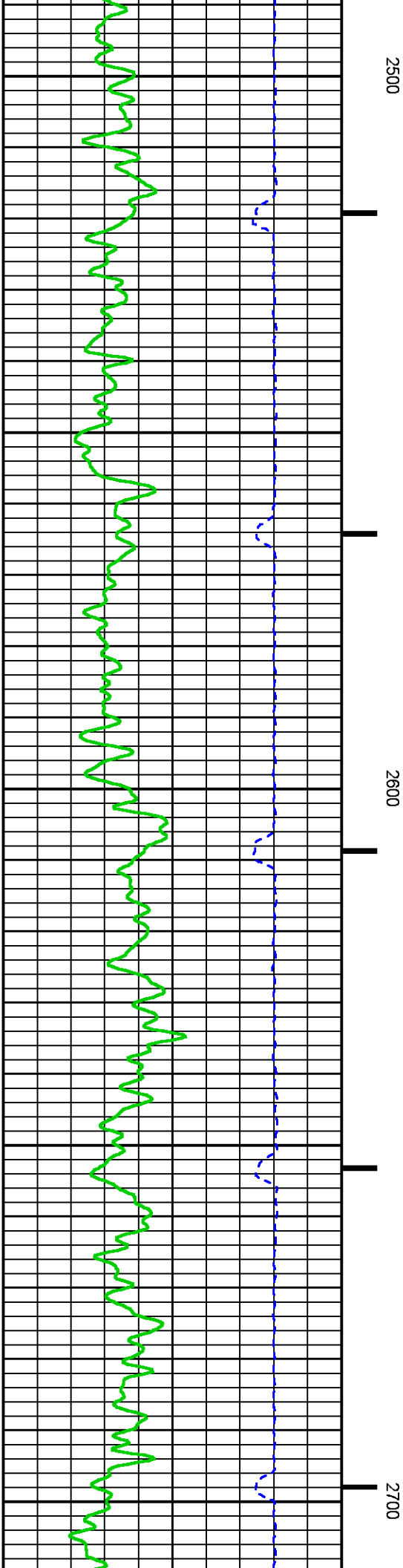
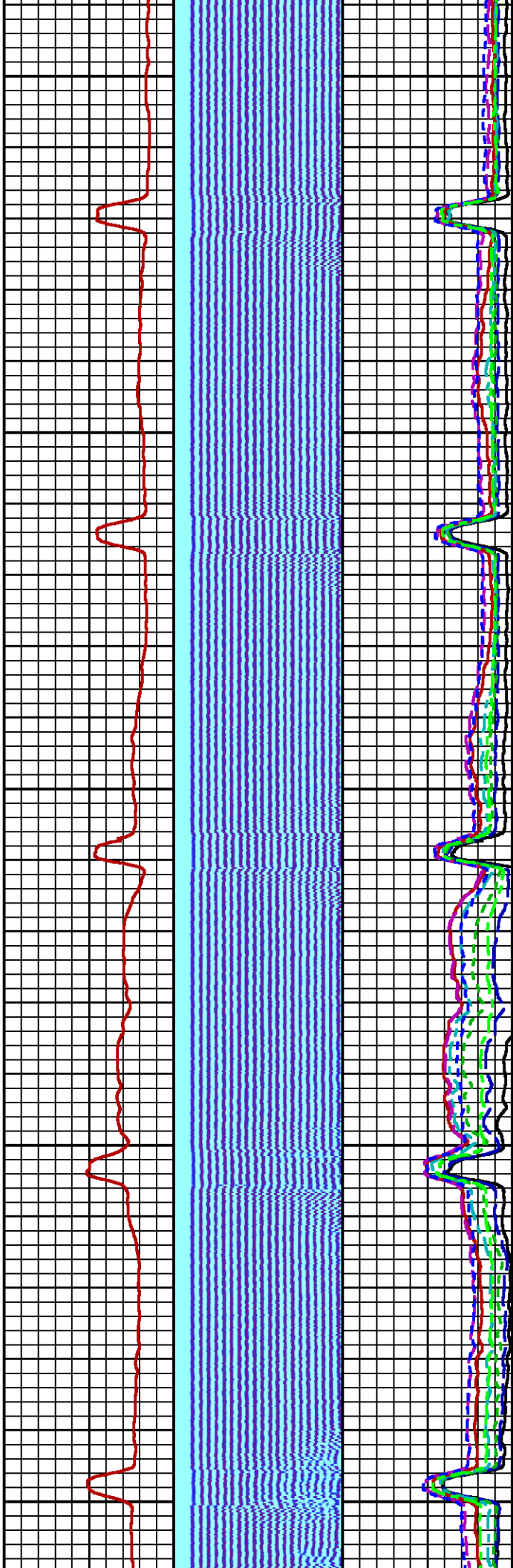


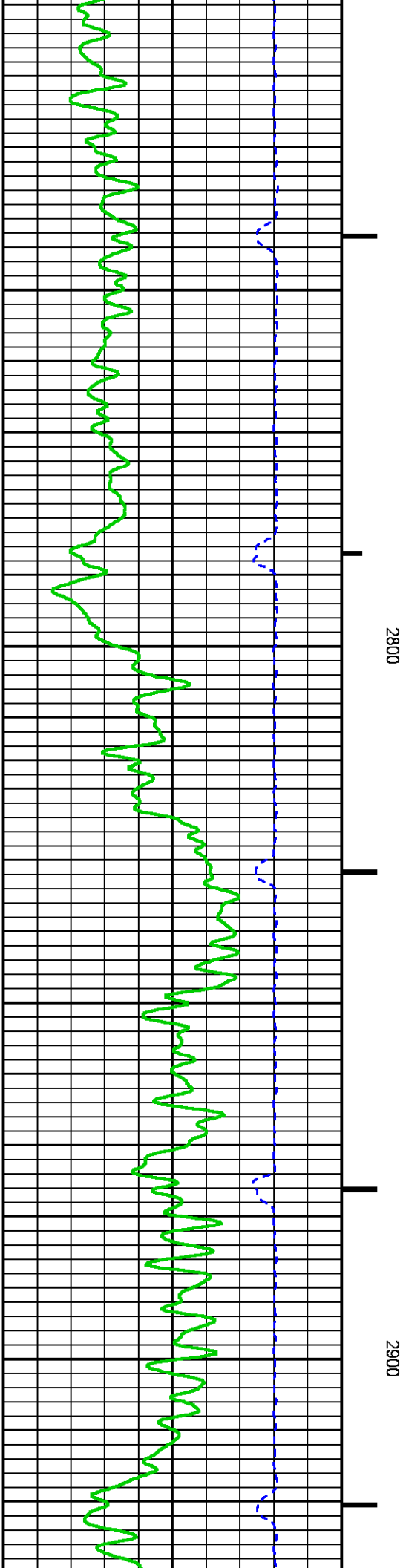
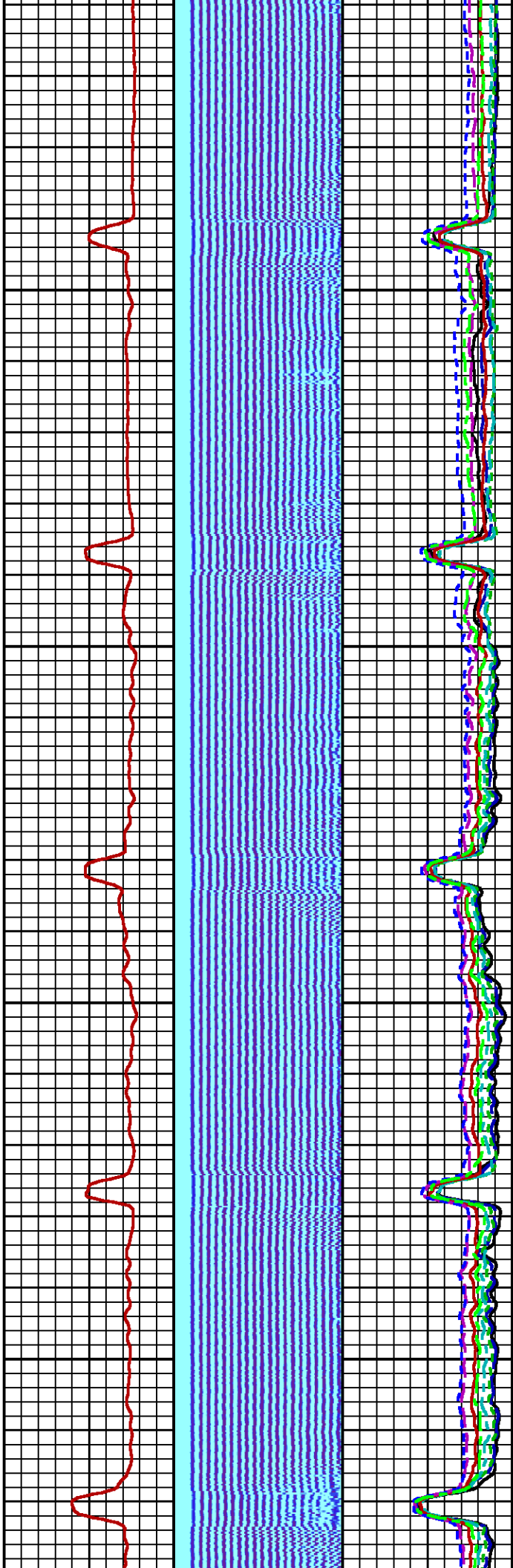


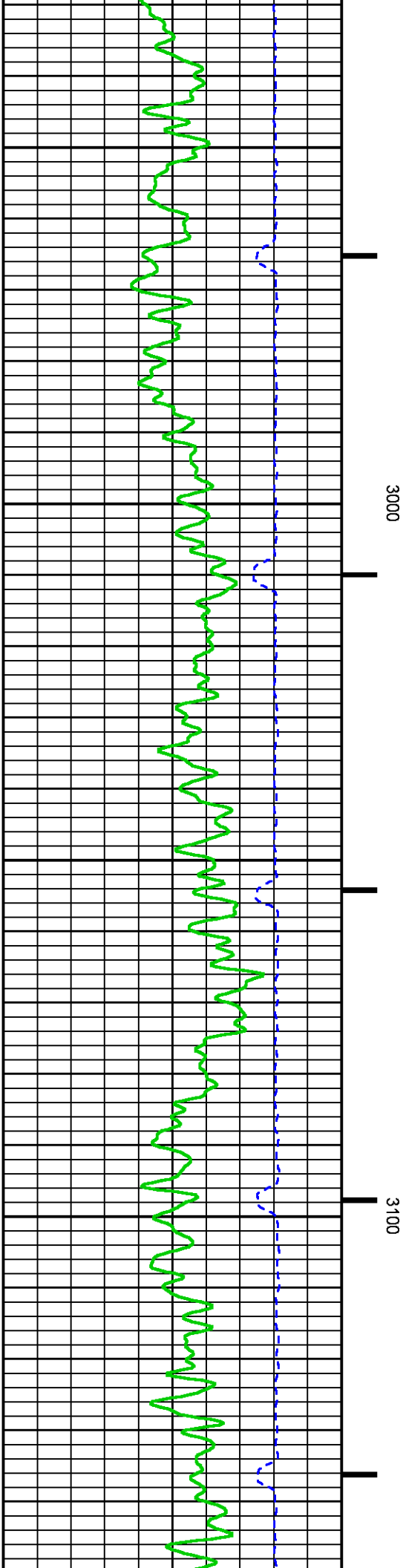
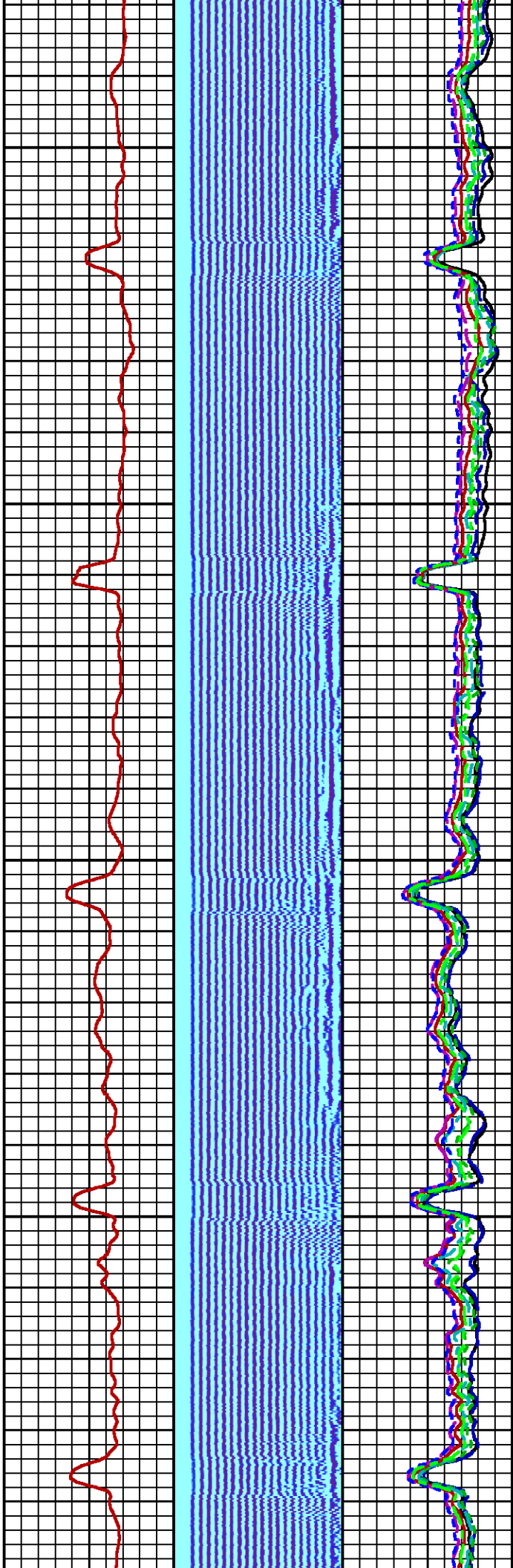


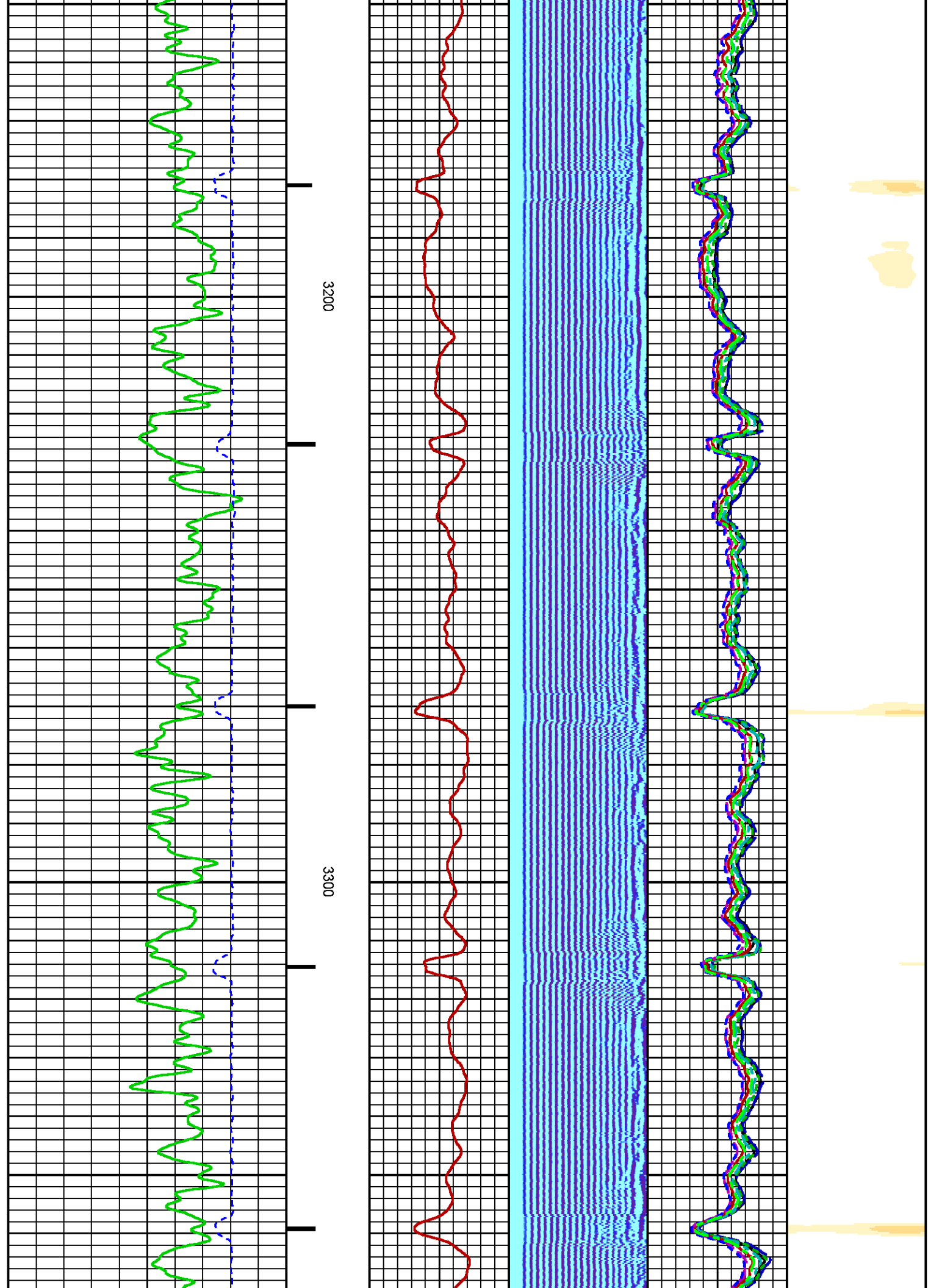




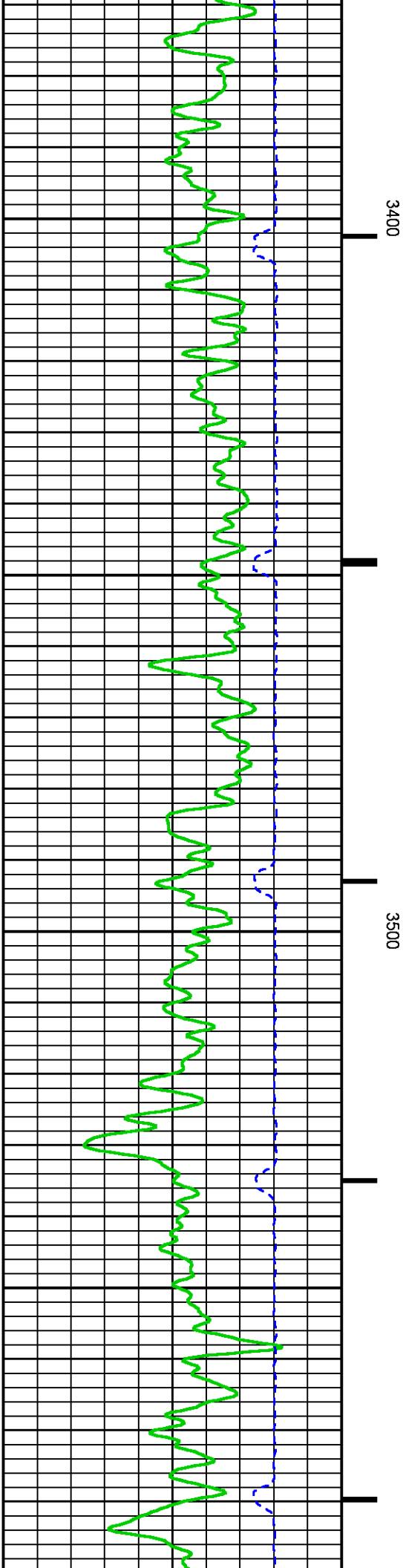
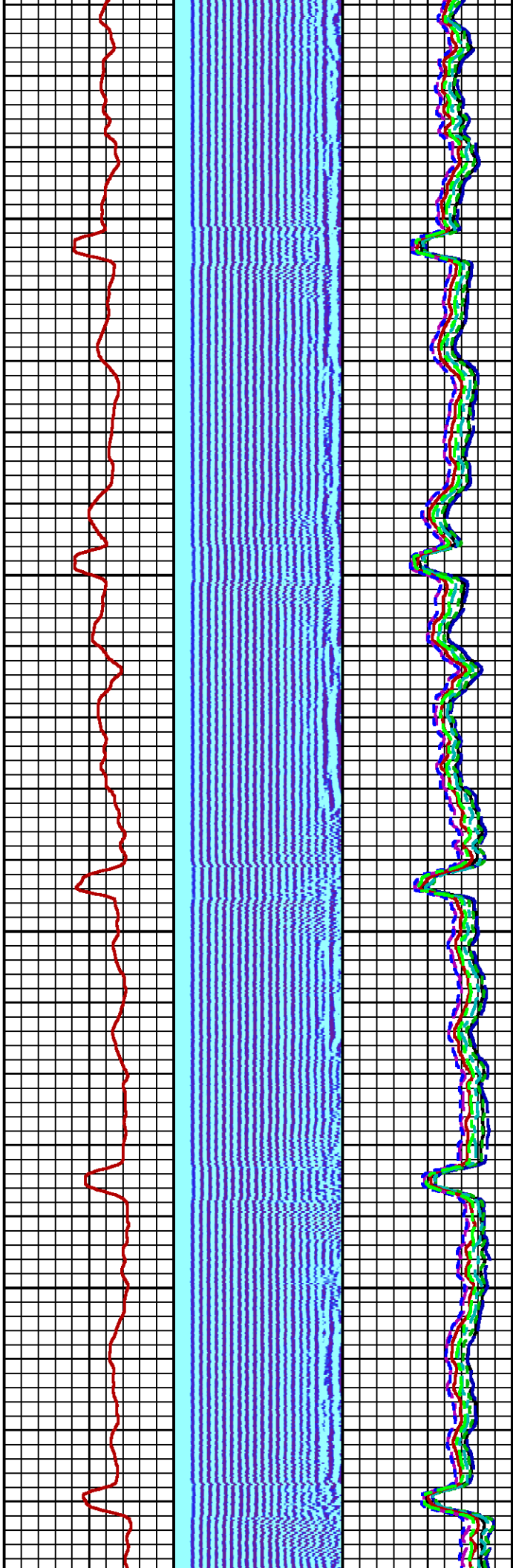


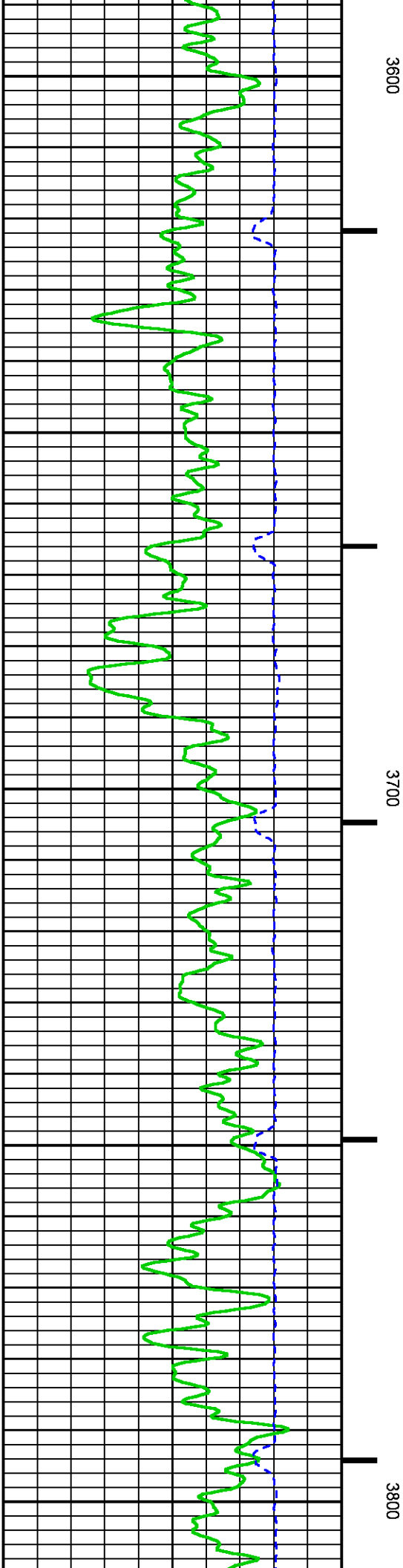
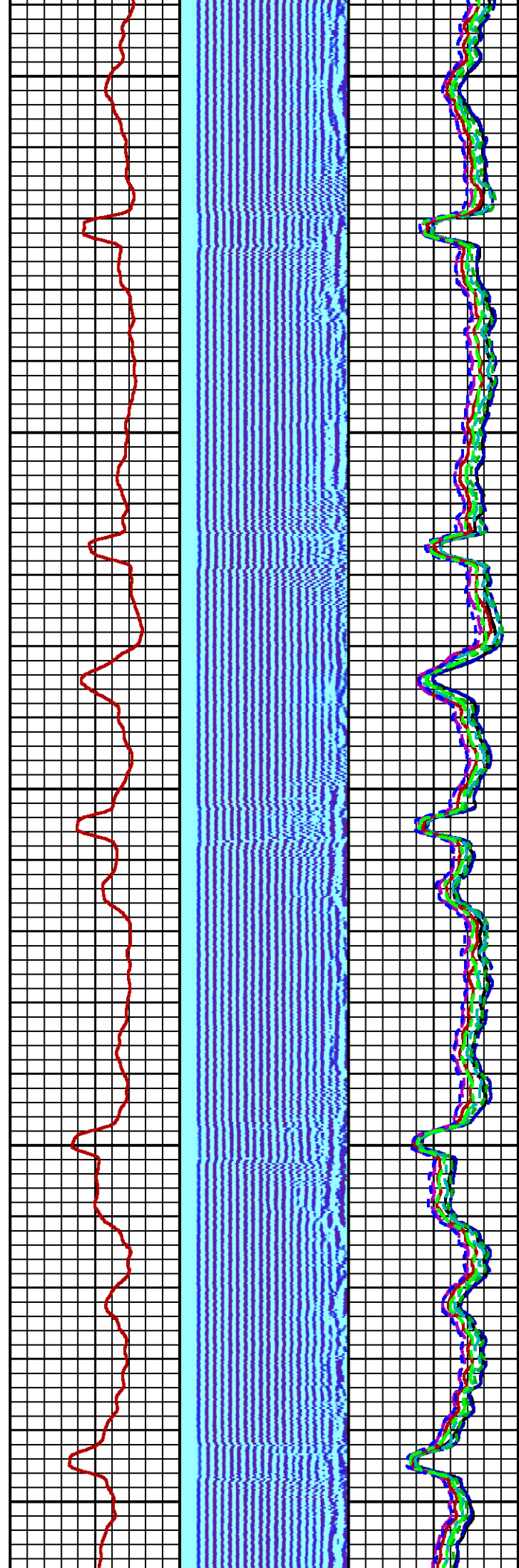


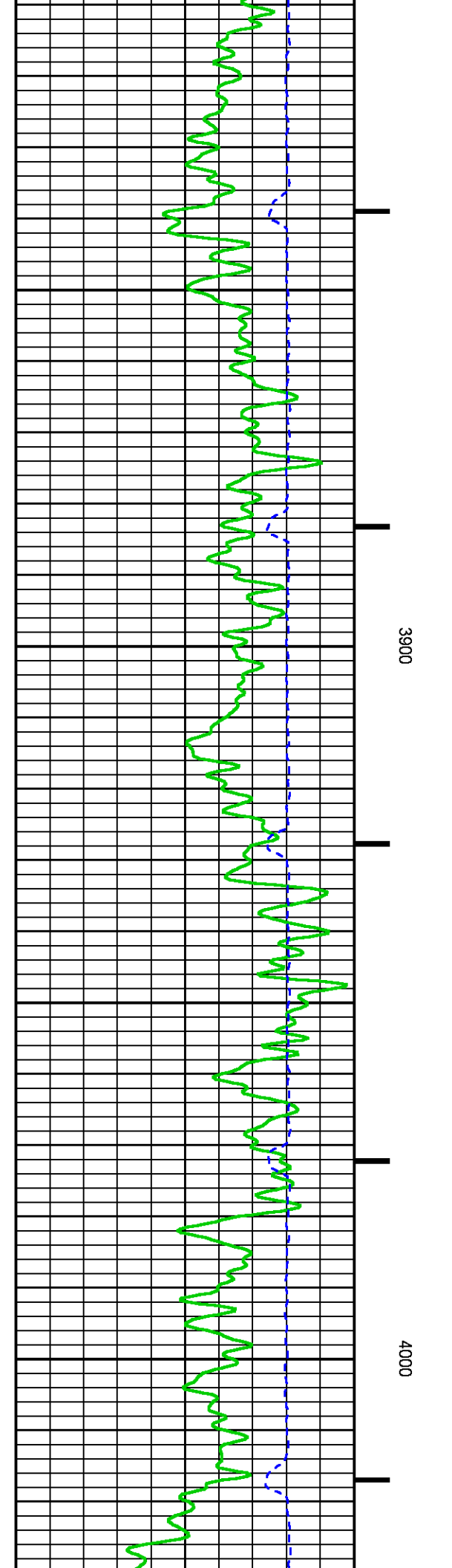
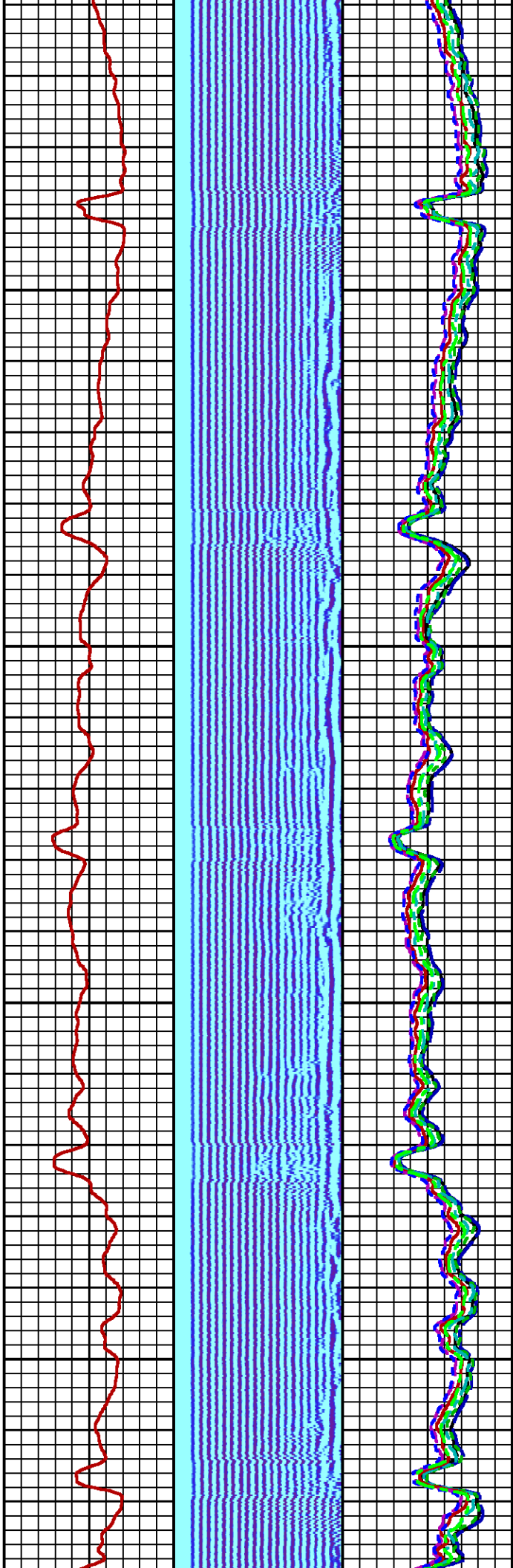
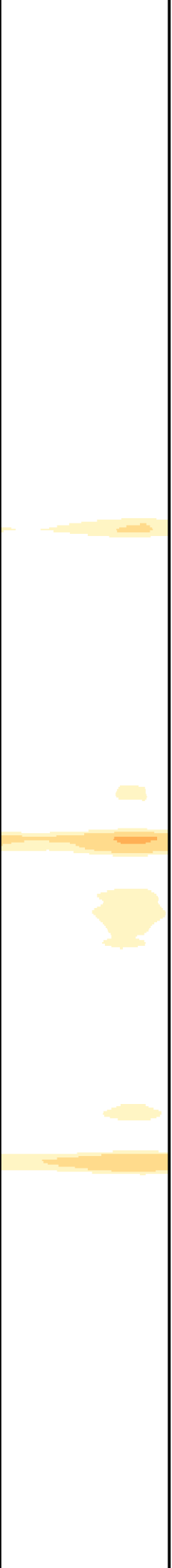


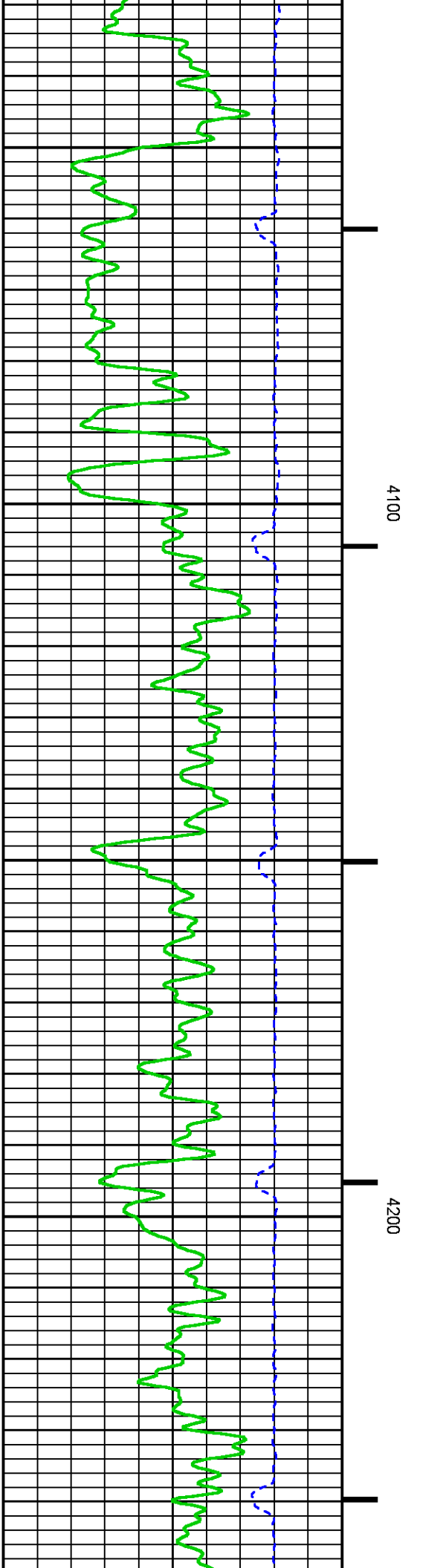
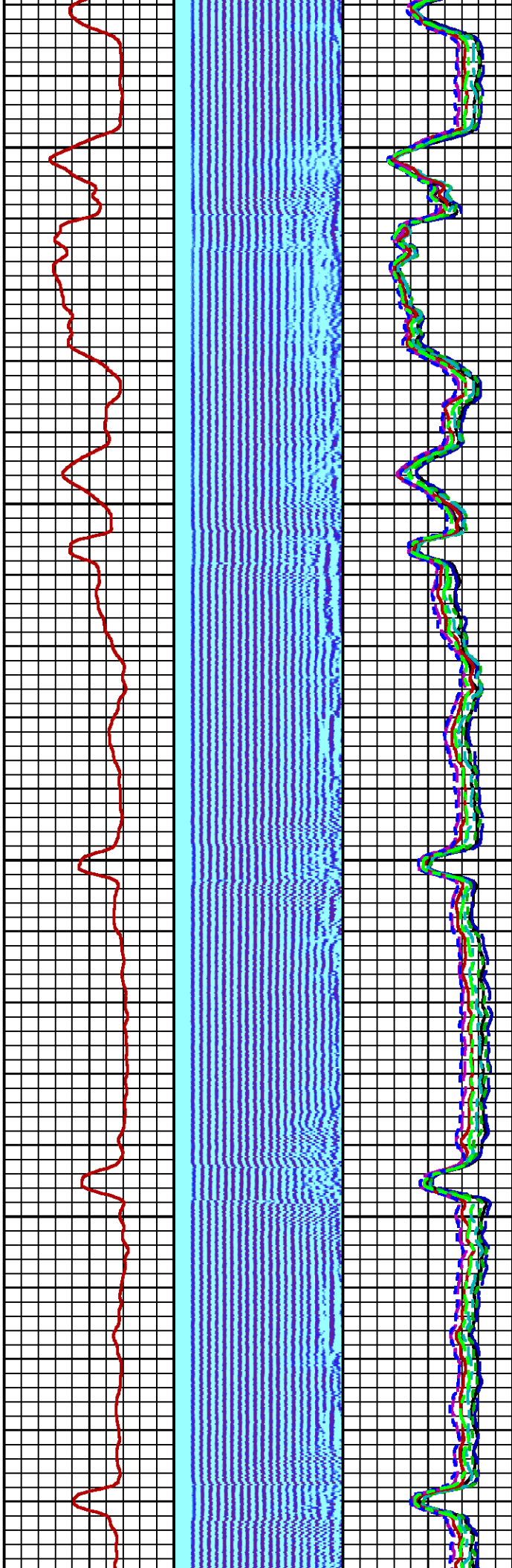
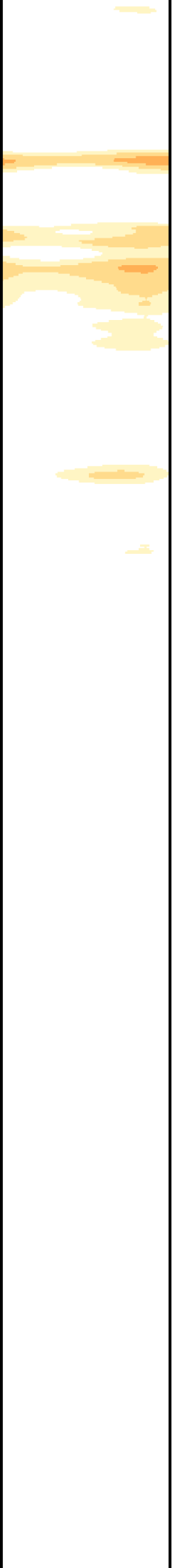






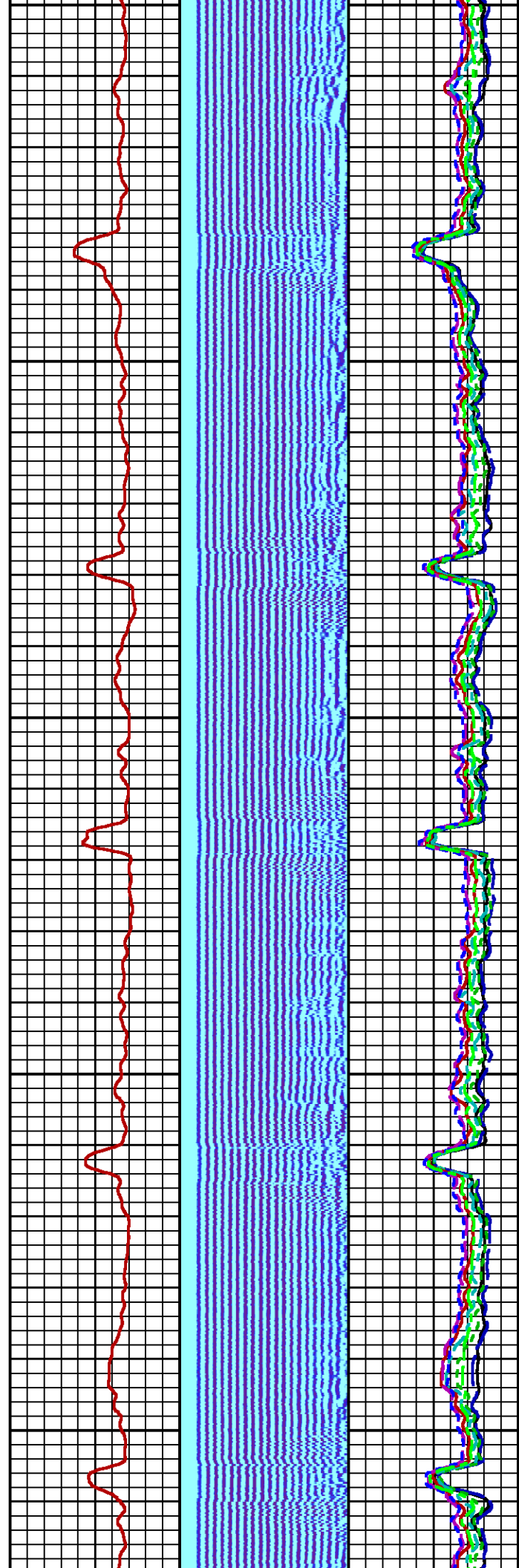






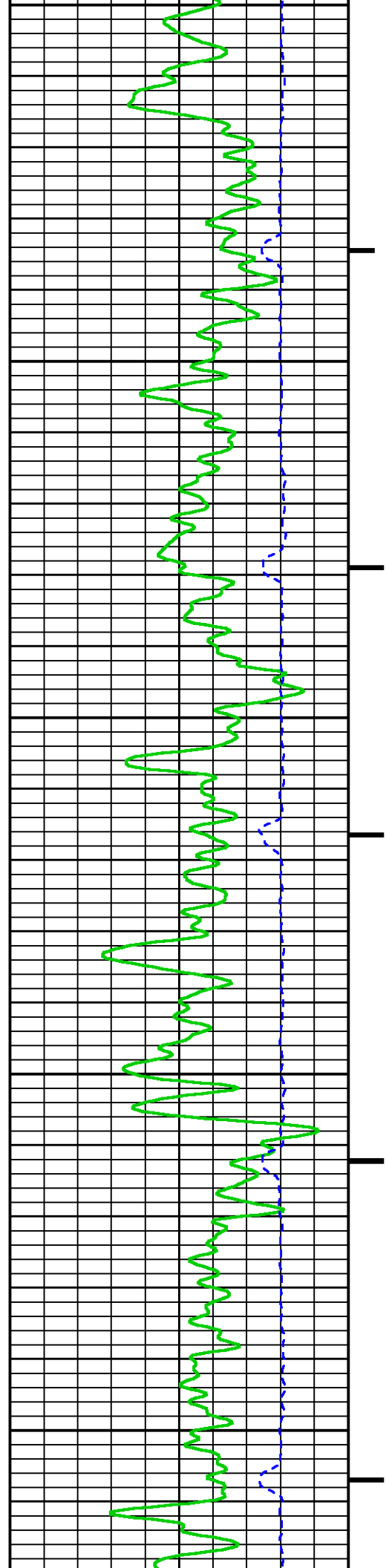


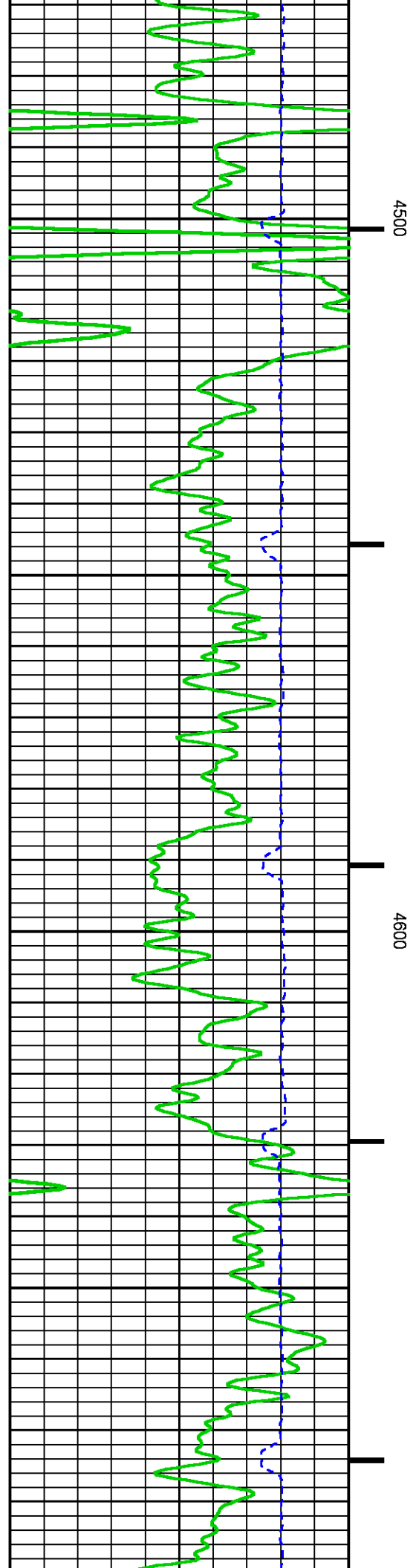
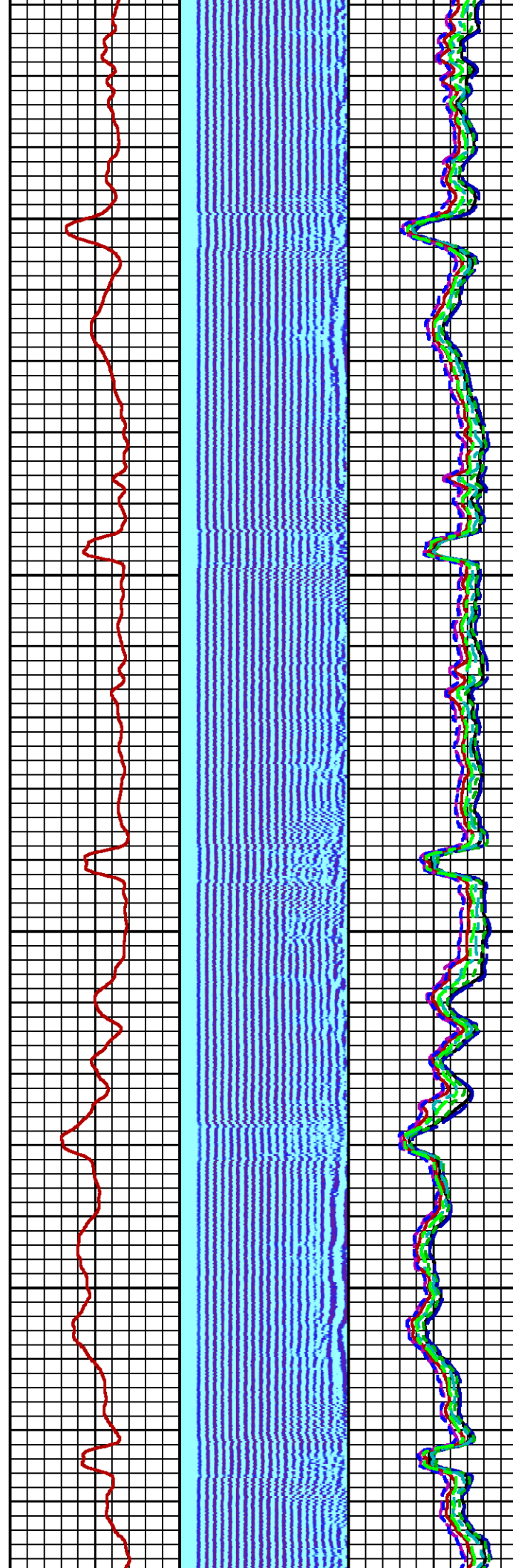
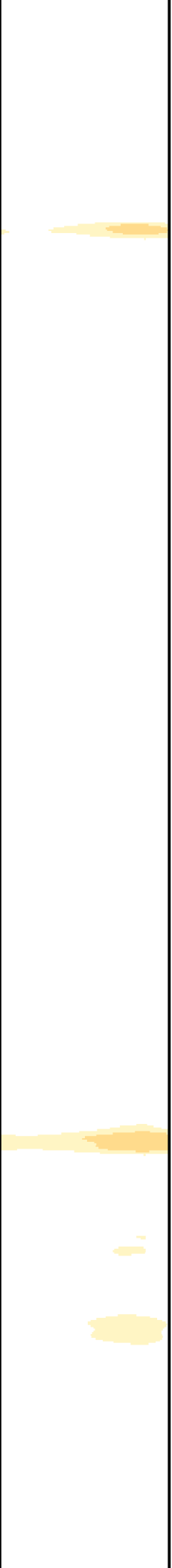
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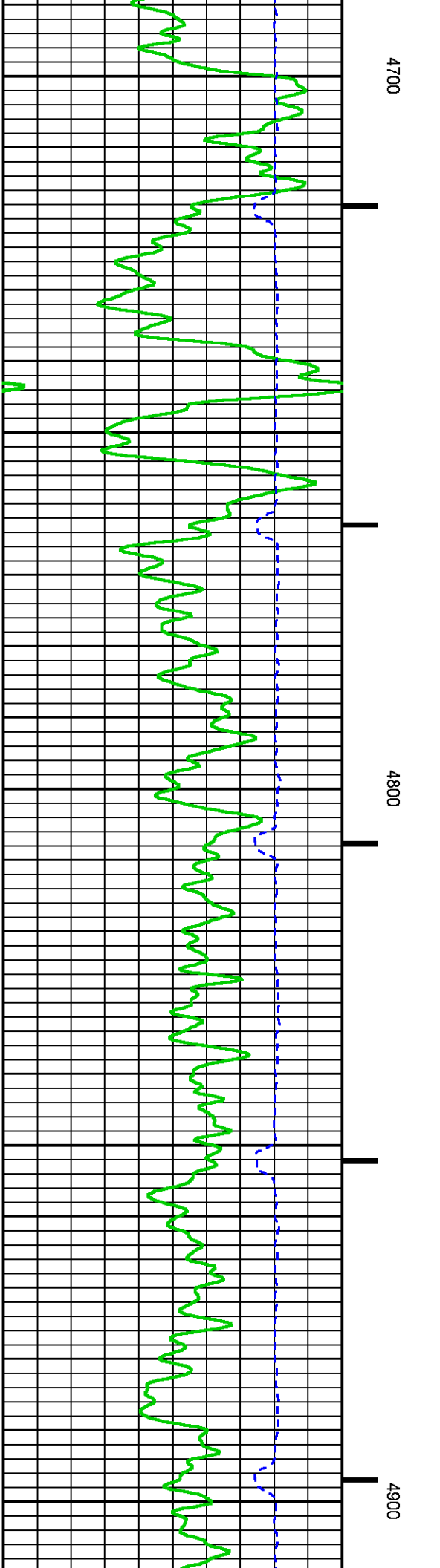
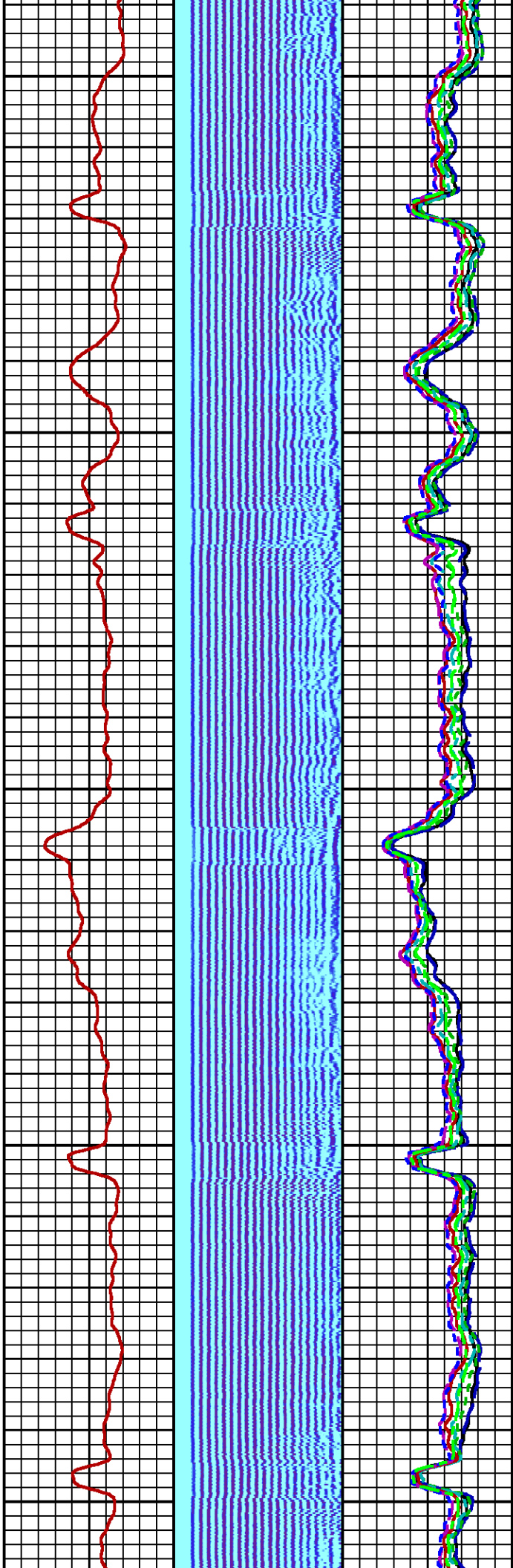
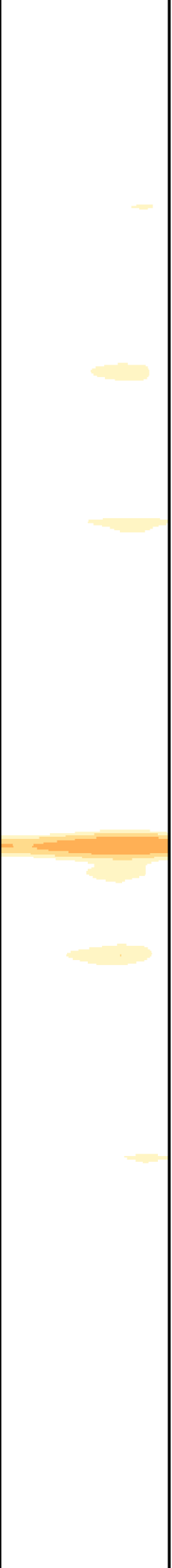


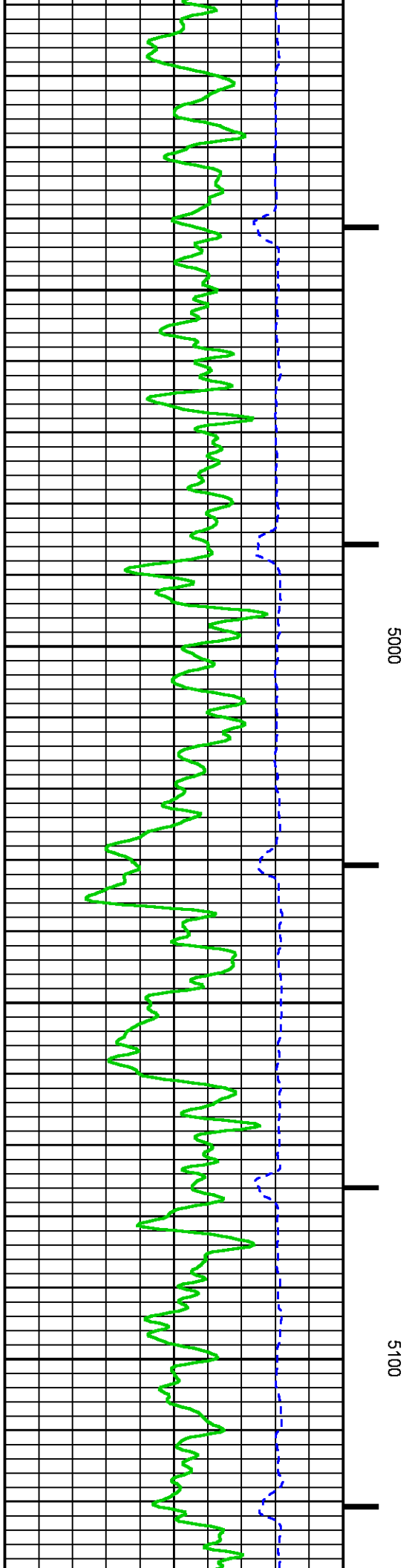
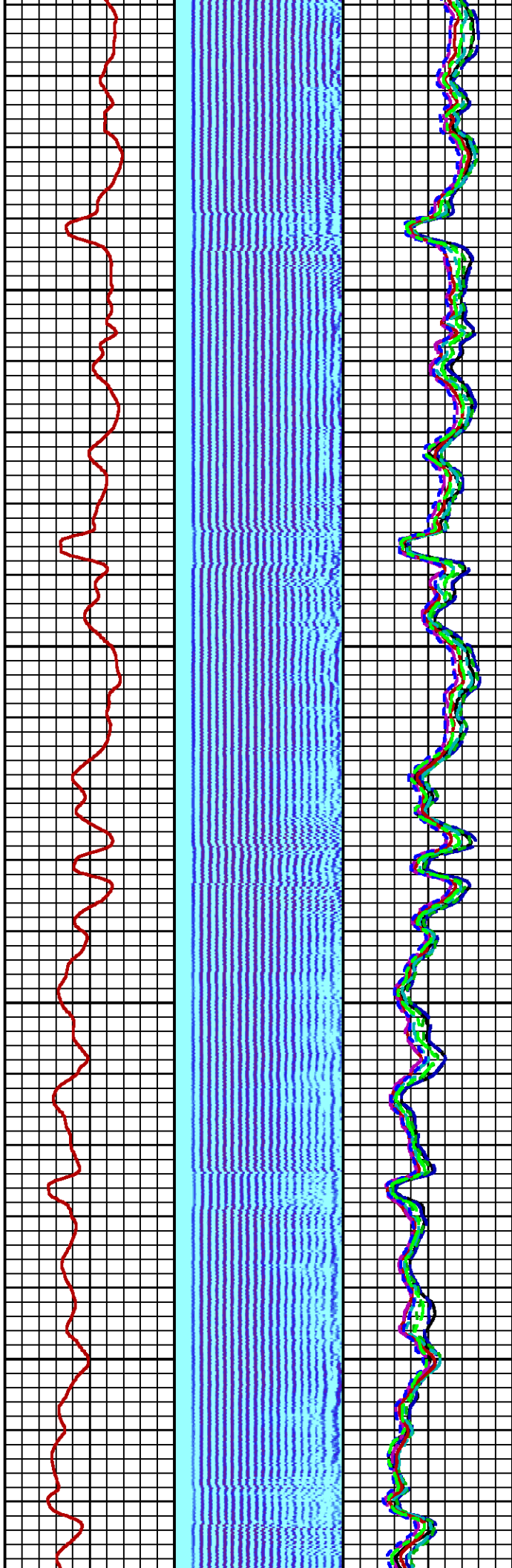
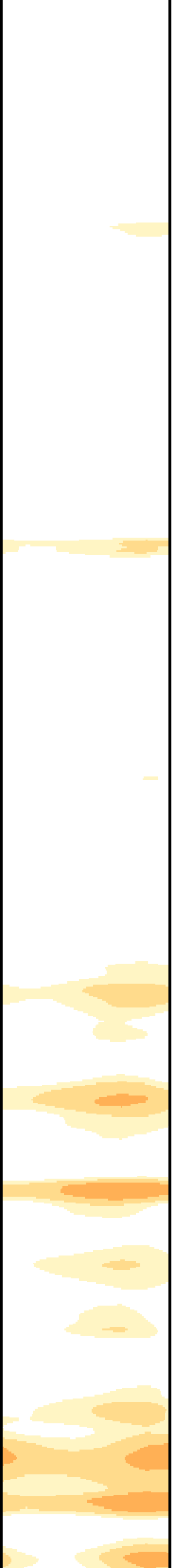
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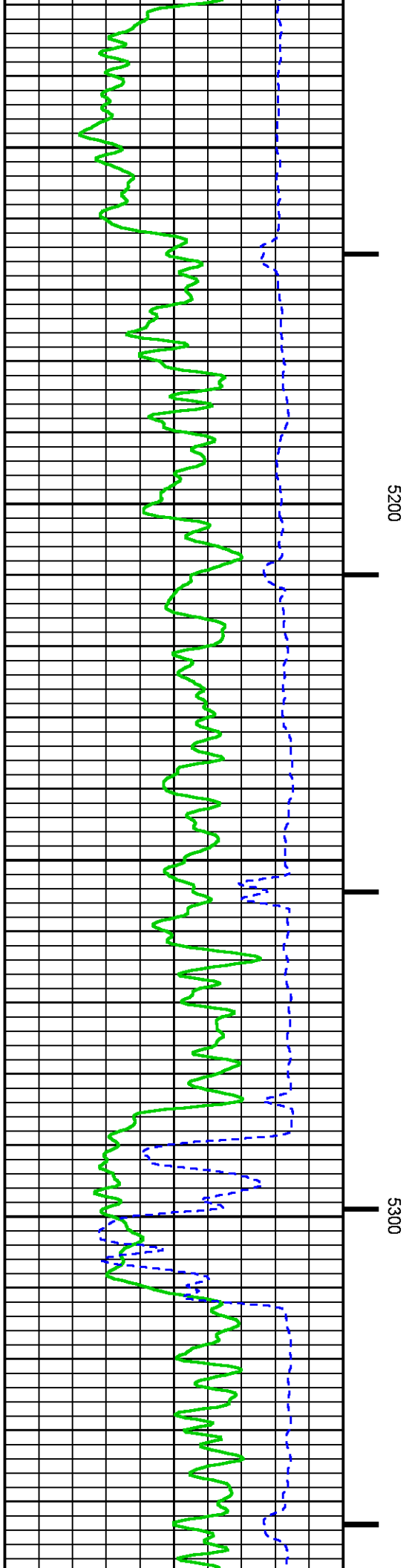
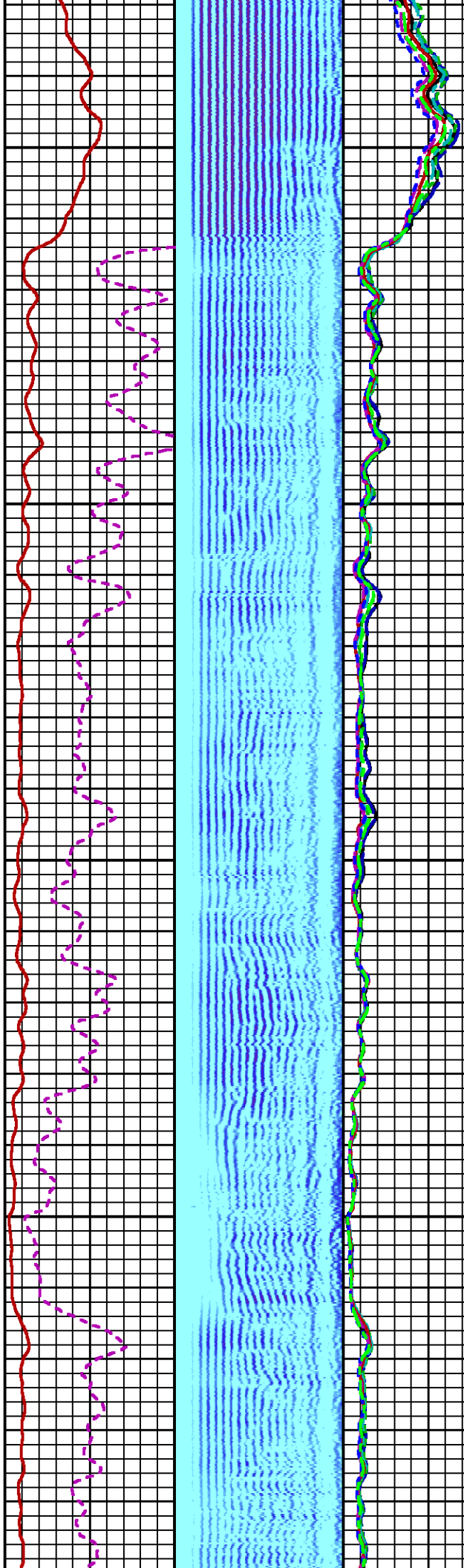
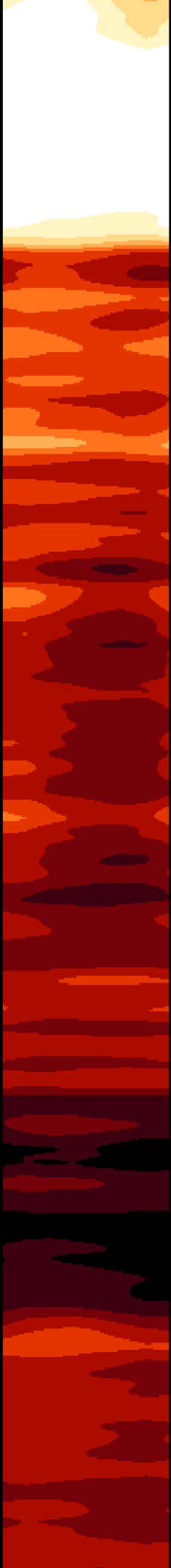


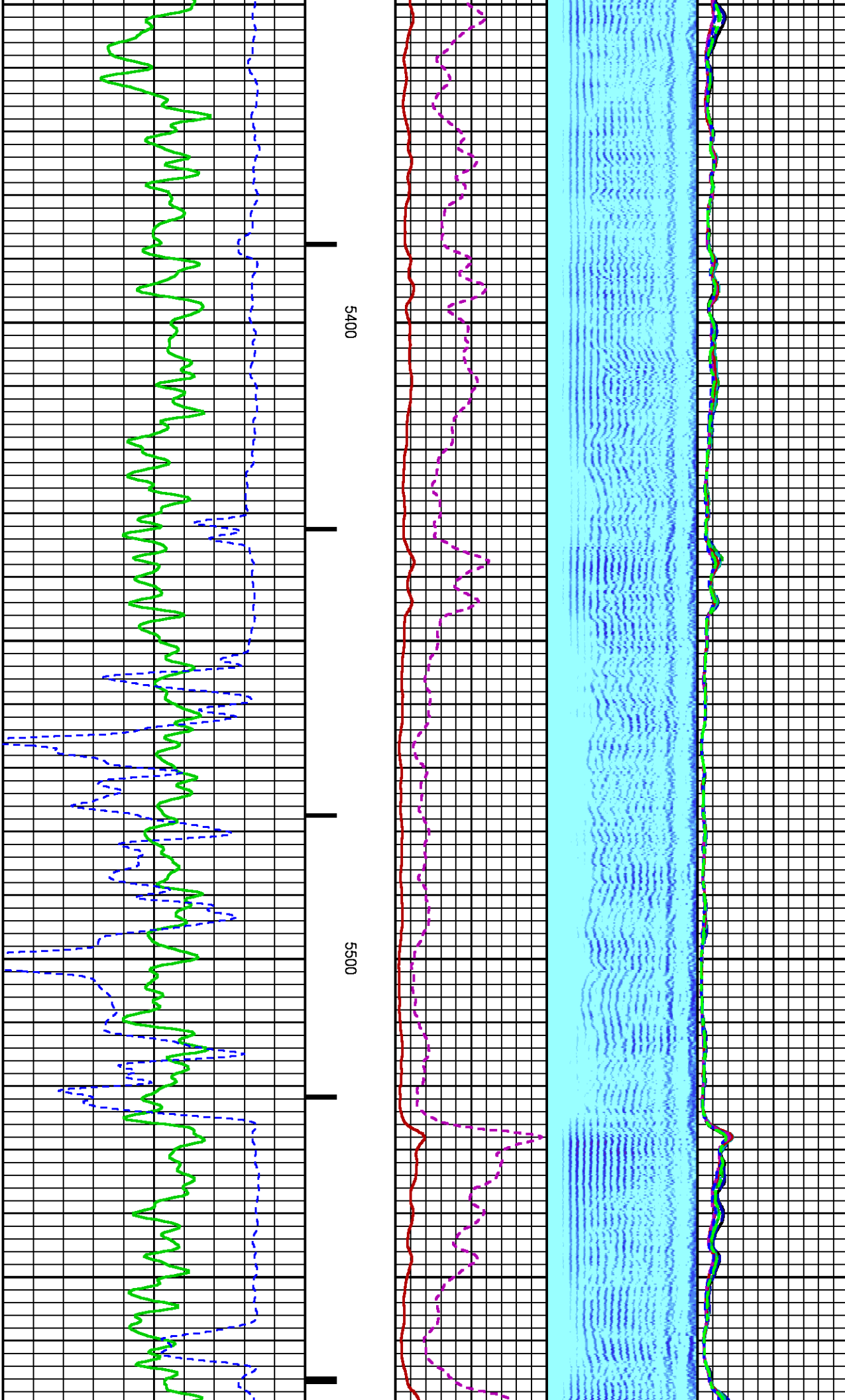


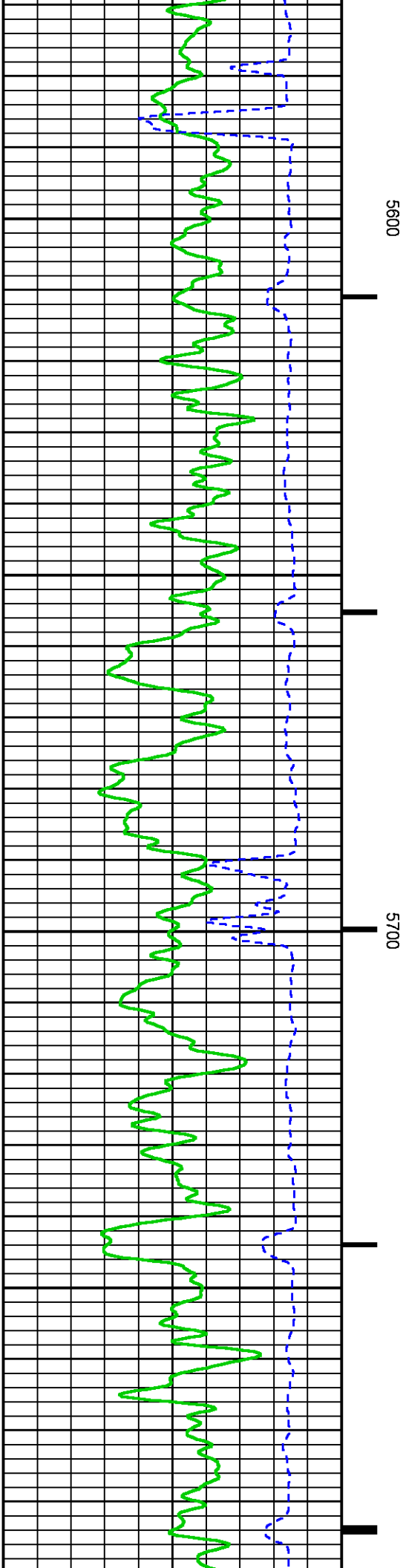
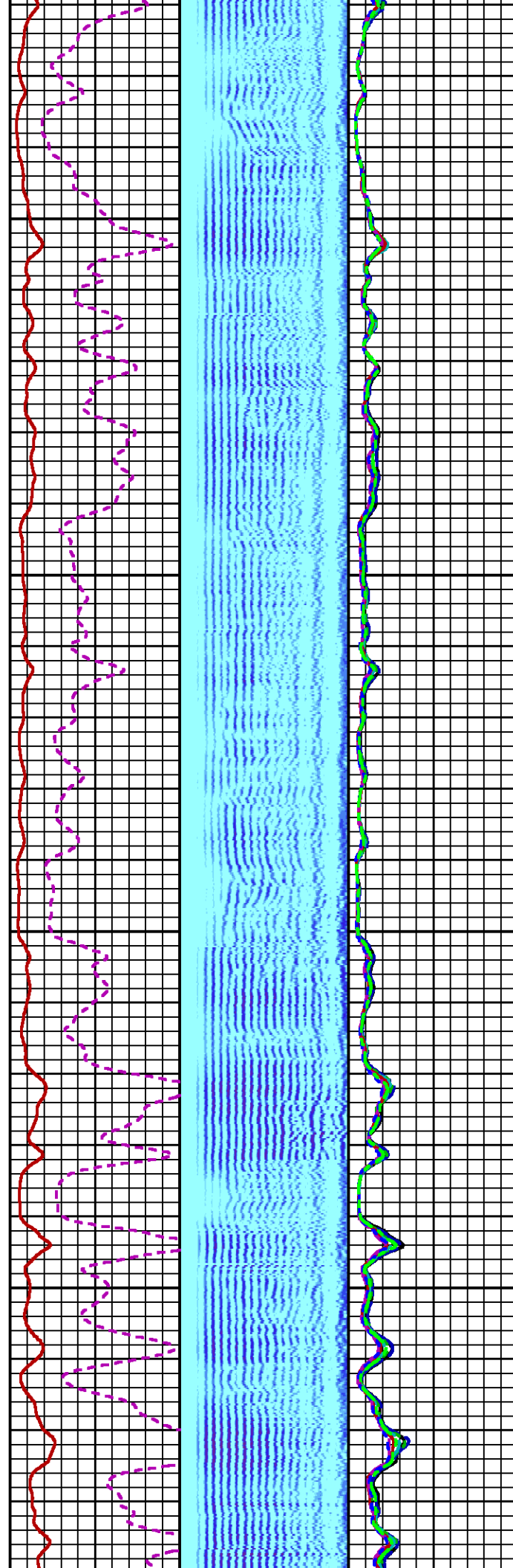
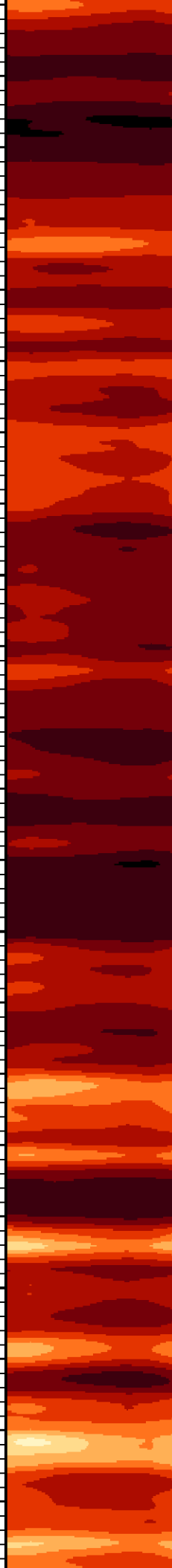


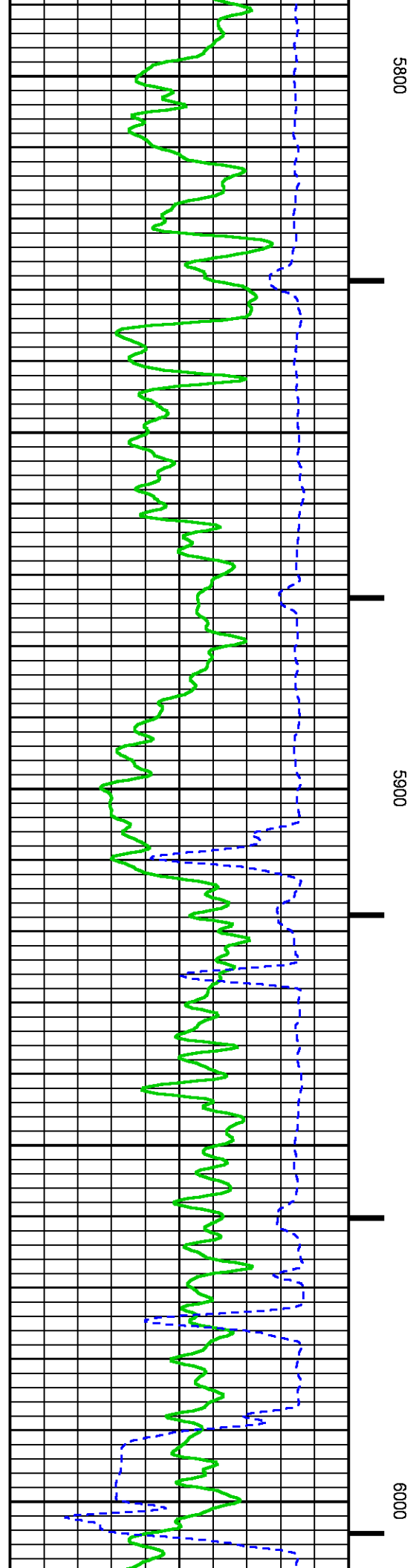
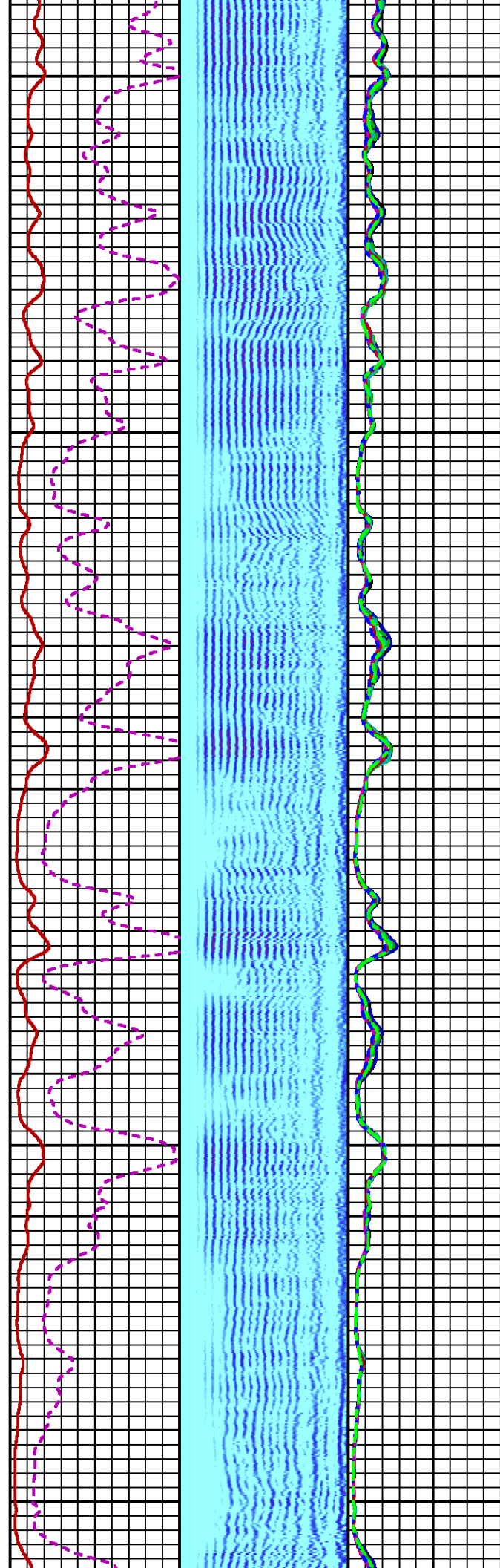
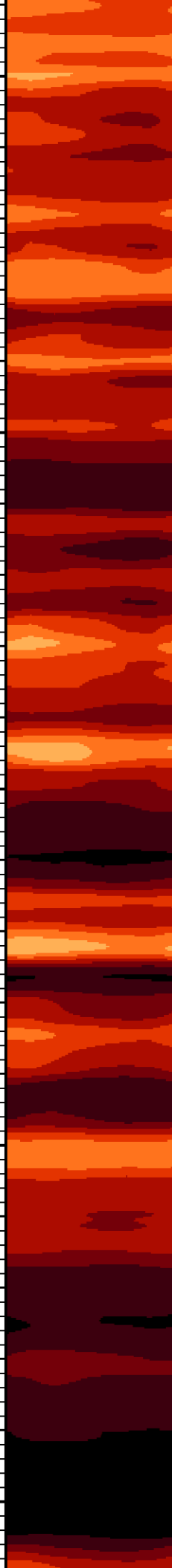




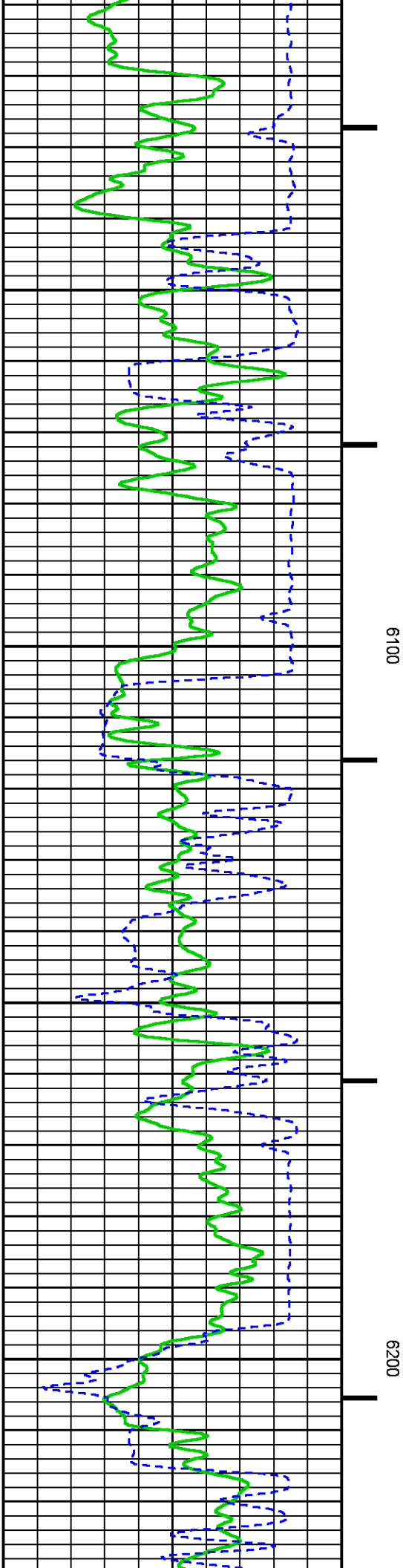
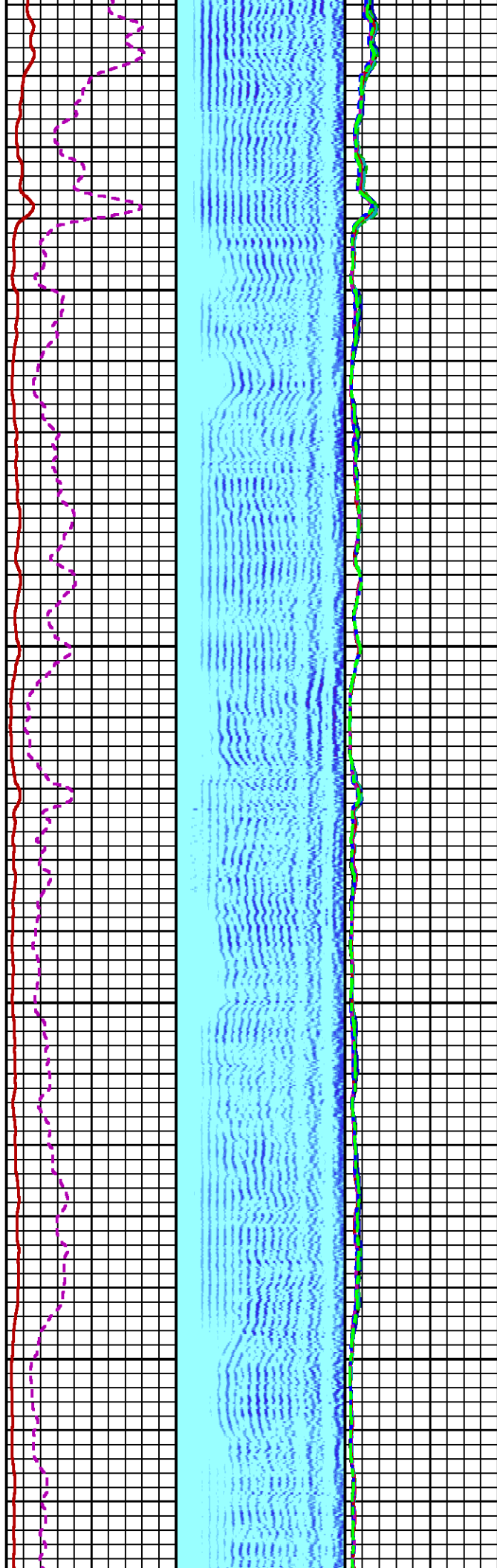
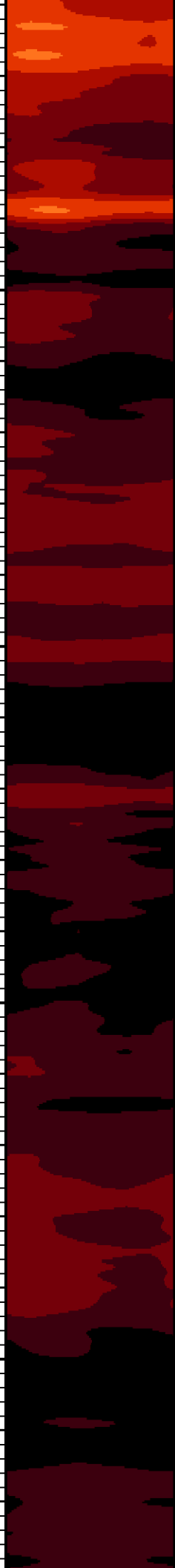


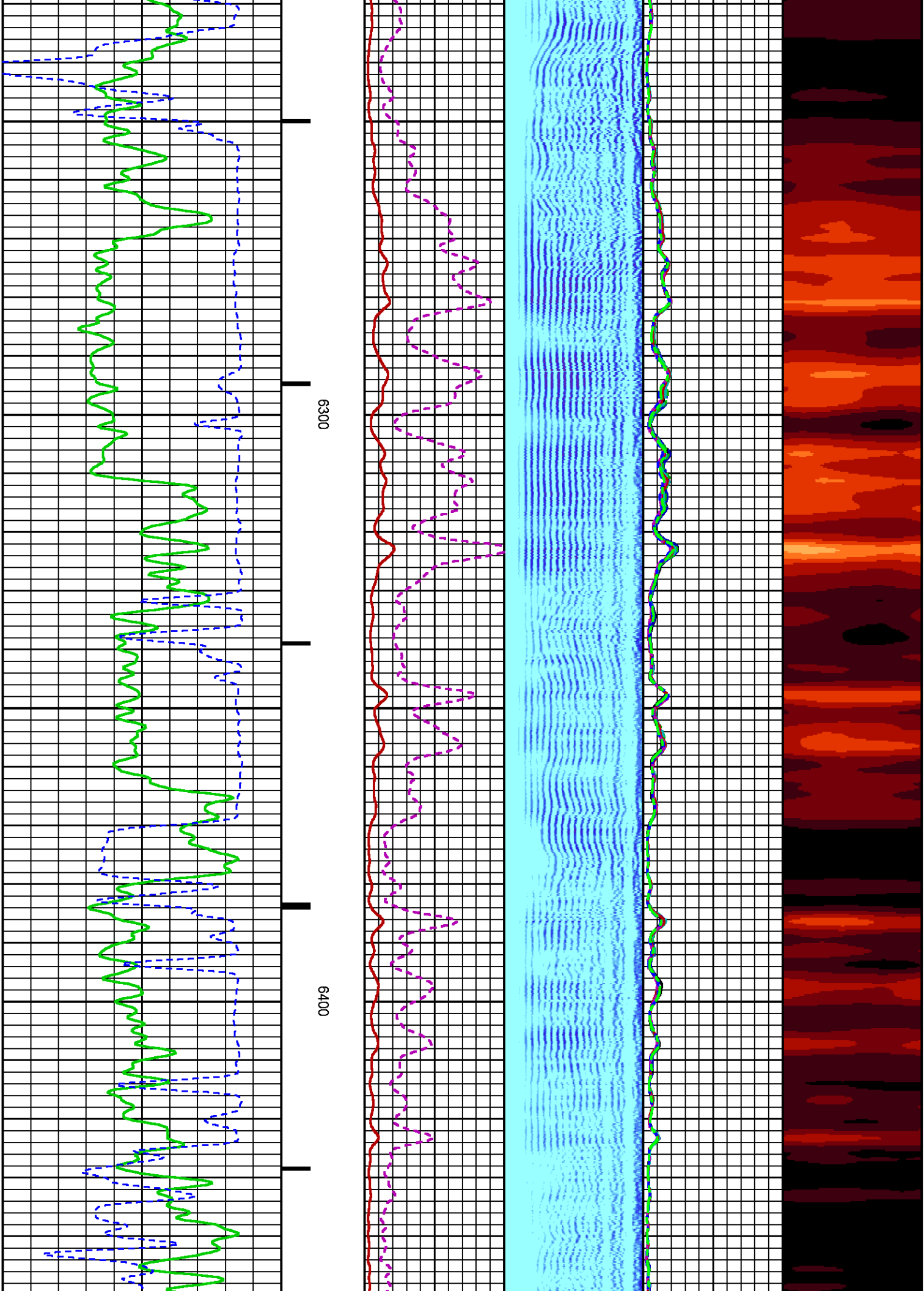


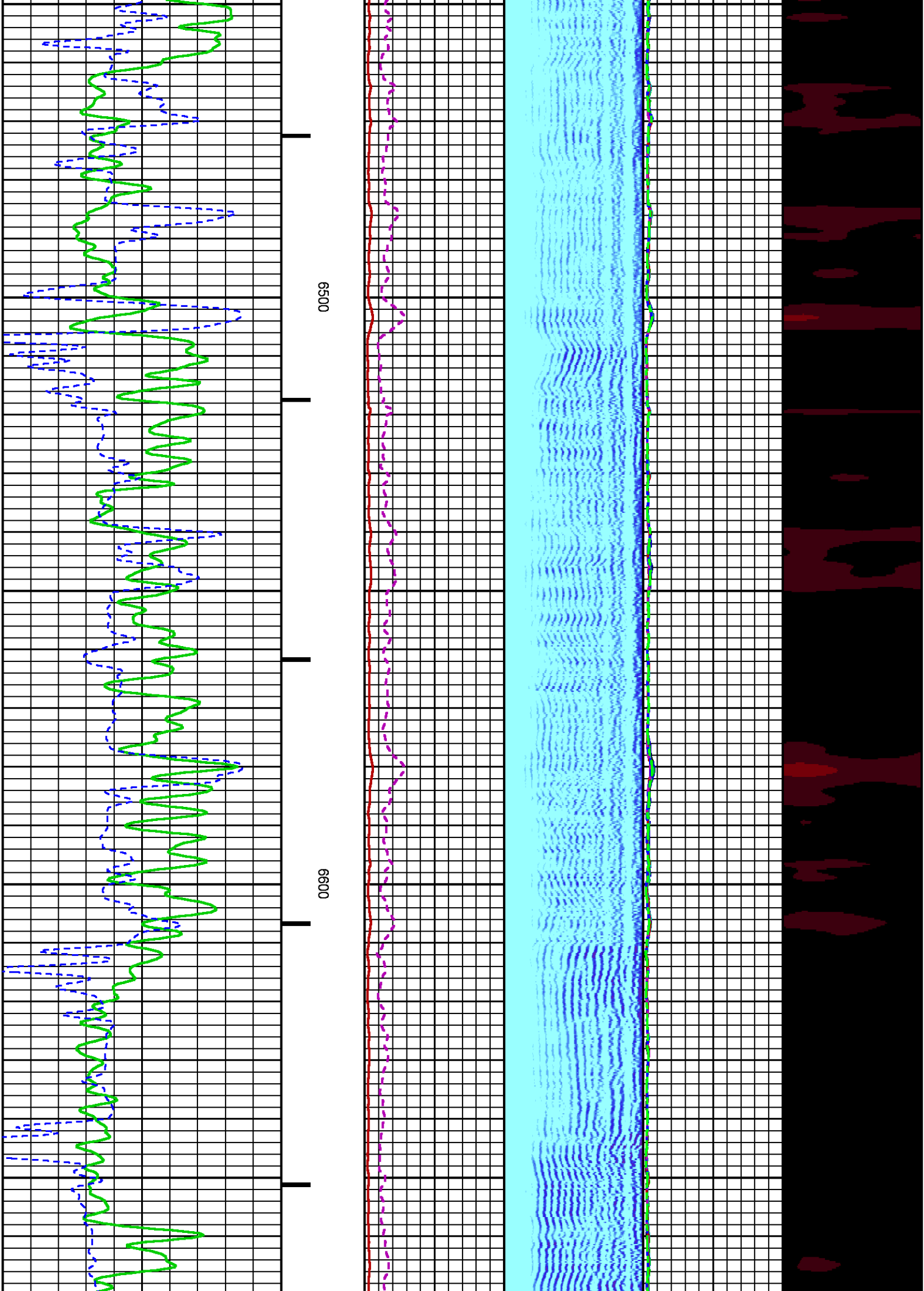


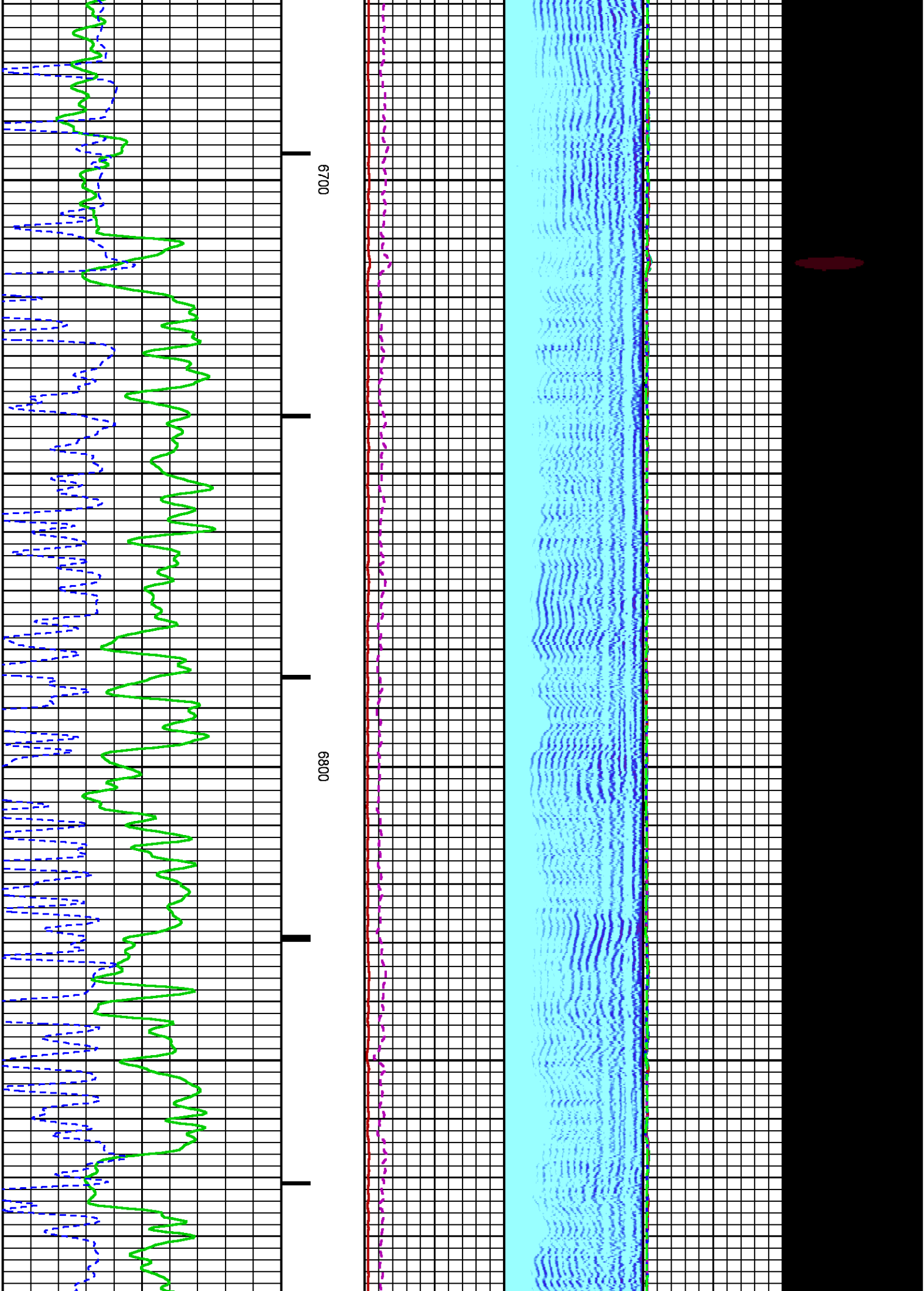




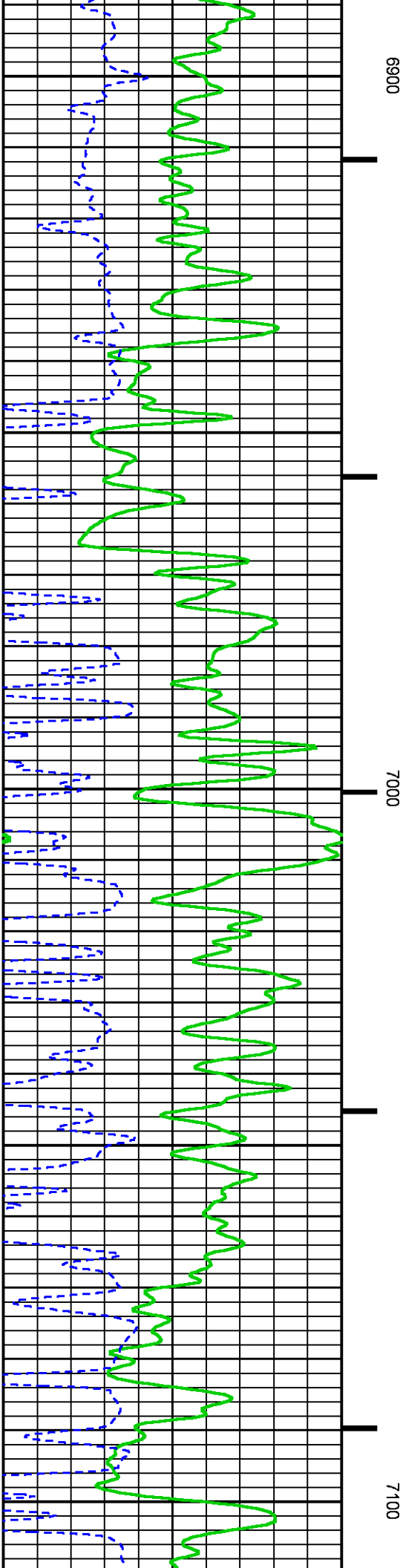
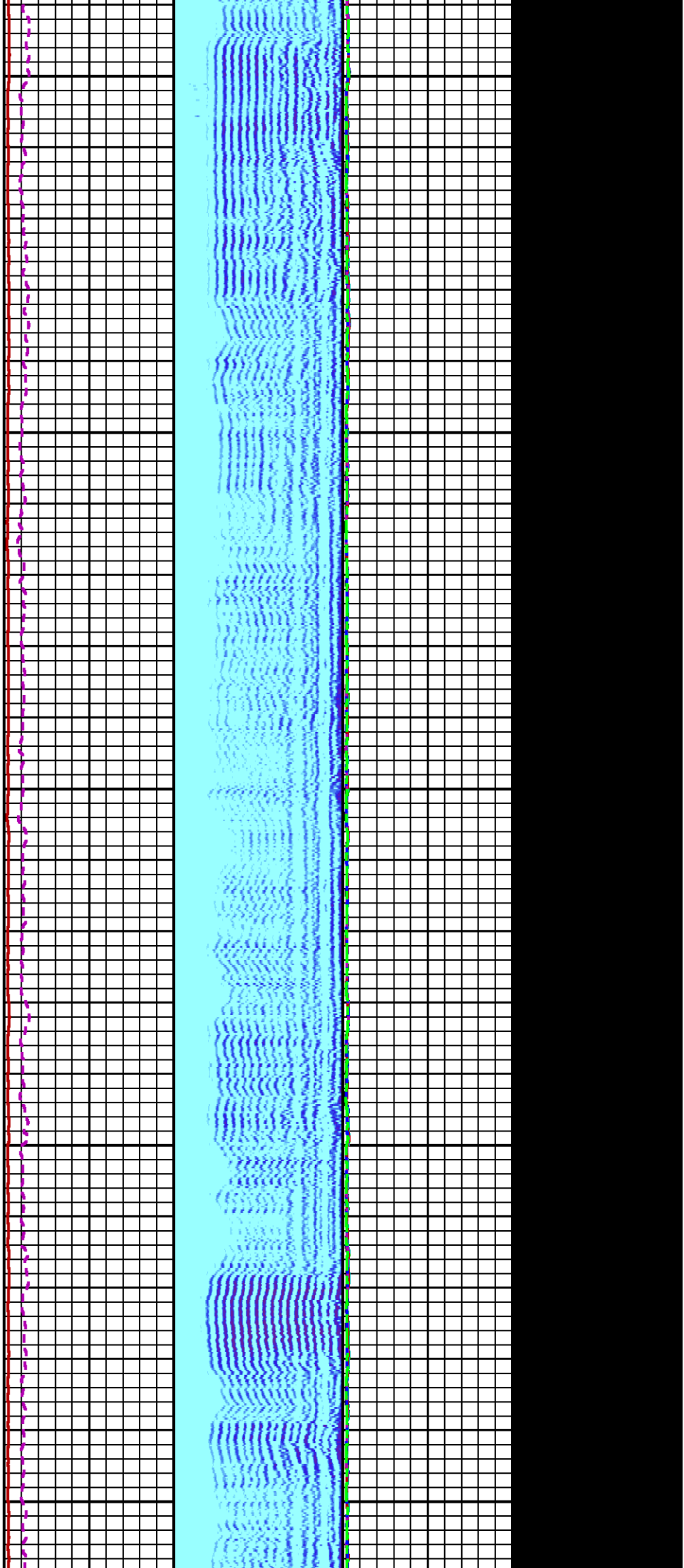


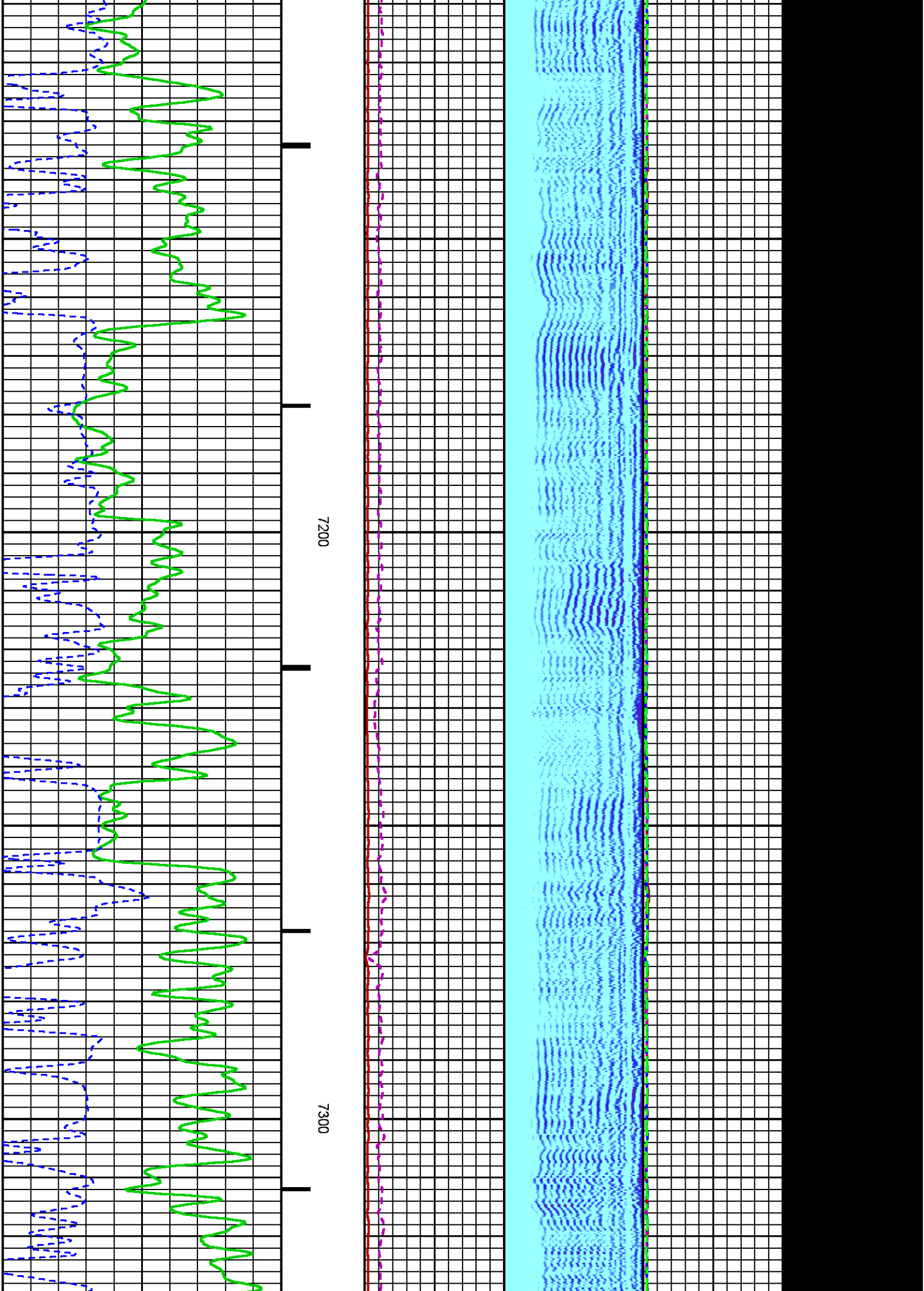


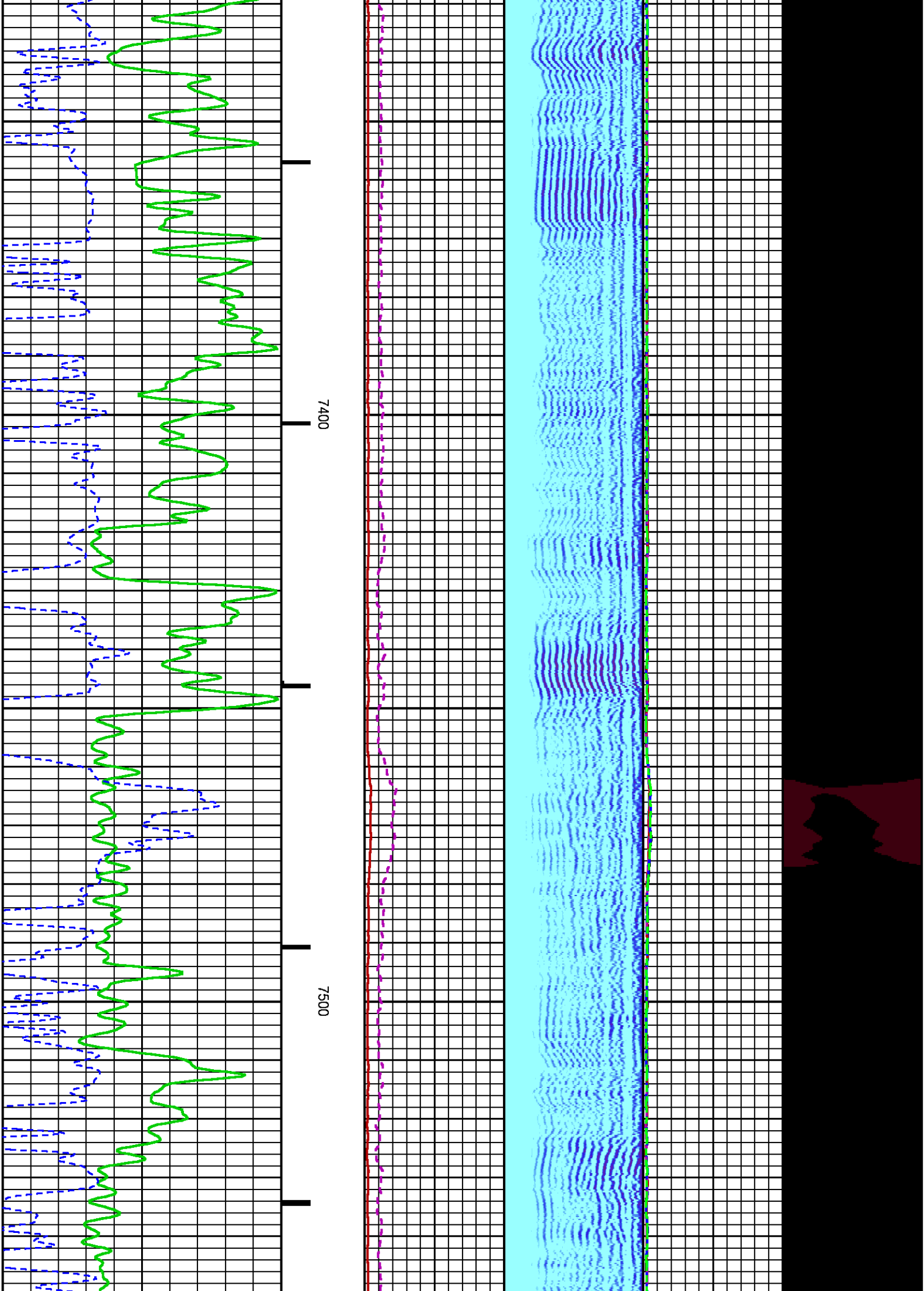


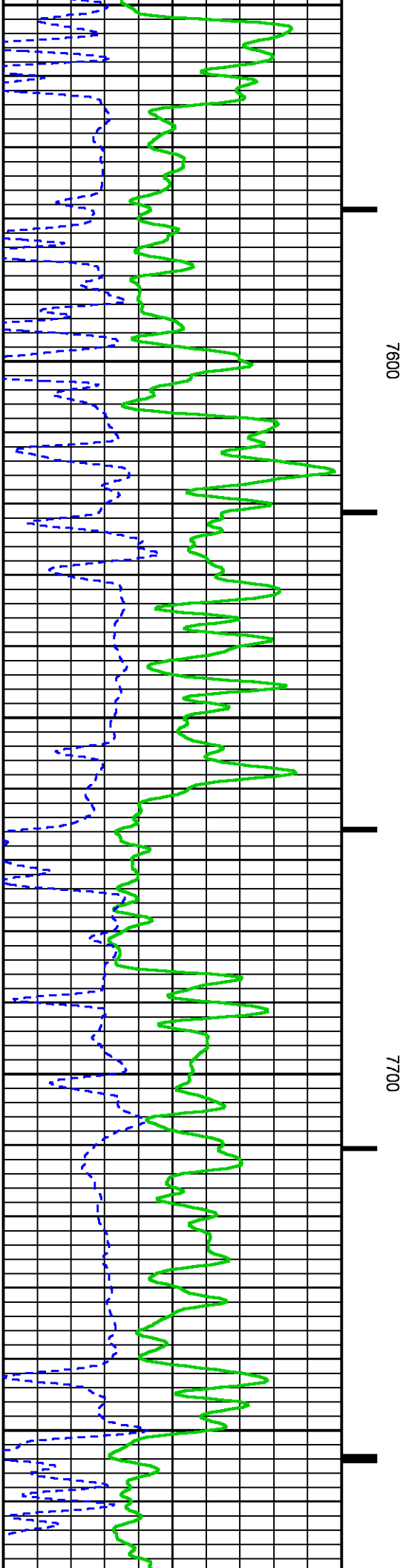
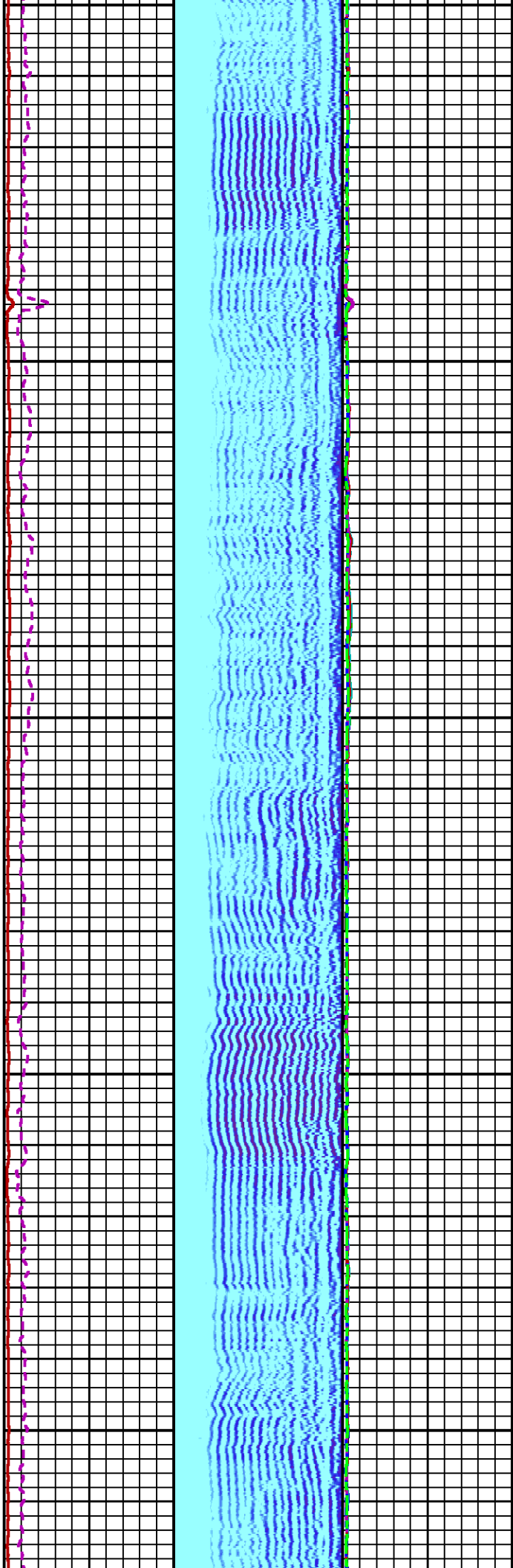




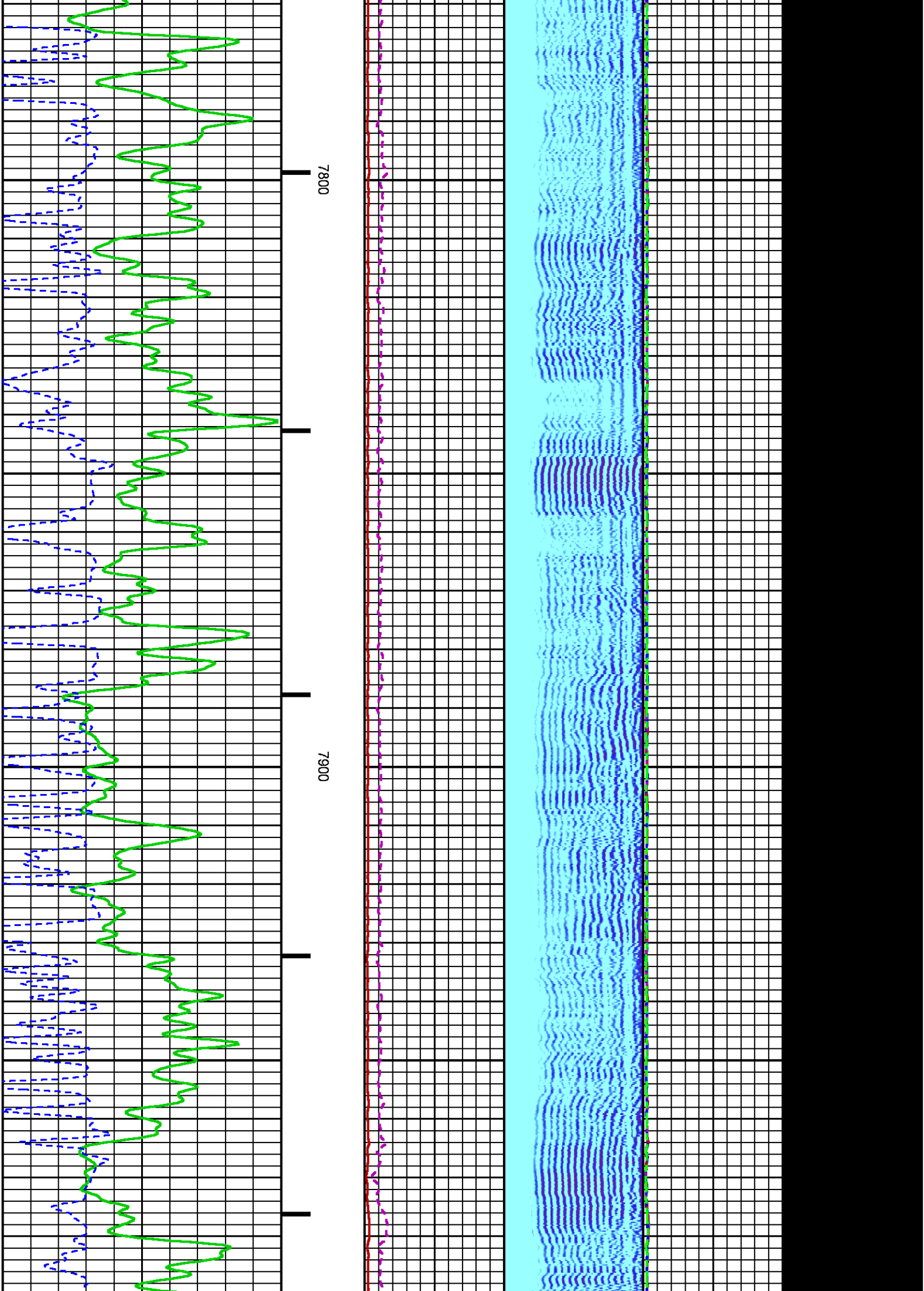


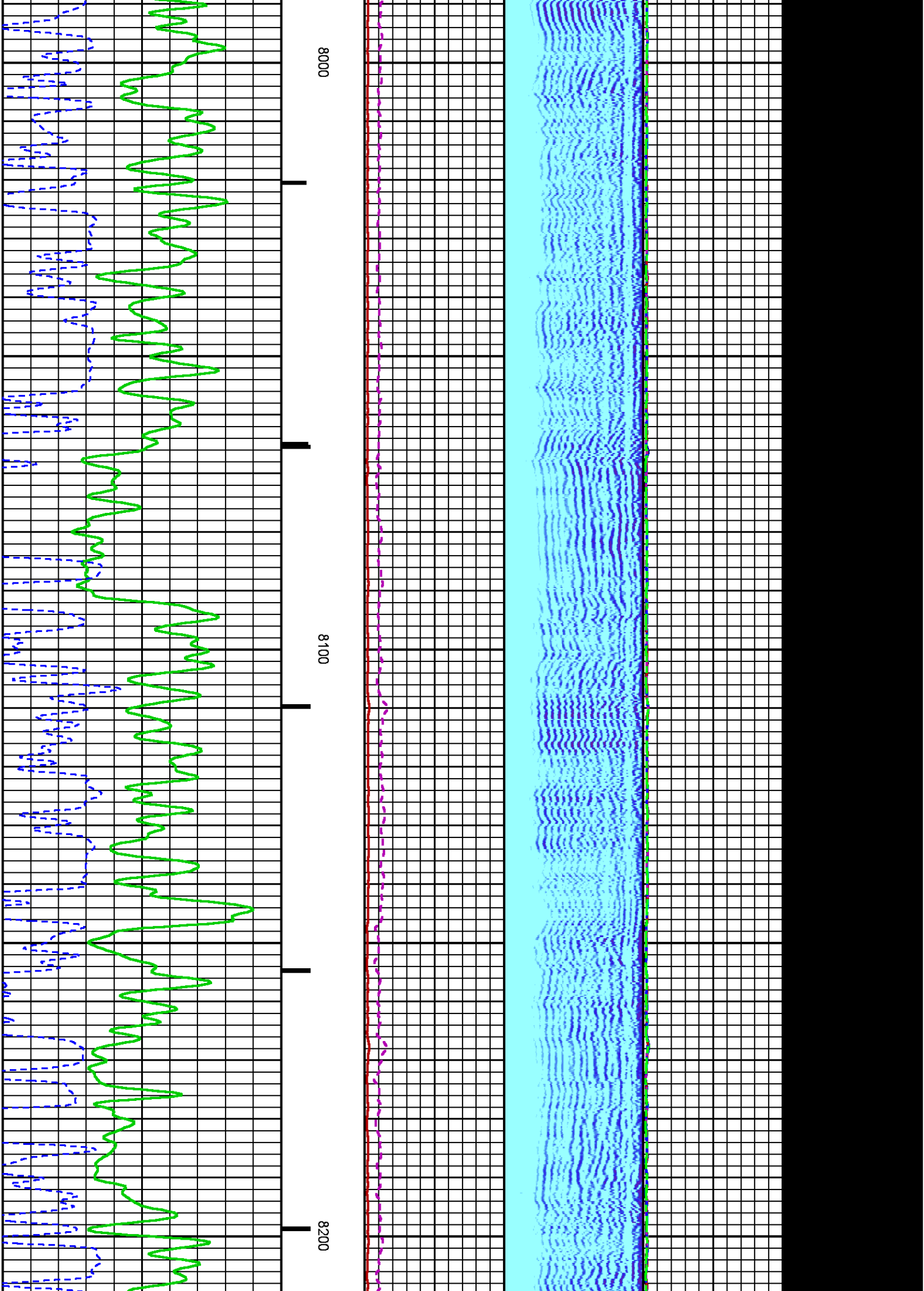


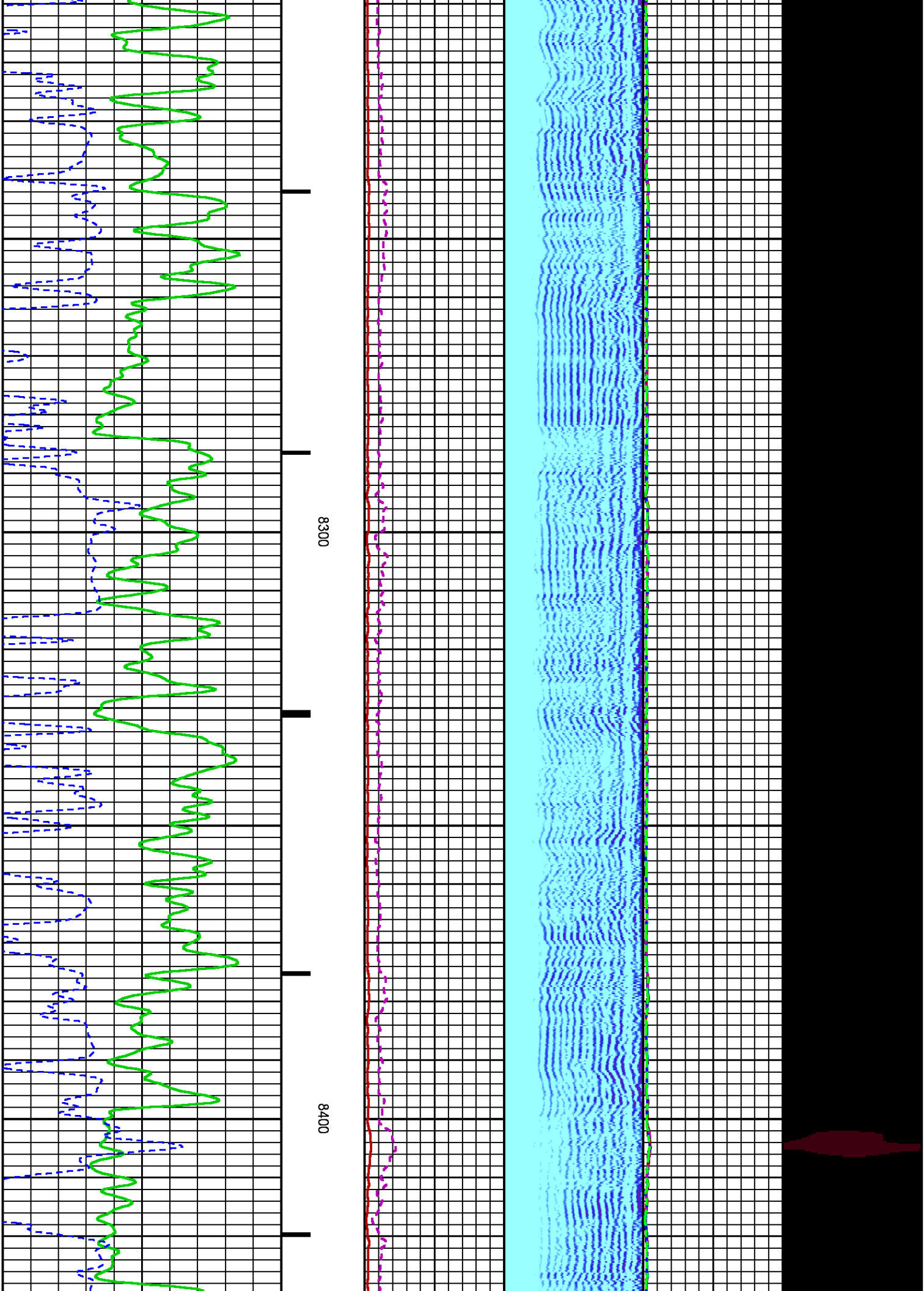


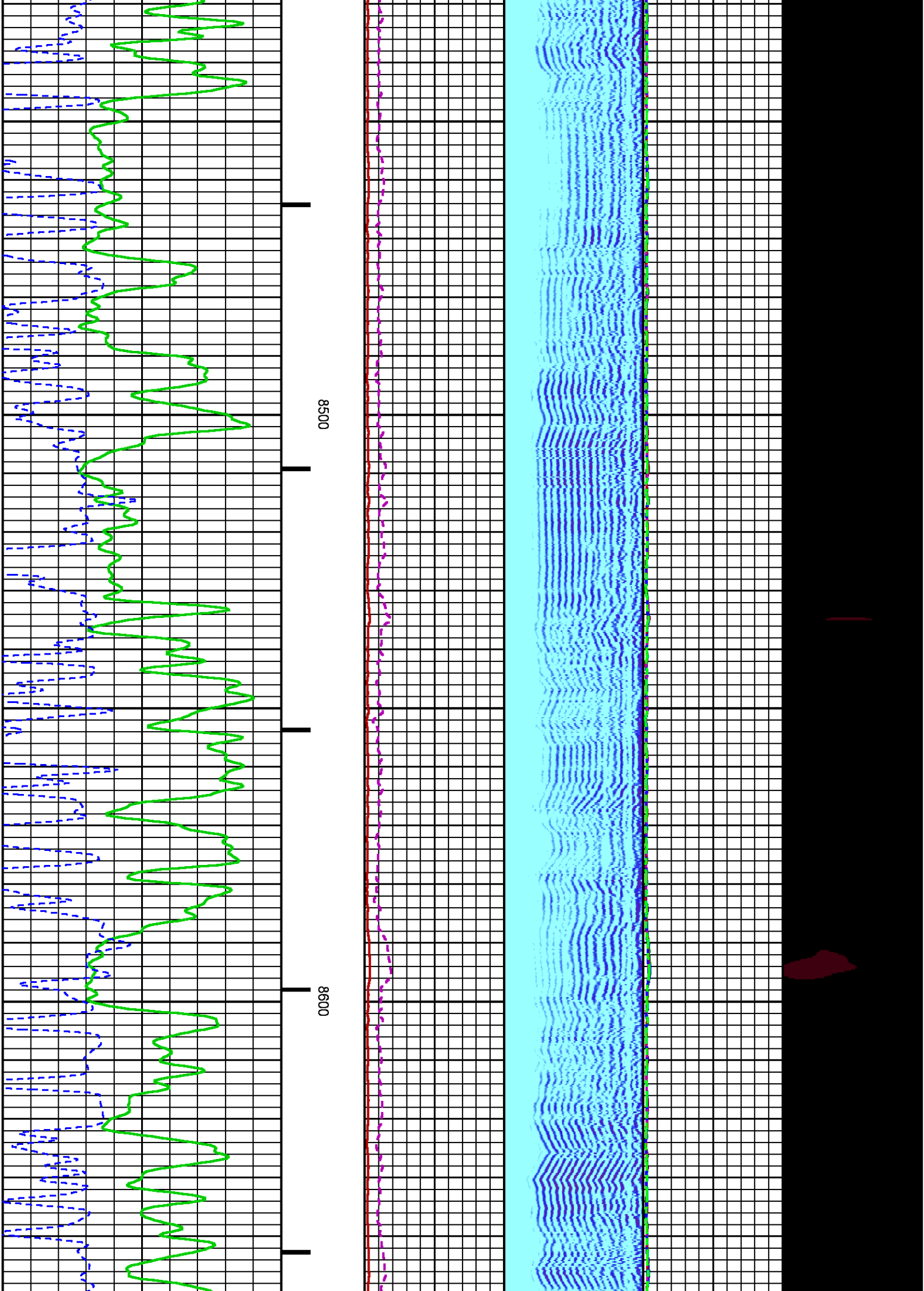






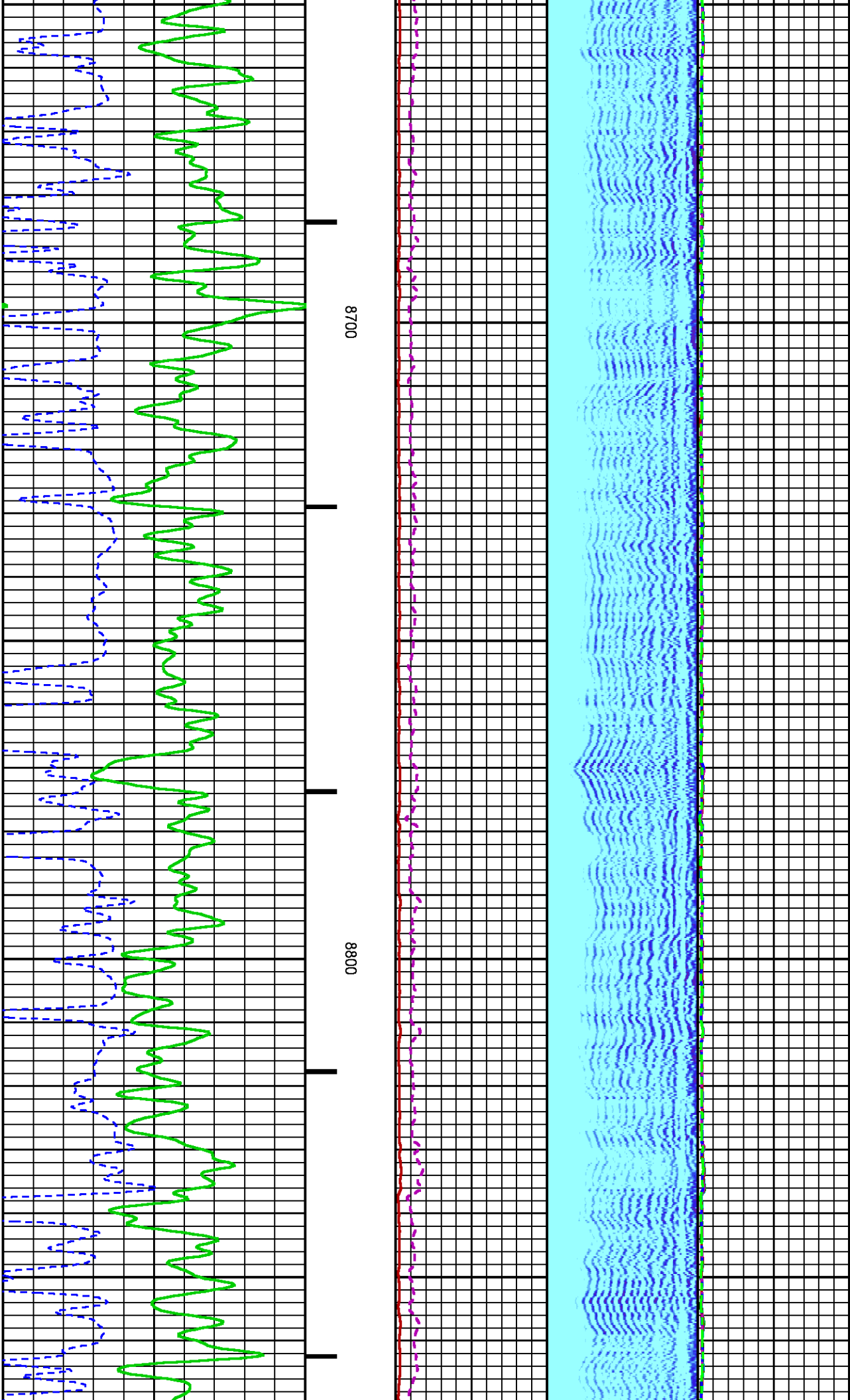


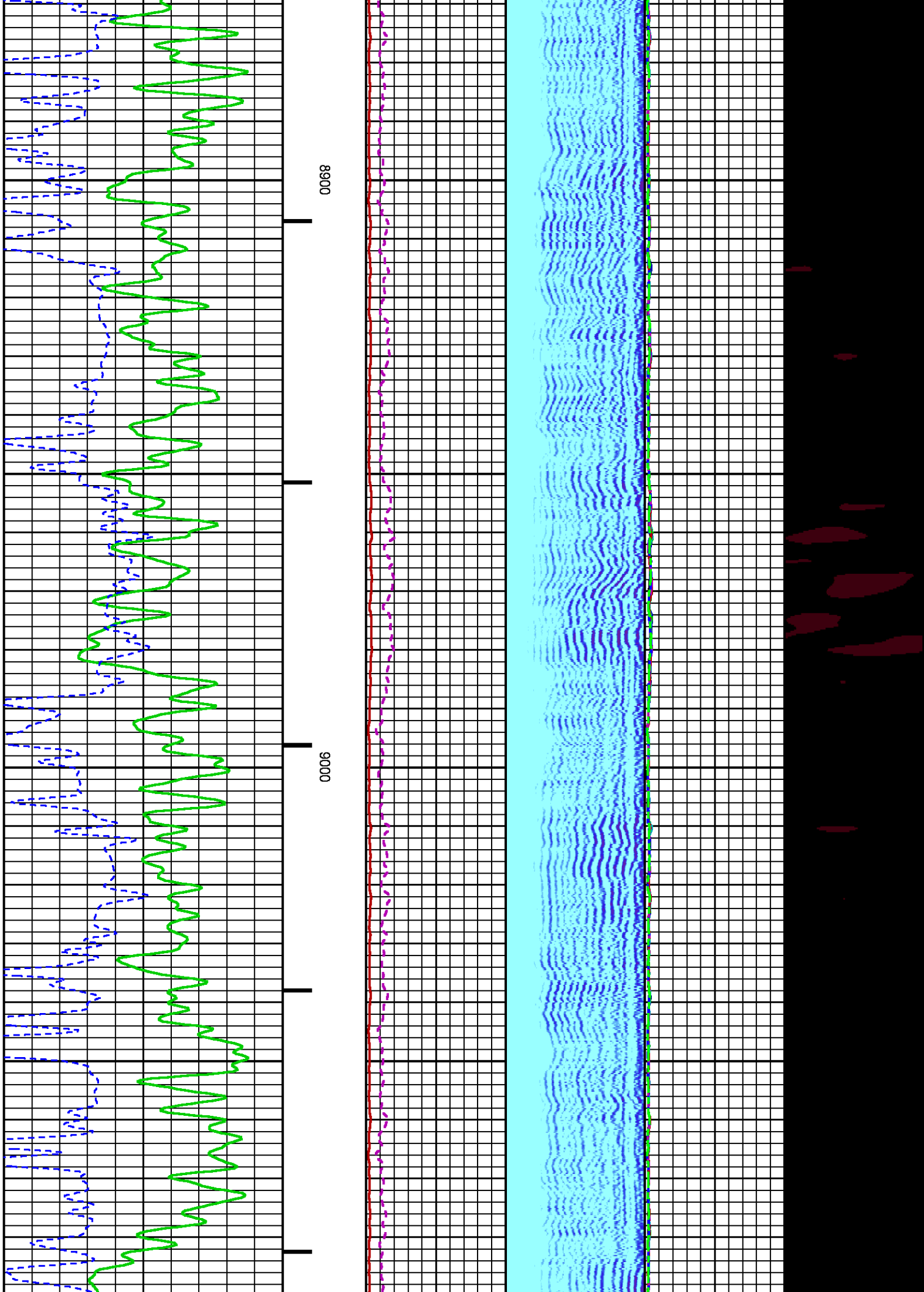


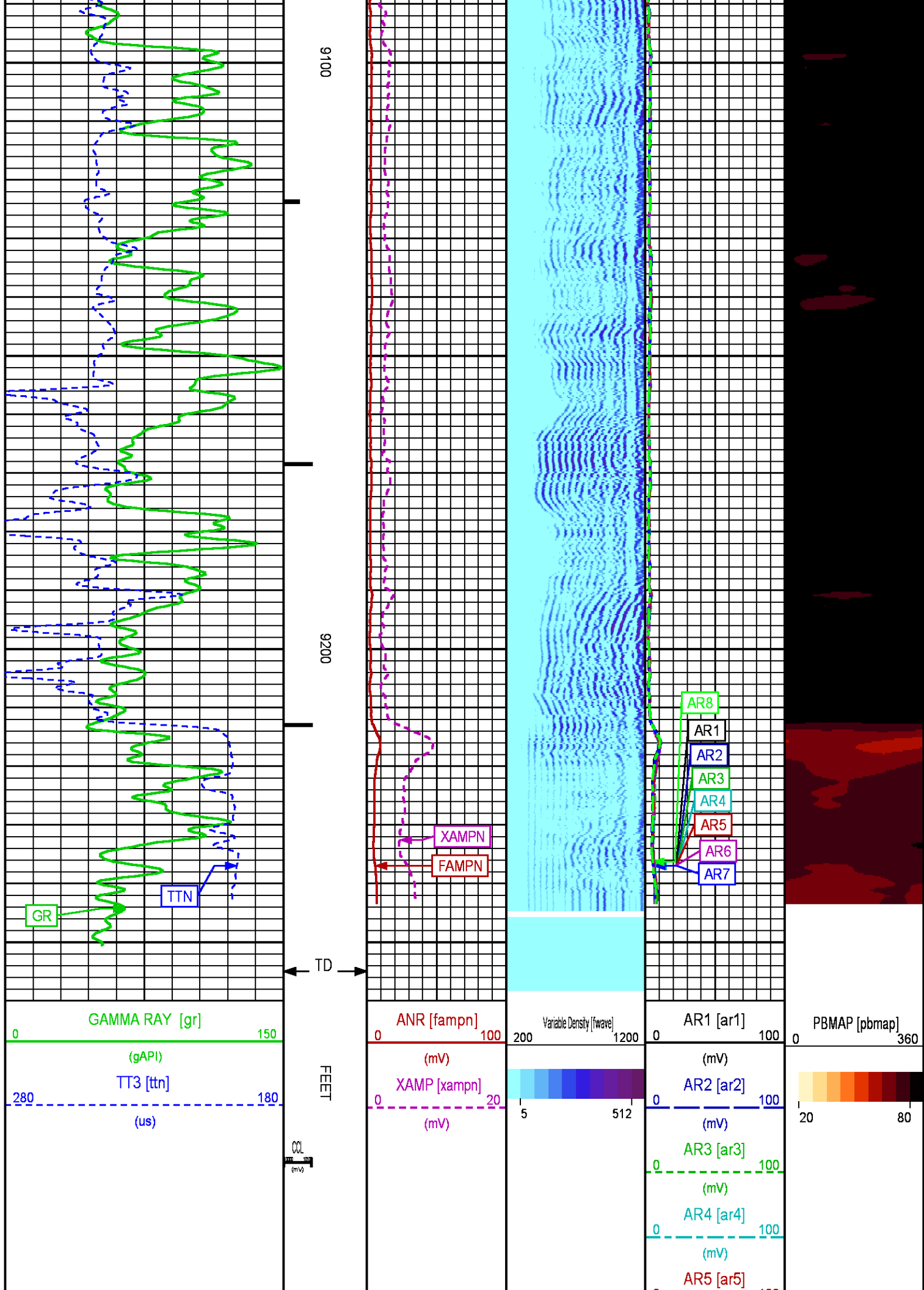


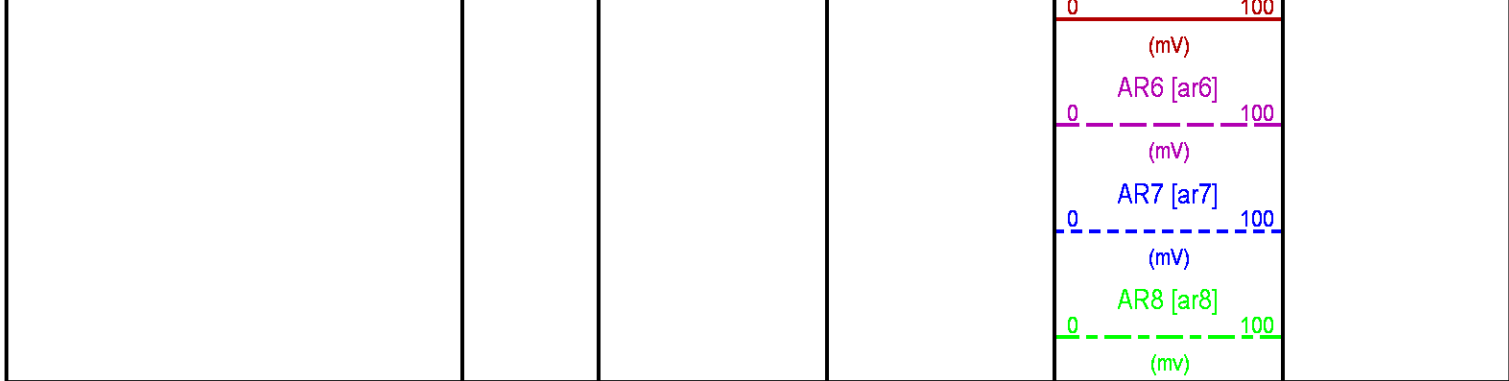


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## REPEAT PRESENTATION 0 PSI

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

Updates: 1 Patches: 1

Plotted: Thu Jul 17 16:42:57 2014

### PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/88405/n012e01.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 8801.250 ft BOTTOM DEPTH: 9260.068 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	n		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*)	173	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*)	-73	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	Jul 16 17:24:47 2014	CASING COLLAR LOCATOR
F1:FAMPN	Jul 16 17:24:47 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 16 17:24:47 2014	FAR WAVE FORM
F1:GR	Jul 16 17:24:47 2014	GAMMA RAY
F1:TTN	Jul 16 17:24:47 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 16 17:24:47 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

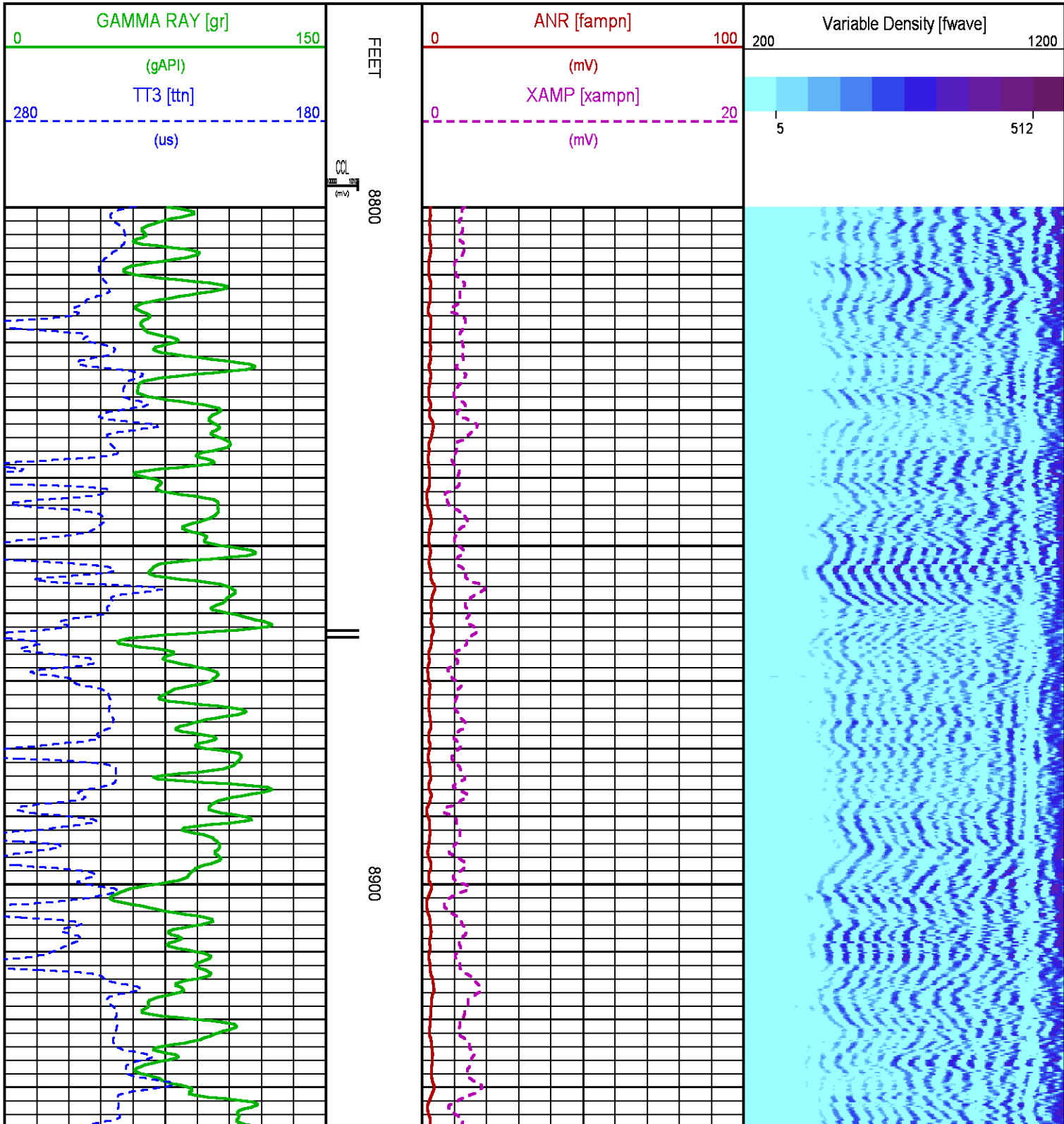


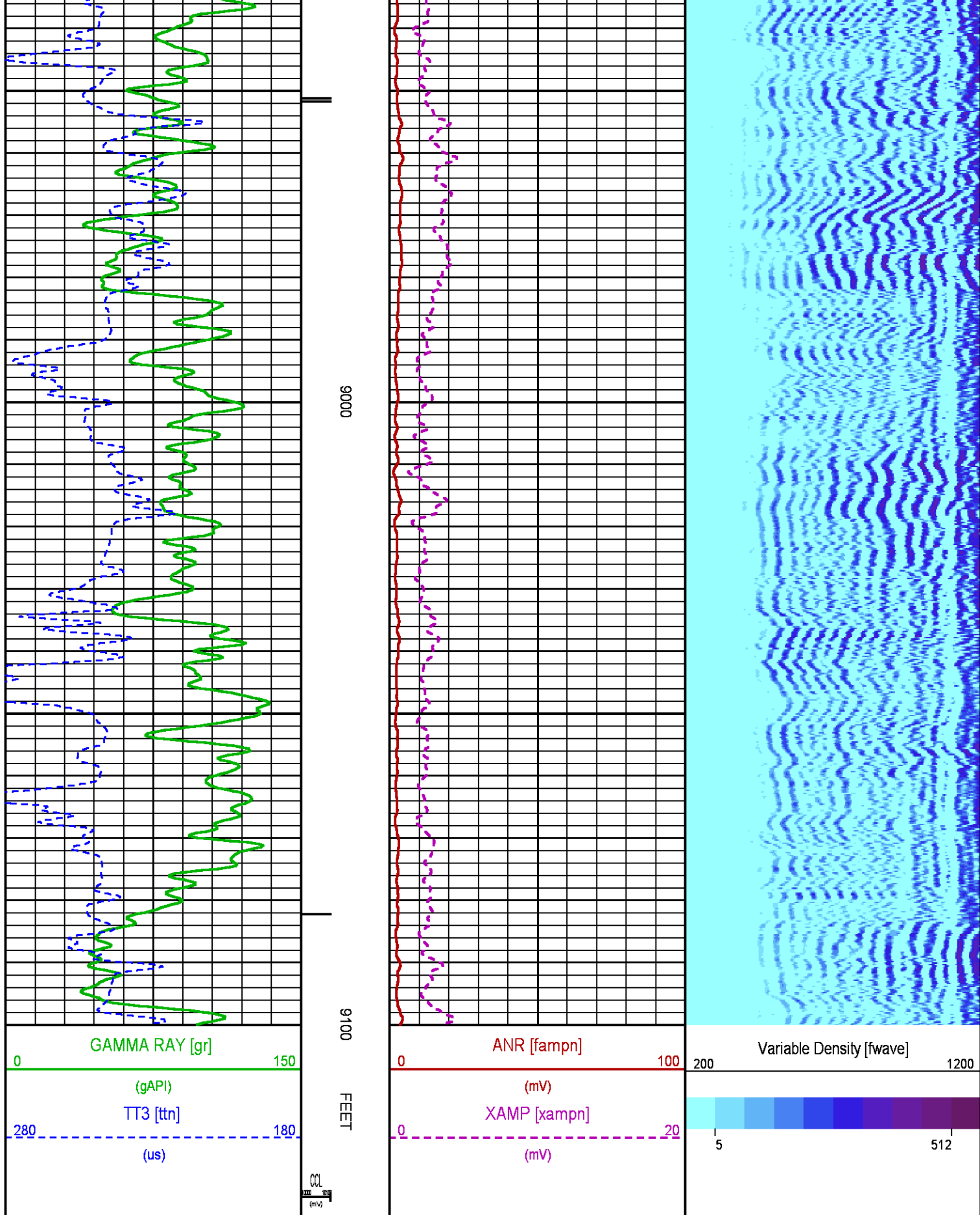
# CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

Presentation : HL6670:/dat1a/88405/CBL\_REPEAT\_PRESENTATION.fvpdf [5"/100' Scale]  
 Plot Interval : 8800 - 9100 Feet

Data File 1 : F1 : HL6670:/dat1a/88405/522\_CBL\_REPEAT.xtf  
 Created On : Jul 16 17:24:47 2014  
 Company : WPX ENERGY  
 Well : AP 522-20-695  
 Field : PARACHUTE  
 File Interval : 8790.5 - 9261.5 Feet  
 OCT : n012e





**CALIBRATION / VERIFICATION SUMMARY**

## RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10417452

DATE/TIME PERFORMED: Wed Jul 16 12:07:34 2014

UNIT #: 3880TA HL6670

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

[illegible]

## RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10417452

DATE/TIME PERFORMED: Wed Jul 16 16:45:05 2014

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	0.00	0.00	0.00	-0.00	0.01	0.00	0.00	0.00	-0.00	0.03	0.00
AMP AIR	1.59	1.35	1.64	1.54	1.46	1.56	1.44	1.28	1.33	2.75	100.07

SHOP M FACTOR	SHOP A FACTOR	WIRELINER FACTOR
0.30	0.00	1.00

## GR PRIMARY CALIBRATION SUMMARY

TOOL #: 2459XA 10218504

DATE/TIME PERFORMED: Wed Jul 16 12:12:47 2014

UNIT #: 3880TA HL6670

CALB JIG #: 4702NK DA-041

	BACKGROUND	CALBRTR ON	CR DIFF	MULT	BACKGROUND	CALBRTR ON	CALBRTR
	(cts)	(cts)	(cts/s)		(gAPI)	(gAPI)	(gAPI)
GR	92.44	339.42	247.0	0.749	69.25	254.25	185

## GR PRIMARY VERIFICATION SUMMARY

TOOL #: 2459XA 10218504

DATE/TIME PERFORMED: Wed Jul 16 12:14:05 2014

UNIT #: 3880TA HL6670

VERI JIG #: 4702NK DA-041

	BACKGROUND CALBRTR ON		MULT	BACKGROUND CALBRTR ON		DIFF.
	(cts)	(cts)		(gAPI)	(gAPI)	(gAPI)
GR	97.07	335.60	0.749	72.71	251.38	178.67
						175.00 195.00

# INSTRUMENT CONFIGURATION

Source File: /dat1a/88404/CBL-tdg

## CABLEHEAD

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

## RADIAL BOND TOOL

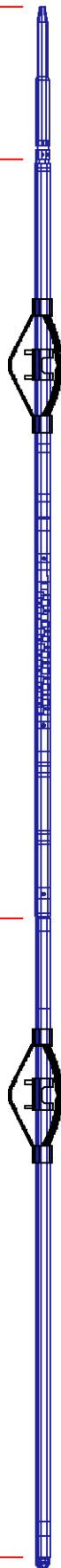
Diameter : 2.75"  
Length : 11.17'  
Weight : 126 lbs  
Series : 1426XA  
Mnemonic : RAL  
Measure Point: 4.21': NEAR RCVR  
Measure Point: 3.25': FAR RCVR

## RAL NEUTRON/GR/CCL/CHV DETECTOR

Diameter : 2.75"  
Length : 9.42'  
Weight : 106 lbs  
Series : 2459XA  
Mnemonic : RAL  
Measure Point: 8.46': CCL  
Measure Point: 6.60': GR  
Measure Point: 1.21': NEU

## BULL PLUG 2 3/4

TOTAL LENGTH: 23.02'  
TOTAL WEIGHT: 258 lbs



23.02'

NEAR RCVR 13.81'

FAR RCVR 12.85'

CCL 8.65'


GR 6.79'

NEU 1.40'

0.00'



TOTAL WEIGHT: 258 LBS  
MAX DIAMETER: 0'4.00"

	COMPANY	WPX ENERGY		FILE NO:	
	WELL	AP 522-20-695			CH088405
	FIELD	PARACHUTE		API NO:	
	COUNTY	GARFIELD	STATE	CO	05045213940000
	LOCATION:			ELEVATIONS:	20 6S 95W
	SHL: 91' FNL & 2501' FWL			KB 6935 FT	AP 21-20-695 PAD
	BHL: 2442' FNL & 1181' FWL			DF	NABORS 573
	SEC 20	TWP 6S	RGE 95W	GL 6909 FT	
				DATE	16-Jul-2014

