



FILE NO: CH093338	COMPANY WELL FIELD COUNTY	WPX ENERGY YOUBERG RU 42-7 RULISON GARFIELD	STATE COLORADO
API NO: 05045223470000			

Ver. 3.87 7 7S 93W RU 42-7 PAD NABORS 574	LOCATION: SHL: 2479' FNL & 383' FEL BHL: 1602' FNL & 1371' FEL SEC 7 TWP 7S RGE 93W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB GL	ELEVATION 26 FT ABOVE P.D. 7737 FT 7763 FT 7737 FT
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DATE	05-Dec-2014
RUN	1
SERVICE ORDER	US093338
DEPTH DRILLER	9912 FT
DEPTH LOGGER	9874 FT
BOTTOM LOGGED INTERVAL	9864 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	12:00
TIME FINISHED	15:30
OPERATOR RIG TIME	3.5 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	86 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	65 F/MIN
MAX. RECORDED TEMP.	249 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	6670
LOCATION	P. EDWARDS CHRIS TILLER
RECORDED BY	
WITNESSED BY	

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	26 FT	1111 FT
8.75 IN	1111 FT	9982 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			26 FT	1111 FT
4.5 IN	11.6 LB/F	P-110	26 FT	9982 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 -11.5 feet.

Logged with zero PSI at wellhead.

BHT = 249 degF

SJ = 6369' - 6392'

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	BOND TOOL	1426XA	10417452	CENTRALIZED
1	1	GR/CCL	2459XA	10218503	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: Fri Dec 5 18:02:20 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093338/n012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 44.750 ft BOTTOM DEPTH: 9910.313 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*)	176	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	Dec 5 12:34:02 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 5 12:34:02 2014	FAR WAVE FORM
F1:GR	Dec 5 12:34:02 2014	GAMMA RAY
F1:TTN	Dec 5 12:34:02 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

CURVE MEASURE POINT OFFSET

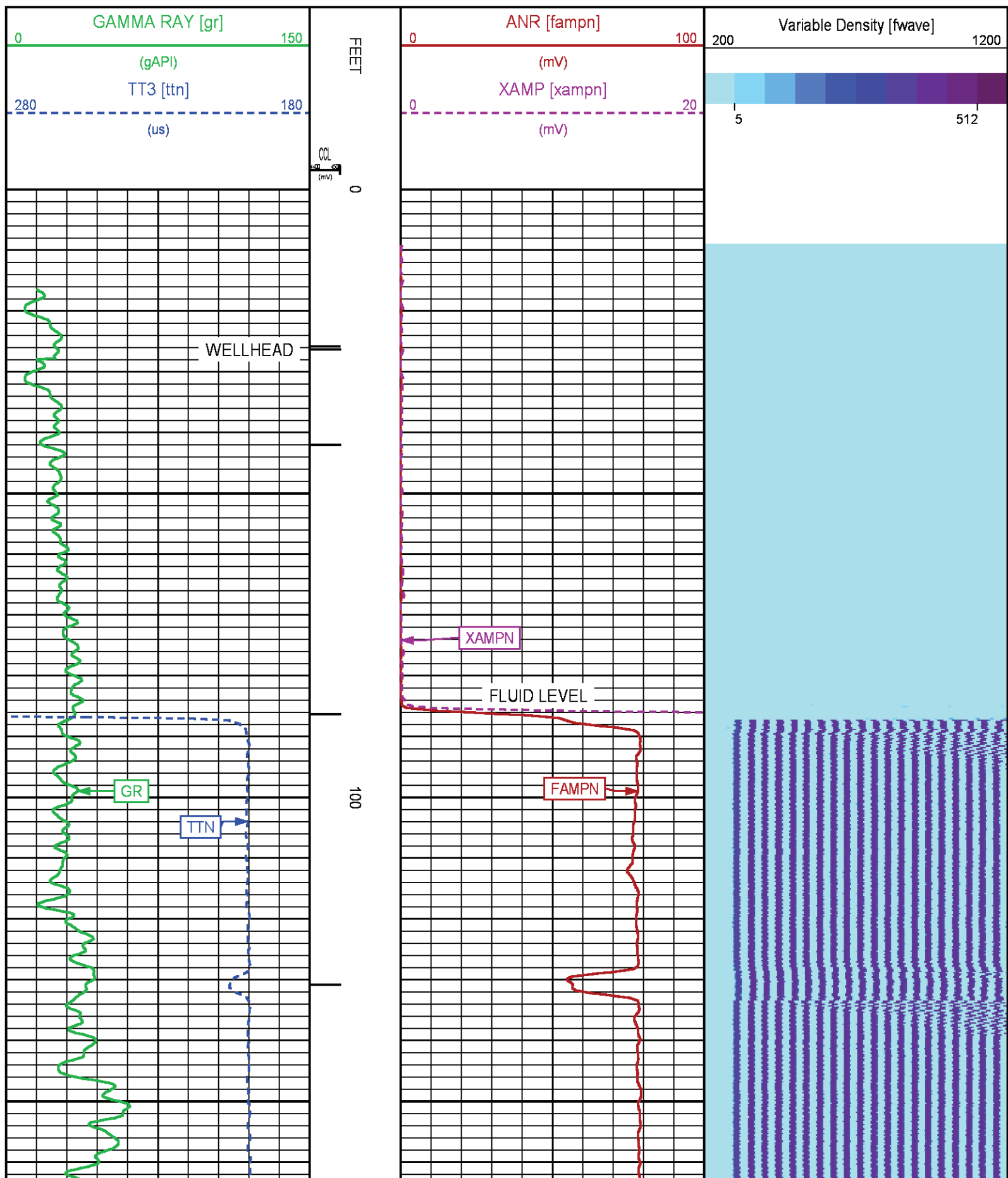
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

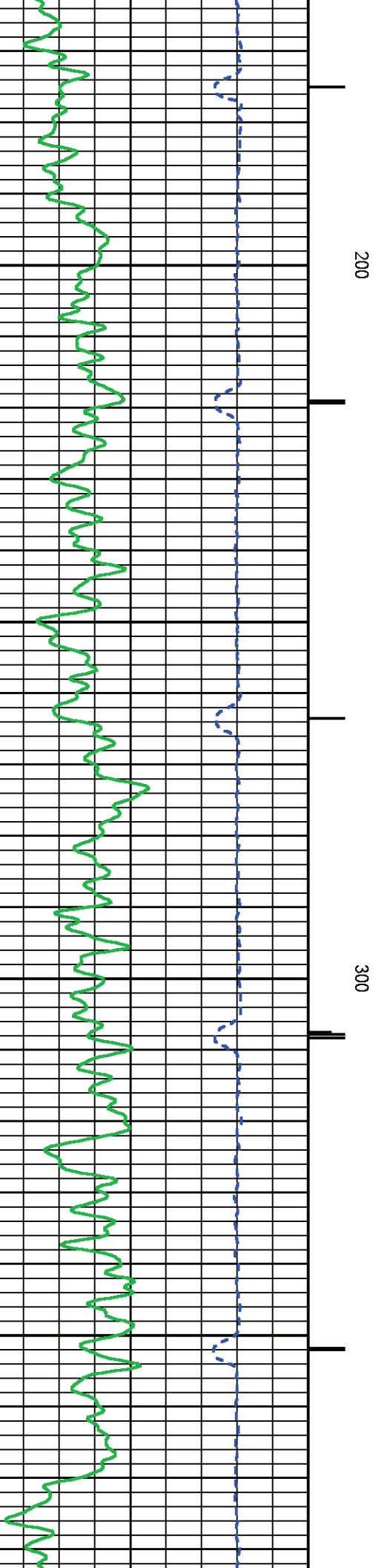
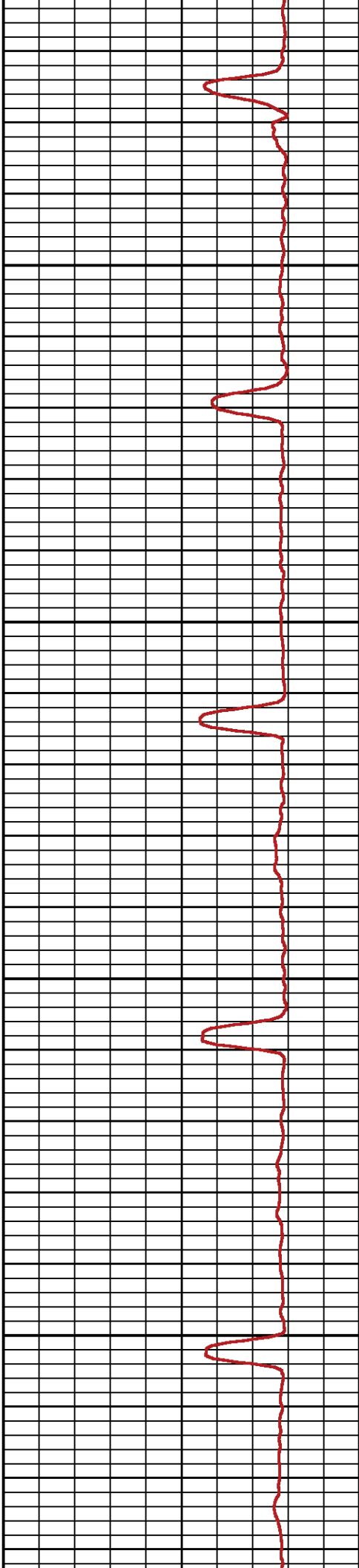
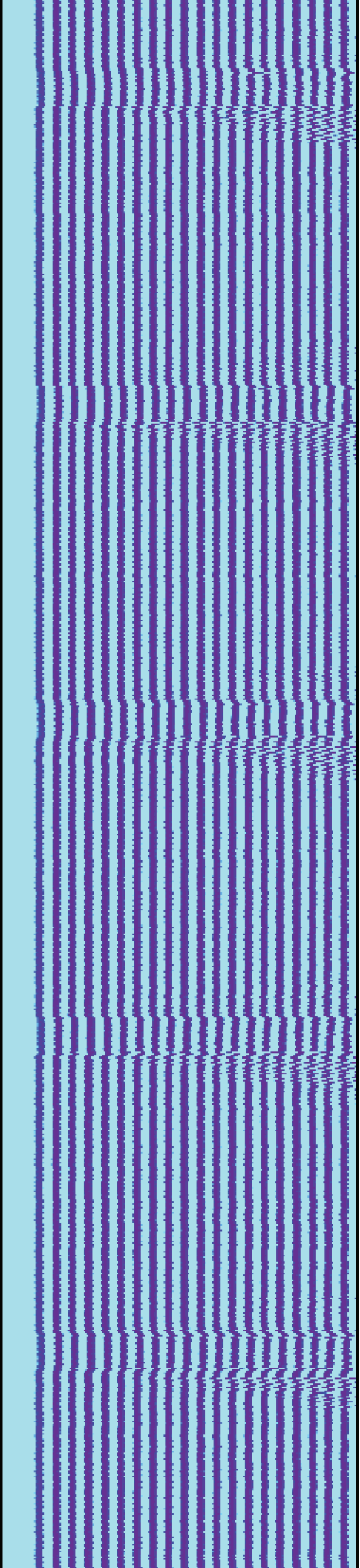
Presentation : HL6670:/dat1a/CH093338/42_CBL_PRIMARY_PRESENTATION.fvpdf [5"/100' Scale]

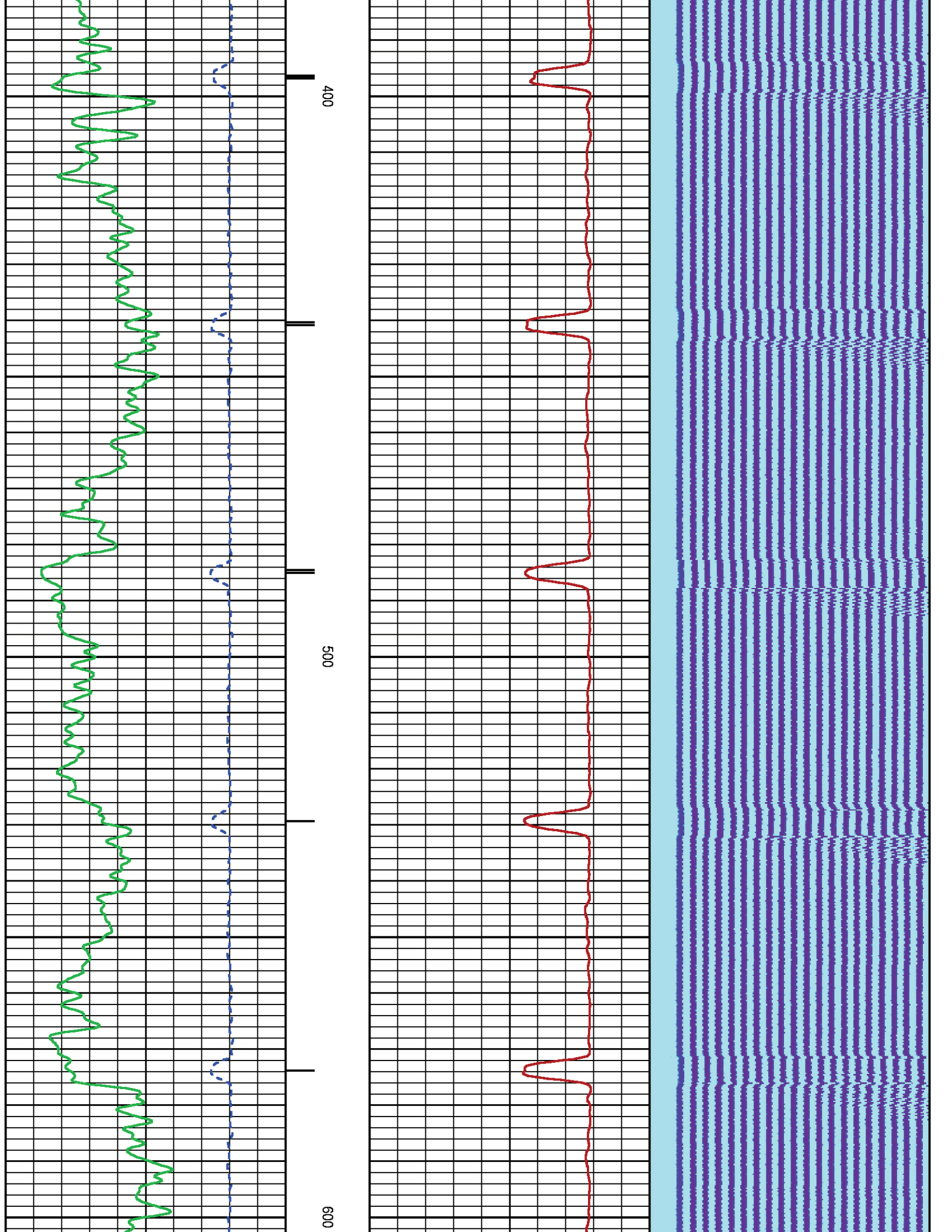
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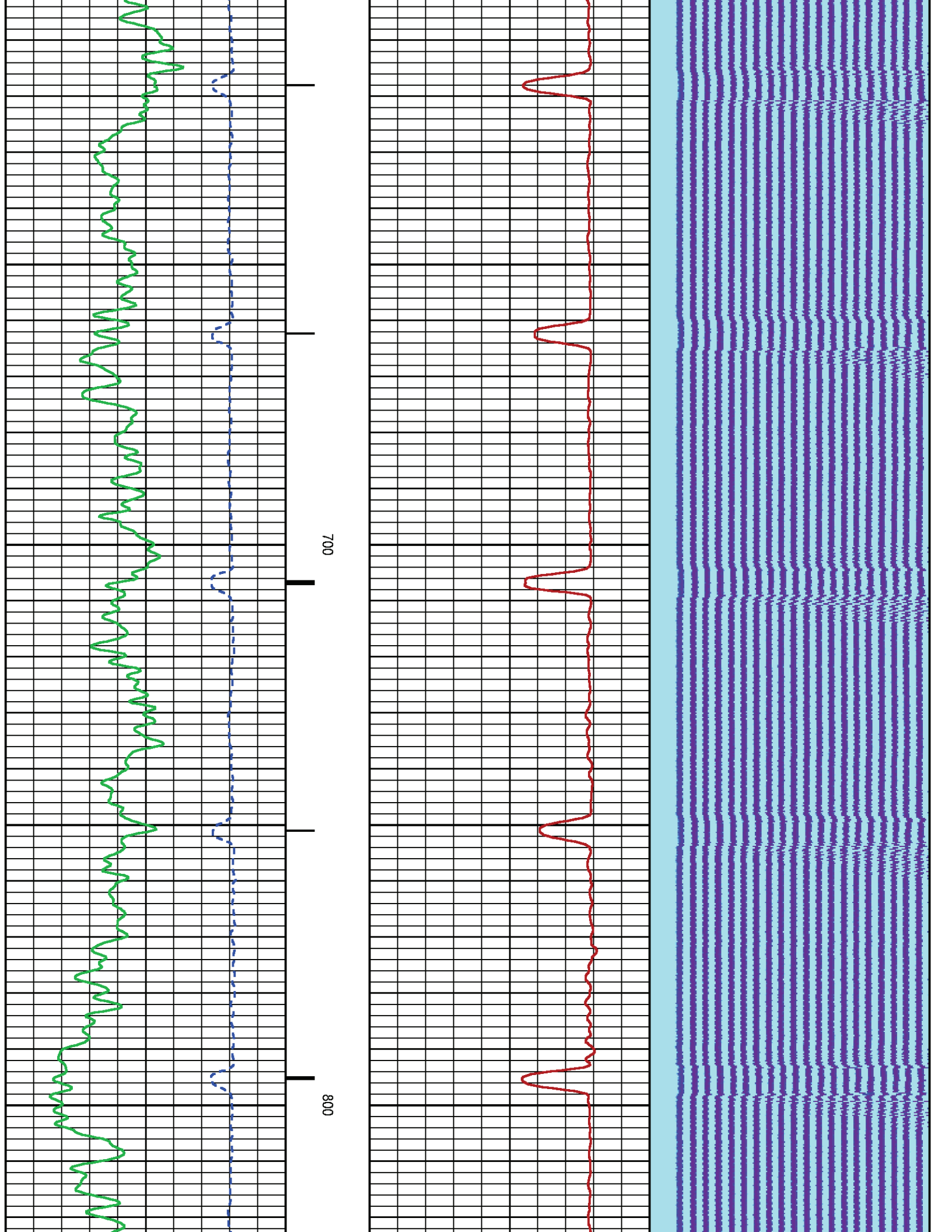
Plot Interval : 0 - 507.5 Feet

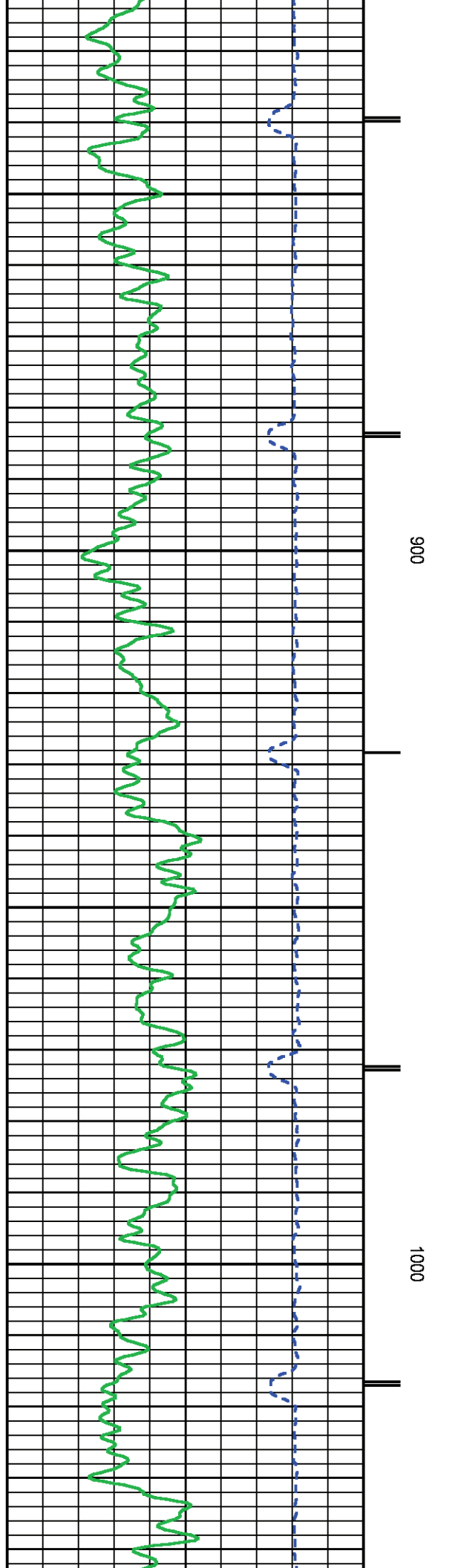
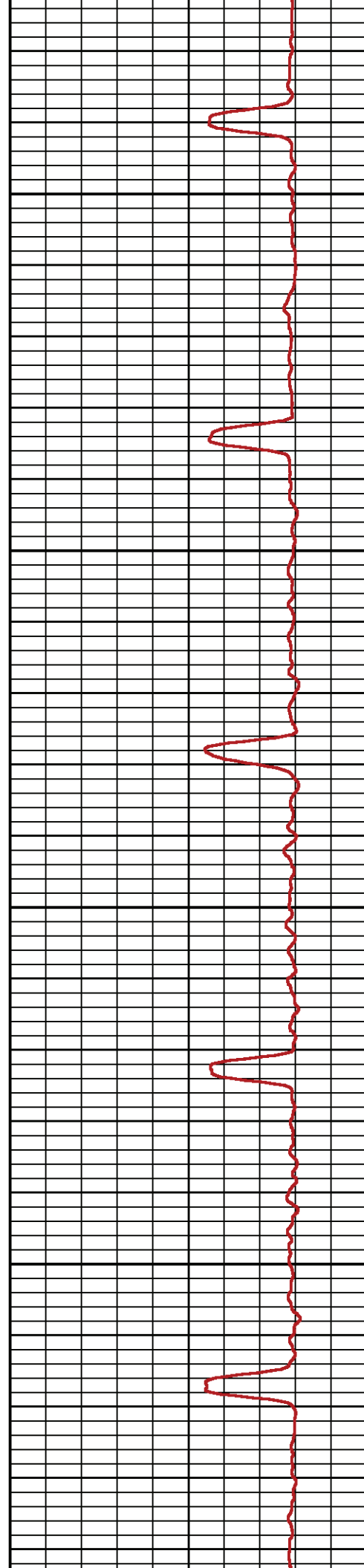
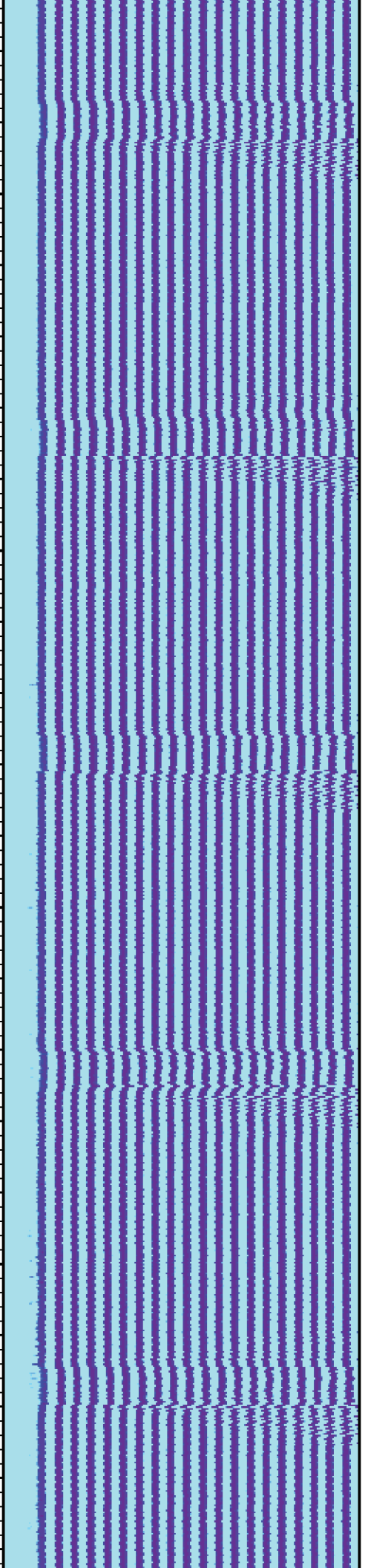
Data File 1 : F1 : HL6670:/dat1a/CH093338/42_CBL_MAIN.xtf
Created On : Dec 5 12:34:02 2014
Company : WPX ENERGY
Well : YOUBERG RU 42-7
Field : RULISON
File Interval : 8 - 9898.75 Feet
OCT : n012e

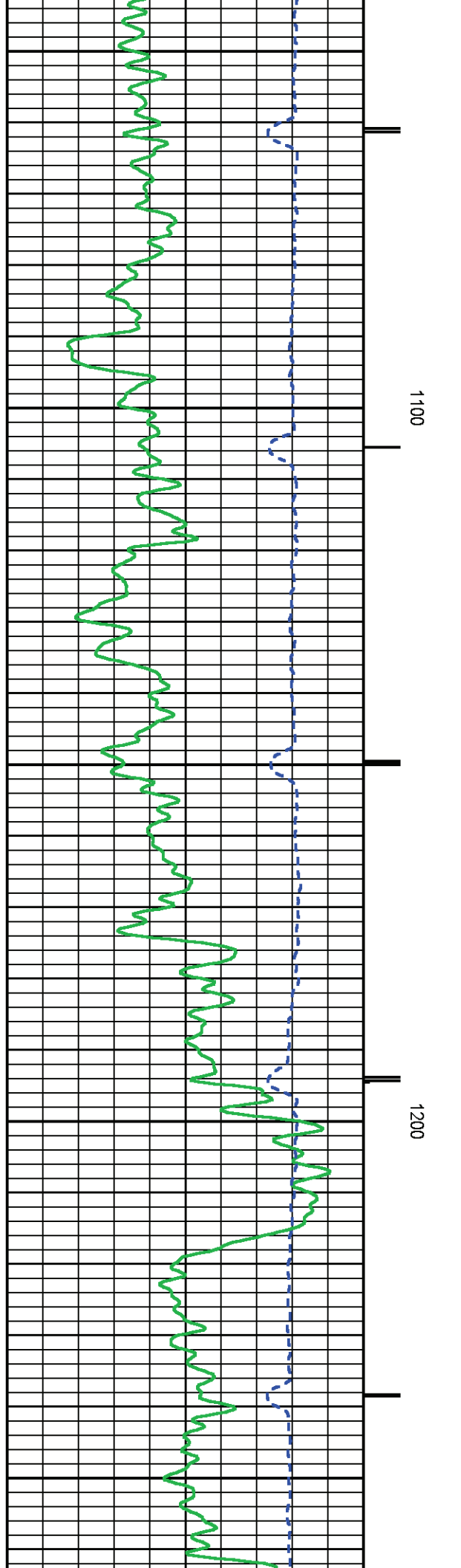
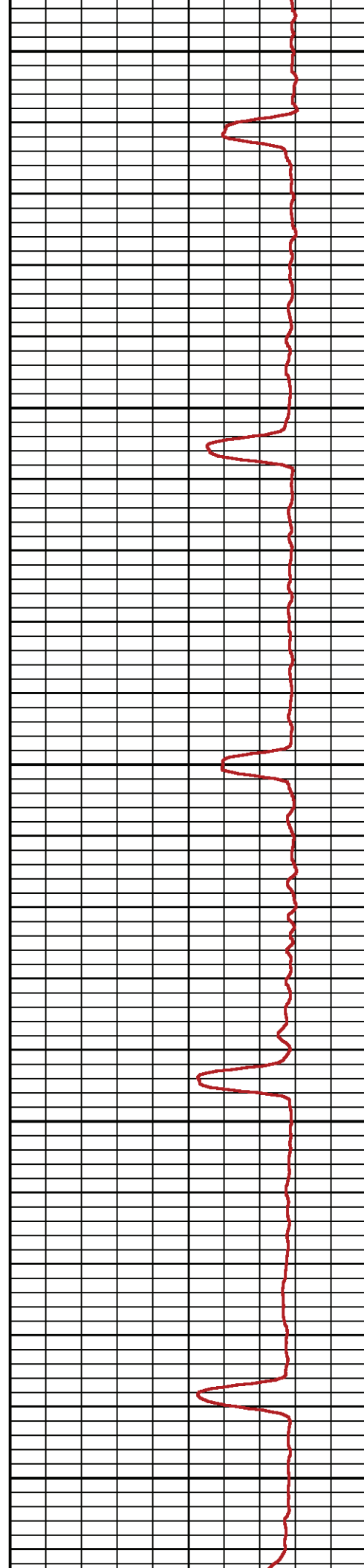
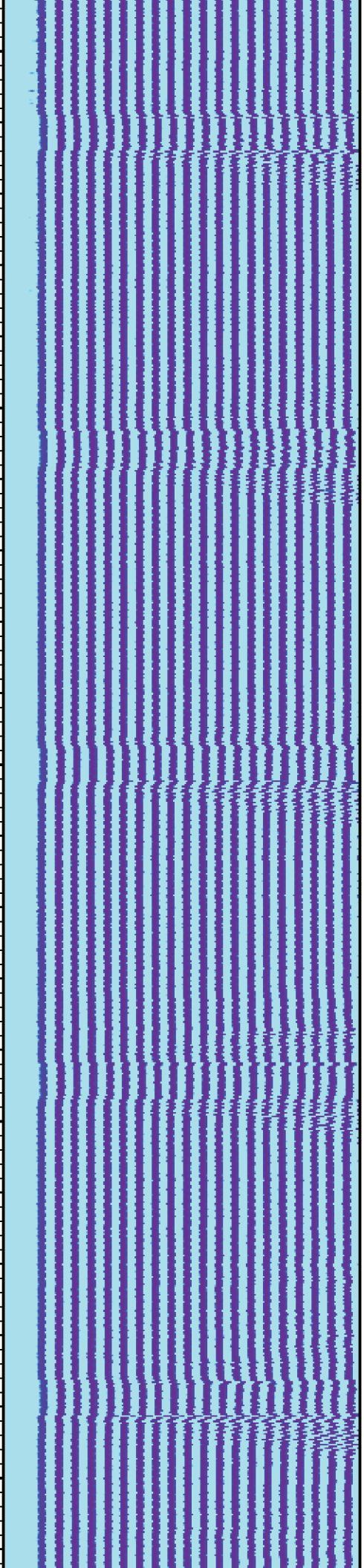


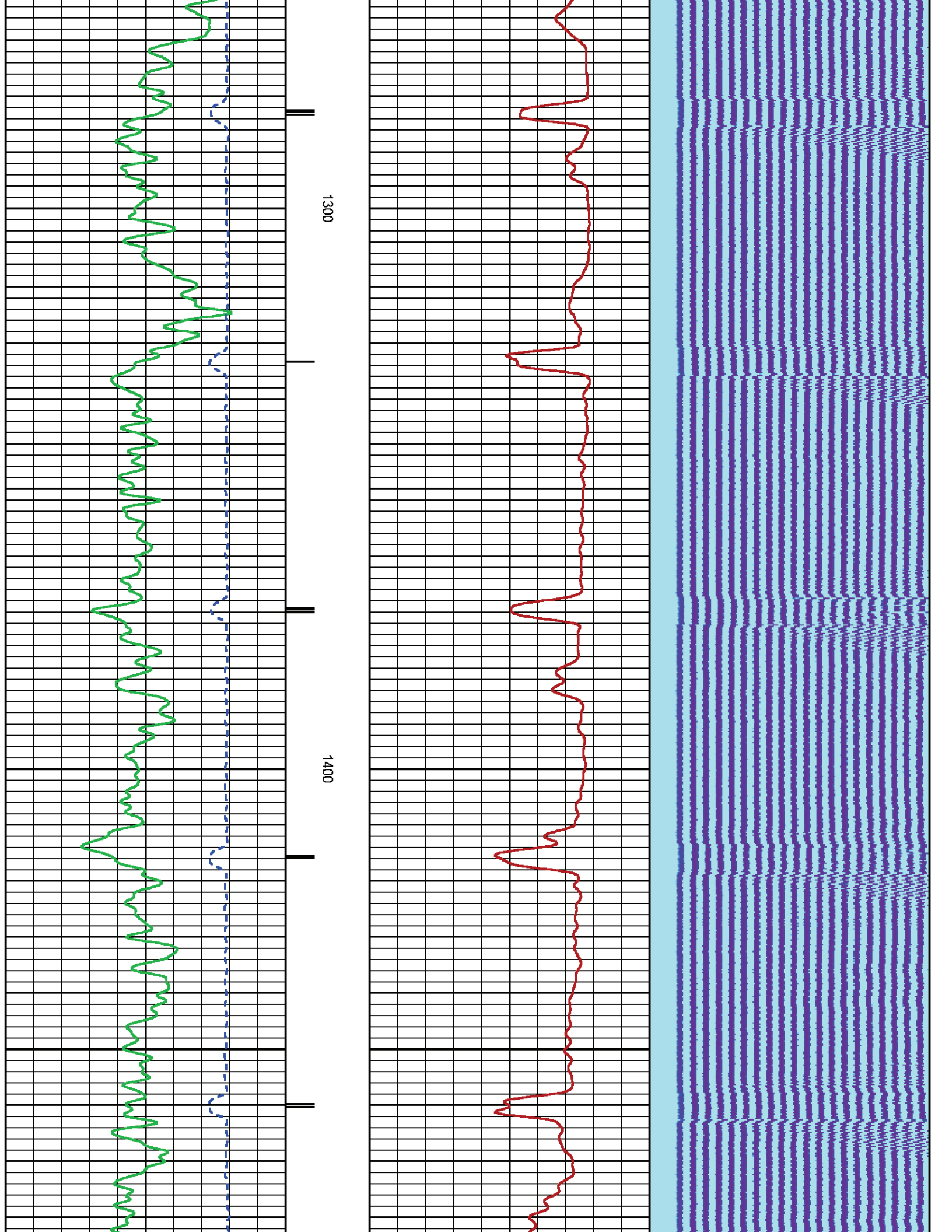


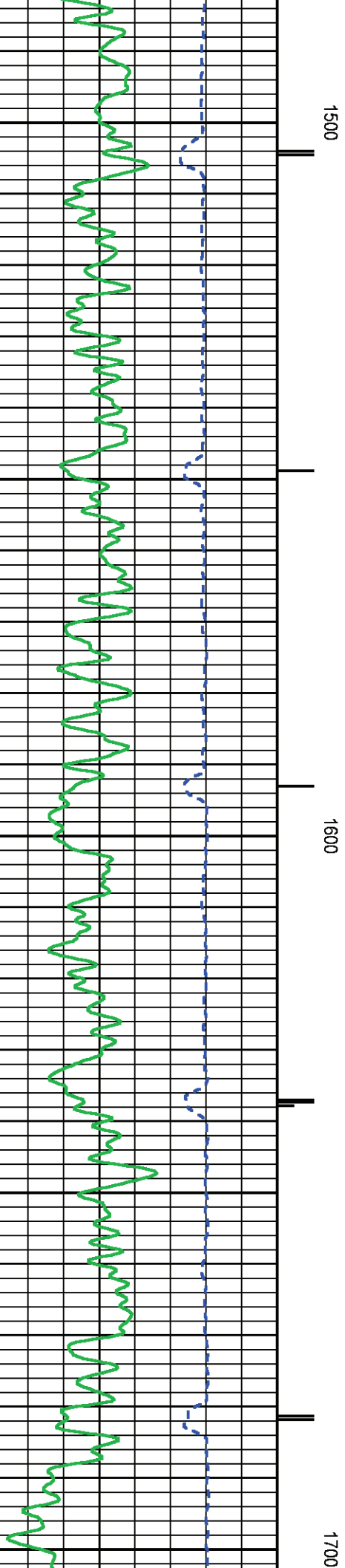
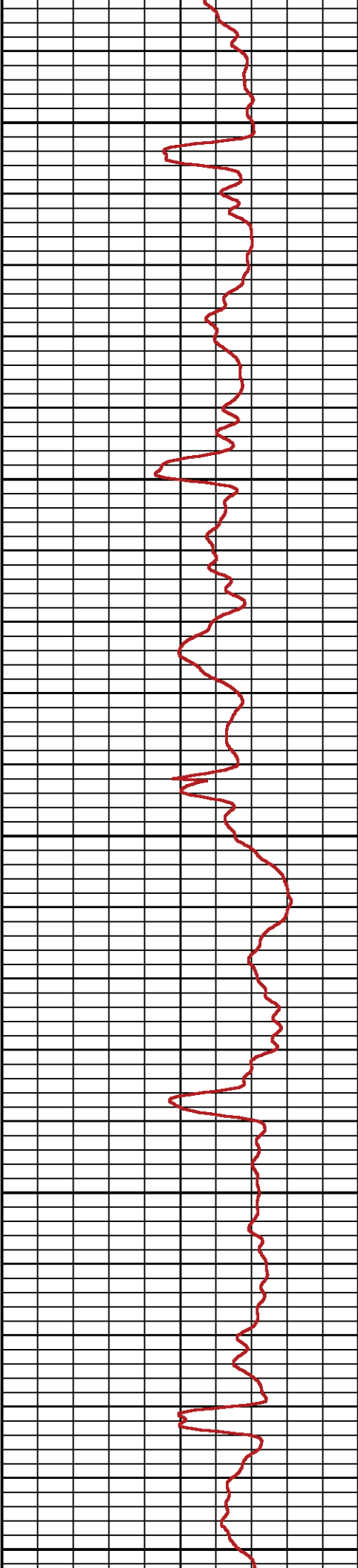
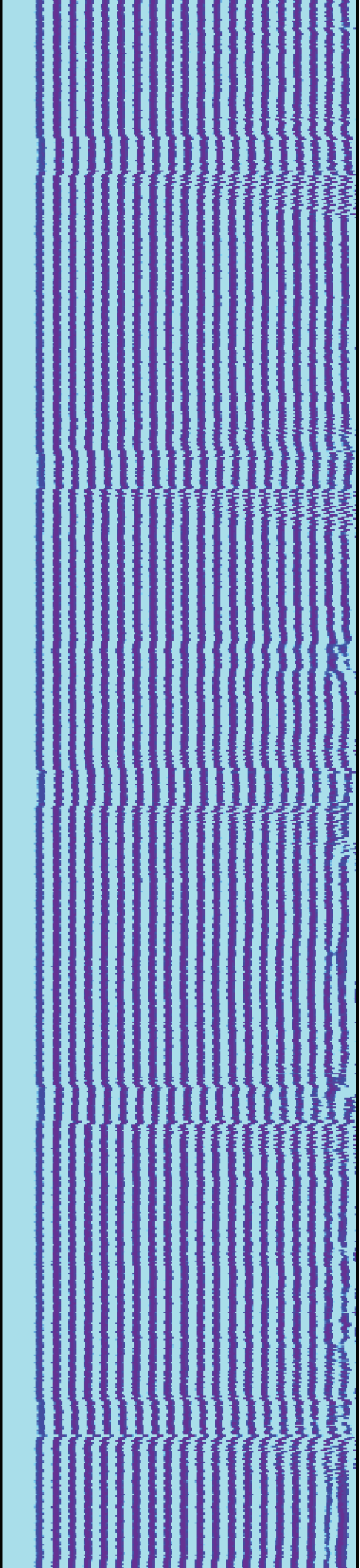


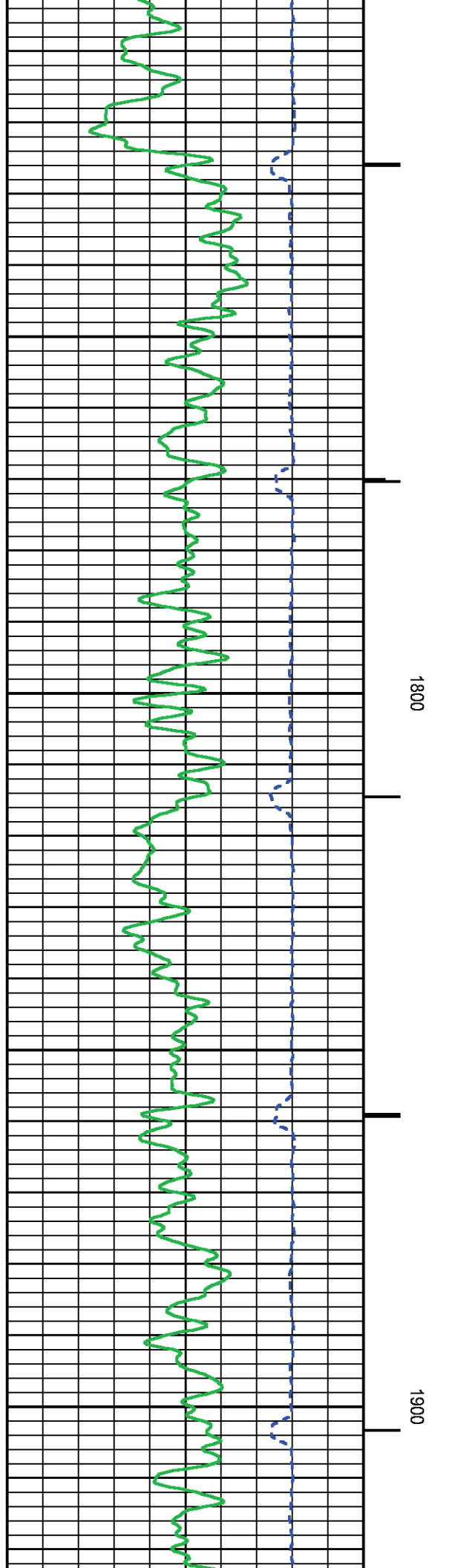
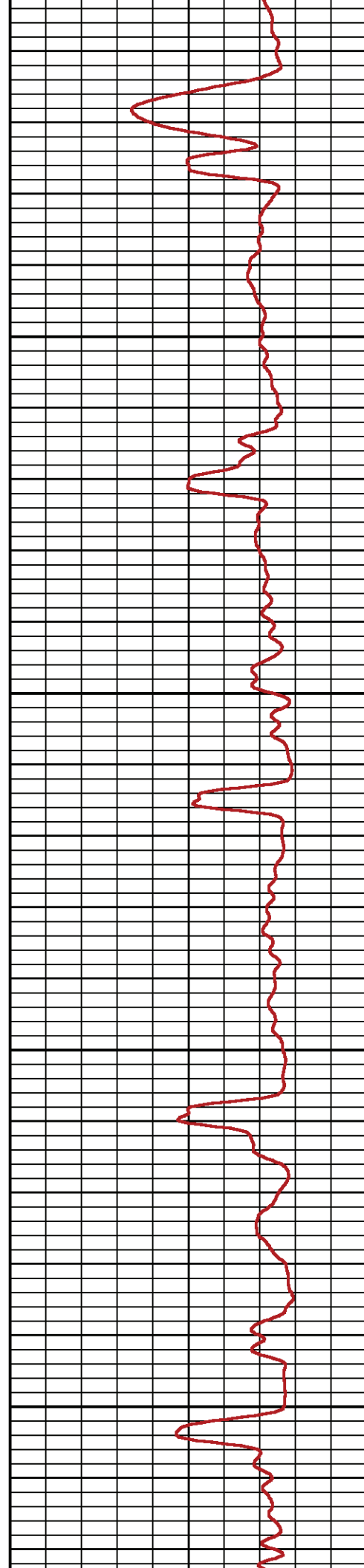
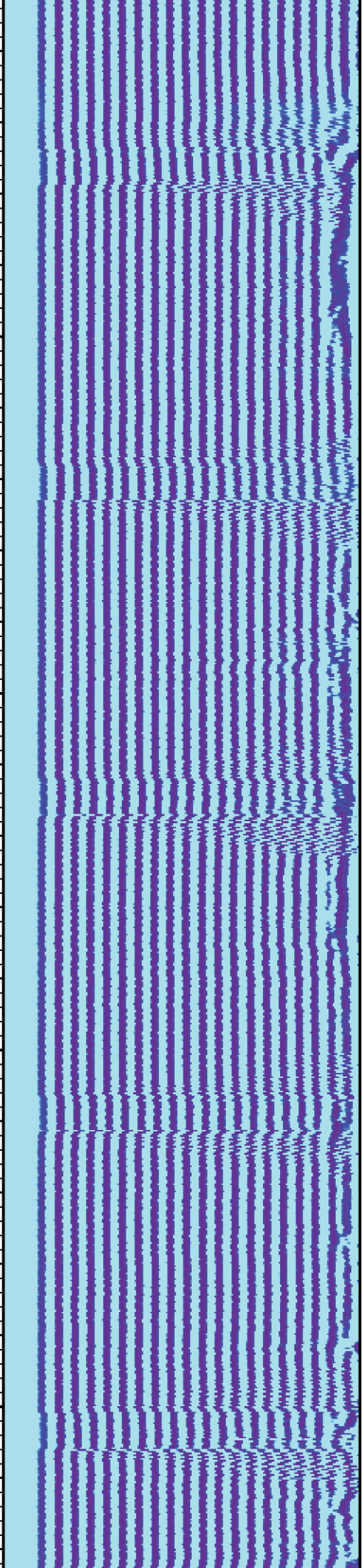


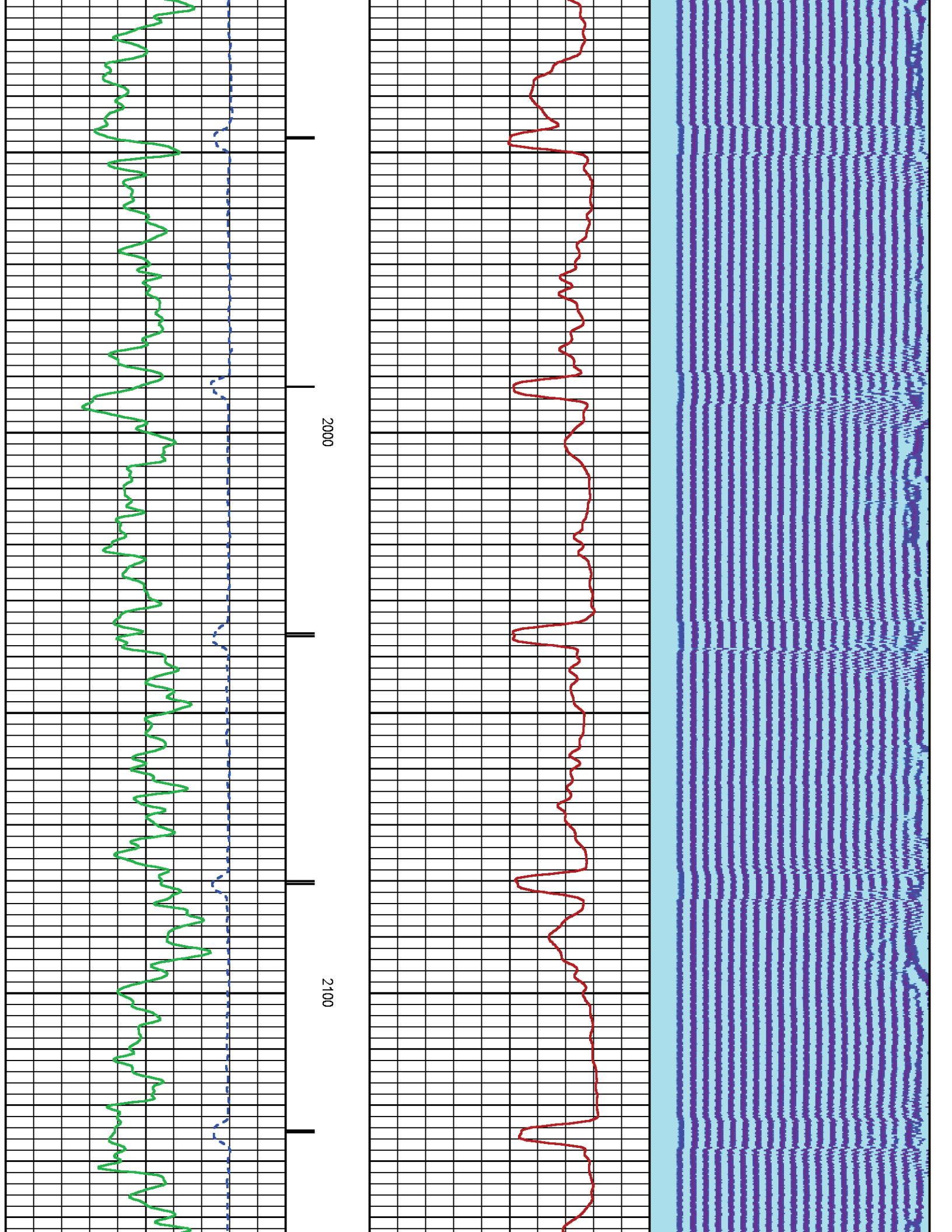


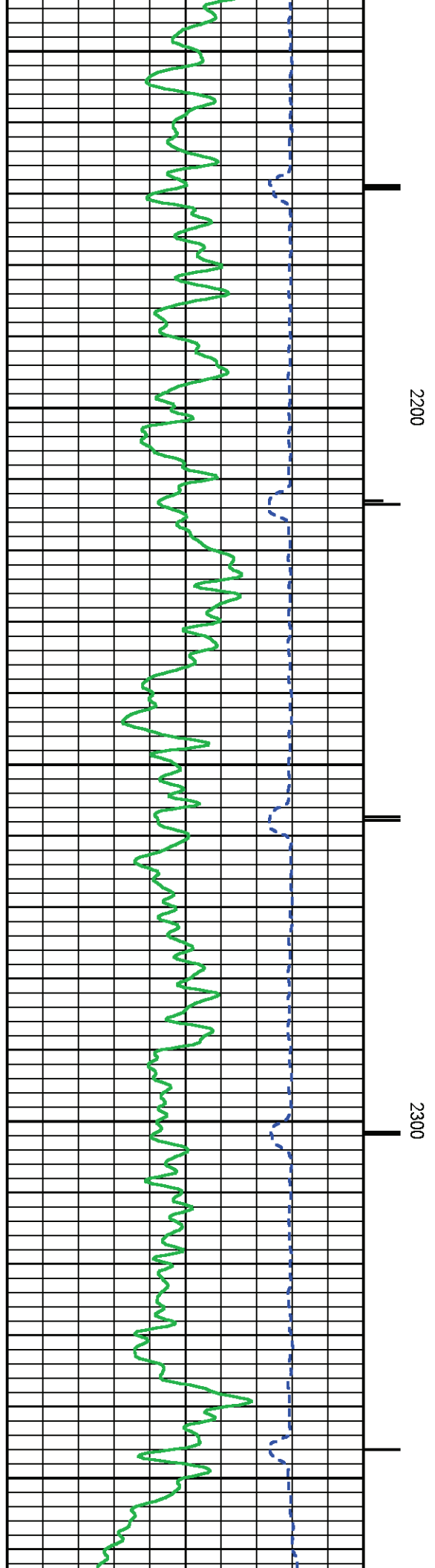
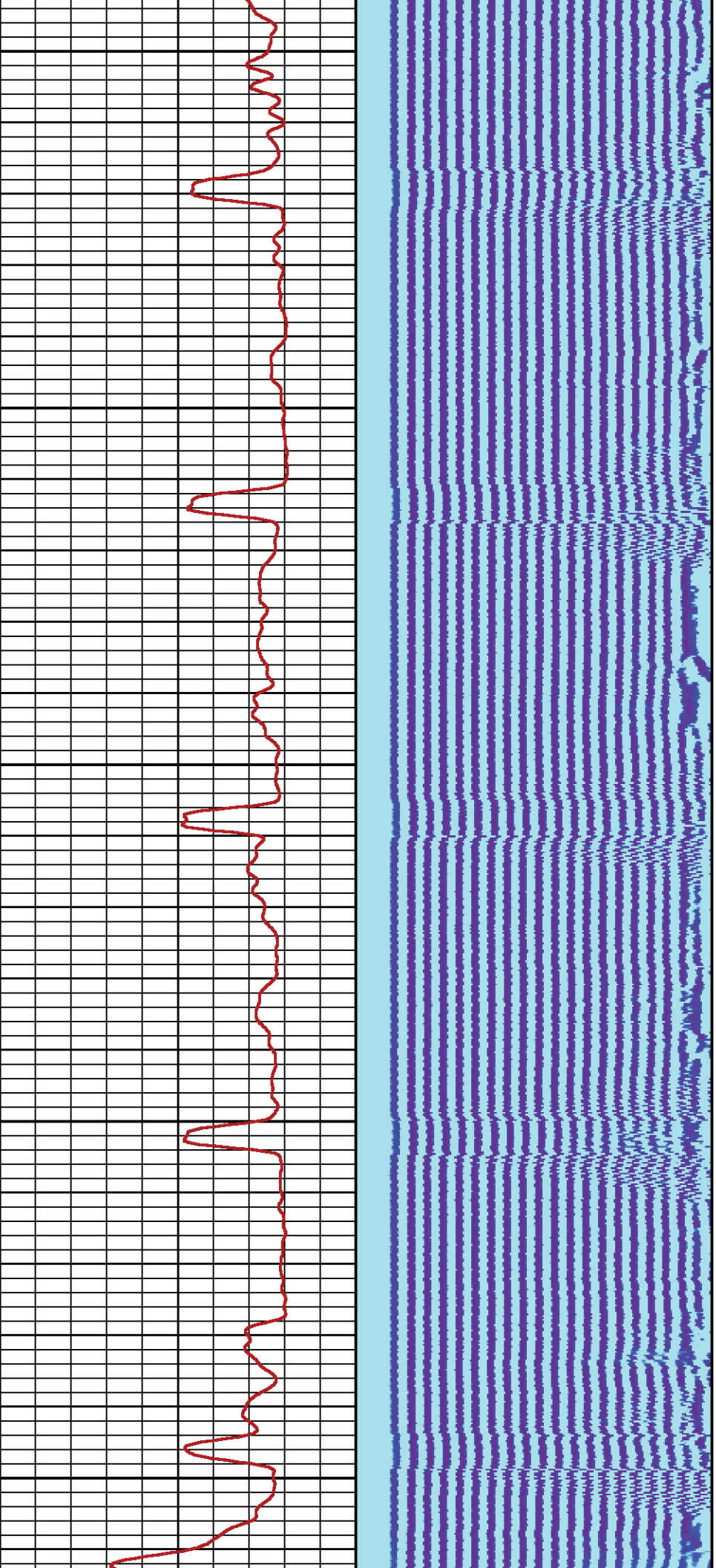


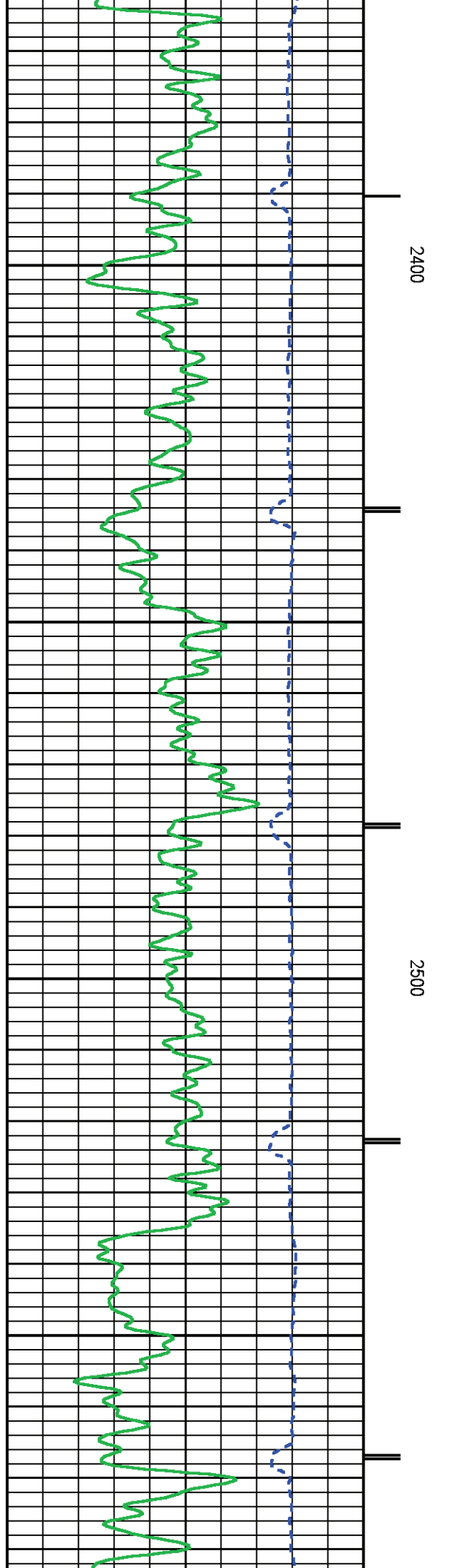
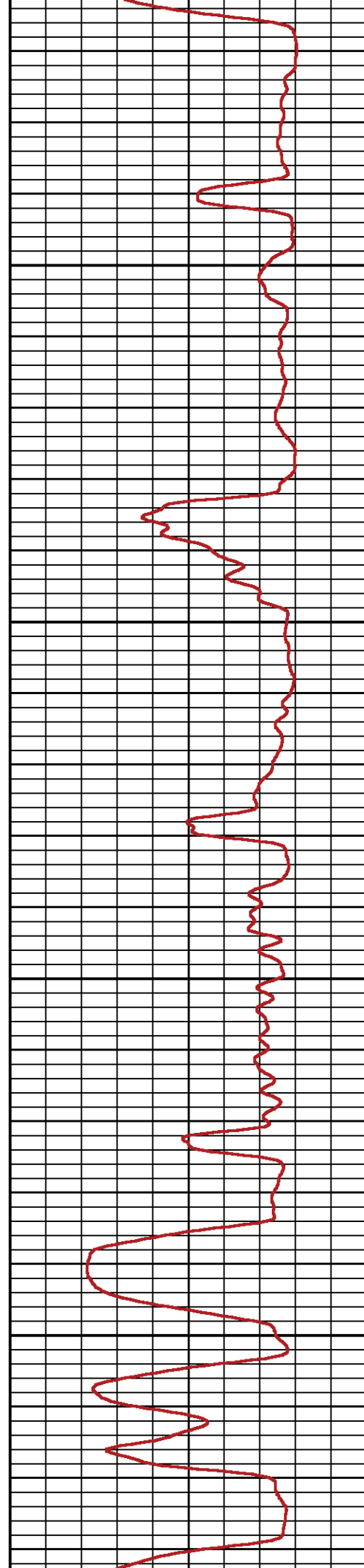
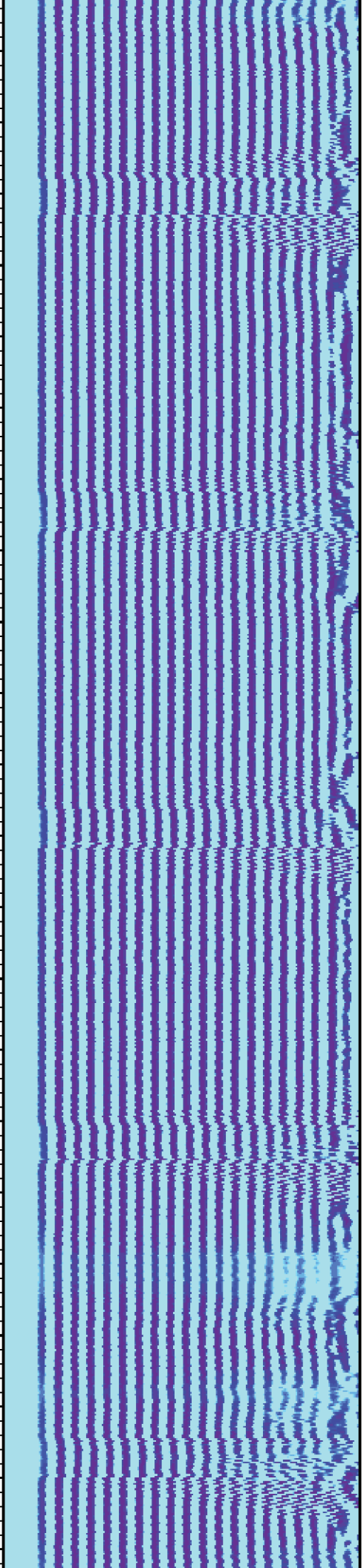


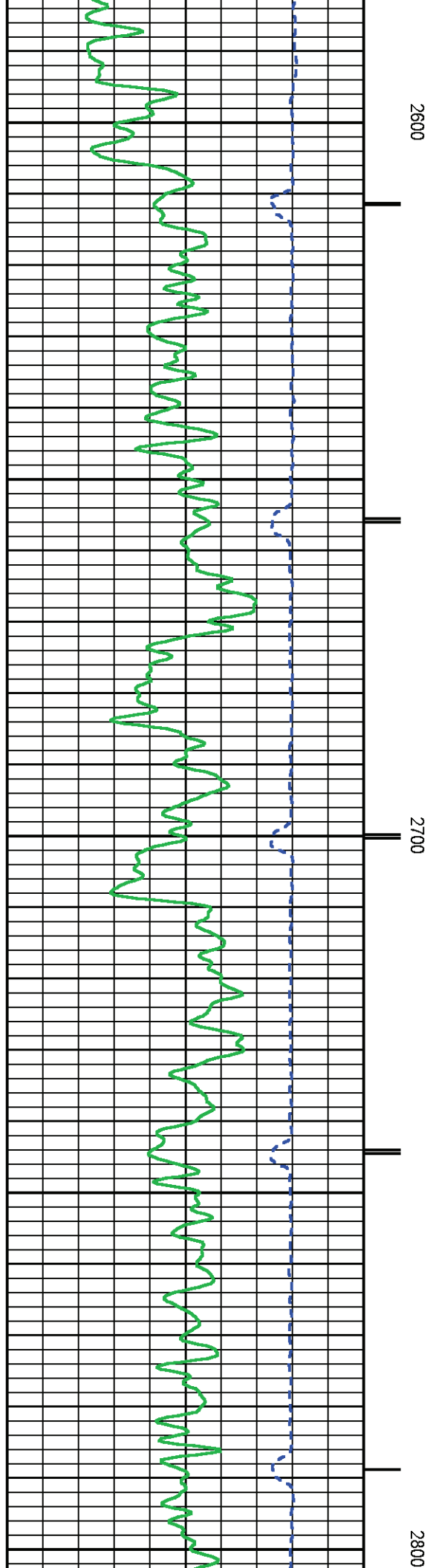
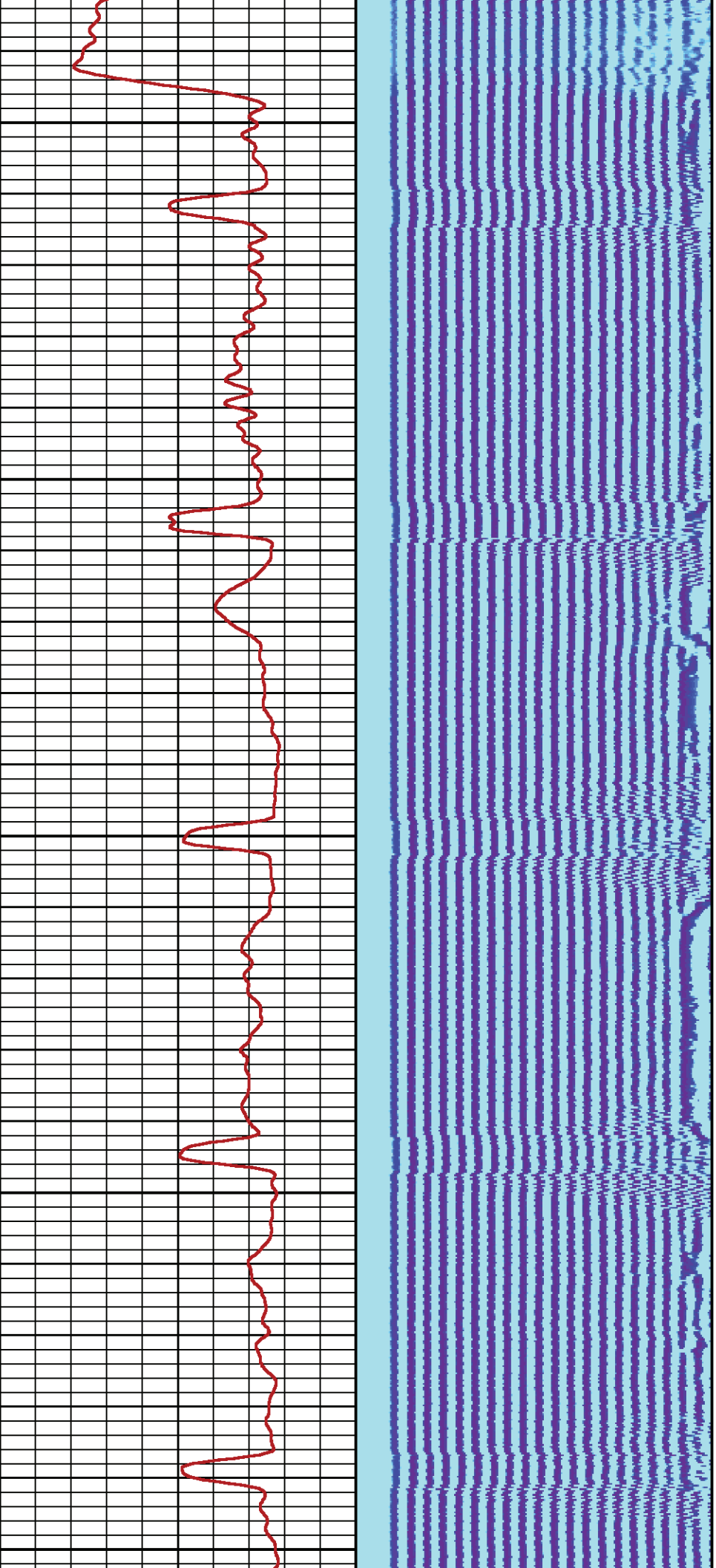


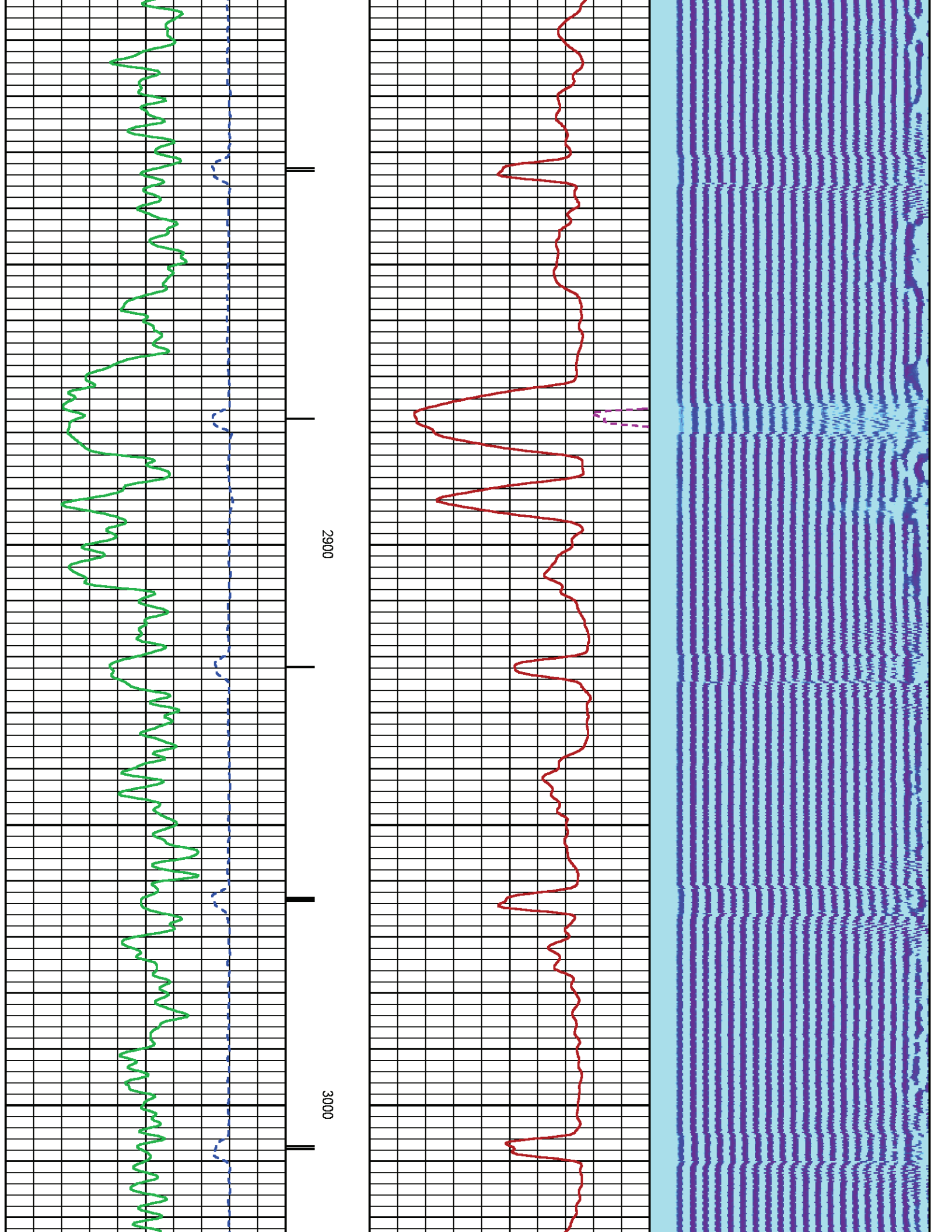


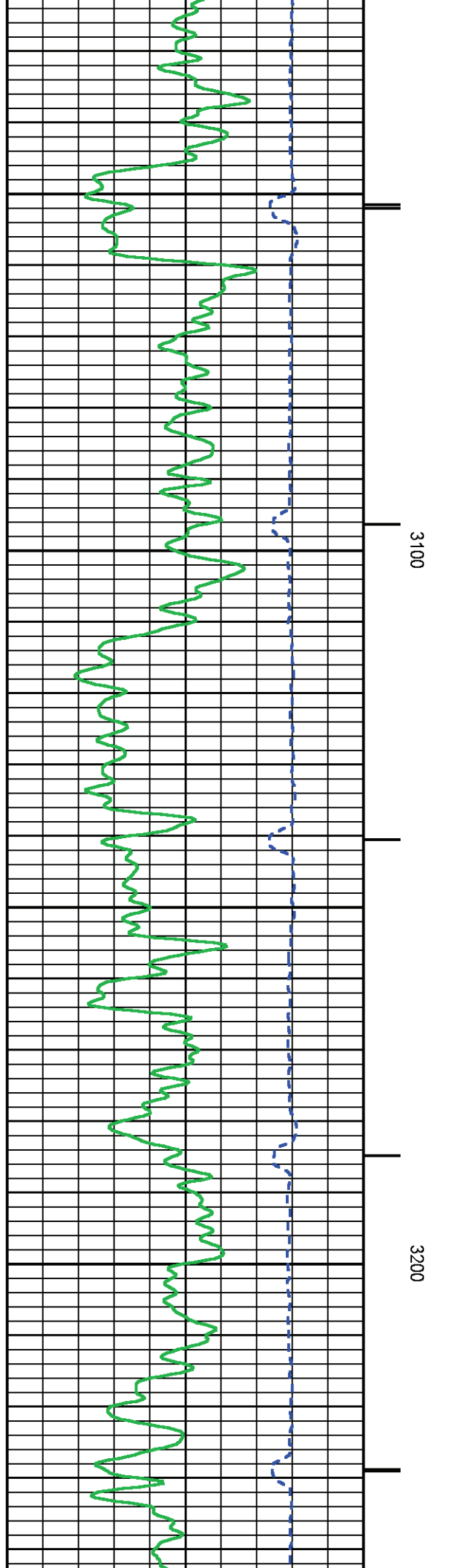
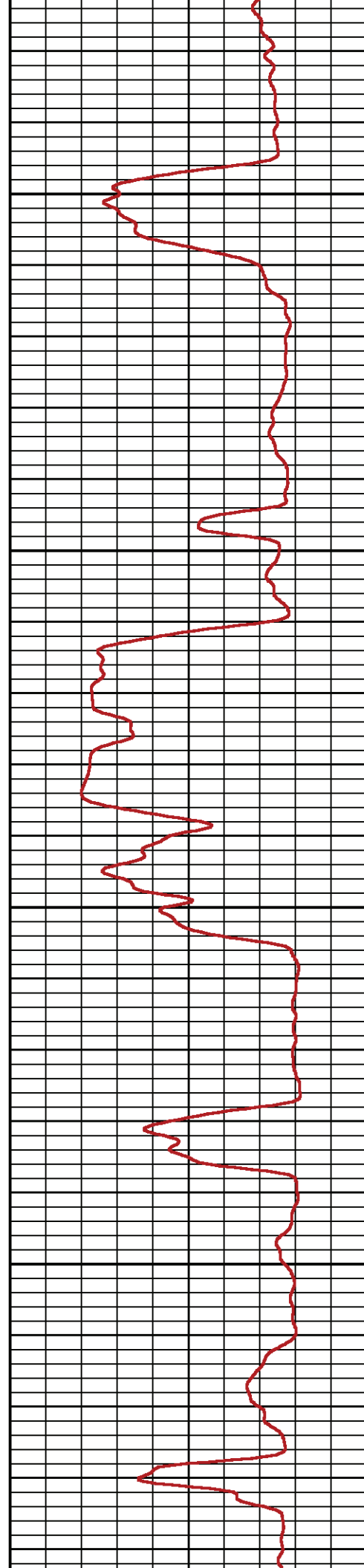
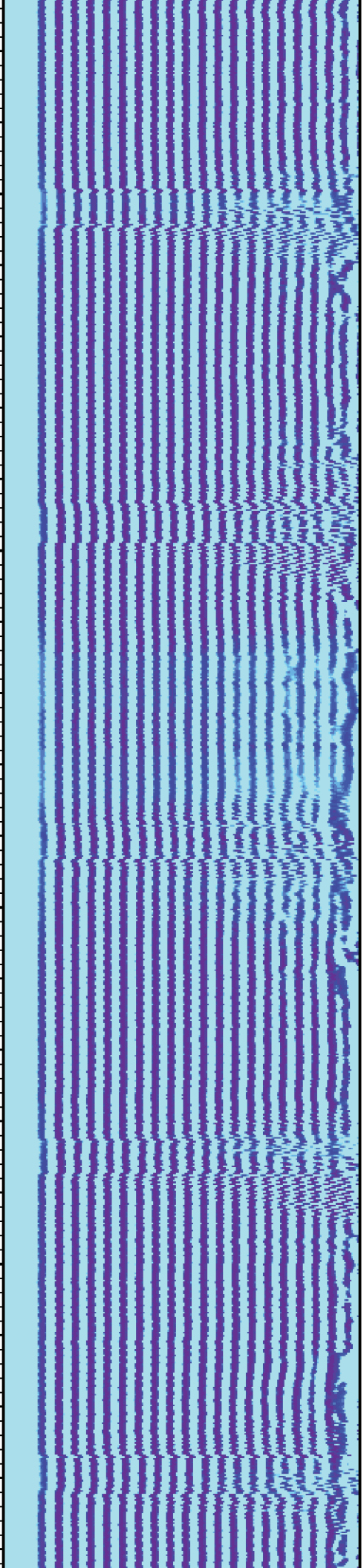


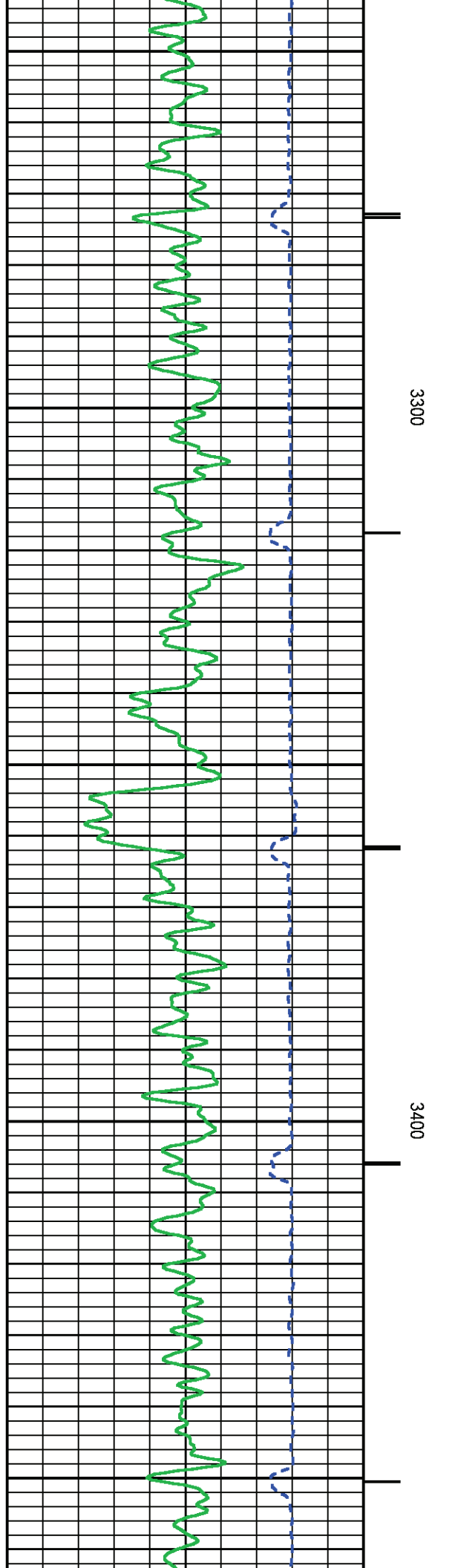
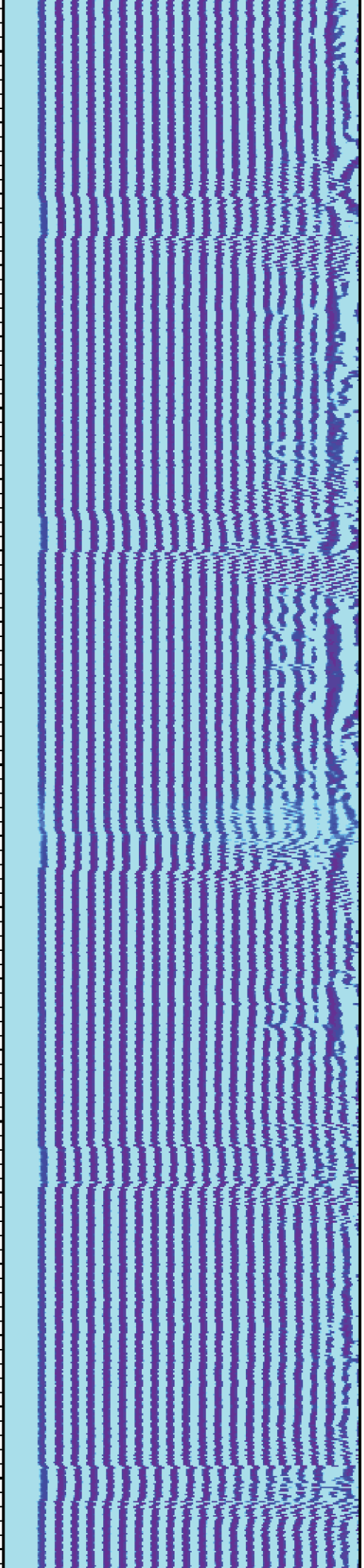


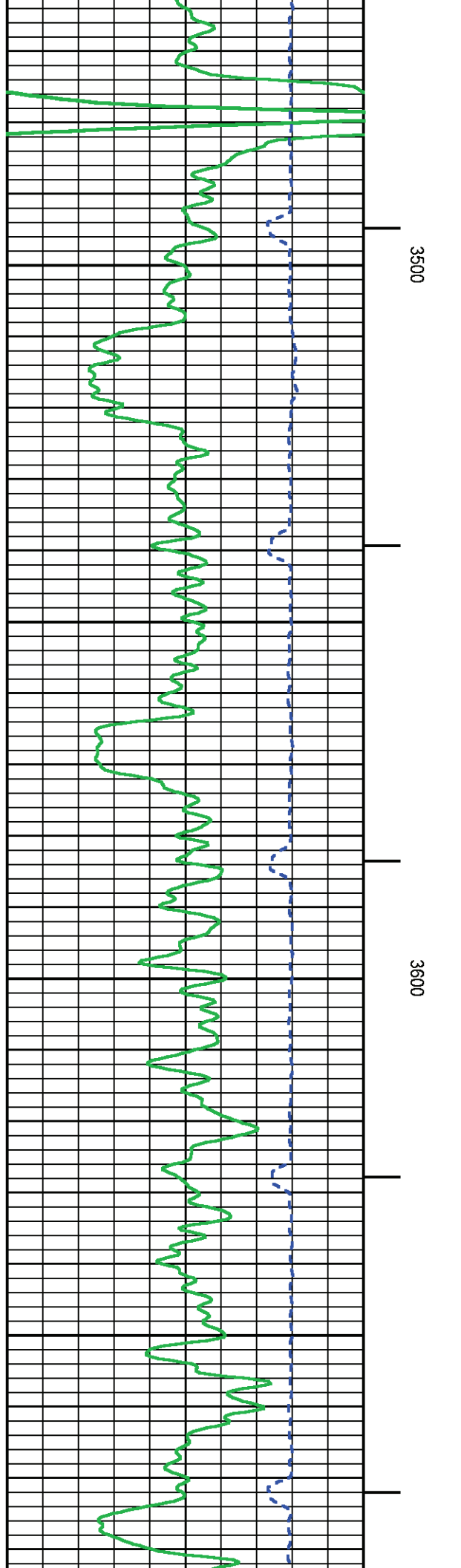
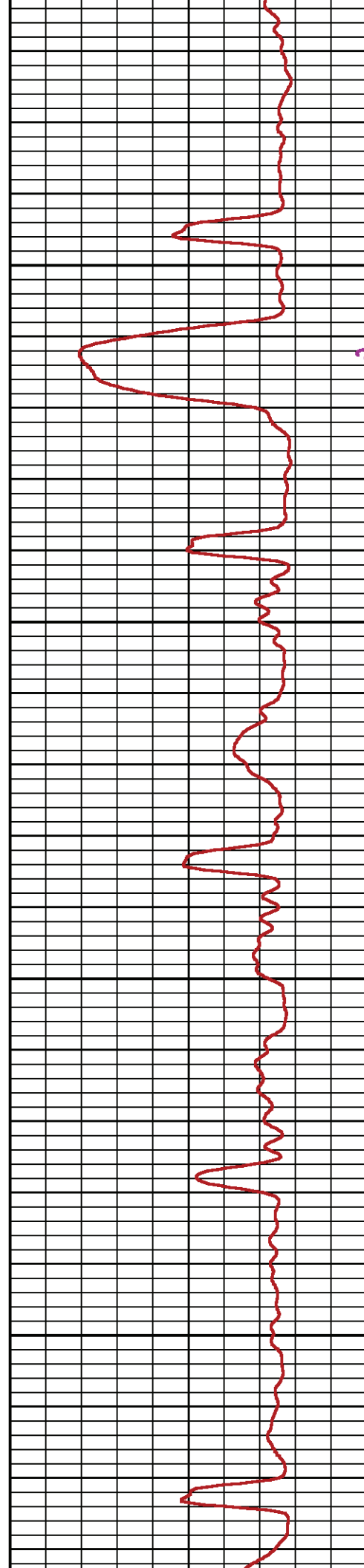
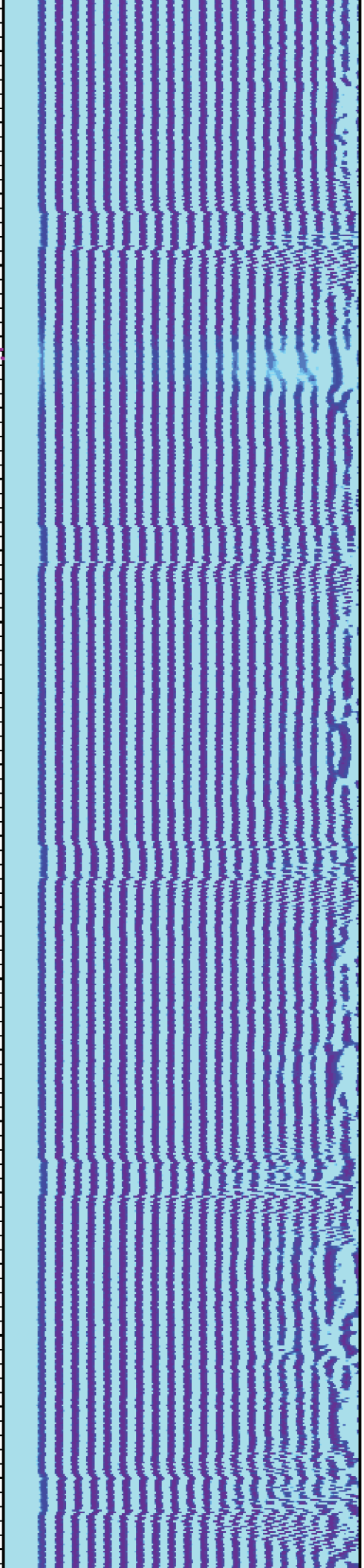


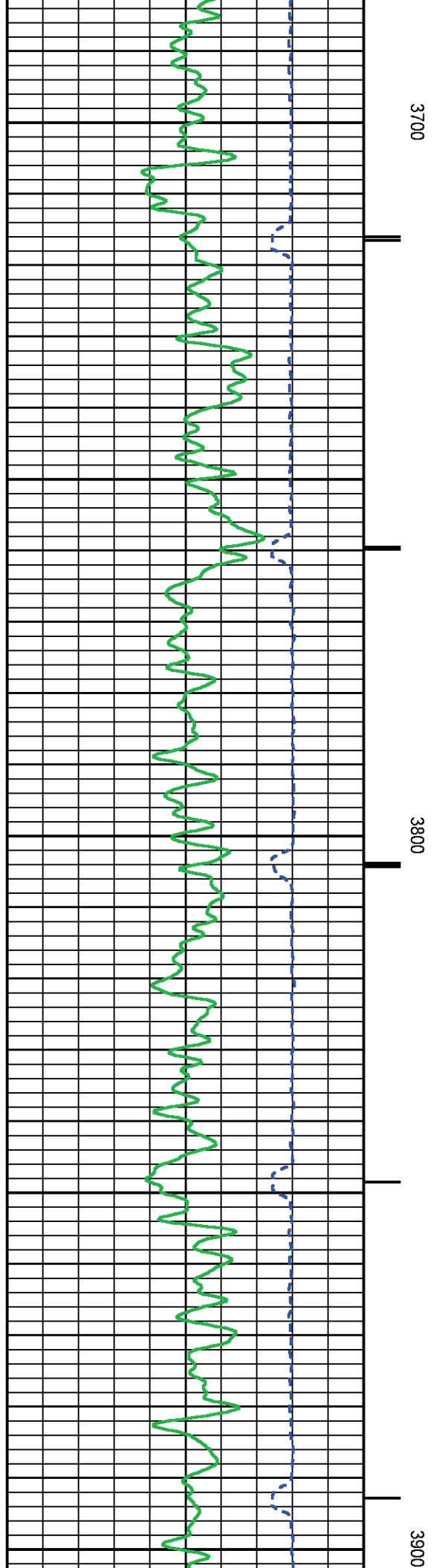
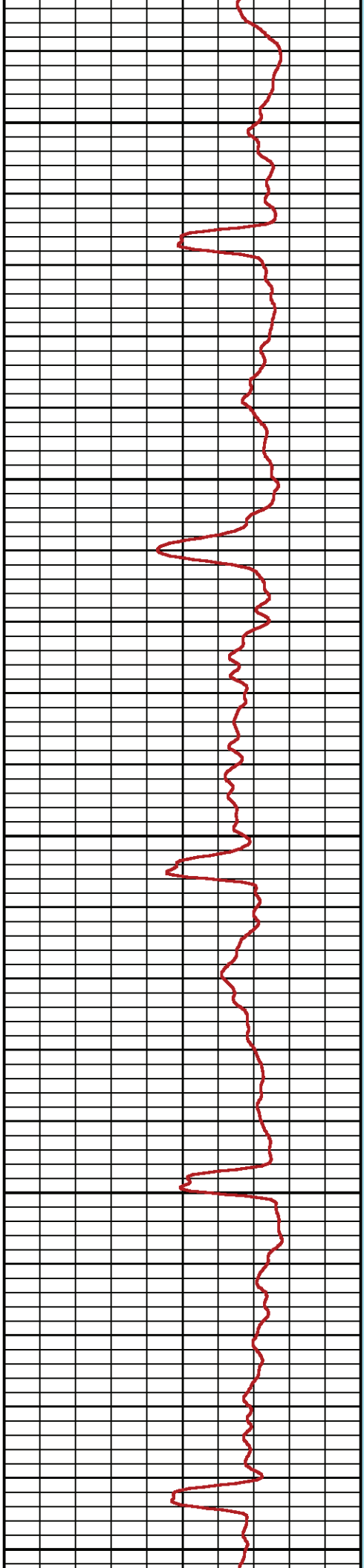
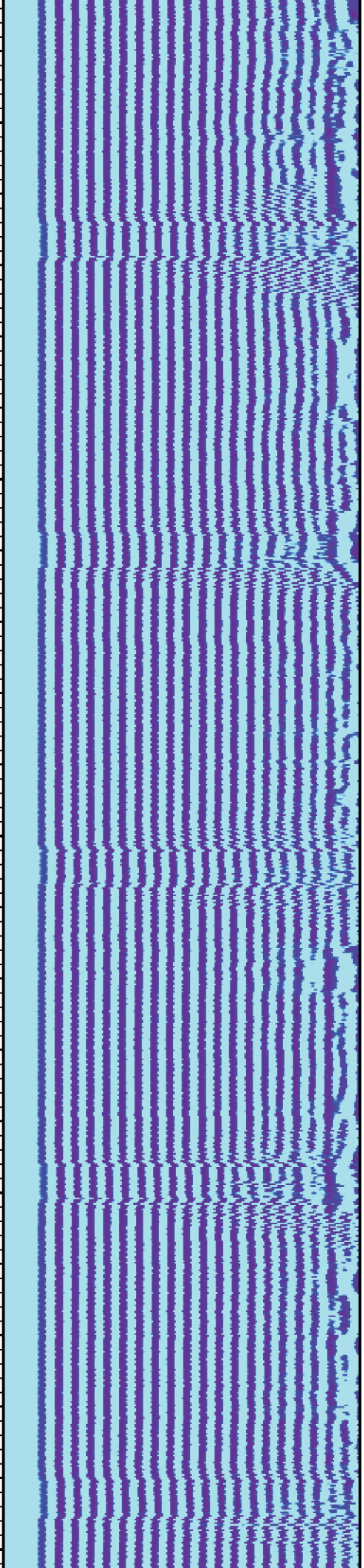


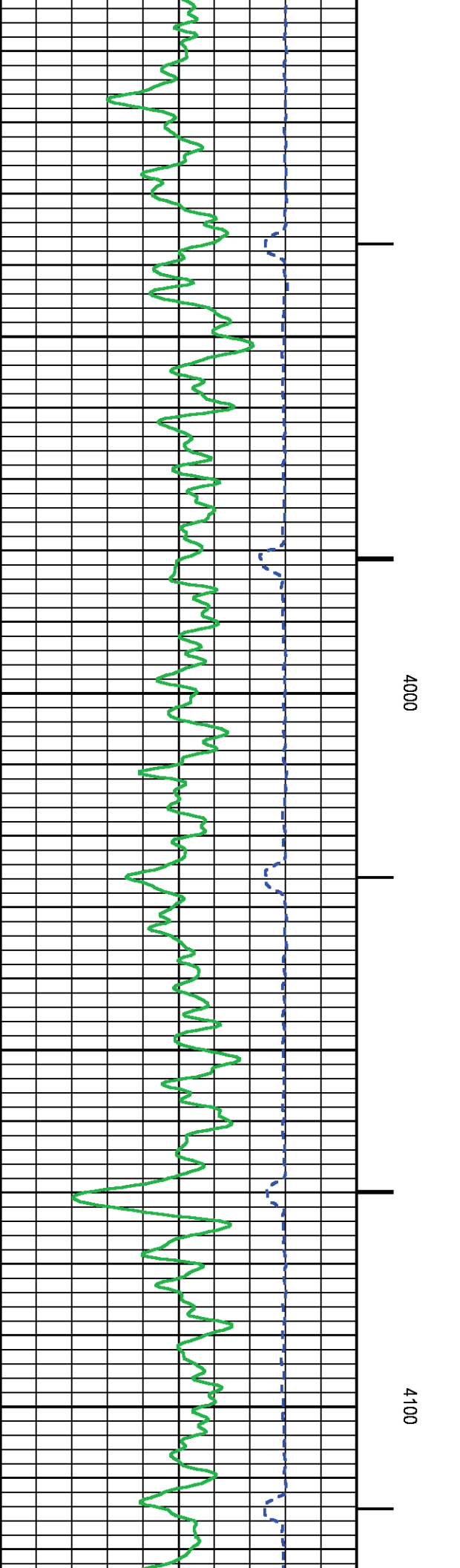
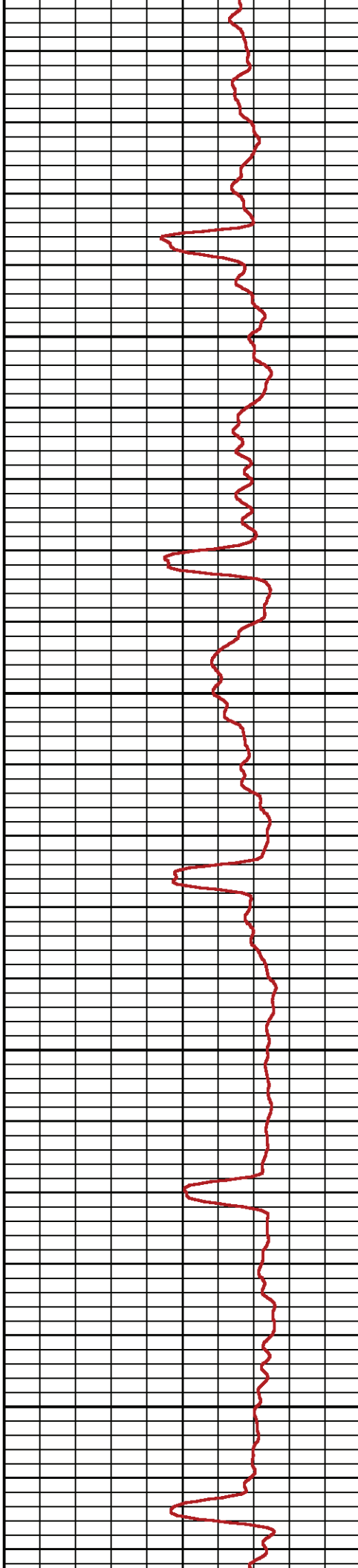
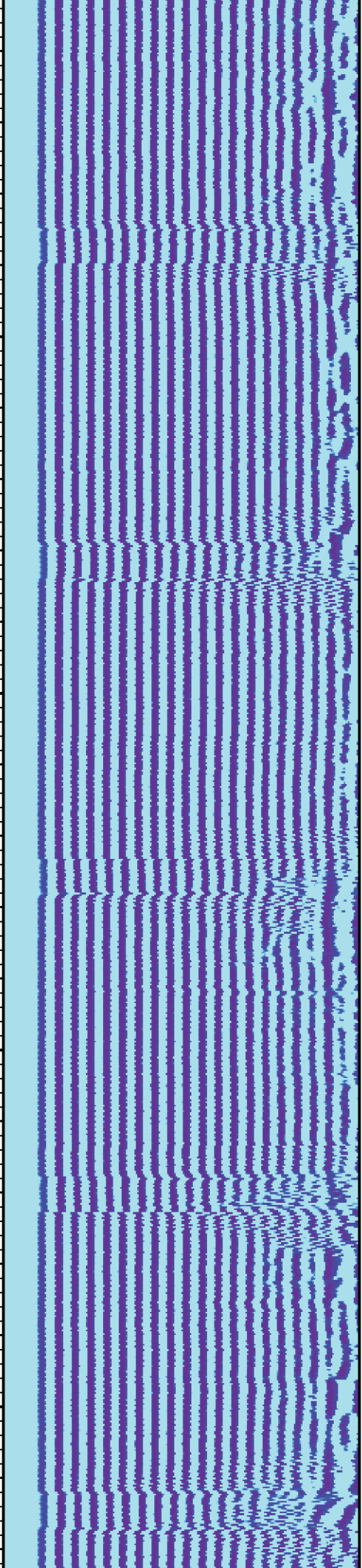


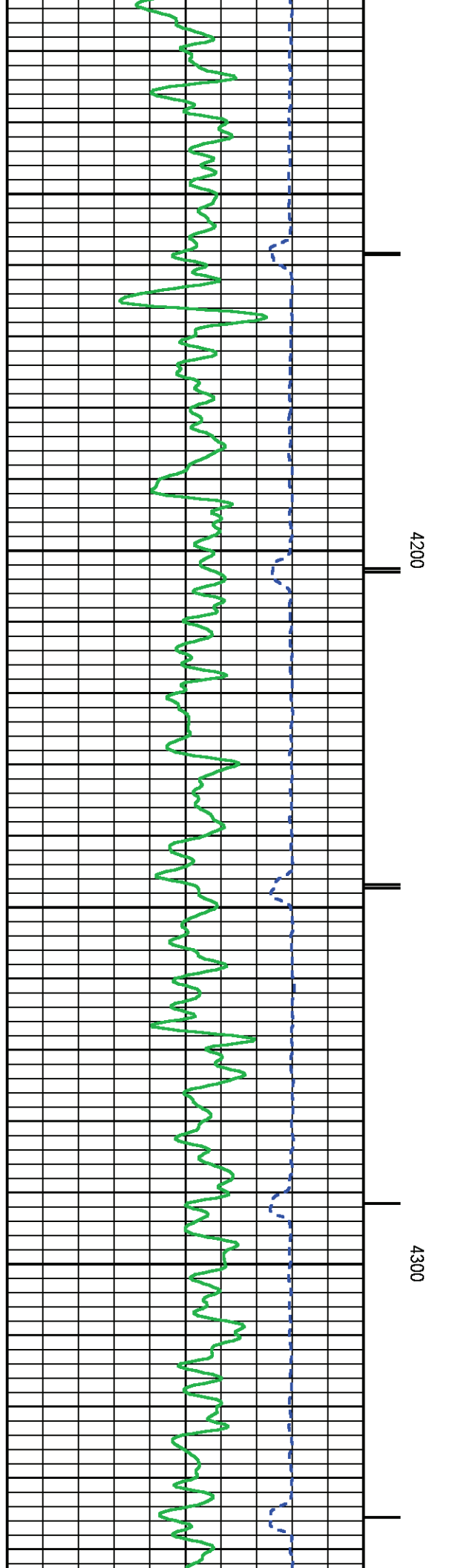
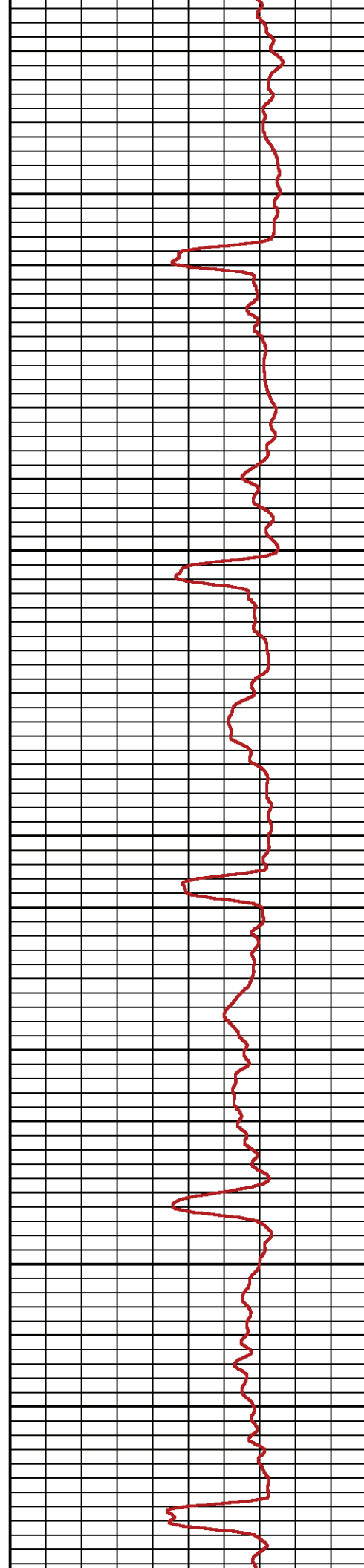
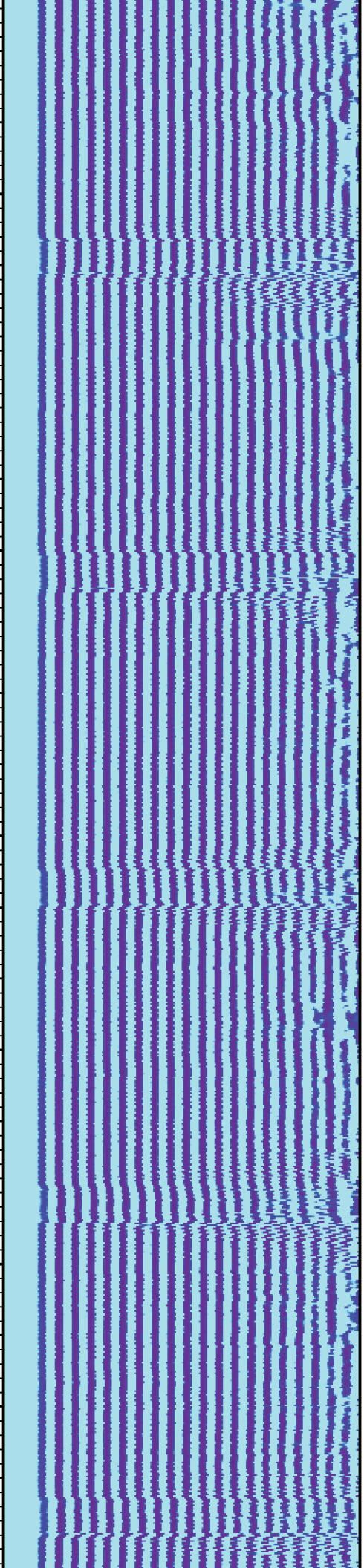


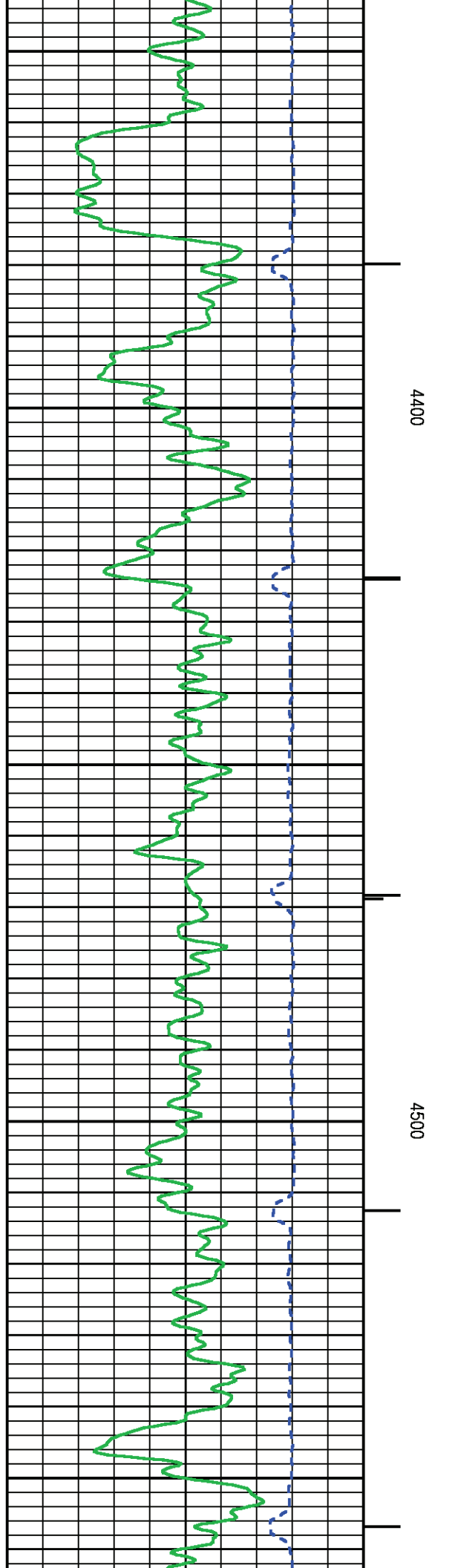
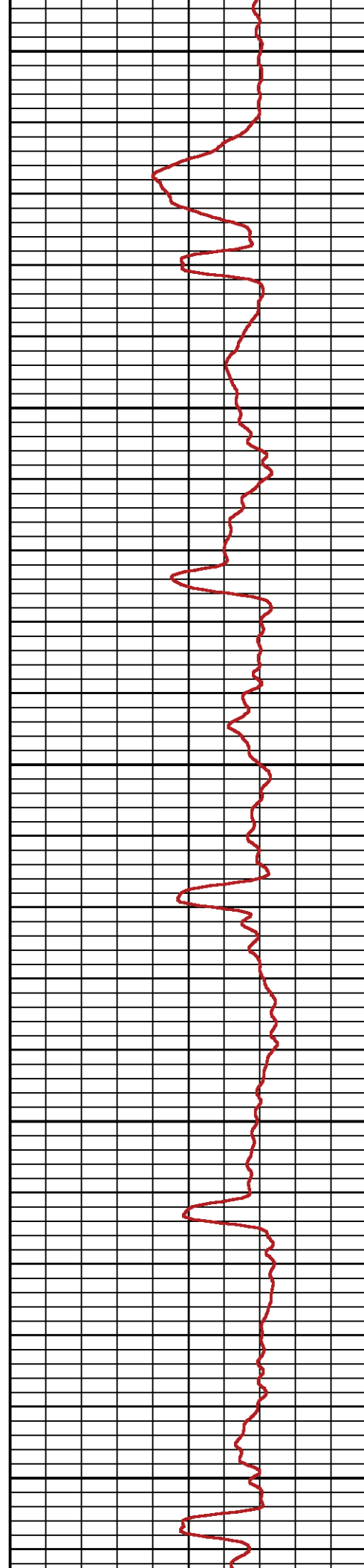
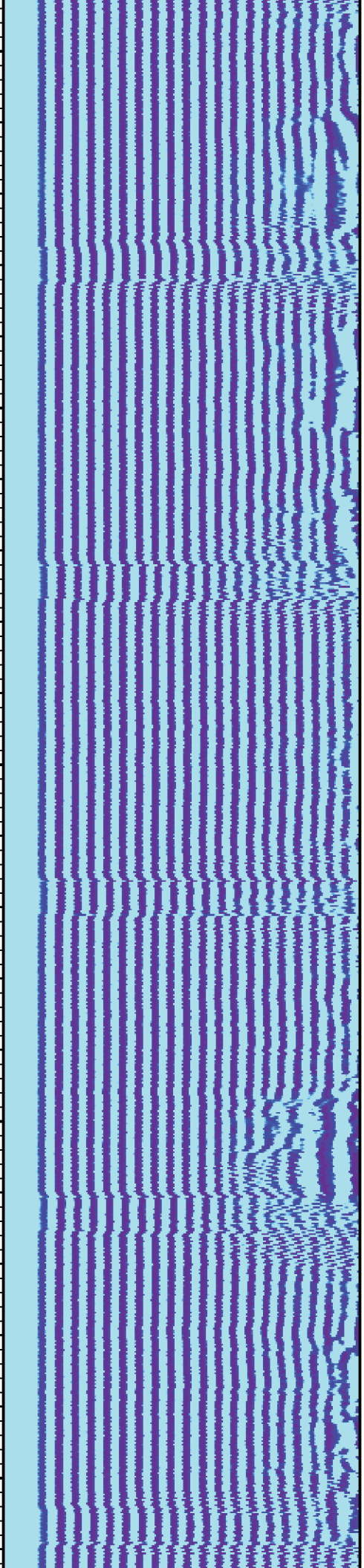


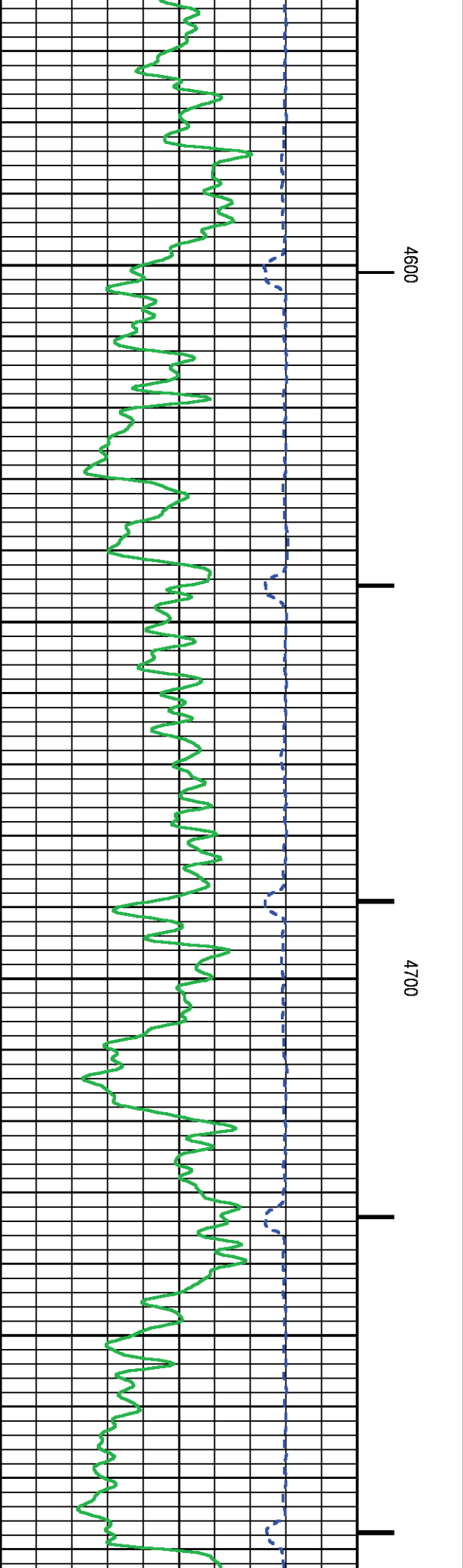
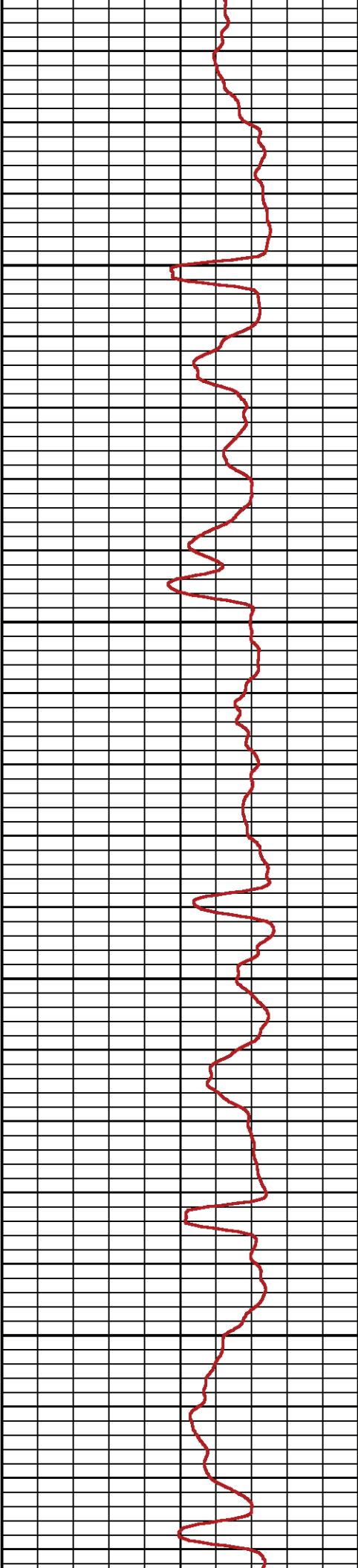
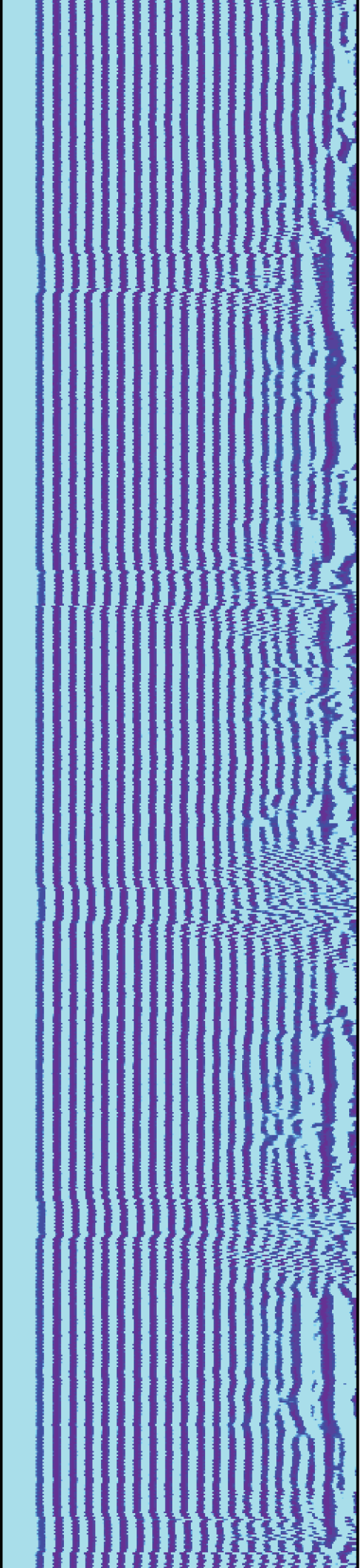


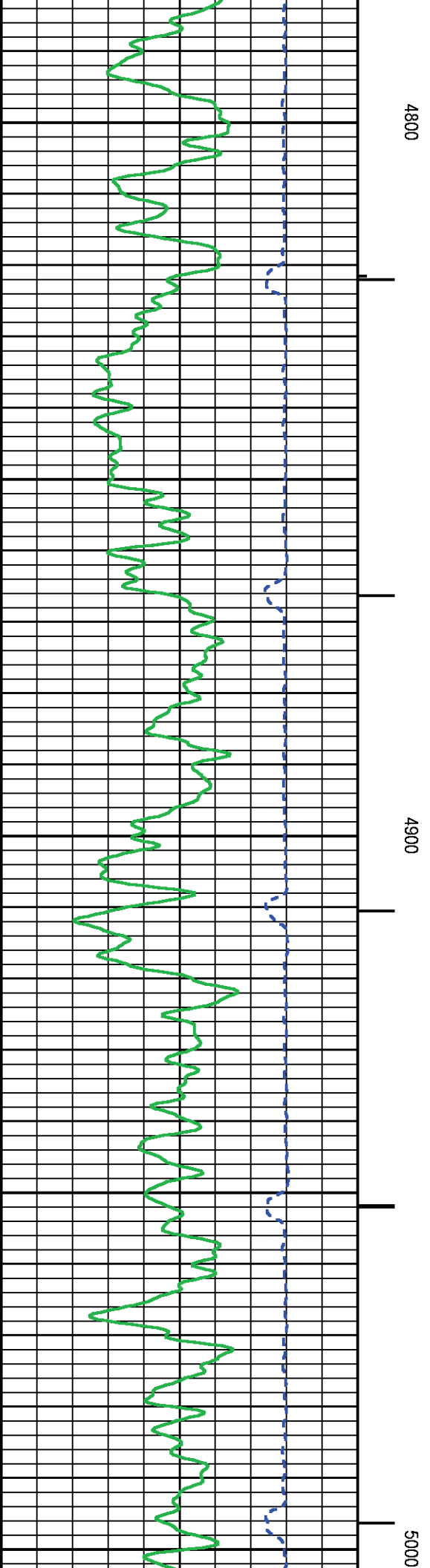
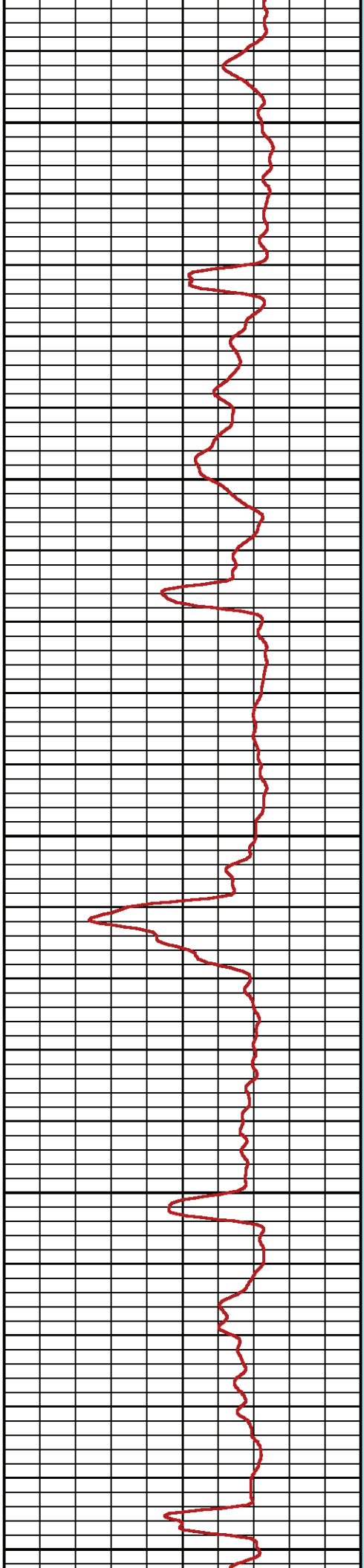
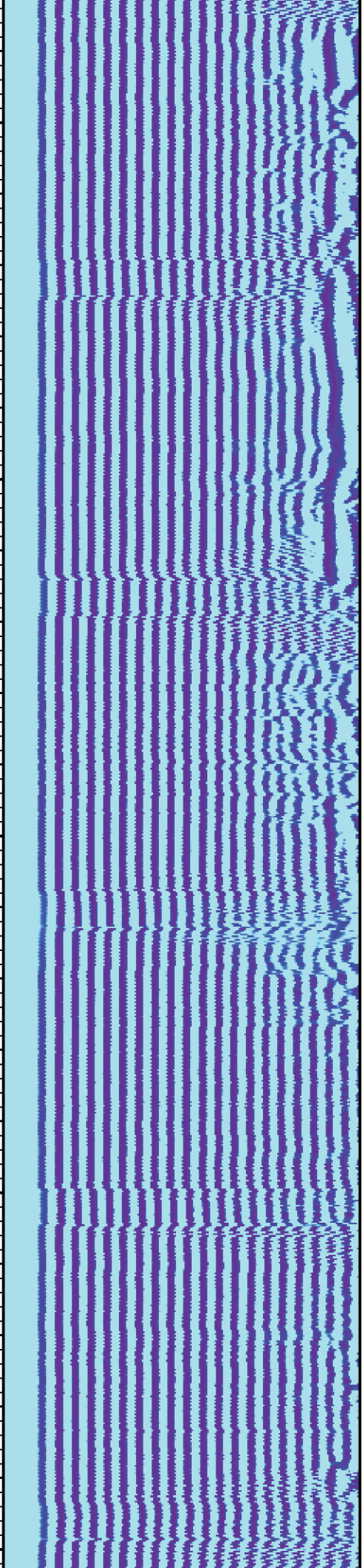


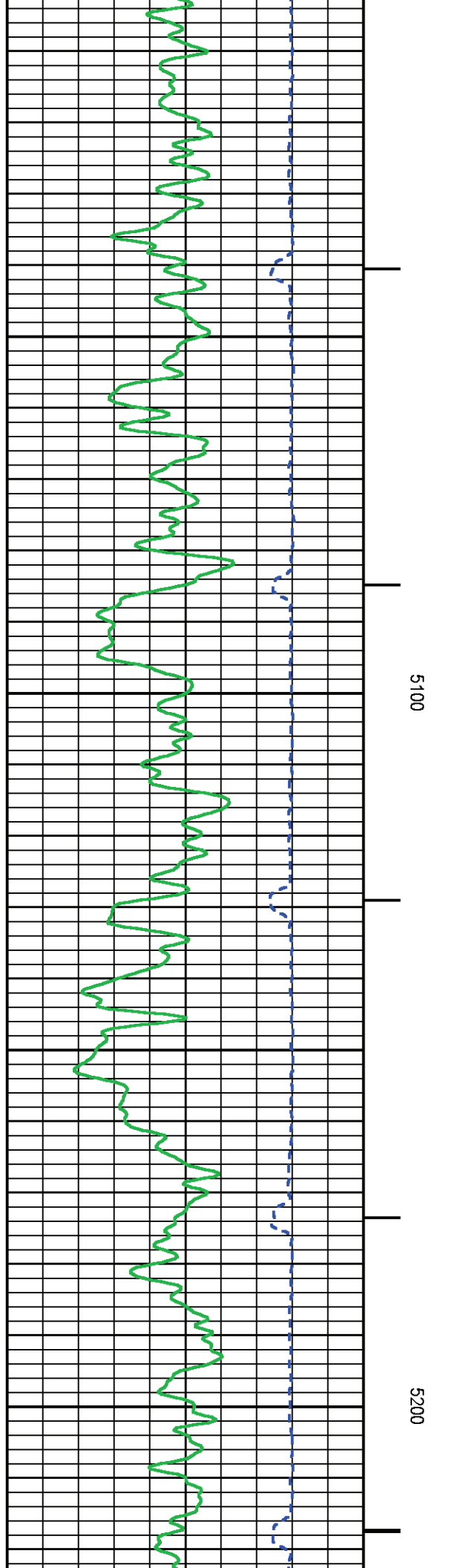
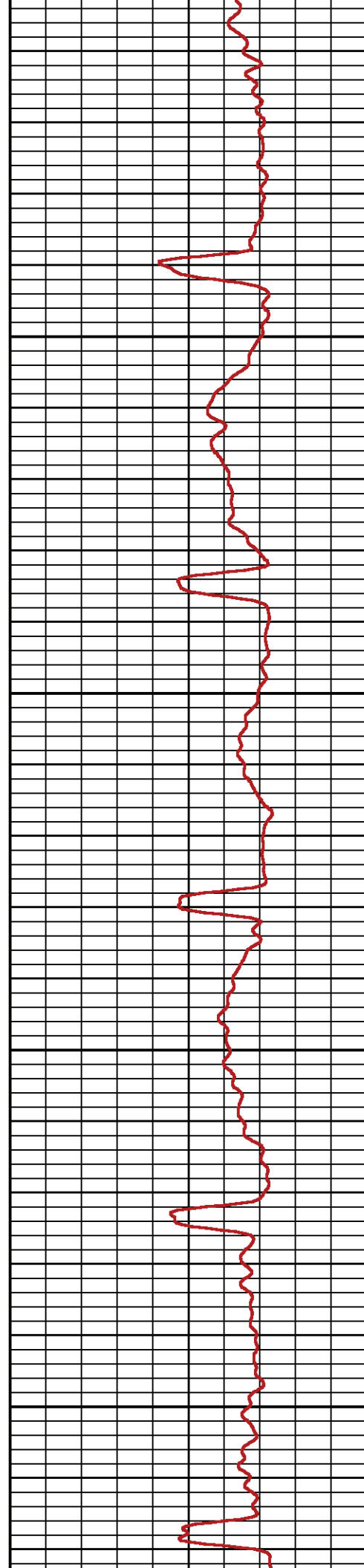
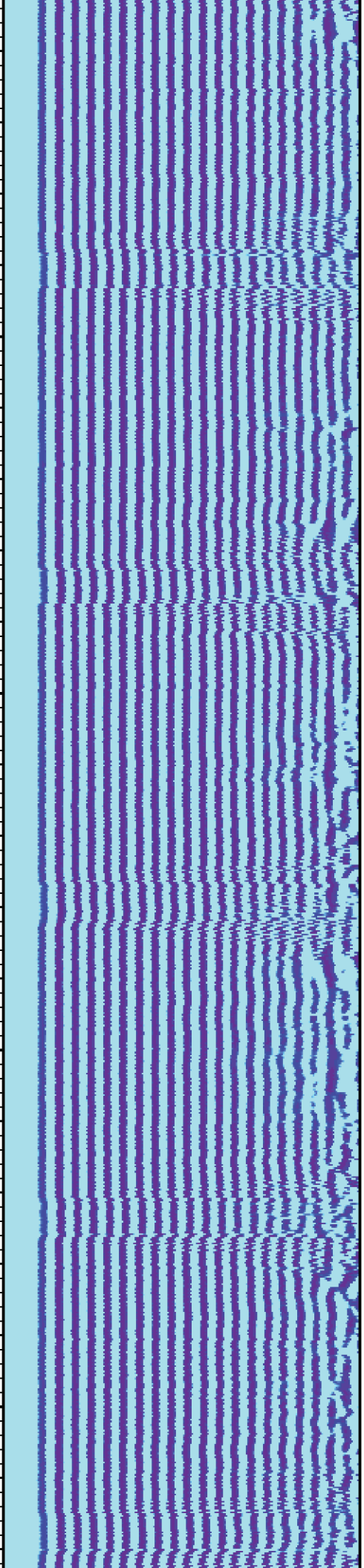


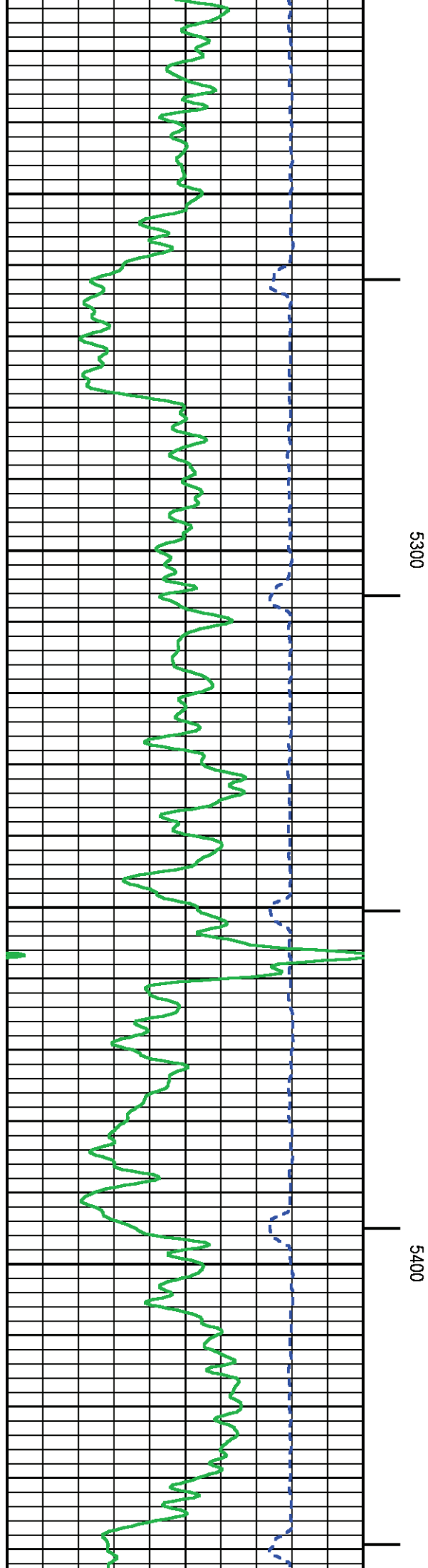
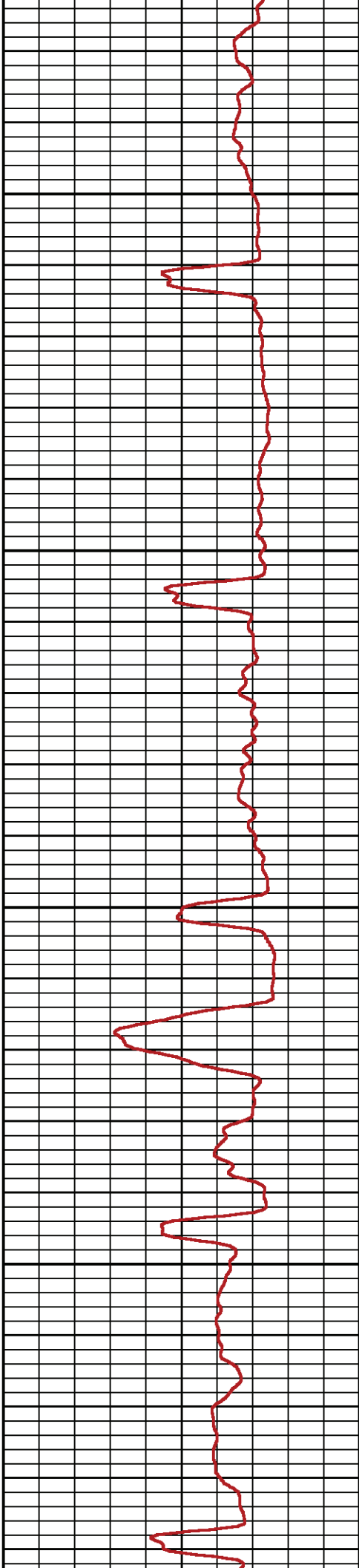
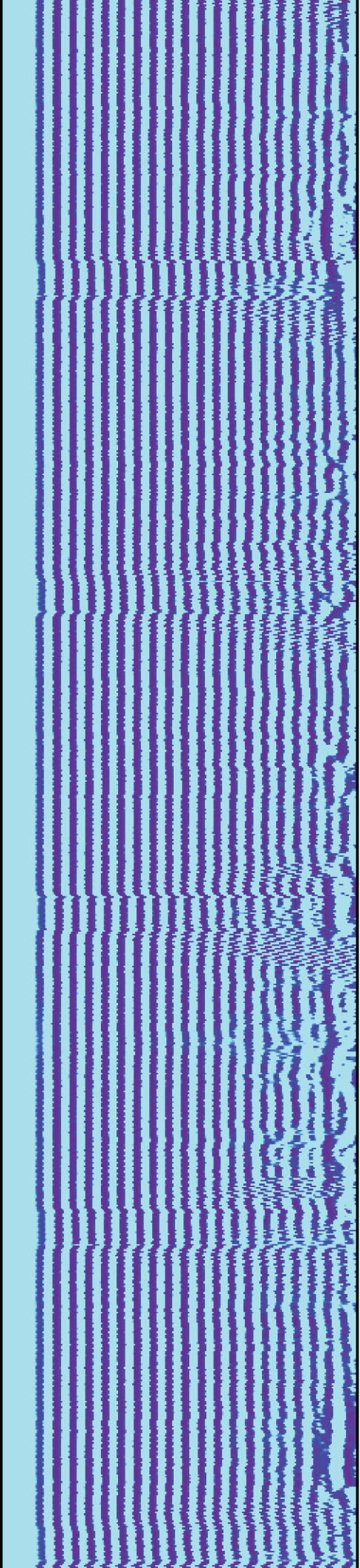


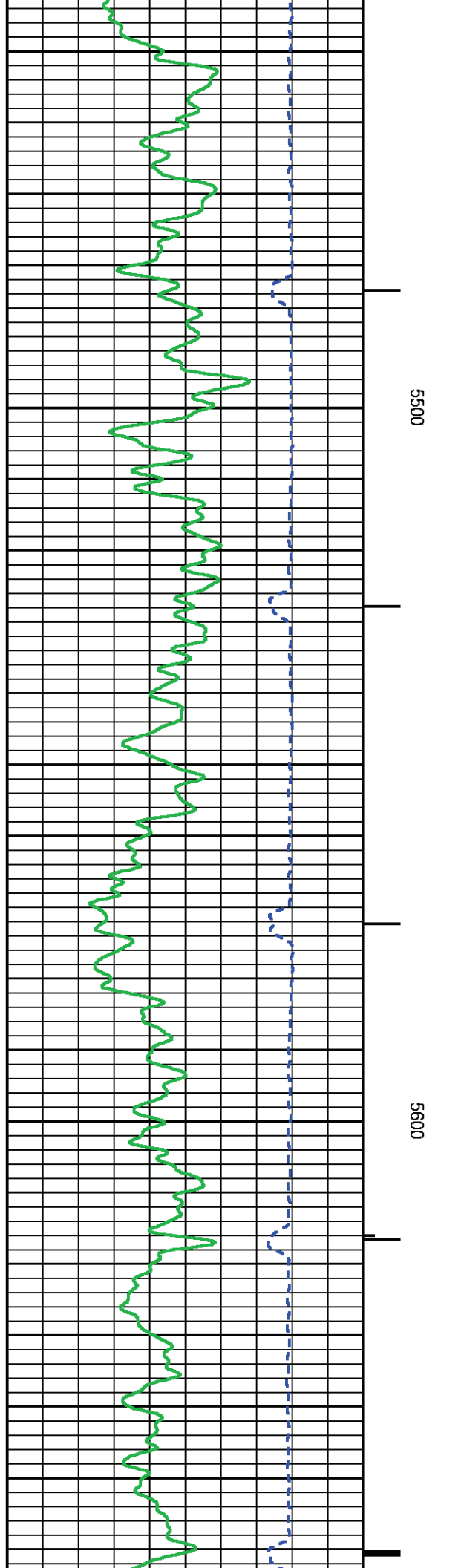
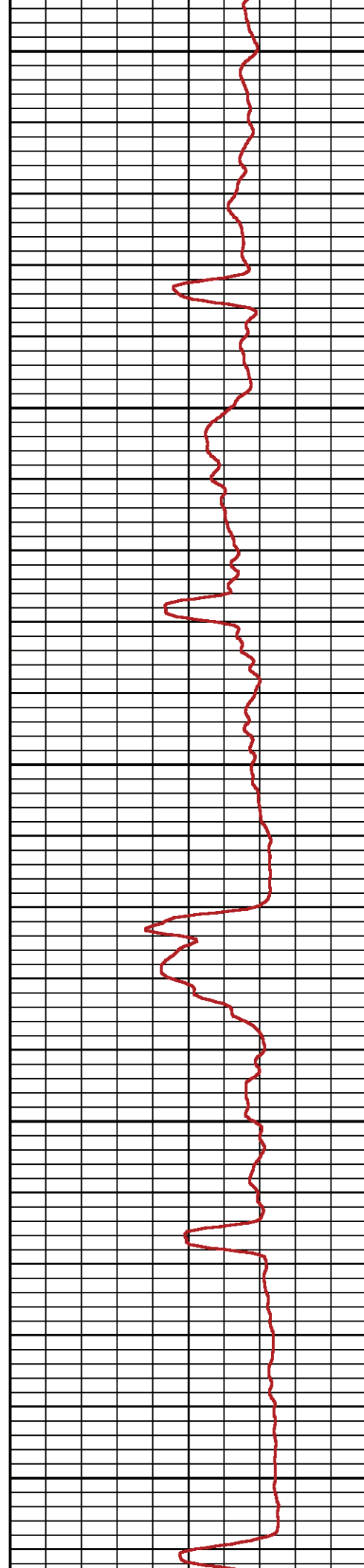
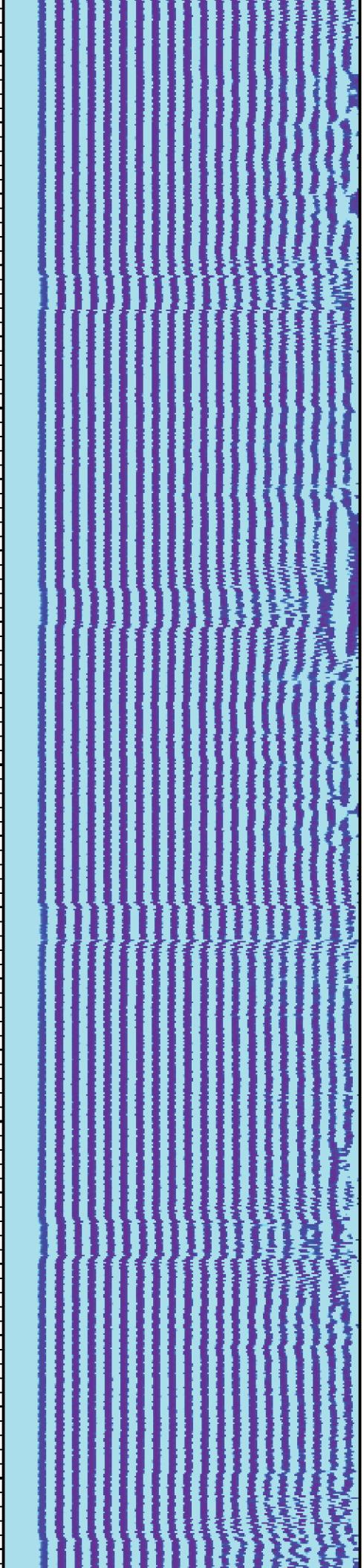


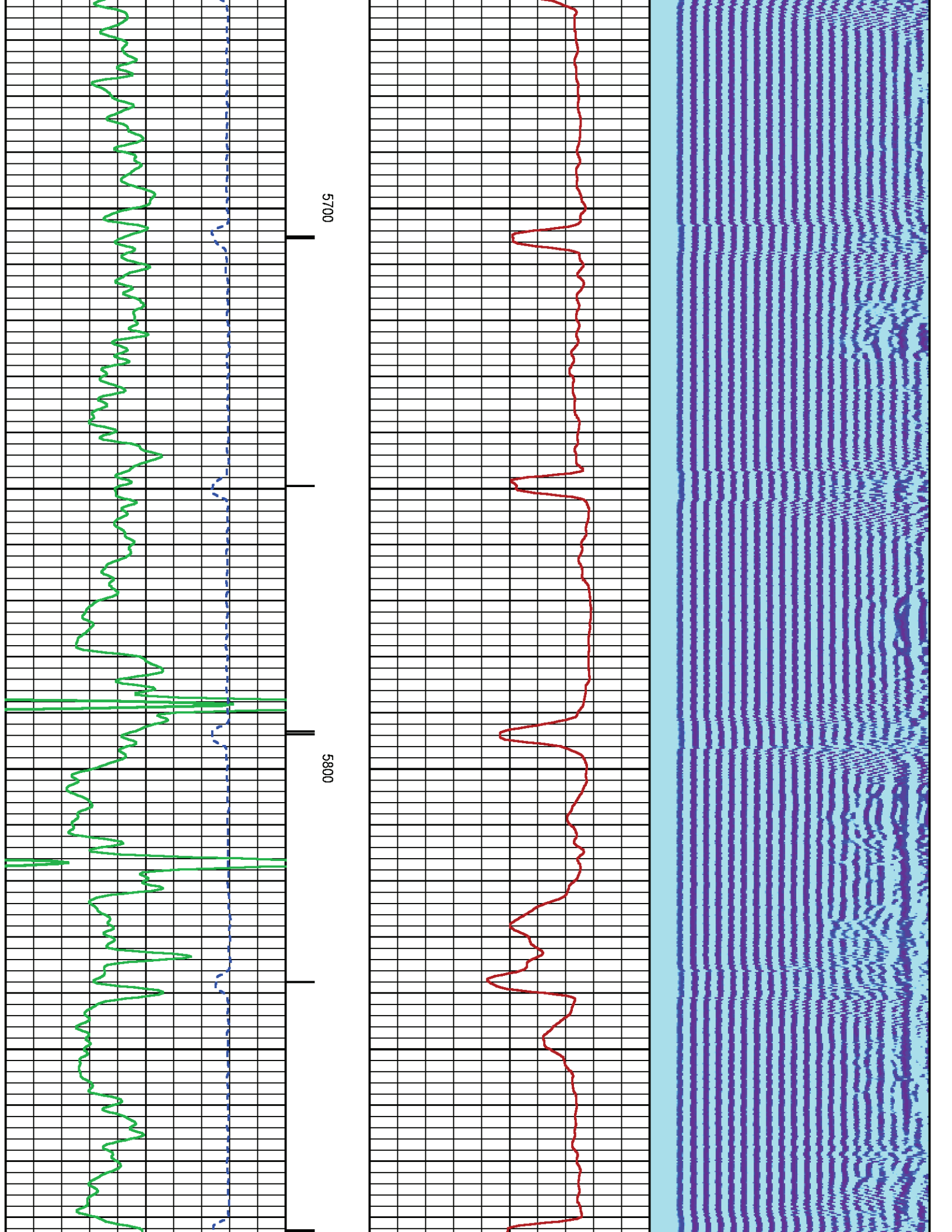


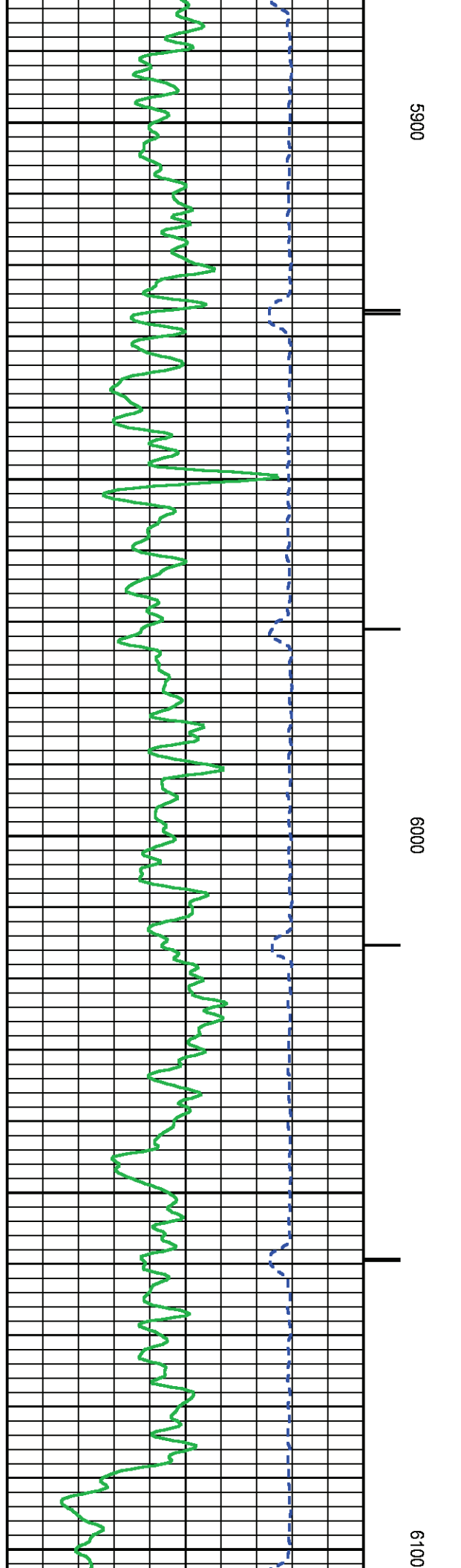
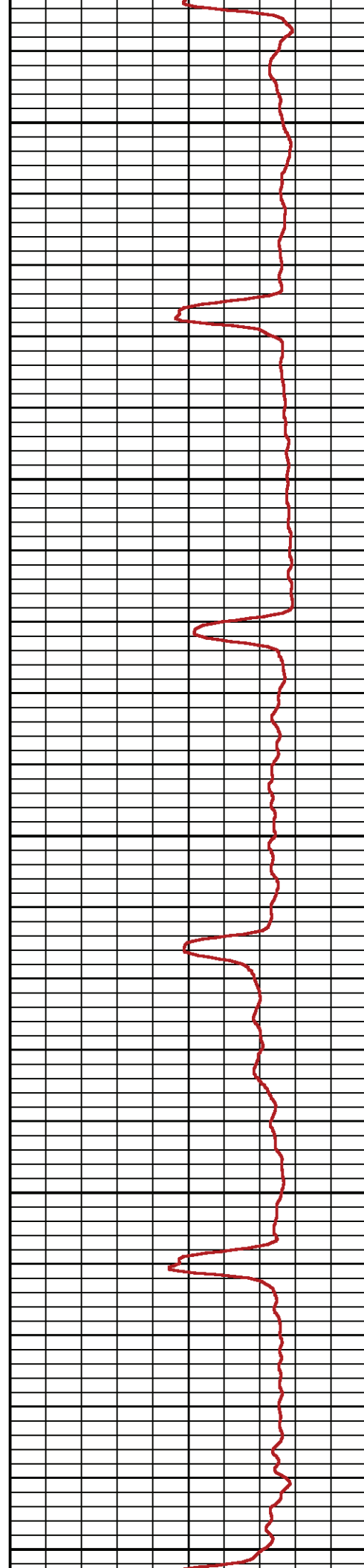
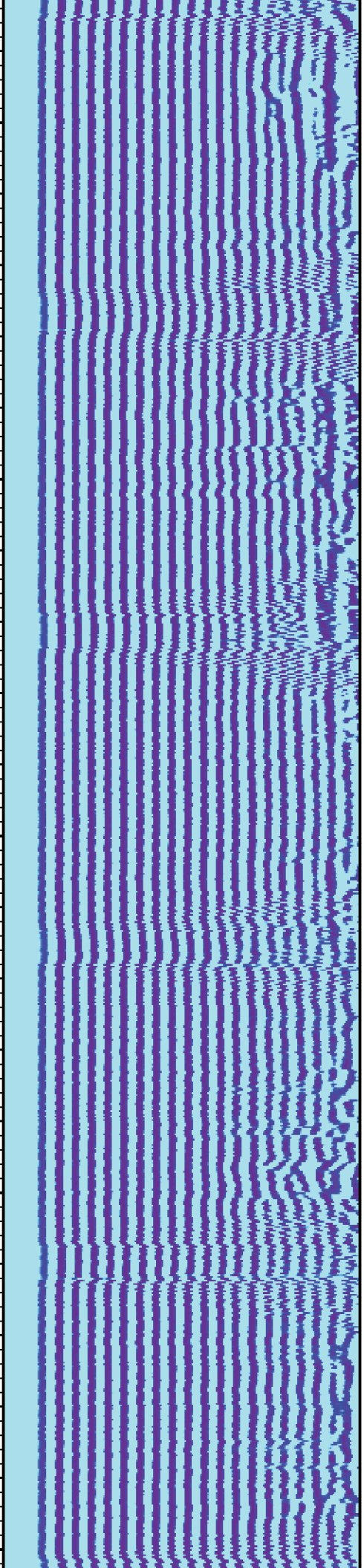


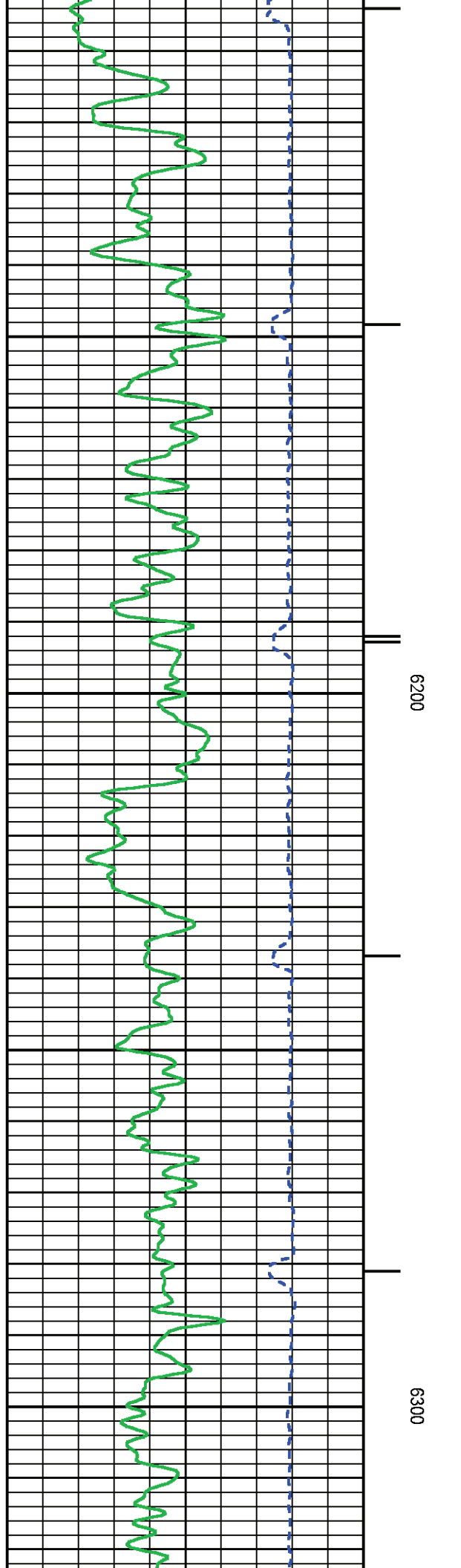
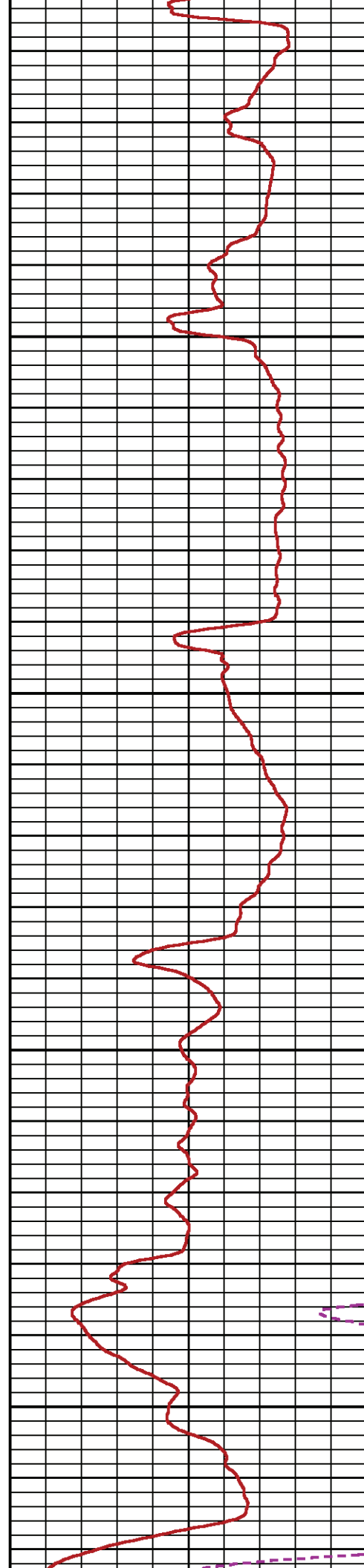
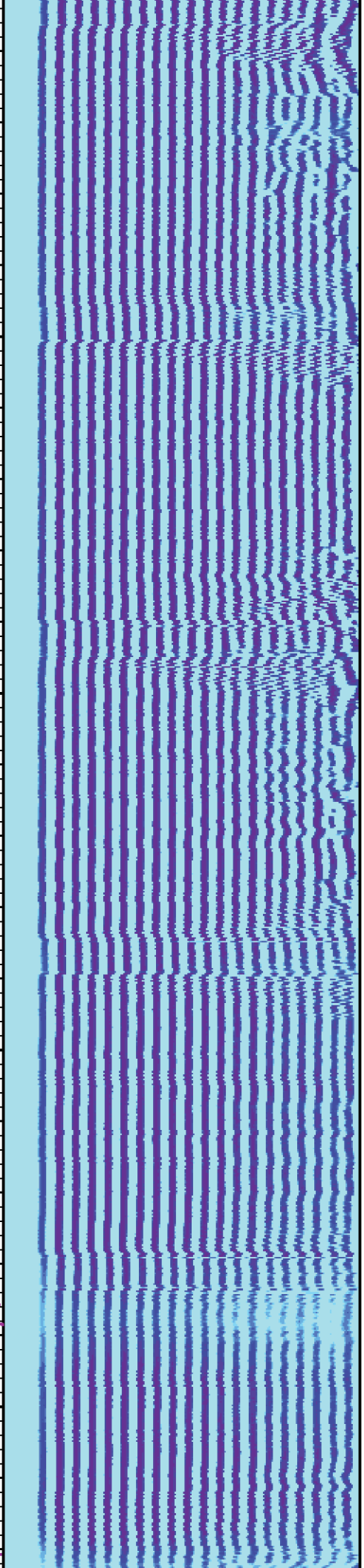


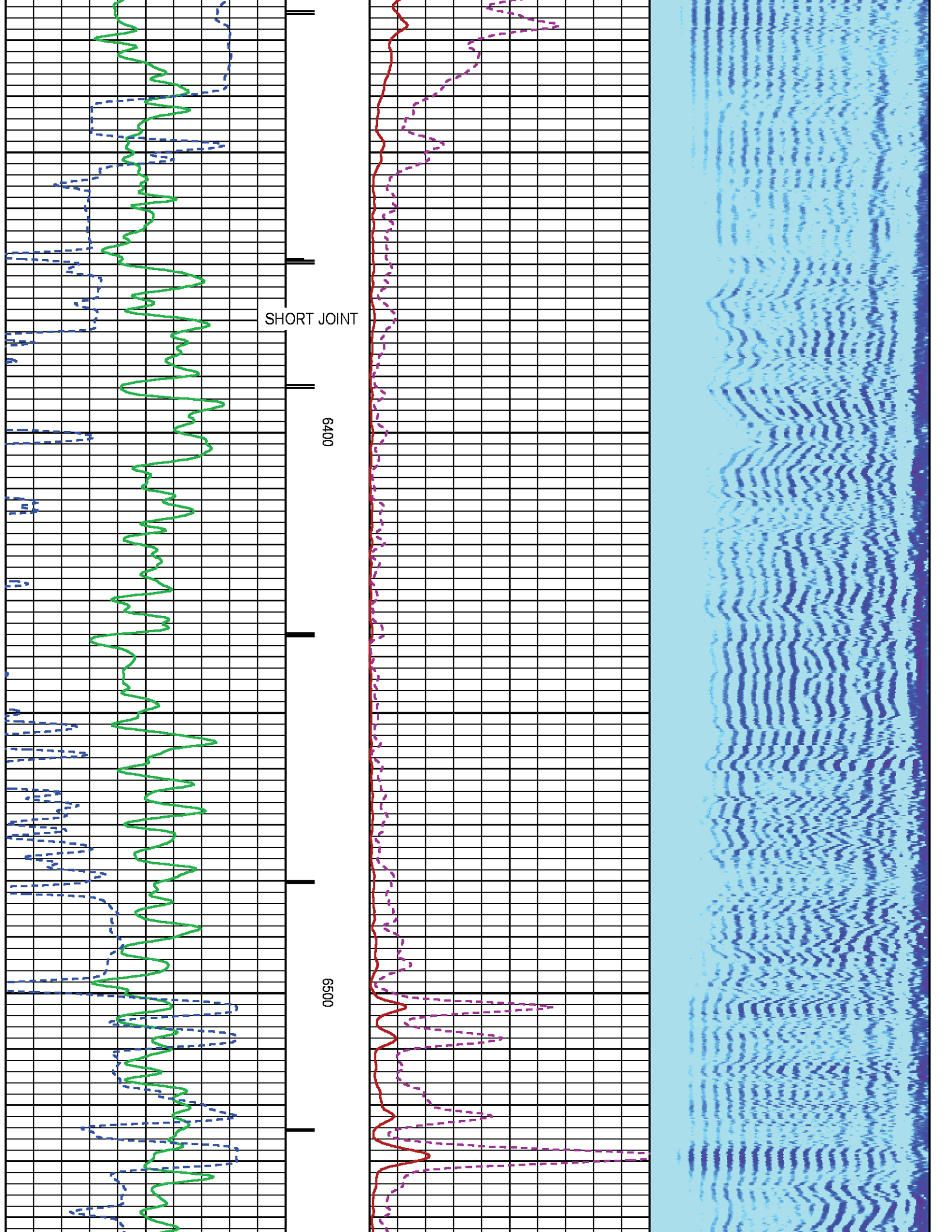


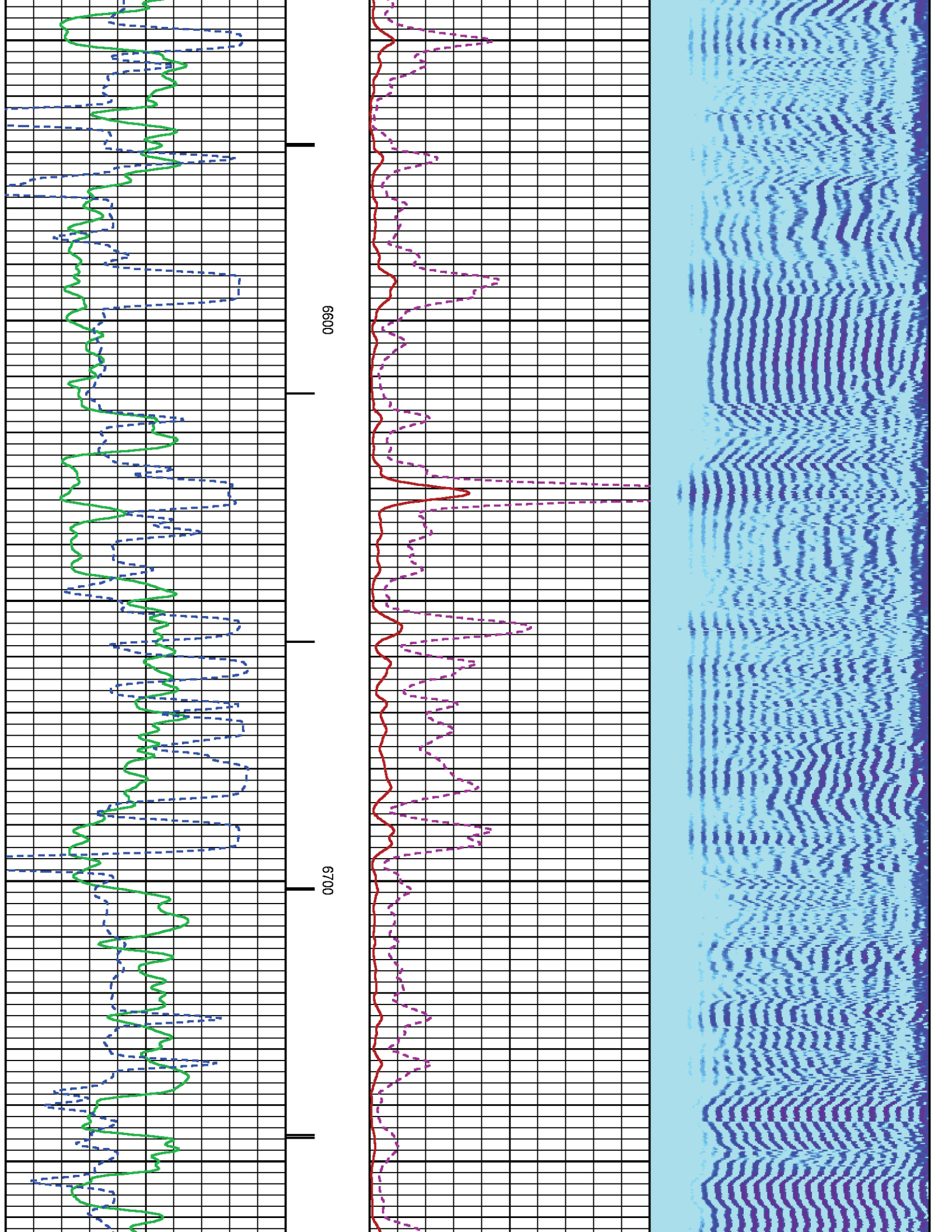


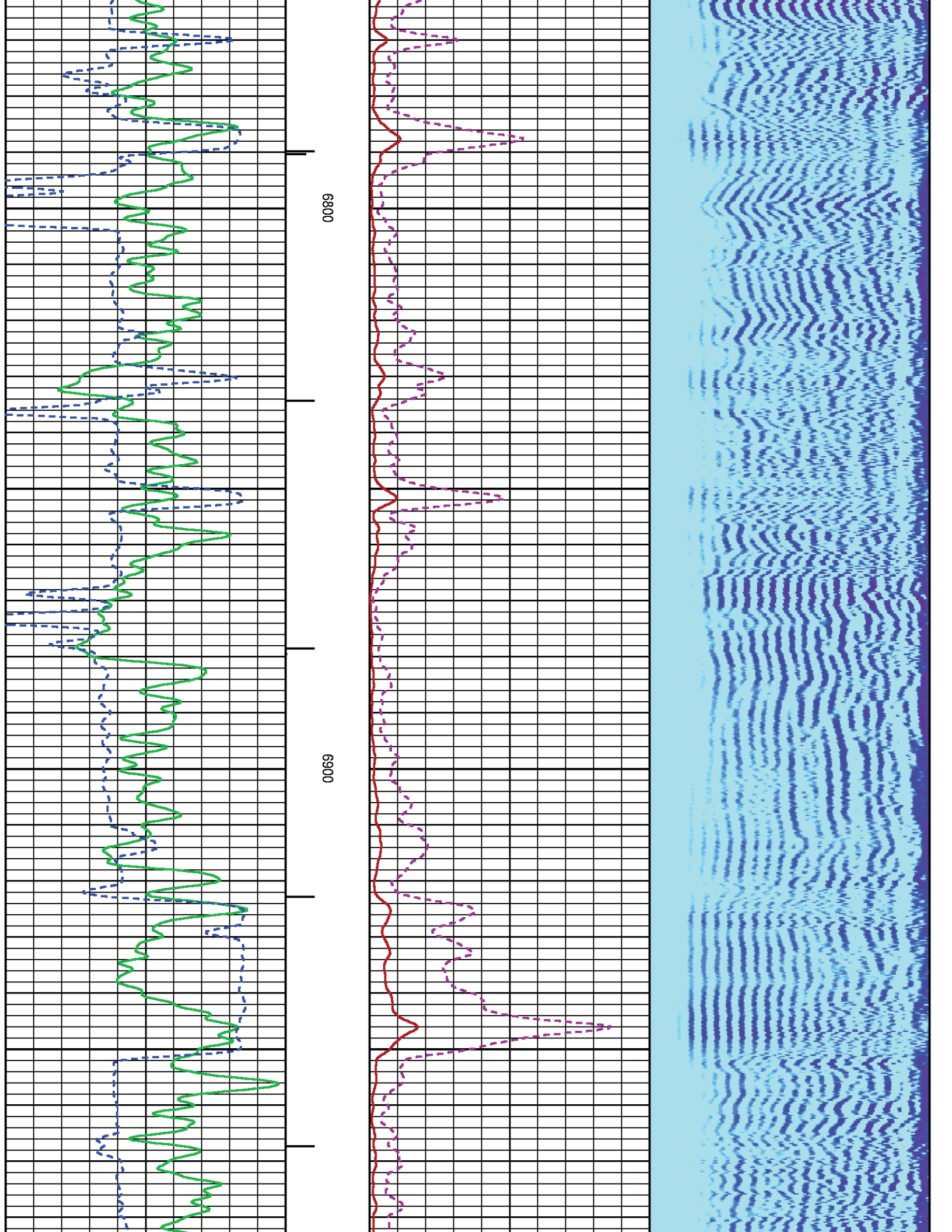


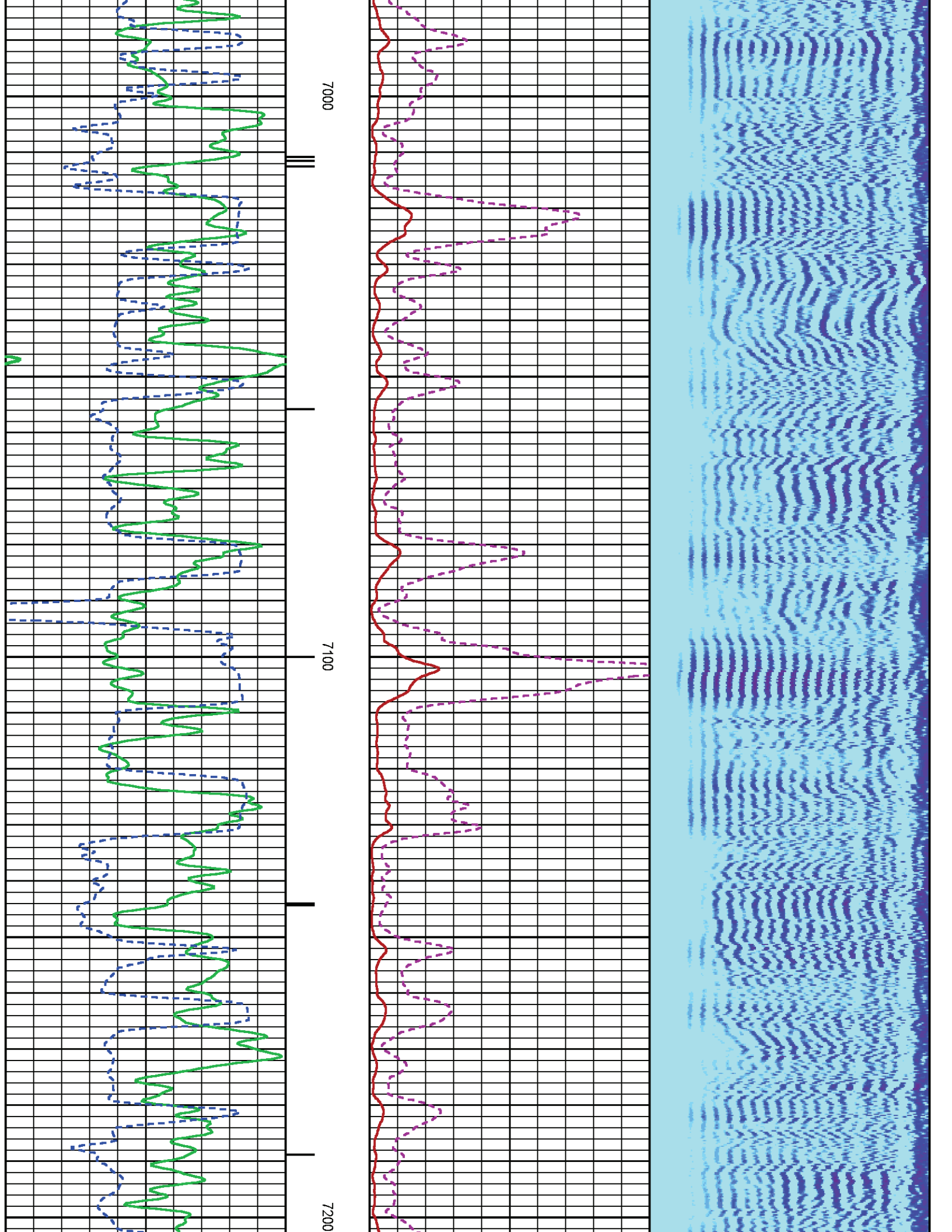


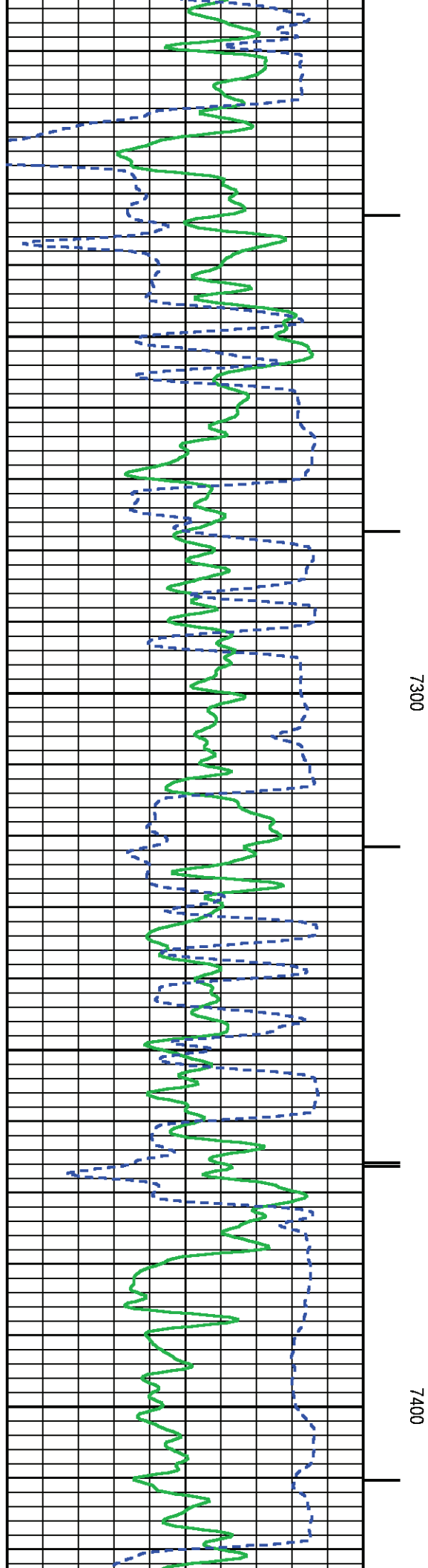
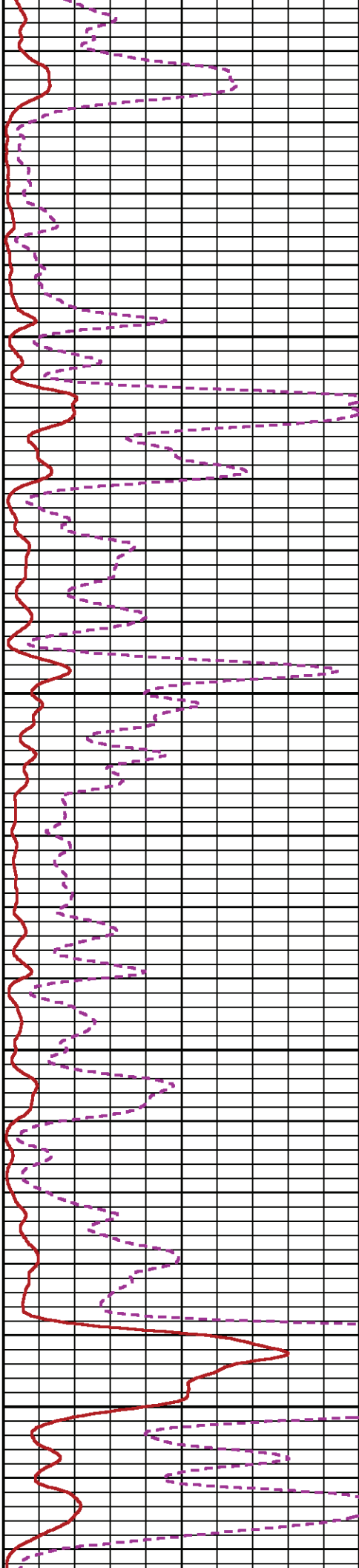
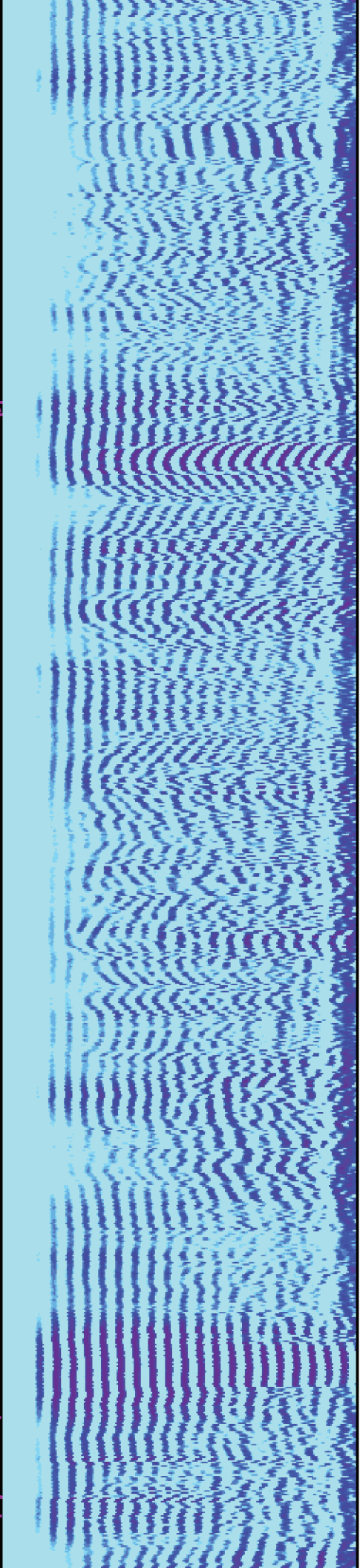


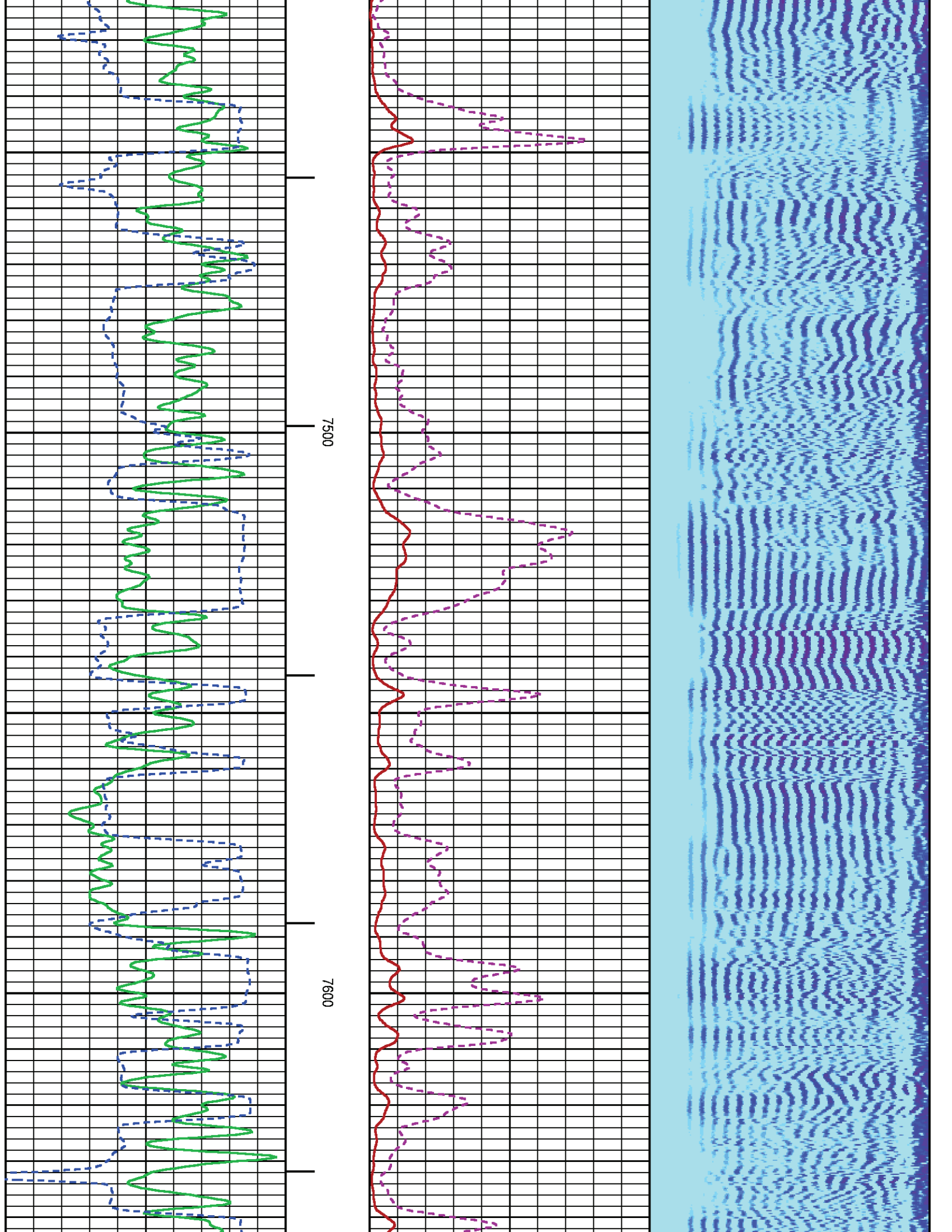


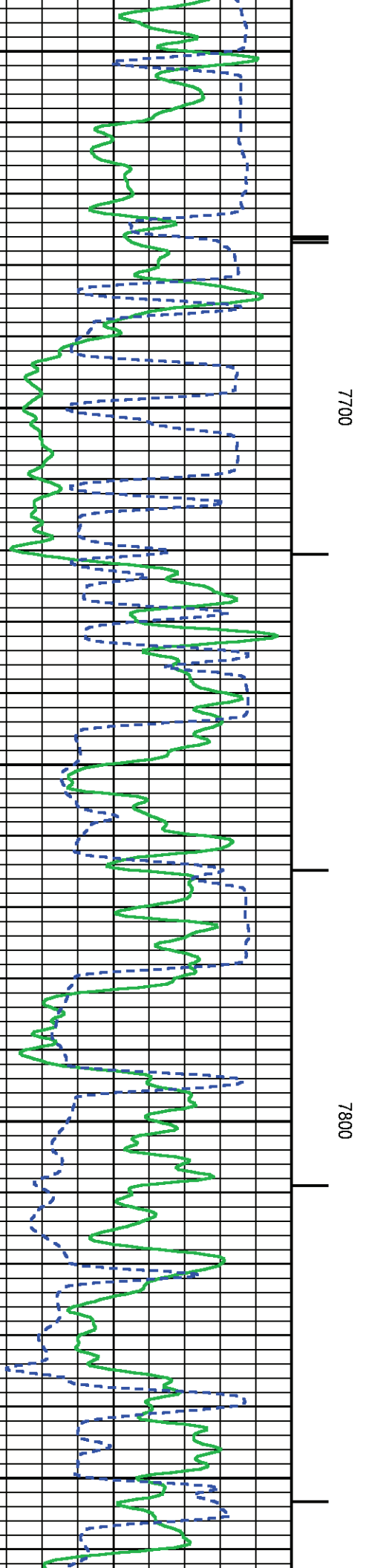
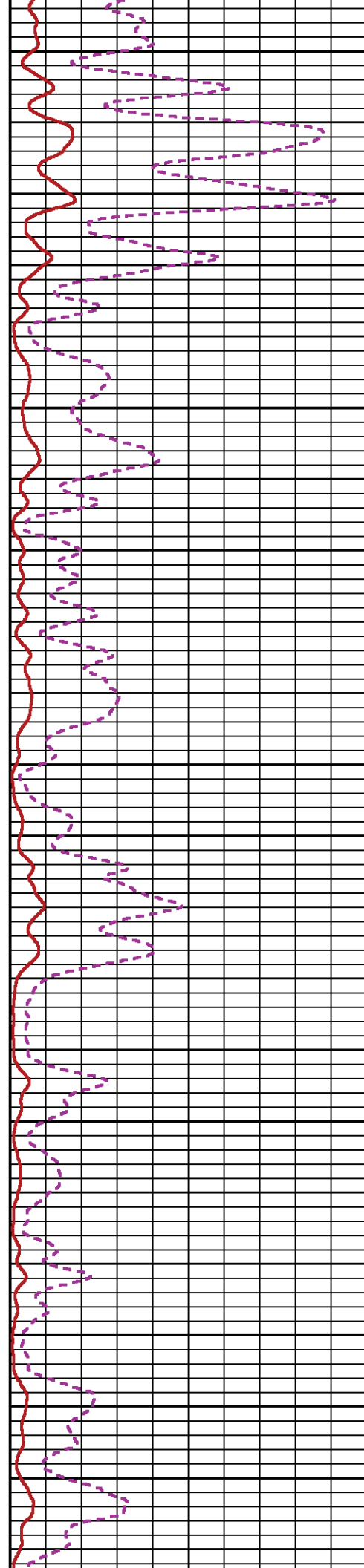
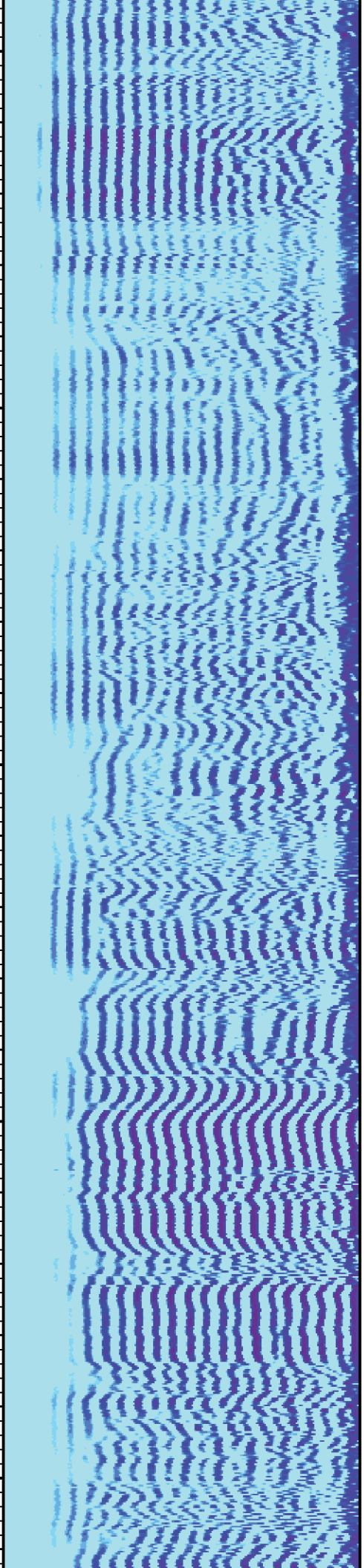


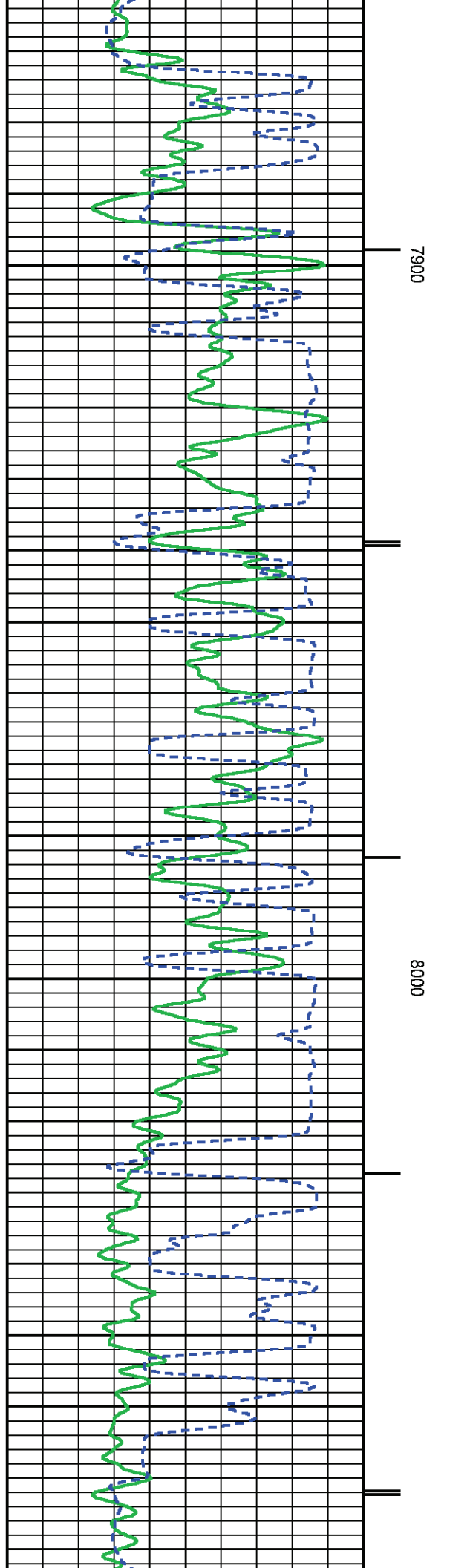
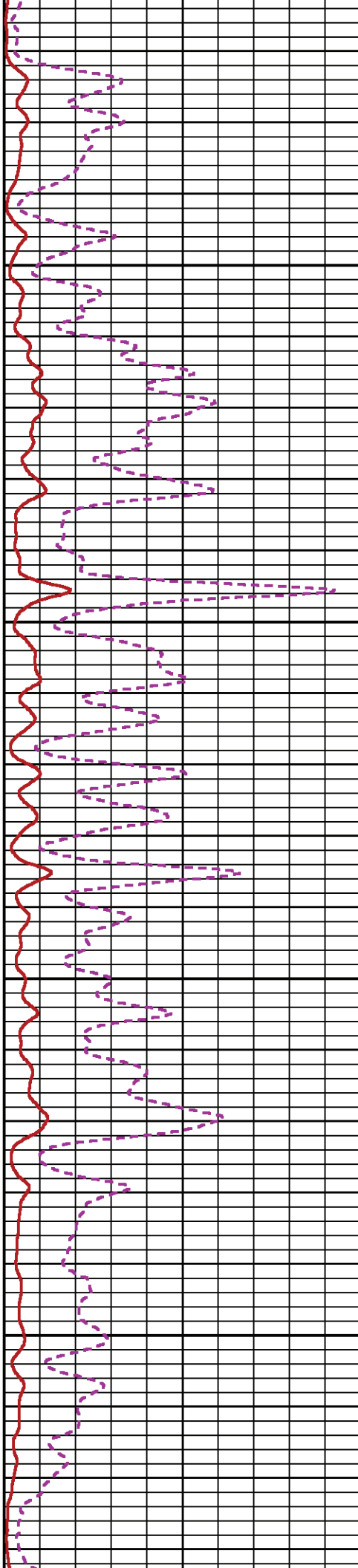
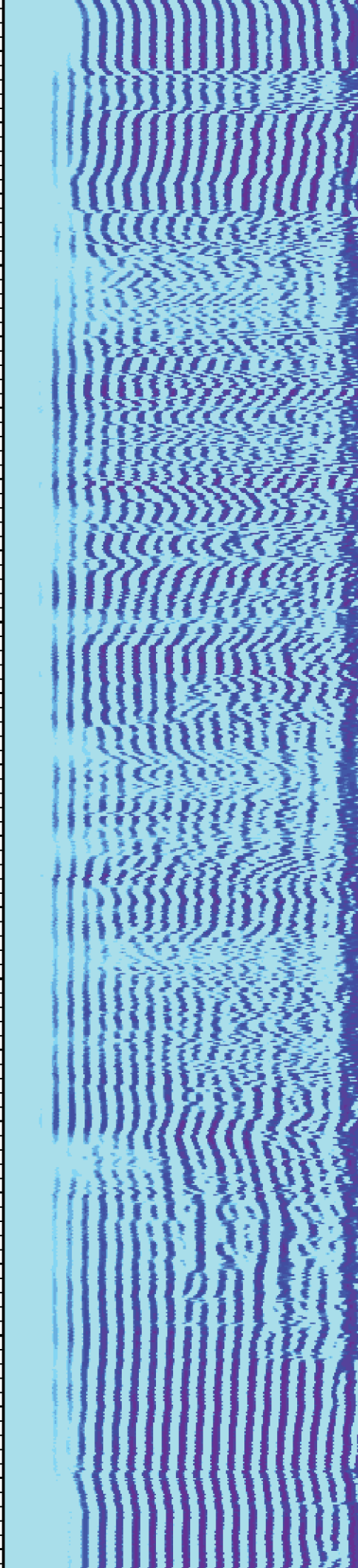


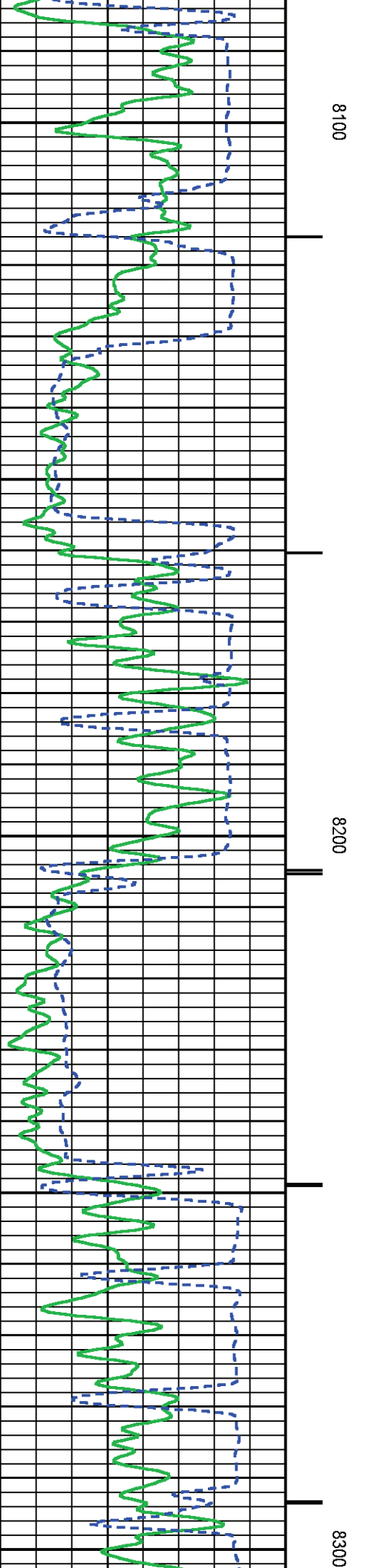
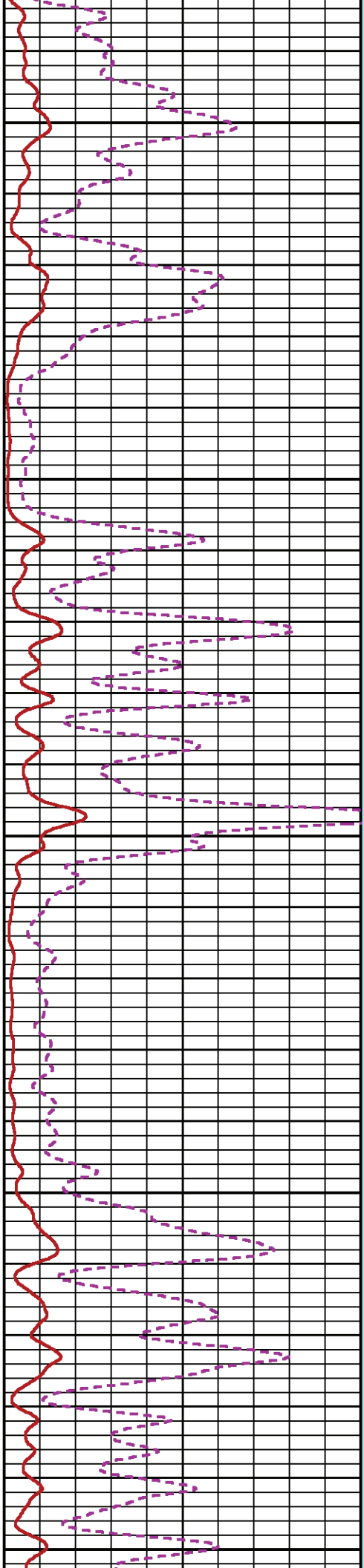
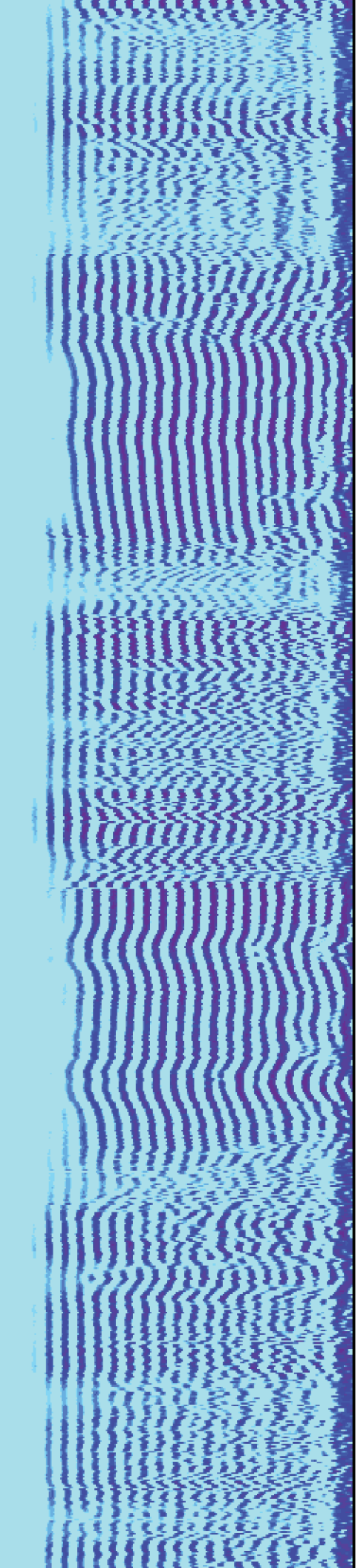


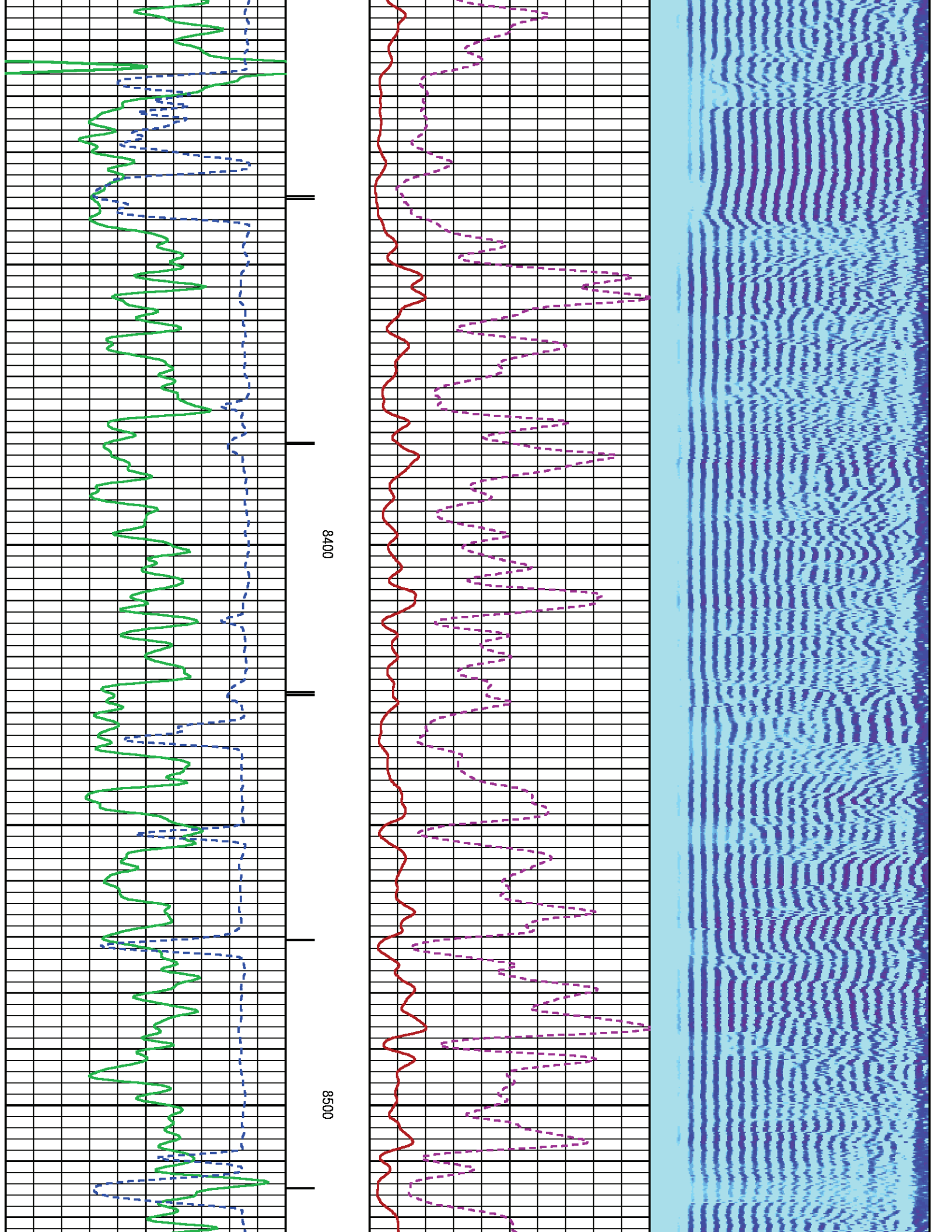


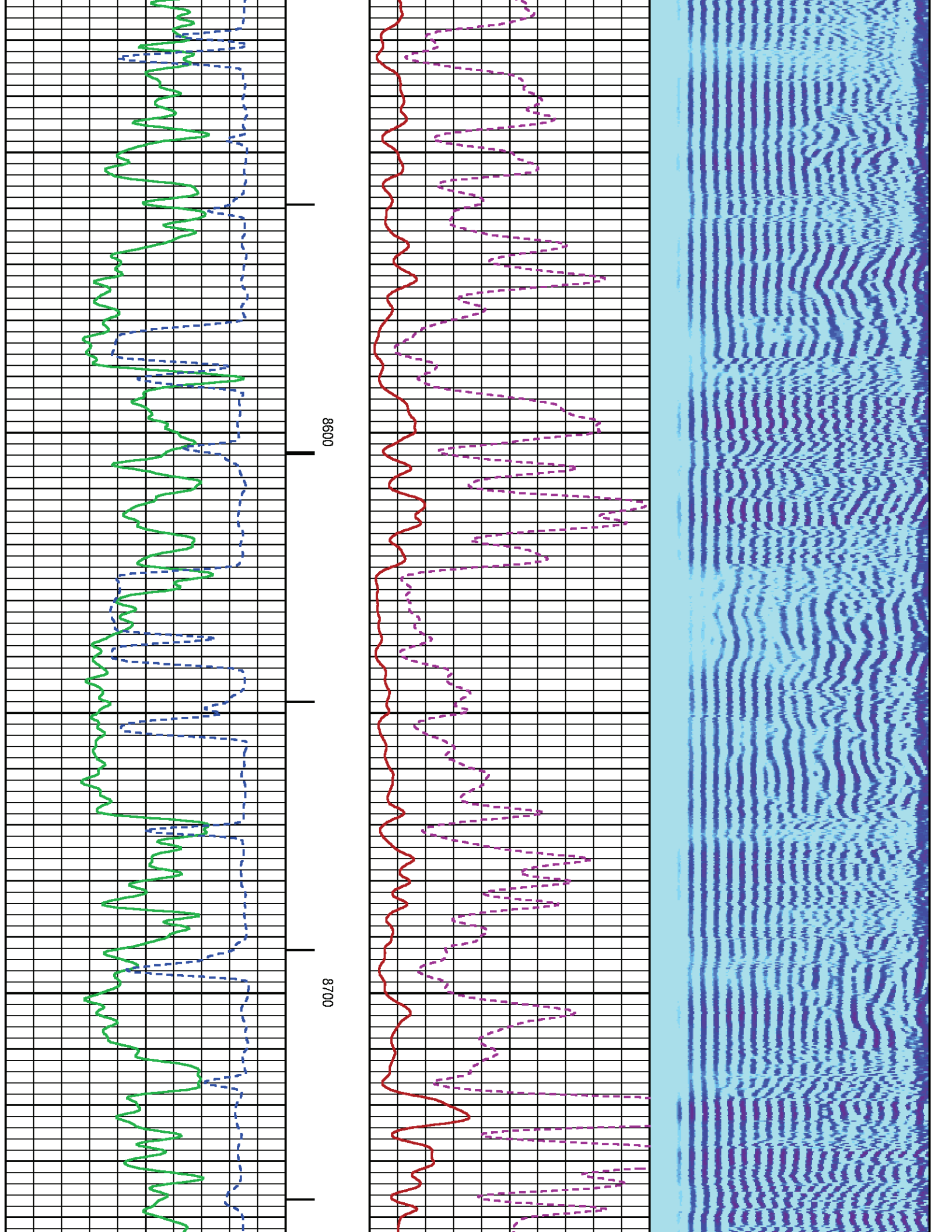


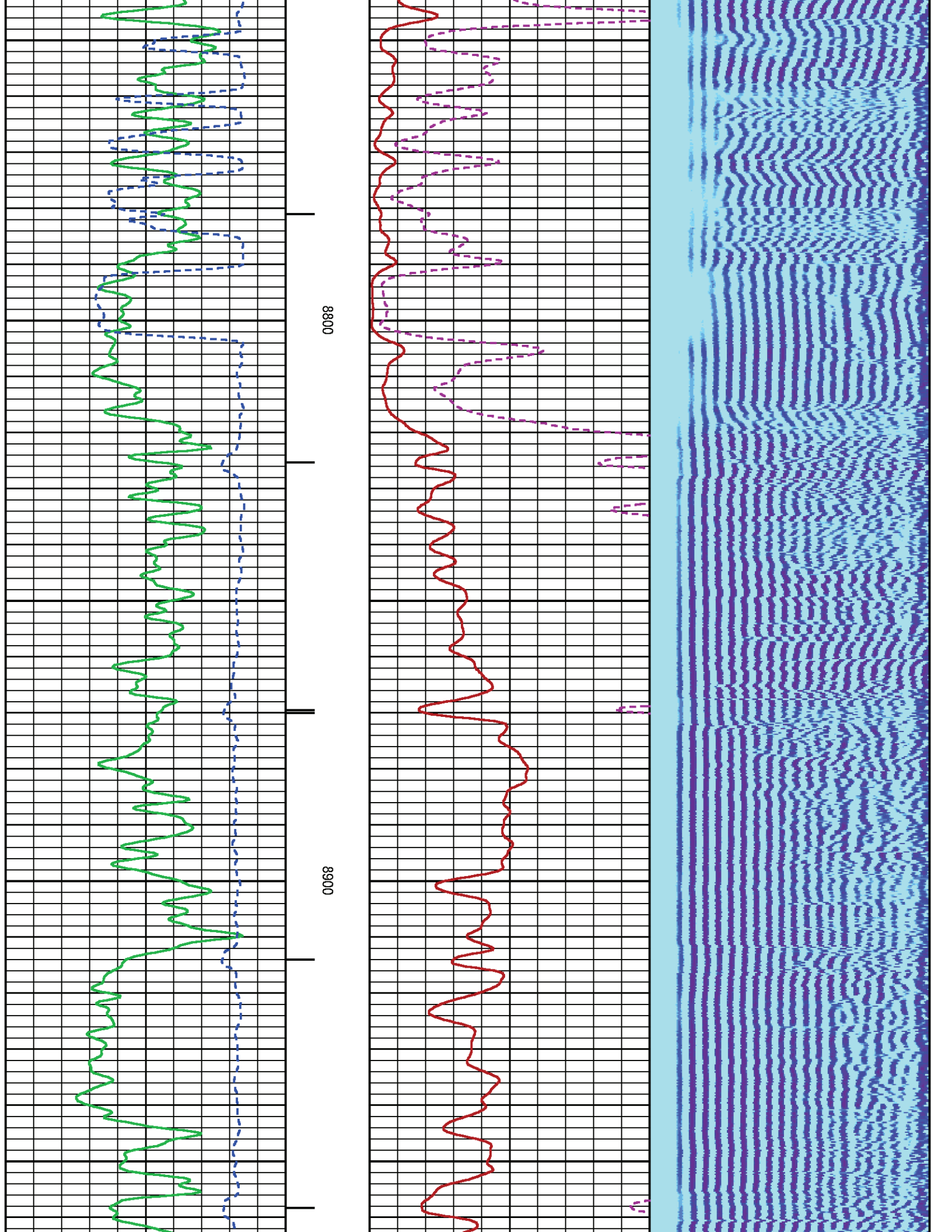


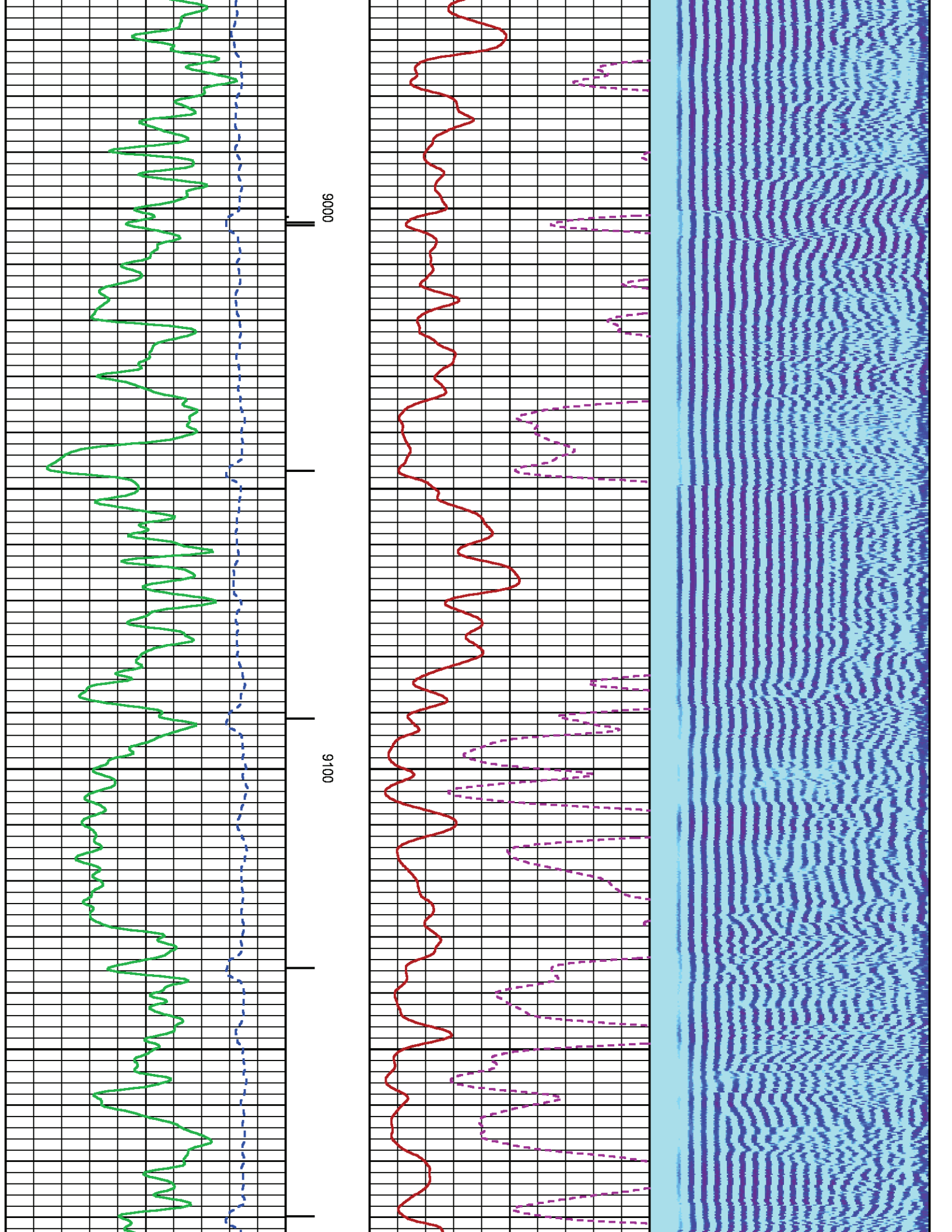


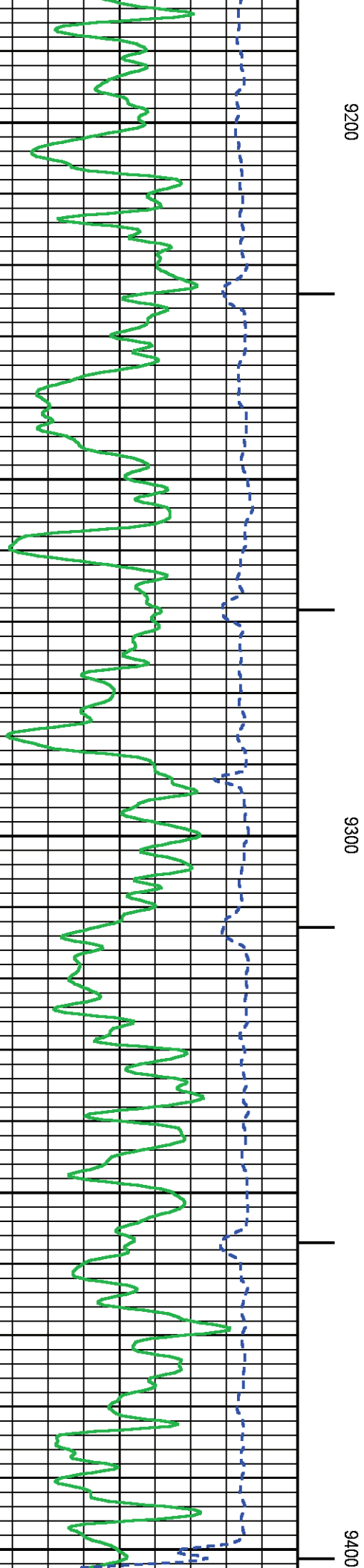
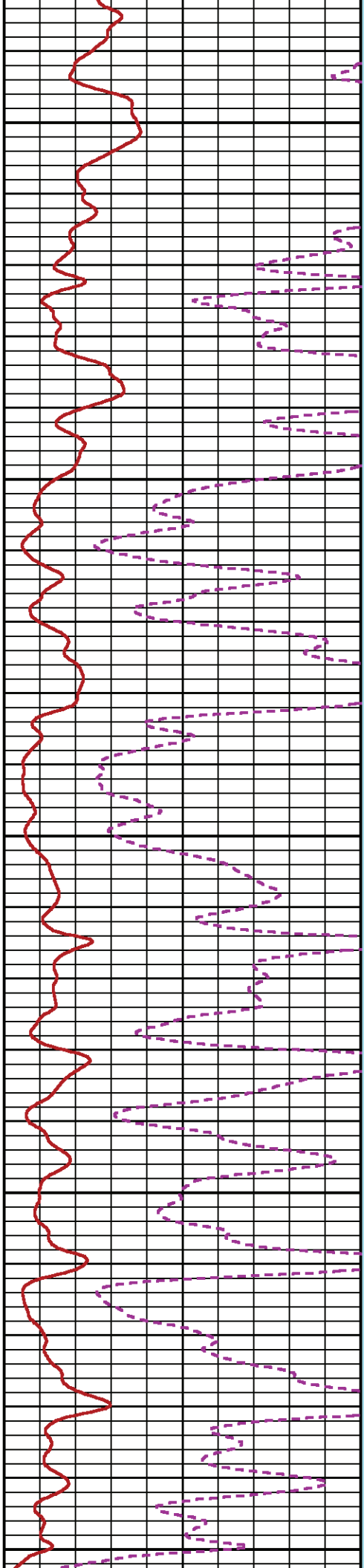
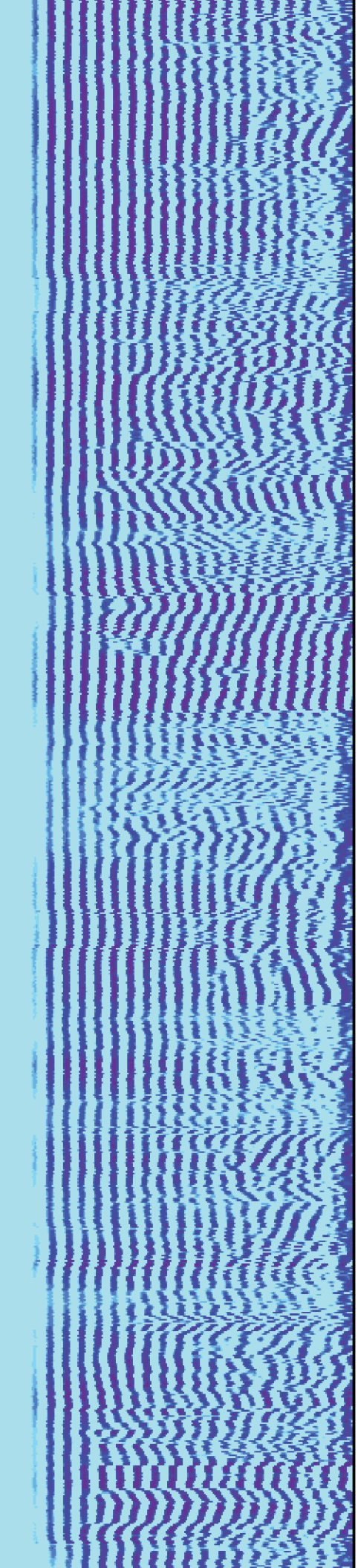


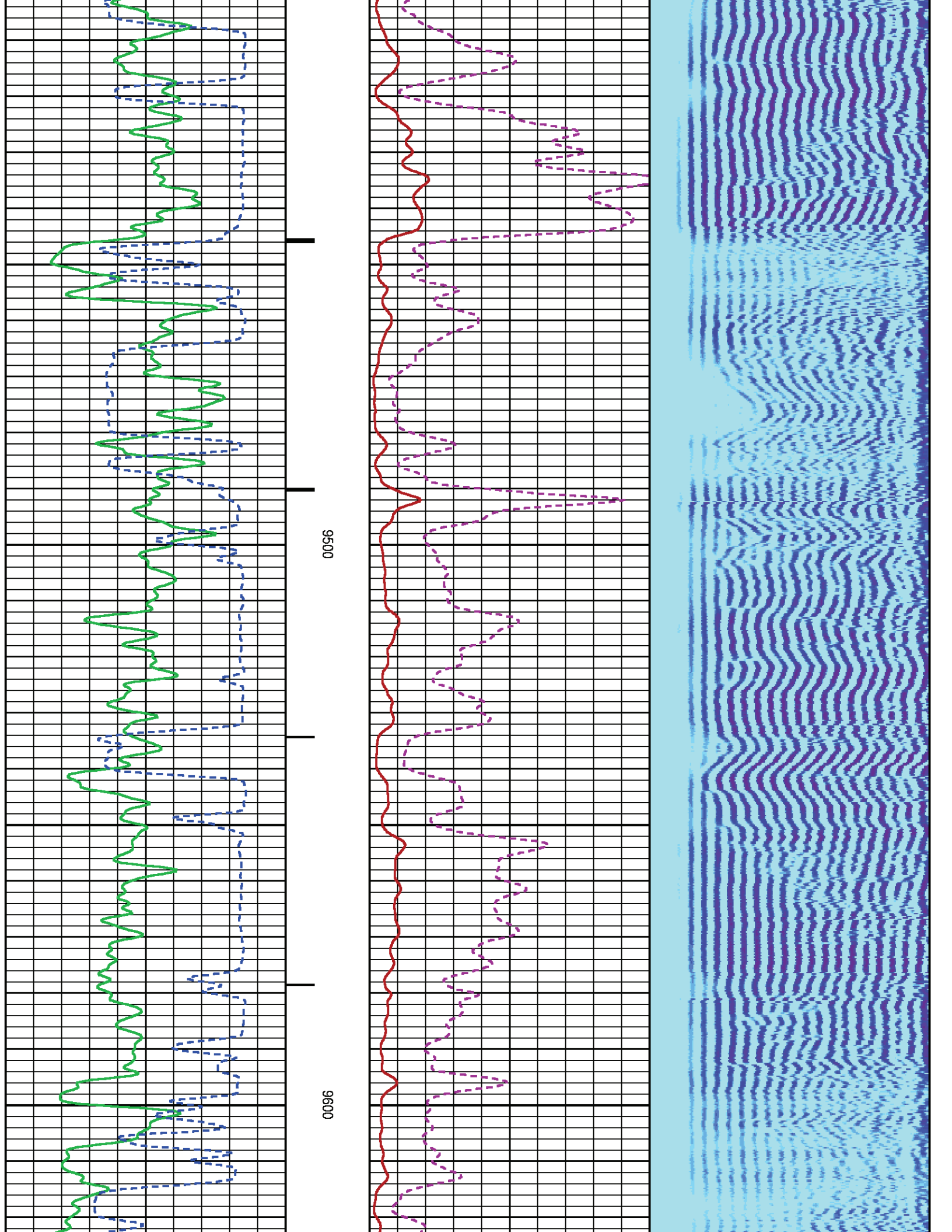


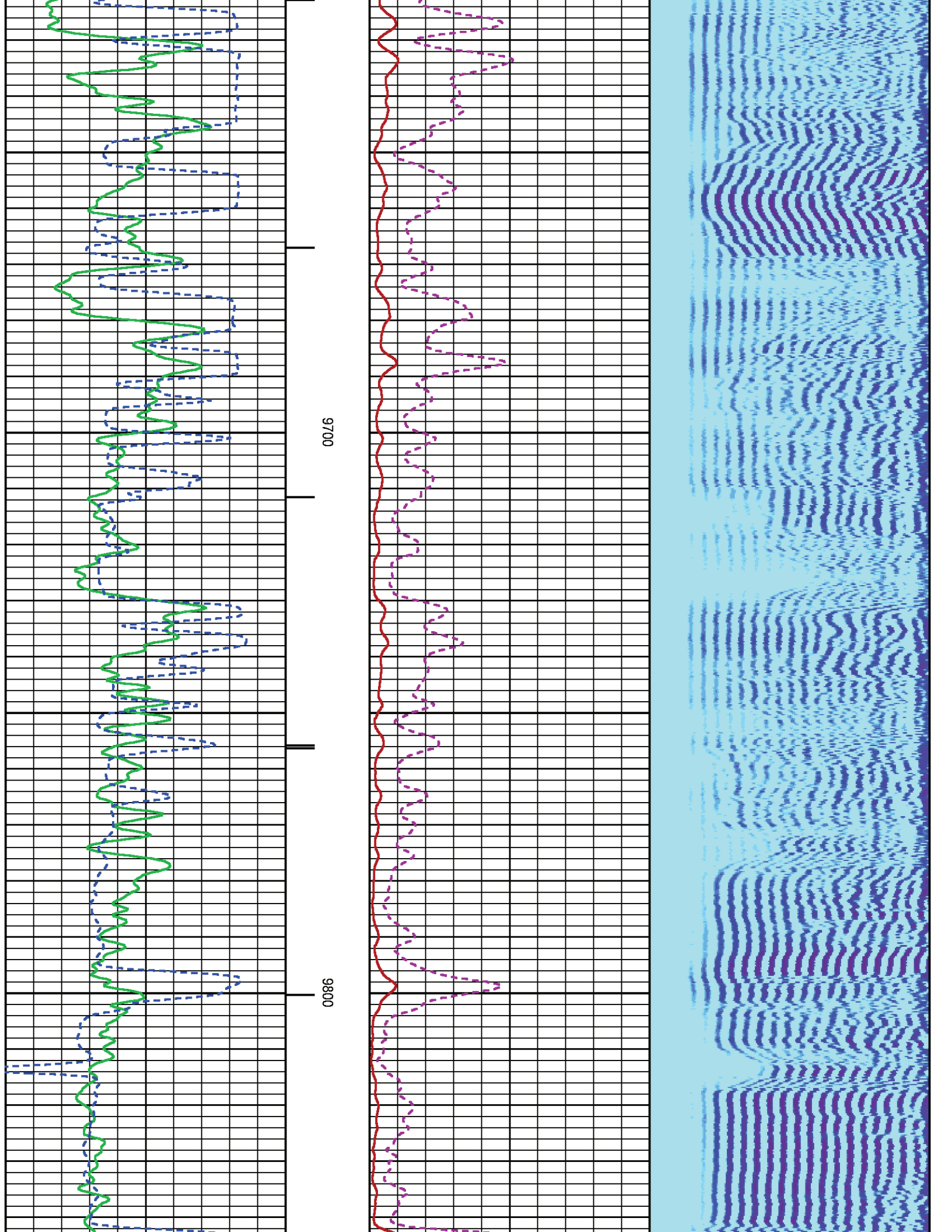


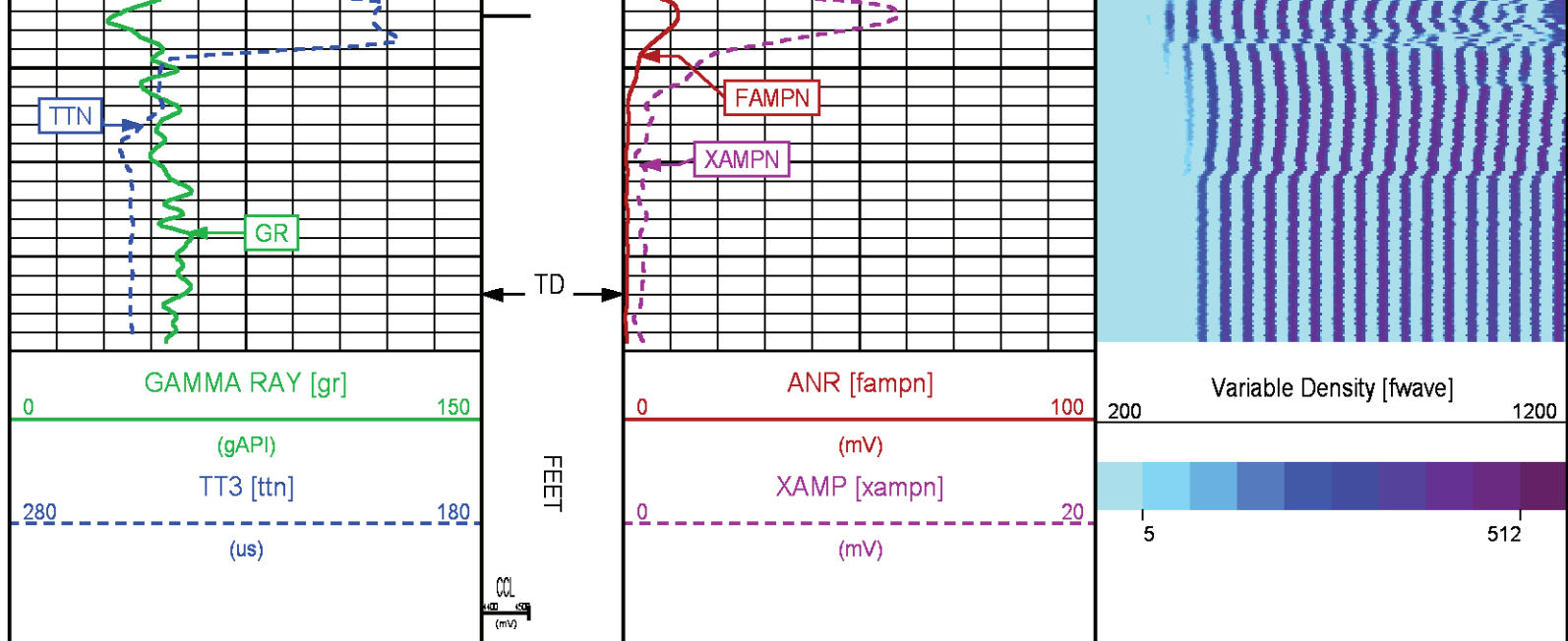












SECONDARY PRESENTATION 0 PSI

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

Updates: 1 Patches: 4

Plotted: Fri Dec 5 18:07:29 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093338/n012e02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 44.750 ft BOTTOM DEPTH: 9910.313 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	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	176	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*)	-73	us	"	"
	TOOL DELAY (str2*)	-73	us	"	"
	TOOL DELAY (str3*)	-73	us	"	"
	TOOL DELAY (str4*)	-73	us	"	"
	TOOL DELAY (str5*)	-73	us	"	"
	TOOL DELAY (str6*)	-73	us	"	"
	TOOL DELAY (str7*)	-73	us	"	"
	TOOL DELAY (str8*)	-73	us	"	"
	TOOL DELAY (strn*)	-73	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	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE T-R1
F1:AR2	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE T-R2
F1:AR3	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE T-R3
F1:AR4	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE T-R4
F1:AR5	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE T-R5
F1:AR6	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE T-R6
F1:AR7	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE T-R7
F1:AR8	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE T-R8
F1:CCL	Dec 5 12:34:02 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 5 12:34:02 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 5 12:34:02 2014	FAR WAVE FORM
F1:GR	Dec 5 12:34:02 2014	GAMMA RAY
F1:PBMAP	Dec 5 12:34:02 2014	PERCENT BOND CEMENT MAP
F1:TTN	Dec 5 12:34:02 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 5 12:34:02 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	13.75	TTN	13.75		

Presentation	: HL6670:/dat1a/CH093338/42_CBL_SECONDARY_PRESENTATION.fvpdf [5"/100' Scale]
Plot Interval	: 0 - 9879 Feet
Data File 1	: F1 : HL6670:/dat1a/CH093338/42_CBL_MAIN.xtf
Created On	: Dec 5 12:34:02 2014
Company	: WPX ENERGY
Well	: YOUNBERG RU 42-7
Field	: RULISON
File Interval	: 8 - 9898.75 Feet
OCT	: n012e

GAMMA RAY [gr]		ANR [fampn]	Variable Density [fwave]	AR1 [ar1]	PBMAP [pbmap]
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