



FILE NO: CH092576	COMPANY WPX ENERGY
API NO: 05045223430000	WELL YOUBERG RU 432-7
	FIELD RULISON
	COUNTY GARFIELD
	STATE COLORADO

Ver. 3.87	LOCATION:	OTHER SERVICES
7 7S 93W	SHL: 2486' FNL & 384' FEL	RPM
RU 42-7 PAD	BHL: 2001' FNL & 1667' FEL	
NABORS 574	SEC 7 TWP 7S RGE 93W	

PERMANENT DATUM	GL	ELEVATION	7737 FT	KB	7763 FT
LOG MEASURED FROM	KB	26 FT	ABOVE P.D.	DF	
DRILL MEAS. FROM	KB			GL	7737 FT

DATE	24-Nov-2014
RUN	1
SERVICE ORDER	US092576
DEPTH DRILLER	9947 FT
DEPTH LOGGER	9895 FT
BOTTOM LOGGED INTERVAL	9885 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	14:00
TIME FINISHED	17:30
OPERATOR RIG TIME	3.5 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	84 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	BAKER HUGHES OPEN HOLE
REFERENCE LOG DATE	19-Oct-2014
EQUIP. NO.	HL-6670
LOCATION	GRAND JCT.
RECORDED BY	RENEAU / EDWARDS
WITNESSED BY	TILLER / BROWN

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
13.5 IN	24 FT	1114 FT
8.75 IN	1114 FT	9993 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			24 FT	1114 FT
4.5 IN	11.6 LB/F	P-110	24 FT	9993 FT

REMARKS

RUN 1 TRIP 1: All data on this log is shifted and depth matched using the Gamma Ray curve to the Baker Hughes HDIL/ZDL/CN/GR log dated 19/OCT/2014 at the client's request.

The depth matching process creates potential for collar lengths to vary from those recorded on other cased hole wireline units without a Gamma Ray reference.

The amount of linear shift is -2.5 feet

Logged with zero PSI at wellhead.

BHT = 249 degF
SJ = 6546' - 6569'

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: Mon Nov 24 22:19:51 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH092576/n012e02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 37.750 ft BOTTOM DEPTH: 9904.215 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	185	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	178	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*)	-71	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

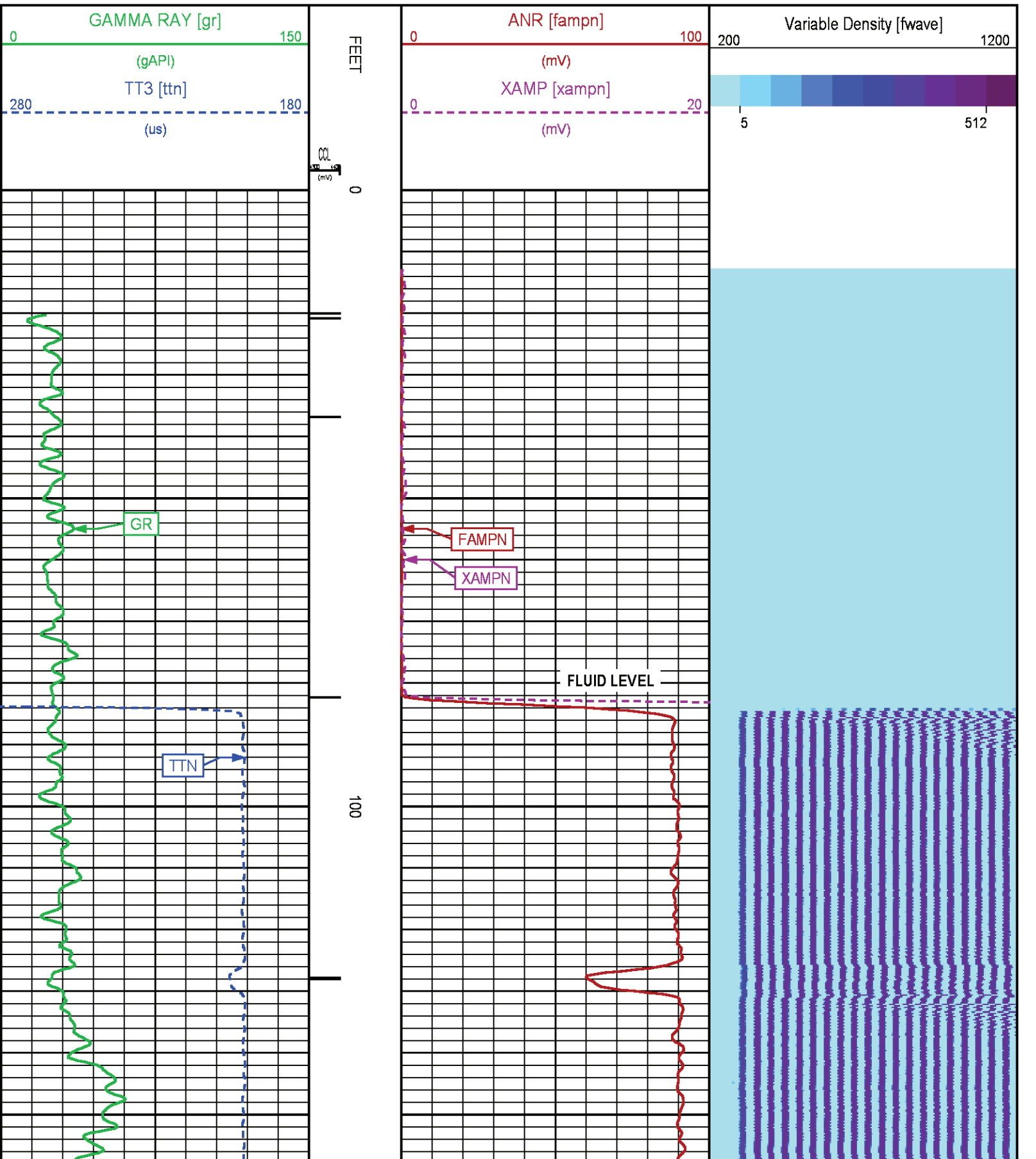
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Nov 24 21:30:45 2014	CASING COLLAR LOCATOR
F1:FAMPN	Nov 24 21:31:36 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Nov 24 21:31:58 2014	FAR WAVE FORM
F1:GR	Nov 24 21:32:01 2014	GAMMA RAY
F1:TTN	Nov 24 21:32:34 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Nov 24 21:32:35 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

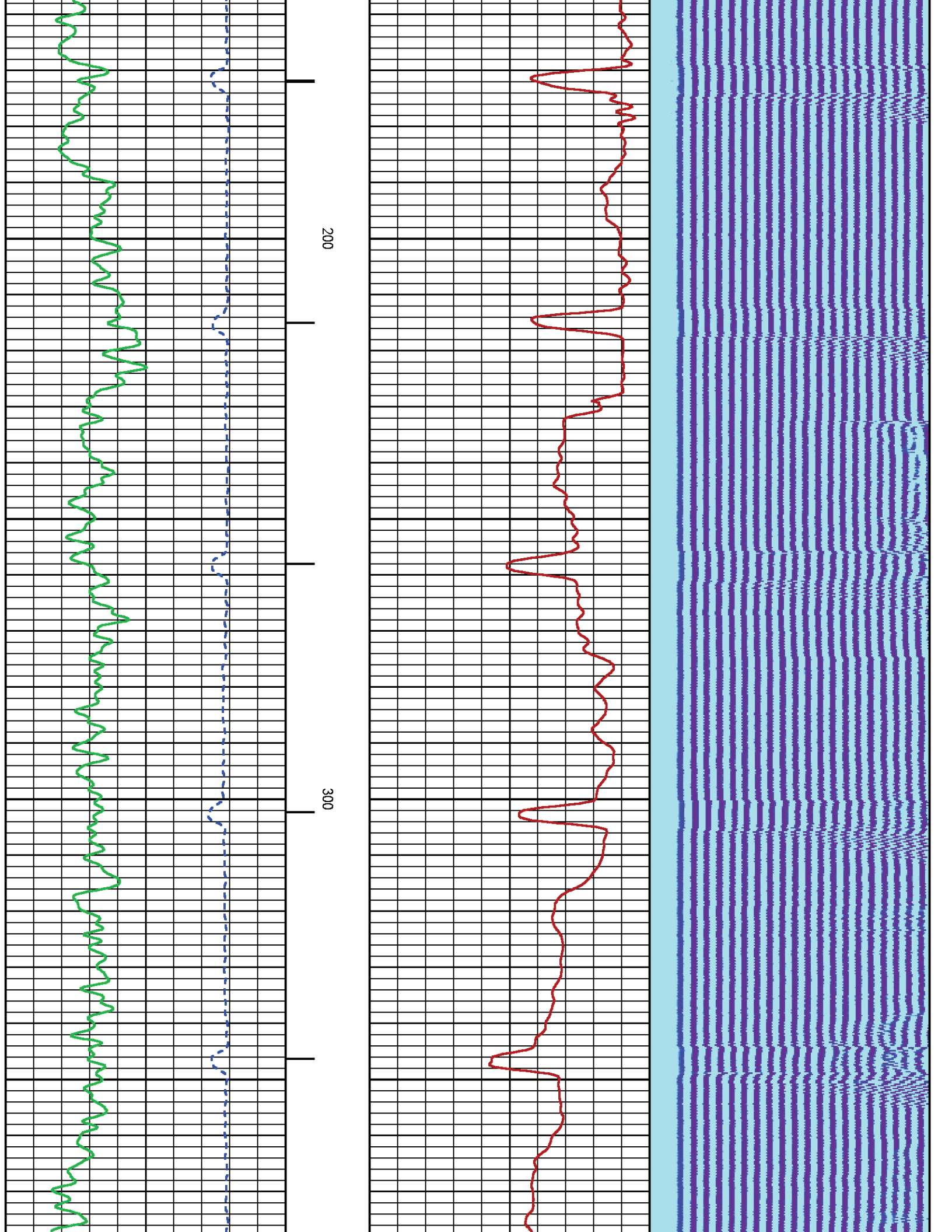
CURVE MEASURE POINT OFFSET

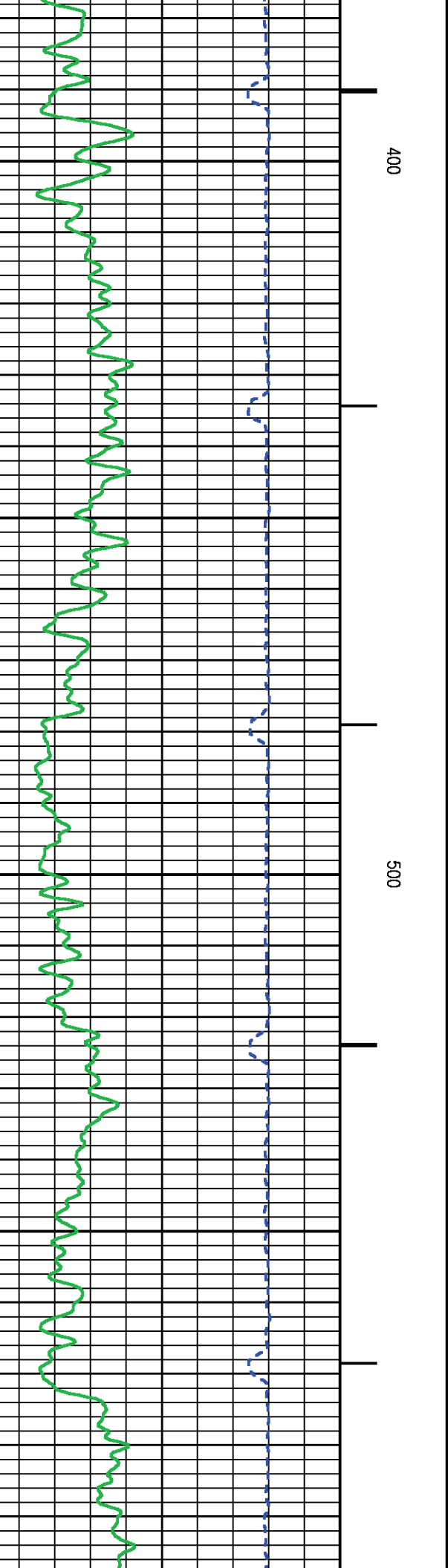
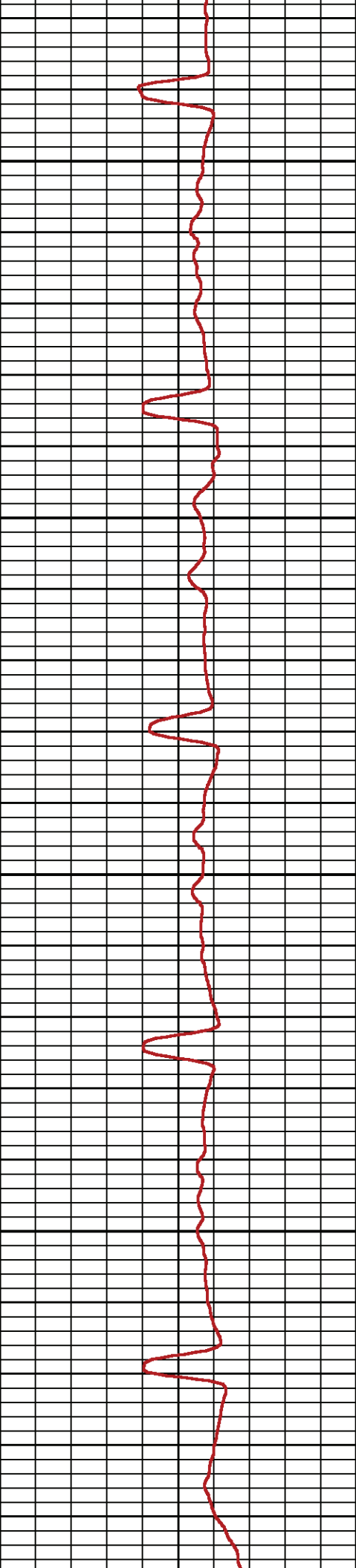
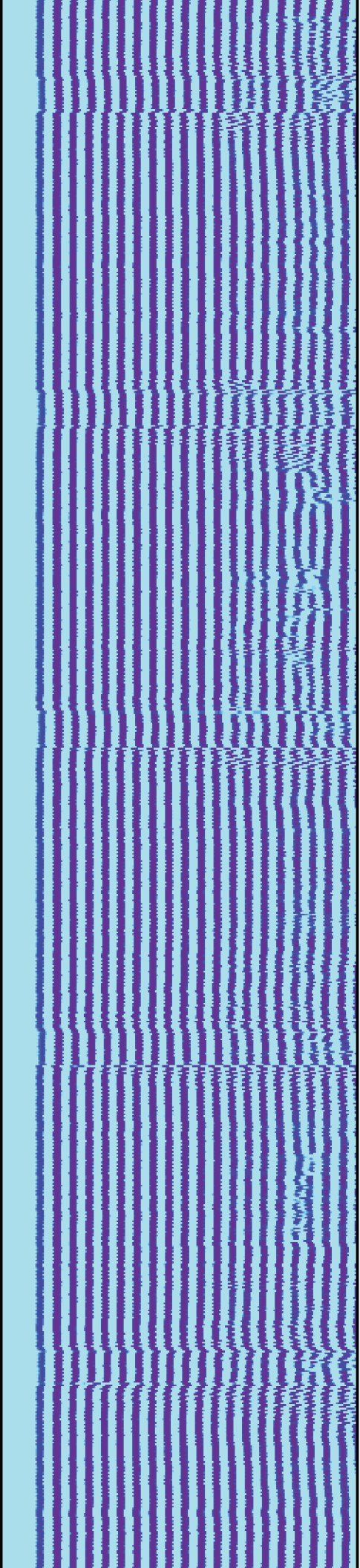
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

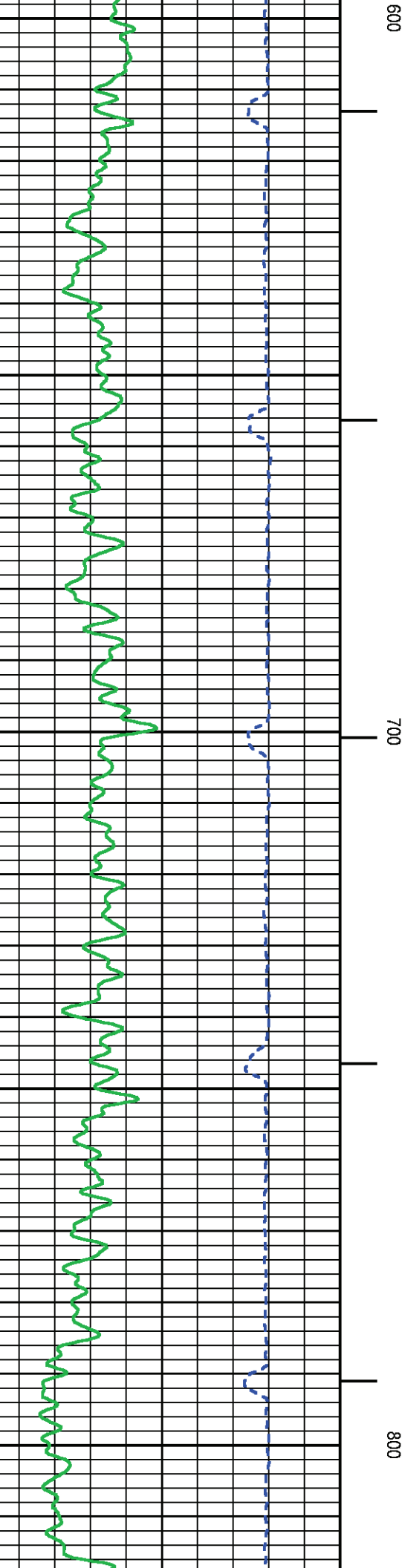
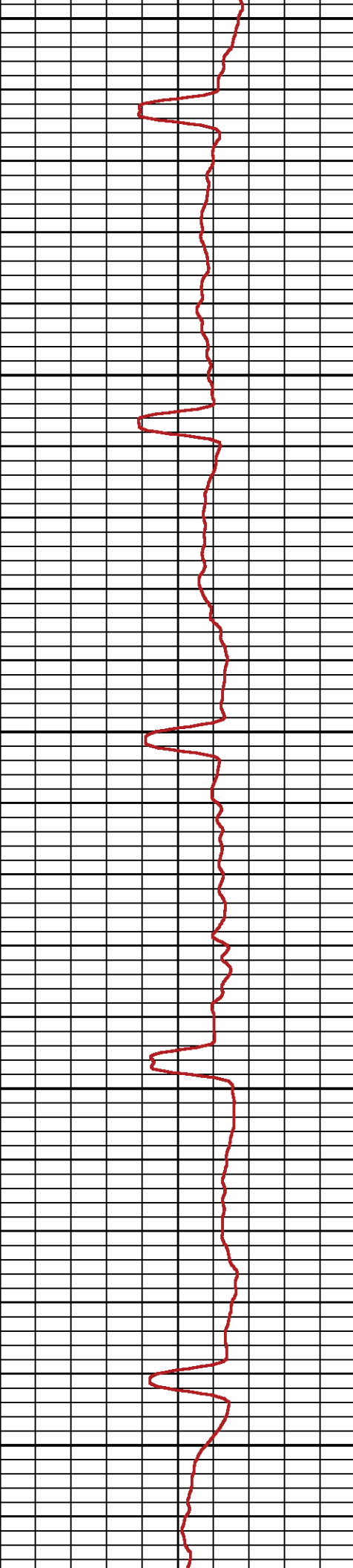
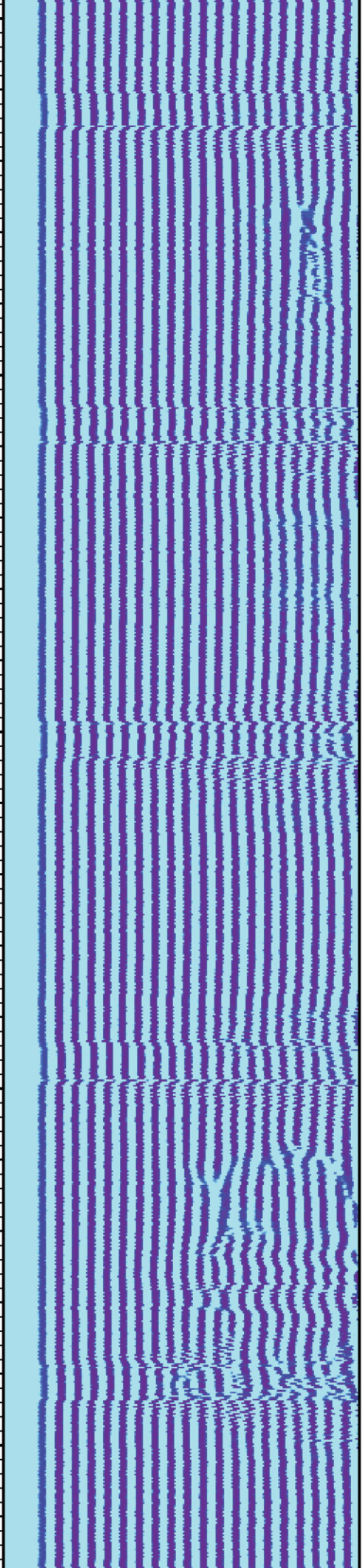
Presentation : HL6670:/dat1a/CH092576/432CBL_MAIN_PRIMARY.fvpdf [5"/100' Scale]
Plot Interval : 0 - 9900 Feet

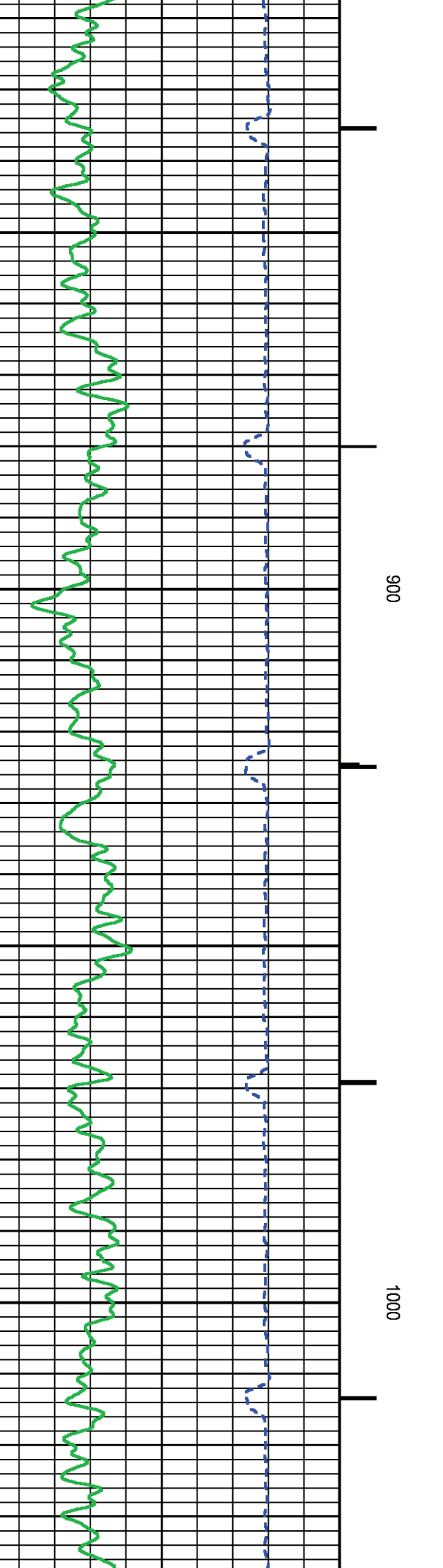
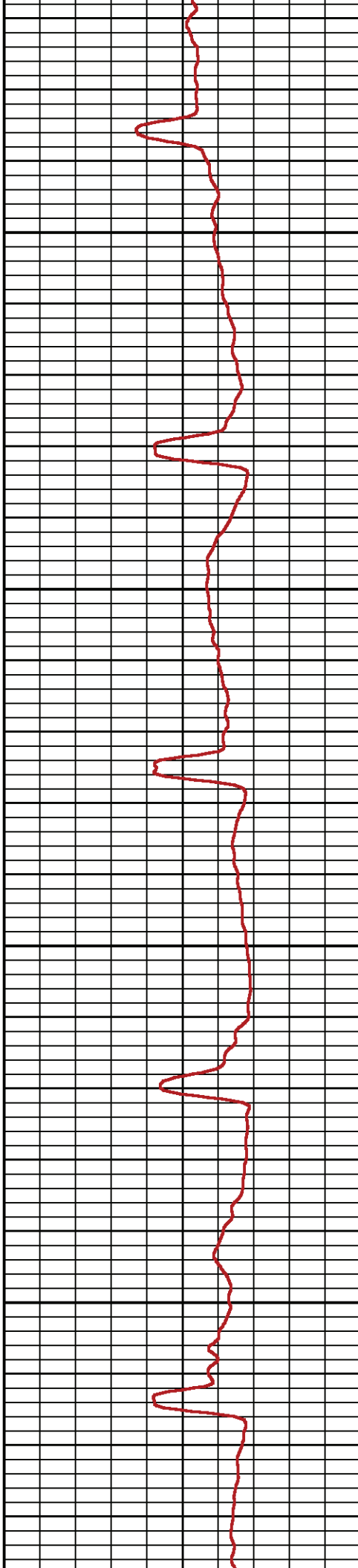
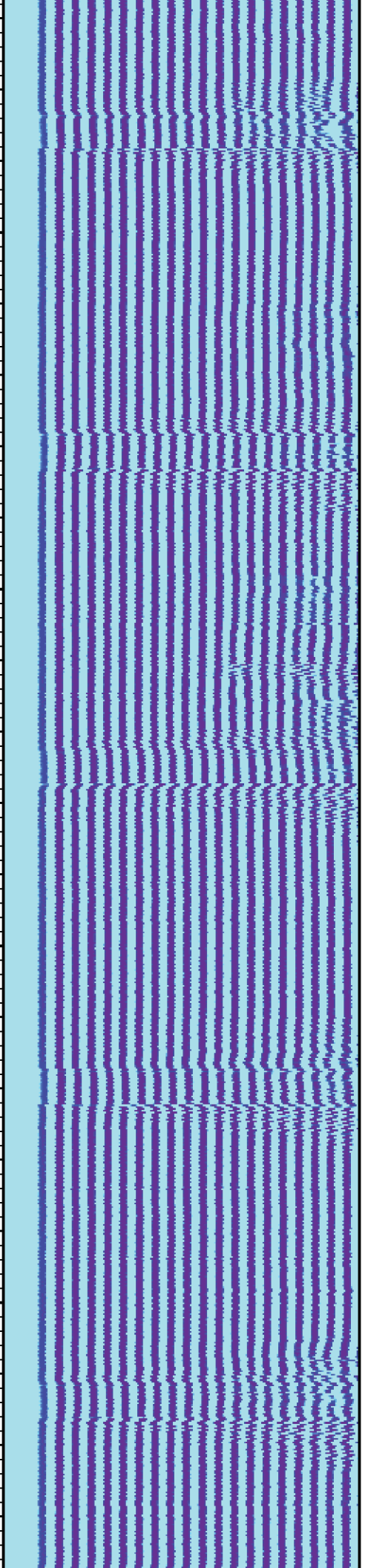
Data File 1 : F1 : HL6670:/dat1a/CH092576/432cbl_main2.xtf
Created On : Nov 24 21:30:44 2014
Company : WPX ENERGY
Well : YOUNBERG RU 432-7
Field : RULISON
File Interval : 11.75 - 9901.5 Feet
OCT : n012e

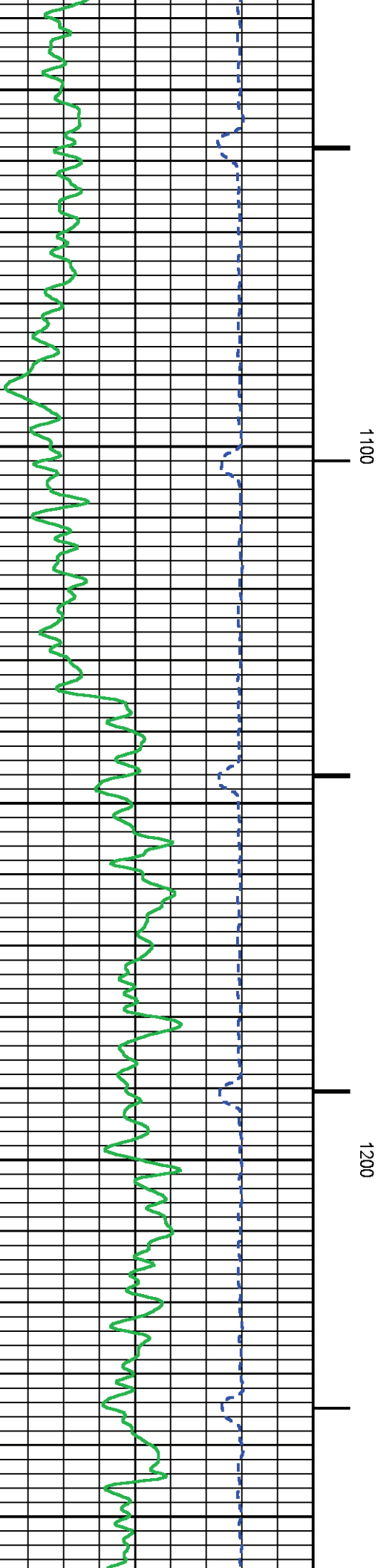
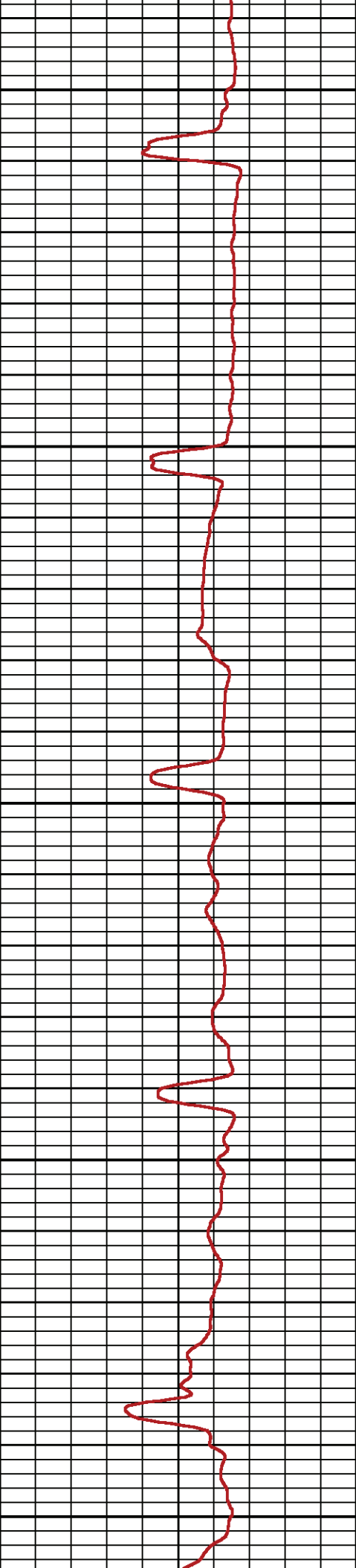
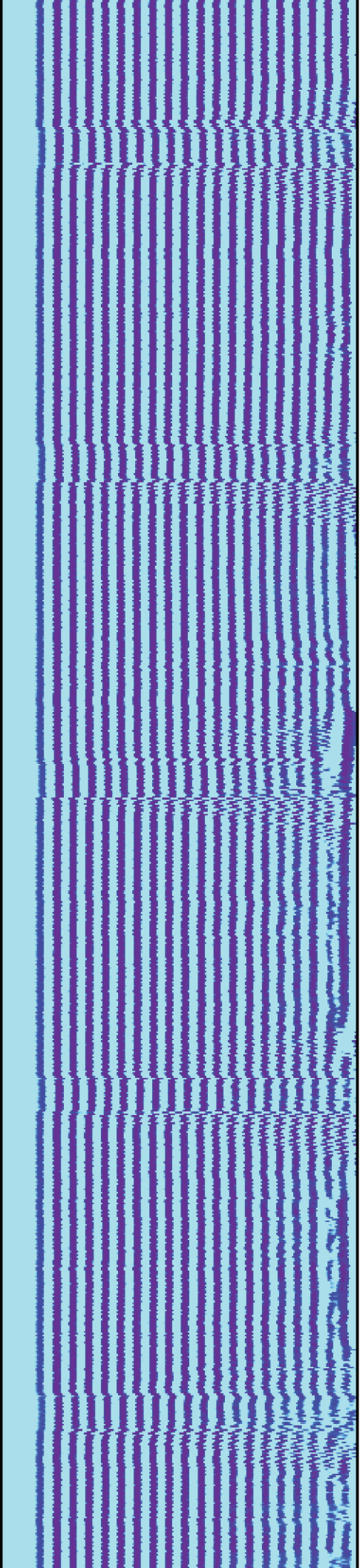


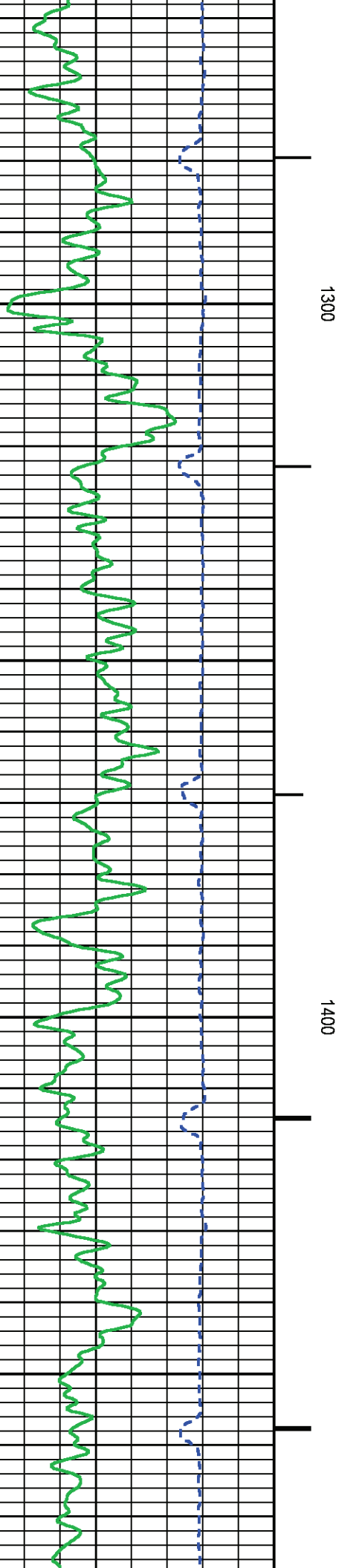
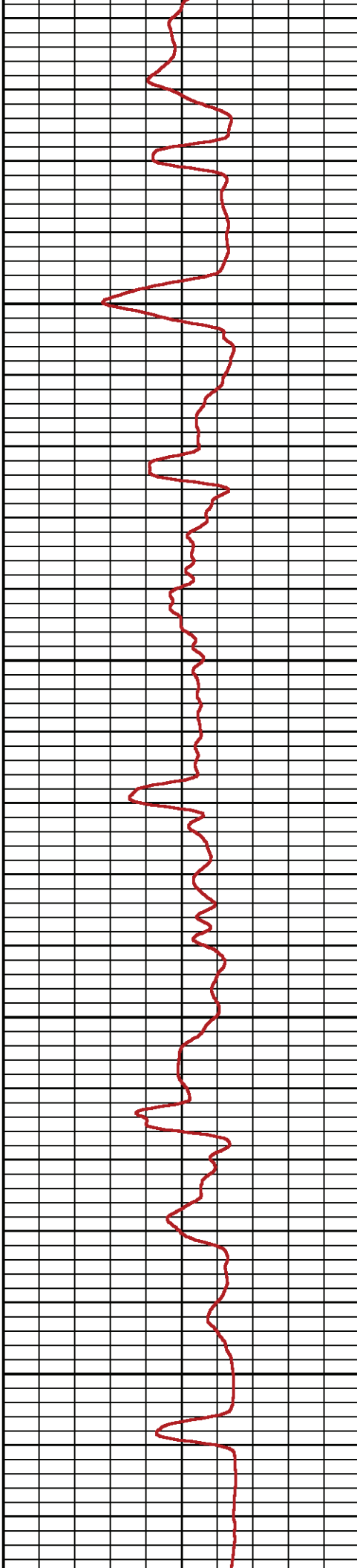
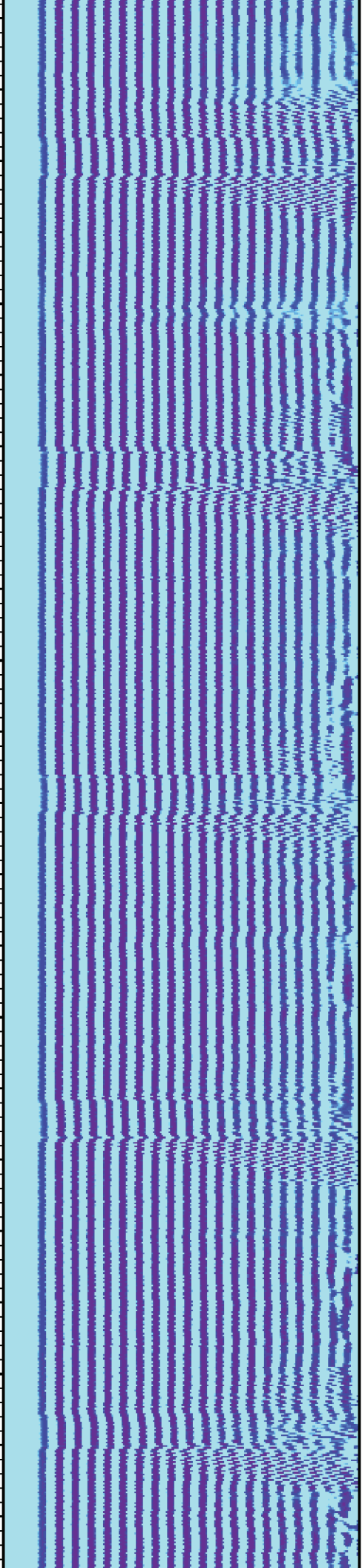


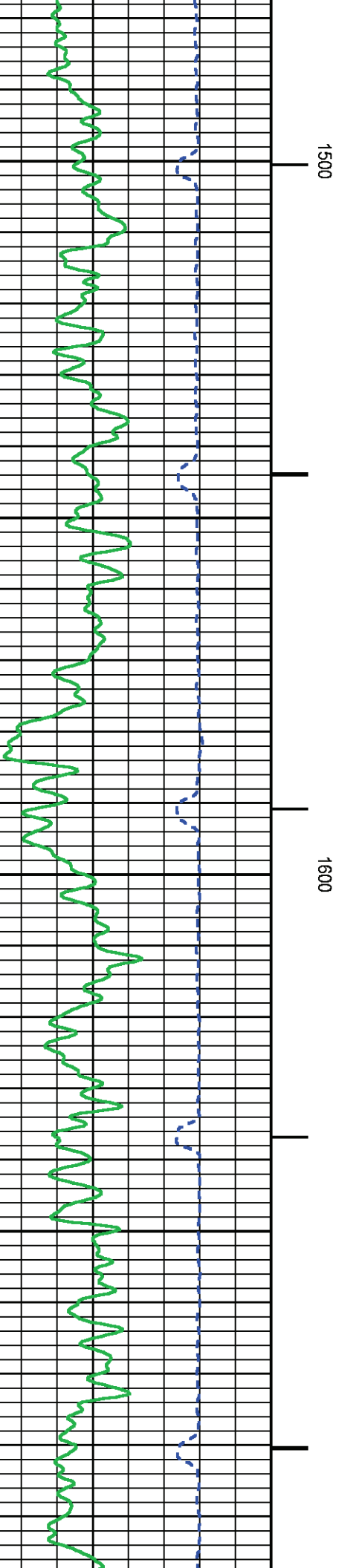
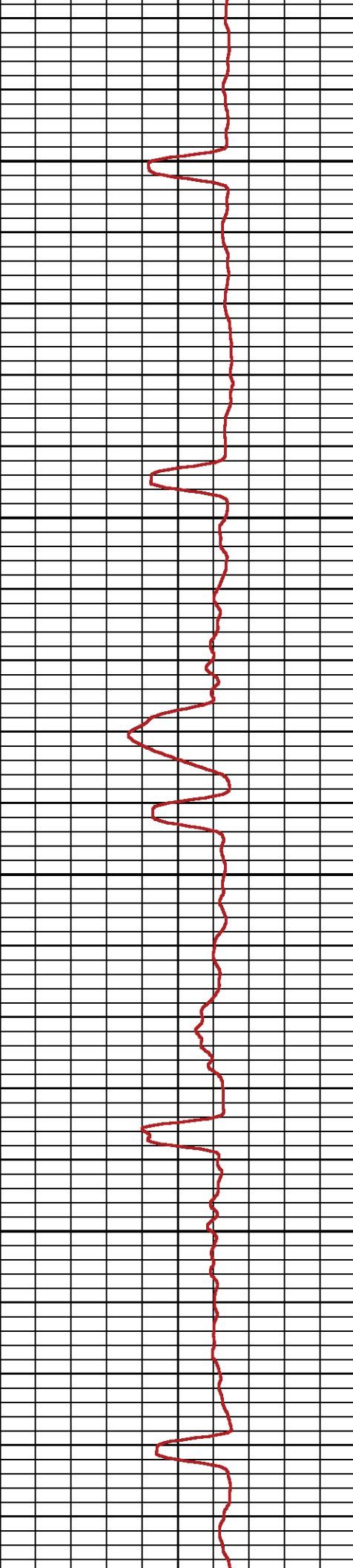
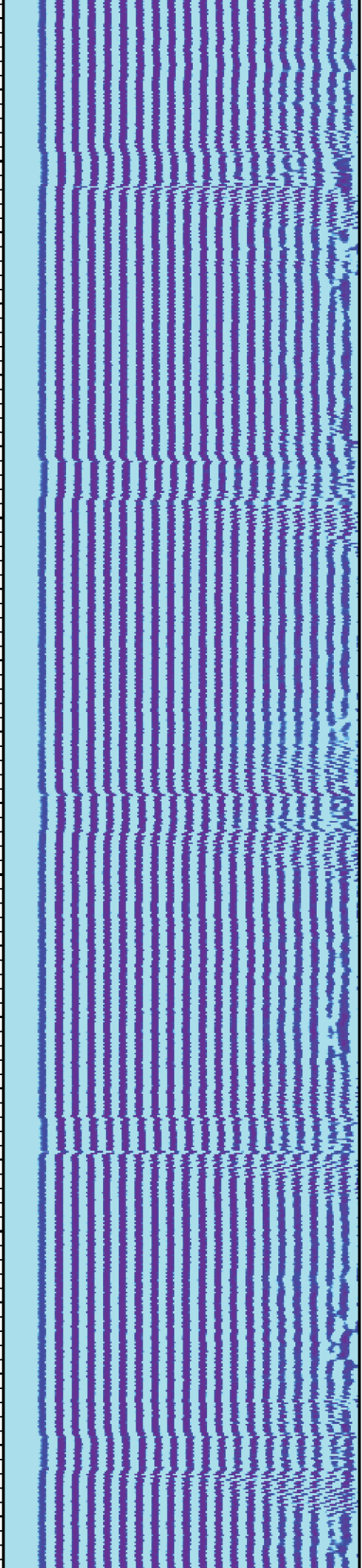


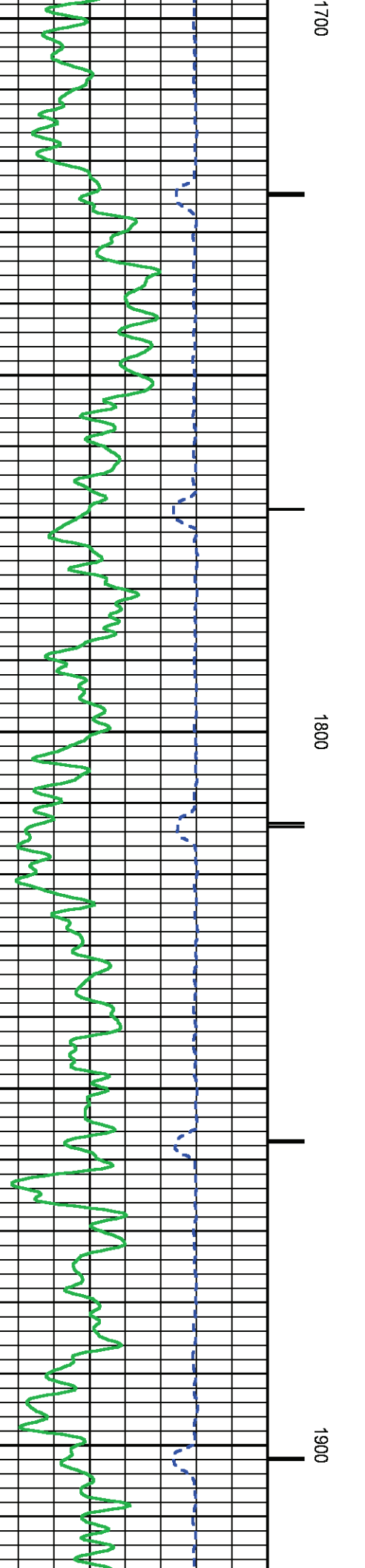
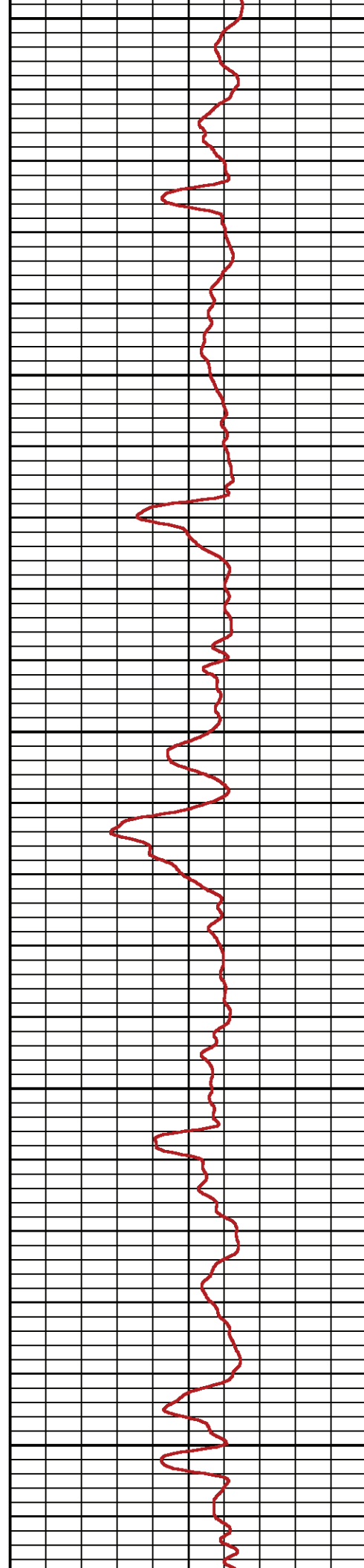
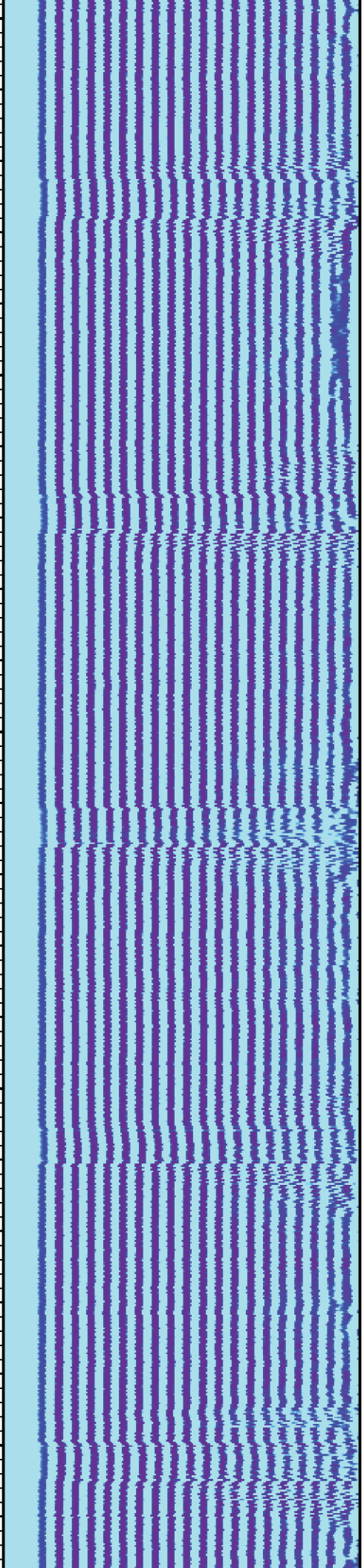








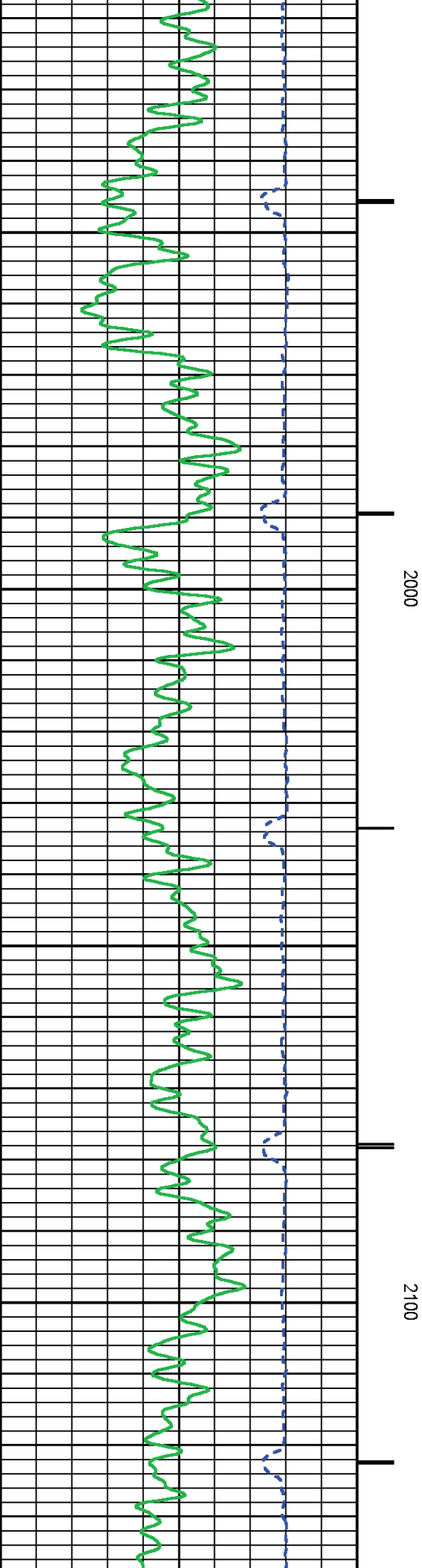
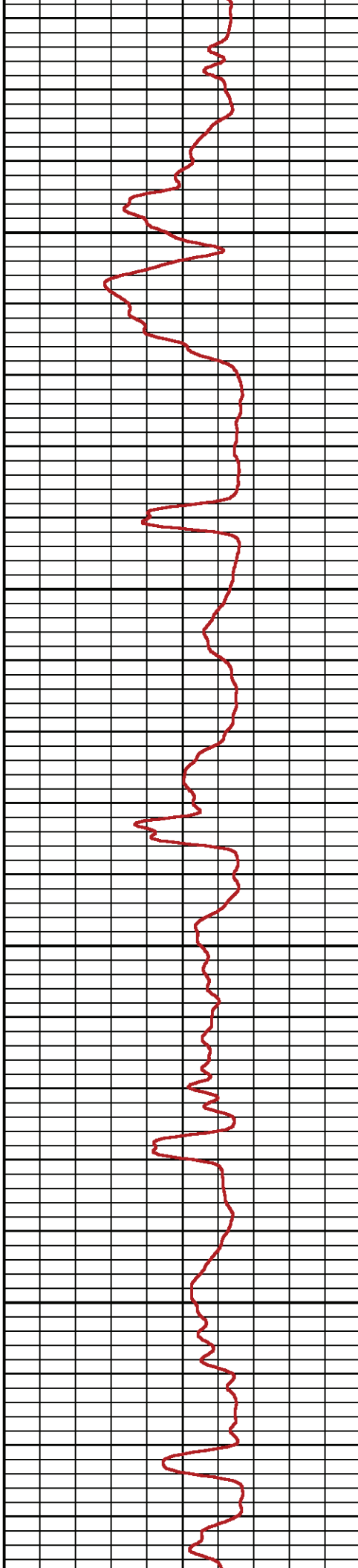
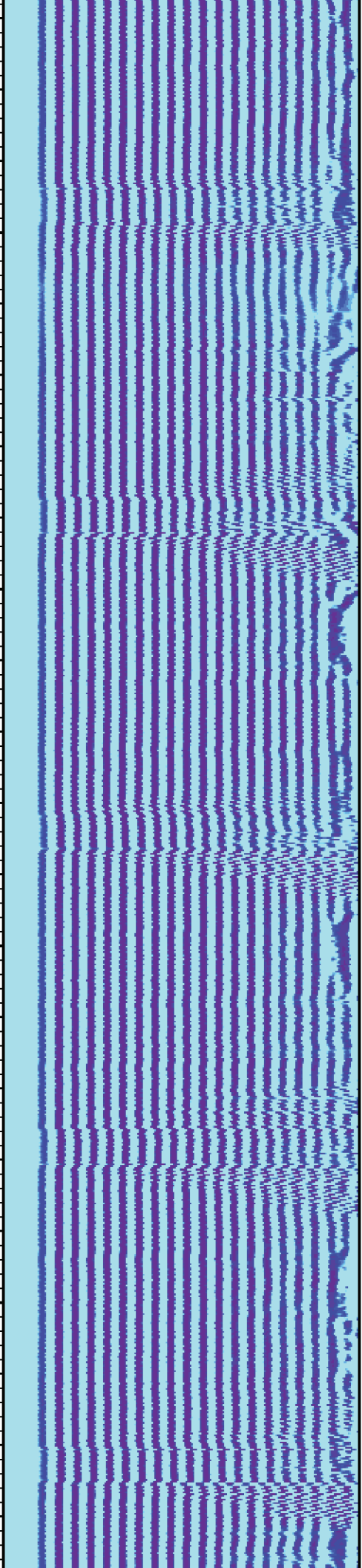


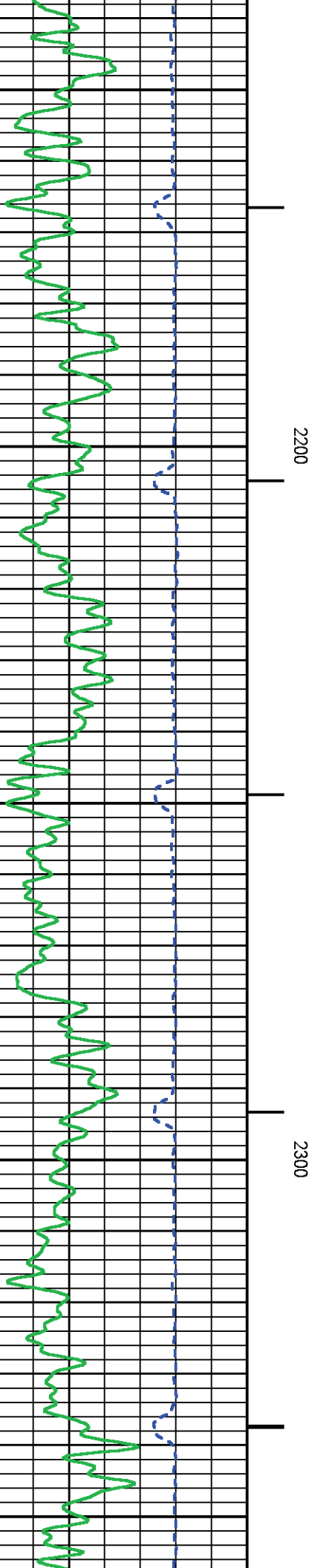
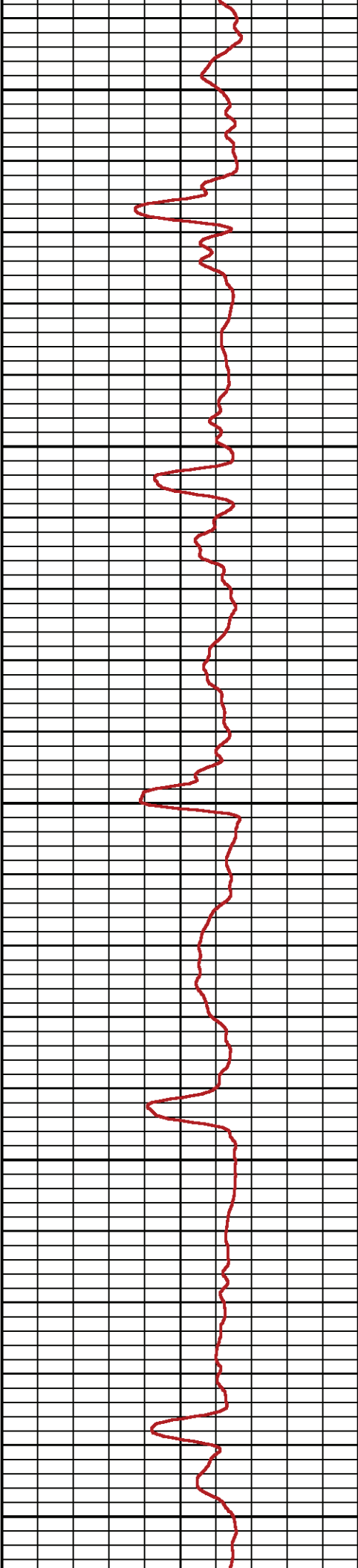
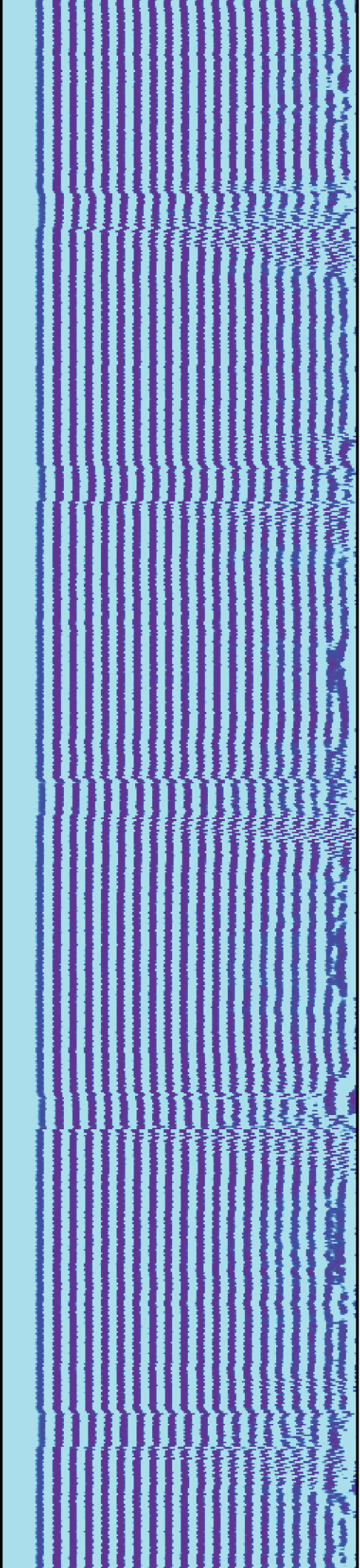


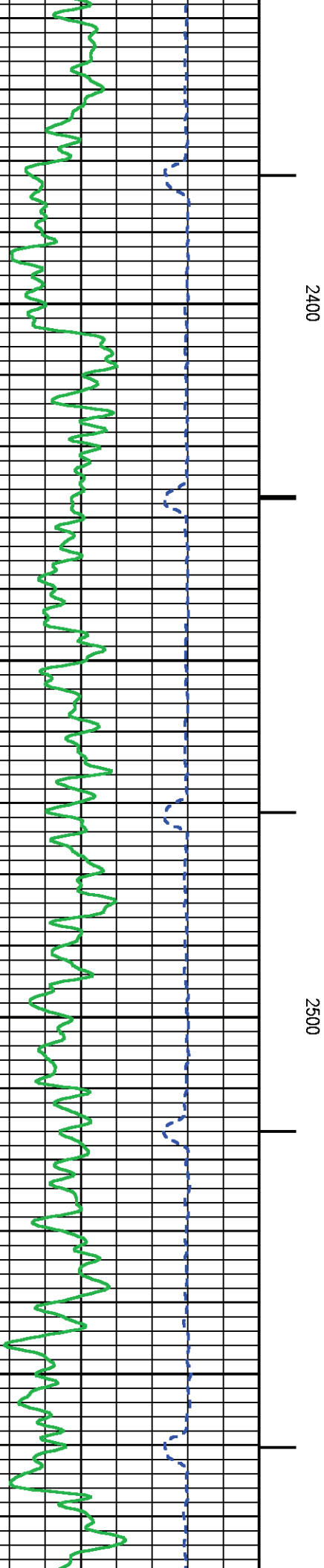
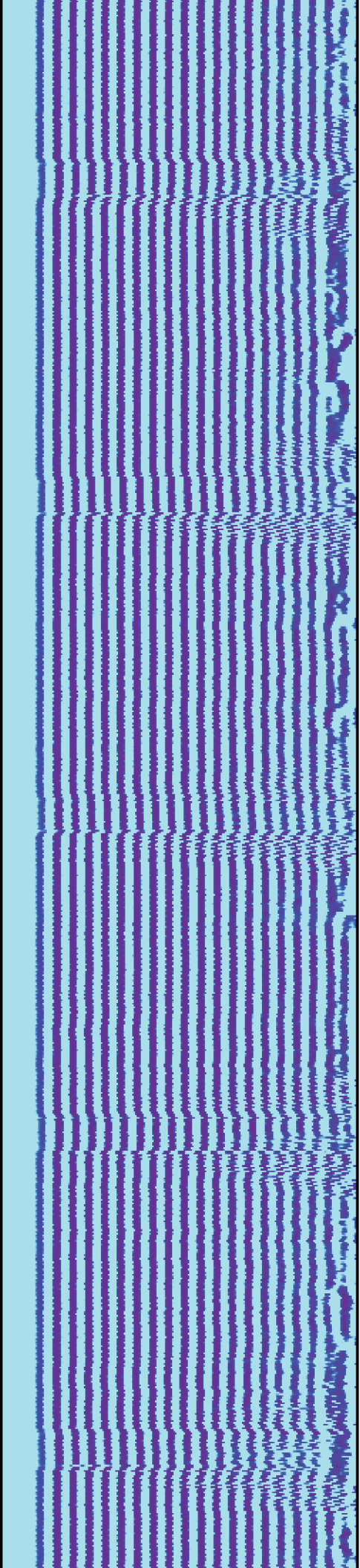
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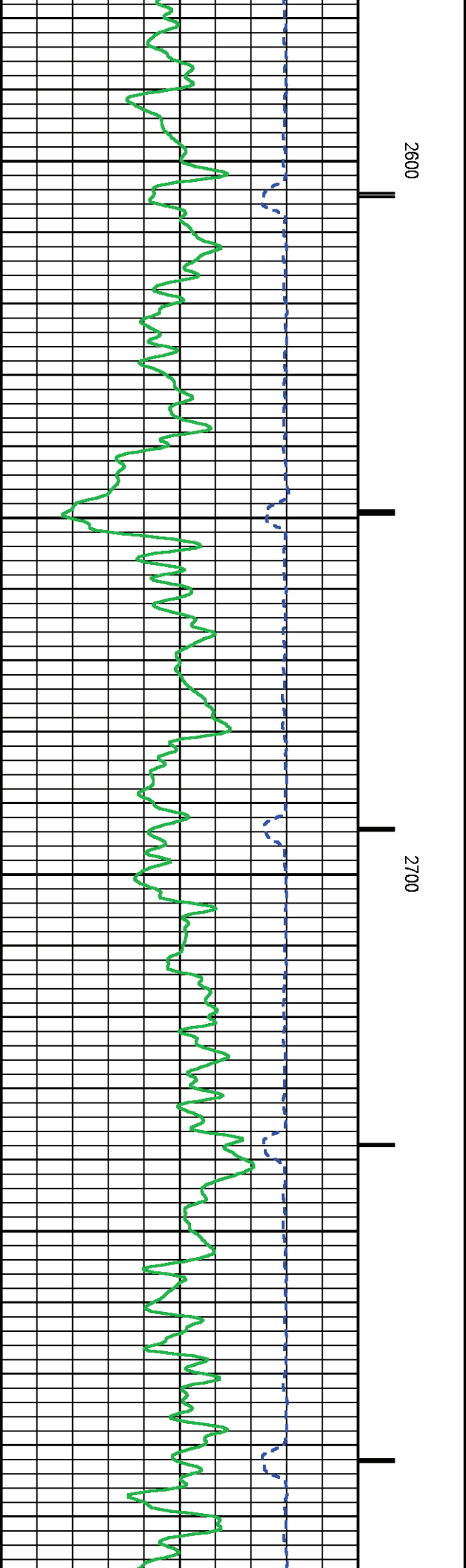
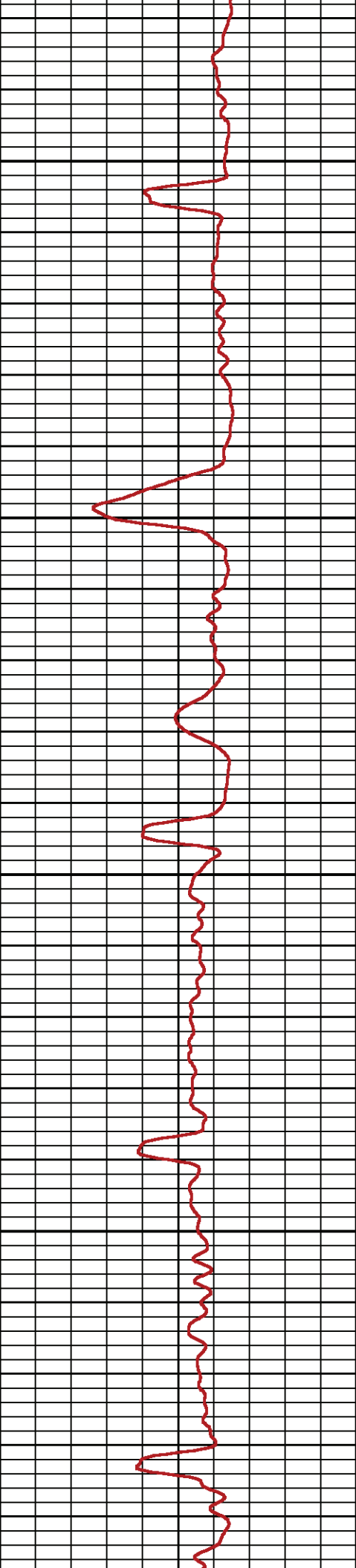
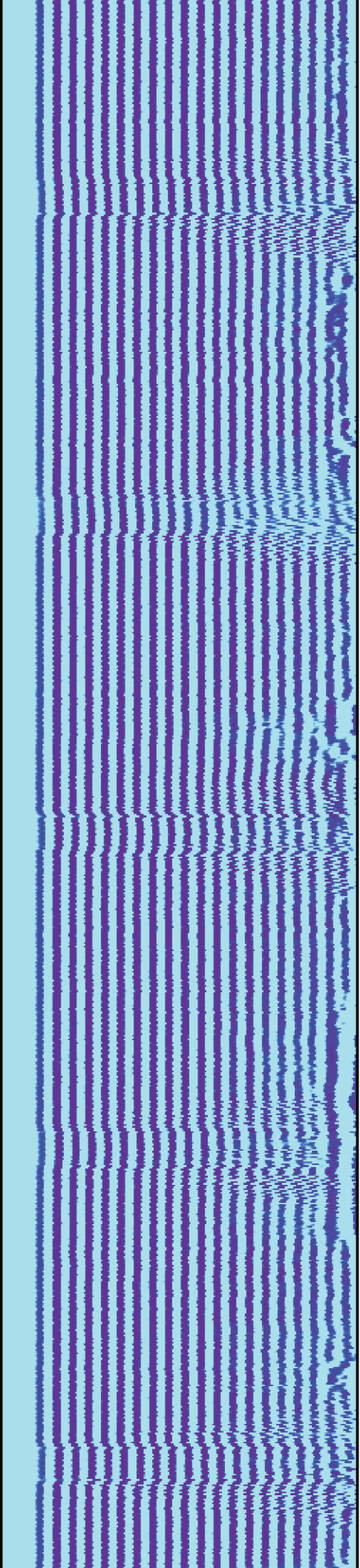
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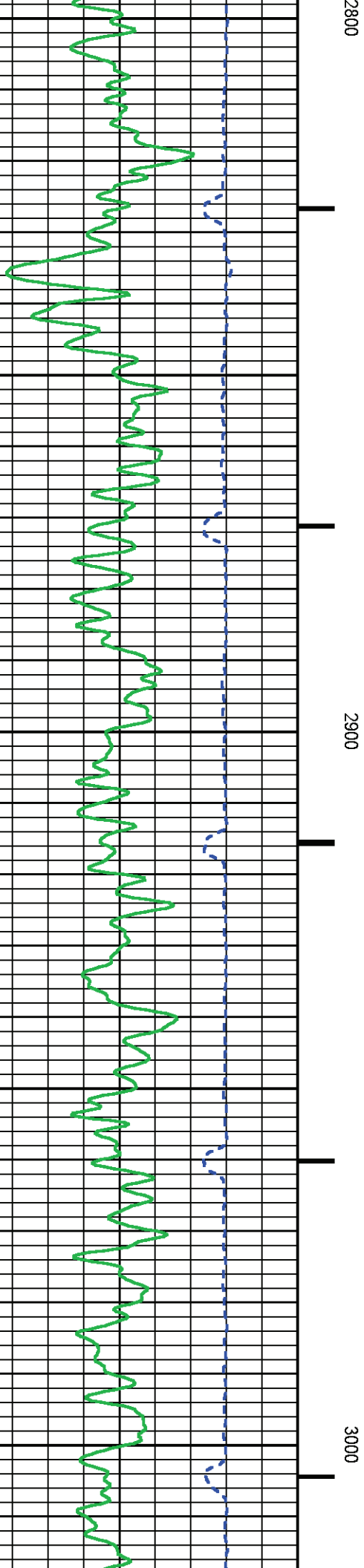
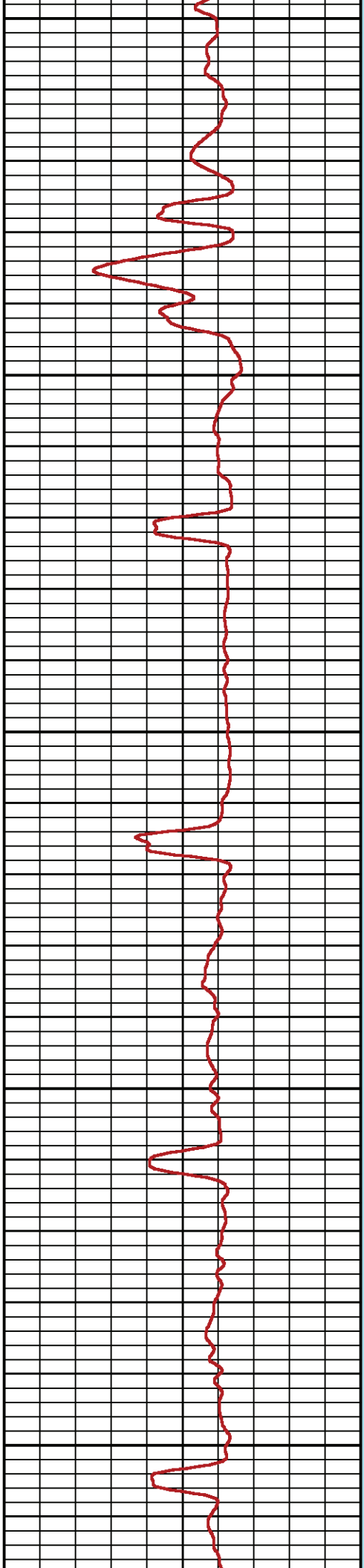
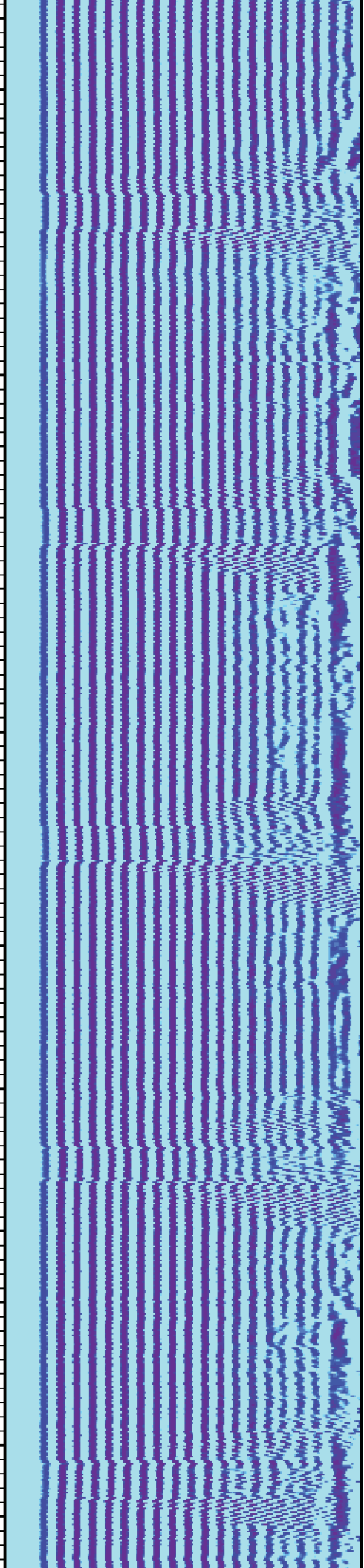
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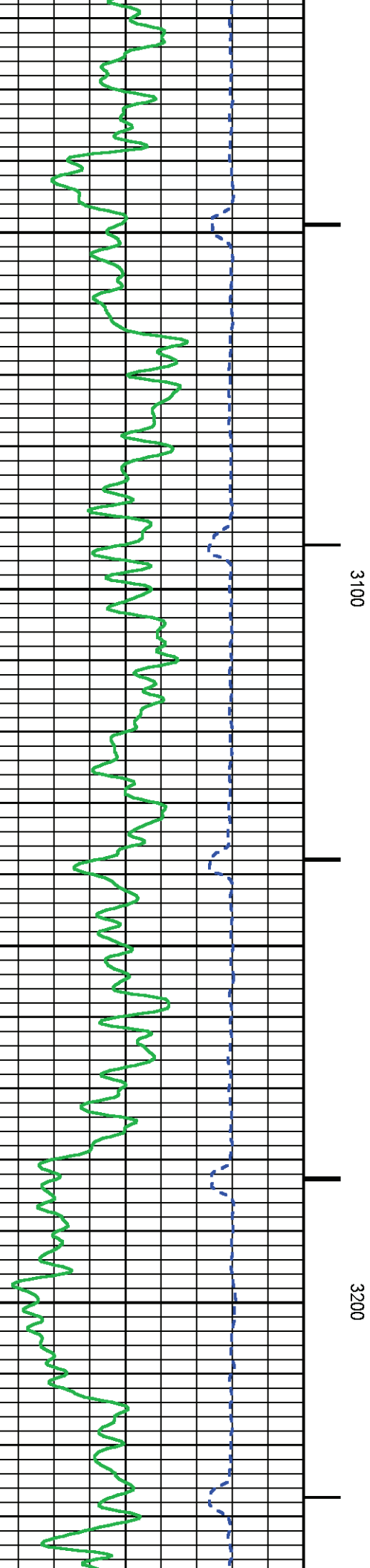
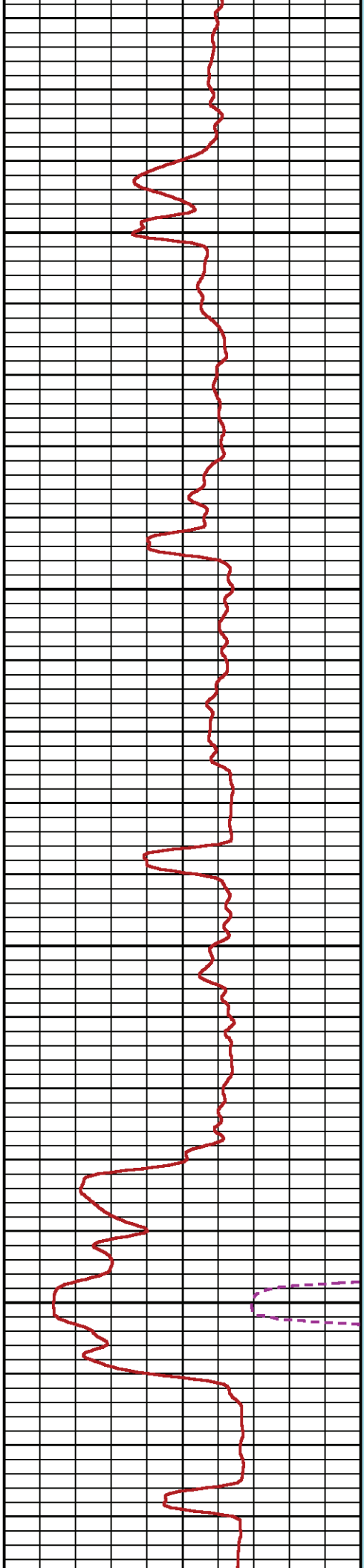
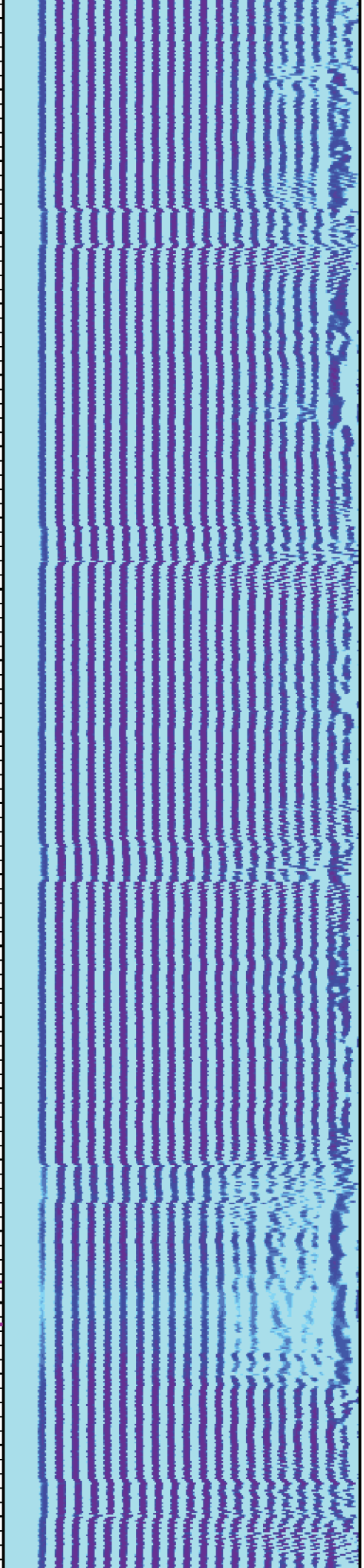


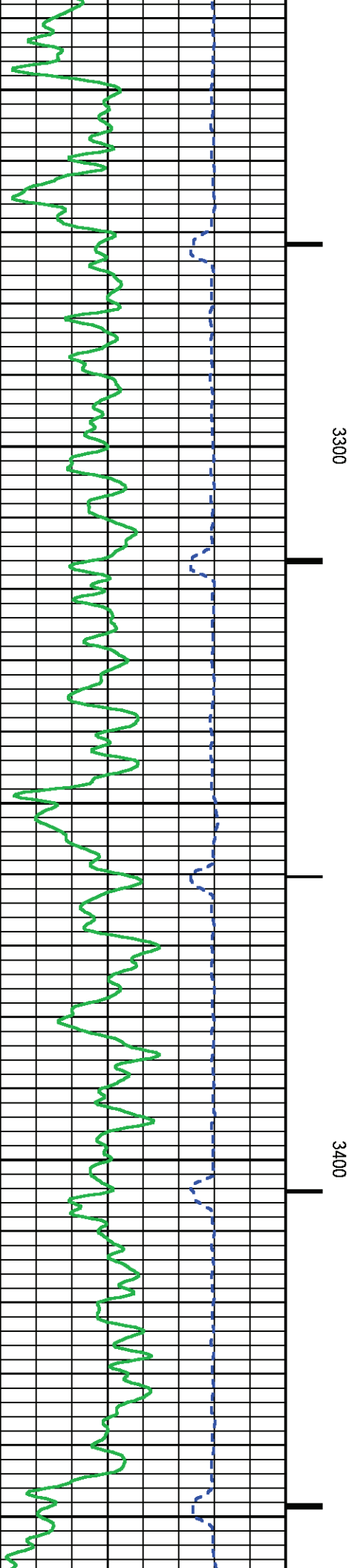
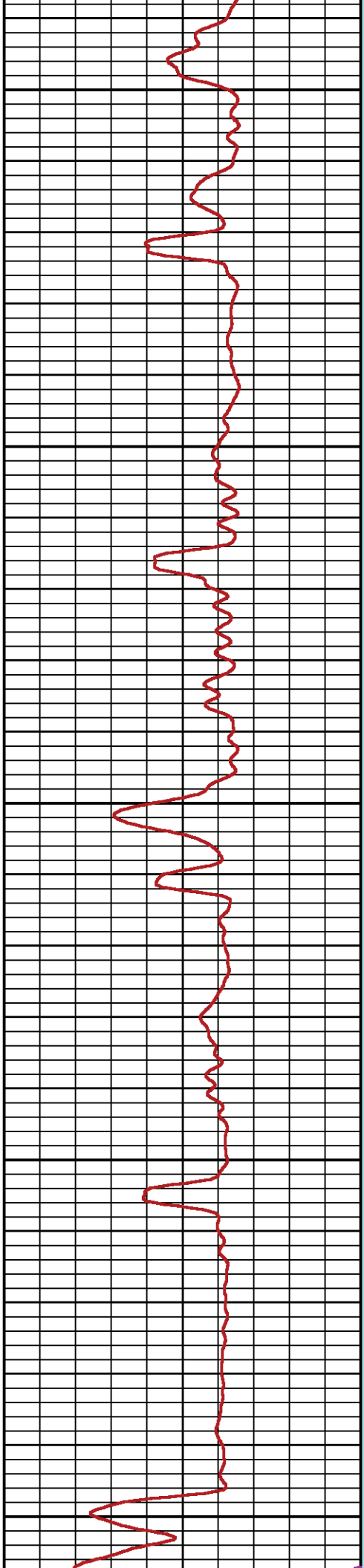
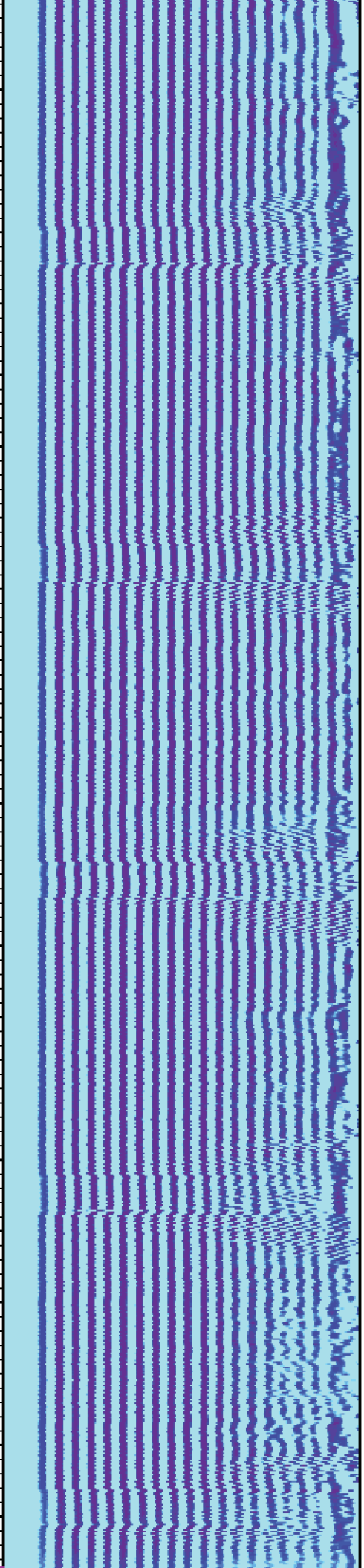


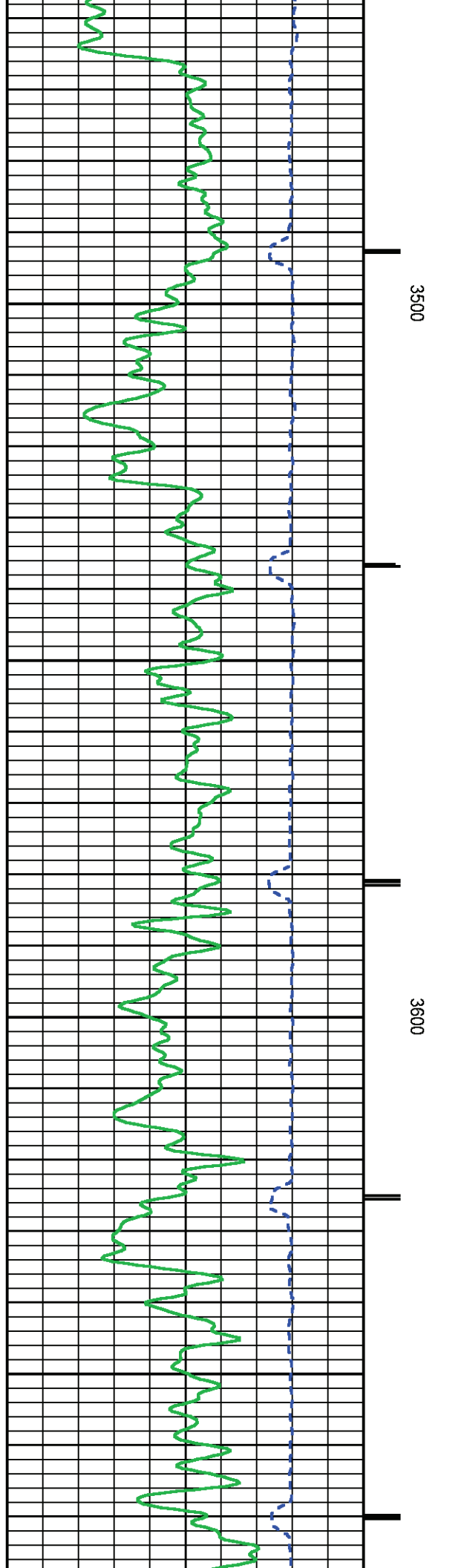
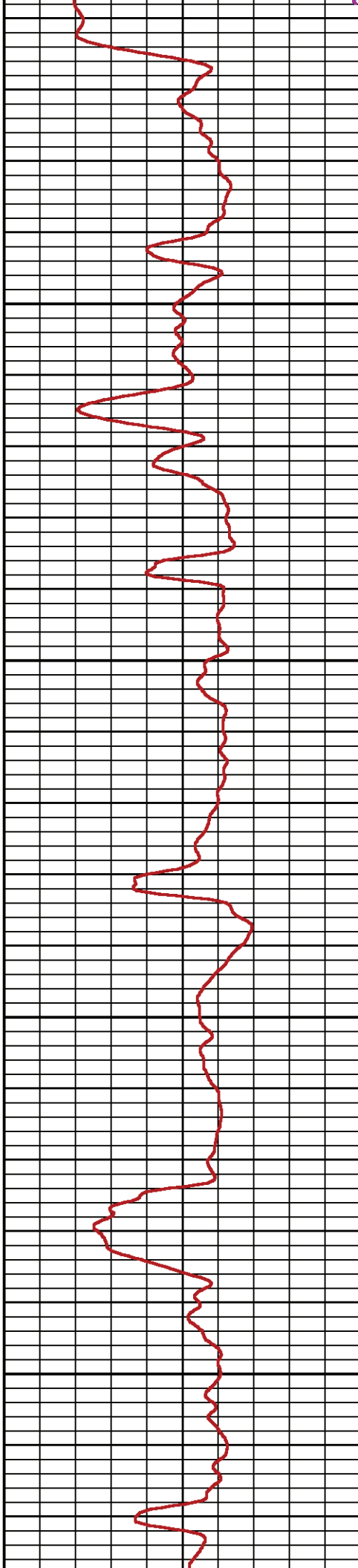
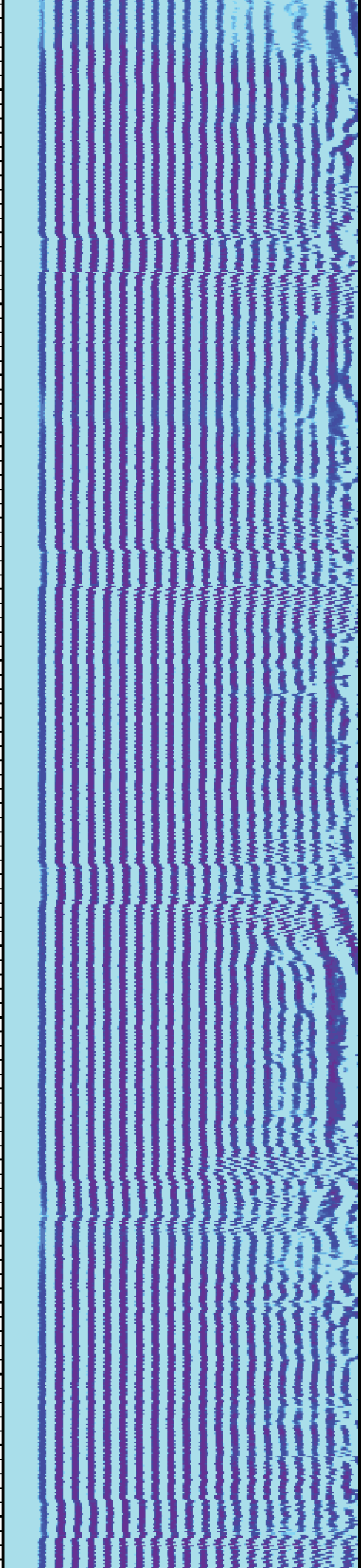


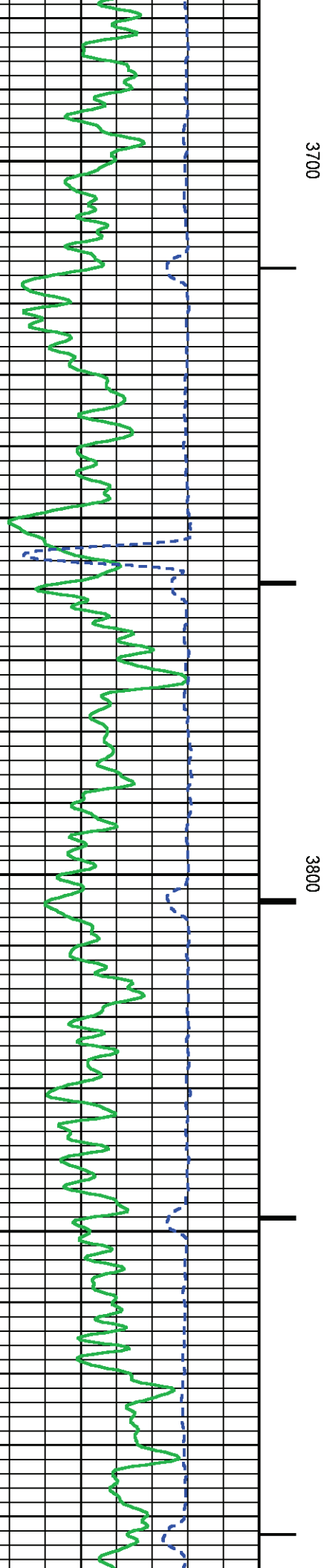
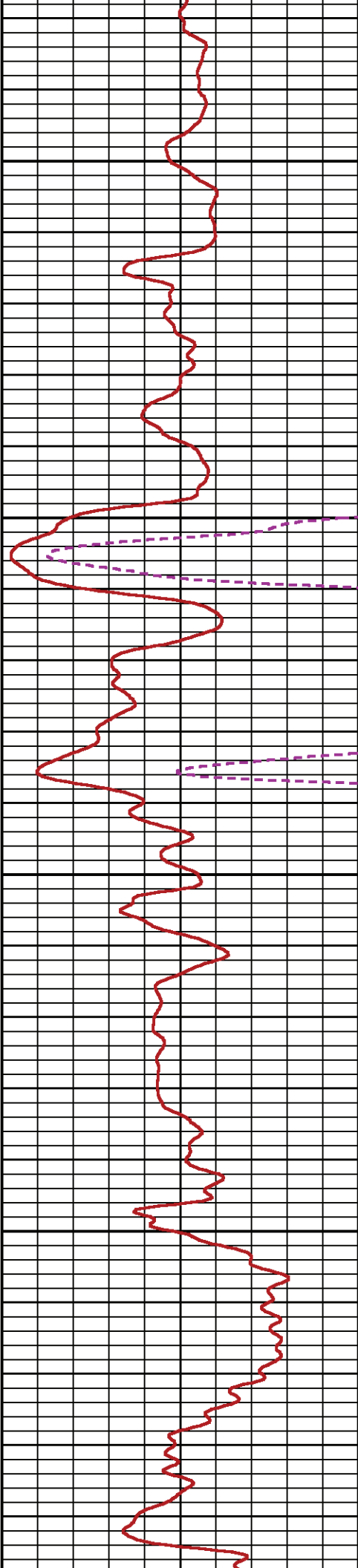
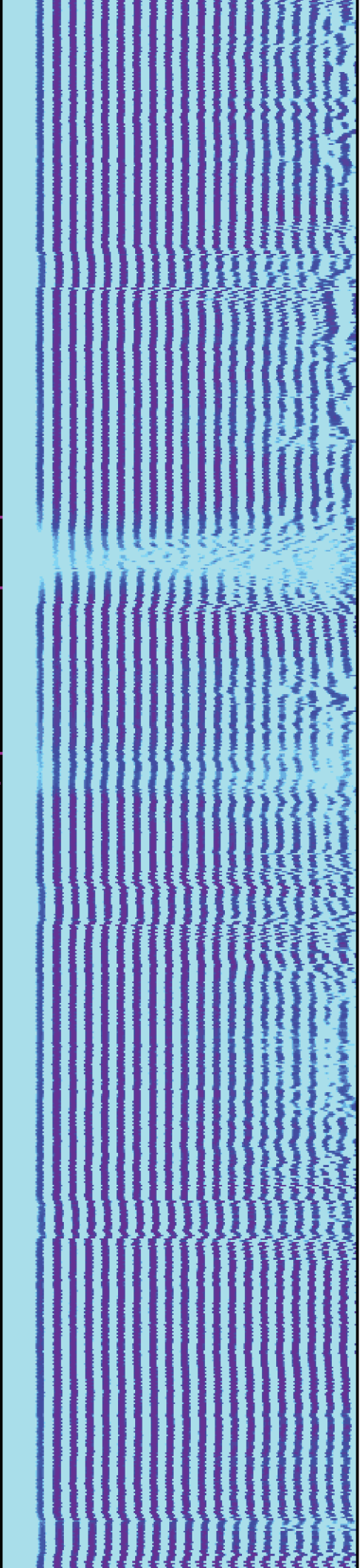


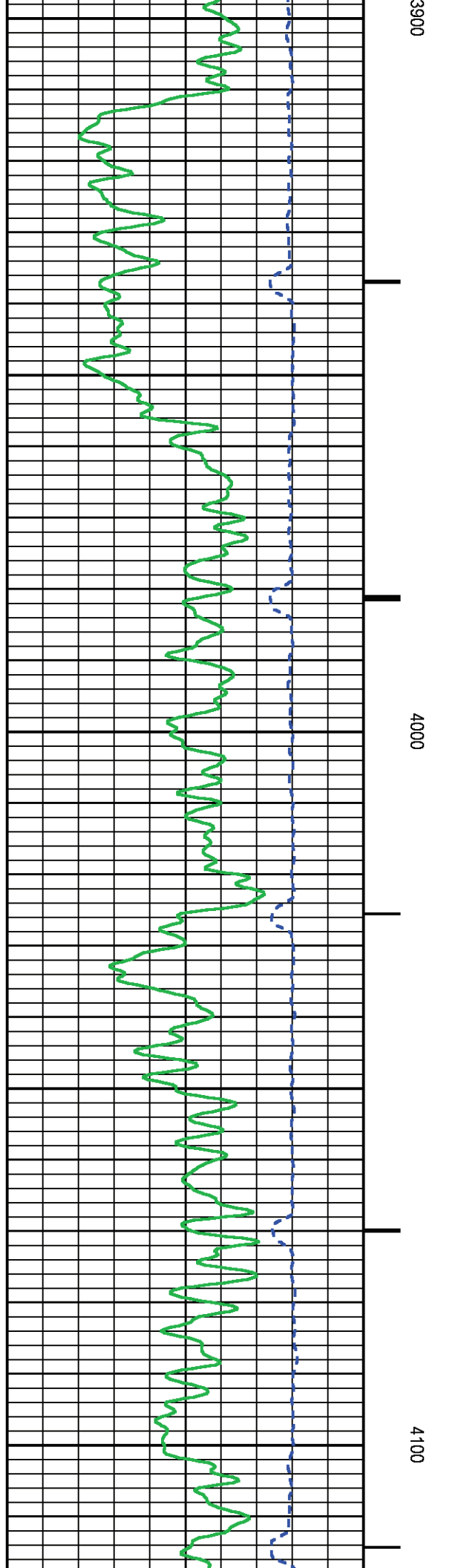
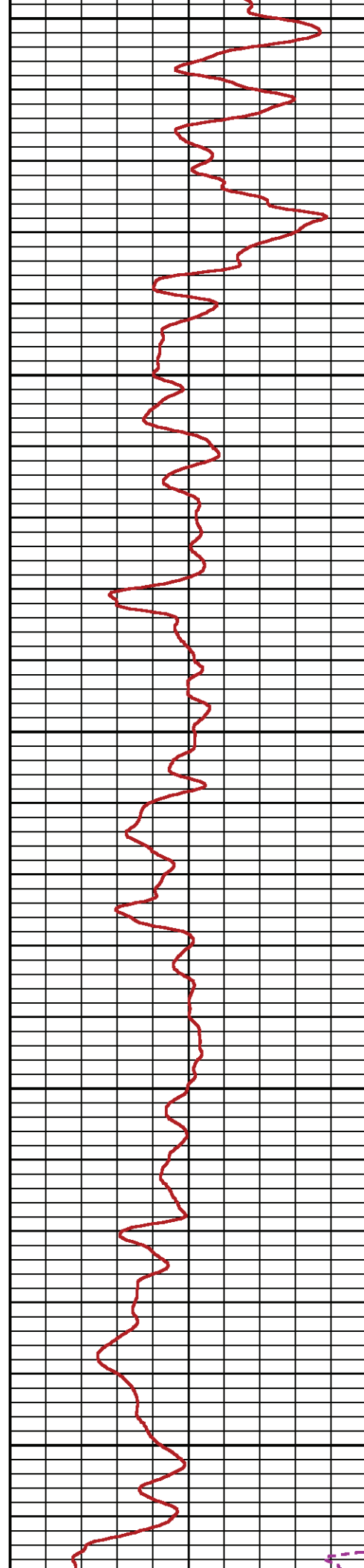
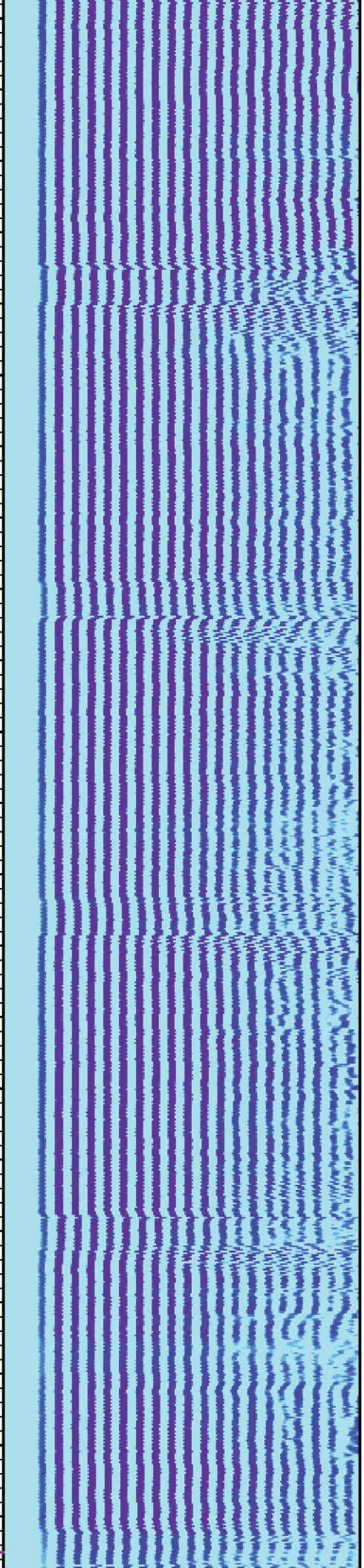


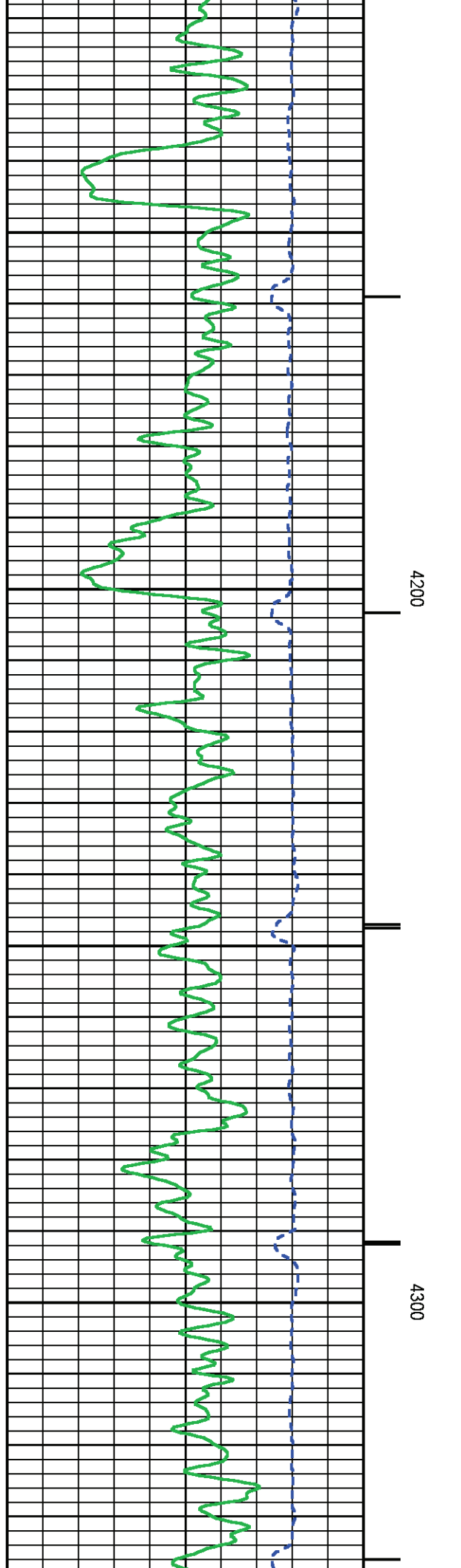
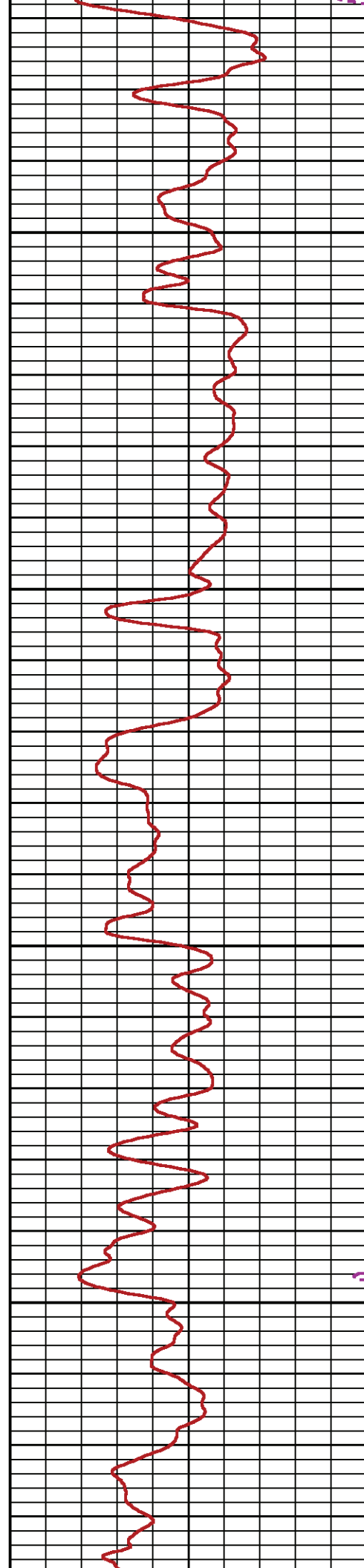
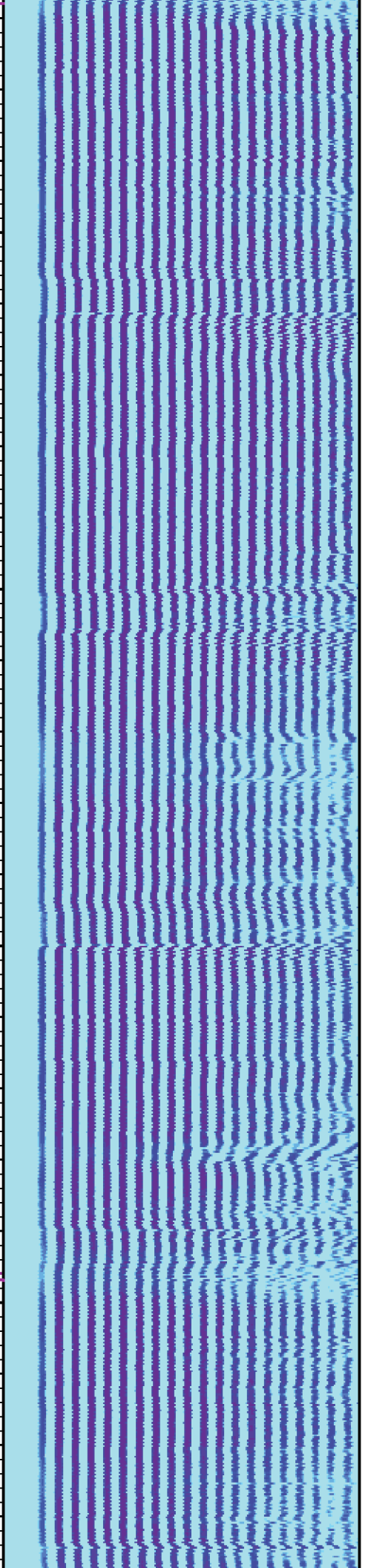


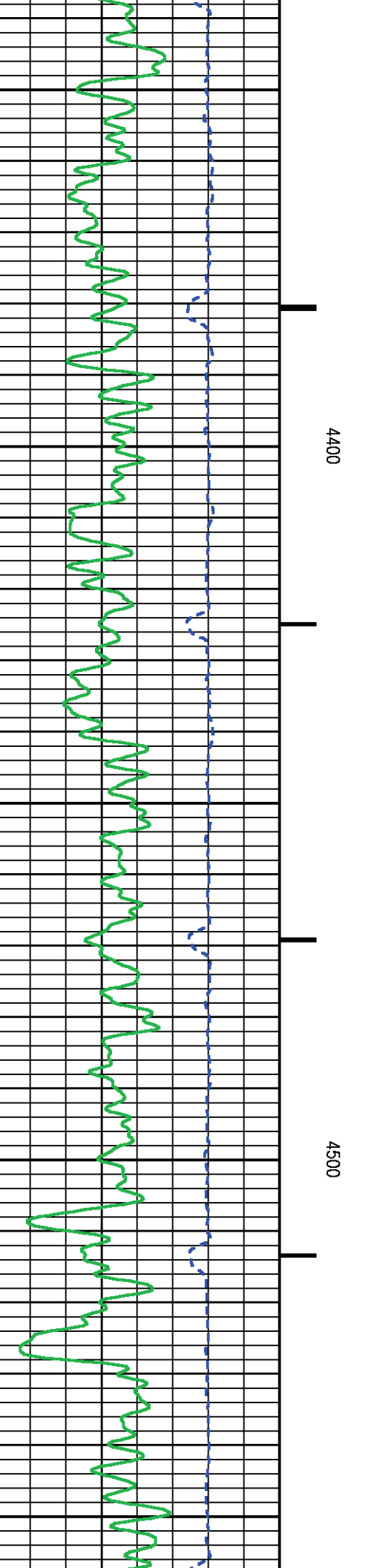
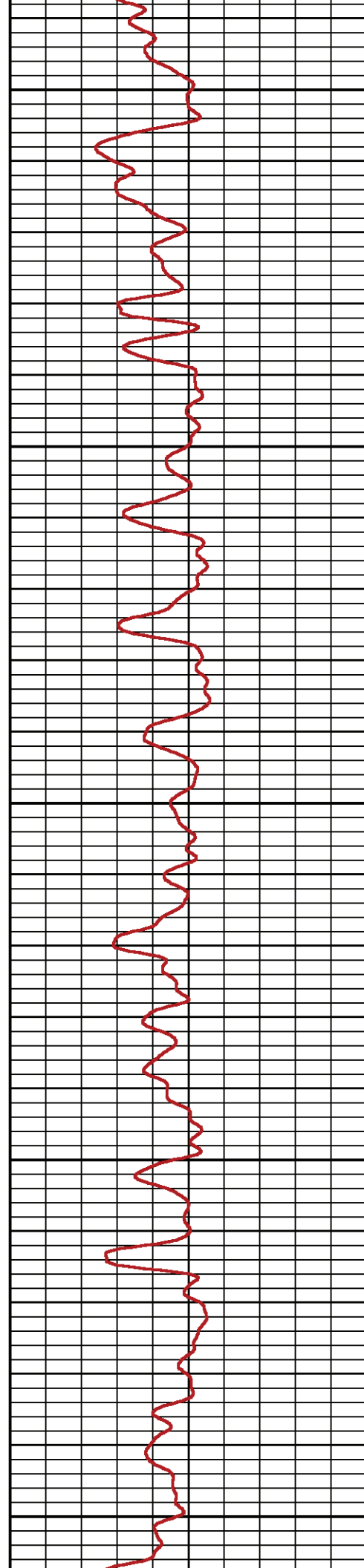
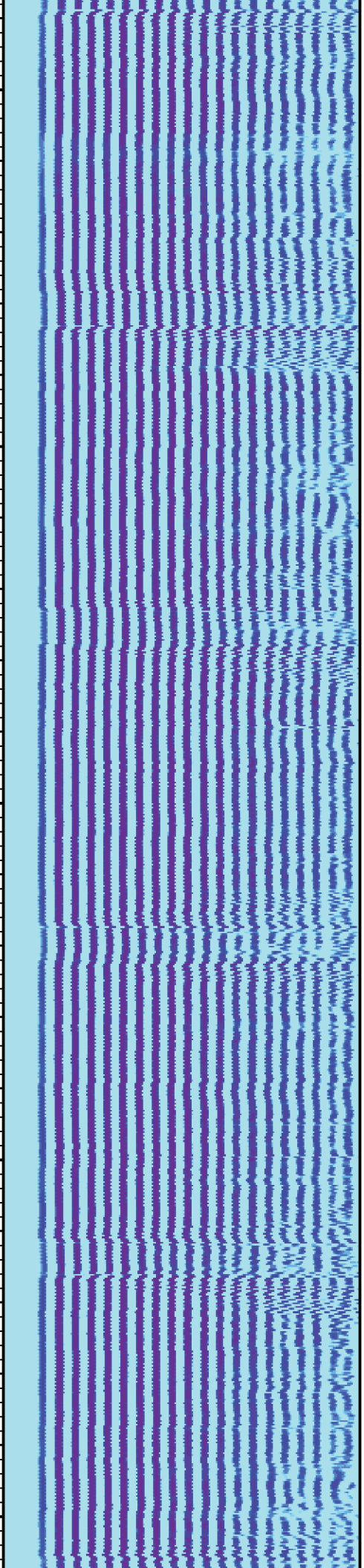


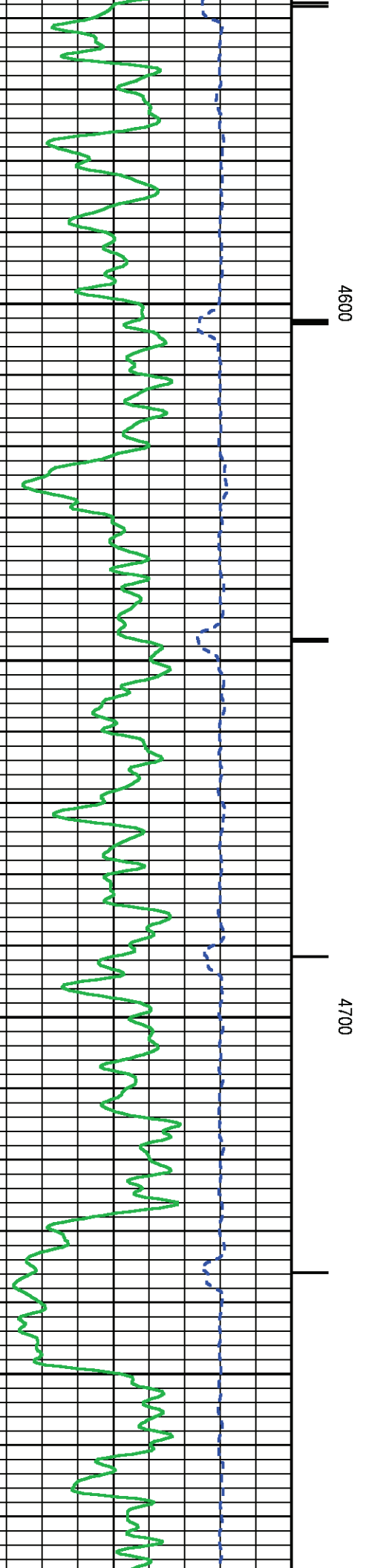
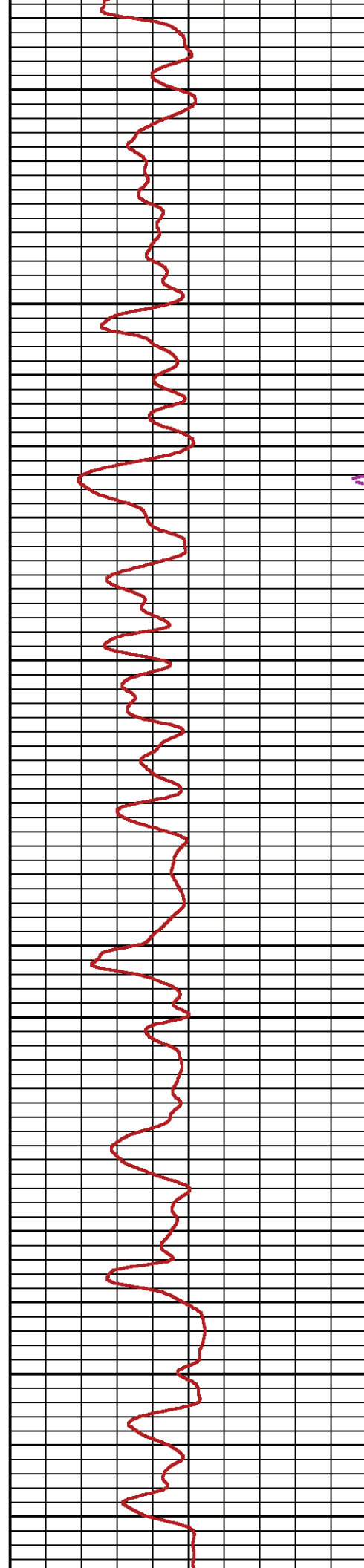
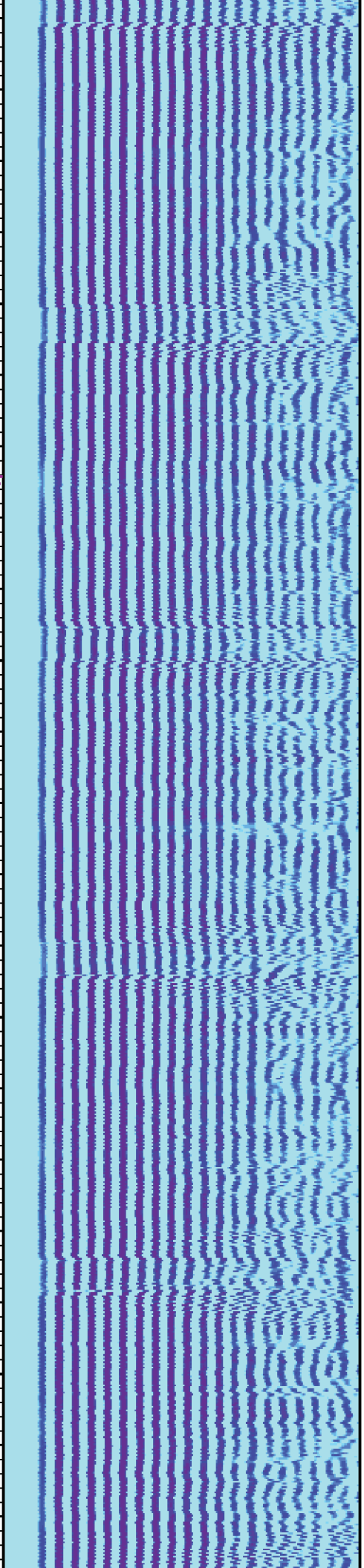


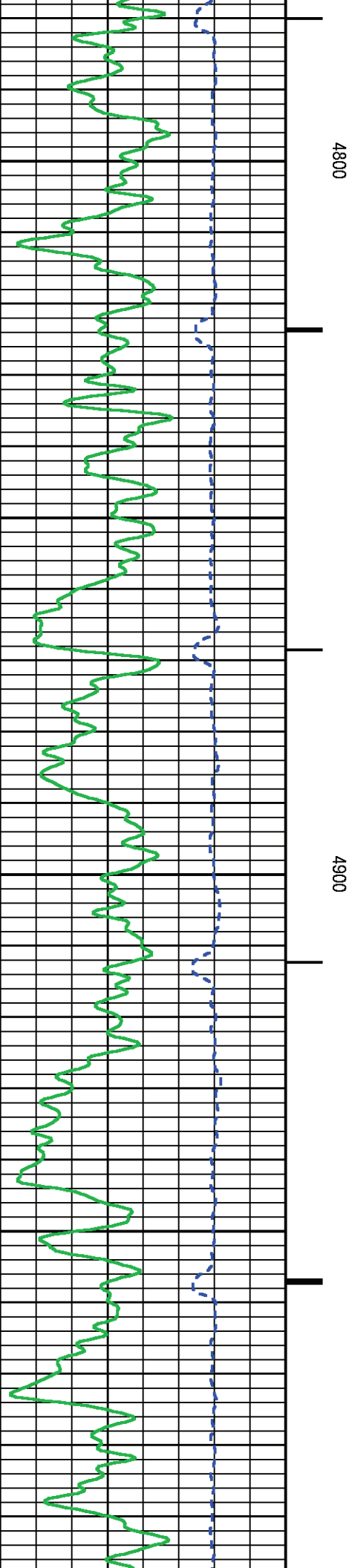
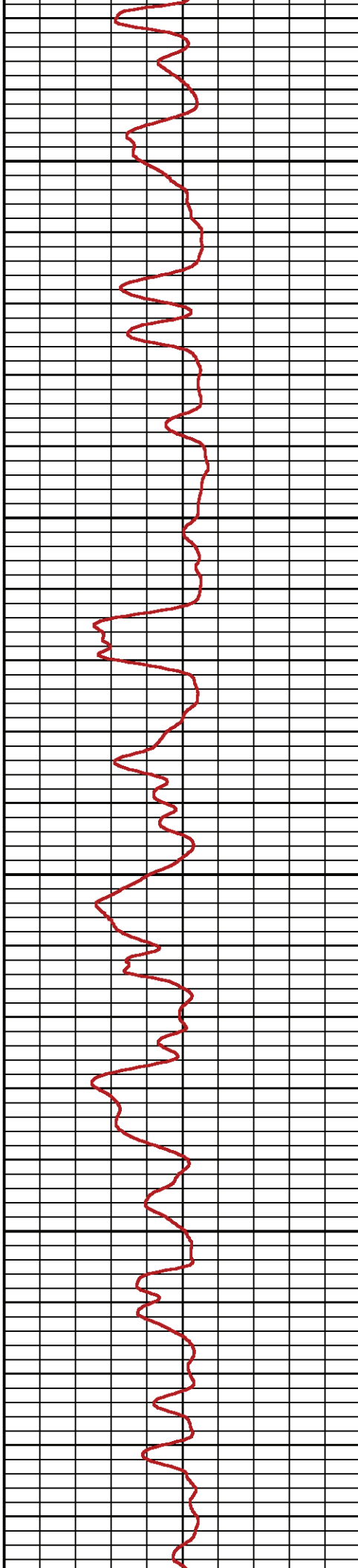
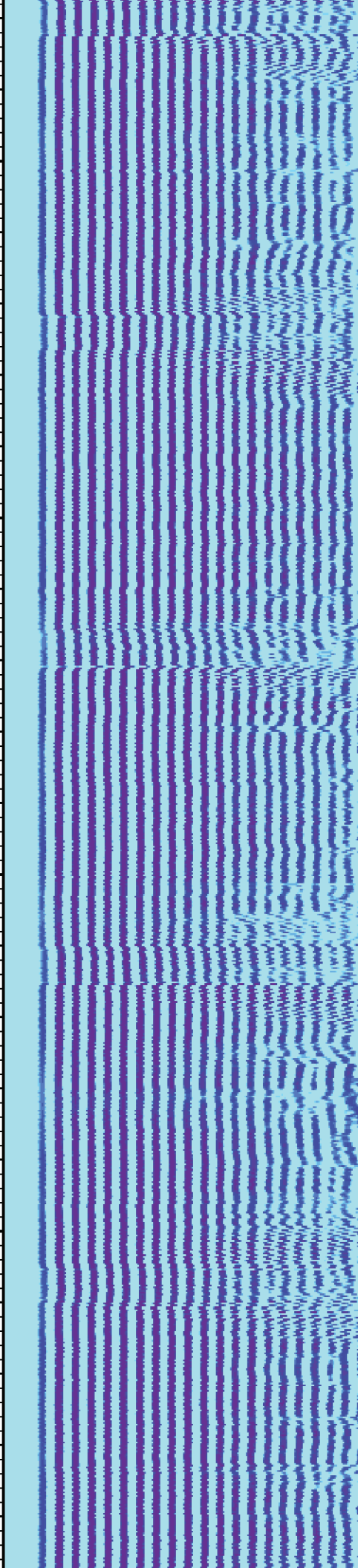


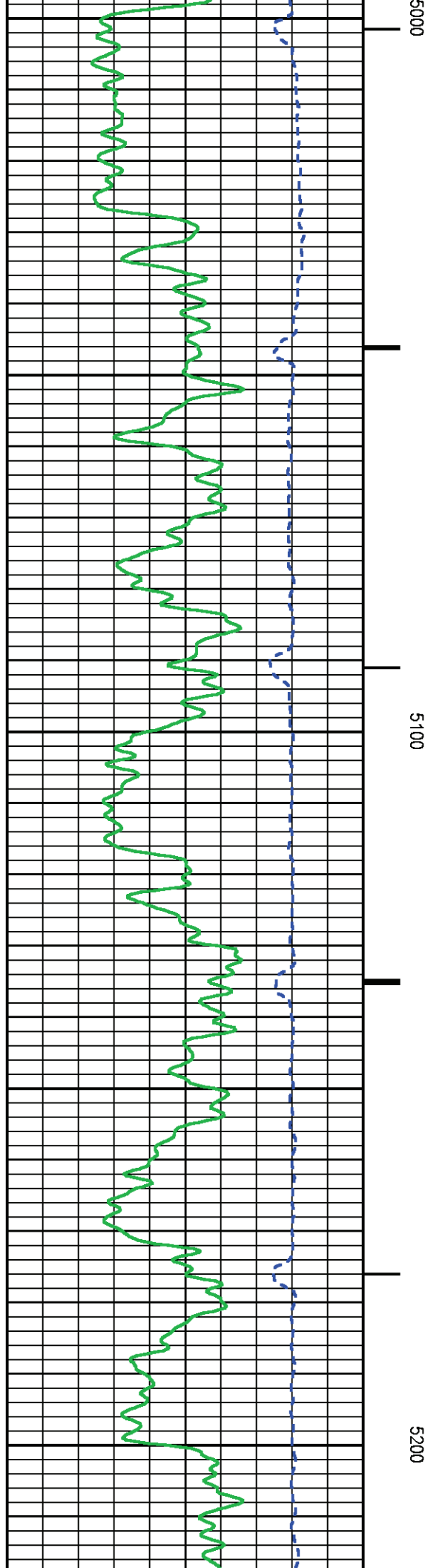
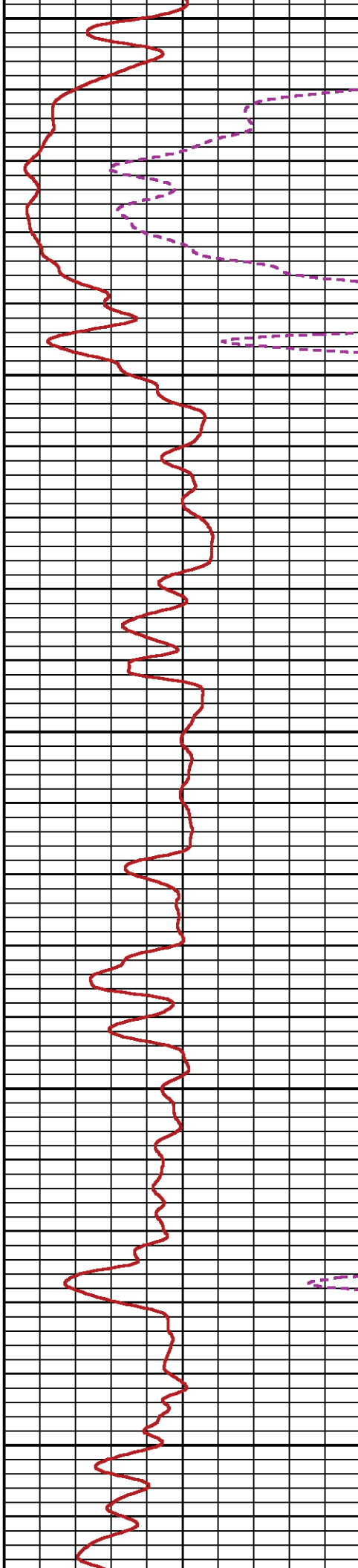
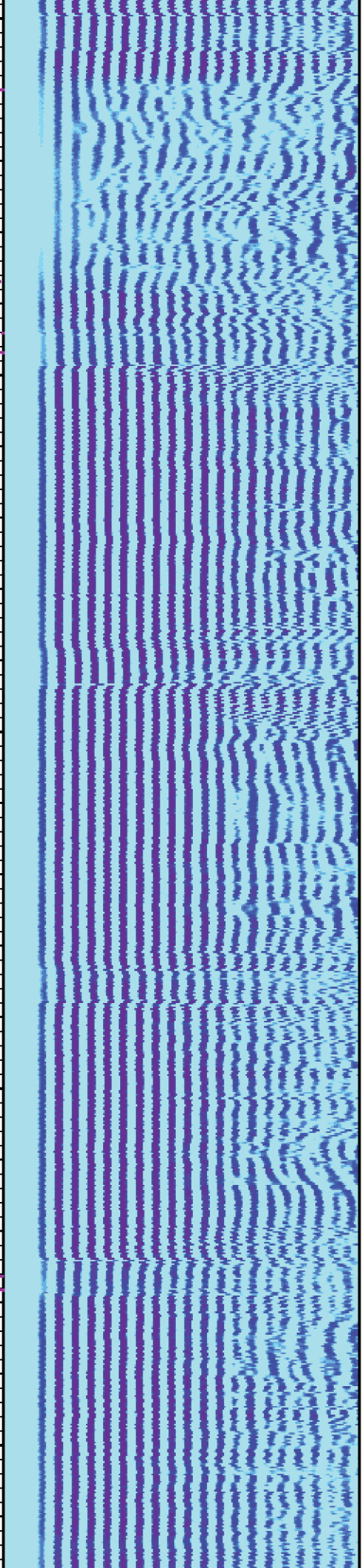


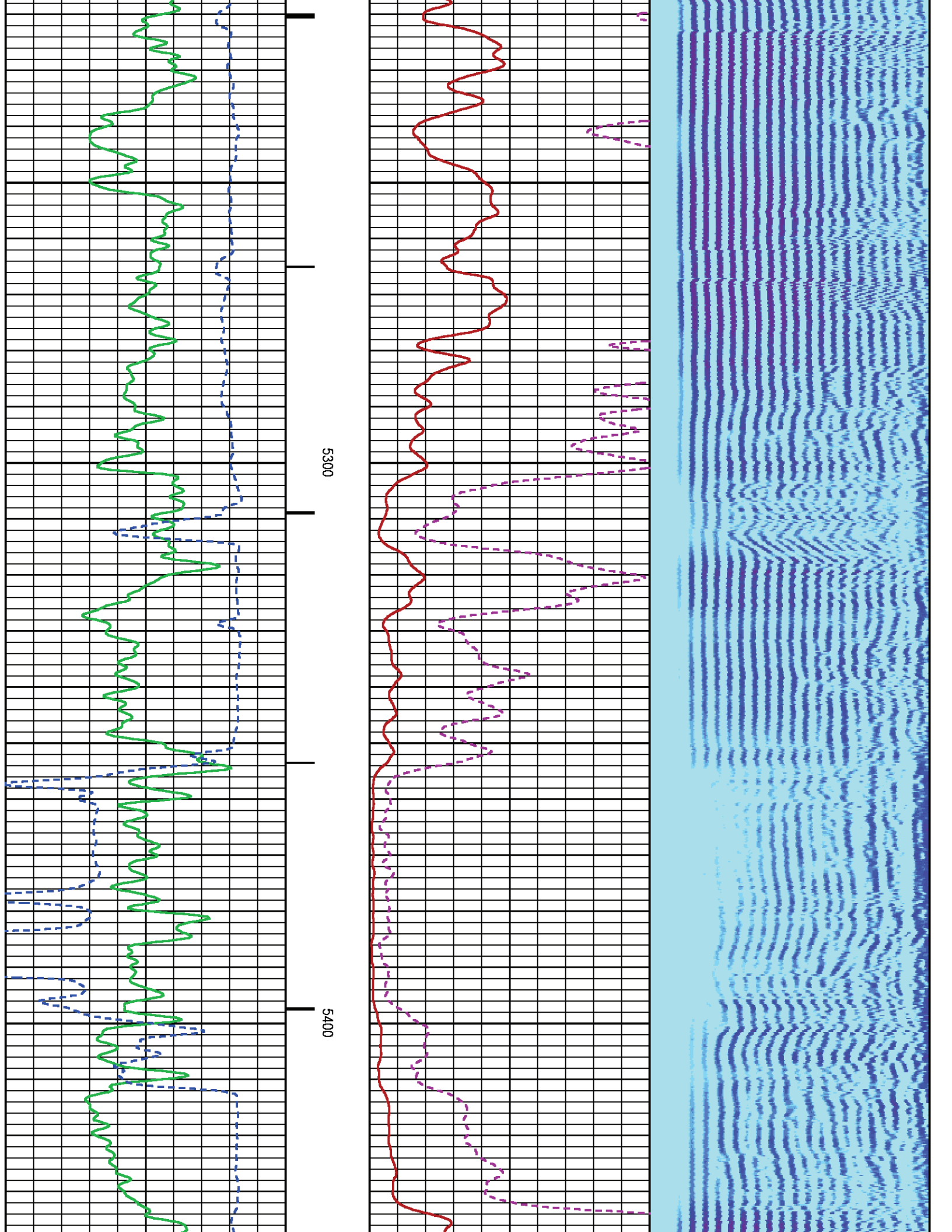


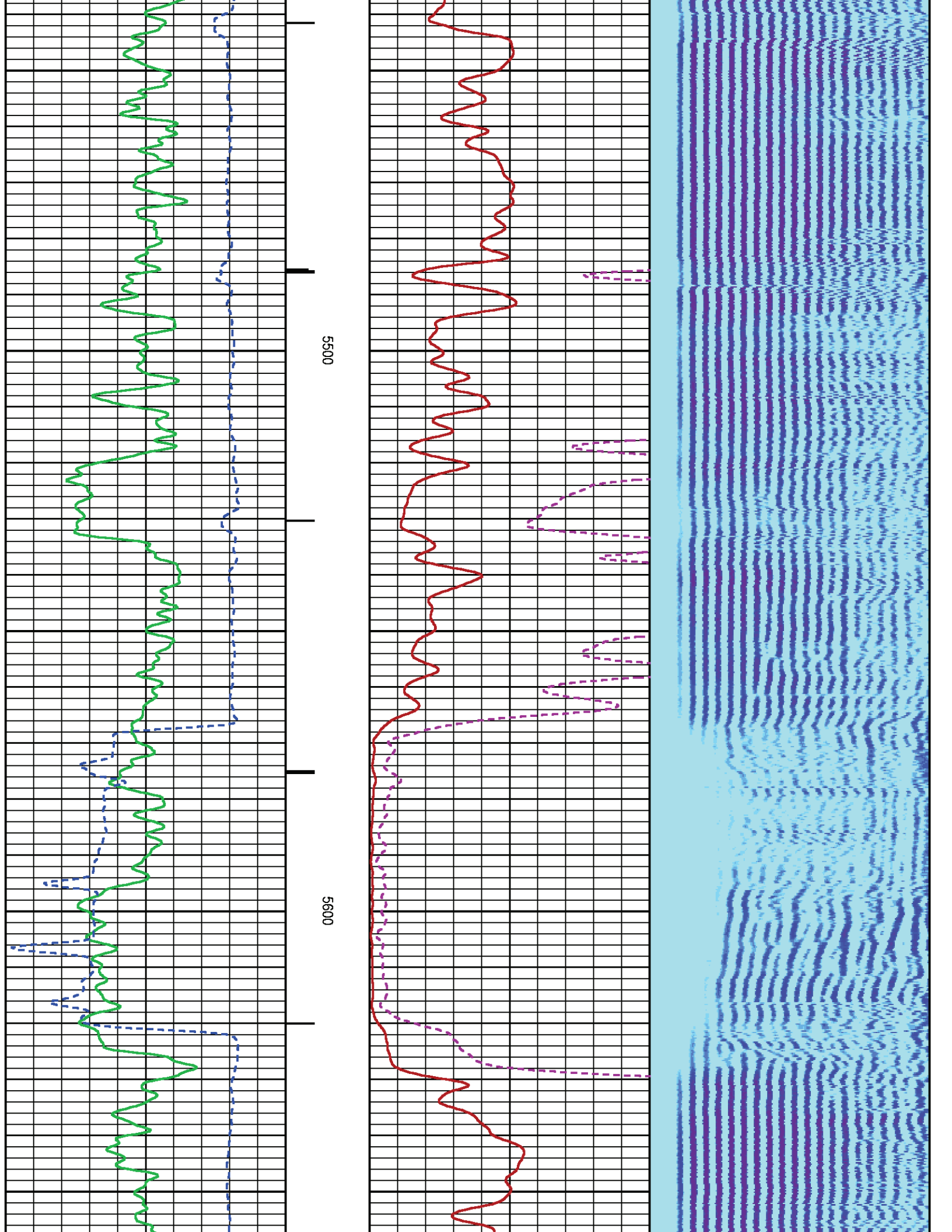


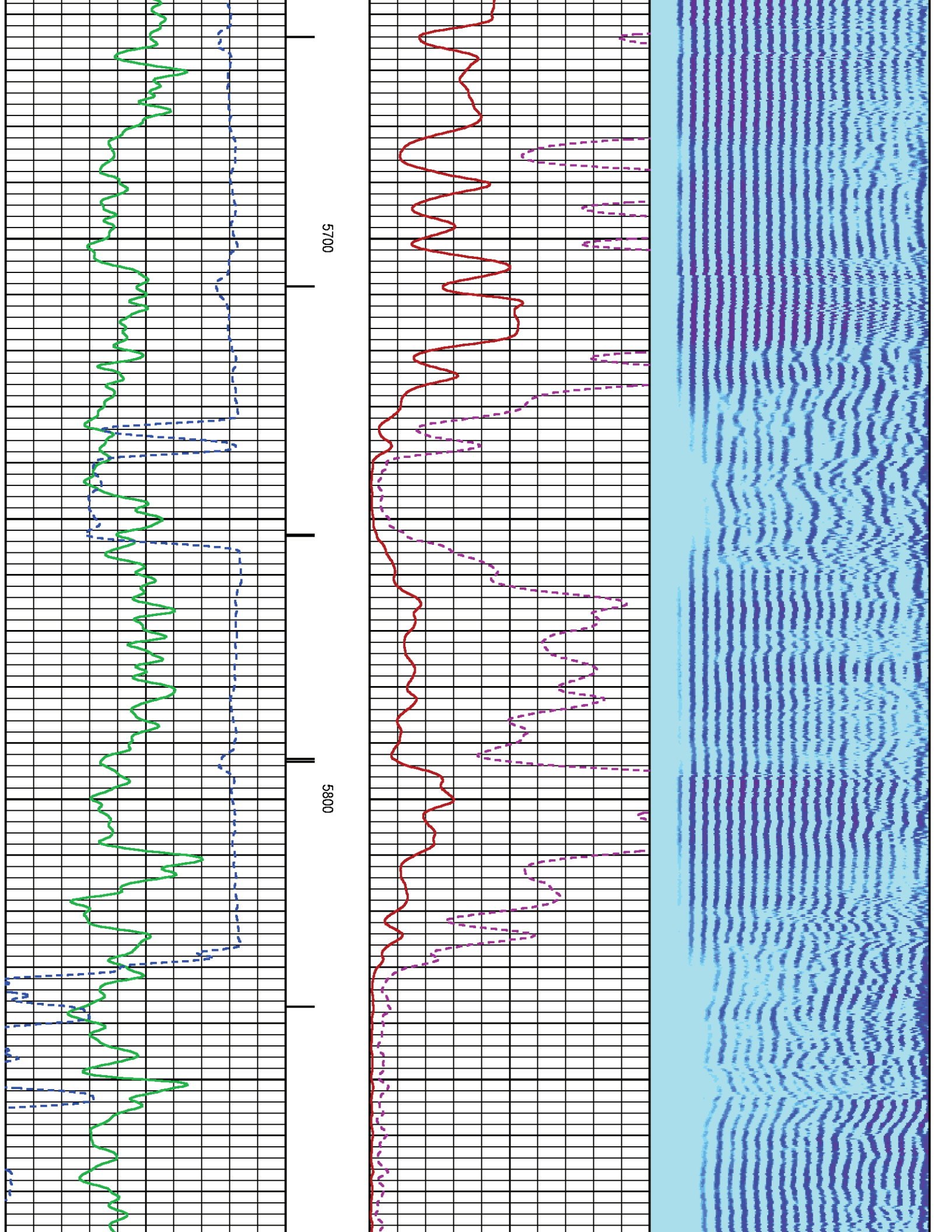


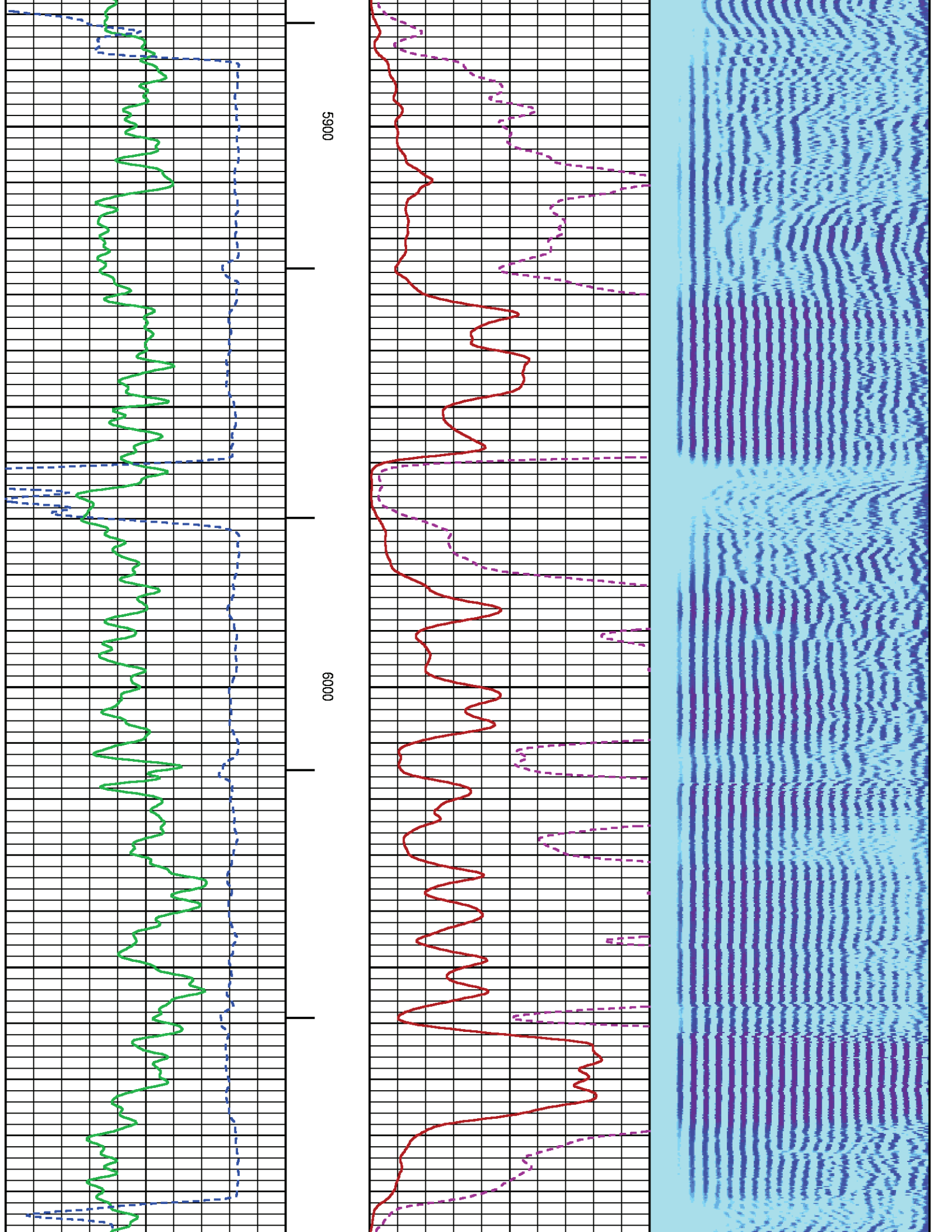


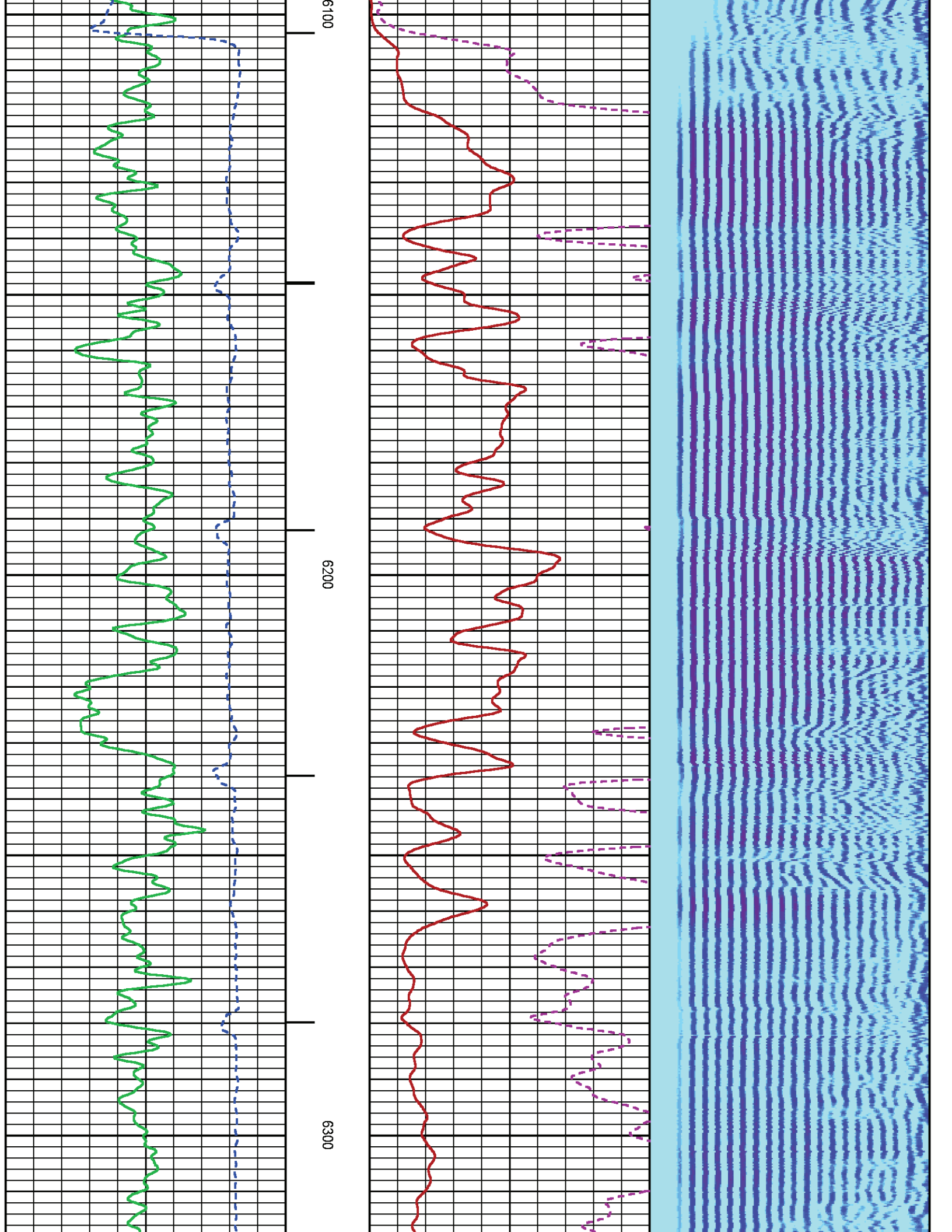


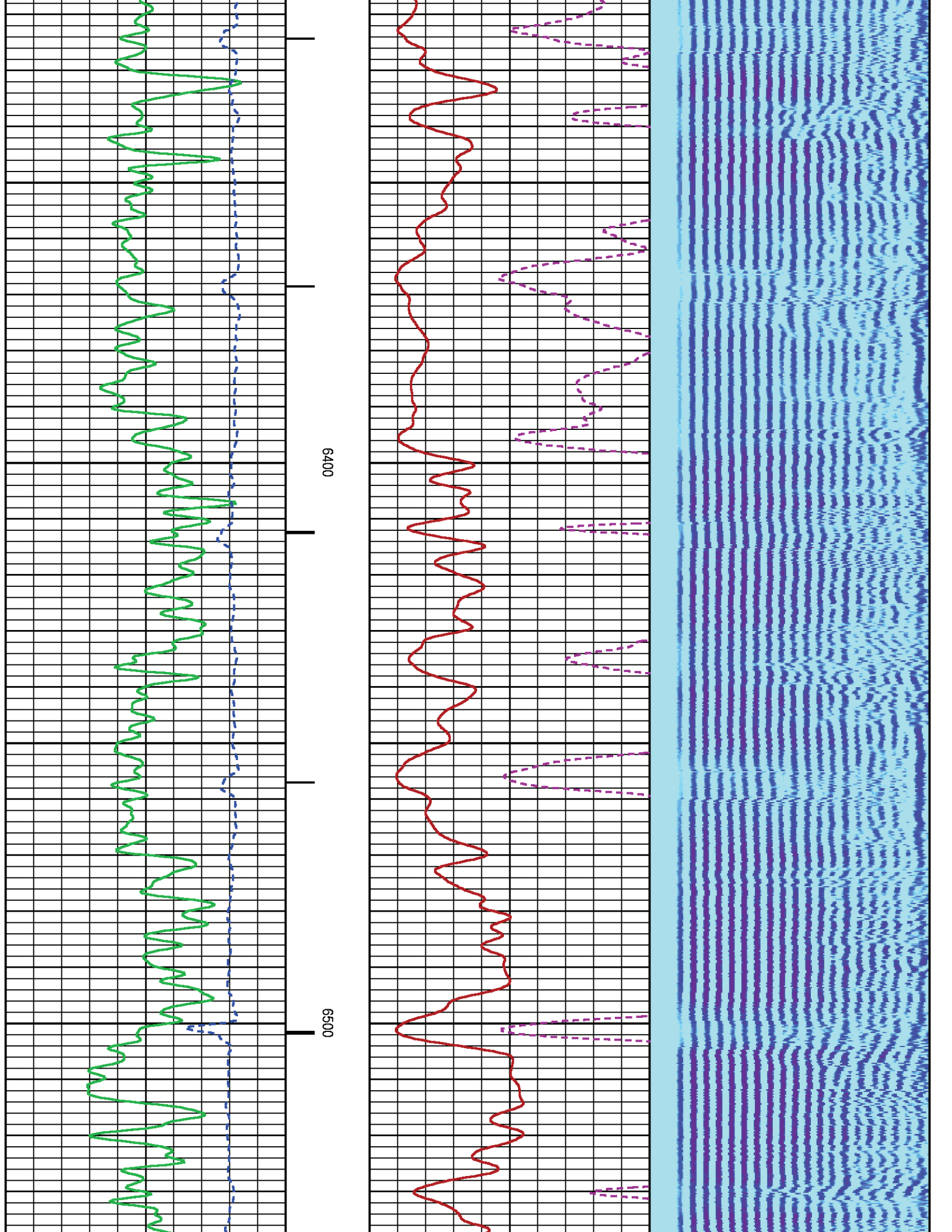


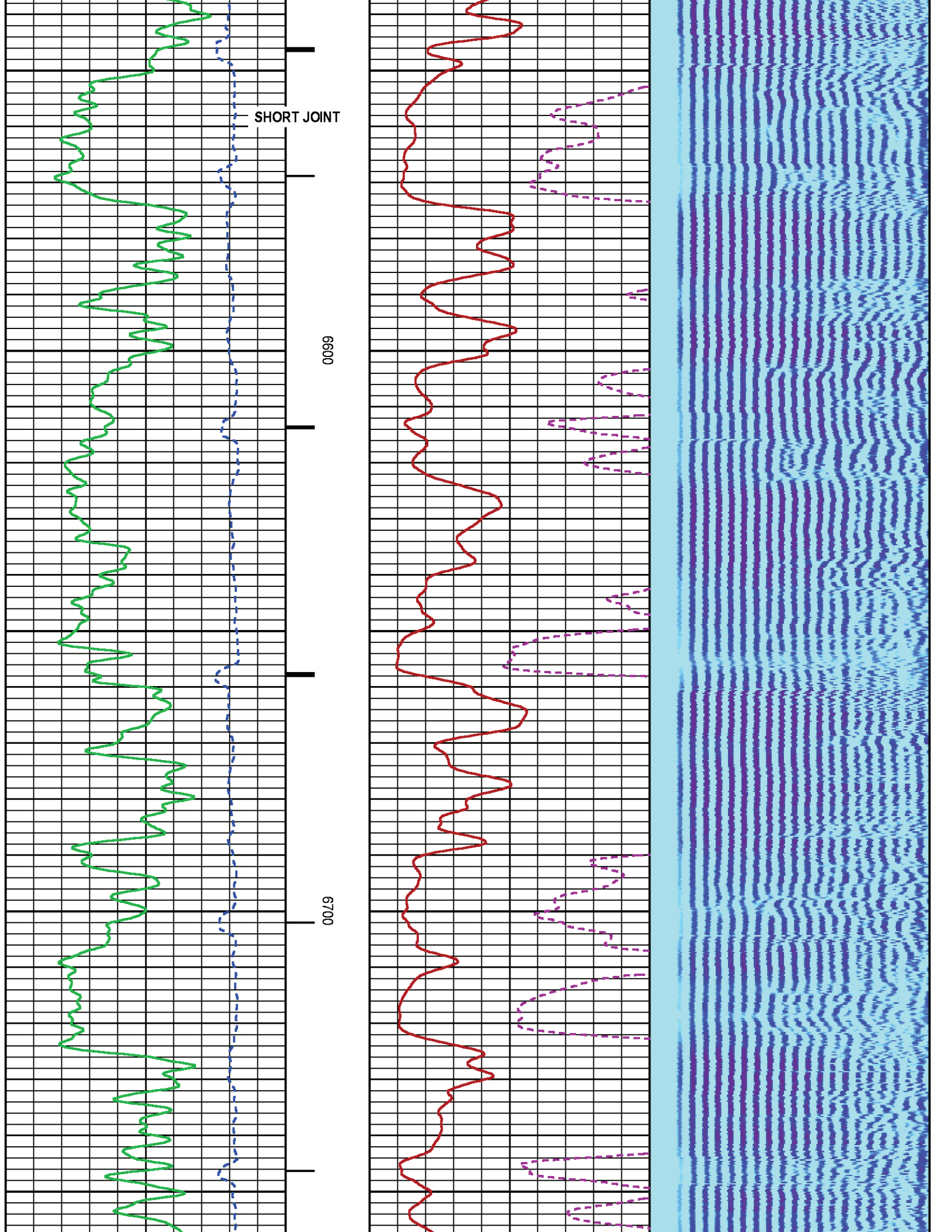


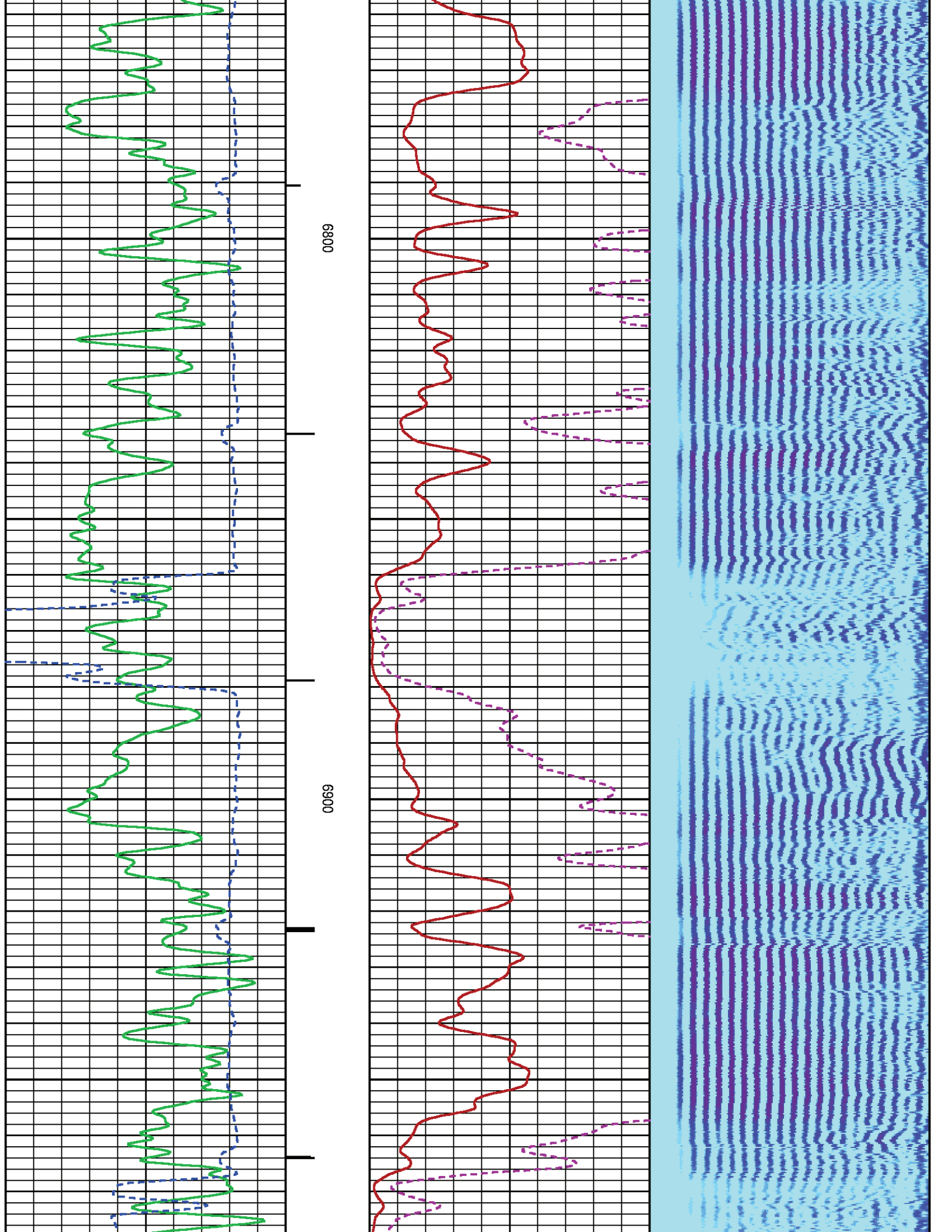


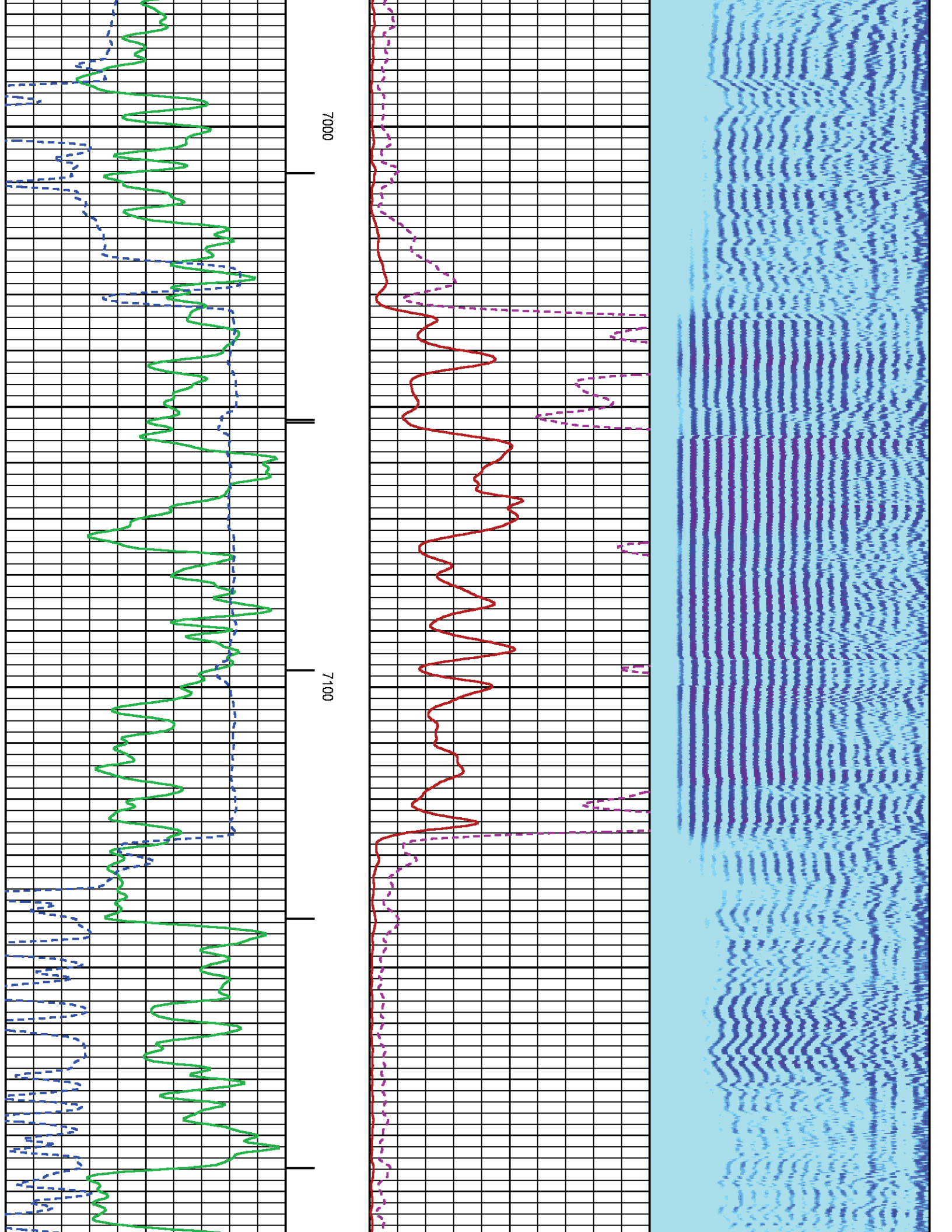


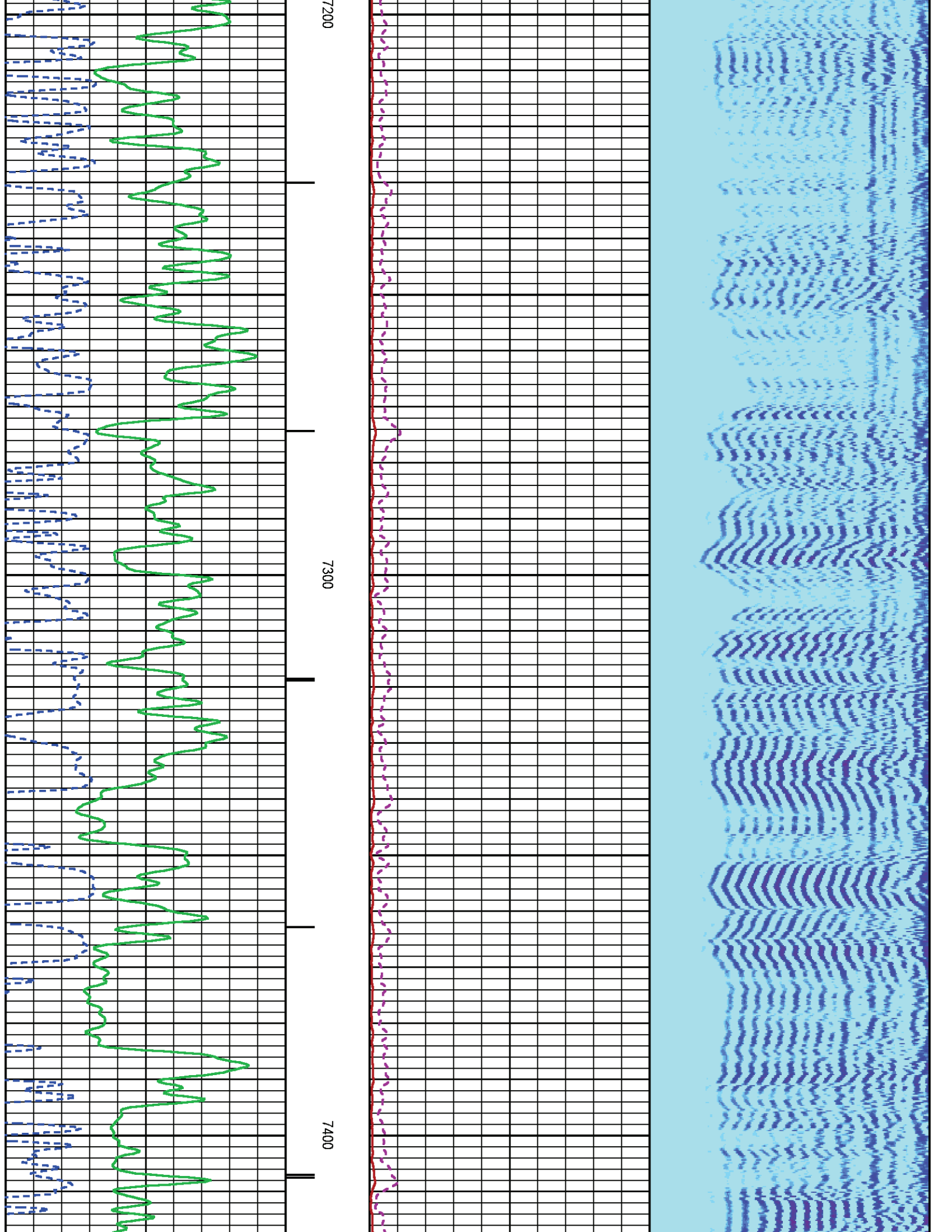


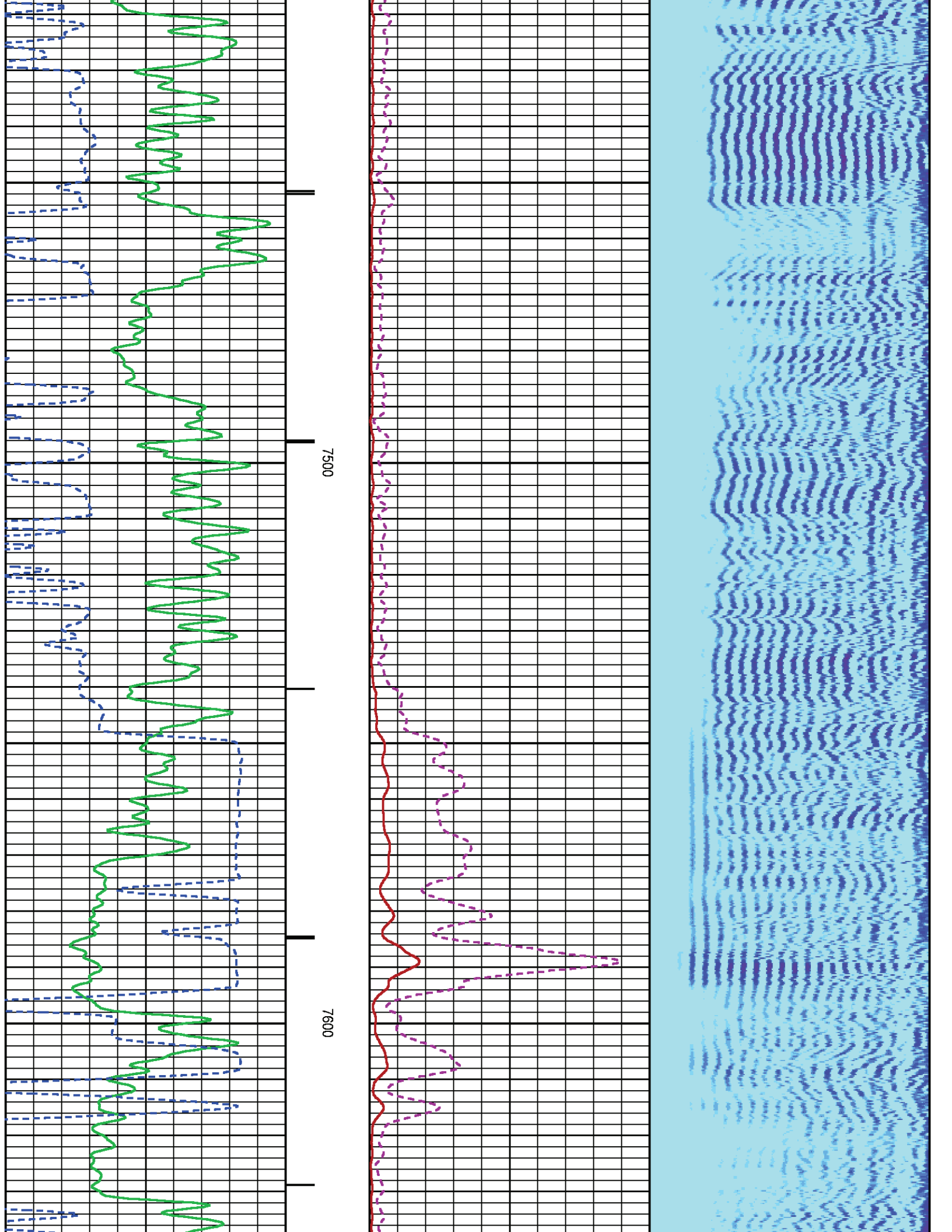


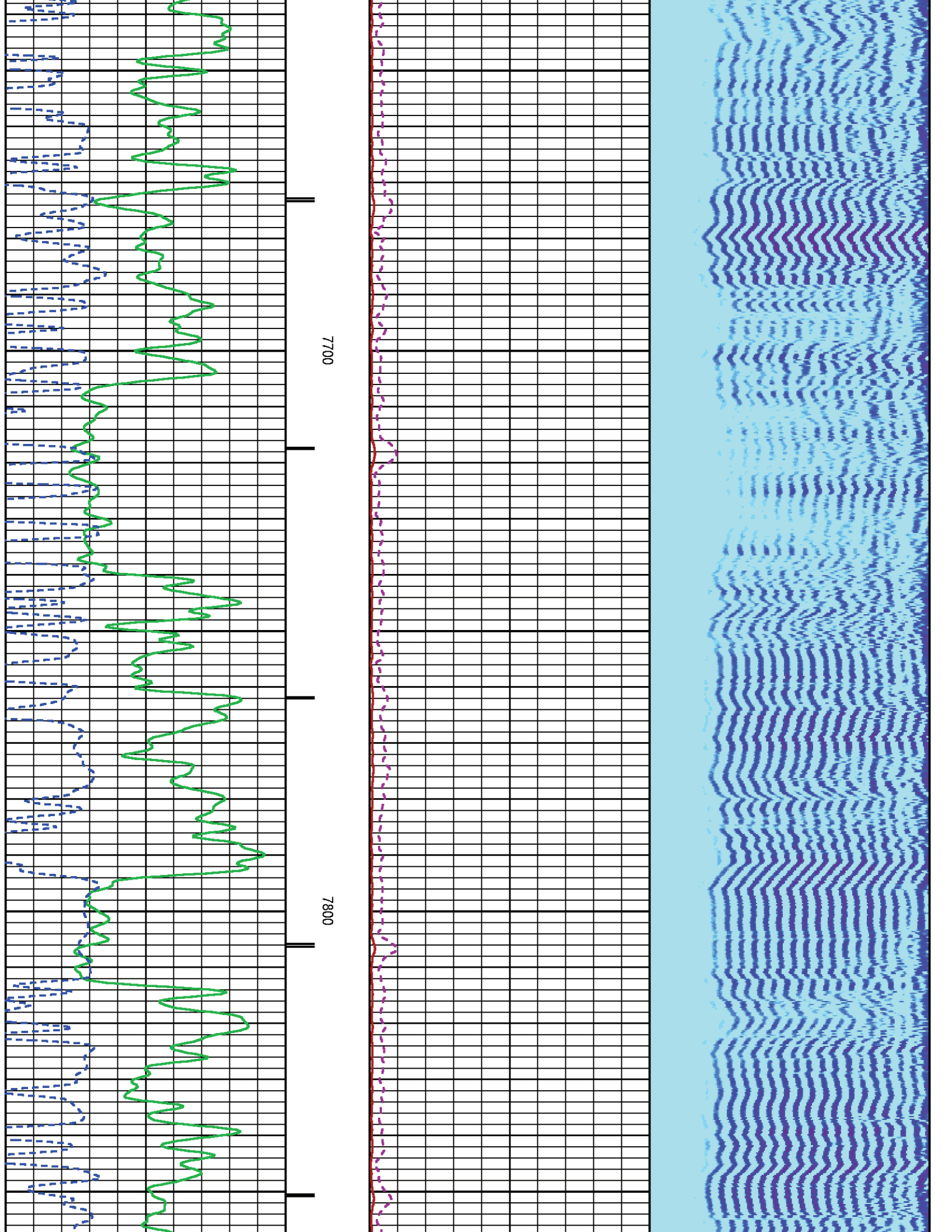


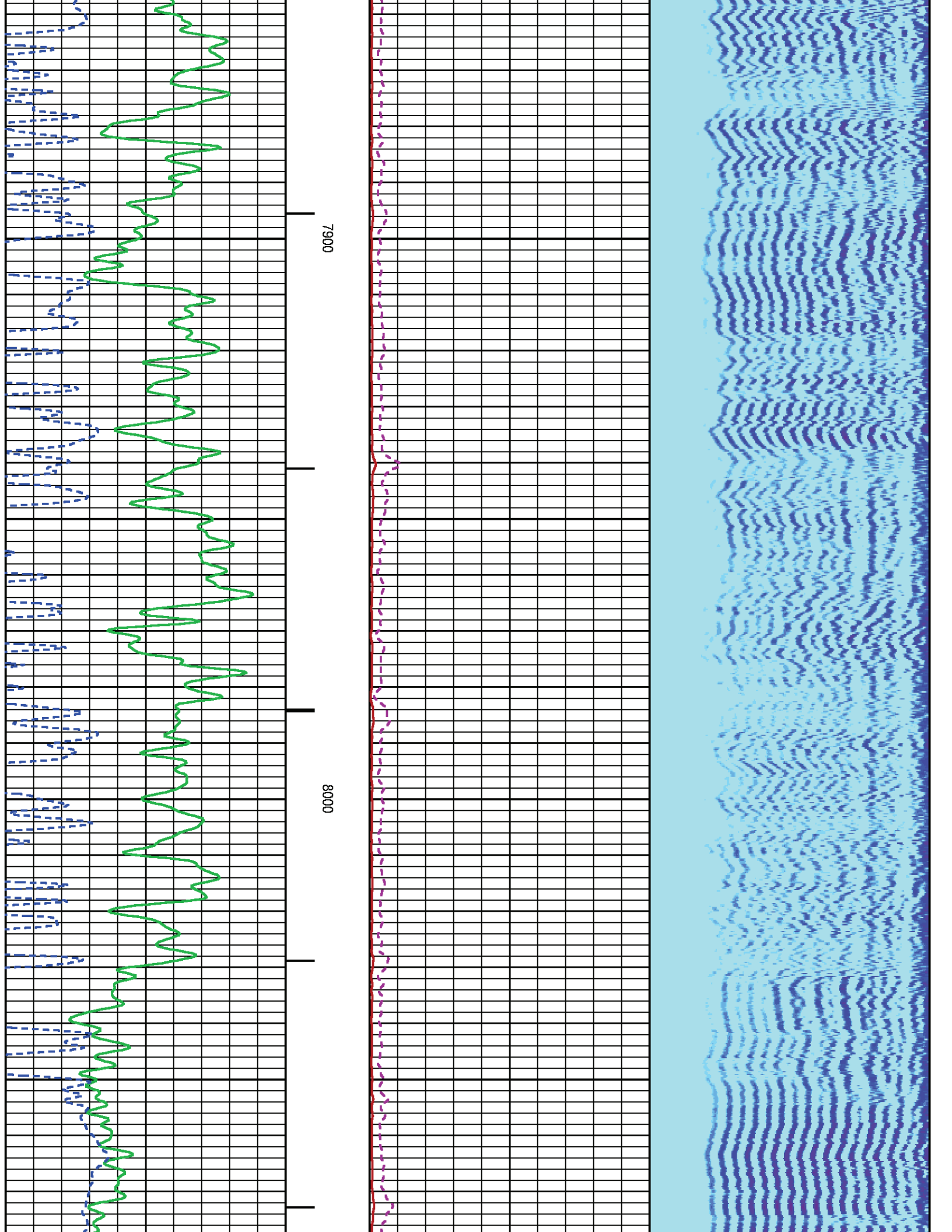


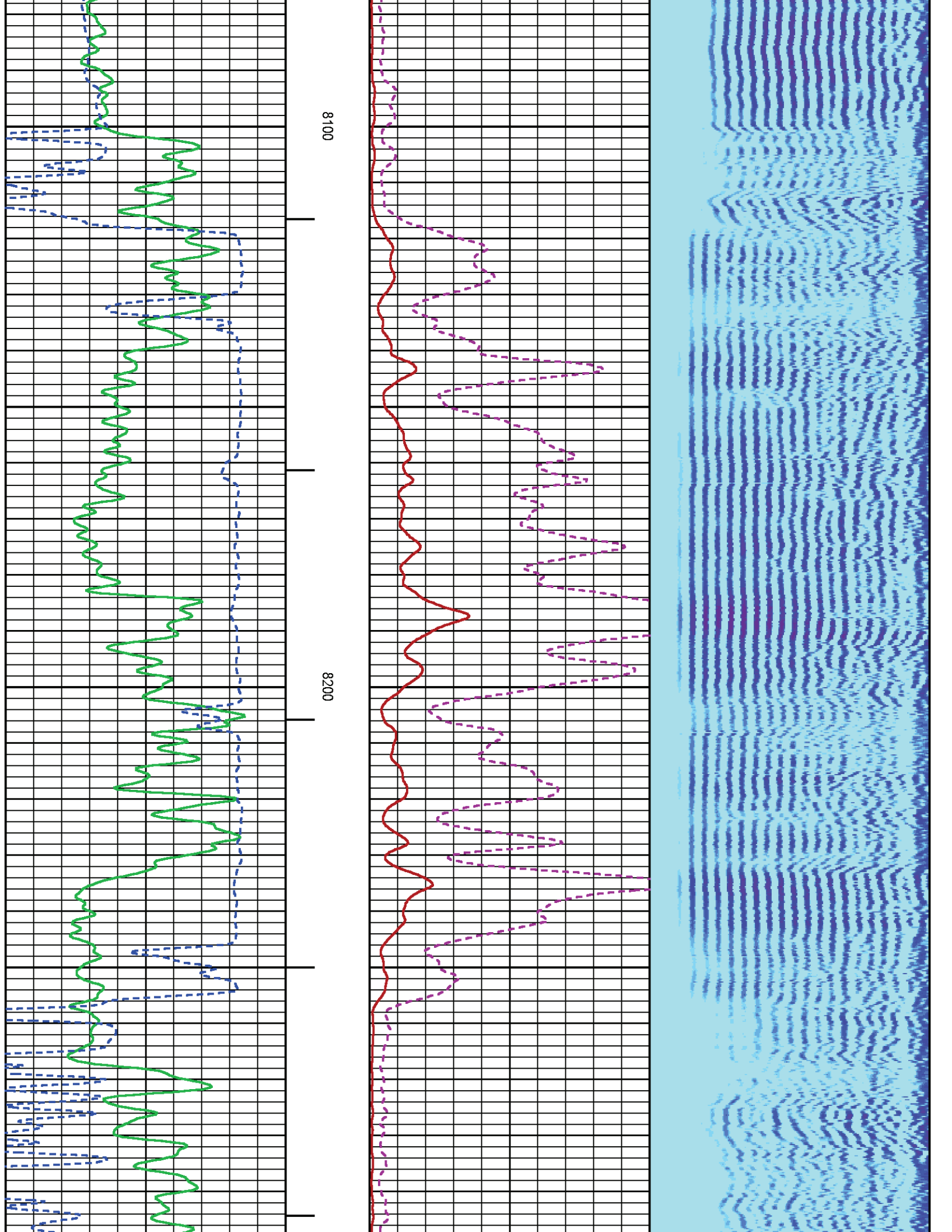


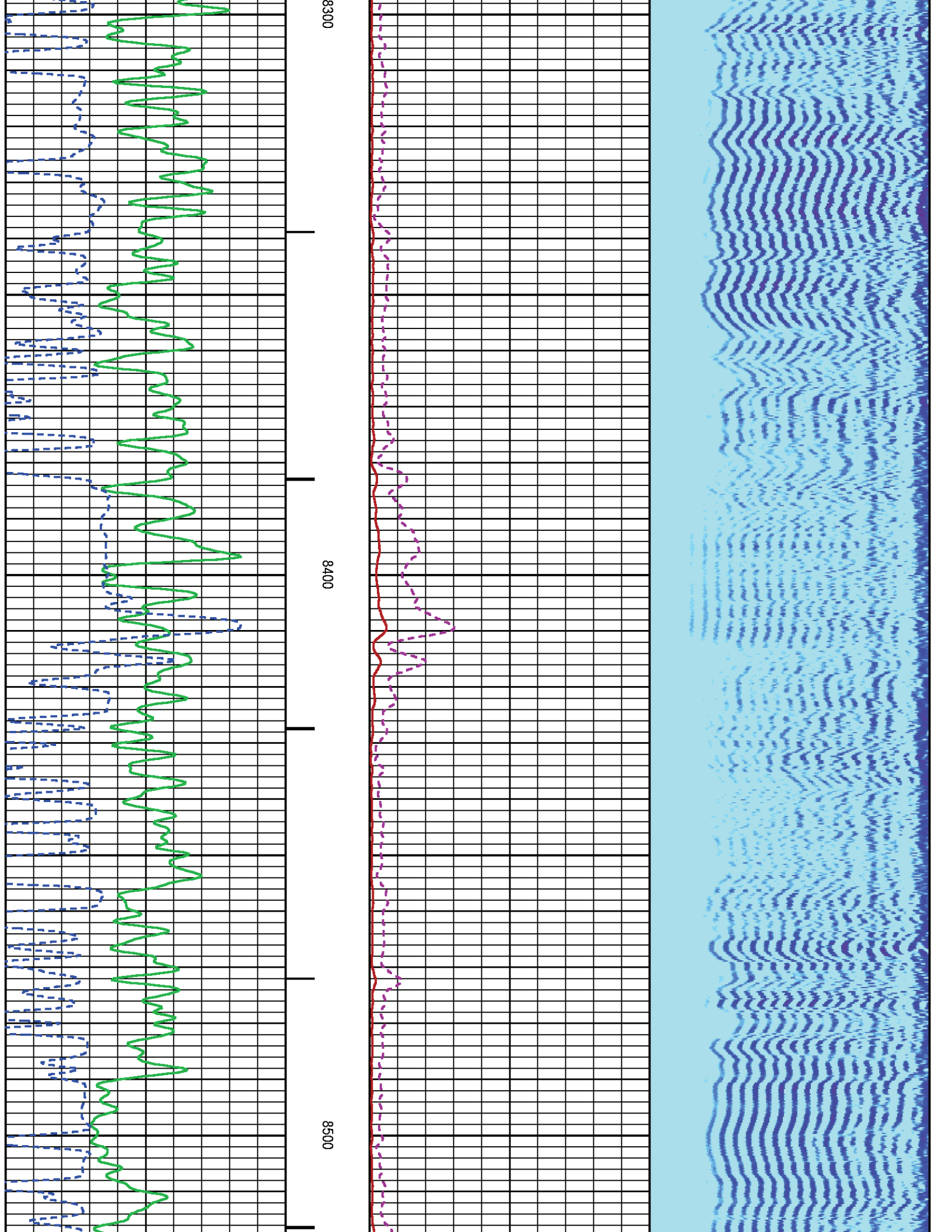


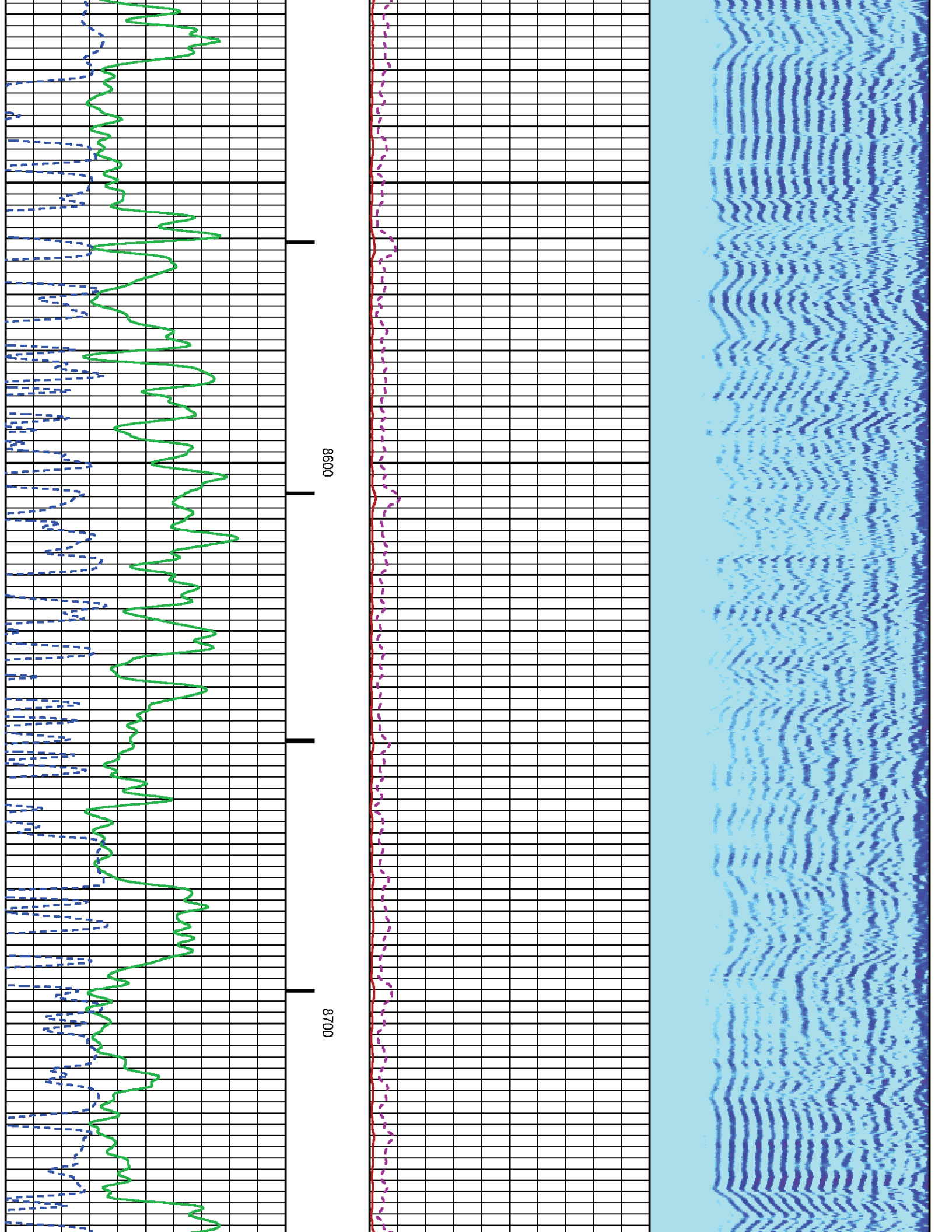


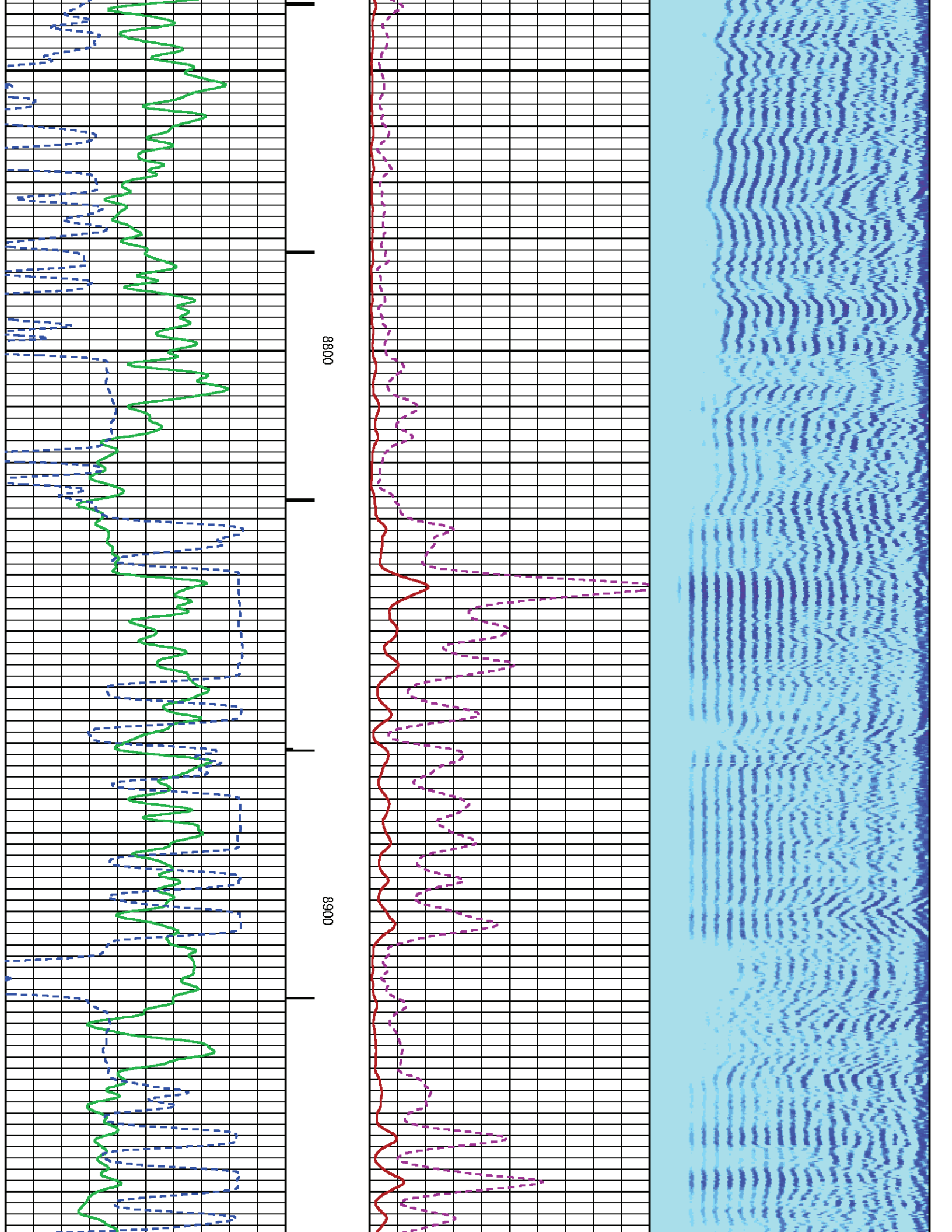


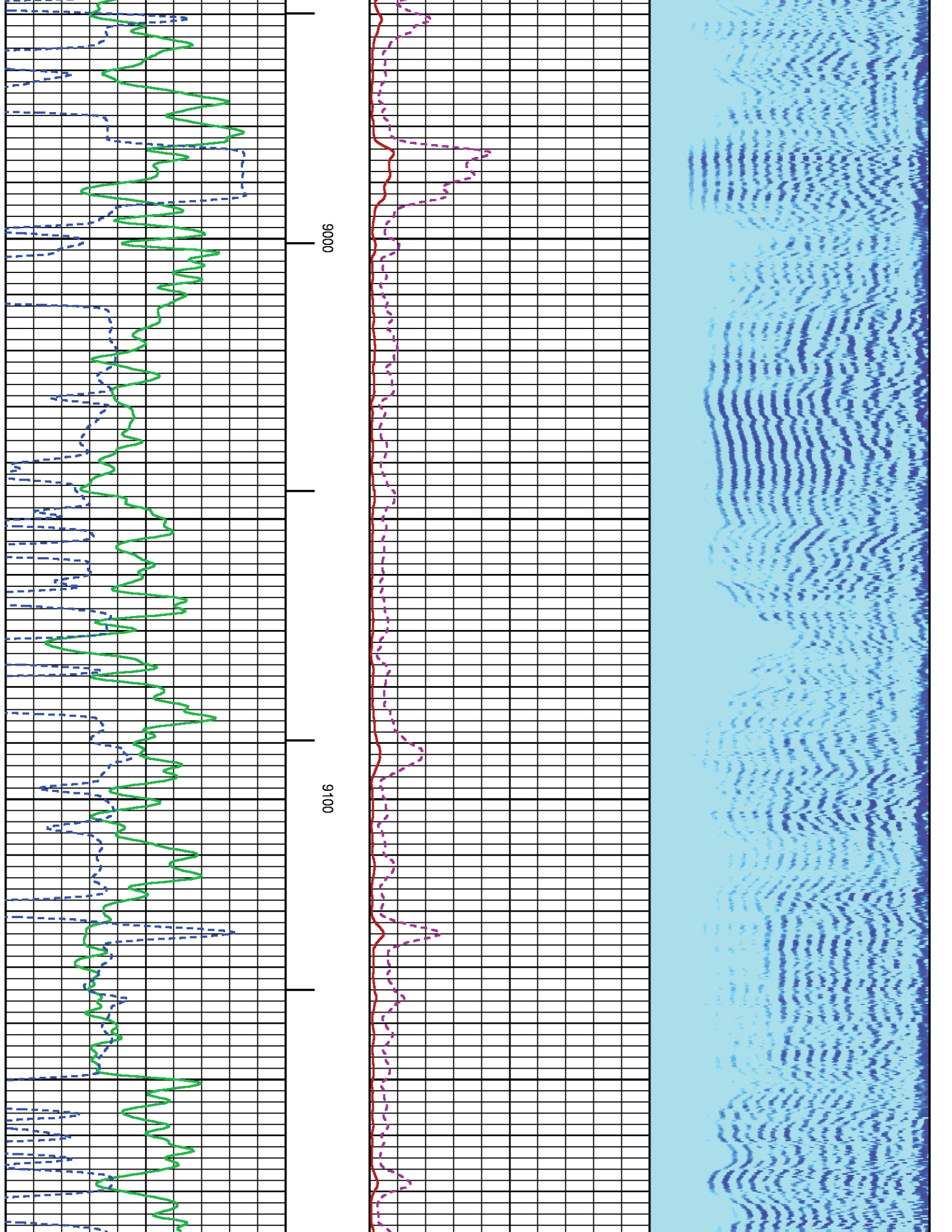


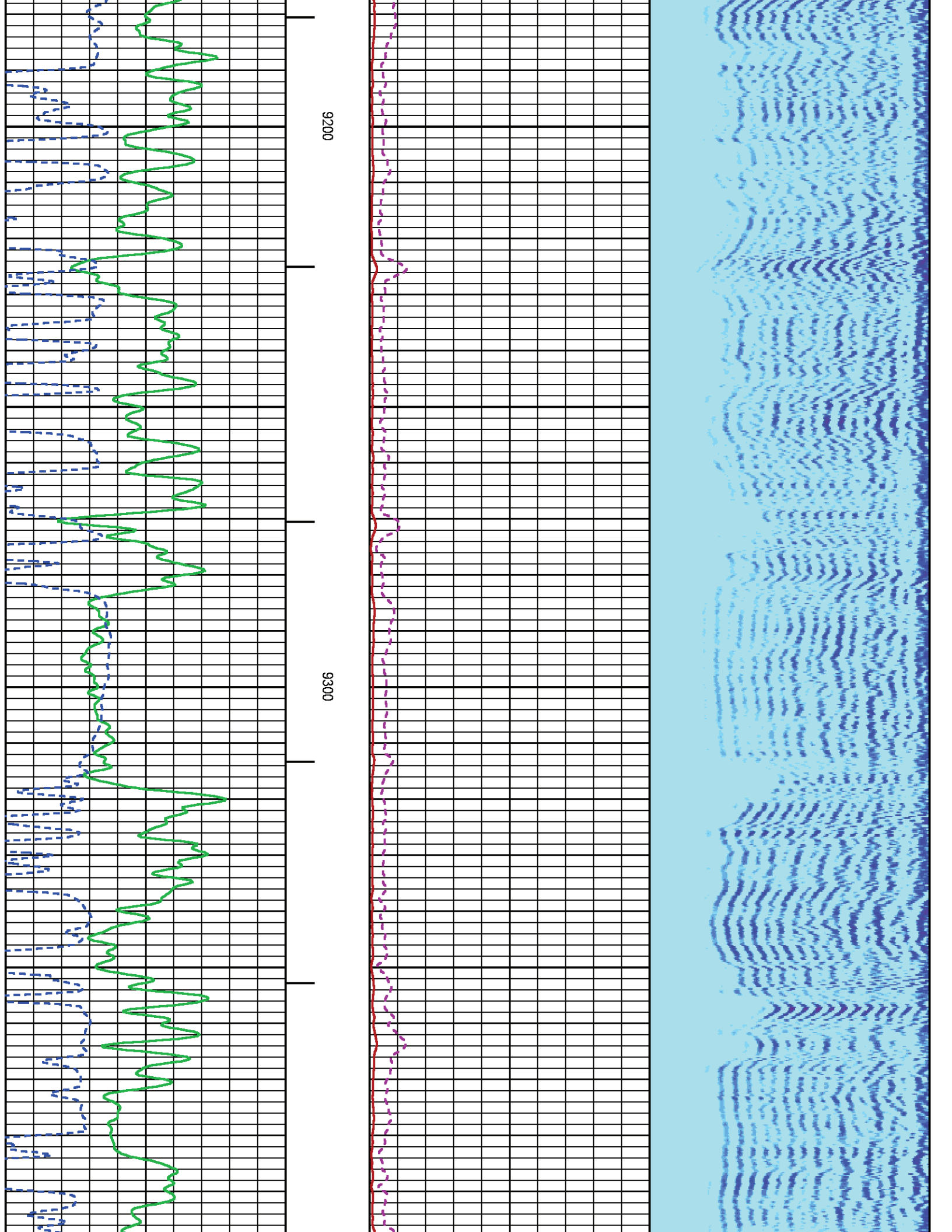


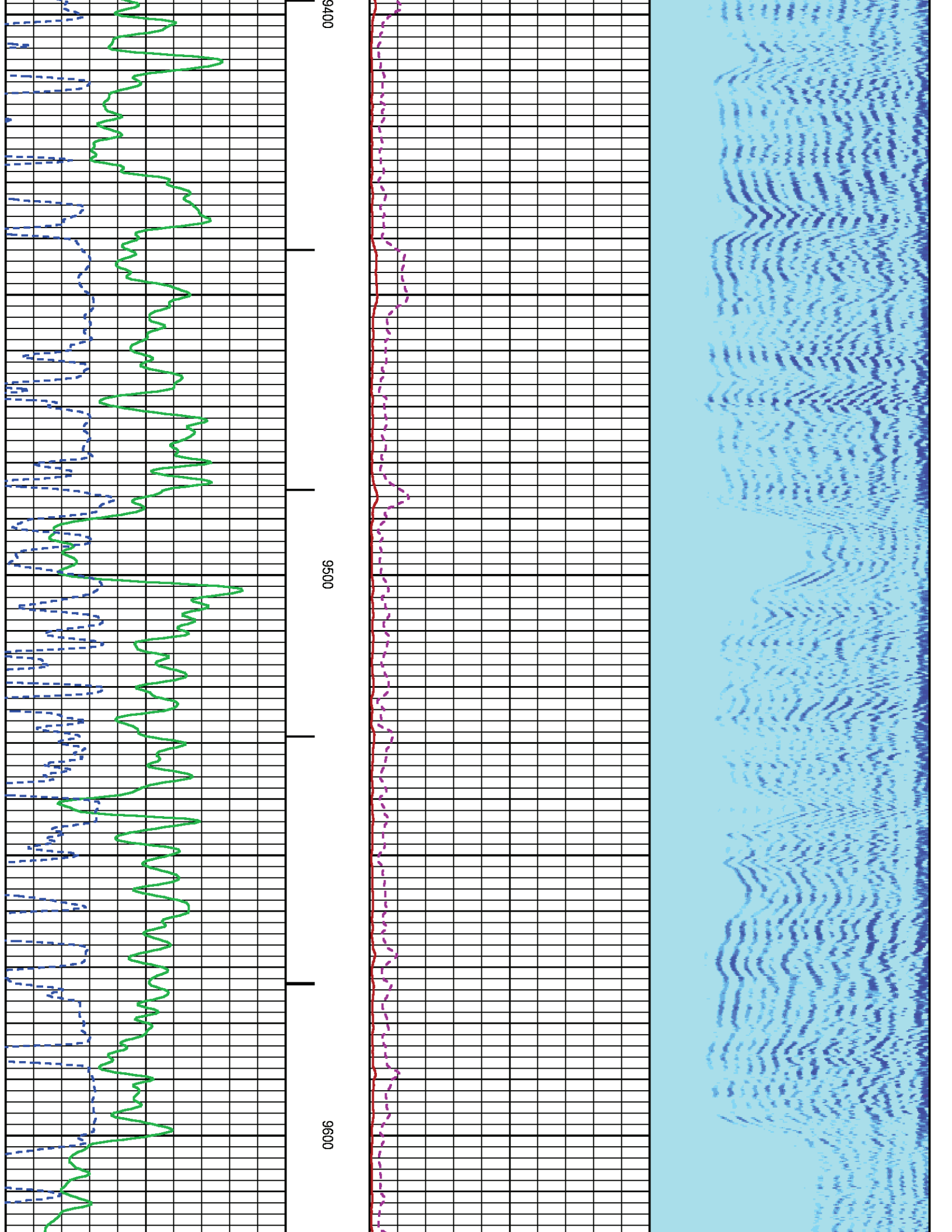


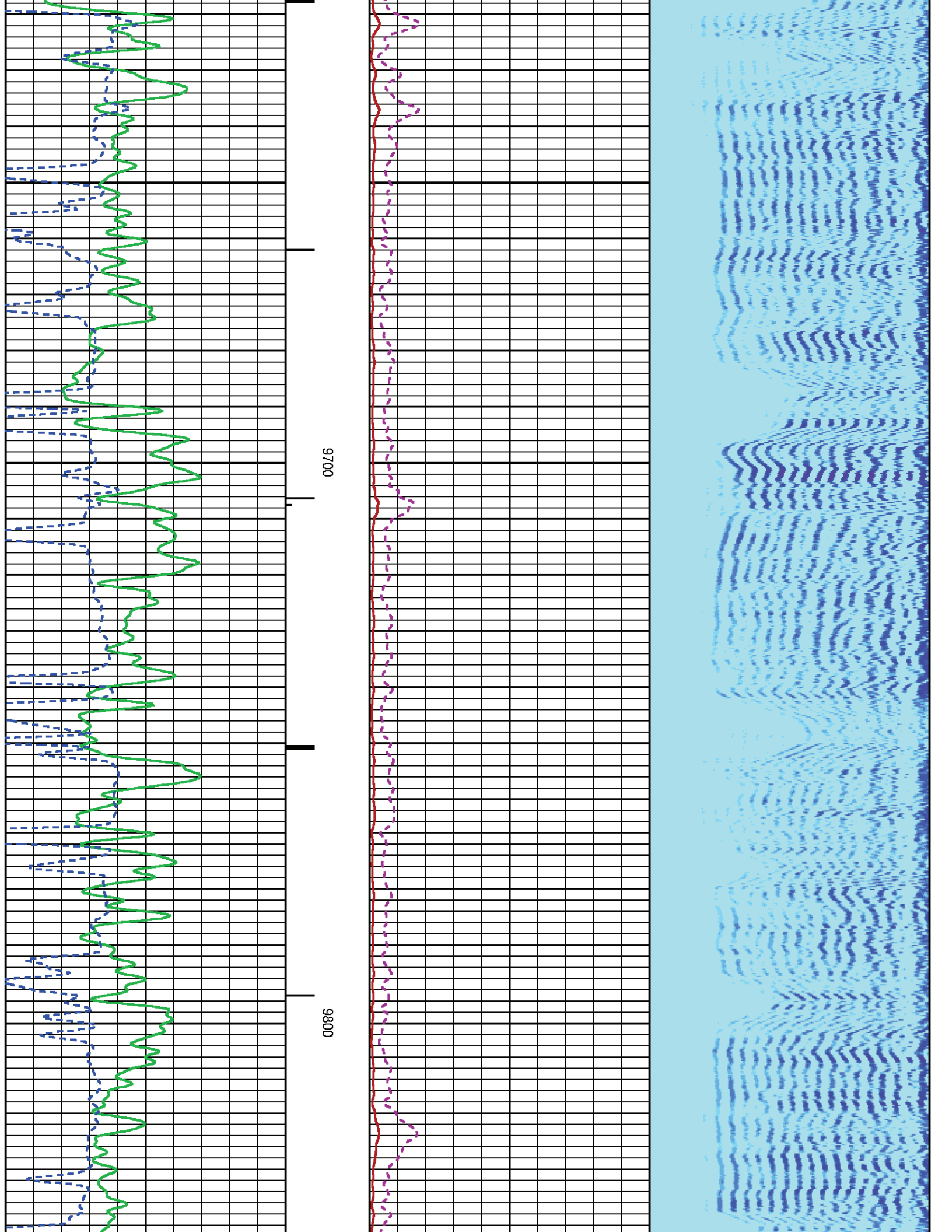


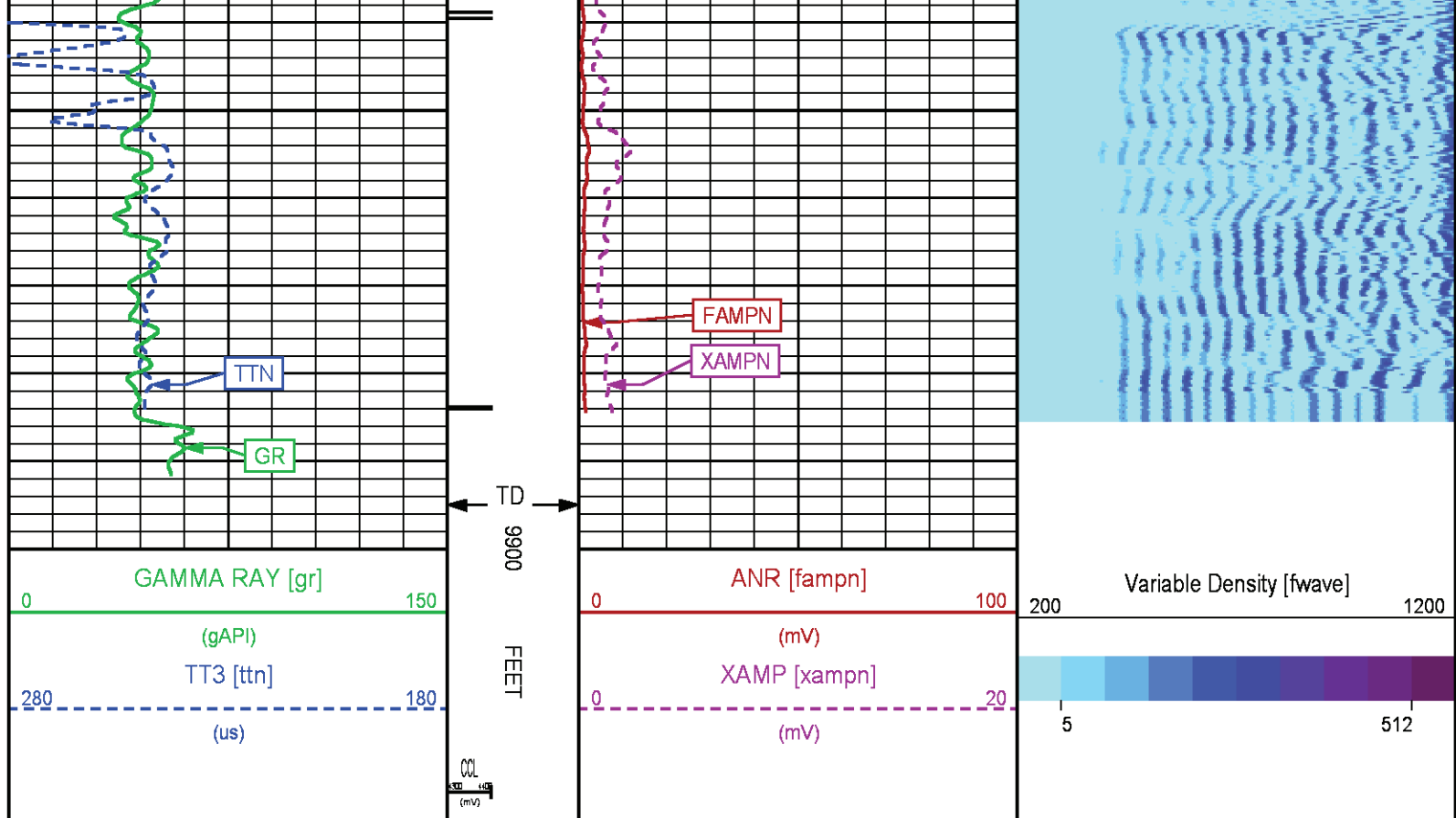












SECONDARY PRESENTATION 0 PSI

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

Updates: 1 Patches: 4

Plotted: Mon Nov 24 22:18:39 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH092576/n012e02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 37.750 ft BOTTOM DEPTH: 9904.215 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	185	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	185	us	"	"
	AMP WINDOW START (fgp3*)	185	us	"	"