



FILE NO: CH089277	COMPANY WPX ENERGY
API NO: 05045217870000	WELL FEDERAL NER 413-32
	FIELD RULISON
	COUNTY GARFIELD
	STATE CO
Ver. 3.87 32 GS 93W RU 23-5 PAD NABORS 576	LOCATION: SHL: 135' FNL & 2578' FWL(5 7S 93W) BHL: 1762' FSL & 655' FWL(32 GS 93W) SEC 32 TWP 6S RGE 93W
PERMANENT DATUM LOG MEASURED FROM DRILL MEAS. FROM	GL ELEVATION 7603 FT KB 26 FT ABOVE P.D. KB GL
	OTHER SERVICES RPM ELEVATIONS: KB 7629 FT DF GL 7603 FT
DATE	30-Aug-2014
RUN	1
TRIP	1
SERVICE ORDER	US089277
DEPTH DRILLER	10579 FT
DEPTH LOGGER	10554 FT
BOTTOM LOGGED INTERVAL	10544 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	16:00
TIME FINISHED	21:00
OPERATOR RIG TIME	5 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	91 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	65 FMN
MAX. RECORDED TEMP.	245 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	6670
LOCATION	GRAND JCT.
RECORDED BY	NEWELL
WITNESSED BY	JEFF 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	1155 FT
8.75 IN	1155 FT	10618 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			0 FT	10618 FT
4.5 IN	11.6 LB/F	P-110	0 FT	106118 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 5 feet.

Logged with 0 PSI at the wellhead.

BHT = 245 degF
SJ = 6908' - 6930'

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10404539	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: 2

Plotted: Sun Aug 31 13:42:49 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH089277/n012e02.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: 22.250 ft BOTTOM DEPTH: 10554.500 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)		"	"
TENSION	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*)	173	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-74	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	137	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

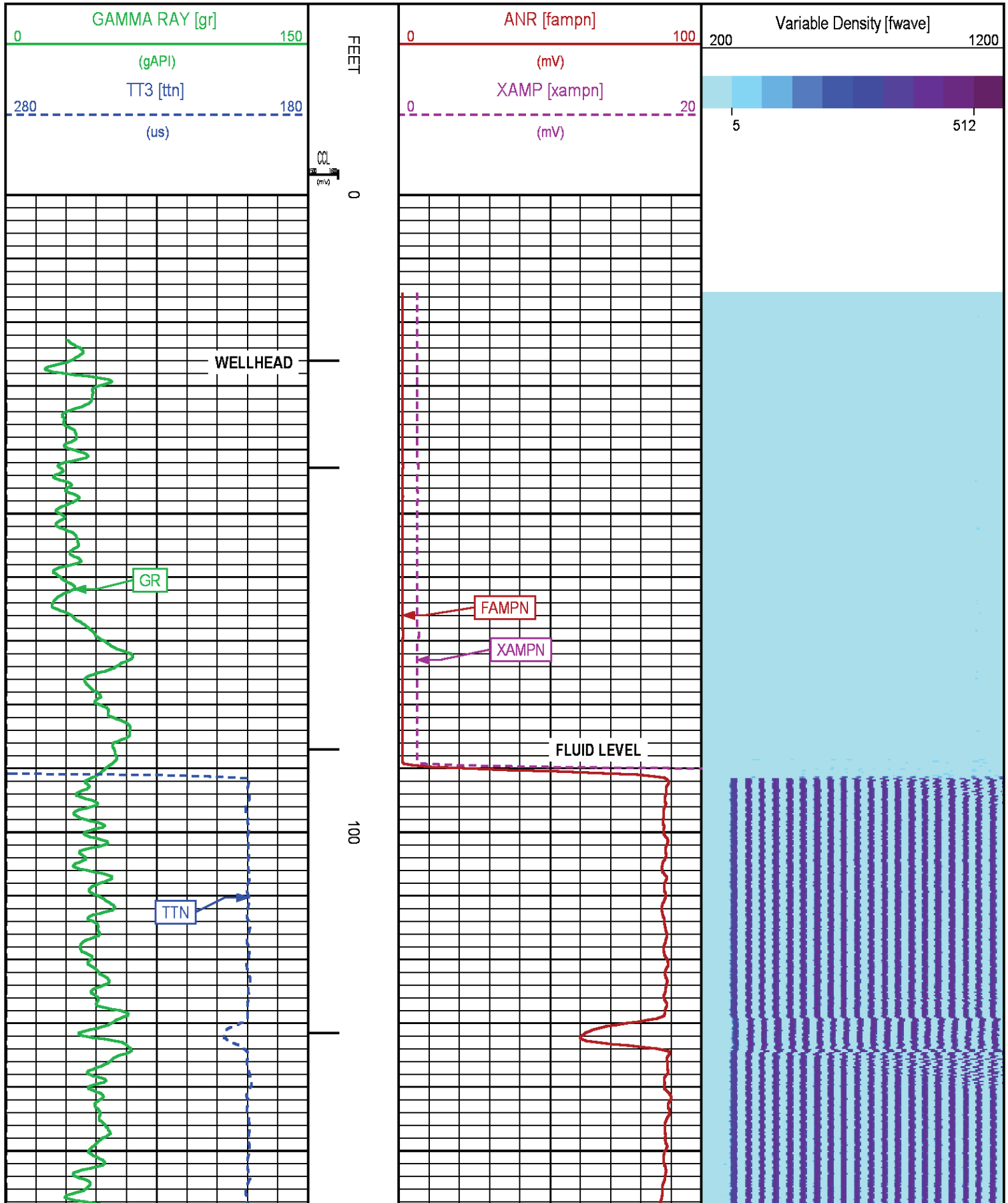
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Aug 30 18:08:50 2014	CASING COLLAR LOCATOR
F1:FAMPN	Aug 30 18:08:50 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Aug 30 18:08:50 2014	FAR WAVE FORM
F1:GR	Aug 30 18:08:50 2014	GAMMA RAY
F1:TTEN	Aug 30 18:08:50 2014	TOTAL TENSION
F1:TTN	Aug 30 18:08:50 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Aug 30 18:08:50 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

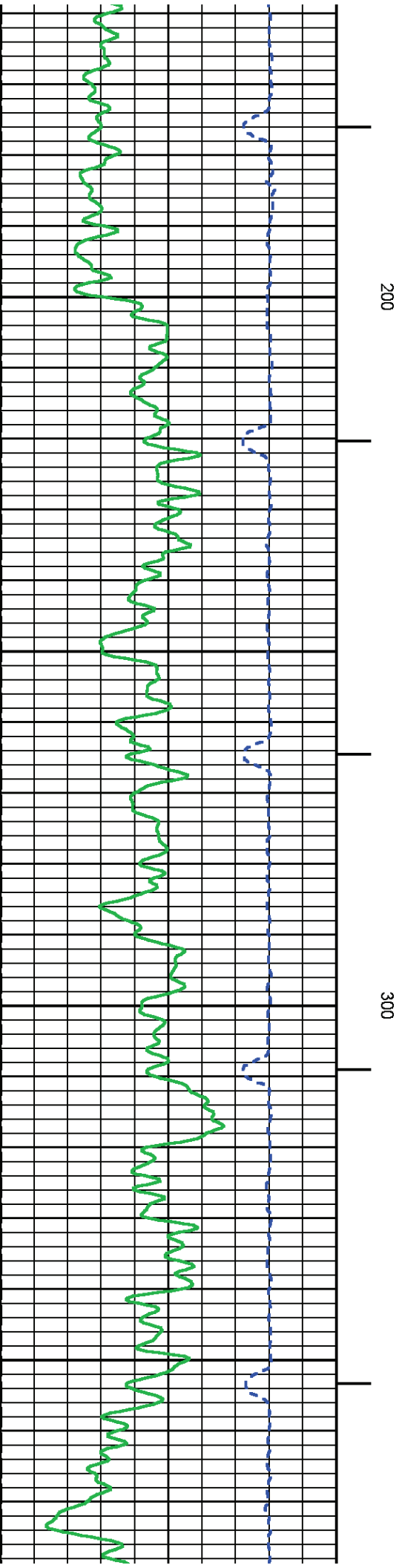
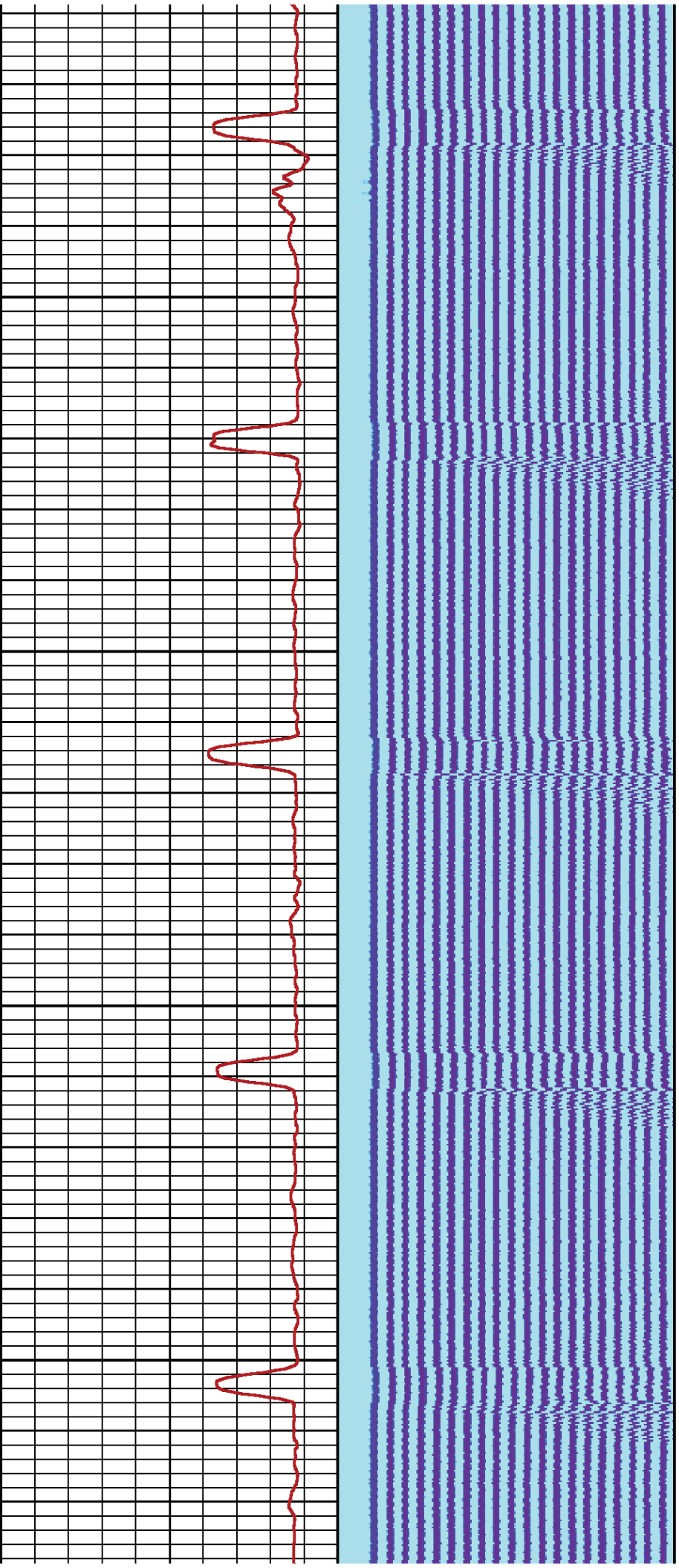
CURVE MEASURE POINT OFFSET

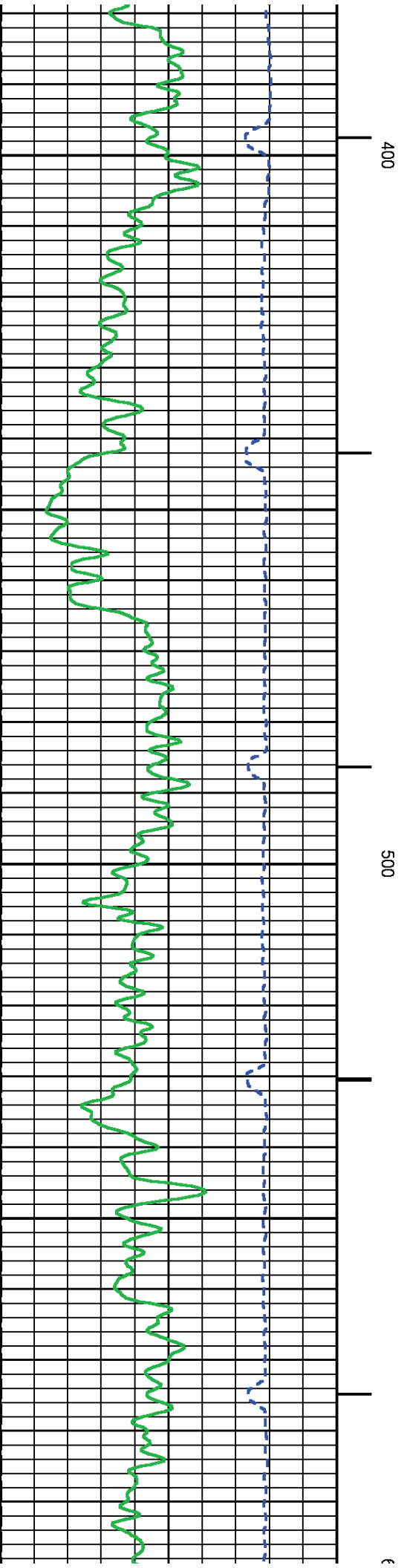
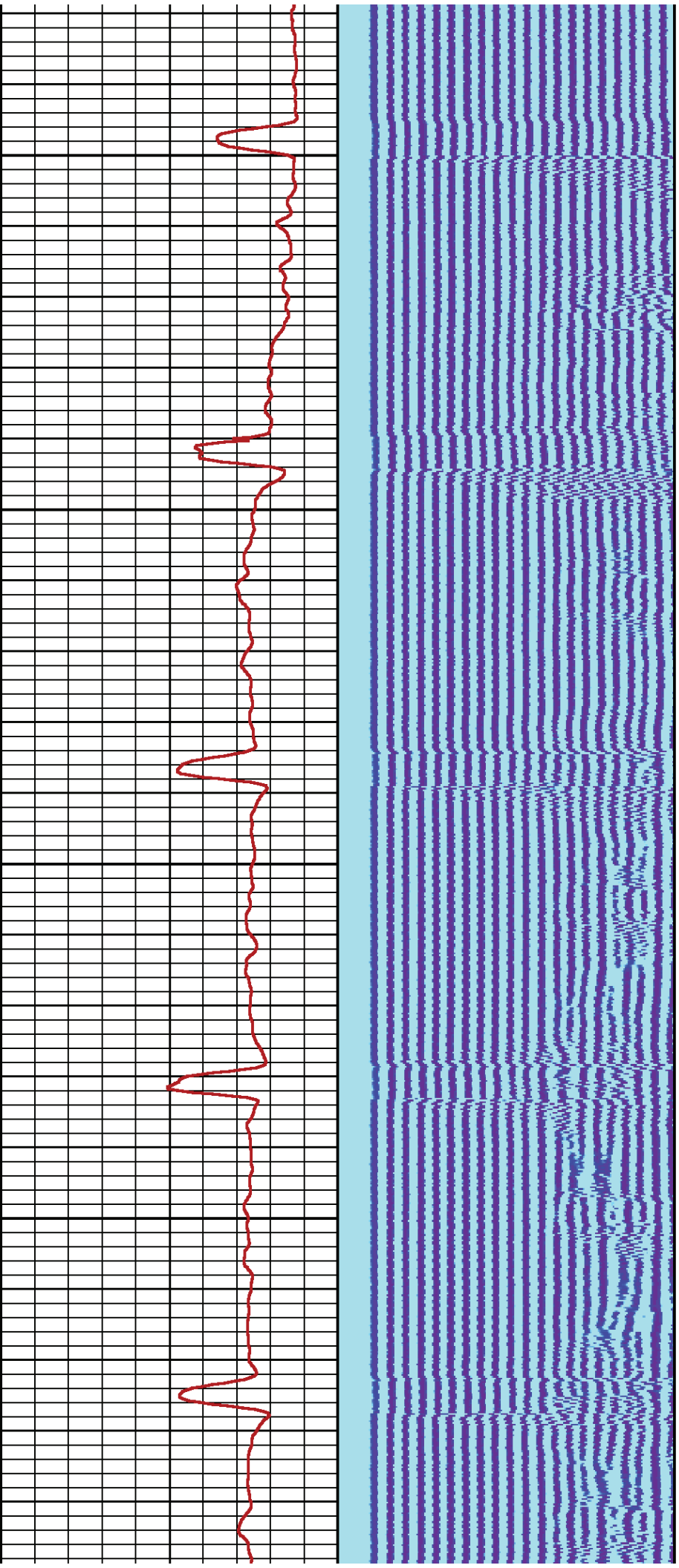
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	TTN	13.75		
FAMPN	13.75	TTEN	0.00	XAMPN	13.75		

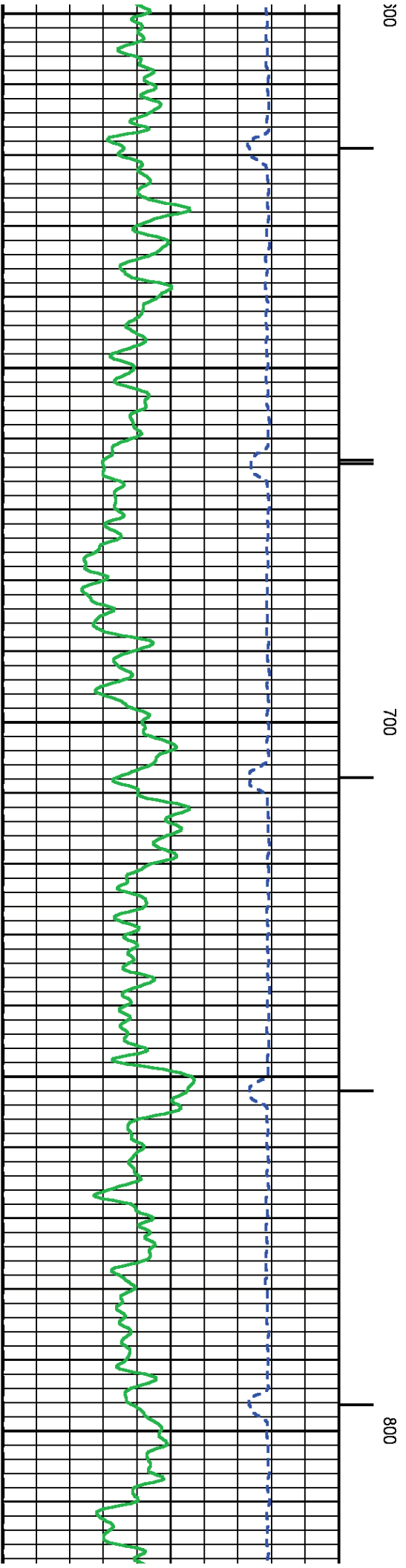
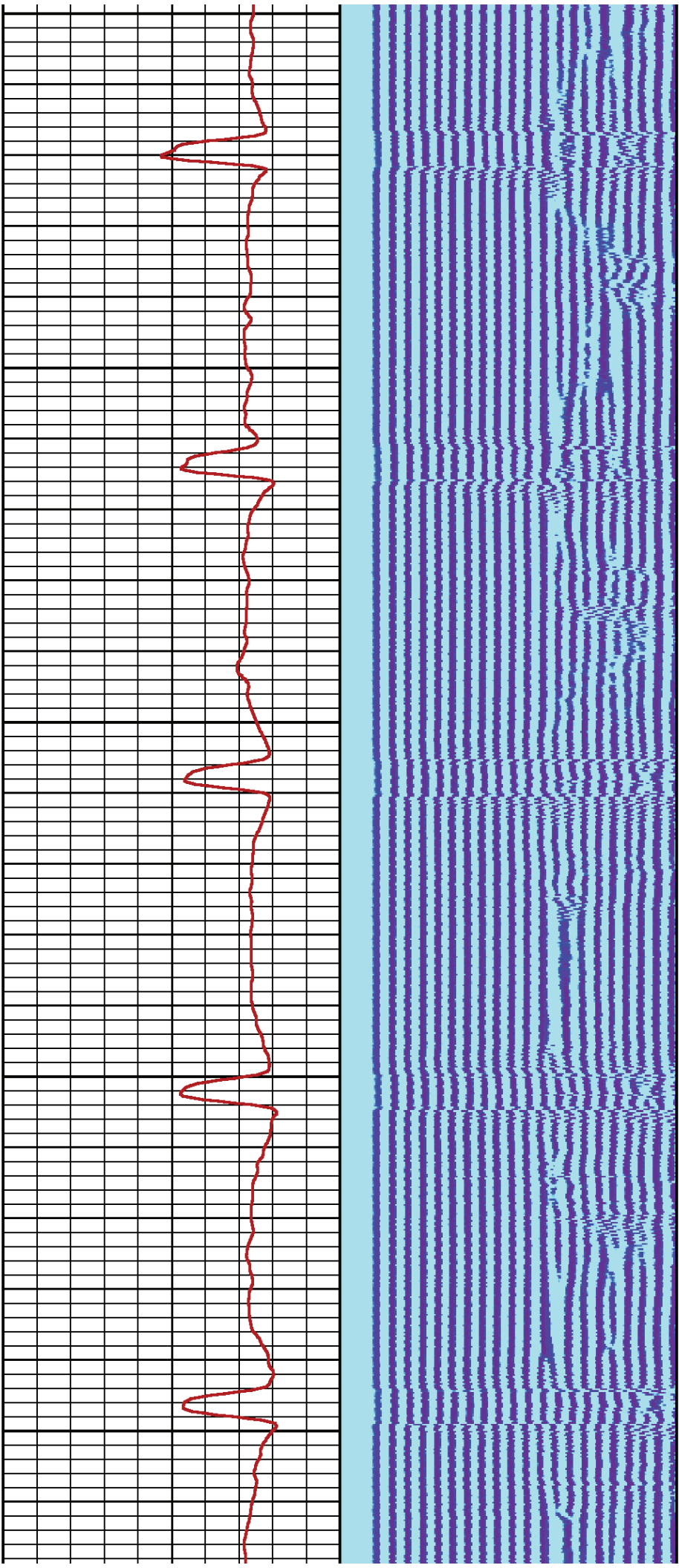
Presentation : HL6670:/dat1a/CH089277/413CBL_MAIN_PRIMARY.fvpdf [5"/100' Scale]
Plot Interval : 0 - 10559 Feet

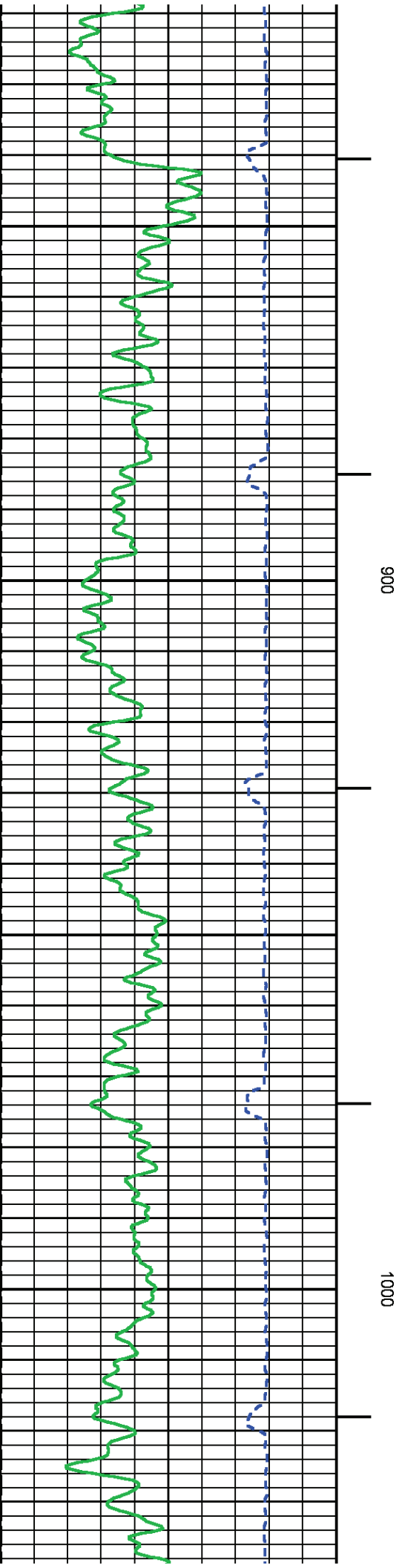
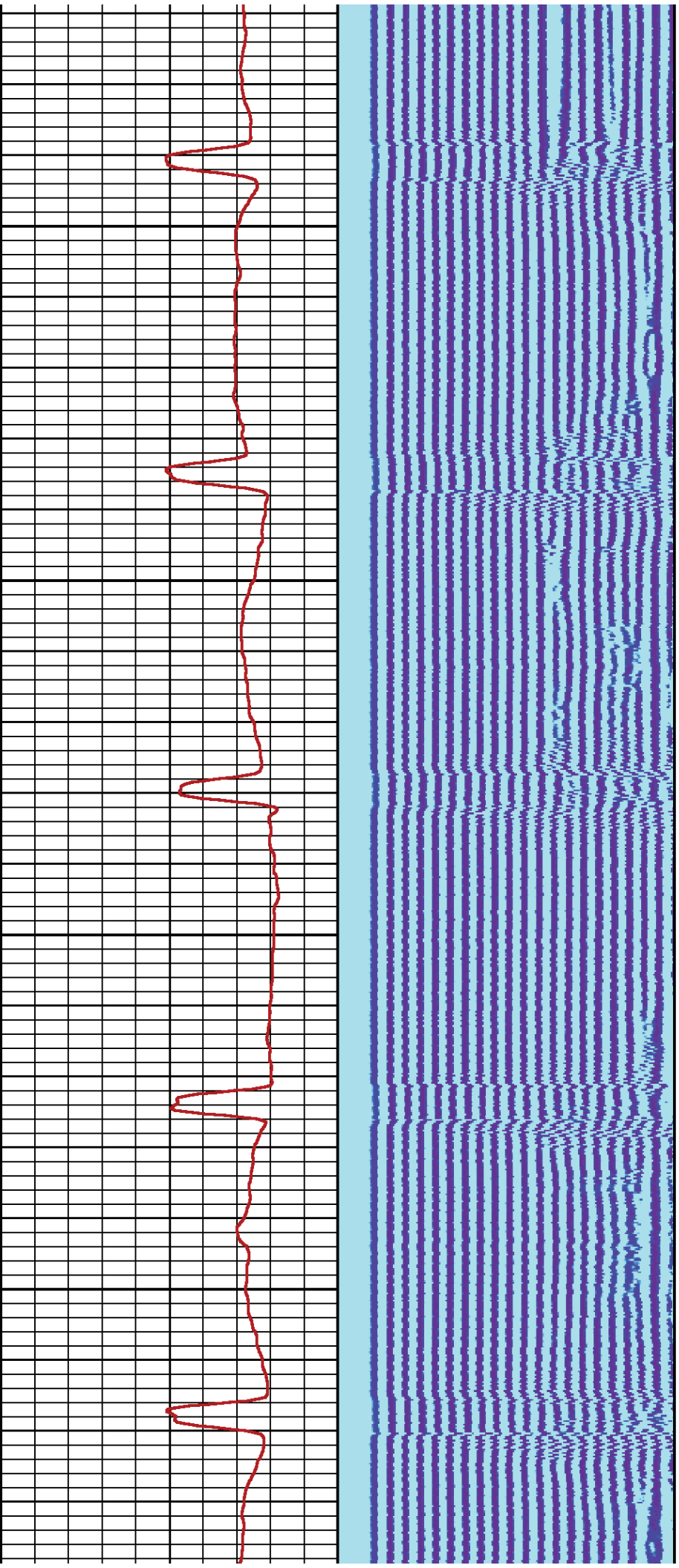
Data File 1 : F1 : HL6670:/dat1a/CH089277/413CBL_MAIN.xtf
Created On : Aug 30 18:08:50 2014
Company : WPX ENERGY
Well : FEDERAL NER 413-32
Field : RULISON
File Interval : 14.25 - 10560.2 Feet
OCT : n012e

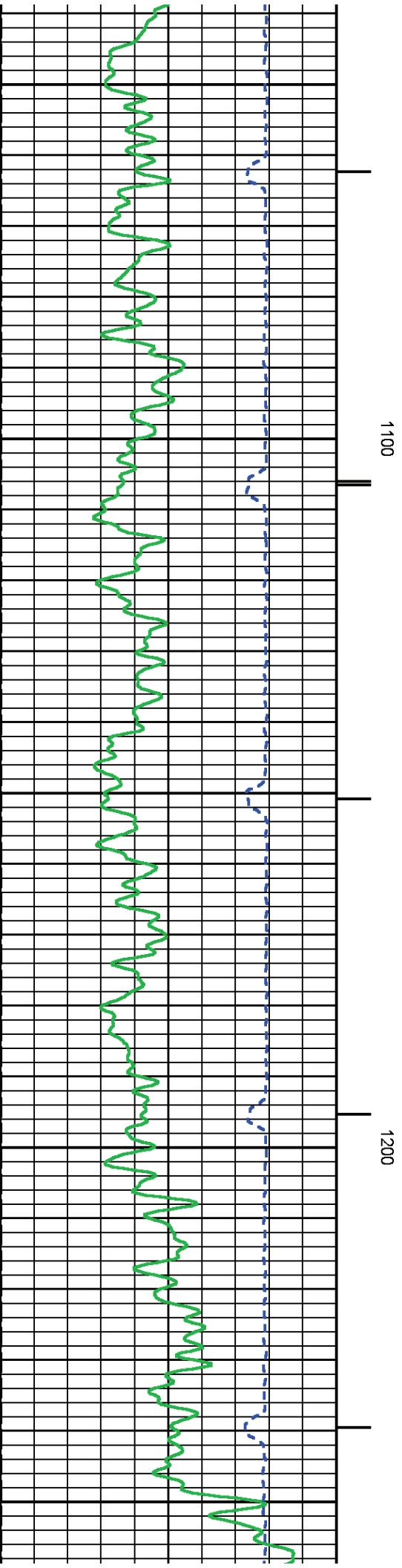
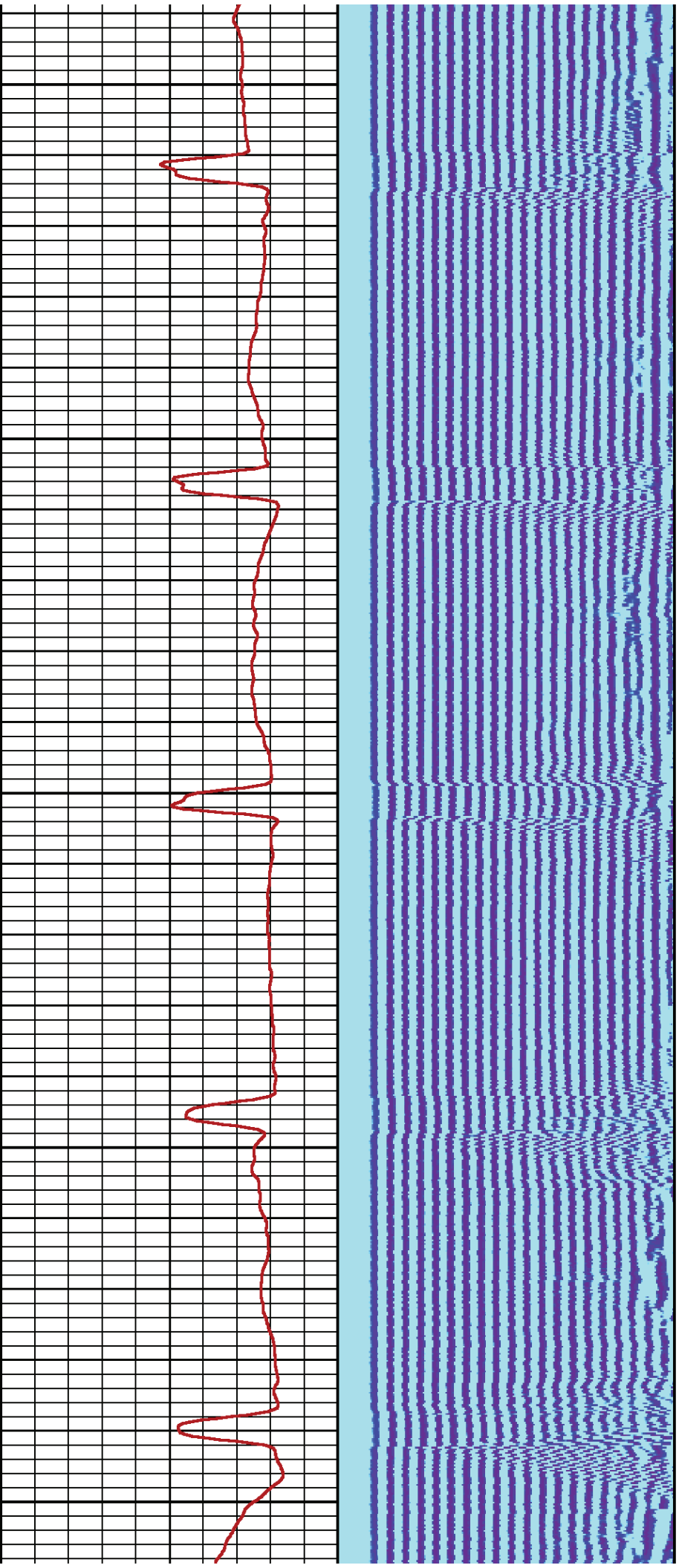


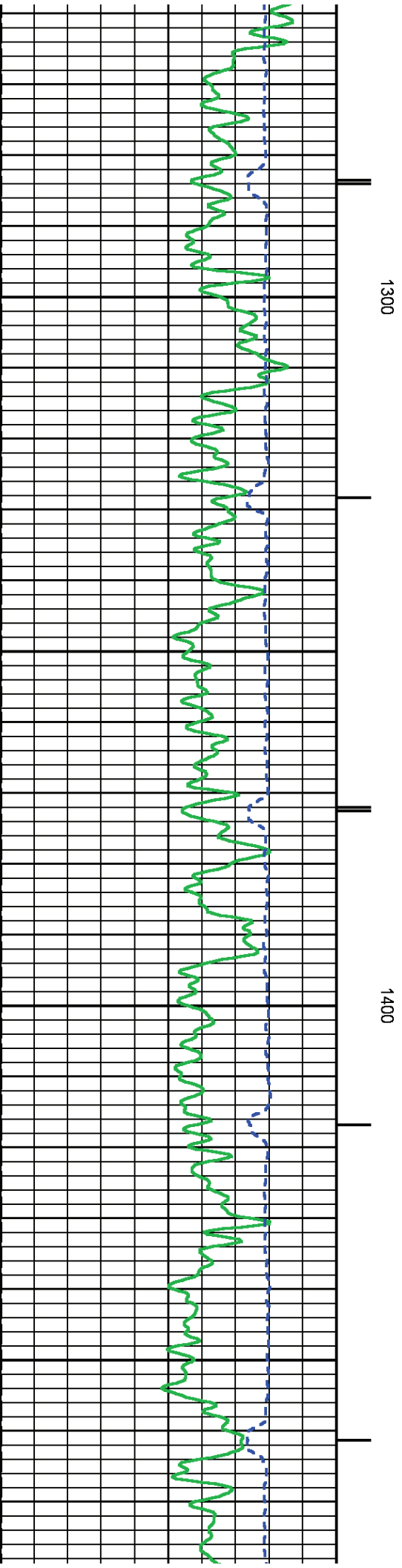
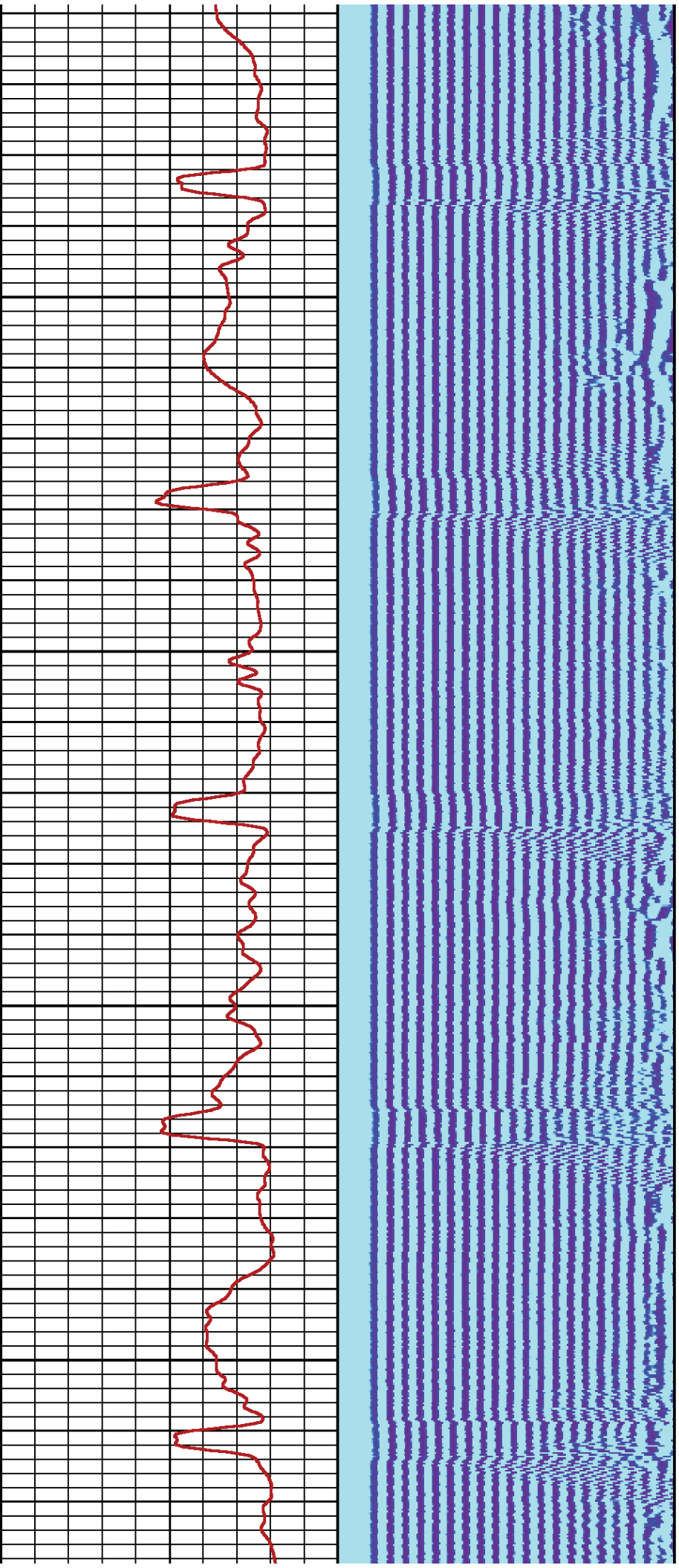


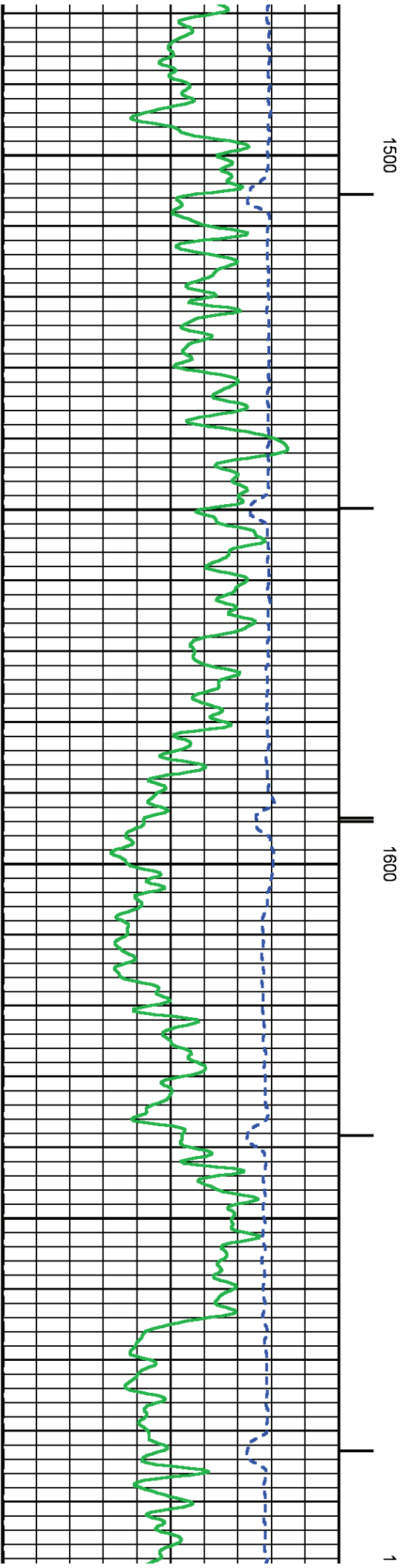
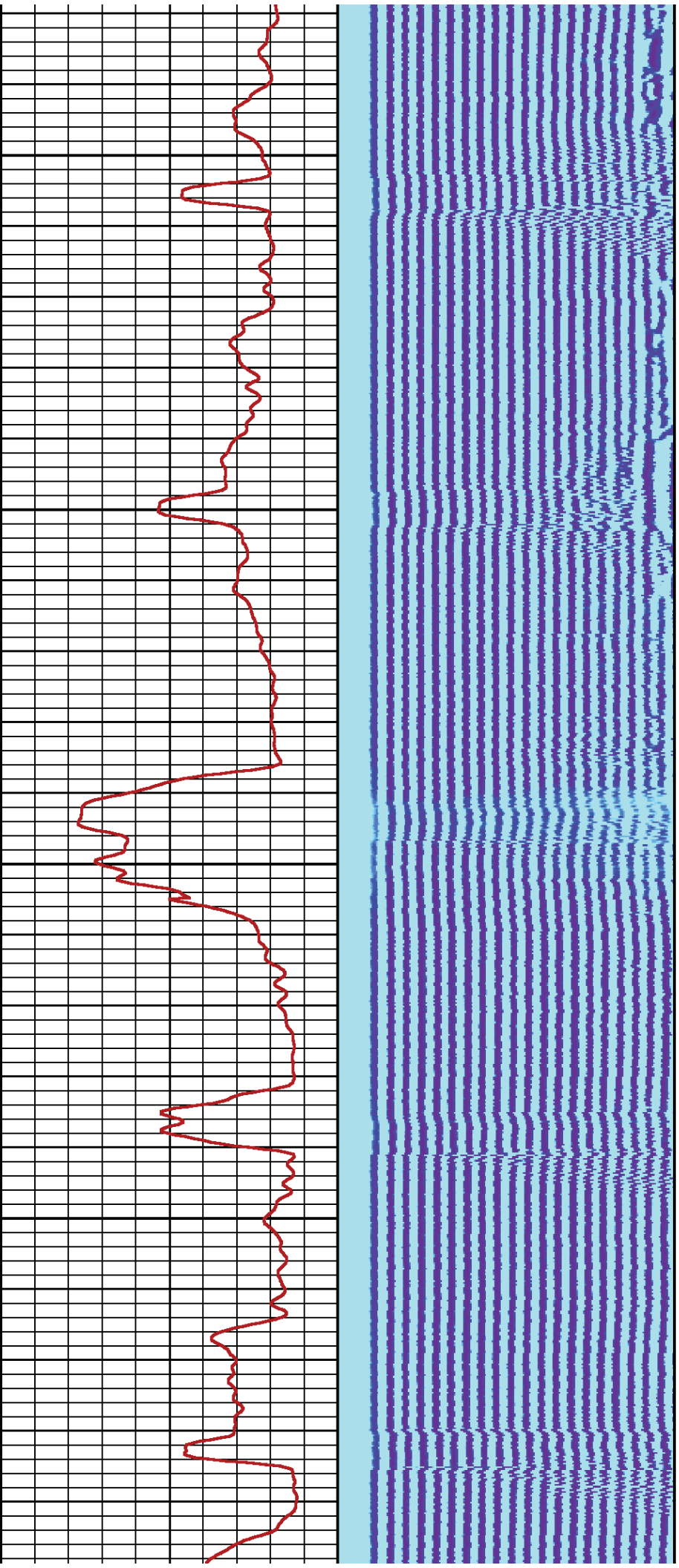


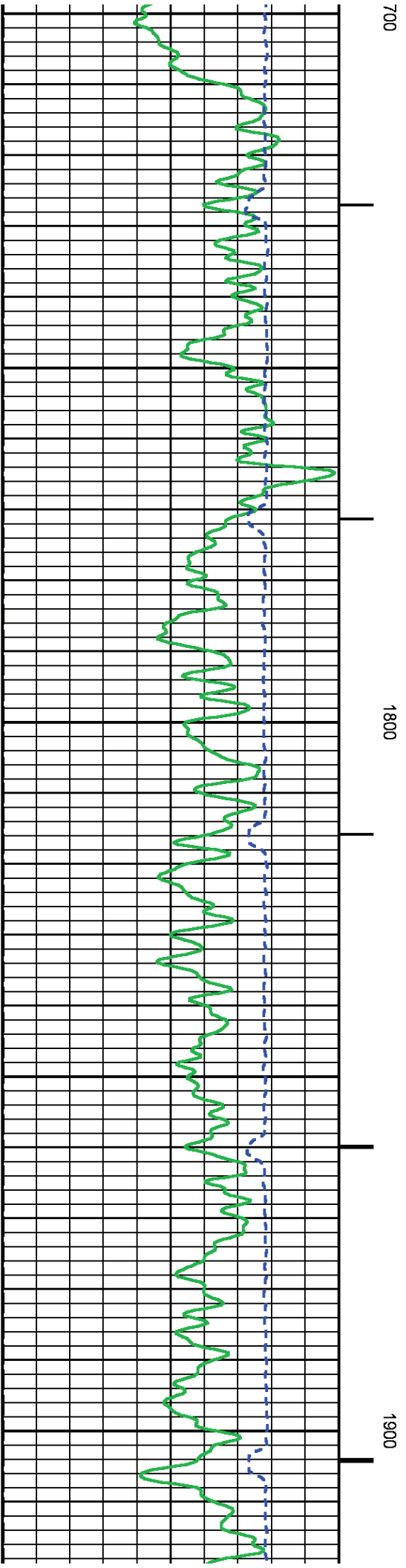
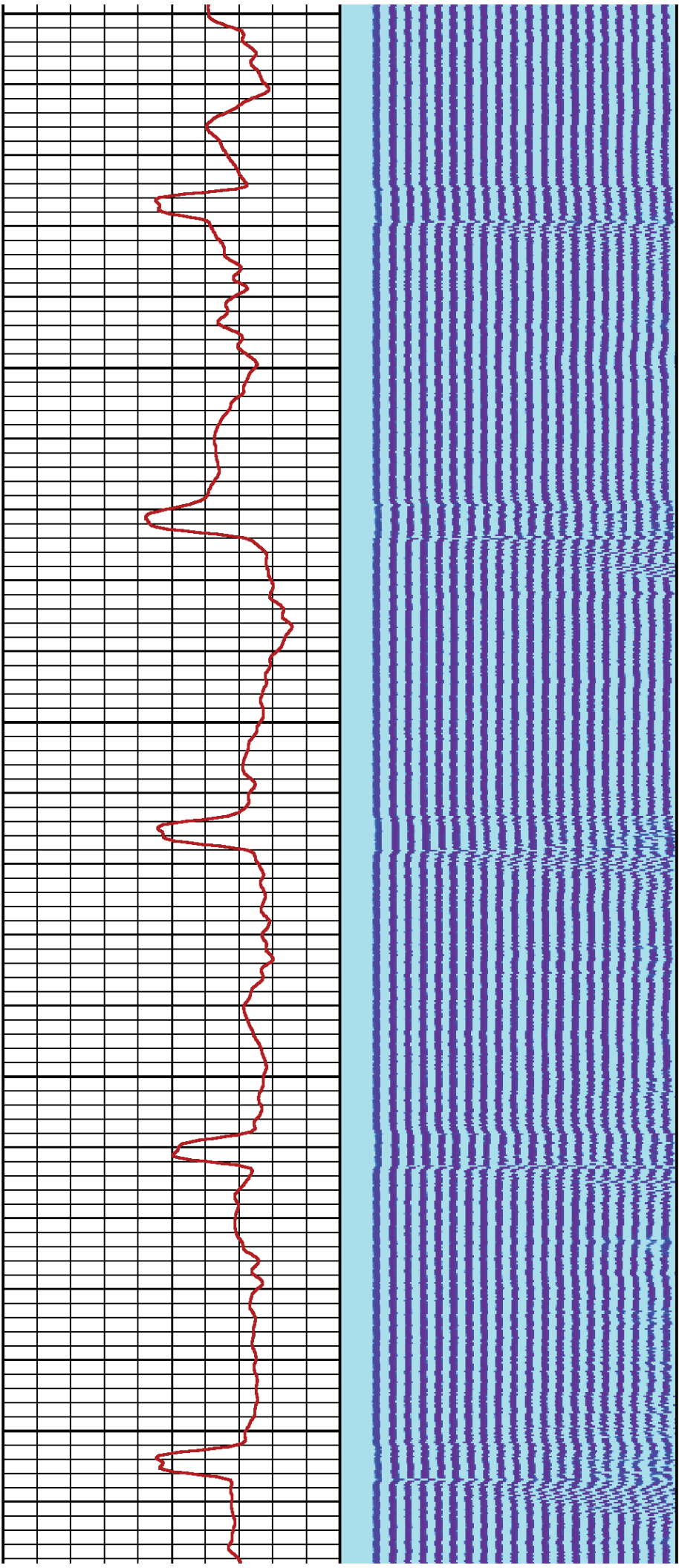


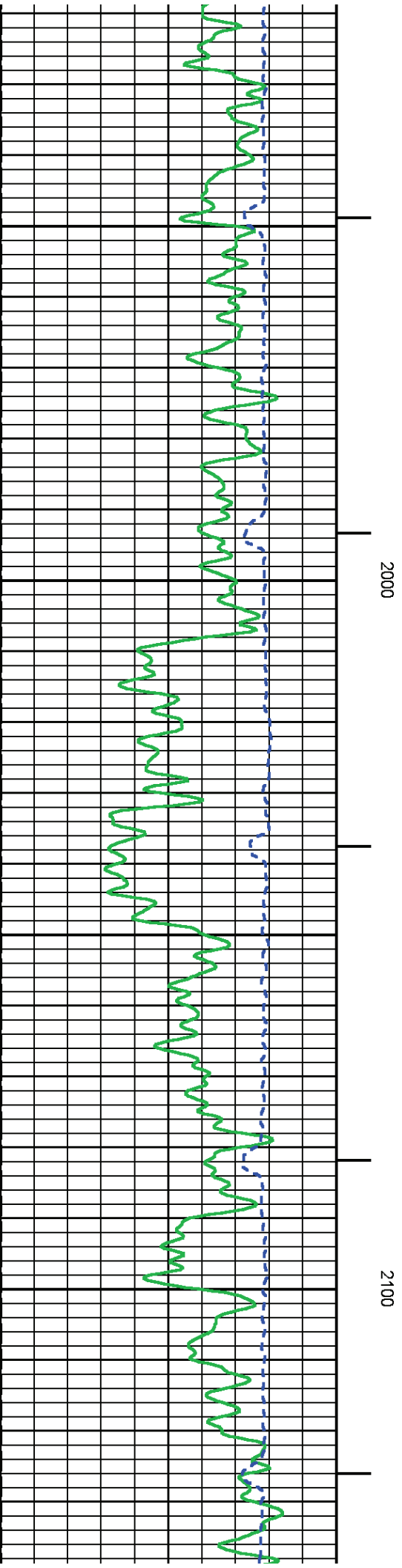
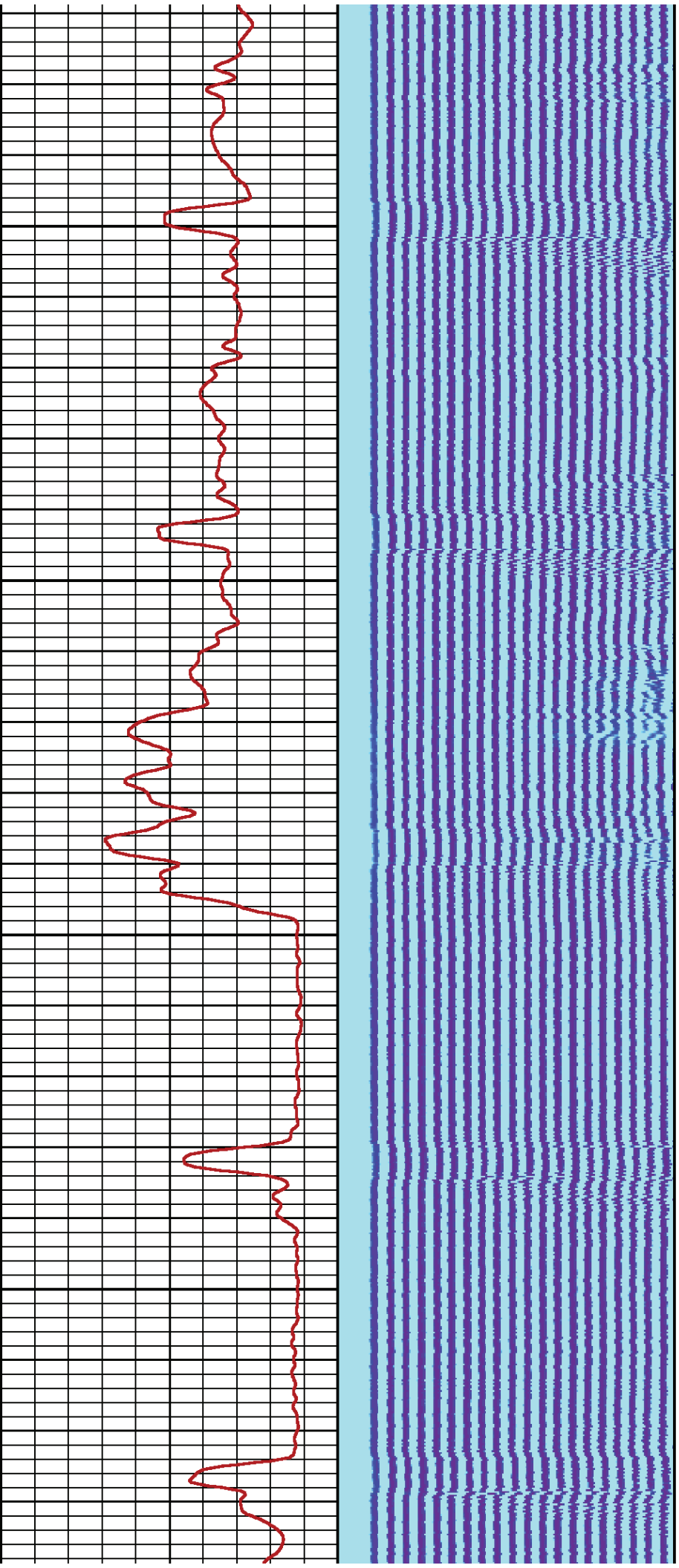


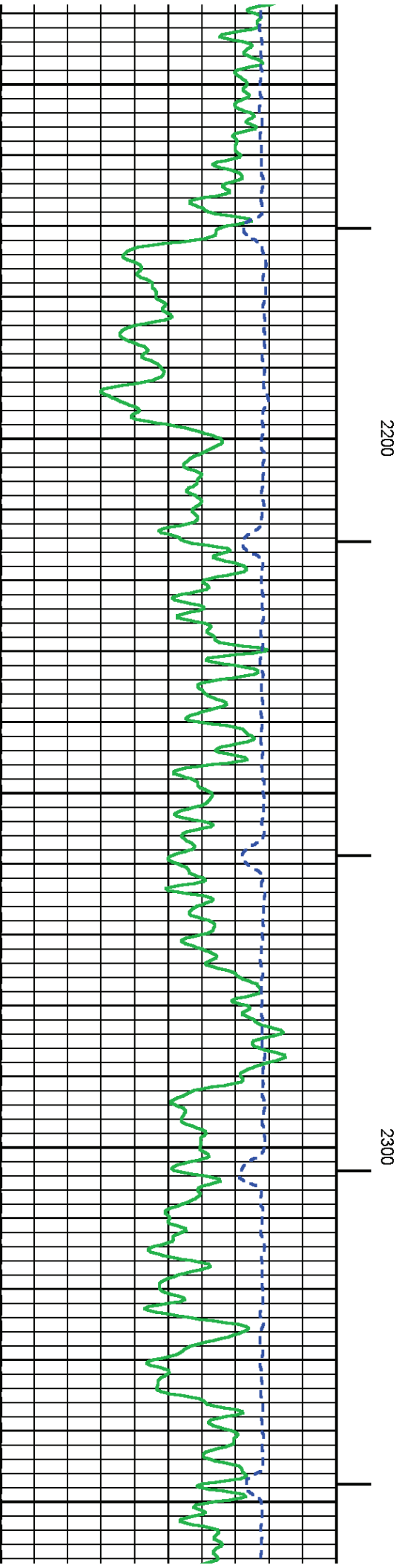
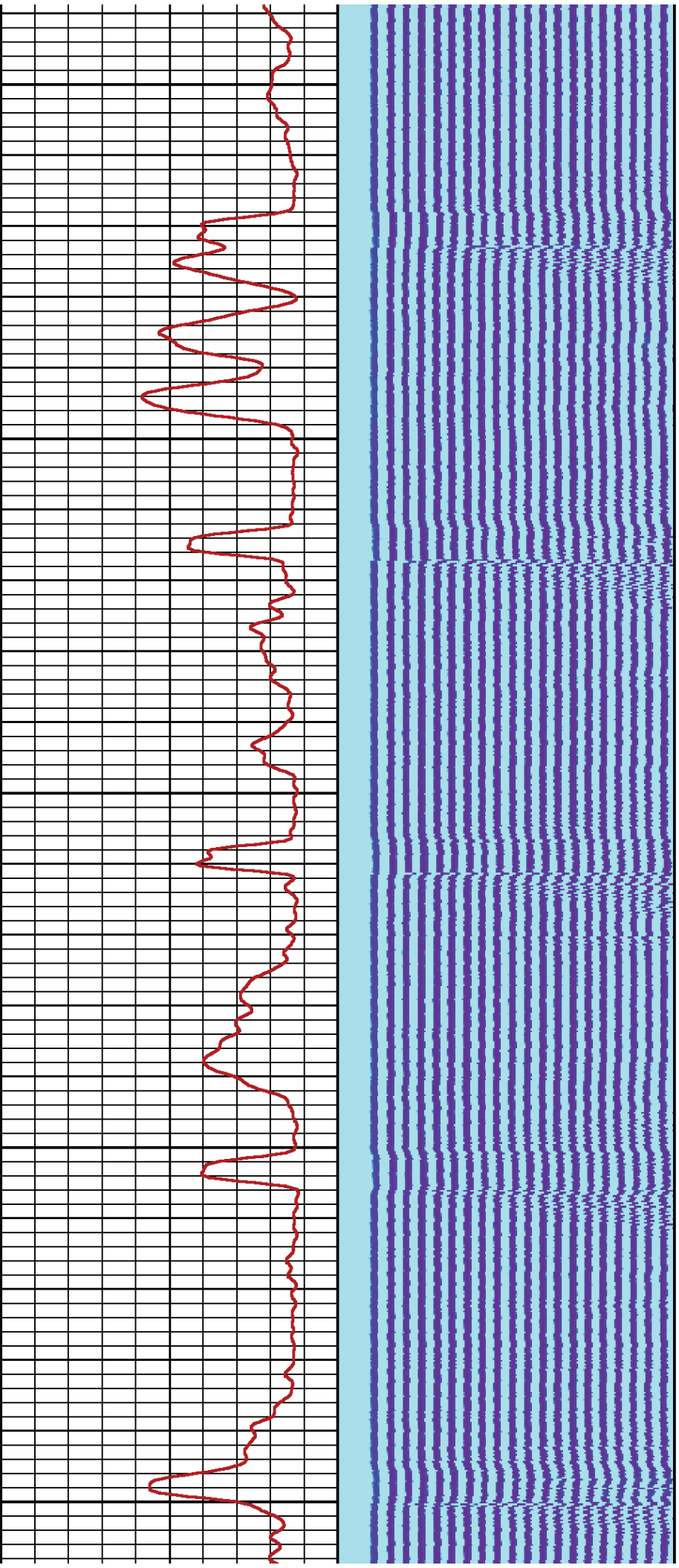


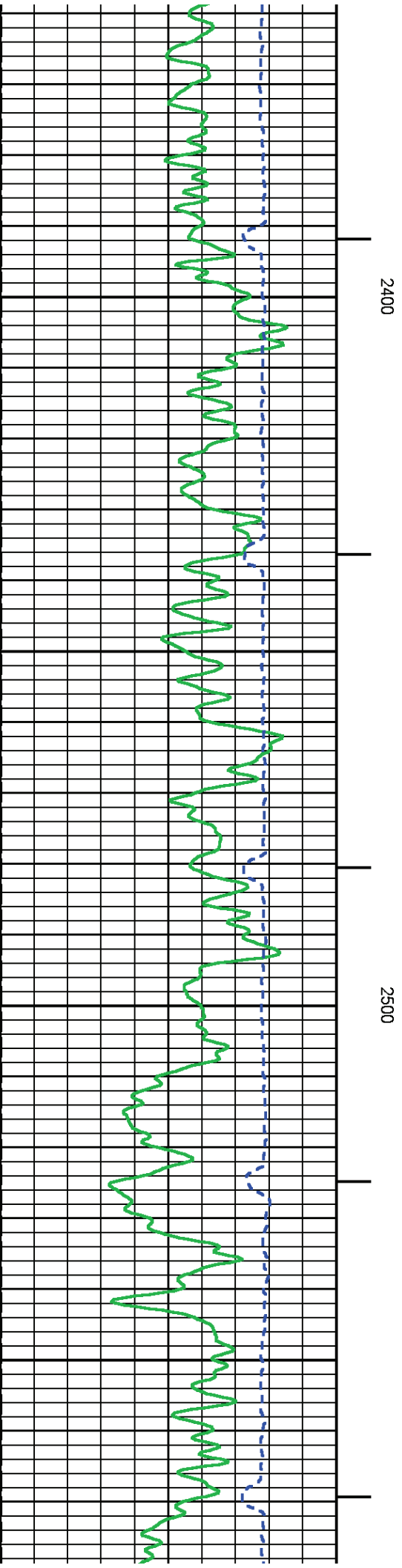
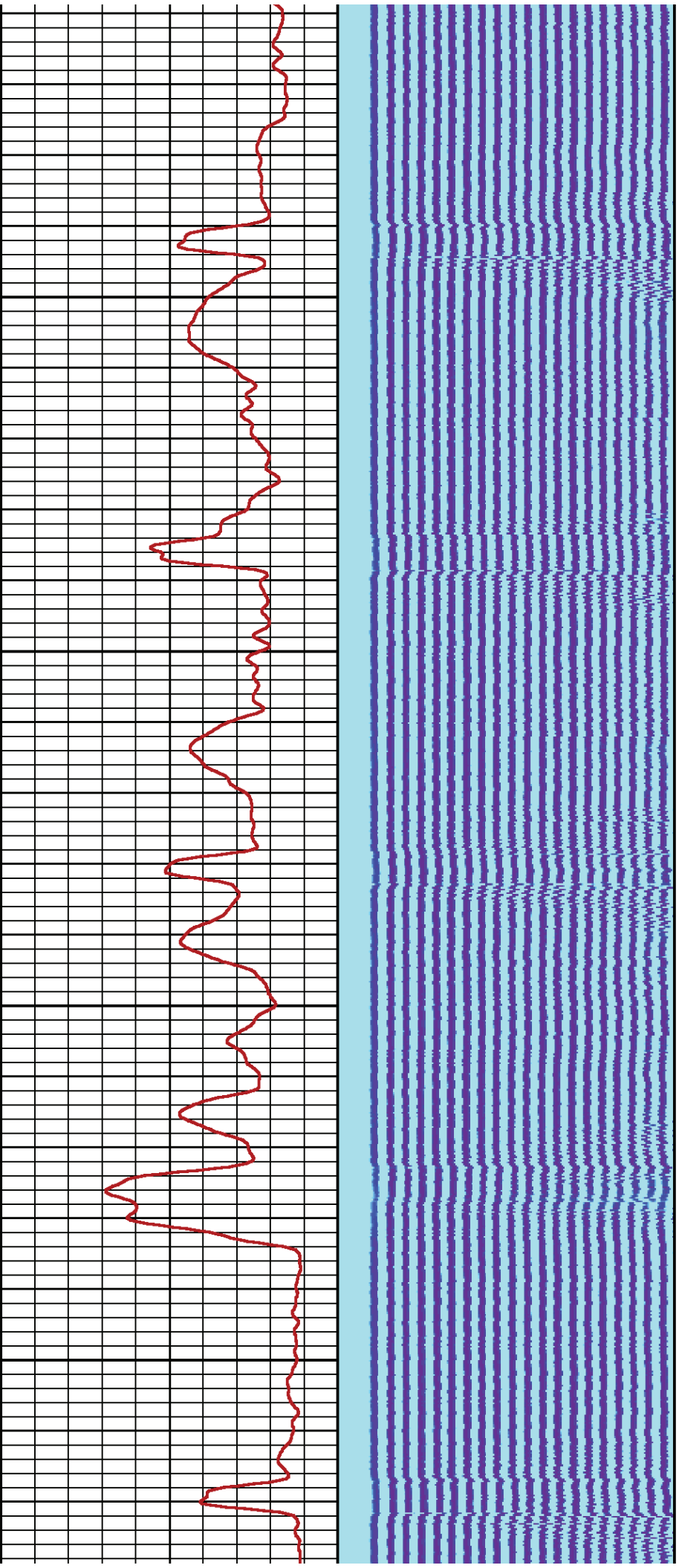


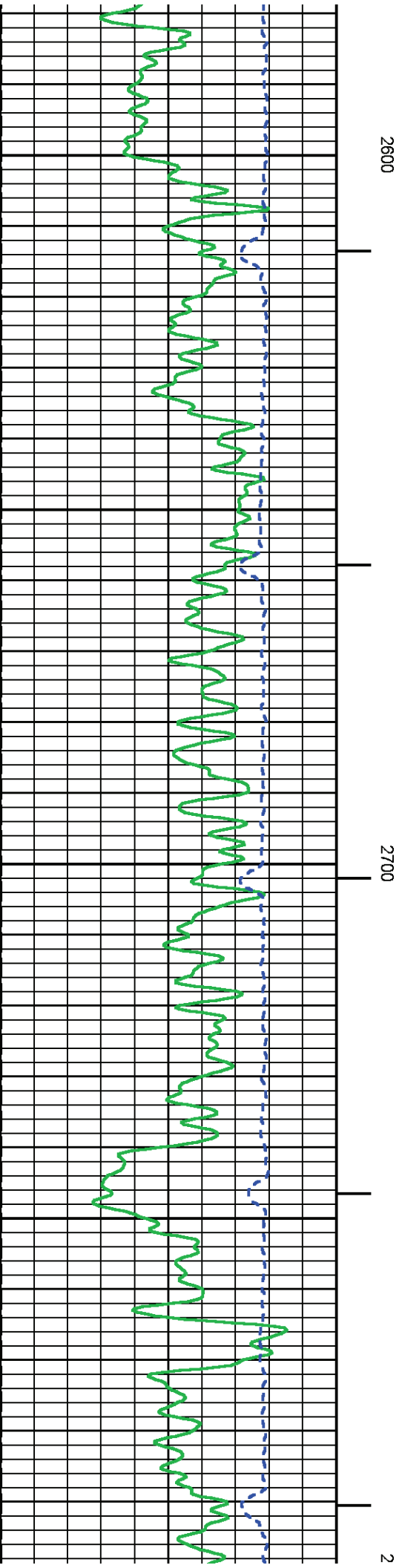
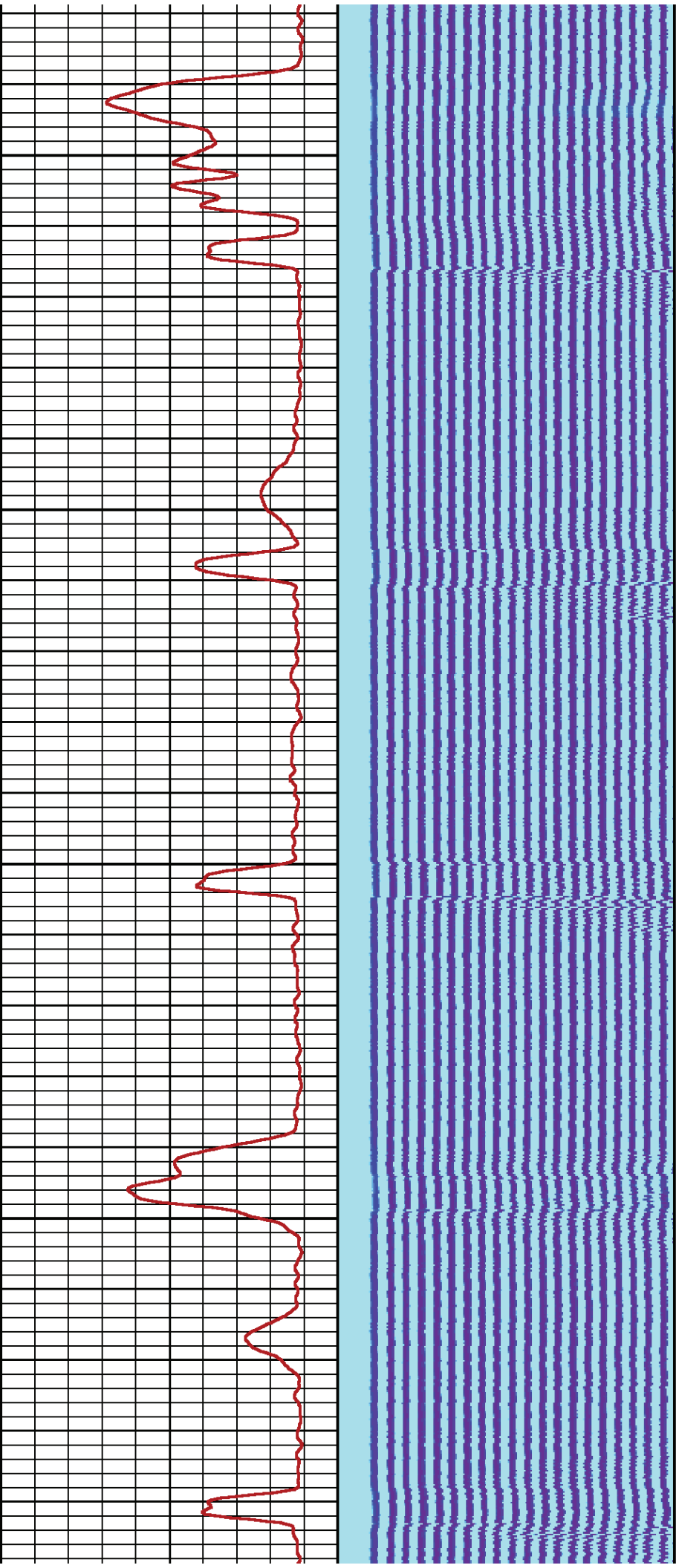


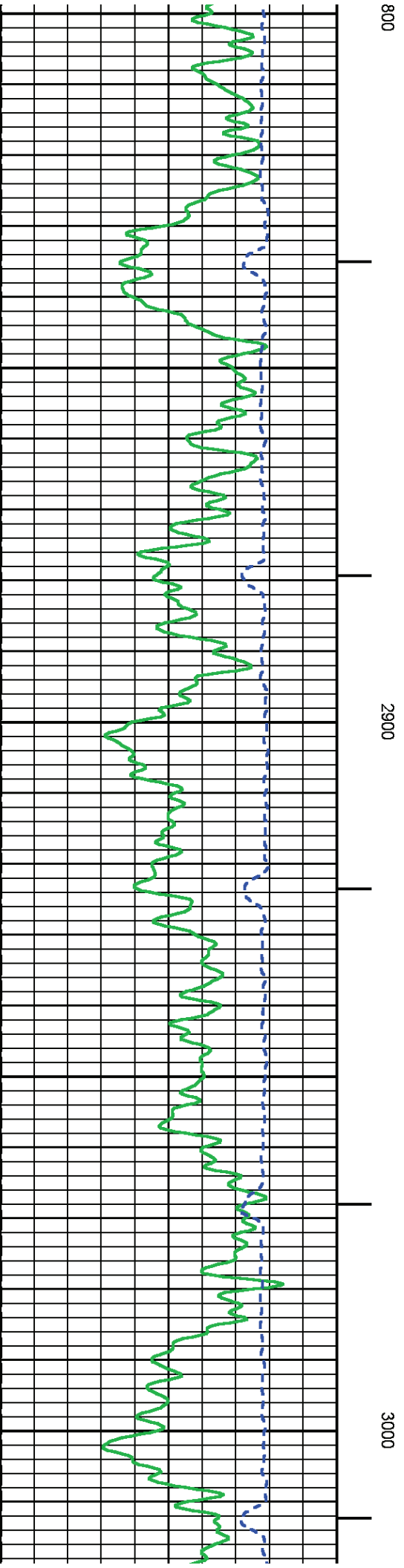
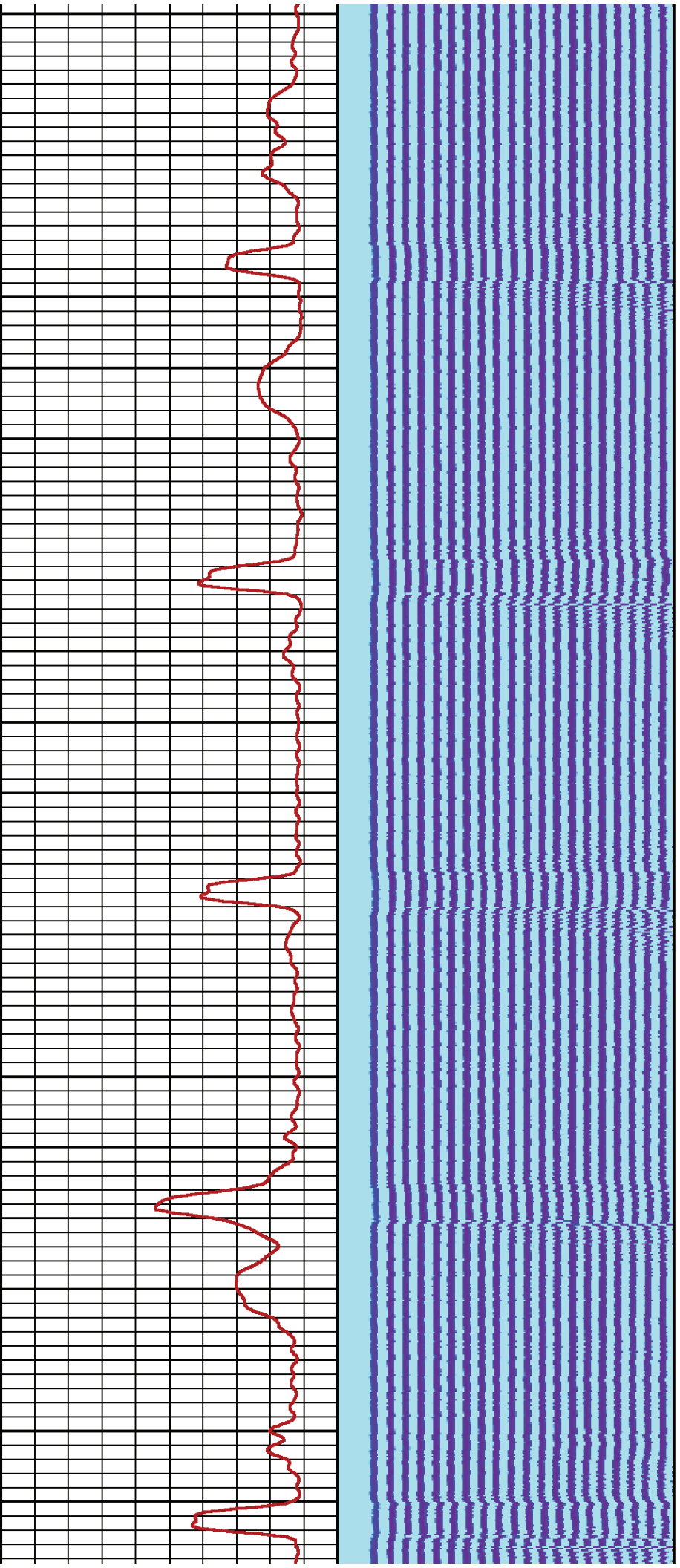


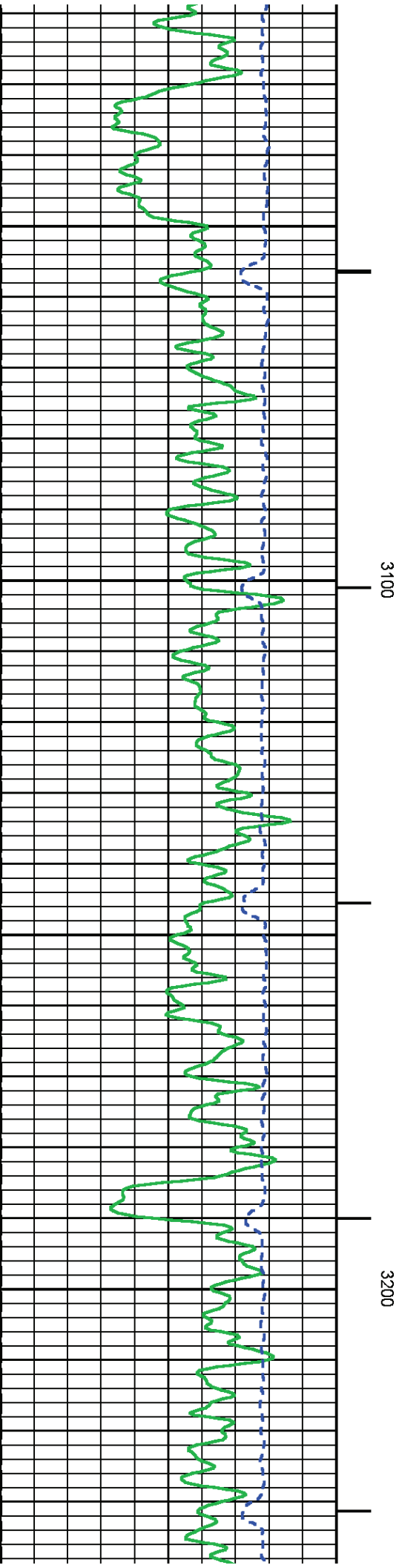
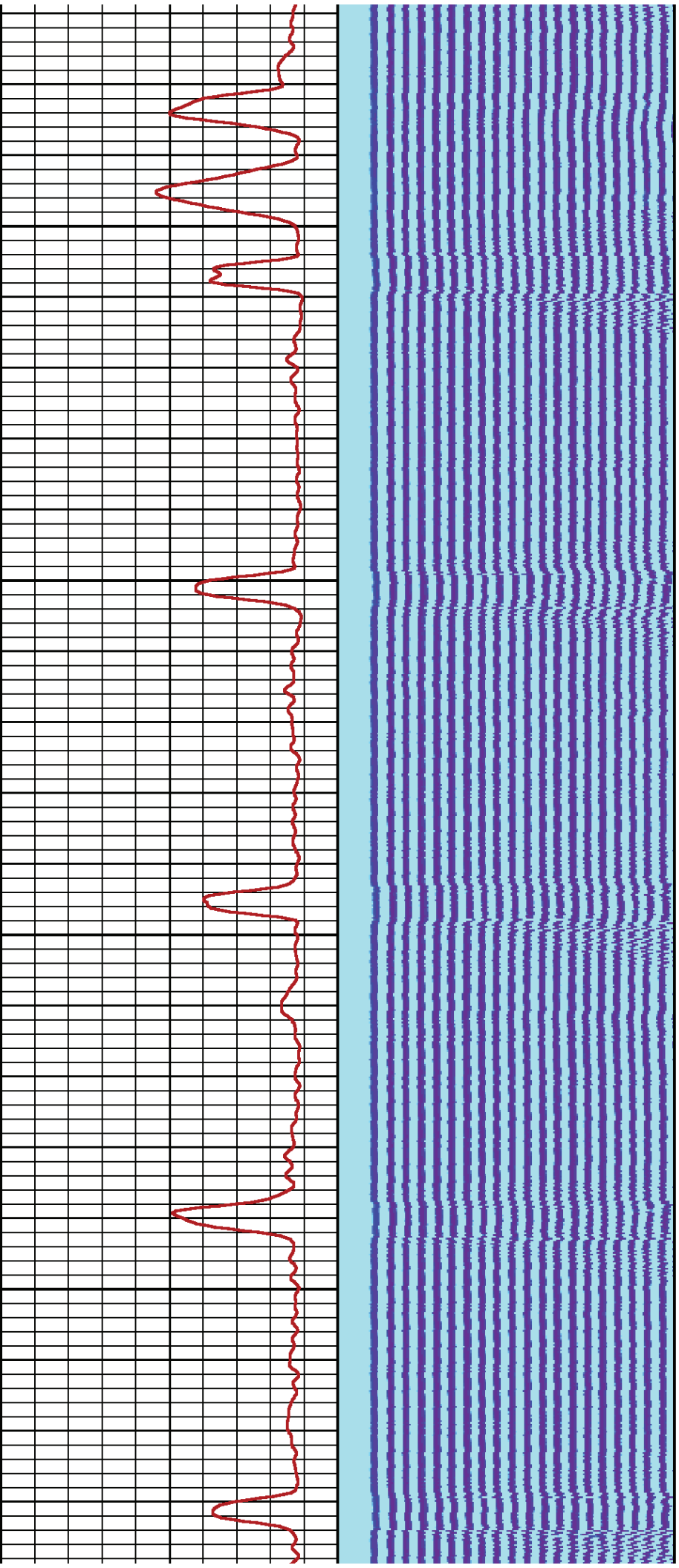


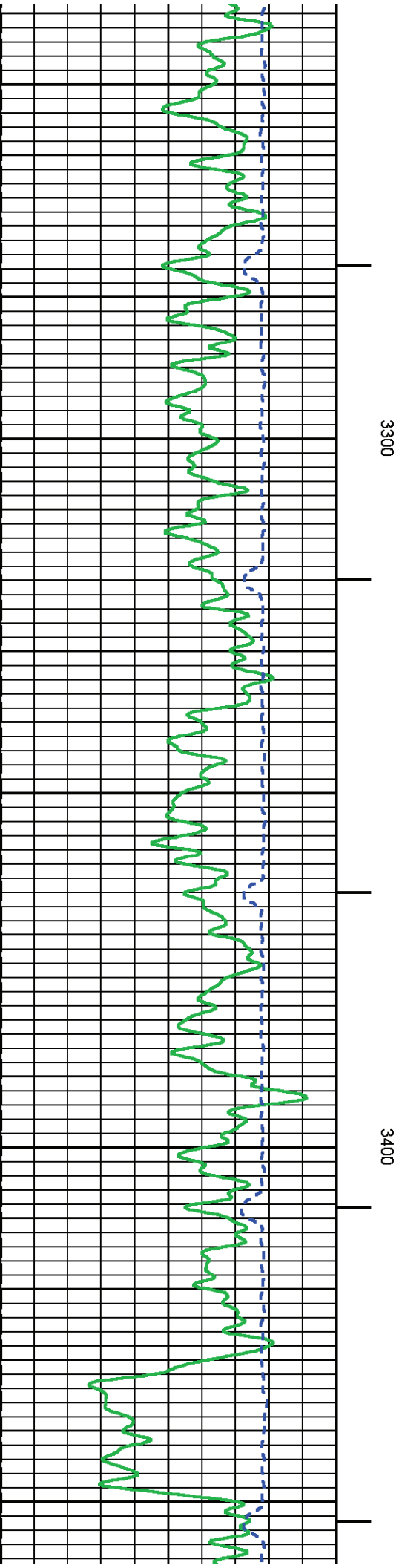
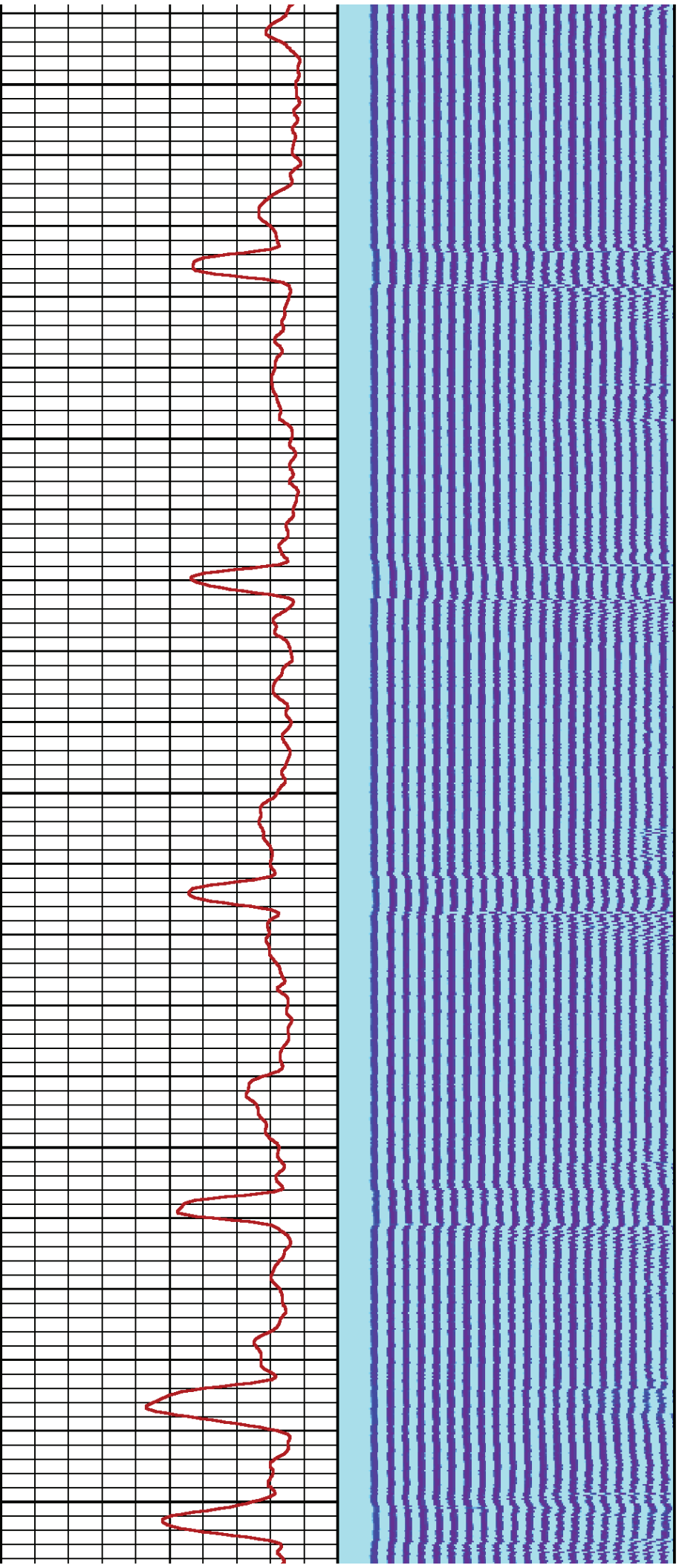


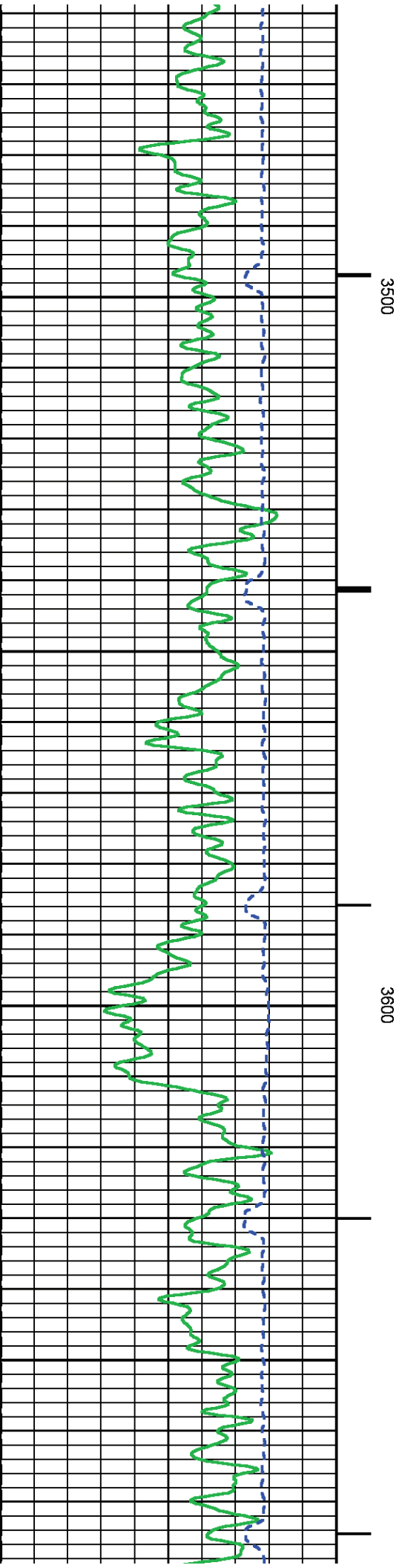
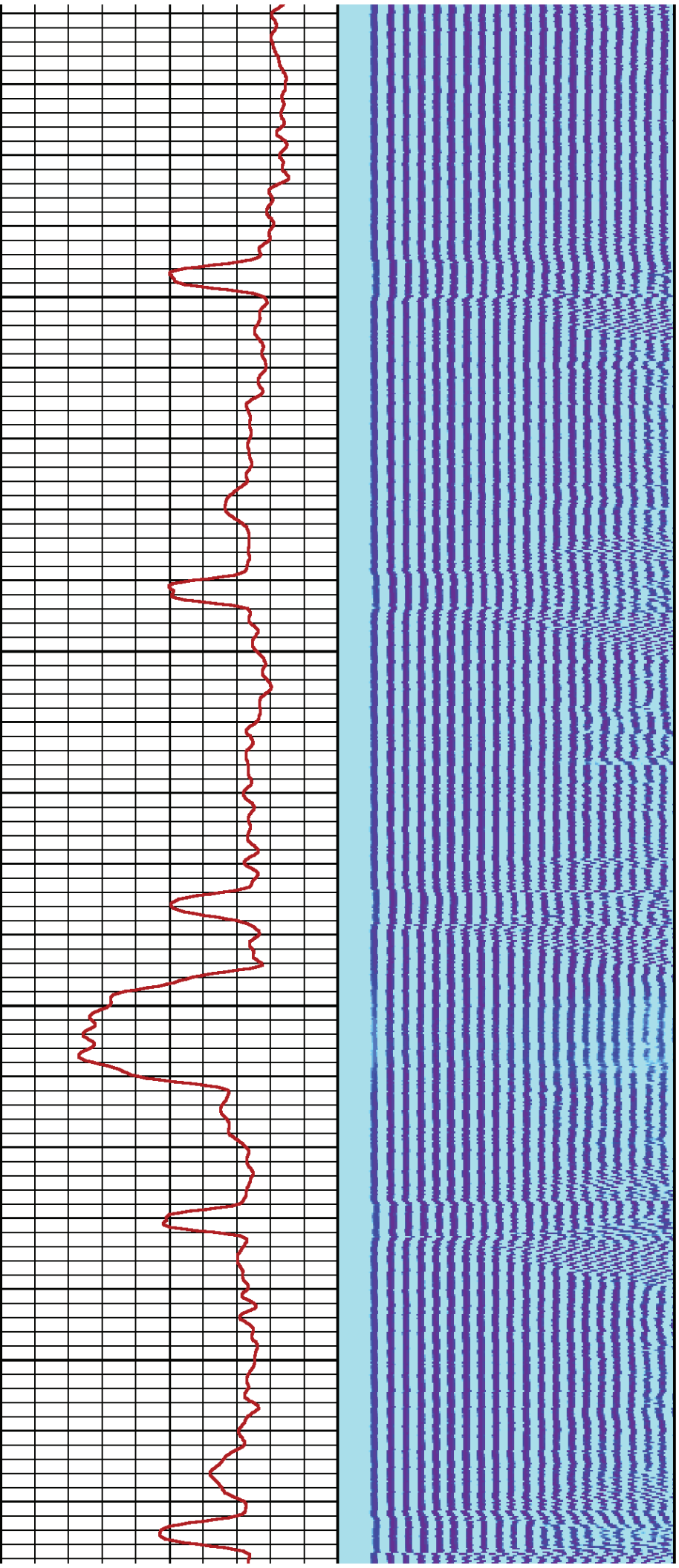


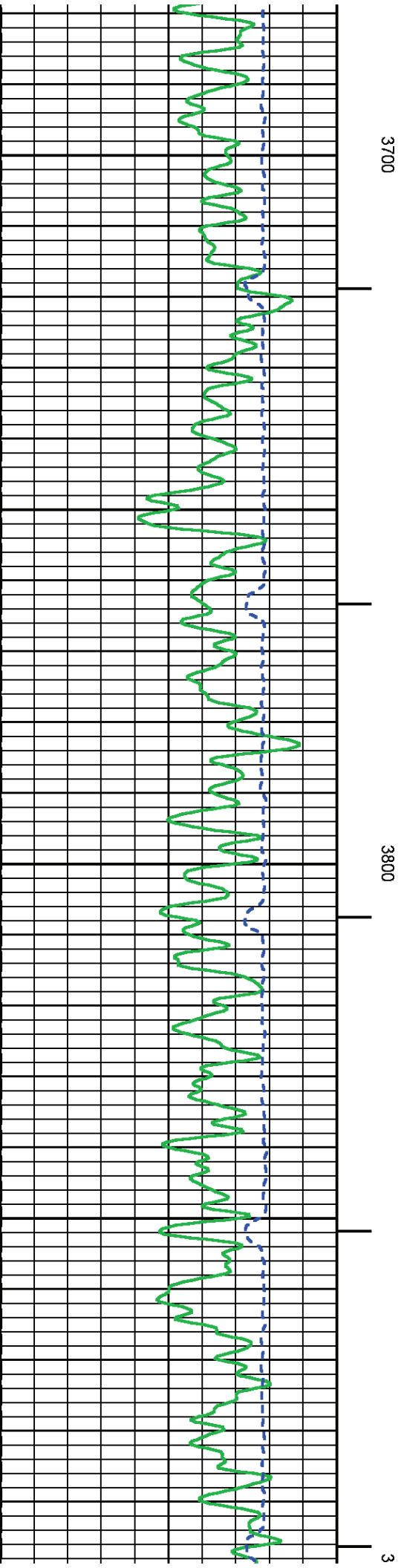
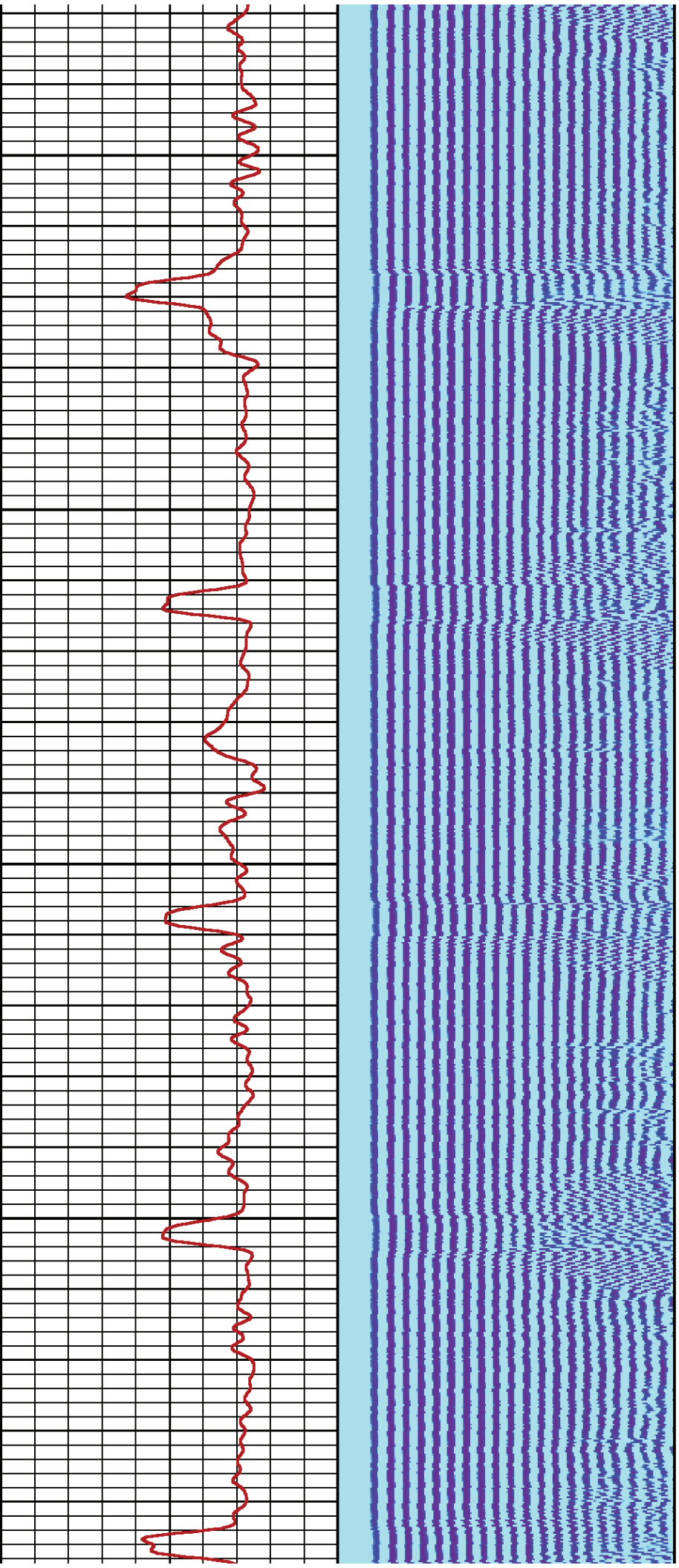


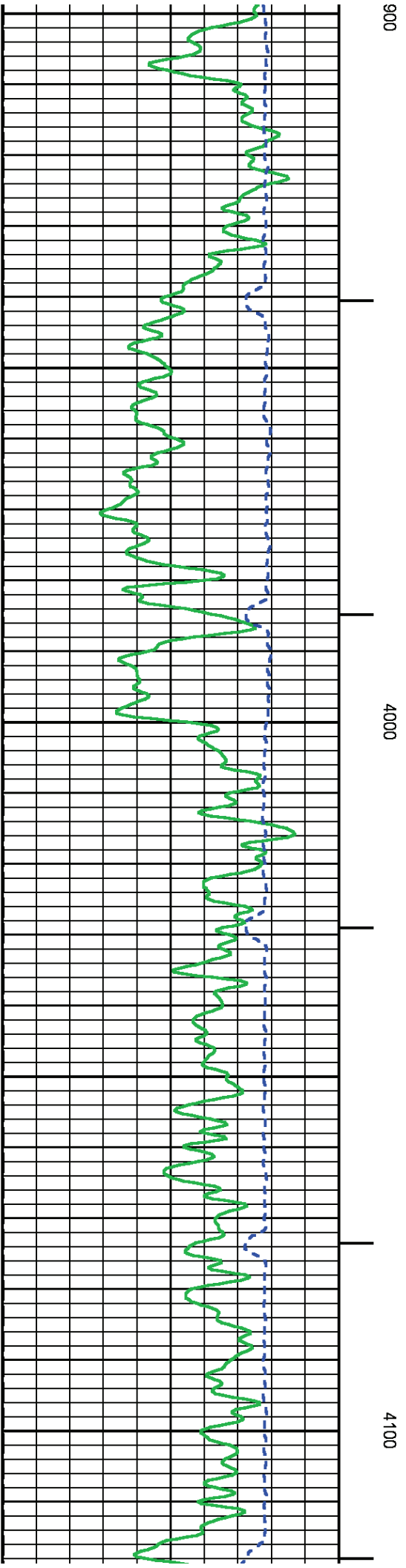
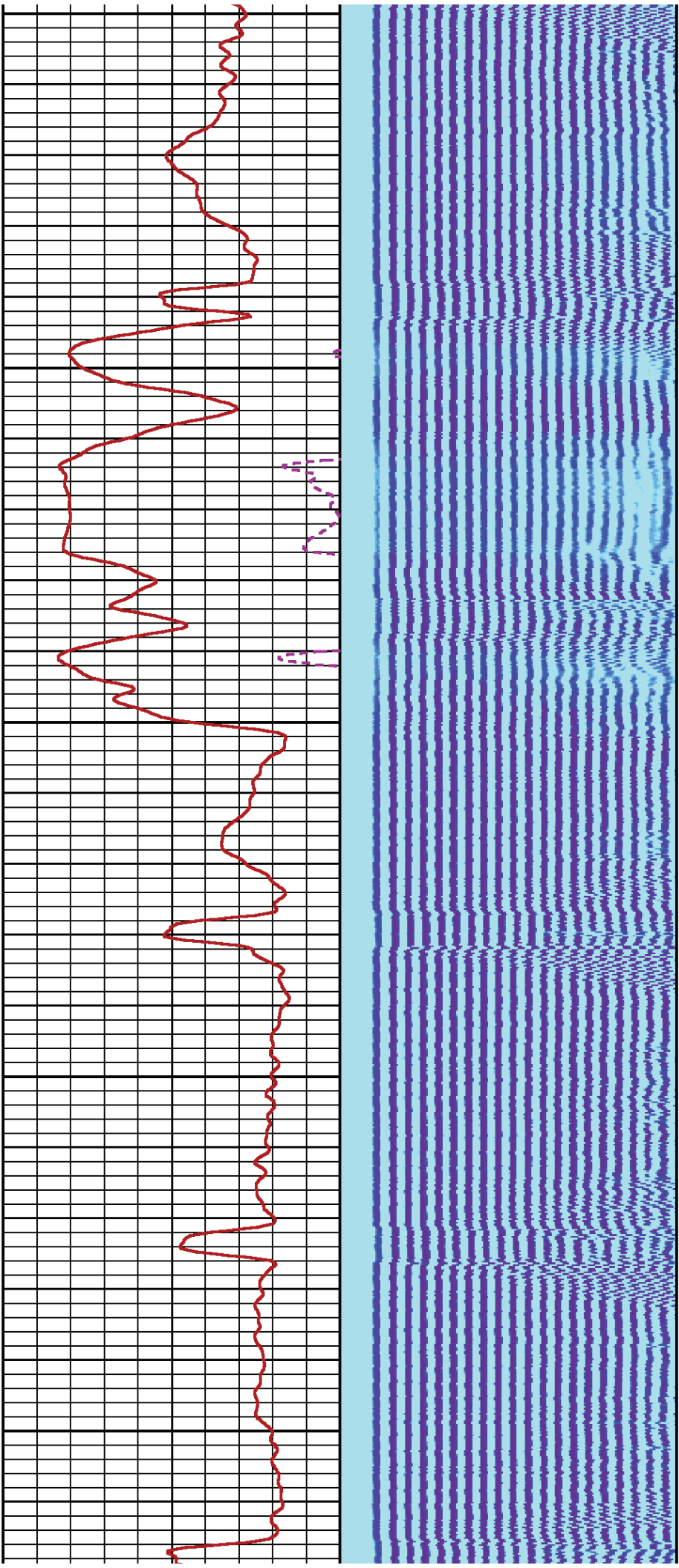


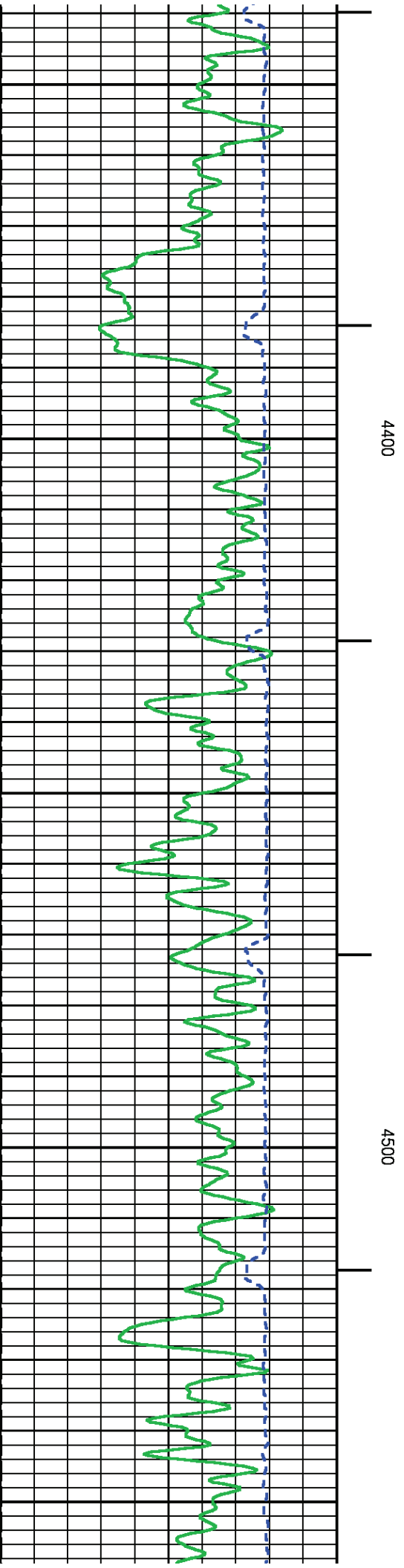
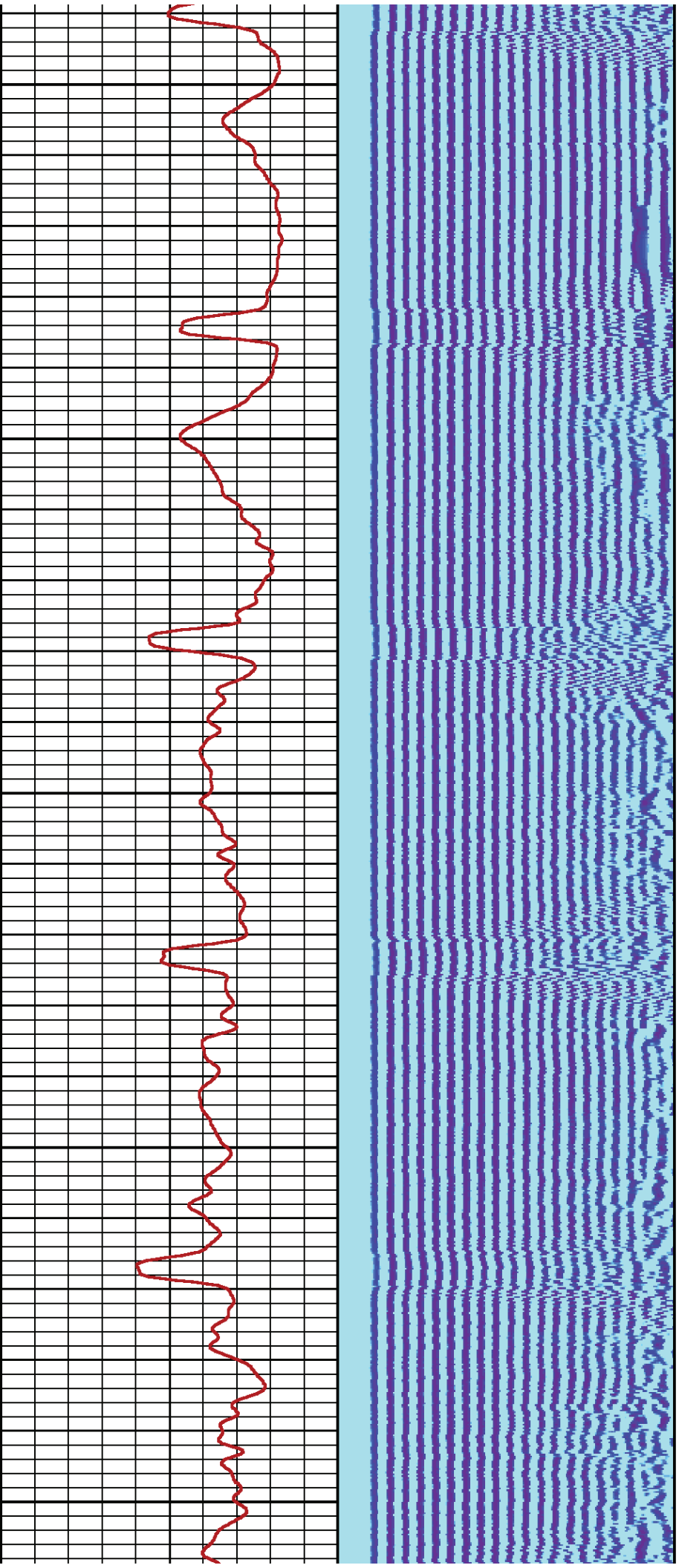


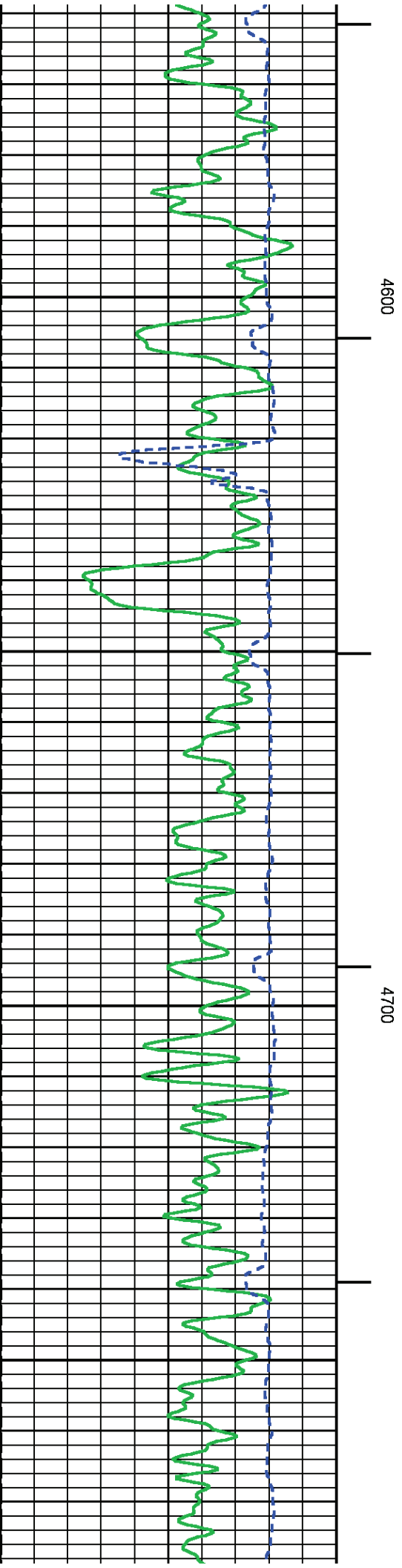
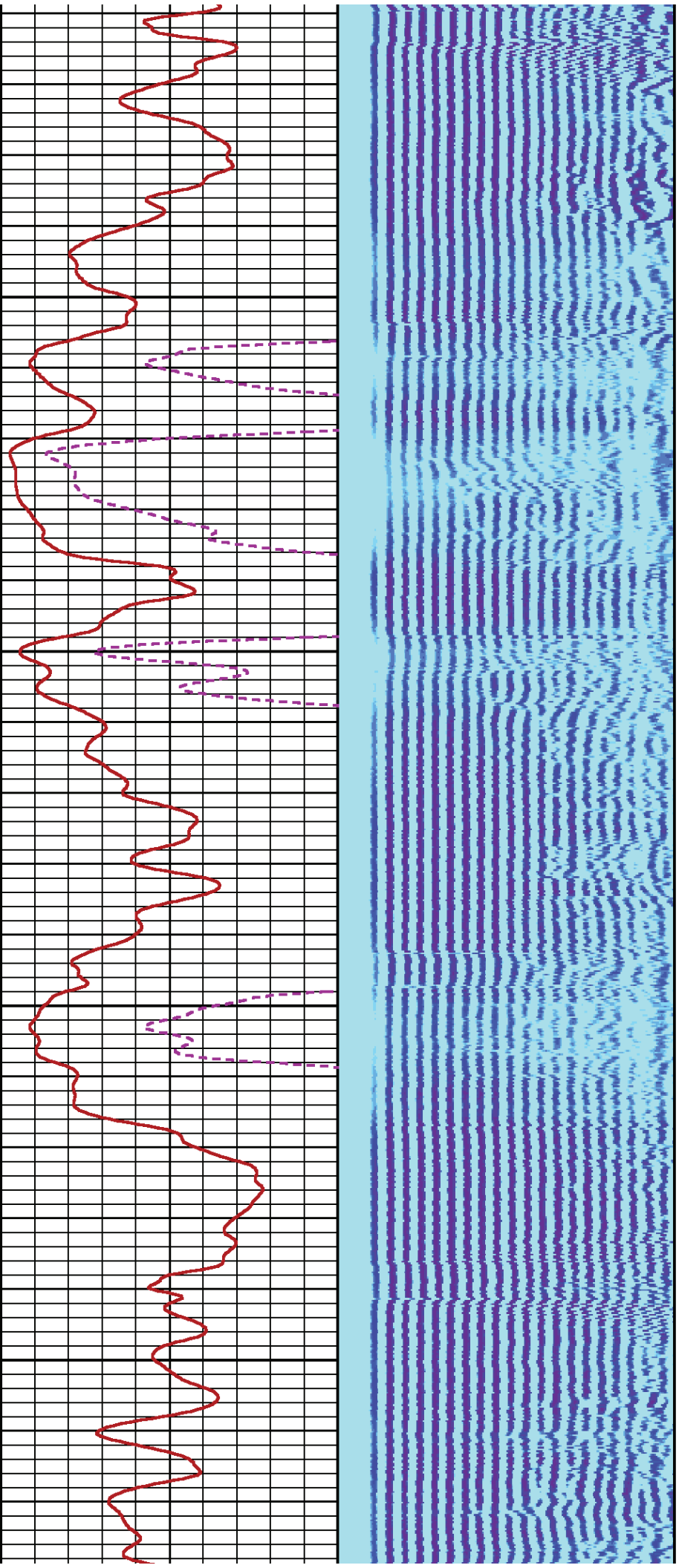


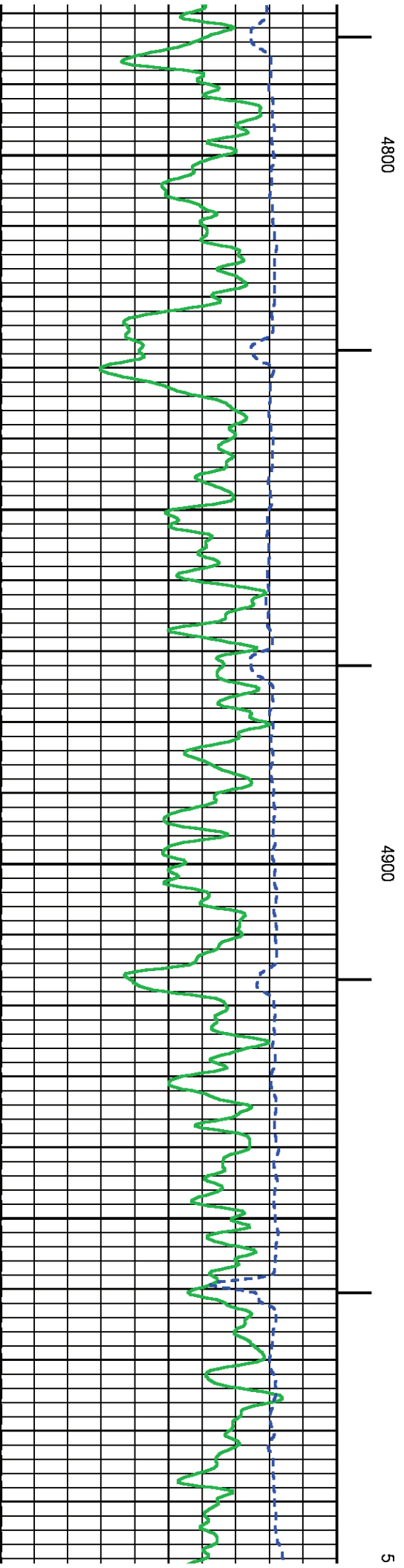
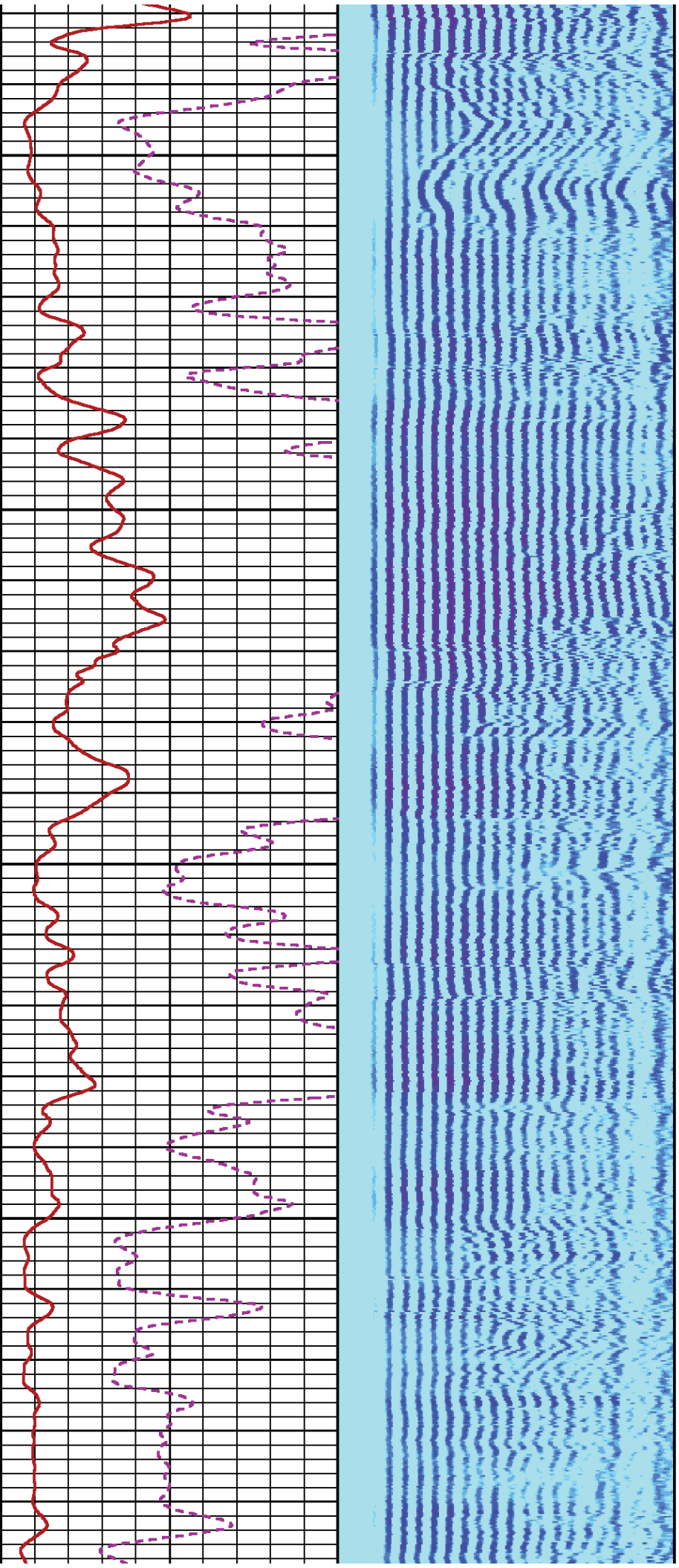


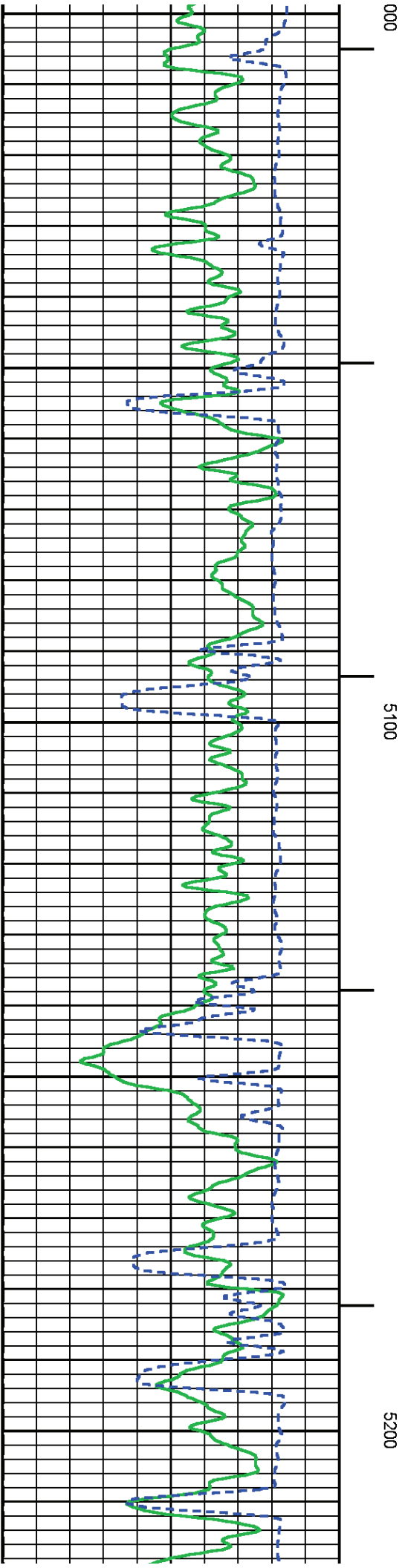
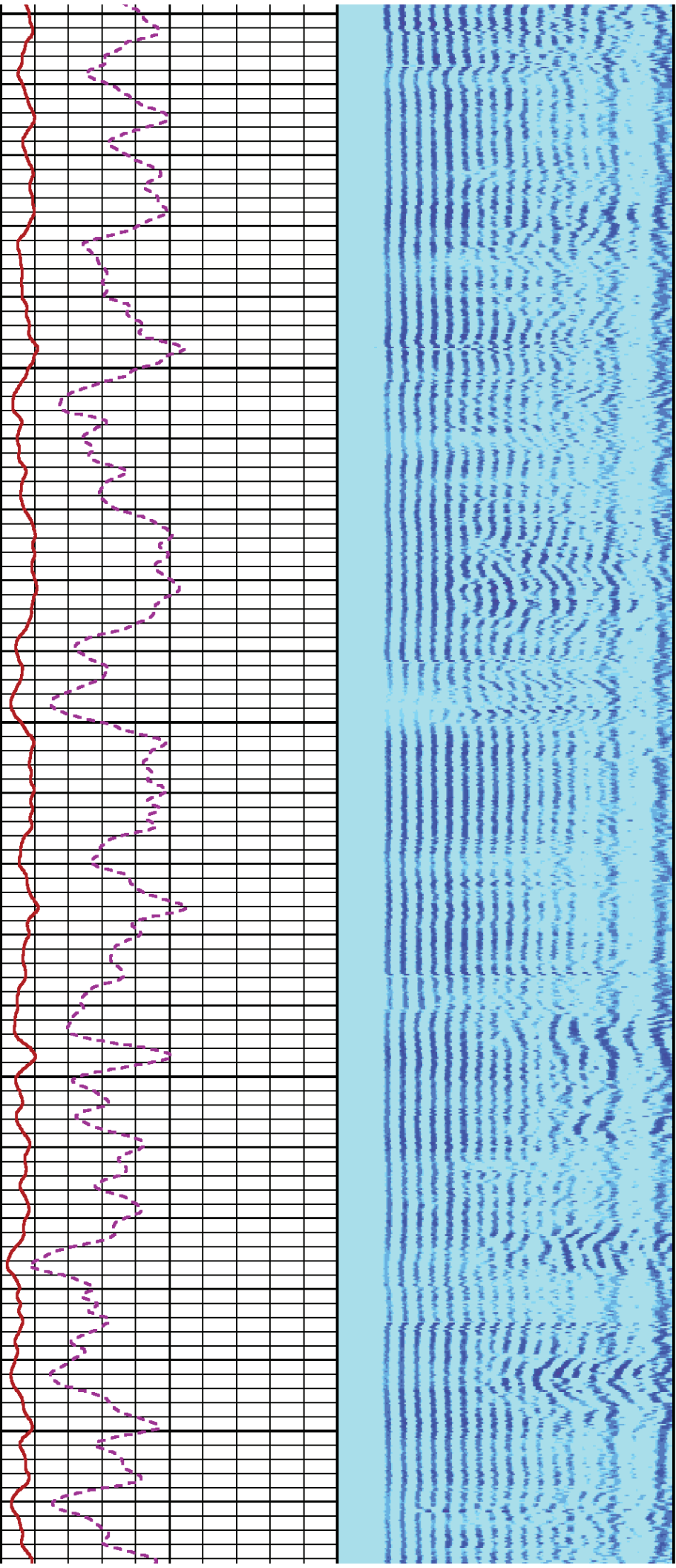


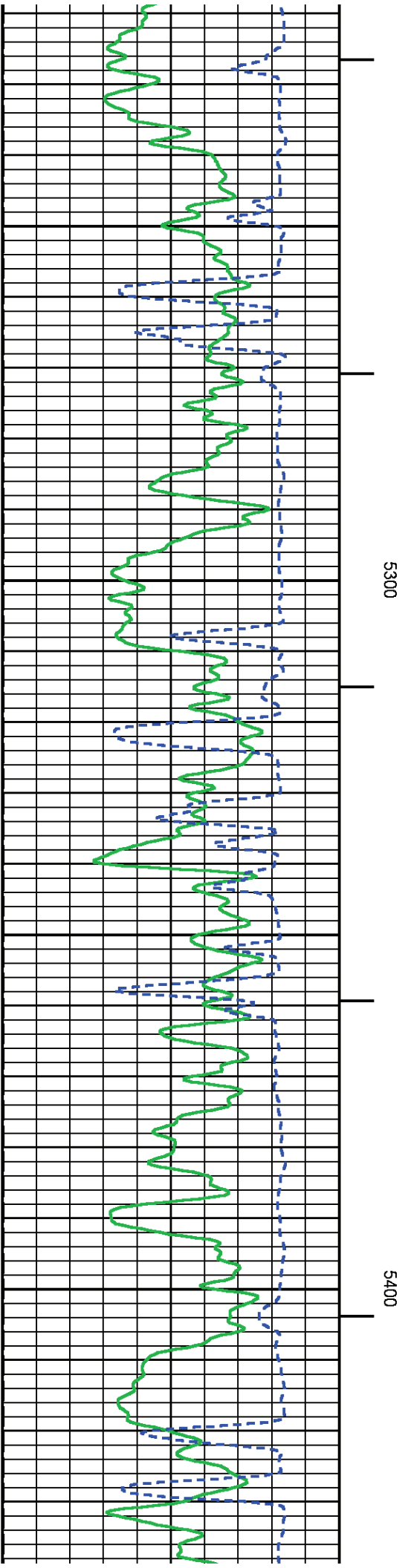
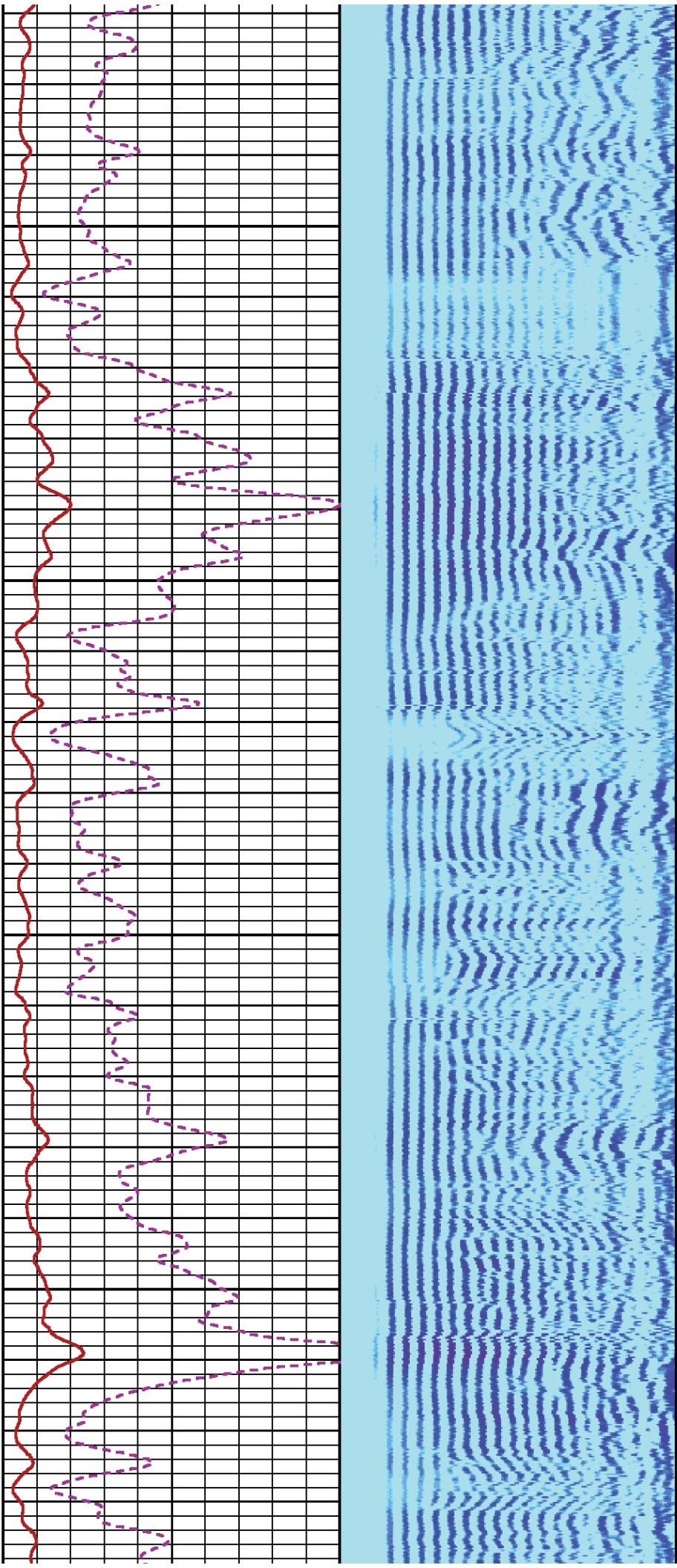


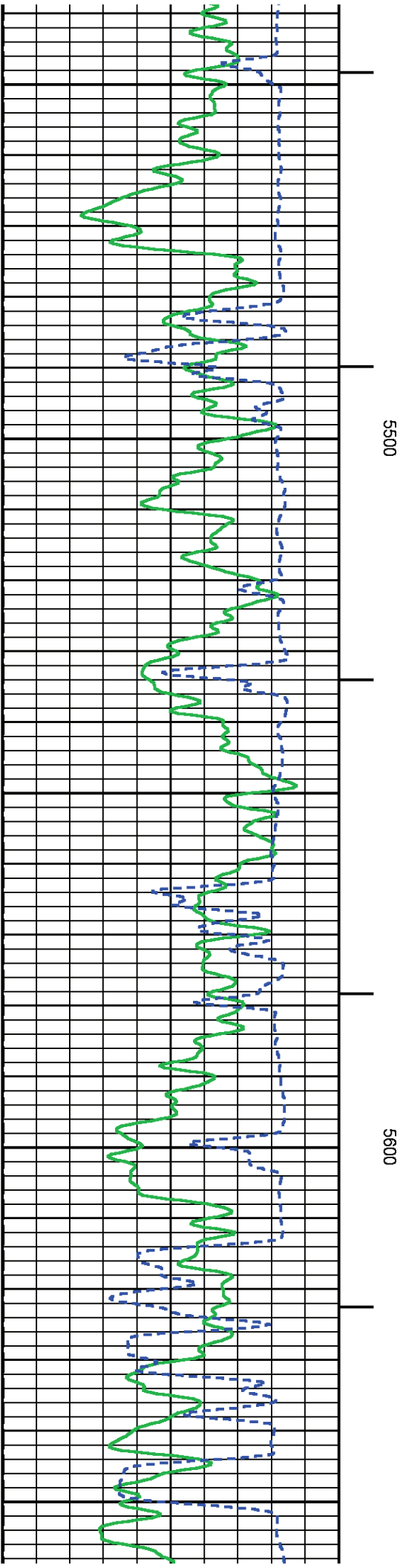
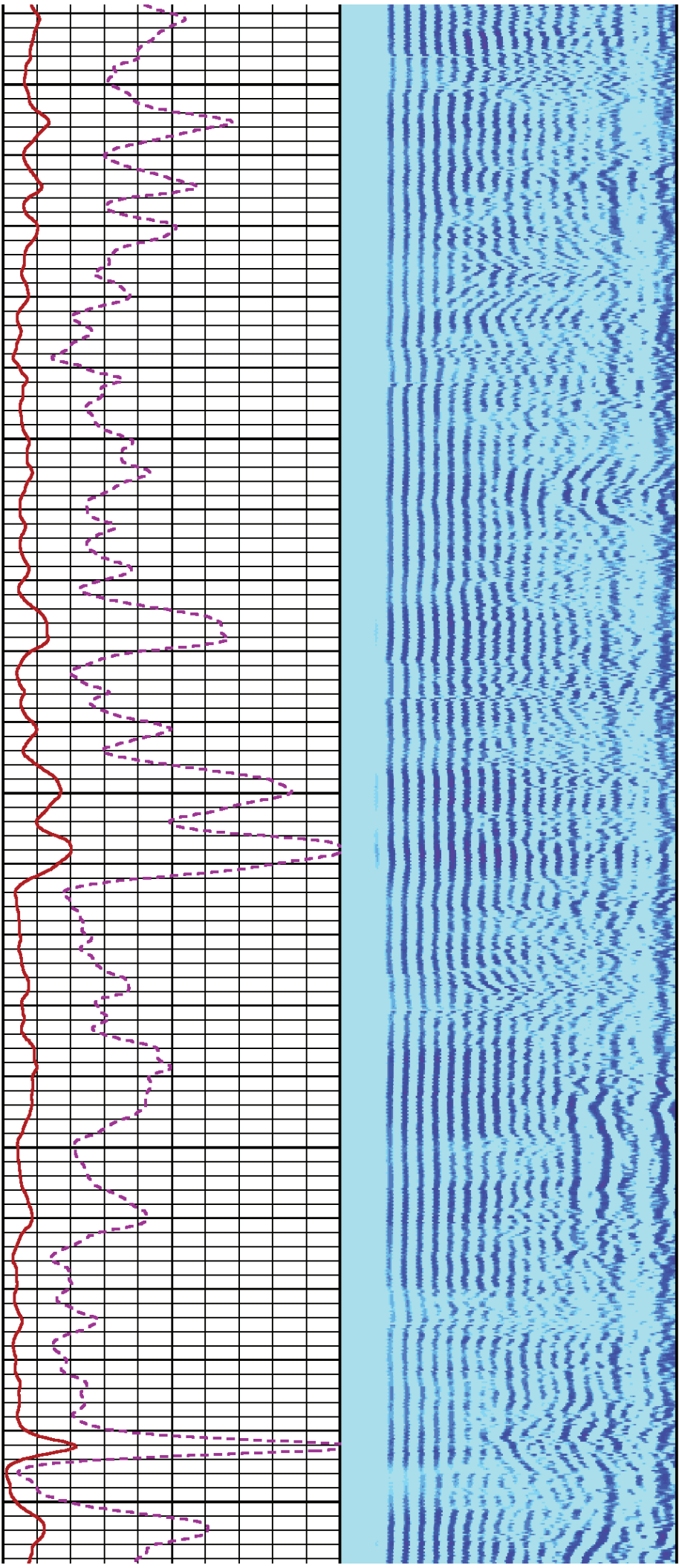


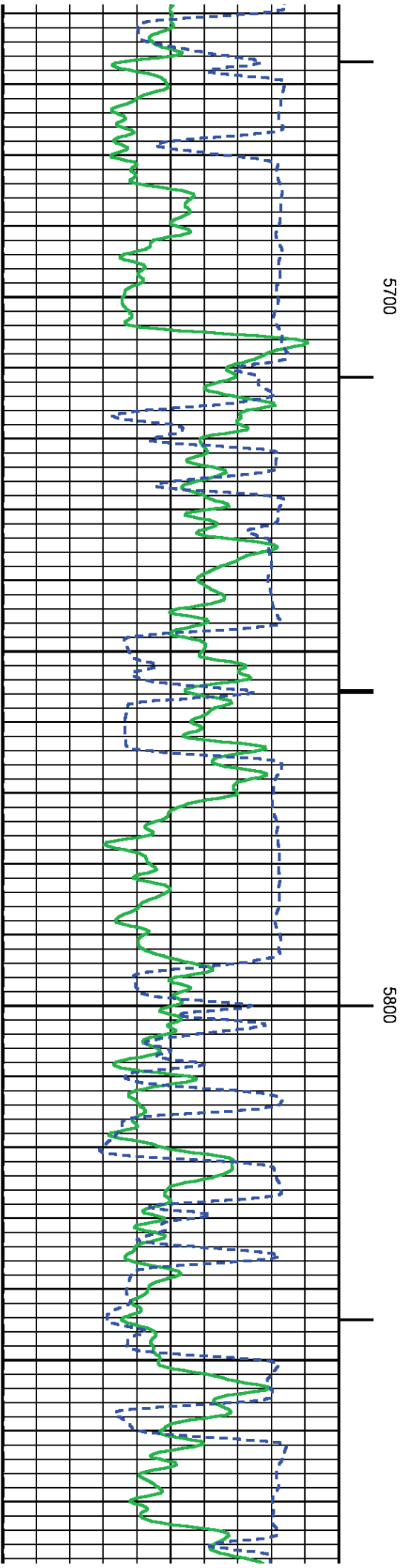
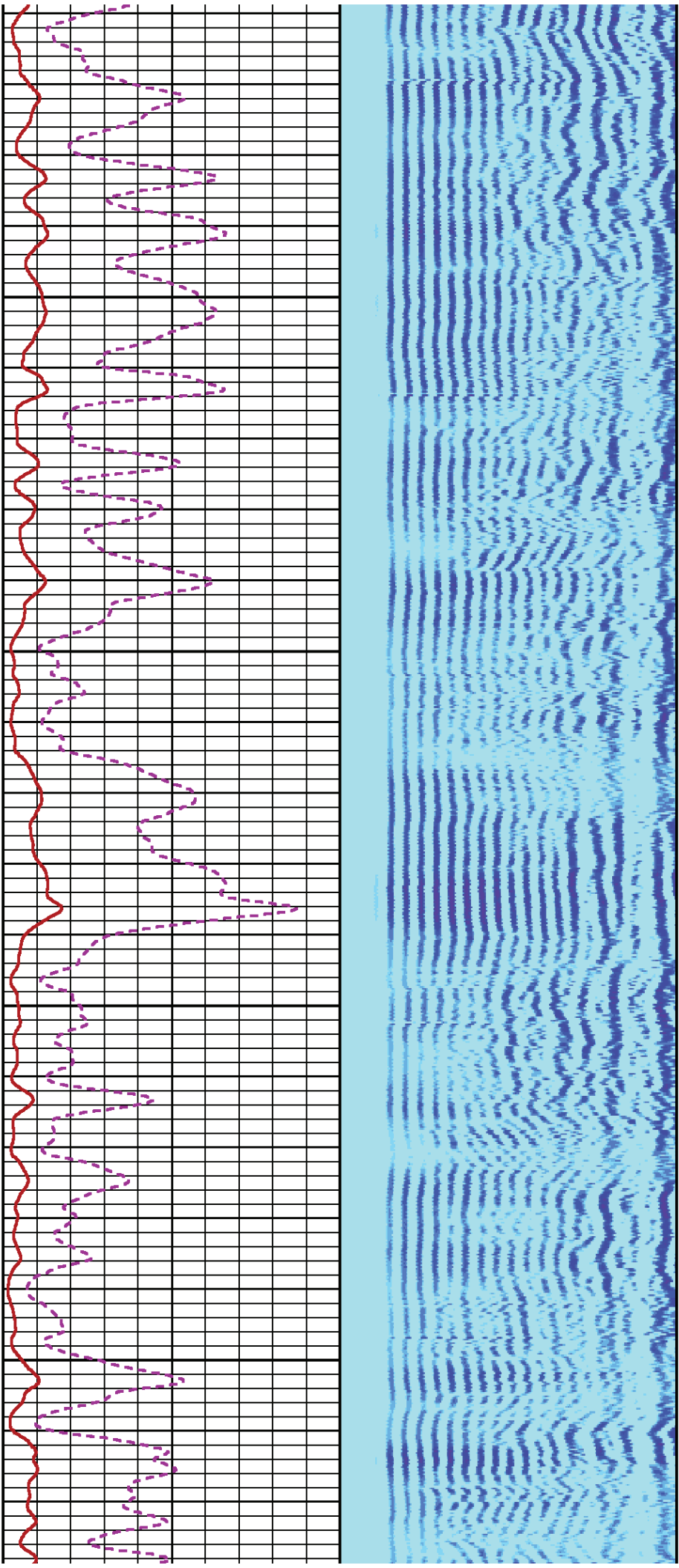


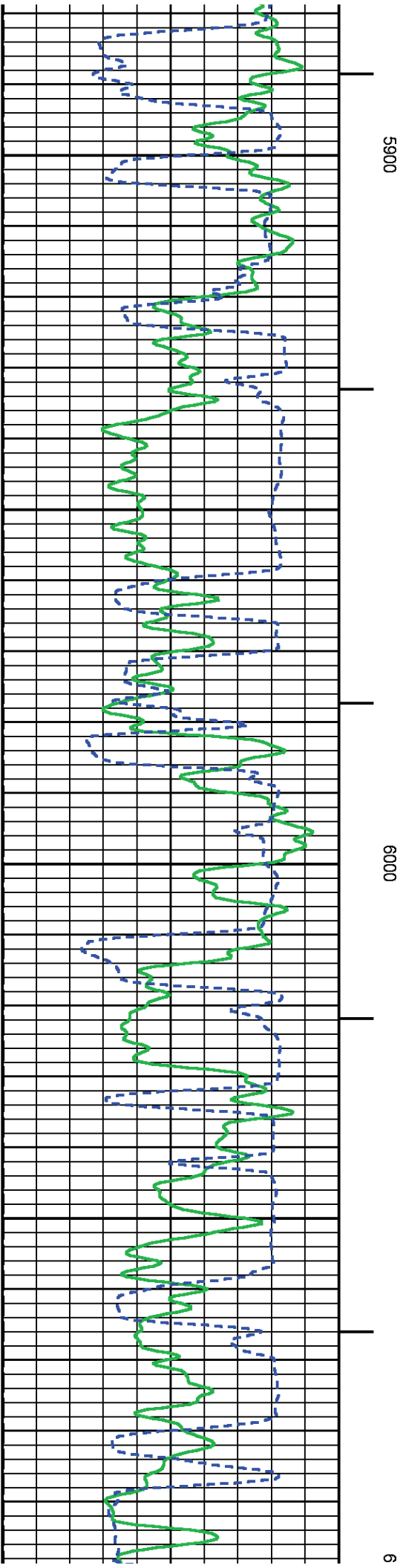
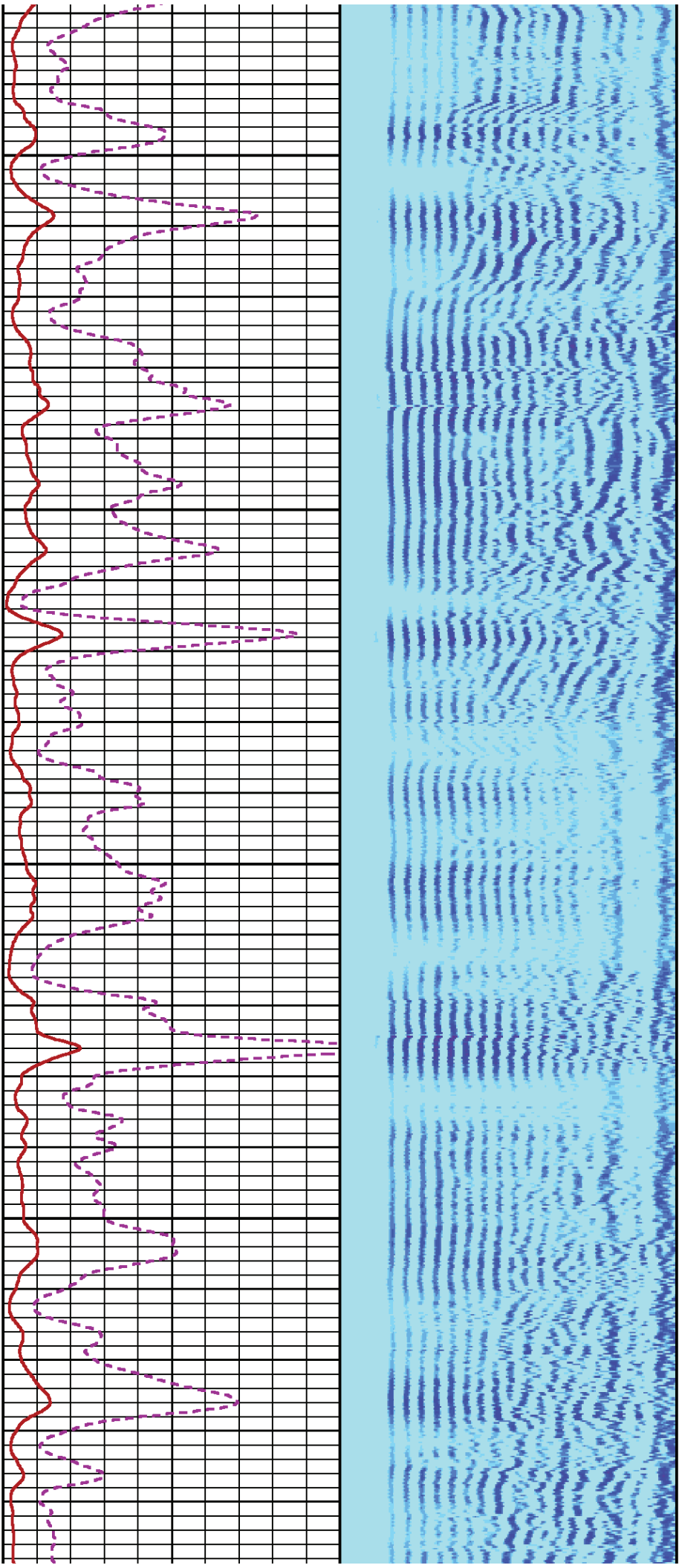


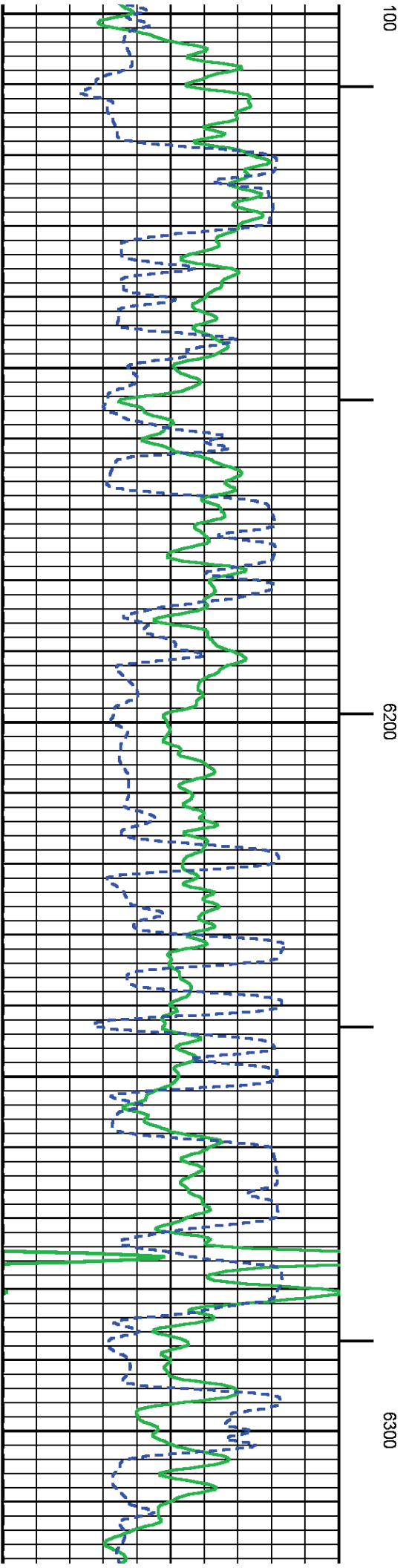
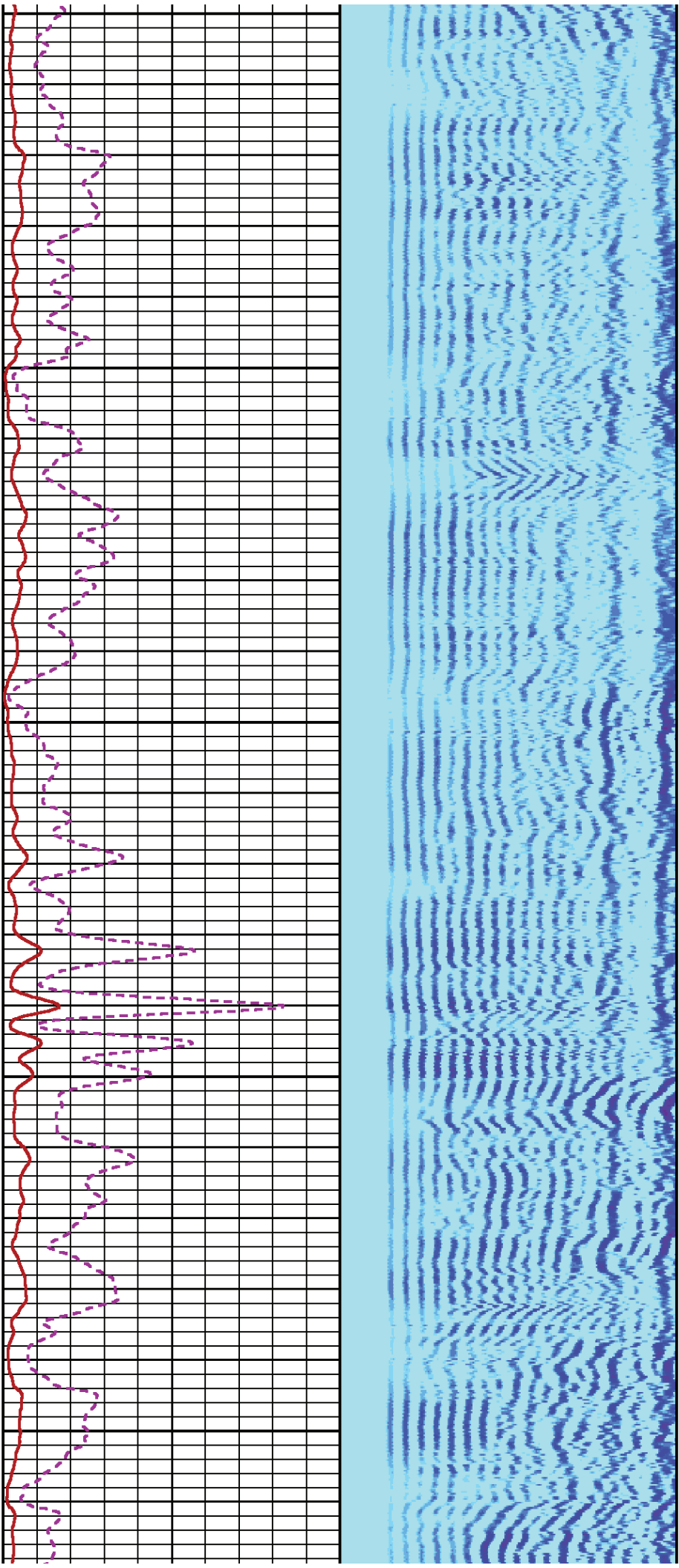


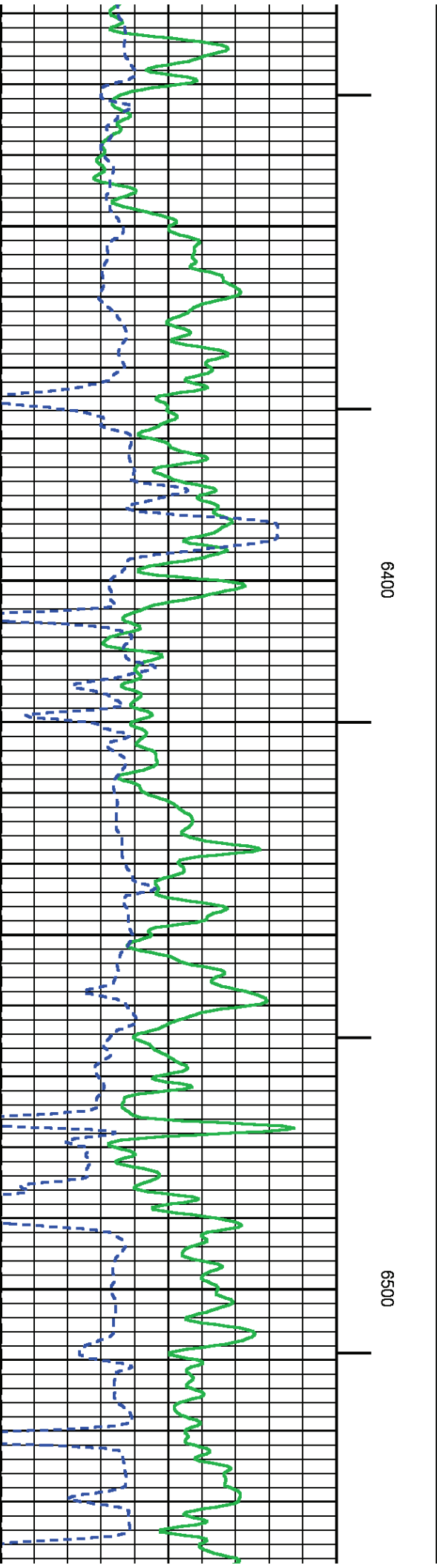
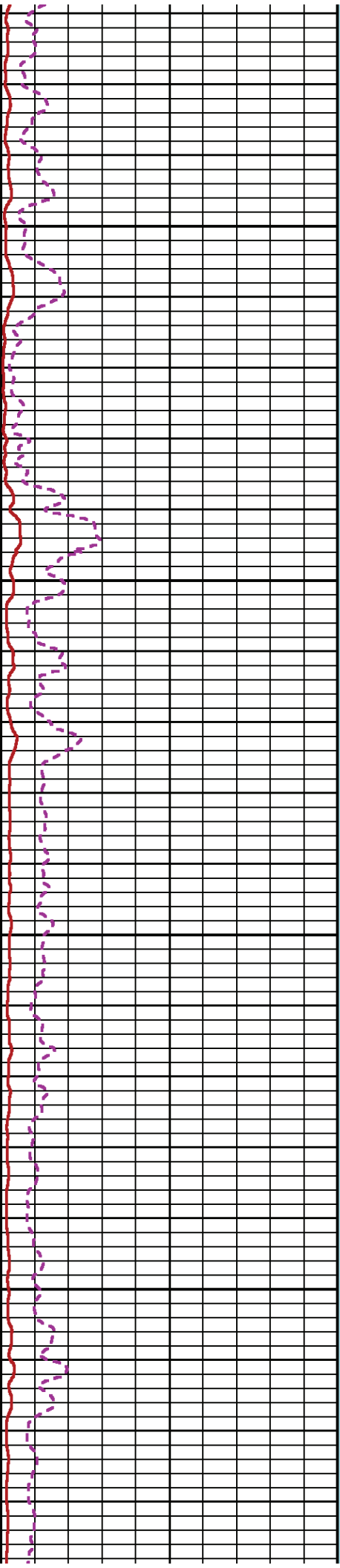
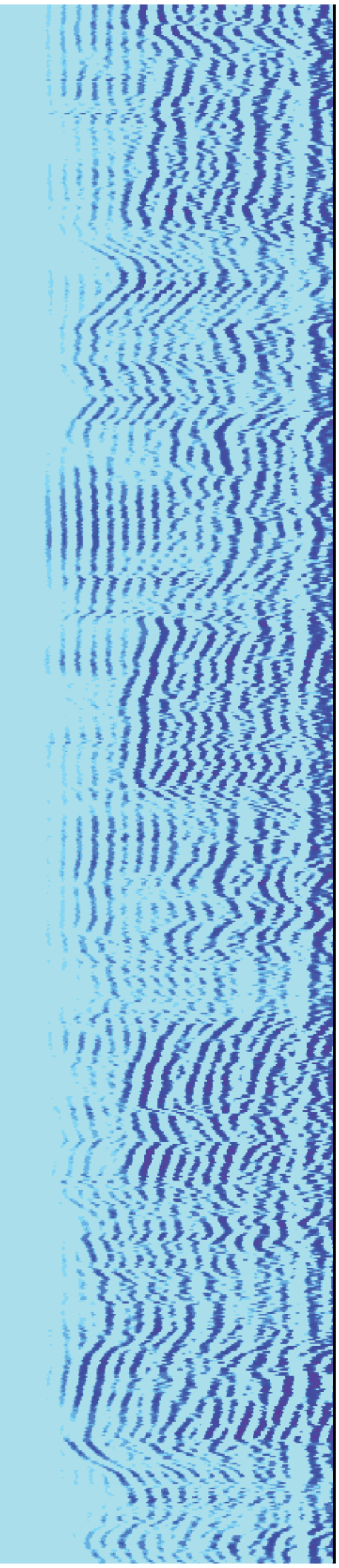


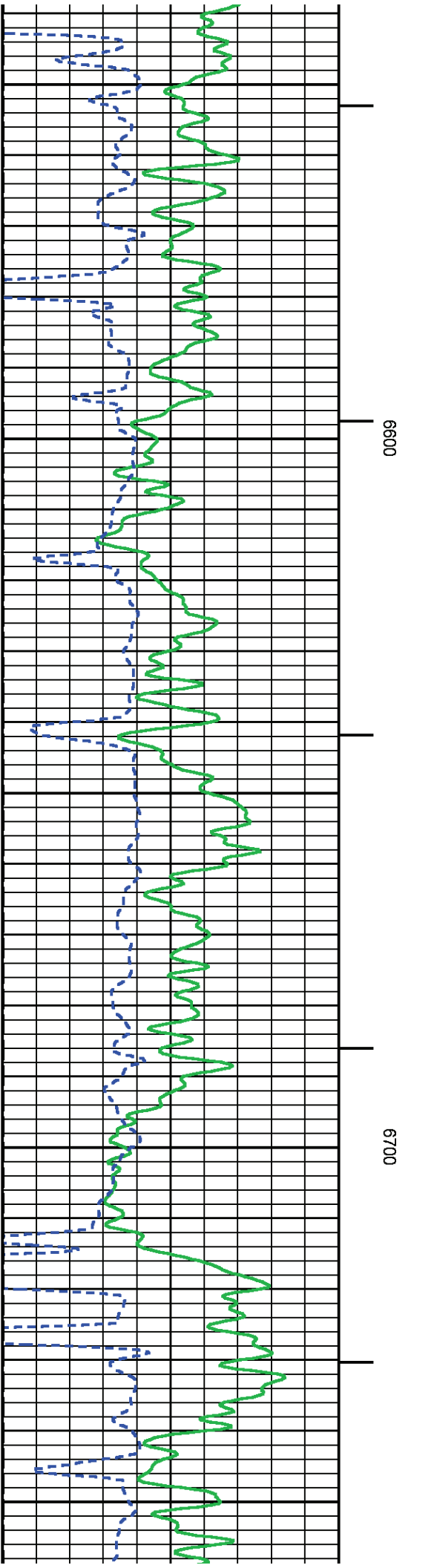
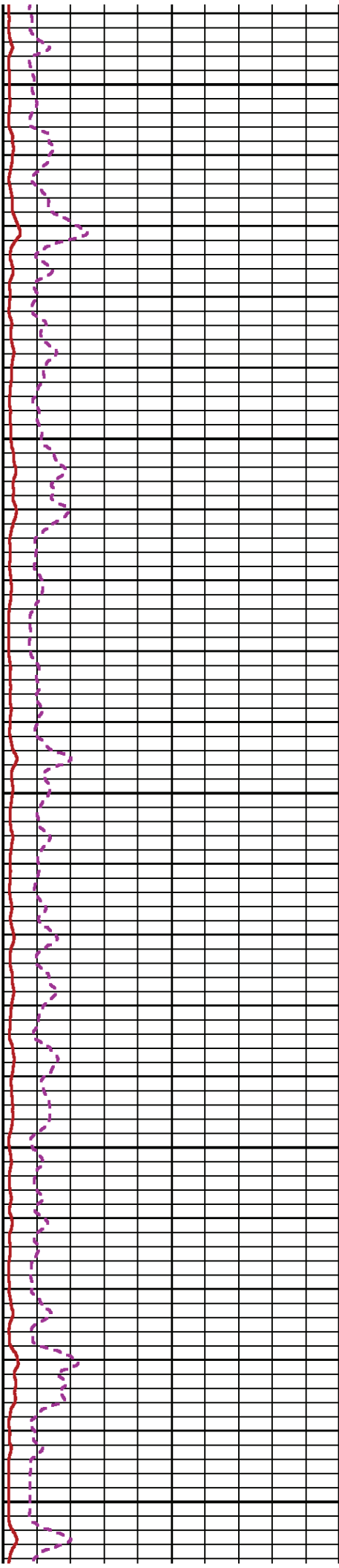
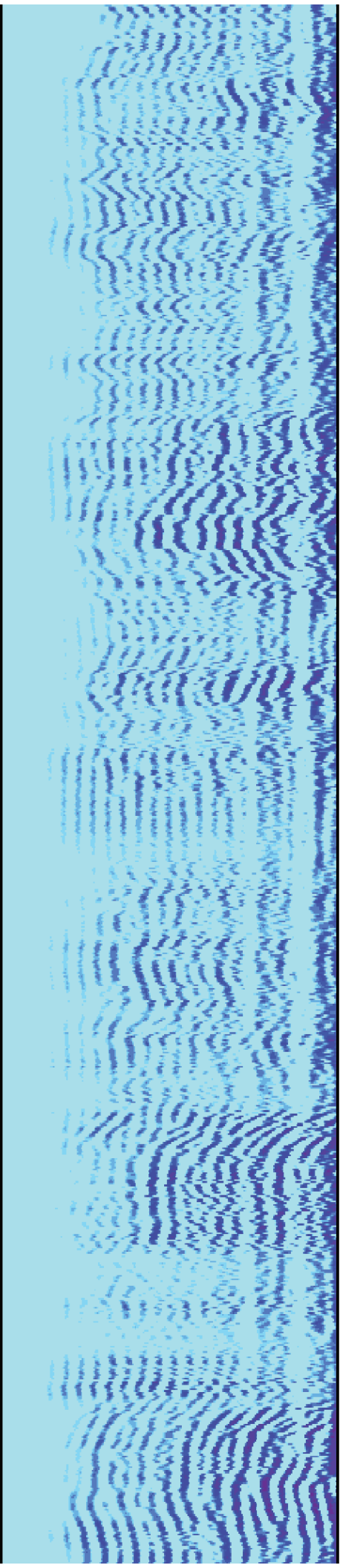


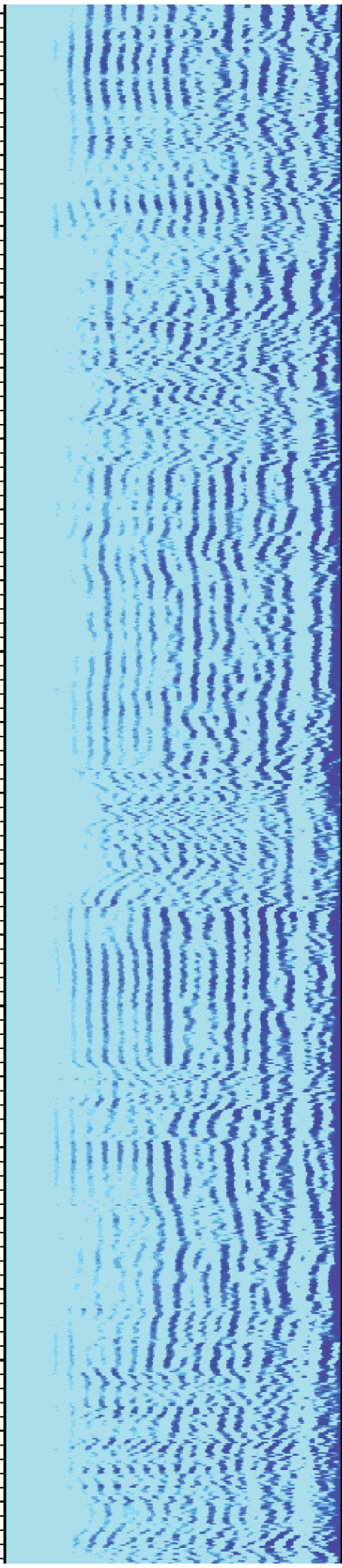
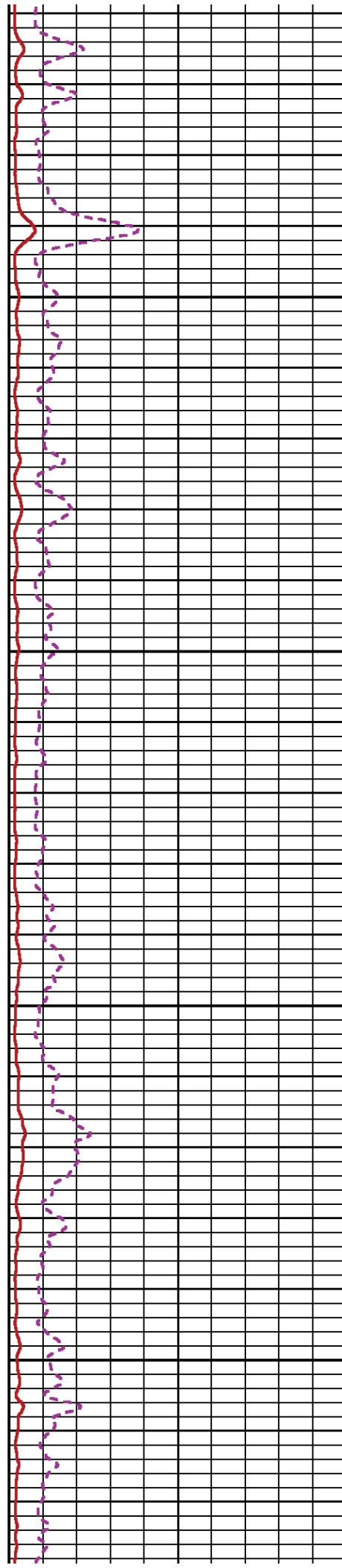
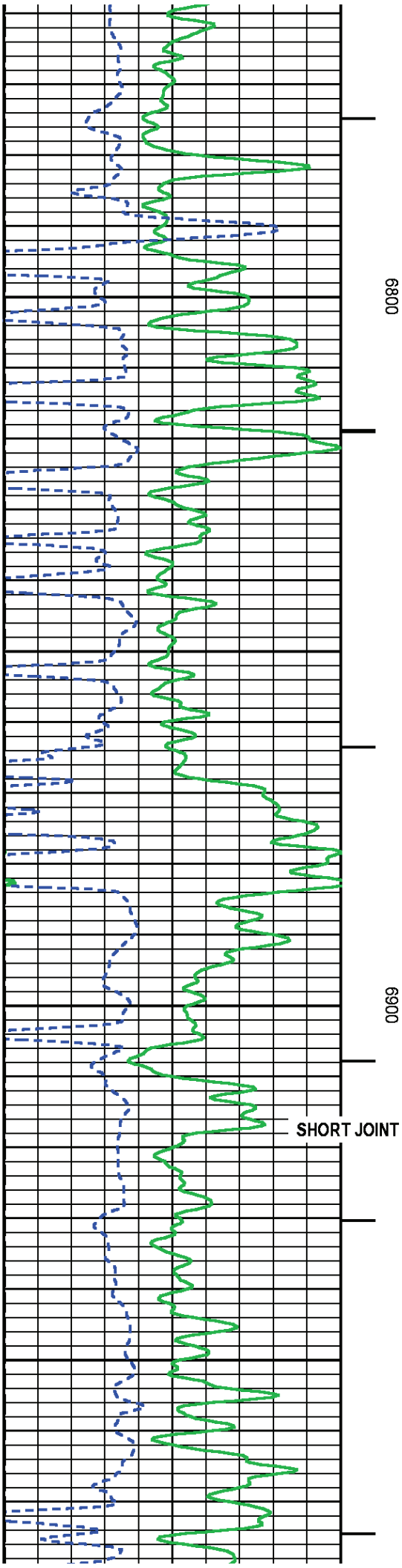


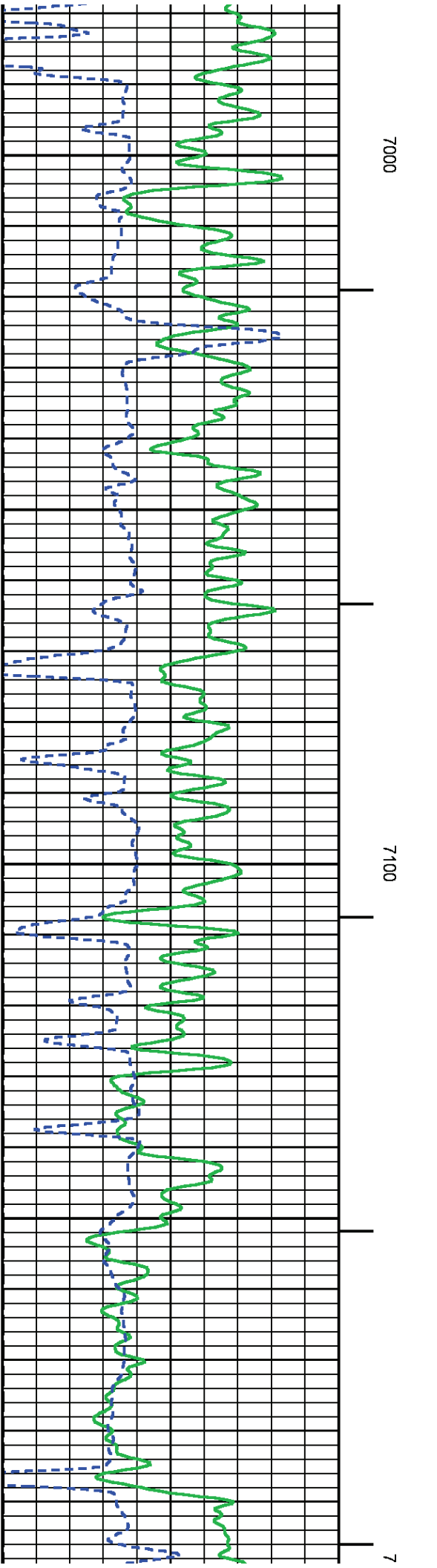
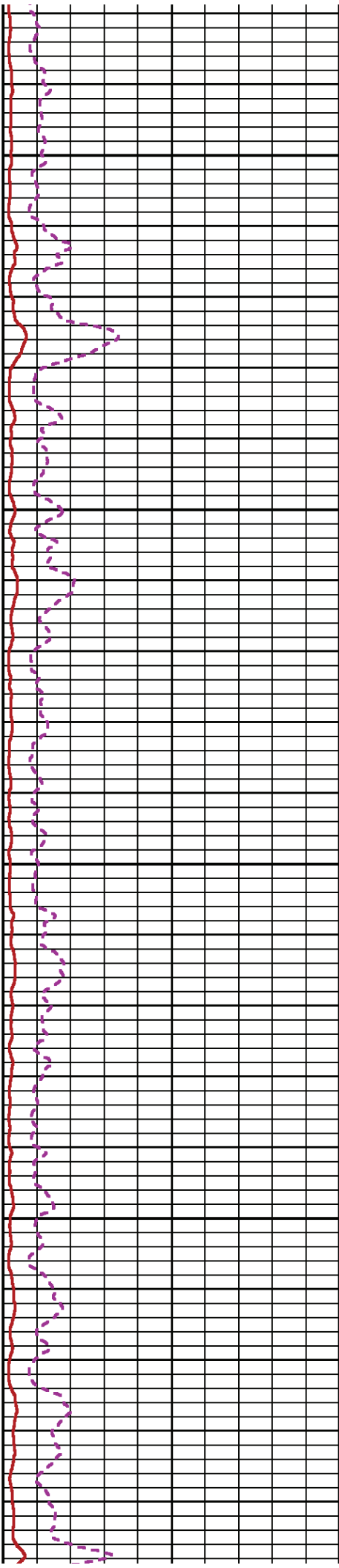
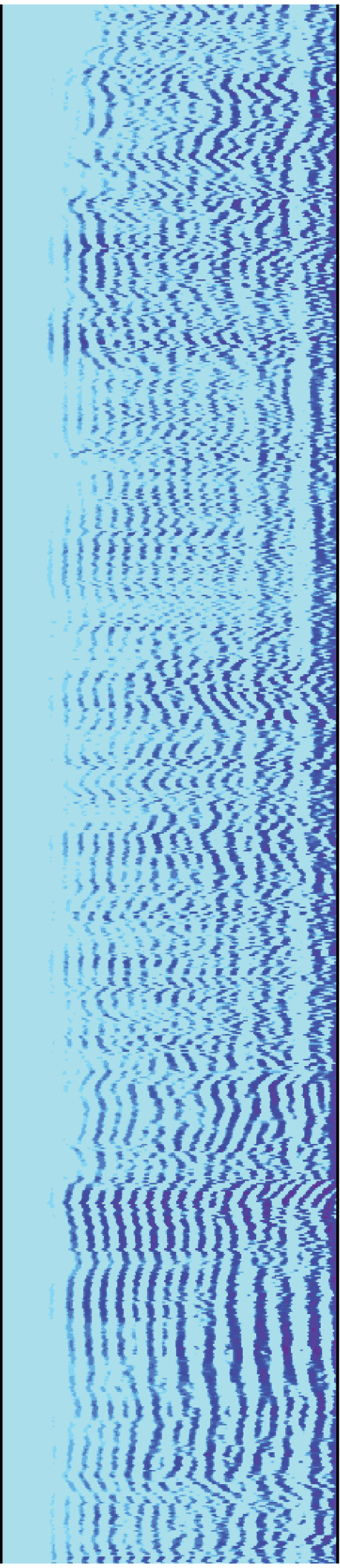


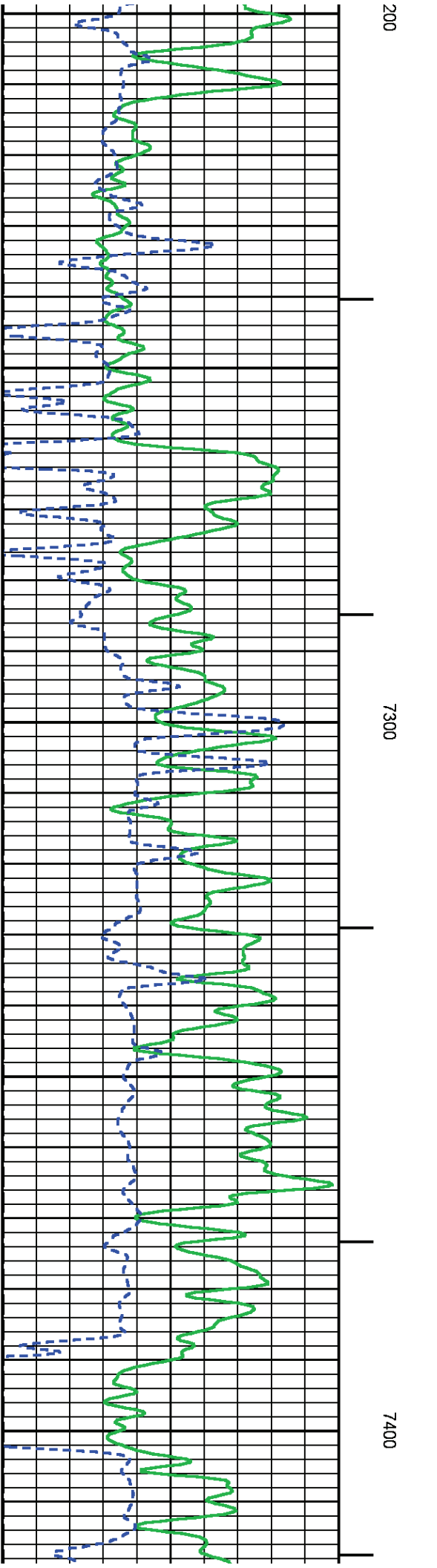
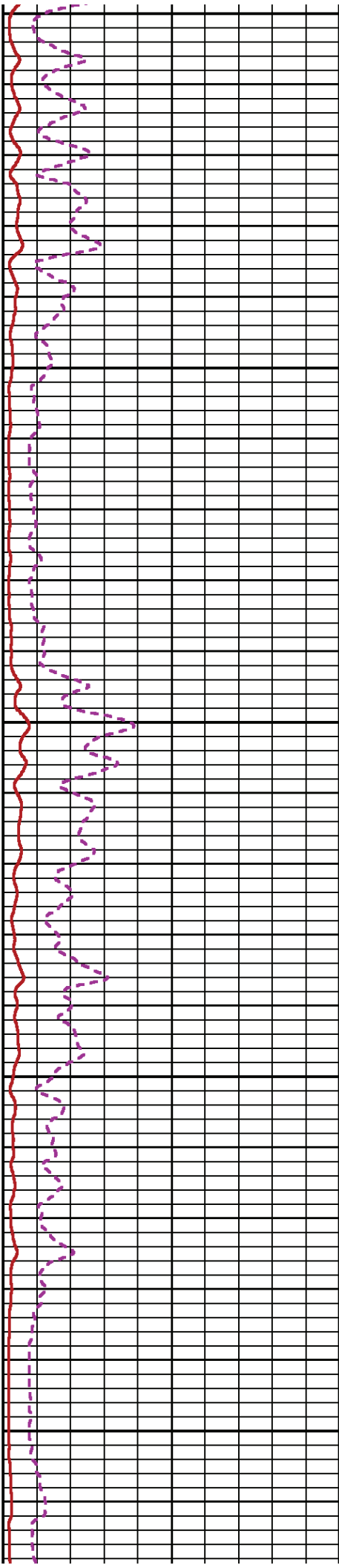
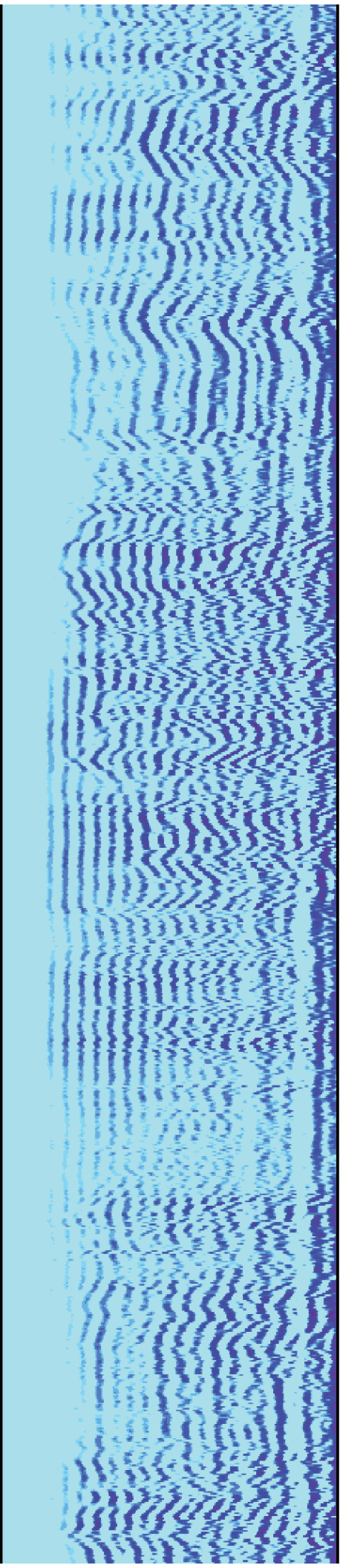


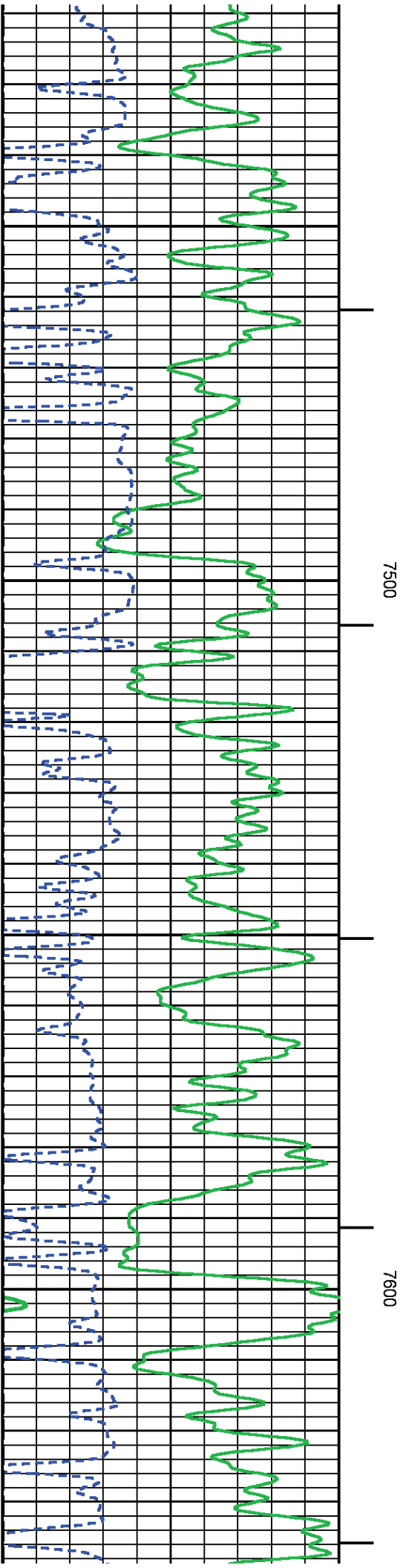
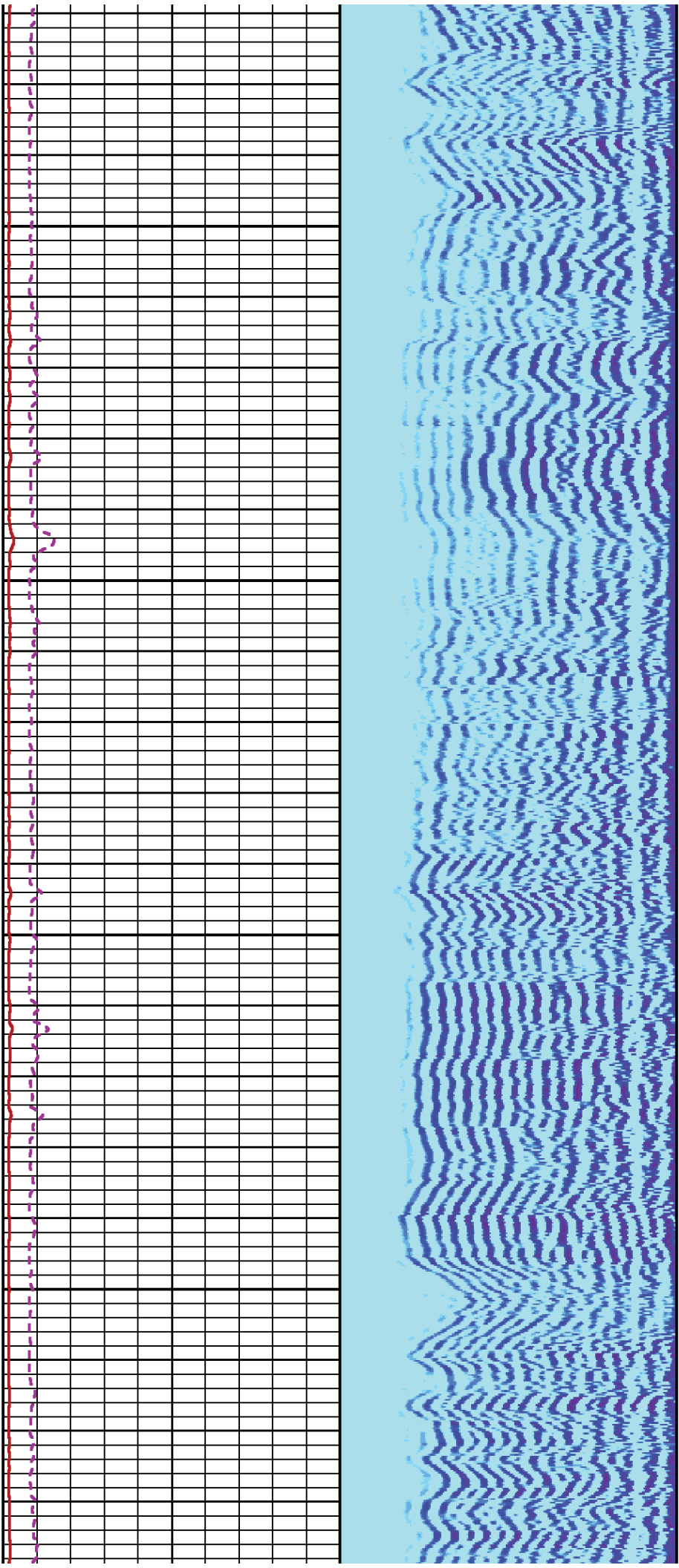


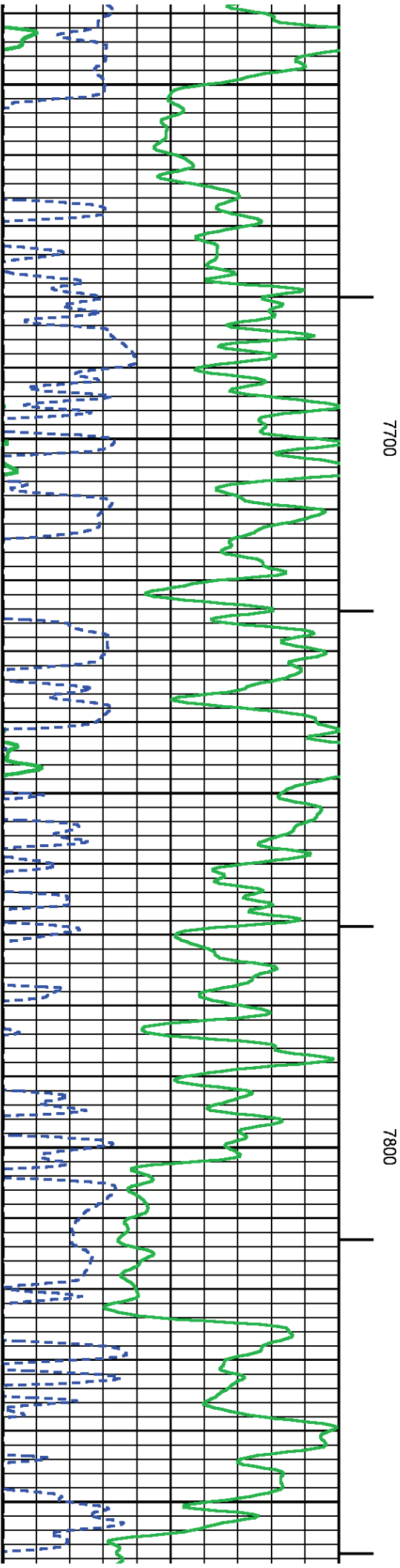
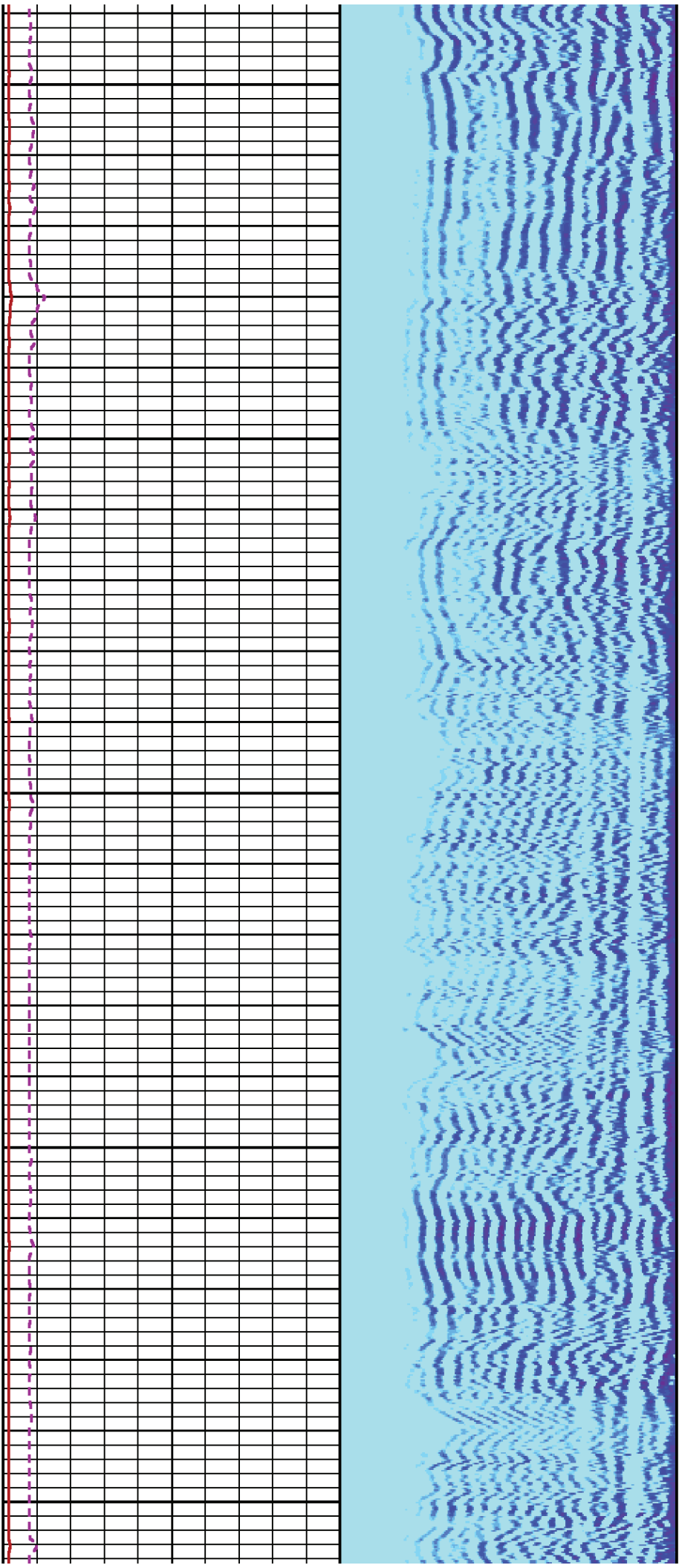


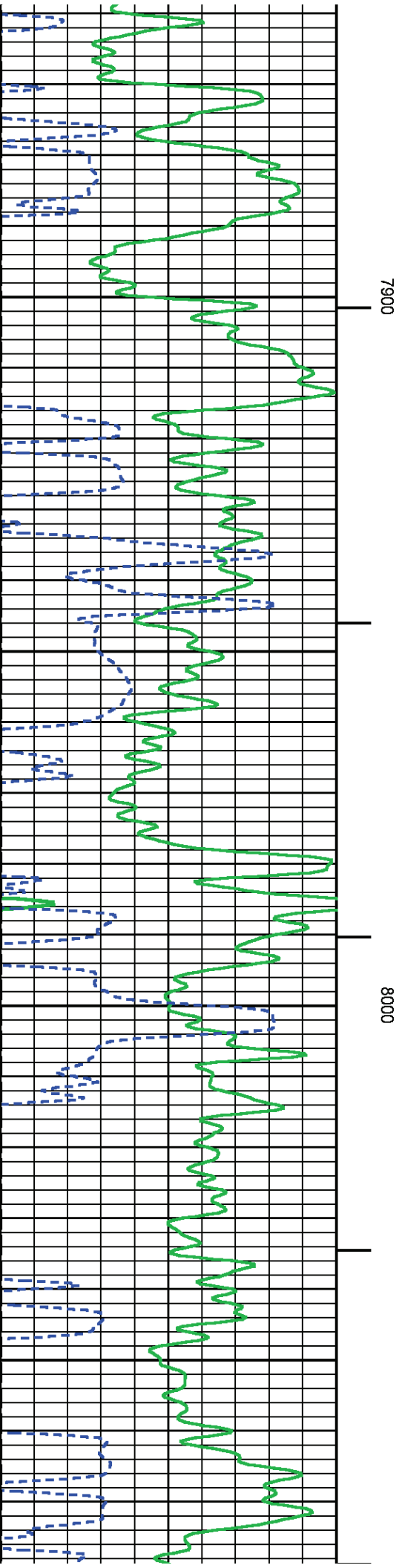
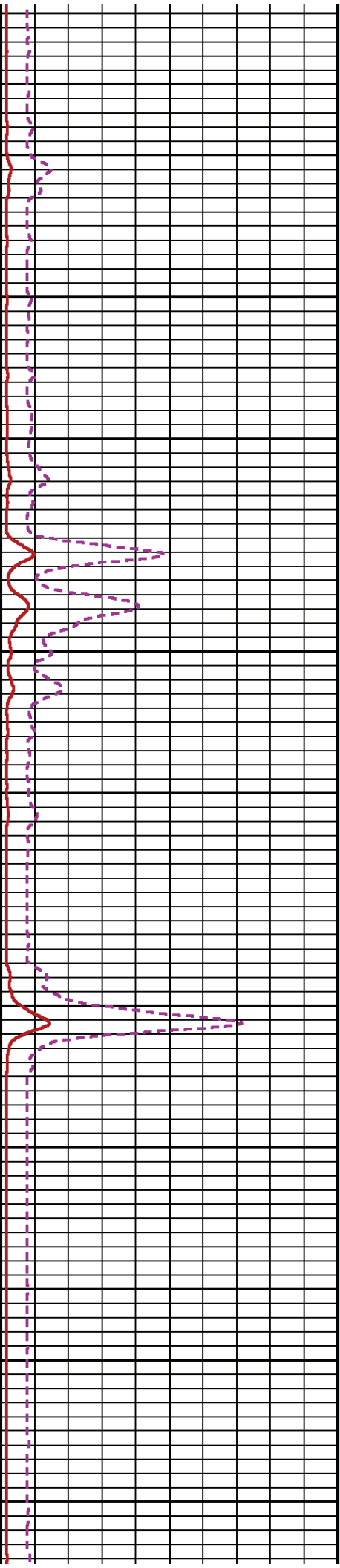
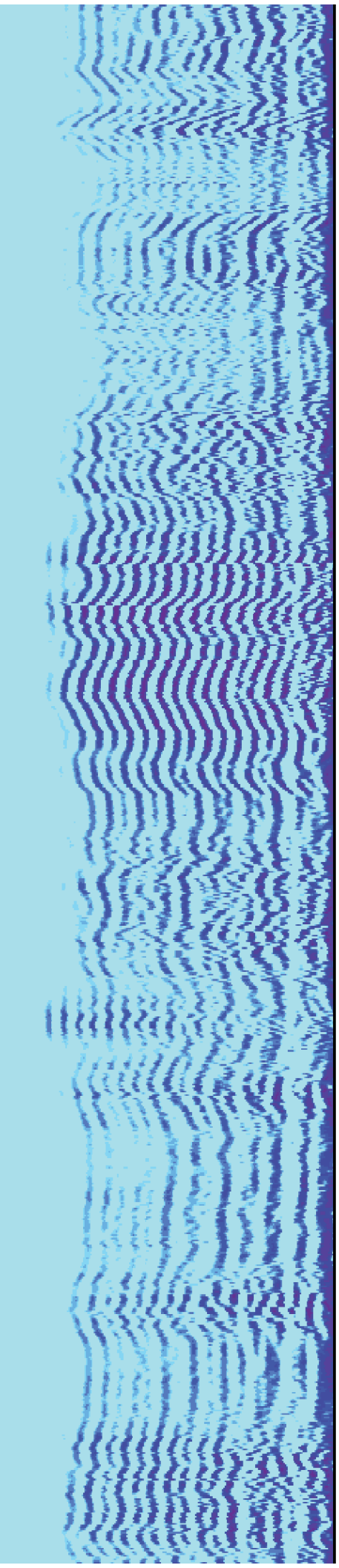


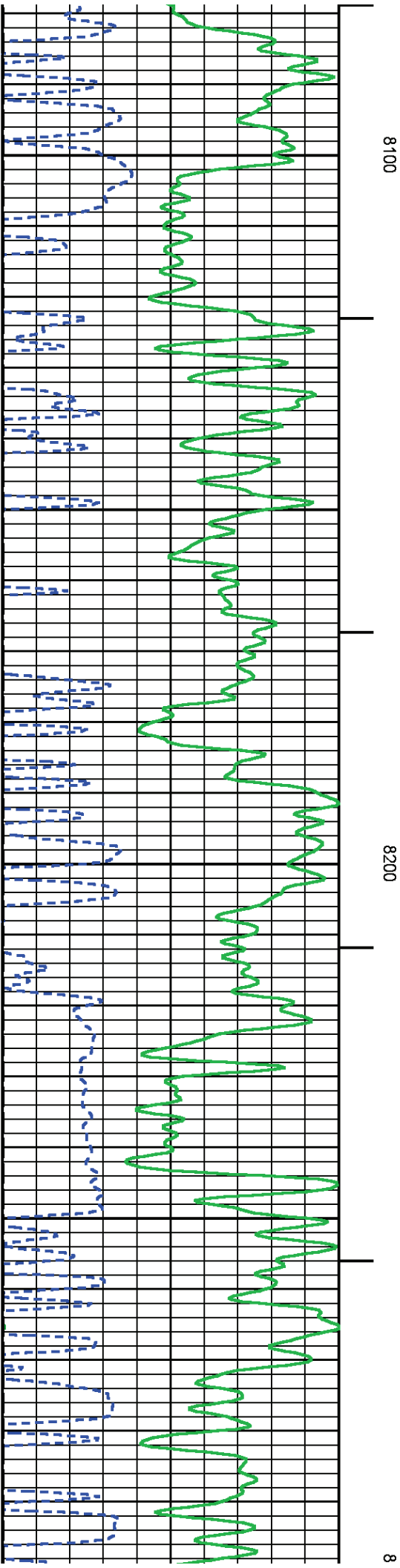
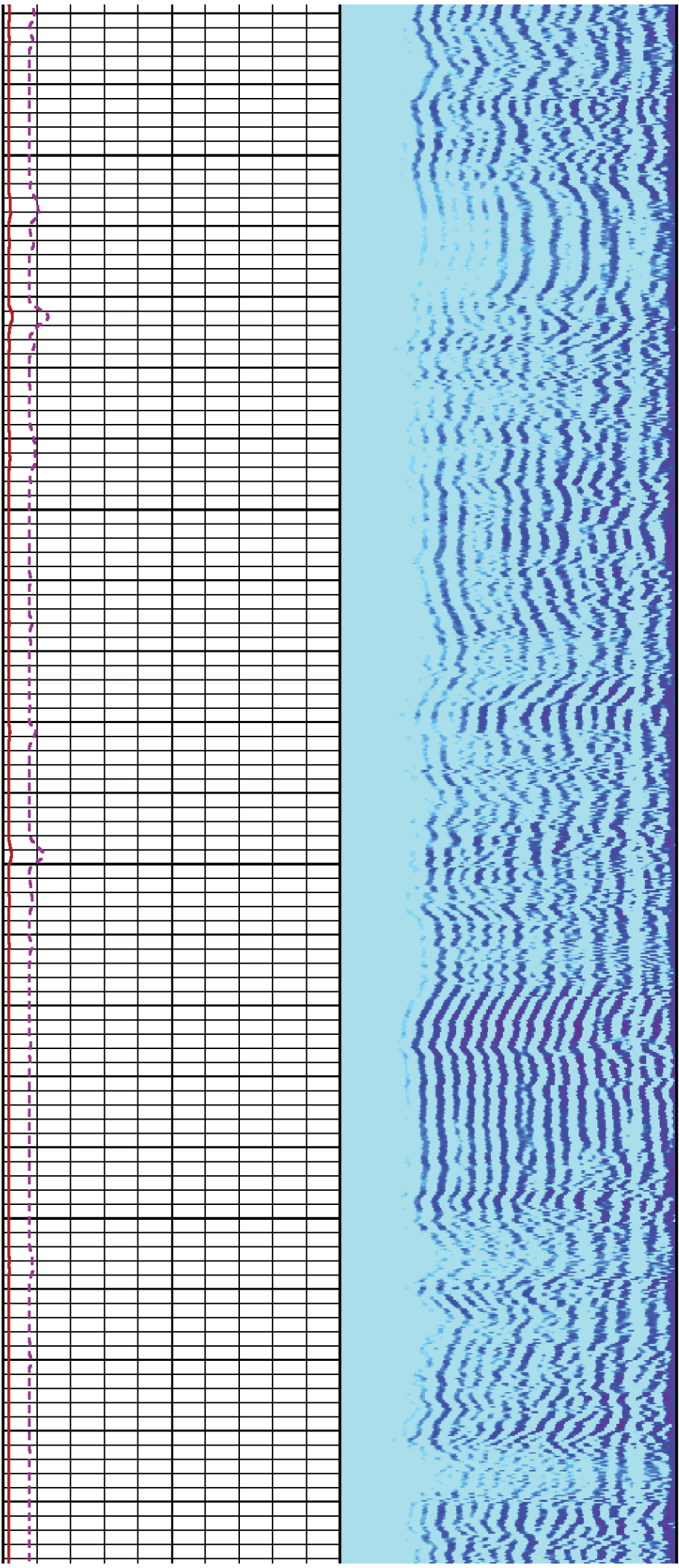


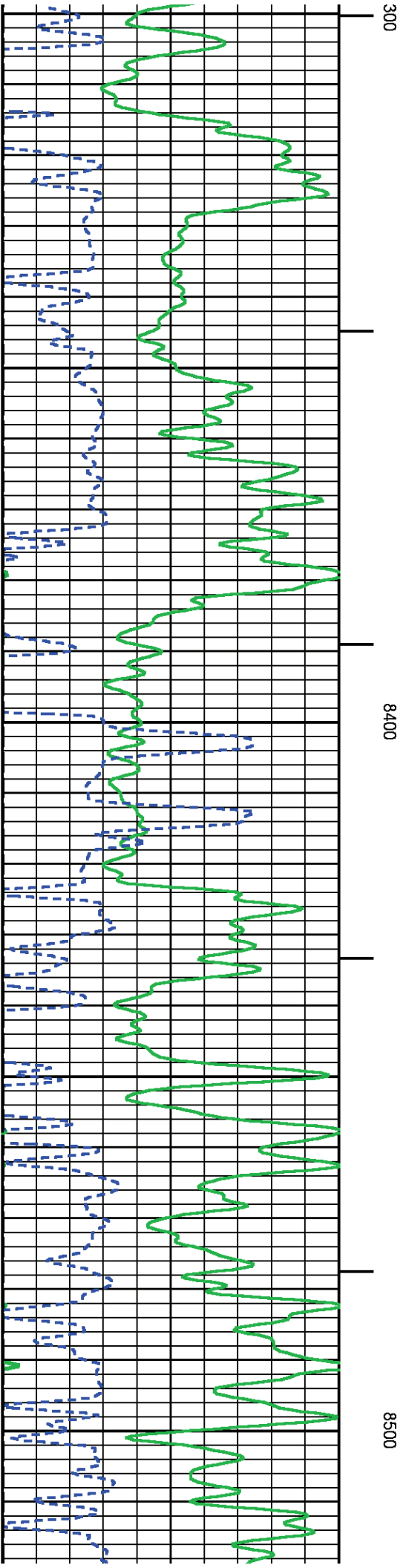
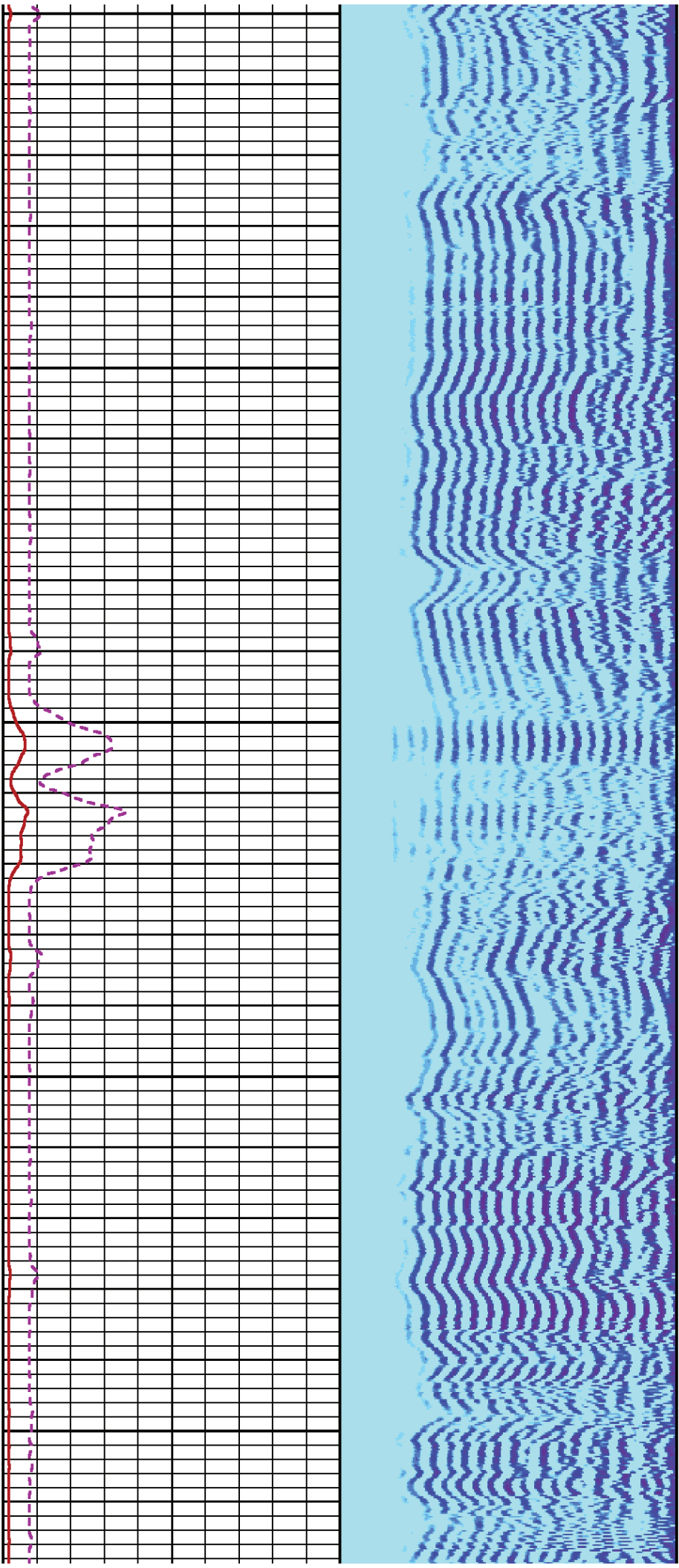


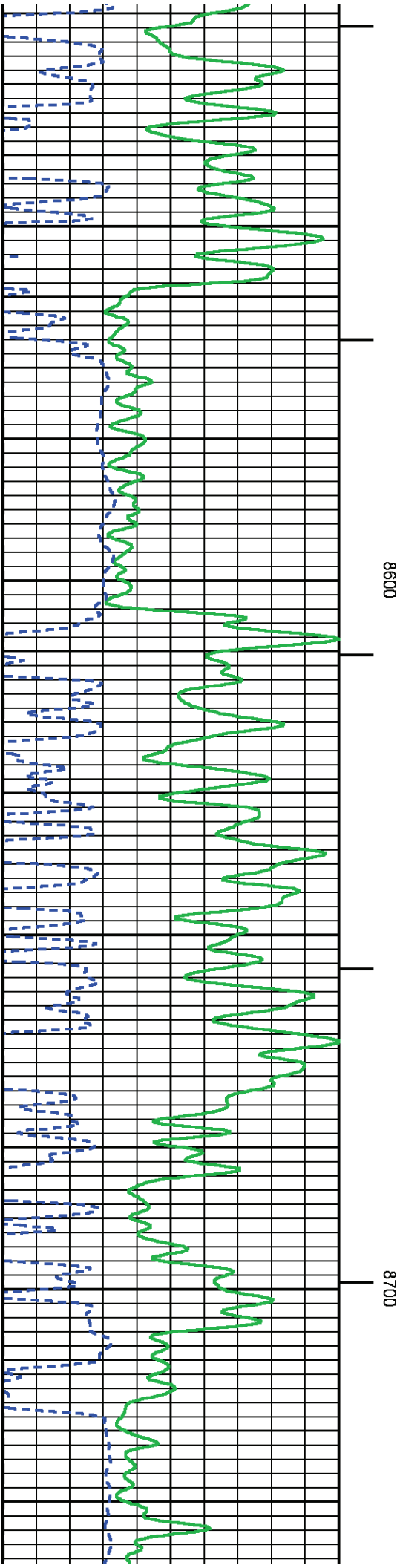
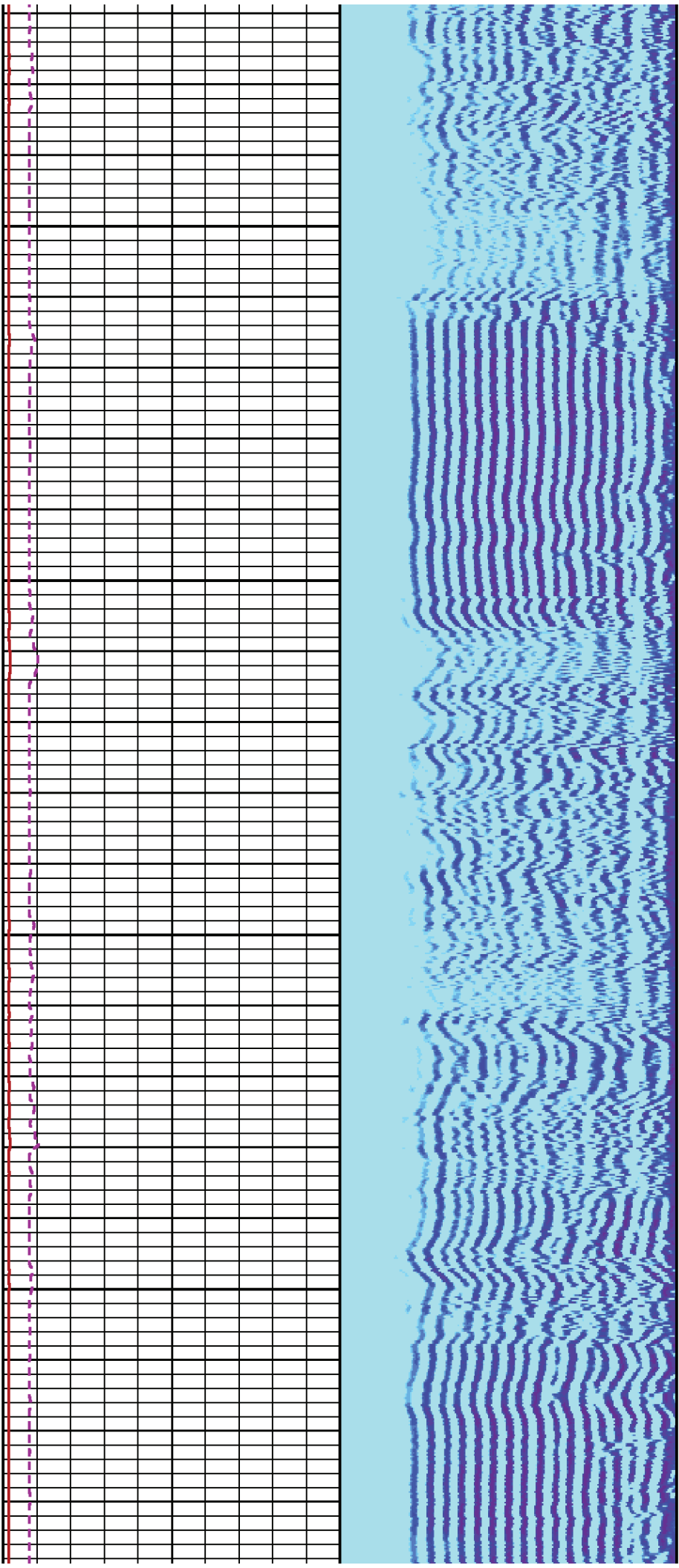


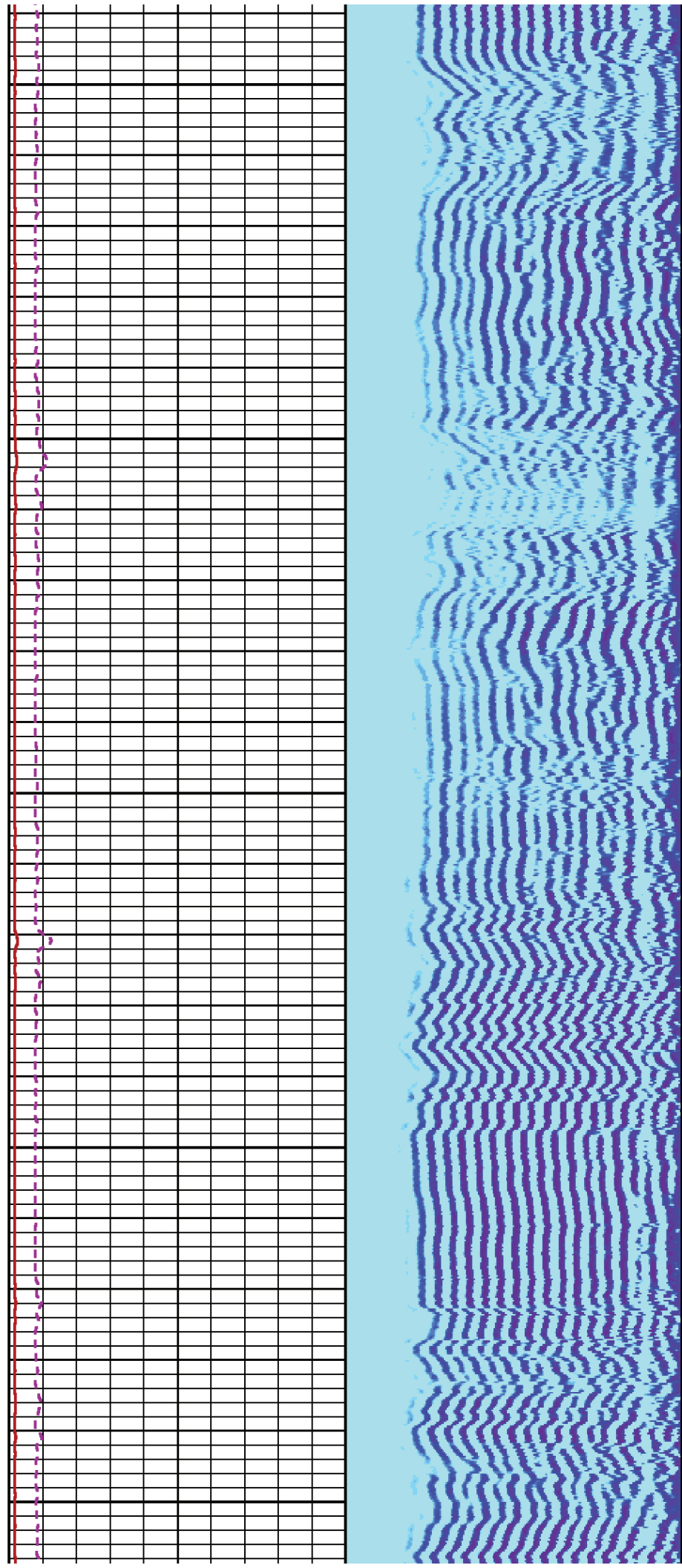
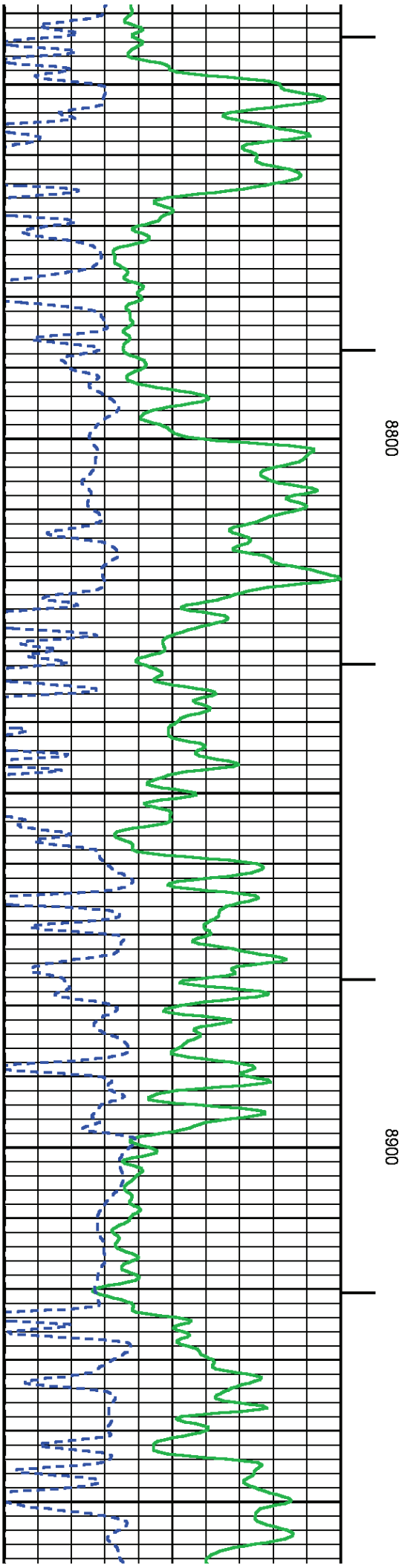


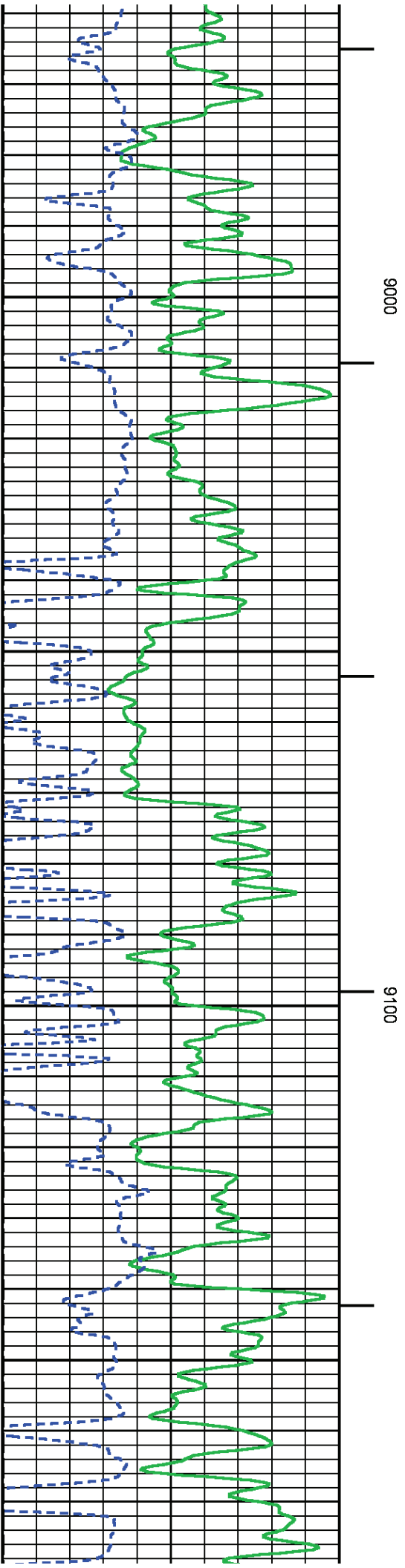
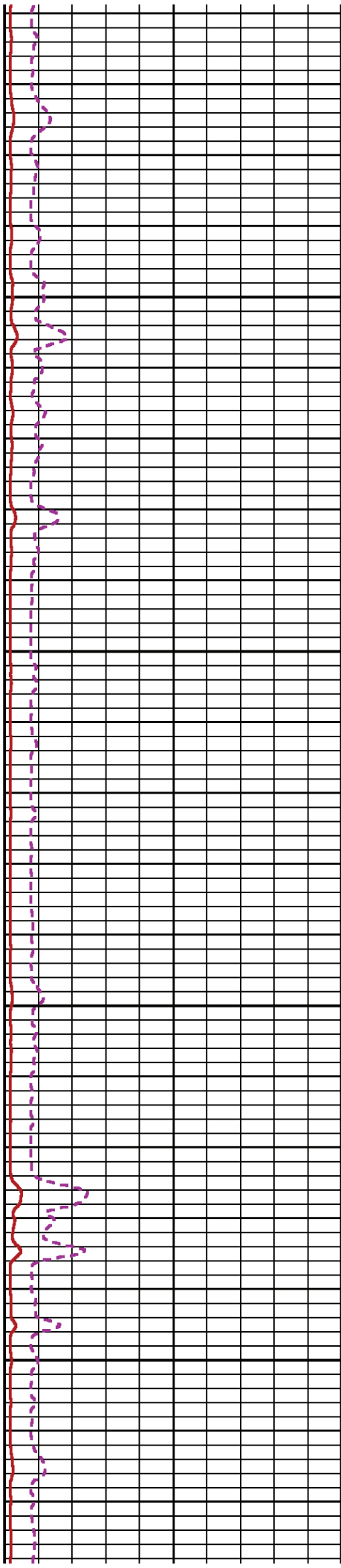
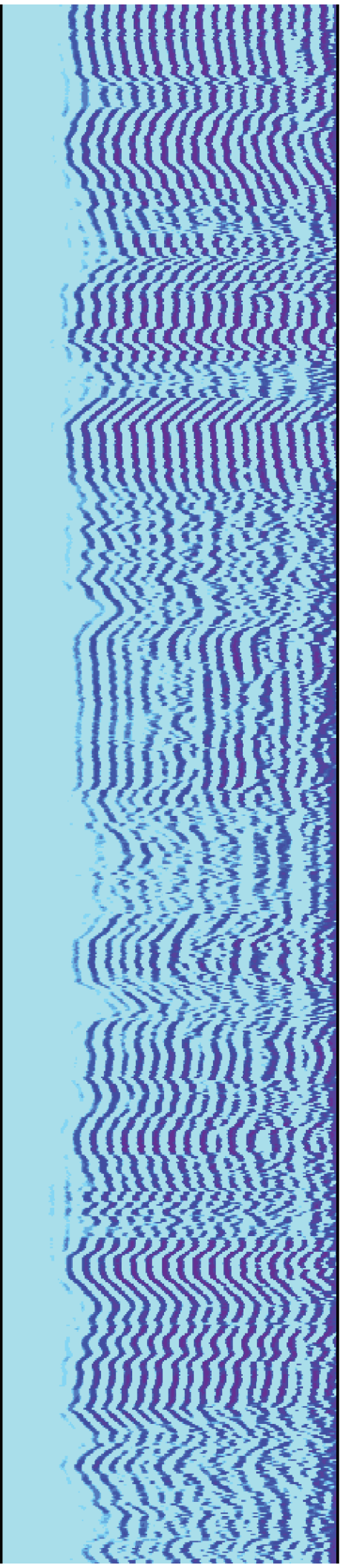


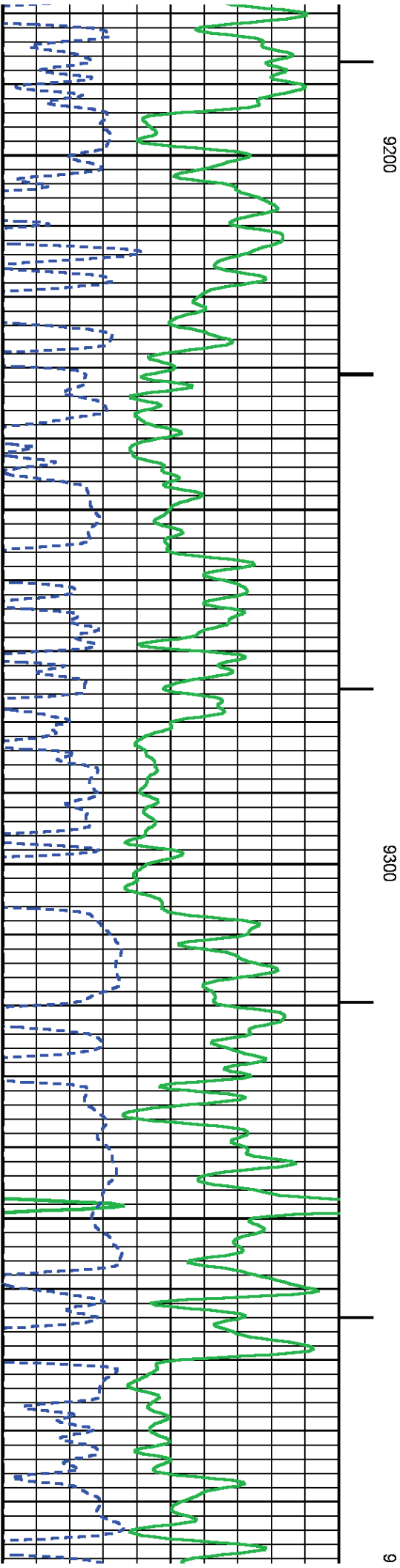
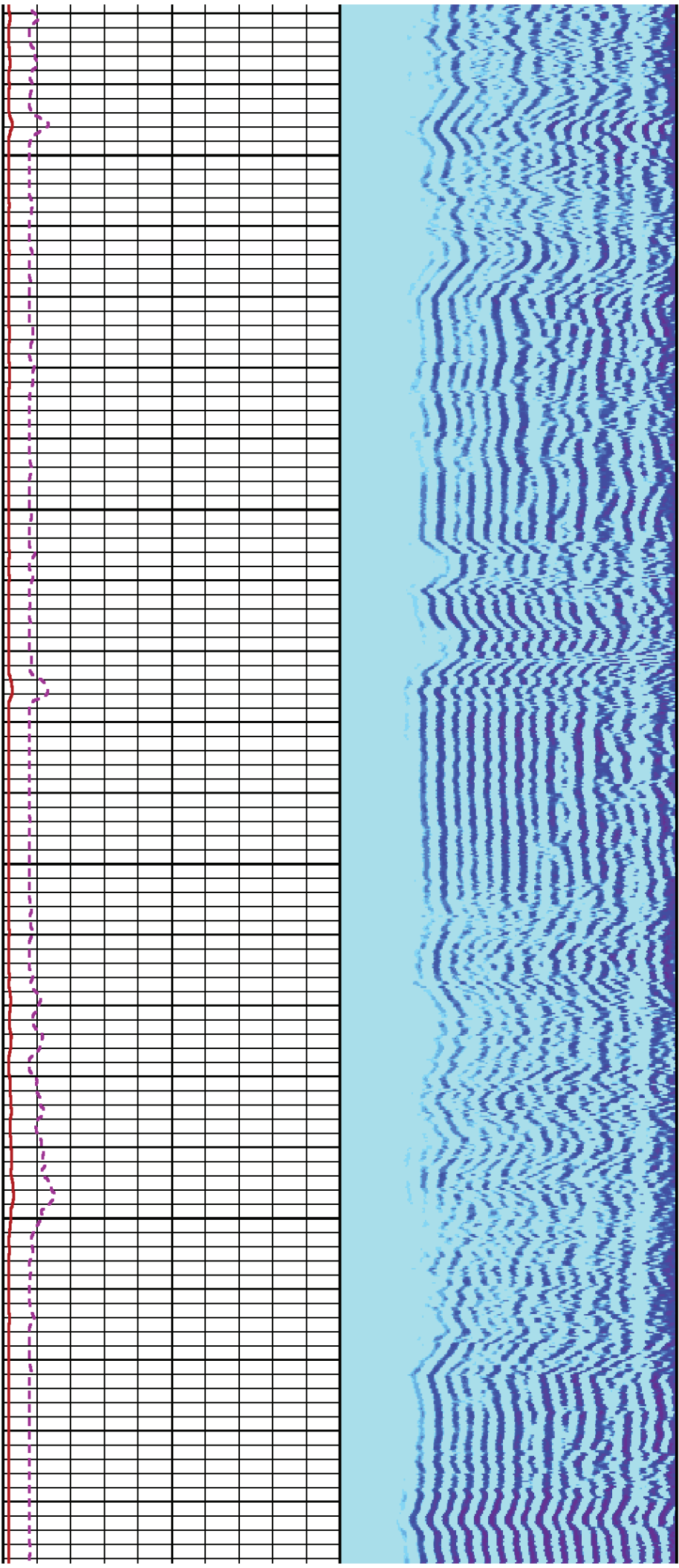


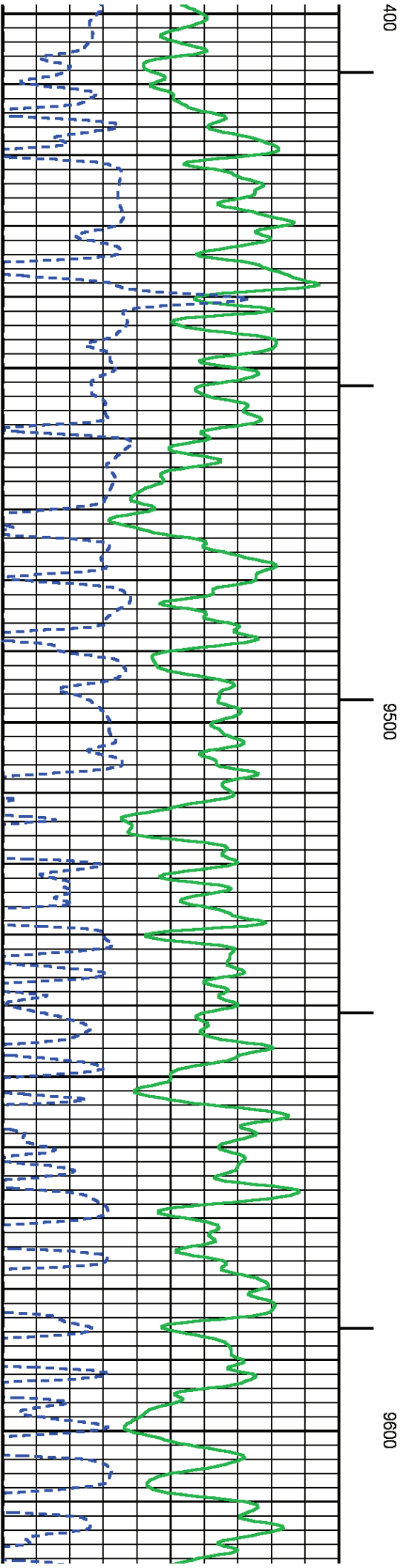
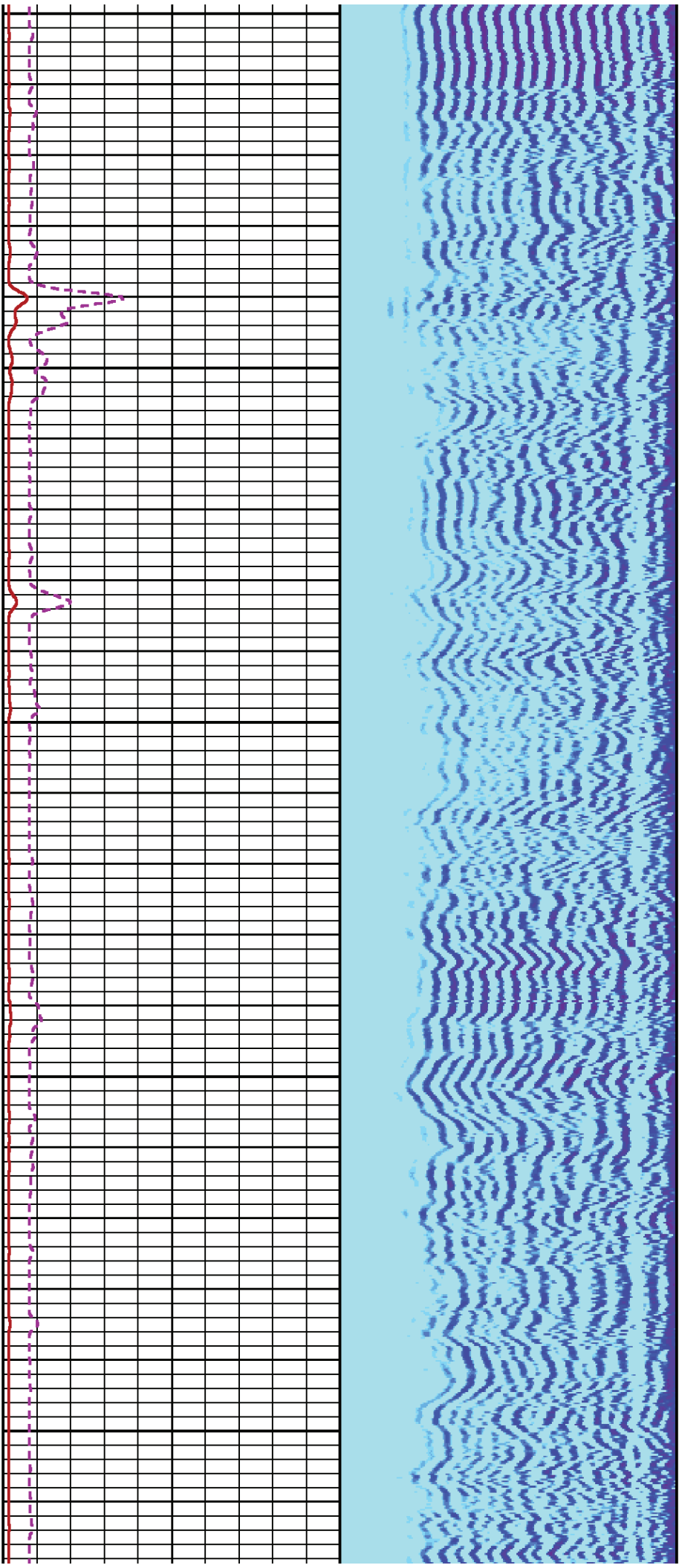


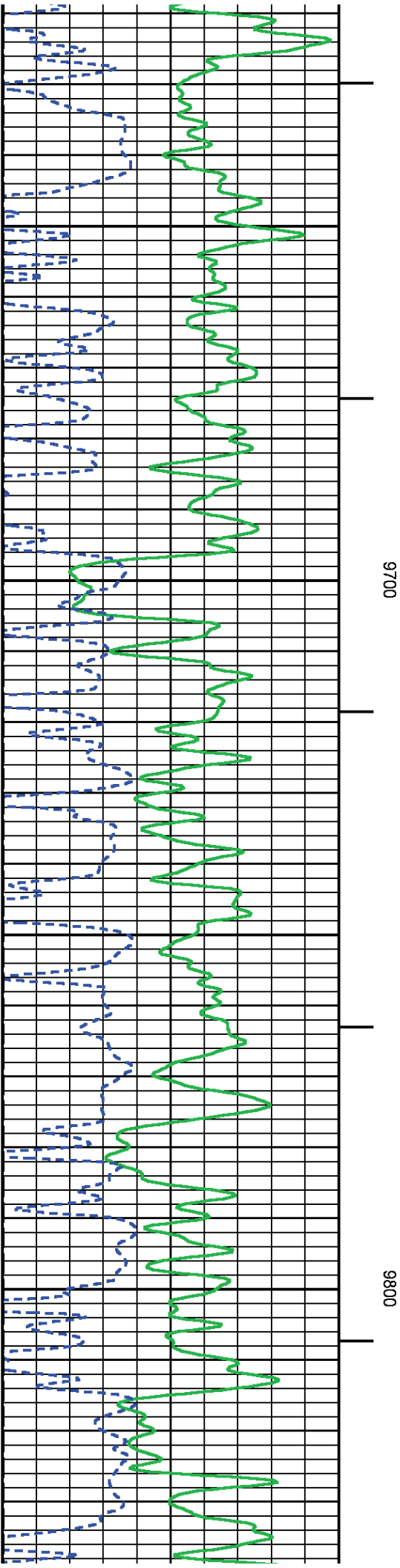
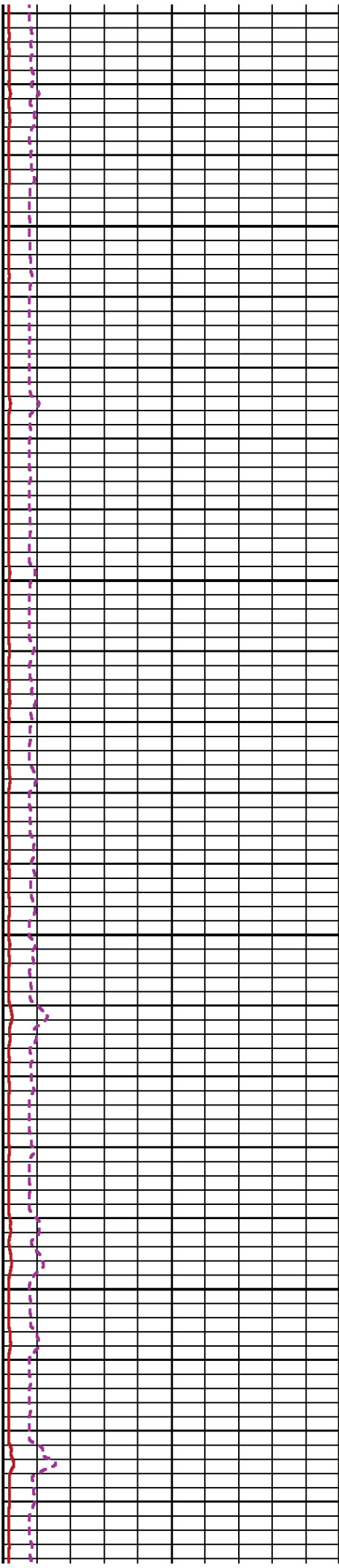
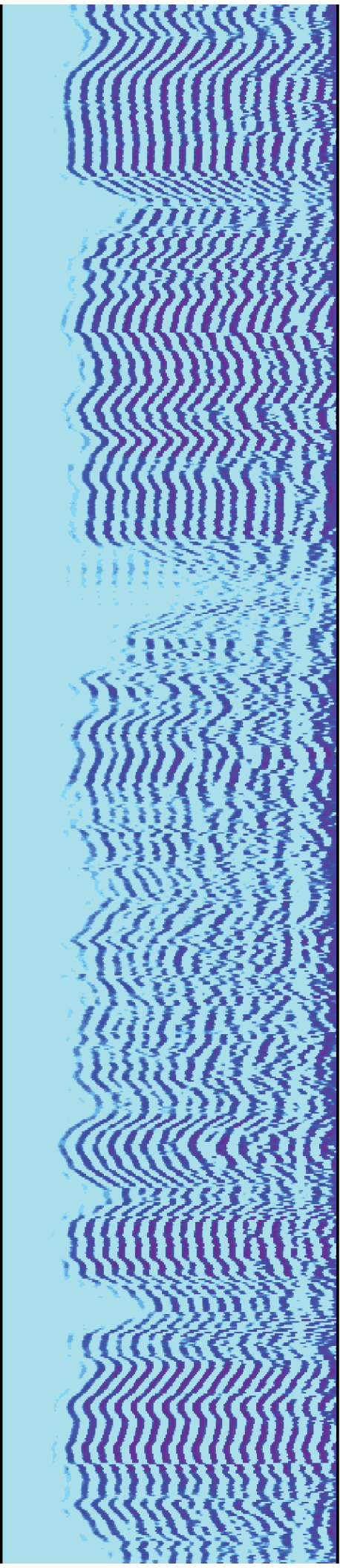


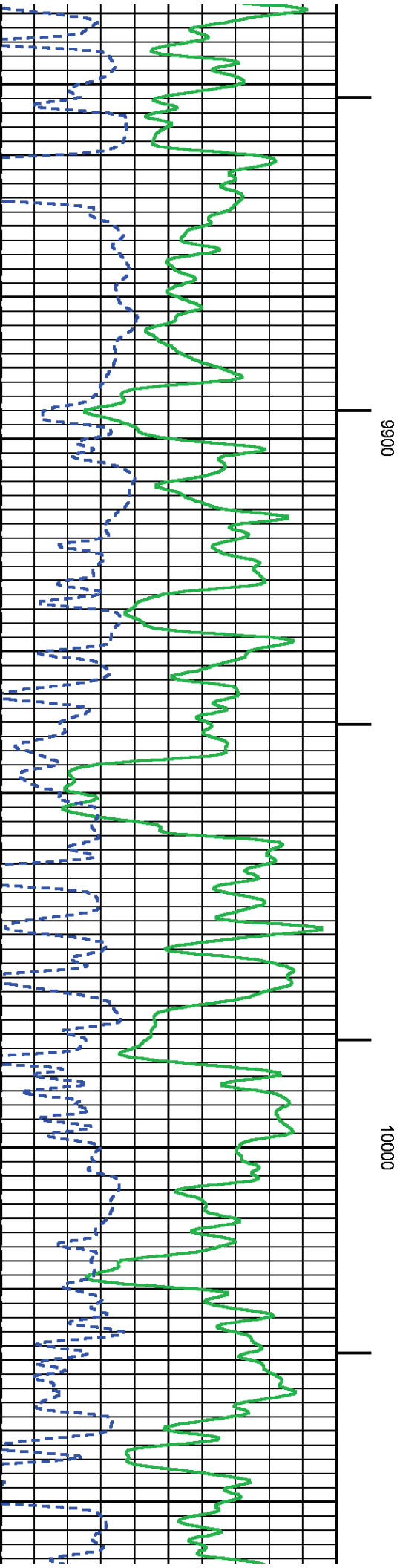
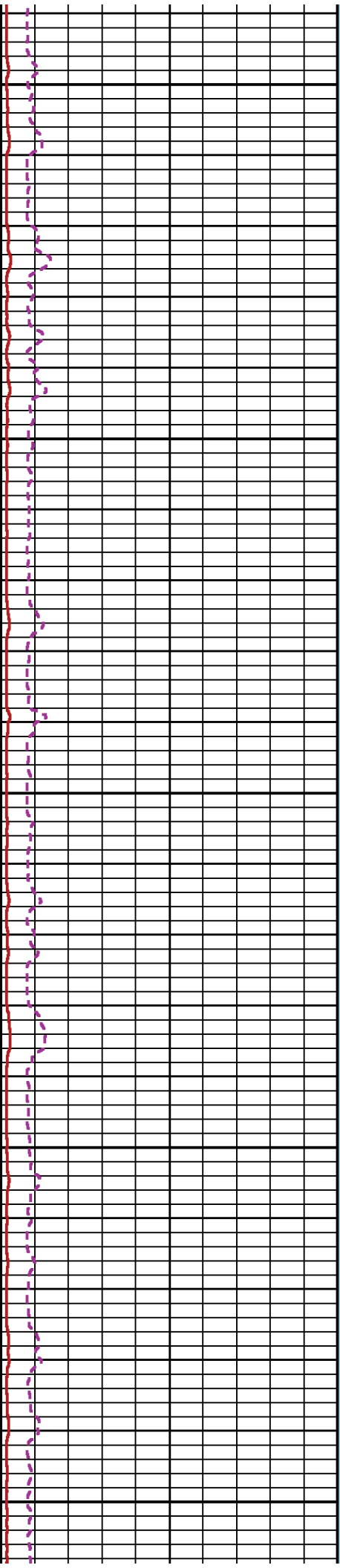
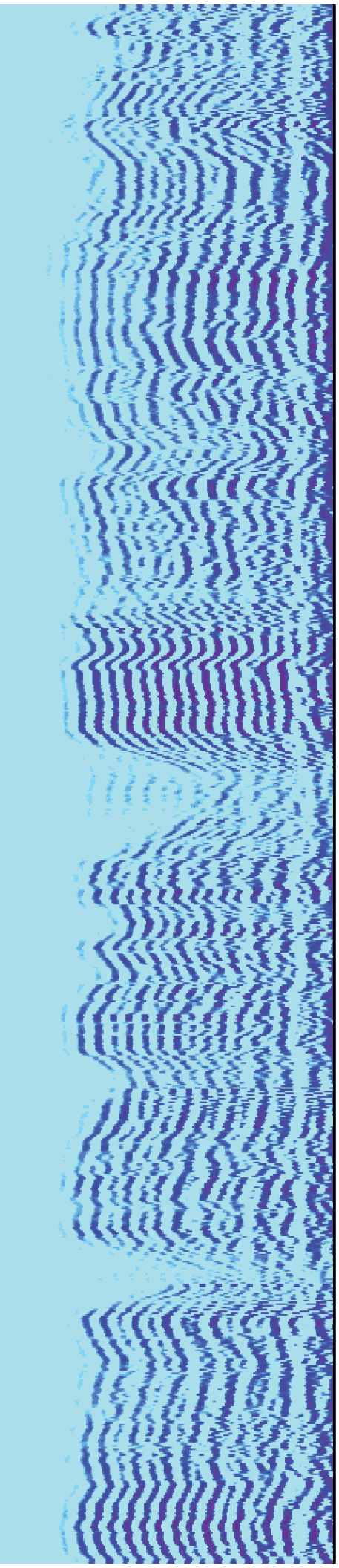


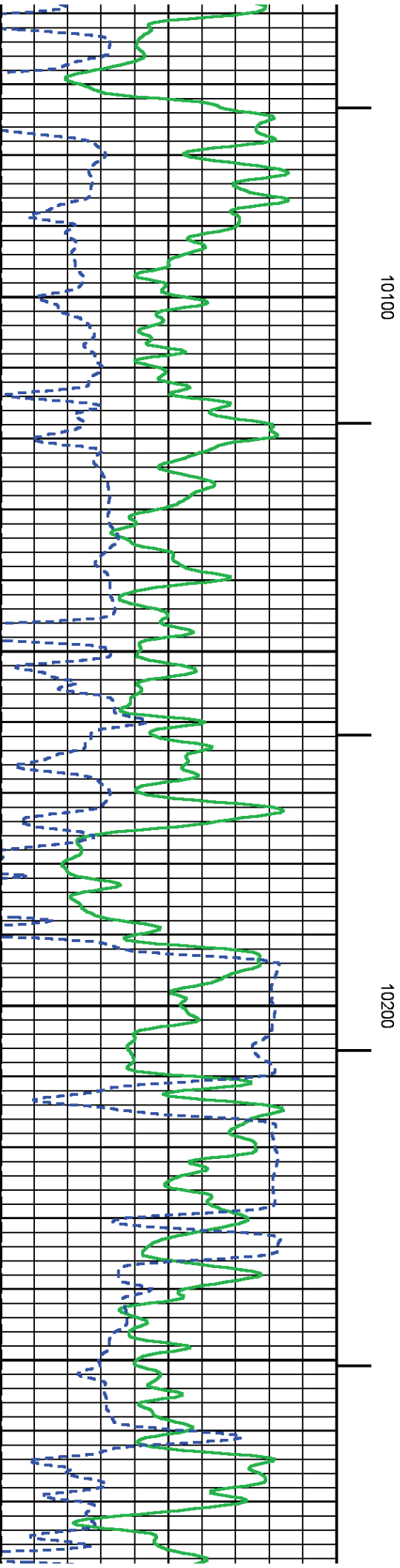
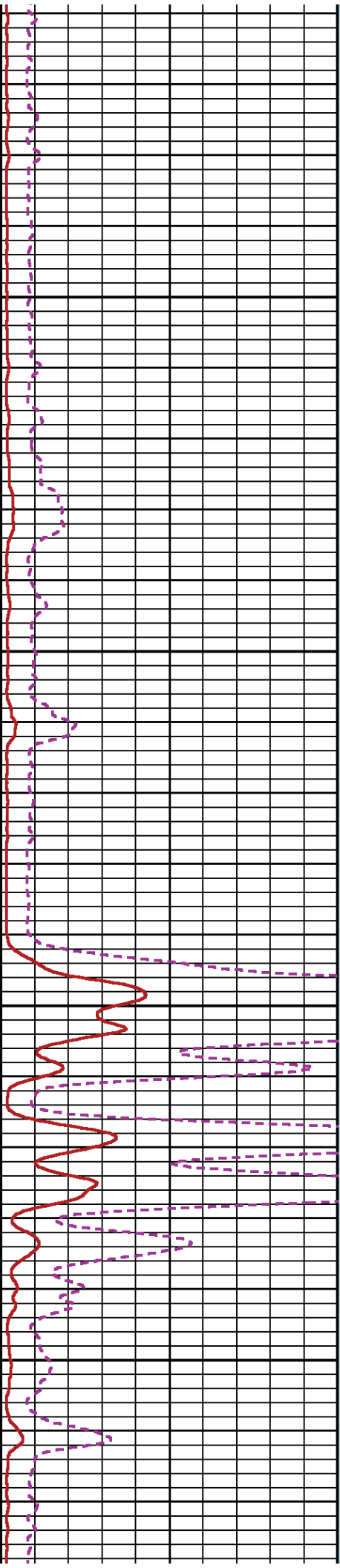
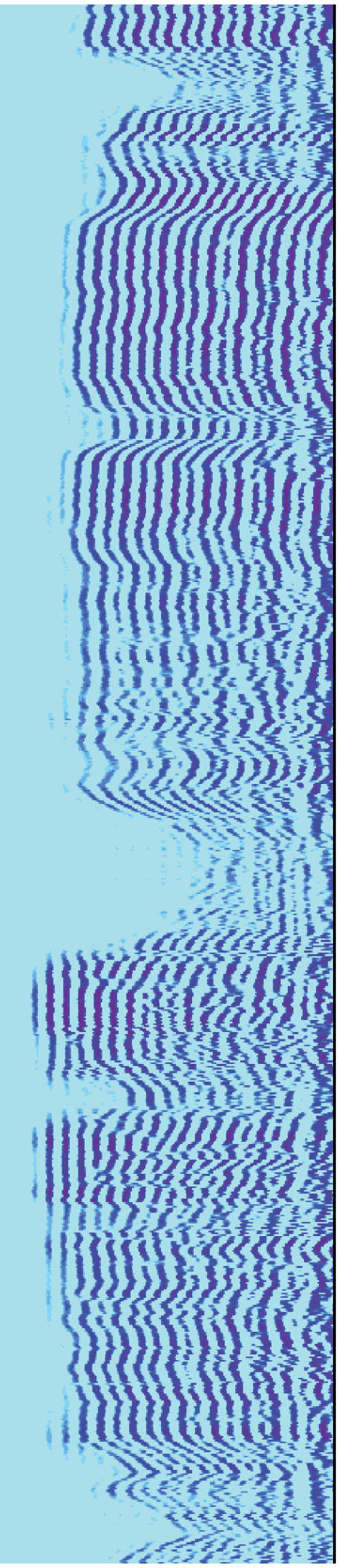


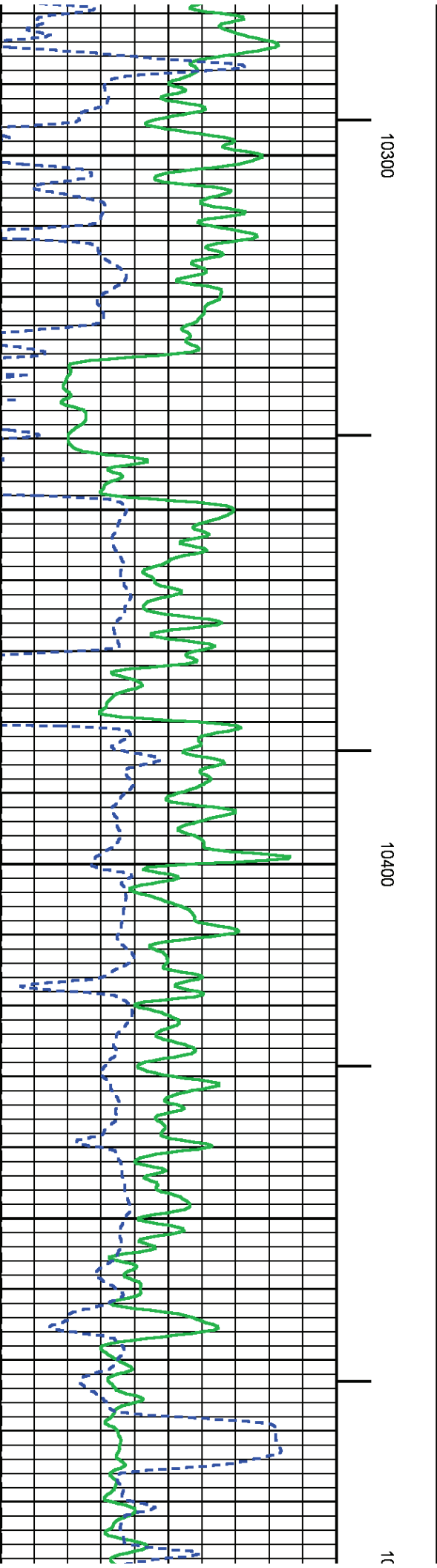
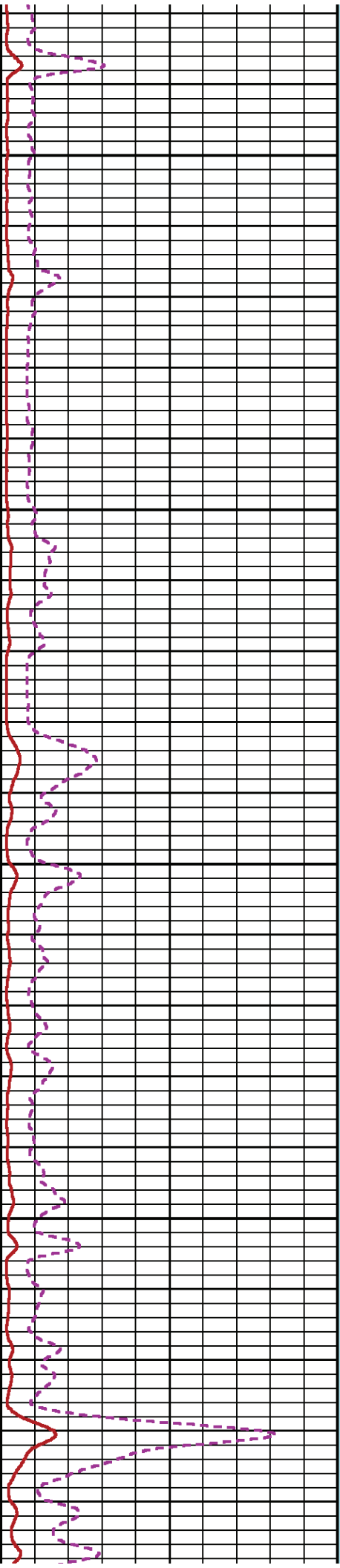
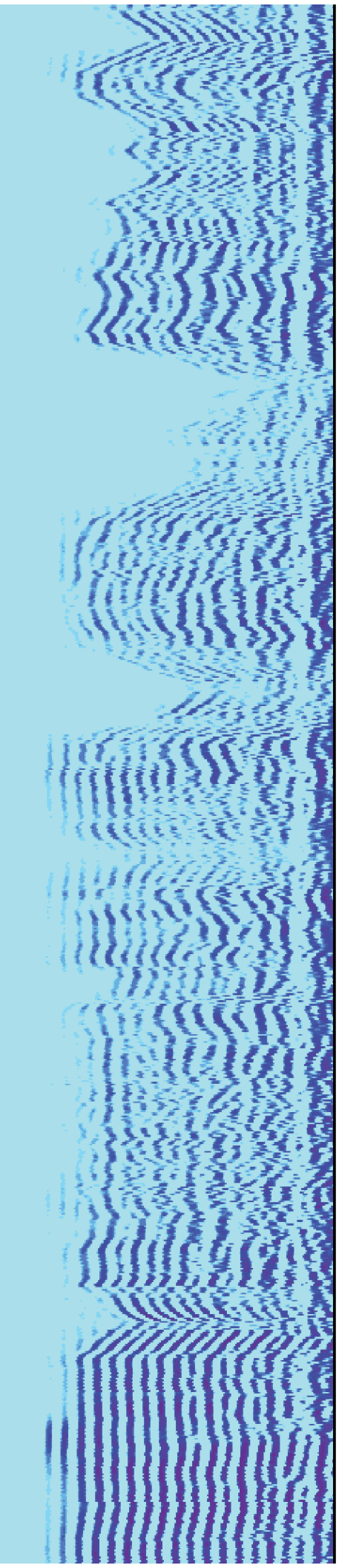


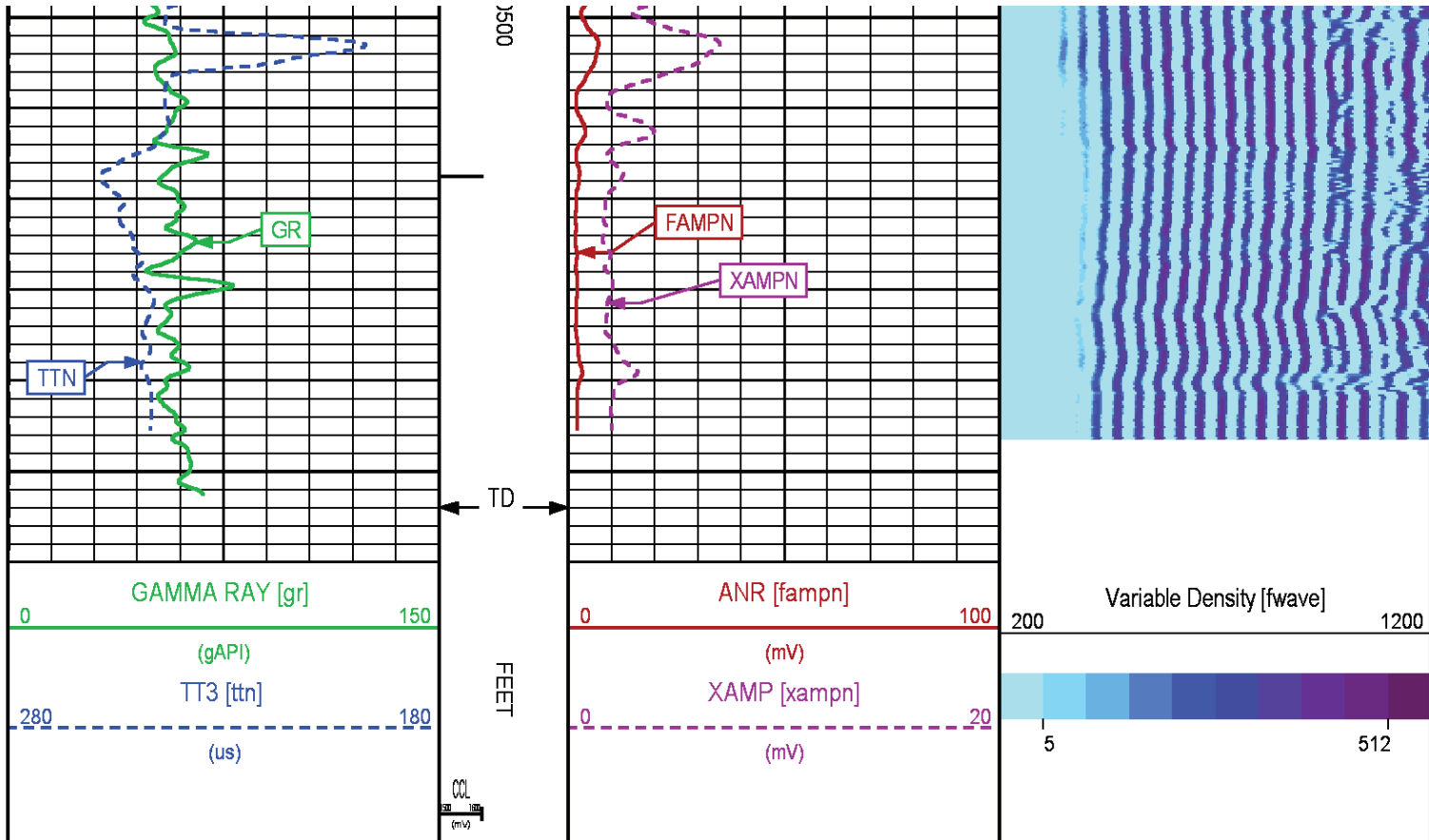












SECONDARY PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 2

Plotted: Sun Aug 31 11:57:24 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH089277/n012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 22.250 ft BOTTOM DEPTH: 10554.500 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	"	"