



FILE NO: CH093340		COMPANY WELL FIELD COUNTY		WPX ENERGY YOUBERG RU 531-7 RULISON GARFIELD		STATE CO	
API NO: 05045223510000		LOCATION: Ver. 3.87 7 7S 93W RU 42-7 PAD NABORS 574		SHL: 2468' FNL & 392' FEL BHL: 1074' FNL & 1599' FEL SEC 7 TWP 7S RGE 93W		OTHER SERVICES RPM	
PERMANENT DATUM LOG MEASURED FROM		GL KB ELEVATION 26 FT 7737 FT ABOVE P.D.		ELEVATIONS: KB 7763 FT DF GL 7737 FT			
DRILL. MEAS. FROM		KB					
DATE		06-Dec-2014					
RUN		TRIP		1		1	
SERVICE ORDER		US093340					
DEPTH DRILLER		10018 FT					
DEPTH LOGGER		9995 FT					
BOTTOM LOGGED INTERVAL		9985 FT					
TOP LOGGED INTERVAL		26 FT					
TIME STARTED		7:00					
TIME FINISHED		10:30					
OPERATOR RIG TIME		3.5 HOURS					
TYPE OF FLUID IN HOLE		WATER					
FLUID DENSITY		NA					
FLUID SALINITY		NA					
FLUID LEVEL		88 FT					
LOGGED CEMENT TOP		NA					
WELLHEAD PRESSURE		0 PSI					
MAXIMUM HOLE DEVIATION		NA					
NOMINAL LOGGING SPEED		65 F/MIN					
MAX. RECORDED TEMP.		240 DEGF					
REFERENCE LOG		NA					
REFERENCE LOG DATE		NA					
EQUIP. NO.		HL-6670		GRAND JCT.			
RECORDED BY		NEWELL					
WITNESSED BY		CHRIS TILLER					

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	1122 FT
8.75 IN	1122 FT	10095 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			0 FT	1122 FT
4.5 IN	11.6 LB/F	P-110	0 FT	10095 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 -7 feet.	
Logged with zero PSI at wellhead.	
BHT = 240 degF SJ = 6754' - 6774'	

EQUIPMENT DATA				
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.

1	1	CBL	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: Sat Dec 6 12:25:13 2014

### PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093340/n012e02.prm  
 LOGGING MODE: DEPTH DIRECTION: UP  
 TOP DEPTH: 38.000 ft BOTTOM DEPTH: 10013.000 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*)	175	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-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	Dec 6 07:47:32 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 6 07:47:32 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 6 07:47:32 2014	FAR WAVE FORM
F1:GR	Dec 6 07:47:32 2014	GAMMA RAY
F1:TTN	Dec 6 07:47:32 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 6 07:47:32 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

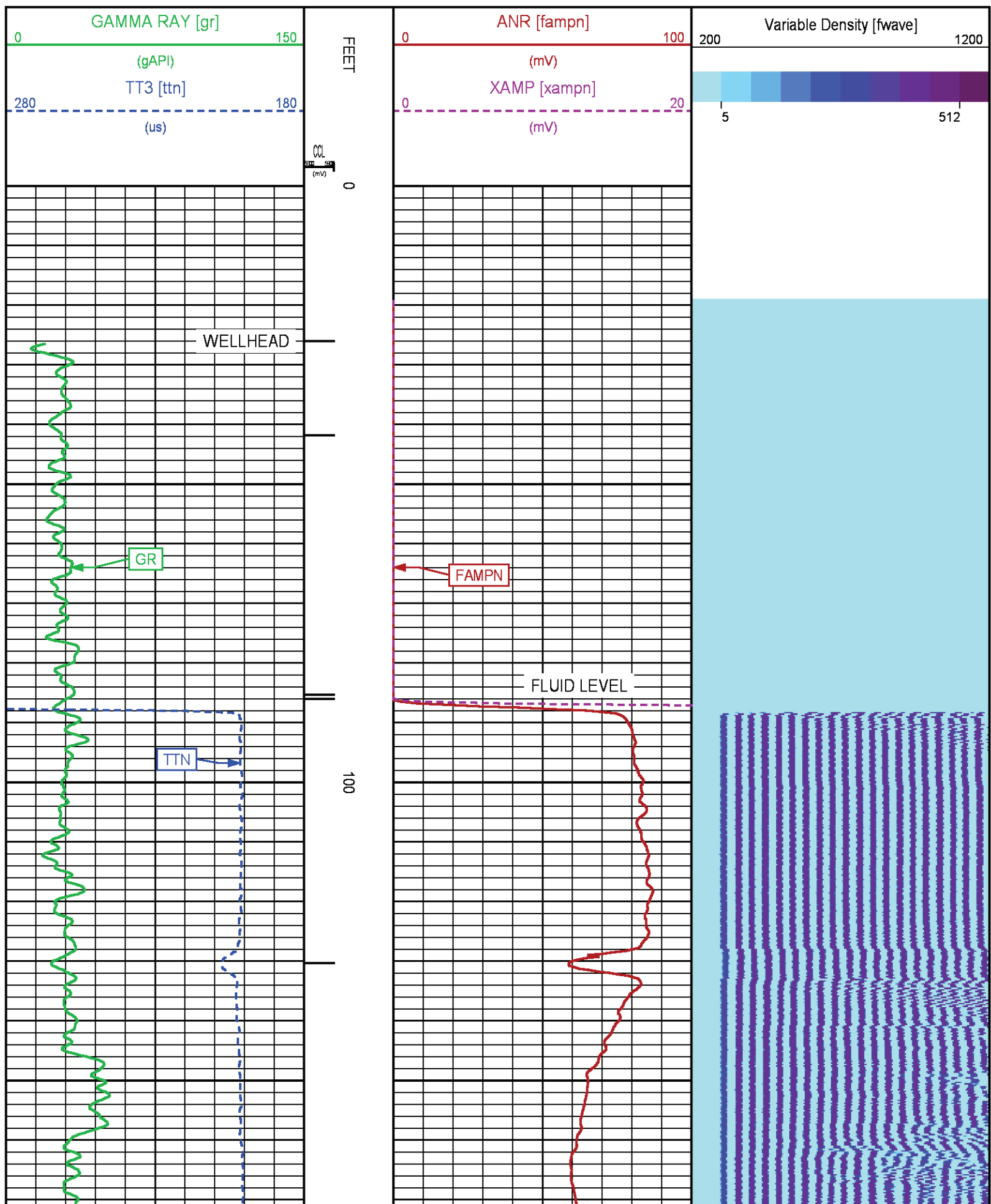
### CURVE MEASURE POINT OFFSET

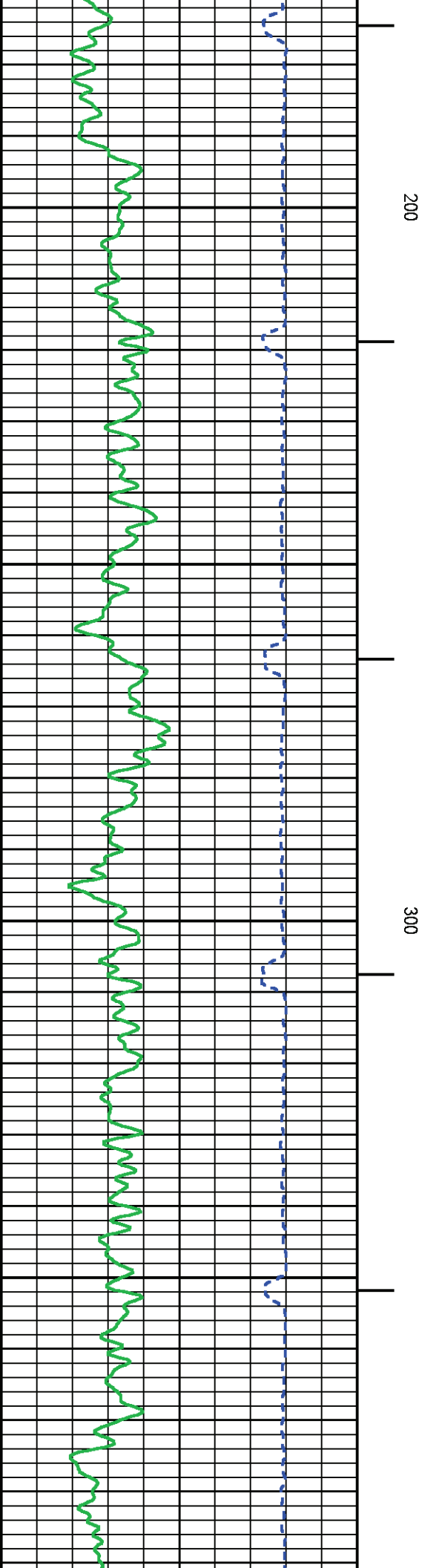
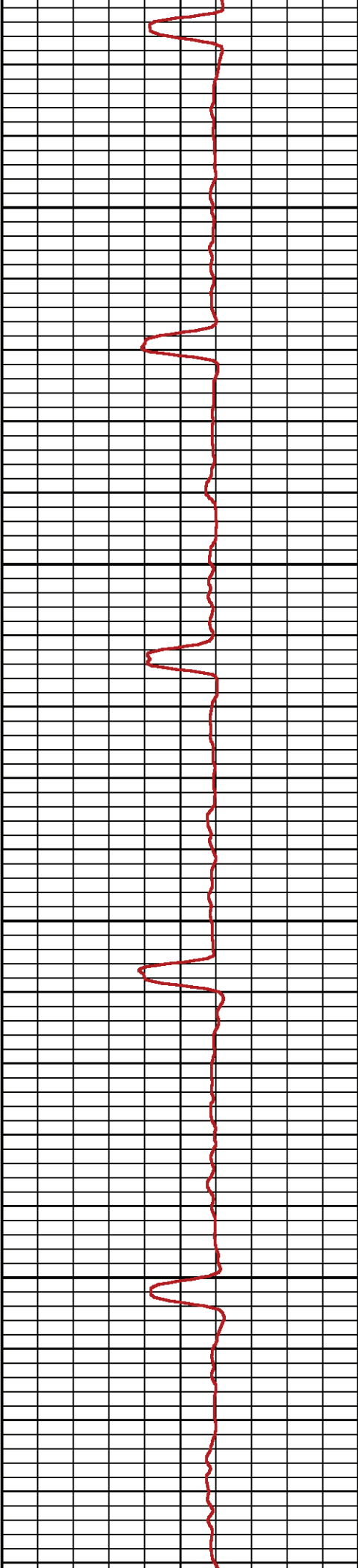
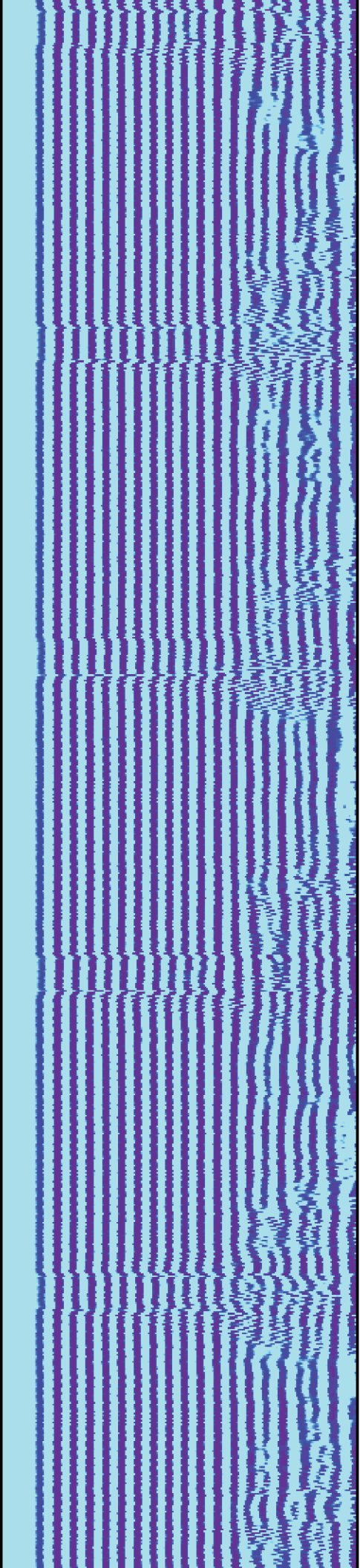
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

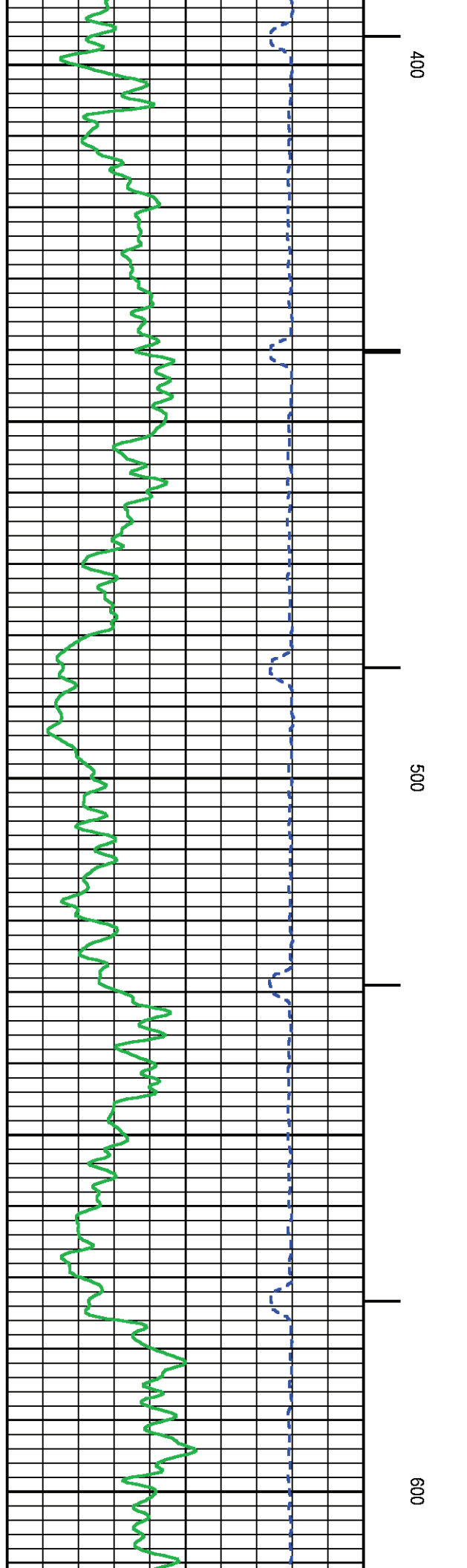
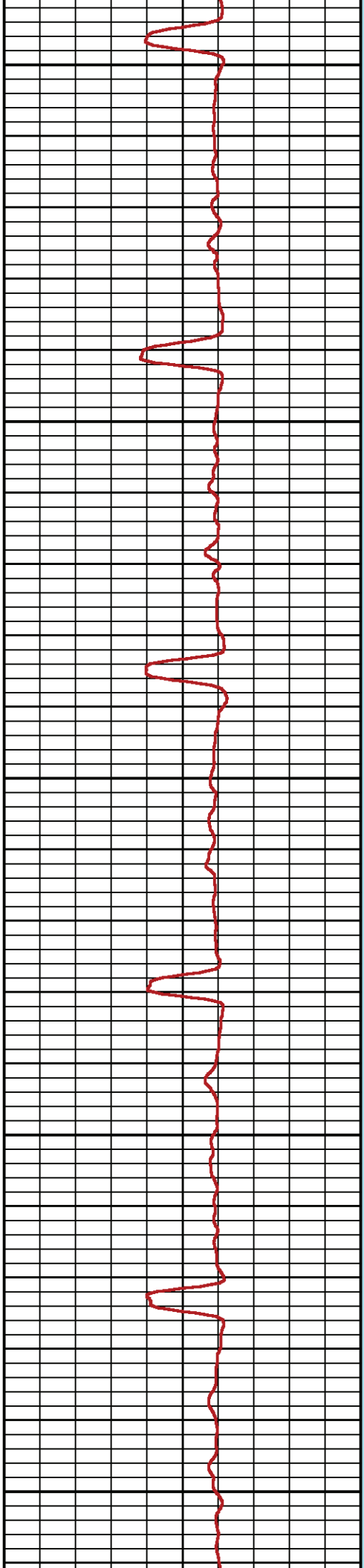
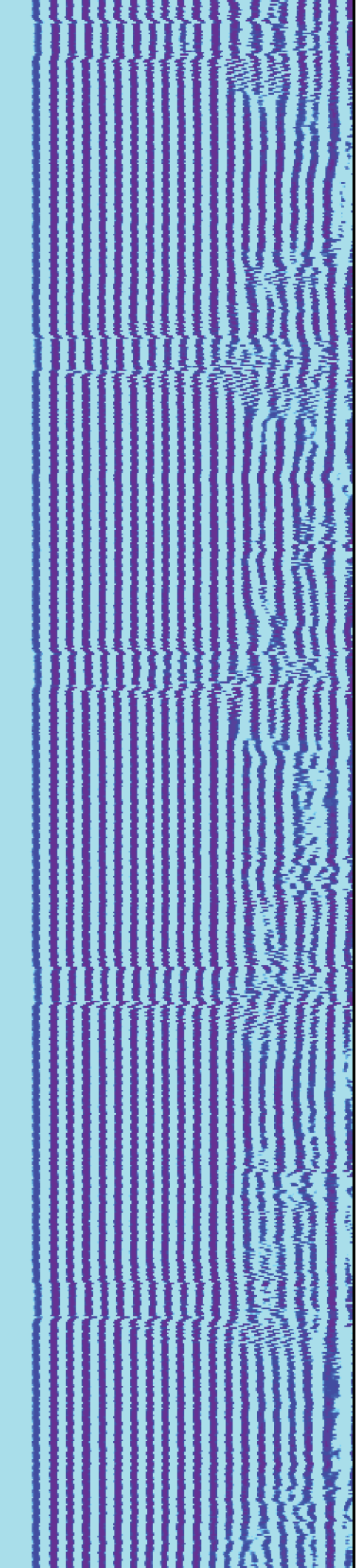
Presentation : HL6670:/dat1a/CH093340/531\_CBL\_PRIMARY\_PRESENTATION.fvpdf [5"/100' Scale]  
 Plot Interval : 0 - 10000 Feet

Data File 1 : F1 : HL6670:/dat1a/CH093340/531CBL\_MAIN.xtf  
 Created On : Dec 6 07:47:32 2014

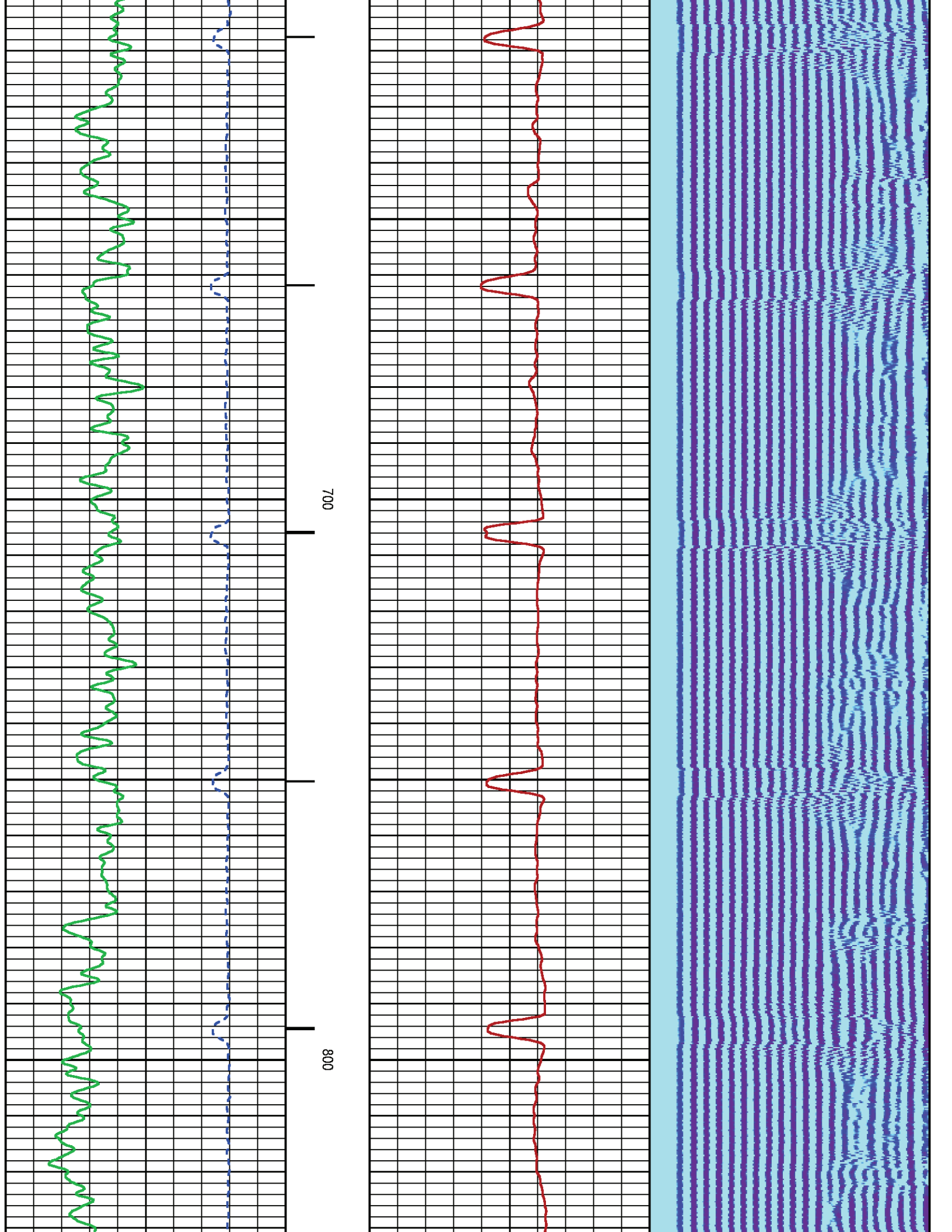
Created On : Dec 6 07:47:32 2014  
Company : WPX ENERGY  
Well : YUBERG RU 531-7  
Field : RULISON  
File Interval : 18 - 10006.8 Feet  
OCT : n012e

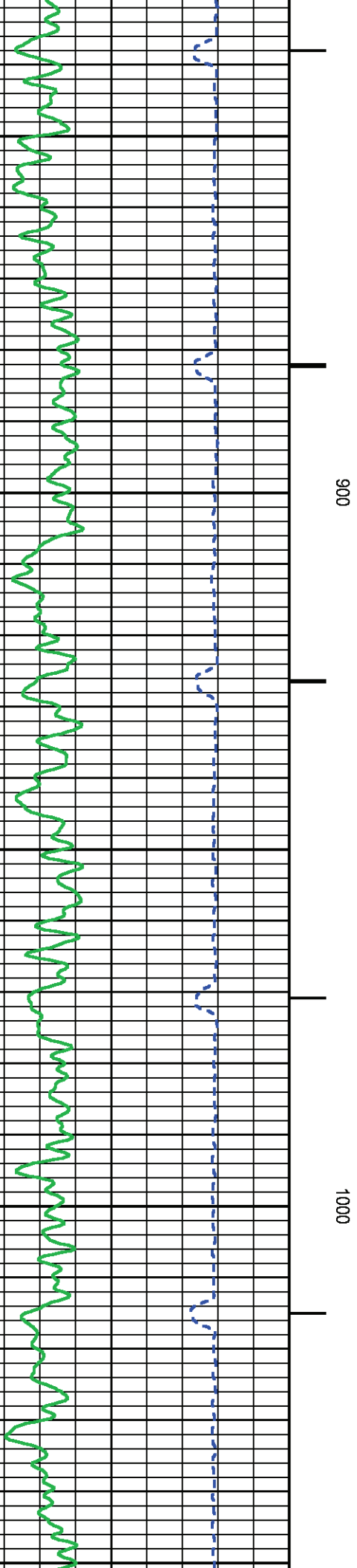
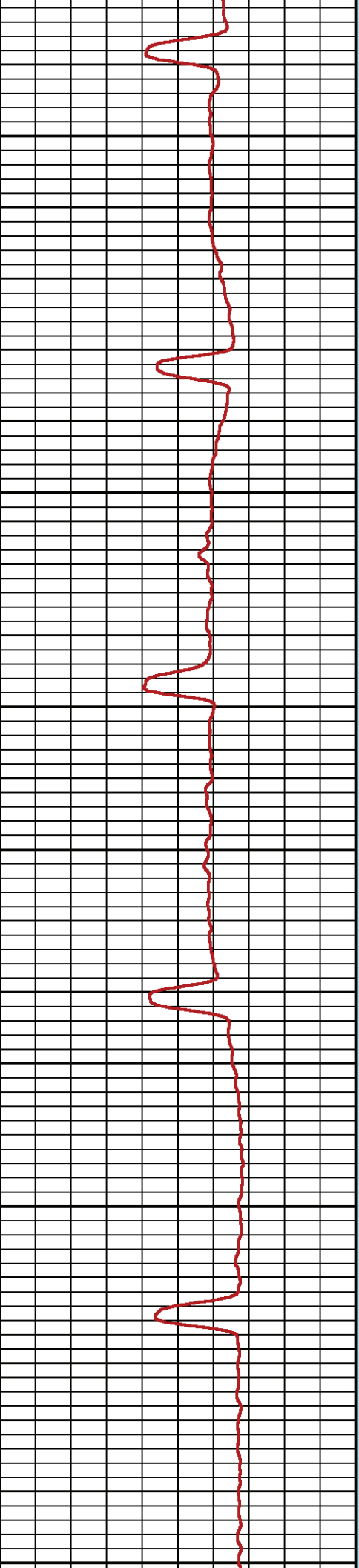
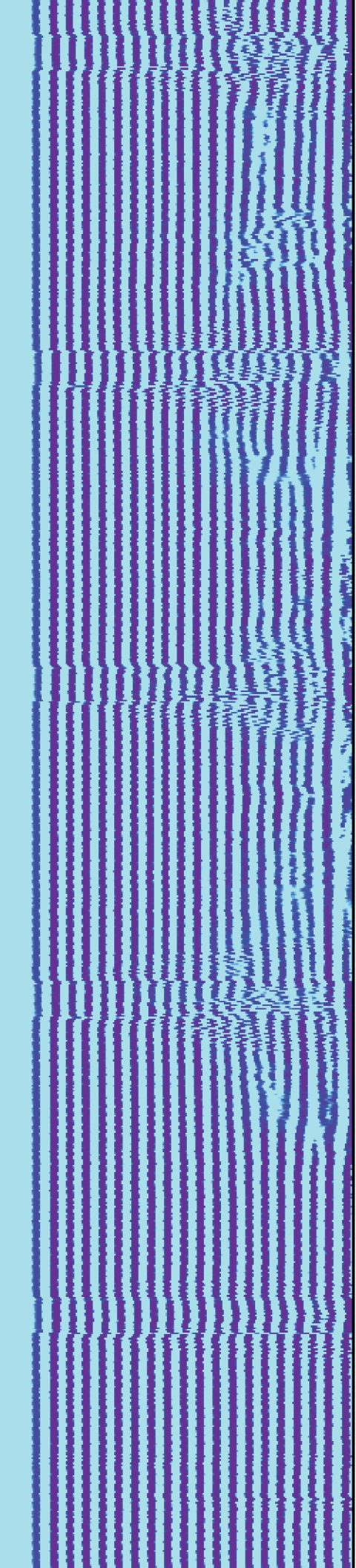


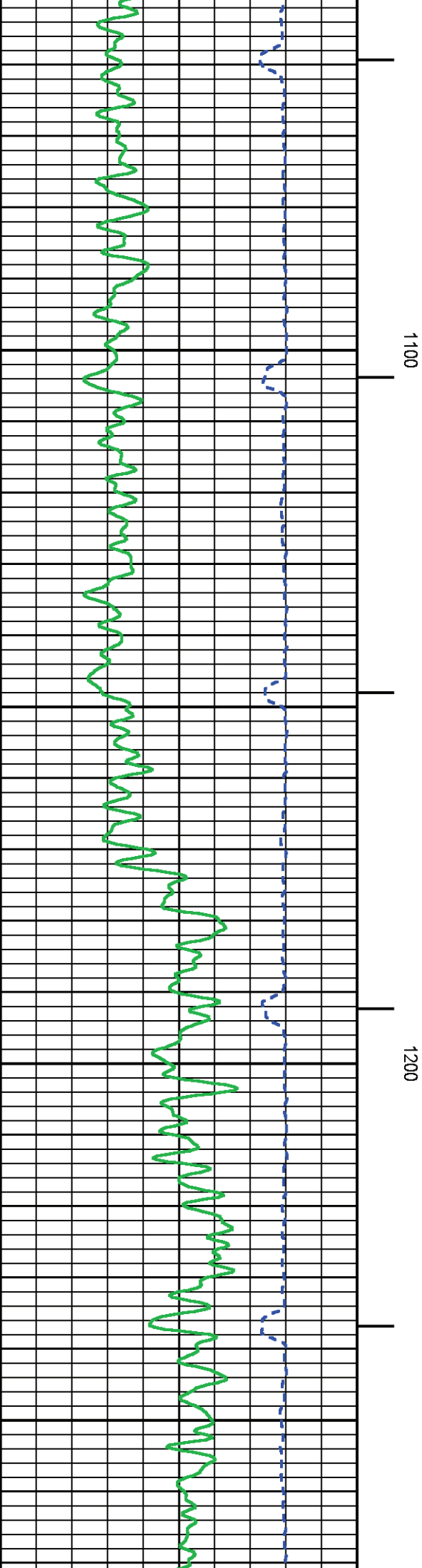
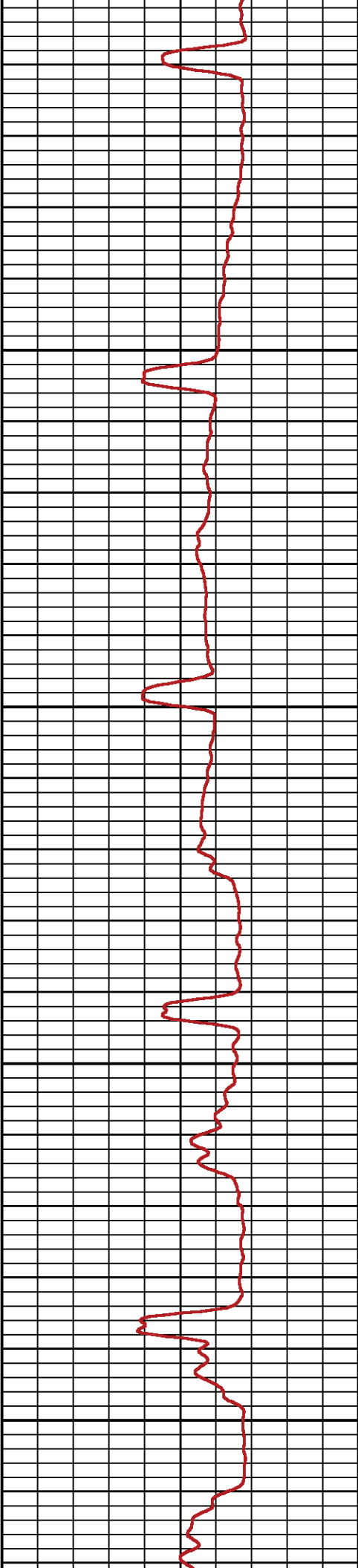
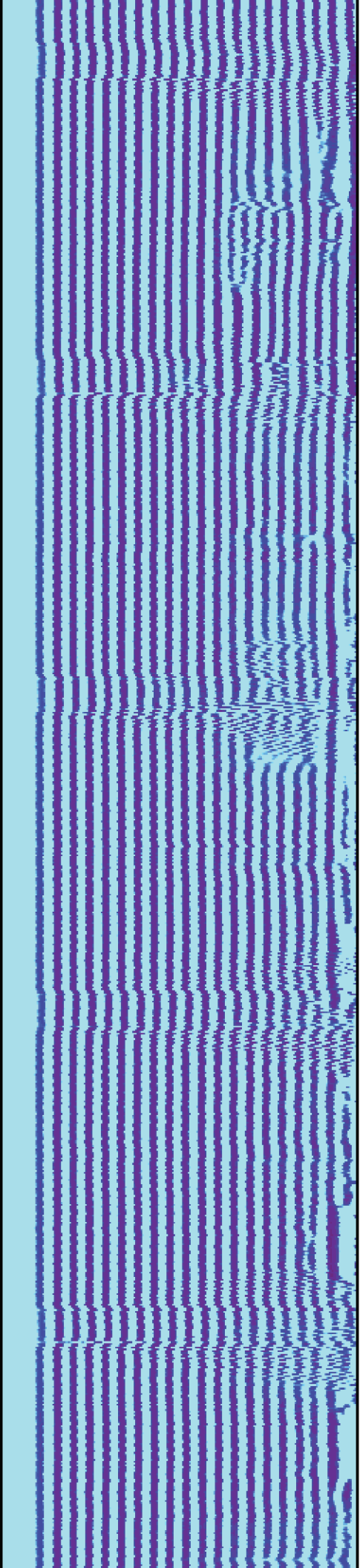




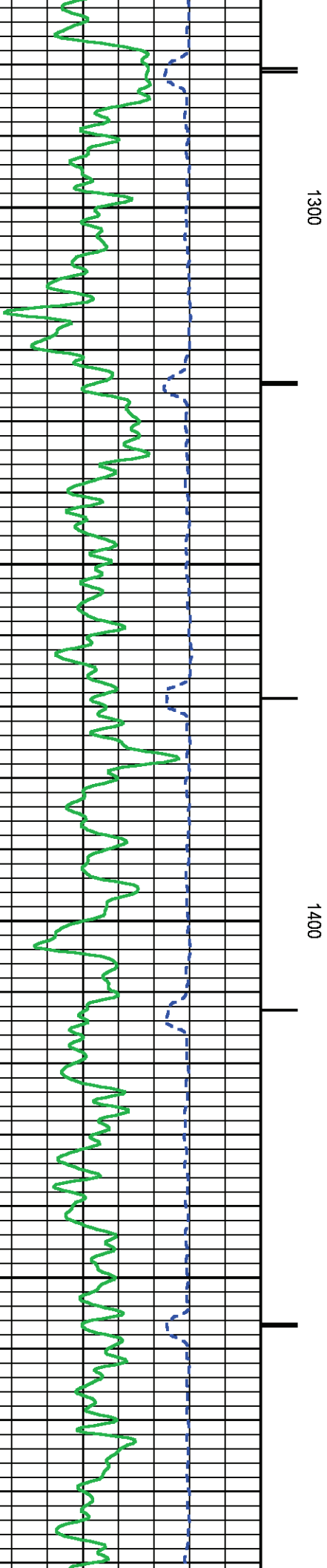
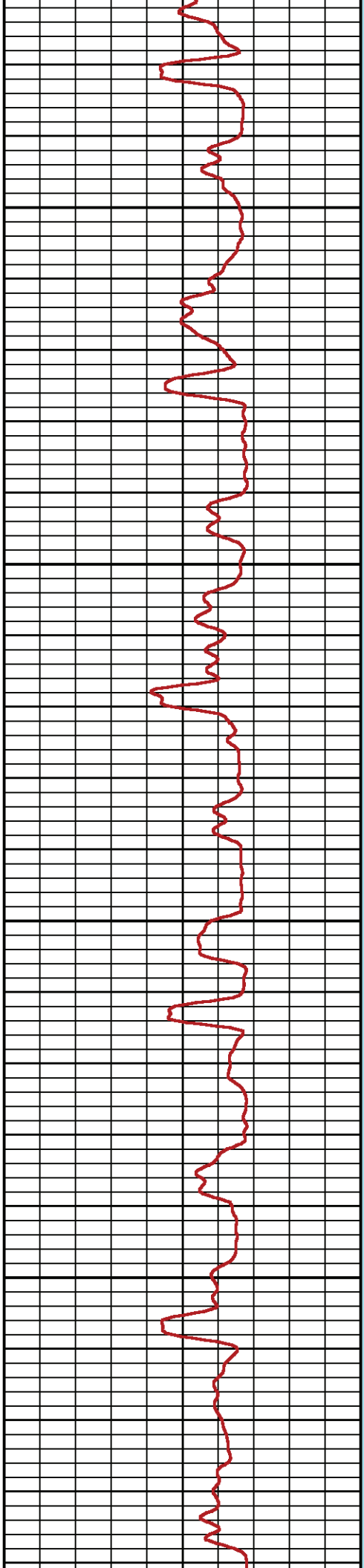
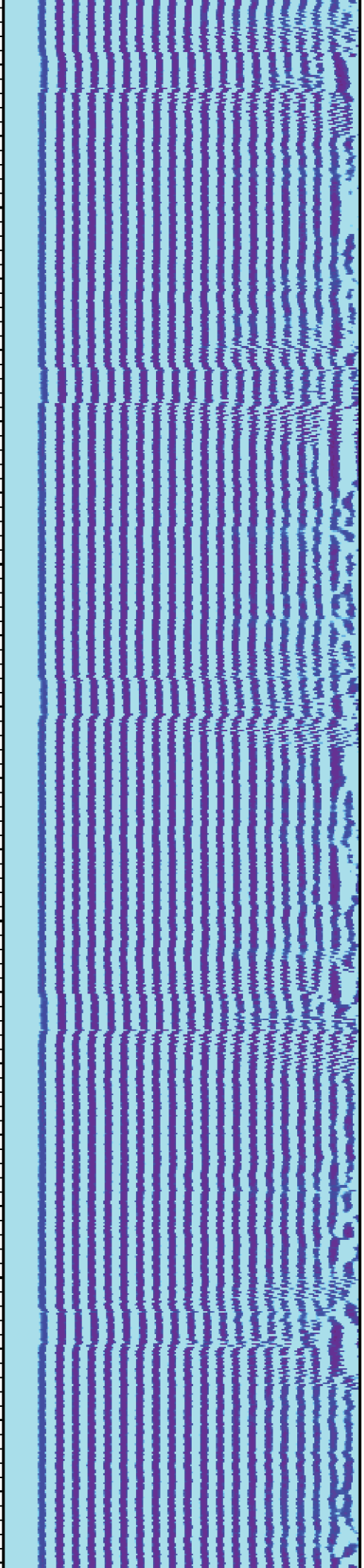


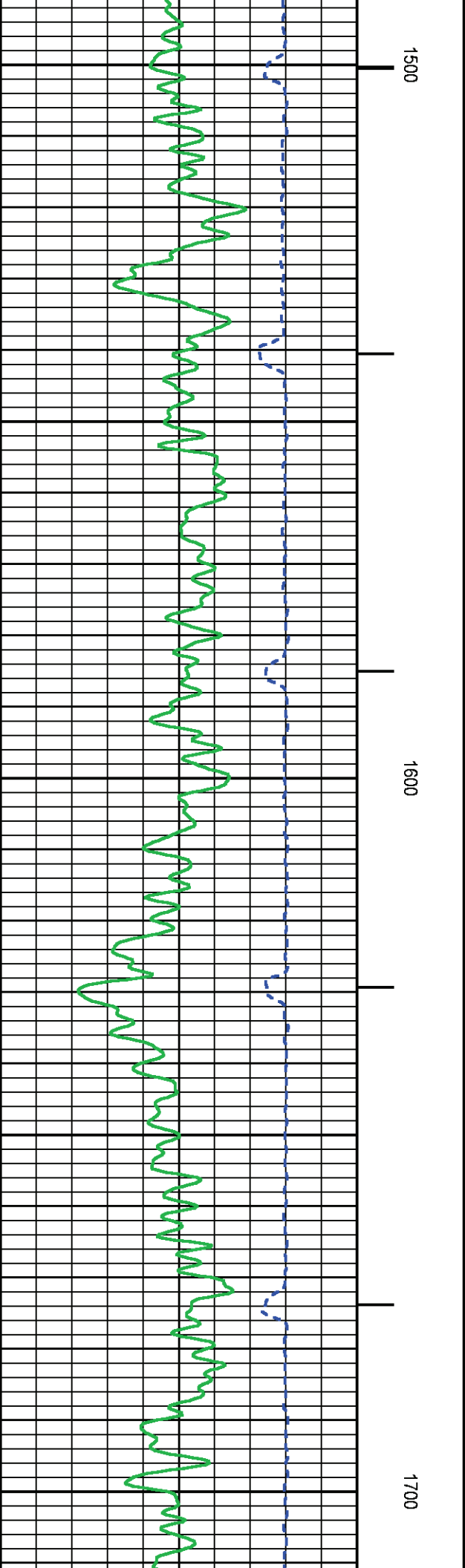
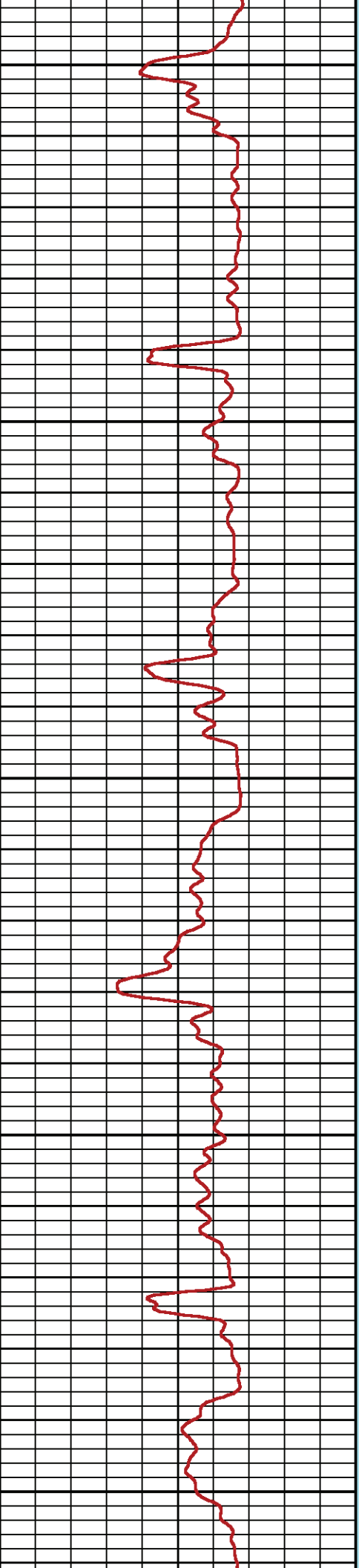
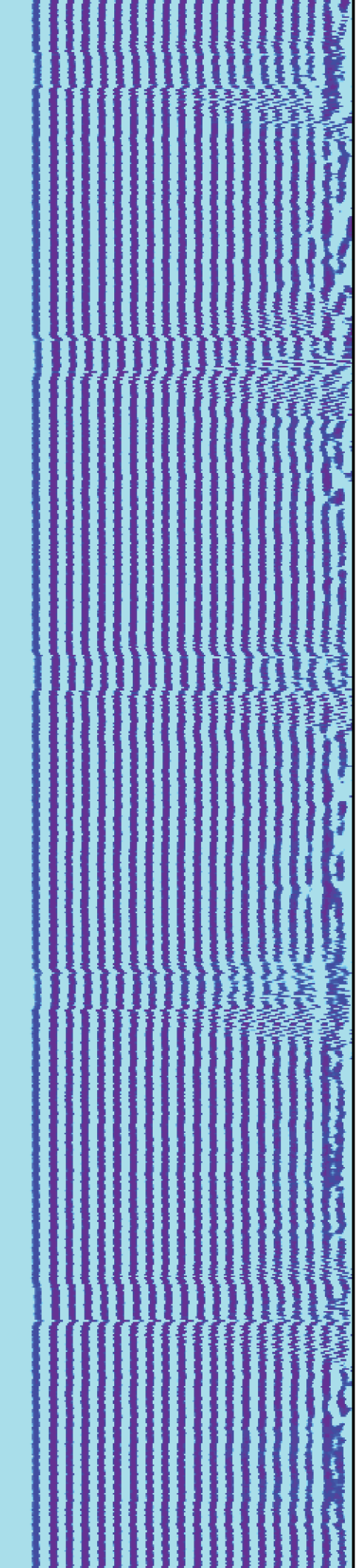


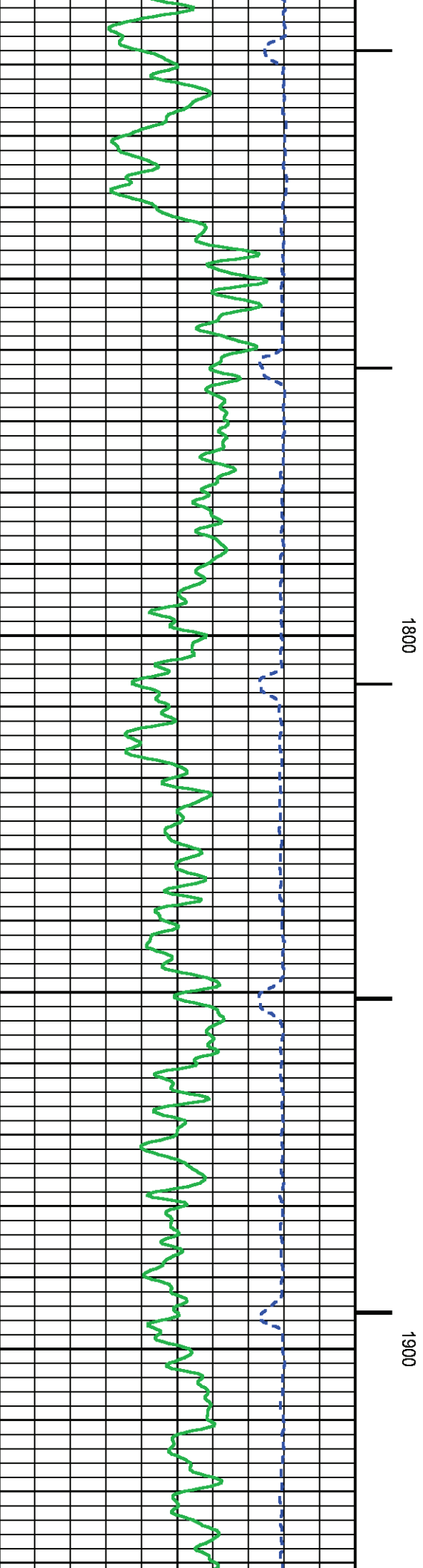
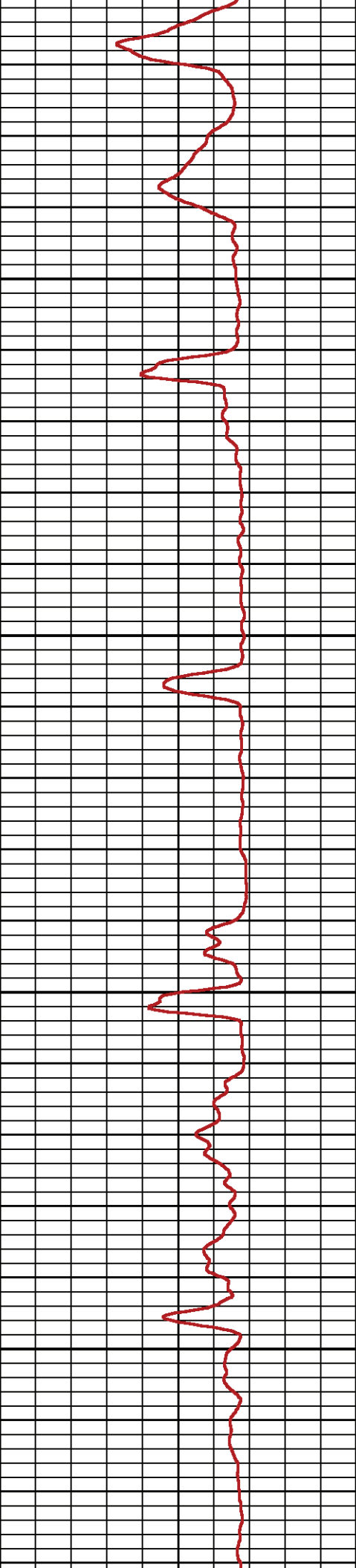
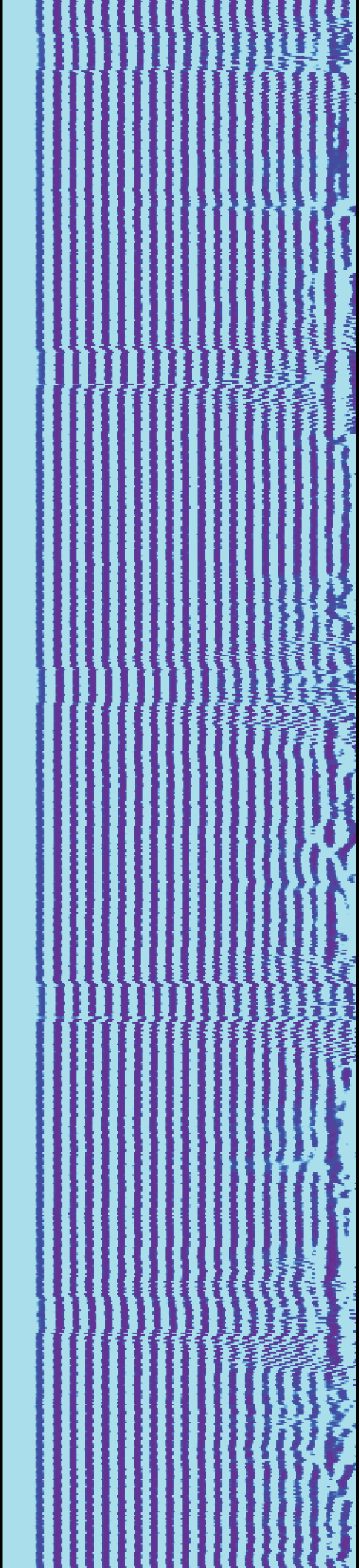


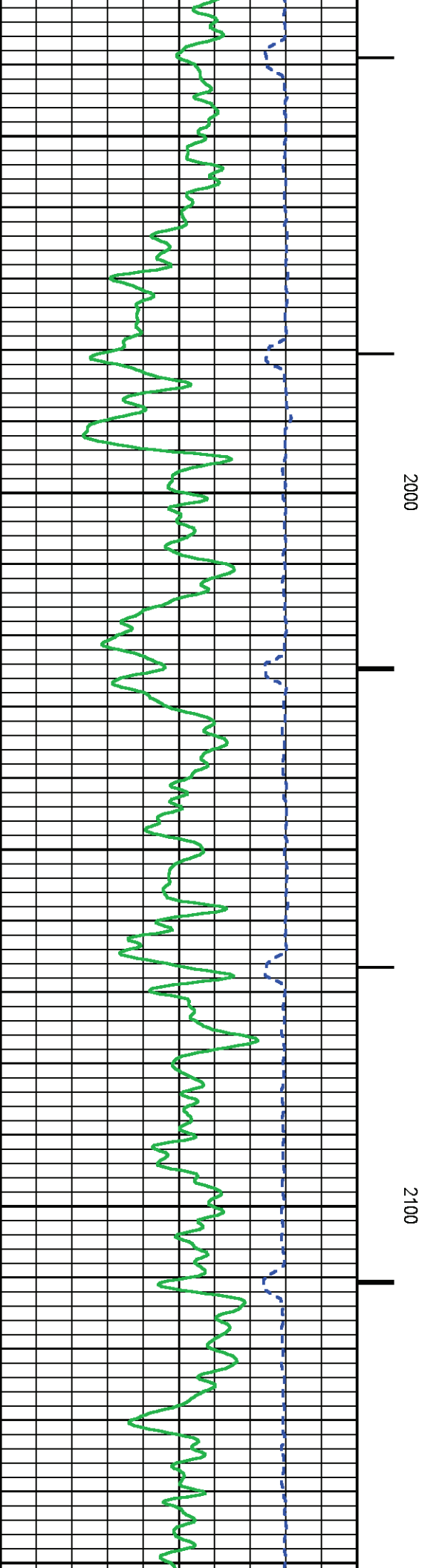
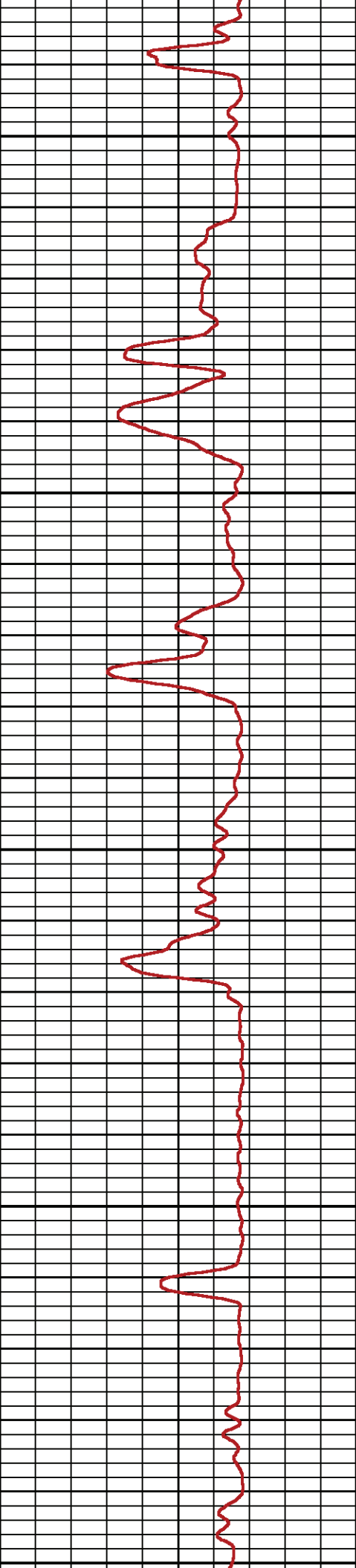
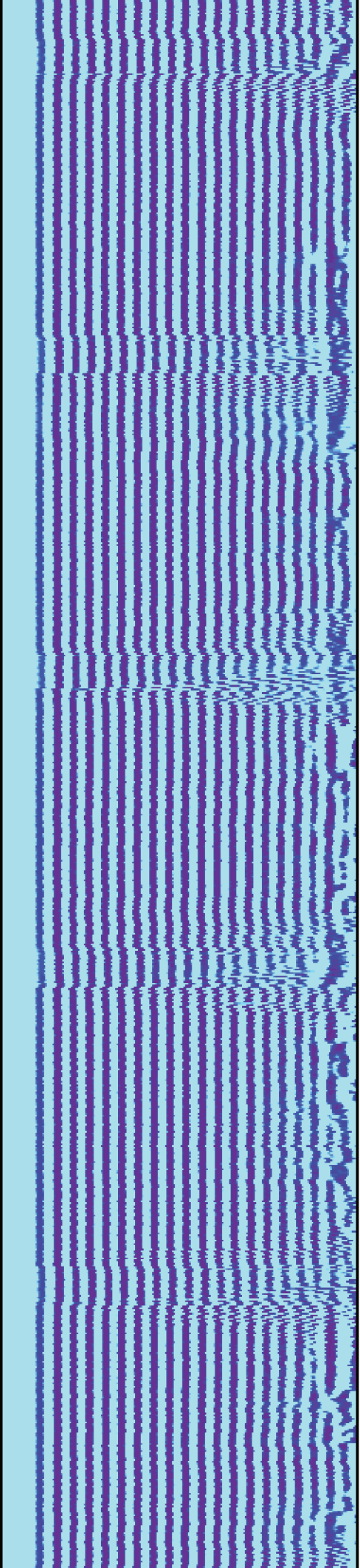




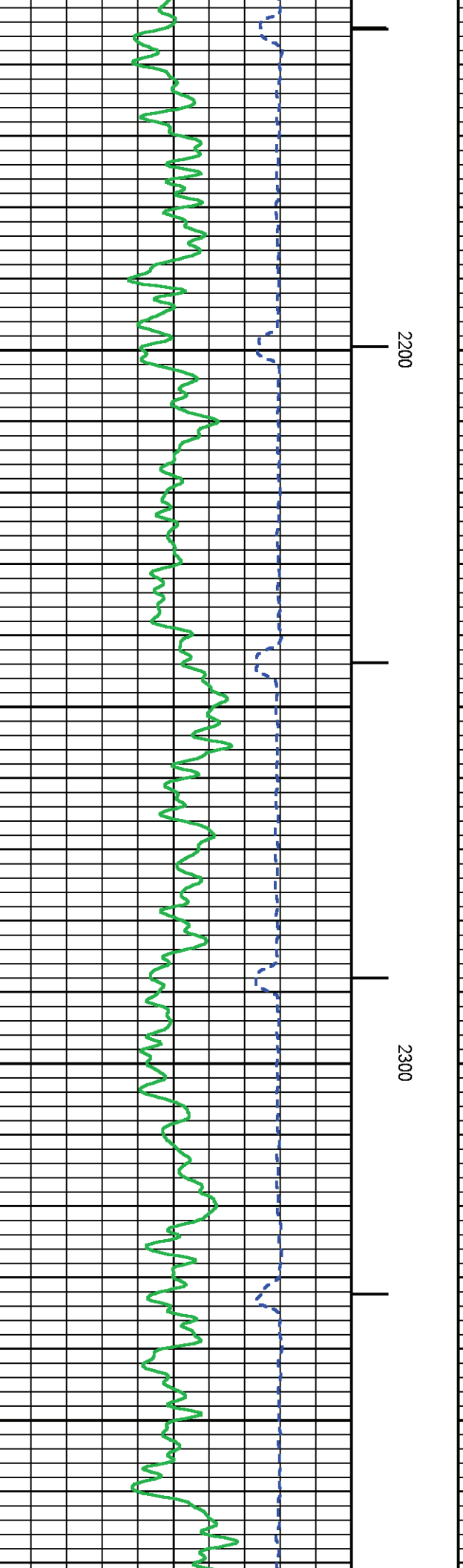
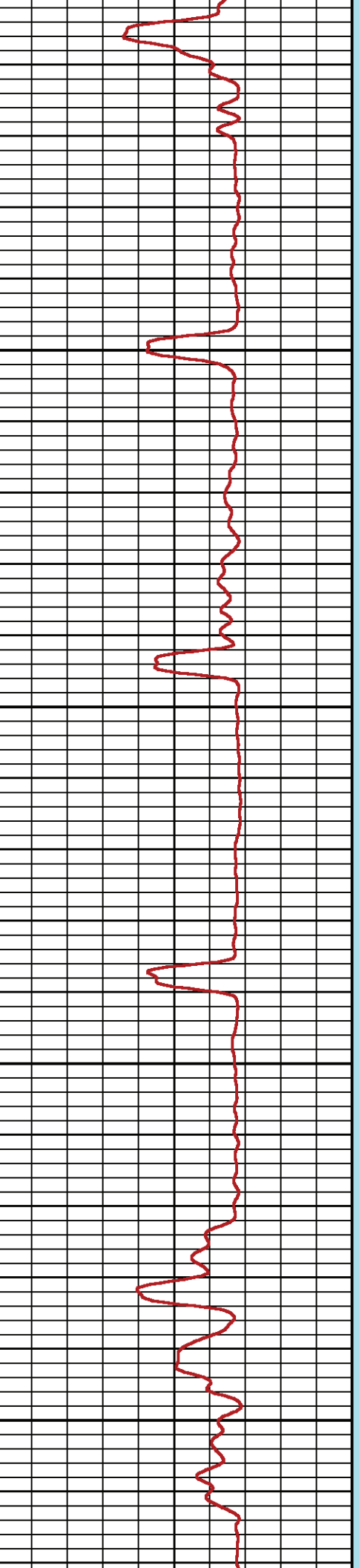
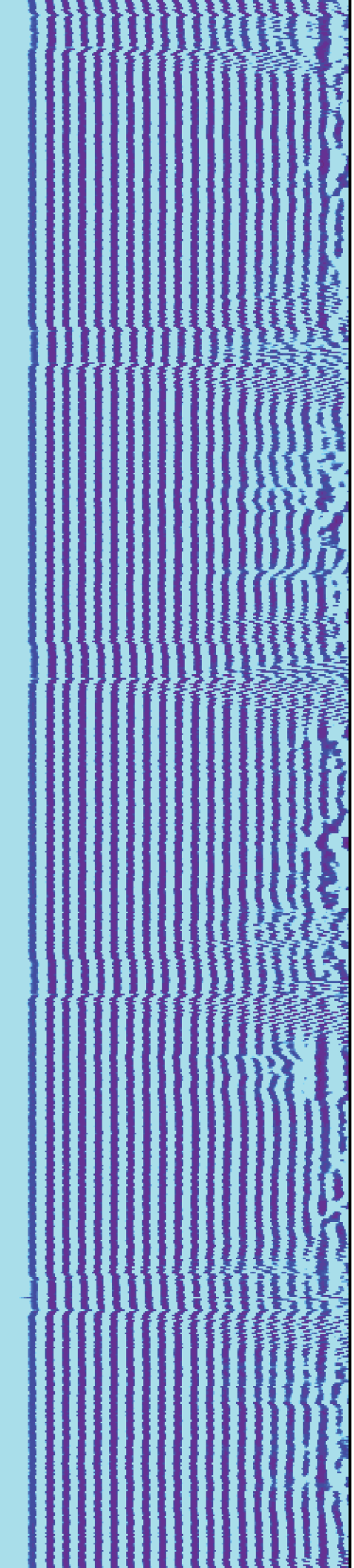




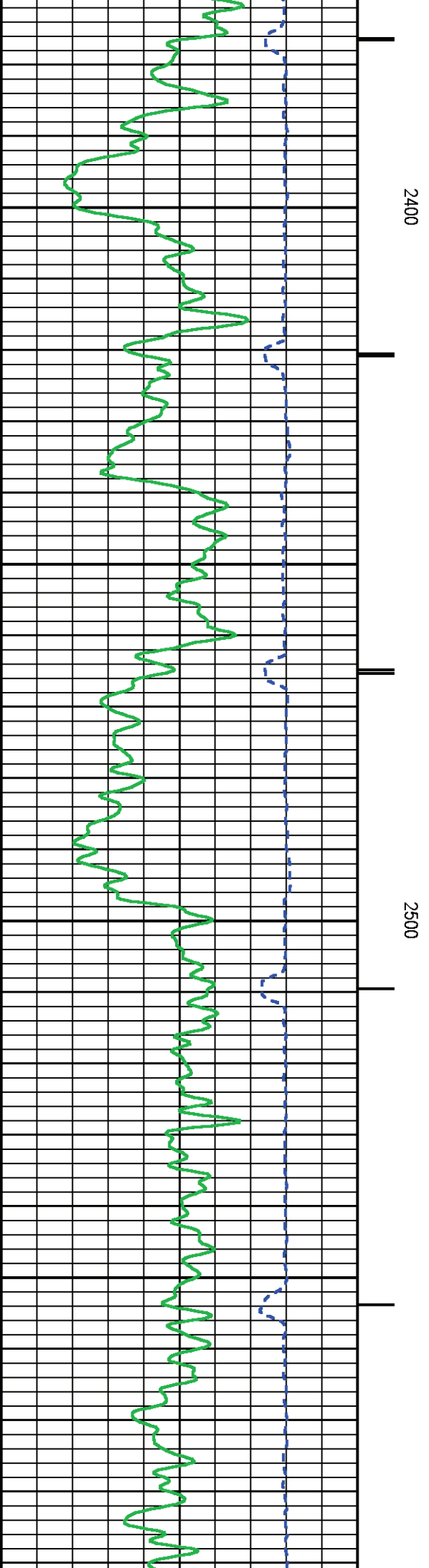
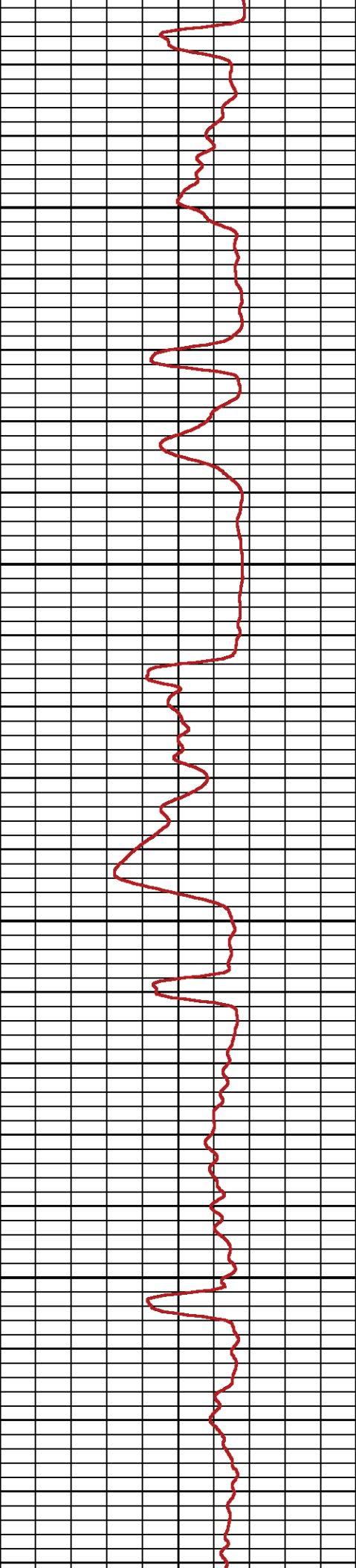
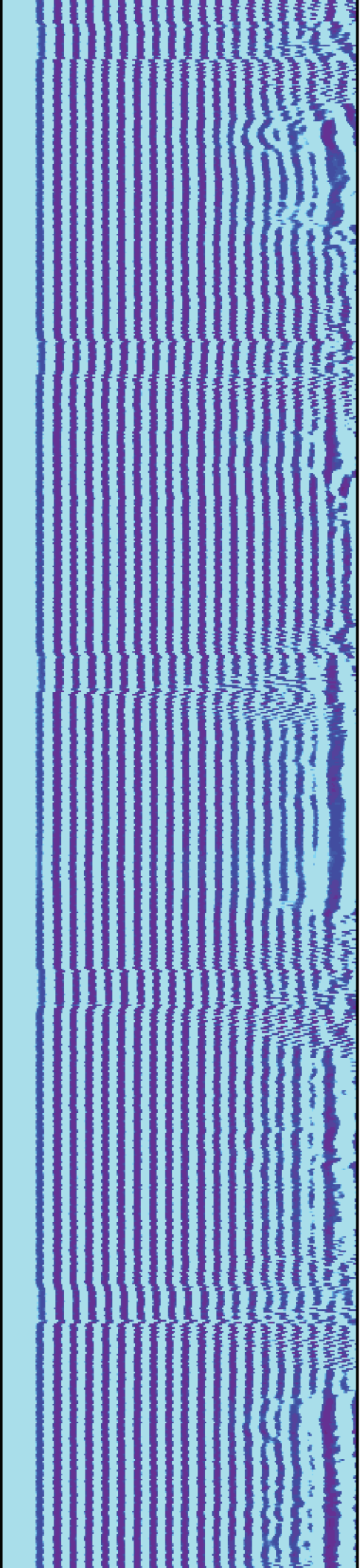


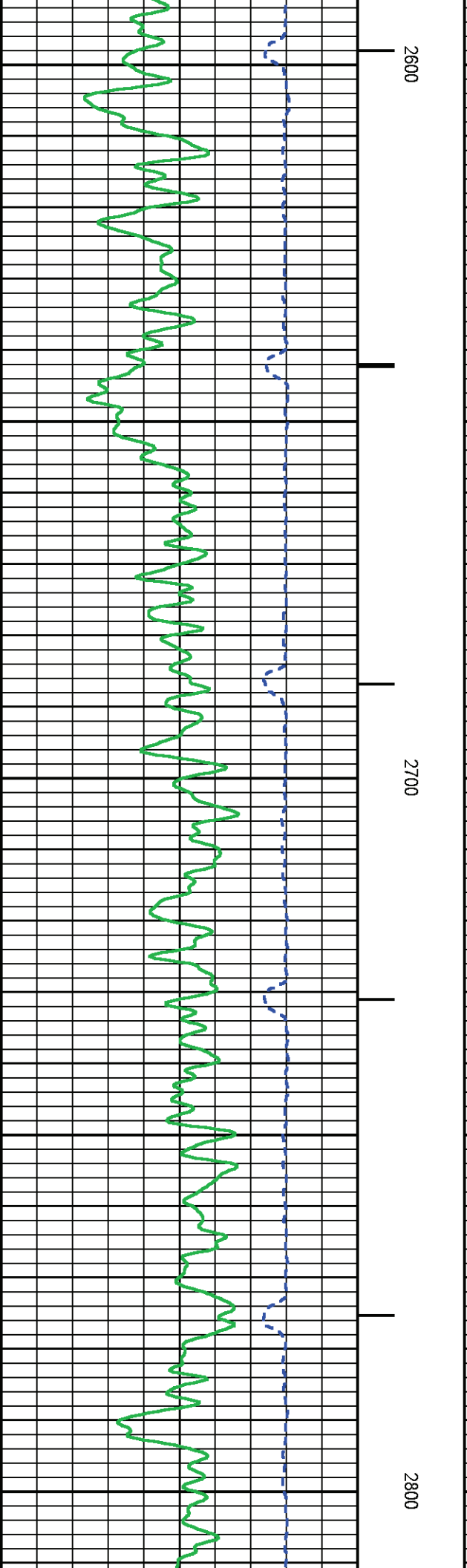
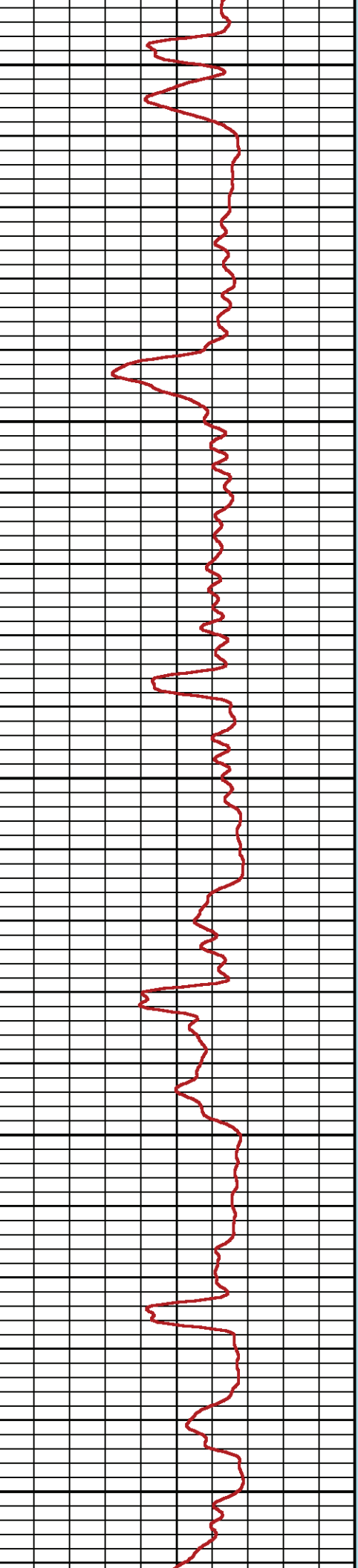
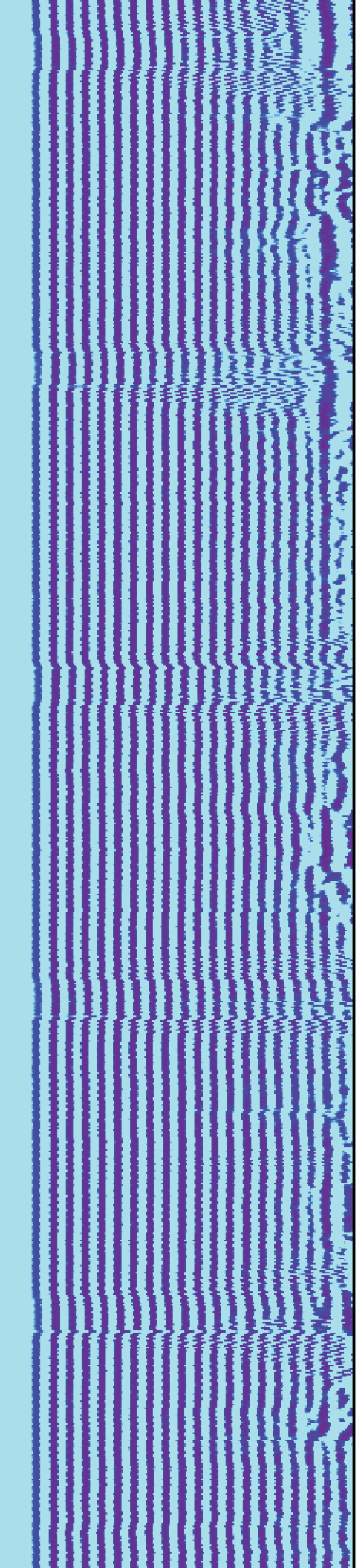


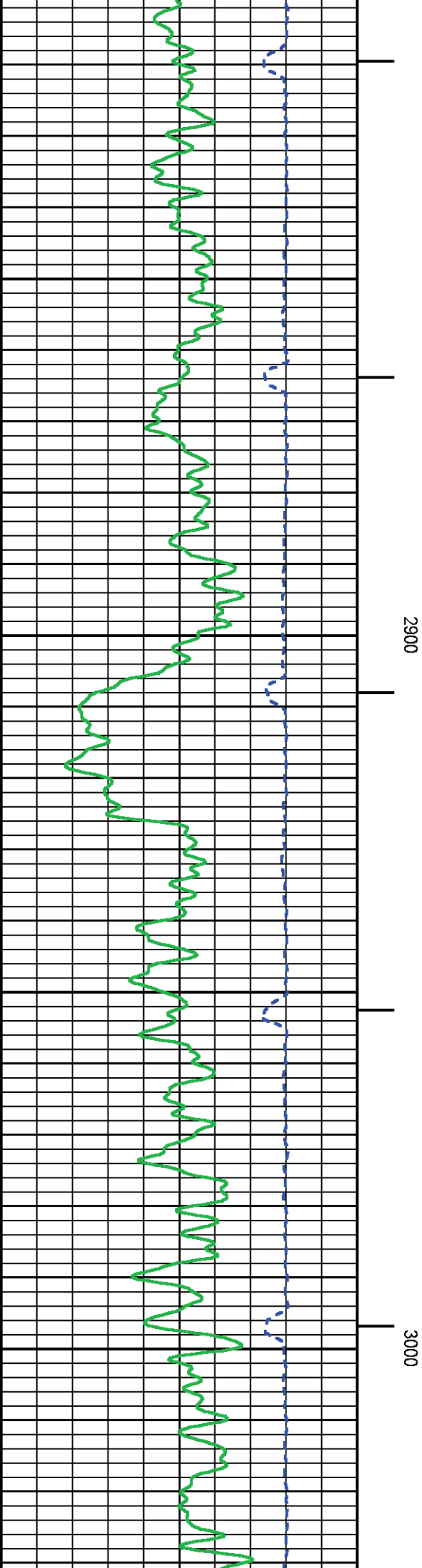
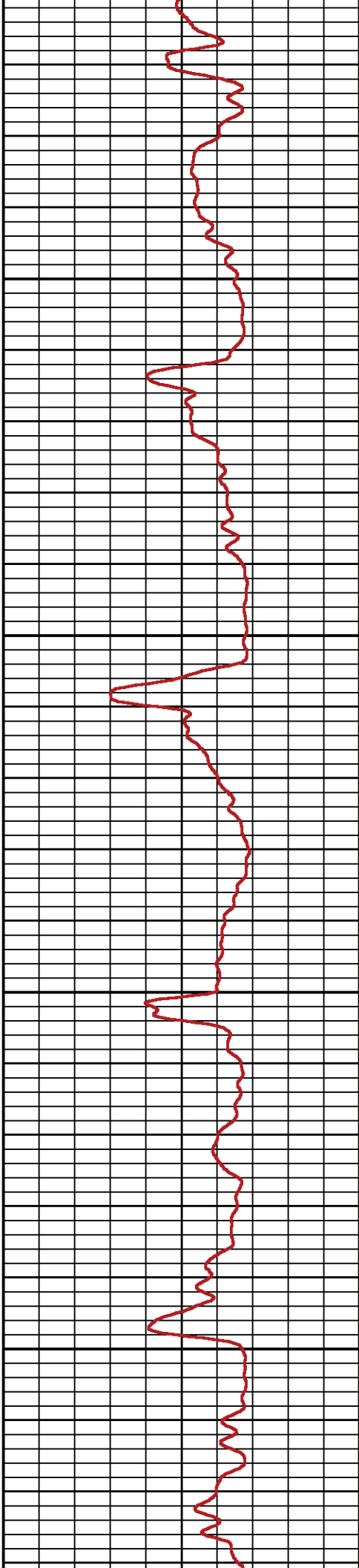
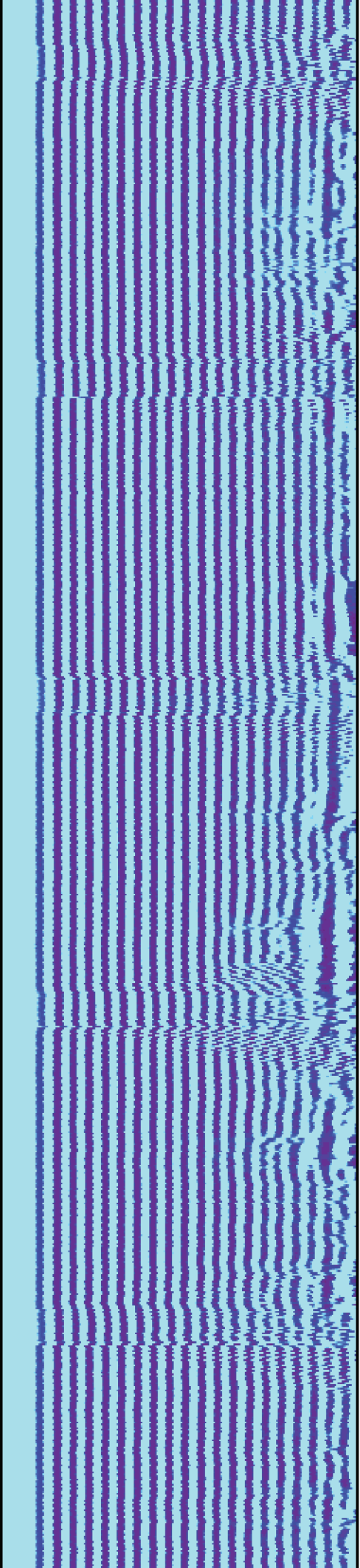


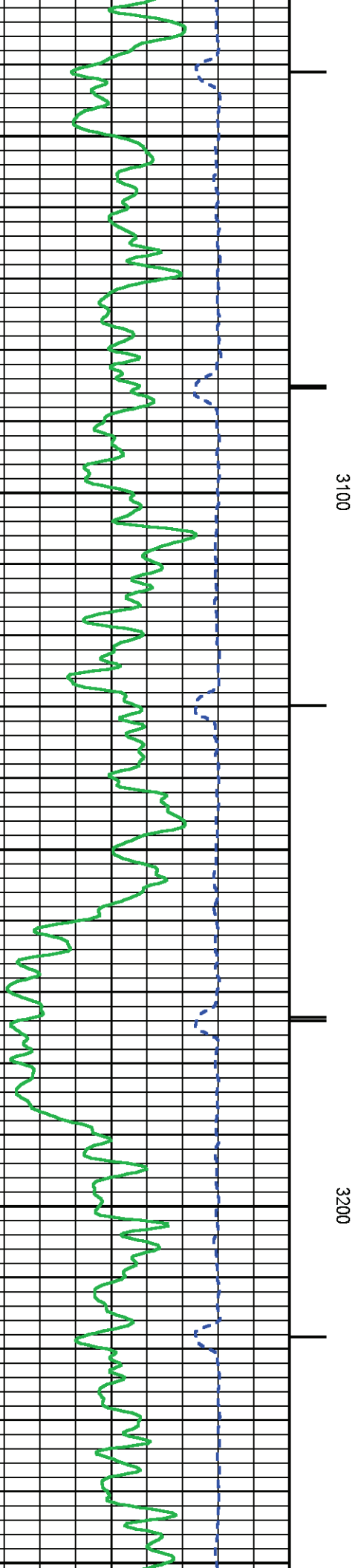
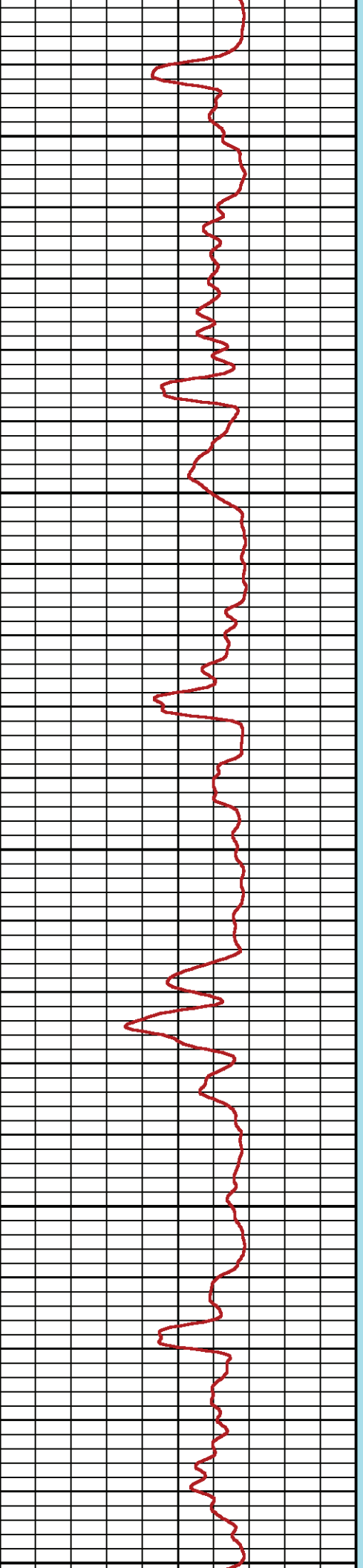
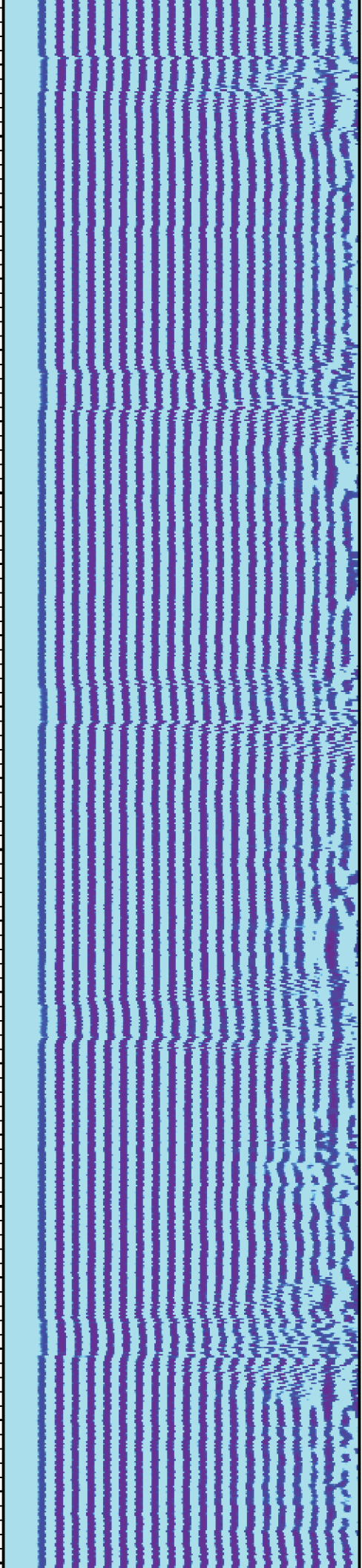




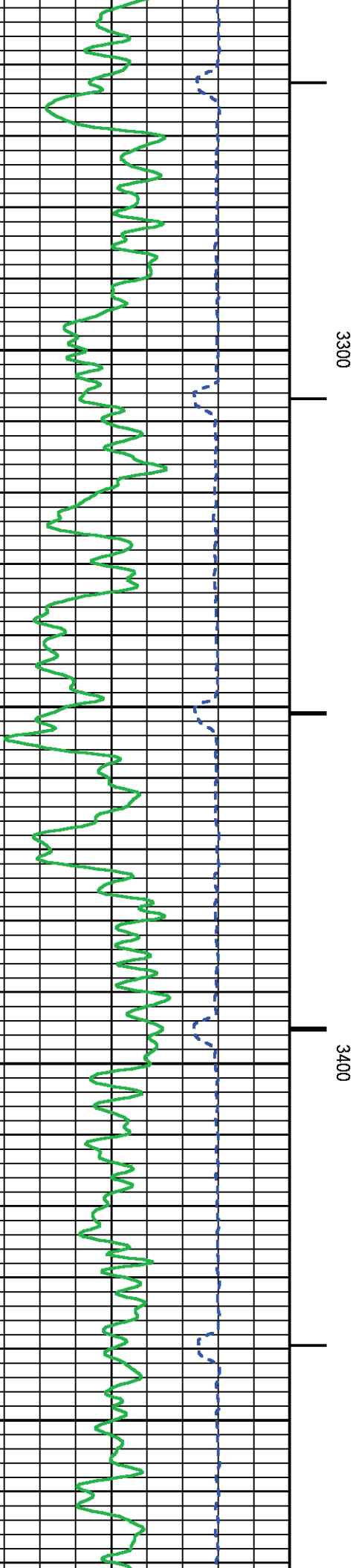
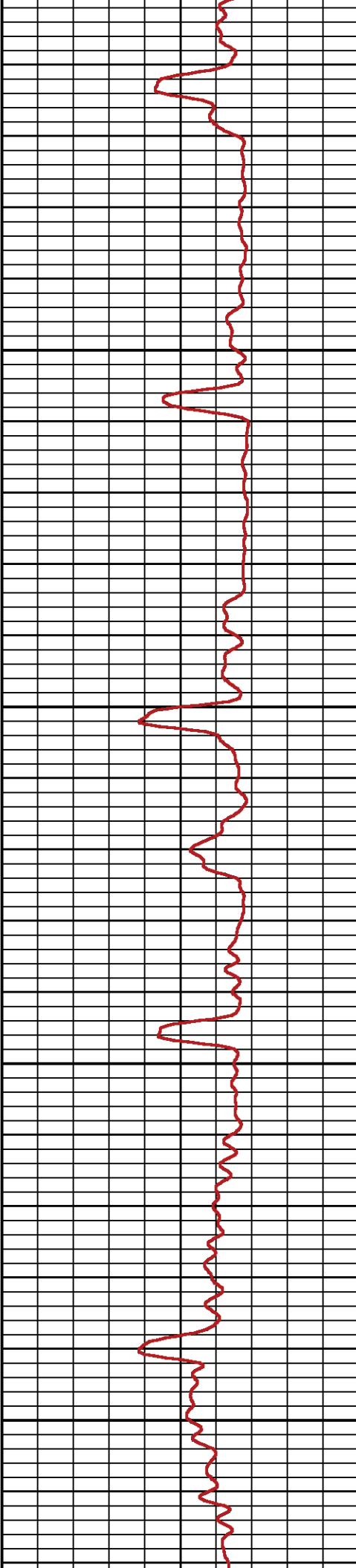
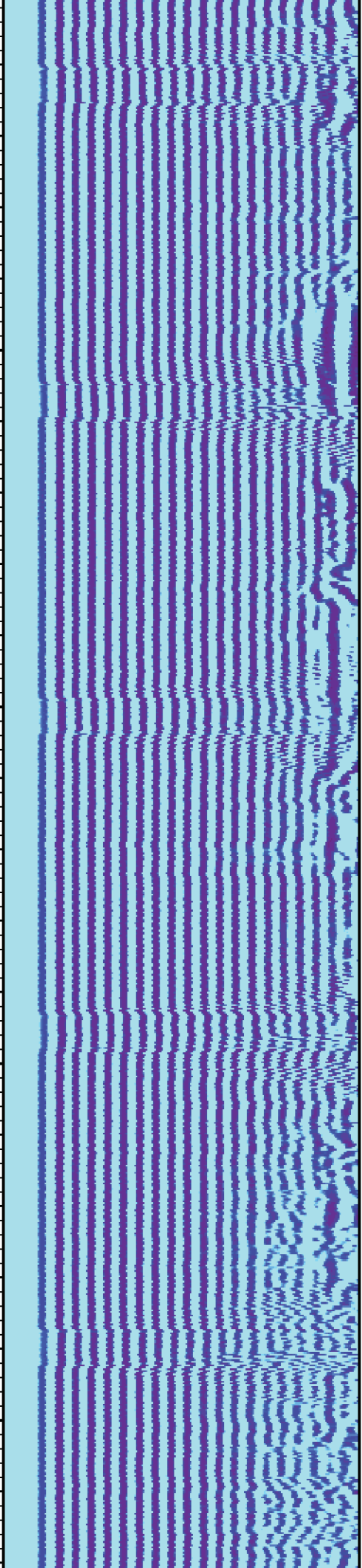




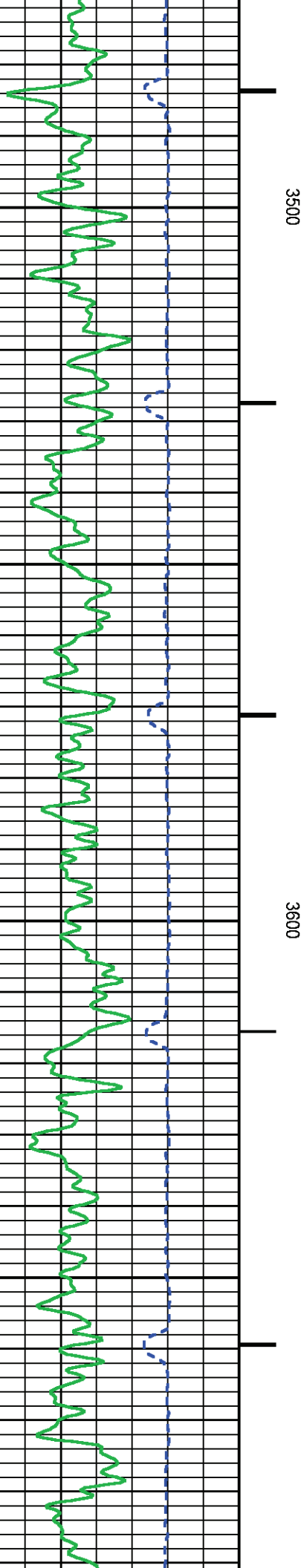
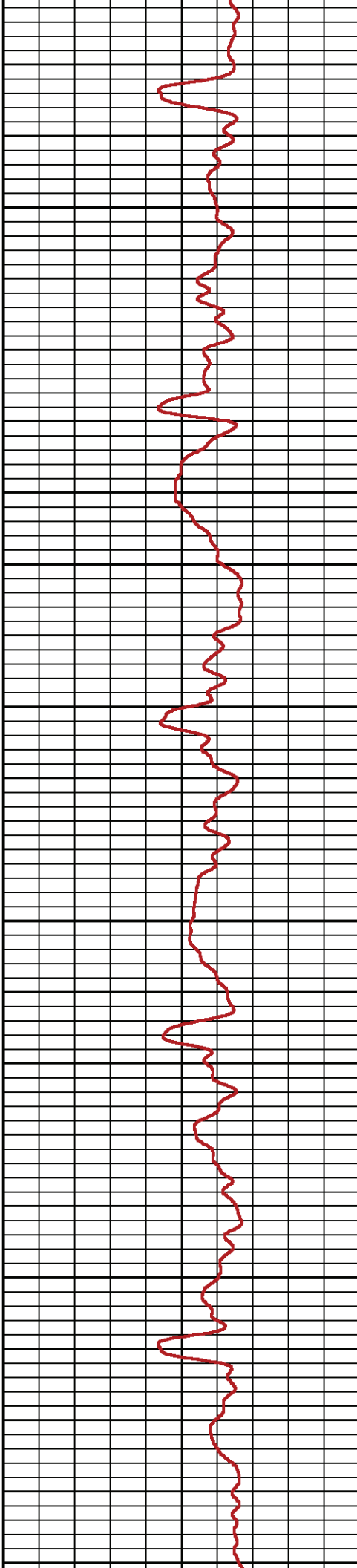
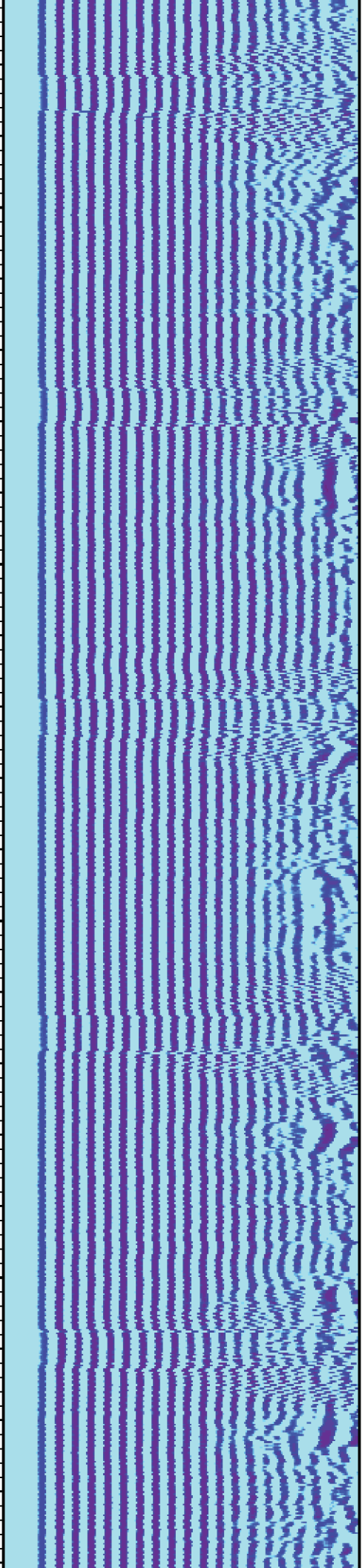


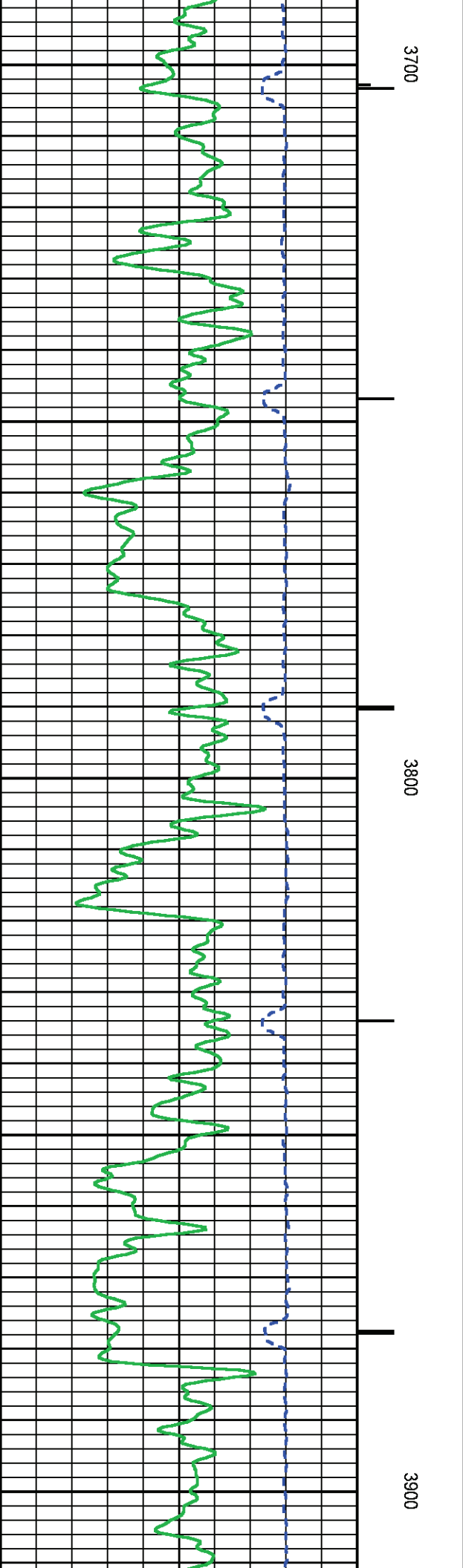
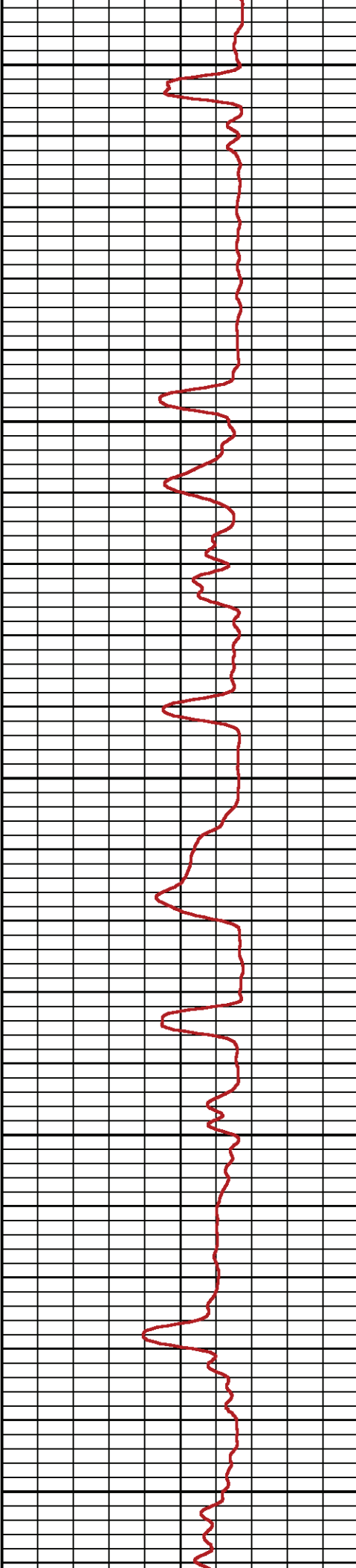
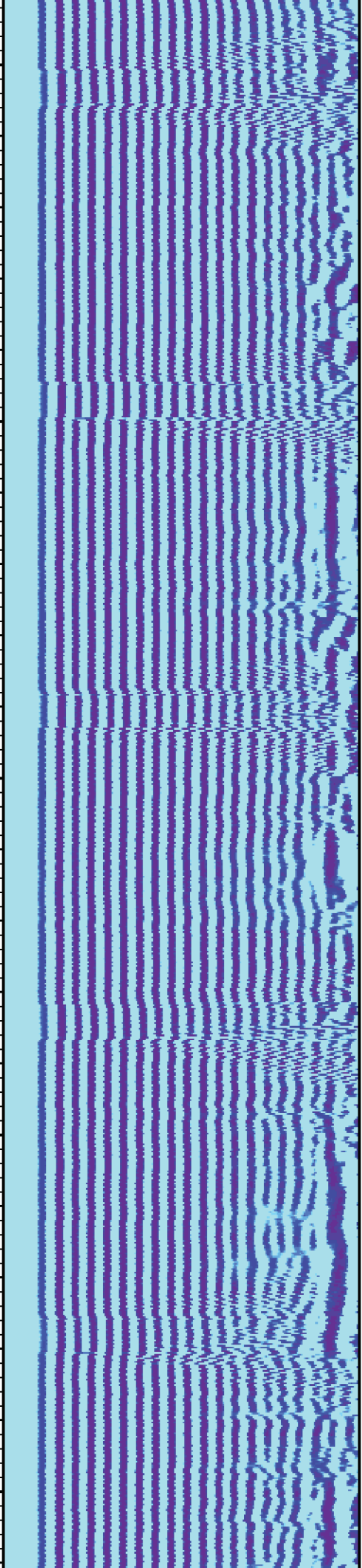


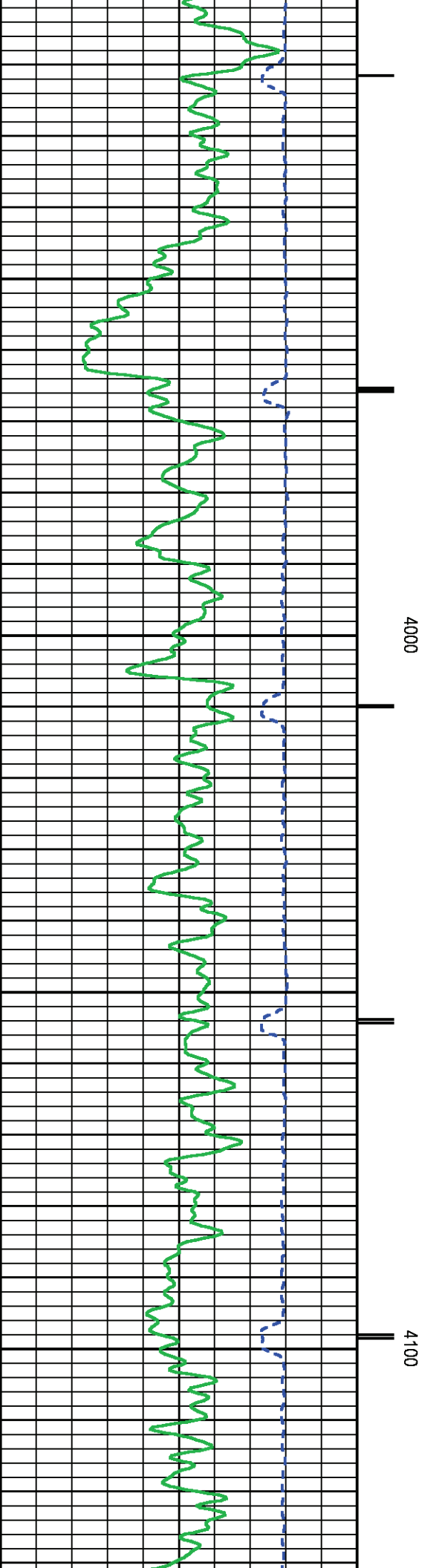
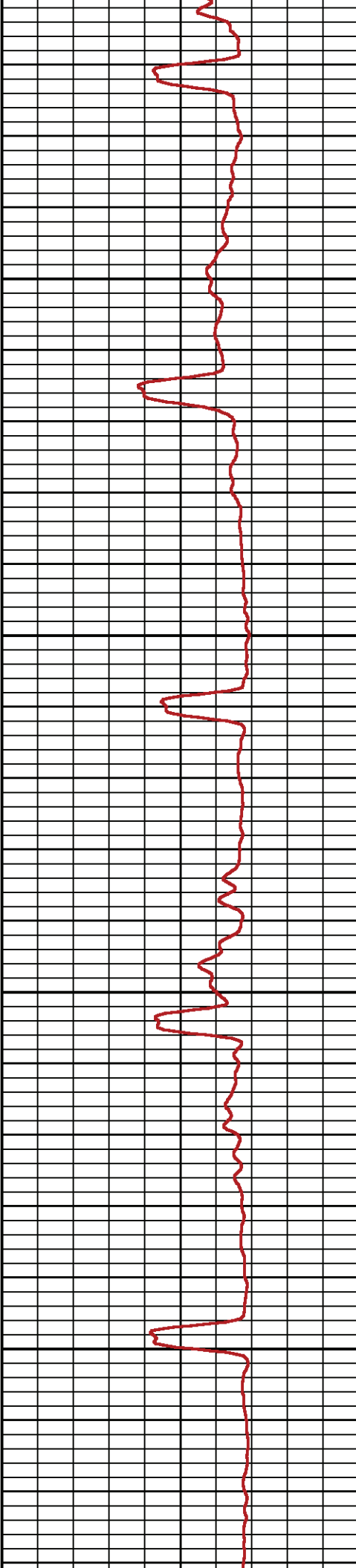
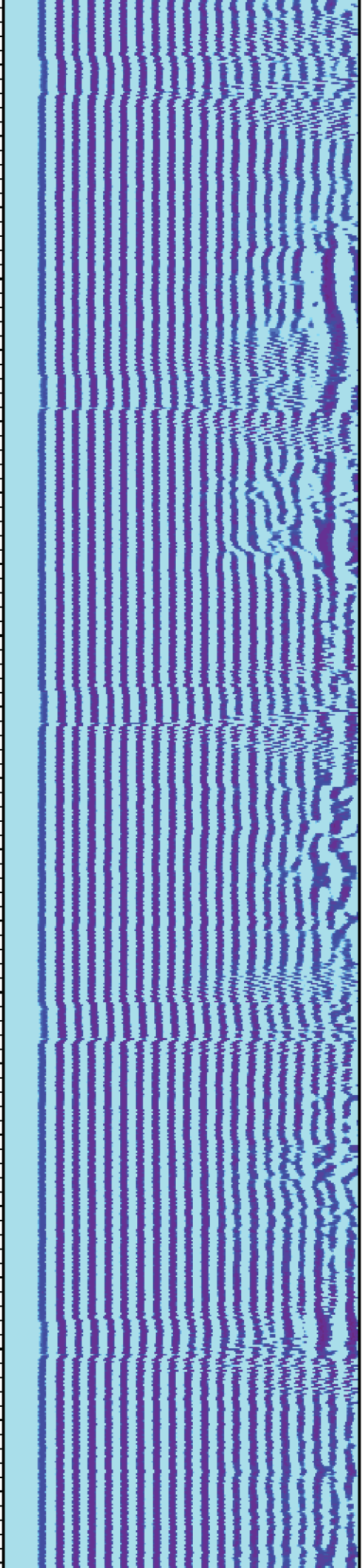




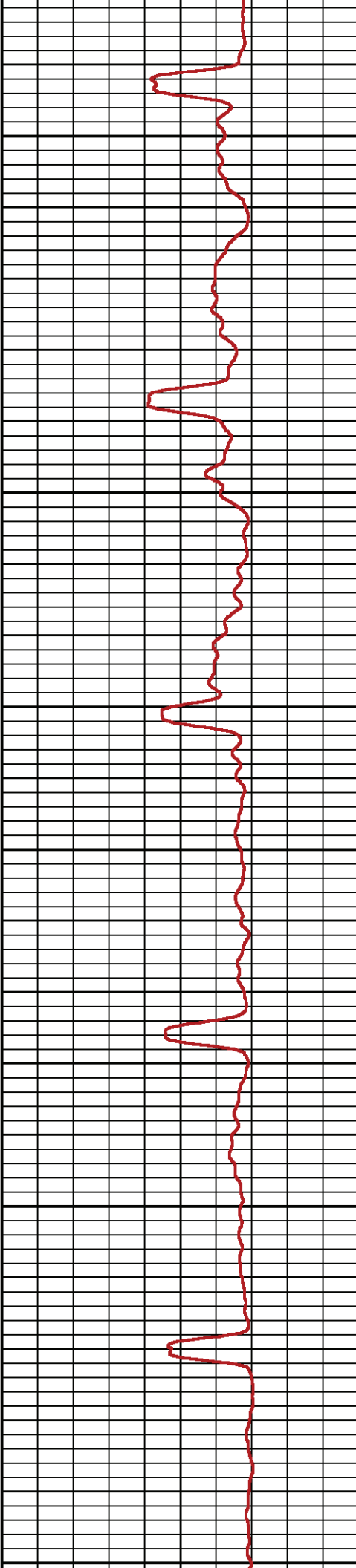
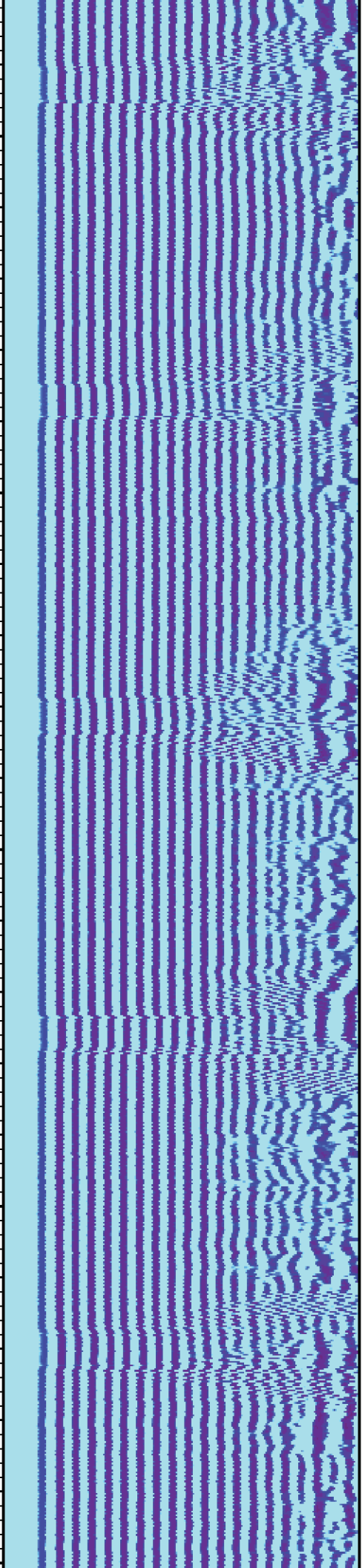






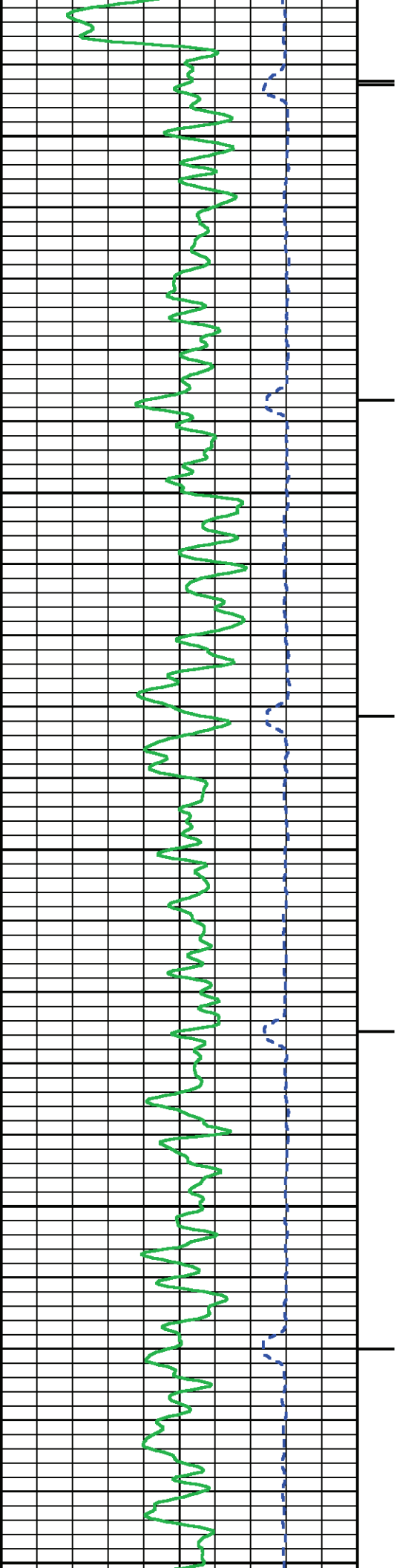


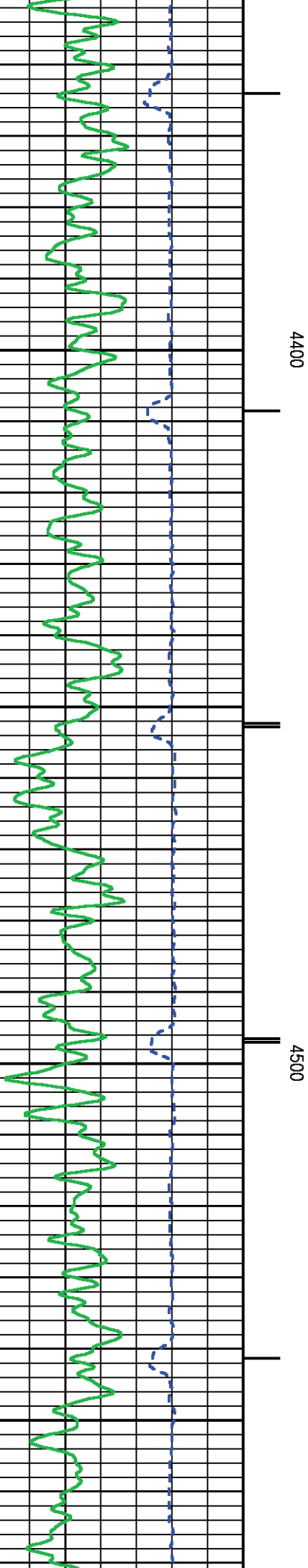
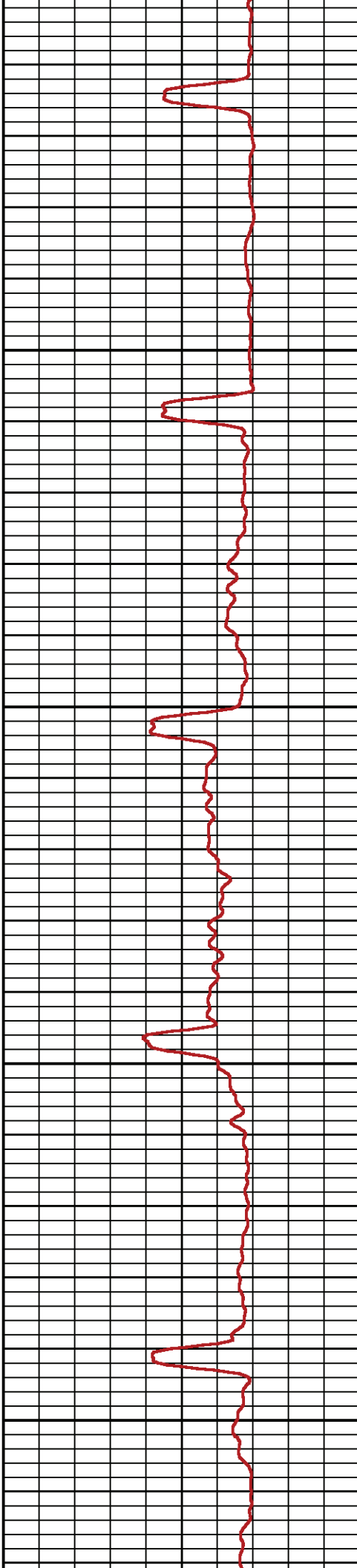
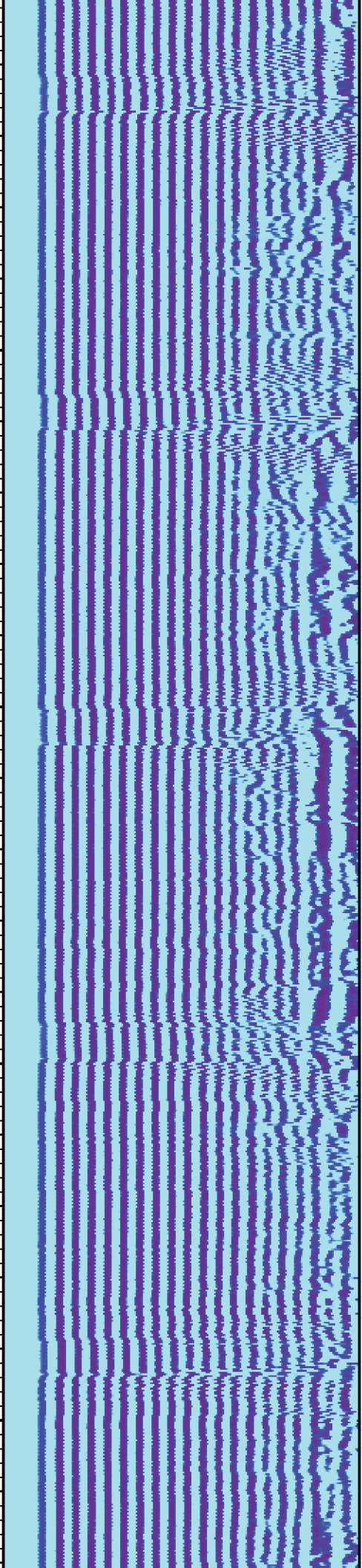




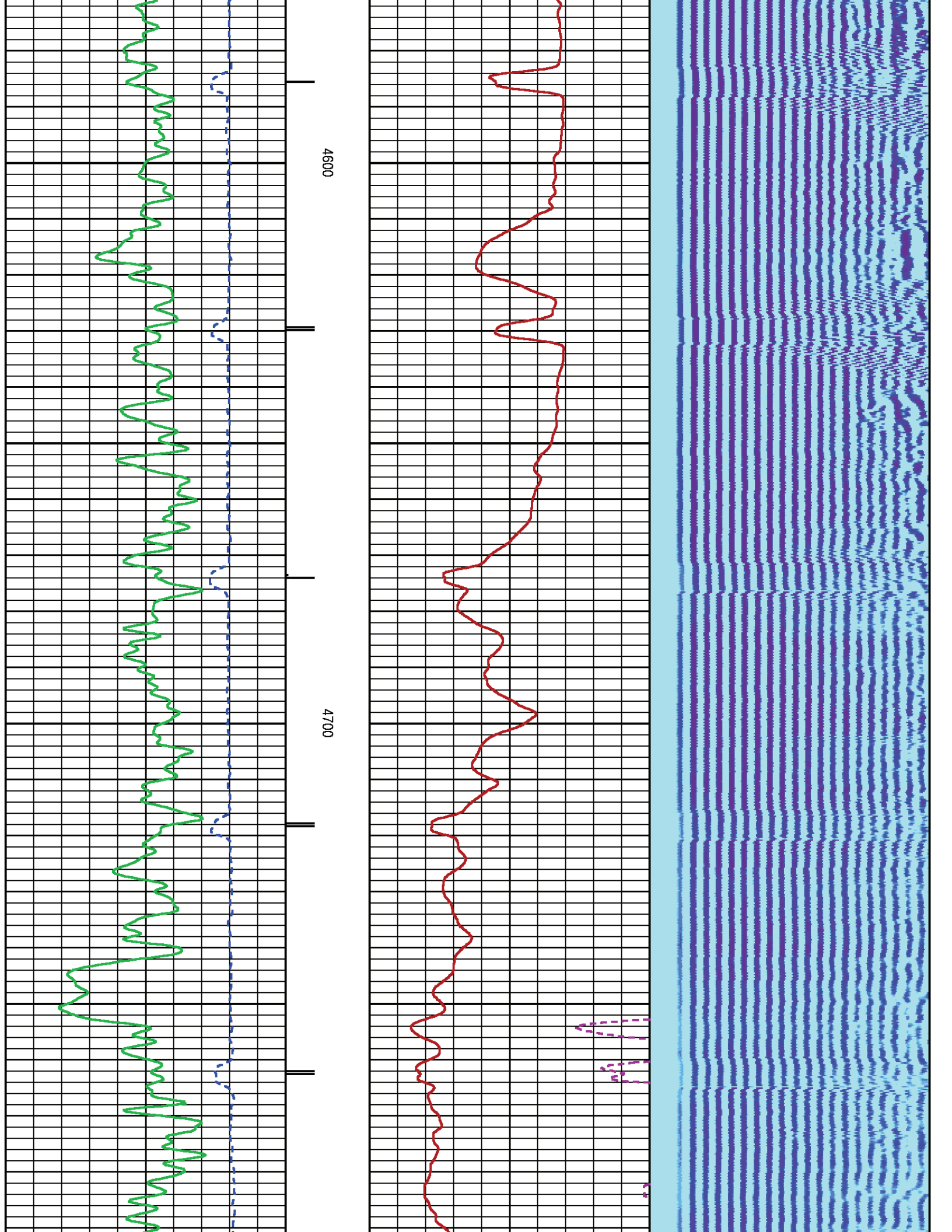
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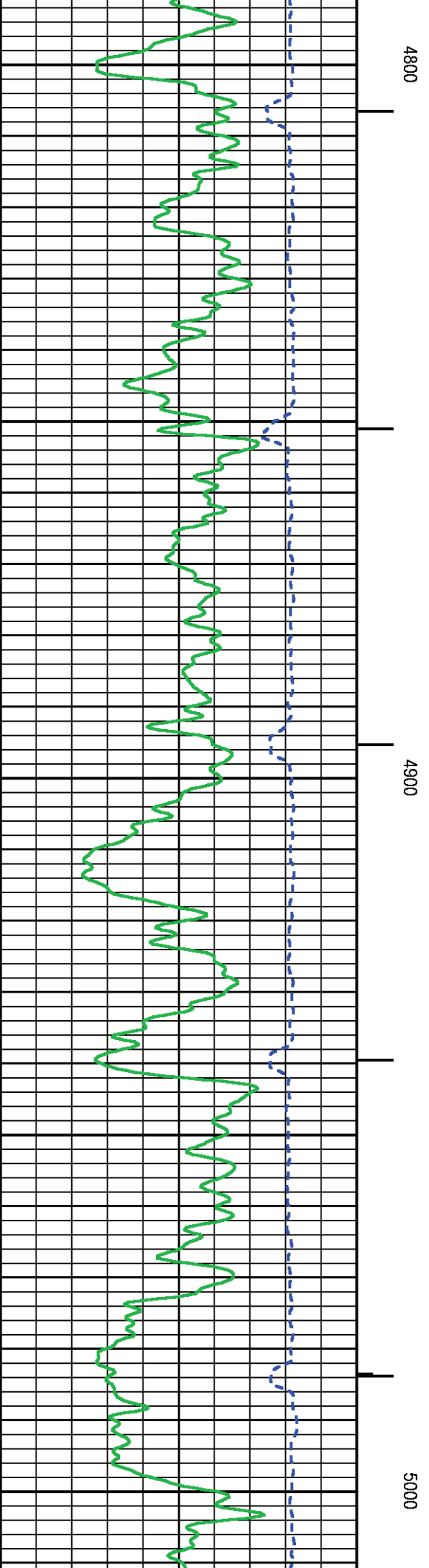
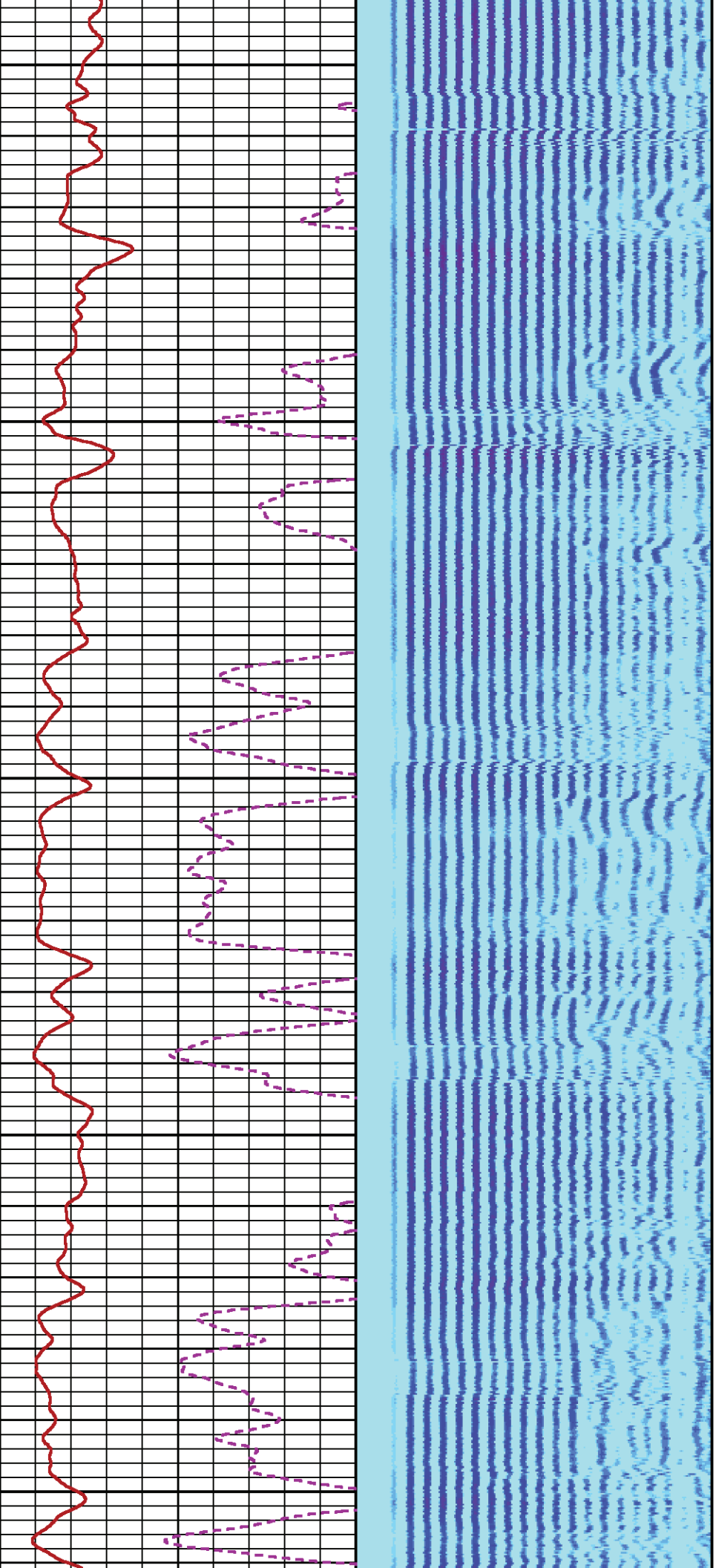
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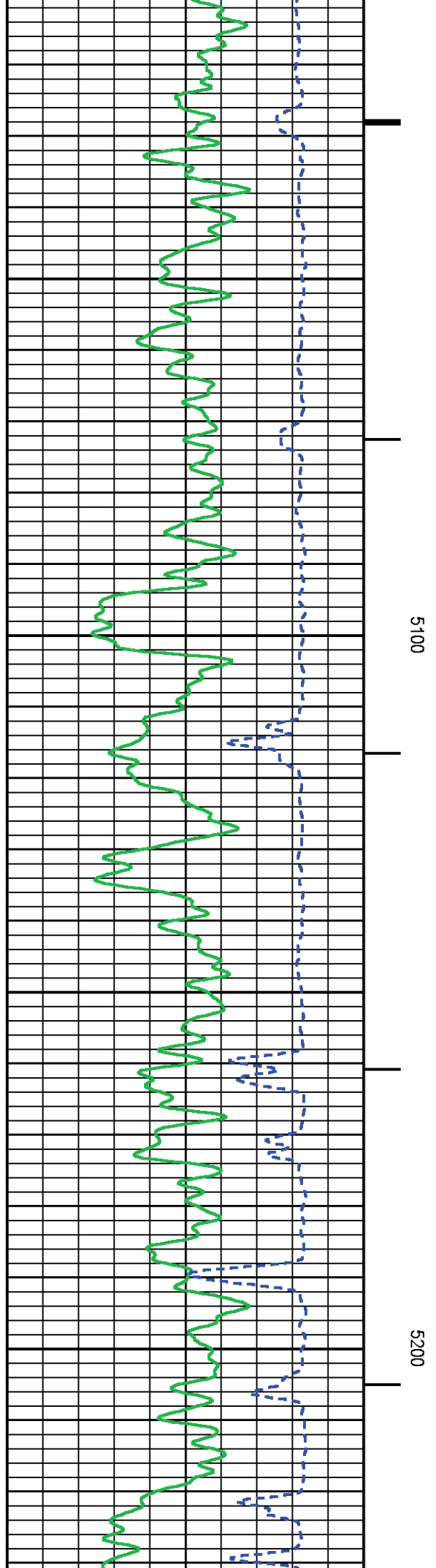
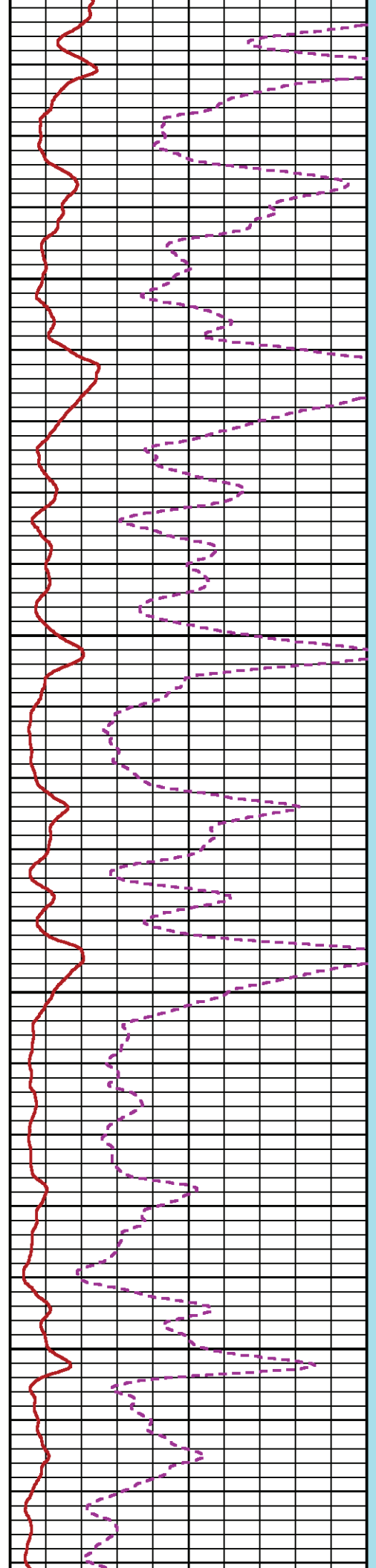
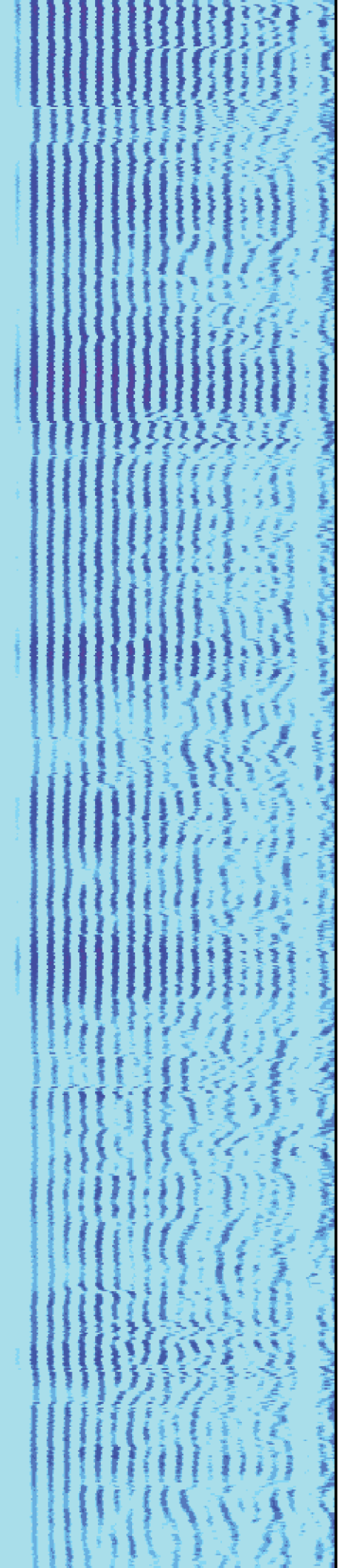


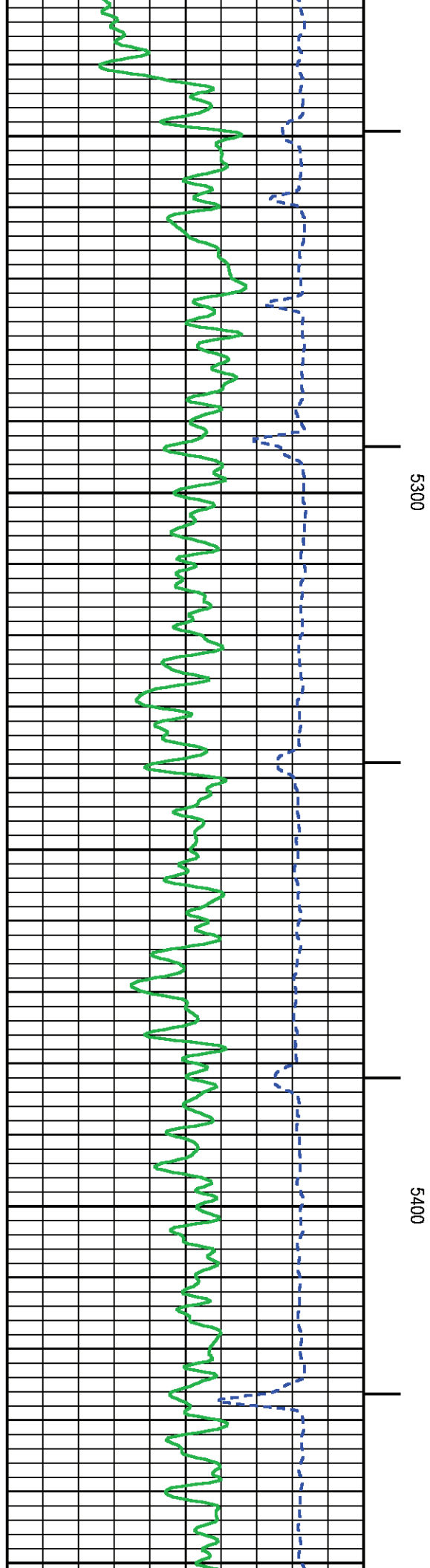
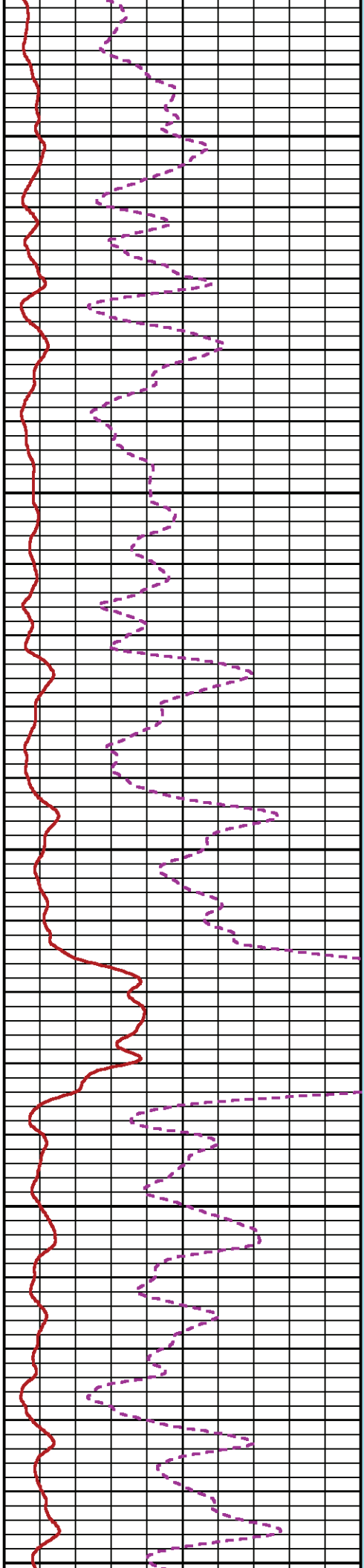
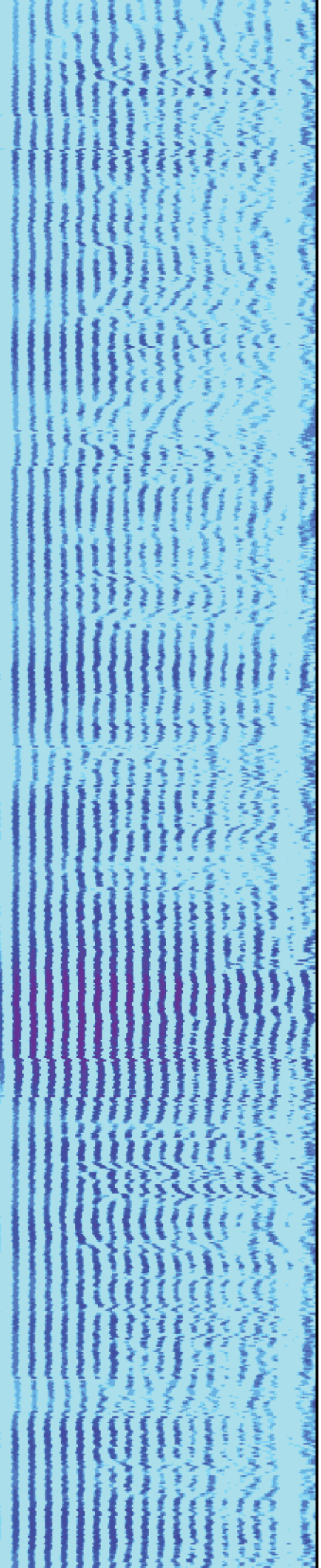




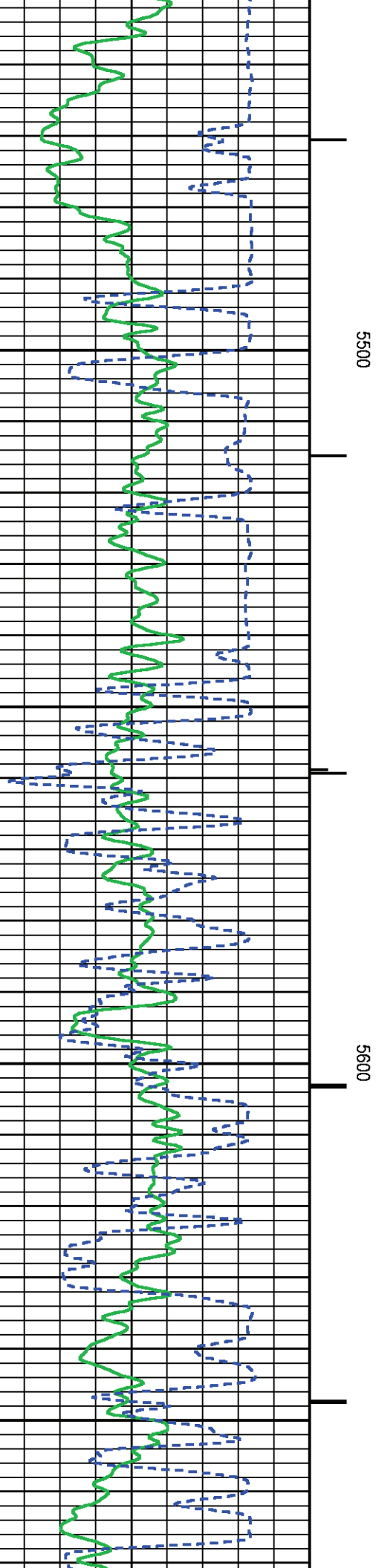
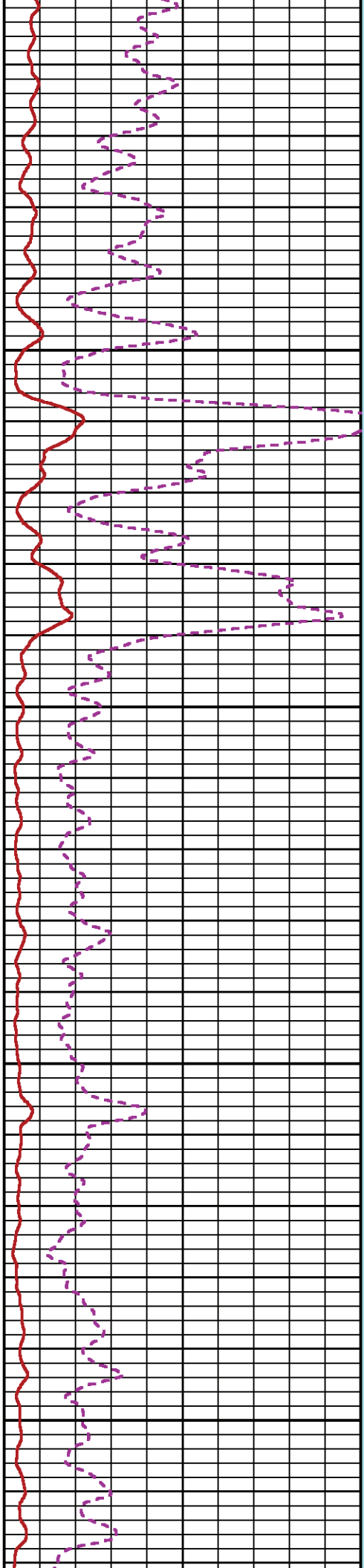
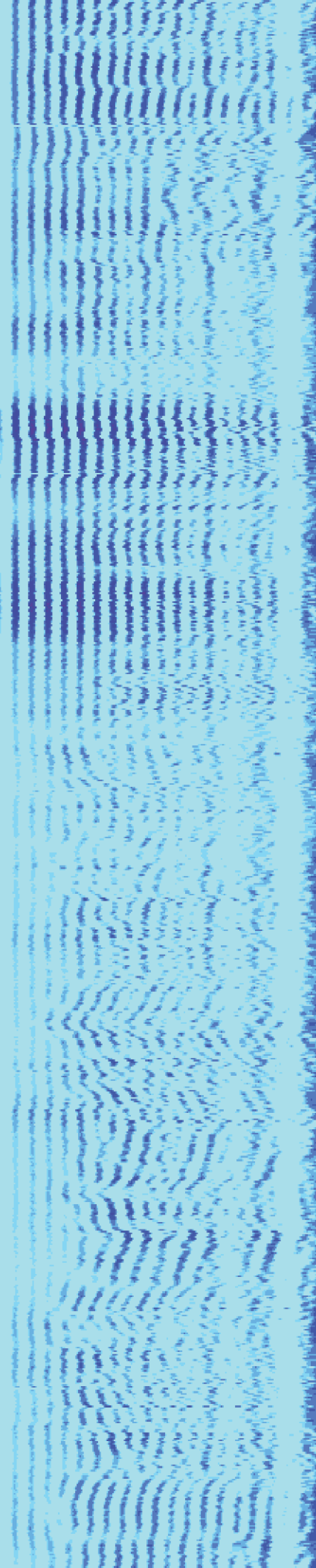




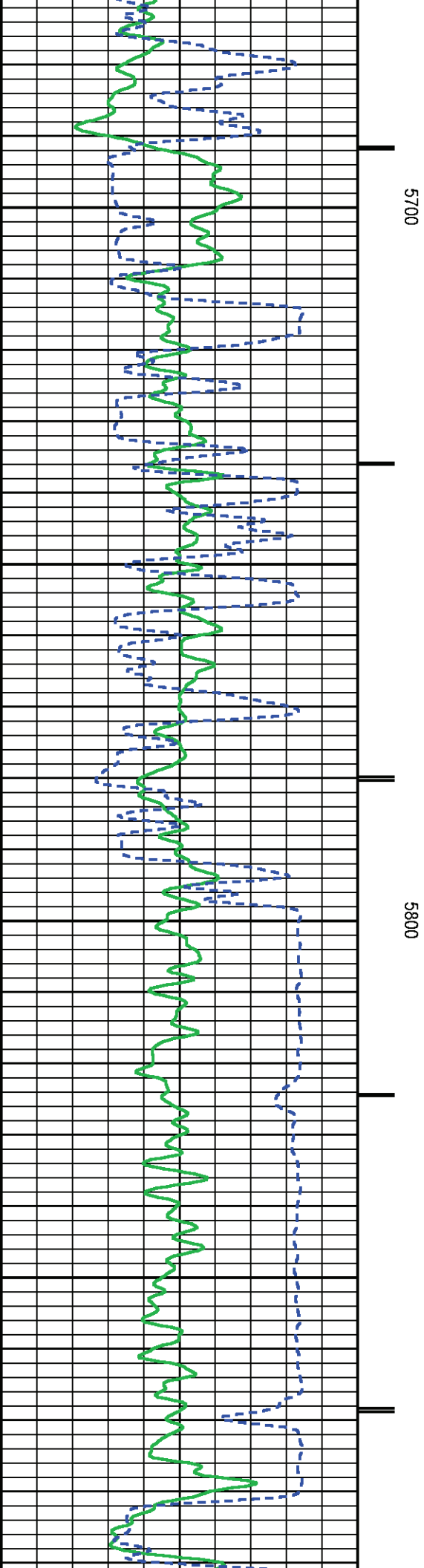
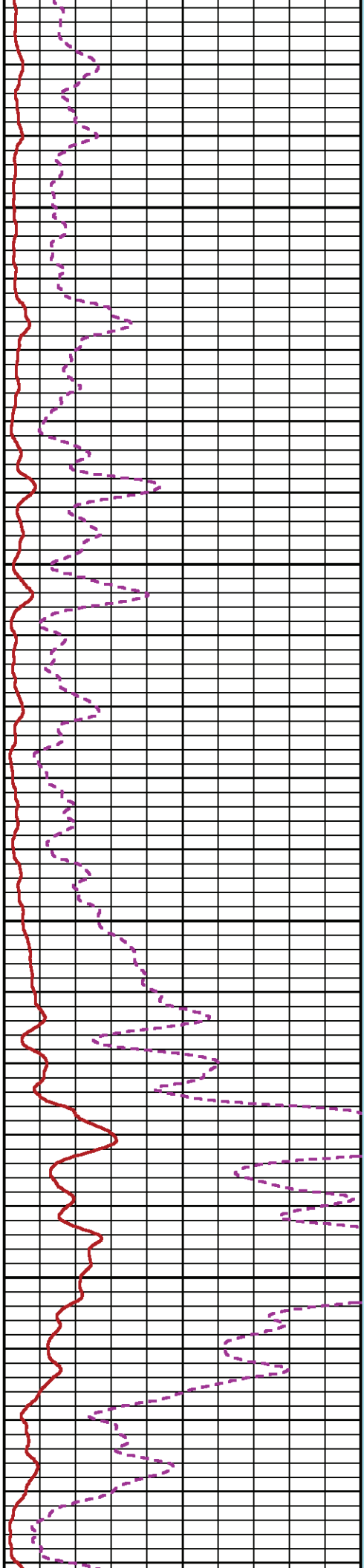
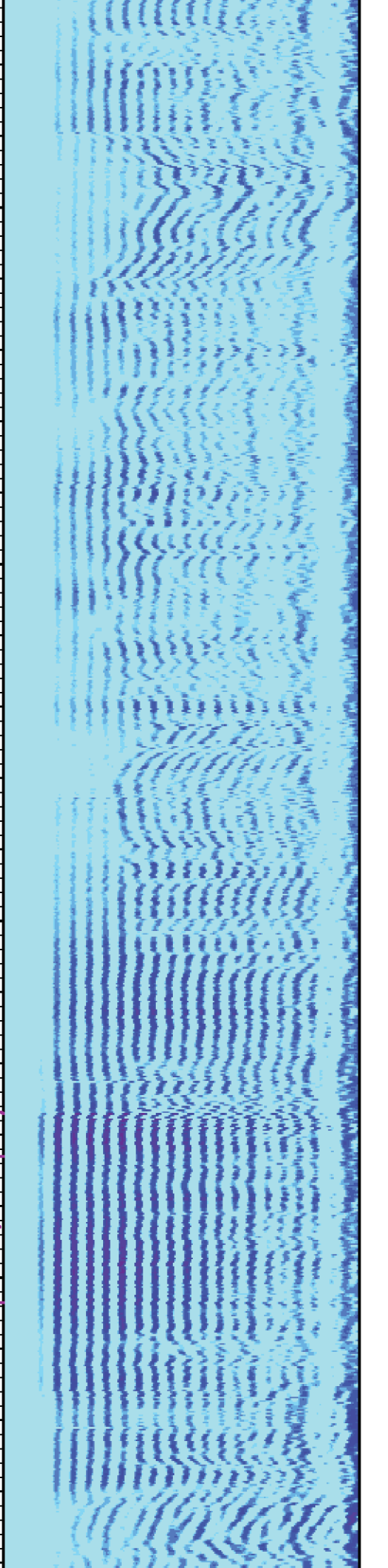


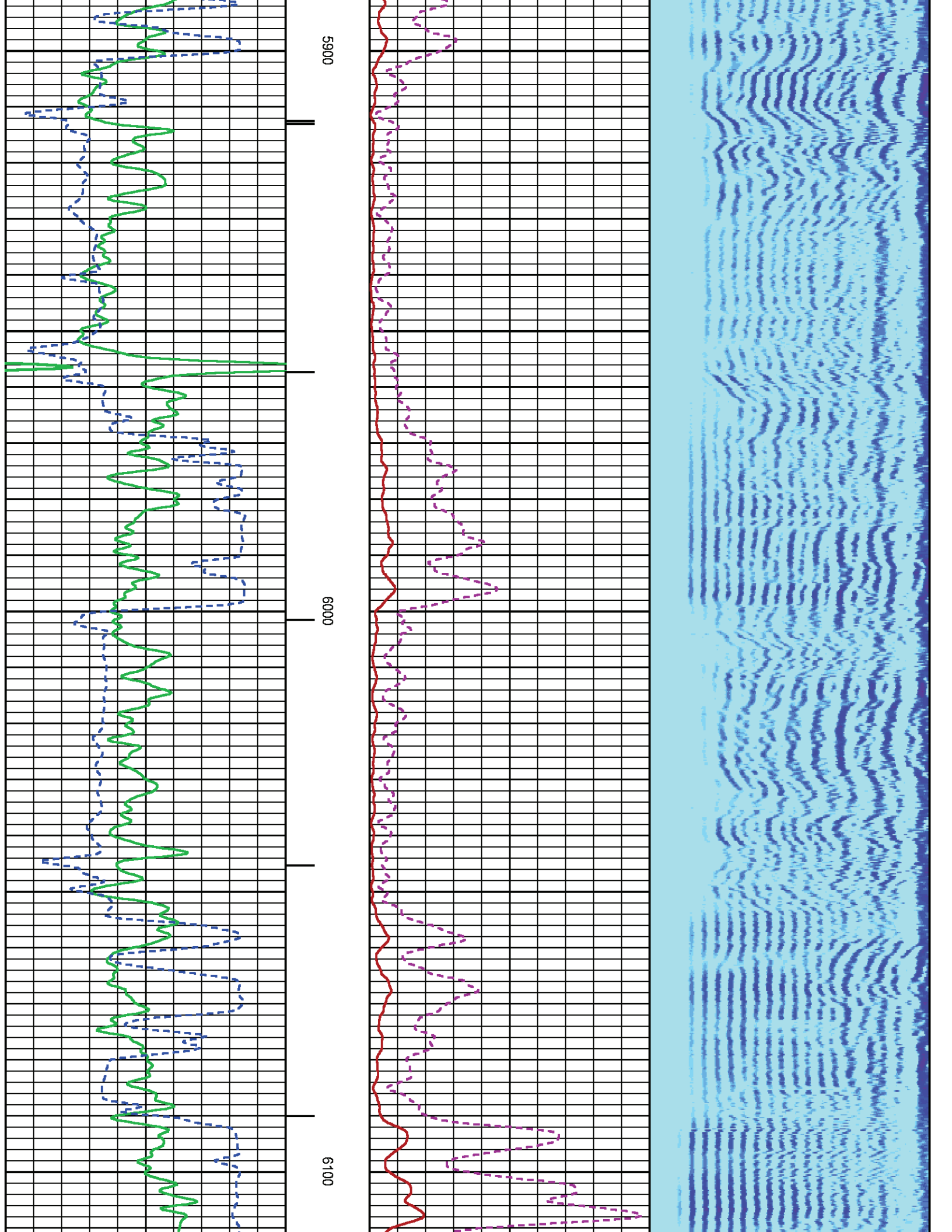


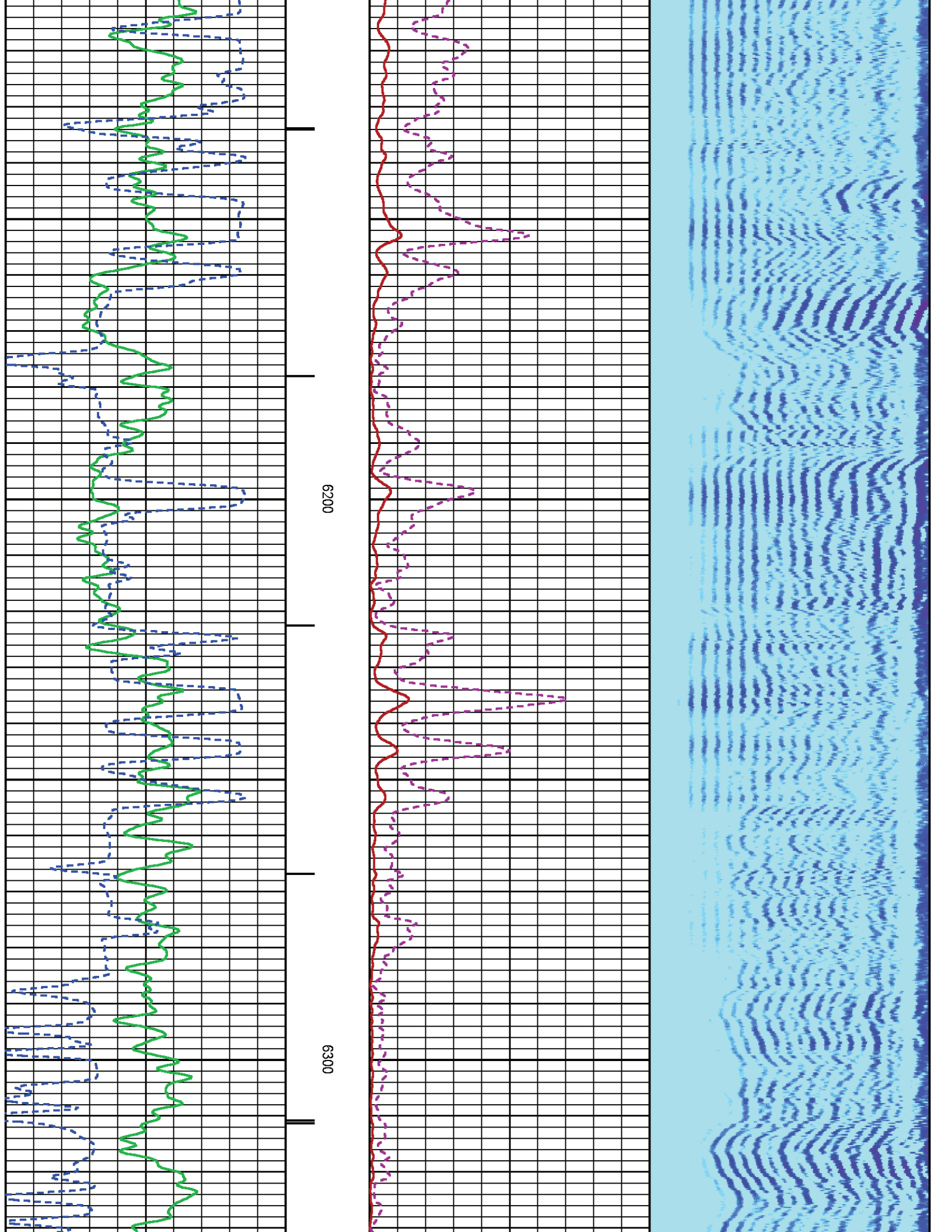


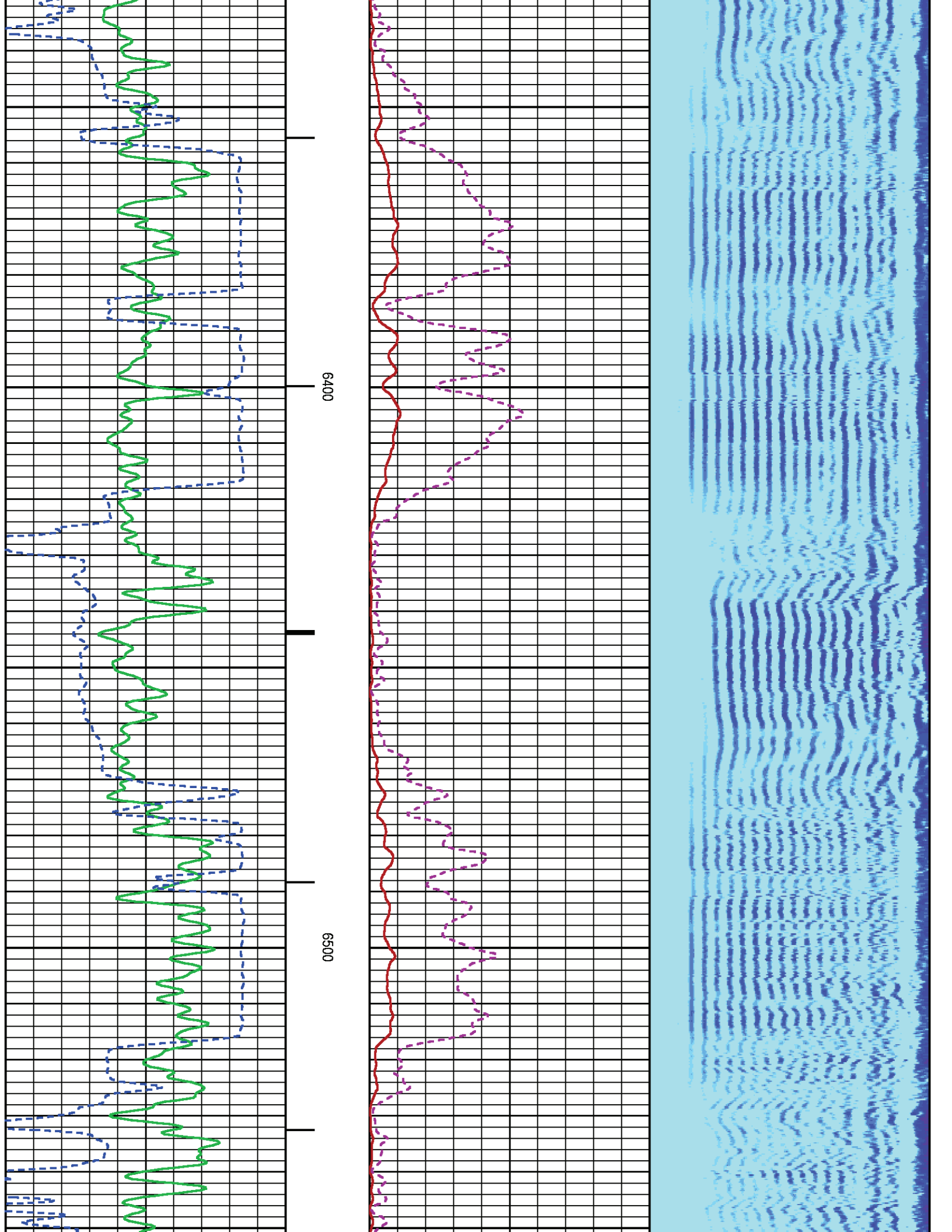




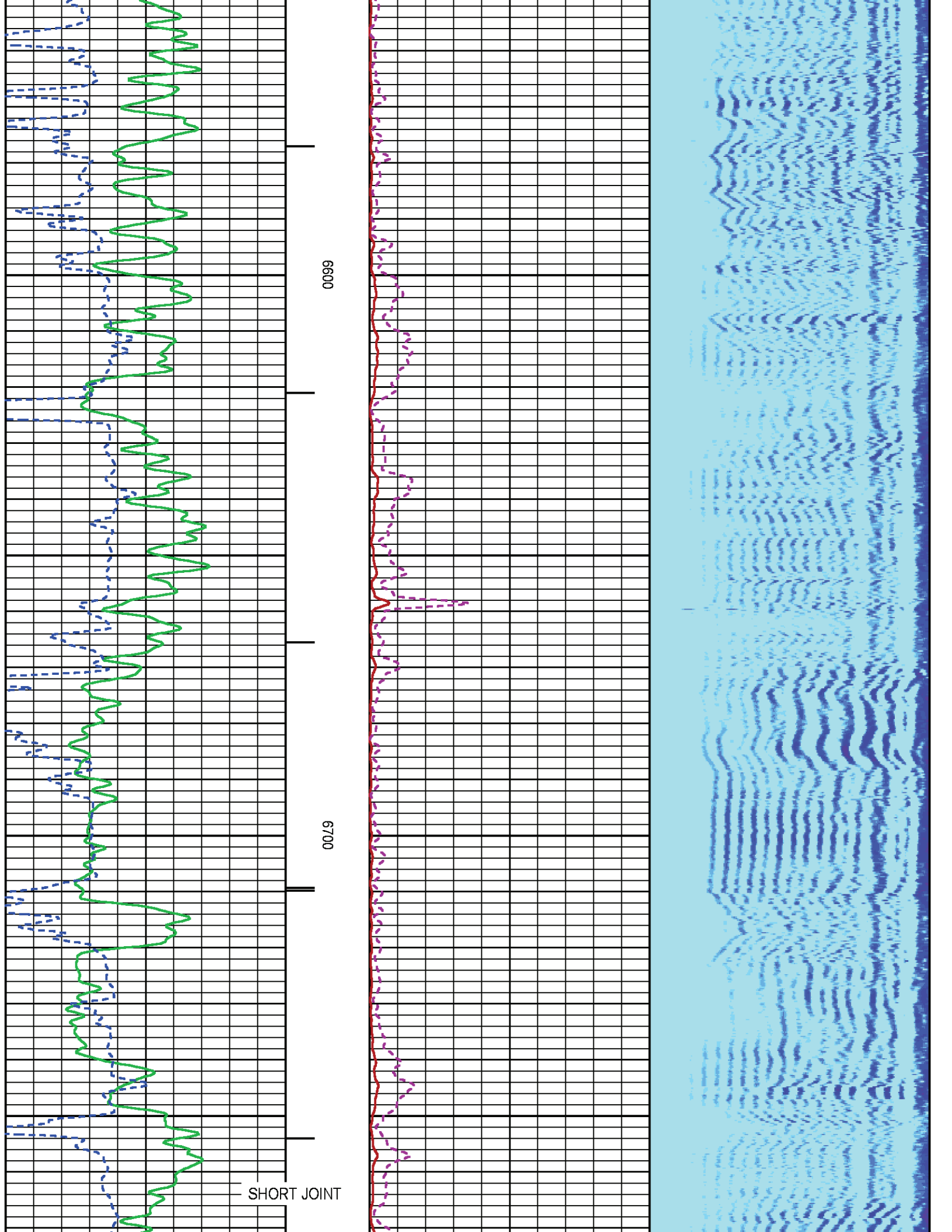


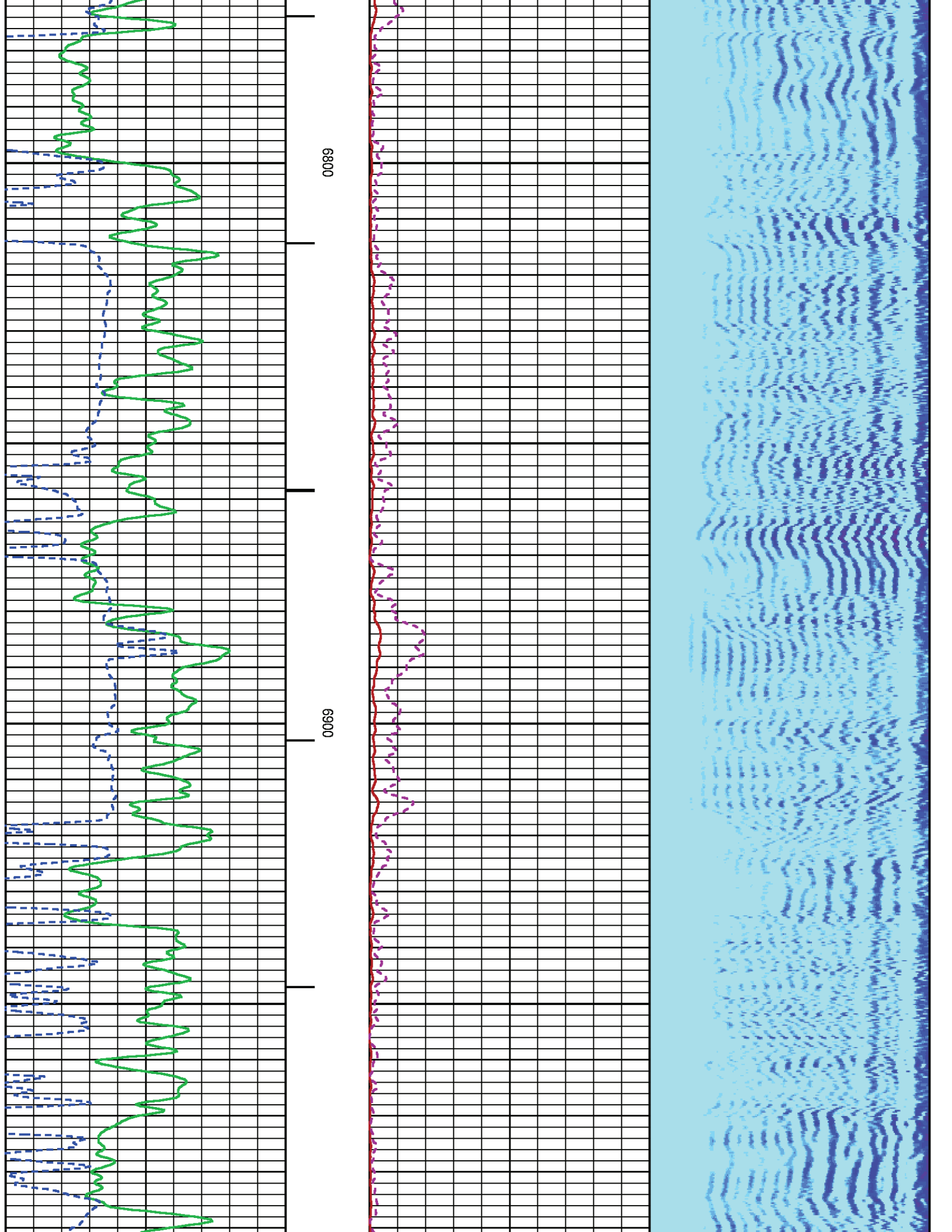


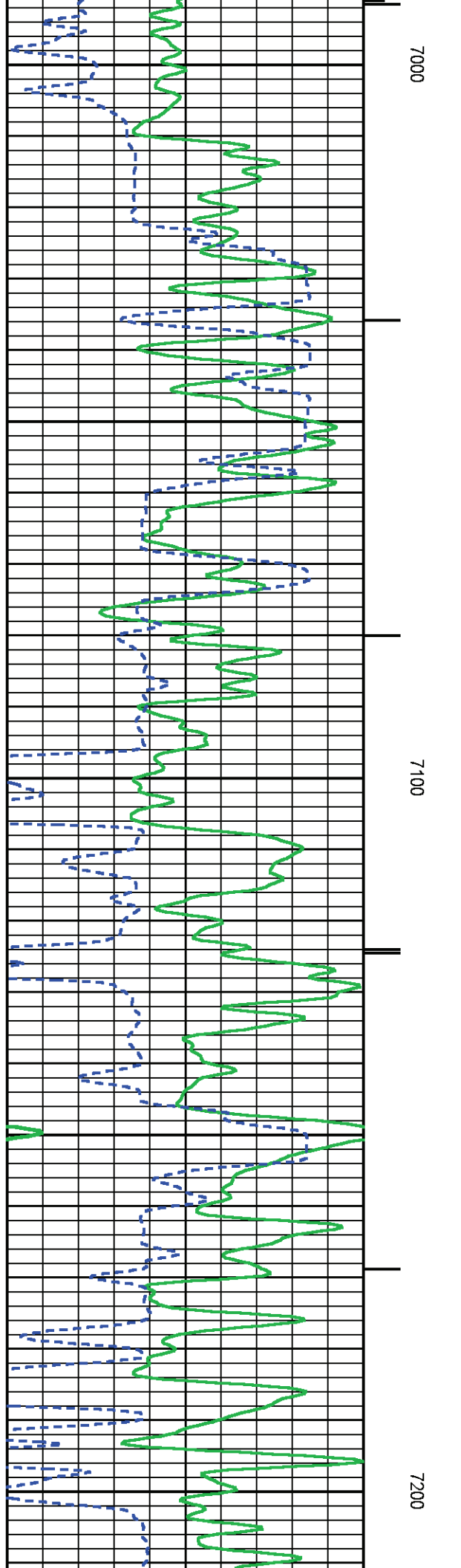
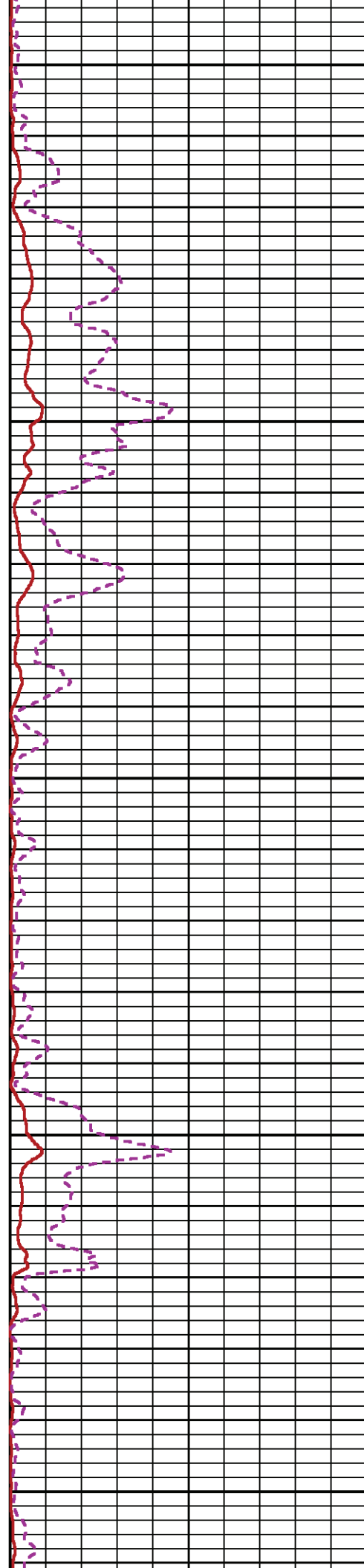
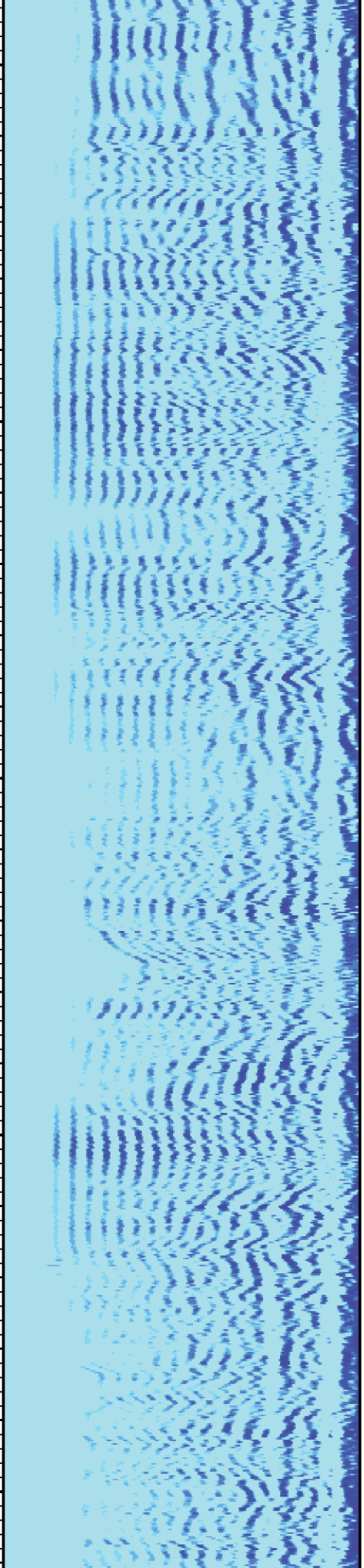


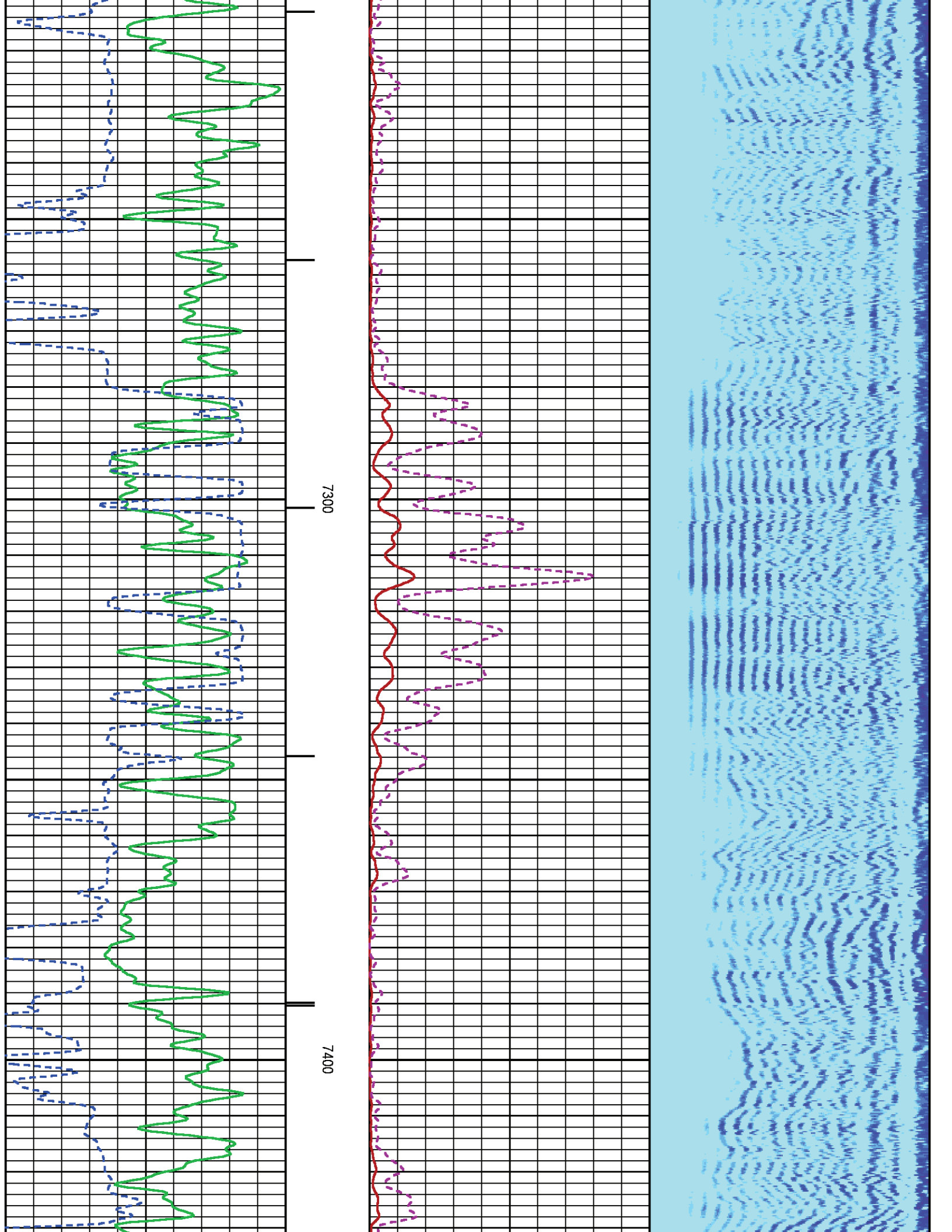




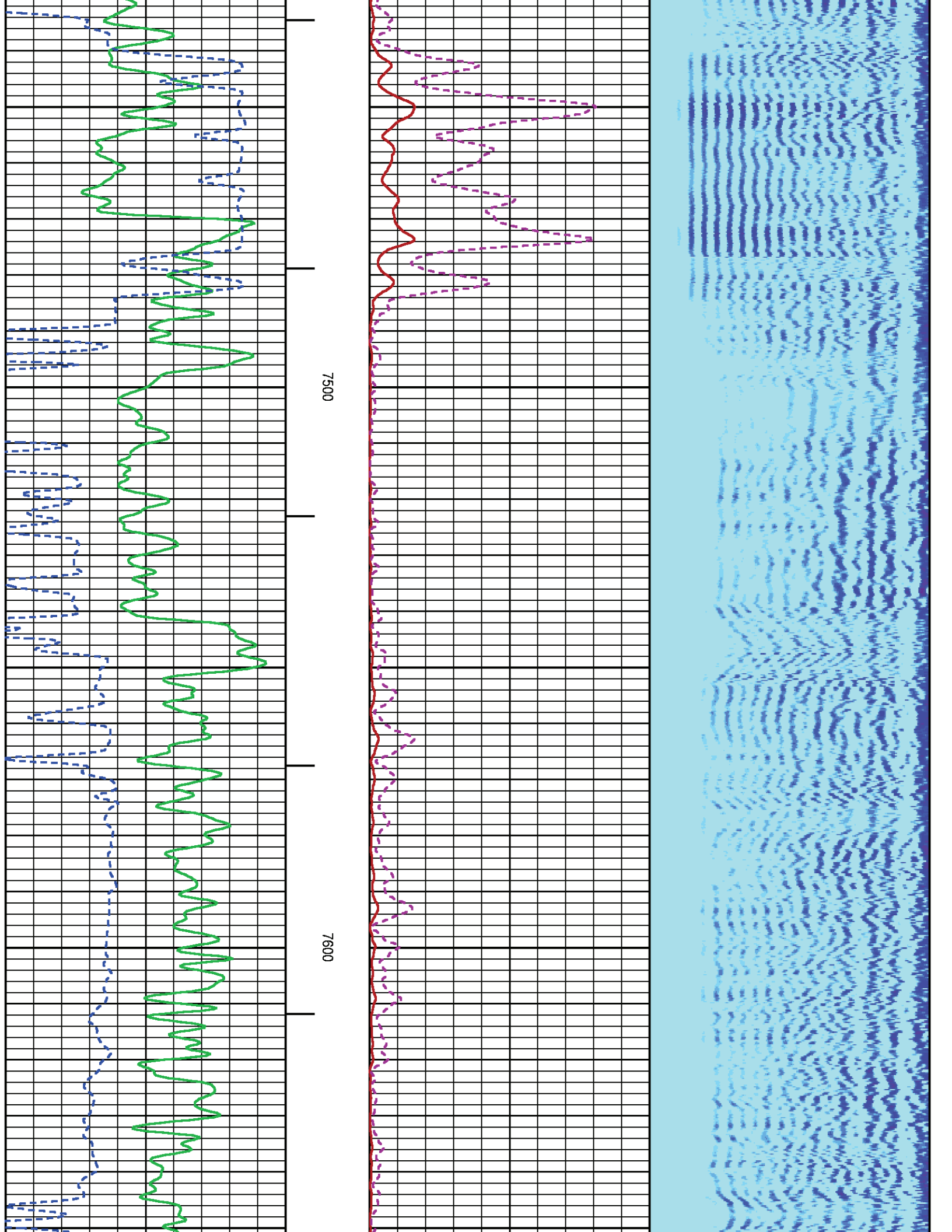


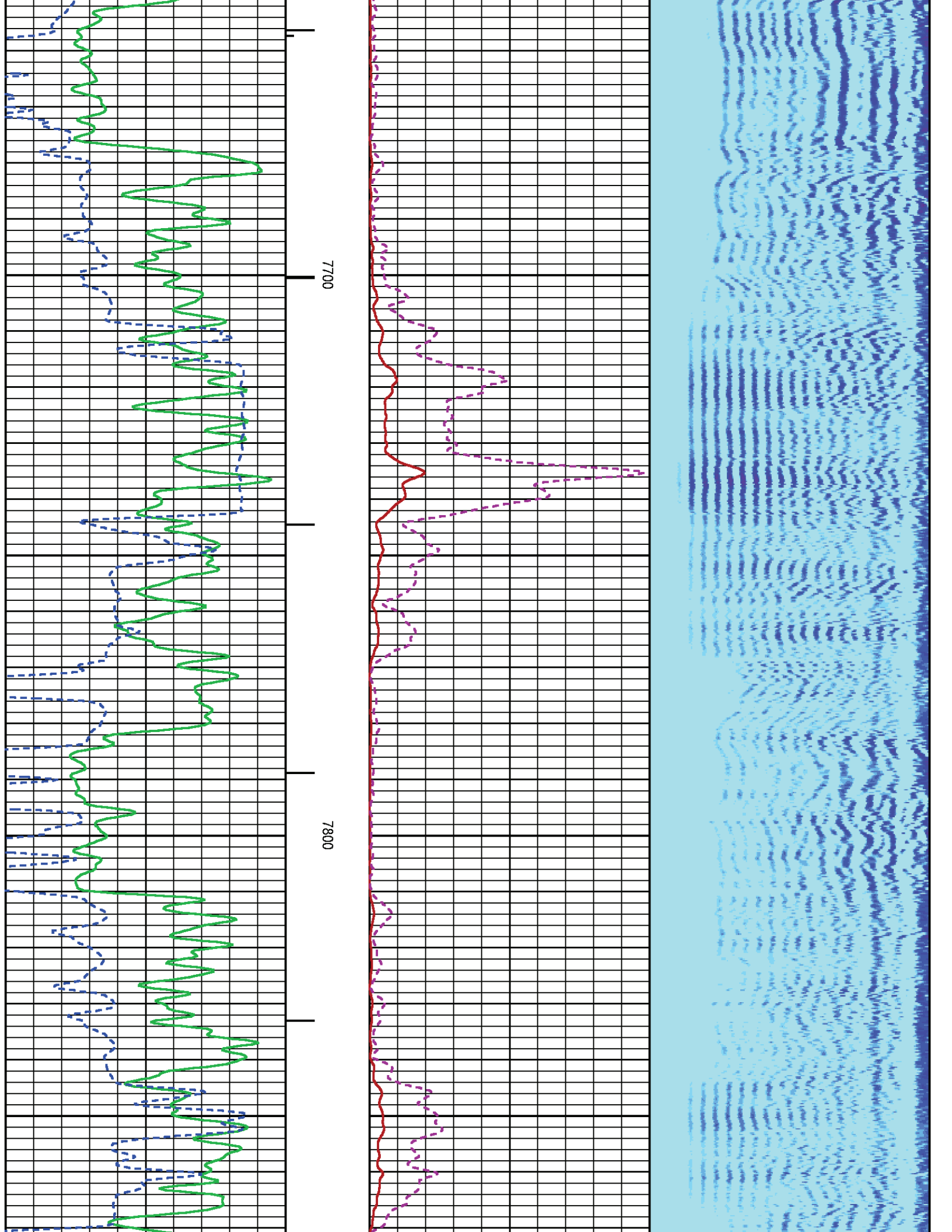


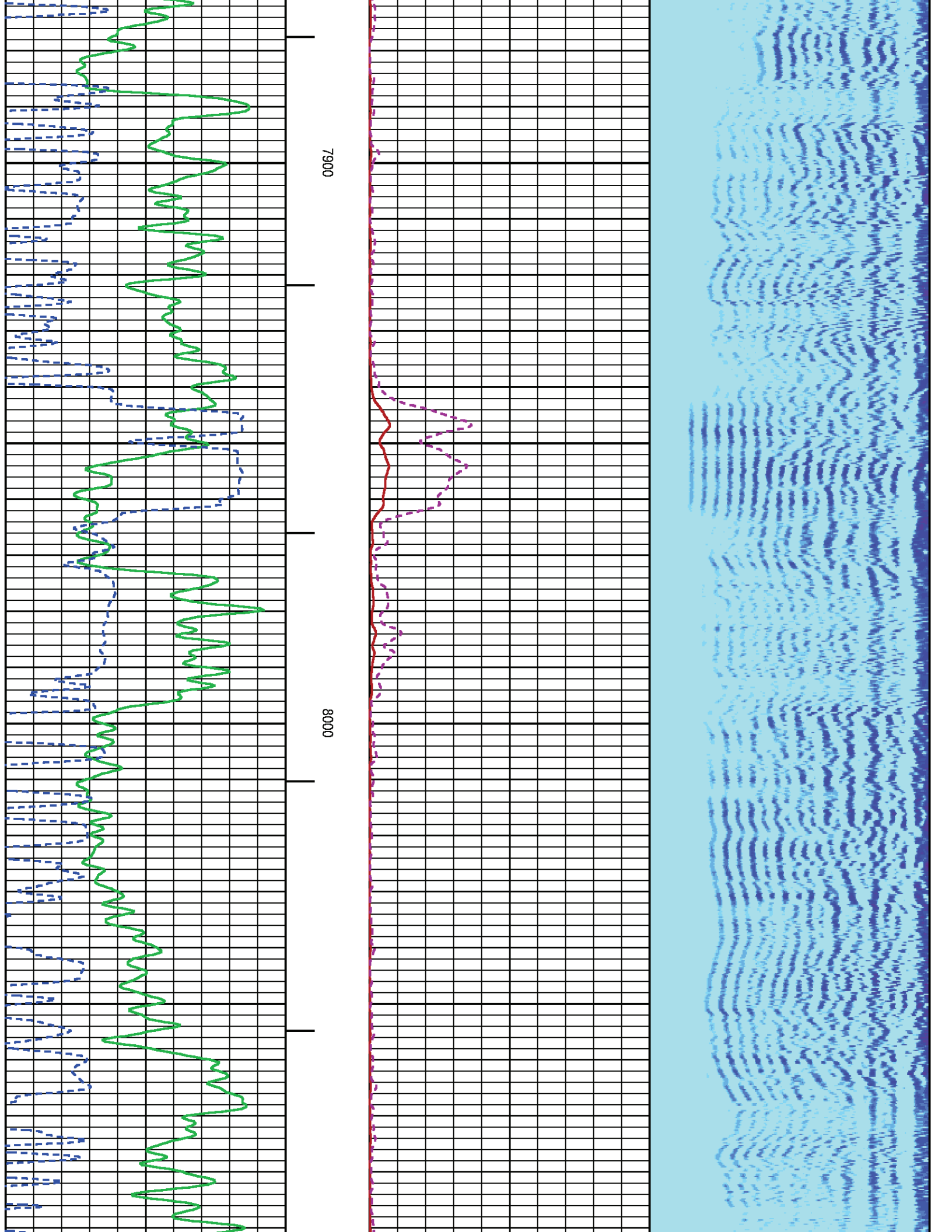


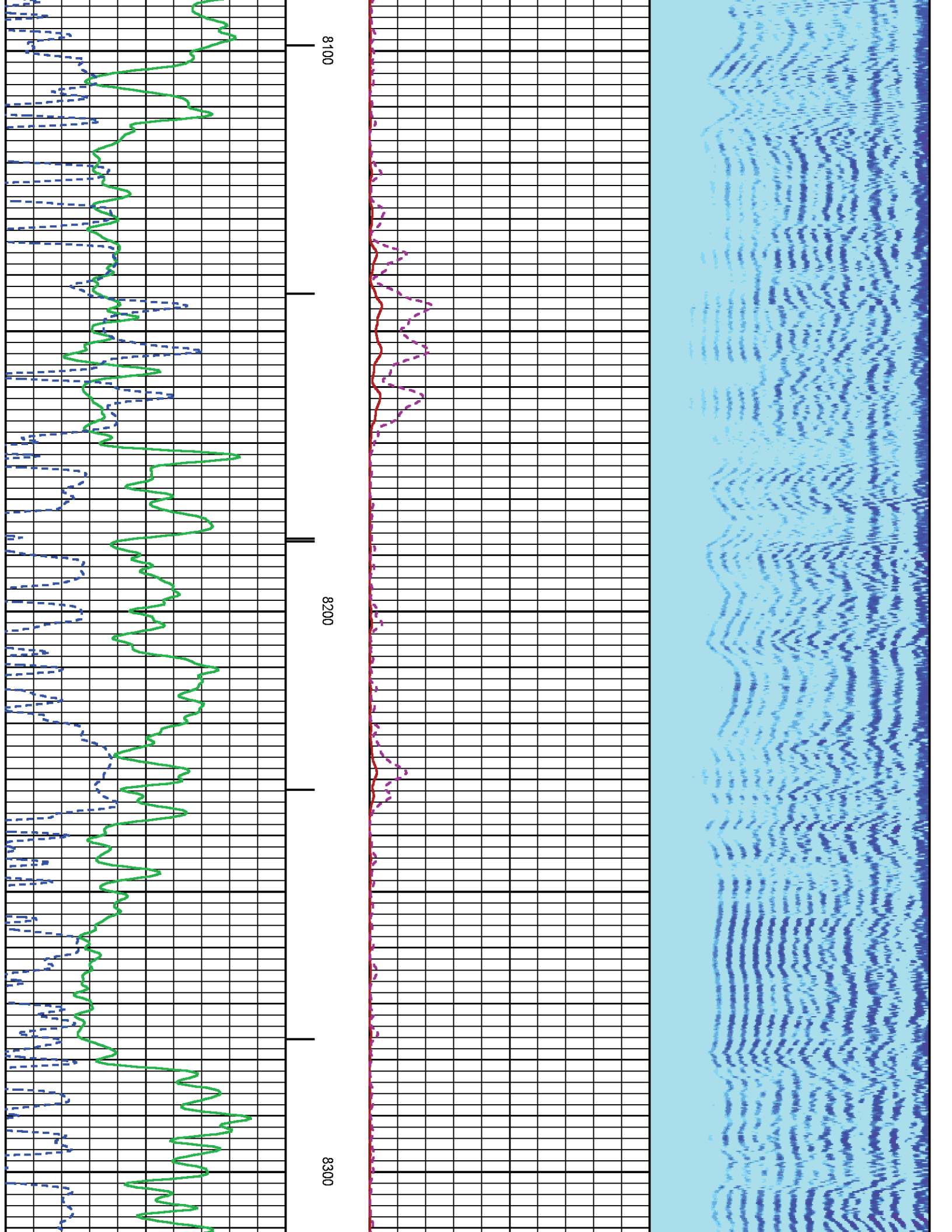




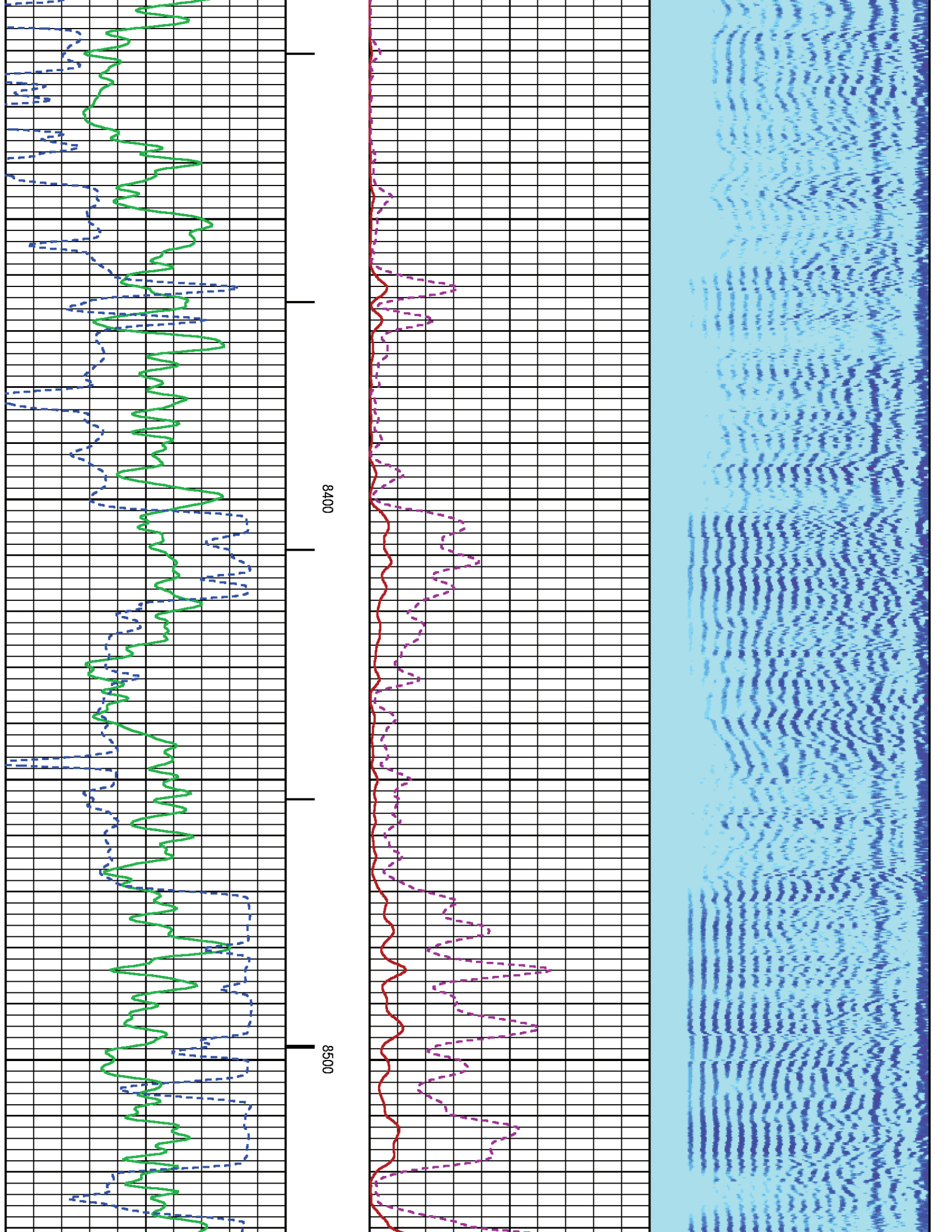


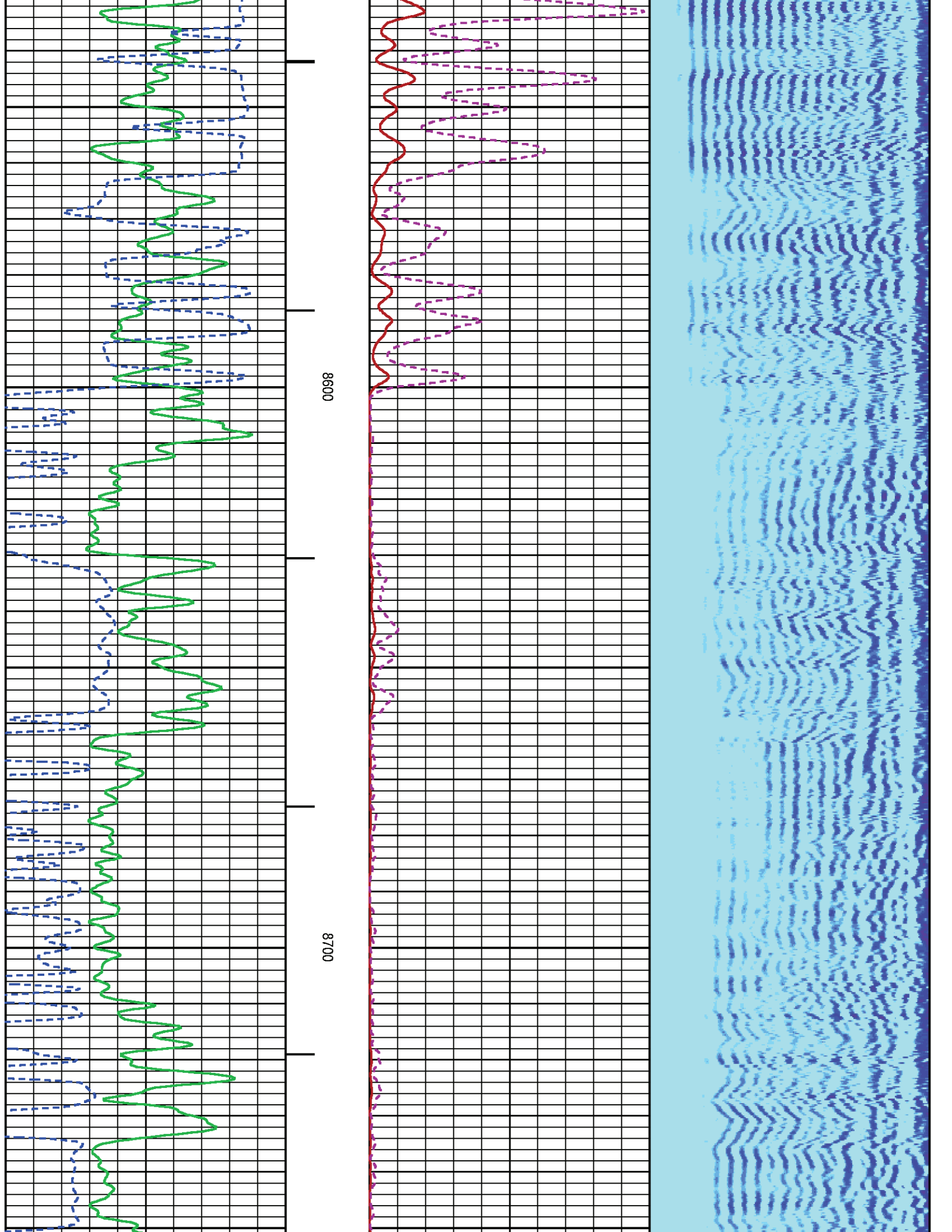


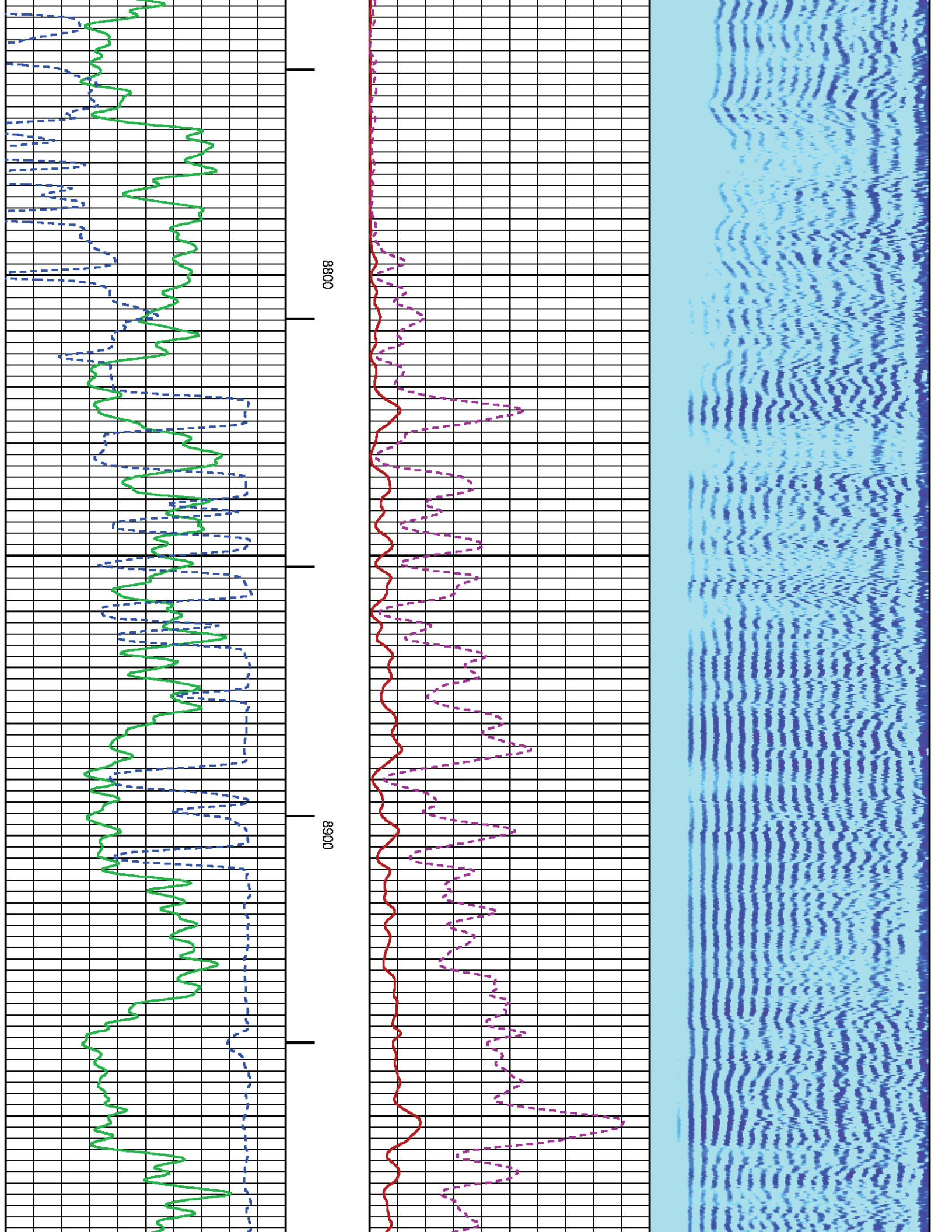


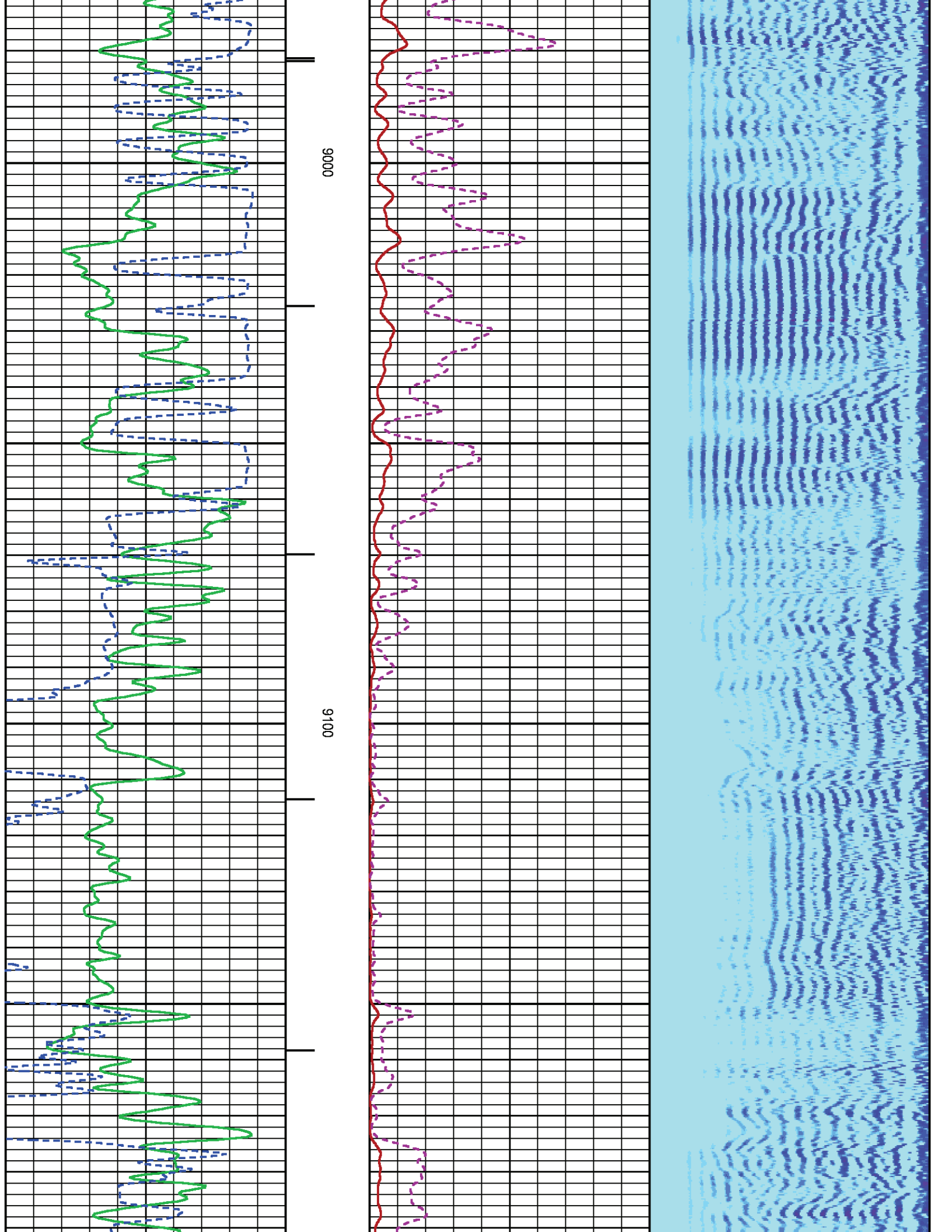




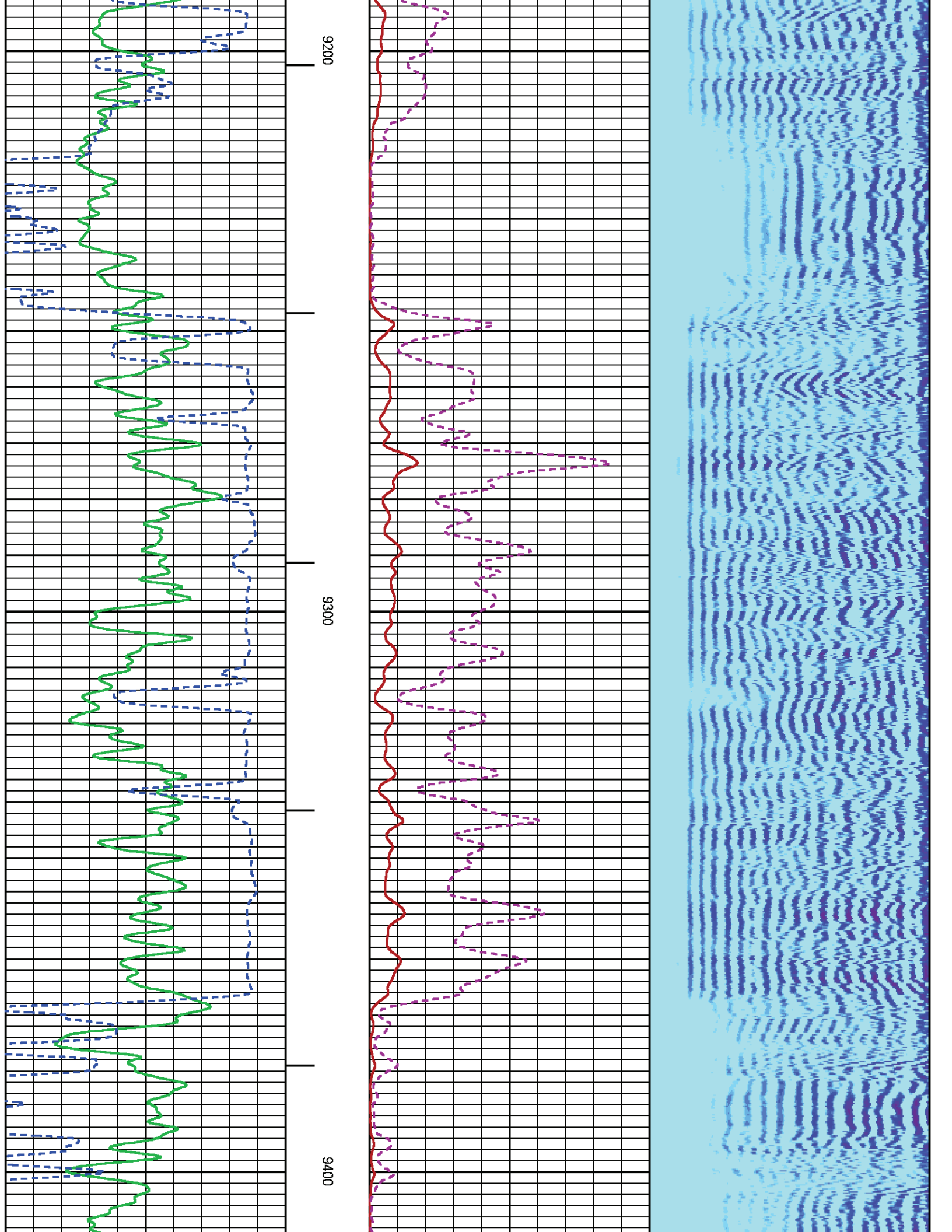


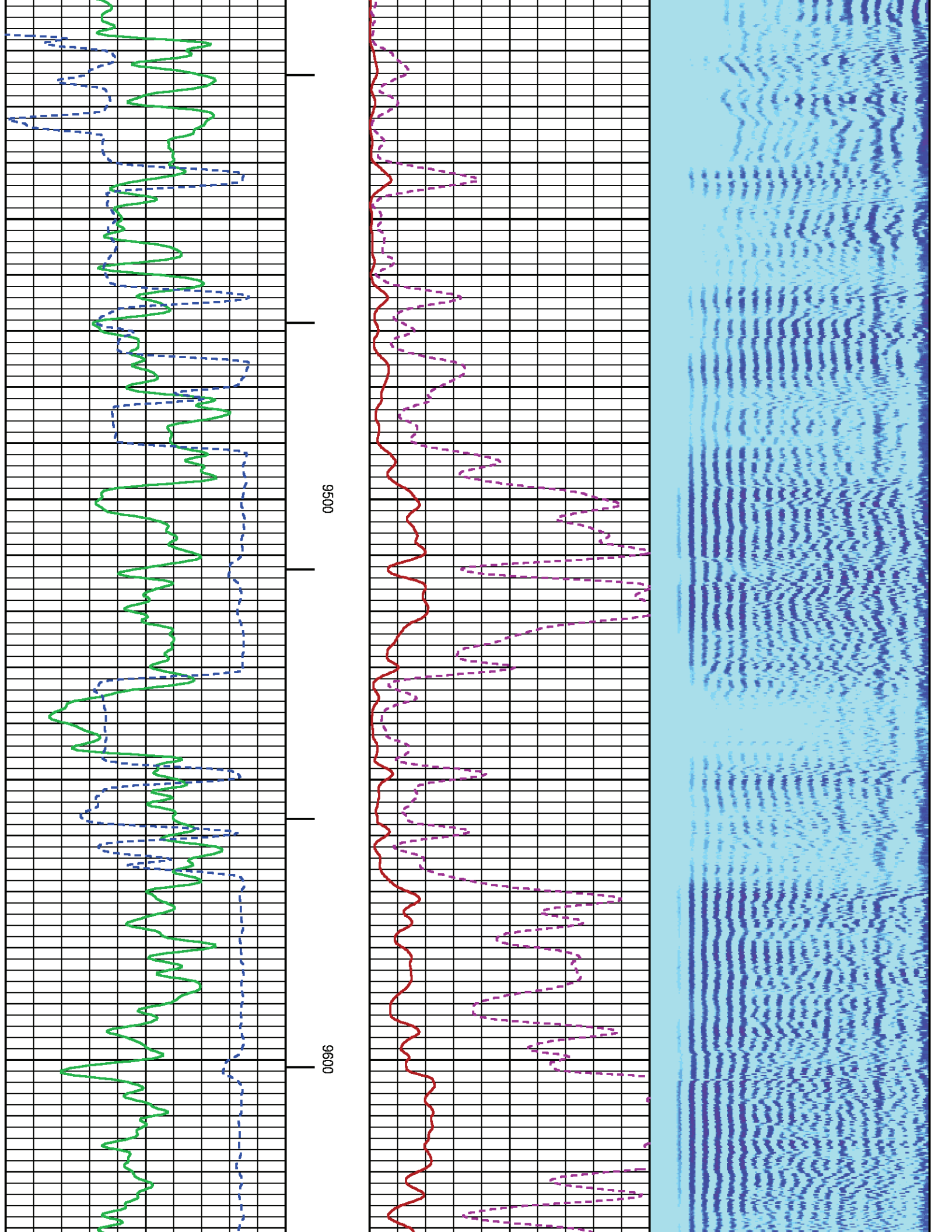


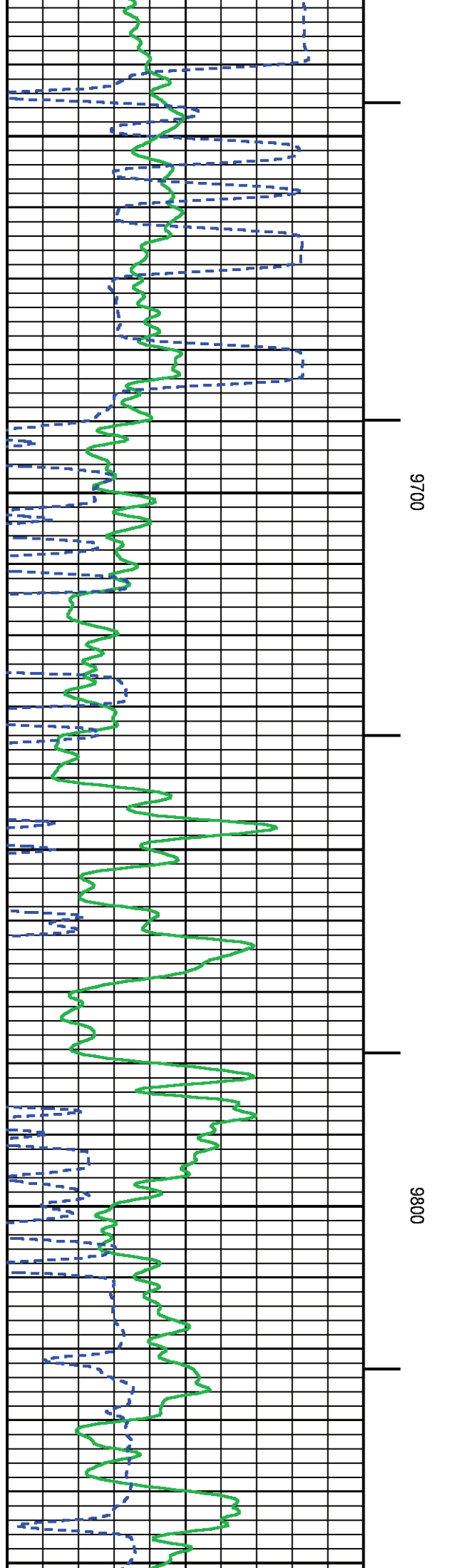
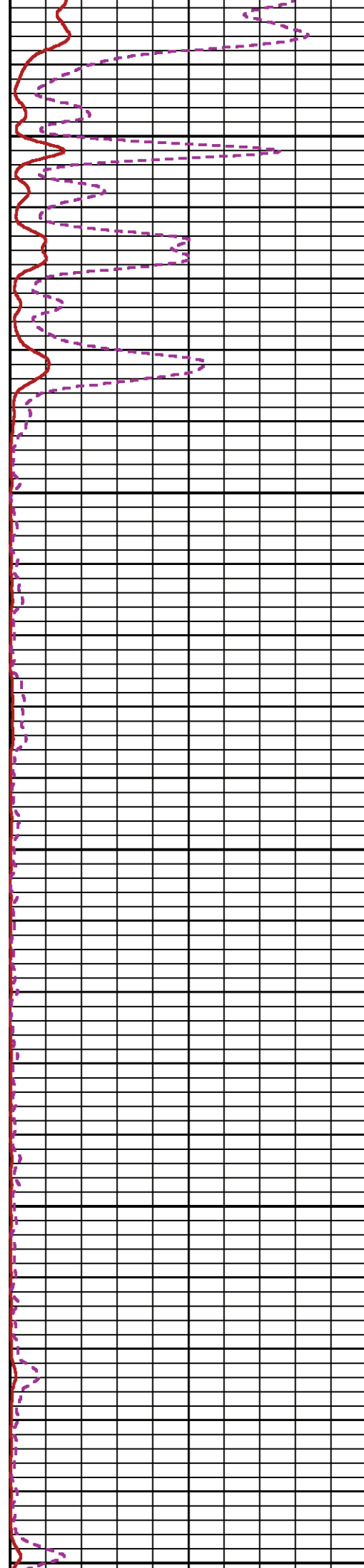
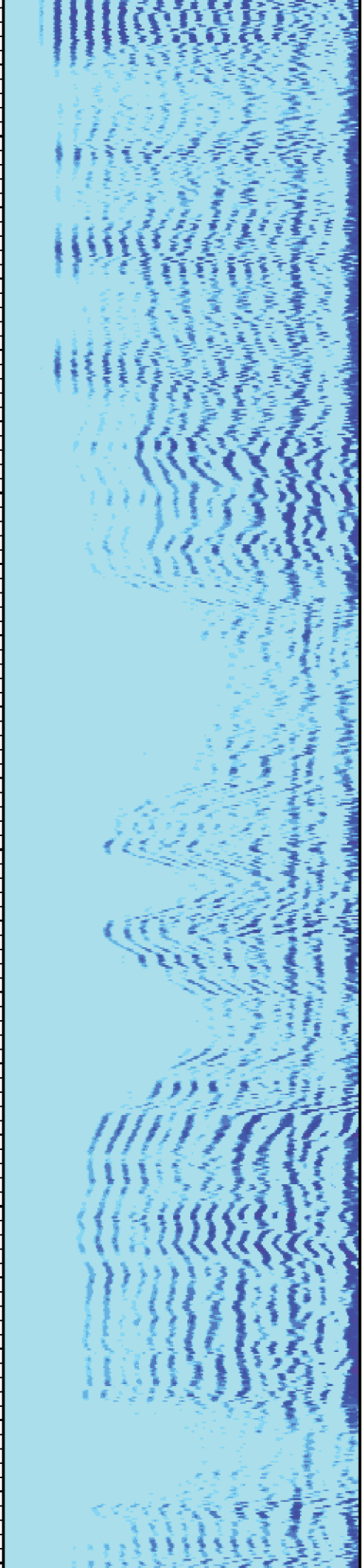


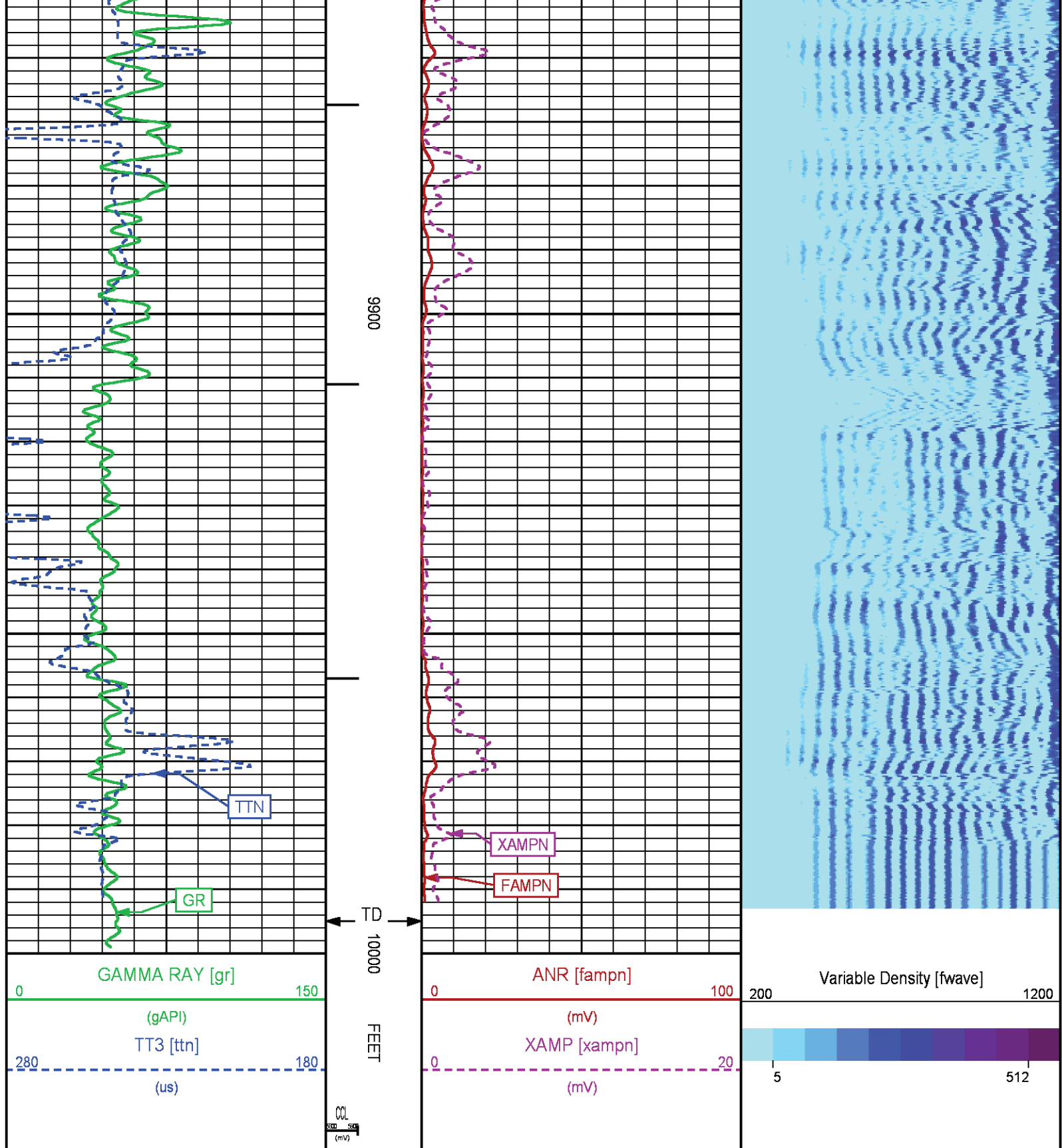












SECONDARY PRESENTATION 0 PSI



PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093340/n012e02.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 38.000 ft BOTTOM DEPTH: 10013.000 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*)	175	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-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	"	"
BASELINE NOISE (NEAR)	TOOL DELAY (strn*)	-72	us	"	"
	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

PERCENT BOND CEMENT MAP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 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