



FILE NO:  
US093866

COMPANY  
WELL

WPX ENERGY ROCKY MTN LLC  
FEDERAL PA 333-27

API NO:  
05045223360000

FIELD  
COUNTY

PARACHUTE  
GARFIELD

STATE

CO

Ver. 3.87

S27 T6S R95W

PAD: DOE 2-W-27

RIG: NABORS 576

LOCATION:

SHL: 2367' FNL: 648' FEL

BHL: 2314' FSL: 1840' FEL

OTHER SERVICES  
RPM

SEC 27 TWP 6S RGE 95W

PERMANENT DATUM

GL ELEVATION 5856 FT

LOG MEASURED FROM KB 26 FT ABOVE P.D.

ELEVATIONS:

KB 5882 FT

DF

GL 5856 FT

DRILL. MEAS. FROM KB

DATE	08-Jan-2015
RUN	TRIP 1
SERVICE ORDER	CH093866
DEPTH DRILLER	8498 FT
DEPTH LOGGER	8472 FT
BOTTOM LOGGED INTERVAL	8462 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	0800
TIME FINISHED	12:00
OPERATOR RIG TIME	4 HR
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	80 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	58 F/MN
MAX. RECORDED TEMP.	218 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	6670
LOCATION	GRAND JCT
RECORDED BY	D SMITH
WITNESSED BY	J DUCY

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	2799 FT
8.75 IN	2799 FT	8498 FT

#### CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN	36 LB/F		0 FT	2799 FT
4.5 IN	11.6 LB/F	P-110	0 FT	8498 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 -3.0 FT

Logged with zero PSI at wellhead.

BHT = 218

SJ = 4979' TO 5001'

THANK YOU FOR CHOOSING BAKER HUGHES WIRELINE SERVICES

## EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10154957	CENTRALIZED
1	1	GR	2459XA	10124121	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: 4

Plotted: Sat Jan 10 16:08:44 2015

## PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093866/n012e04.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 35.250 ft BOTTOM DEPTH: 6252.250 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*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-72	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

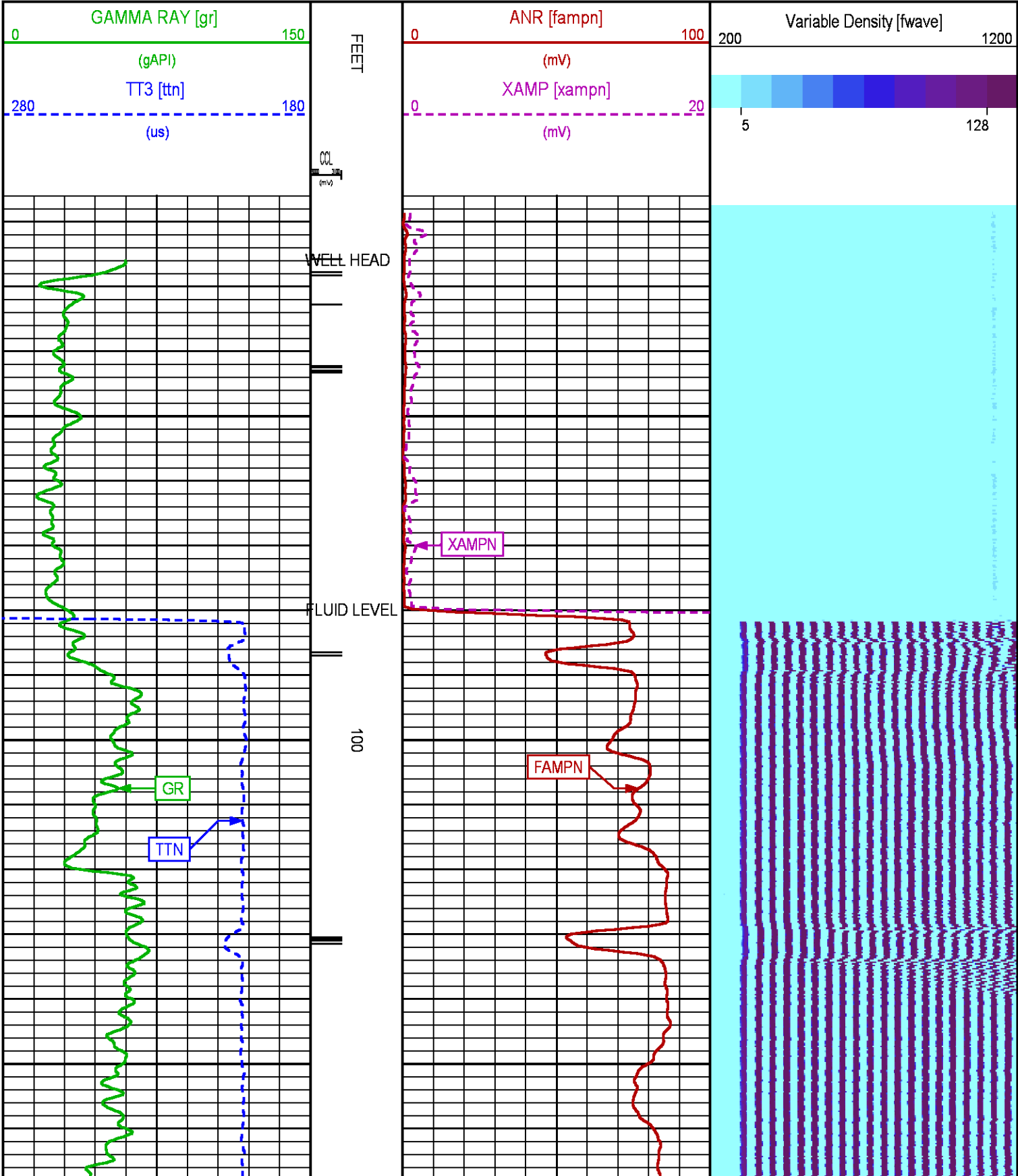
## CURVE DESCRIPTION REPORT

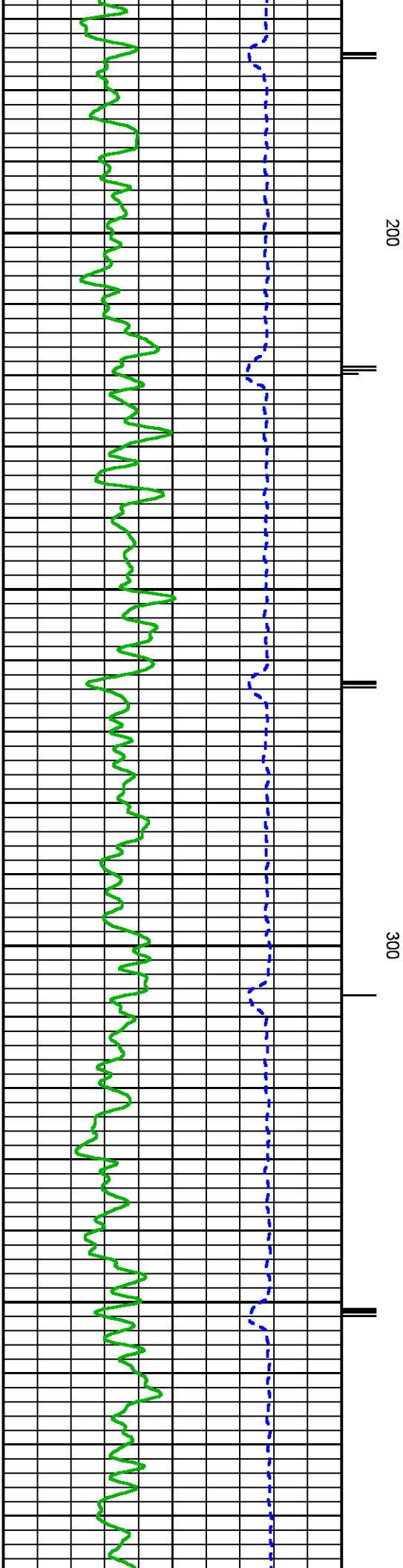
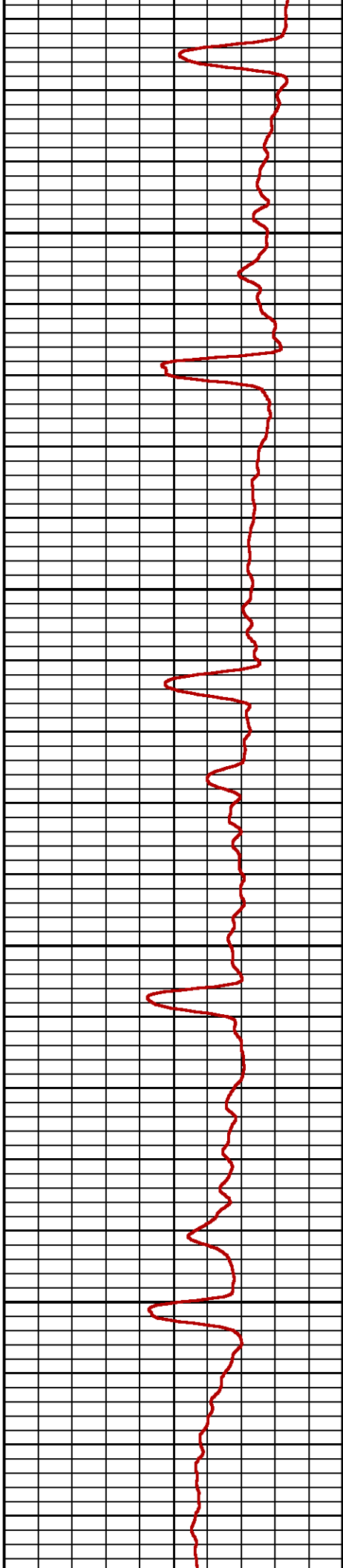
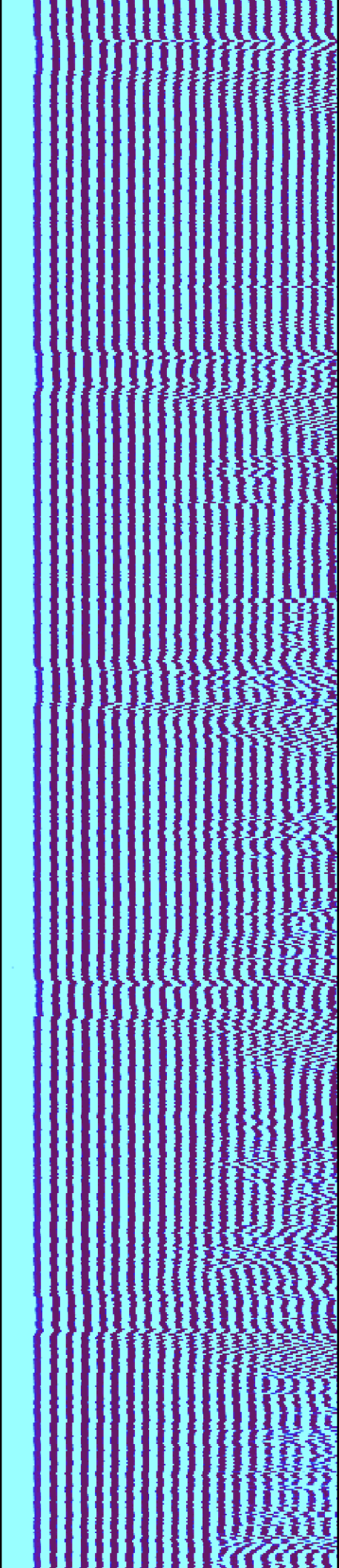
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jan 8 10:09:22 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 8 10:09:22 2015	FAR WAVE FORM
F1:GR	Jan 8 10:09:22 2015	GAMMA RAY
F1:TTN	Jan 8 10:09:22 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

## CURVE MEASURE POINT OFFSET

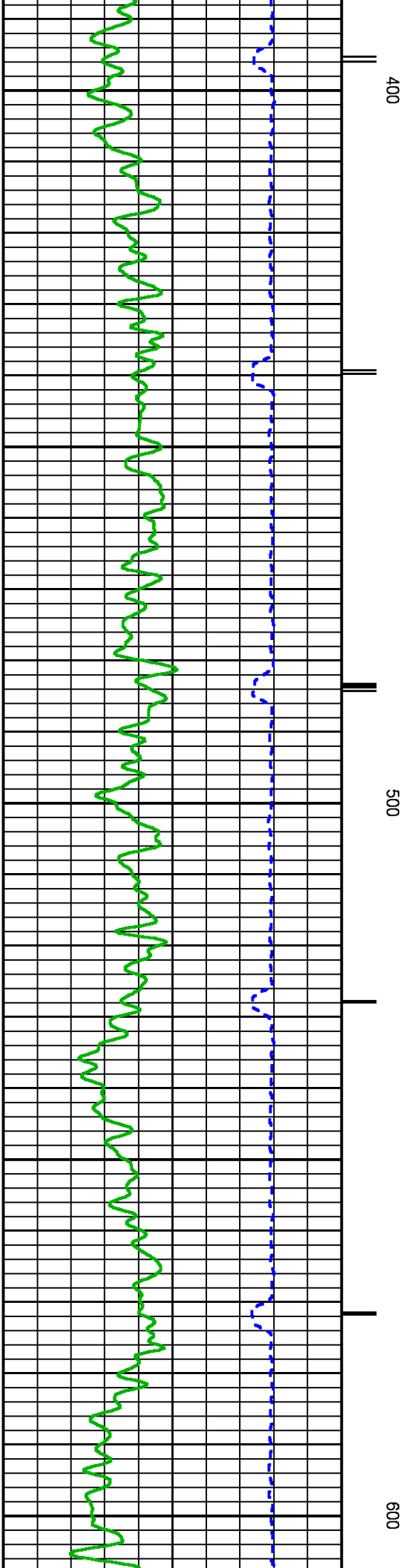
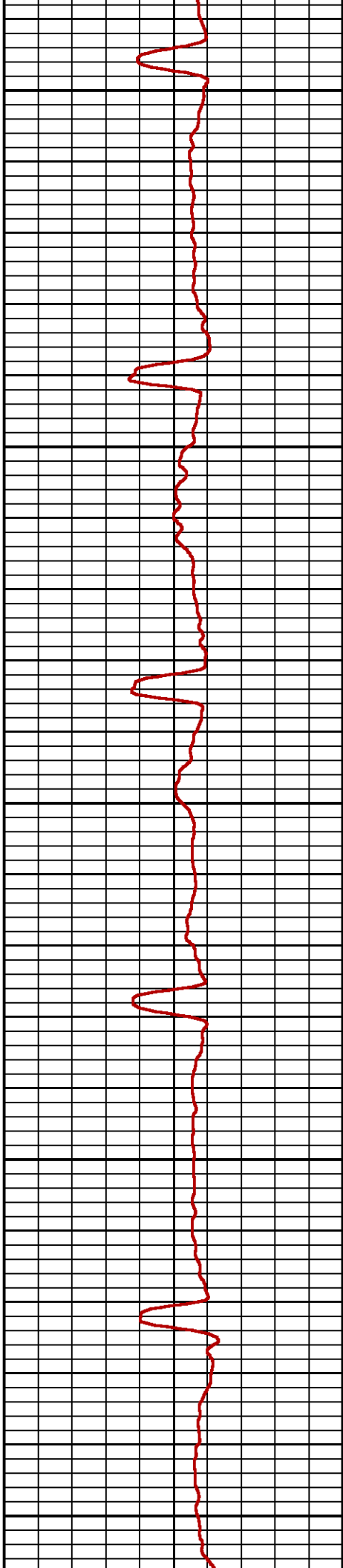
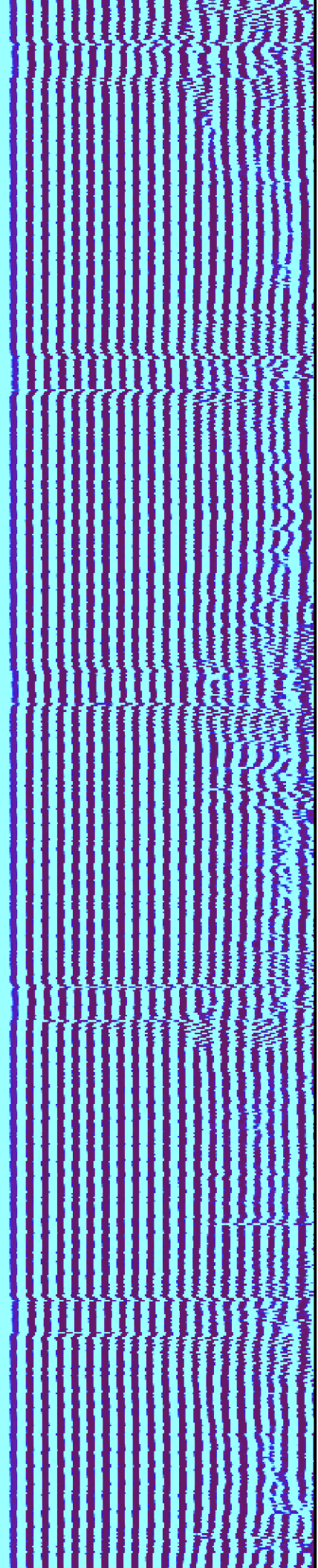
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		

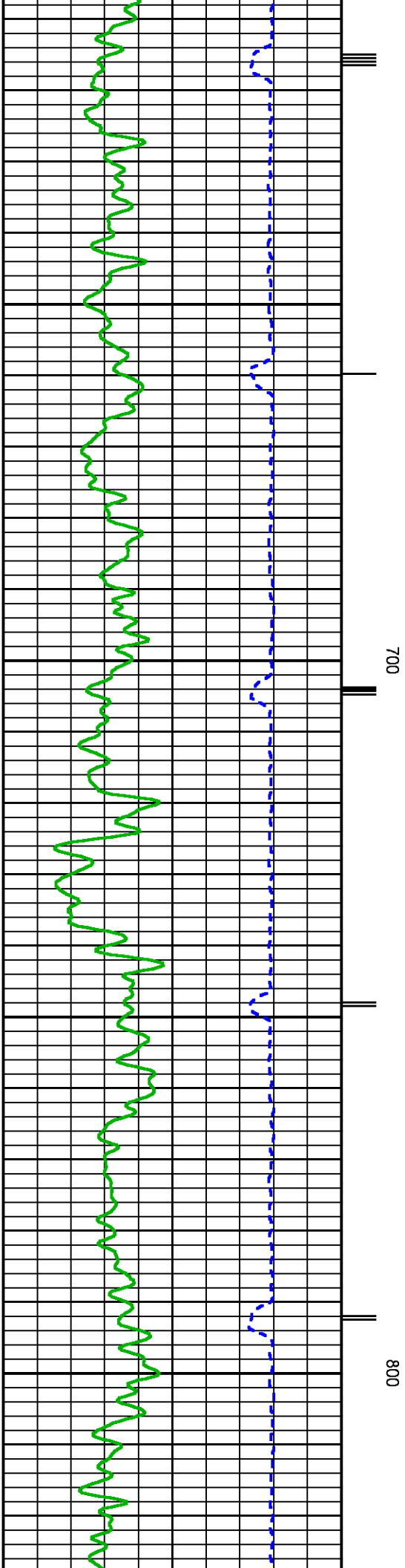
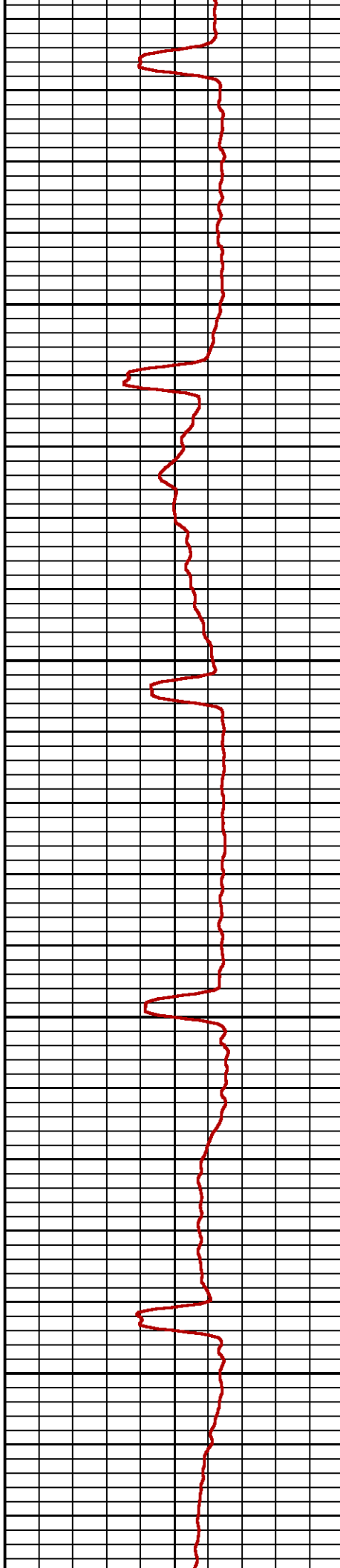
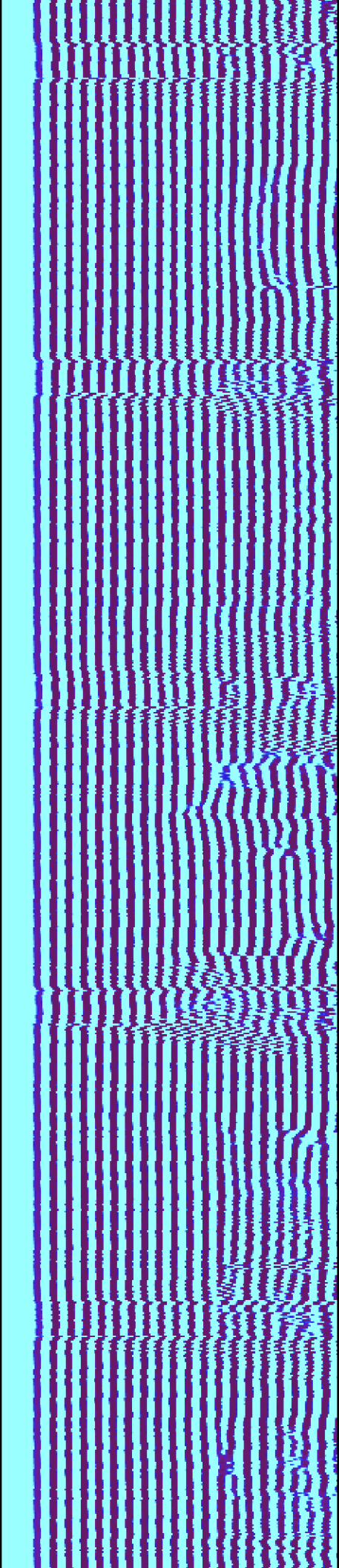
FAMPN	13.75	GR	13.75	FAMPN	13.75
Presentation : HL6670:WPX_CBL_PRIMARY_PRESENTATION.fvpdf [5"/100' Scale] Plot Interval : 17.5 - 8480 Feet  Data File 1 : F1 : HL6670:/dat1a/CH093866/n012esFINAL.xtf Created On : Jan 8 10:09:22 2015 Company : WPX ENERGY ROCKY MTN LLC Well : FEDERAL PA 333-27 Field : PARACHUTE File Interval : 17.5 - 8484 Feet OCT : n012e					

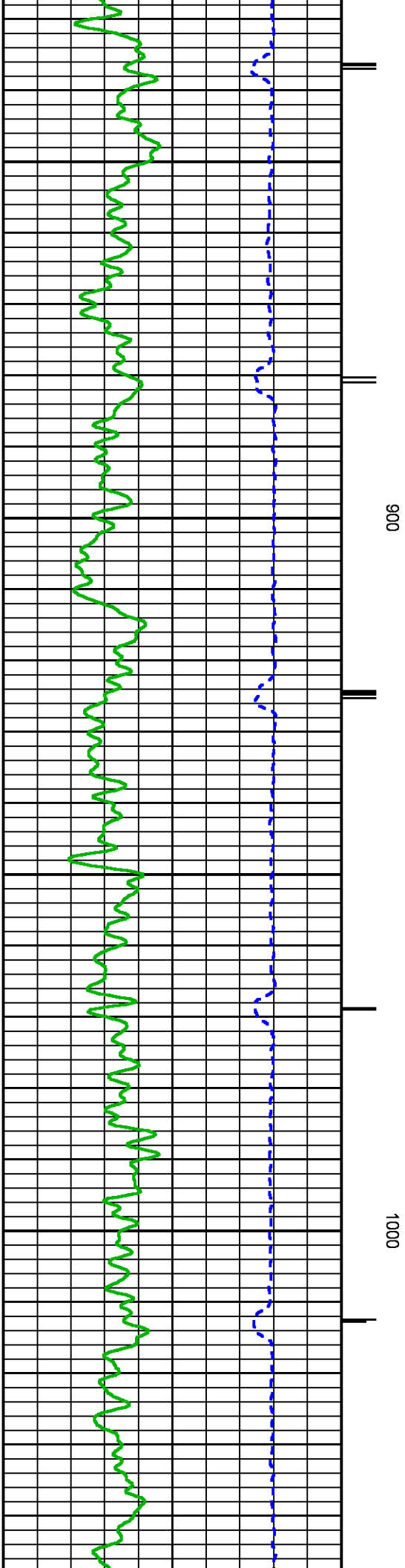
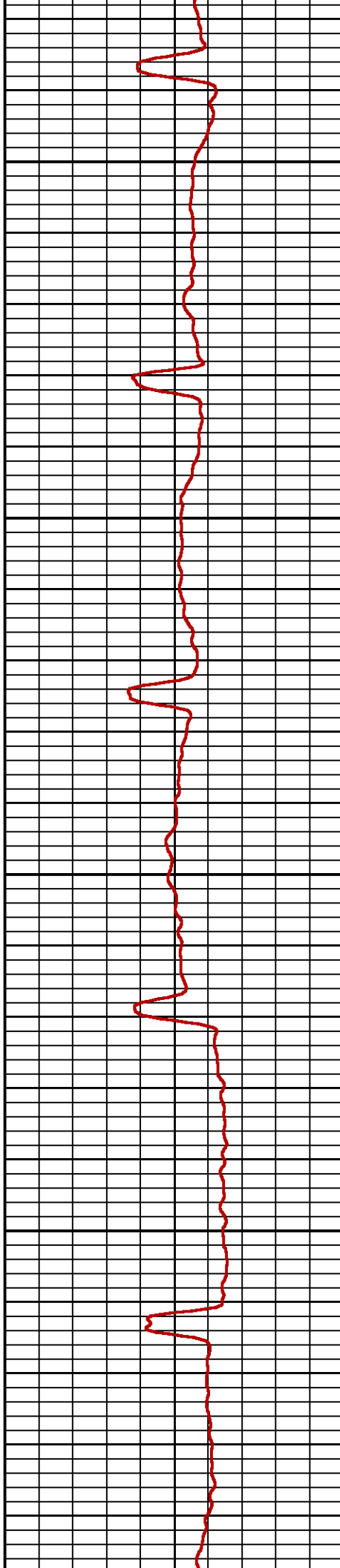
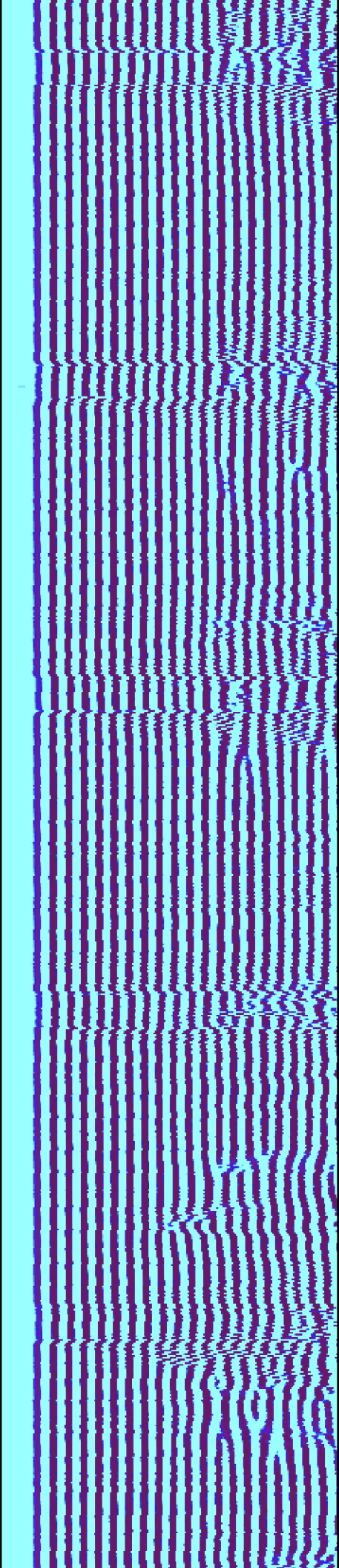


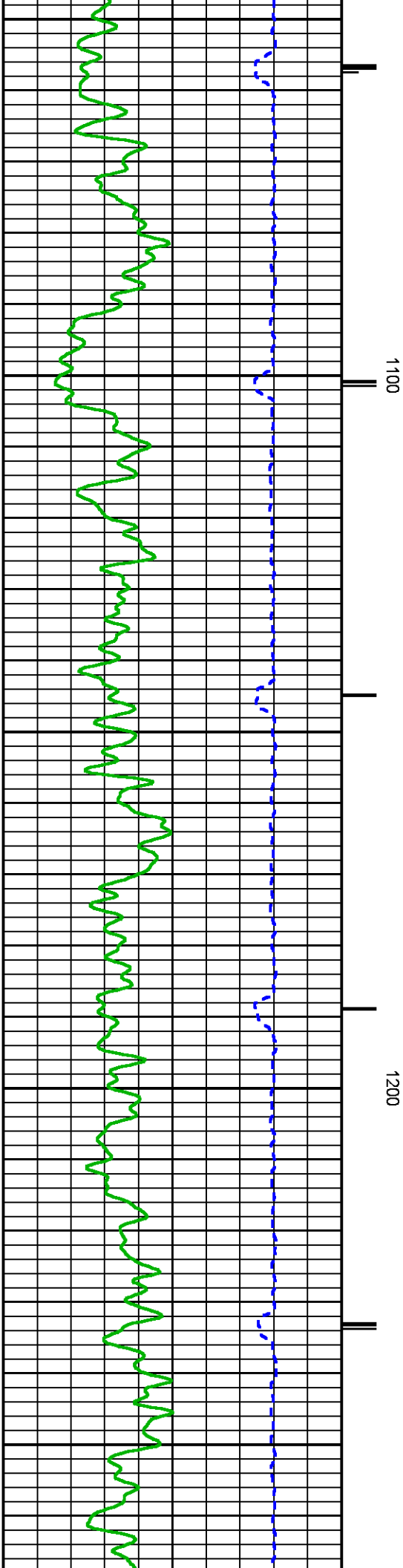
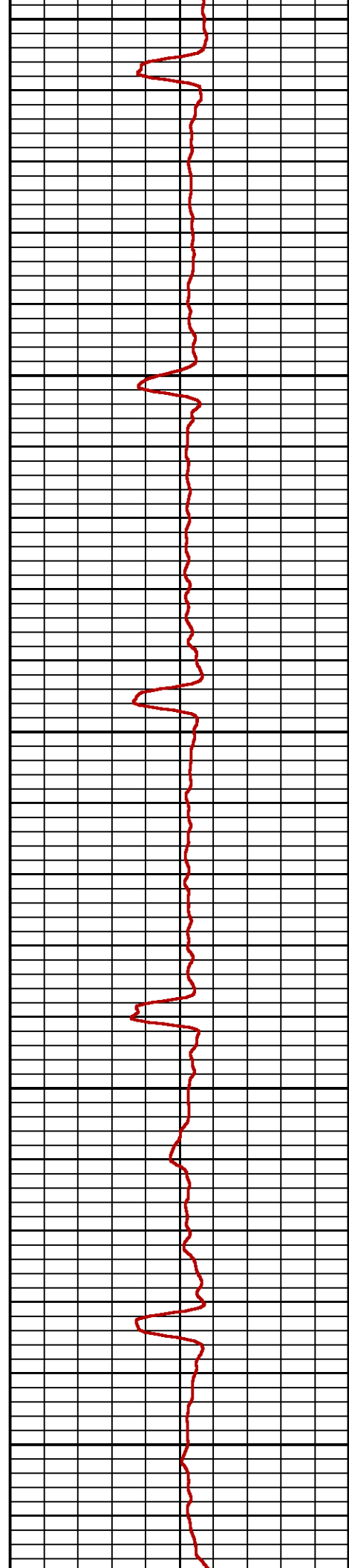
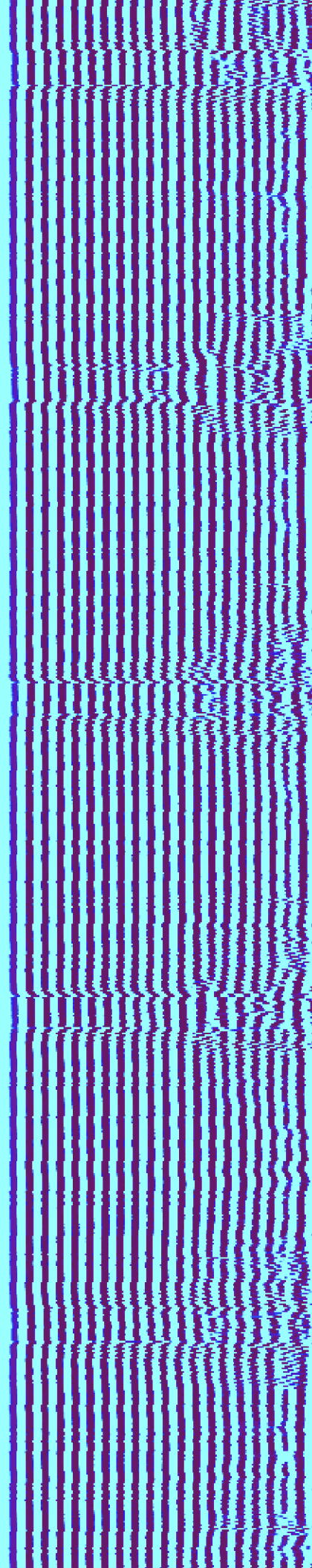




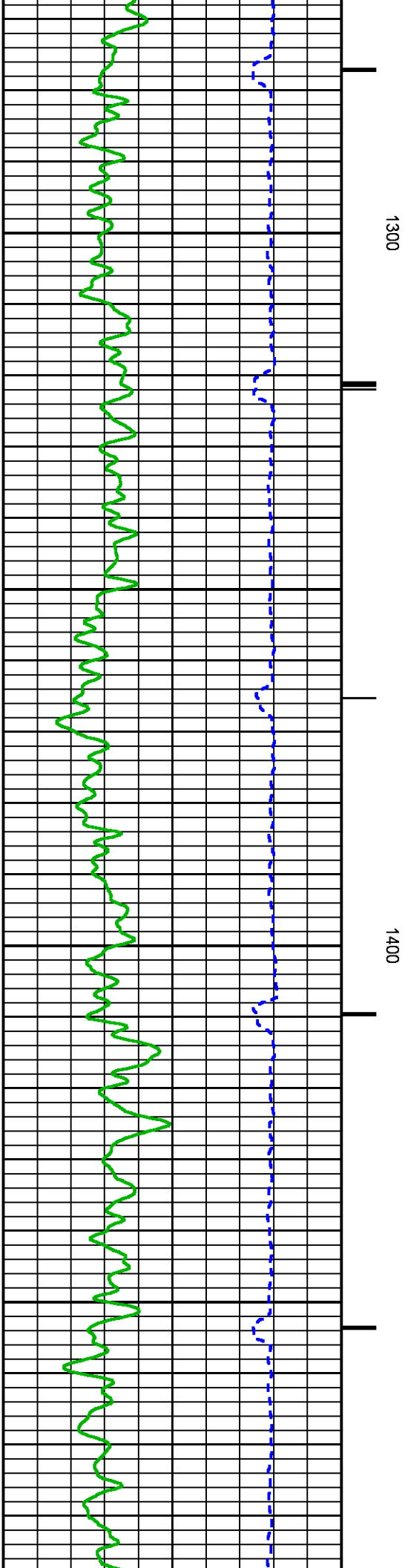
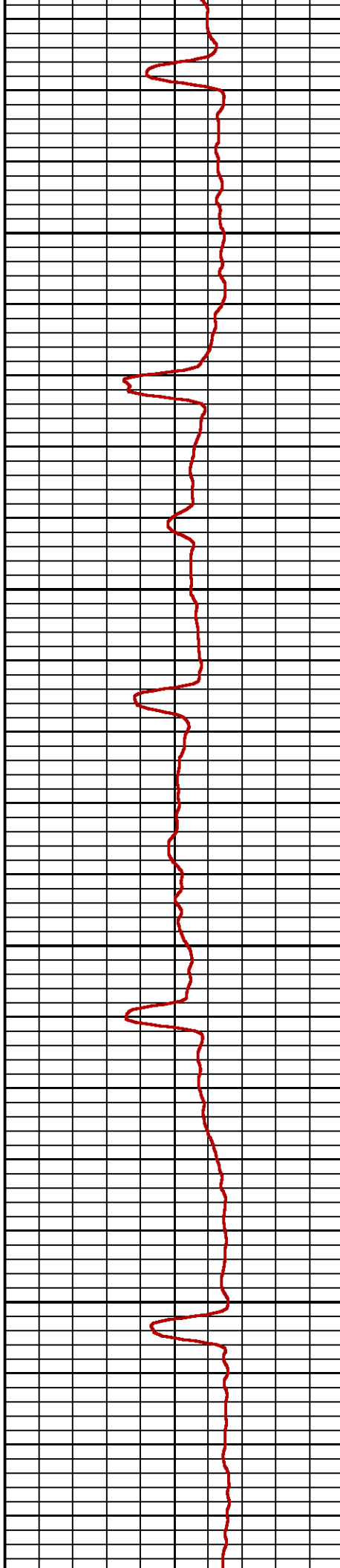
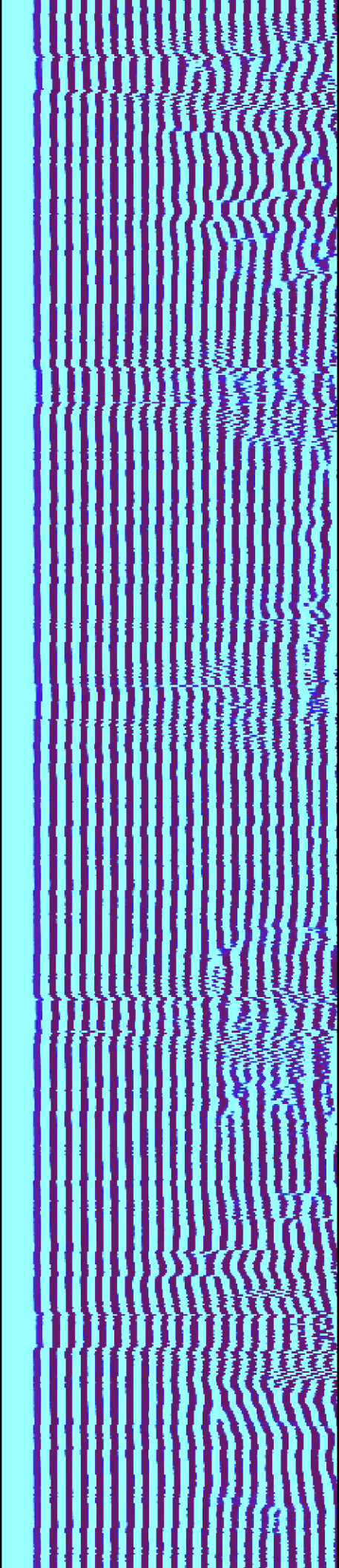


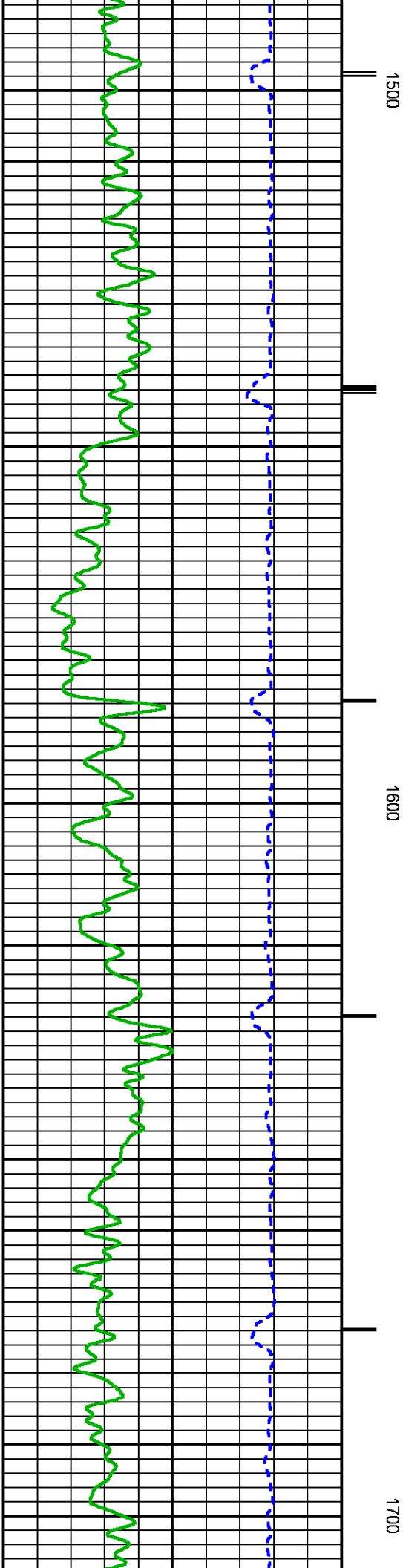
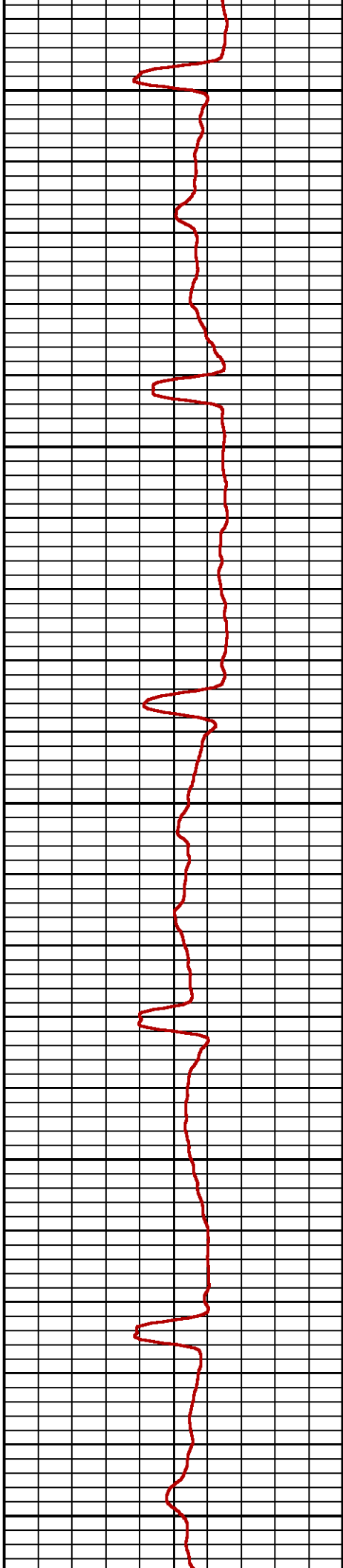
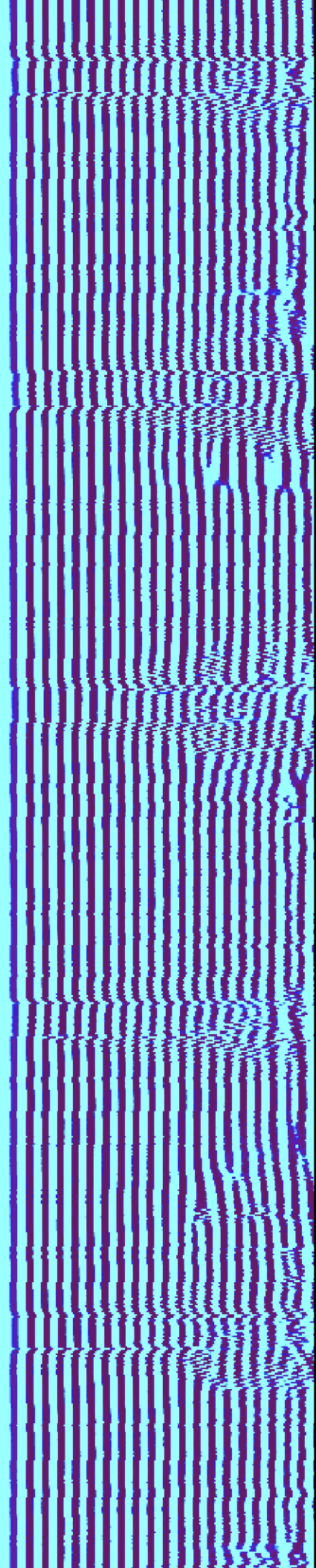


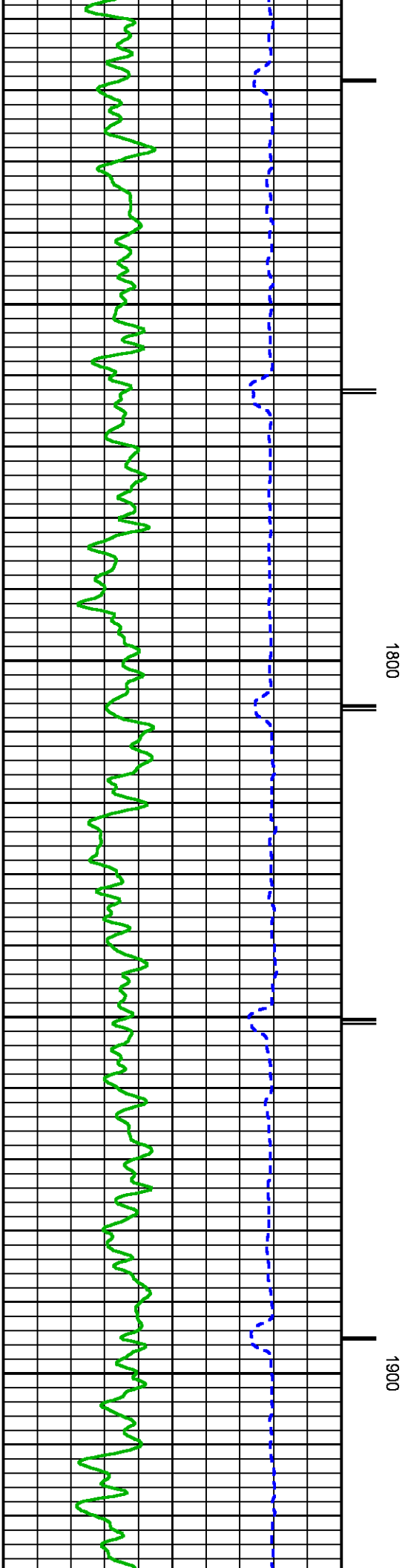
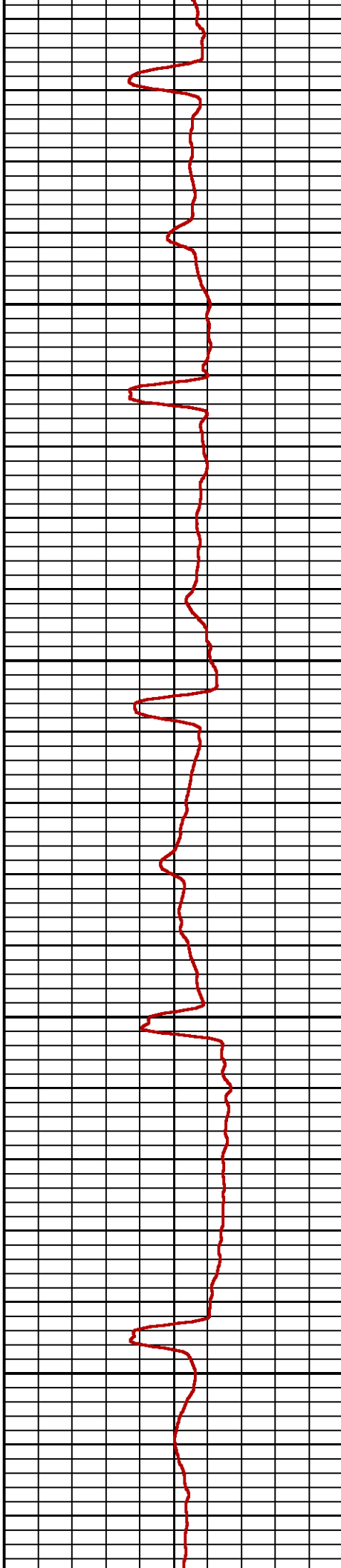
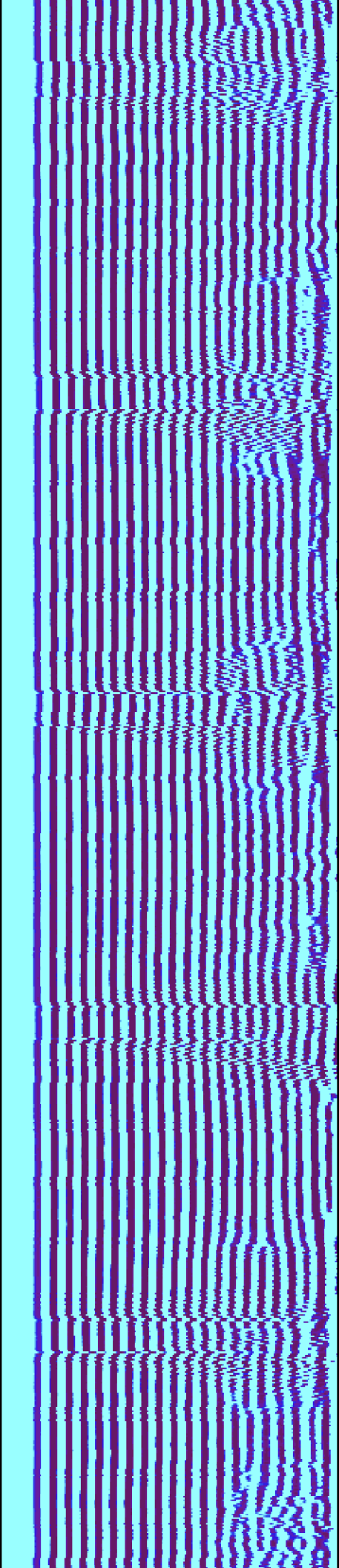




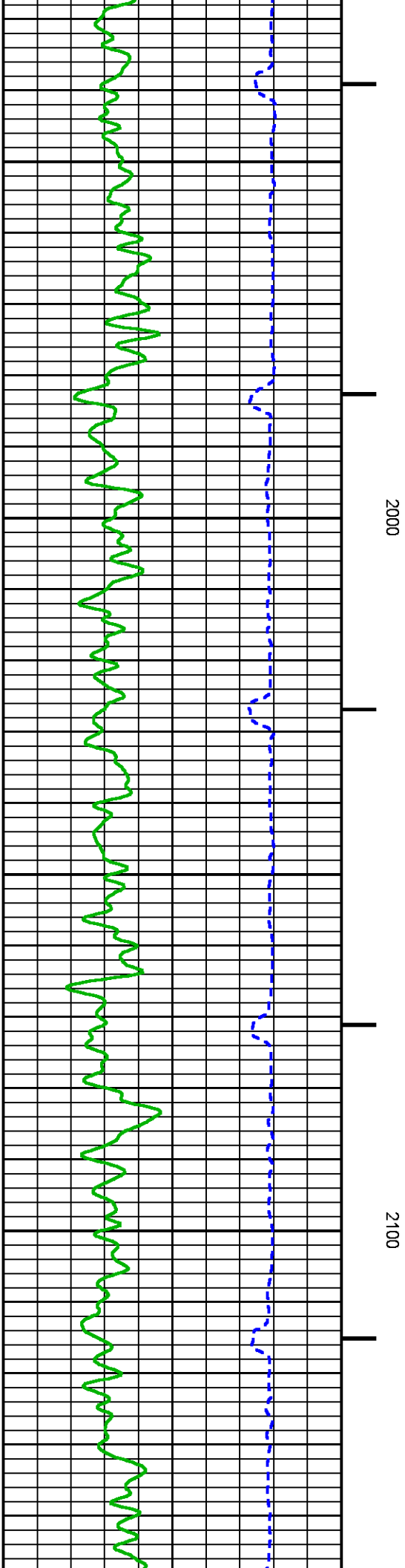
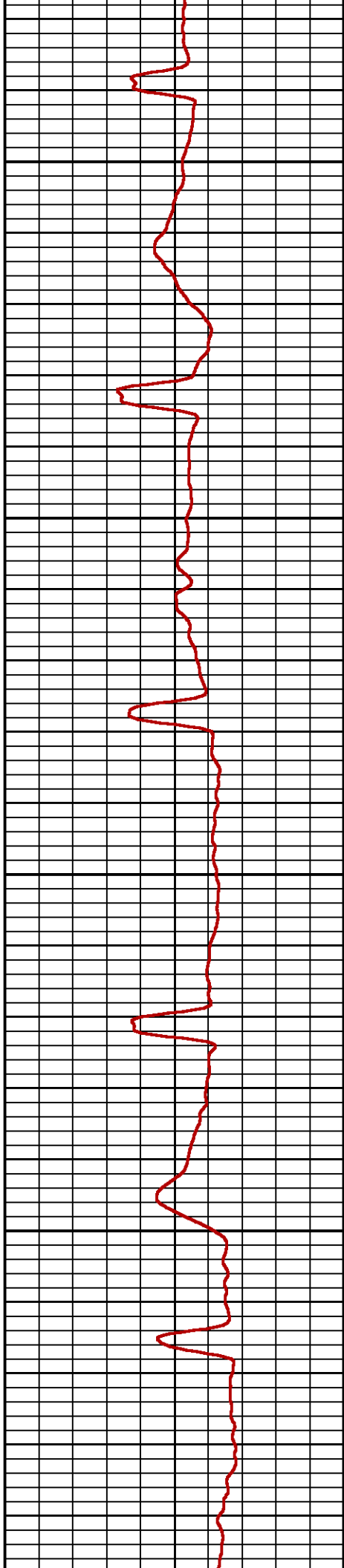
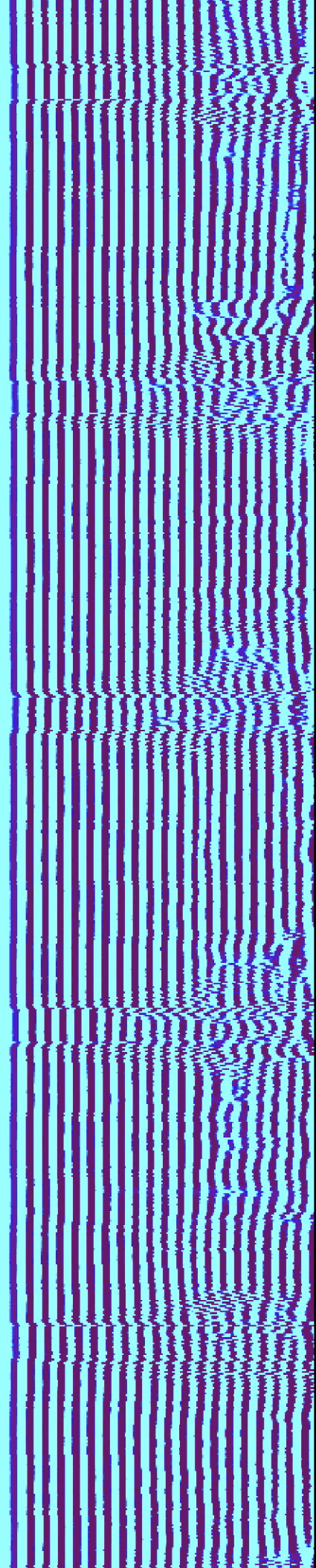


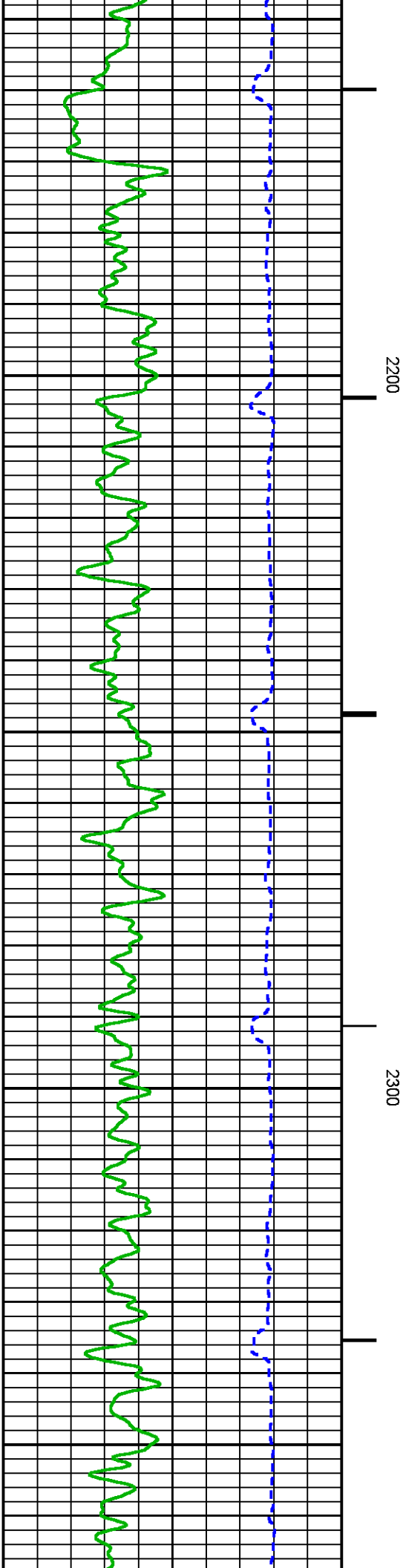
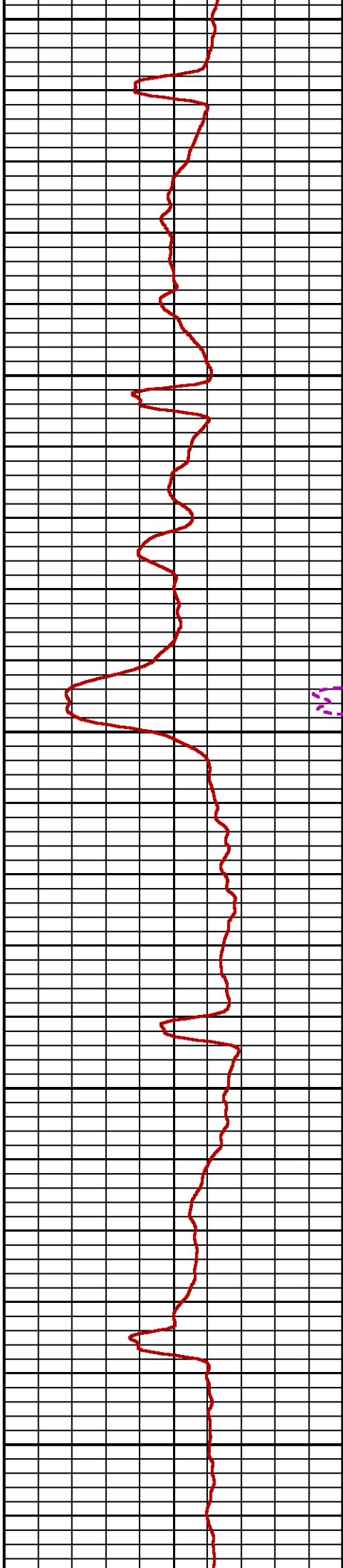
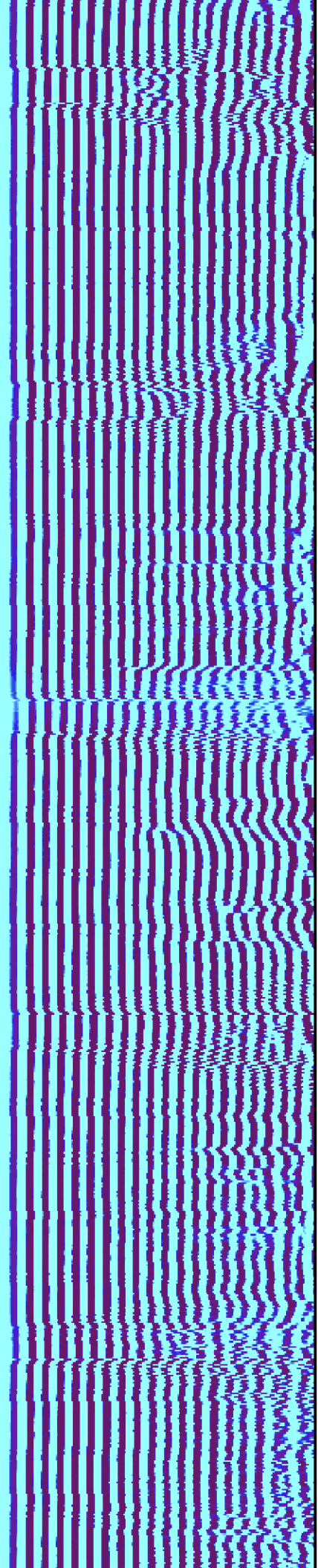


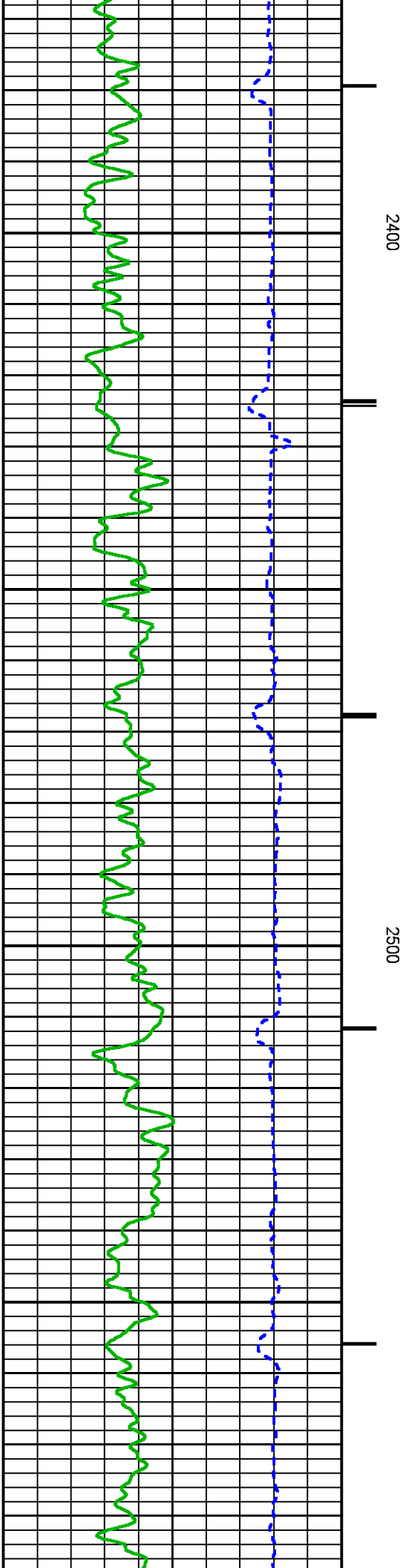
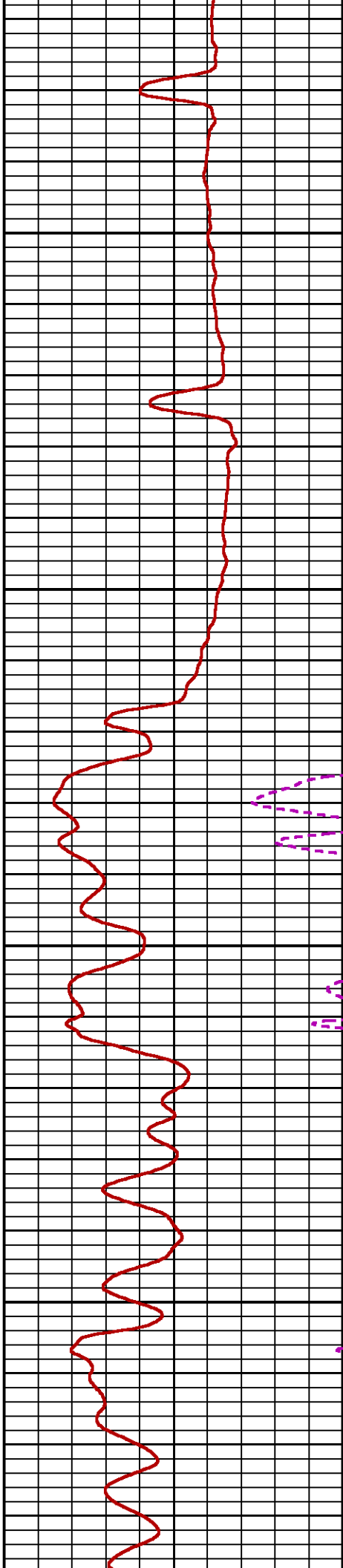
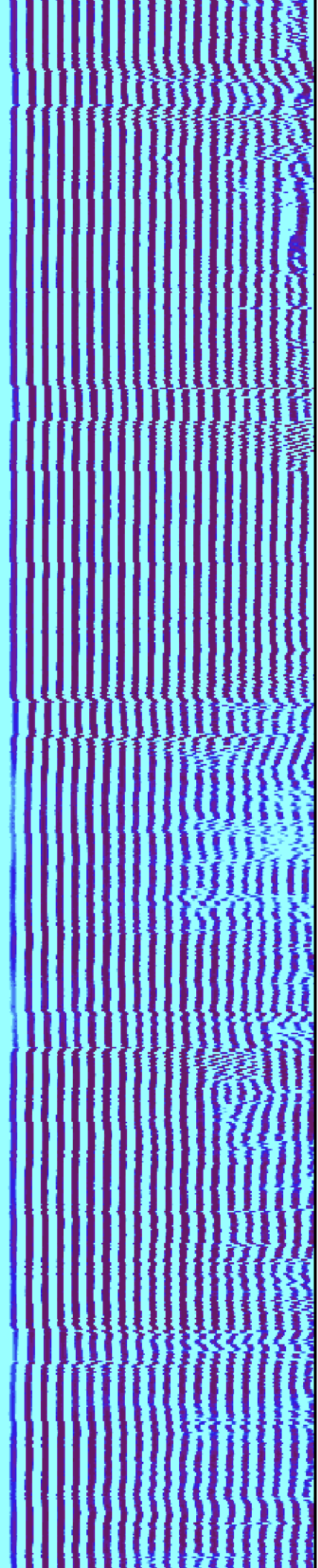


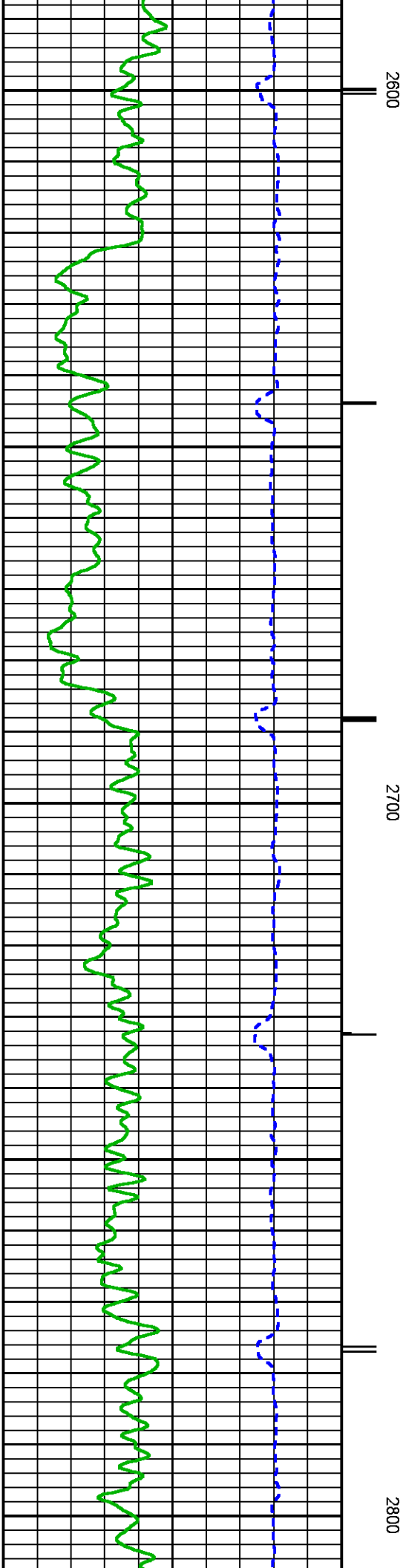
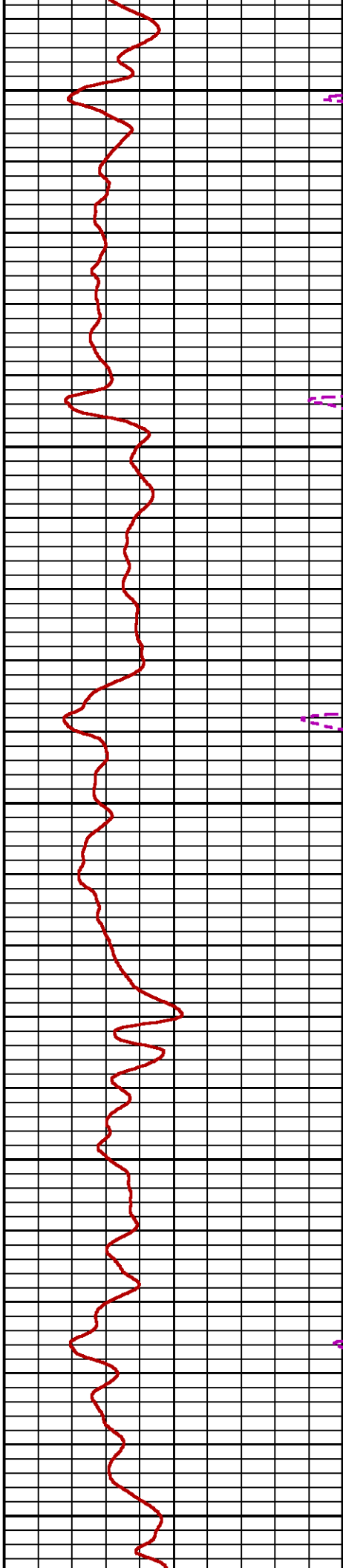
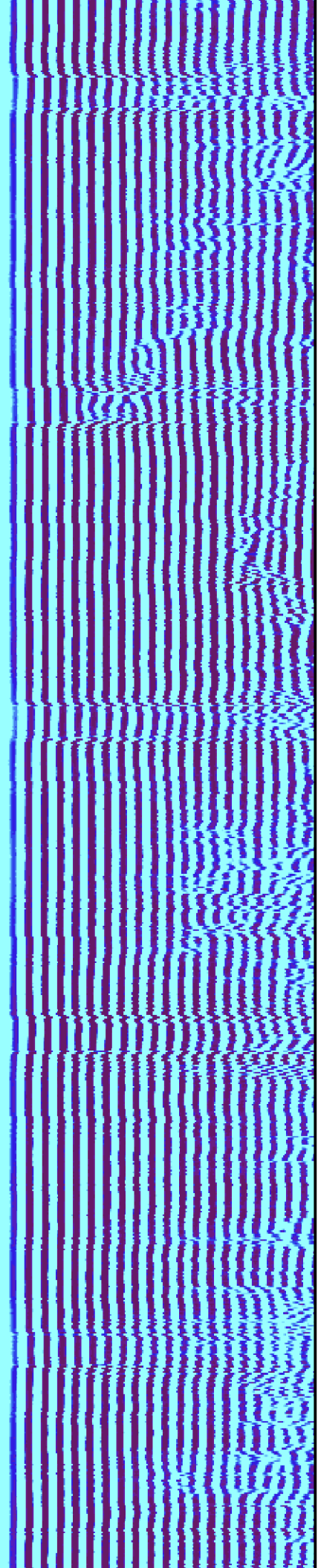




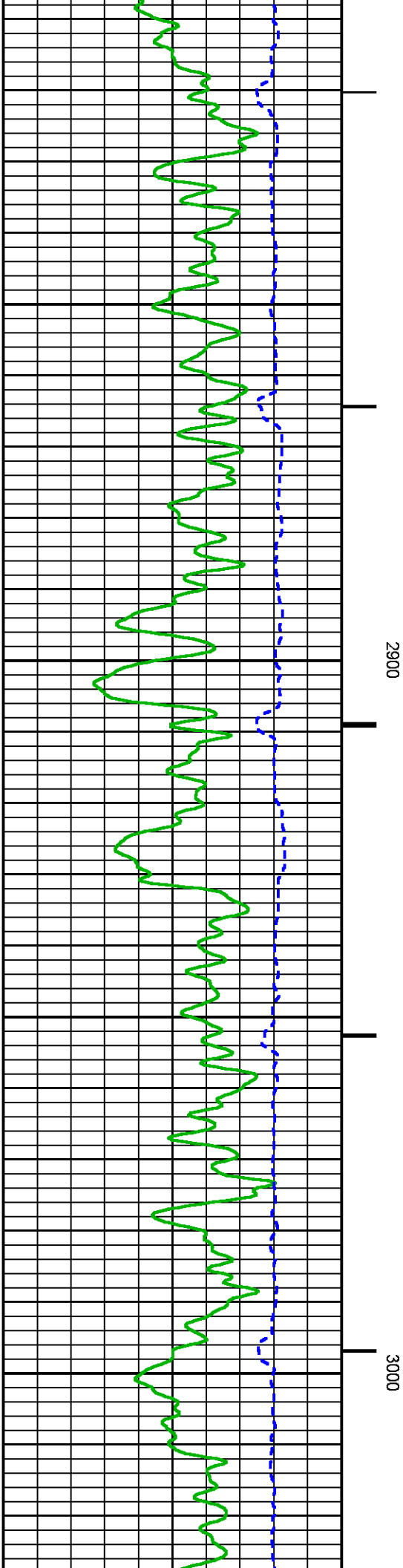
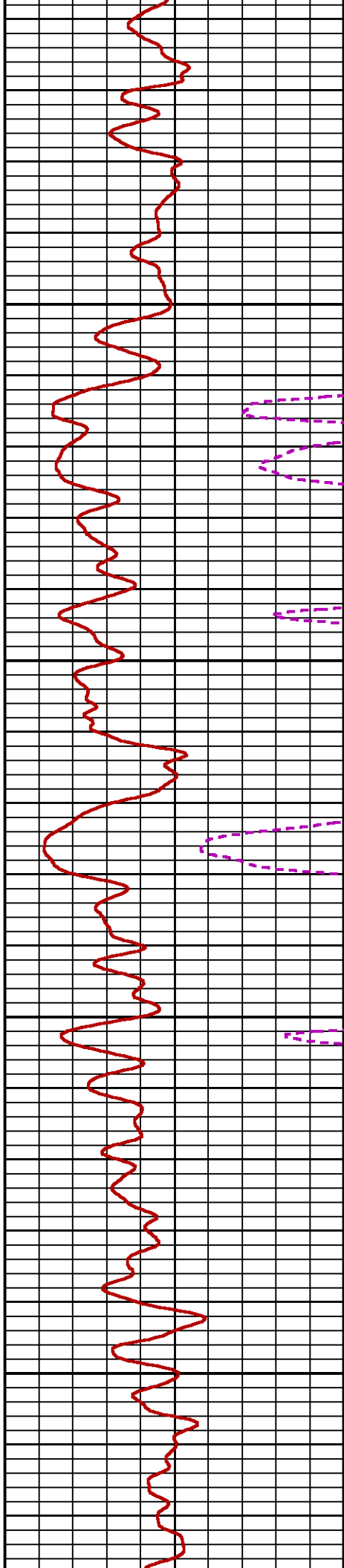
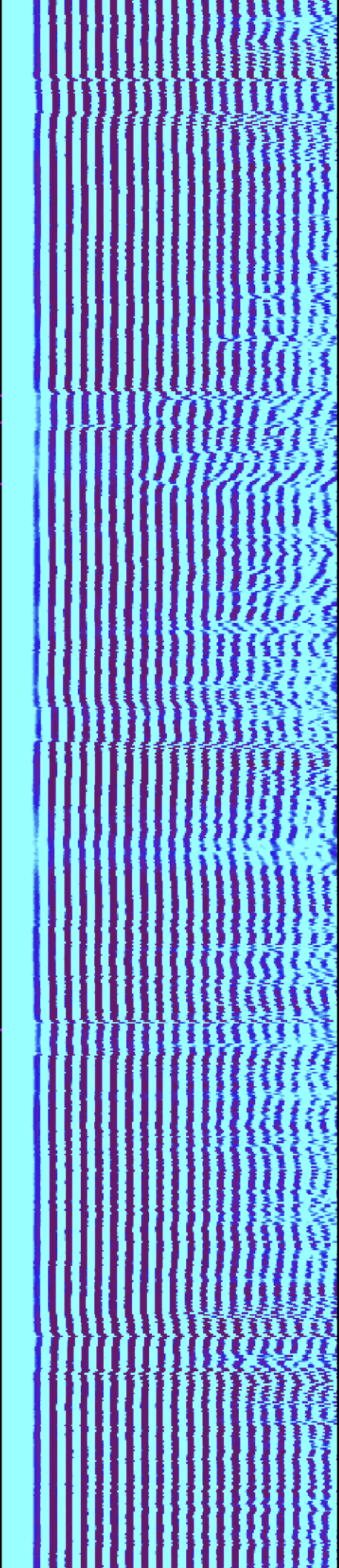


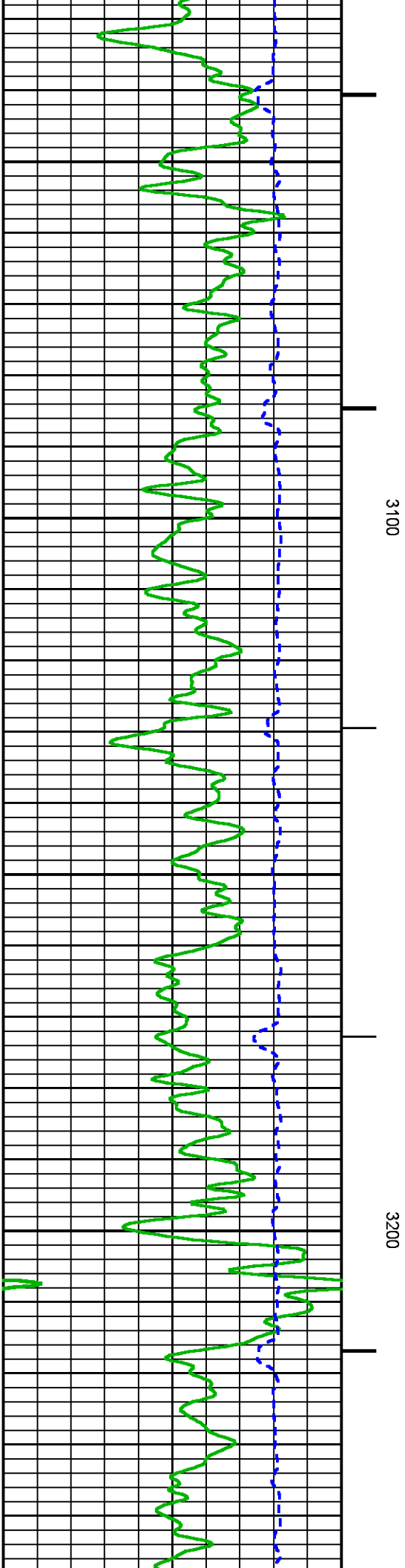
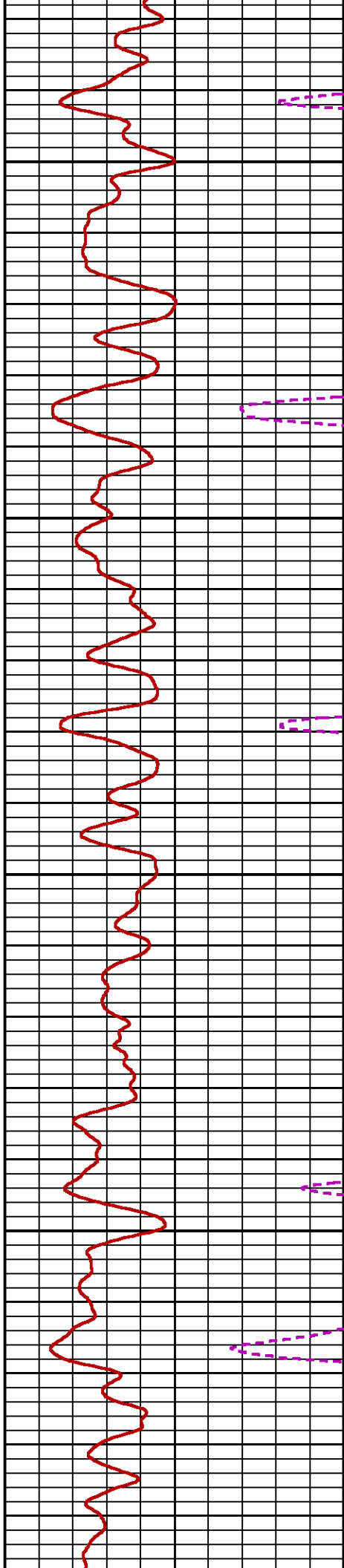
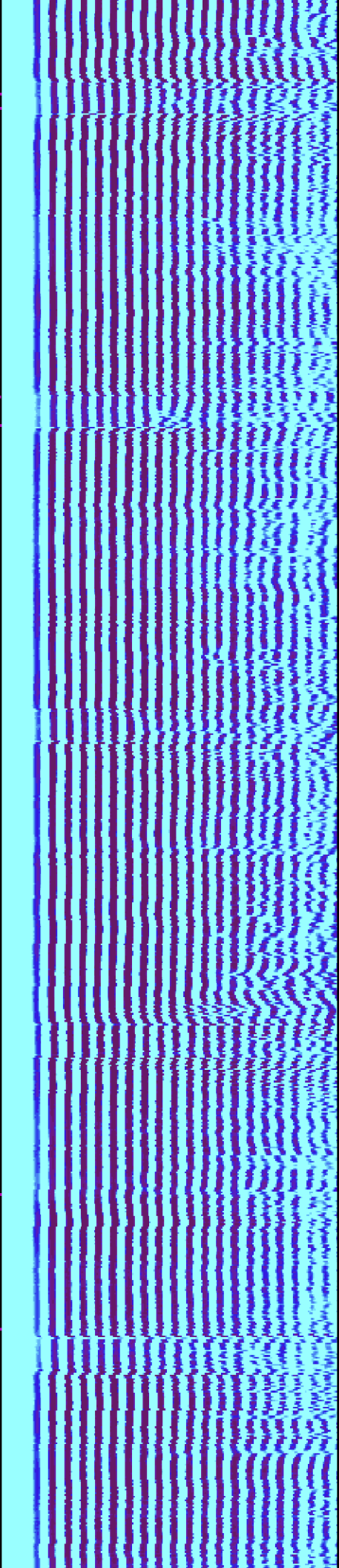


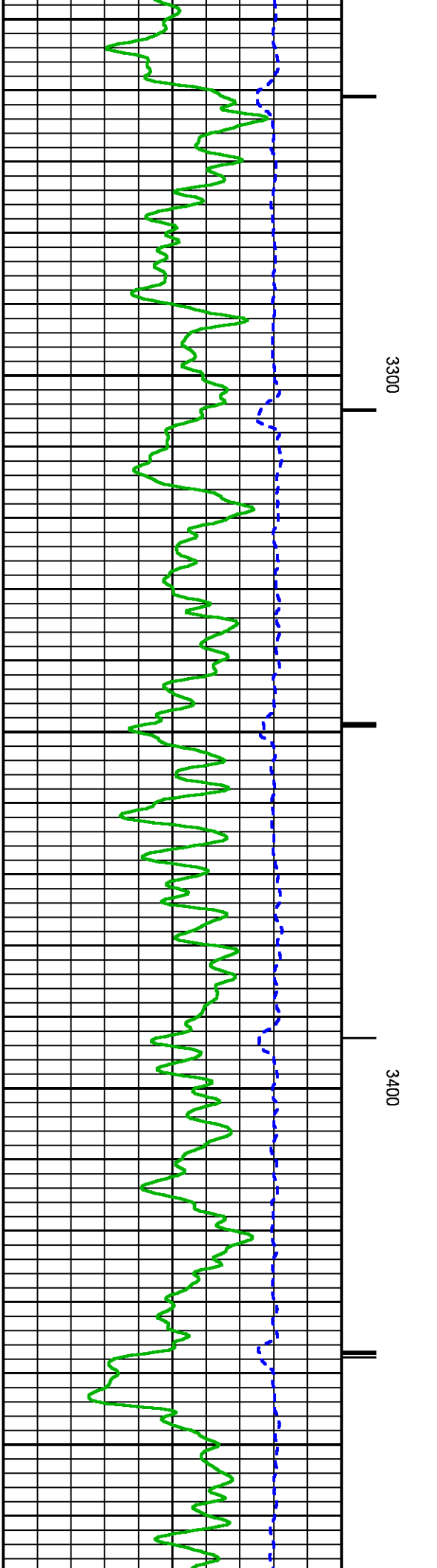
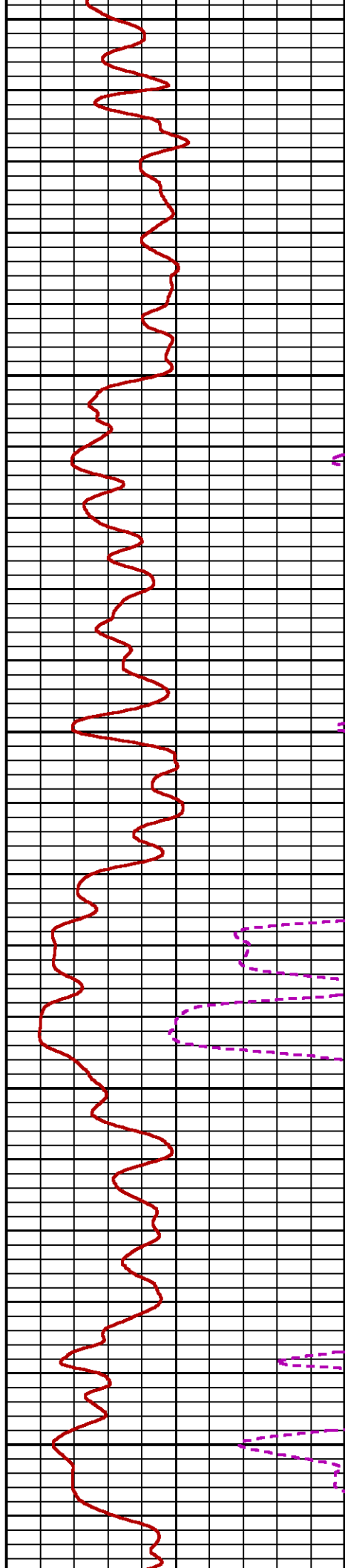
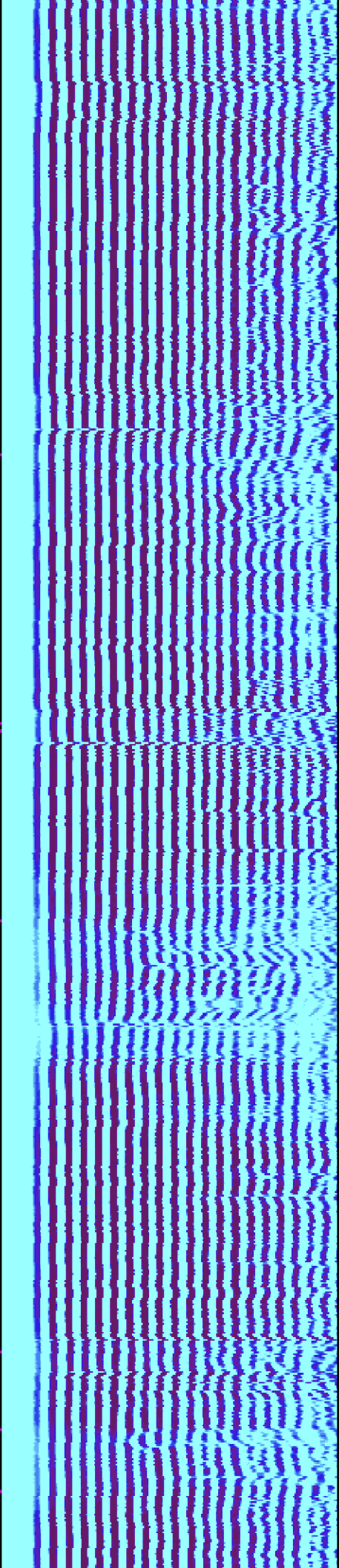




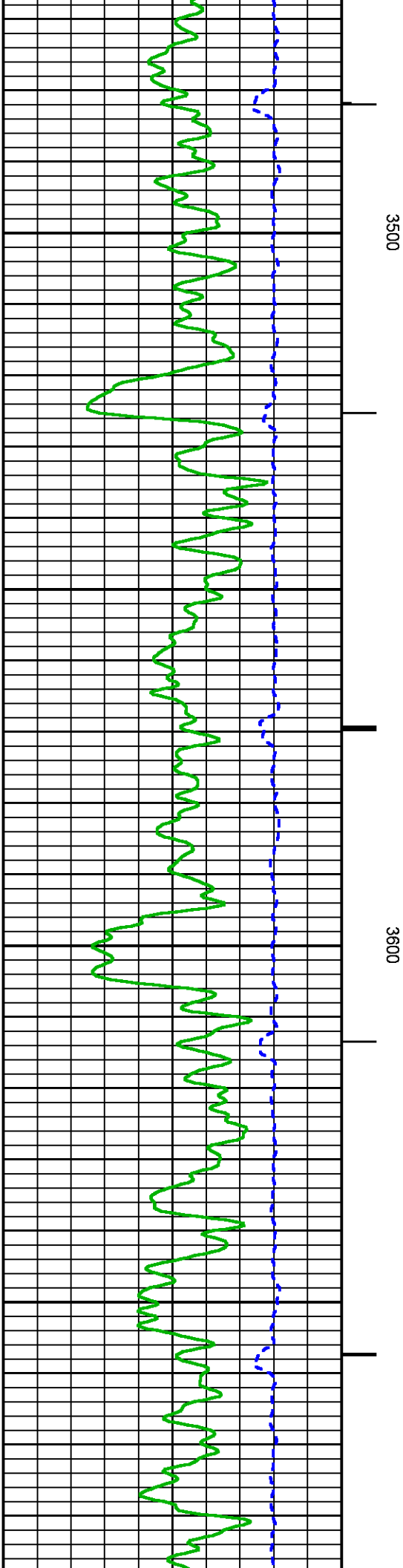
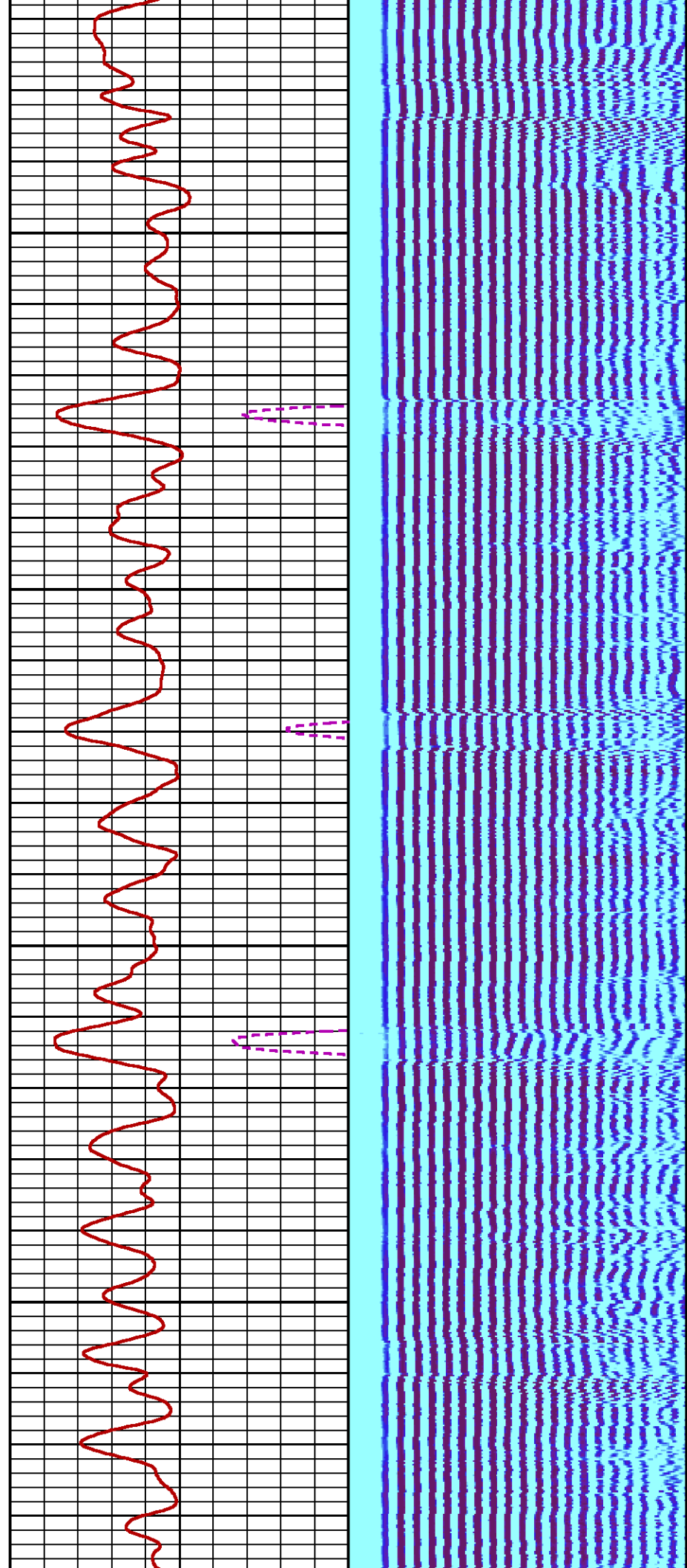


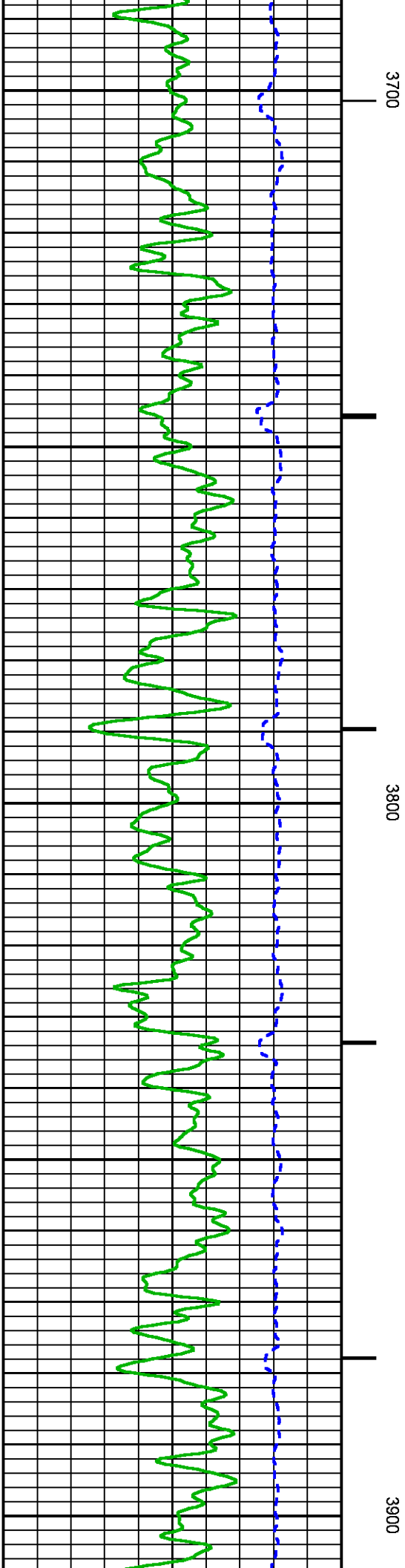
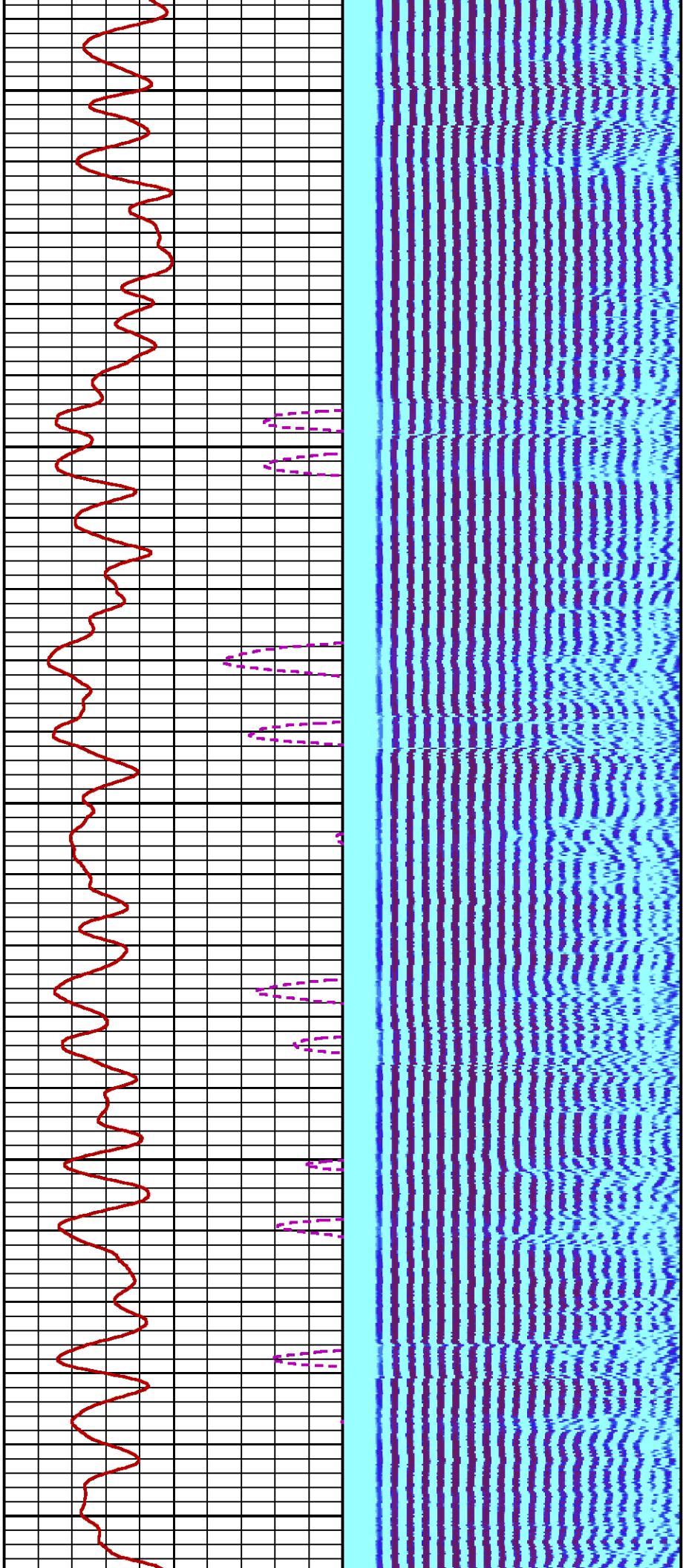


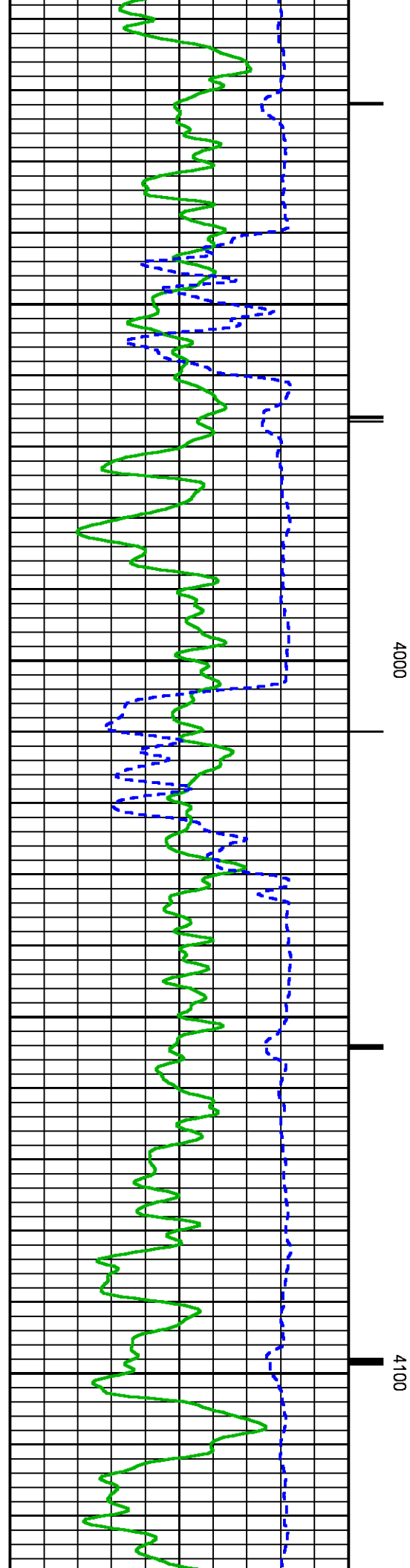
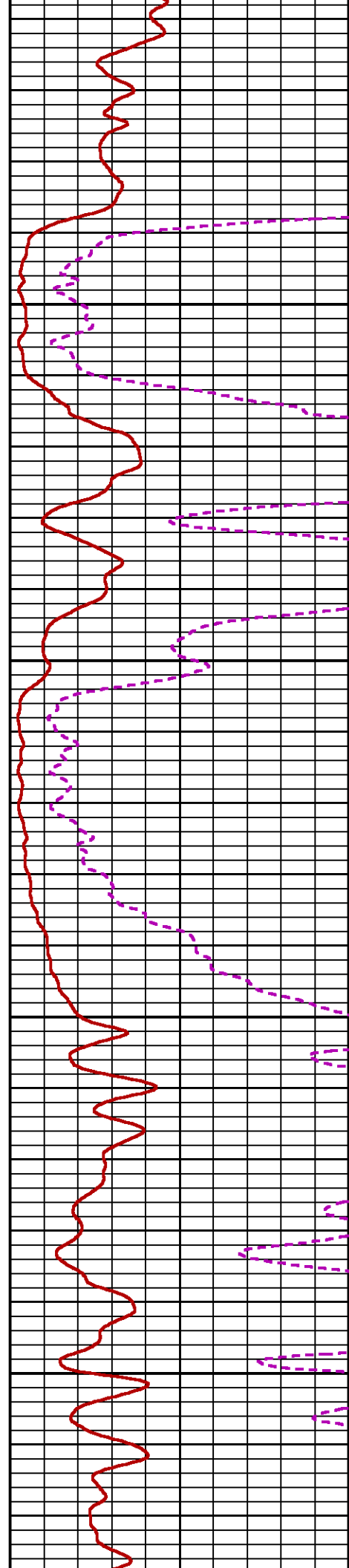
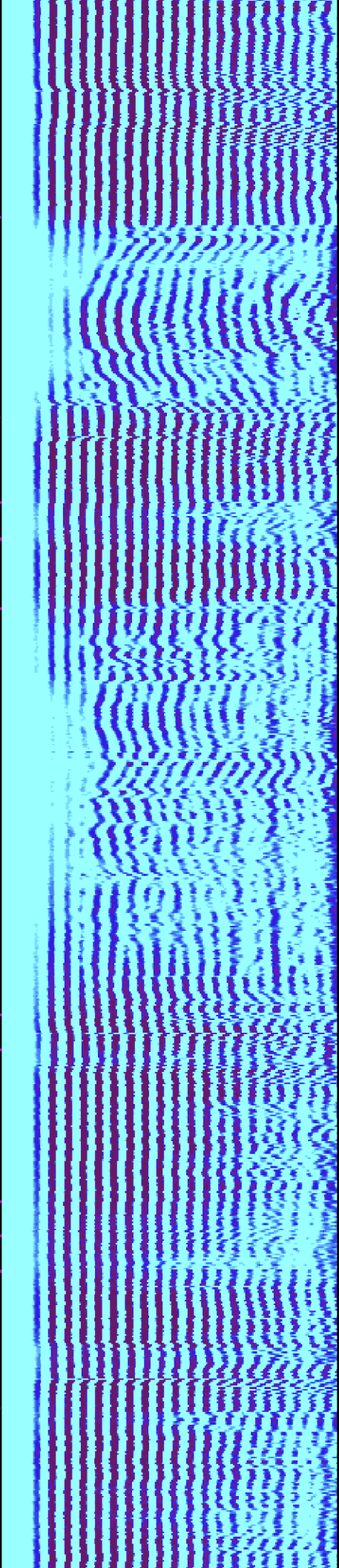


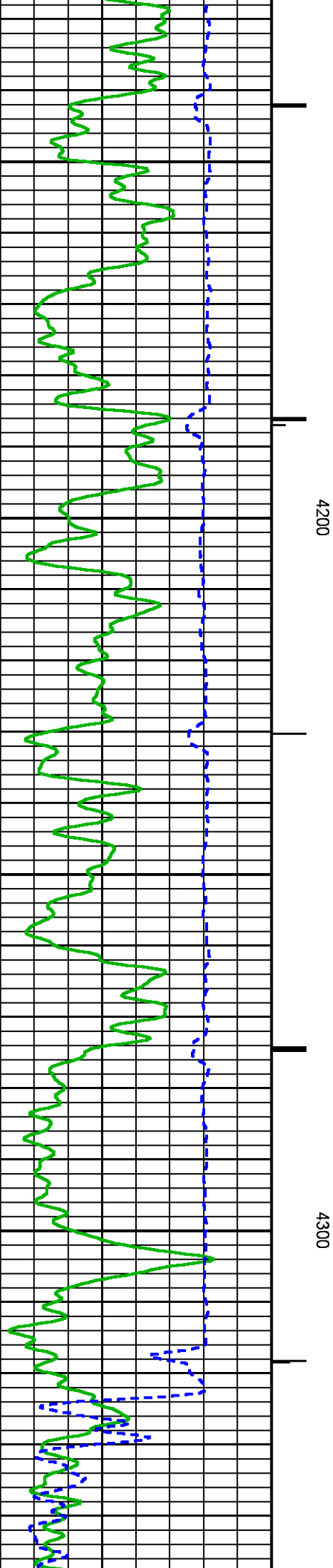
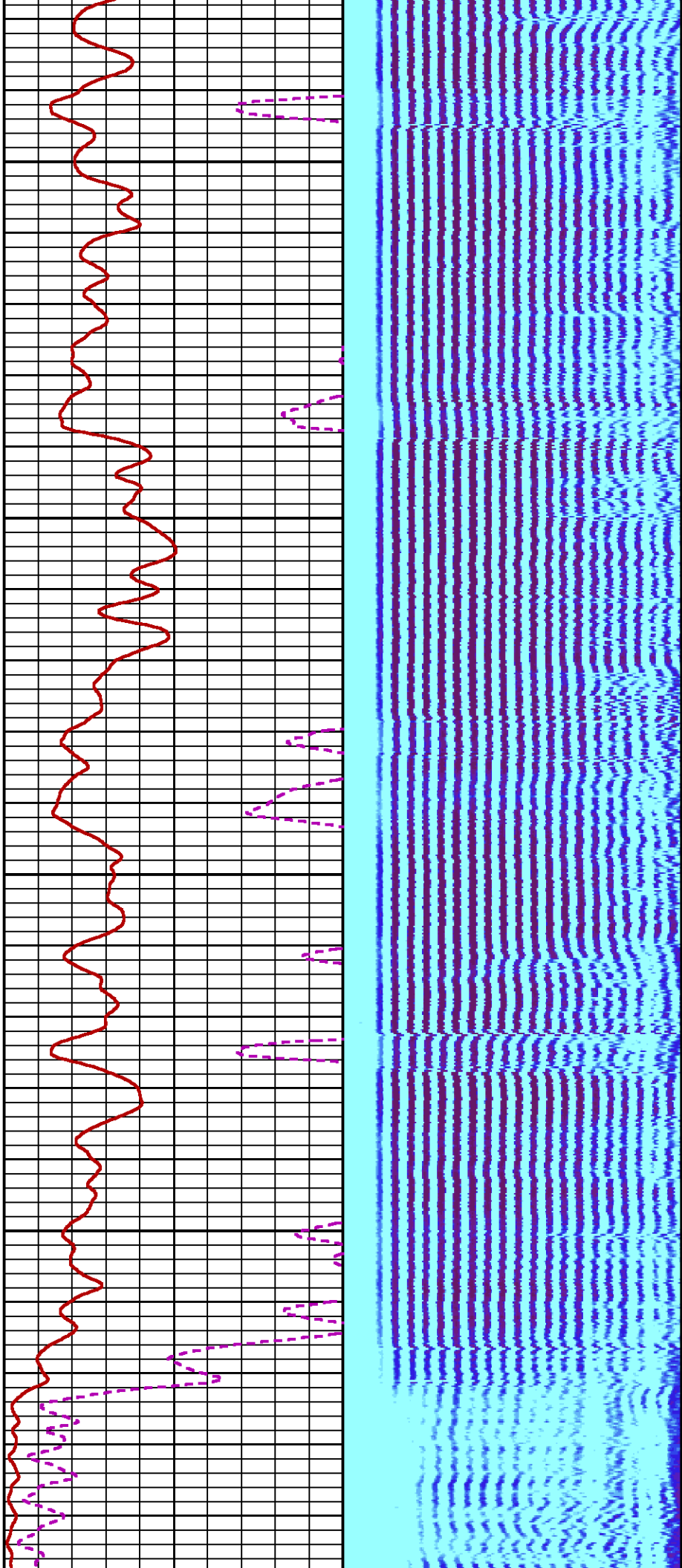




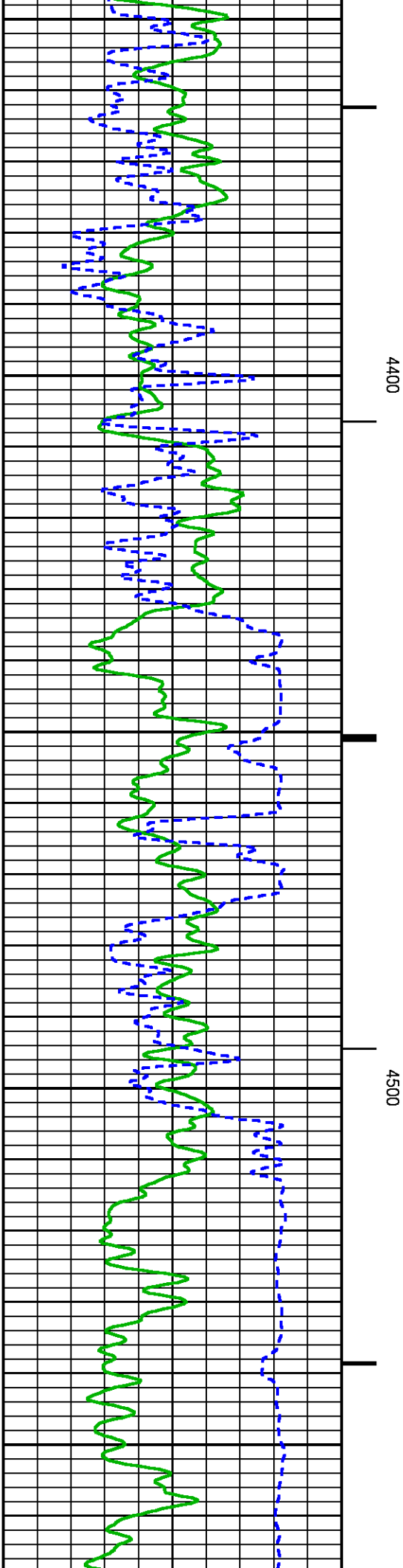
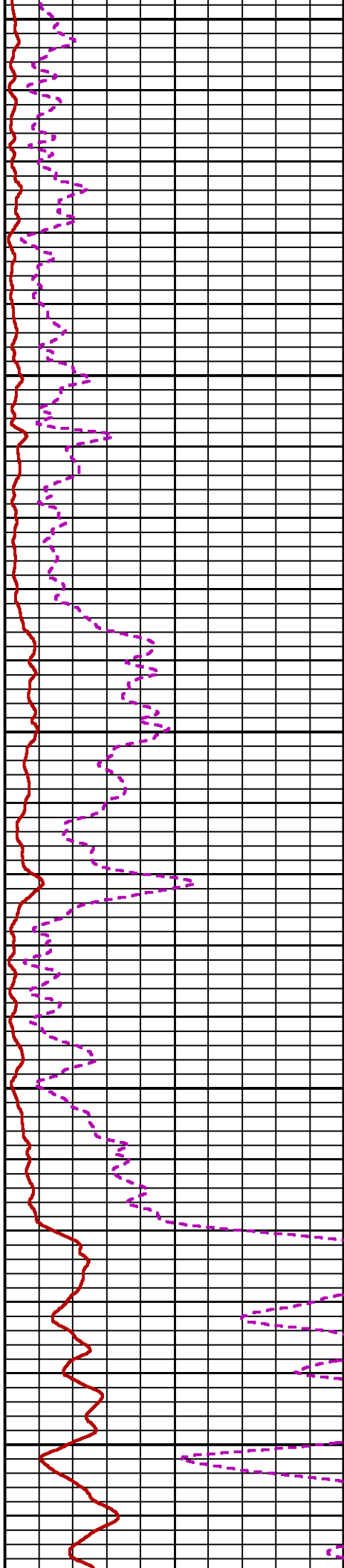
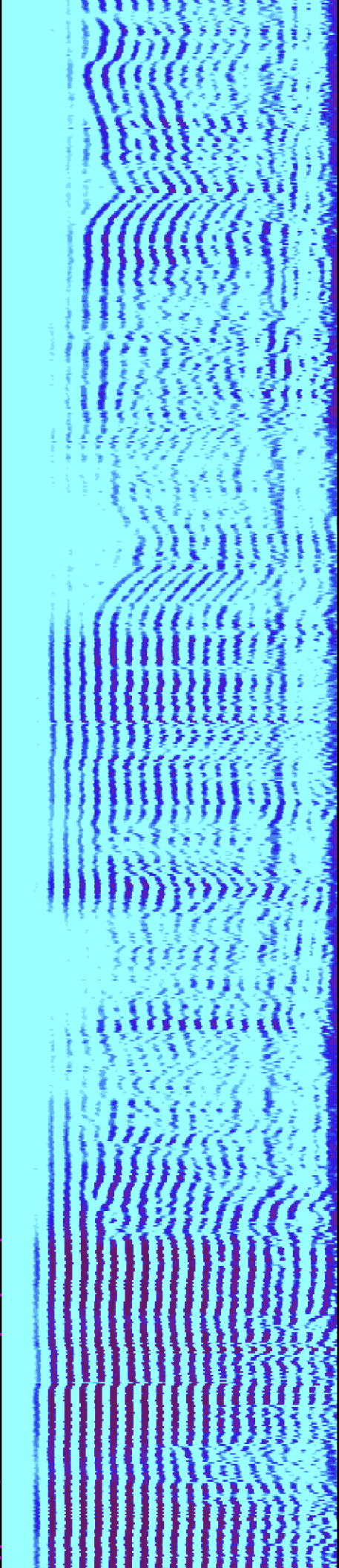


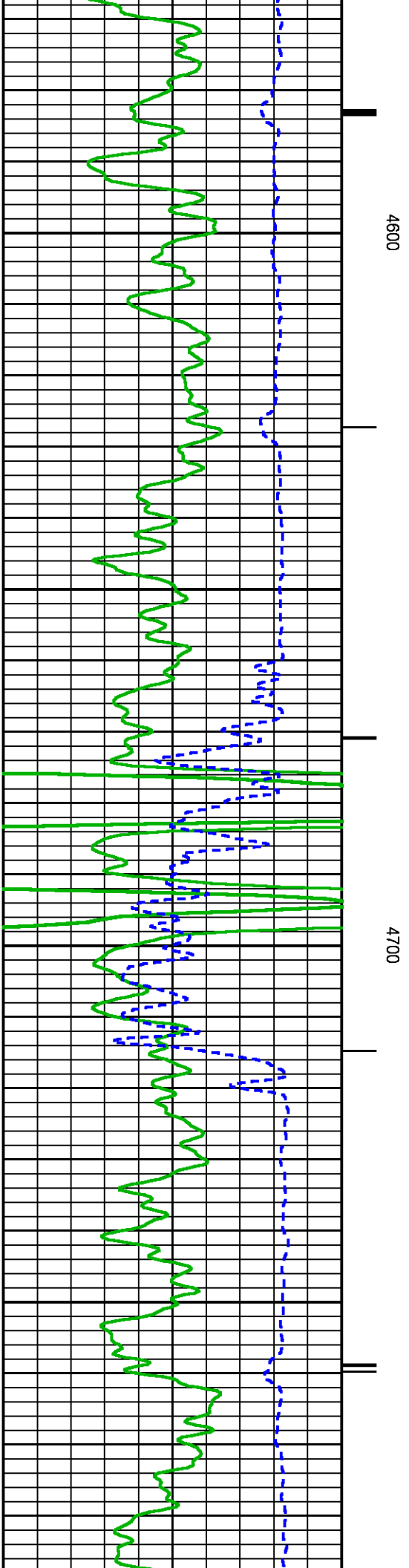
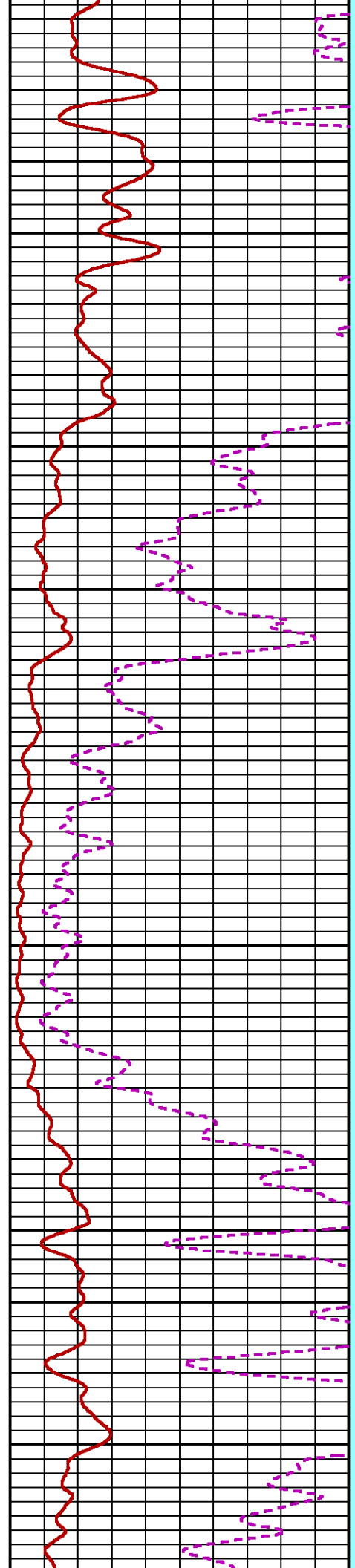
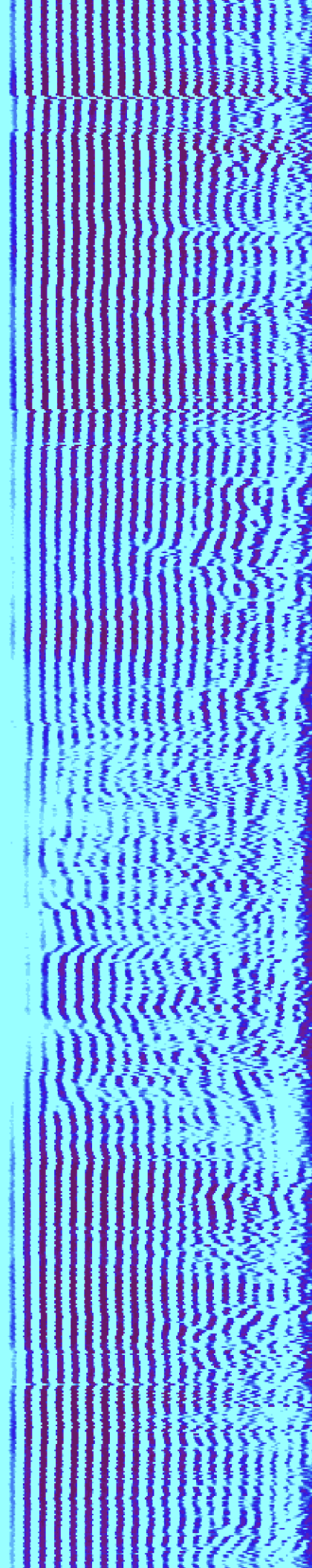


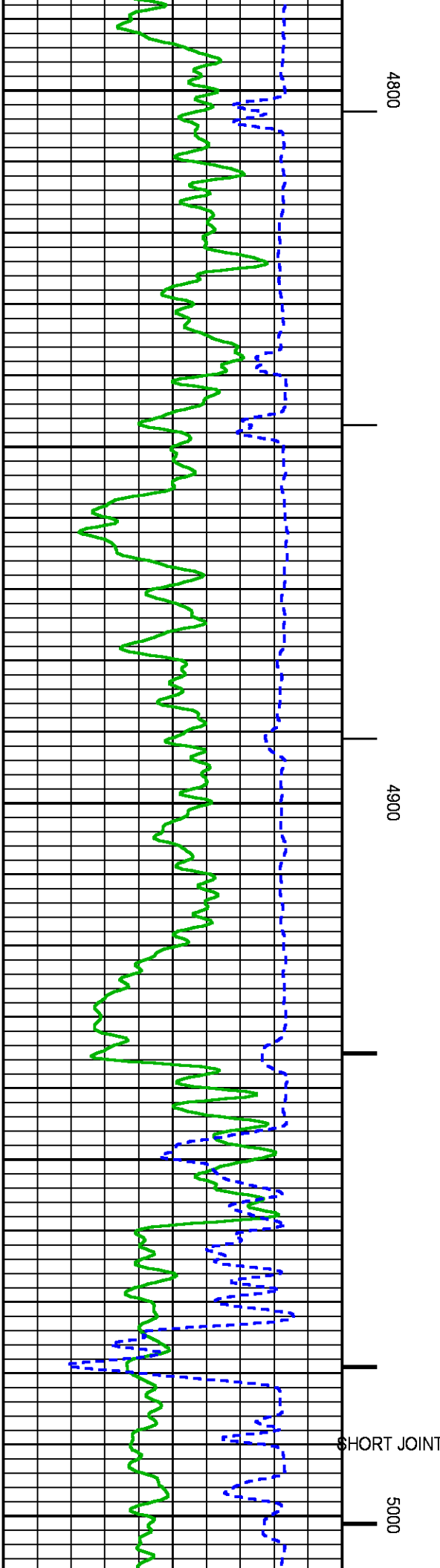
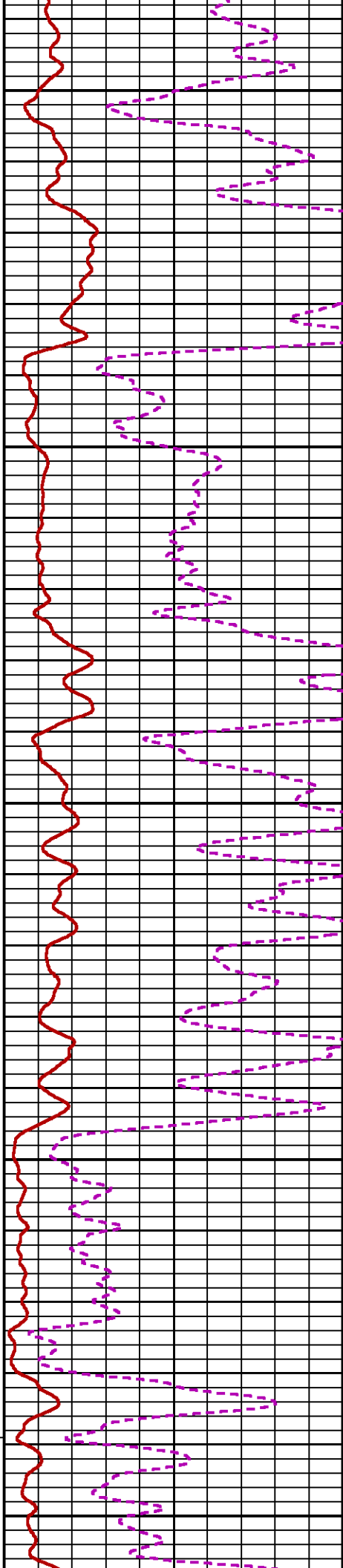
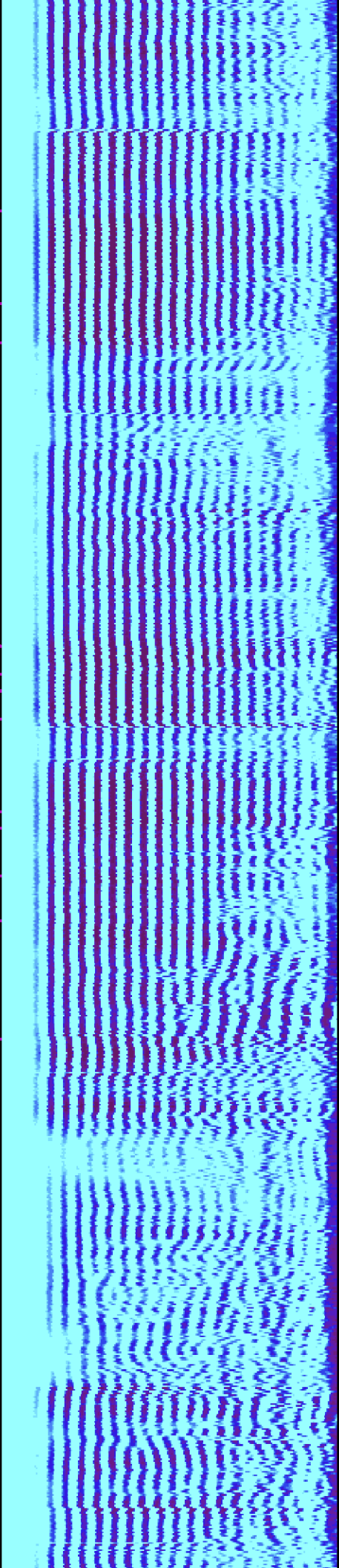












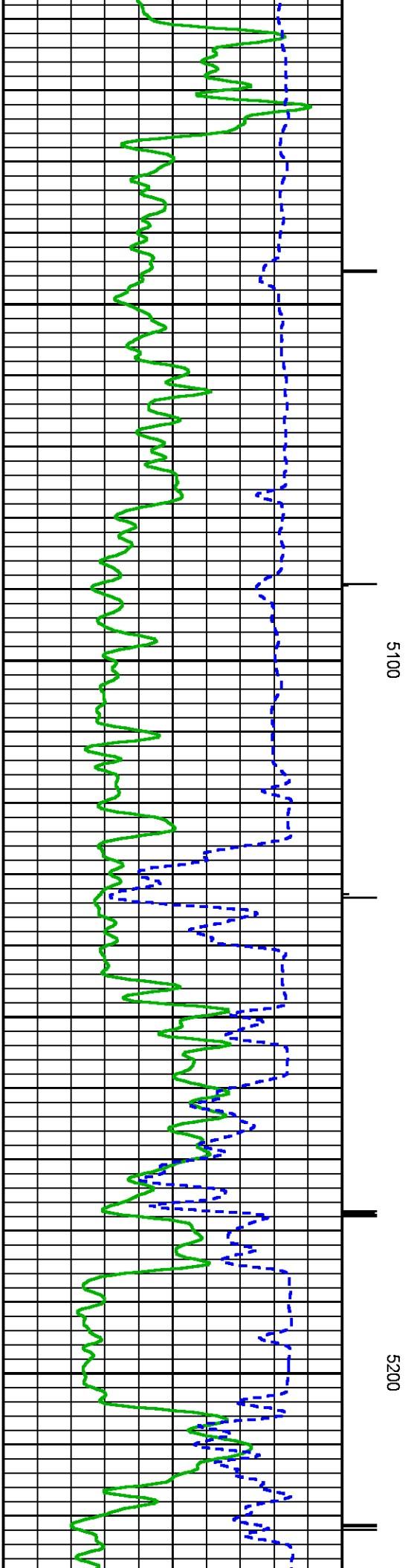
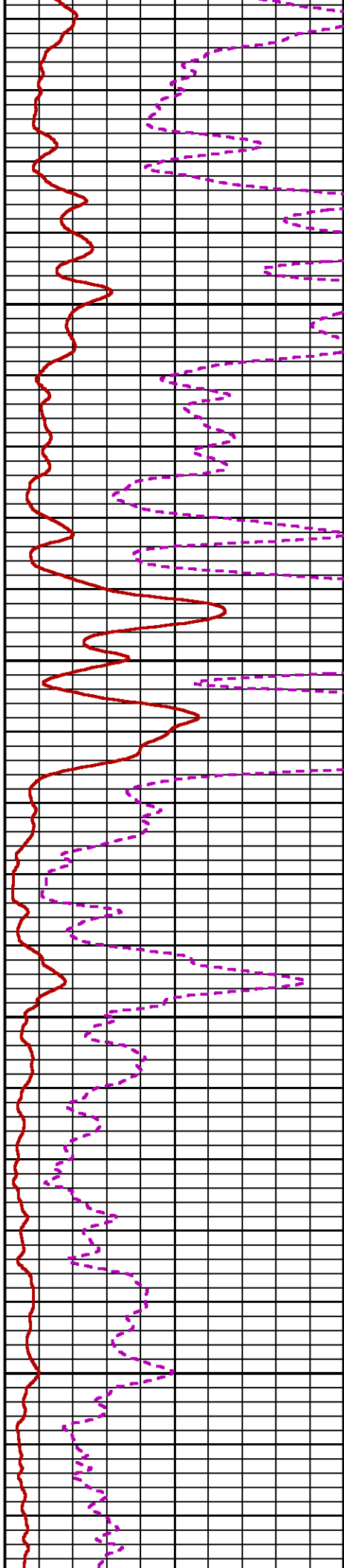
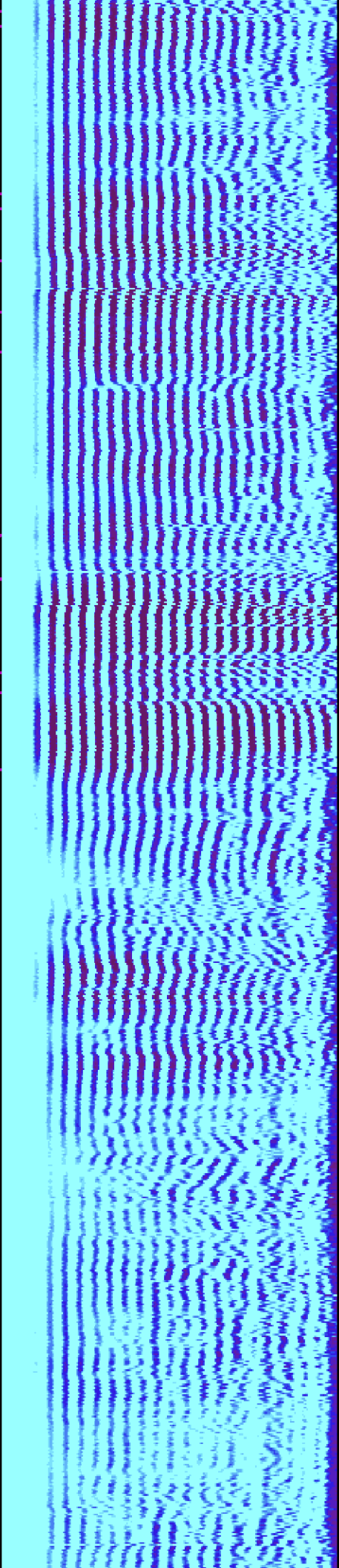
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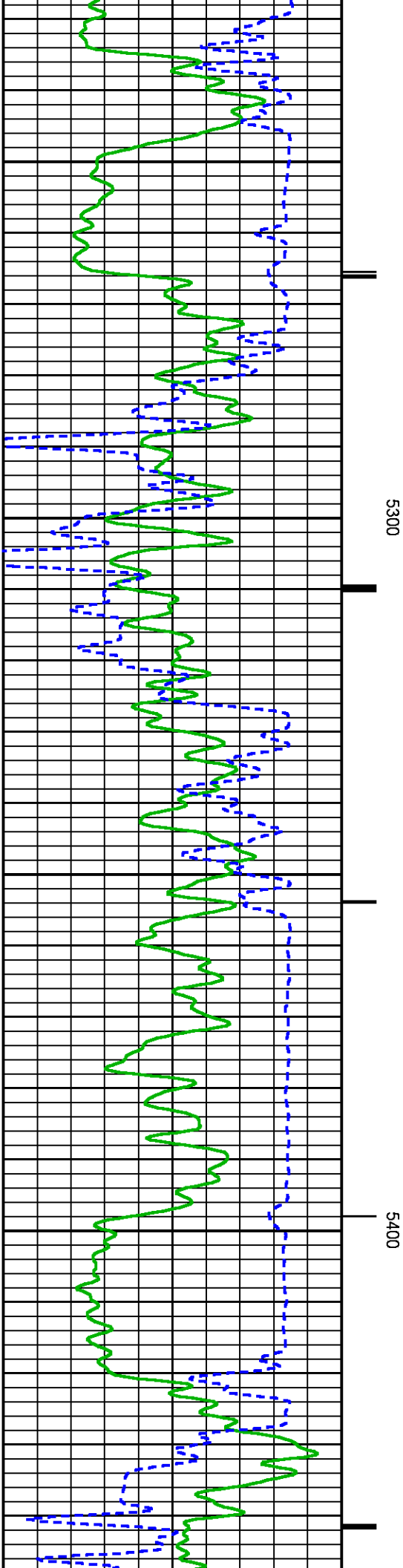
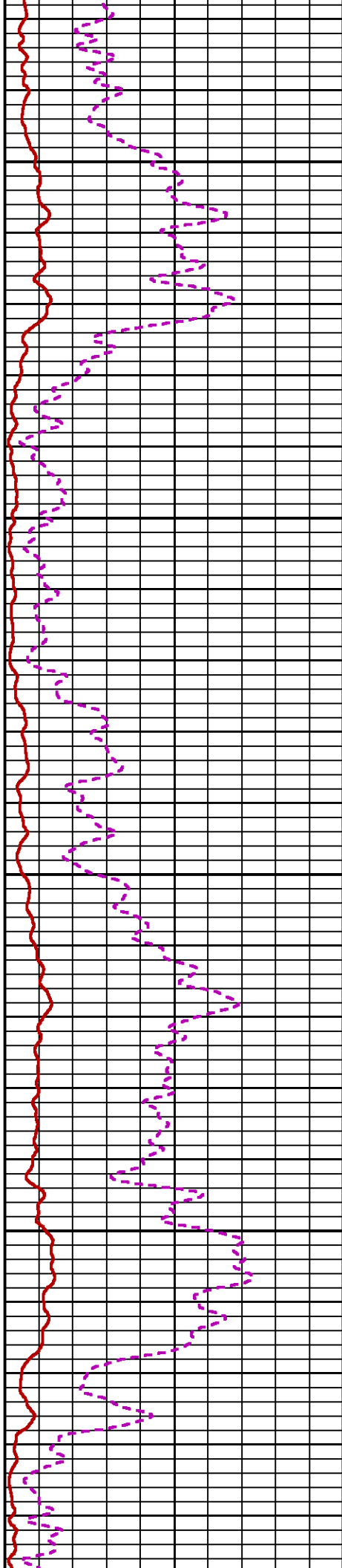
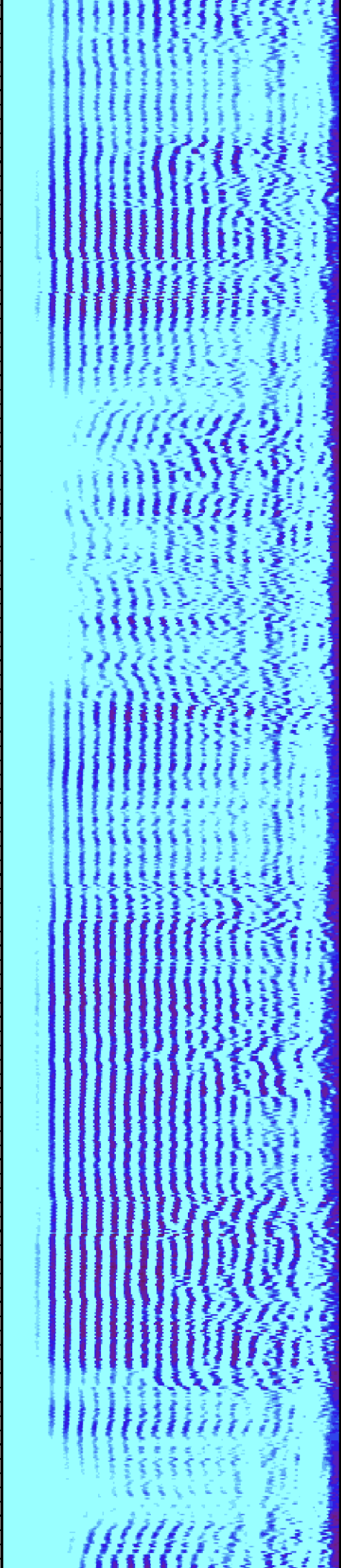
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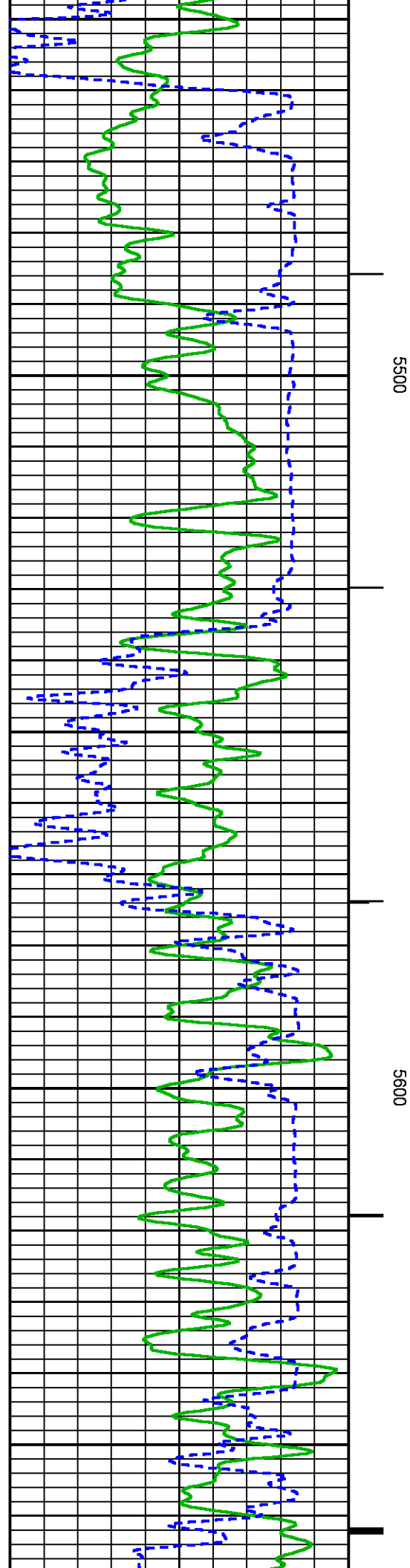
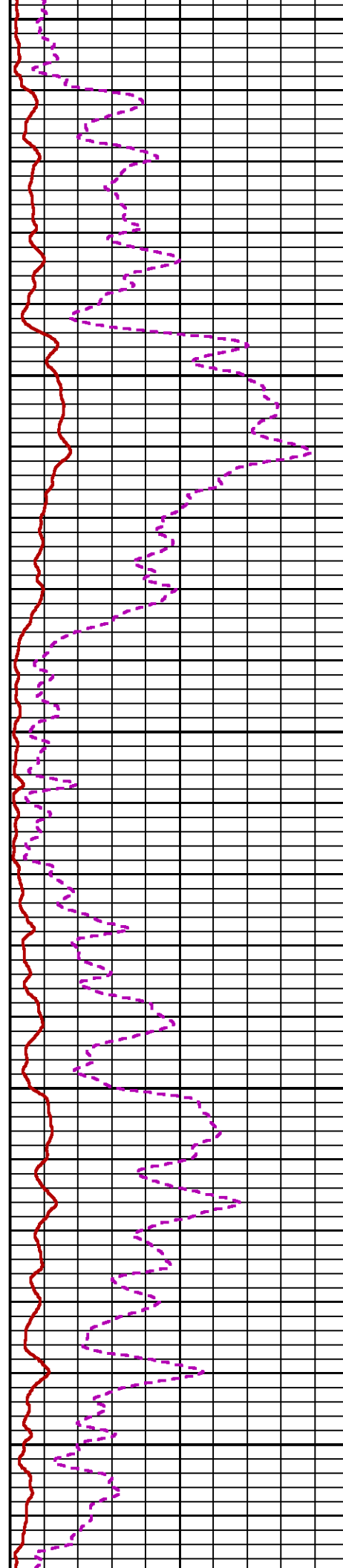
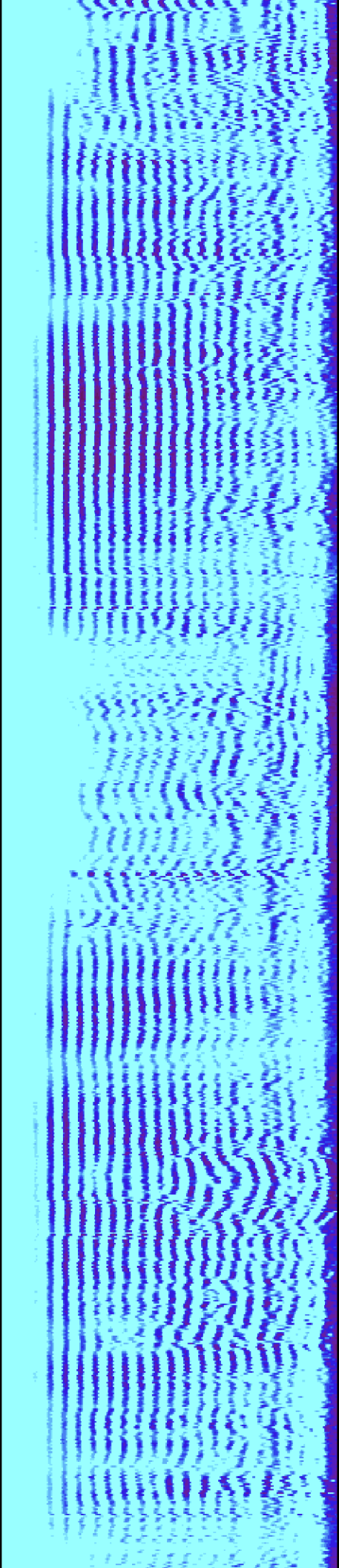
SHORT JOINT

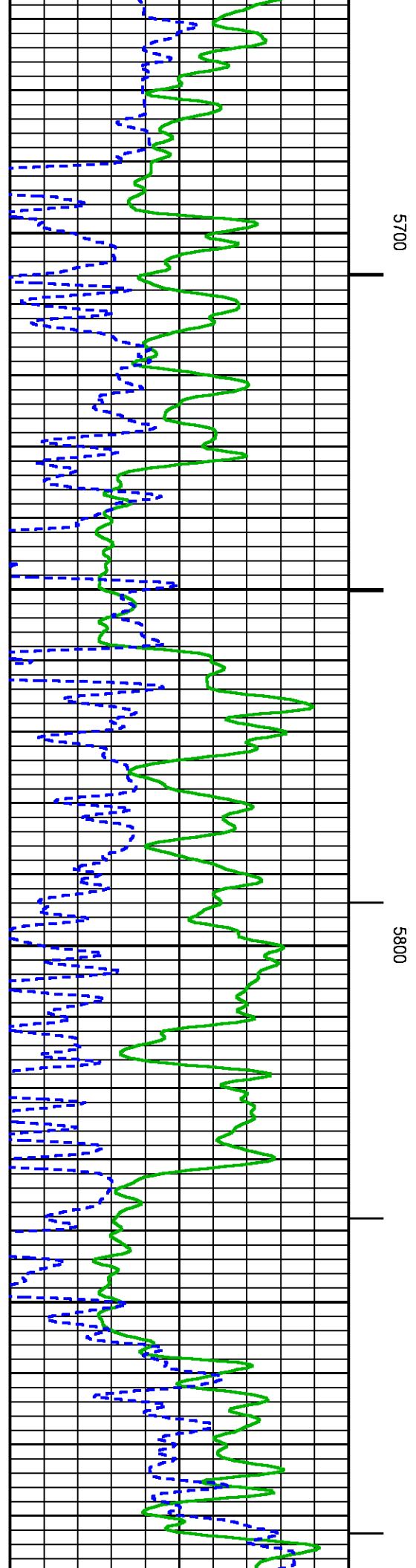
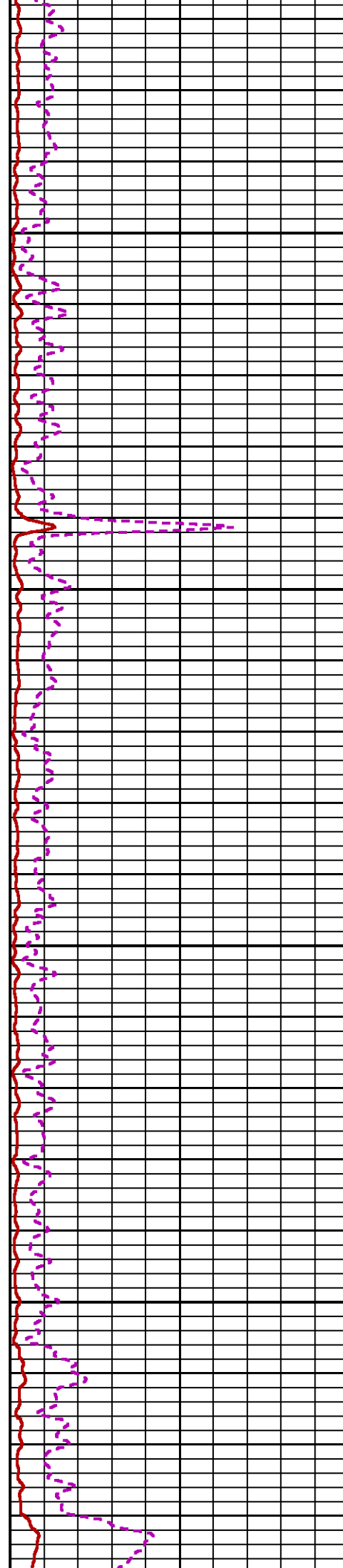
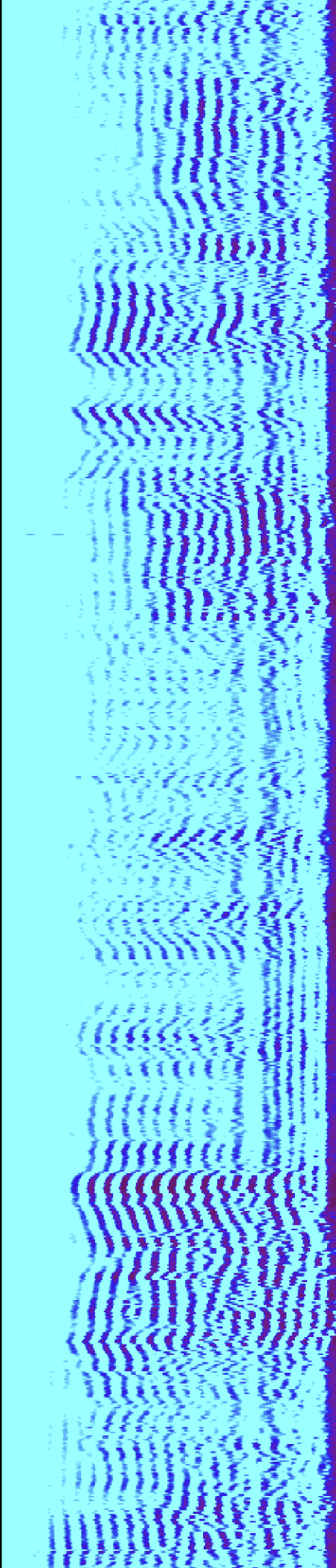
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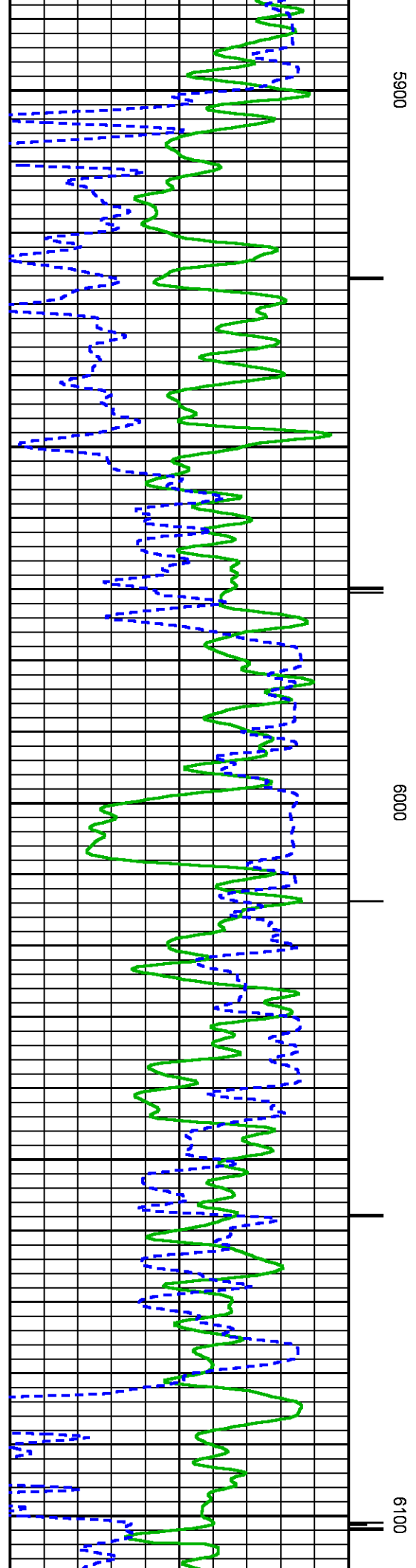
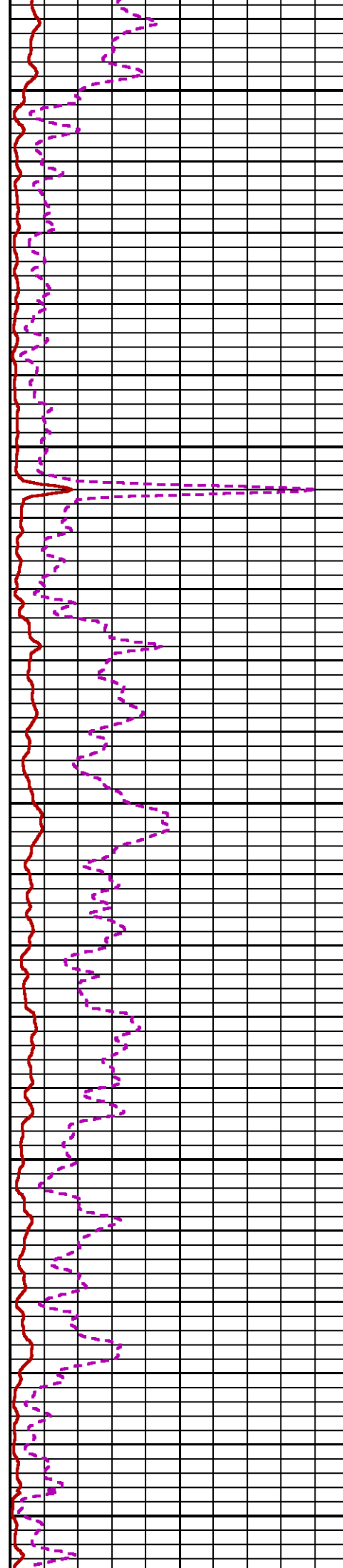
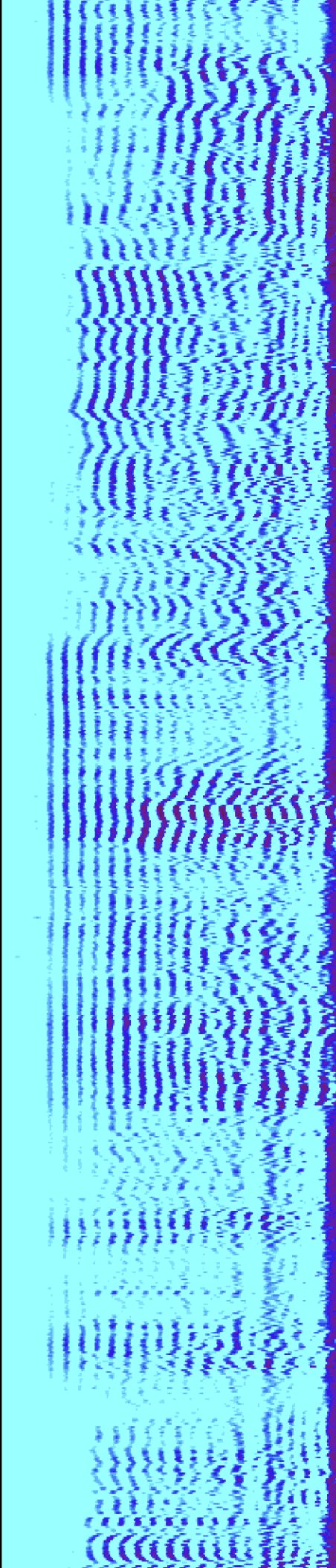


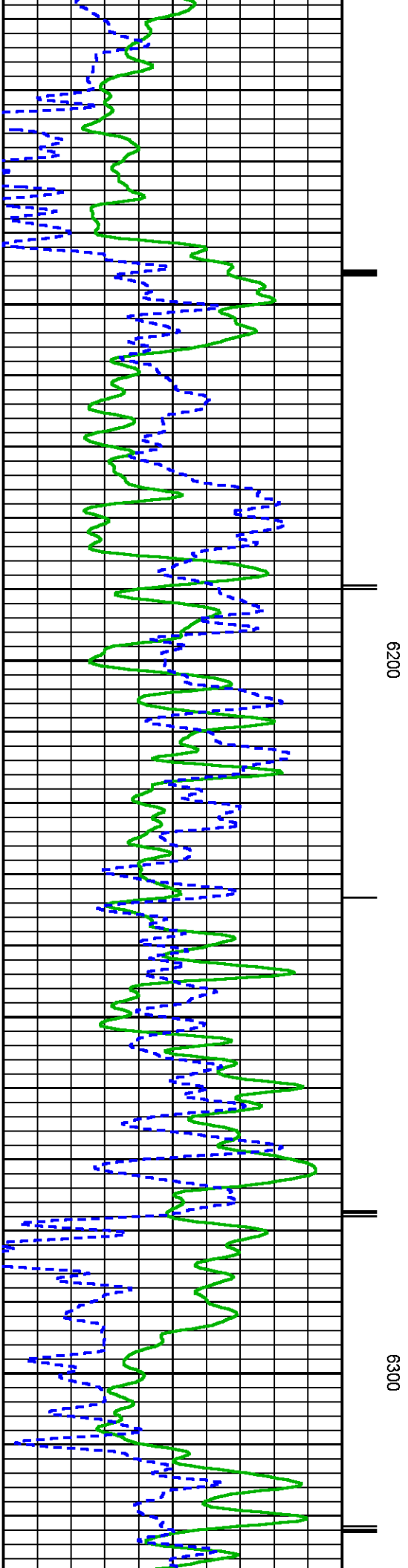
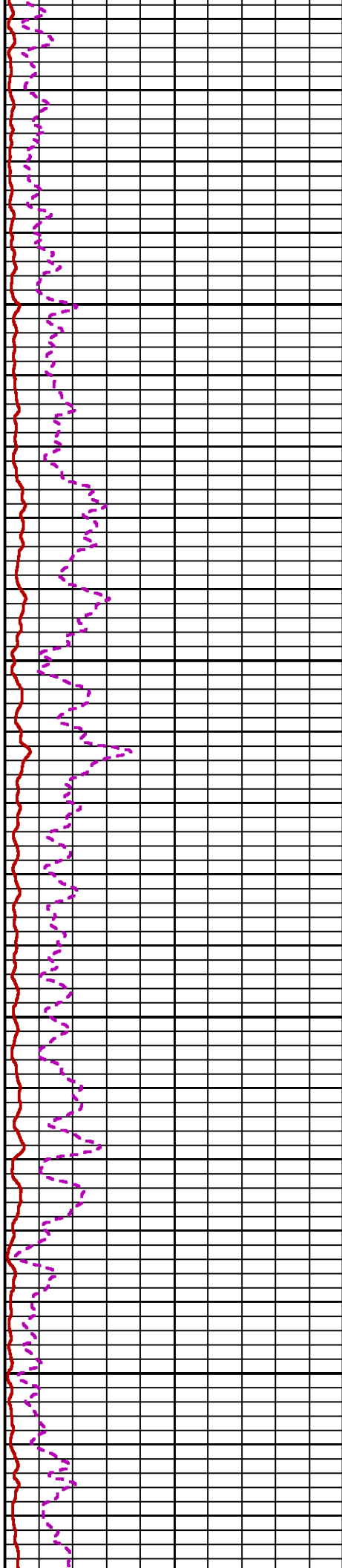
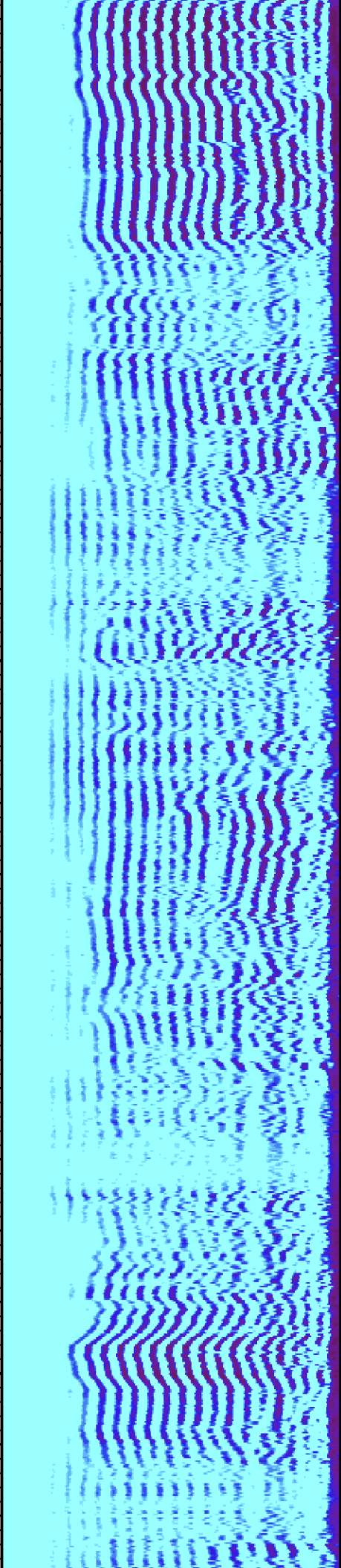


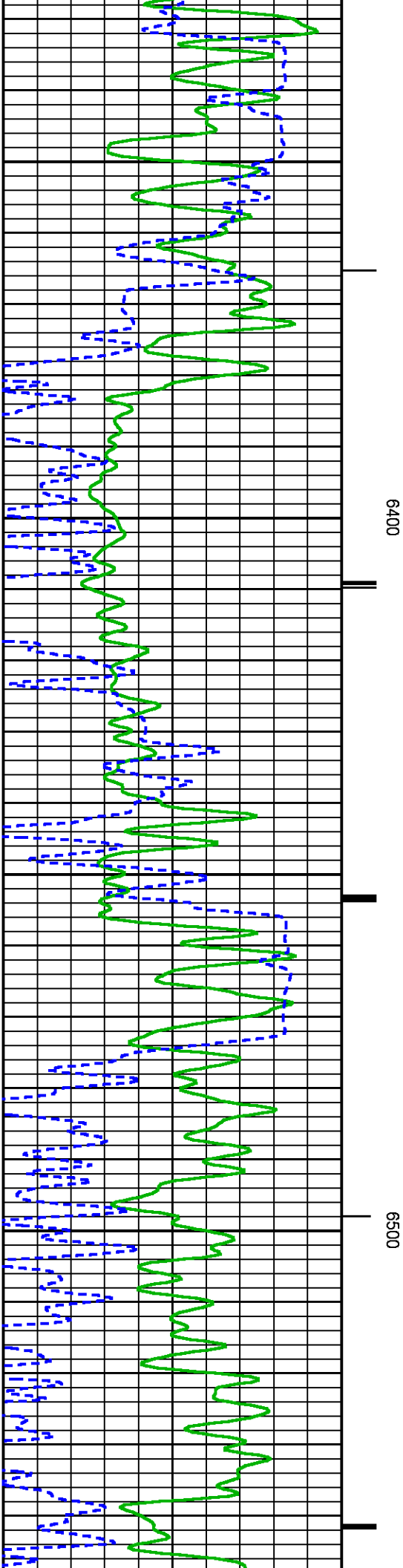
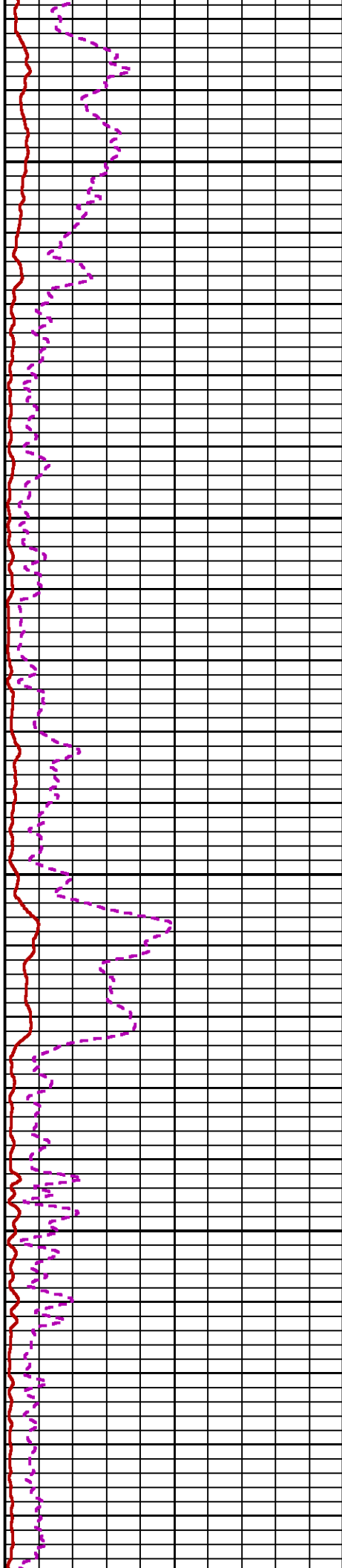
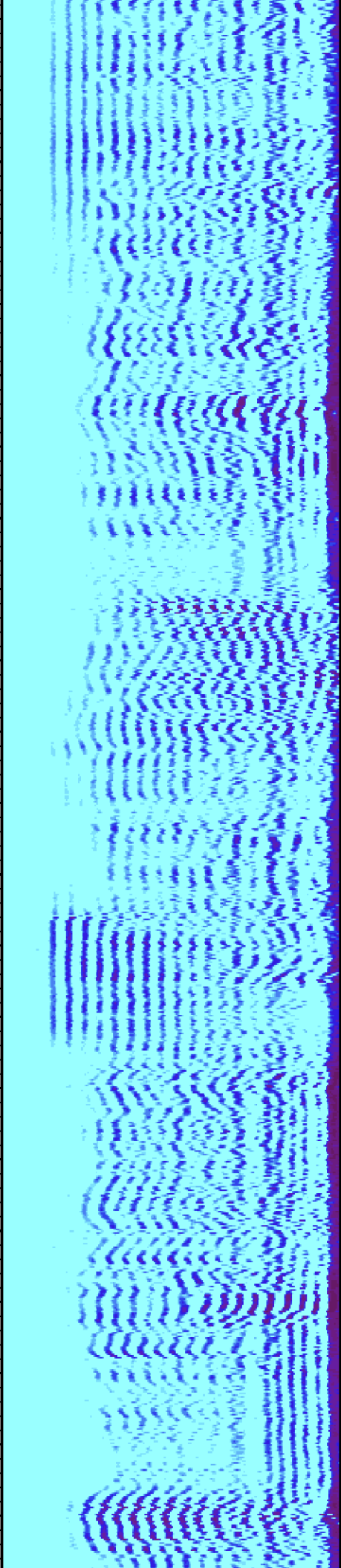




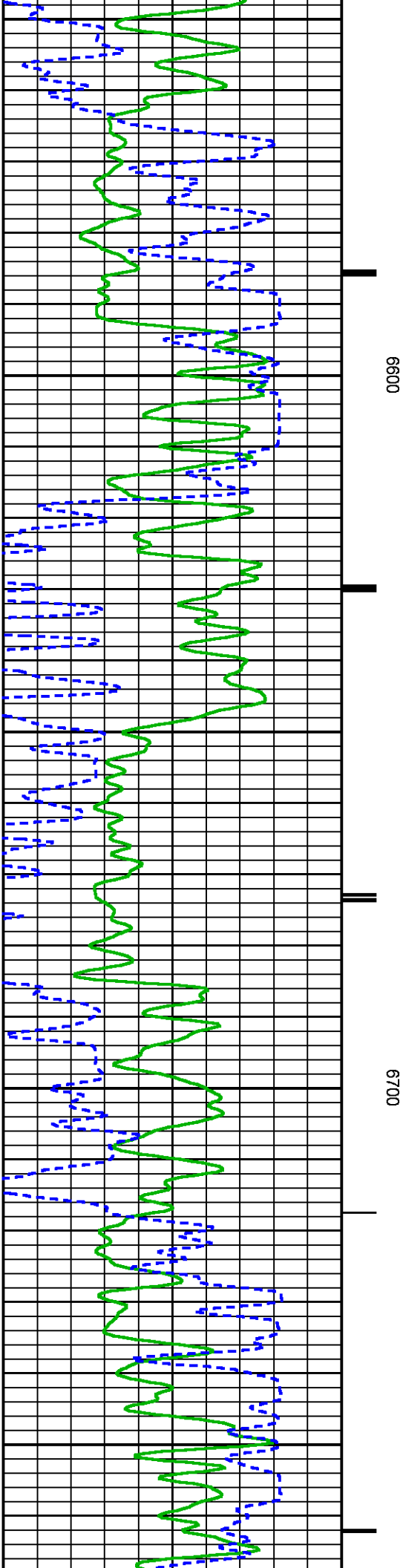
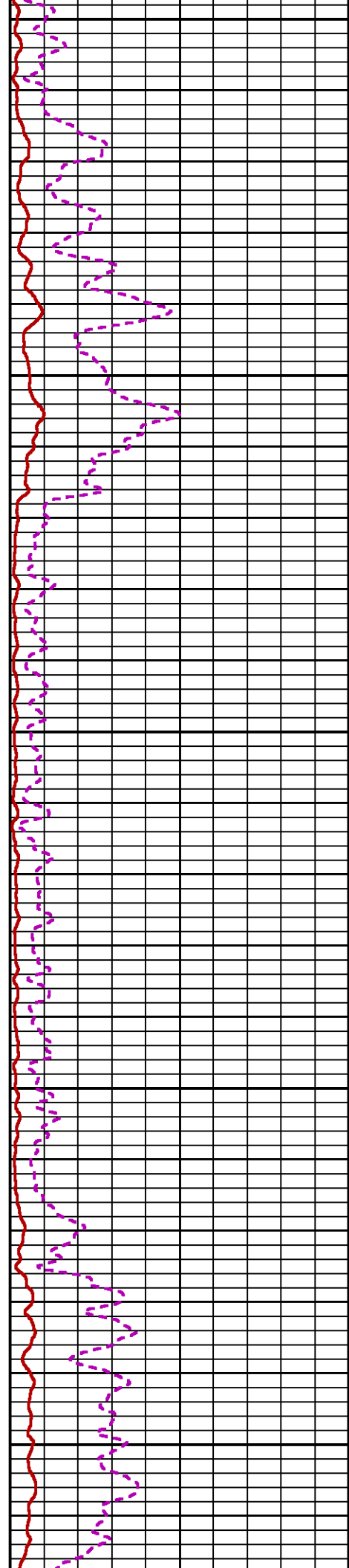
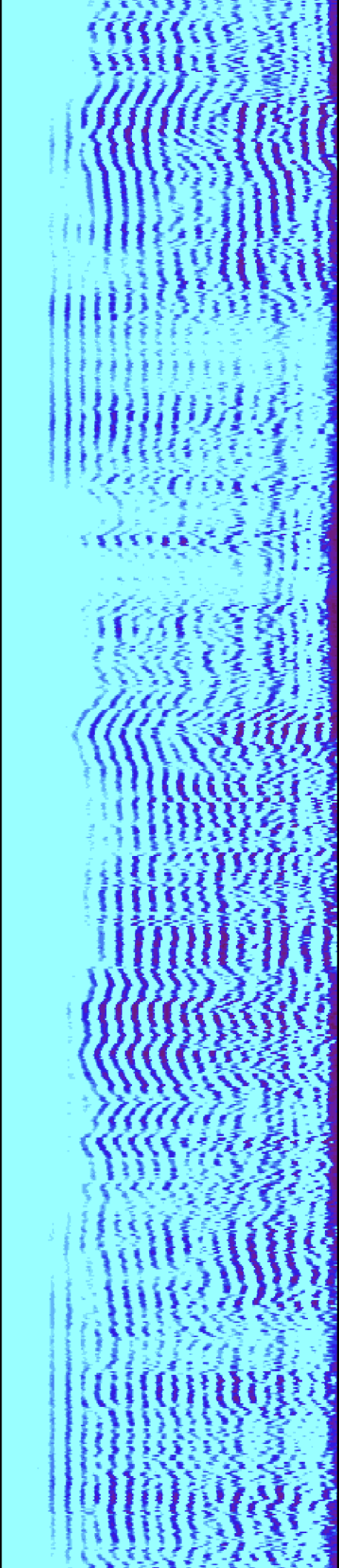


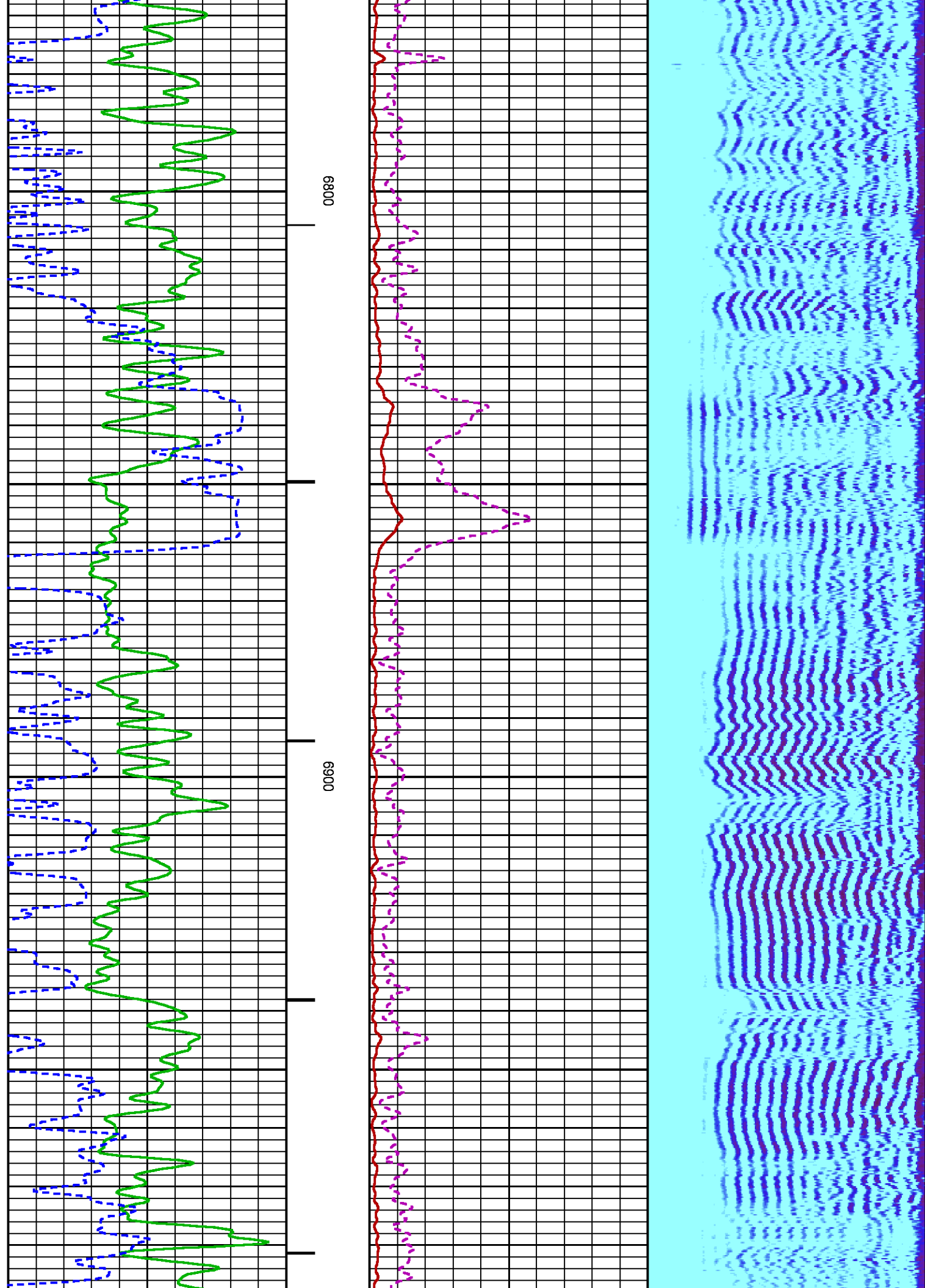


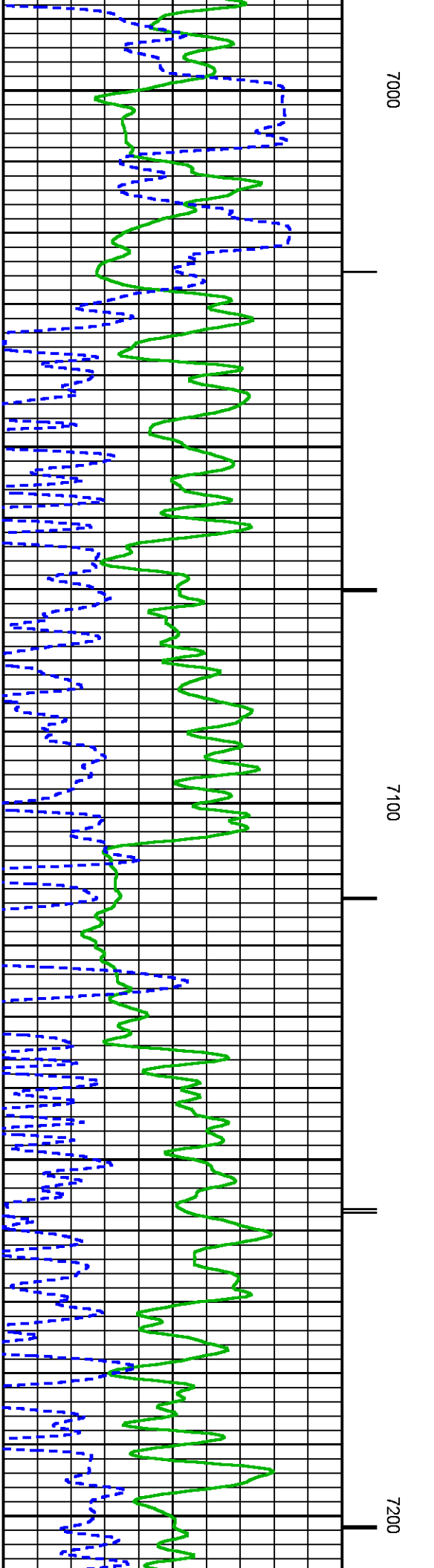
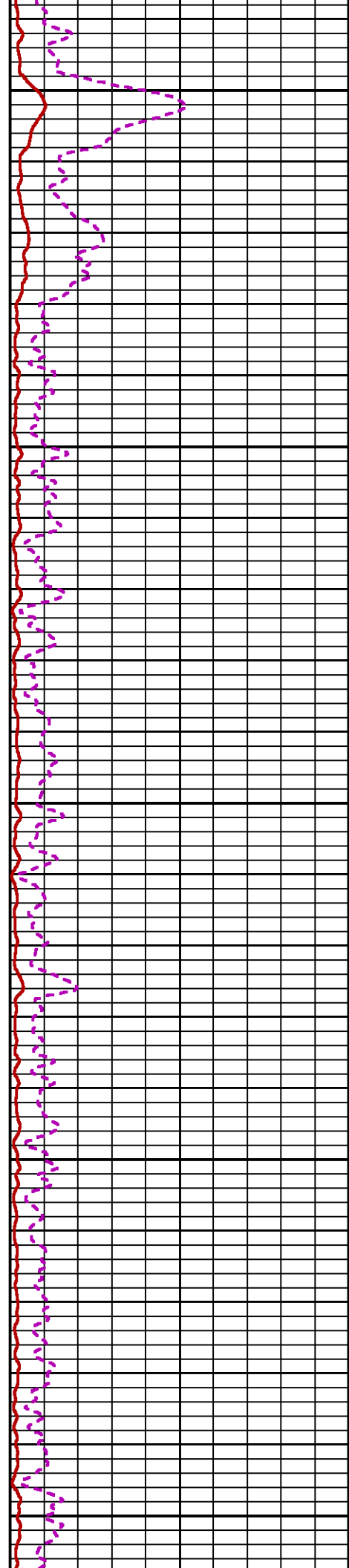
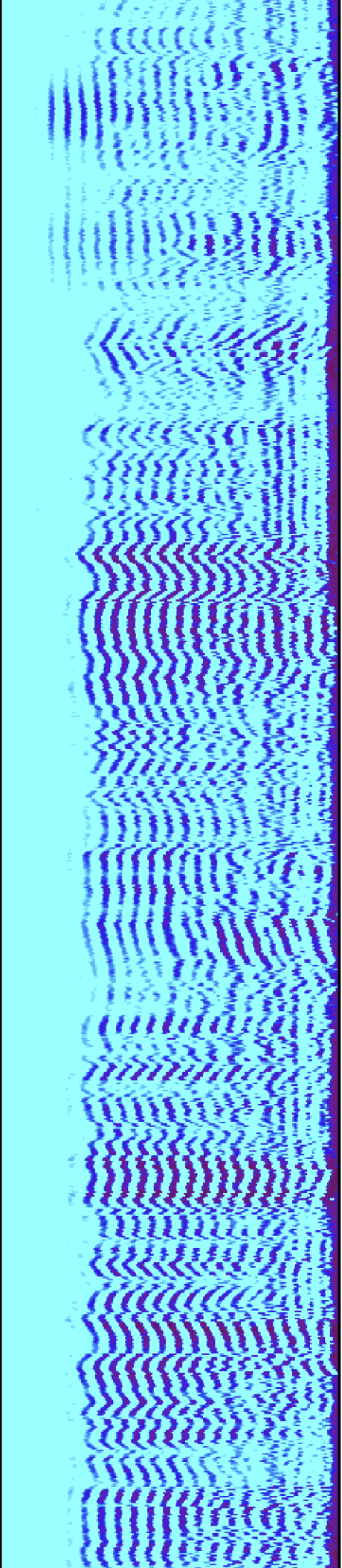


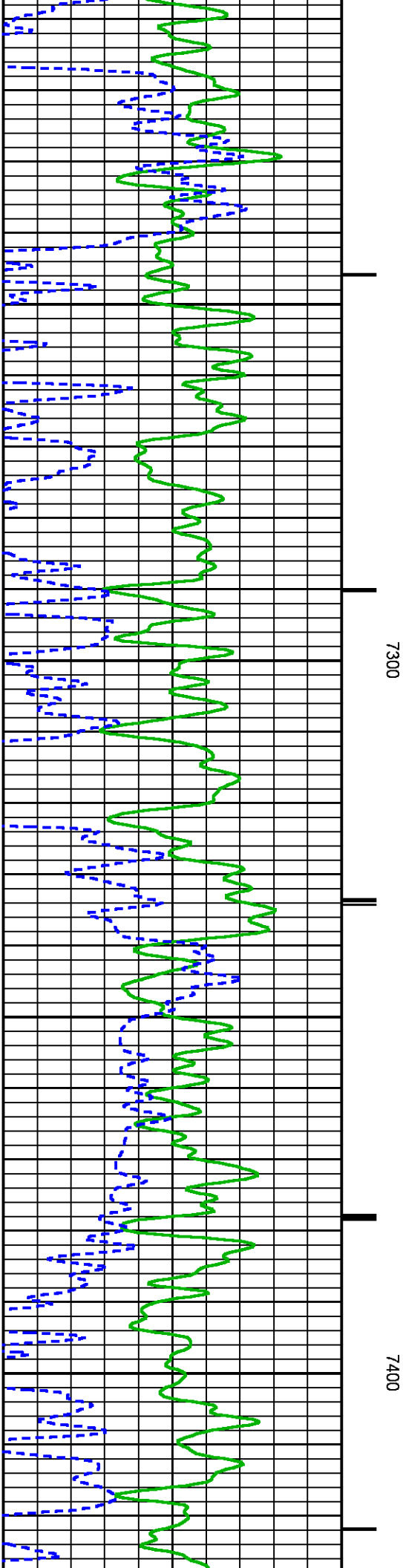
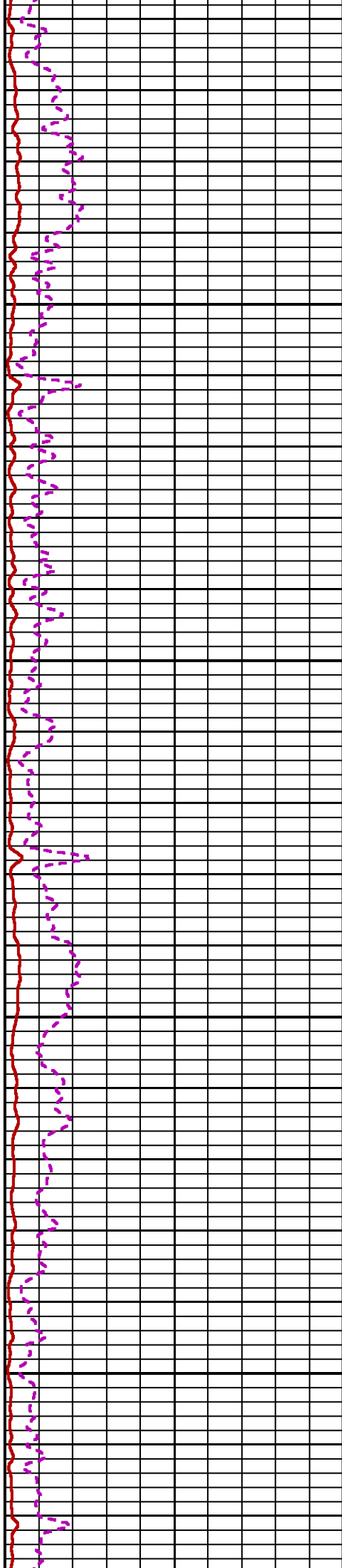
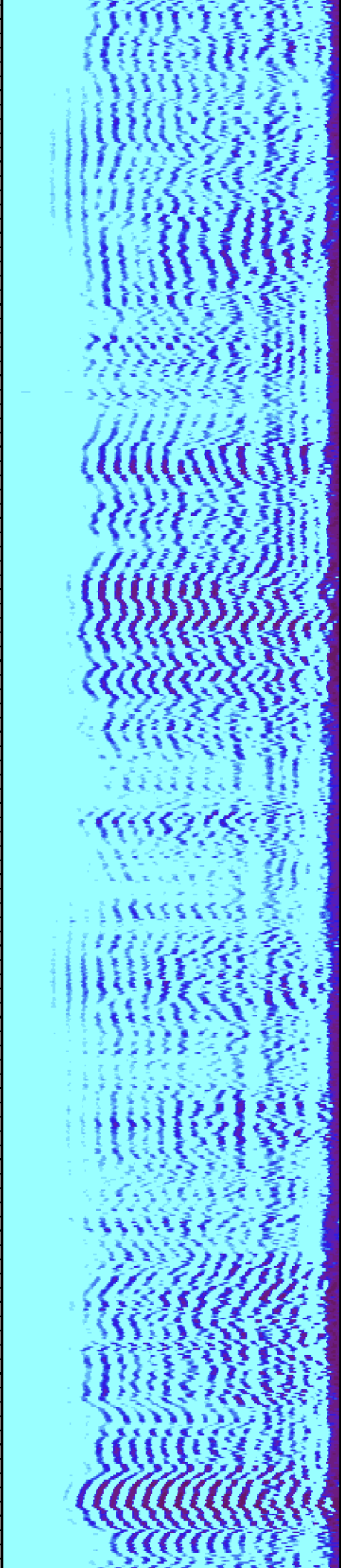




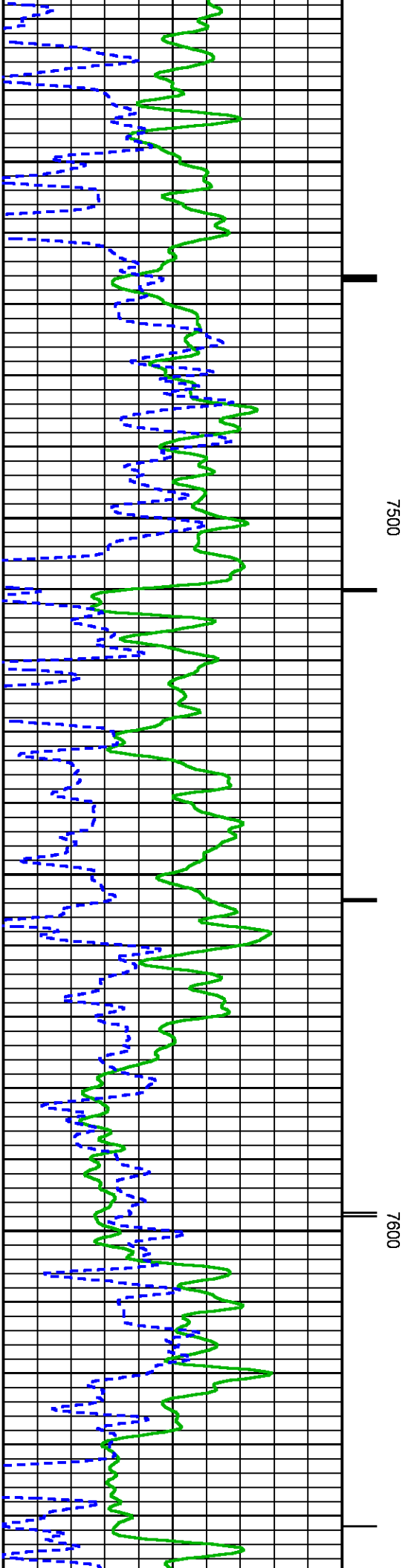
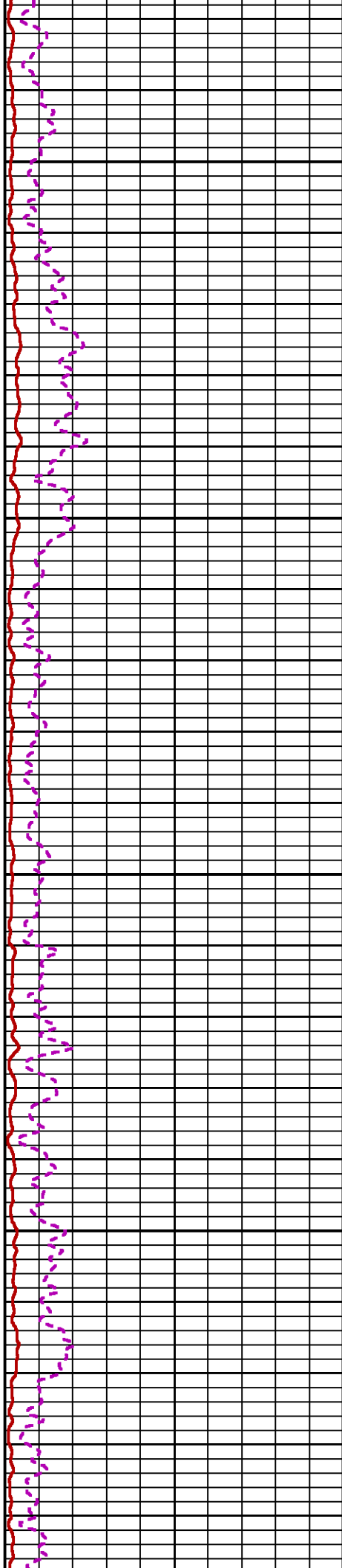
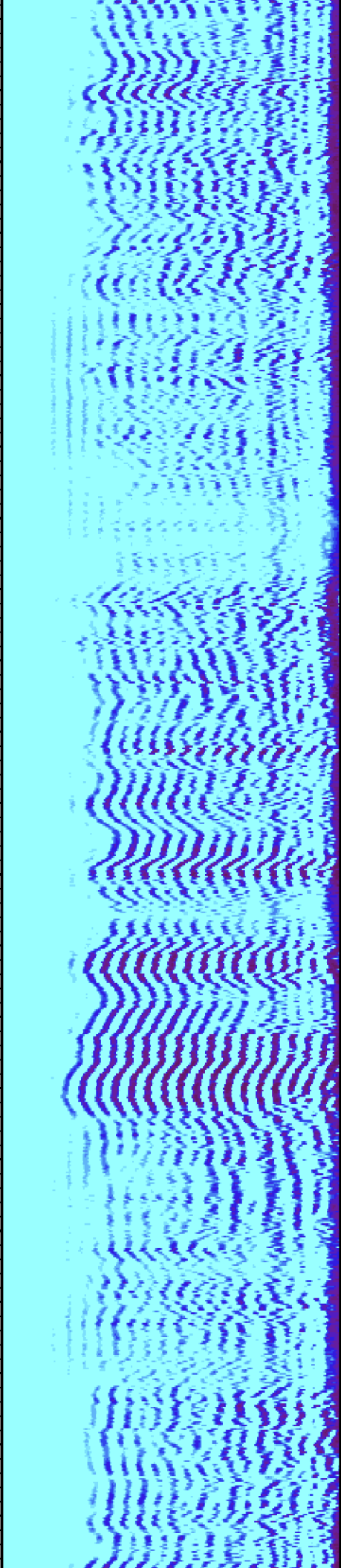


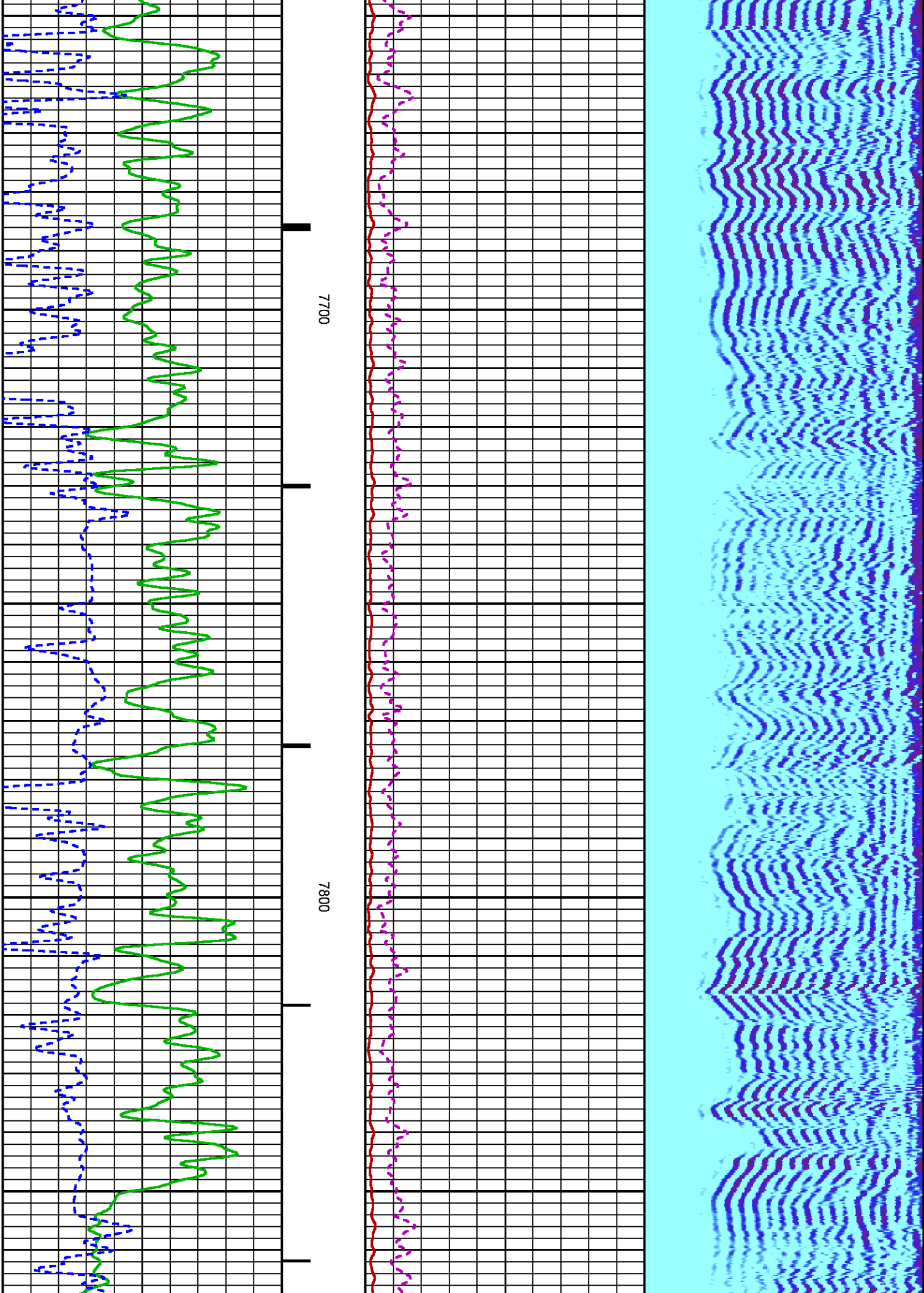


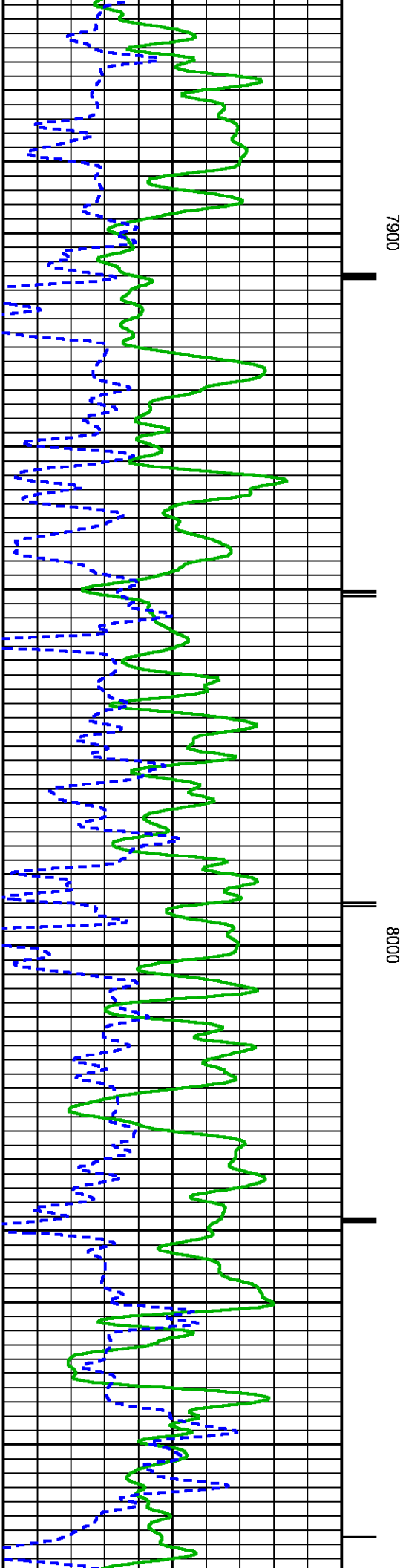
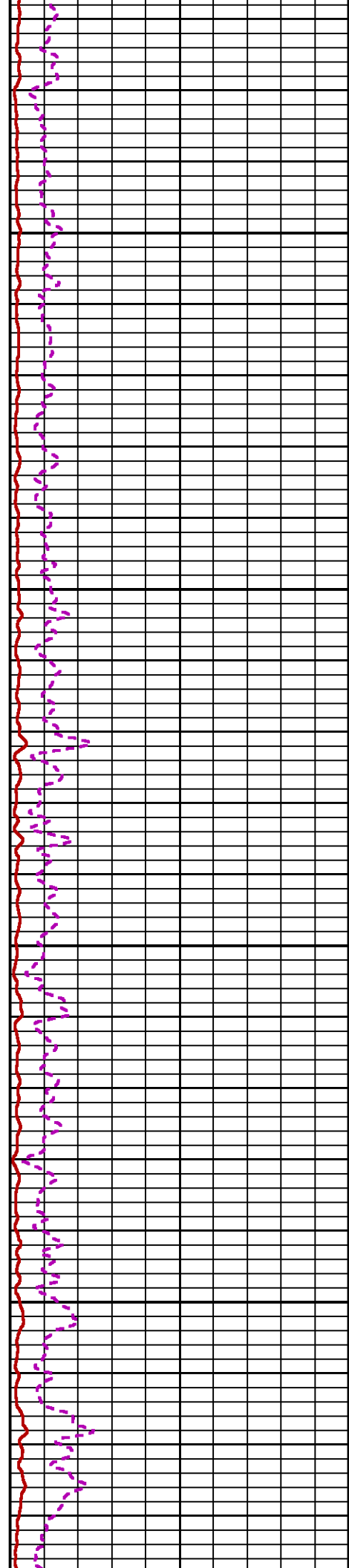
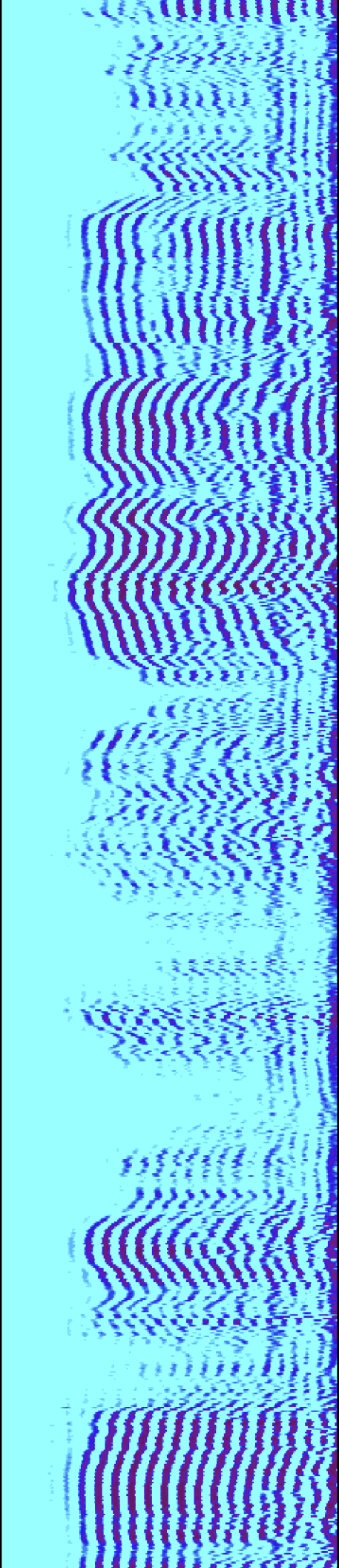


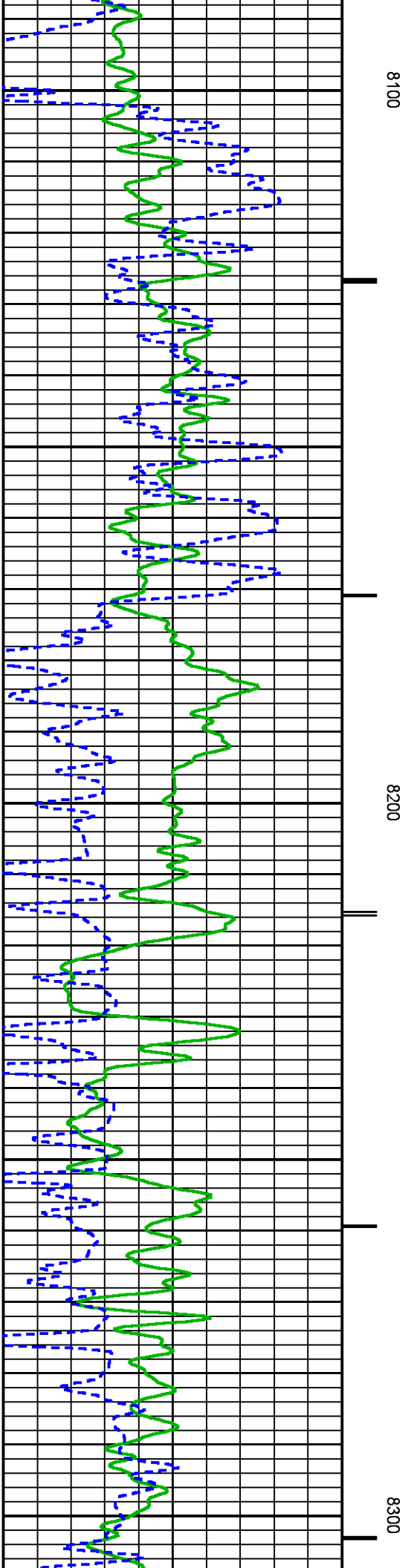
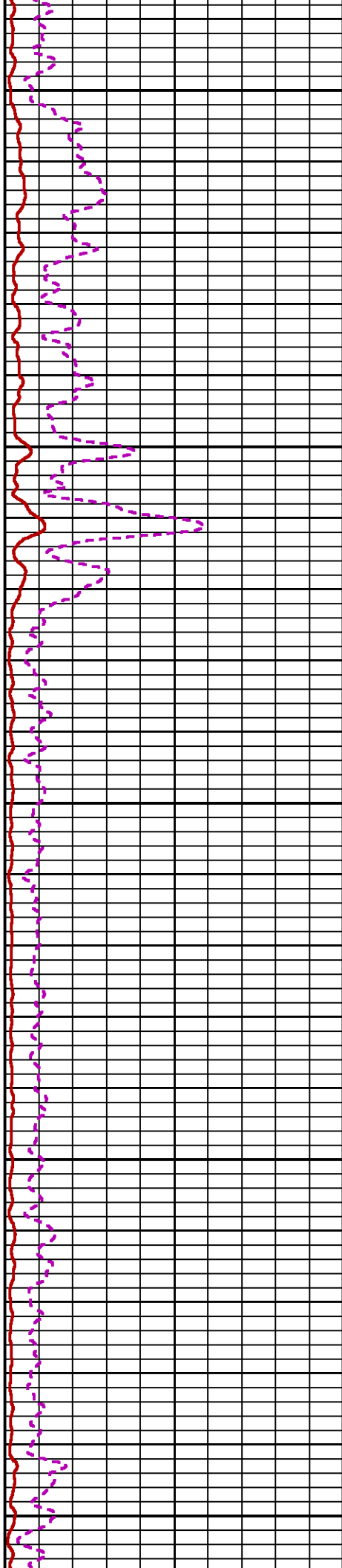
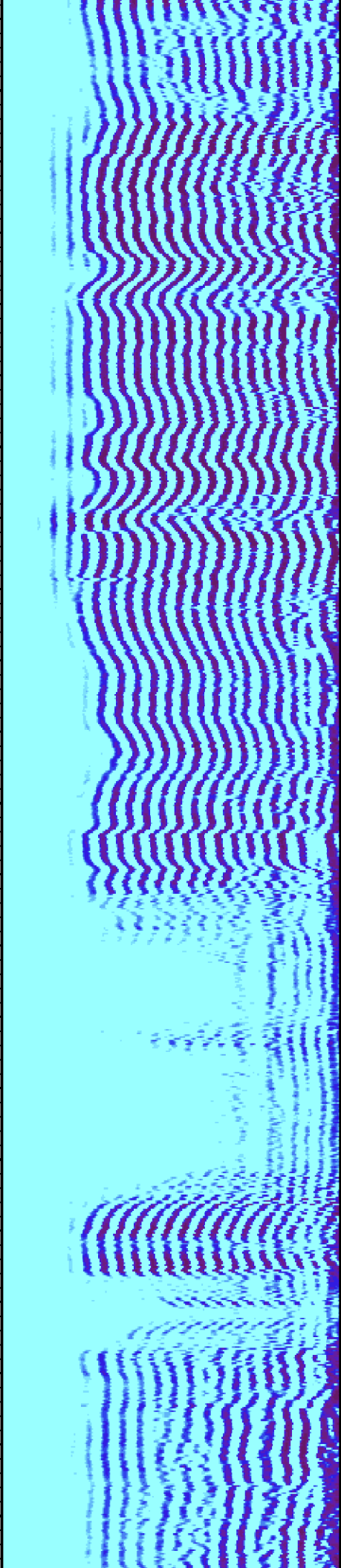




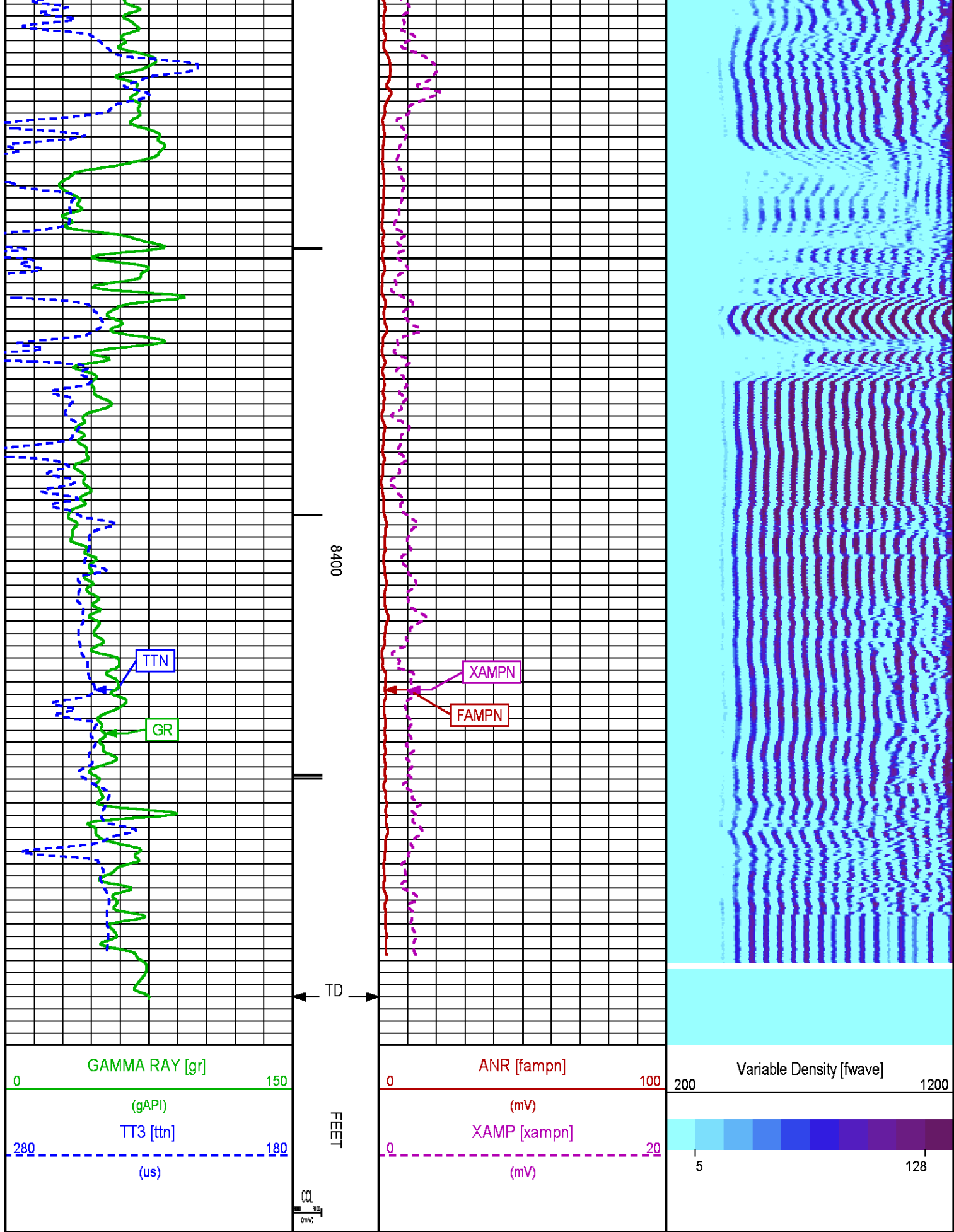












# SECONDARY PRESENTATION 0 PSI

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

Updates: 1 Patches: 4

Plotted: Sat Jan 10 16:11:02 2015

## PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093866/n012e04.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 35.250 ft BOTTOM DEPTH: 6252.250 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*)	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	"	"
TRAVEL TIME WINDOW (NEAR)	AMP WINDOW LENGTH	25	us	"	"
	TT WINDOW START (ttn*)	160	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-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	81	mV	TOP	BOTTOM
	FREE AMP REC 2	81	mV	"	"
	FREE AMP REC 3	81	mV	"	"
	FREE AMP REC 4	81	mV	"	"
	FREE AMP REC 5	81	mV	"	"
	FREE AMP REC 6	81	mV	"	"
	FREE AMP REC 7	81	mV	"	"
	FREE AMP REC 8	81	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

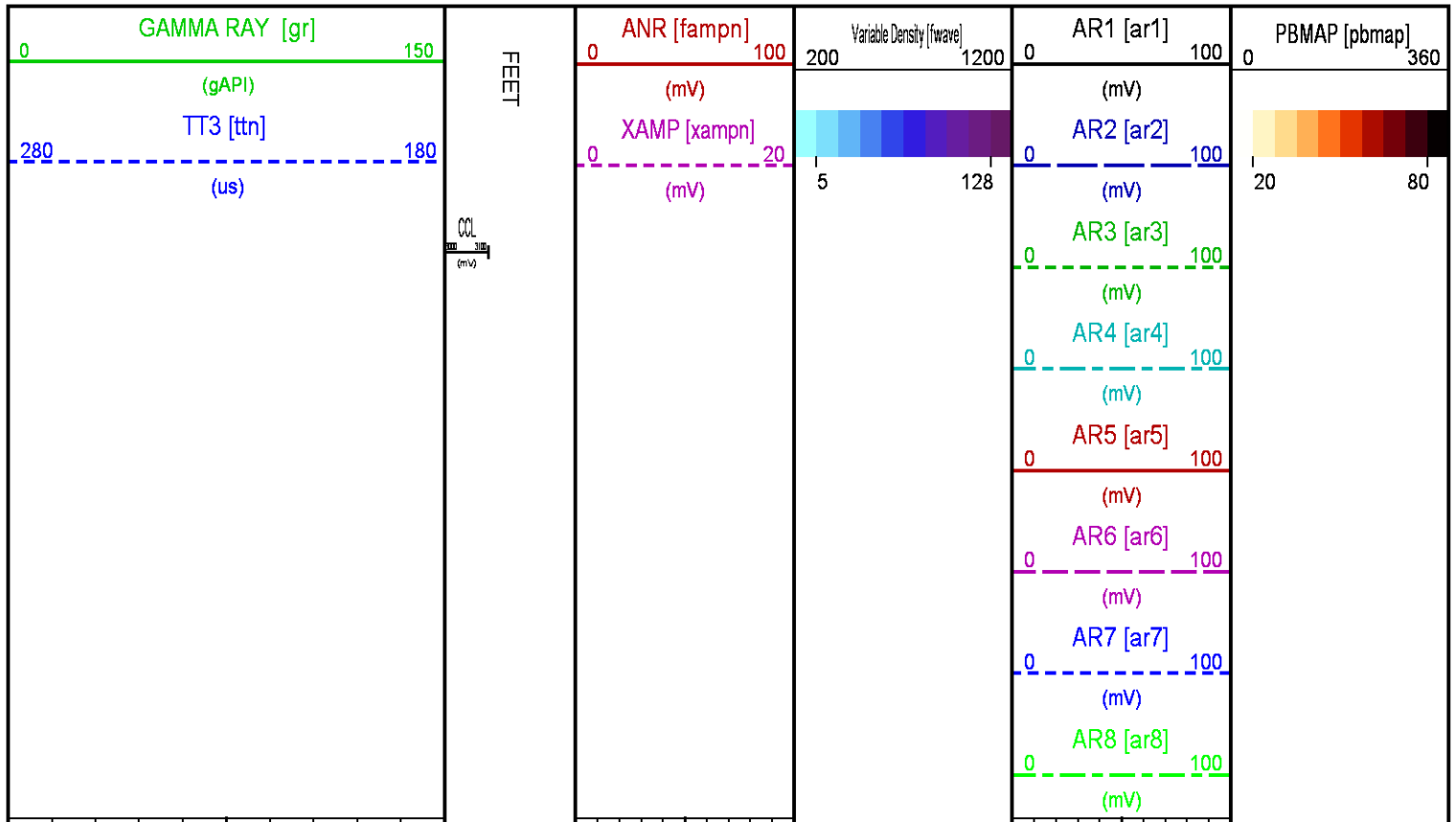
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Jan 8 10:09:22 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 8 10:09:22 2015	FAR WAVE FORM
F1:GR	Jan 8 10:09:22 2015	GAMMA RAY
F1:PBMAP	Jan 8 10:09:22 2015	PERCENT BOND CEMENT MAP
F1:TTN	Jan 8 10:09:22 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 8 10:09:22 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

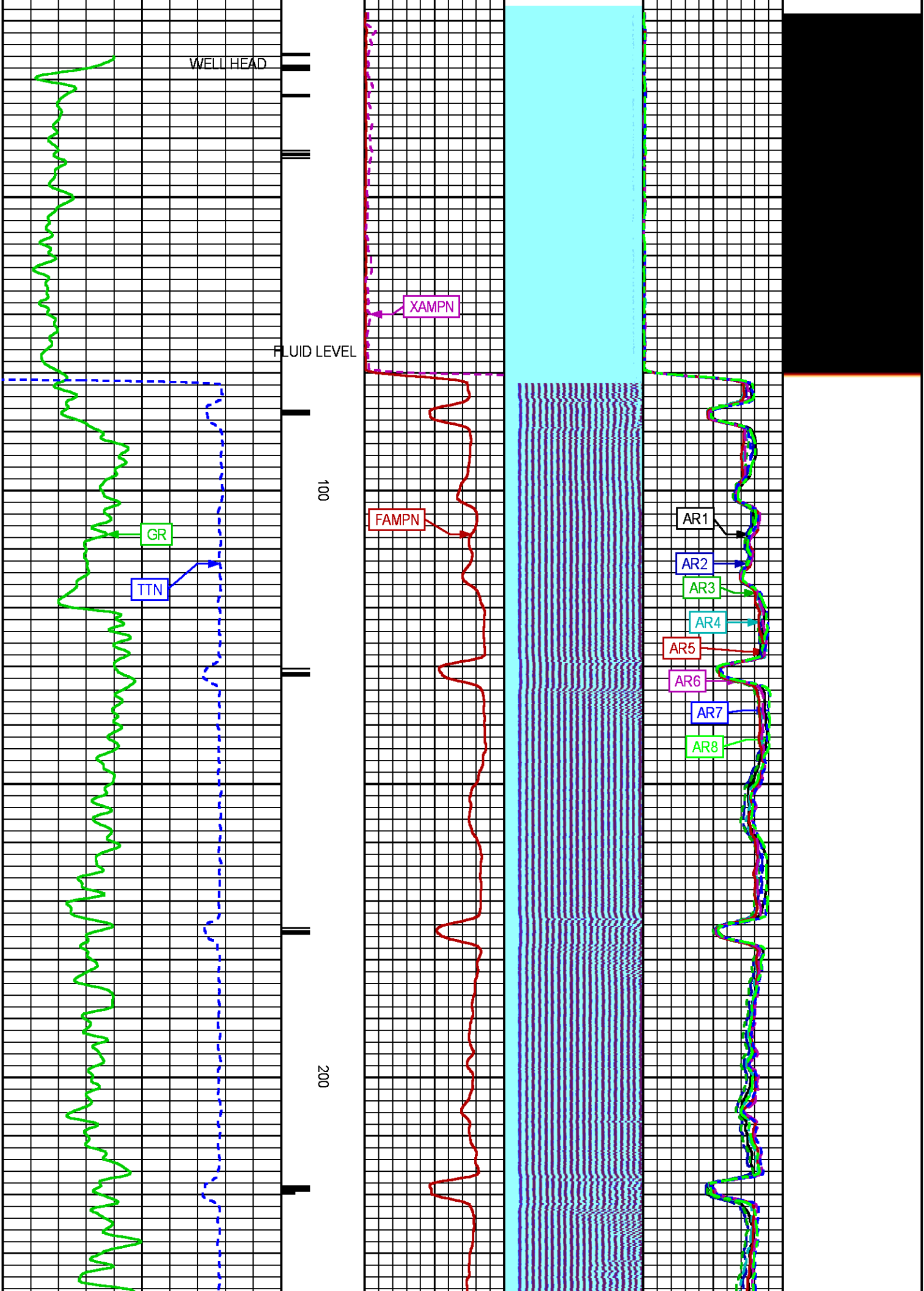
## CURVE MEASURE POINT OFFSET

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	13.75	TTN	13.75		

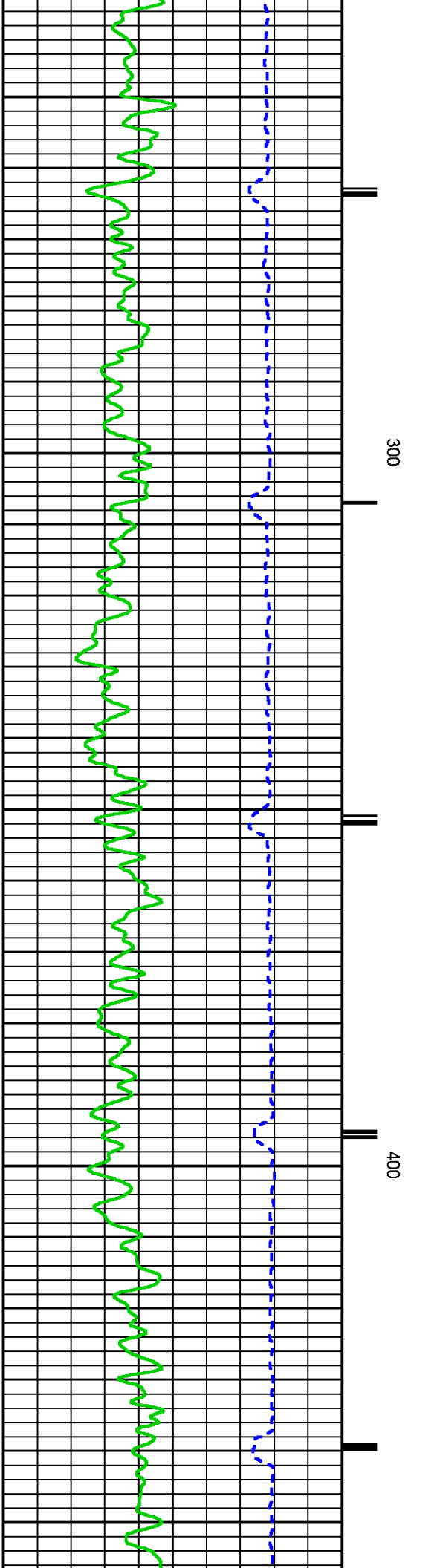
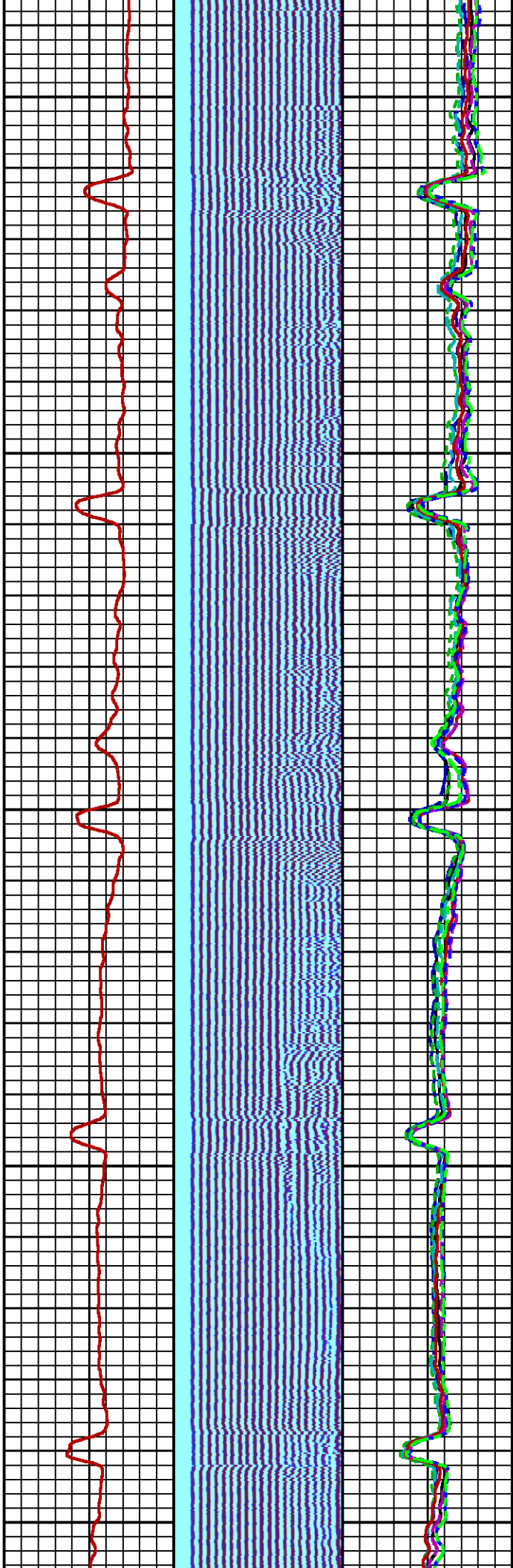
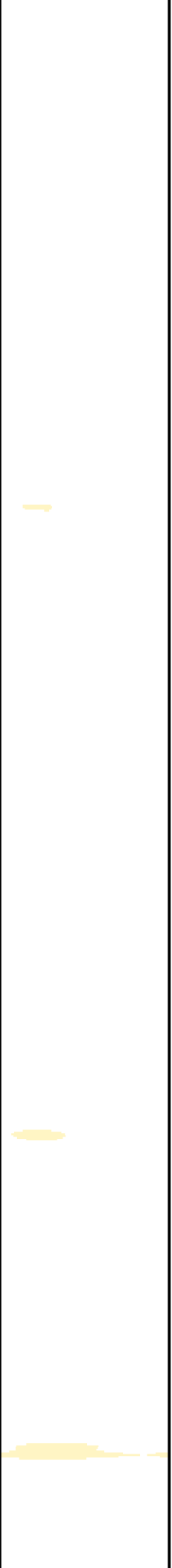
Presentation : HL6670:WPX\_CBL\_SECONDARY\_PRESENTATION.fvpdf [5"/100' Scale]  
Plot Interval : 17.5 - 8480 Feet

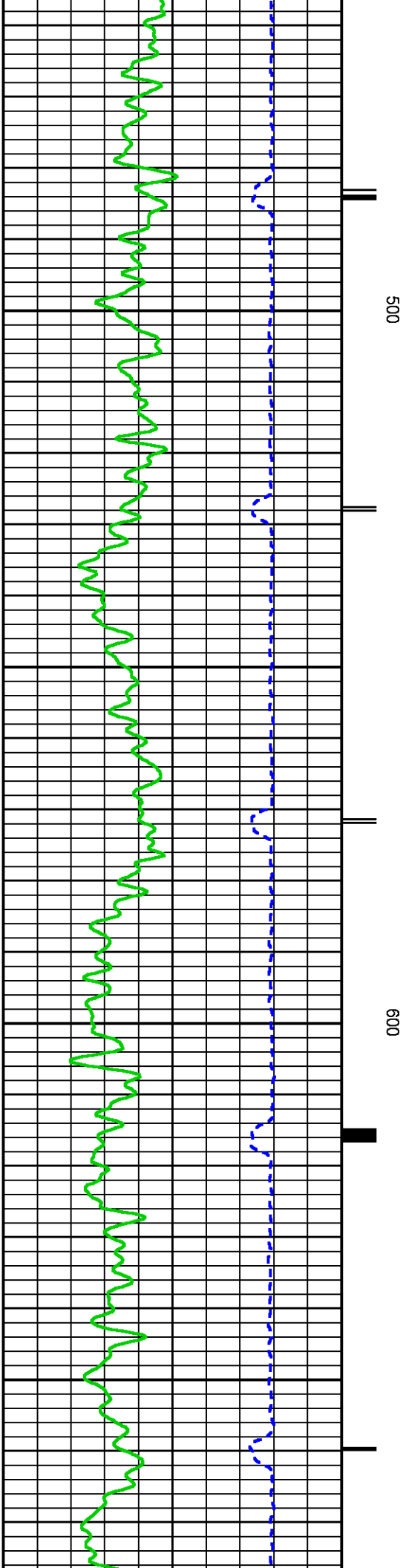
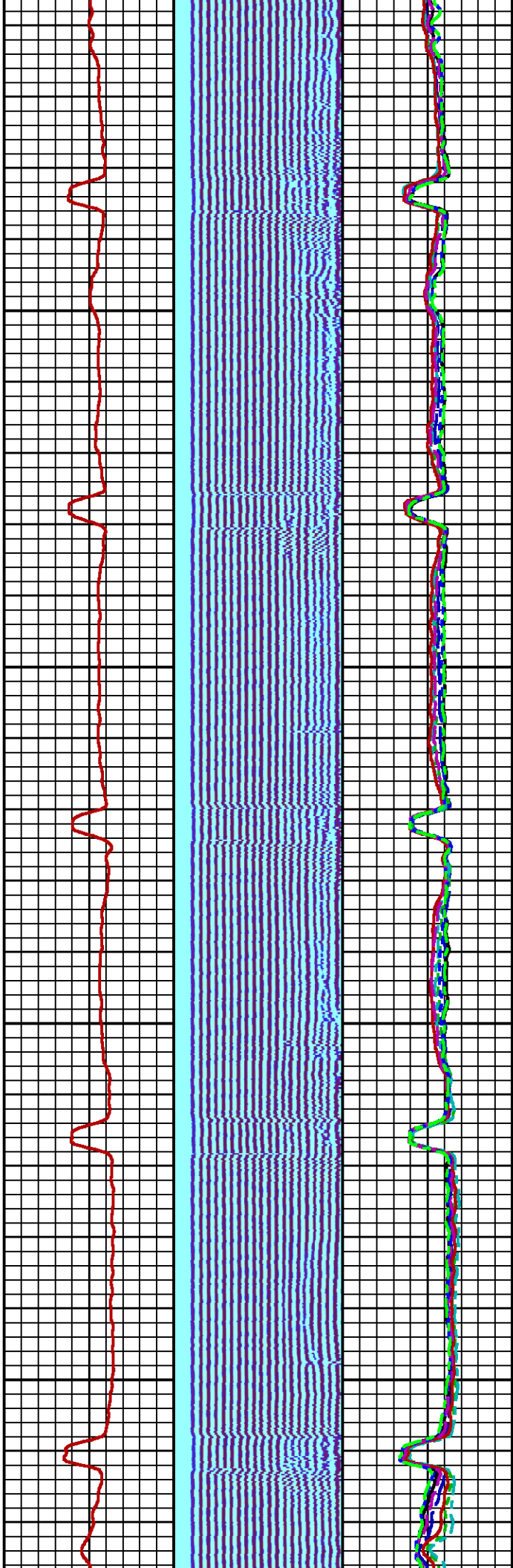
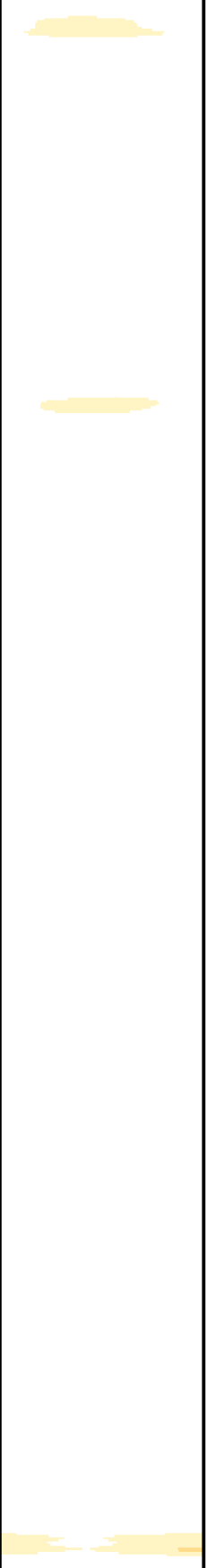
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Created On : Jan 8 10:09:22 2015  
Company : WPX ENERGY ROCKY MTN LLC  
Well : FEDERAL PA 333-27  
Field : PARACHUTE  
File Interval : 17.5 - 8484 Feet  
OCT : n012e

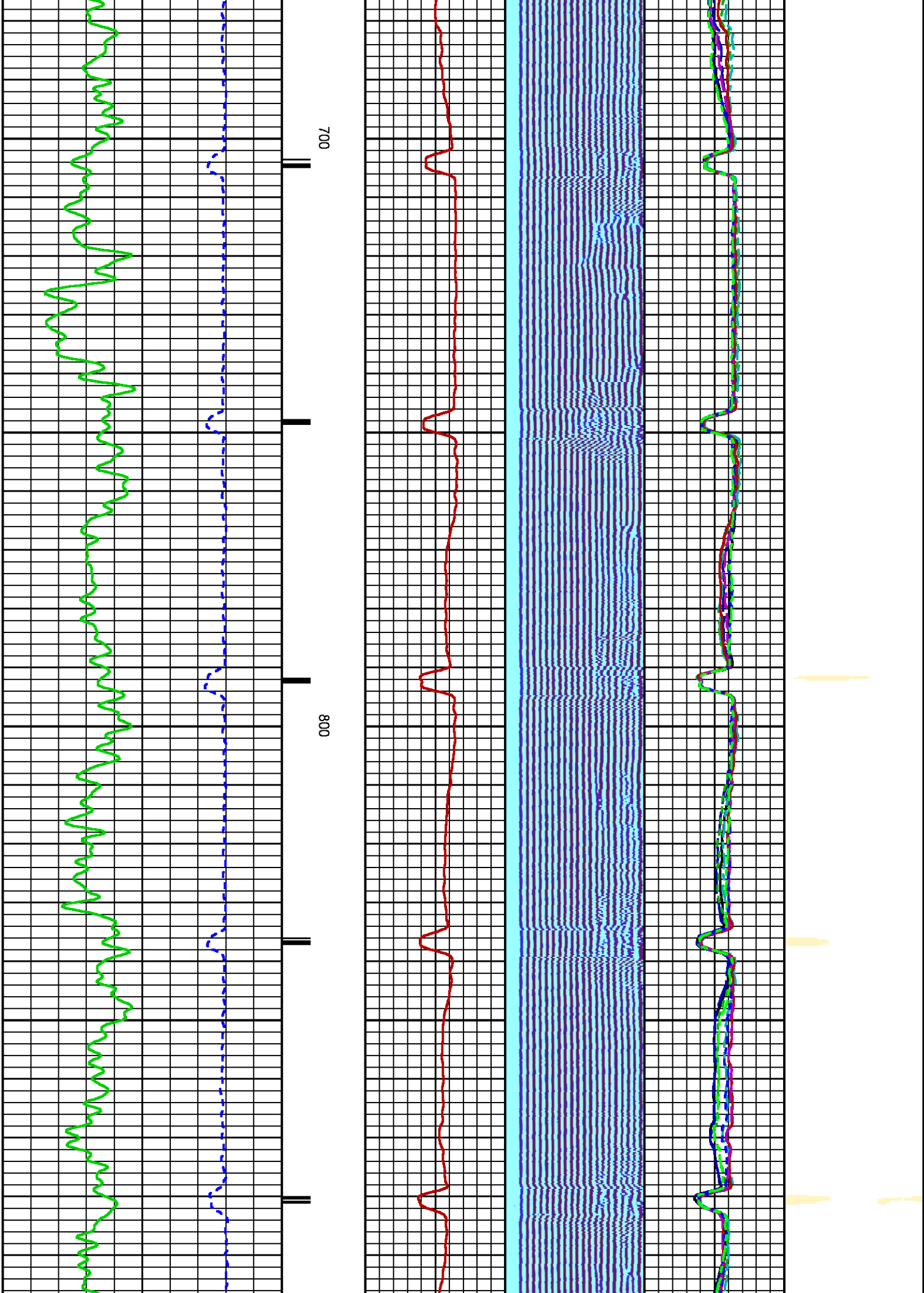


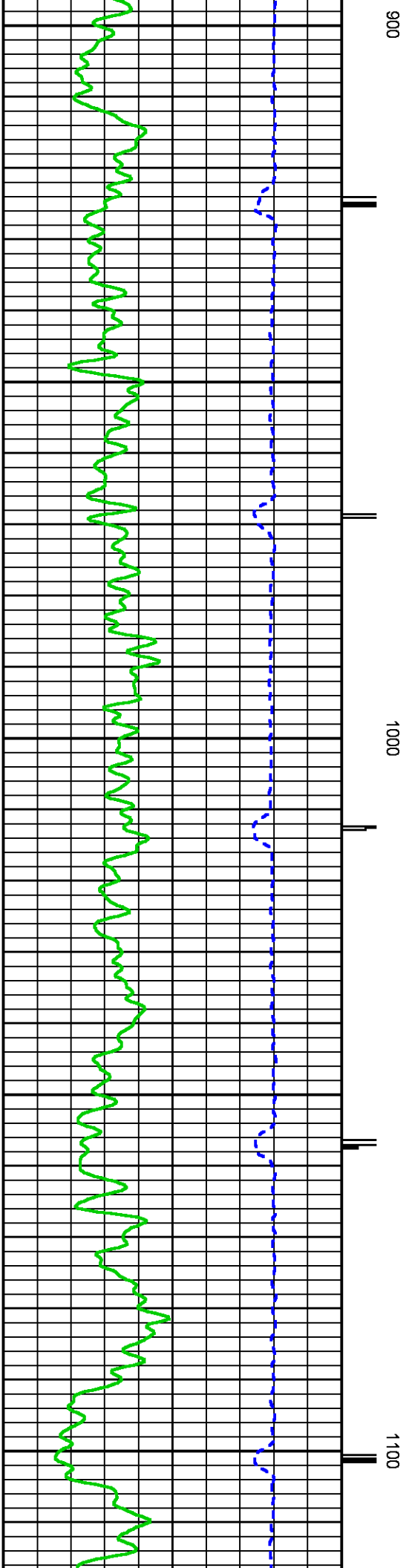
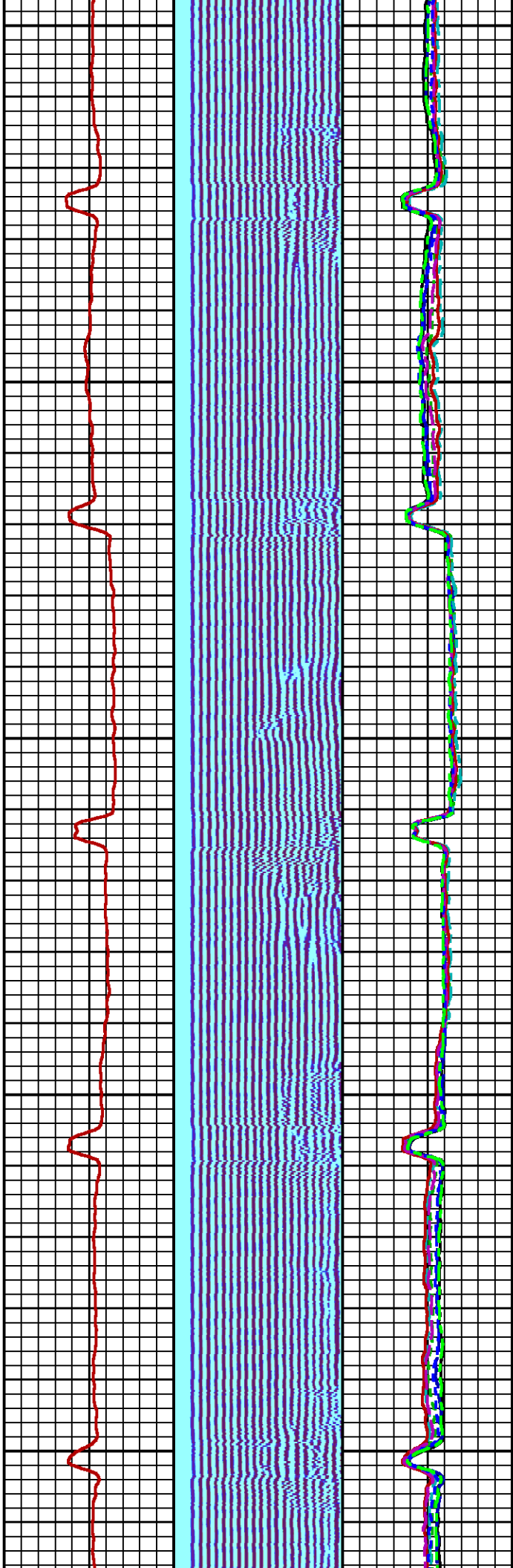
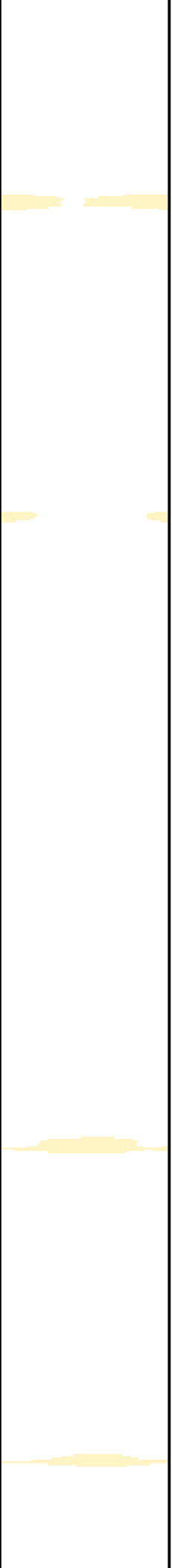




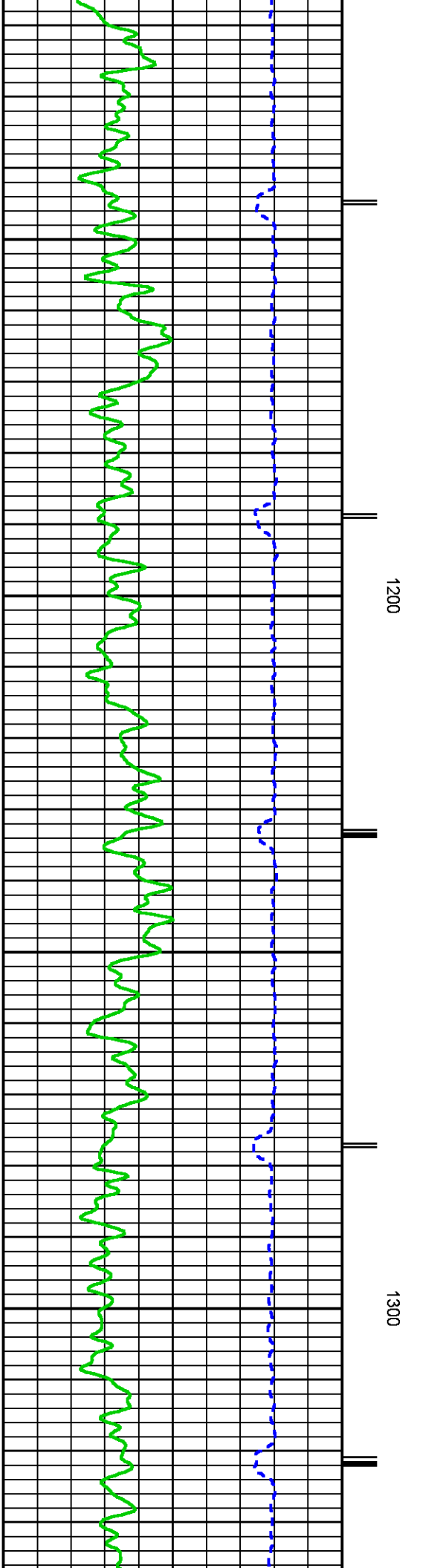
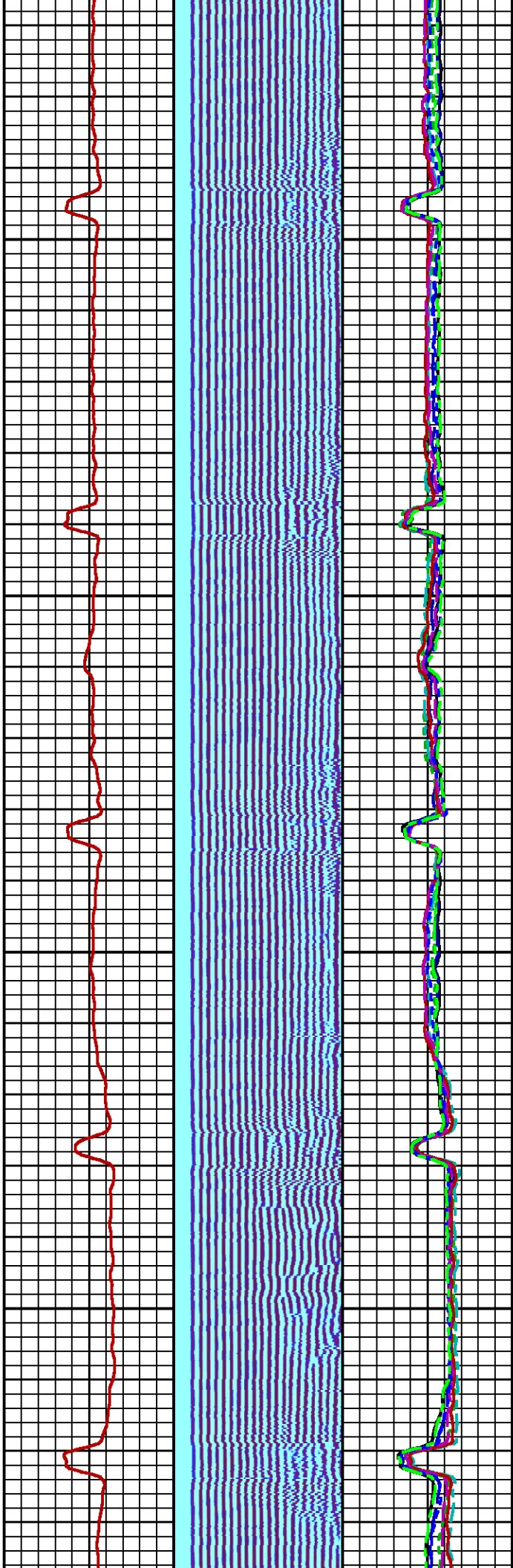
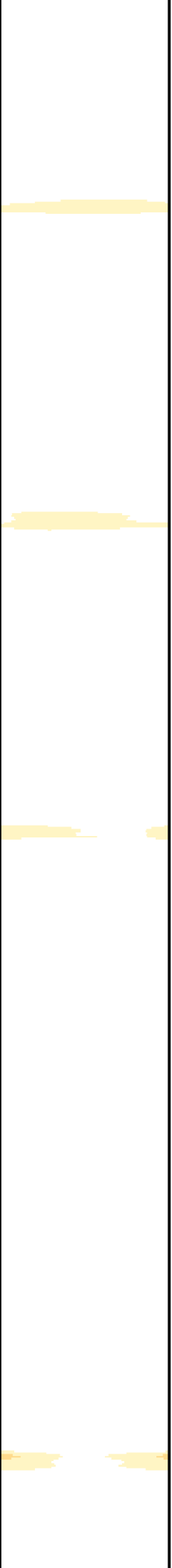


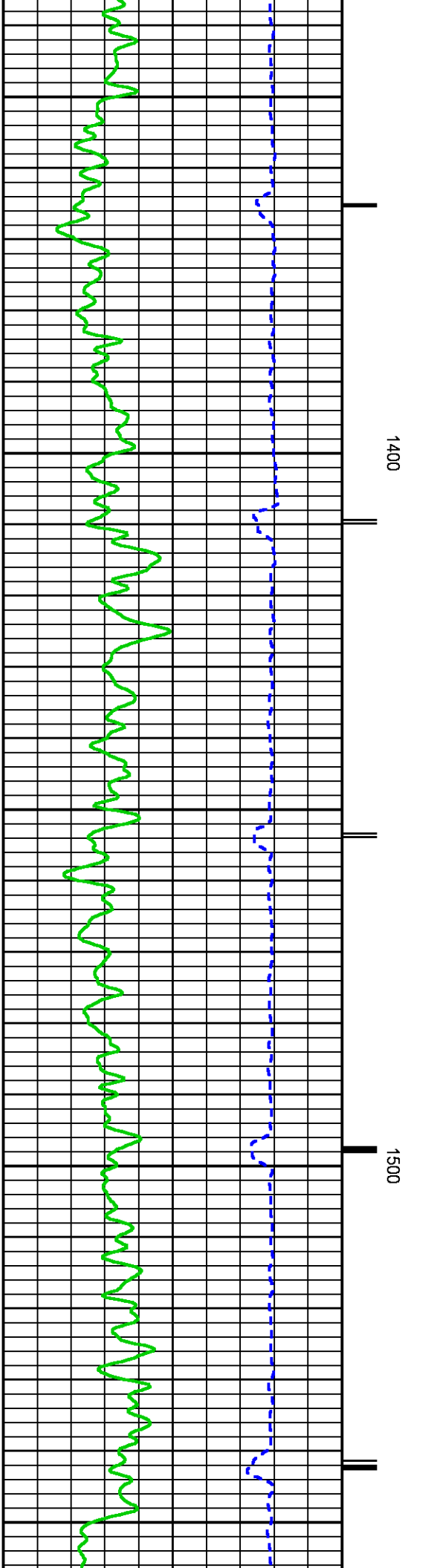
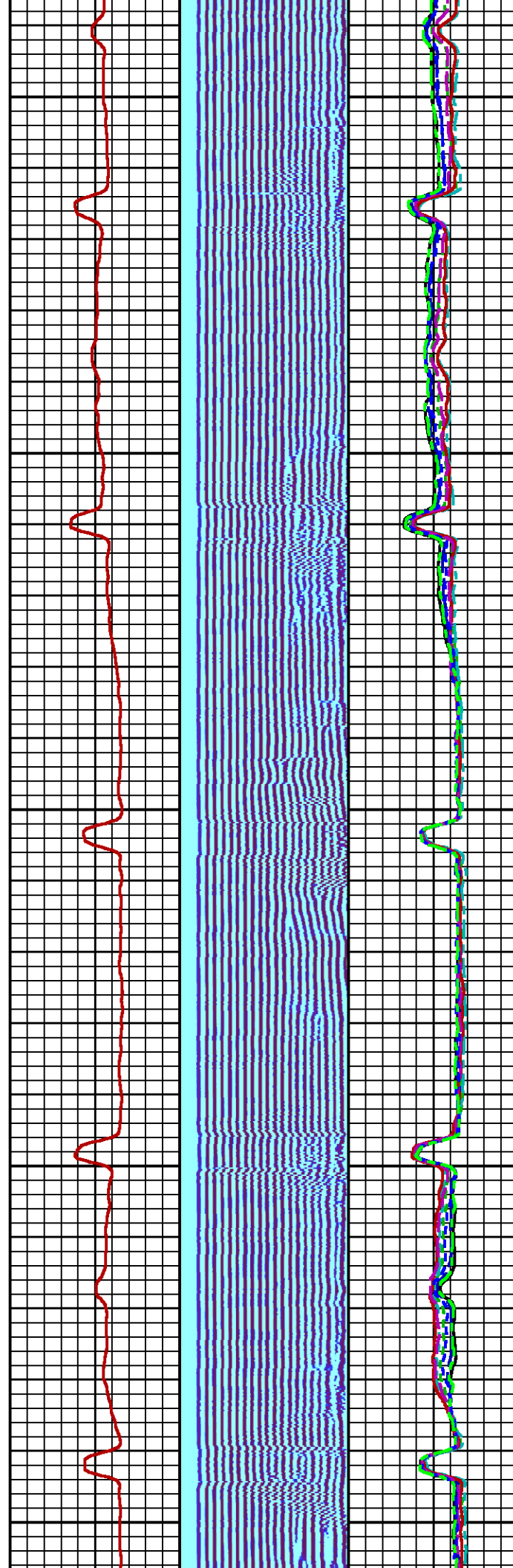
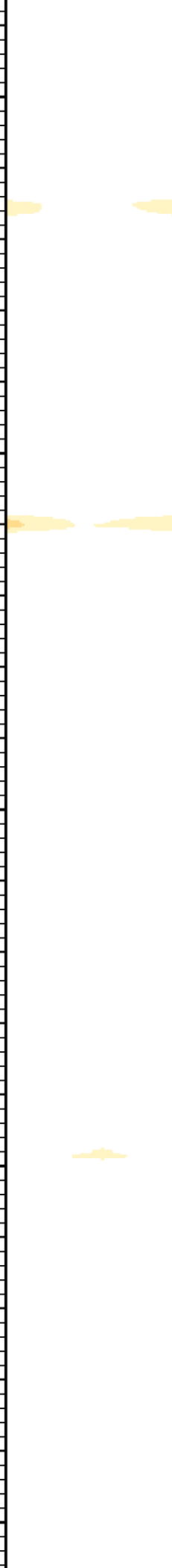


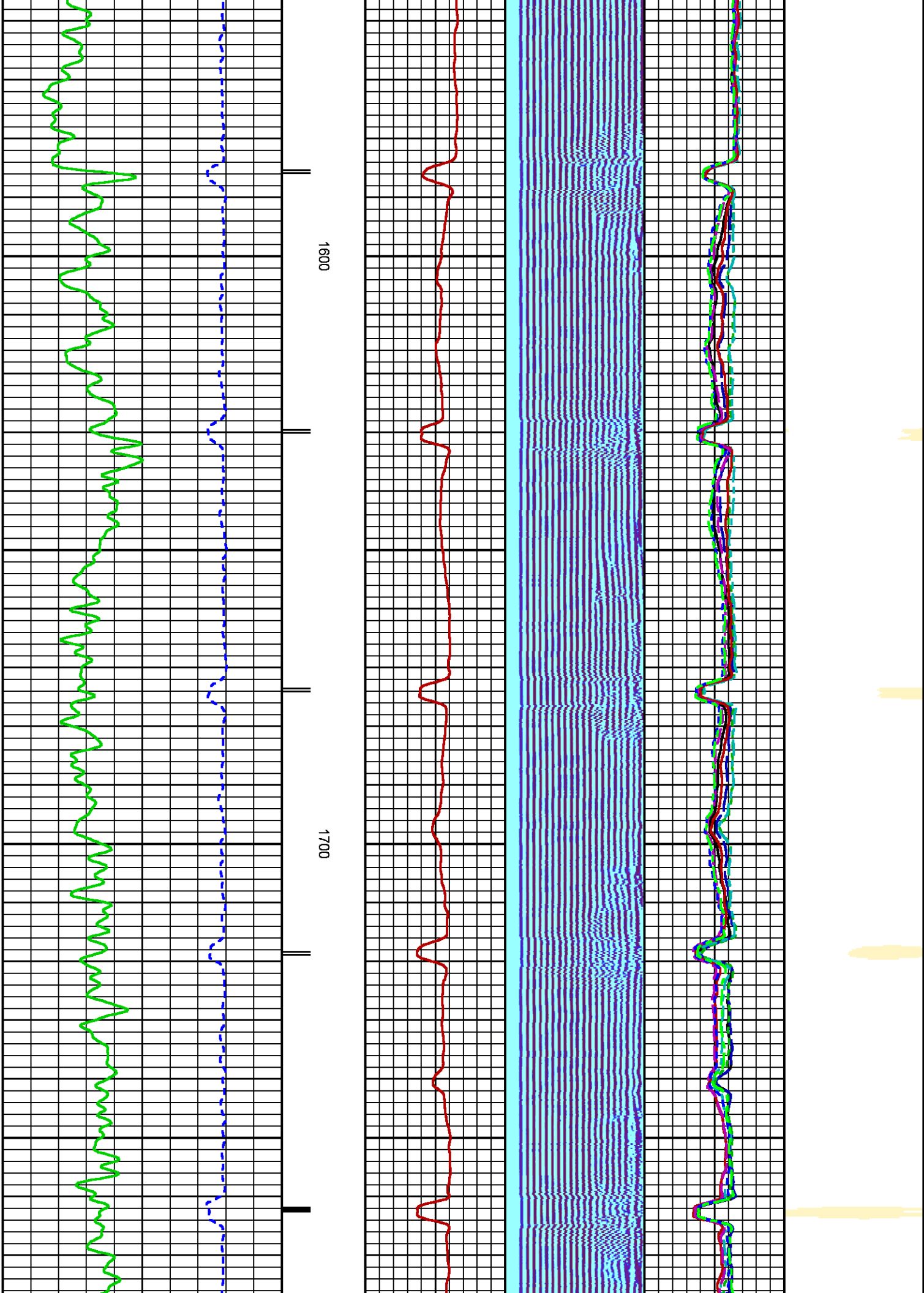


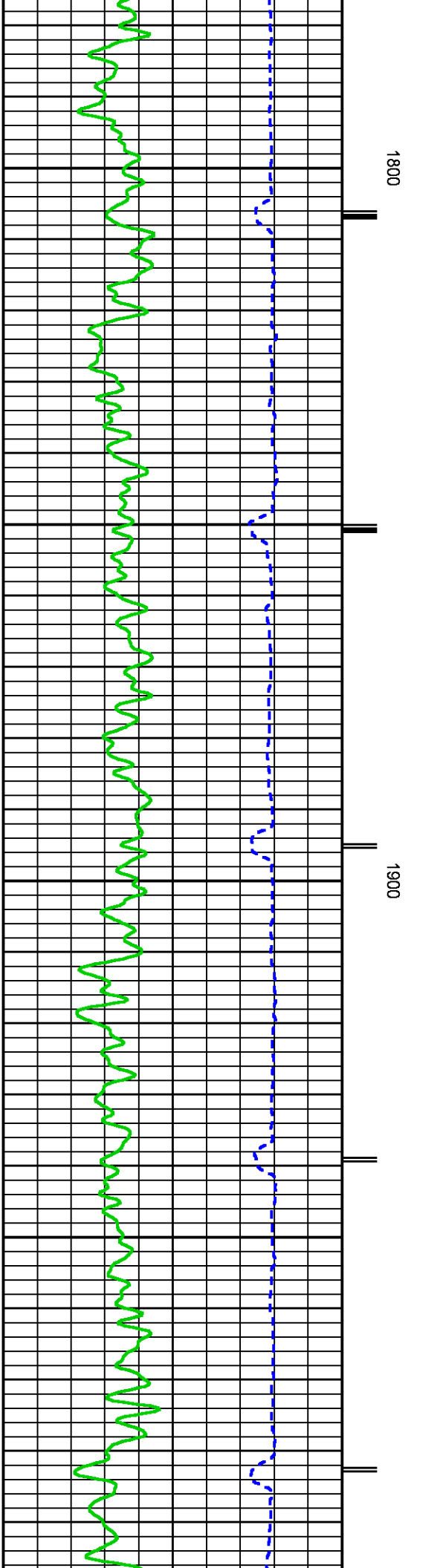
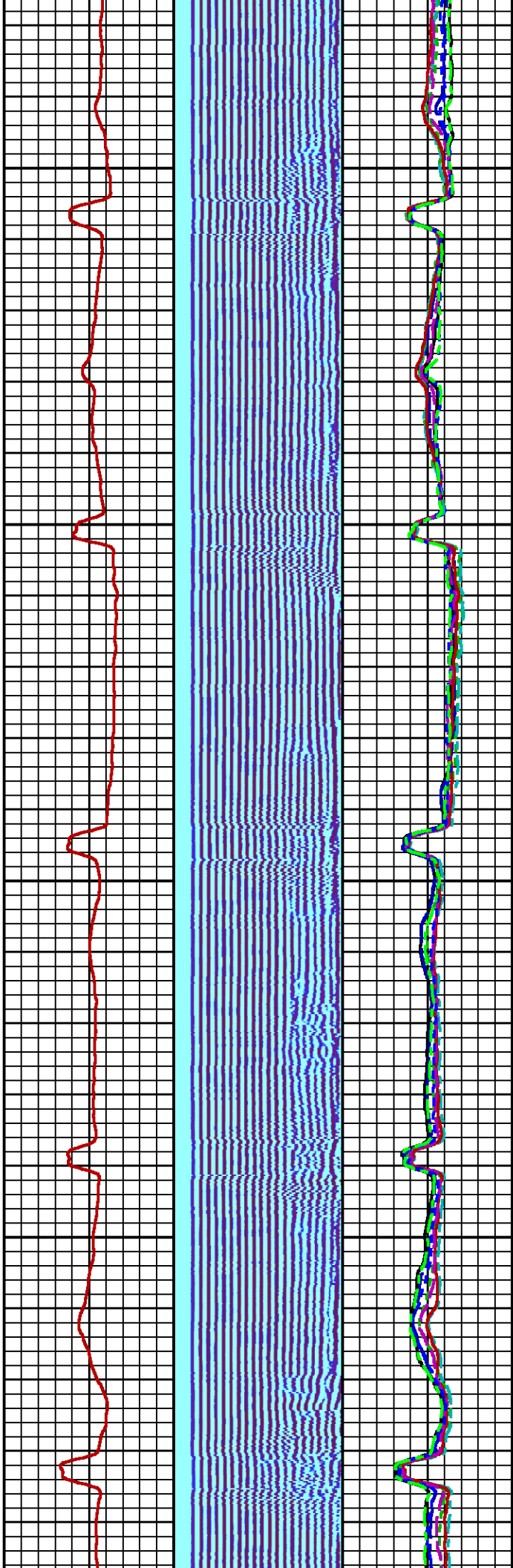
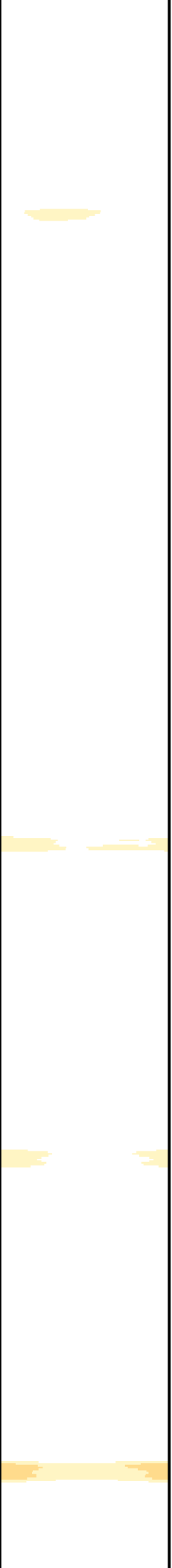




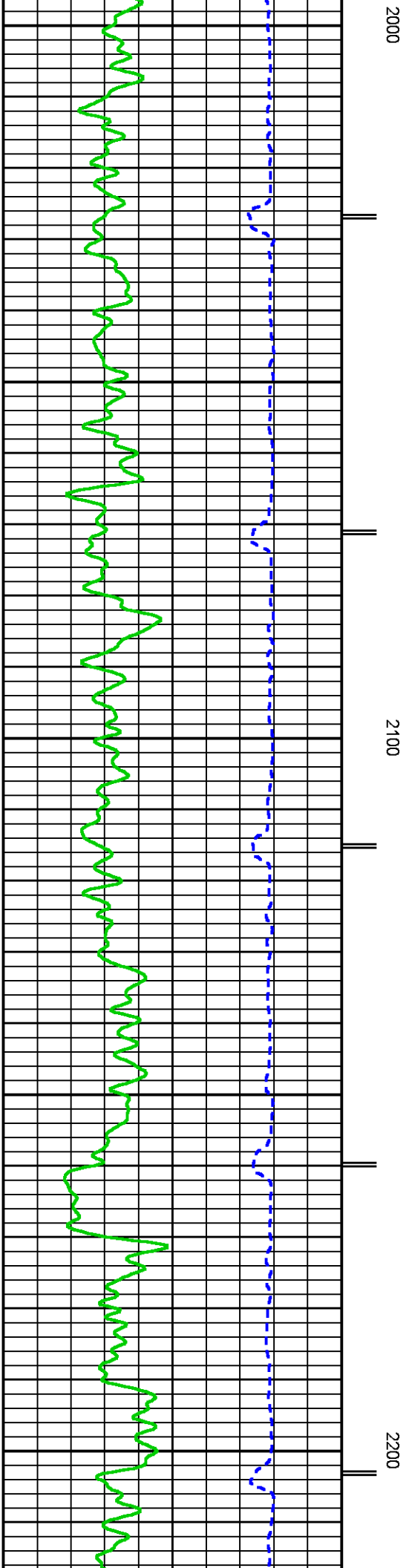
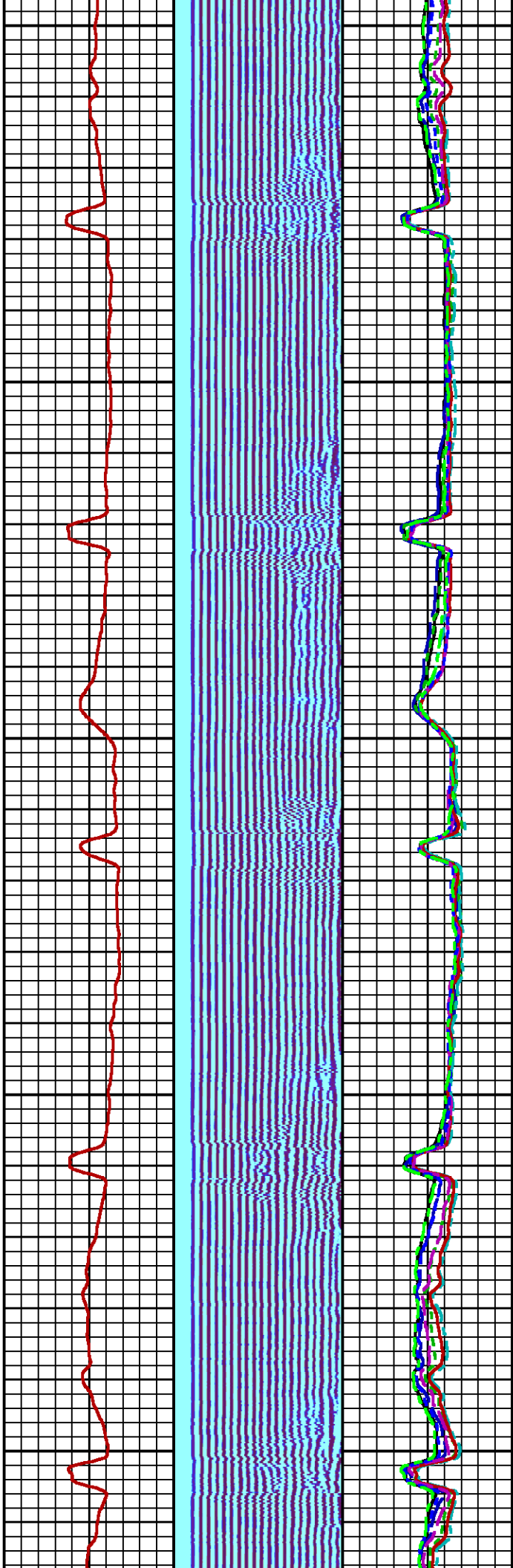


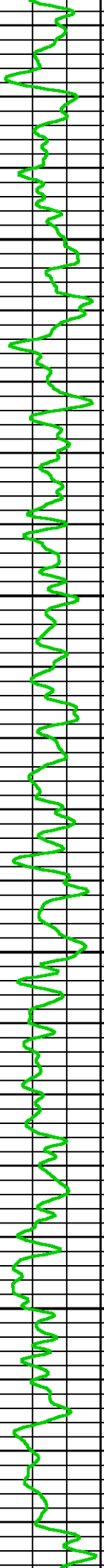
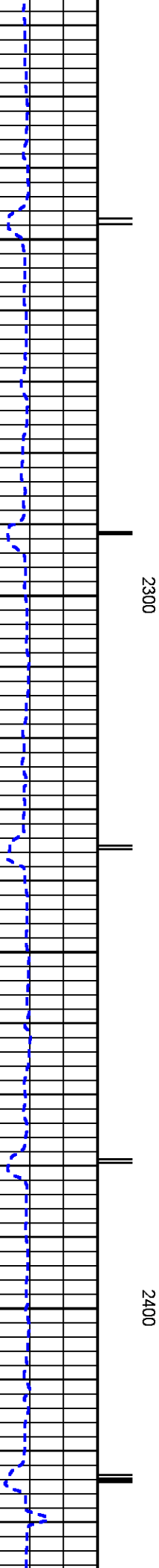
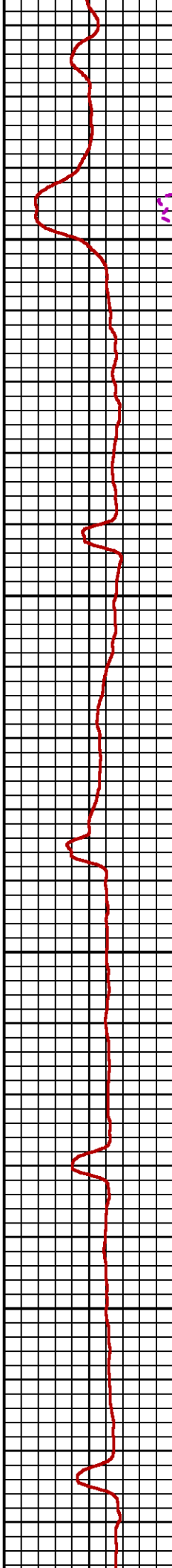
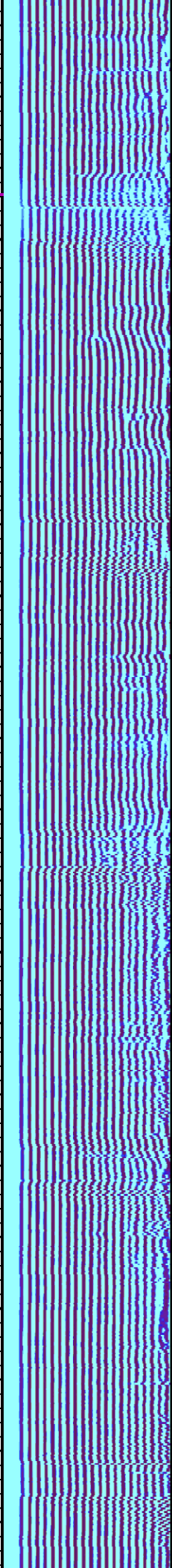
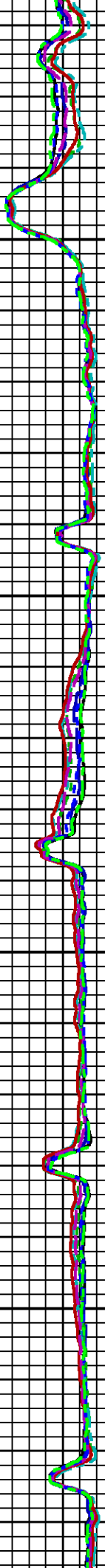
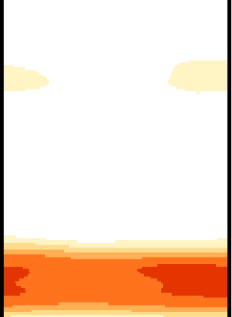


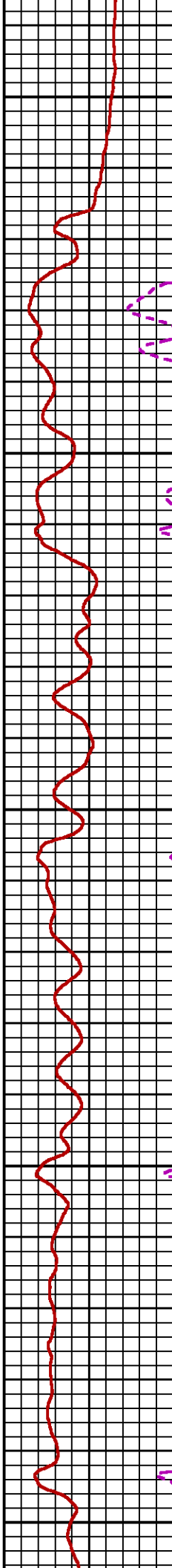
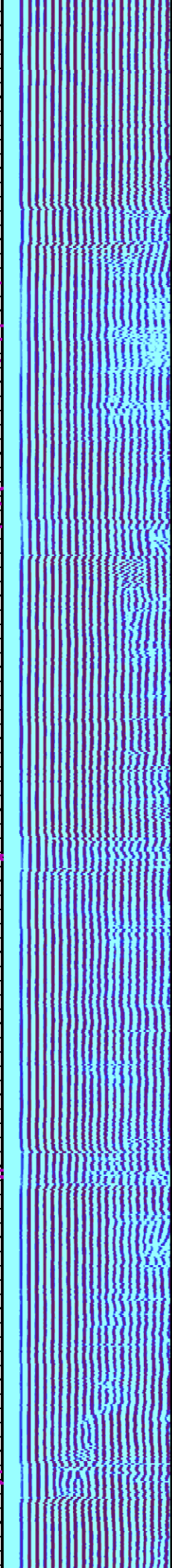
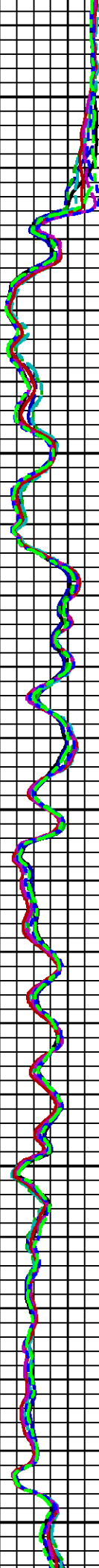
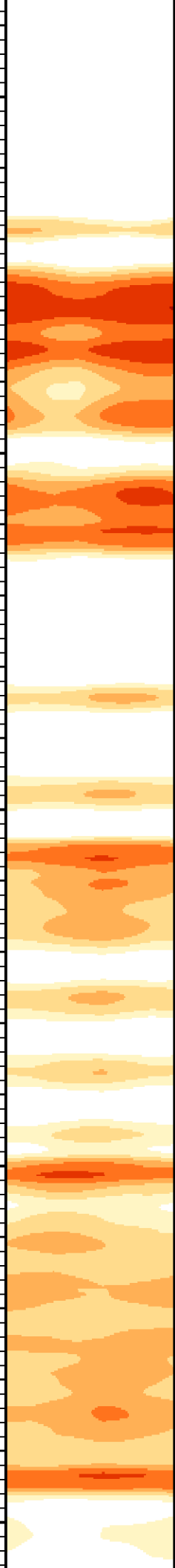






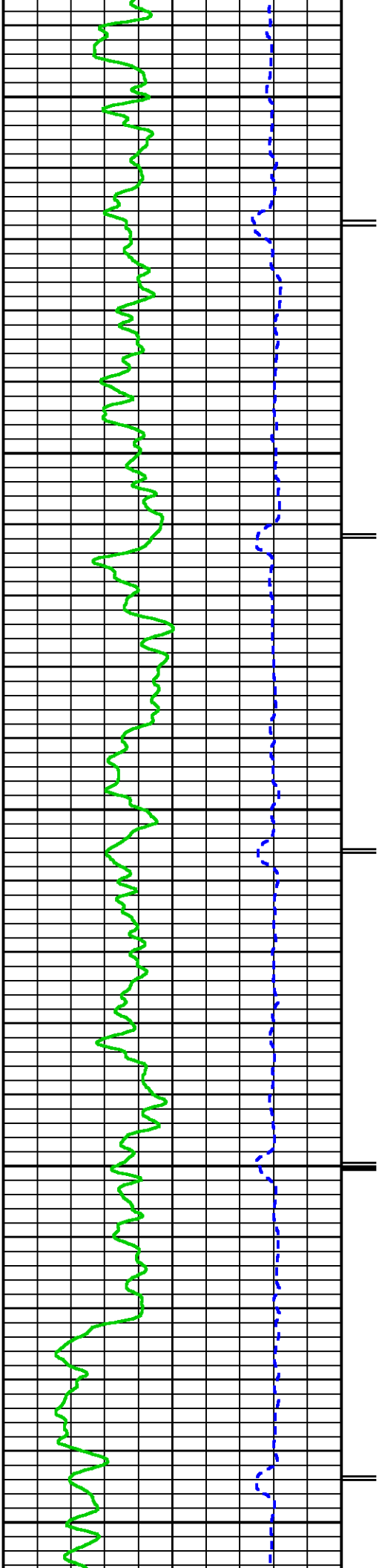


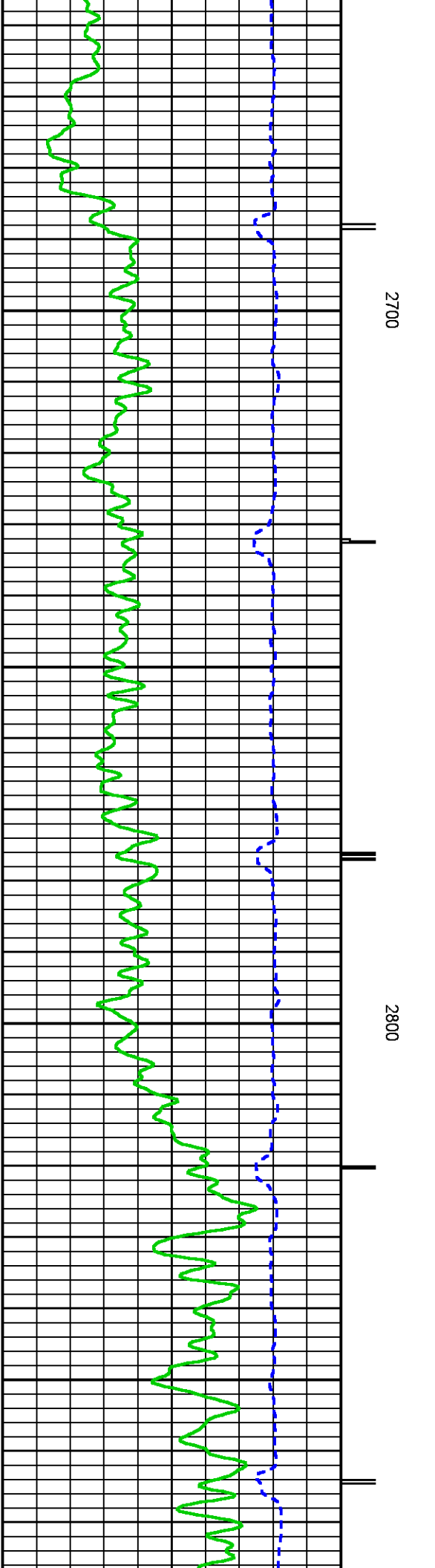
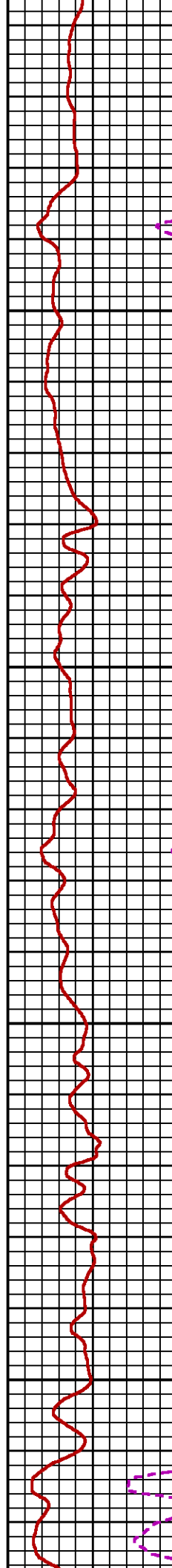
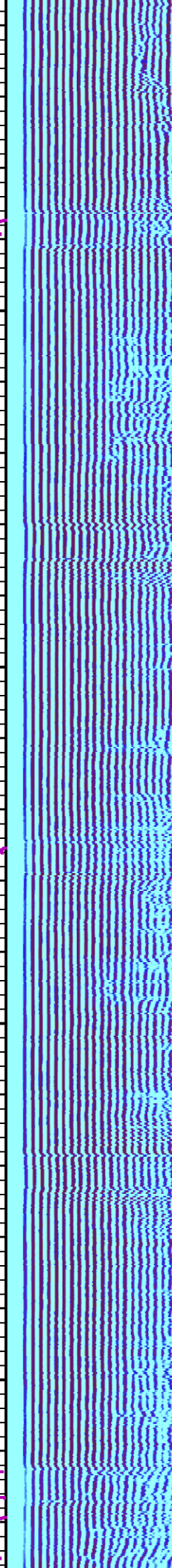
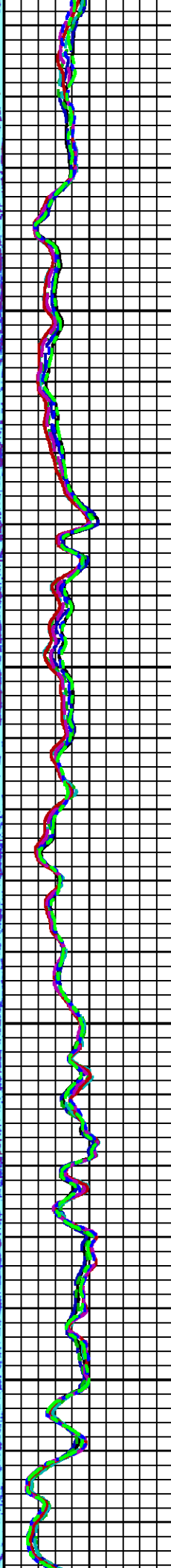
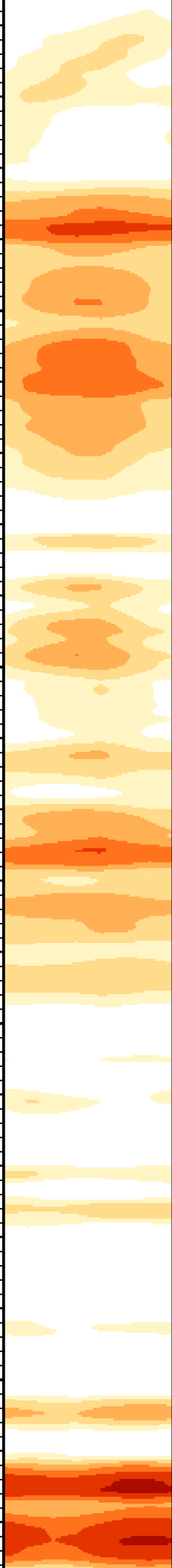




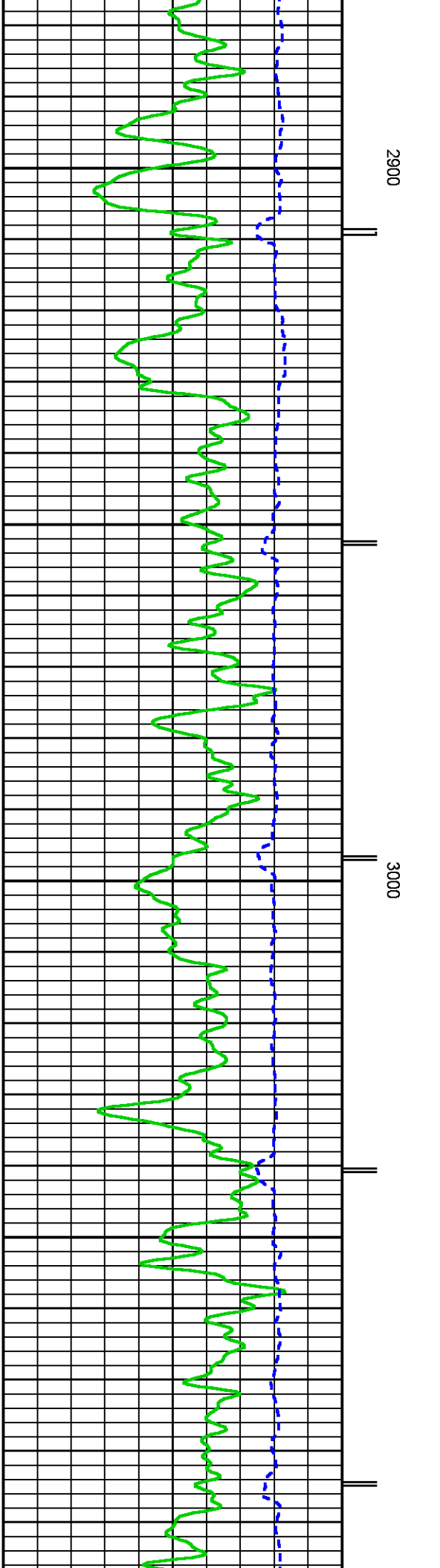
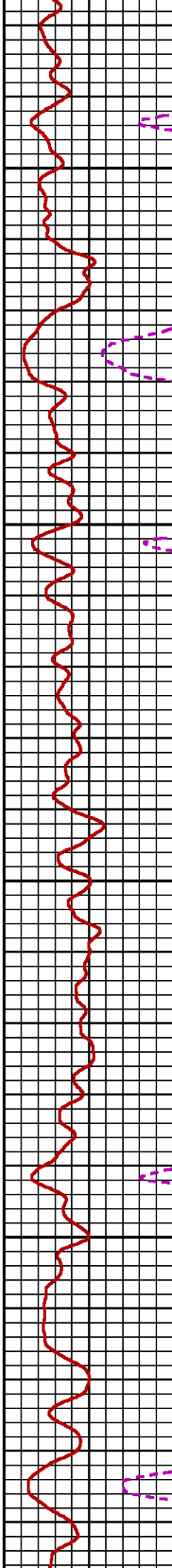
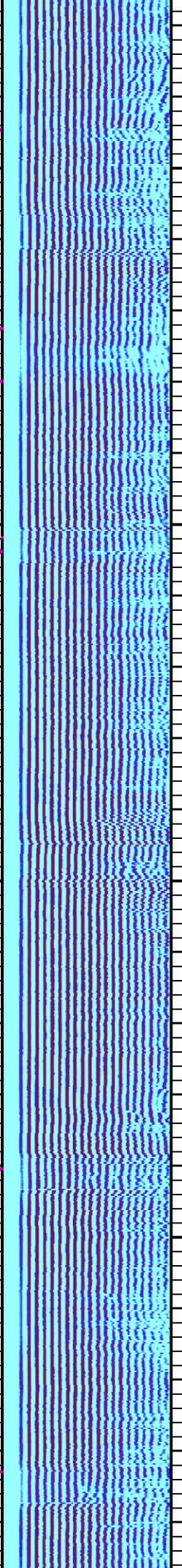
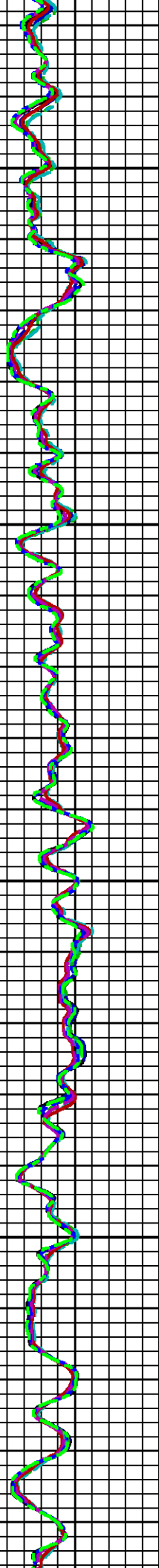
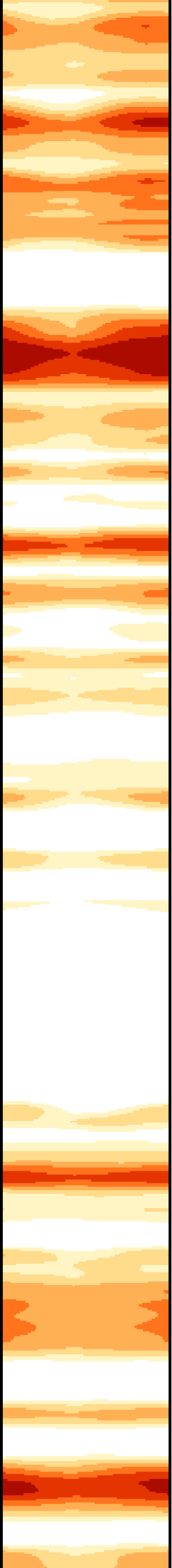
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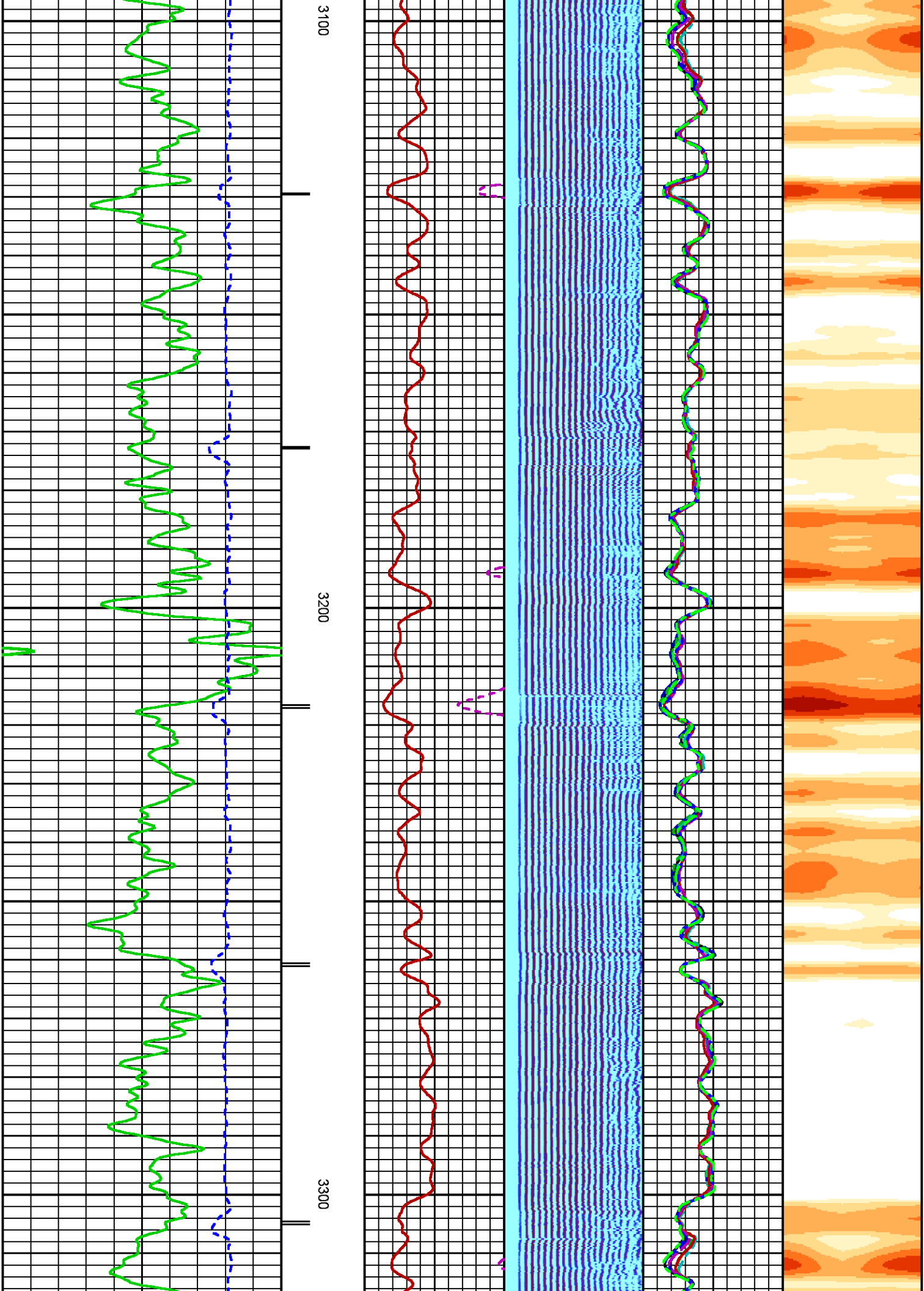
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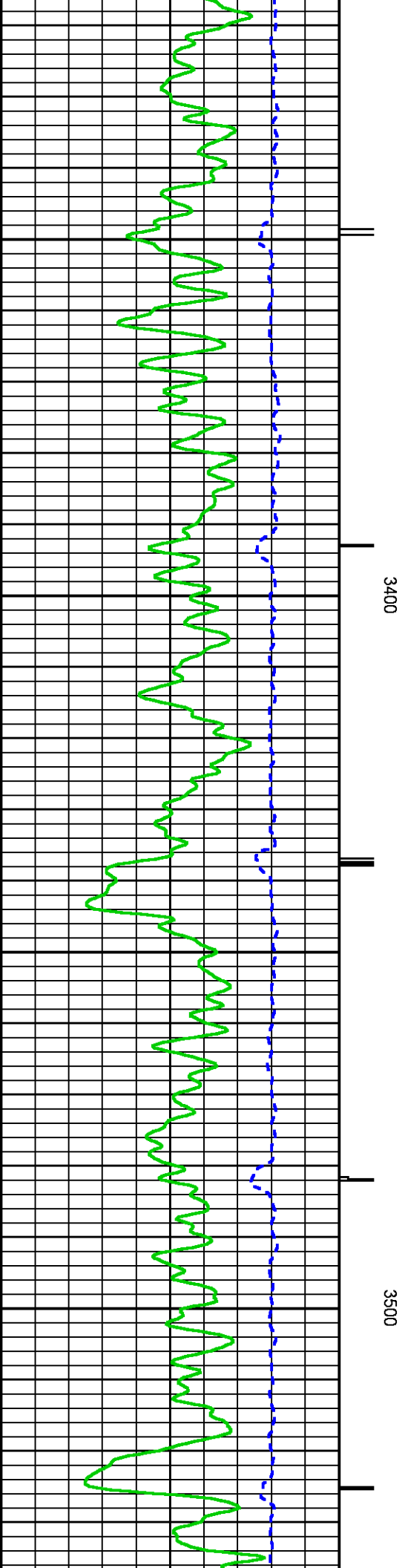
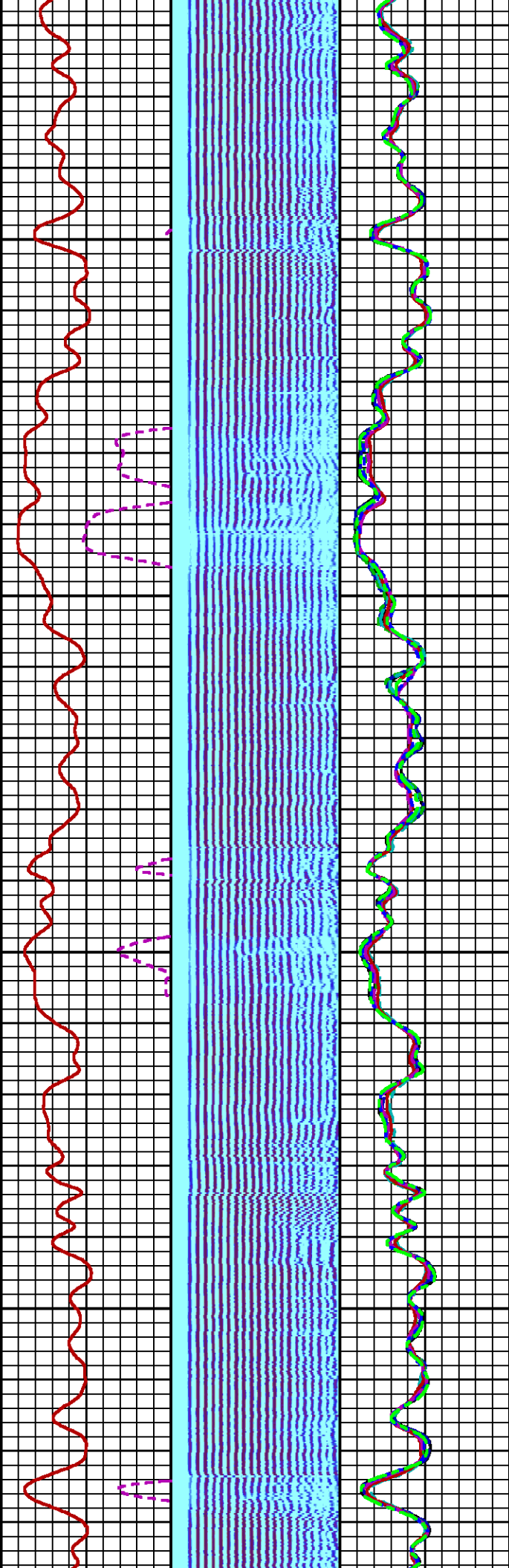
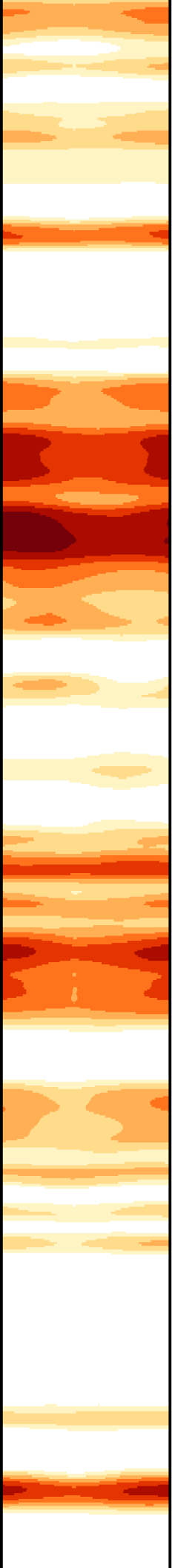


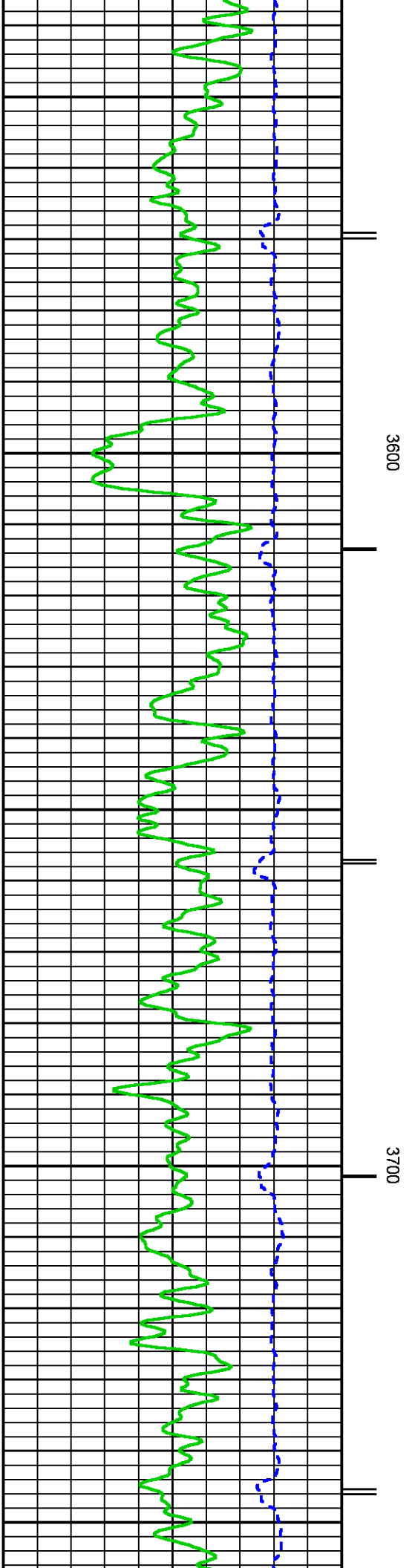
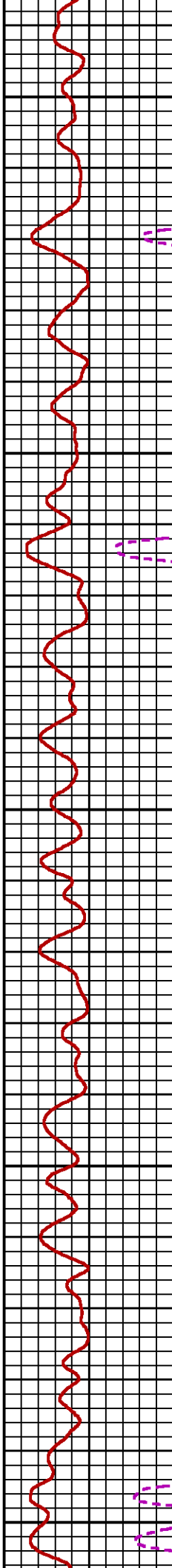
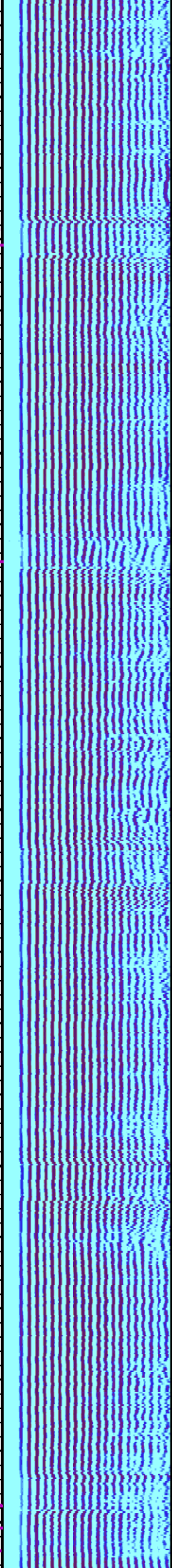
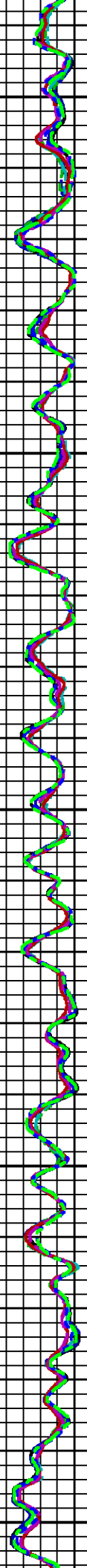
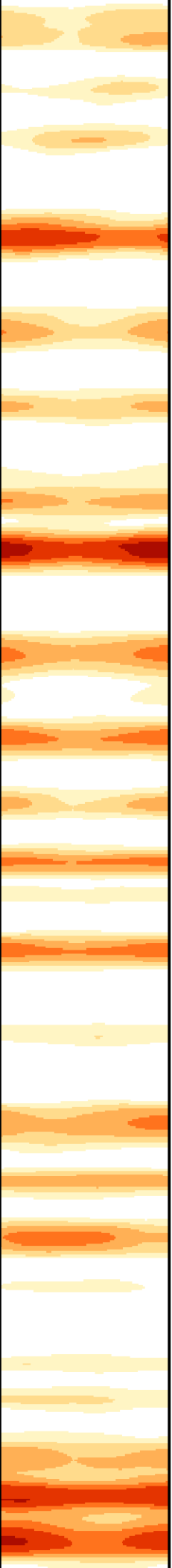




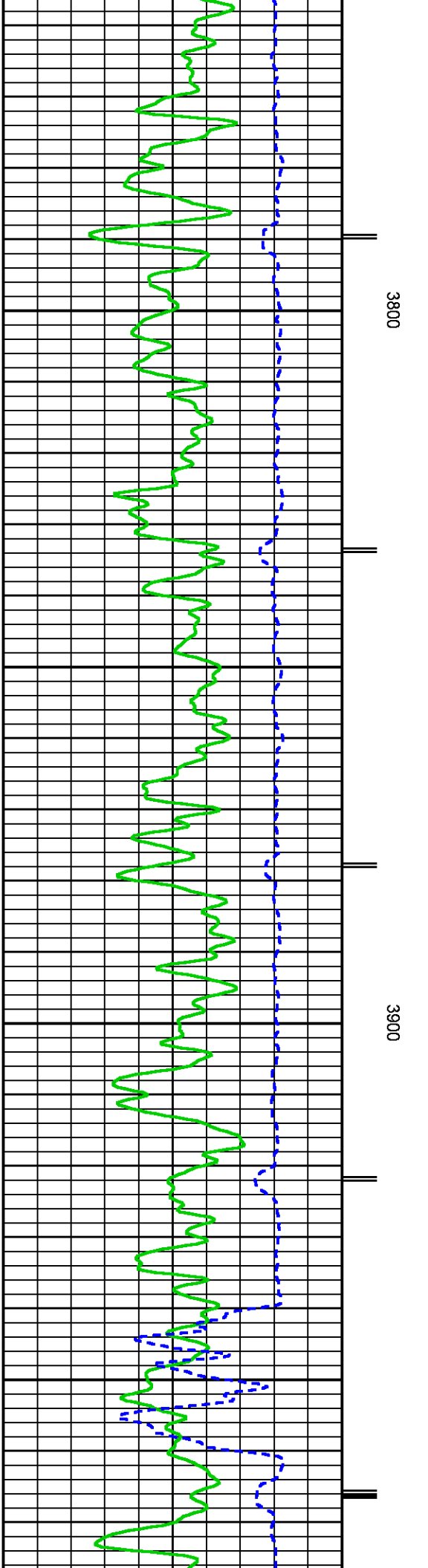
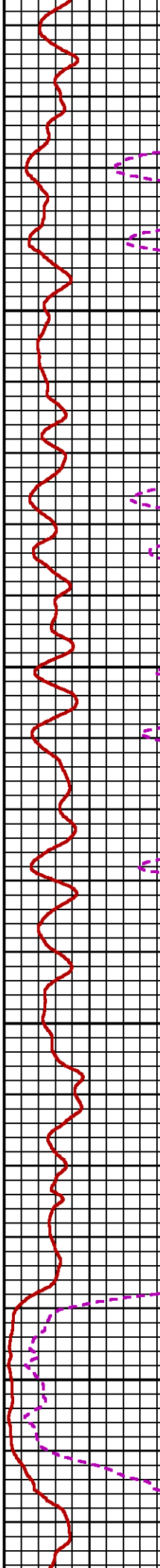
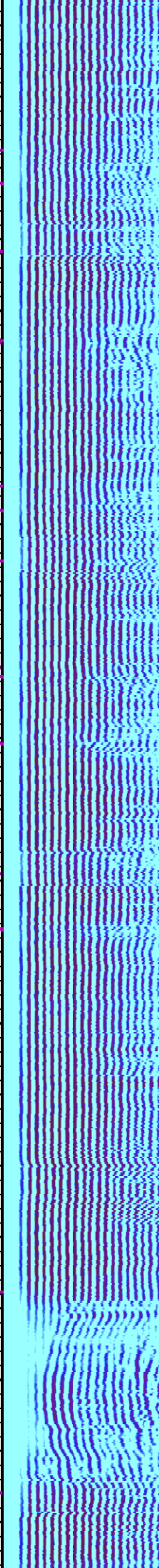
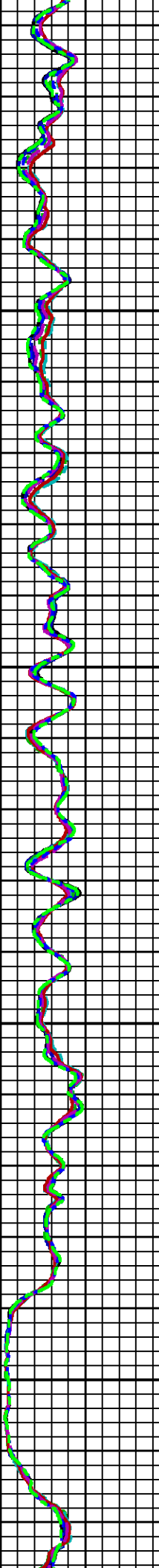
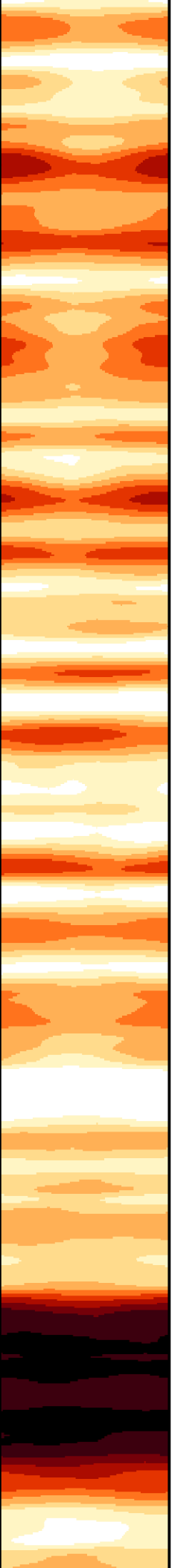


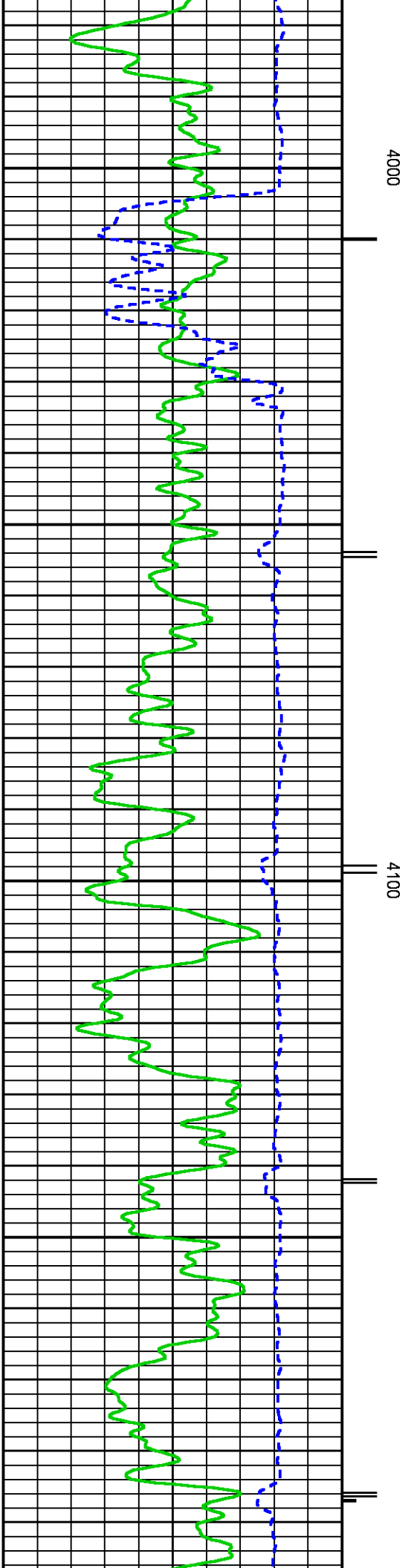
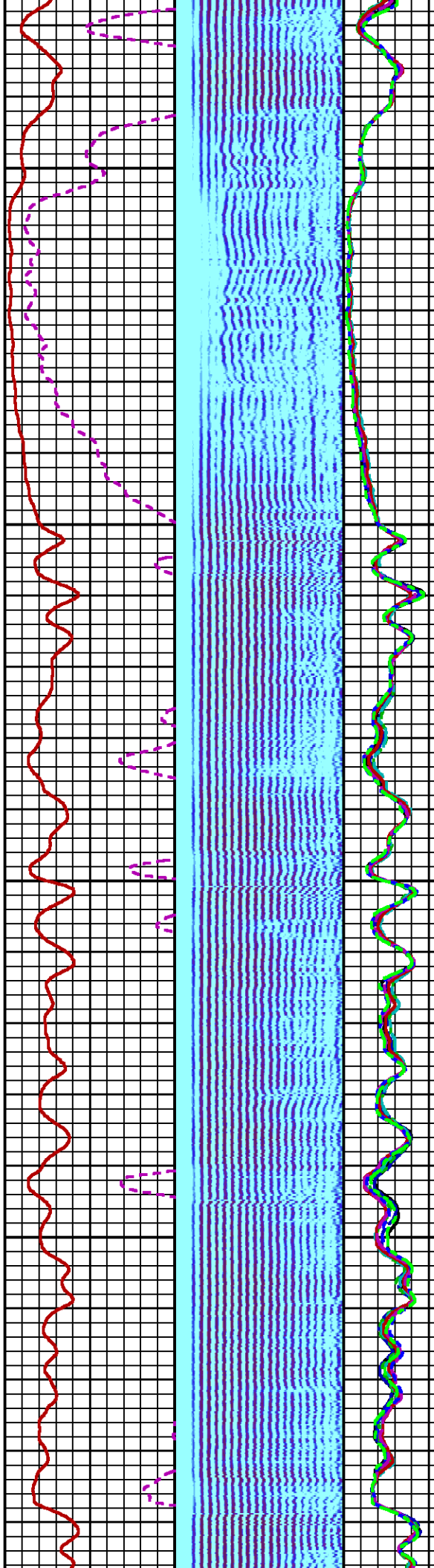
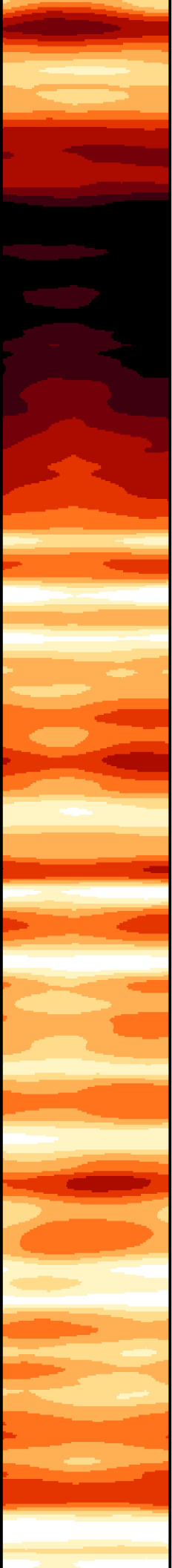


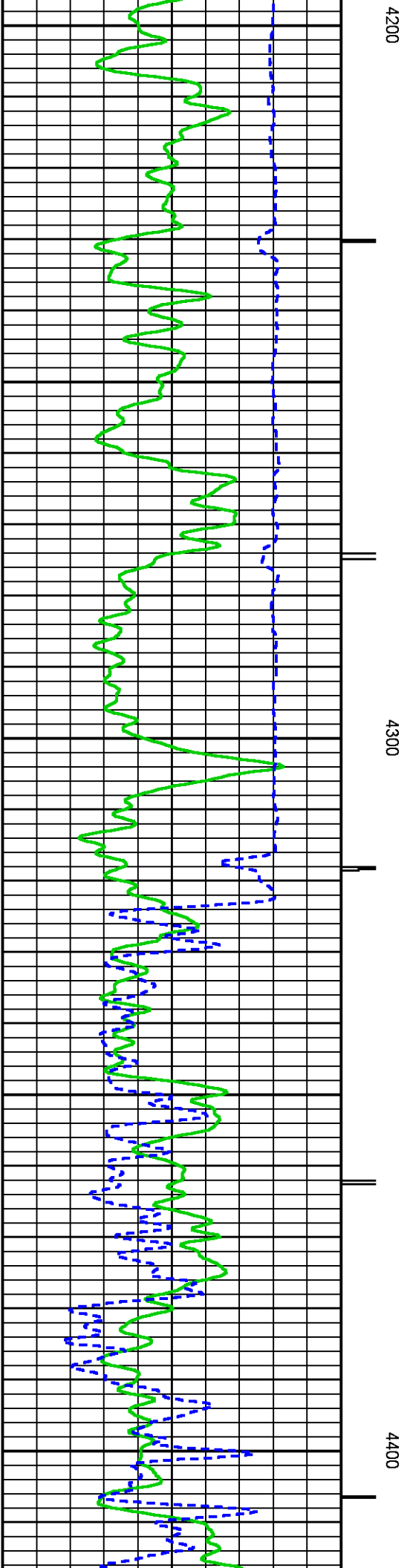
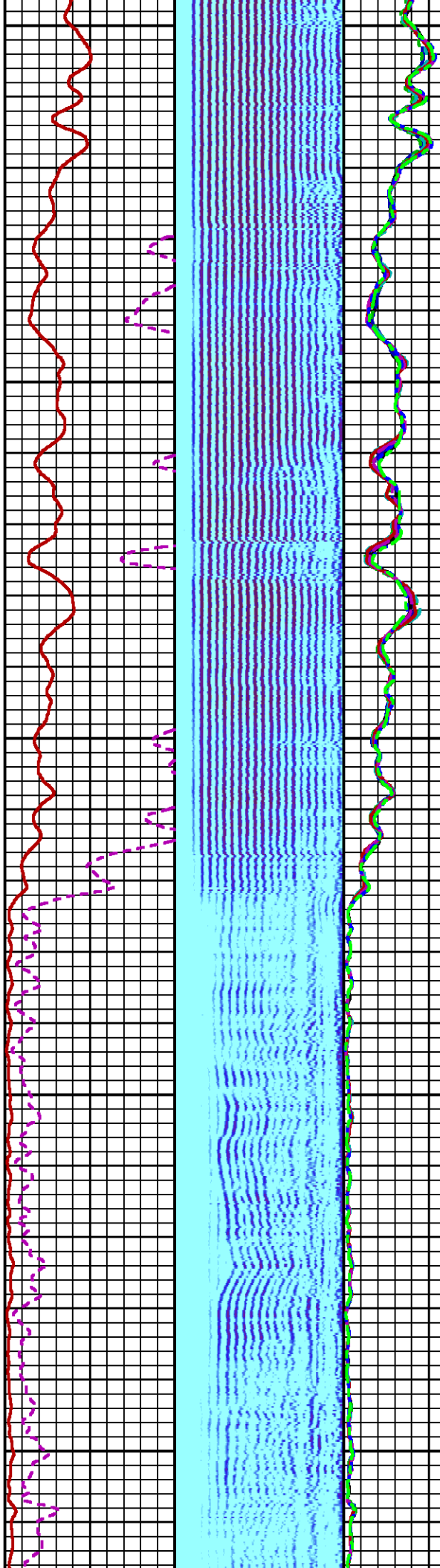
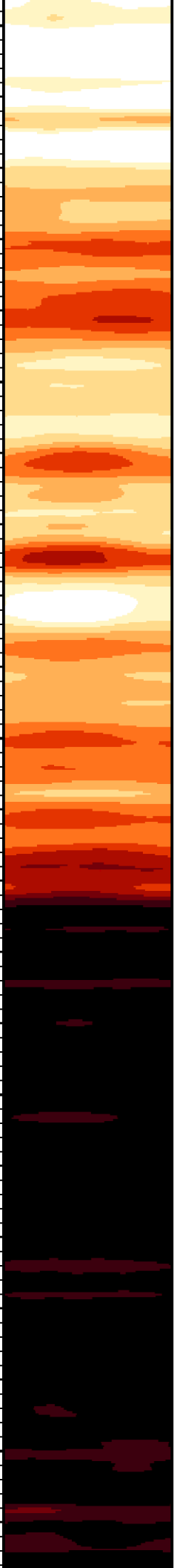


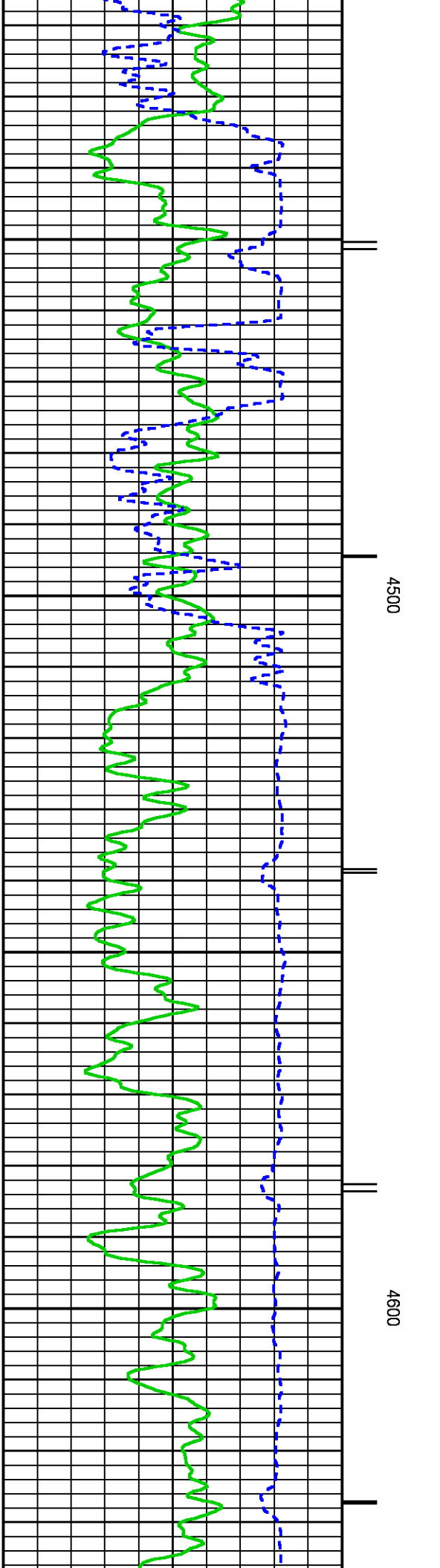
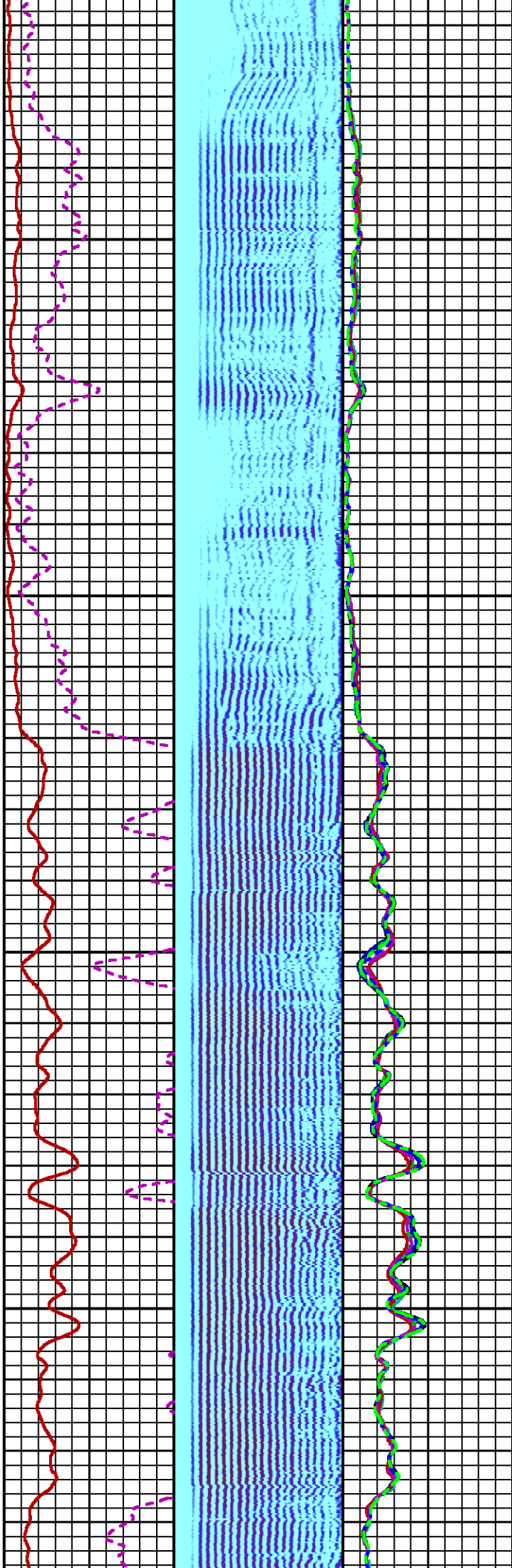




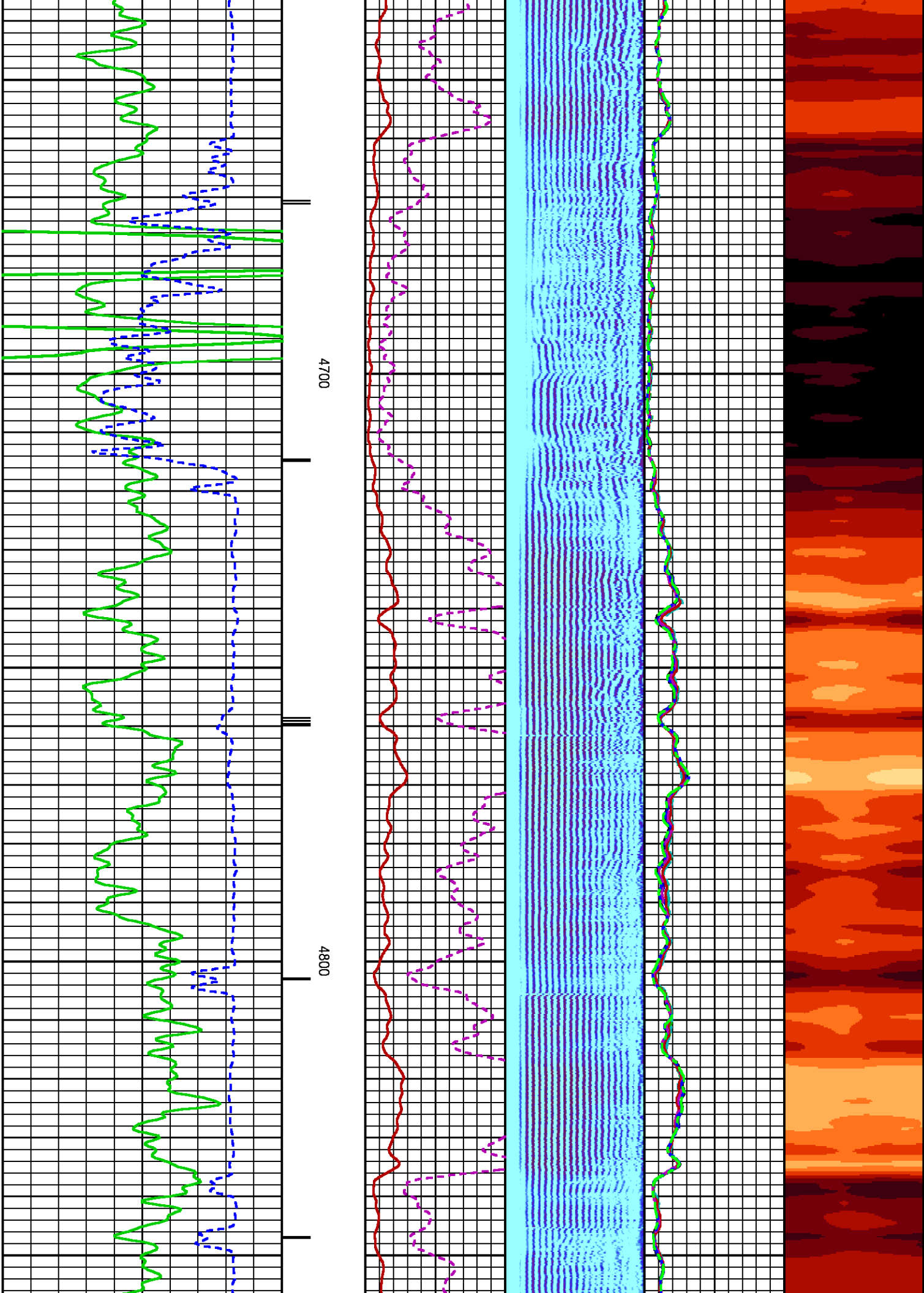


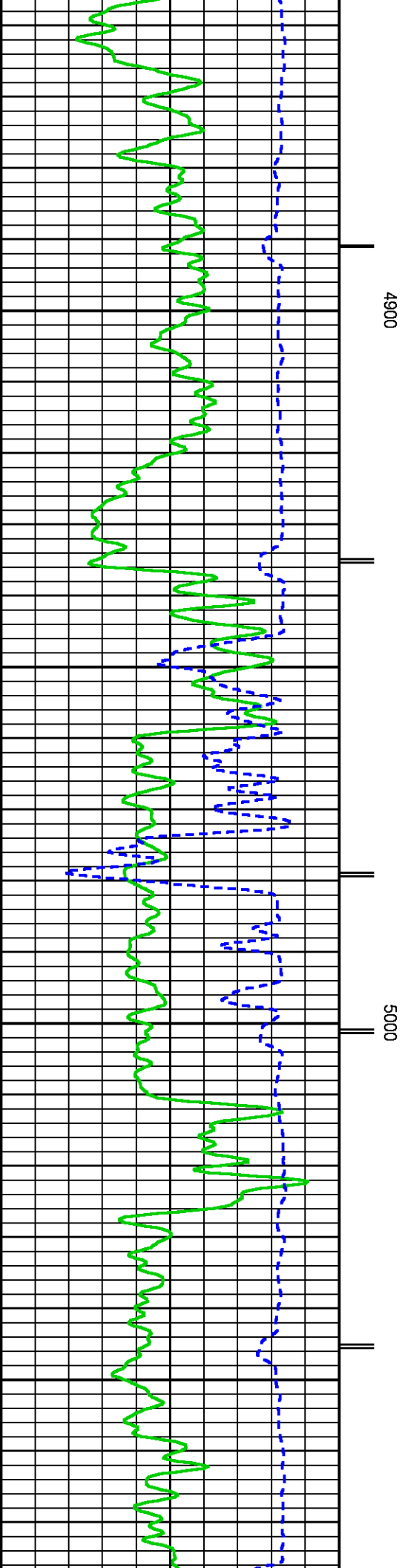
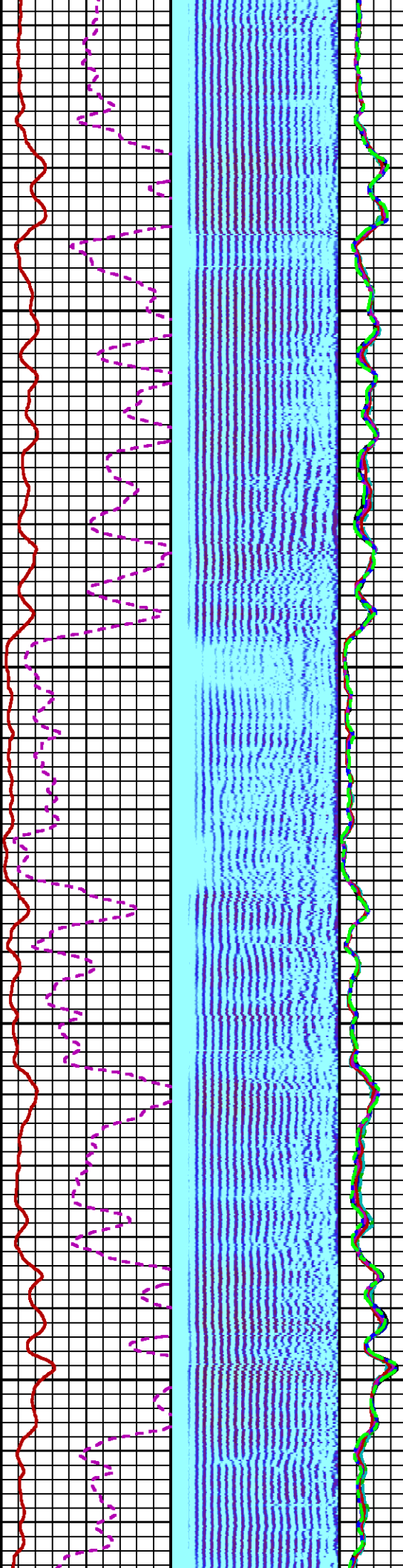


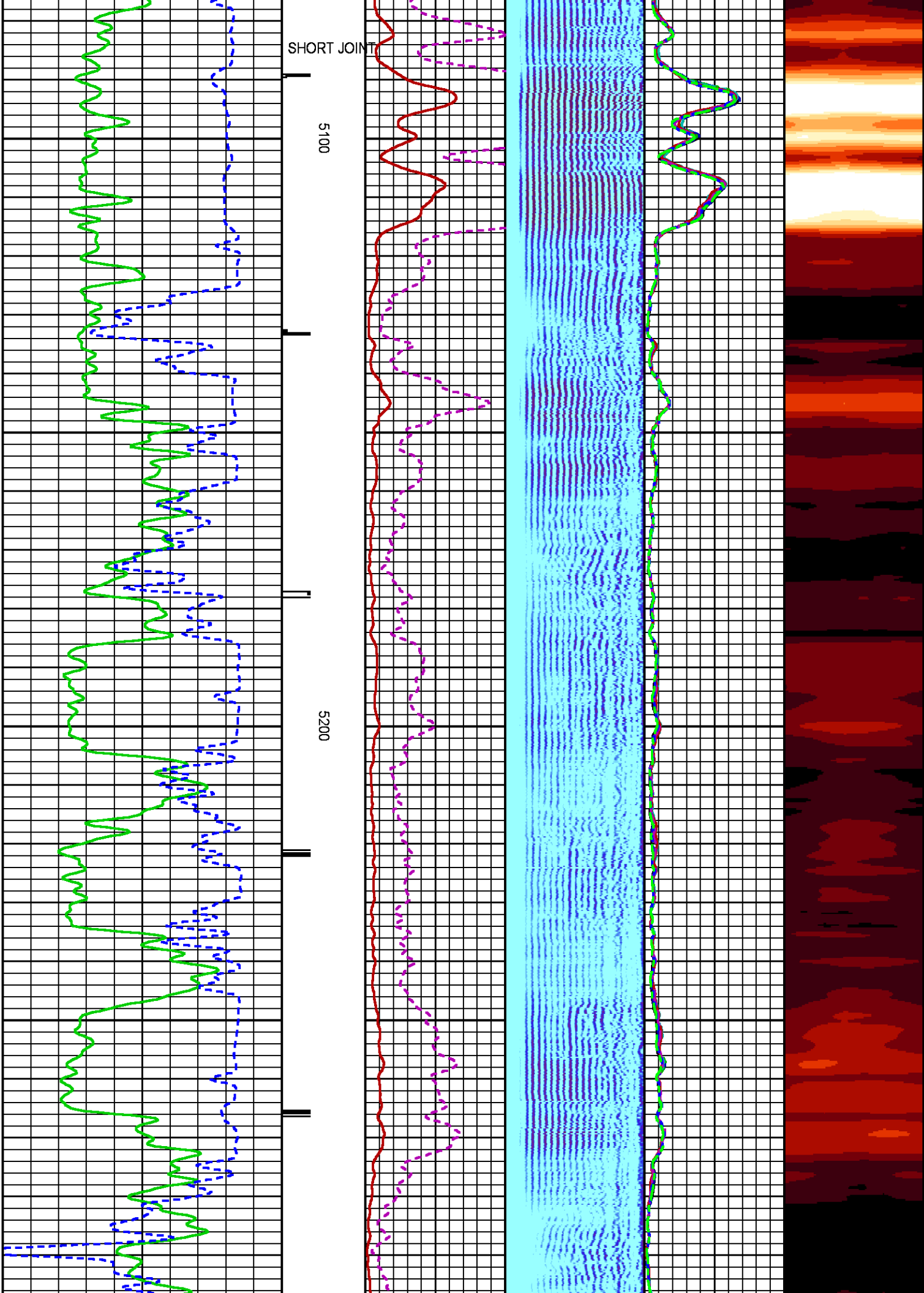


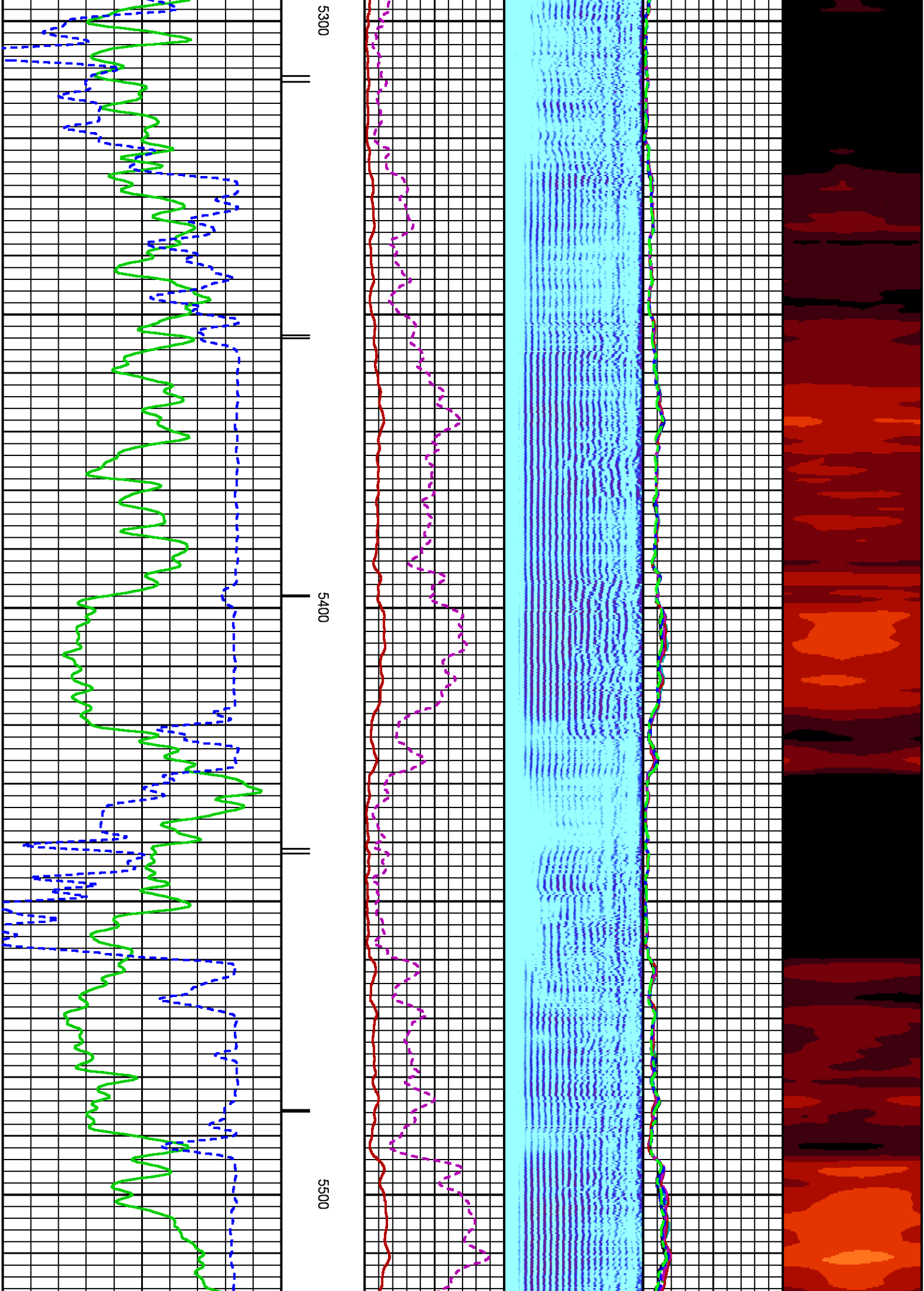




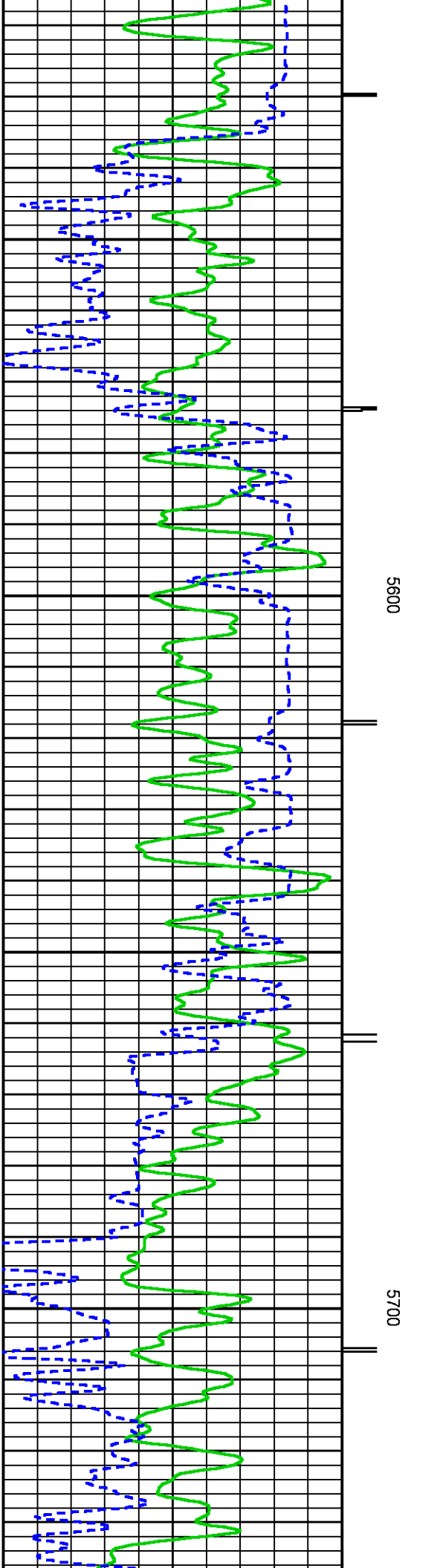
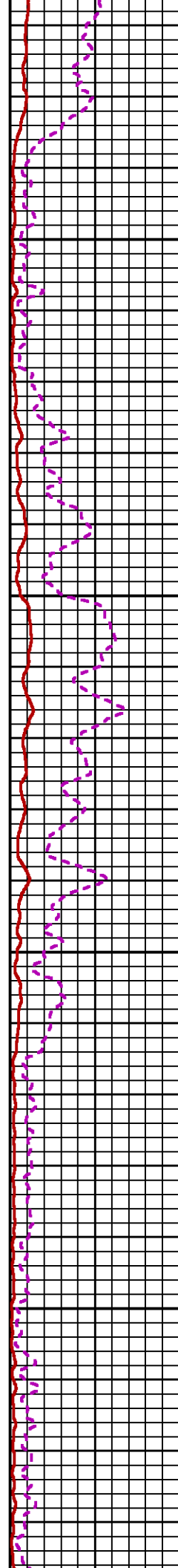
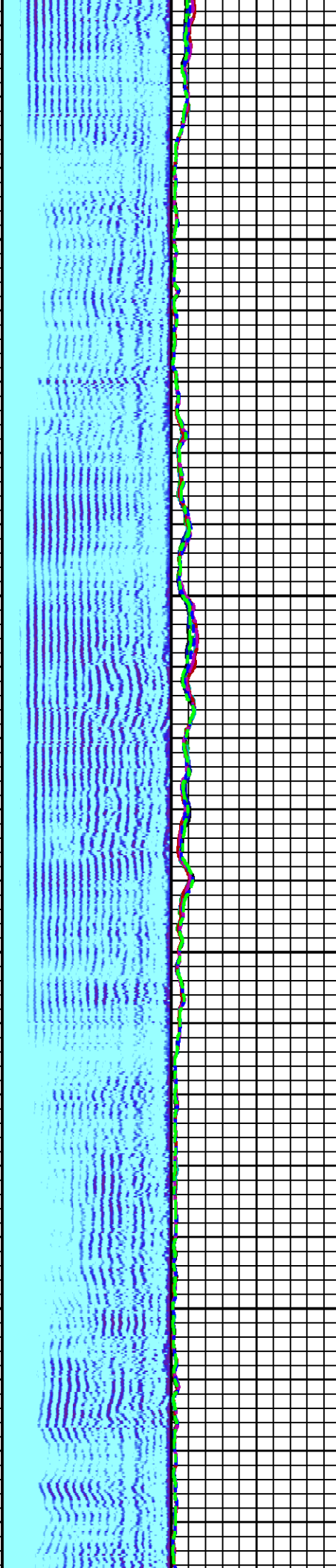
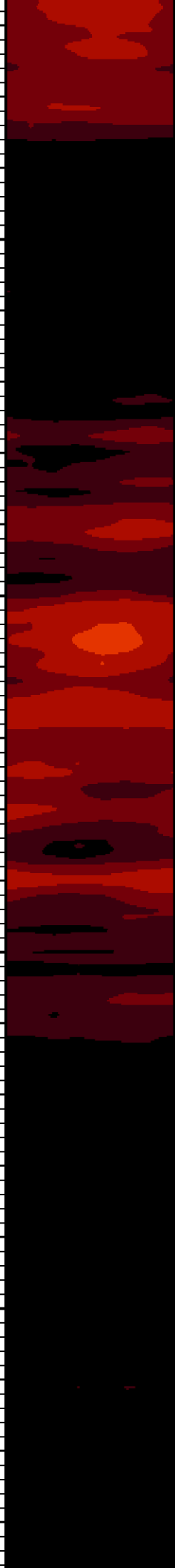






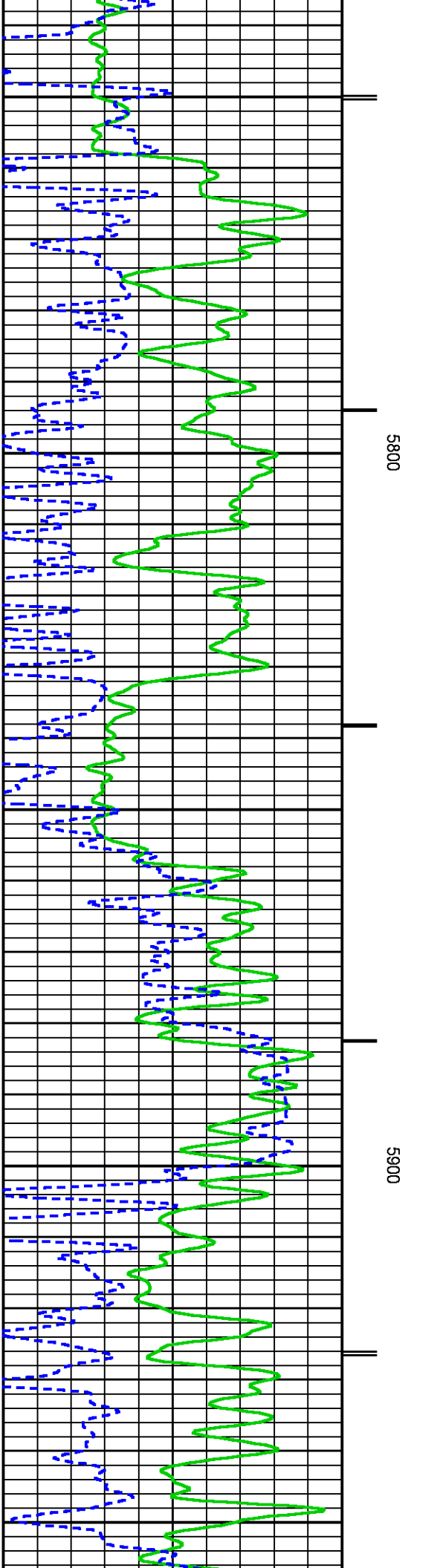
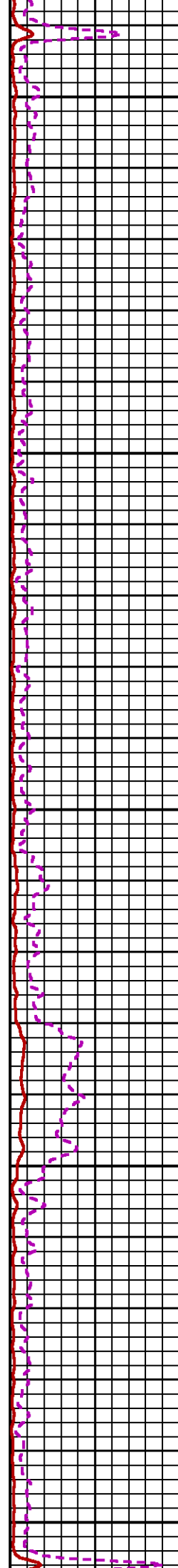
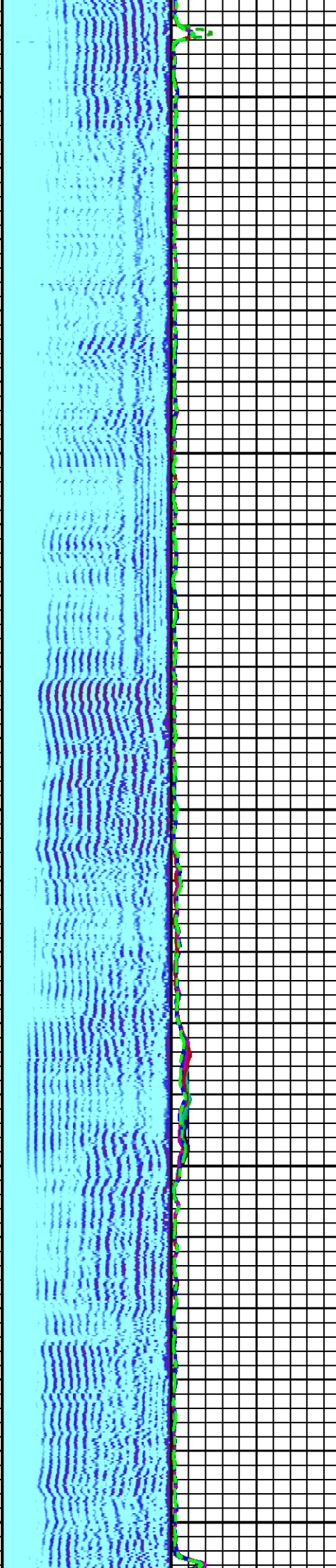


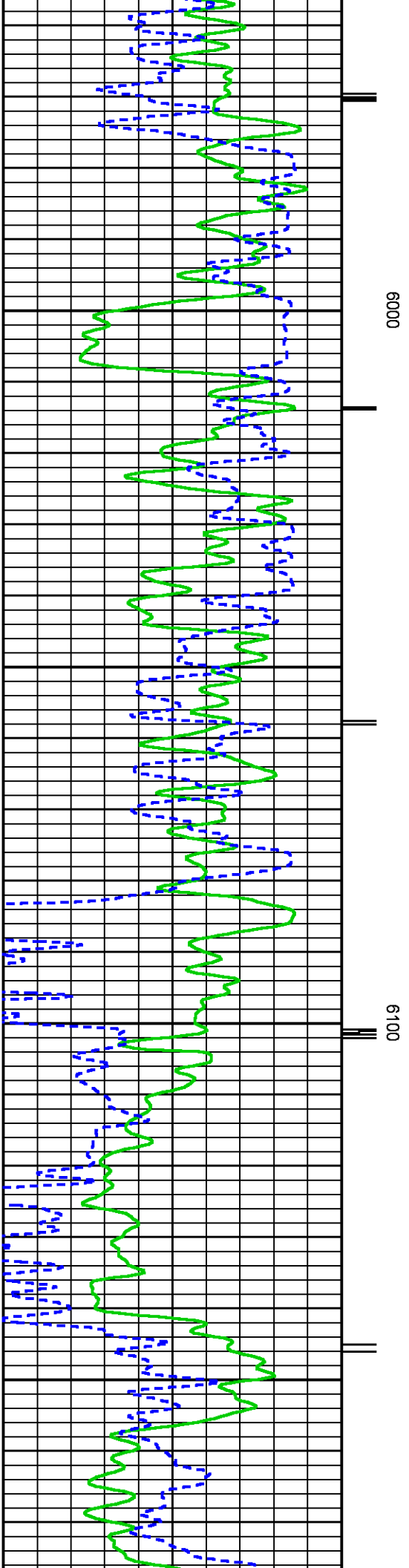
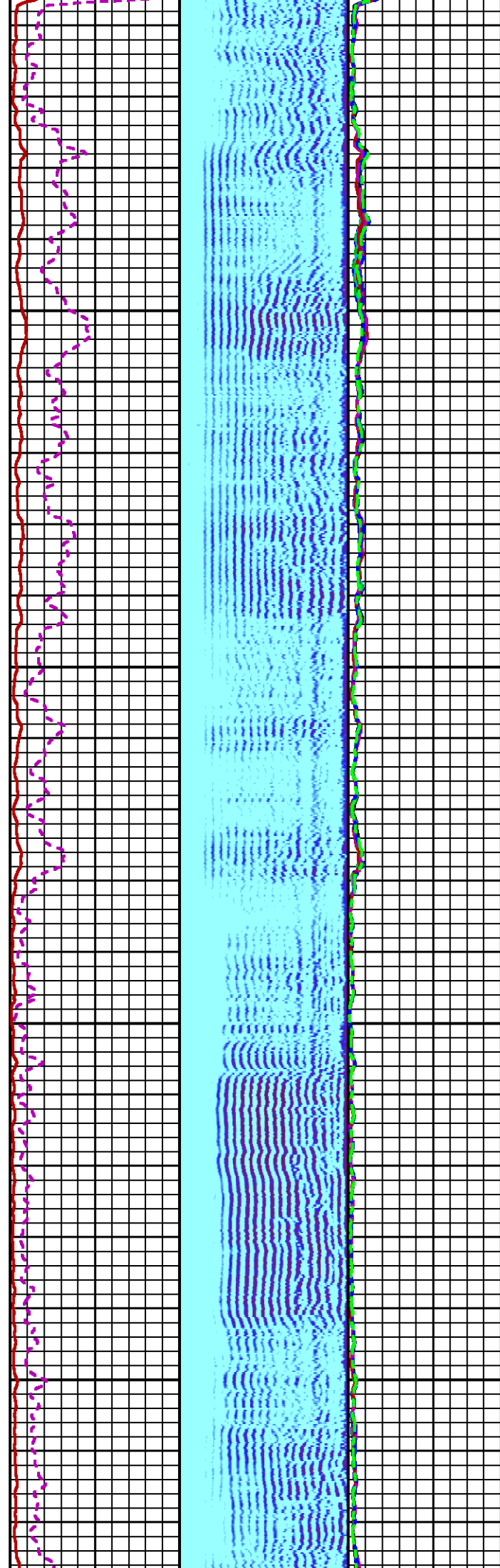
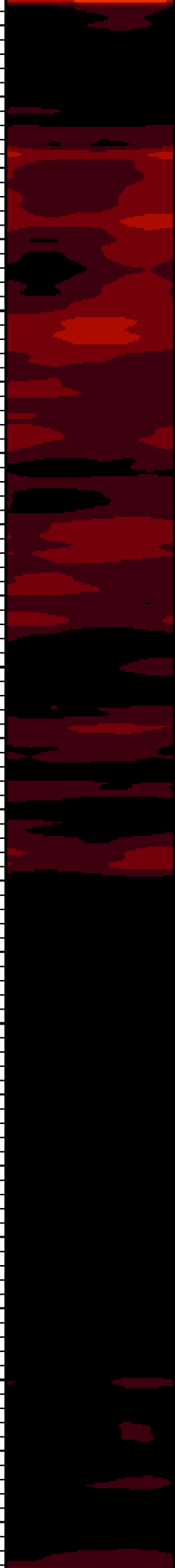


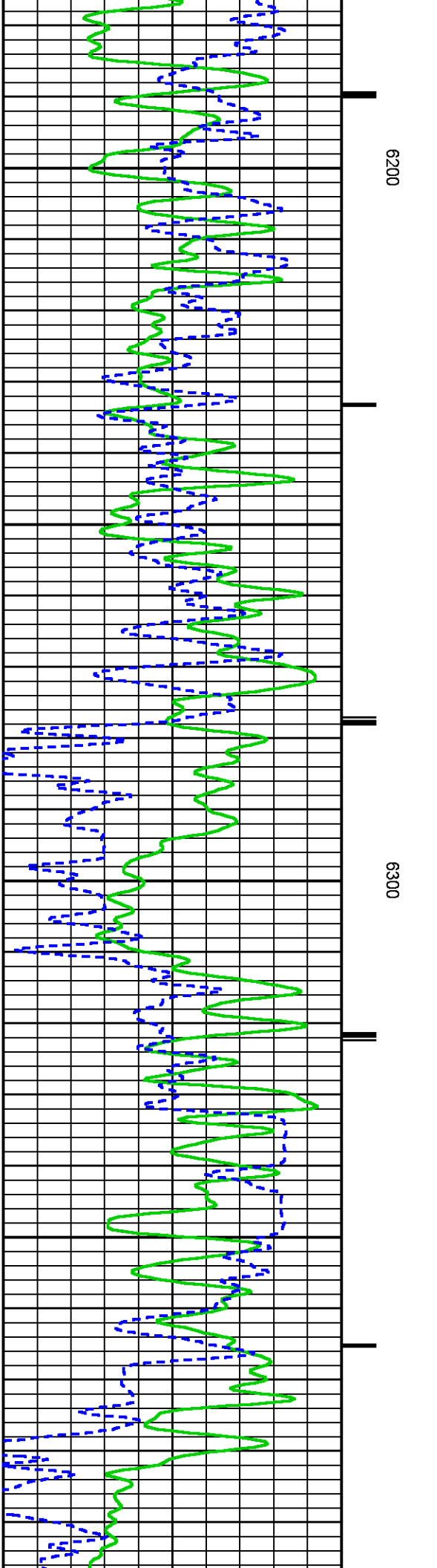
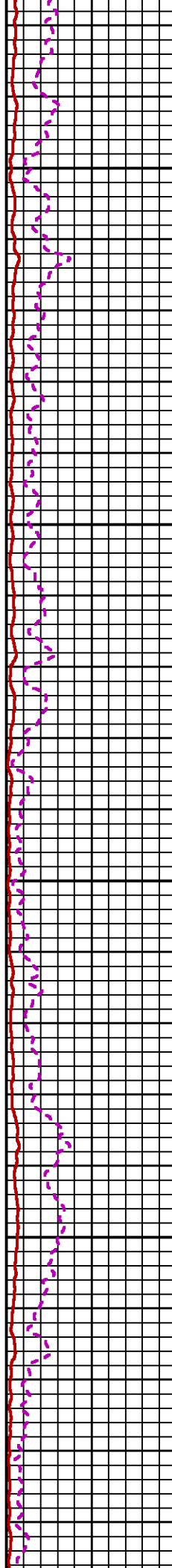
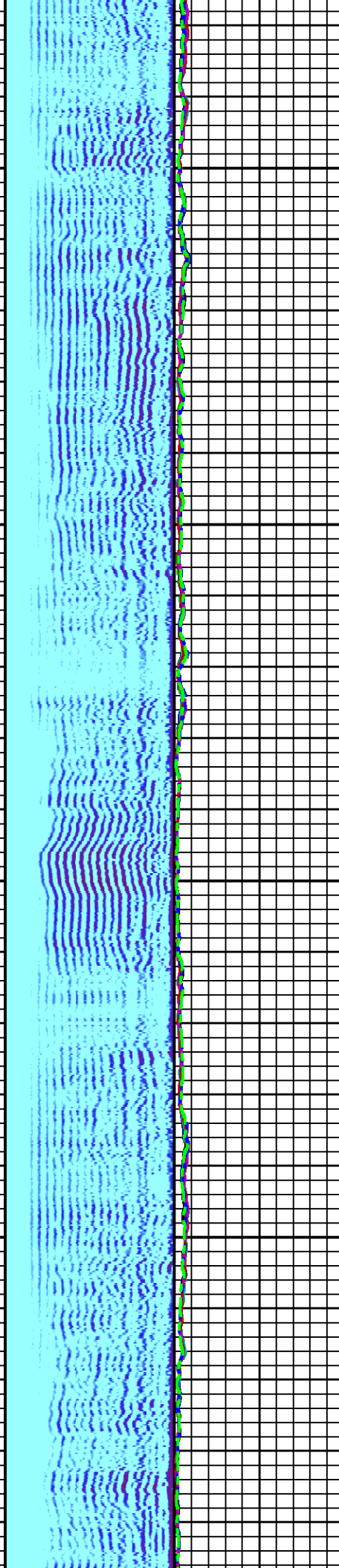
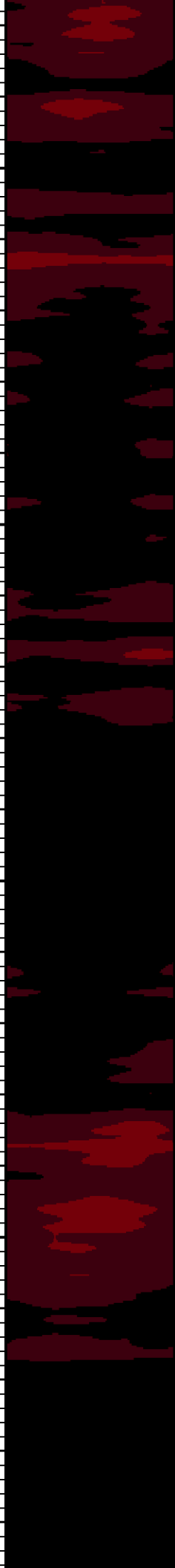


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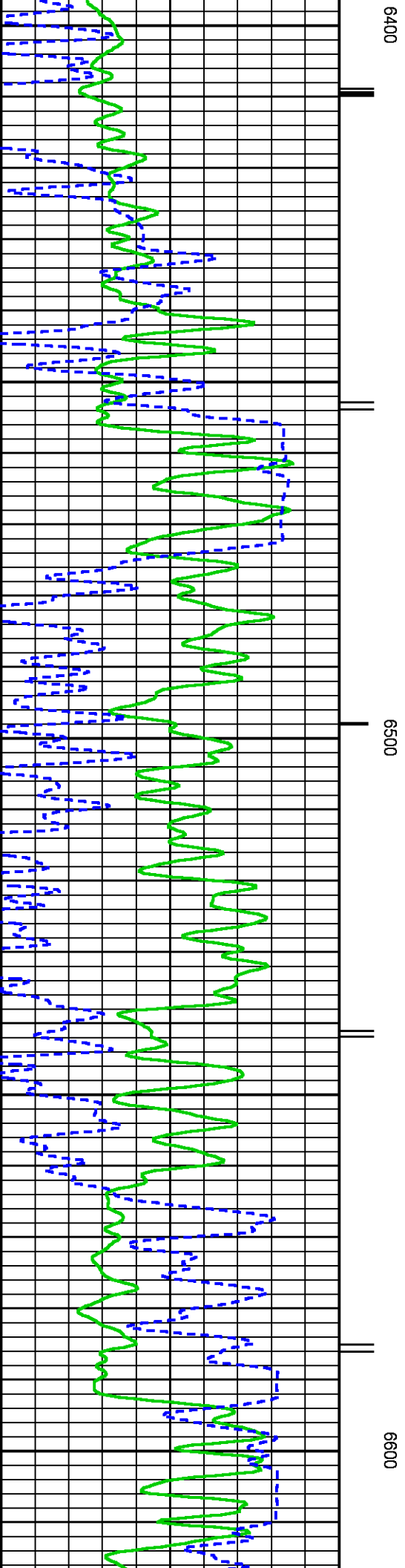
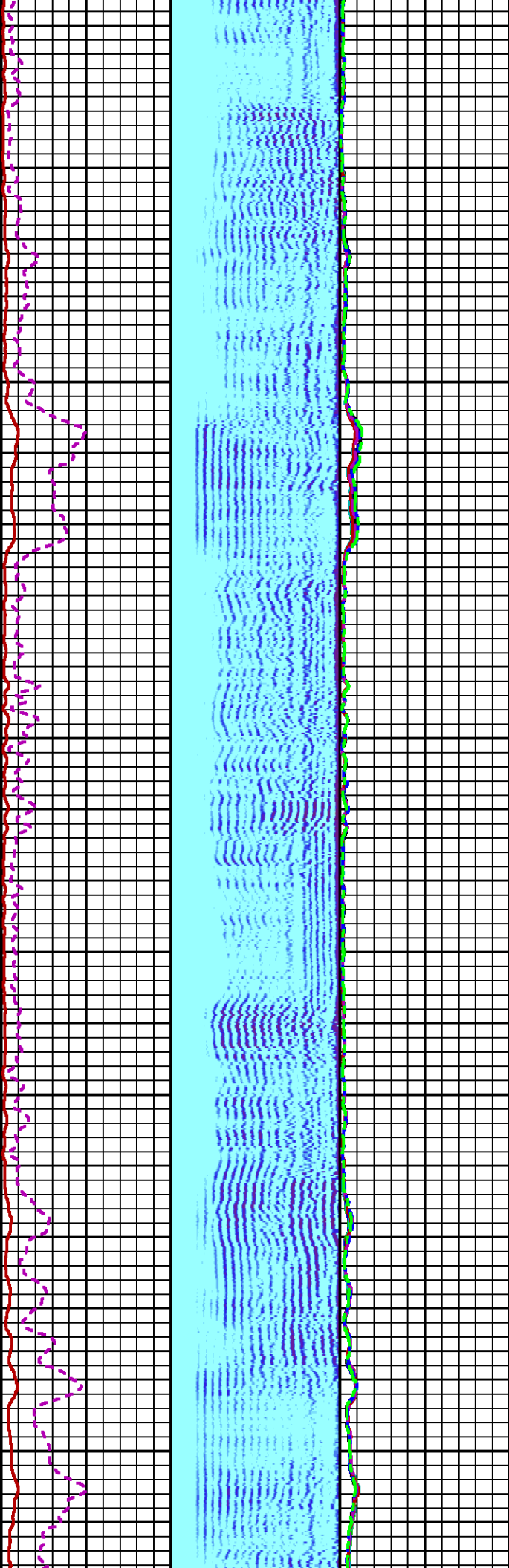
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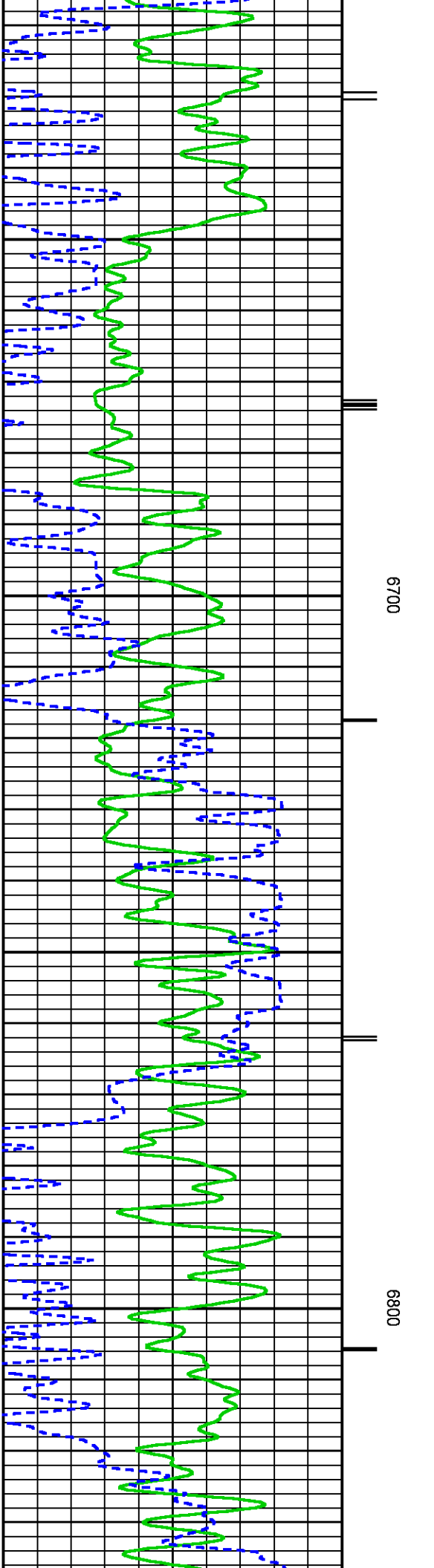
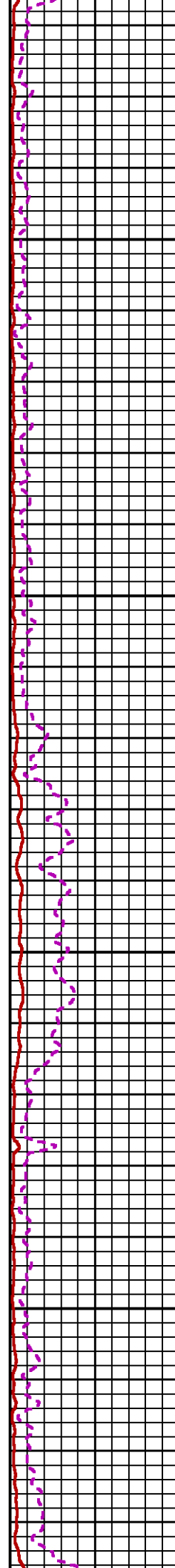
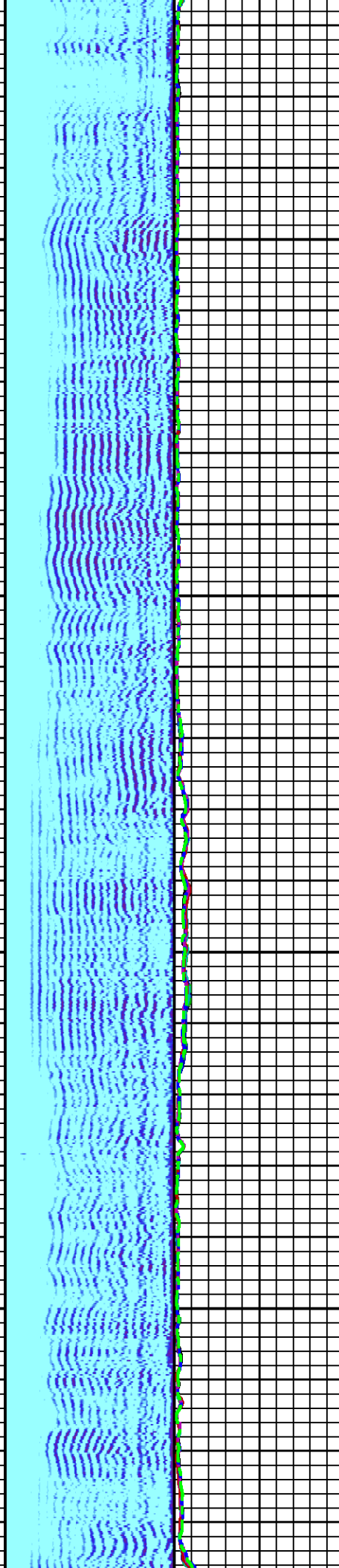
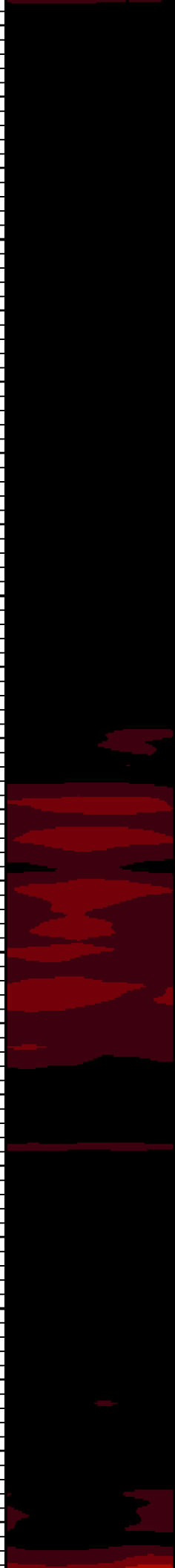


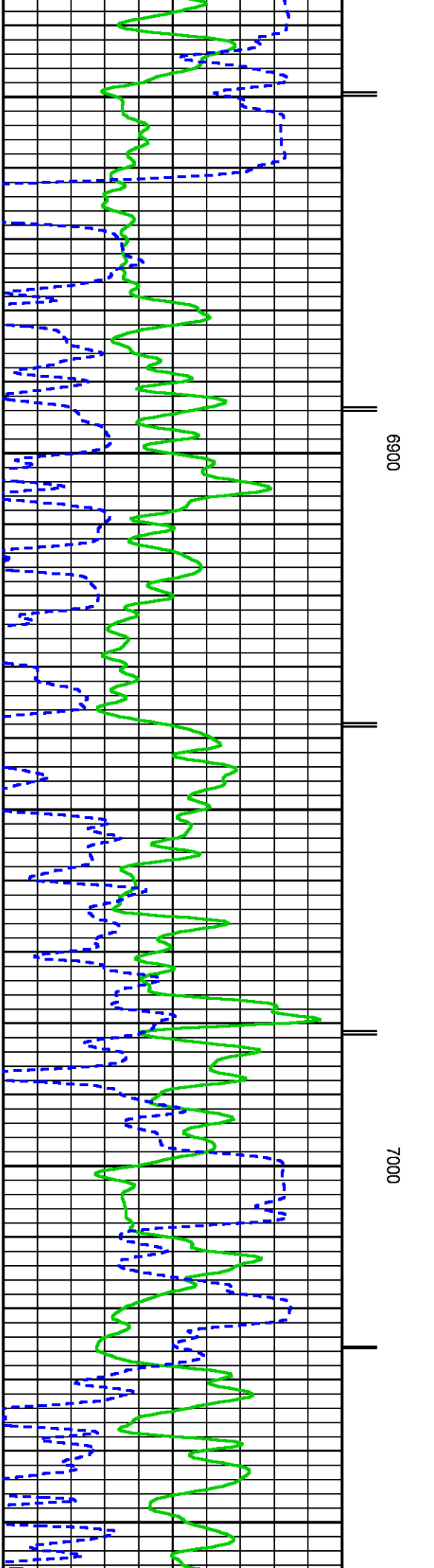
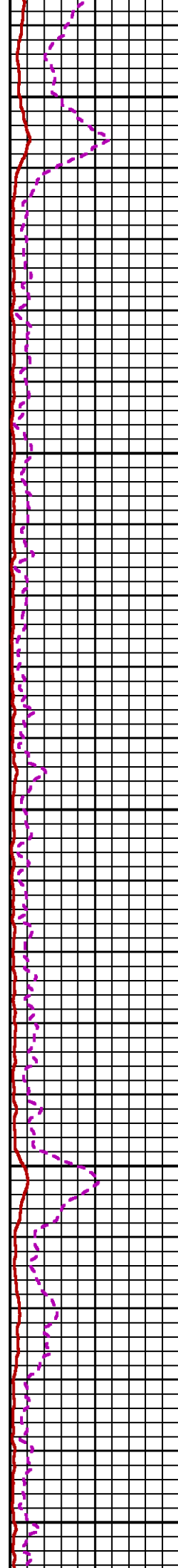
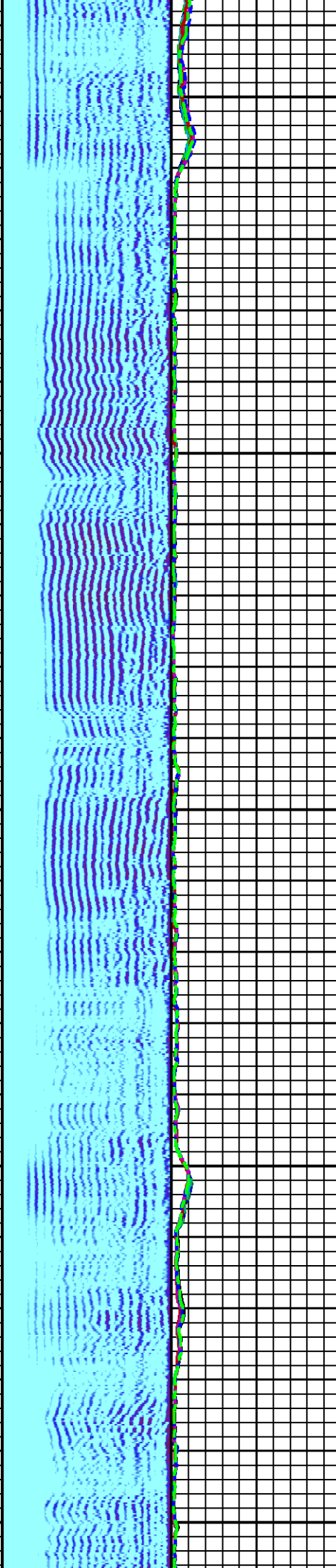
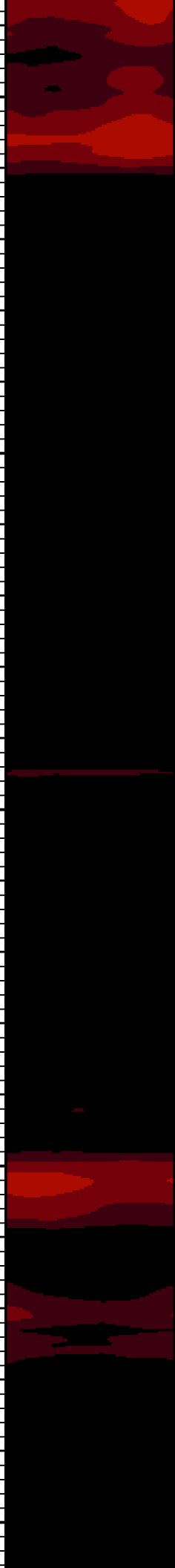


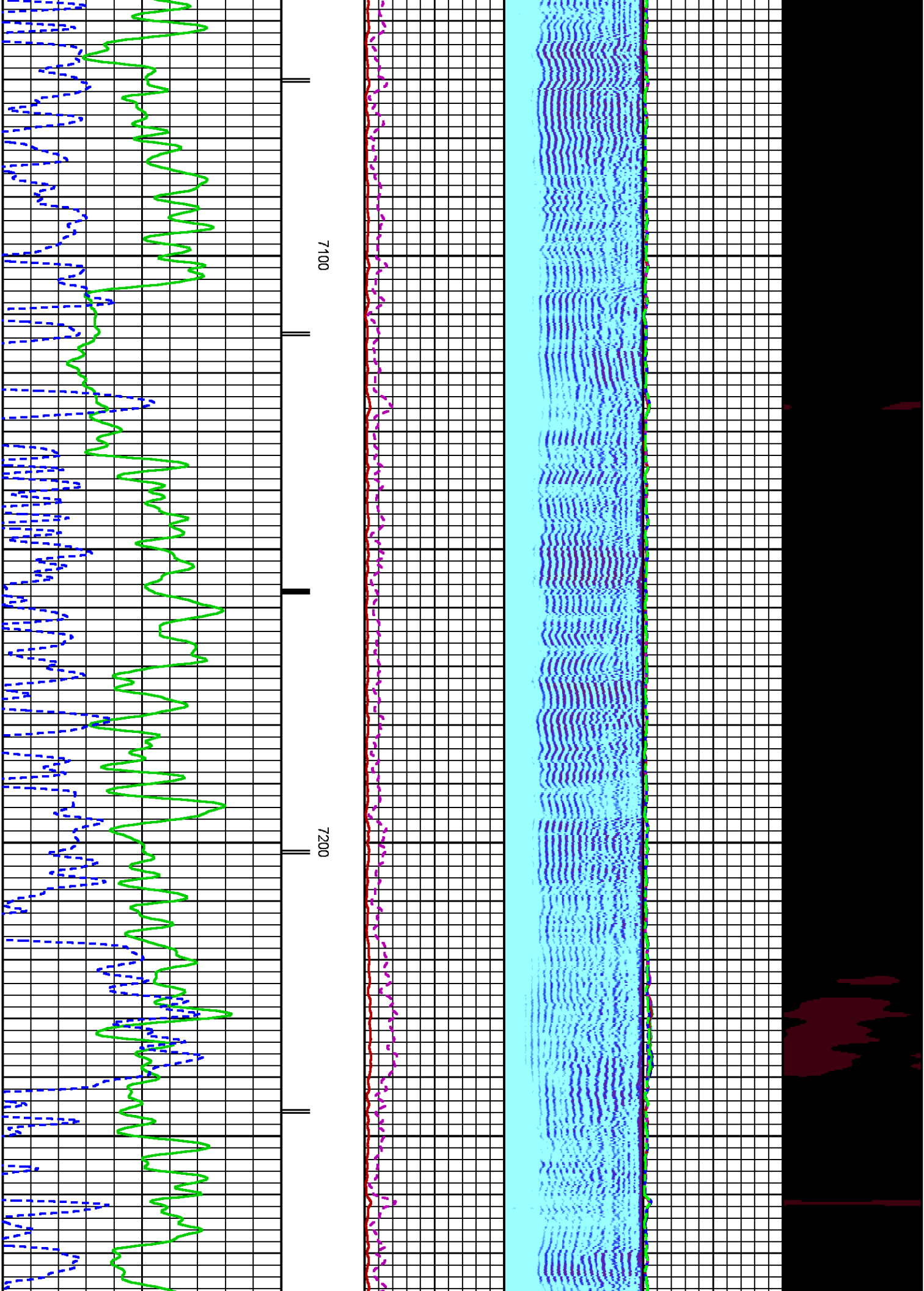




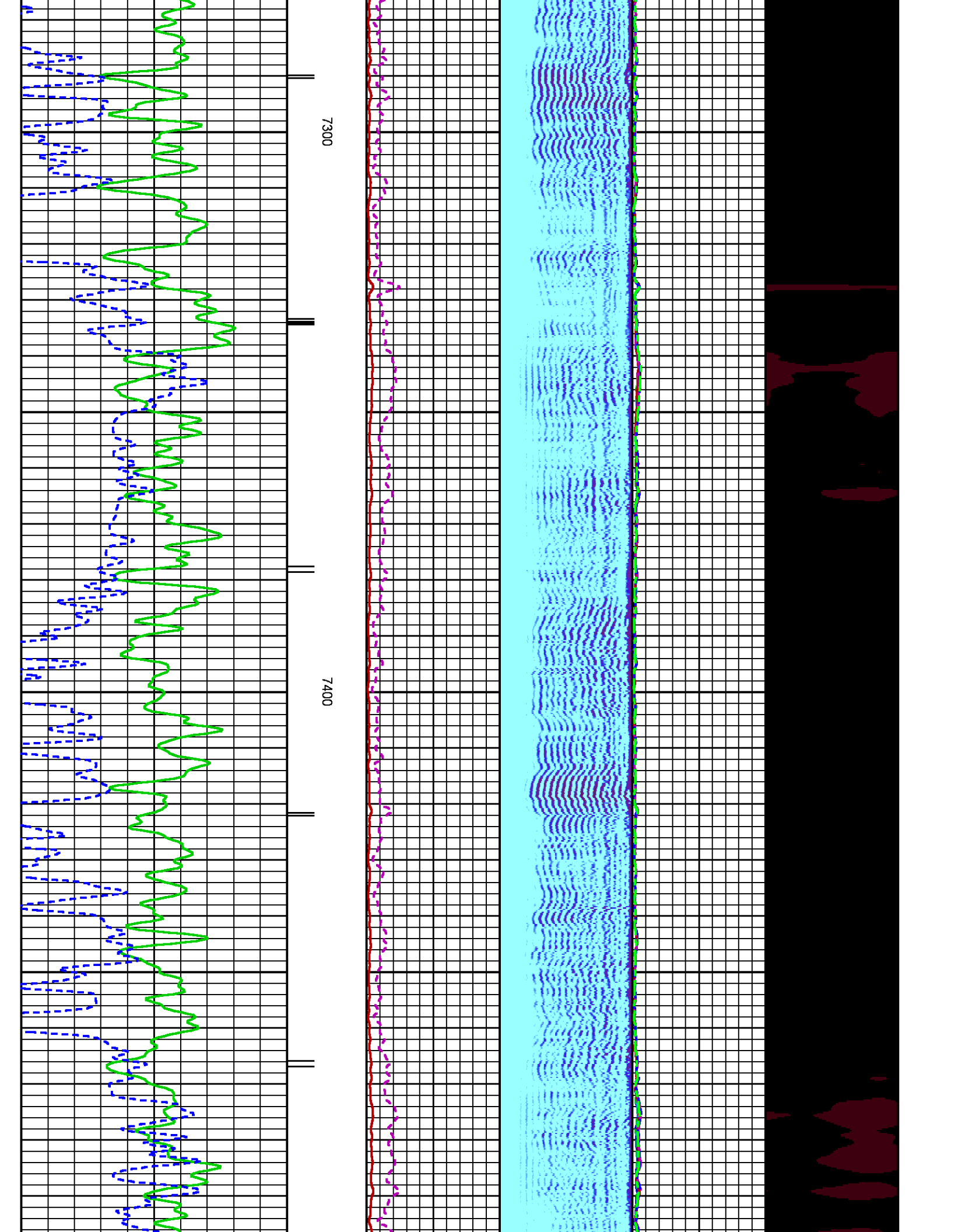


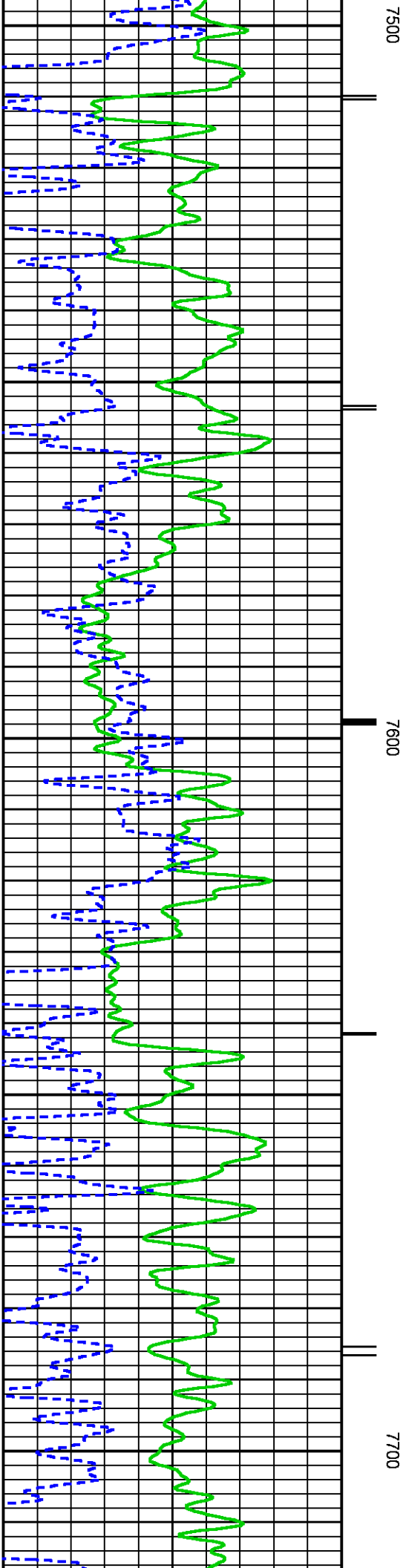
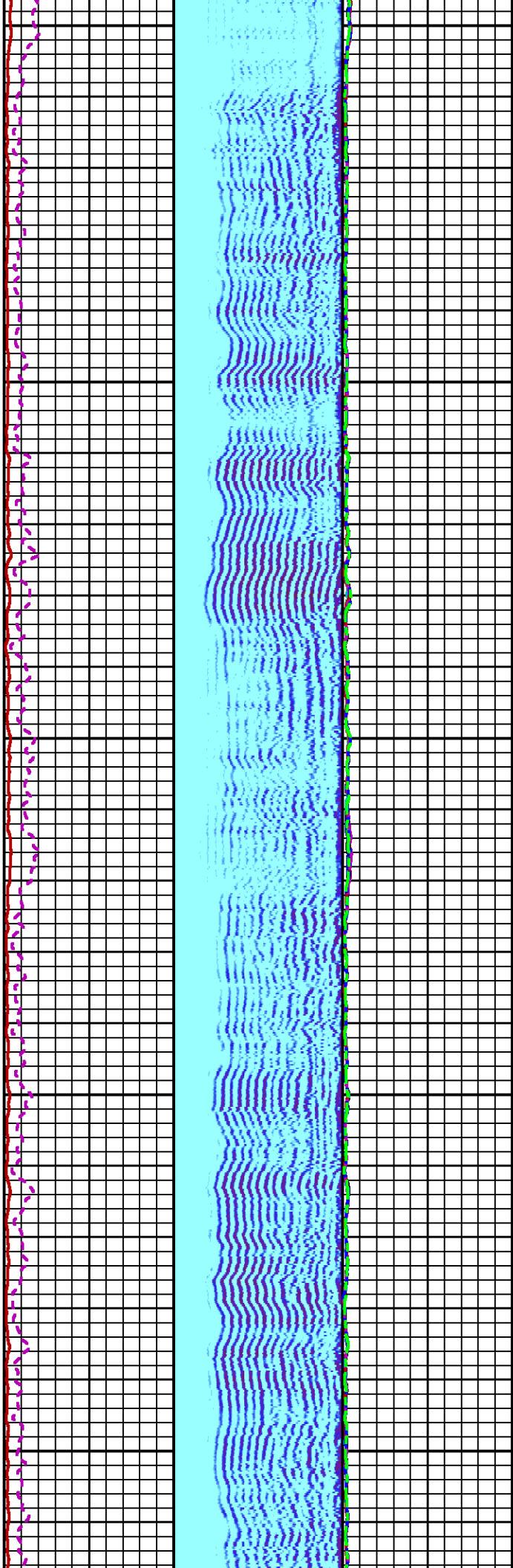


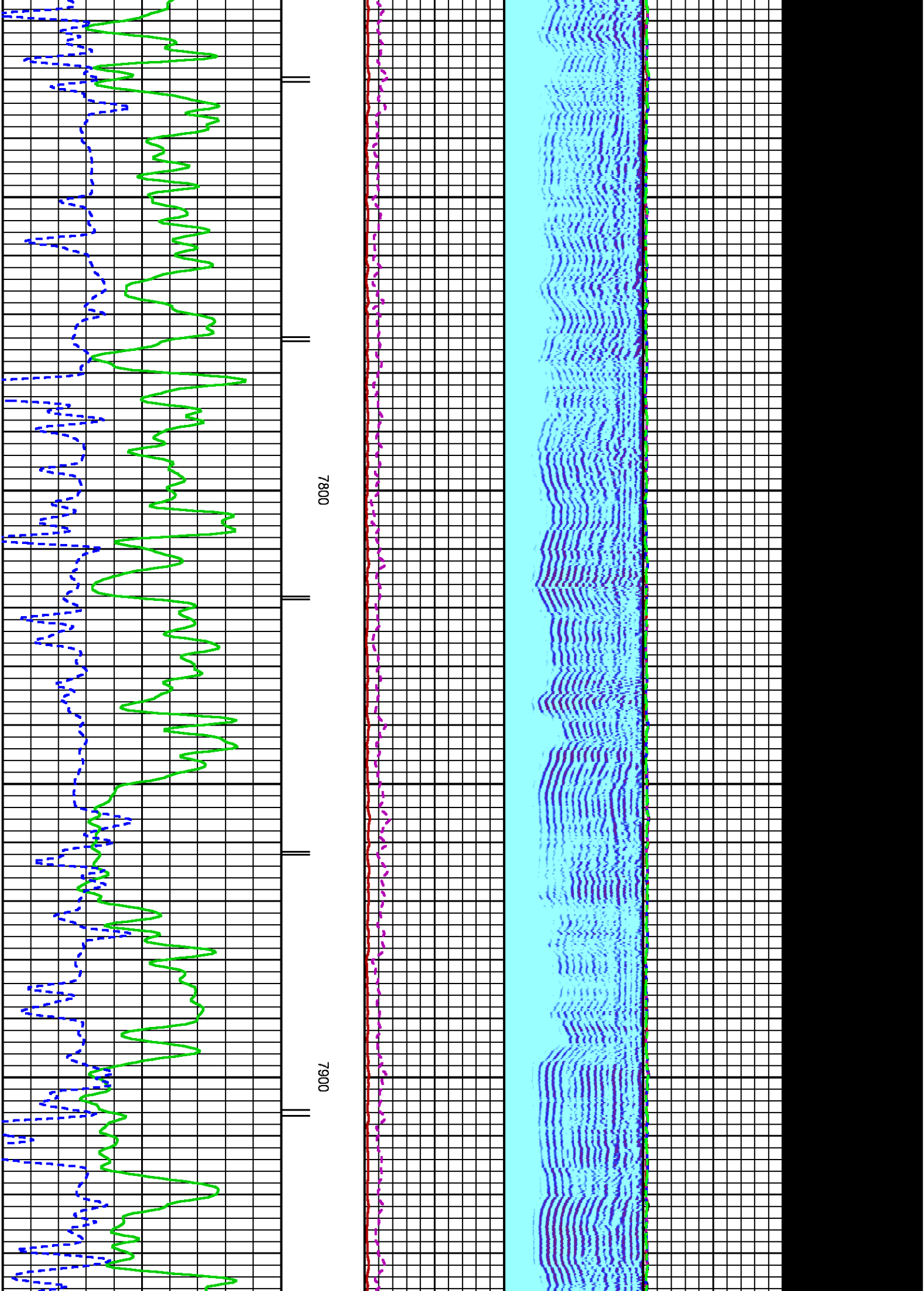


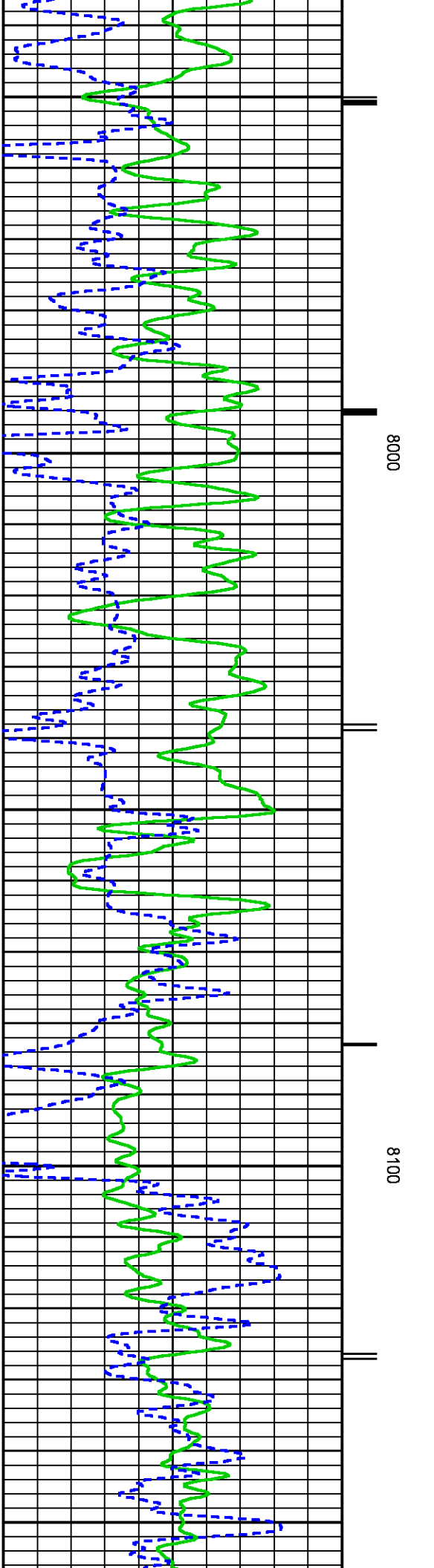
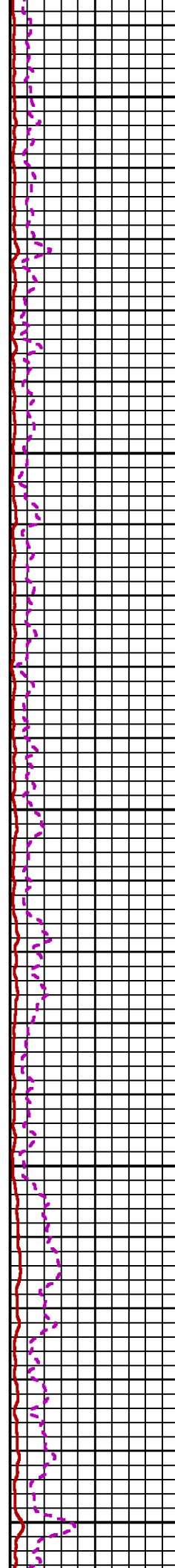
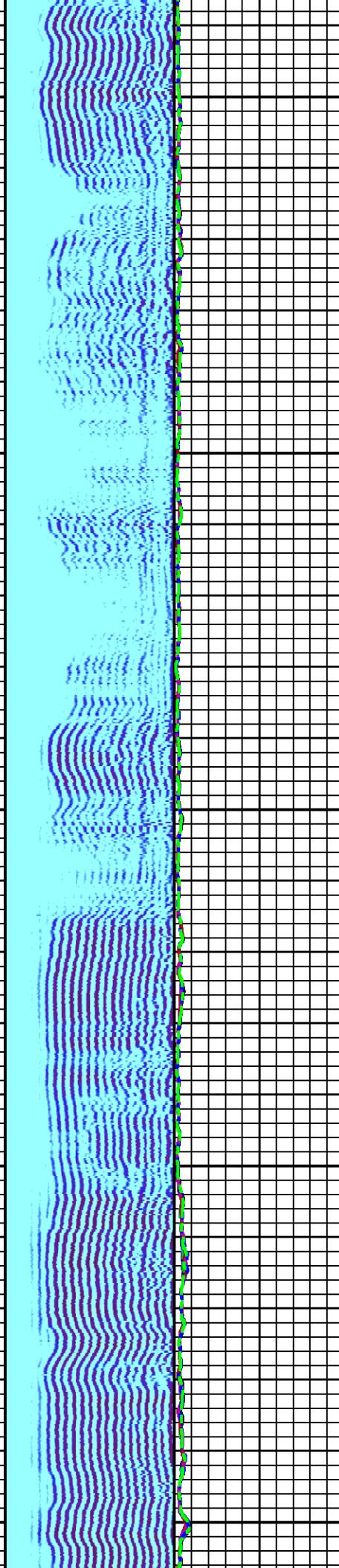




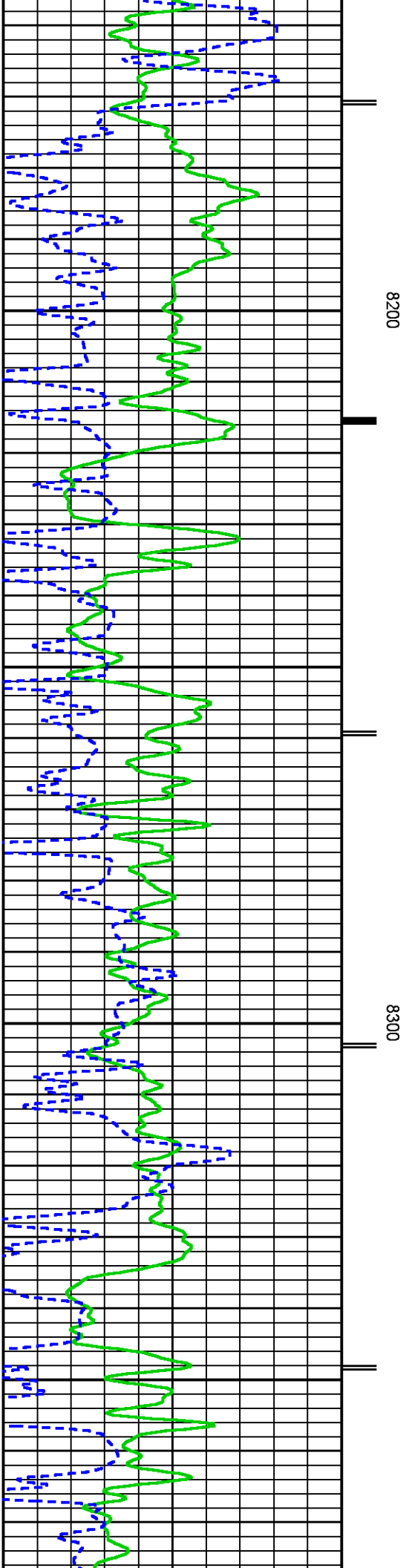
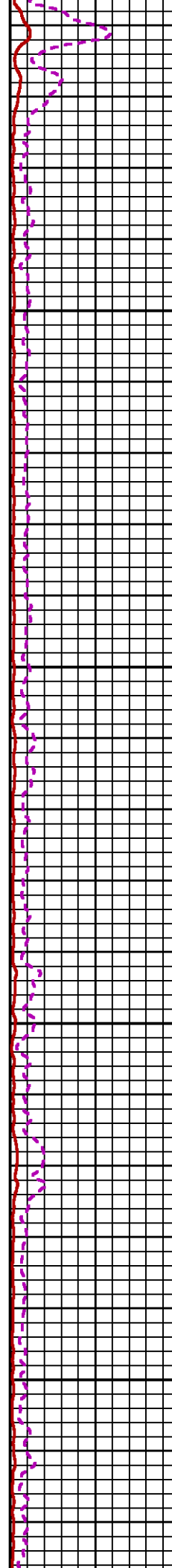
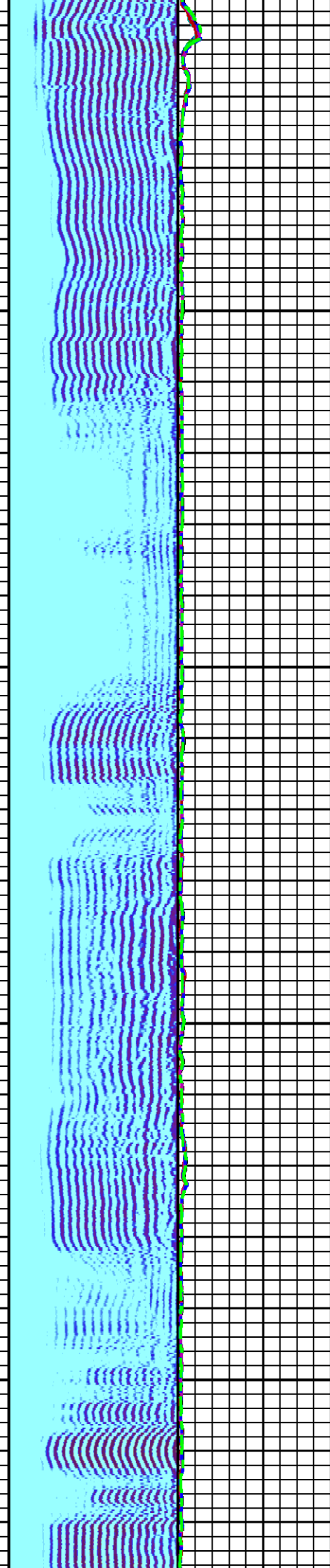
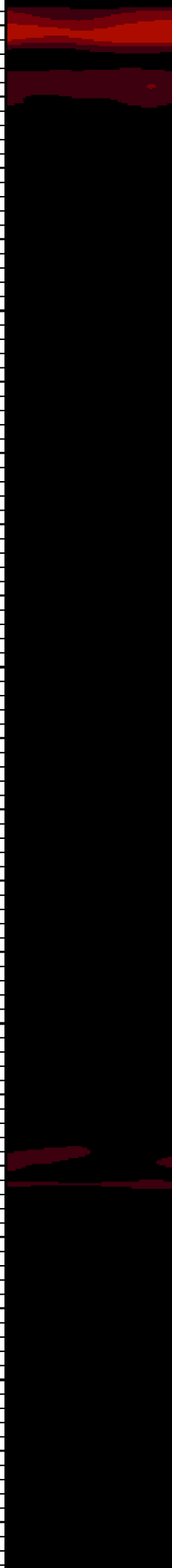


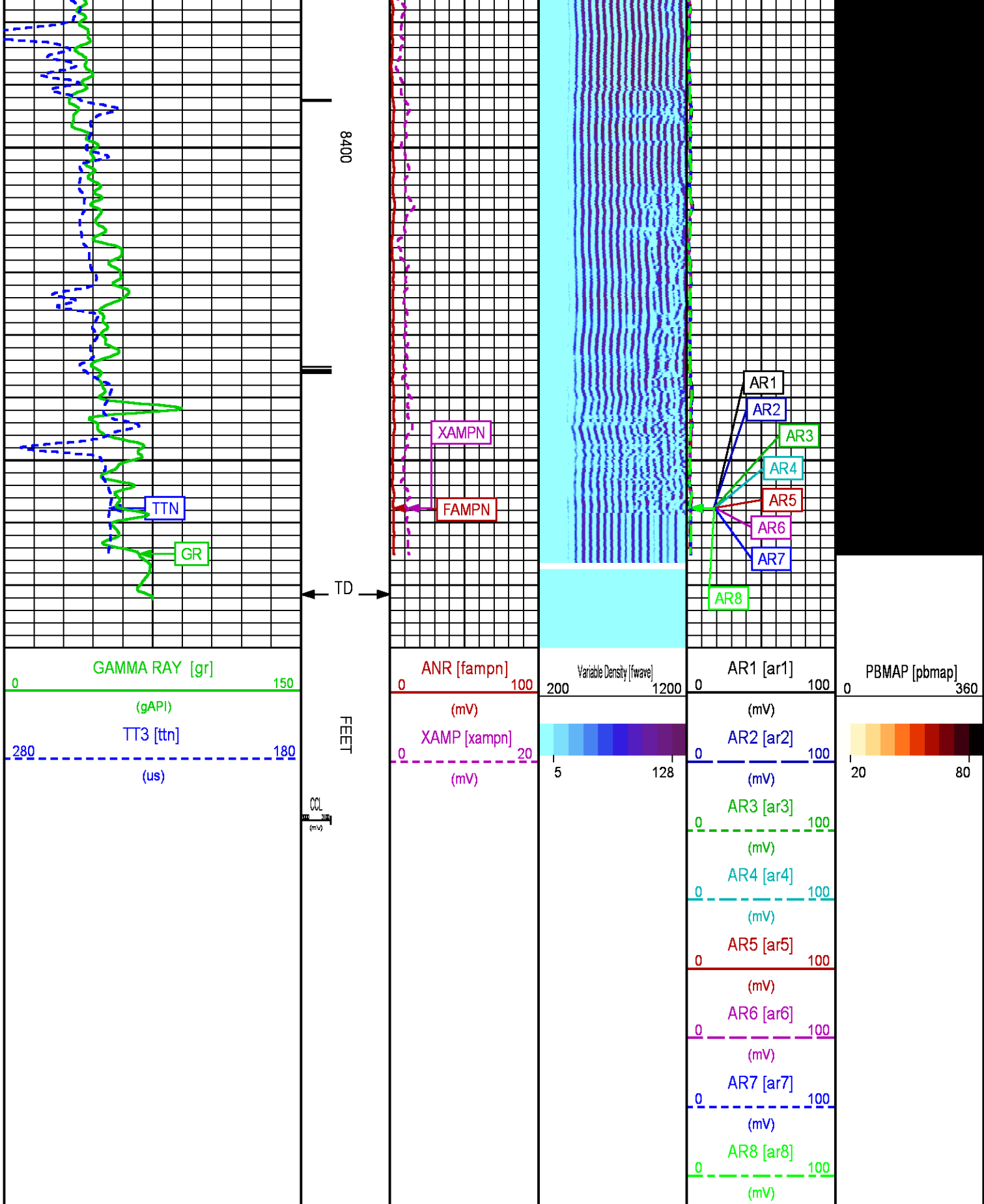












REPEAT LOG

Plotted: Sat Jan 10 16:10:30 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093866/n012e01.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 8116.500 ft BOTTOM DEPTH: 8483.250 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1)		TOP	8367.500
		light (2a)		8367.500	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 (fgpn*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	141	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	Jan 8 09:10:44 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 8 09:10:44 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 8 09:10:44 2015	FAR WAVE FORM
F1:GR	Jan 8 09:10:44 2015	GAMMA RAY
F1:TTN	Jan 8 09:10:44 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 8 09:10:44 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

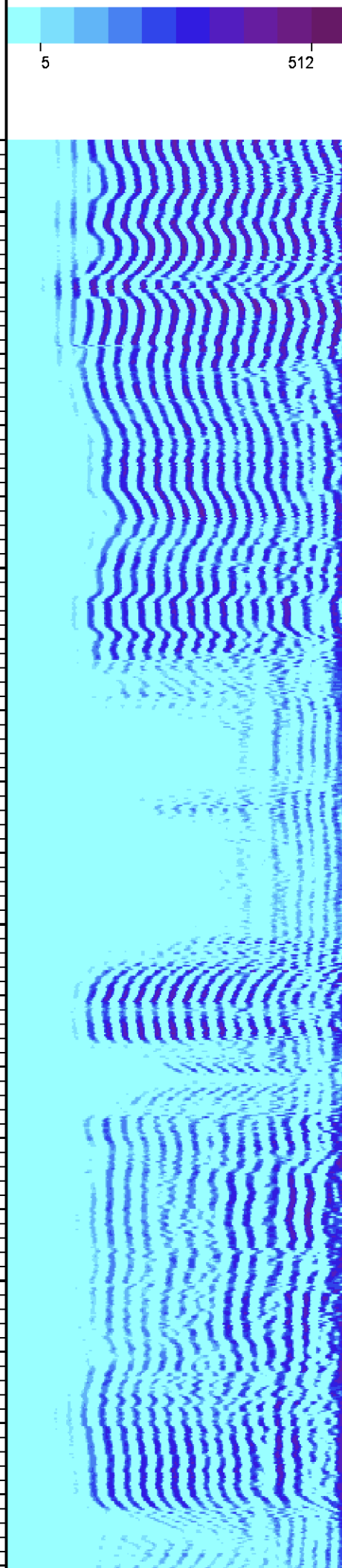
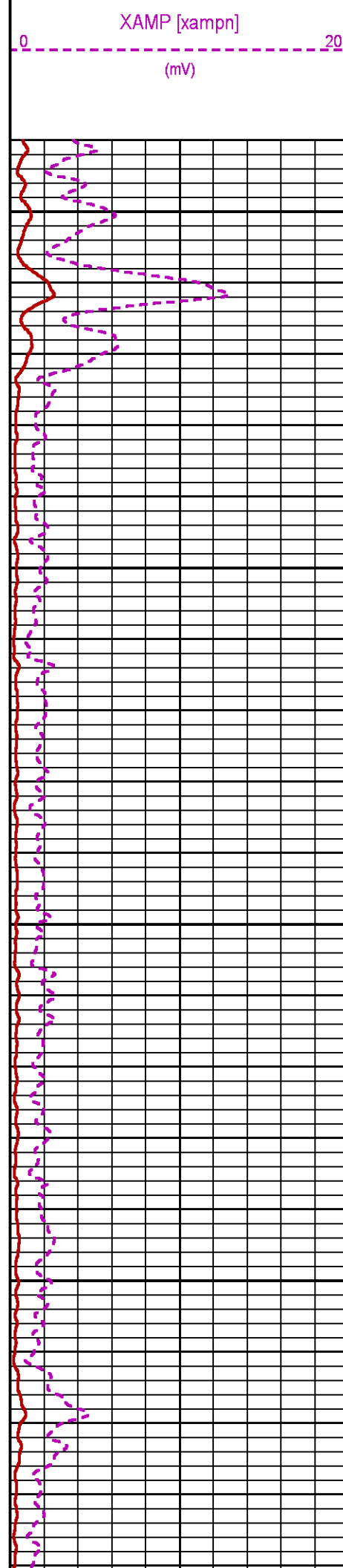
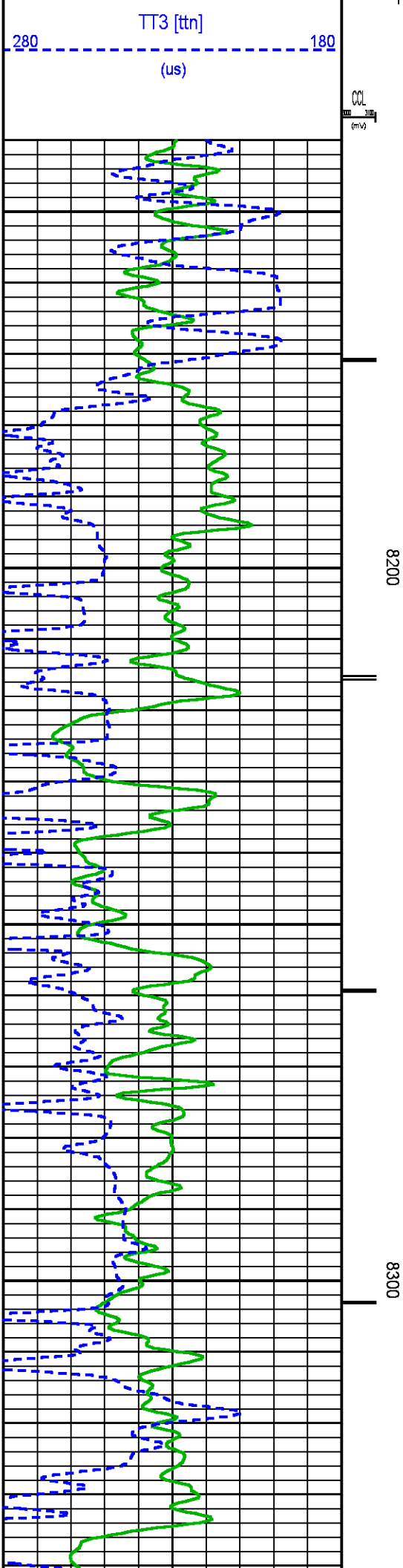
CURVE MEASURE POINT OFFSET

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				

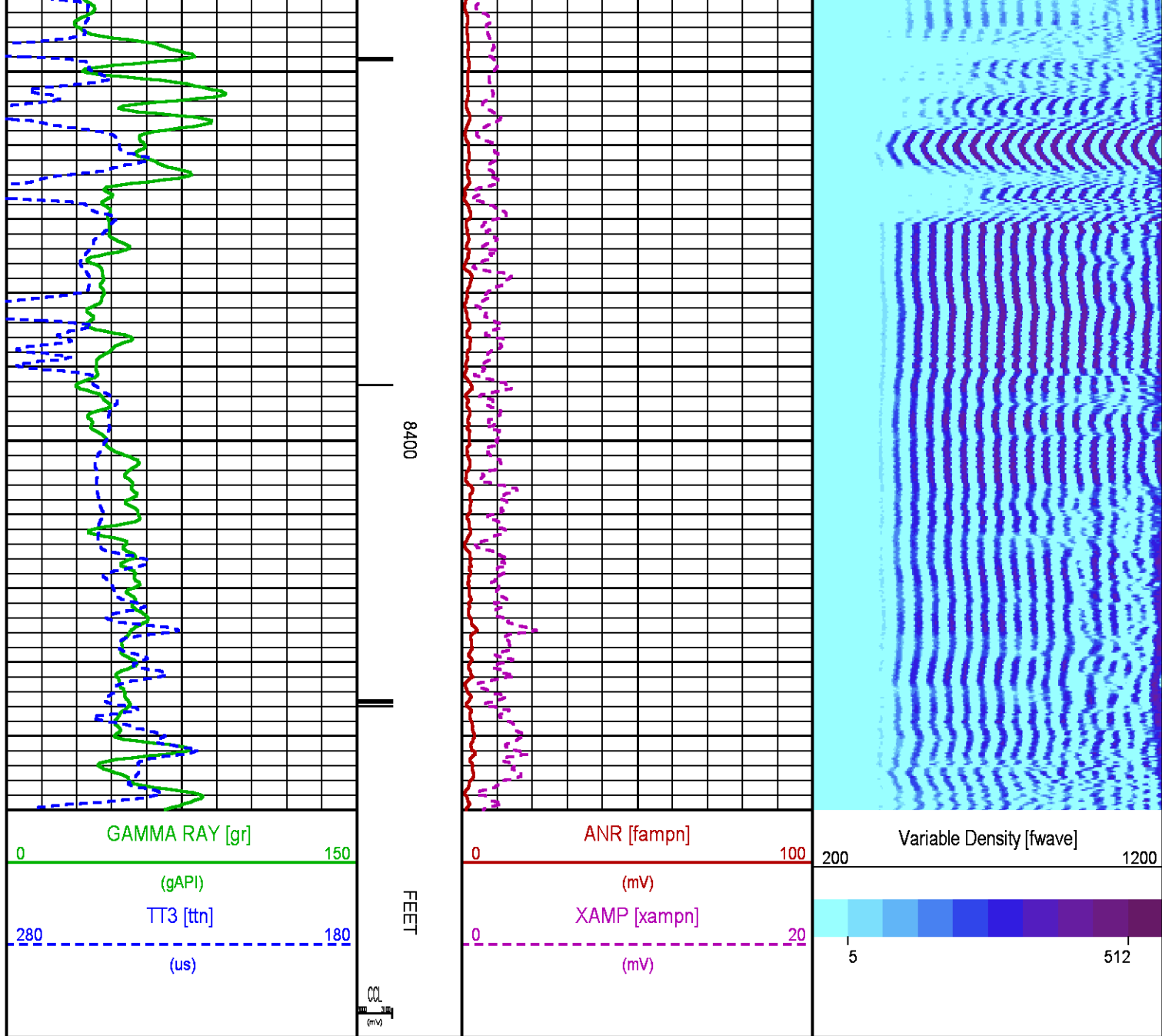
Presentation : HL6670:WPX\_CBL\_REPEAT\_PRESENTATION.fvpdf [5"/100' Scale]  
Plot Interval : 8140 - 8450 Feet

Data File 1 : F1 : HL6670:/dat1a/CH093866/REPEAT\_CBL.xtf  
Created On : Jan 8 09:10:44 2015  
Company : WPX ENERGY ROCKY MTN LLC  
Well : FEDERAL PA 333-27  
Field : PARACHUTE  
File Interval : 17.5 - 8483.25 Feet  
OCT : n012e









## CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH093866/n012eFINAL.tp1

### RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Tue Jan 6 08:29:49 2015

UNIT #: 3880TA HL6670

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

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
ZERO (mV)	0.07	-0.08	-0.22	-0.37	0.35	-0.21	-1.25	-0.54	0.29	5.49	-0.01
AMP FLUID (mV)	325	324	323	322	320	326	326	327	324	448	323

AMP FLUID (mV)	323	324	325	322	320	328	326	327	324	449	322
TT (us)	217	217	216	216	216	216	216	216	218	325	217
M FACTOR	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.34	0.31

### RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10154957 DATE/TIME PERFORMED: Thu Jan 8 08:38:22 2015 DAYS SINCE CAL: 2

UNIT #: 3880TA HL6670 CABLE #: Z06670 SMALLCBL

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	-0.03	-0.58	-0.39	-0.43	-0.61	-0.39	-0.36	-0.59	-0.37	-0.17	-0.05
AMP AIR	0.32	0.80	0.60	0.70	0.93	0.70	0.54	0.80	0.65	0.67	100.91

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
0.31	0.00	0.99

### GR PRIMARY CALIBRATION SUMMARY

TOOL #: 2459XA 10124121 DATE/TIME PERFORMED: Tue Jan 6 08:43:58 2015

UNIT #: 3880TA HL6670 CALB JIG #: 4702NK DA-041

	BACKGROUND (cts)	CALBTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBTR ON (gAPI)	CALBTR (gAPI)
GR	85.07	357.69	272.6	0.679	57.73	242.73	185

### GR PRIMARY VERIFICATION SUMMARY

TOOL #: 2459XA 10124121 DATE/TIME PERFORMED: Tue Jan 6 08:49:28 2015

UNIT #: 3880TA HL6670 VERI JIG #: 4702NK DA-041

	BACKGROUND (cts)	CALBTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBTR ON (gAPI)	DIFF. (gAPI)
GR	90.71	352.71	0.679	61.56	239.35	177.79
						175.00 195.00

### GR AFTER LOG VERIFICATION SUMMARY

NOT IN DATABASE

### INSTRUMENT CONFIGURATION

Source File: /dat1a/CH093866/n012e~F-tdg

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



23.02'

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

NEAR RCVR — 13.81'

FAR RCVR — 12.85'

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

CCL — 8.65'

GR — 6.79'

NEU — 1.40'

BULL PLUG 2 3/4

0.00'

TOTAL LENGTH: 23.02'  
TOTAL WEIGHT: 258 lbs  
MAX DIAMETER: 0'4.00"



COMPANY	WPX ENERGY ROCKY MTN LLC		FILE NO:	
WELL	FEDERAL PA 333-27		US093866	
FIELD	PARACHUTE		API NO:	
COUNTY	GARFIELD	STATE	CO	05045223360000
LOCATION:		ELEVATIONS:	S27 T6S R95W	
SHL: 2367' FNL; 648' FEL		KB 5882 FT	PAD: DOE 2-W-27	
BHL: 2314' FSL; 1840' FEL		DF	RIG: NABORS 576	
		GL 5856 FT		
SEC	27	TWP	6S	RGE 95W
		DATE	08-Jan-2015	