



FILE NO: US093867	COMPANY WPX ENERGY ROCKY MTN LLC
API NO: 0504522400000	WELL FEDERAL PA 332-27
	FIELD PARACHUTE
	COUNTY GARFIELD
	STATE CO
Ver. 3.87 S27 T6S R95W PAD: DOE 2-W-27 RIG: NABORS 576	LOCATION: SHL: 2360' FNL: 648' FEL BHL: 2170' FNL: 1594' FEL SEC 27 TWP 6S RGE 95W
PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	OTHER SERVICES RPM ELEVATIONS: KB 5882 FT DF GL 5856 FT

DATE		09-Jan-2015			
RUN	TRIP	1	1		
SERVICE ORDER		CH093867			
DEPTH DRILLER		8488 FT			
DEPTH LOGGER		8418 FT			
BOTTOM LOGGED INTERVAL		8408 FT			
TOP LOGGED INTERVAL		26 FT			
TIME STARTED		07:30			
TIME FINISHED		11:30			
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/MIN			
MAX. RECORDED TEMP.		220 DEGF			
REFERENCE LOG		NA			
REFERENCE LOG DATE		NA			
EQUIP. NO.	LOCATION	6670	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	2777 FT
8.75 IN	2777 FT	8488 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN	36 LB/F		0 FT	2777 FT
4.5 IN	11.6 LB/F	P-110	0 FT	8488 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 -8.0 FT

Logged with zero PSI at wellhead.

BHT = 220 DEG

SJ = 4877' TO 4900'

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 15:39:02 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093867/n012e02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 40.250 ft BOTTOM DEPTH: 8434.042 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1) light (2a)		TOP 480.250	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*)	185	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	140	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

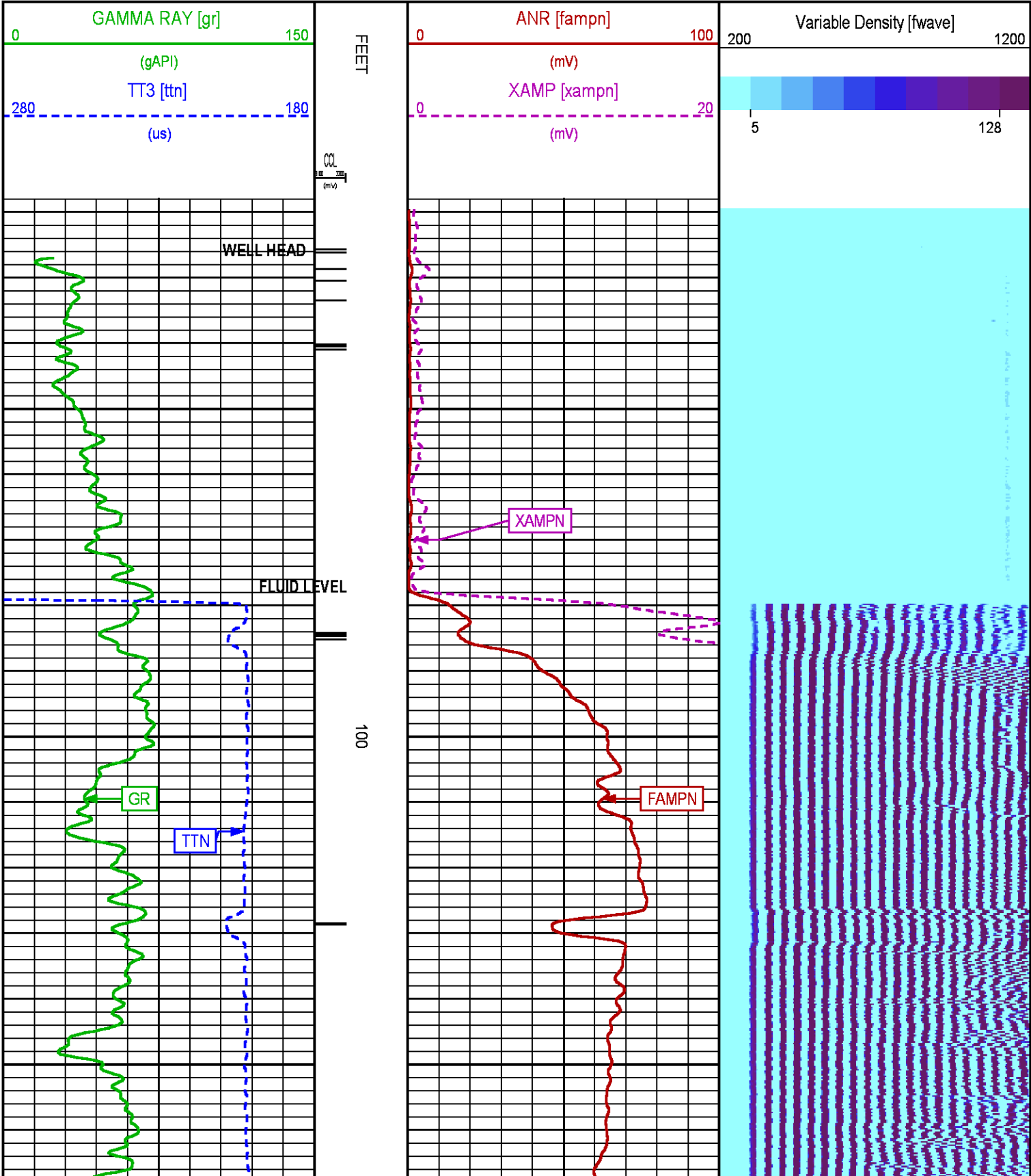
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jan 9 08:44:15 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 9 08:44:15 2015	FAR WAVE FORM
F1:GR	Jan 9 08:44:15 2015	GAMMA RAY
F1:TTN	Jan 9 08:44:15 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

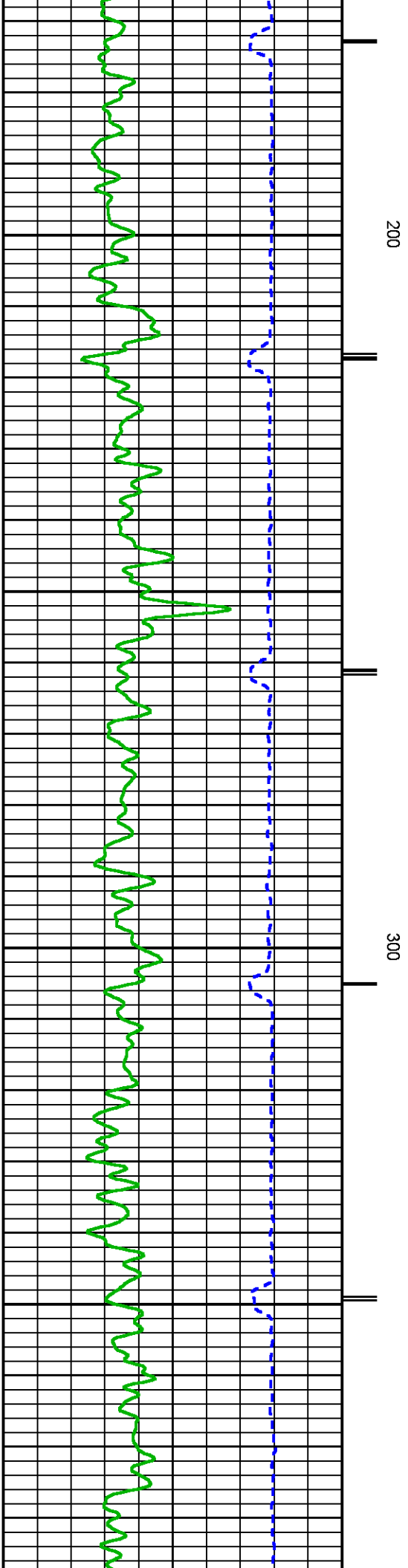
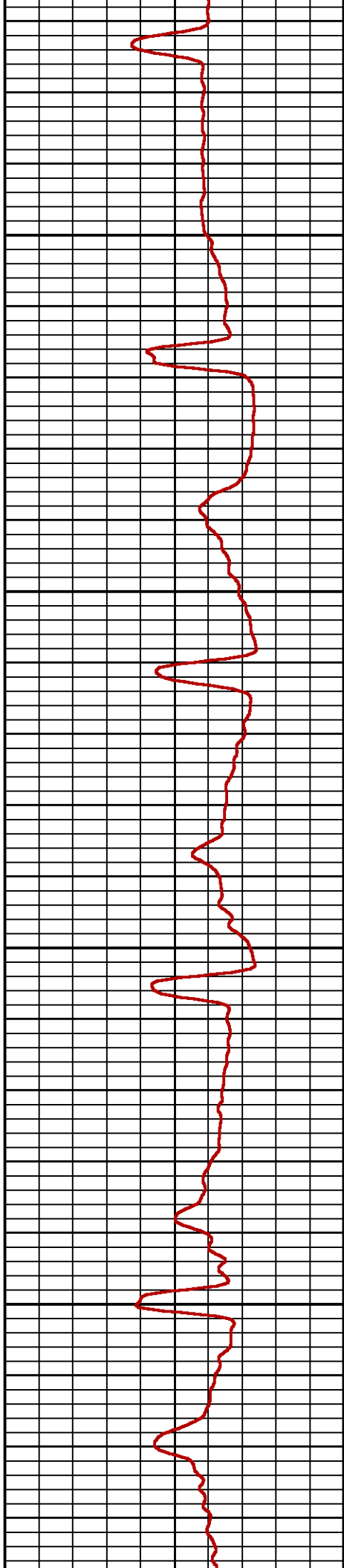
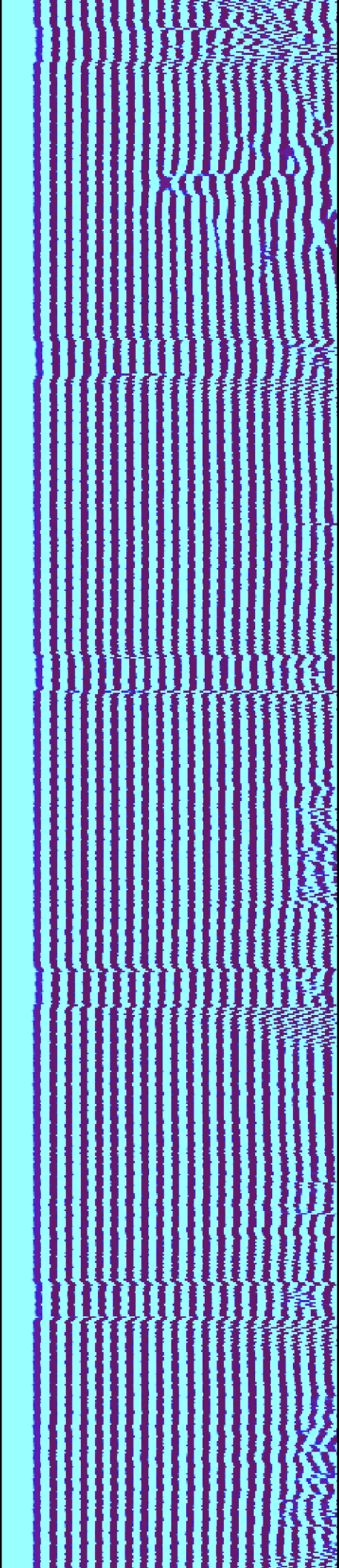
CURVE MEASURE POINT OFFSET

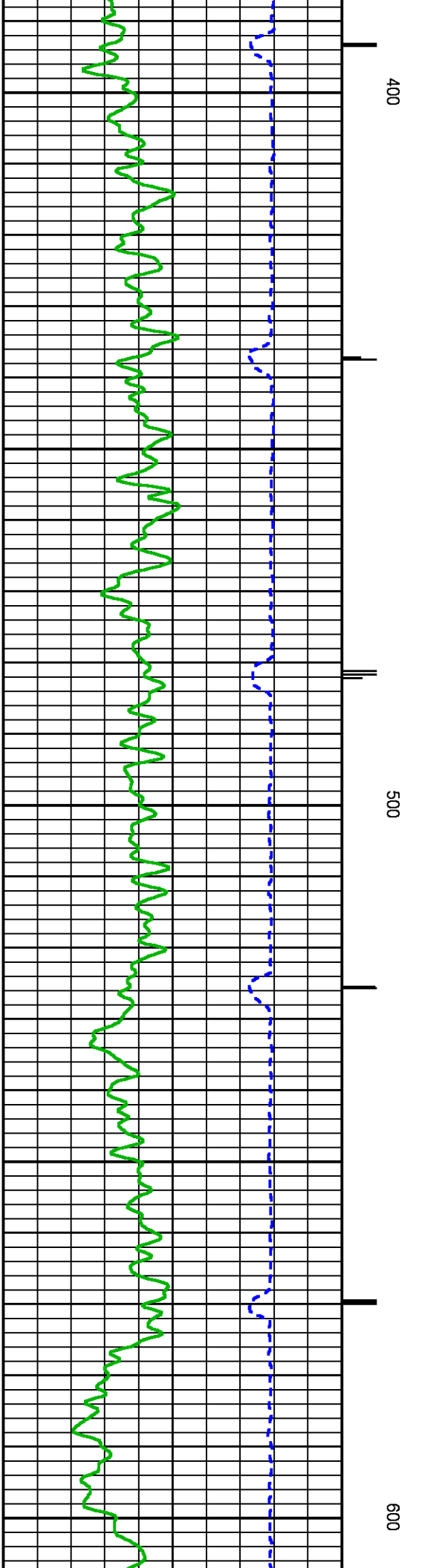
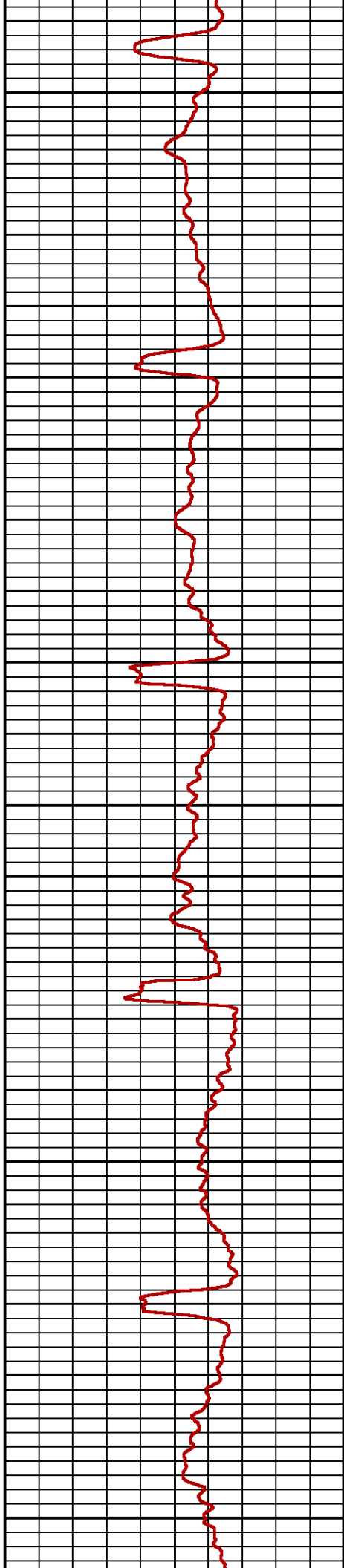
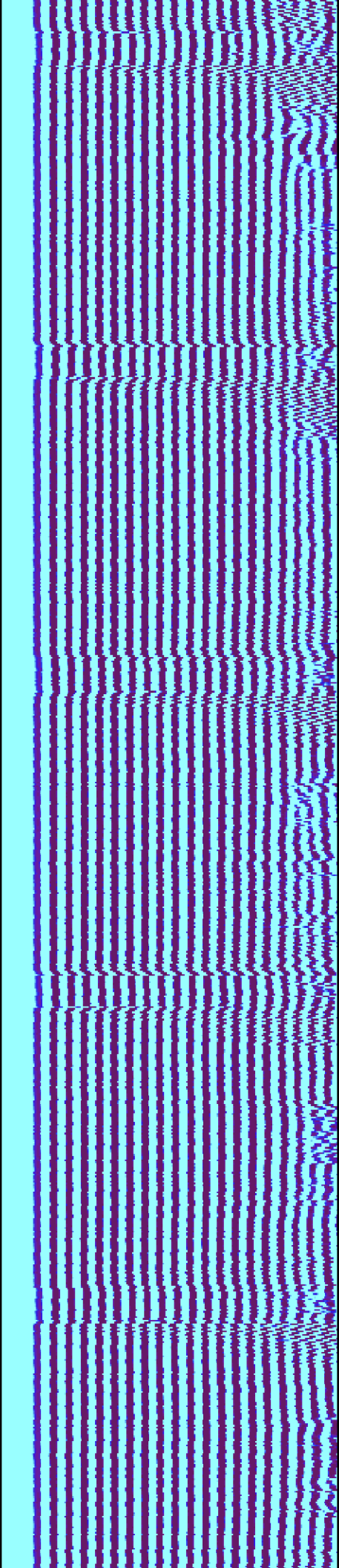
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
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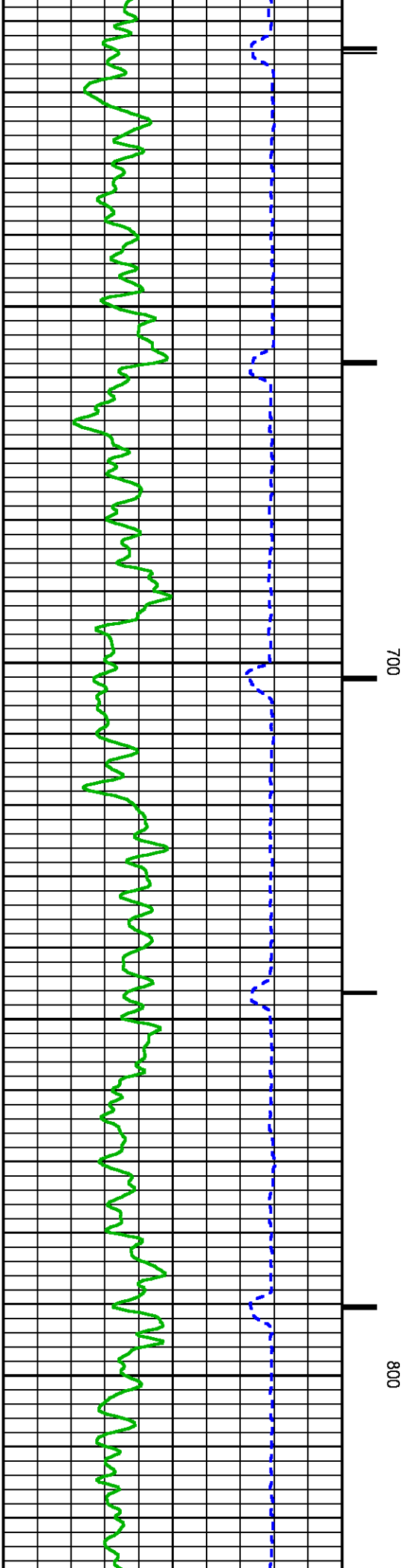
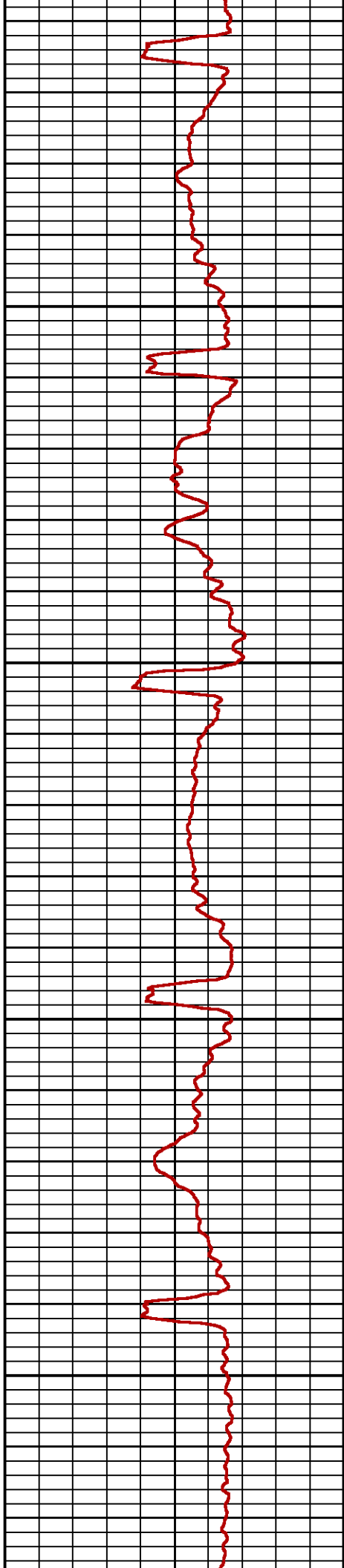
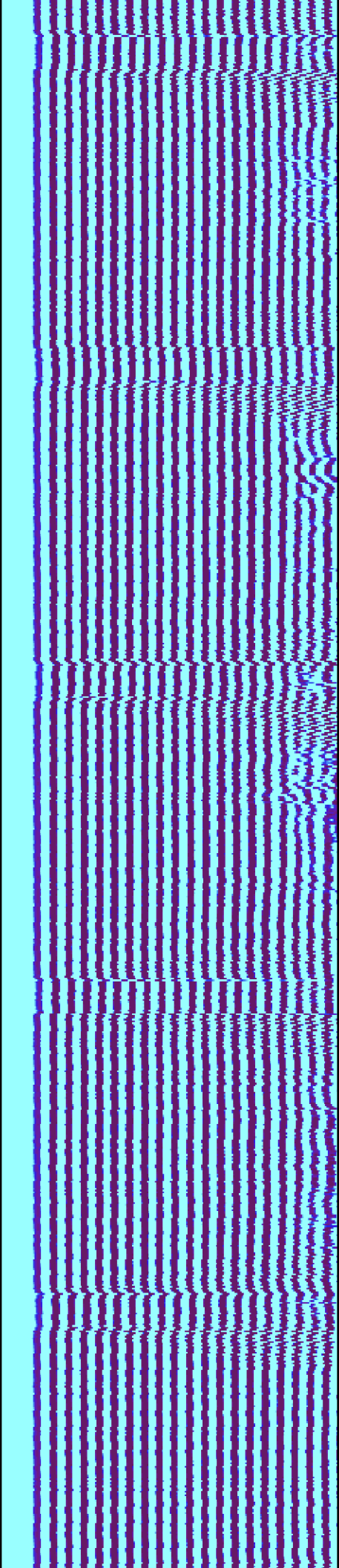
CCL	8.50	GR	6.50	XAMPN	13.75
FAMPN	13.75	TTN	13.75		

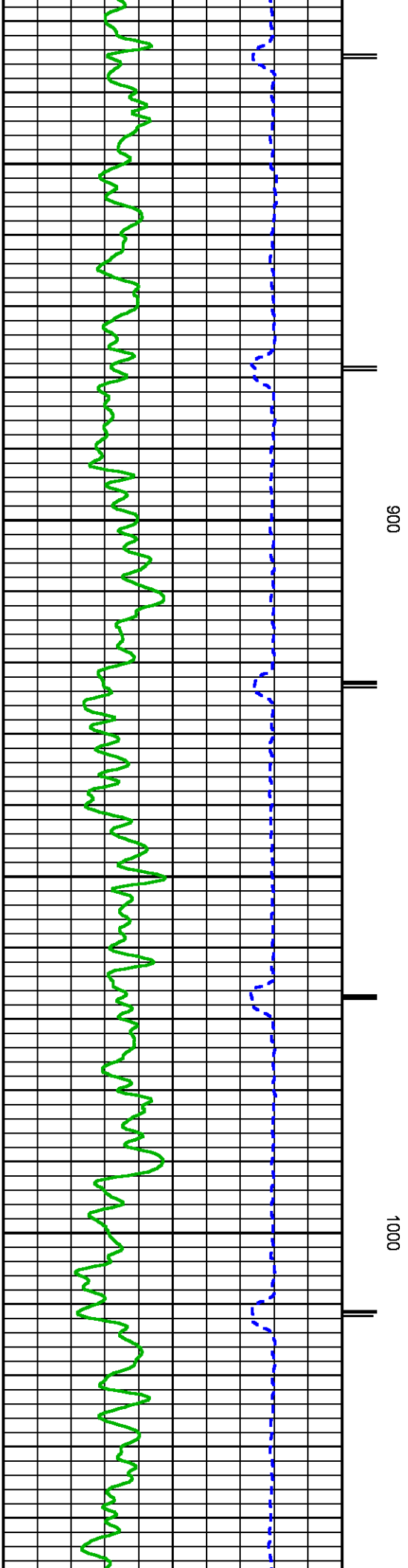
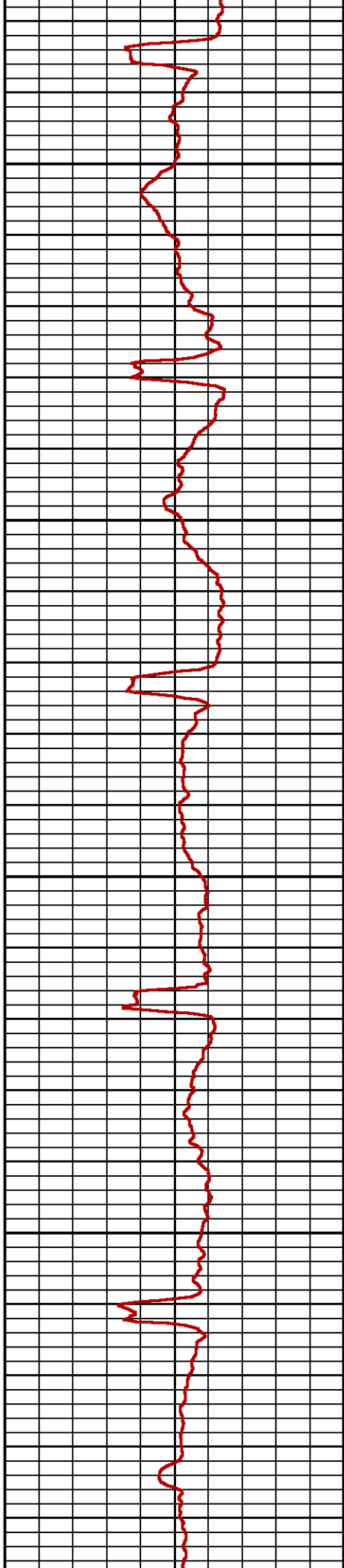
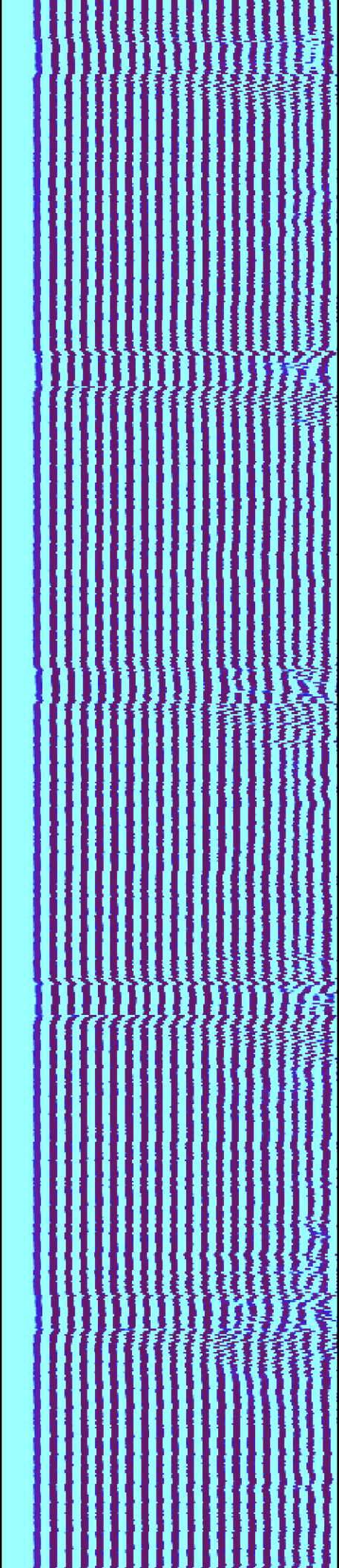
Presentation	: HL6670:WPX_CBL_PRIMARY_PRESENTATION.fvpdf [5"/100' Scale]
Plot Interval	: 19.5 - 8424.5 Feet
Data File 1	: F1 : HL6670:/dat1a/CH093867/RAL_MAIN.xtf
Created On	: Jan 9 08:44:15 2015
Company	: WPX ENERGY ROCKY MTN LLC
Well	: FEDERAL PA 332-27
Field	: PARACHUTE
File Interval	: 18.5 - 8434 Feet
OCT	: n012e

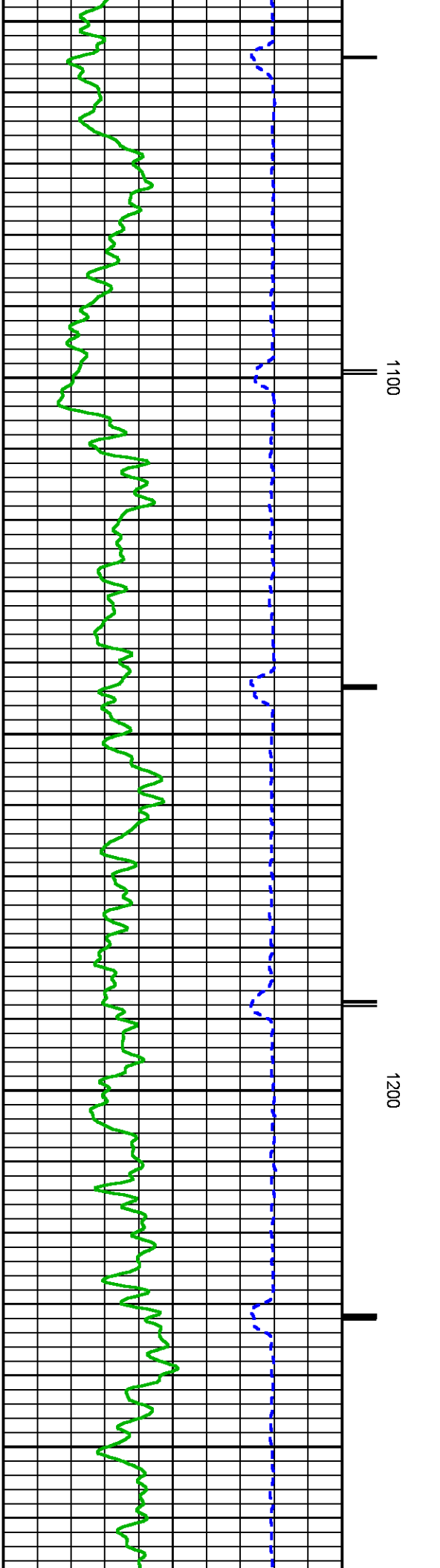
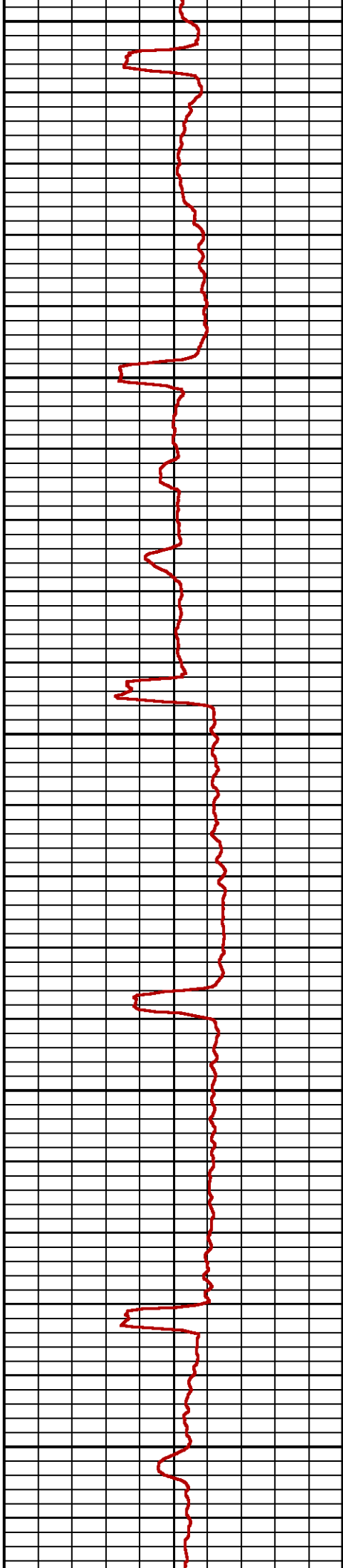
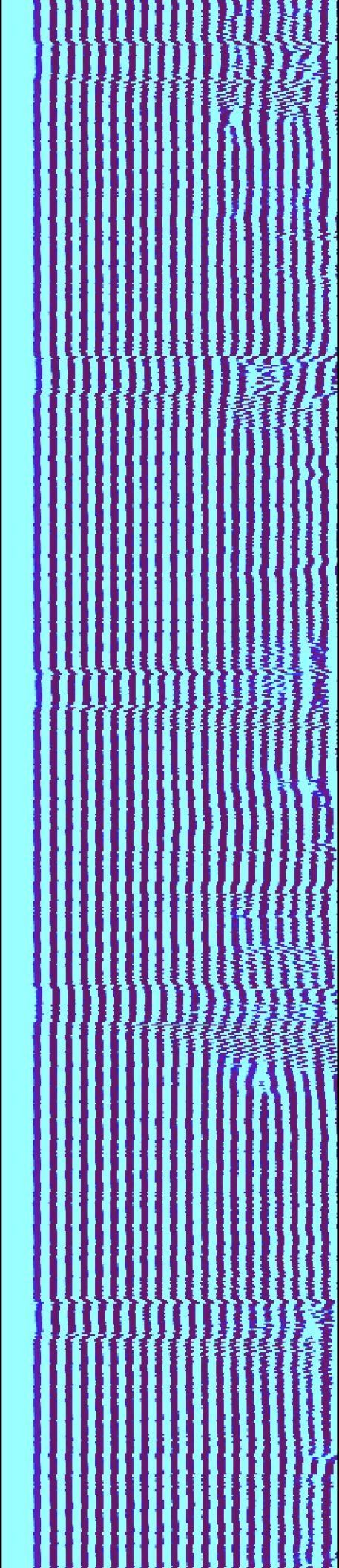


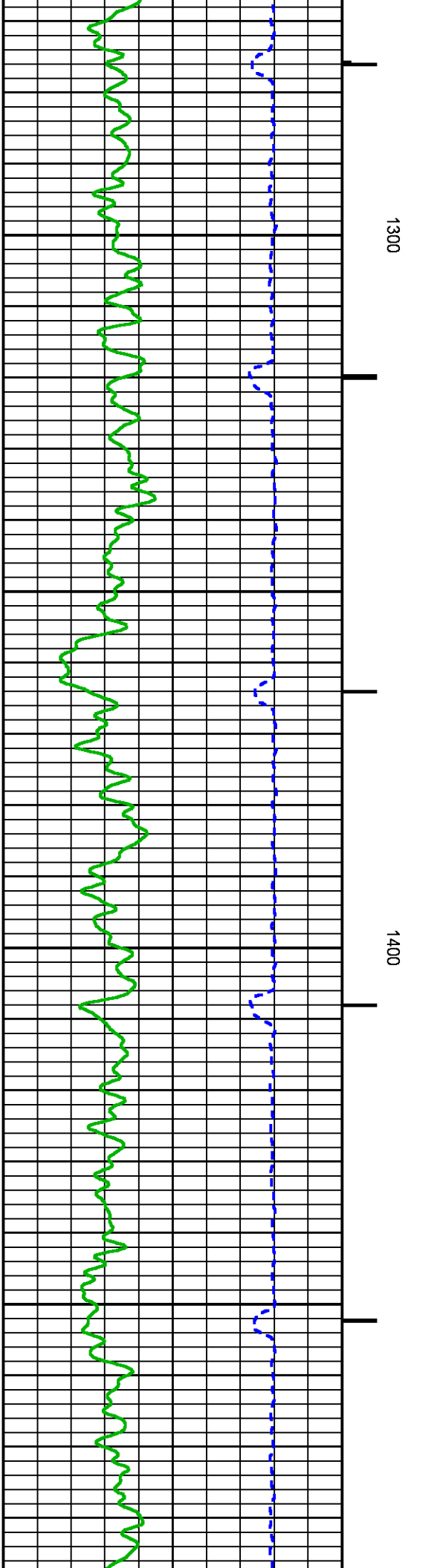
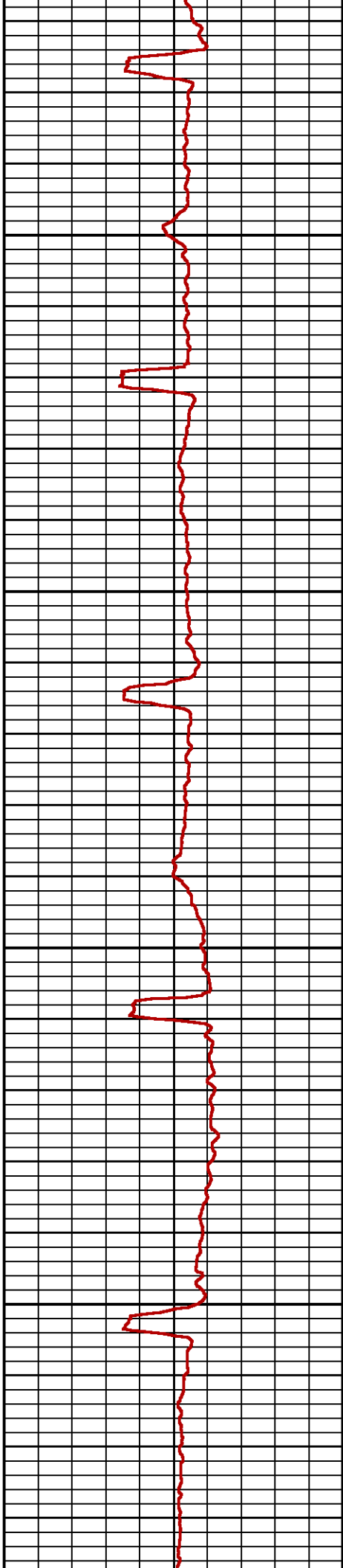
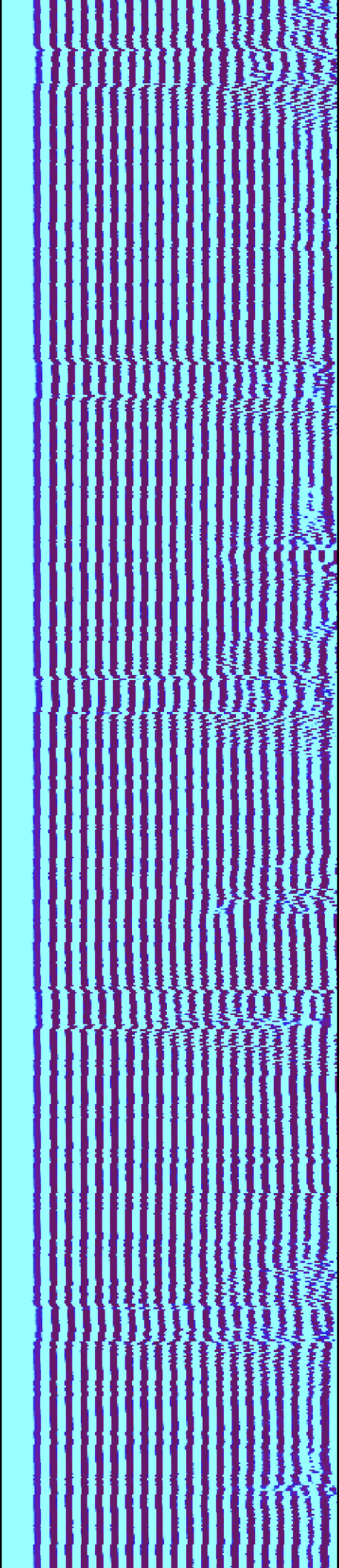


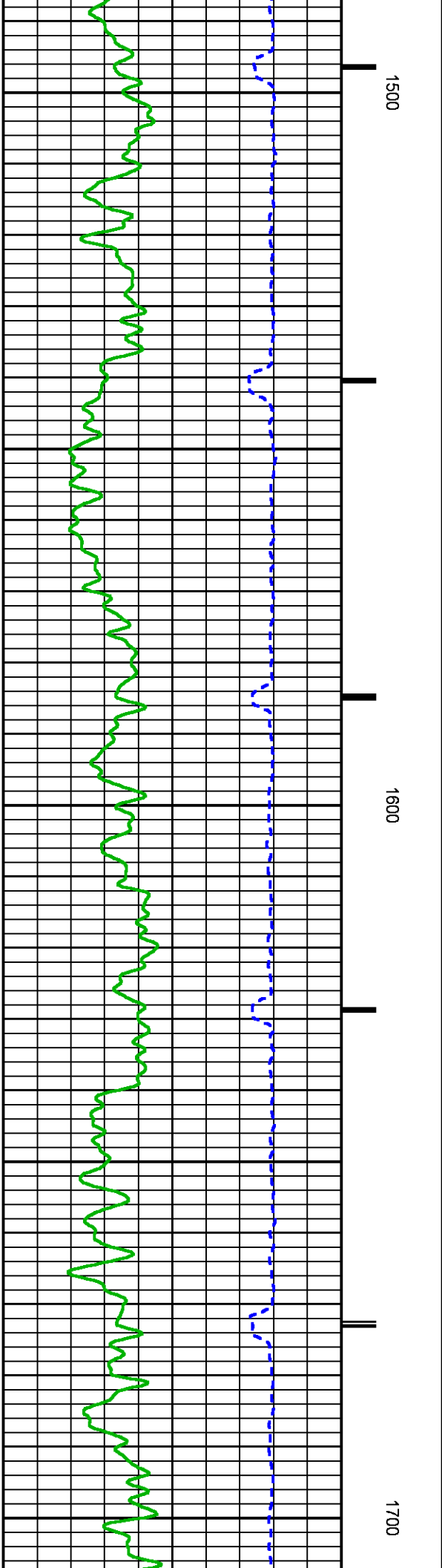
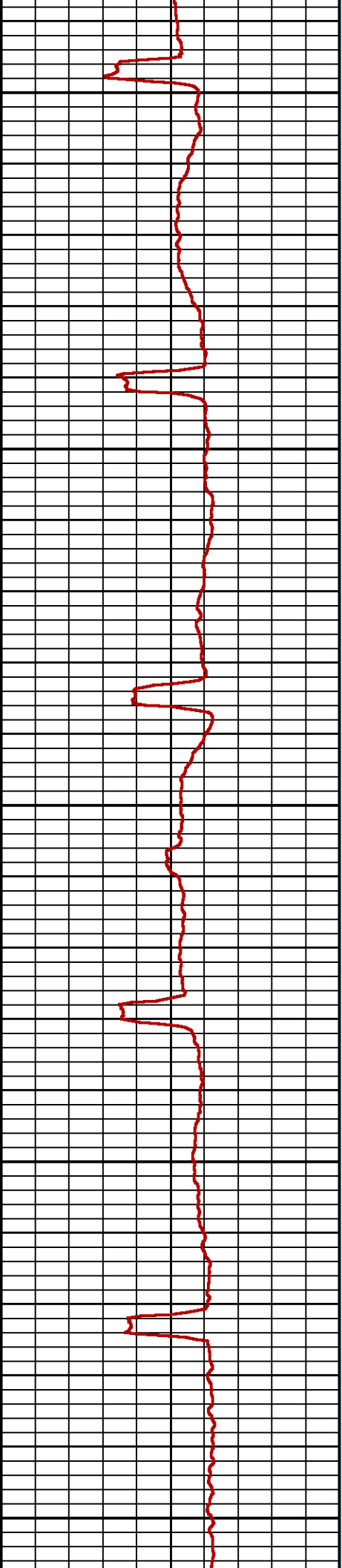
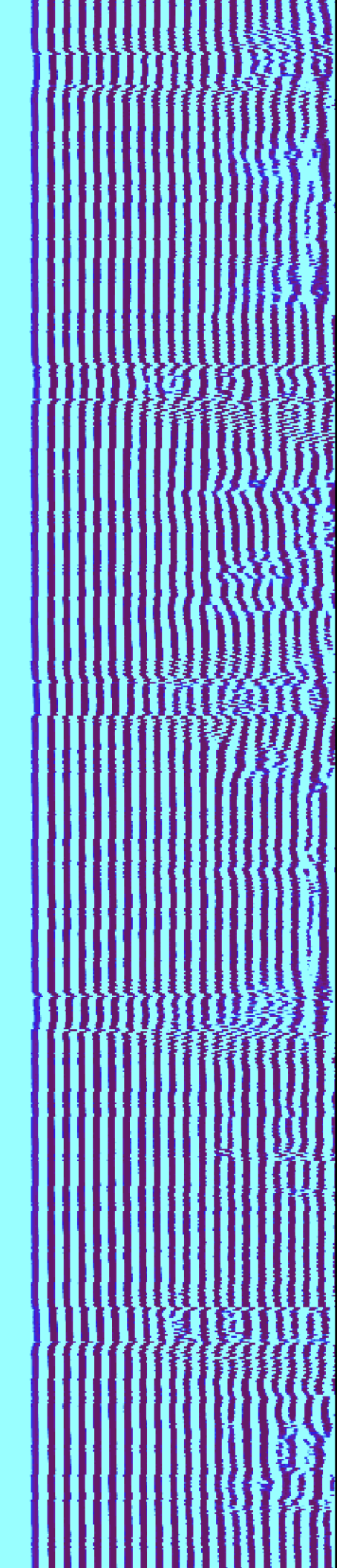


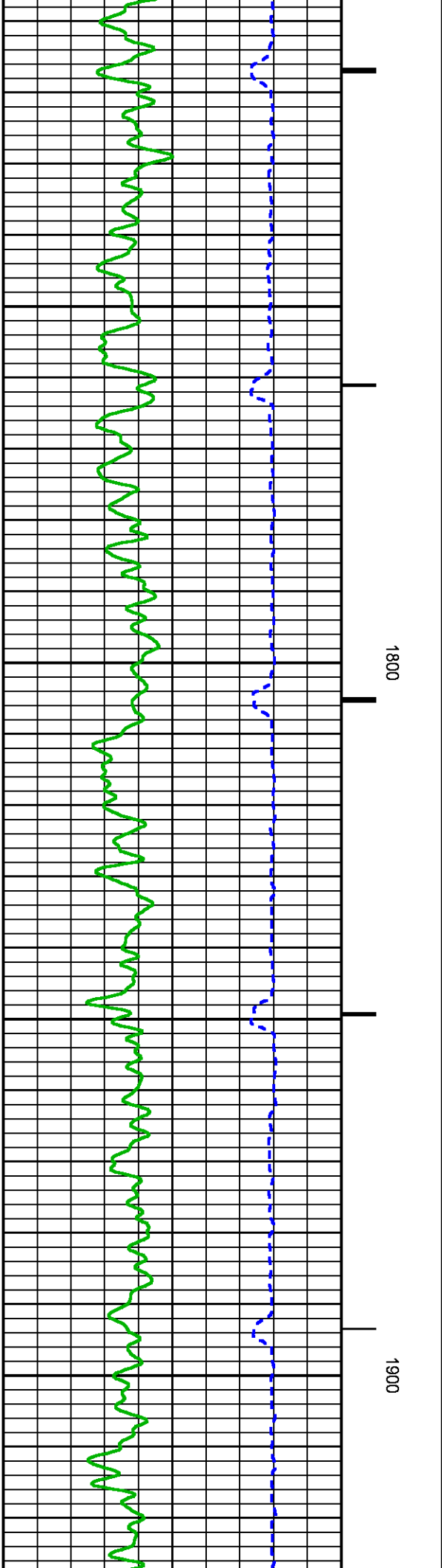
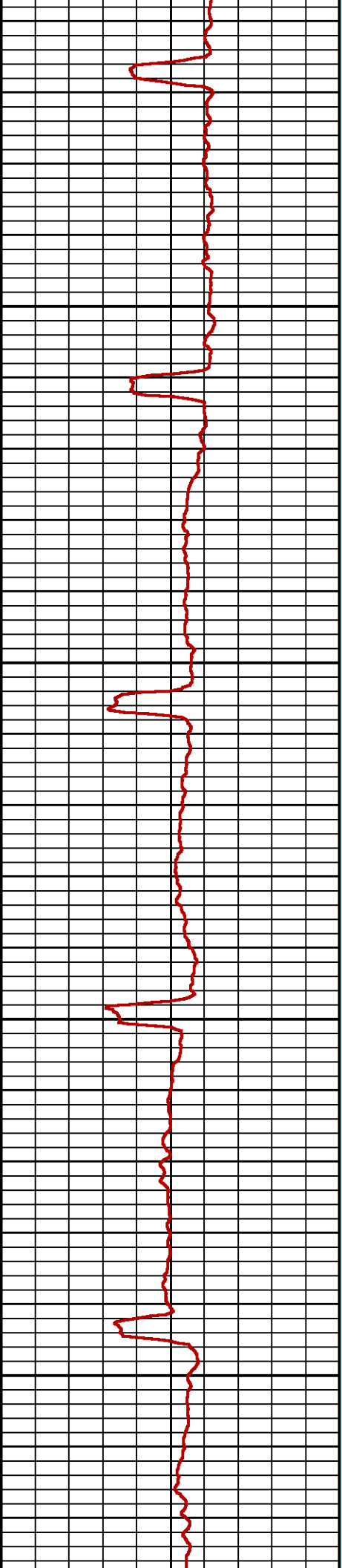
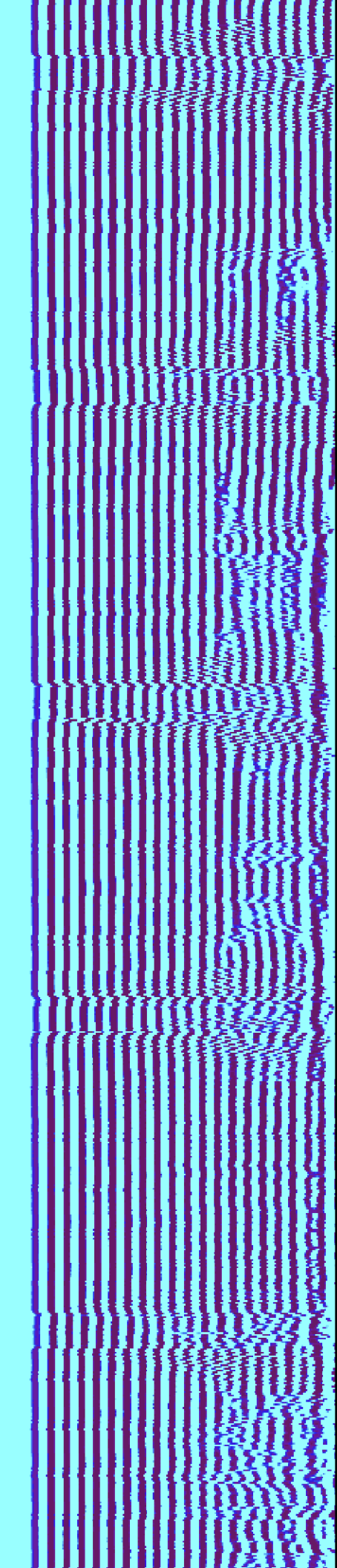


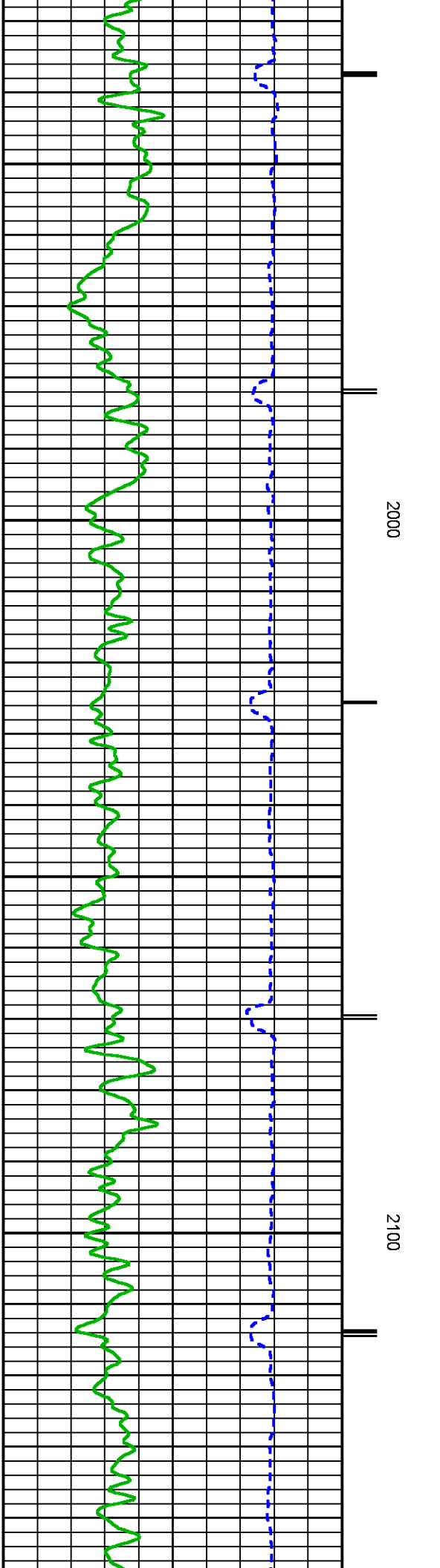
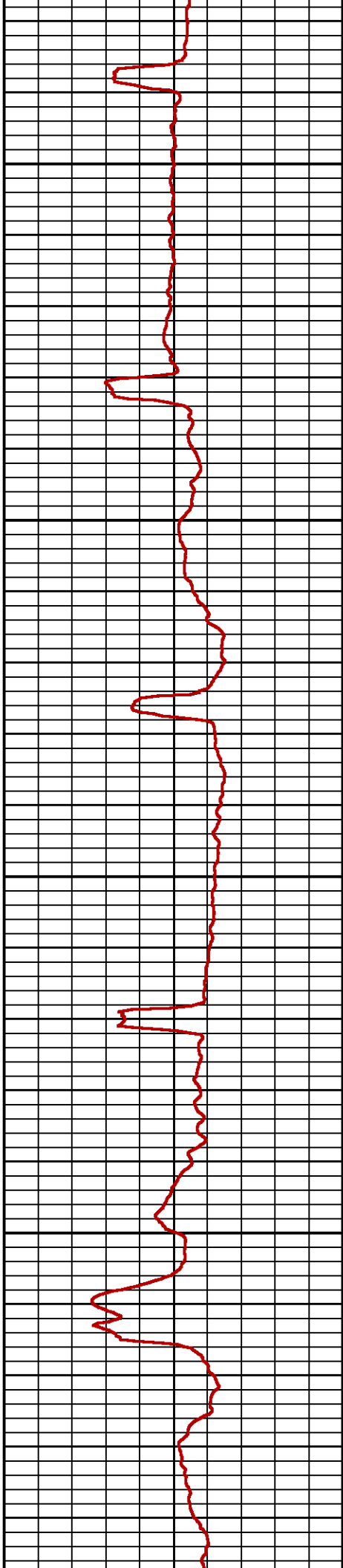
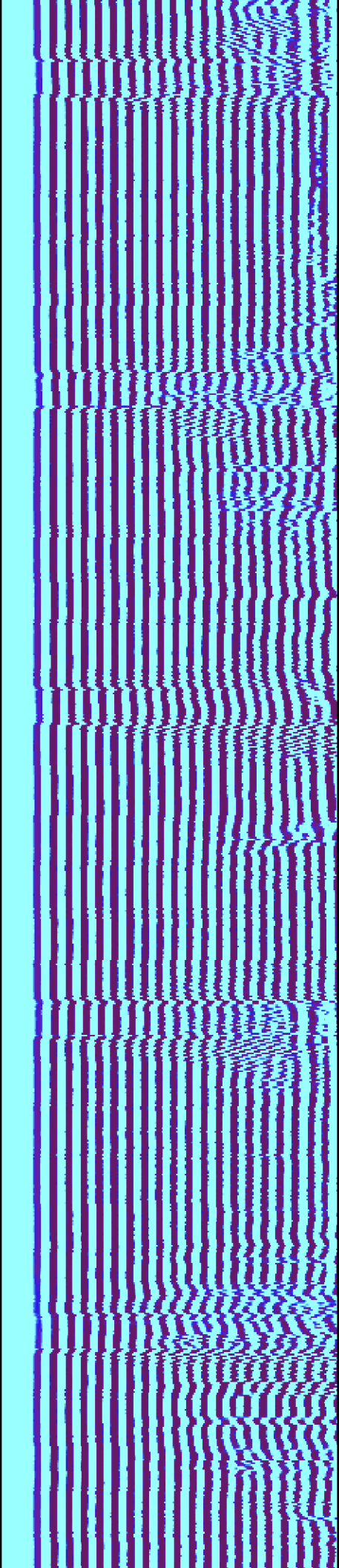


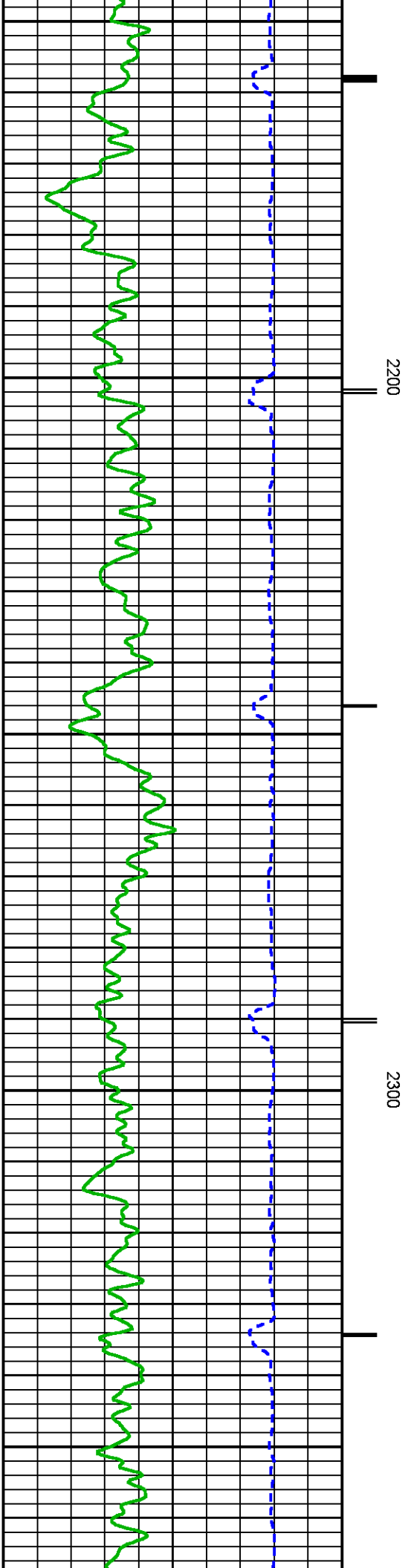
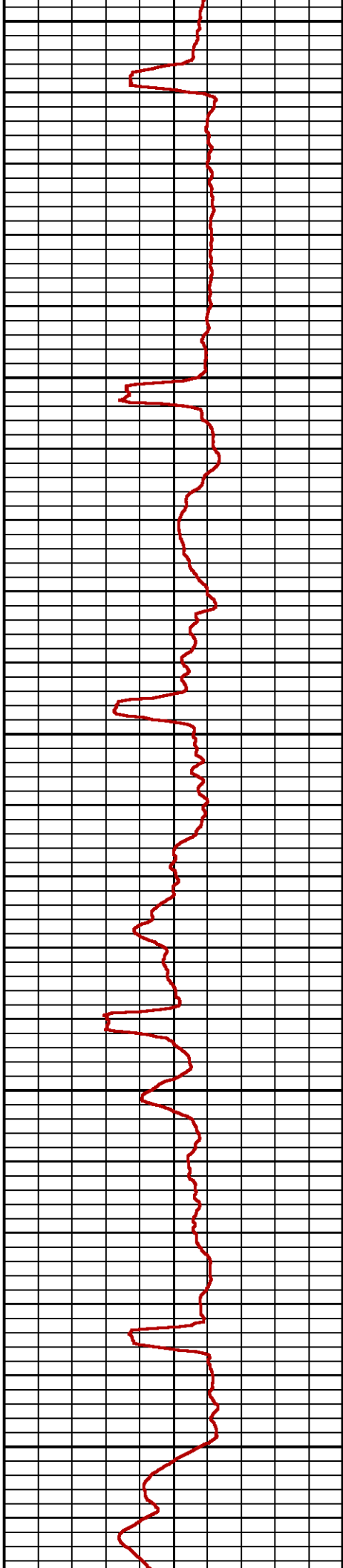
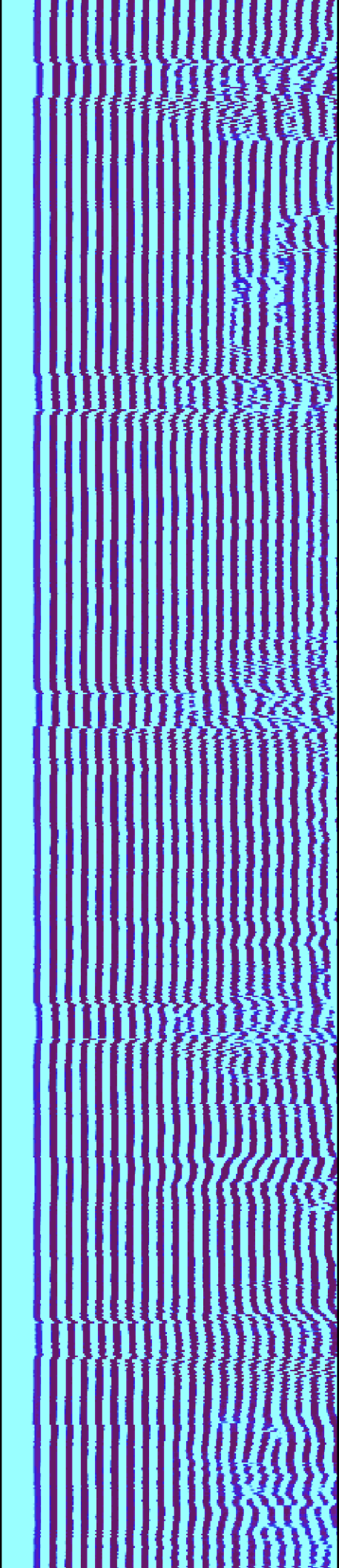


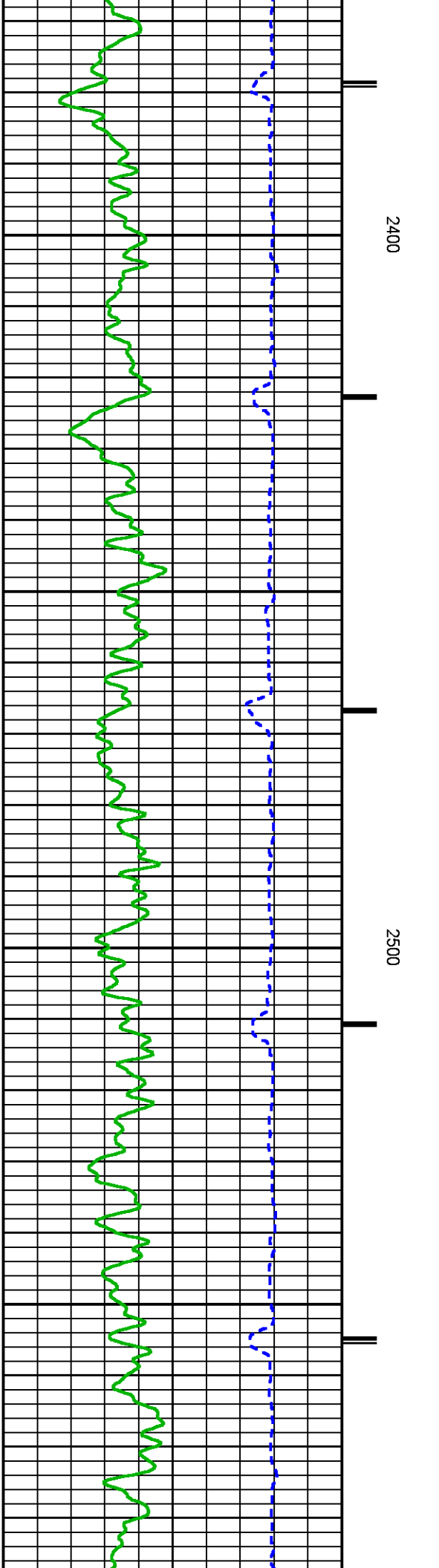
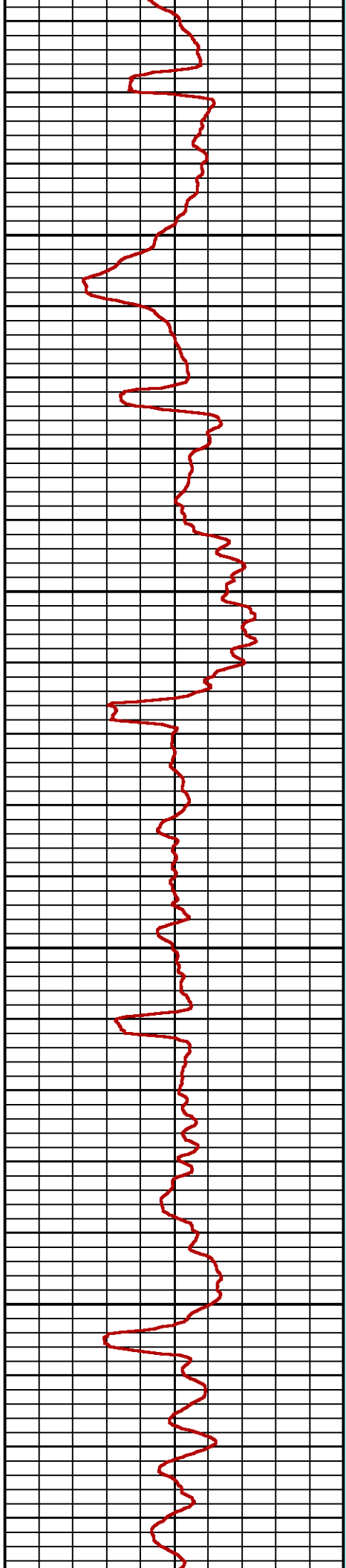
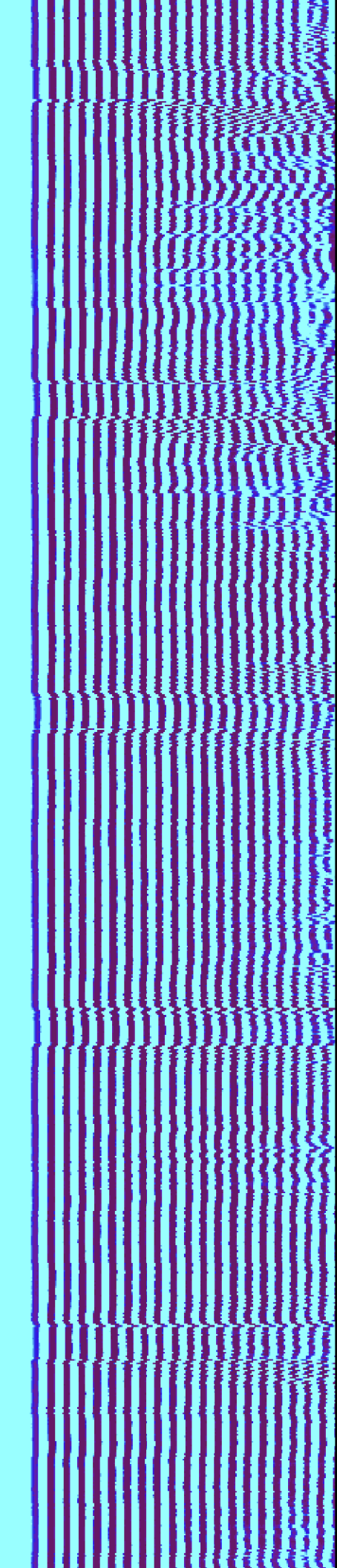


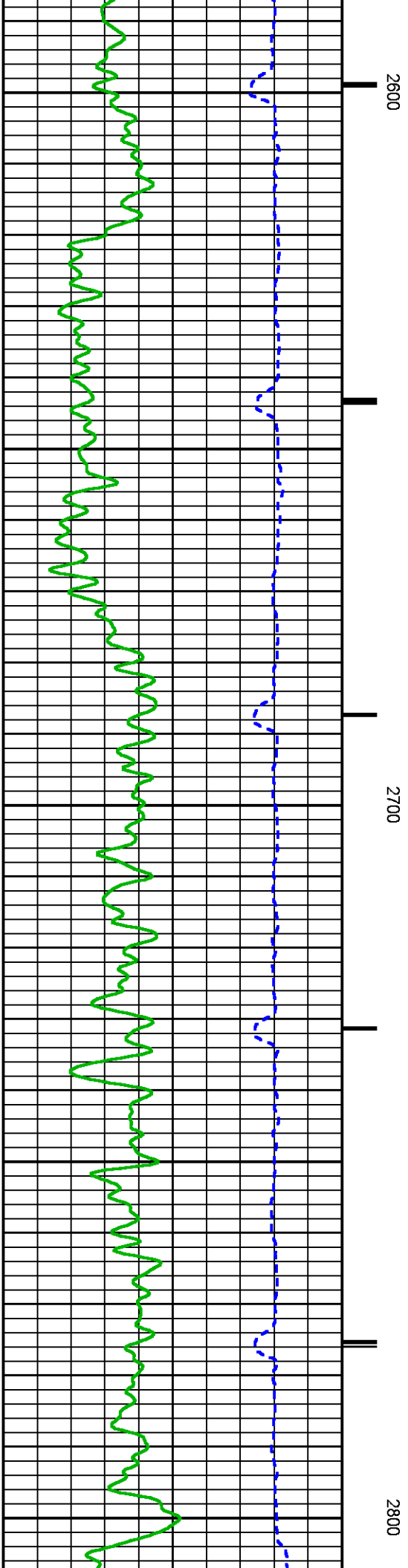
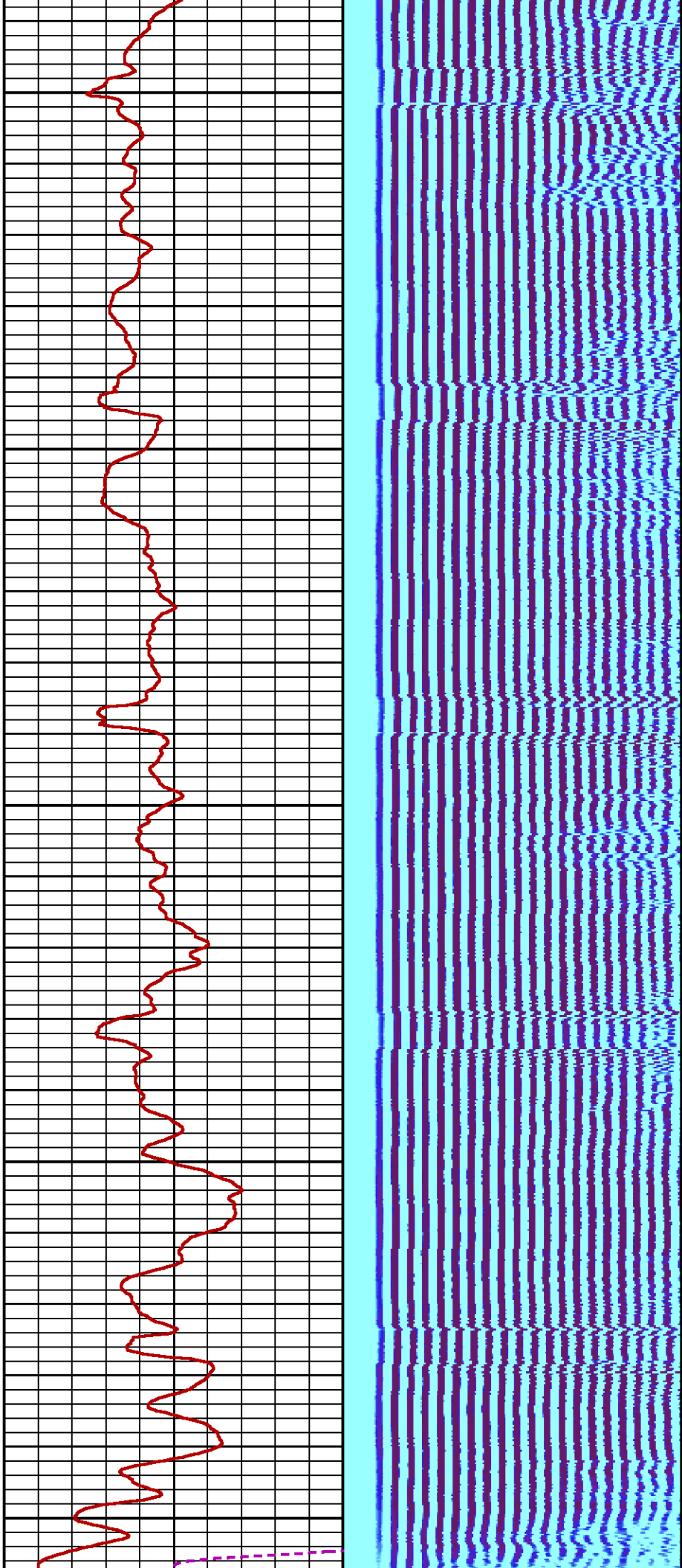


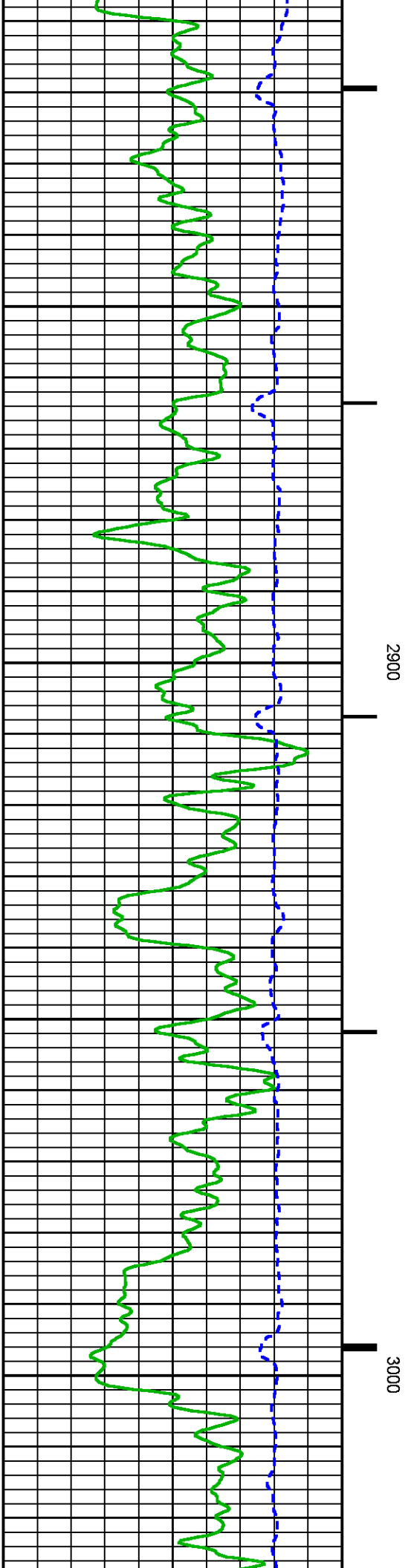
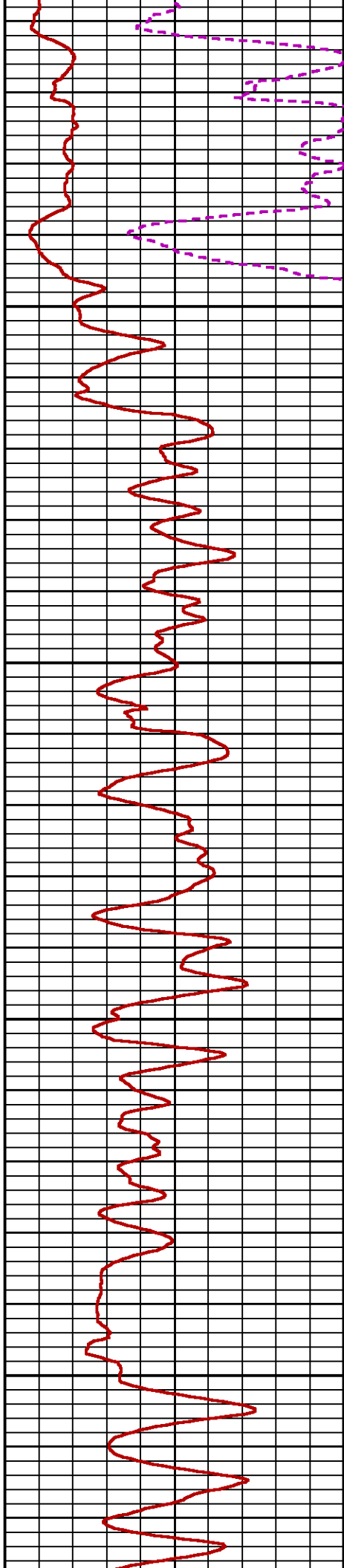
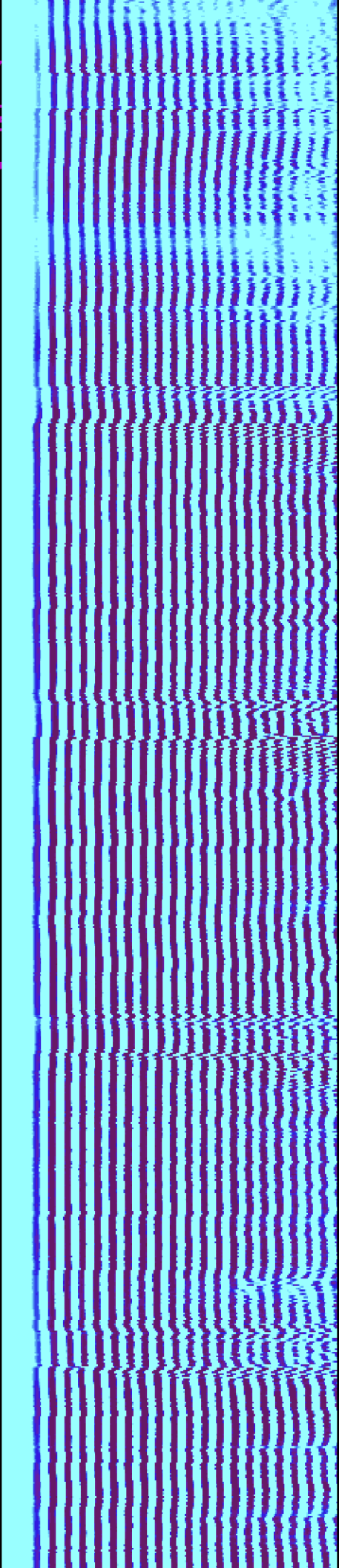


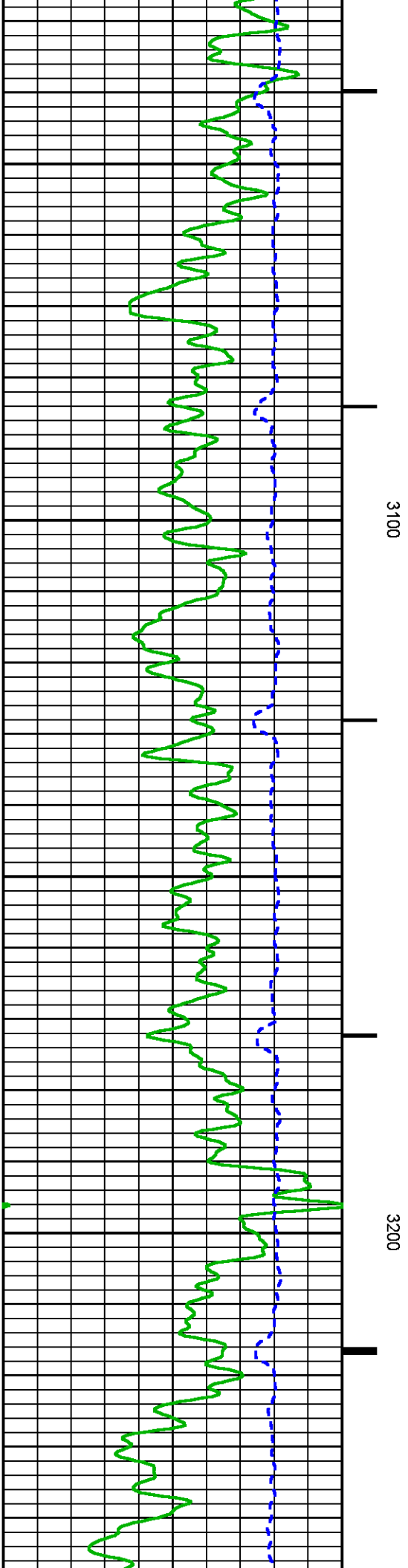
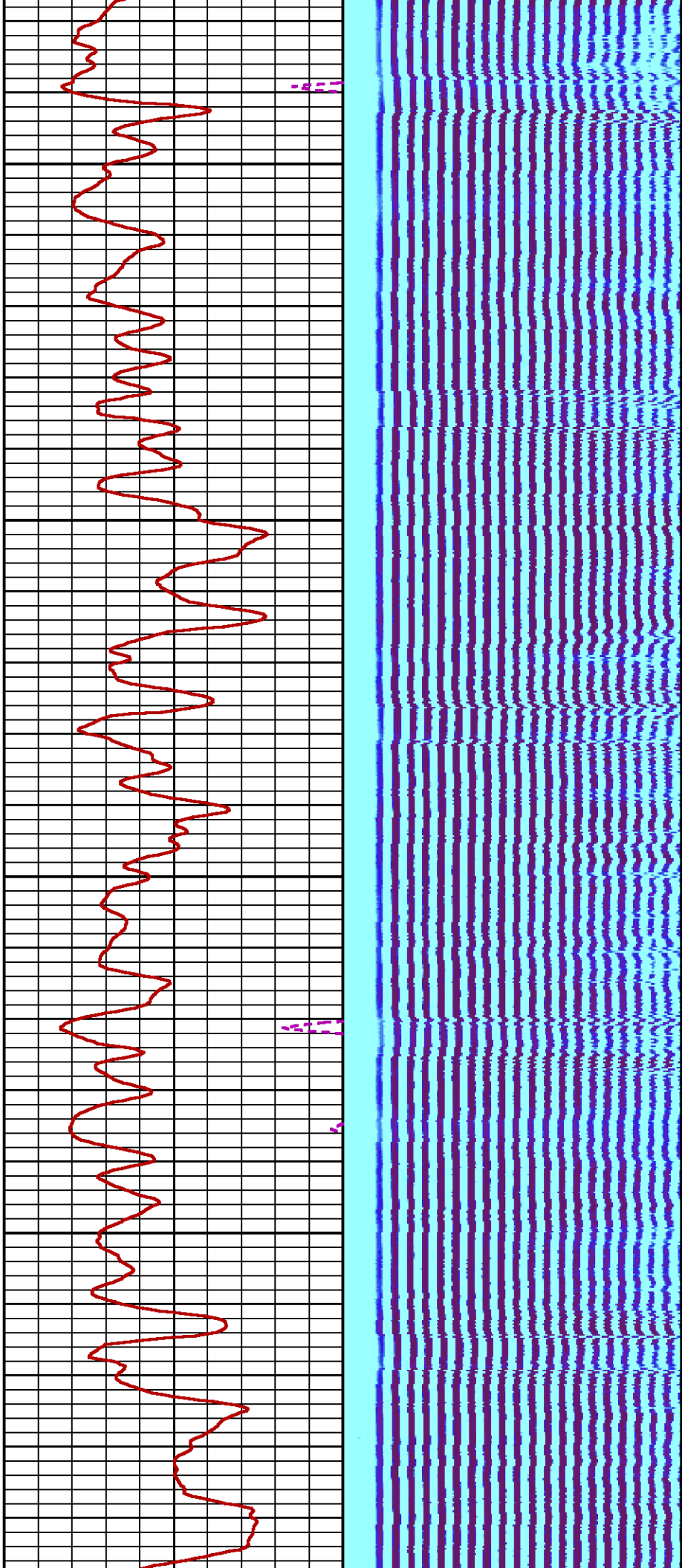


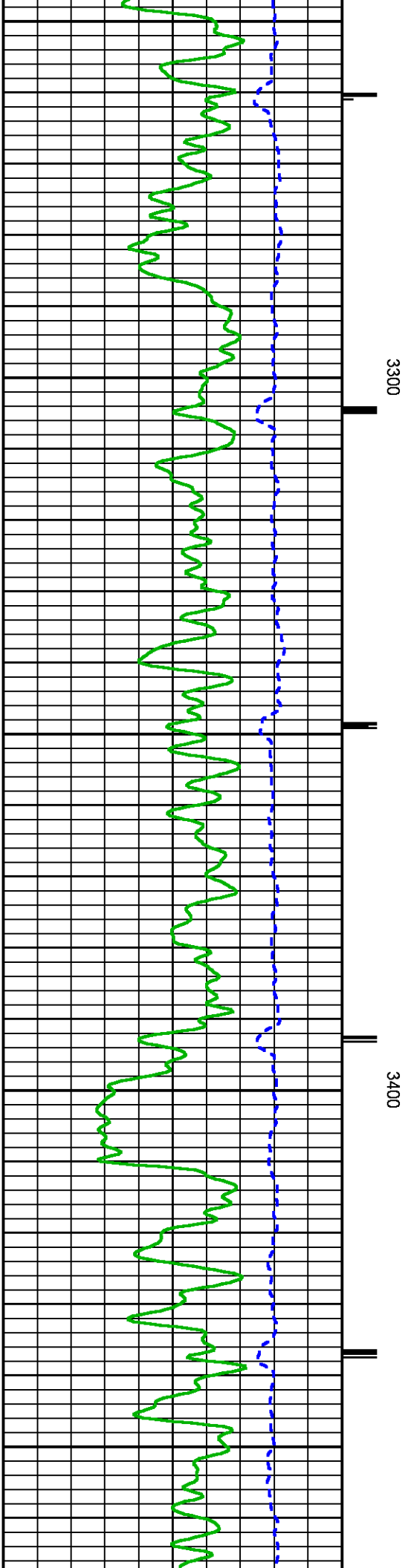
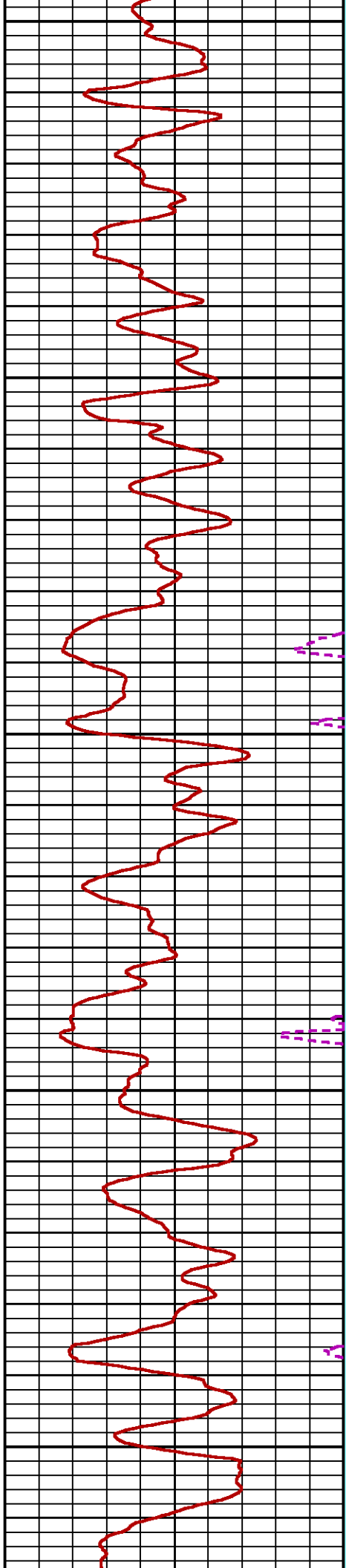
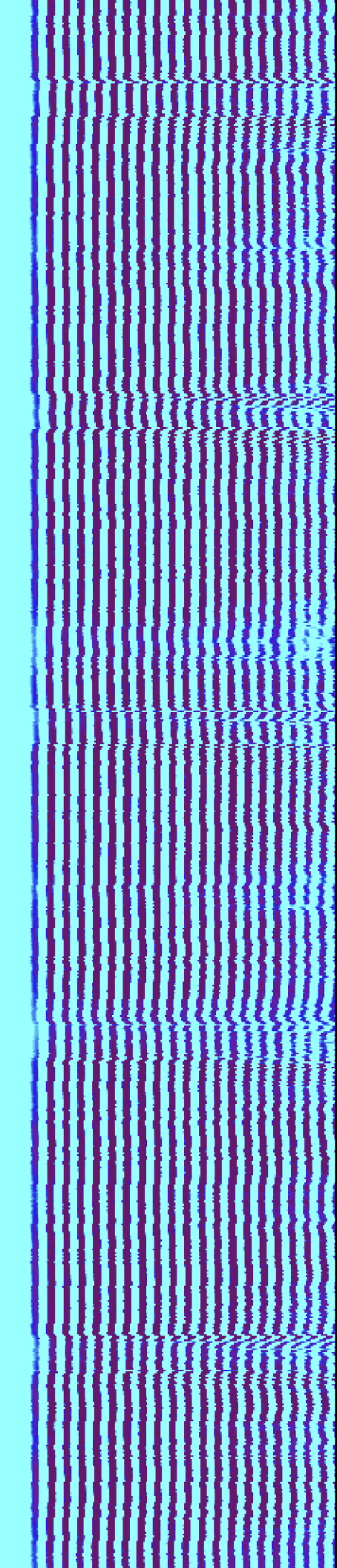


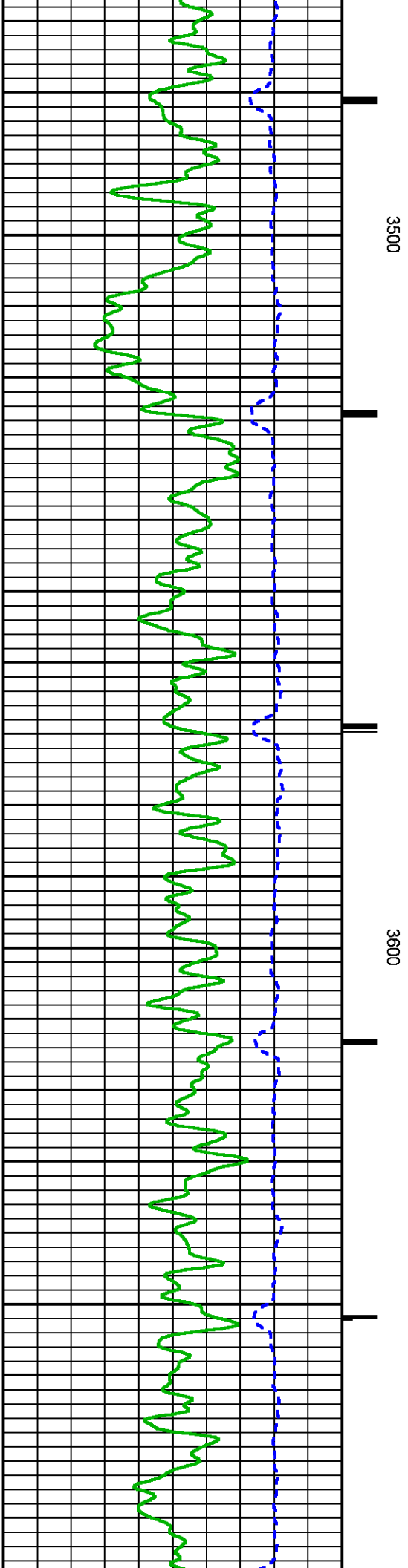
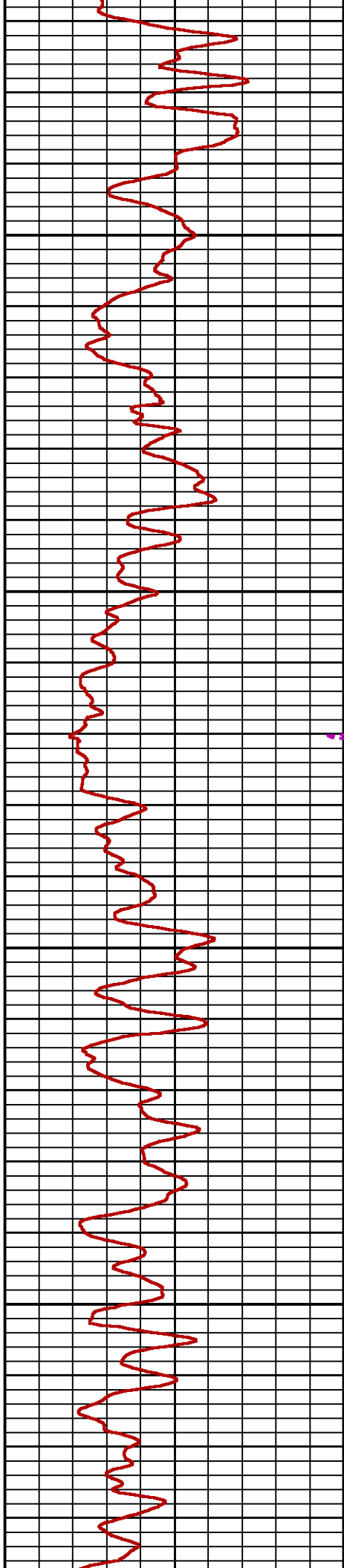
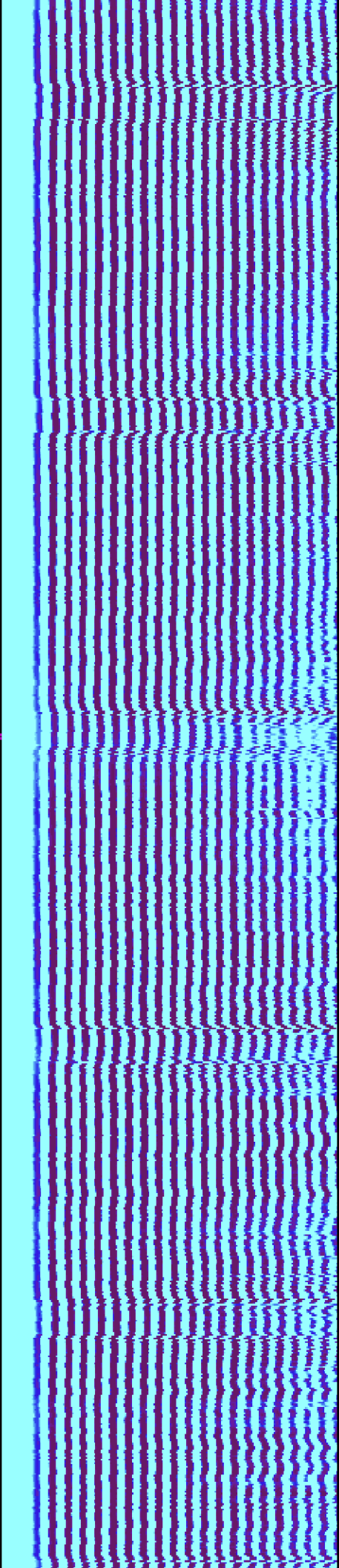


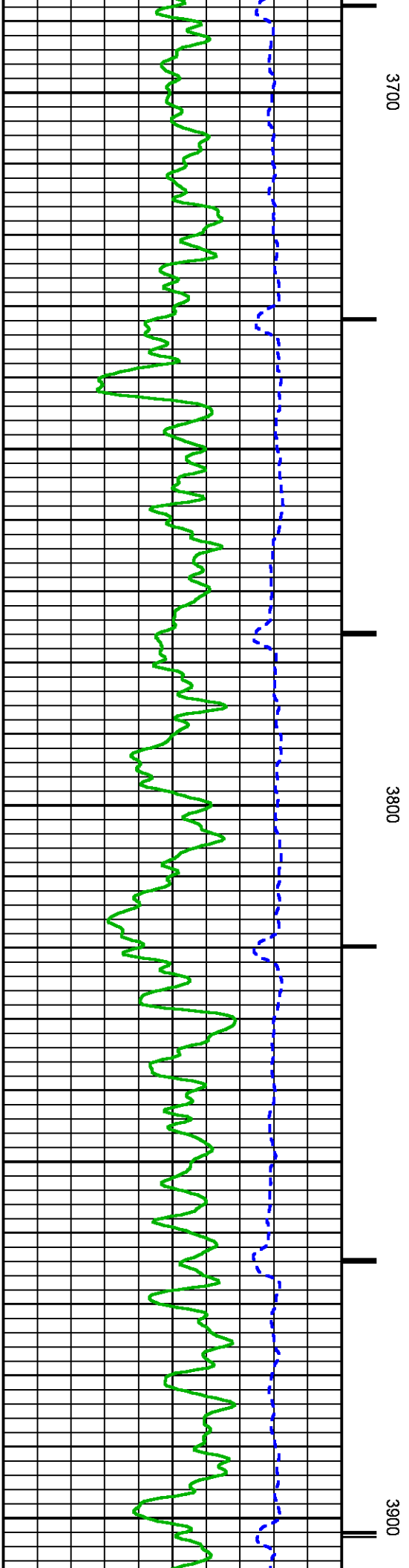
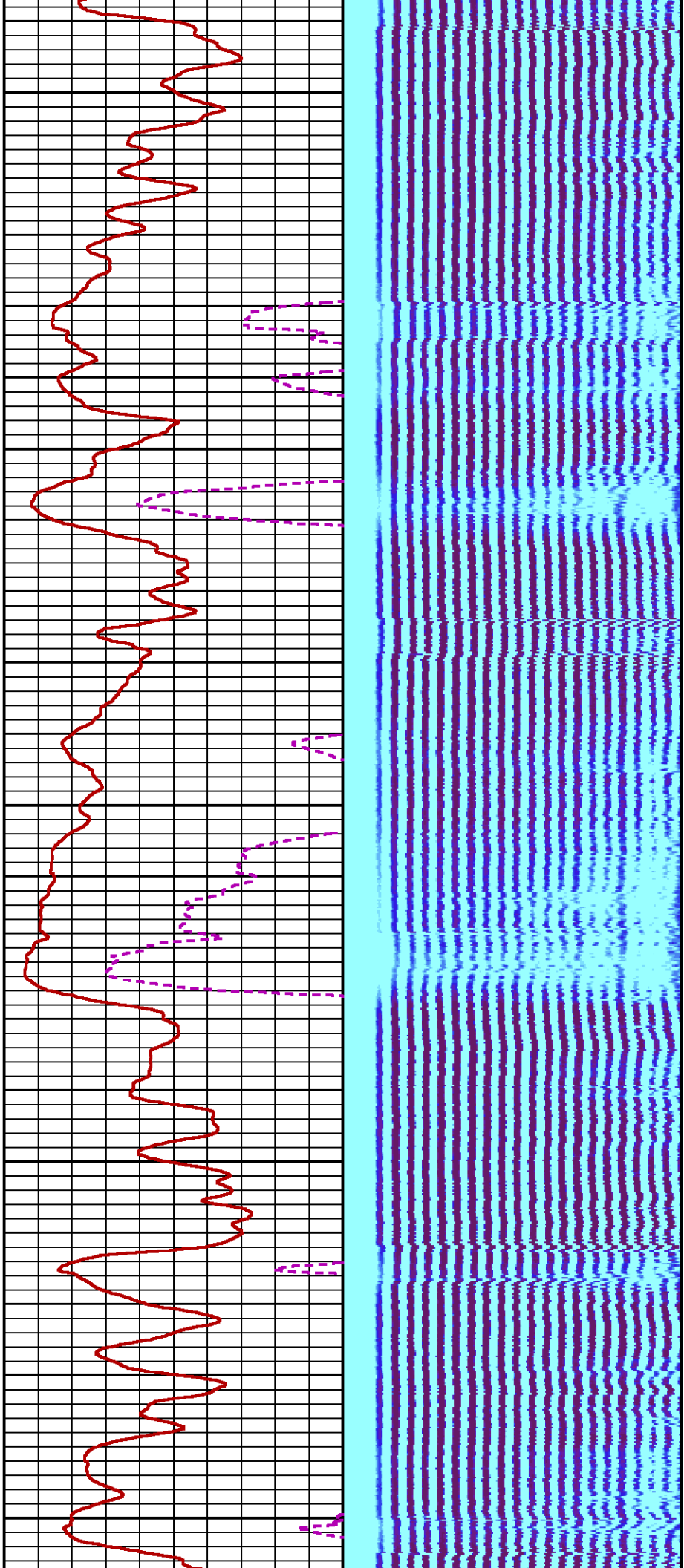


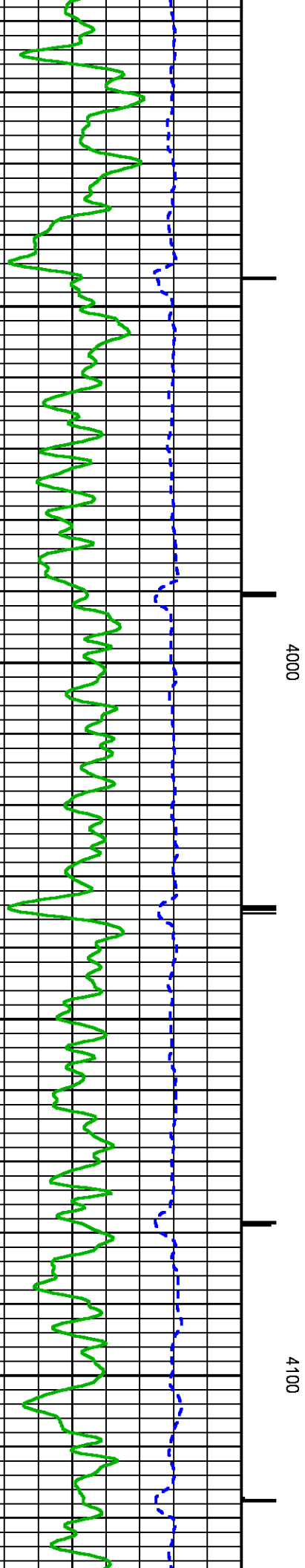
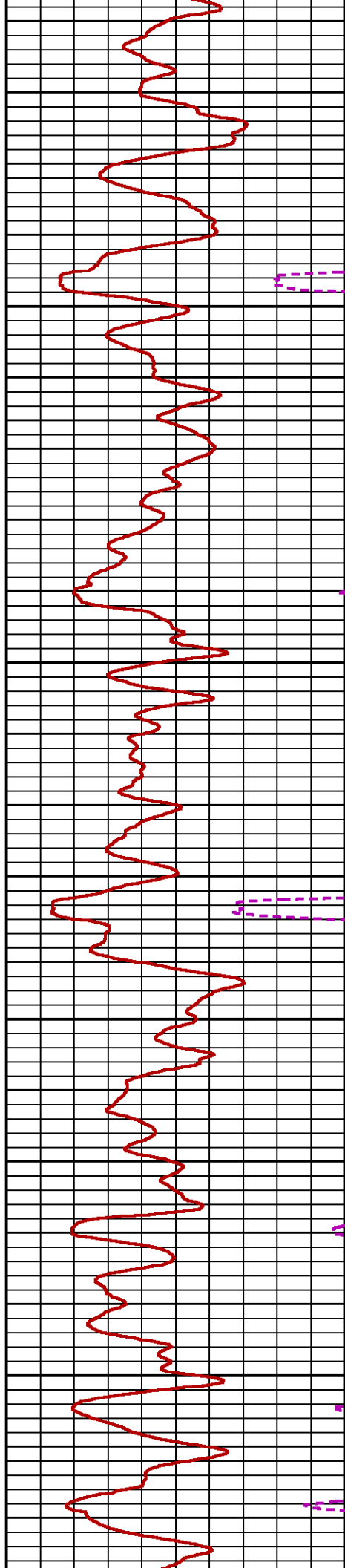
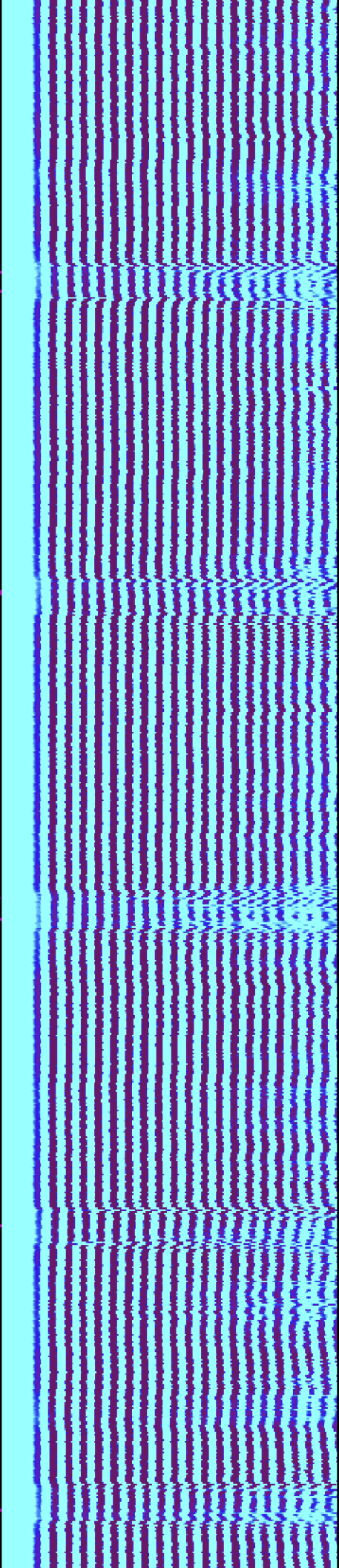


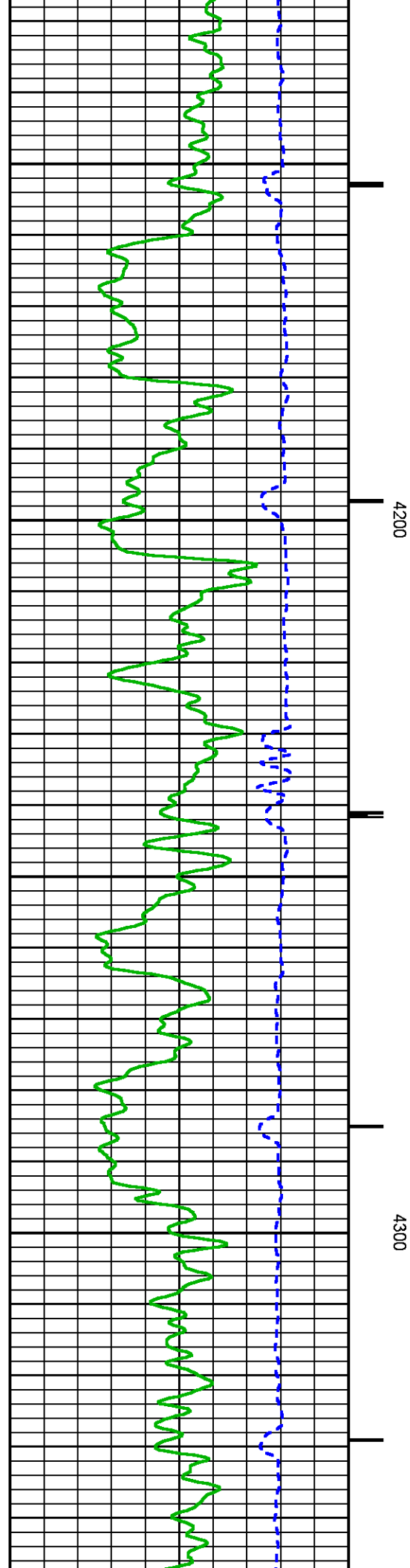
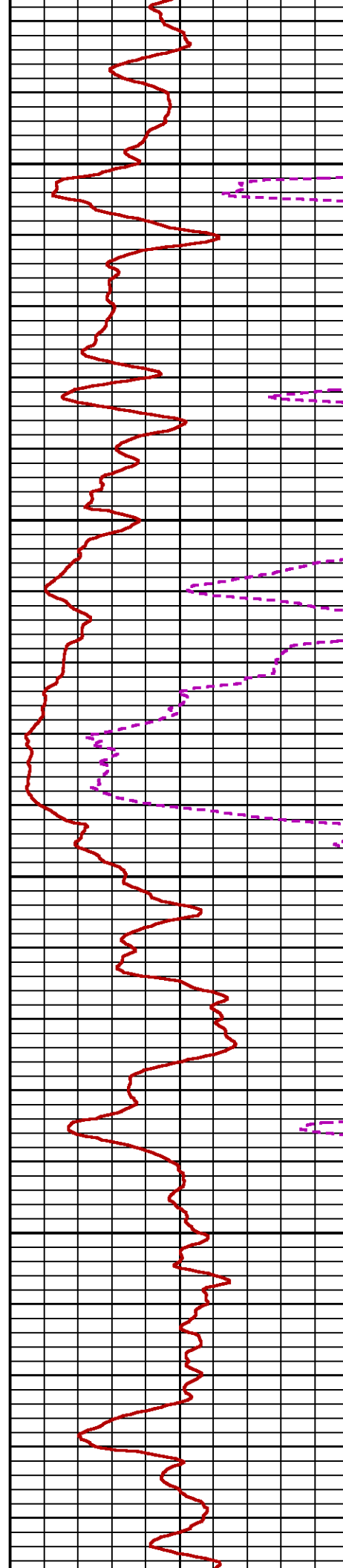
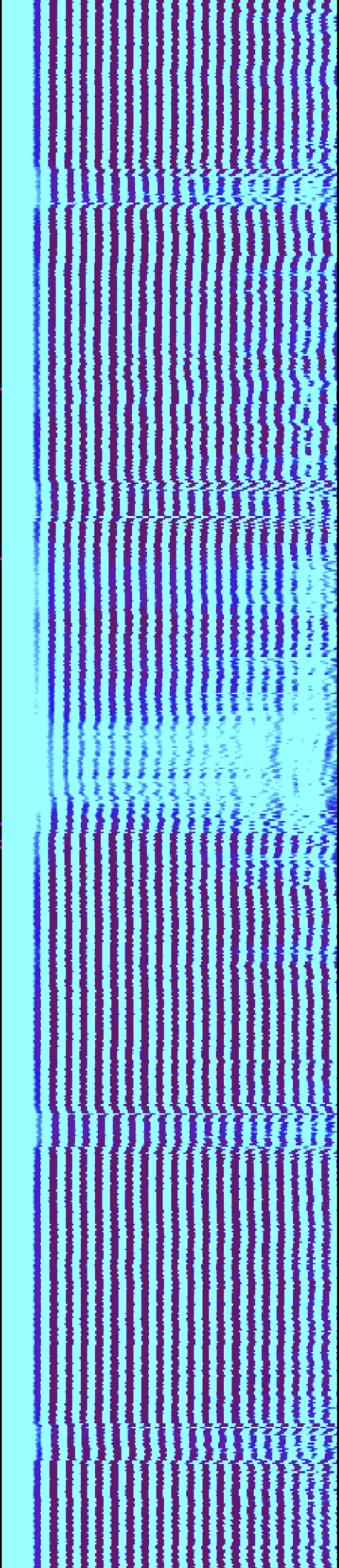


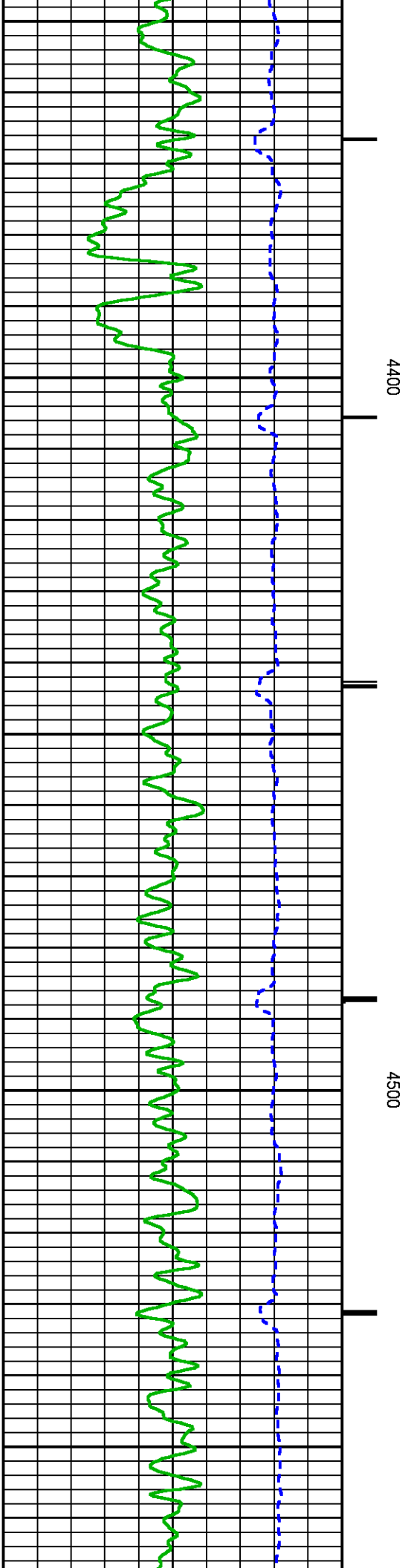
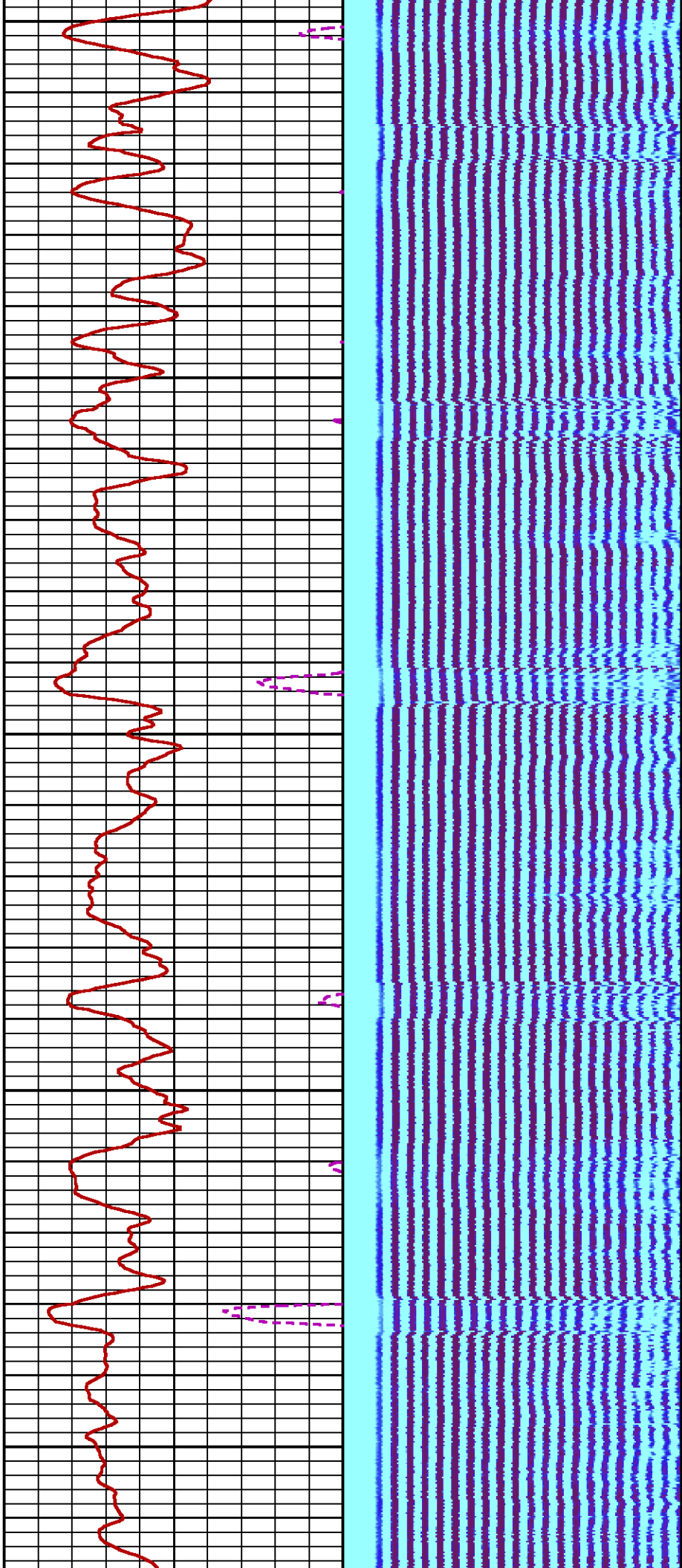


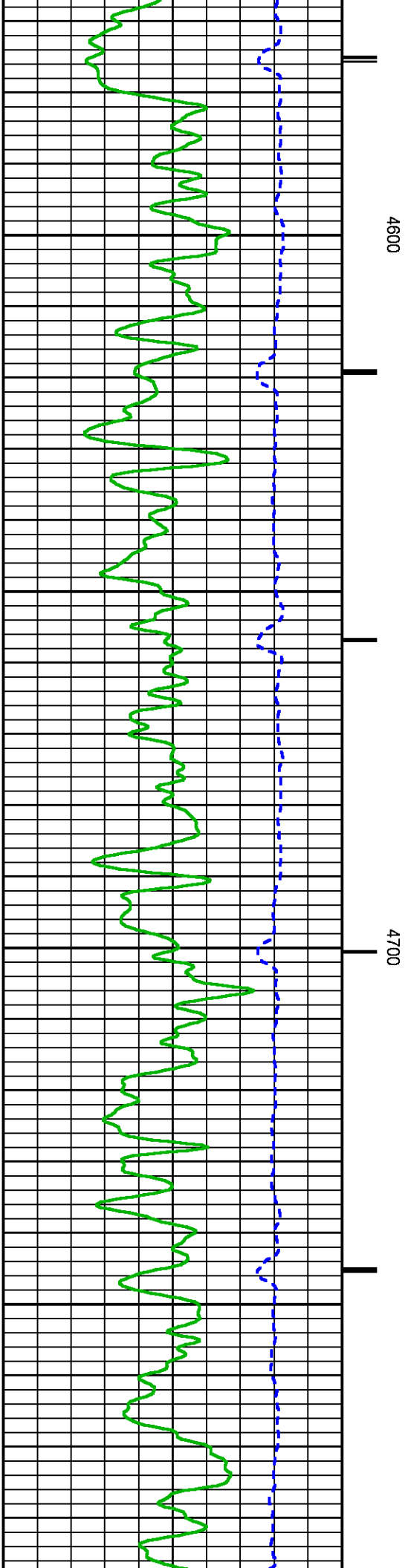
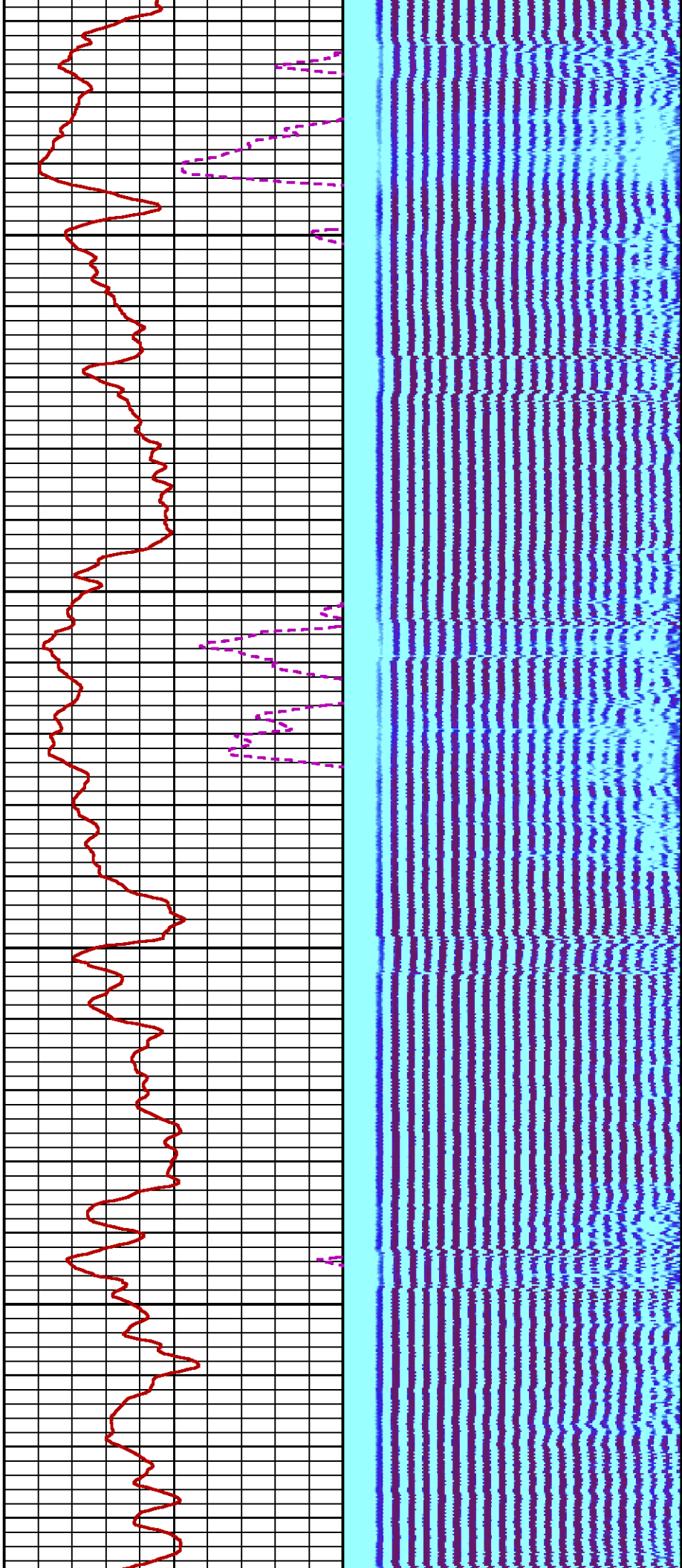


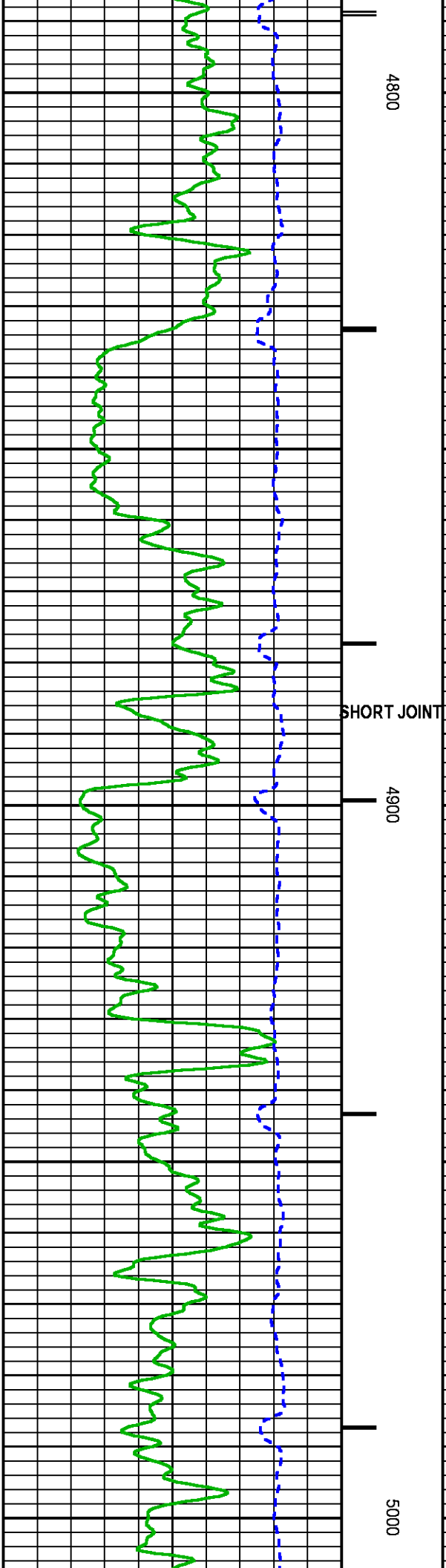
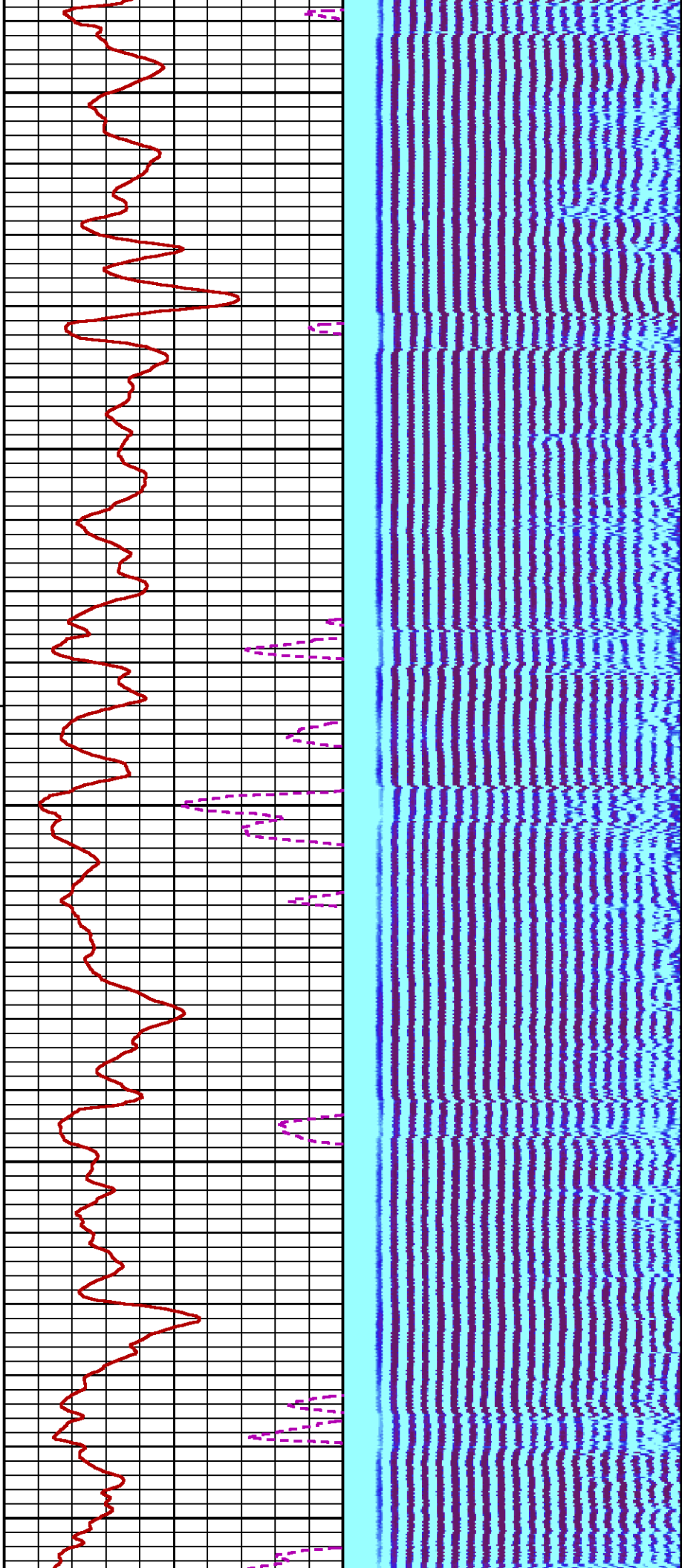


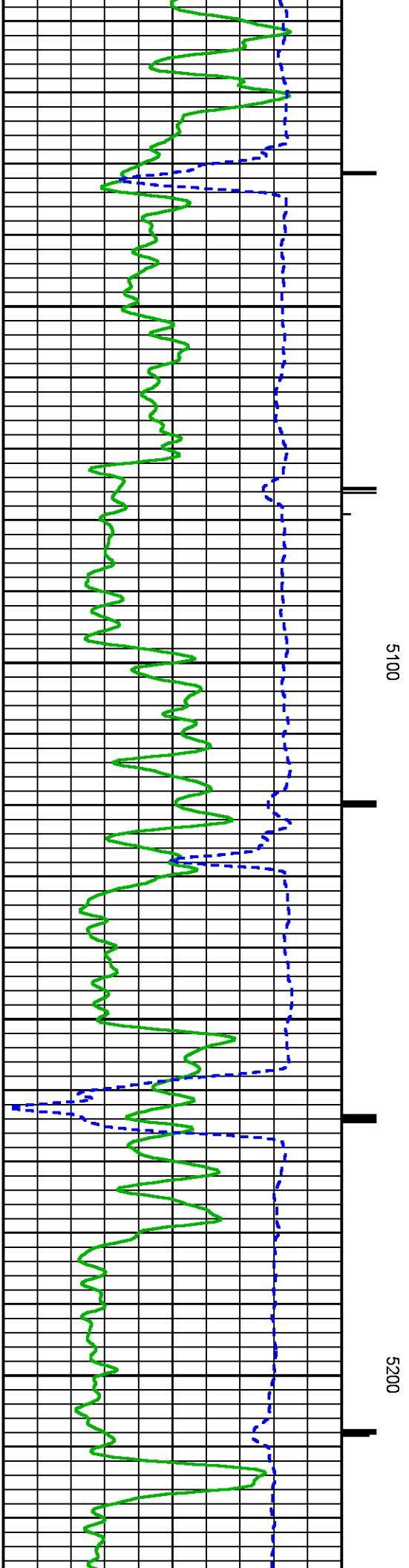
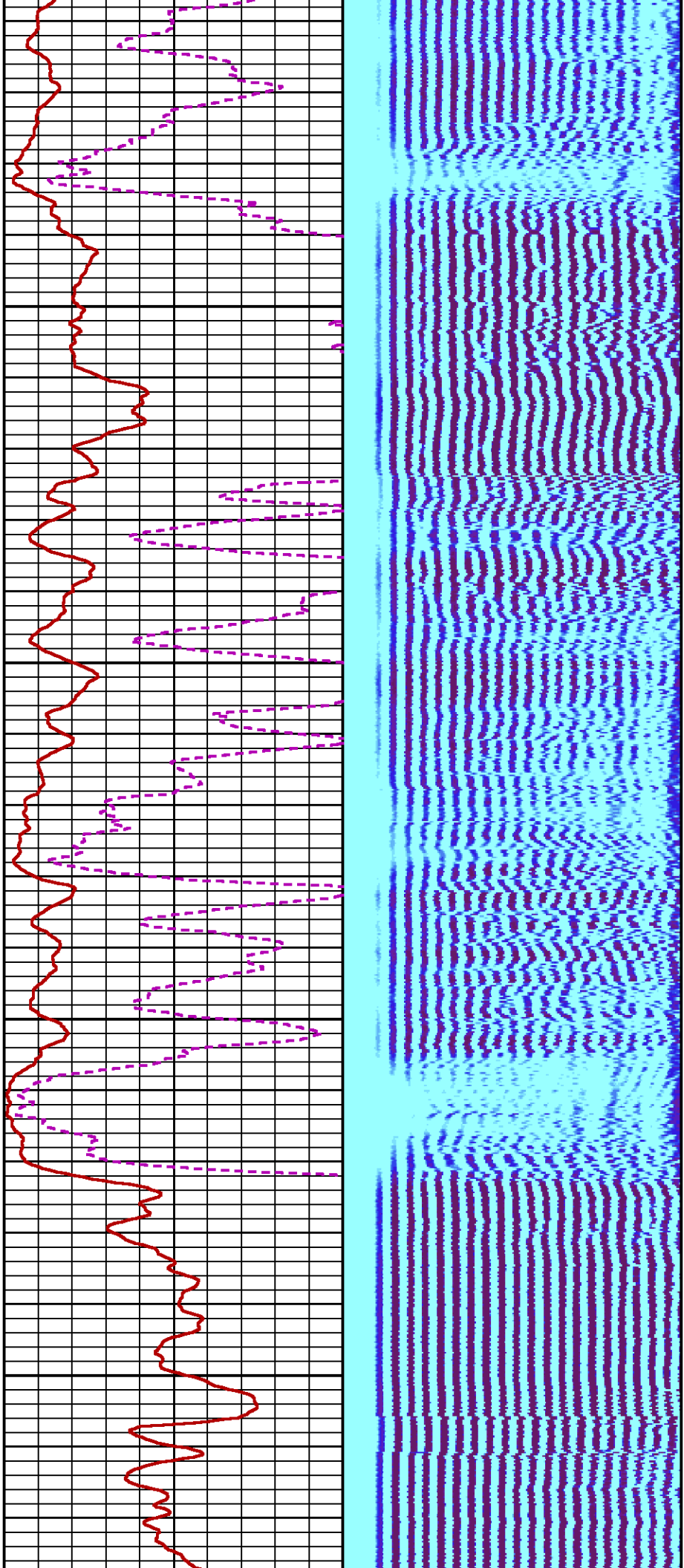


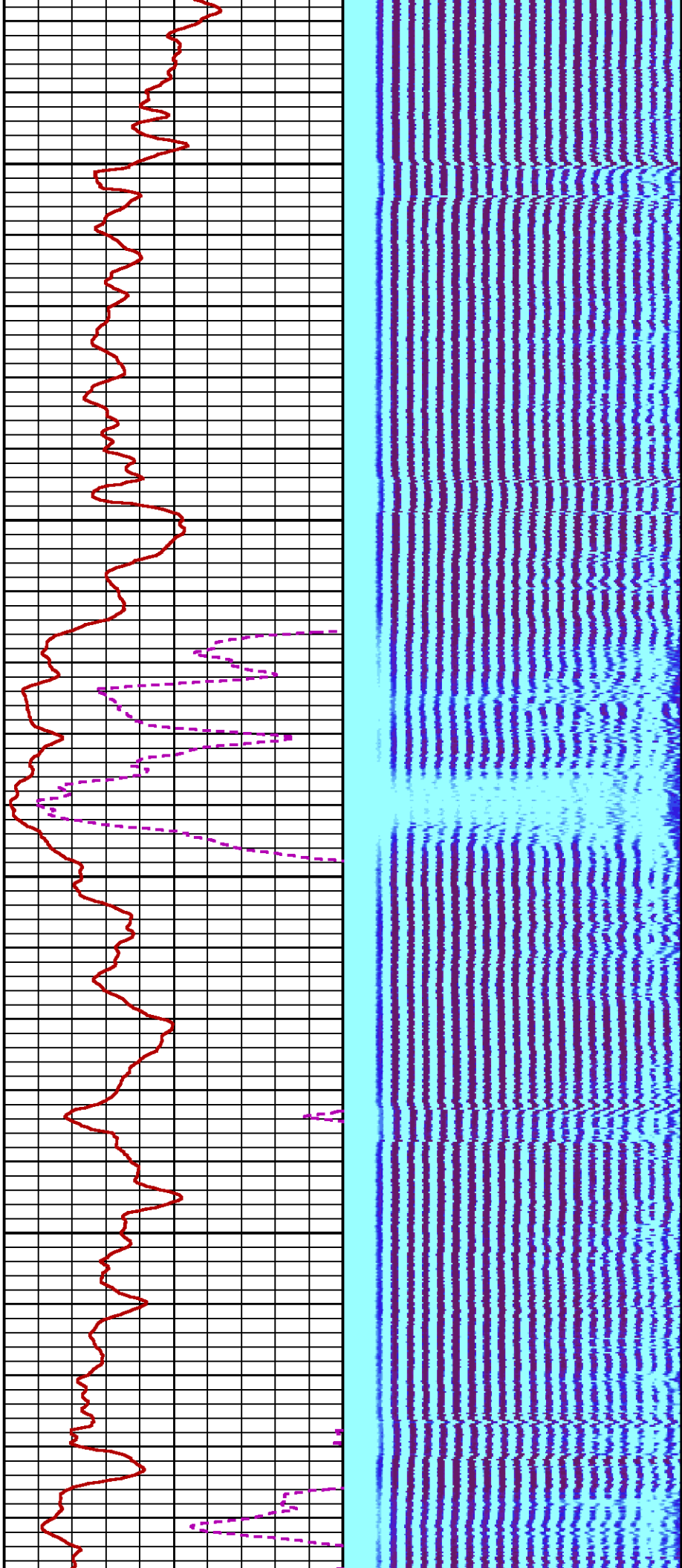






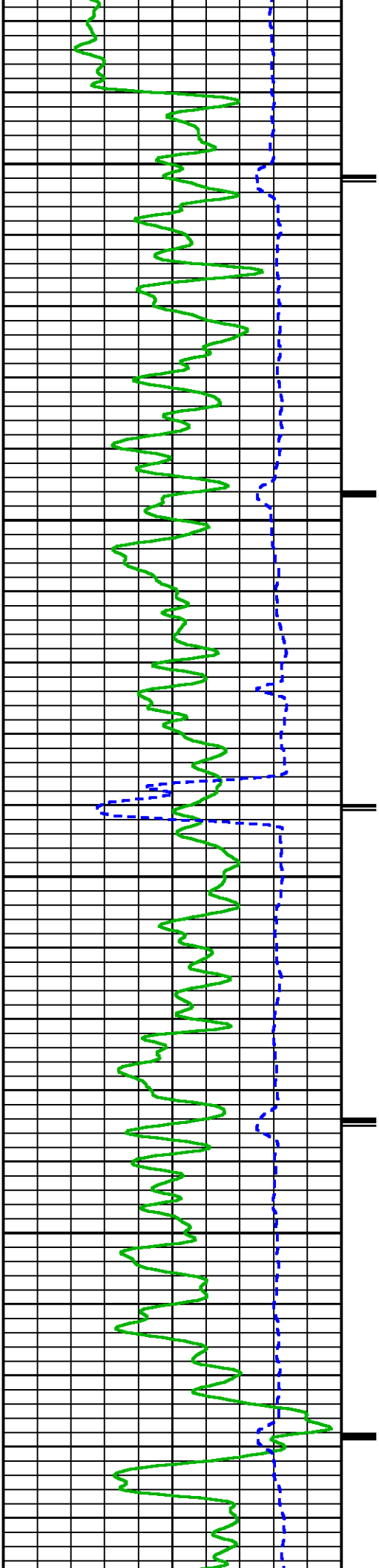


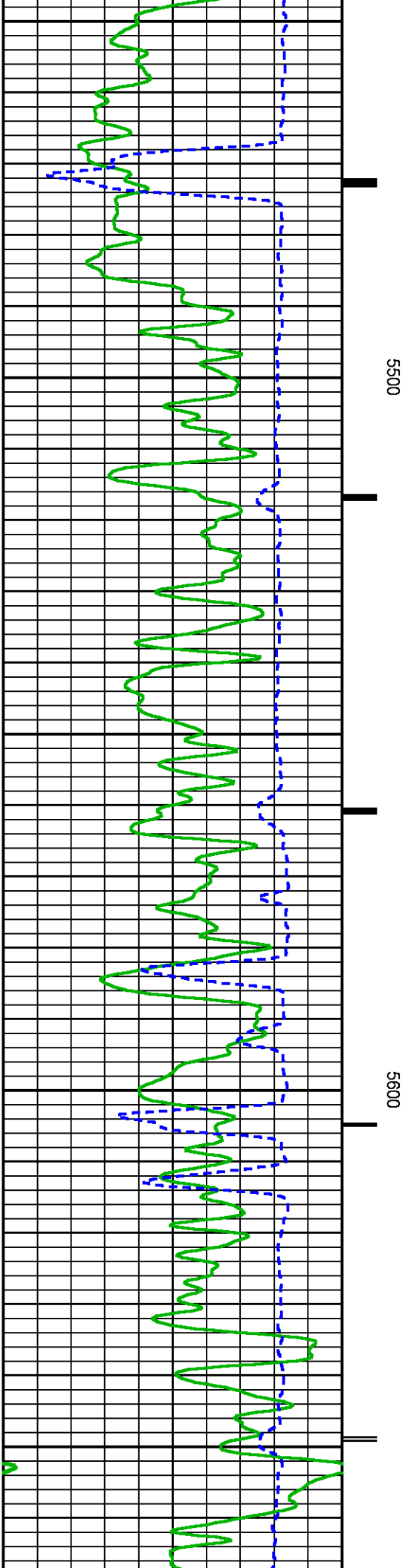
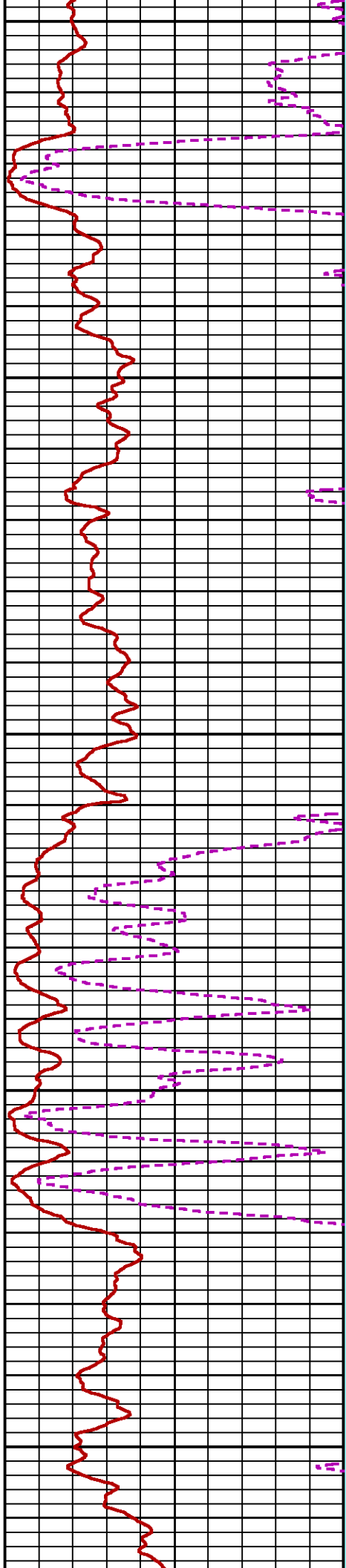
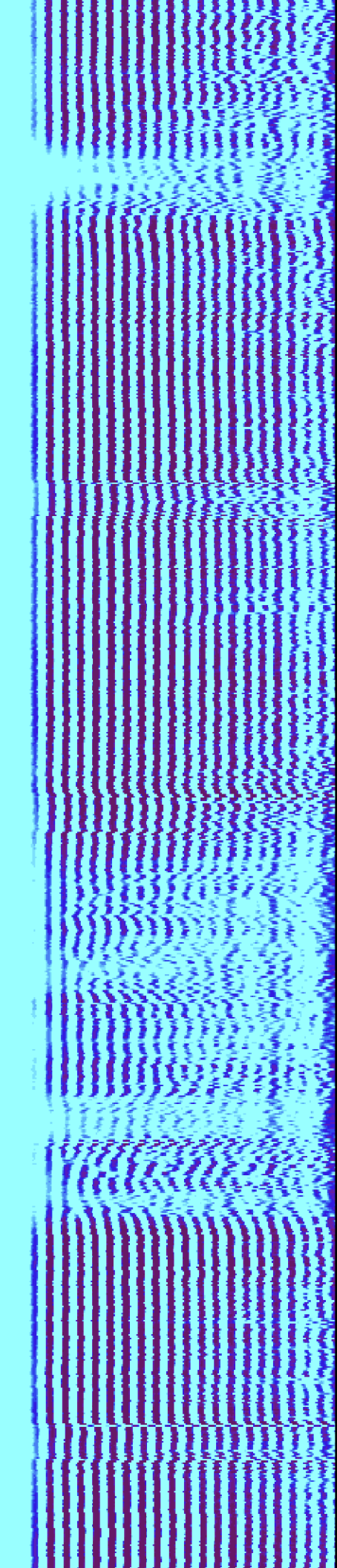


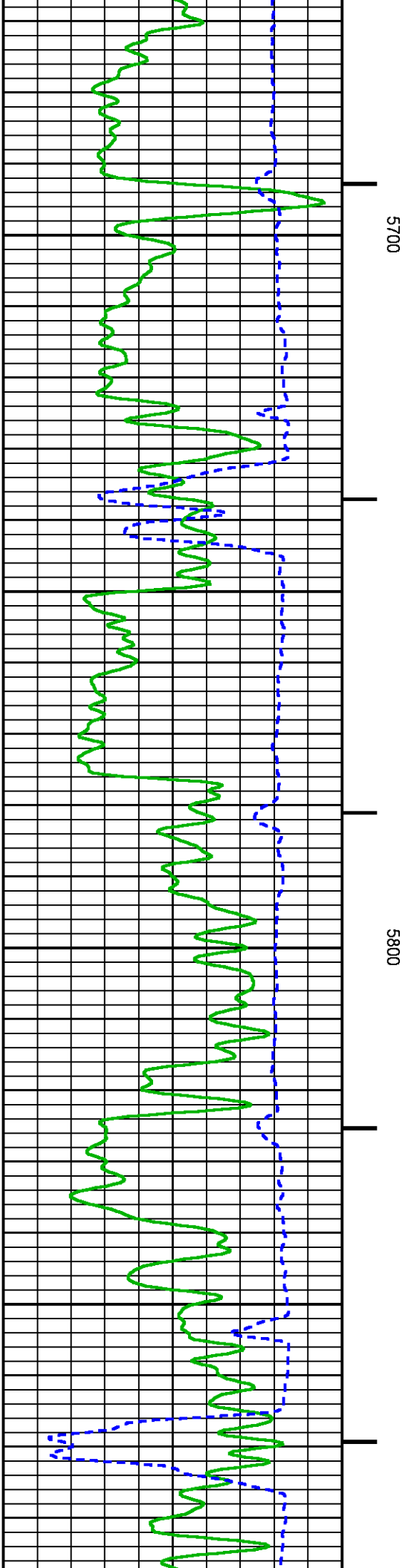
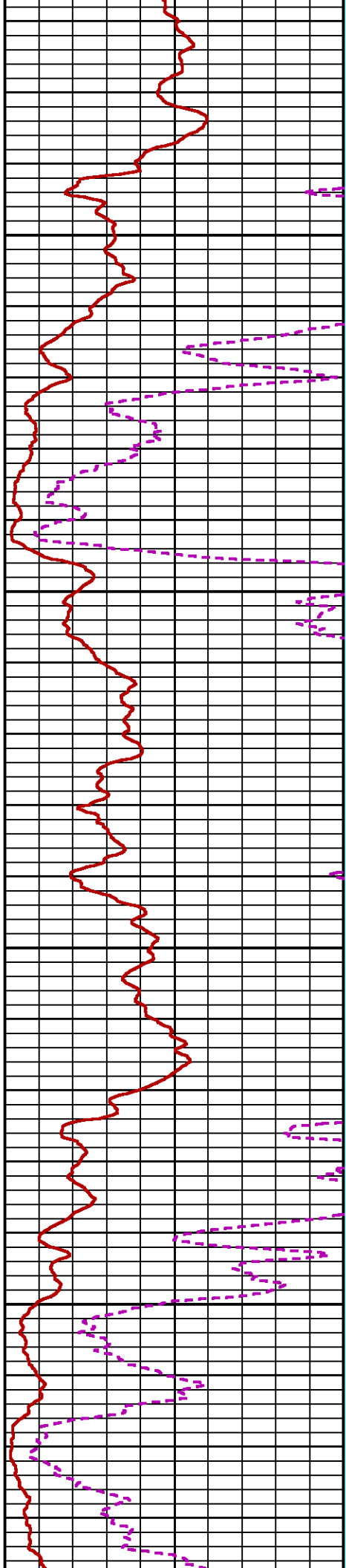
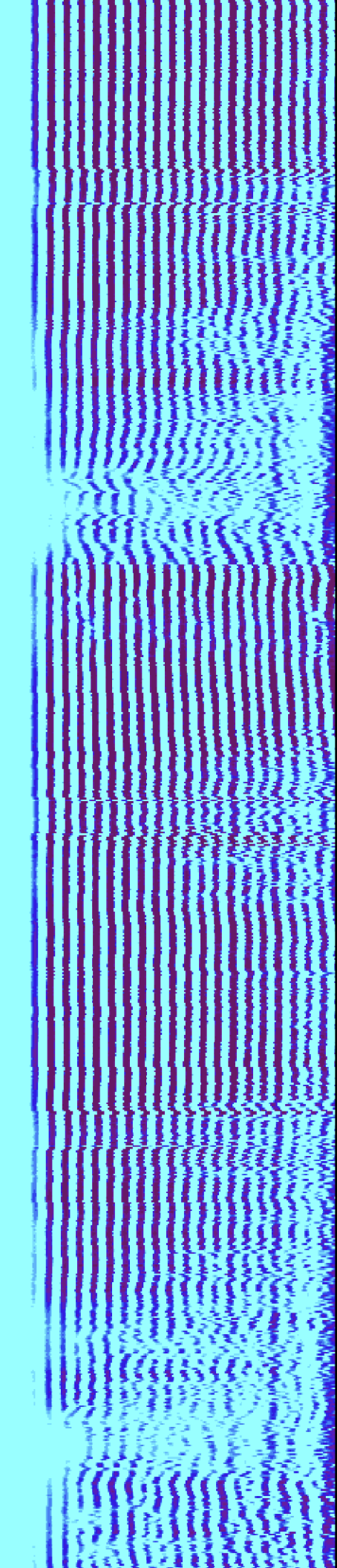


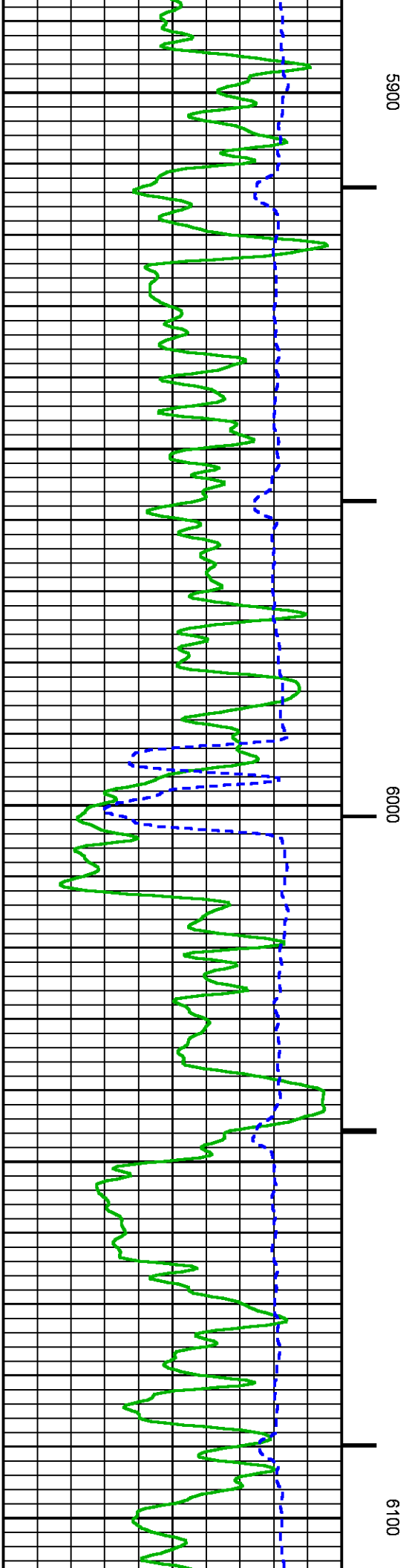
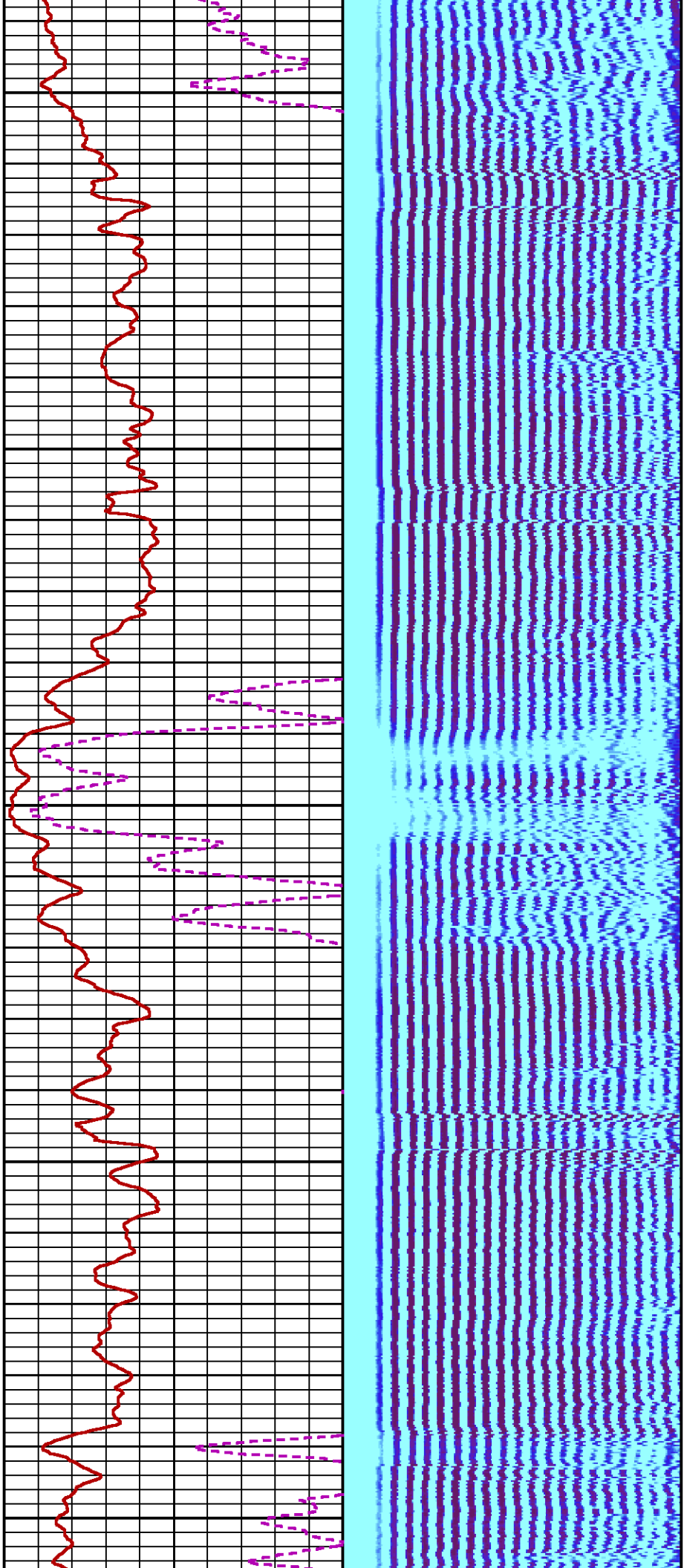
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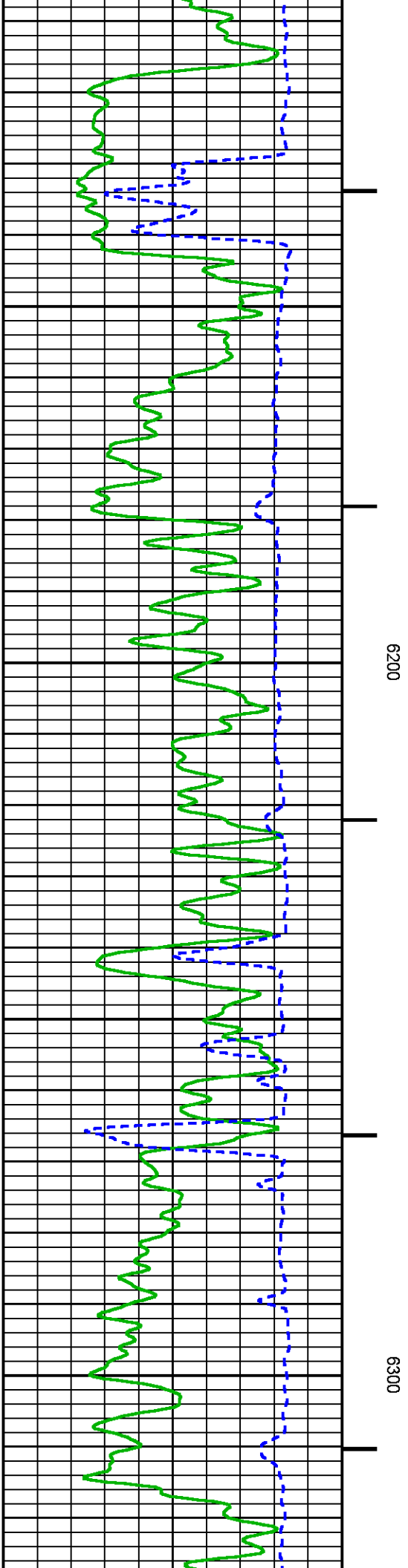
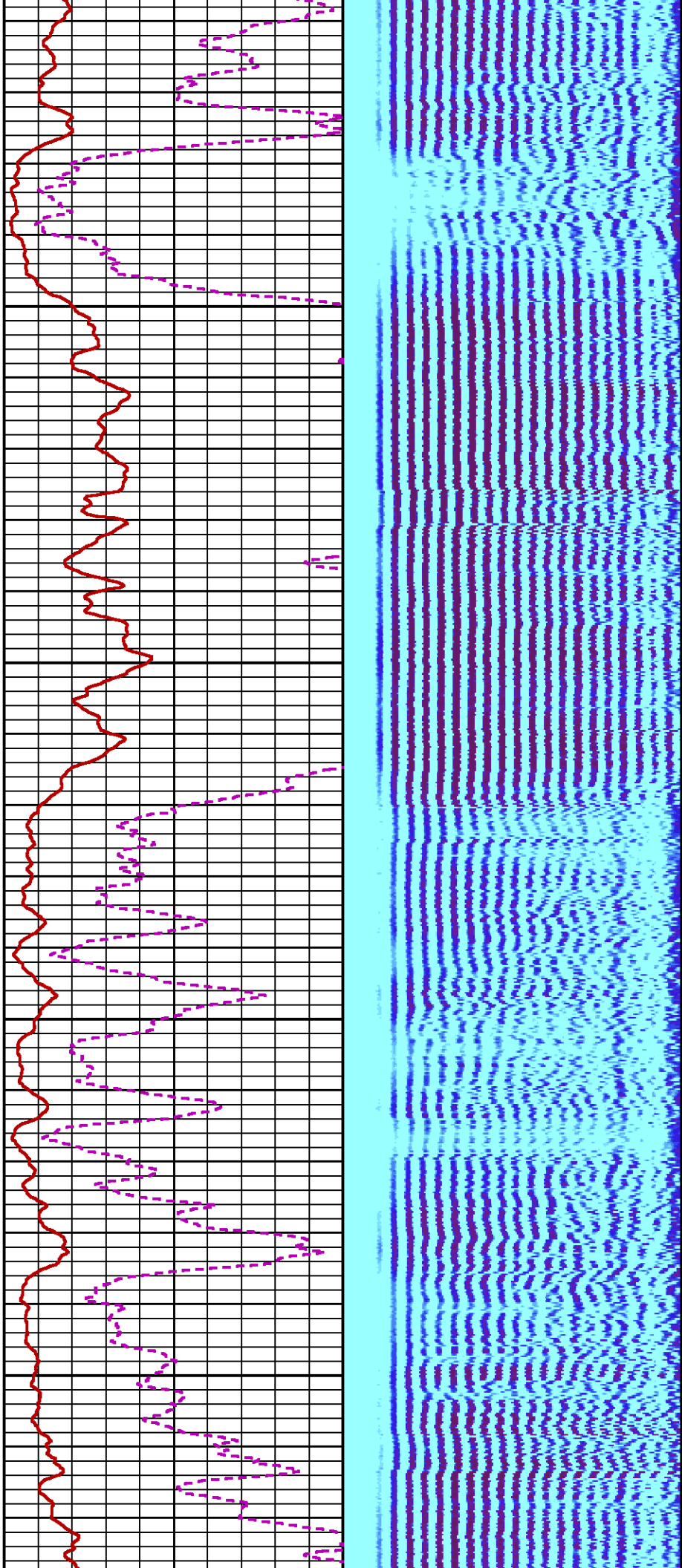
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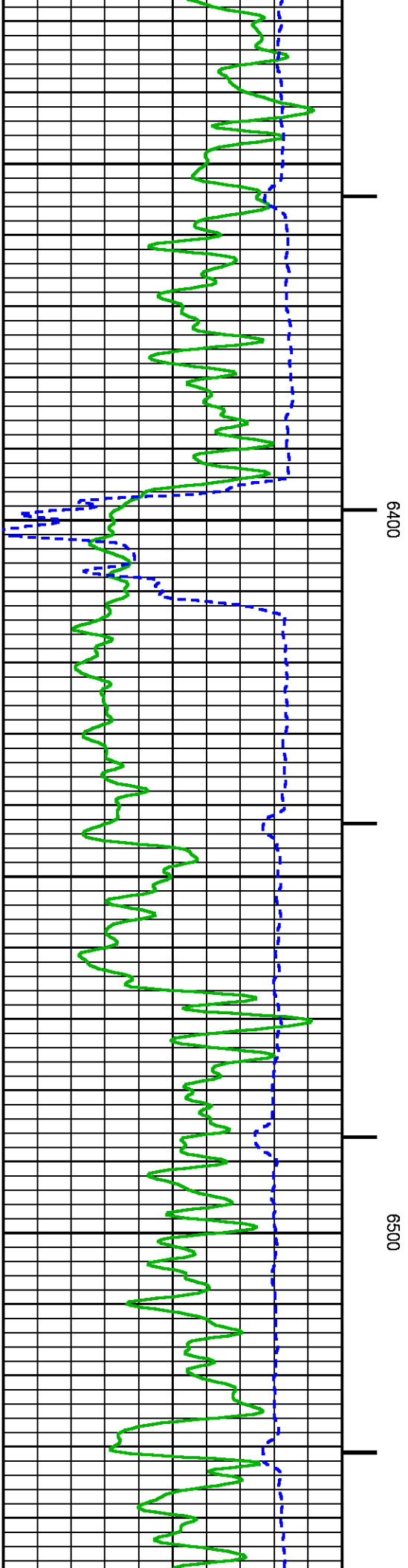
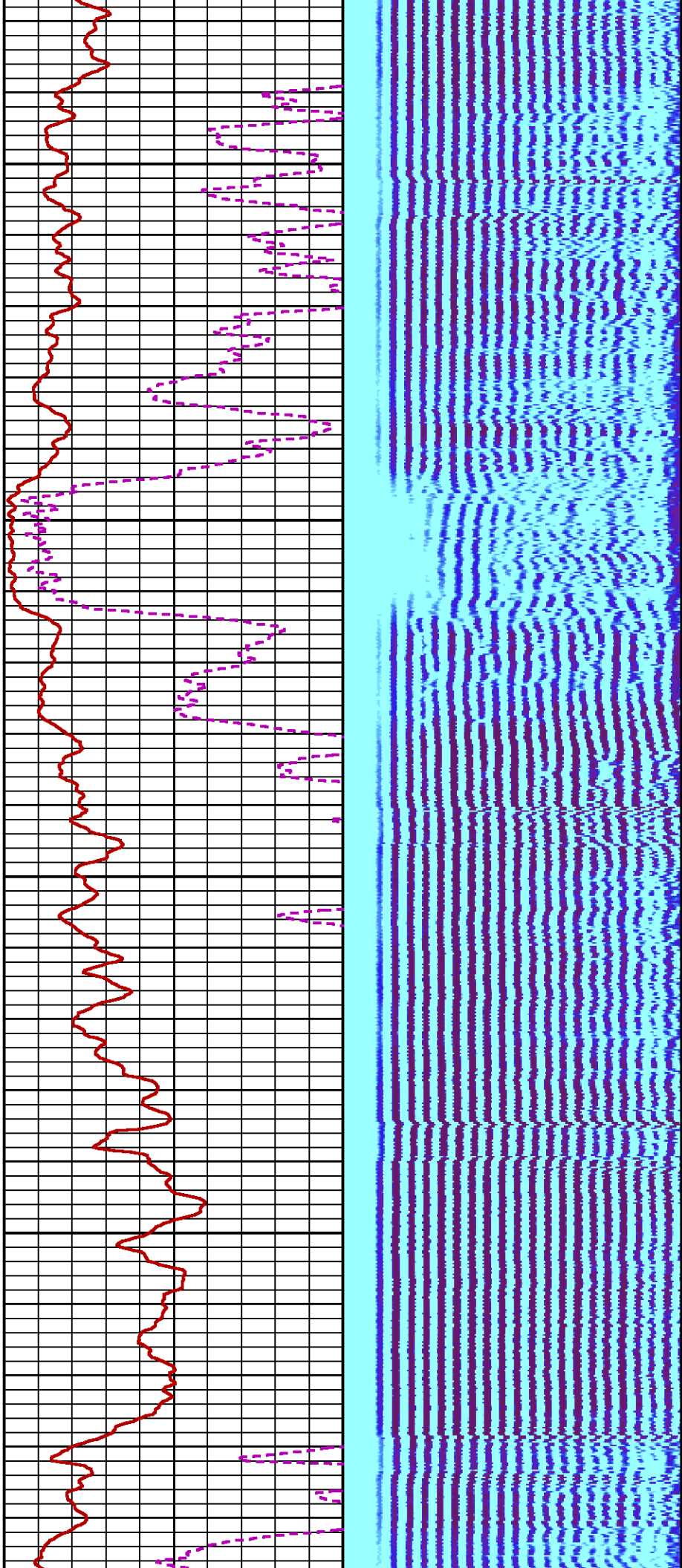


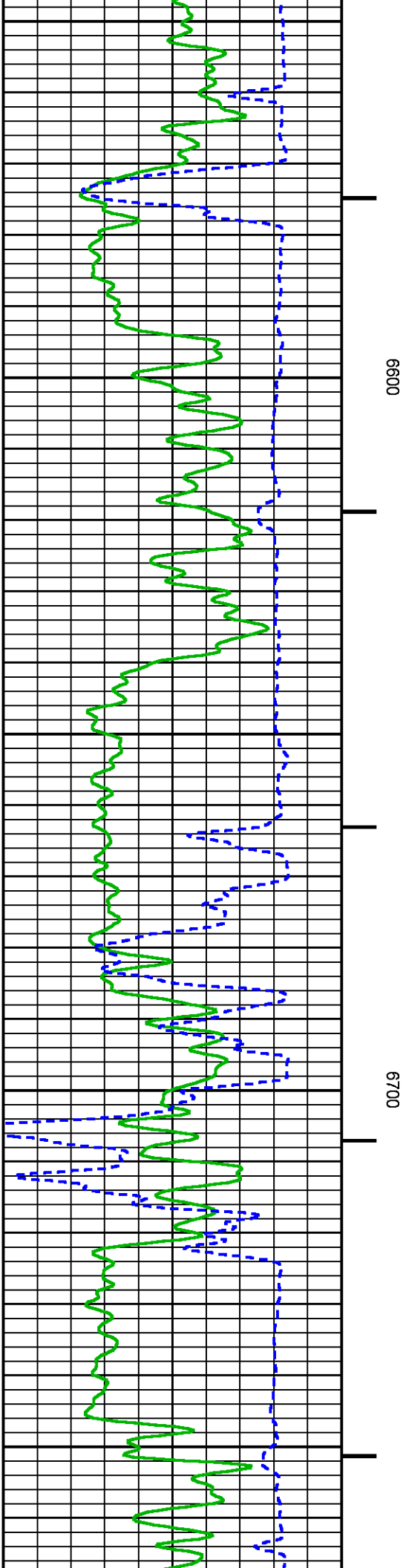
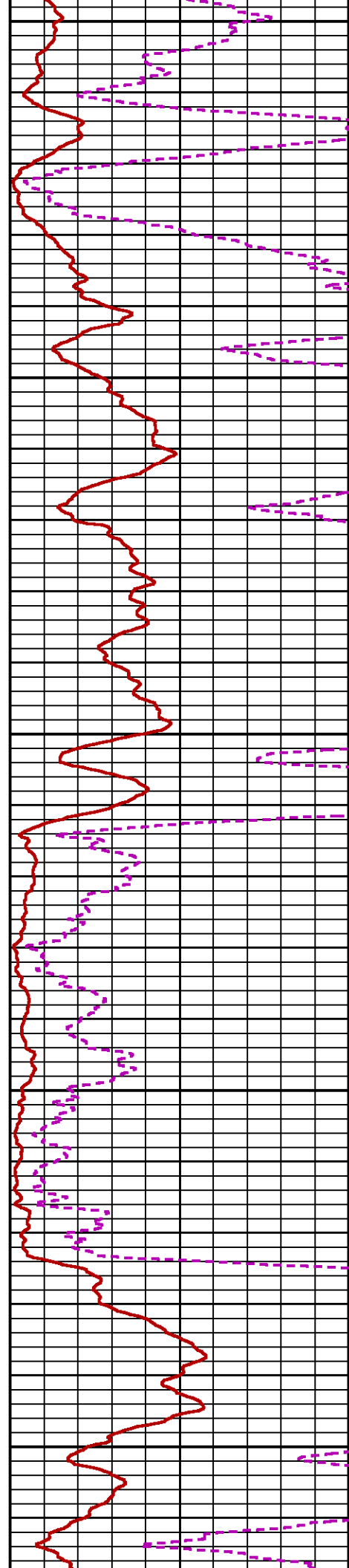
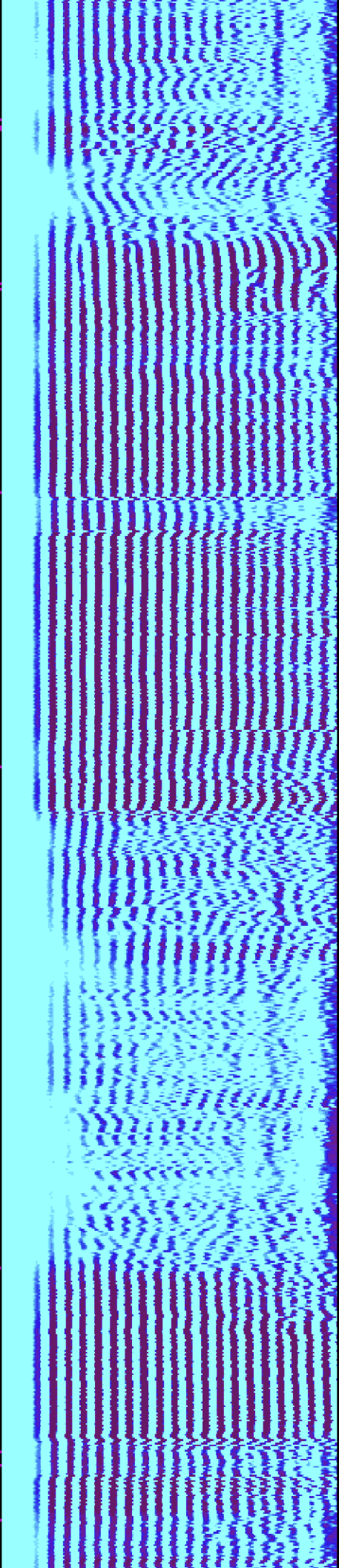


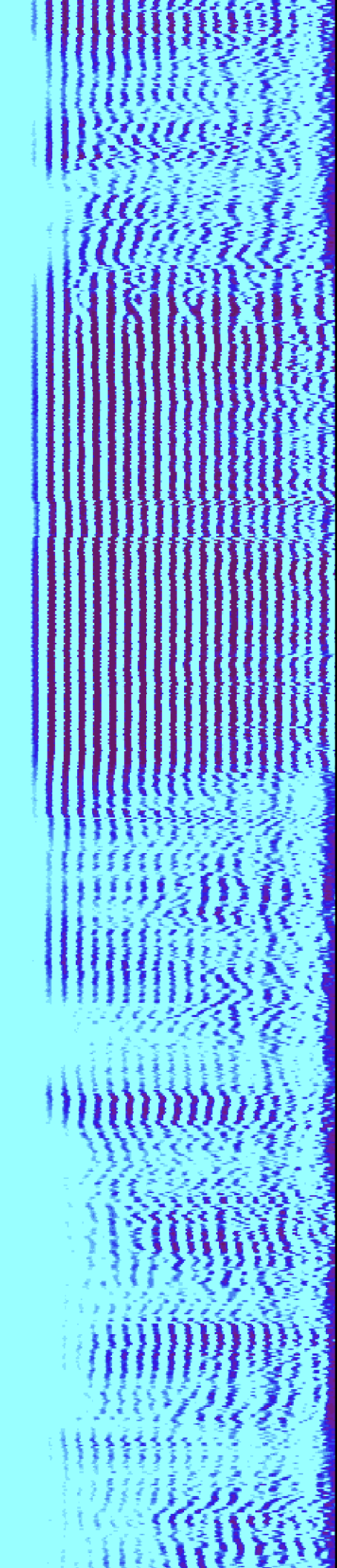
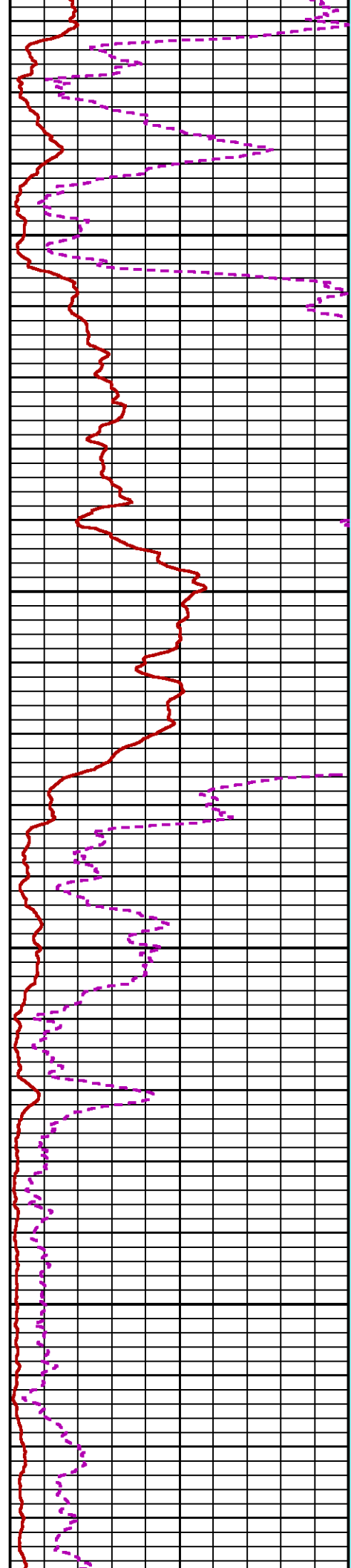
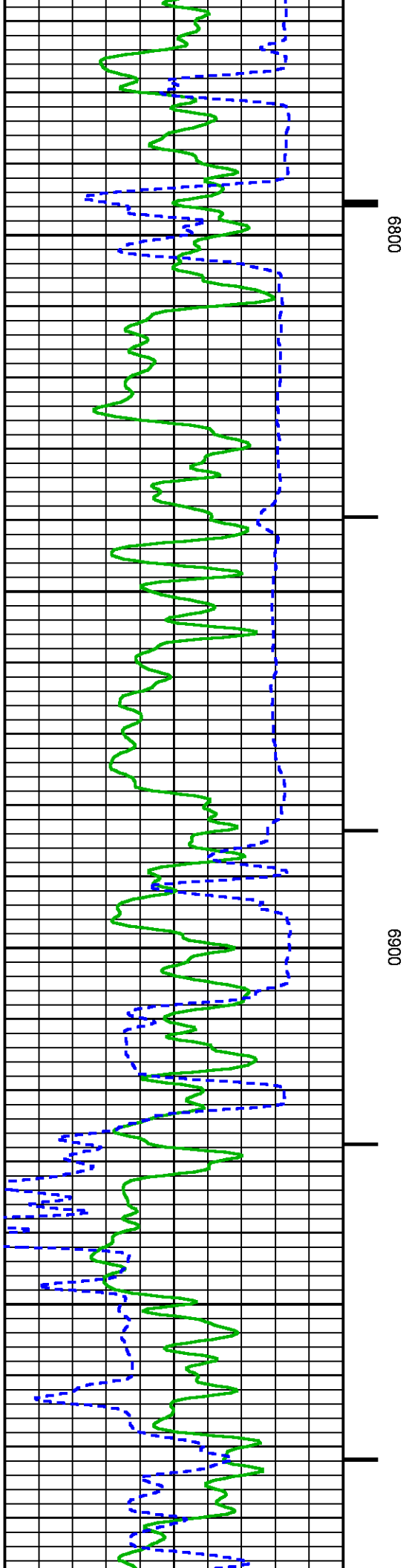


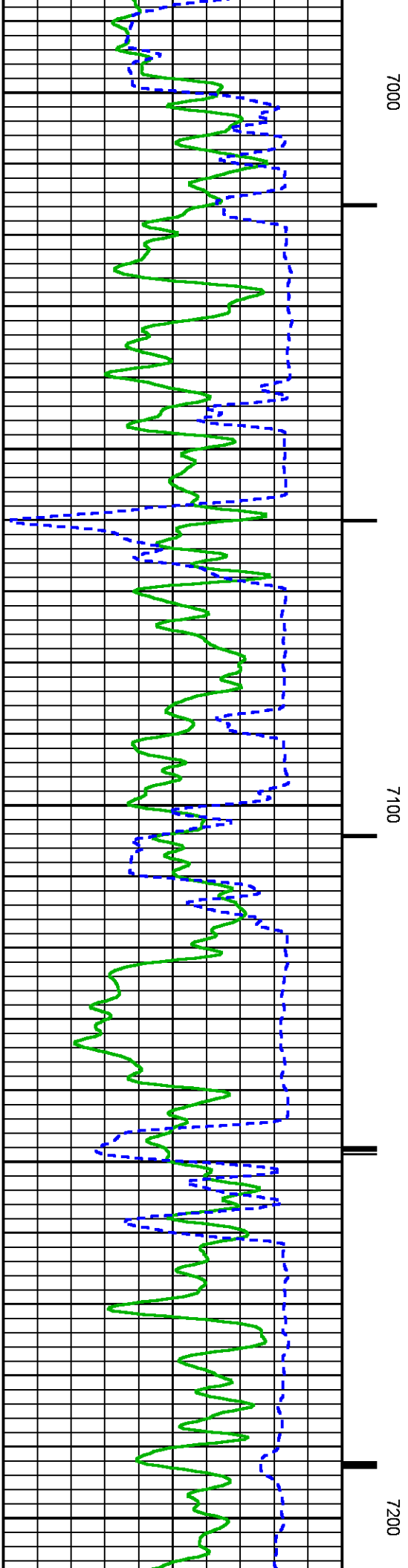
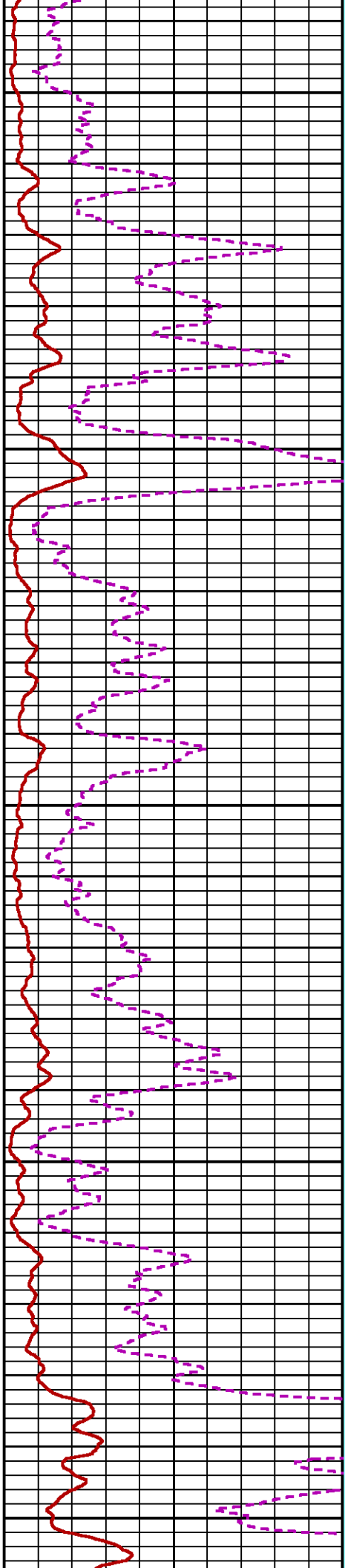
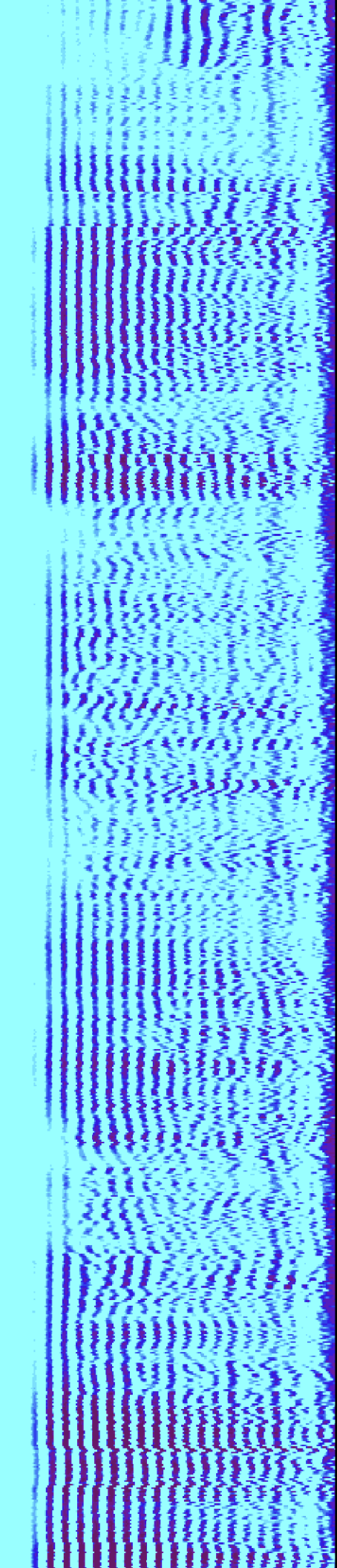


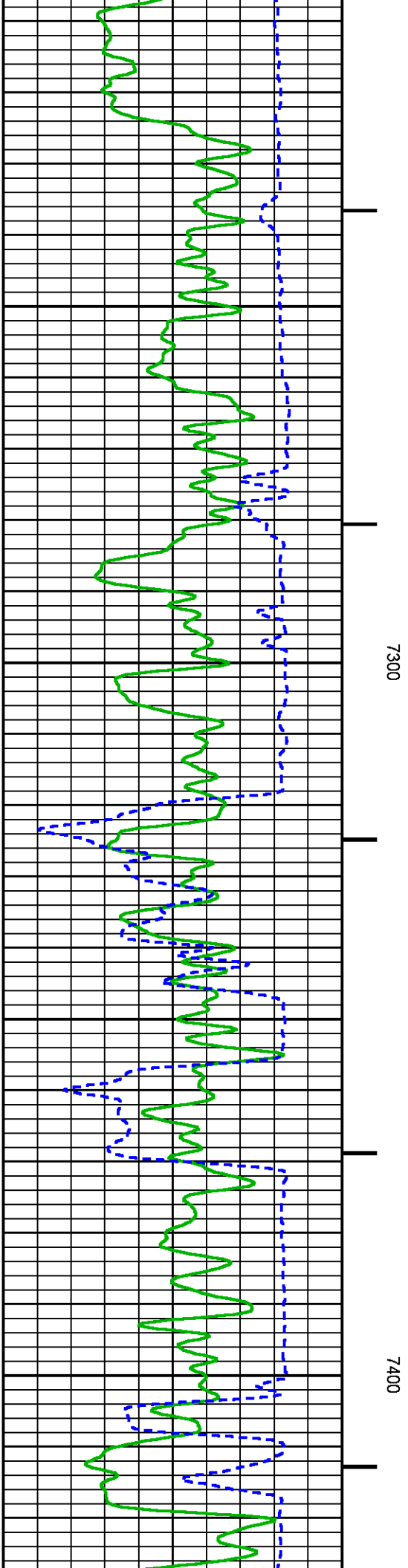
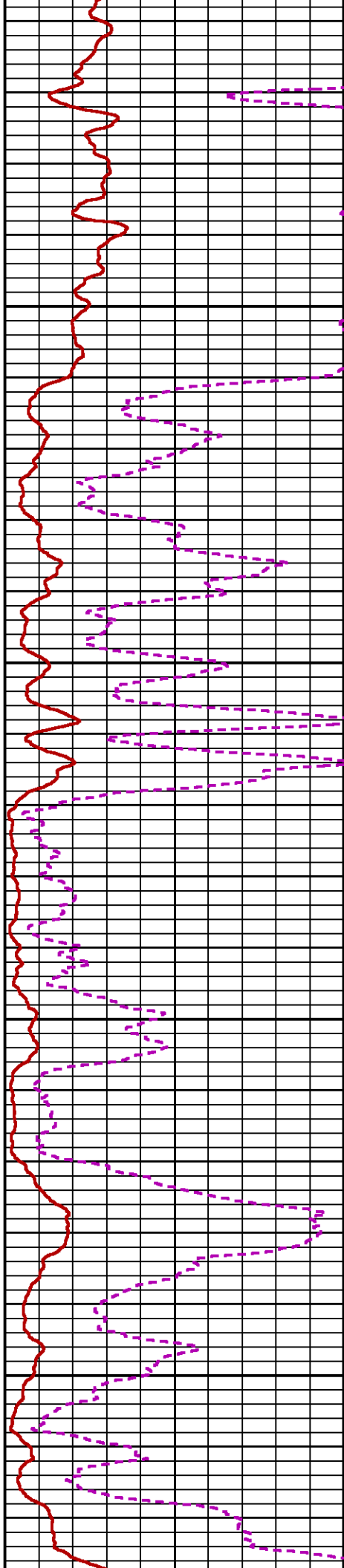
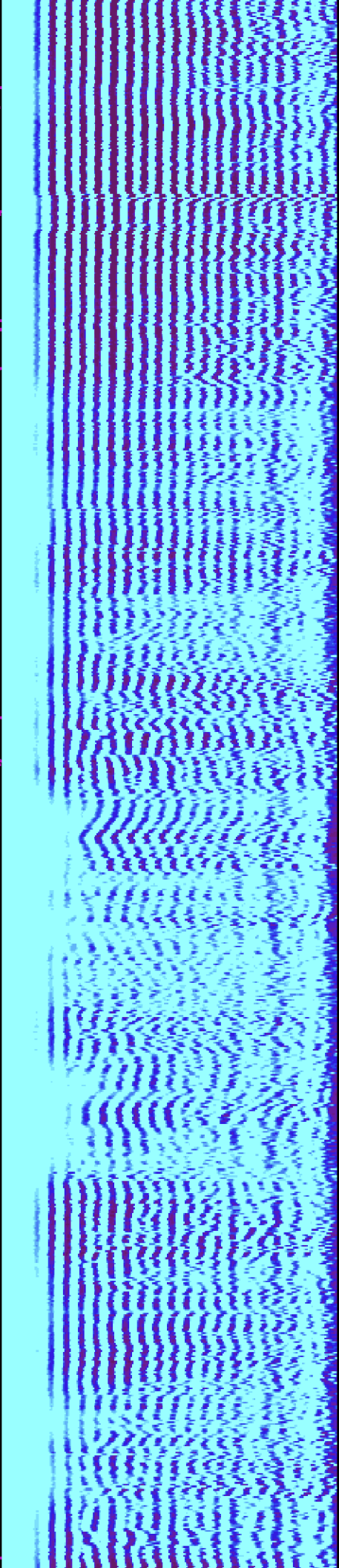


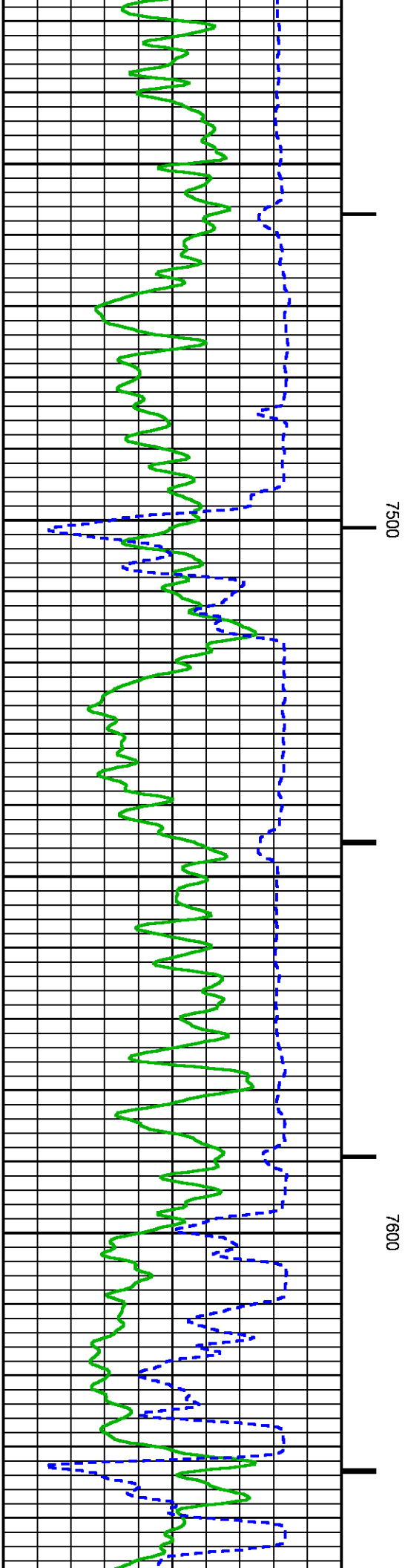
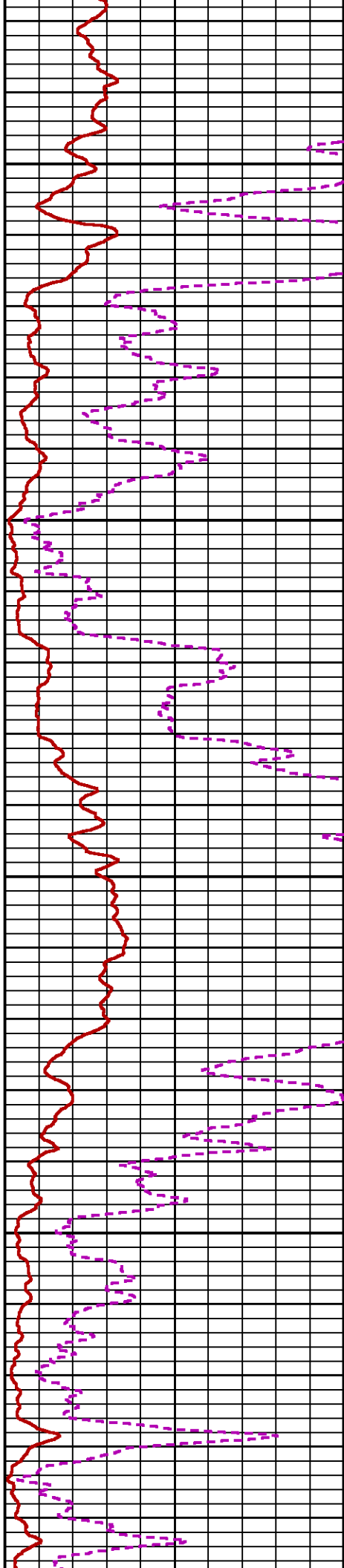
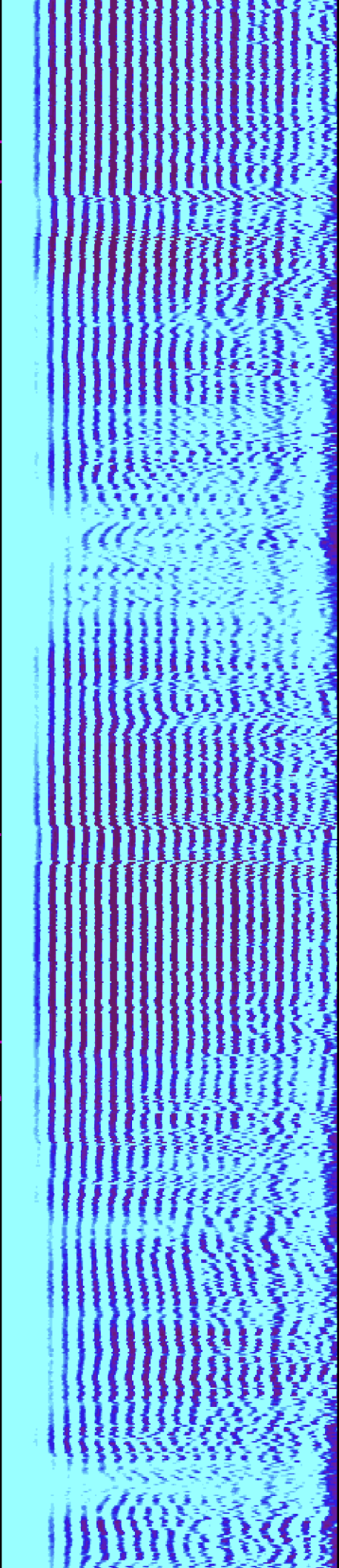


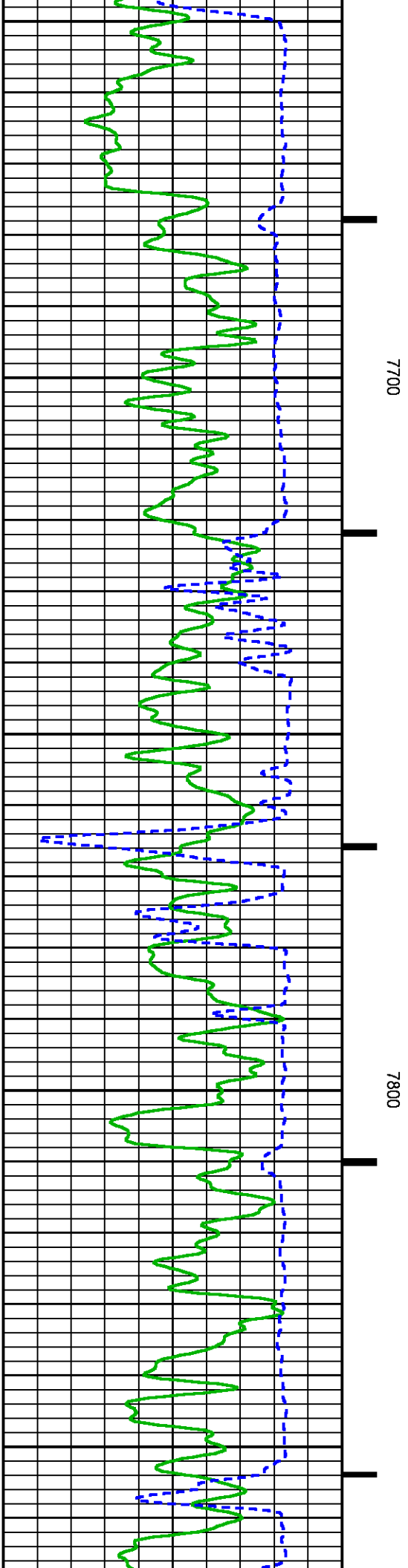
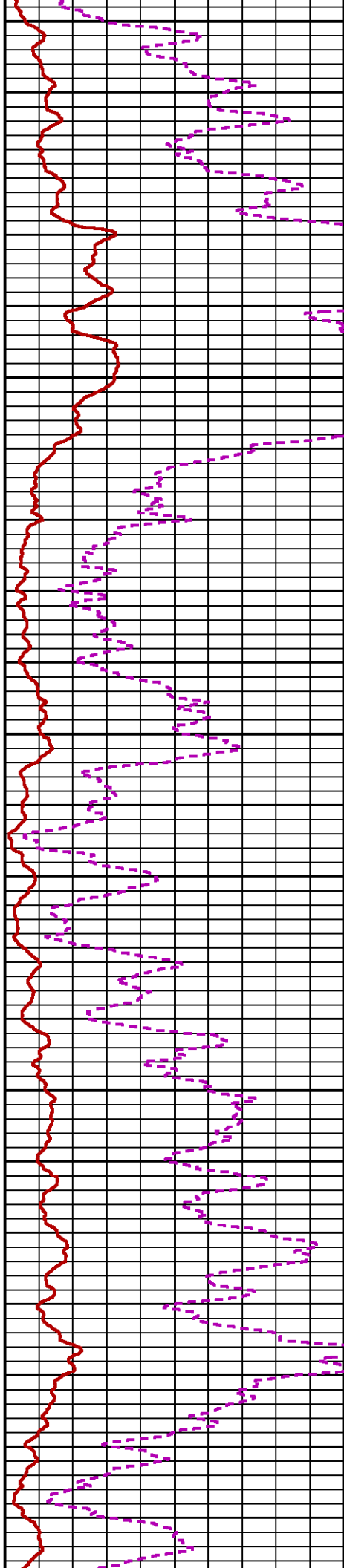
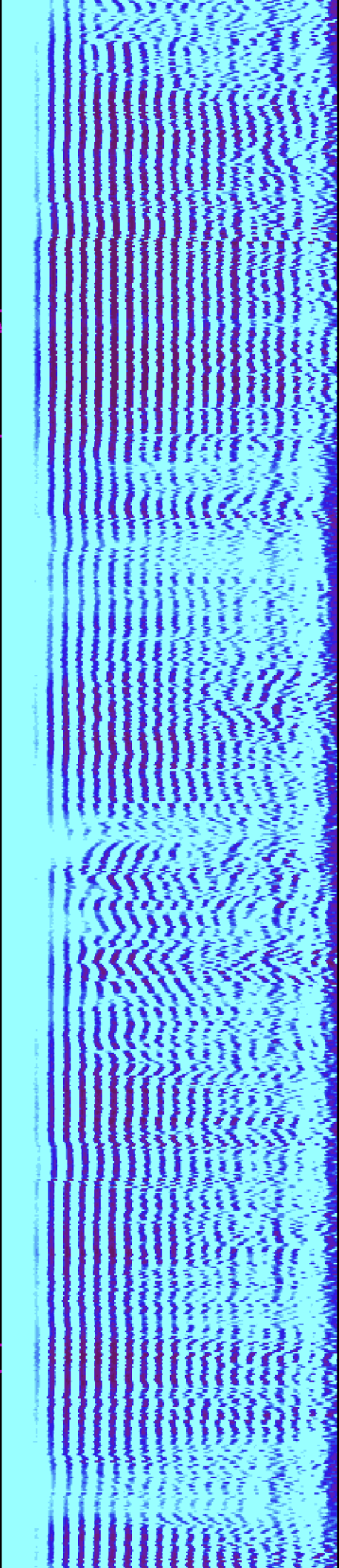


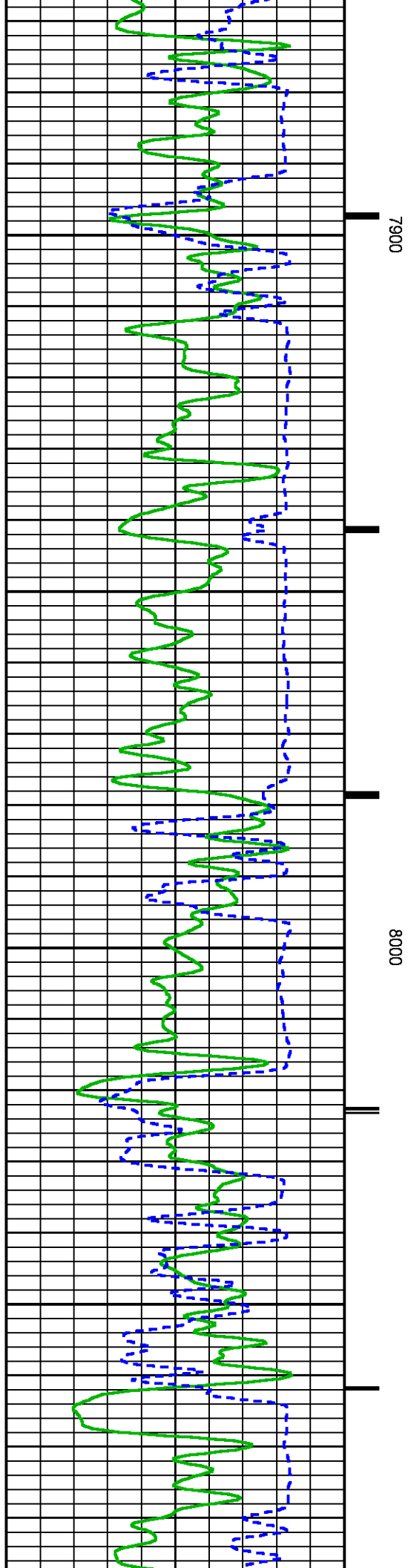
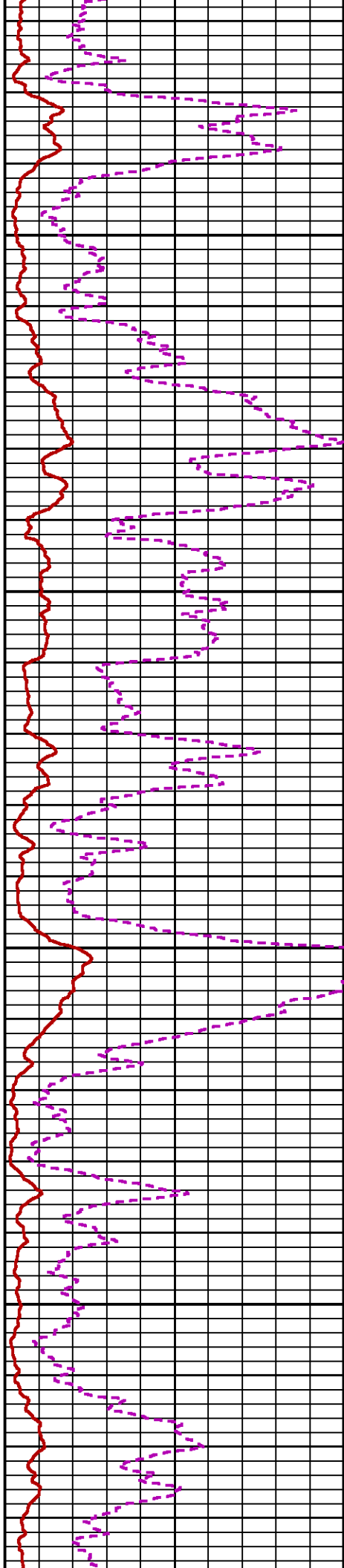
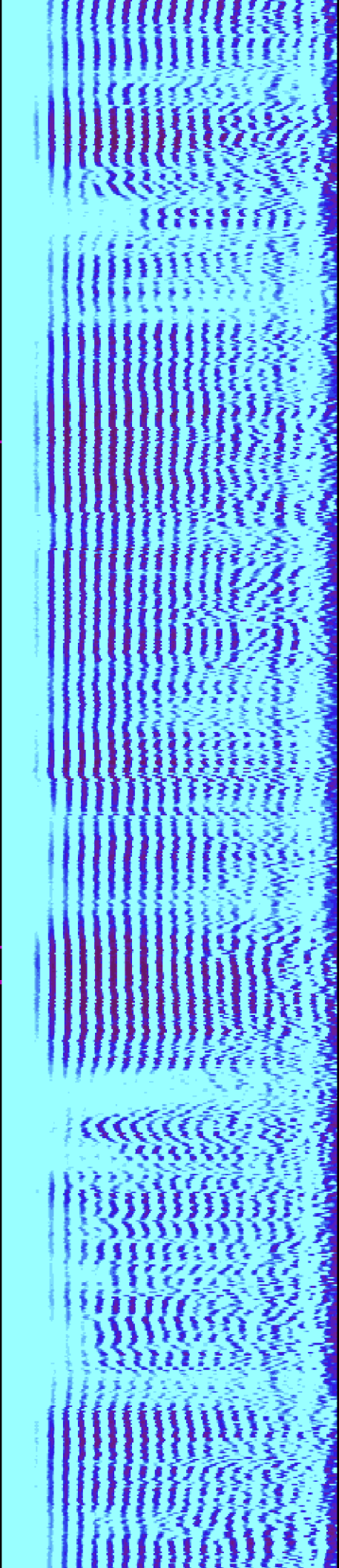


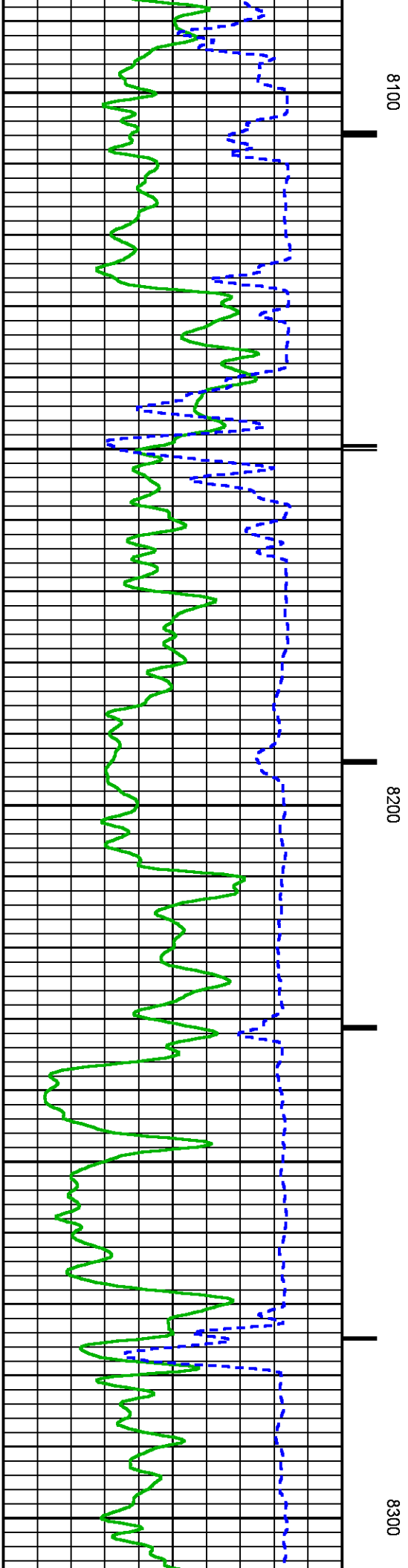
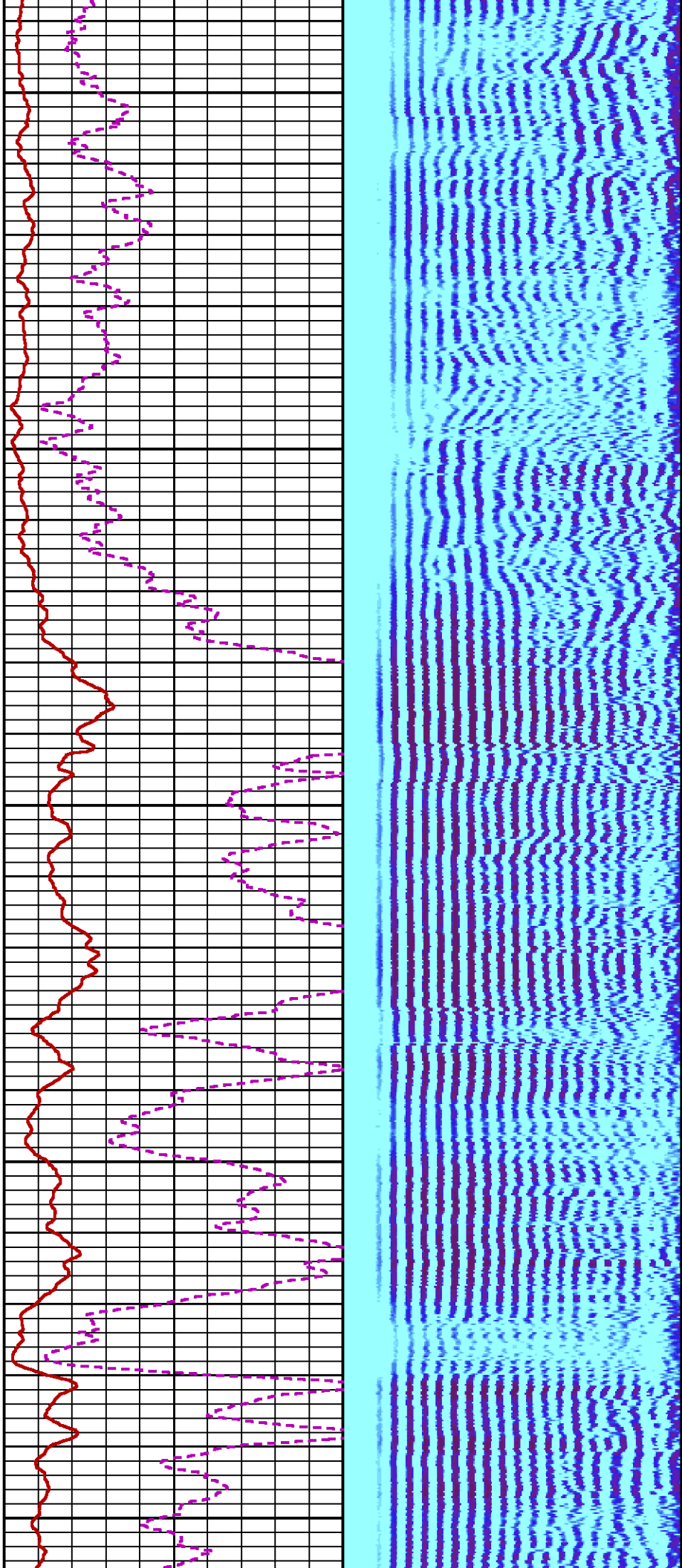


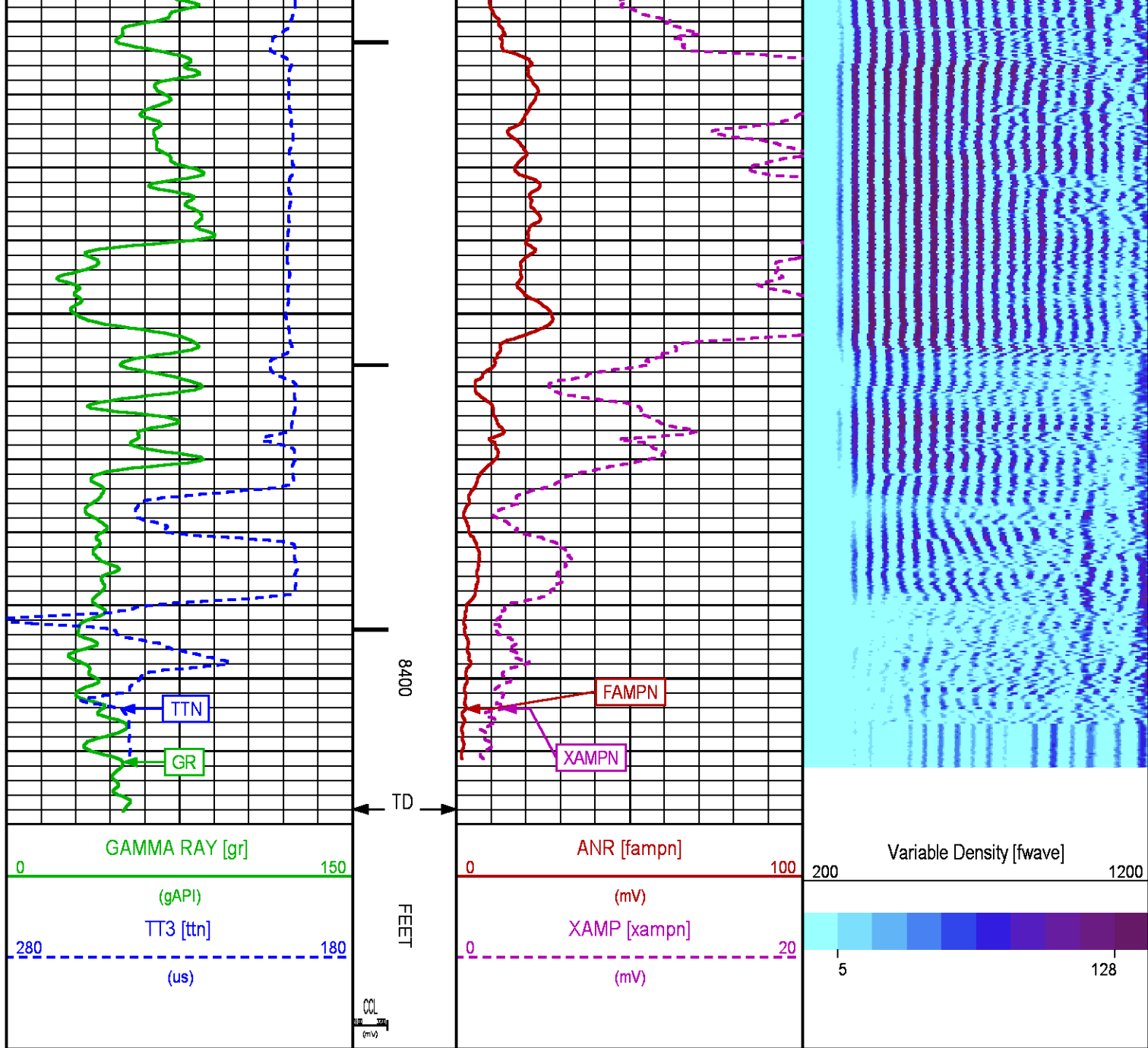












SECONDARY PRESENTATION 0 PSI

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

Updates: 1 Patches: 4

Plotted: Fri Jan 9 16:24:02 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH093867/n012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 40.250 ft BOTTOM DEPTH: 8434.042 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (%)
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MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1) light (2a)		TOP 480.250	480.250 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 (fgp1*)	185	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	185	us	"	"
	AMP WINDOW START (fgp3*)	185	us	"	"
	AMP WINDOW START (fgp4*)	185	us	"	"
	AMP WINDOW START (fgp5*)	185	us	"	"
	AMP WINDOW START (fgp6*)	185	us	"	"
	AMP WINDOW START (fgp7*)	185	us	"	"
	AMP WINDOW START (fgp8*)	185	us	"	"
	AMP WINDOW START (fgpn*)	185	us	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	140	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 9 08:44:15 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Jan 9 08:44:15 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 9 08:44:15 2015	FAR WAVE FORM

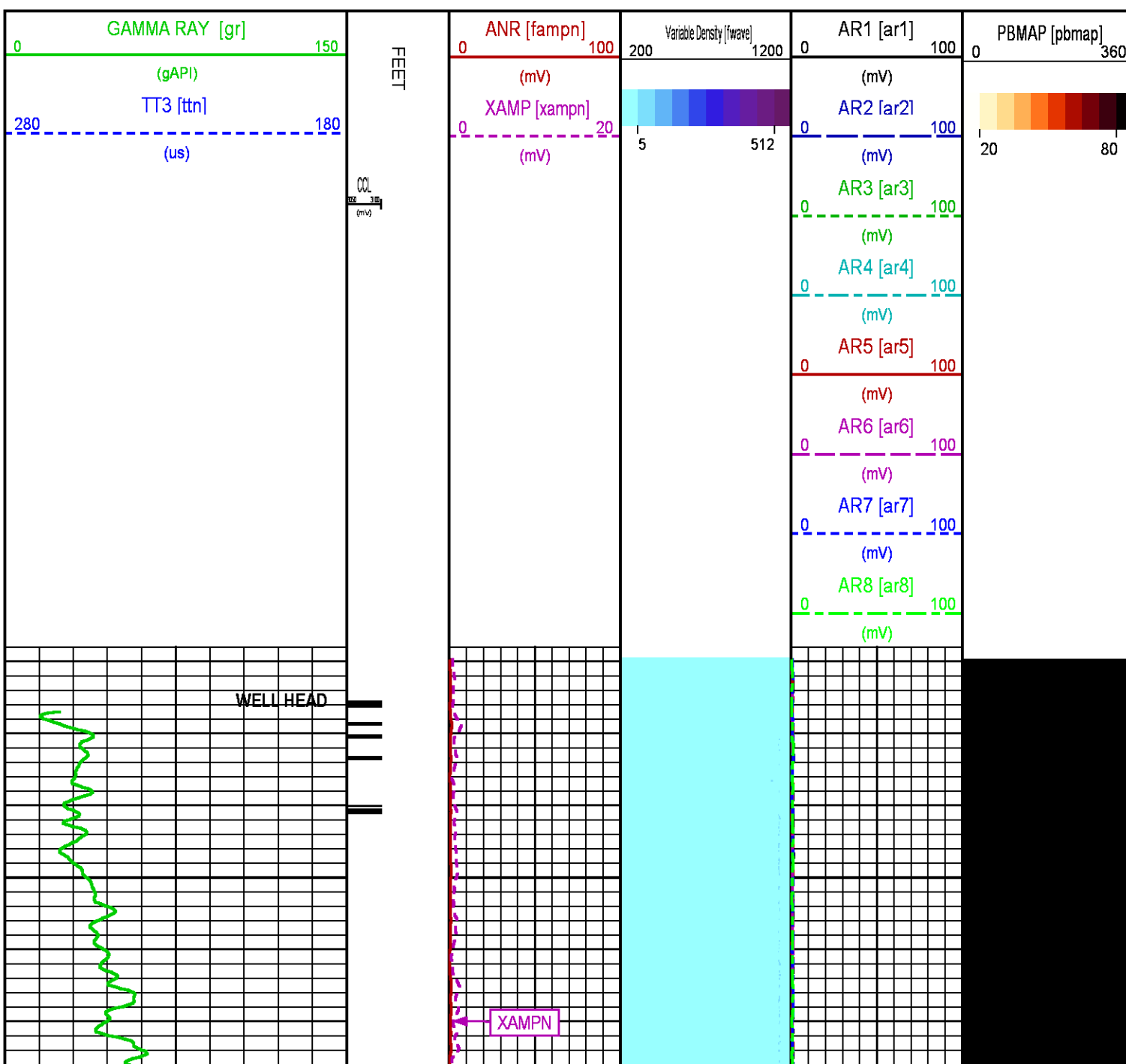
F1:GR	Jan 9 08:44:15 2015	GAMMA RAY
F1:PBMAP	Jan 9 08:44:15 2015	PERCENT BOND CEMENT MAP
F1:TTN	Jan 9 08:44:15 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 9 08:44:15 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

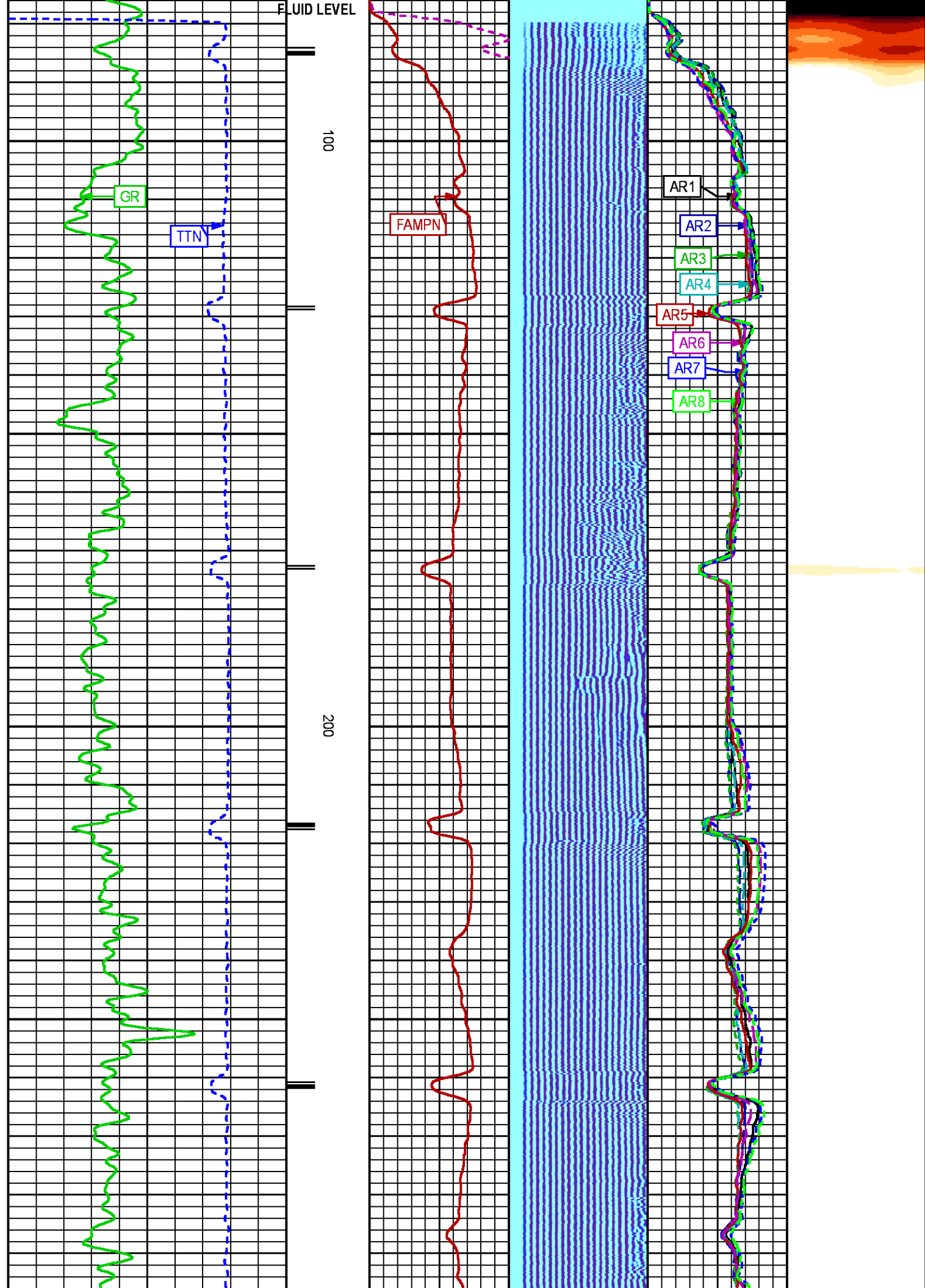
CURVE MEASURE POINT OFFSET

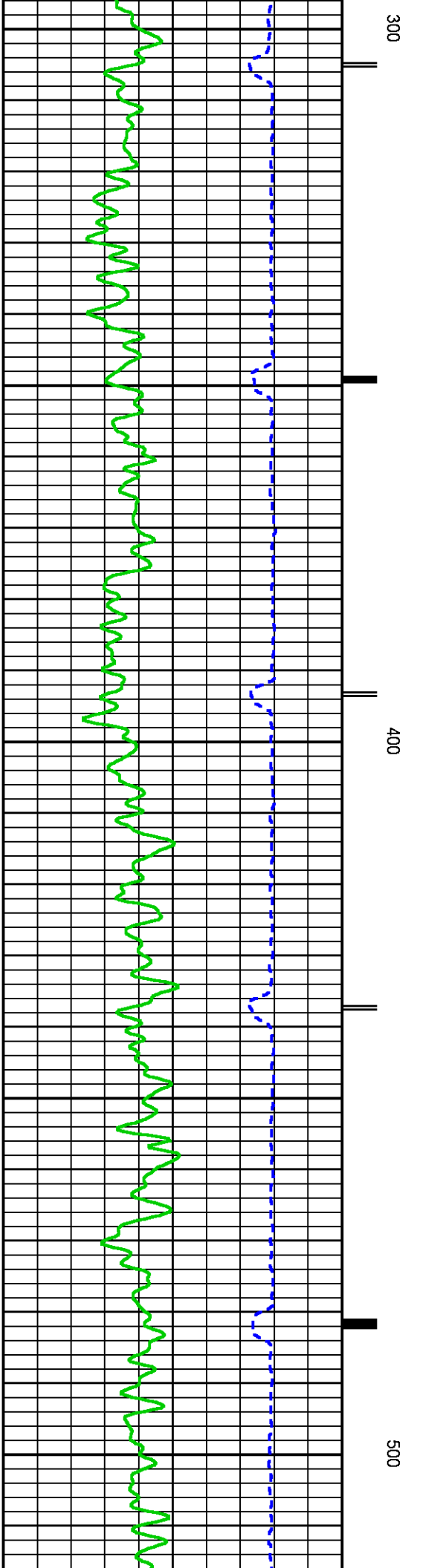
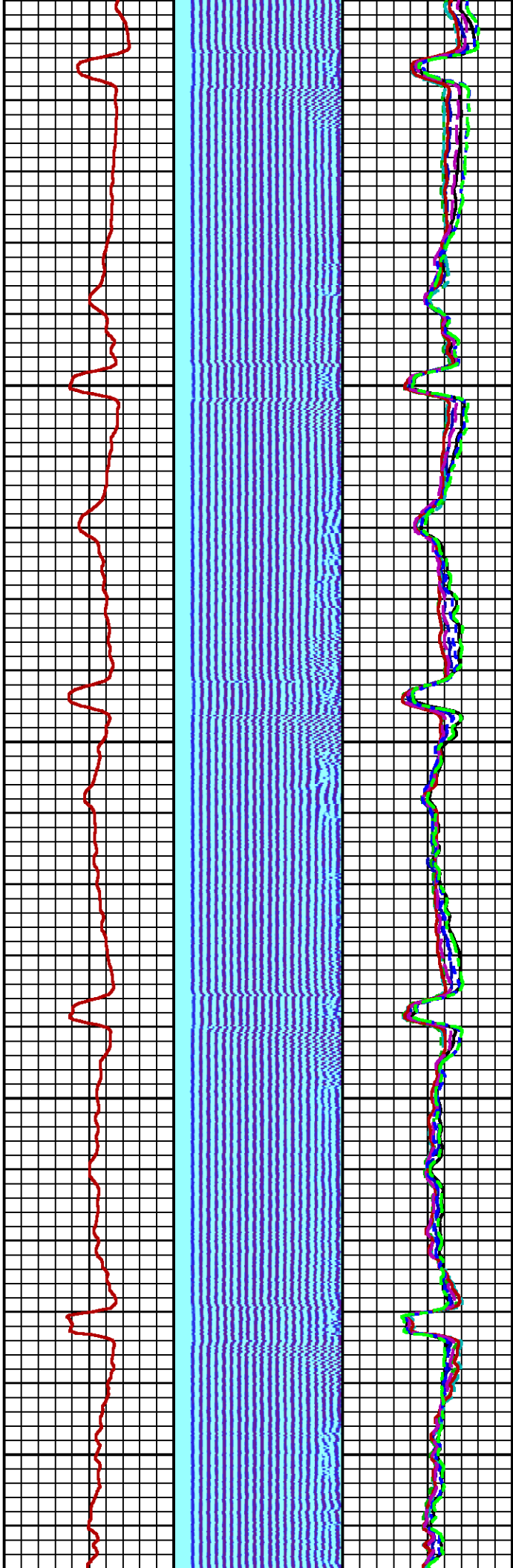
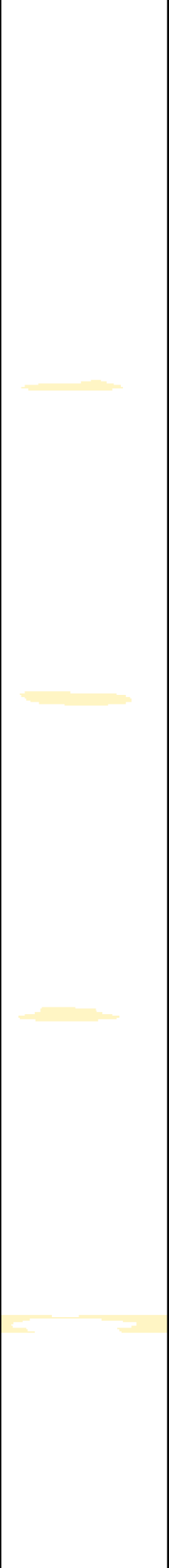
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	13.75	AR5	13.75	CCL	8.50	XAMPN	13.75
AR2	13.75	AR6	13.75	FAMPN	13.75		
AR3	13.75	AR7	13.75	GR	6.50		
AR4	13.75	AR8	13.75	TTN	13.75		

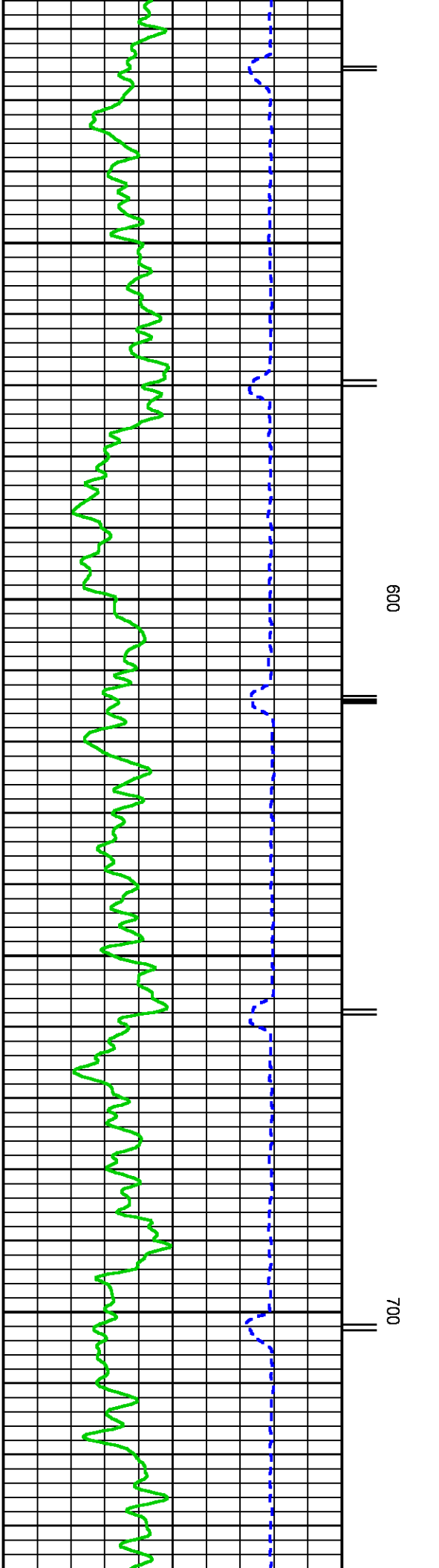
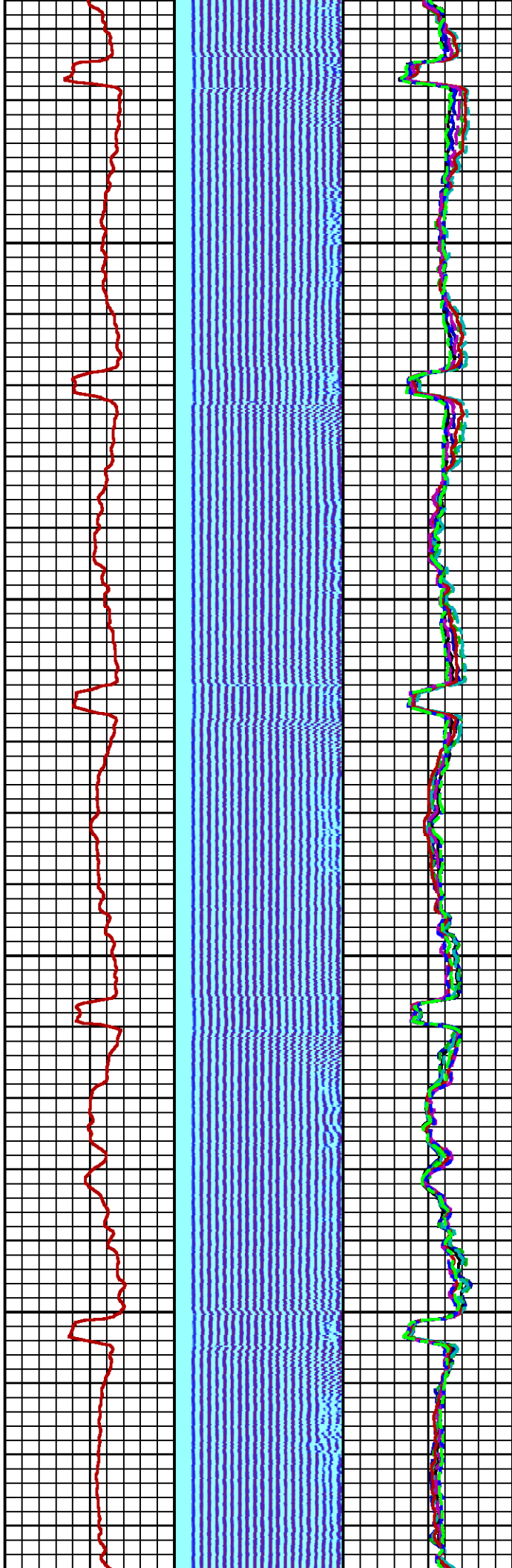
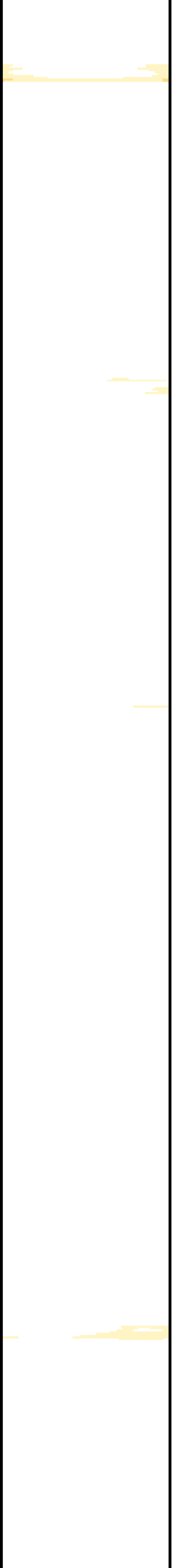
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Plot Interval : 19.5 - 8424.75 Feet

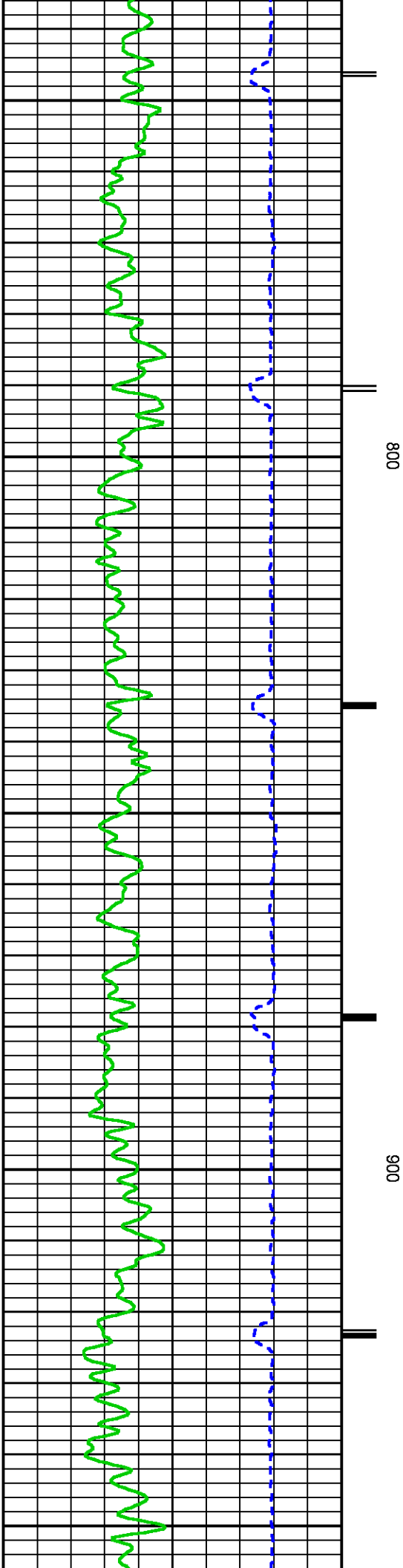
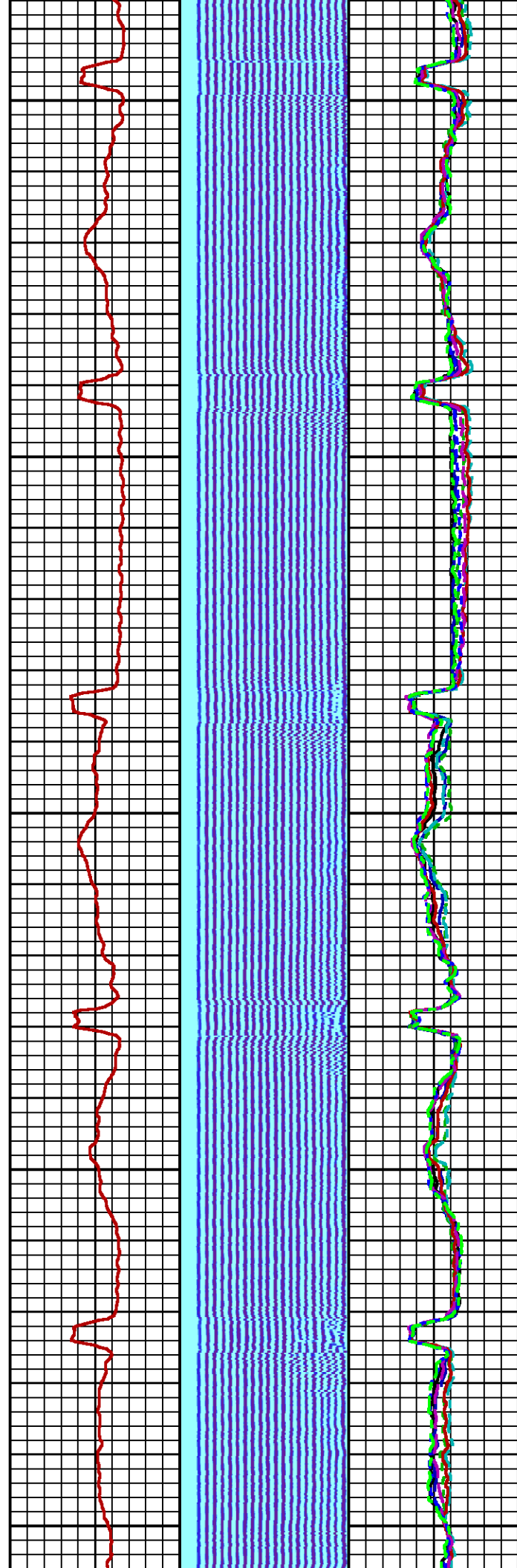
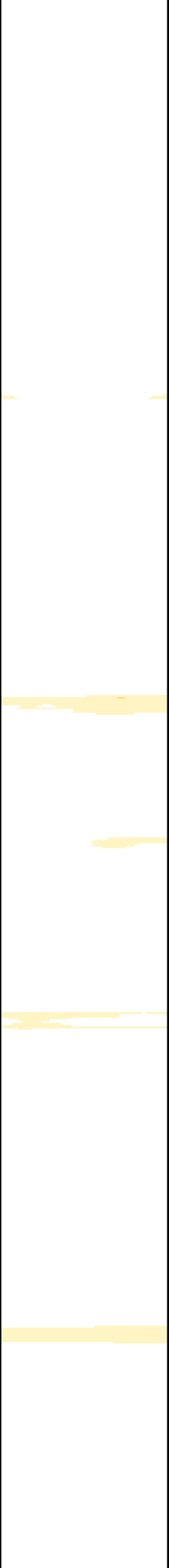
Data File 1 : F1 : HL6670:/dat1a/CH093867/RAL_MAIN.xtf
Created On : Jan 9 08:44:15 2015
Company : WPX ENERGY ROCKY MTN LLC
Well : FEDERAL PA 332-27
Field : PARACHUTE
File Interval : 18.5 - 8426 Feet
OCT : n012e

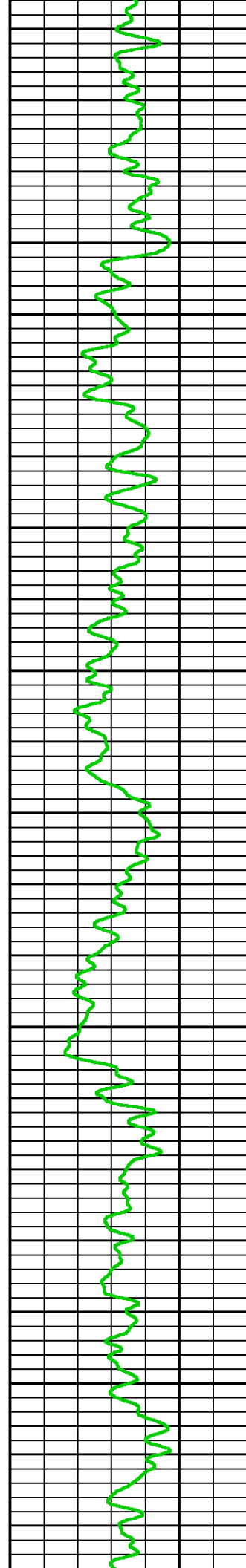
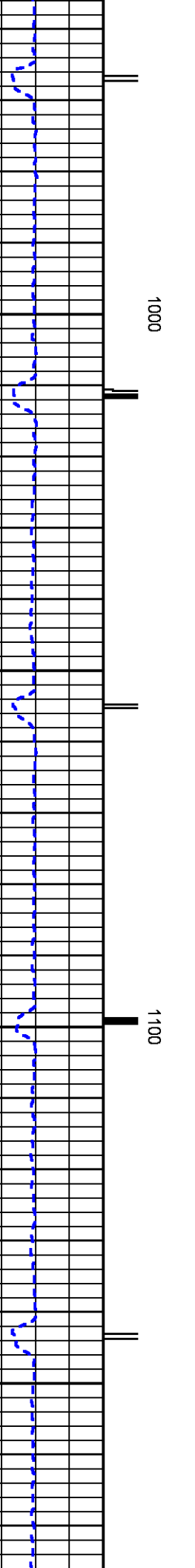
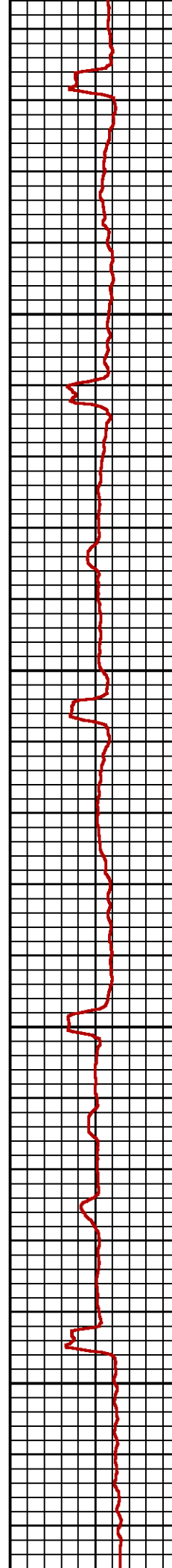
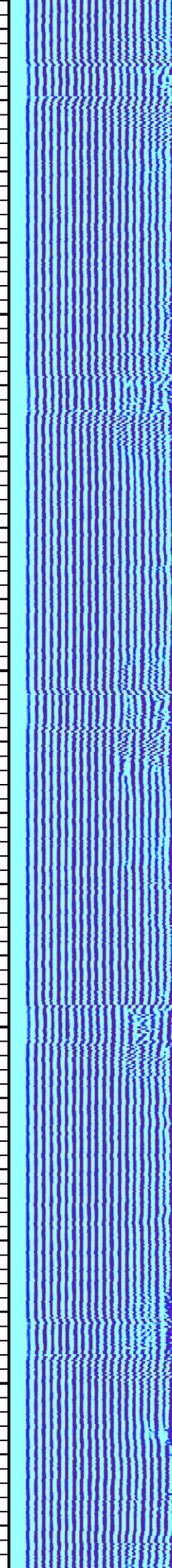
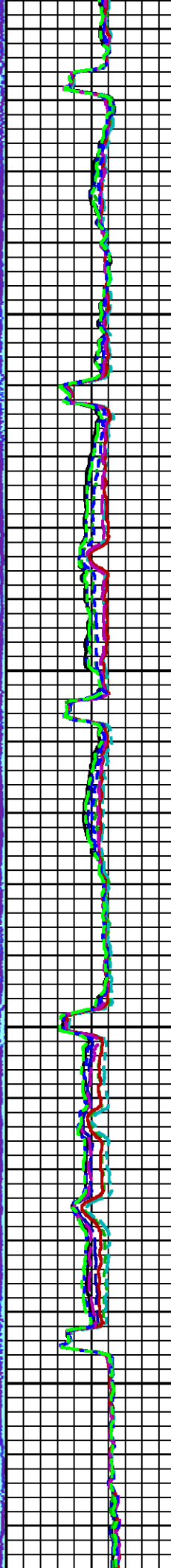
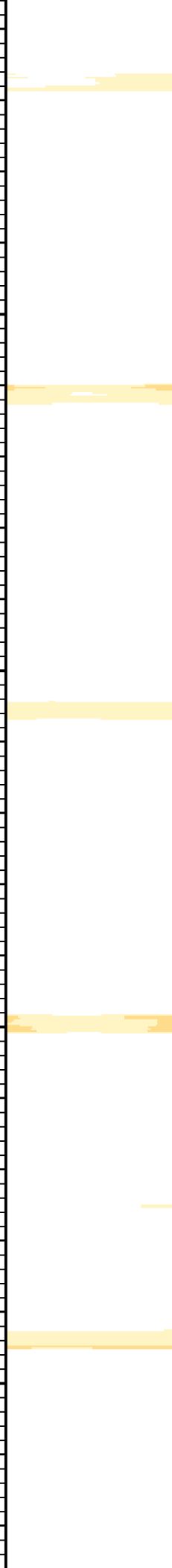


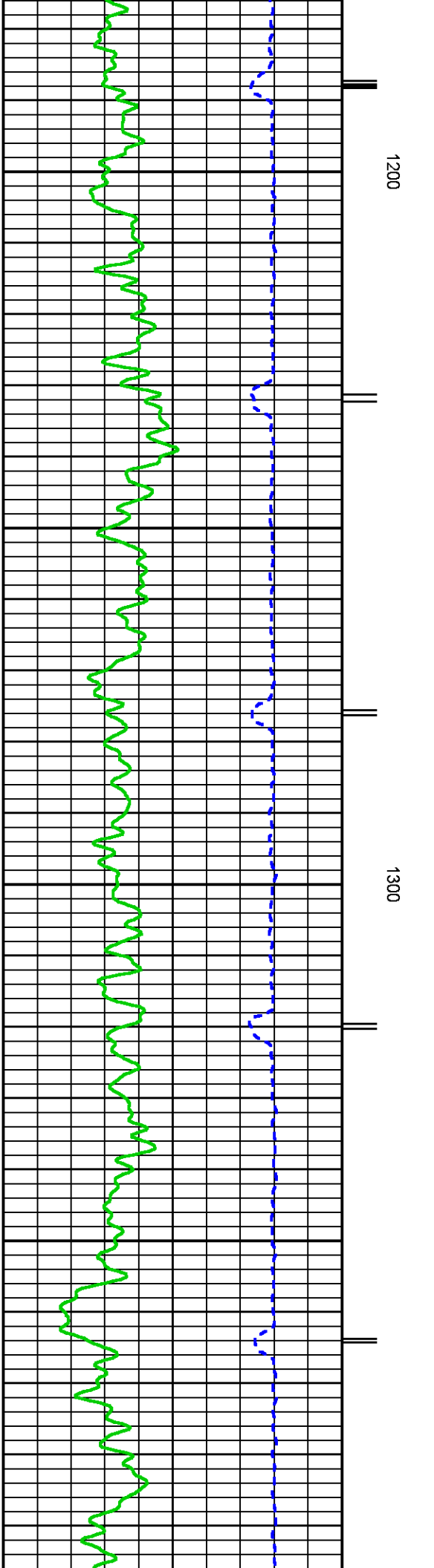
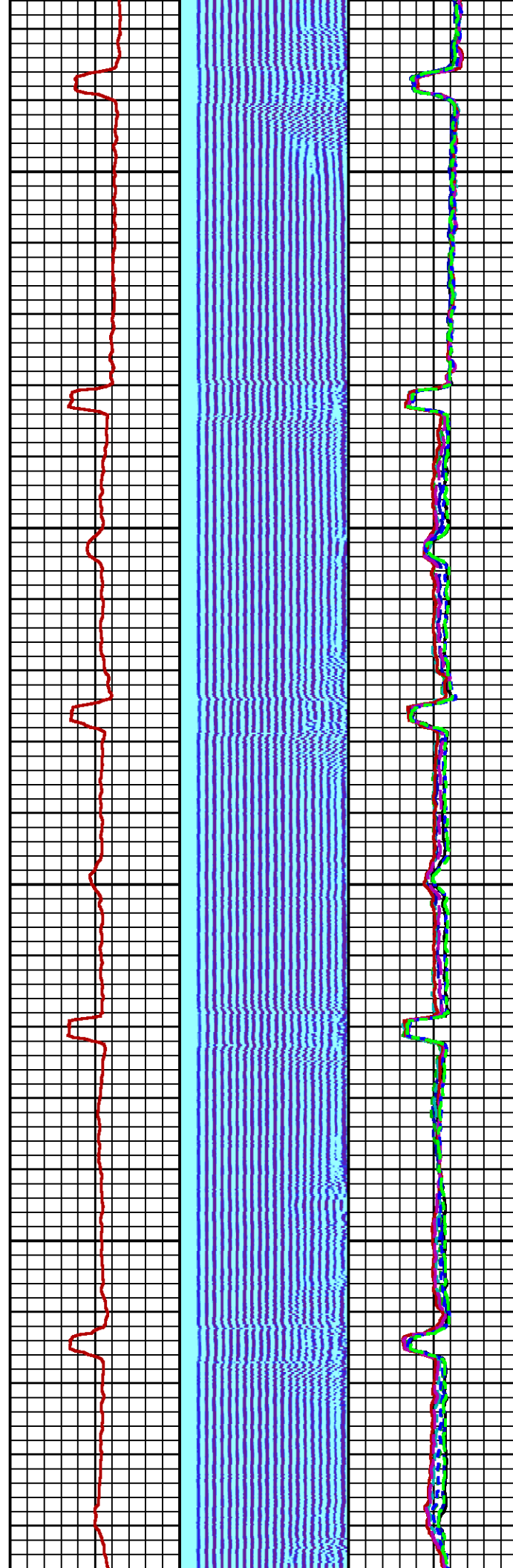


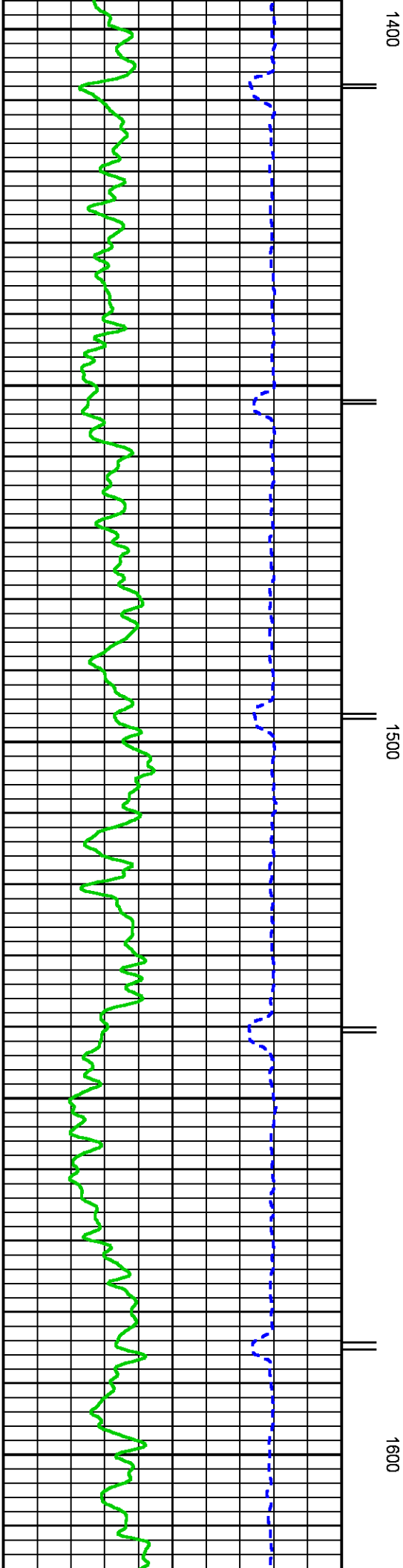
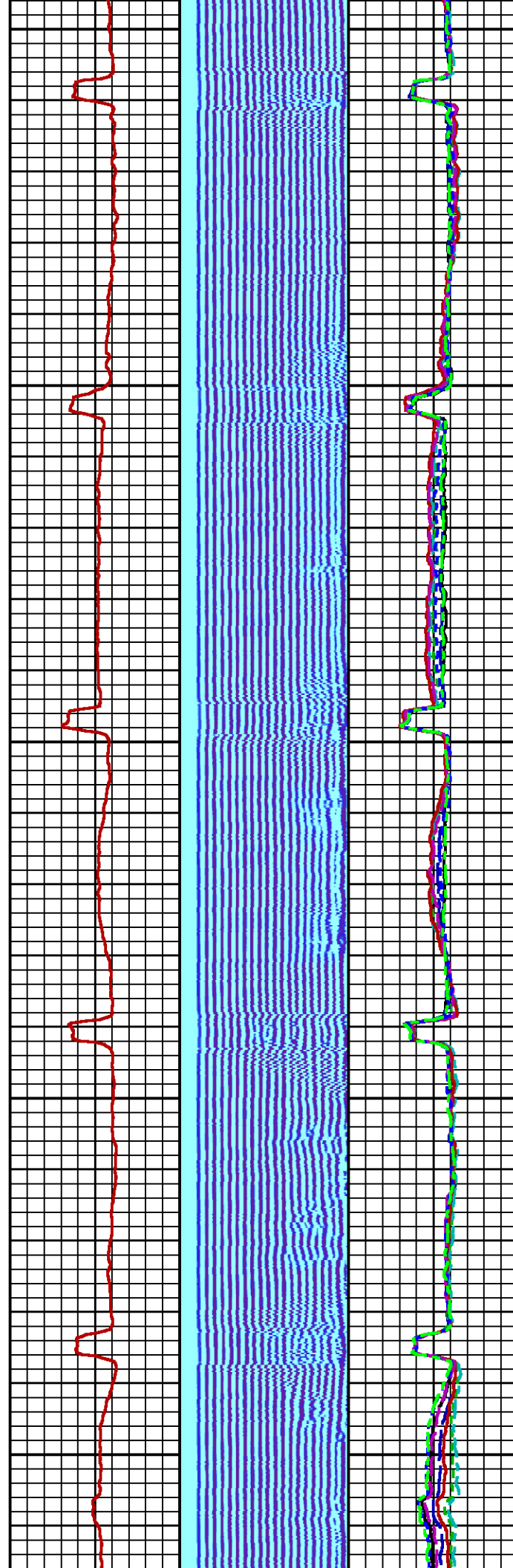


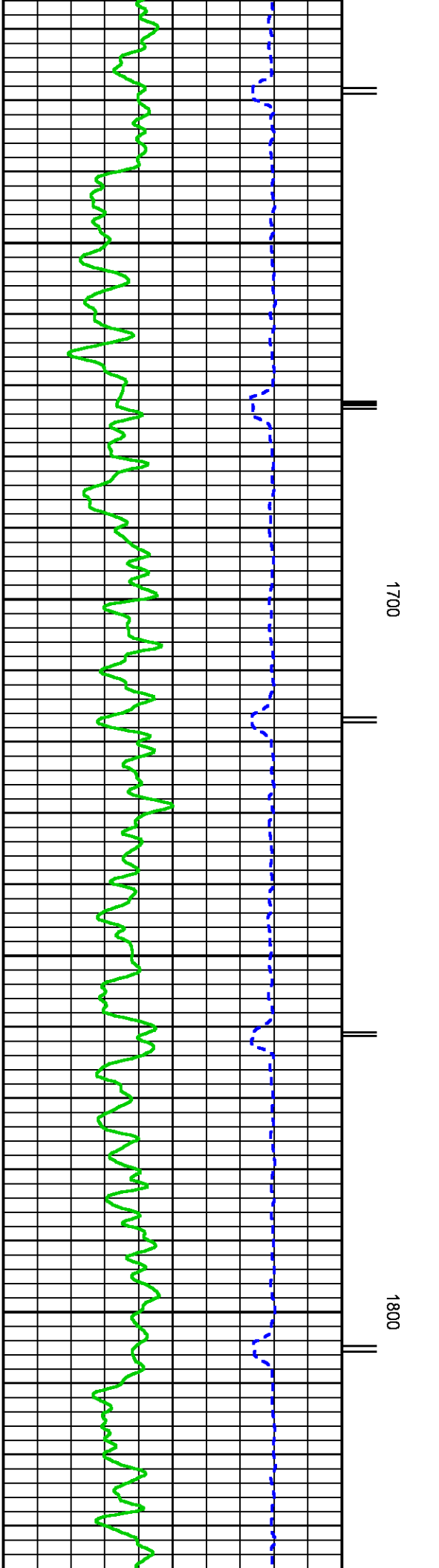
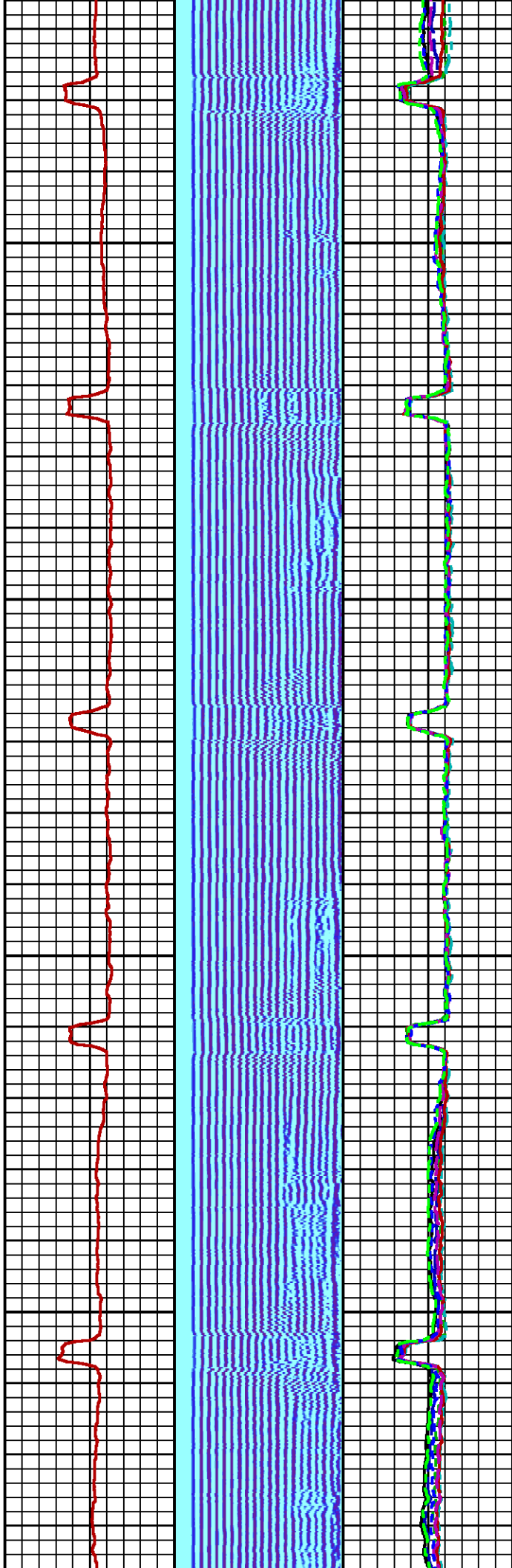
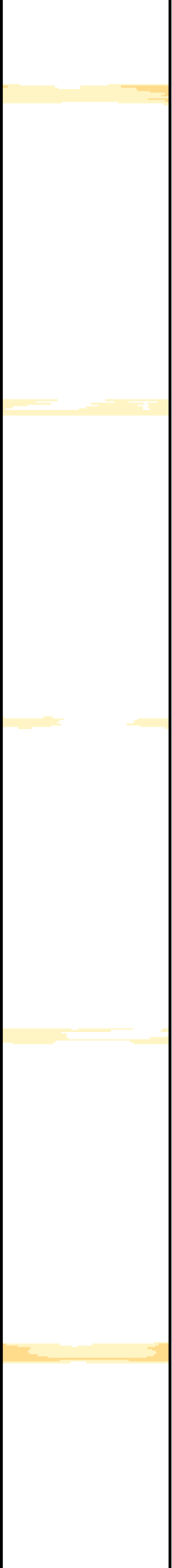


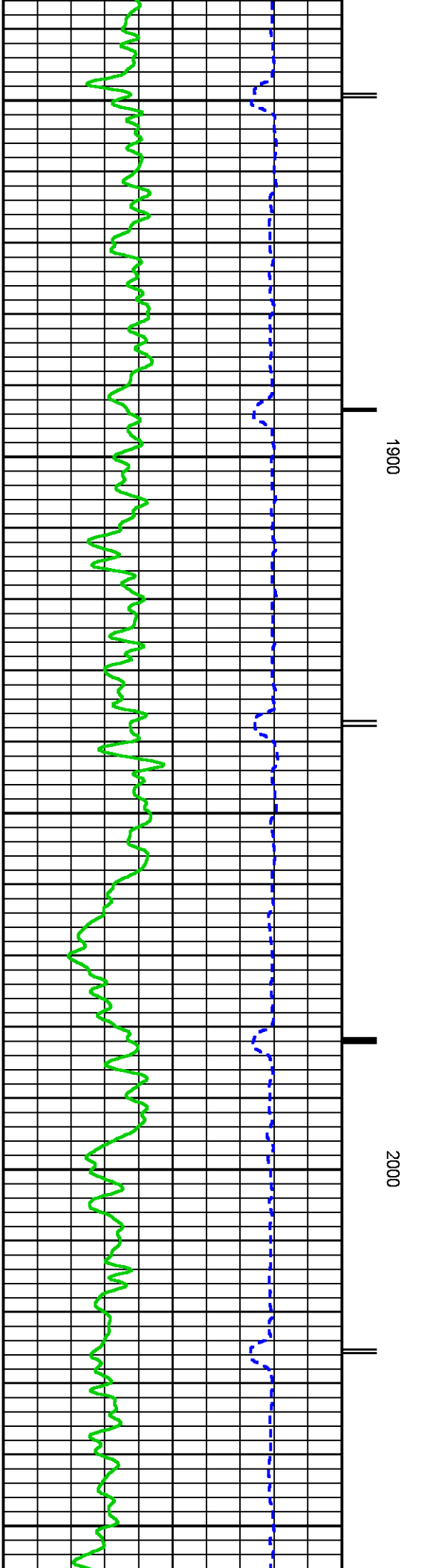
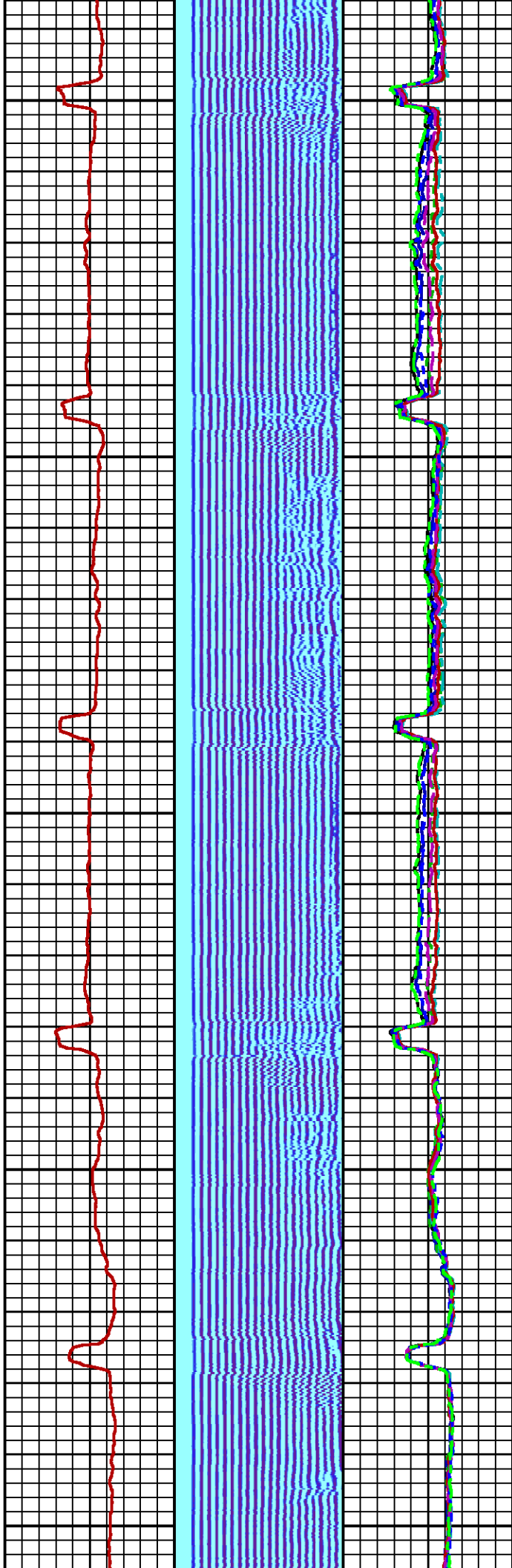
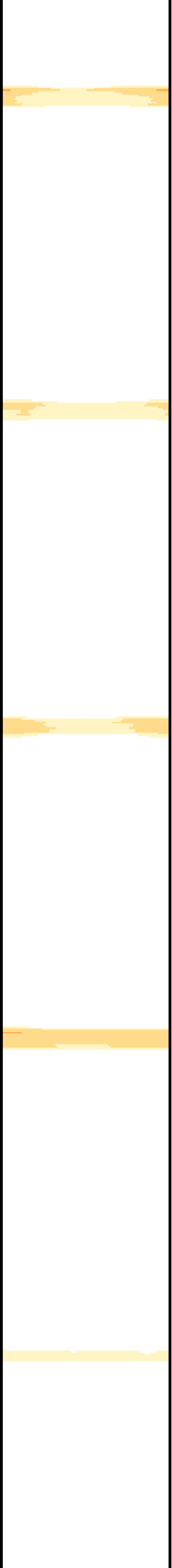


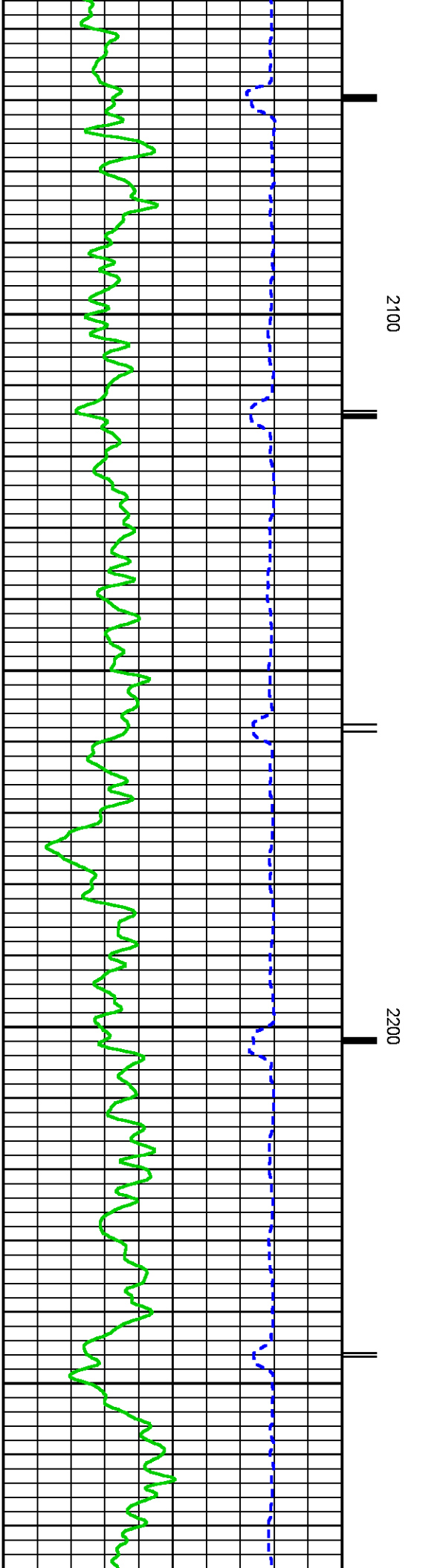
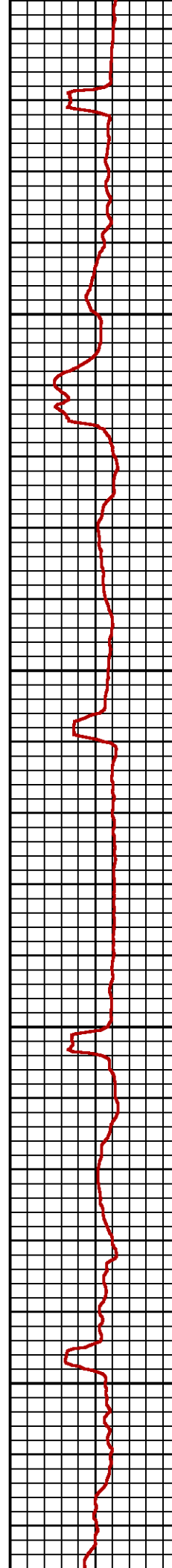
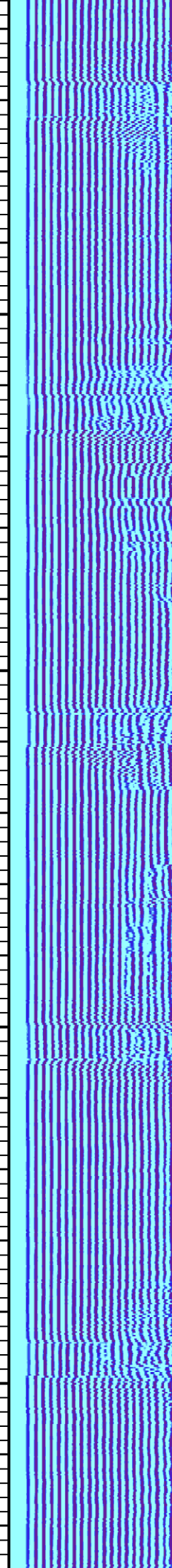
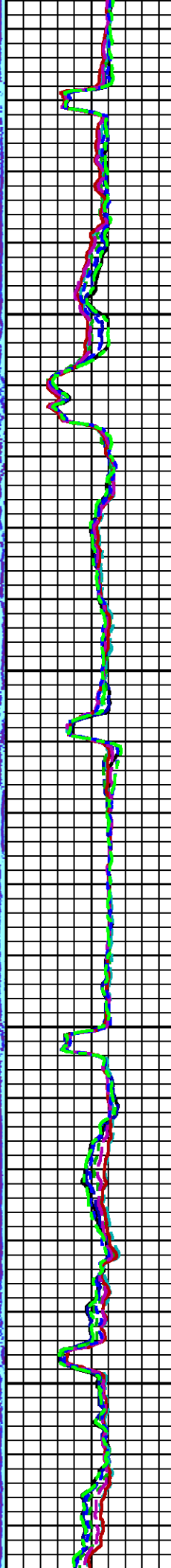
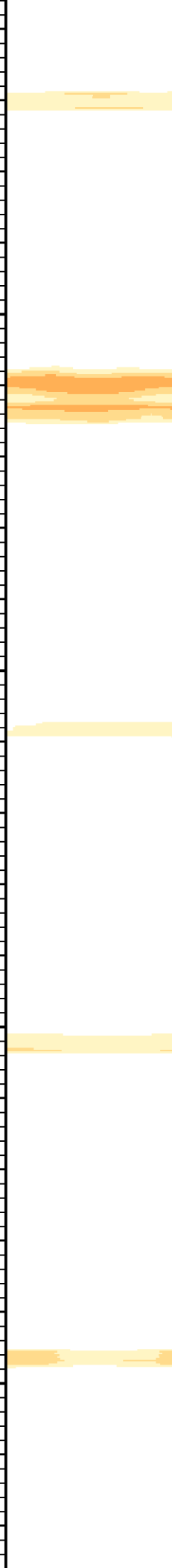


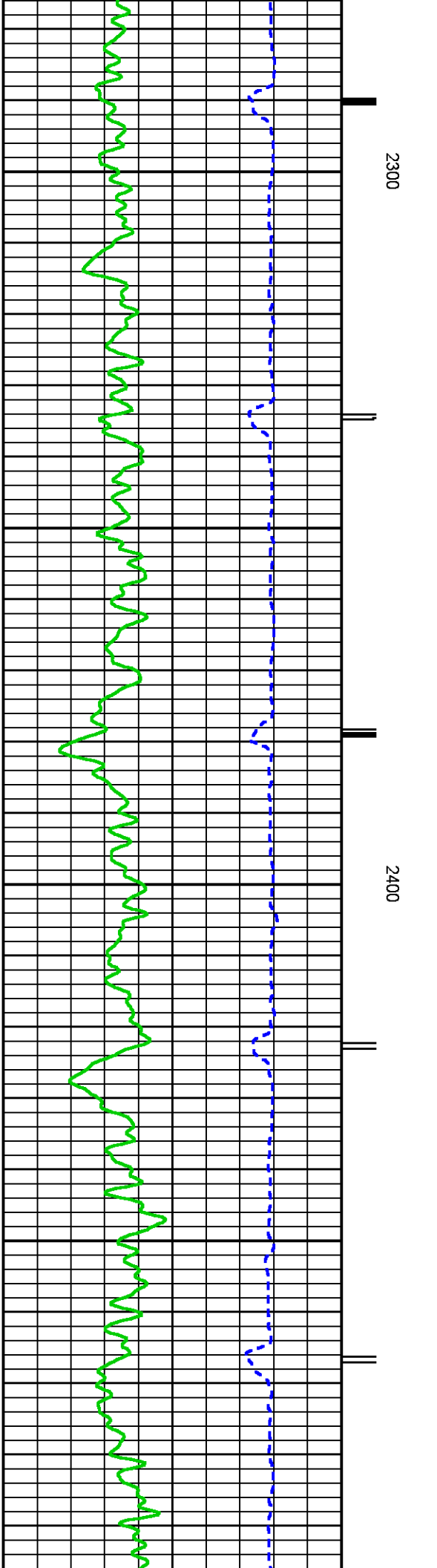
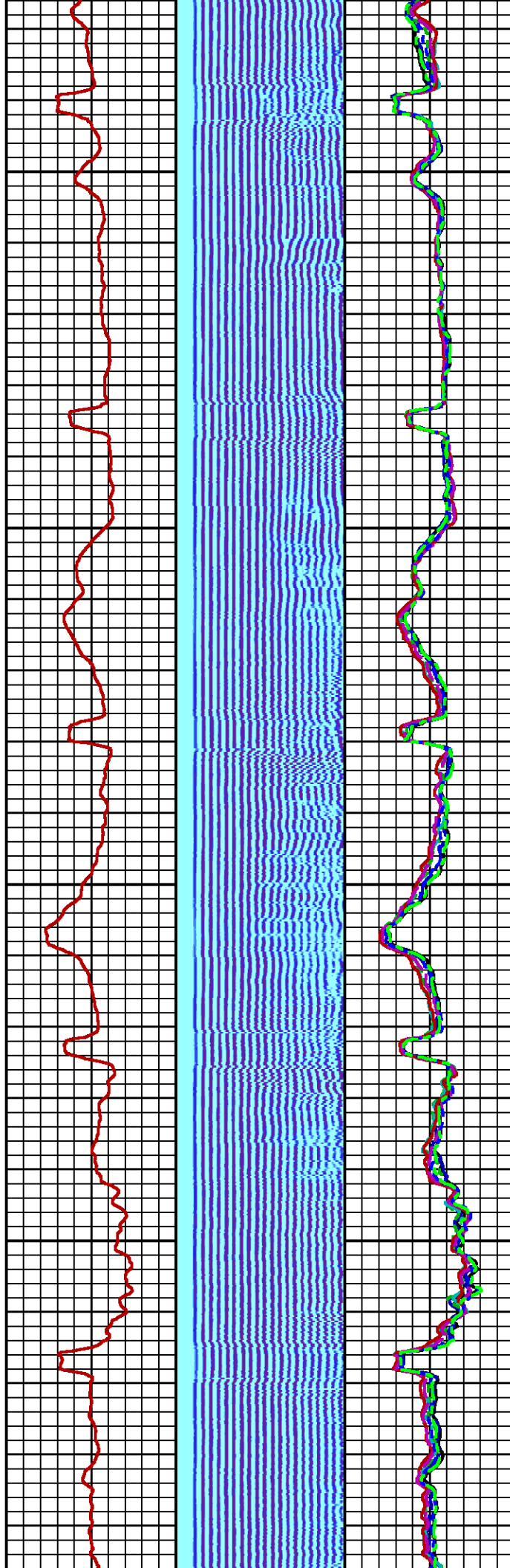


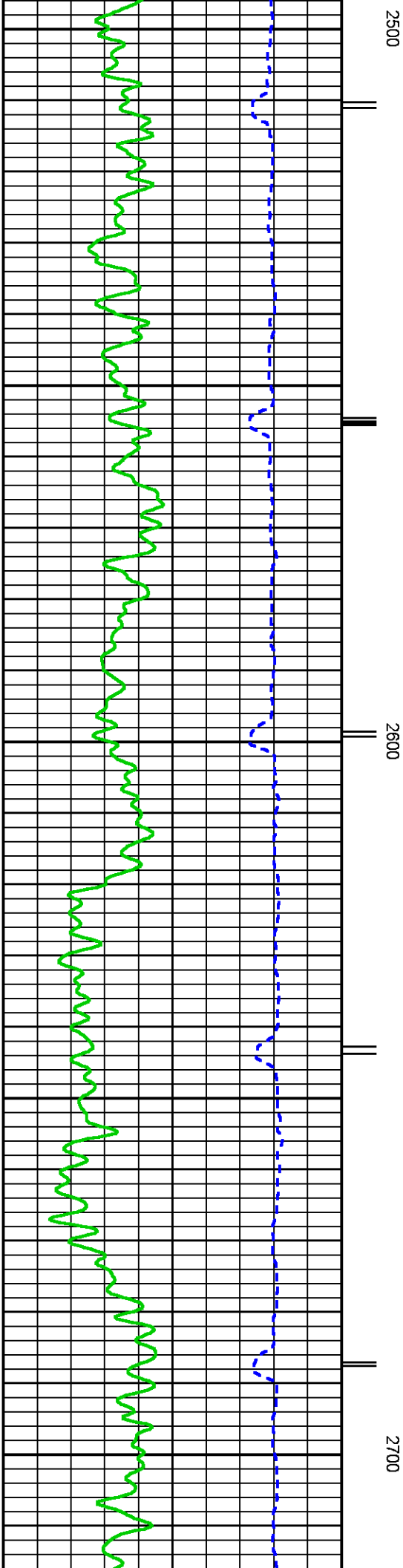
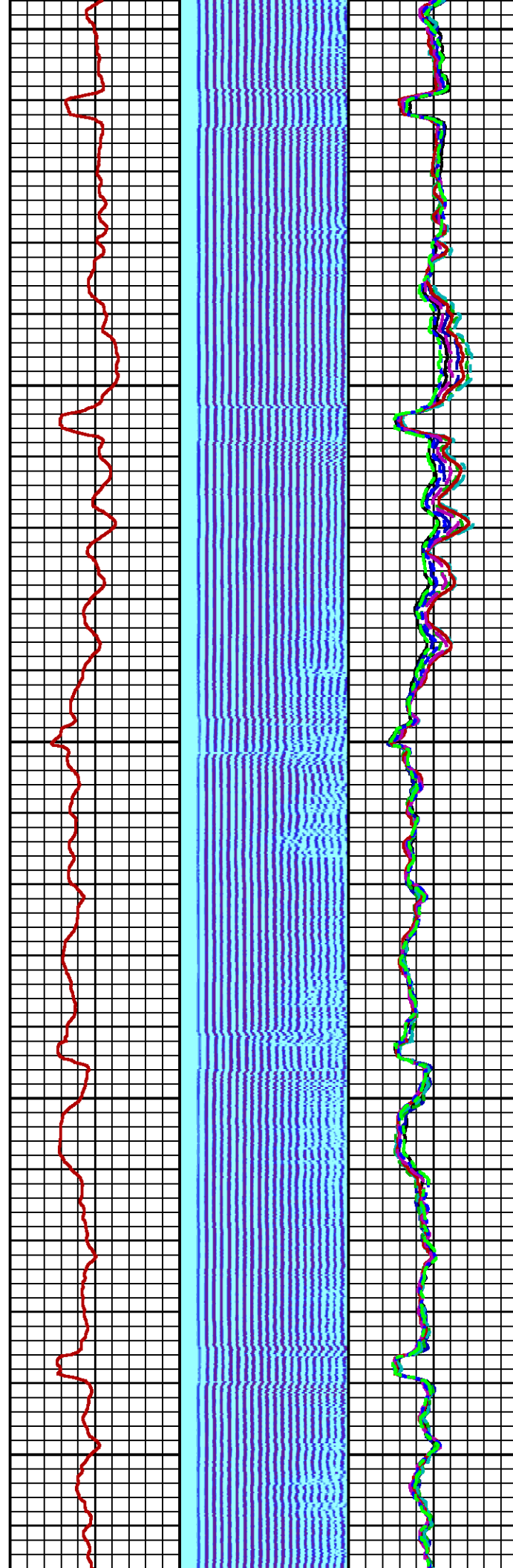
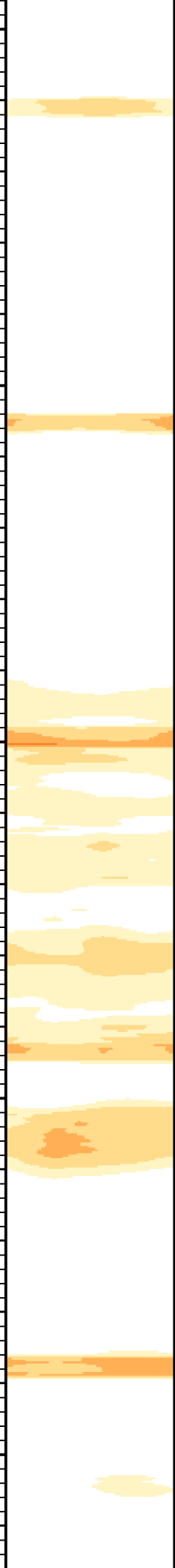


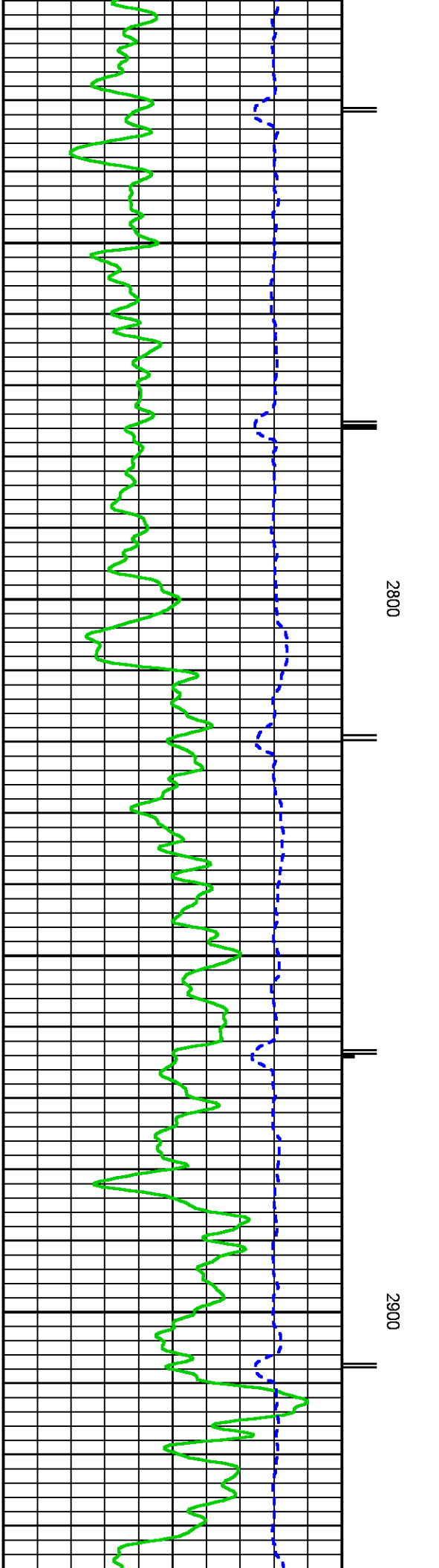
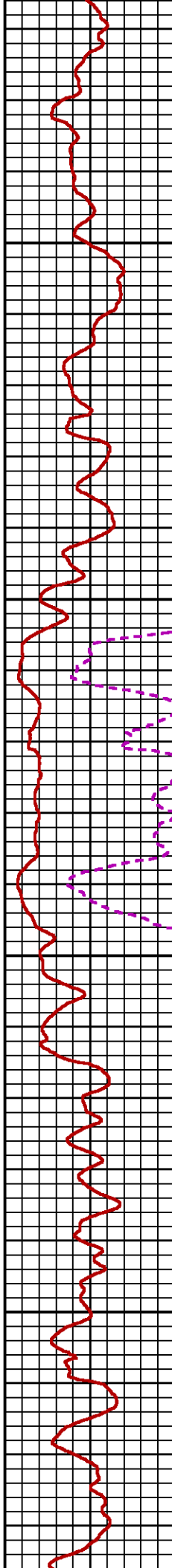
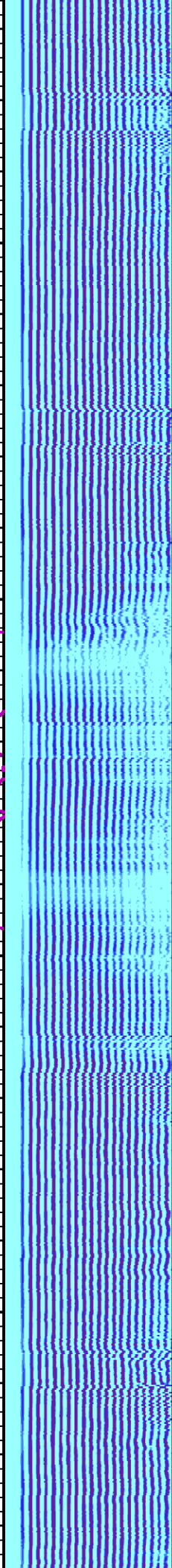
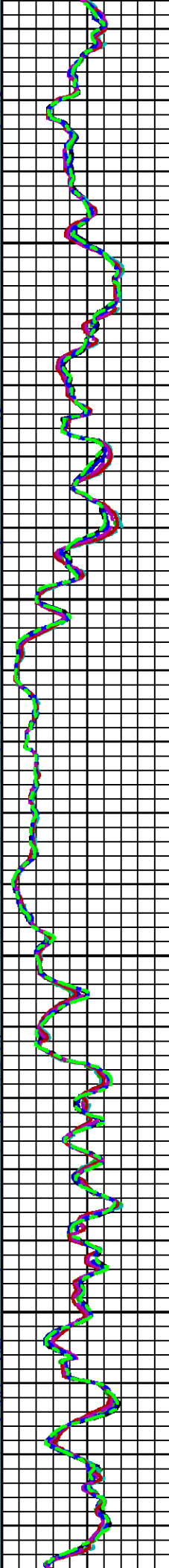
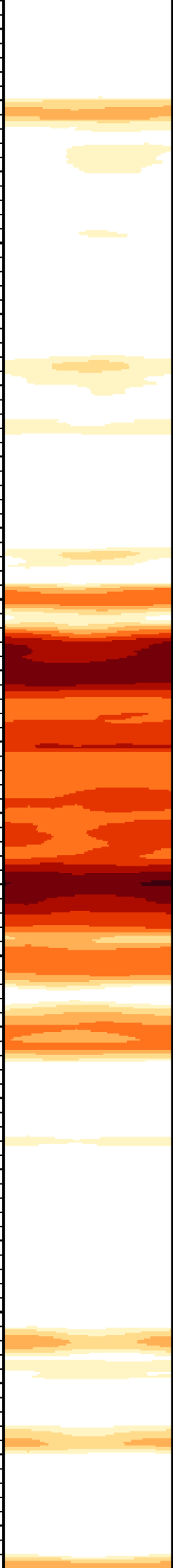


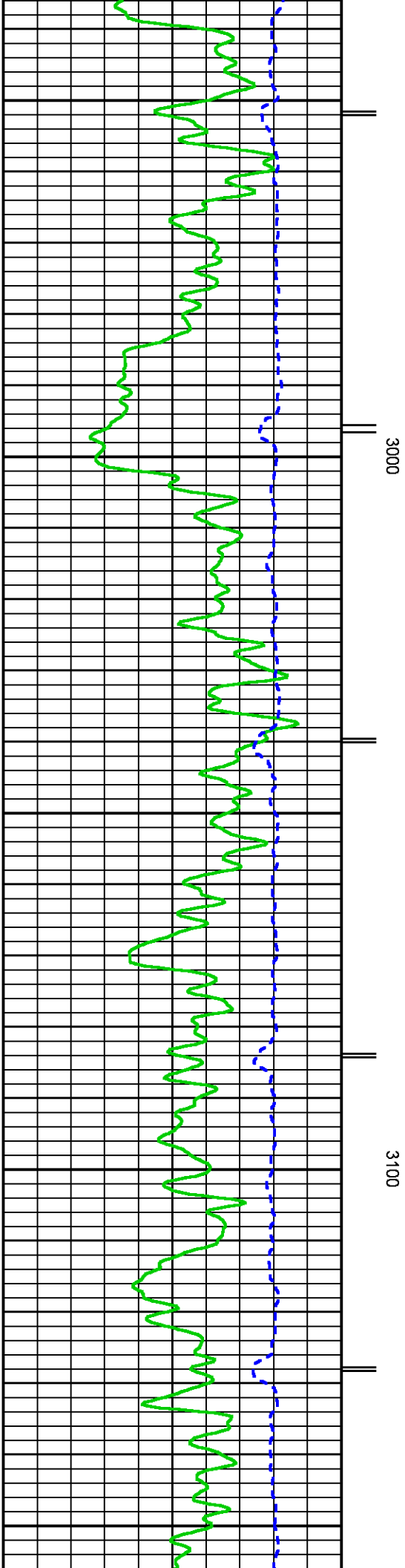
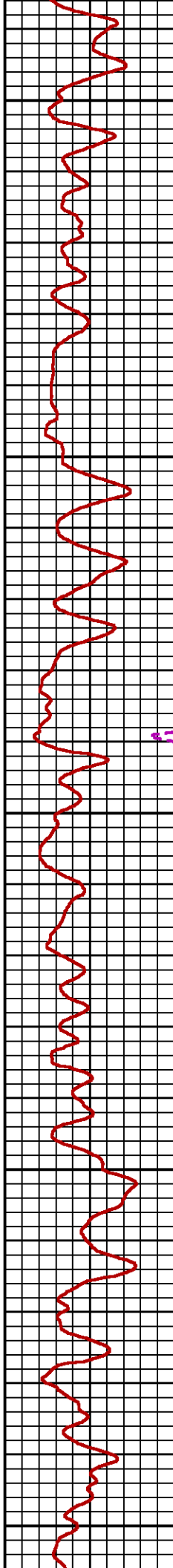
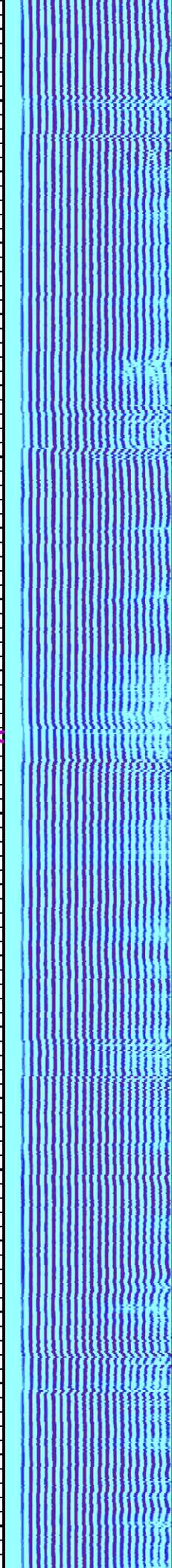
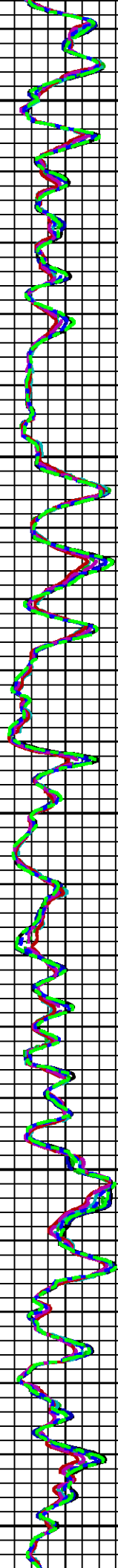
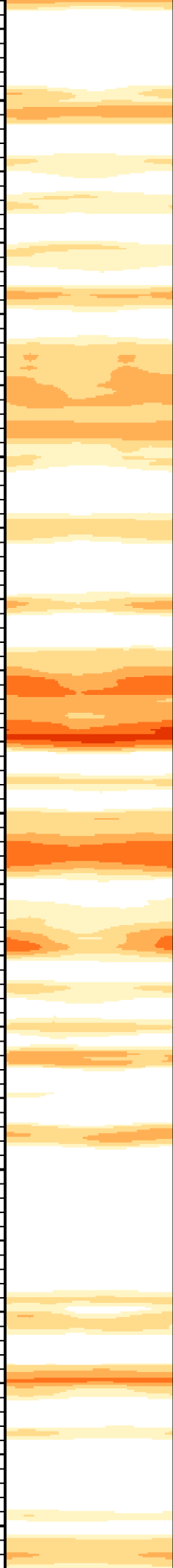


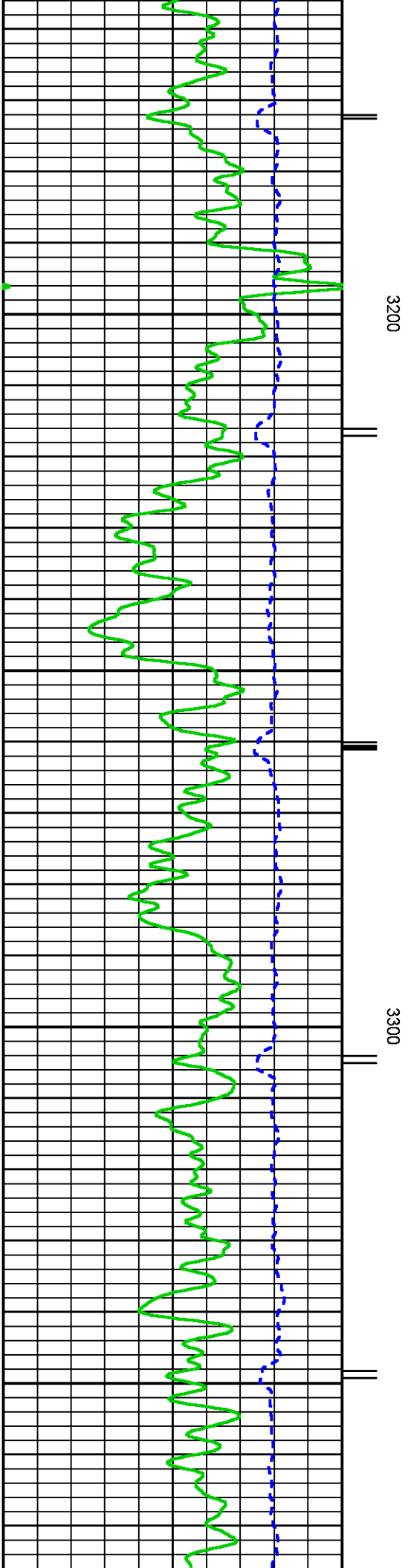
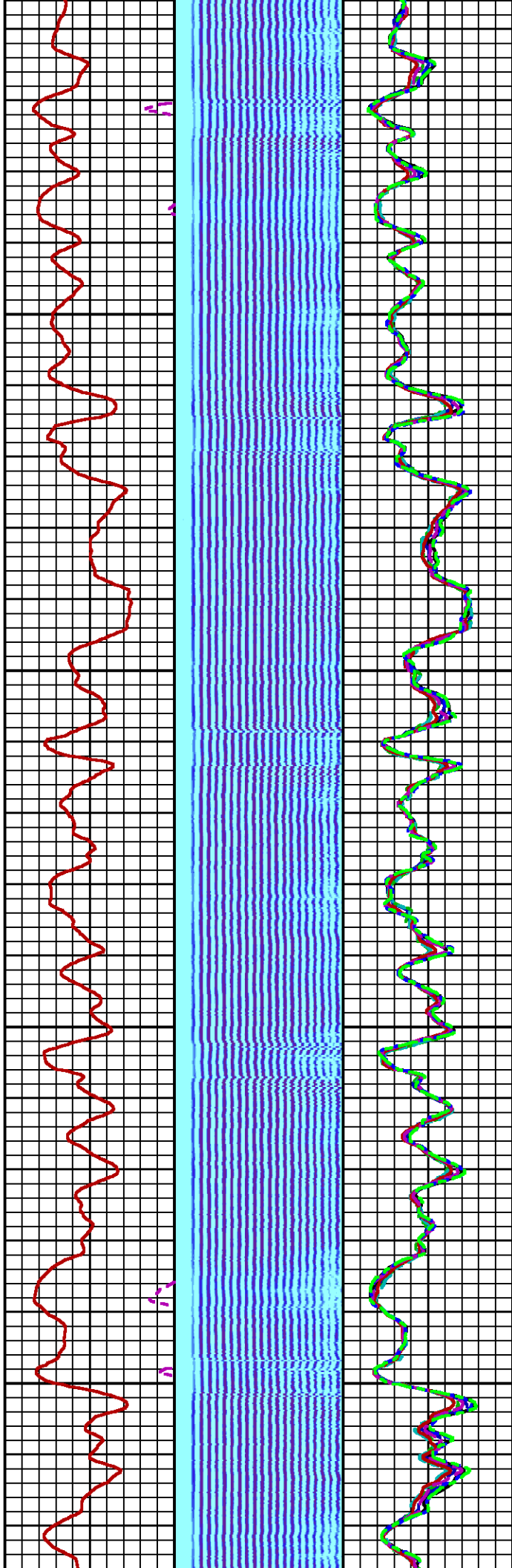
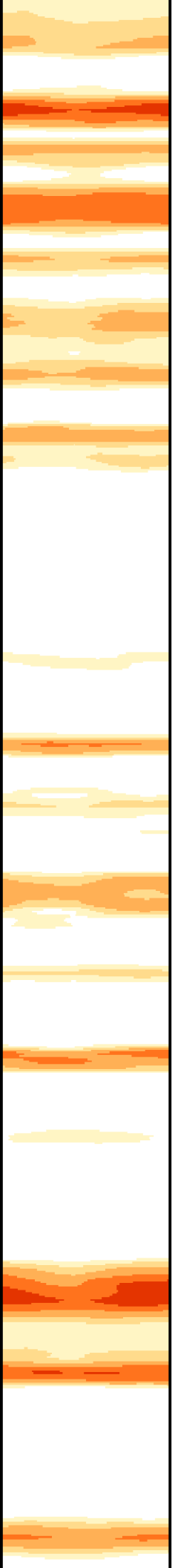


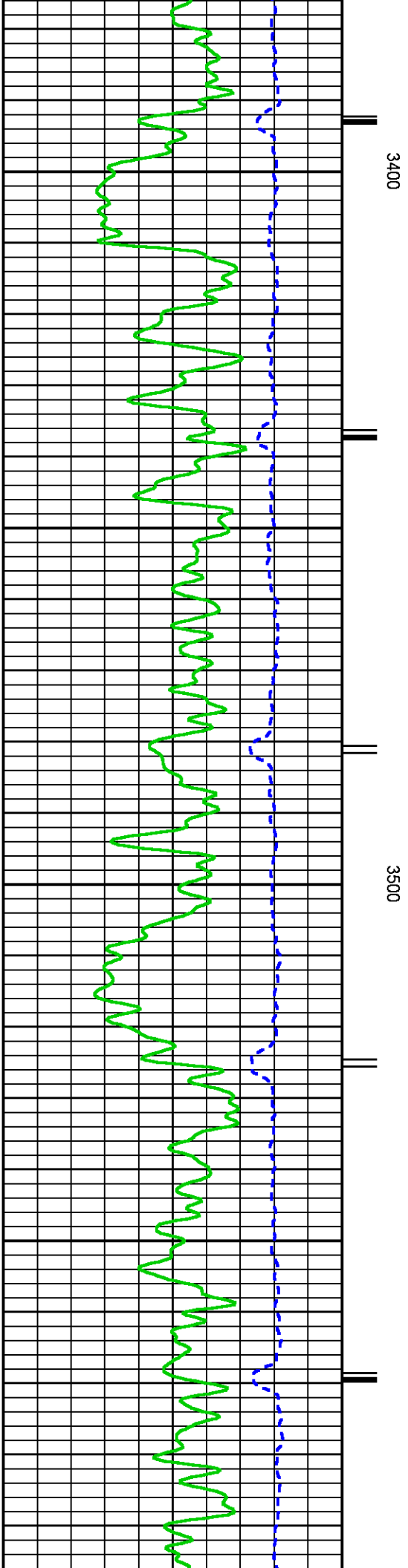
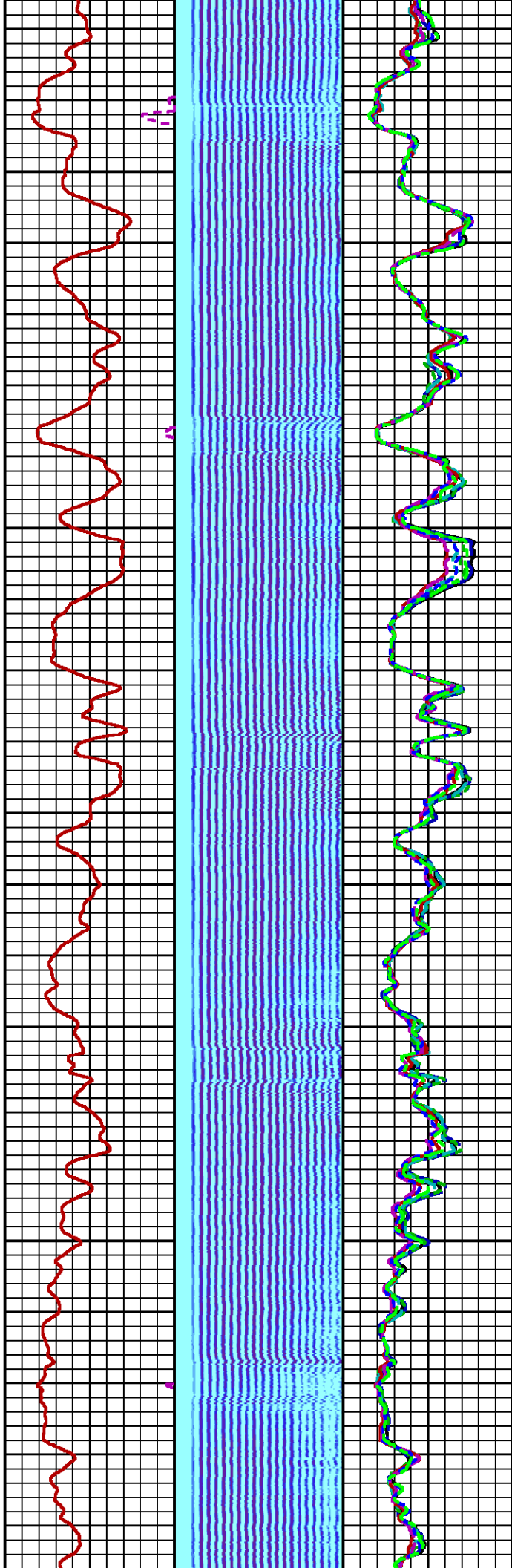
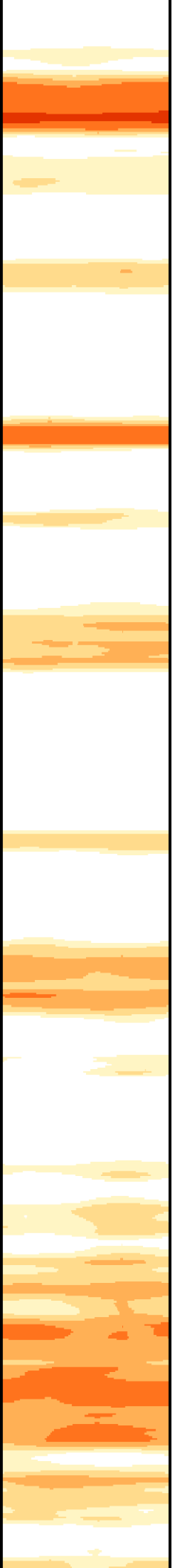


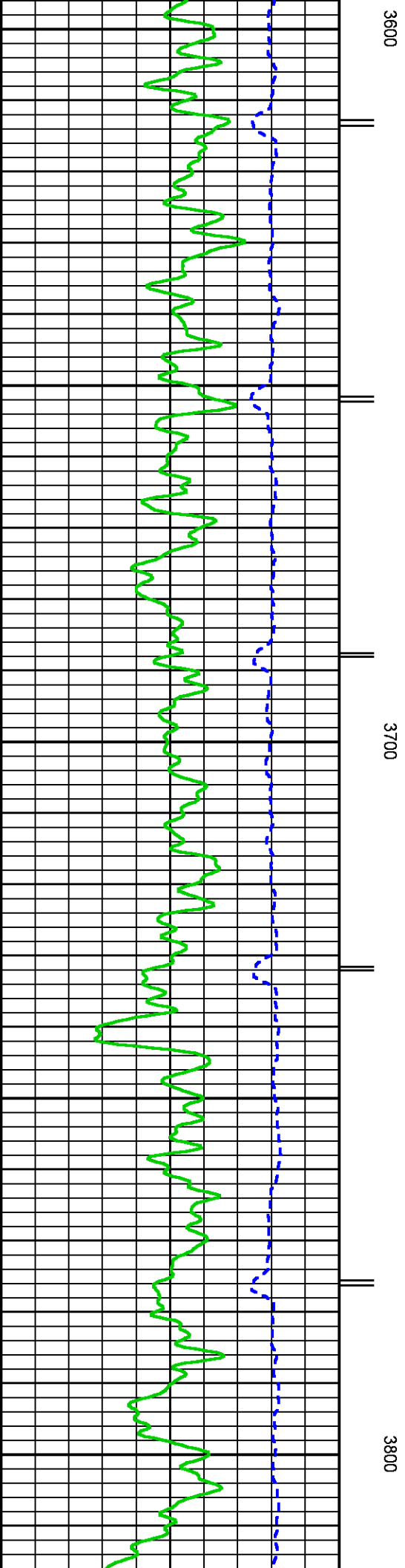
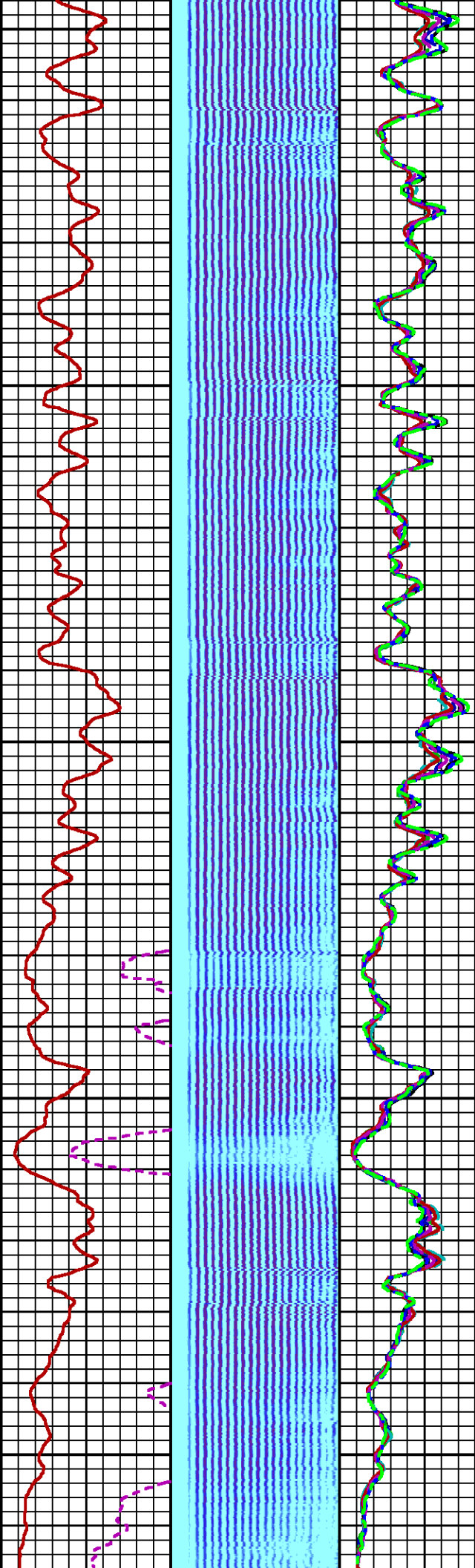
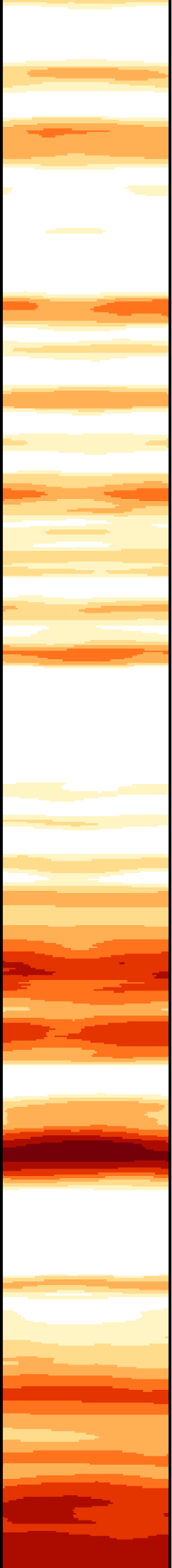


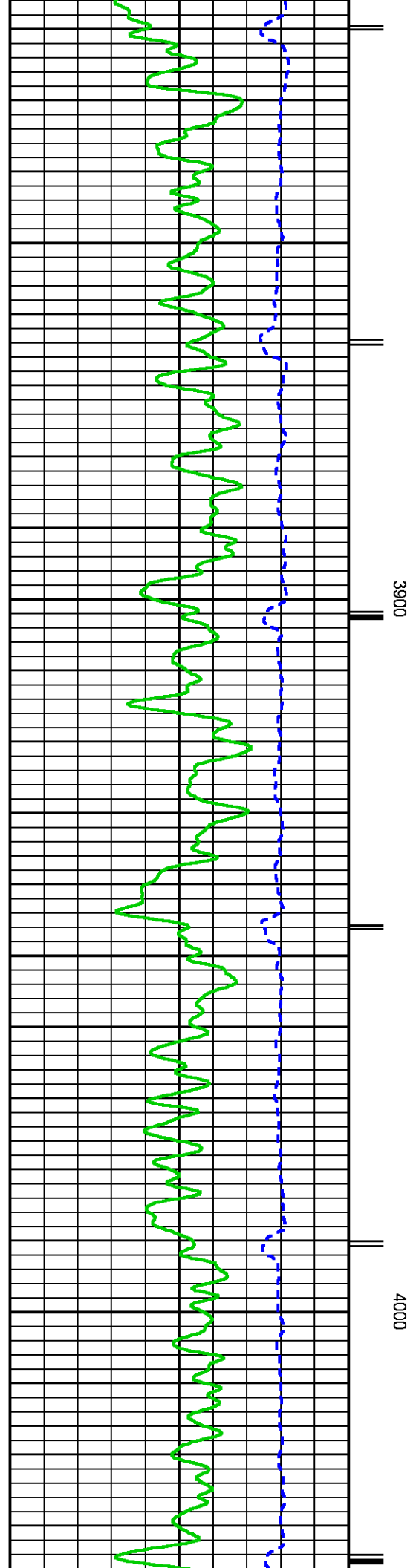
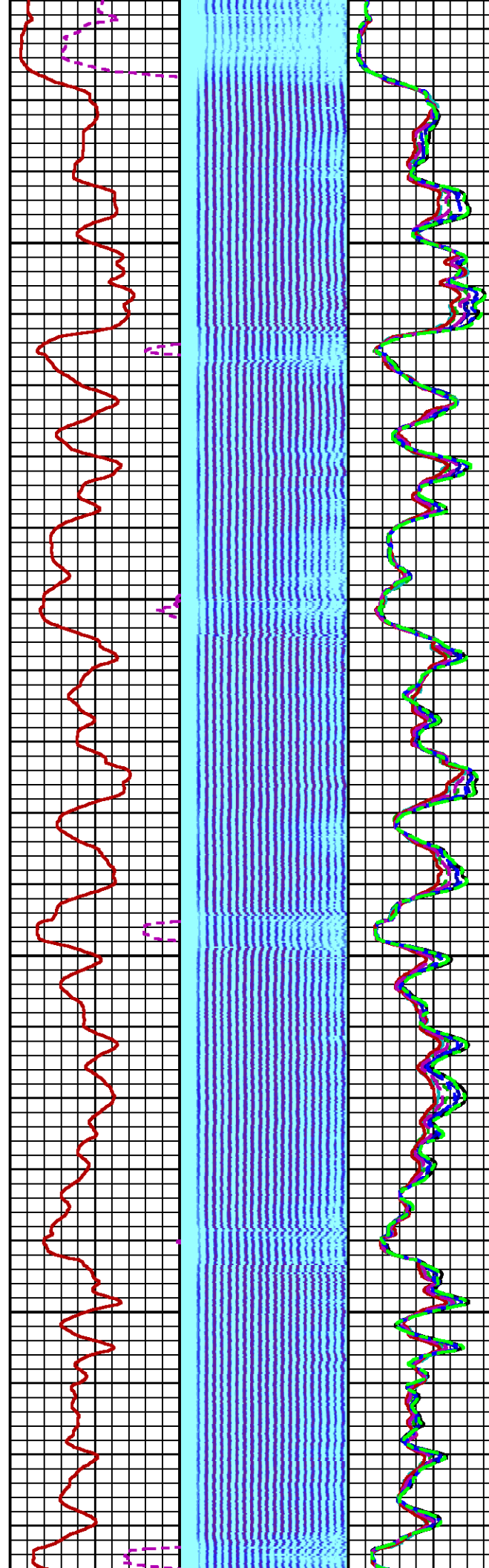
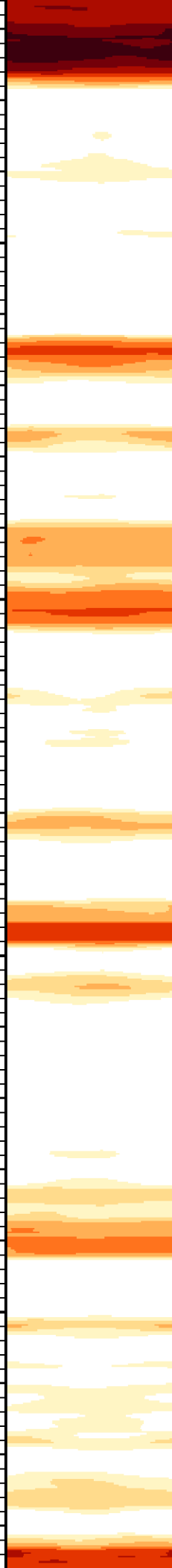


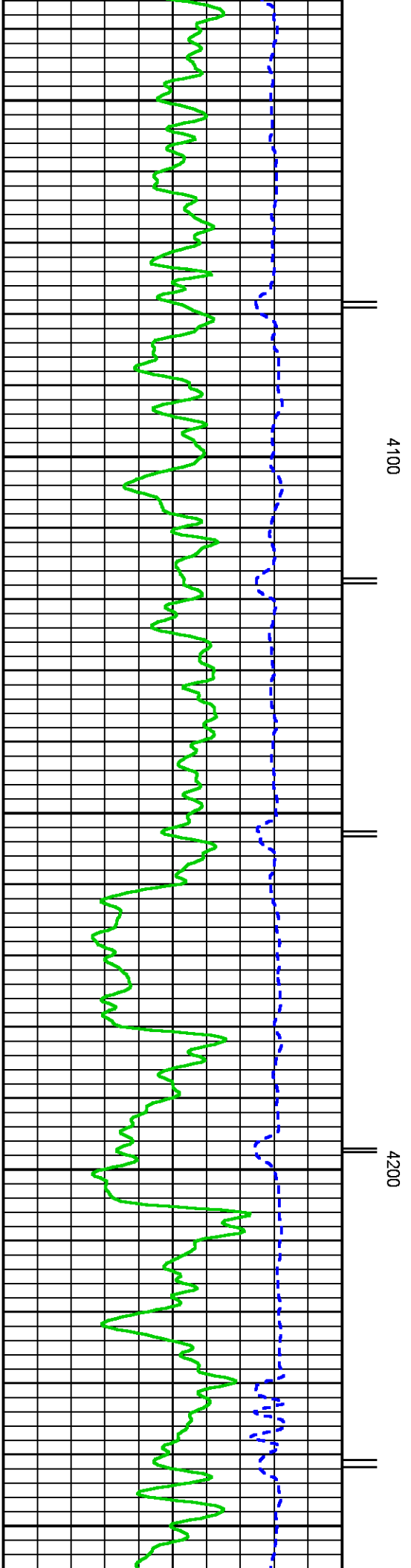
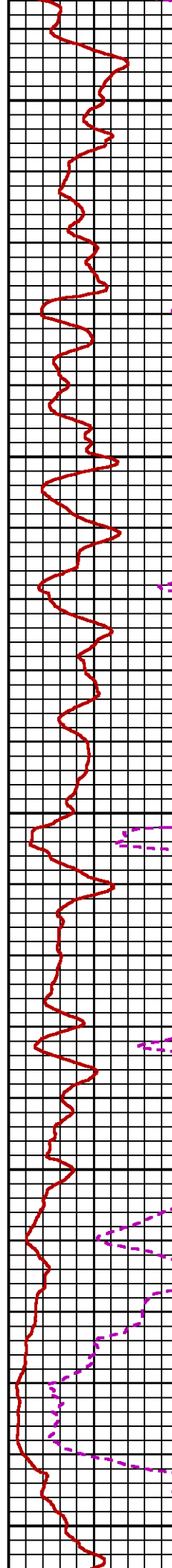
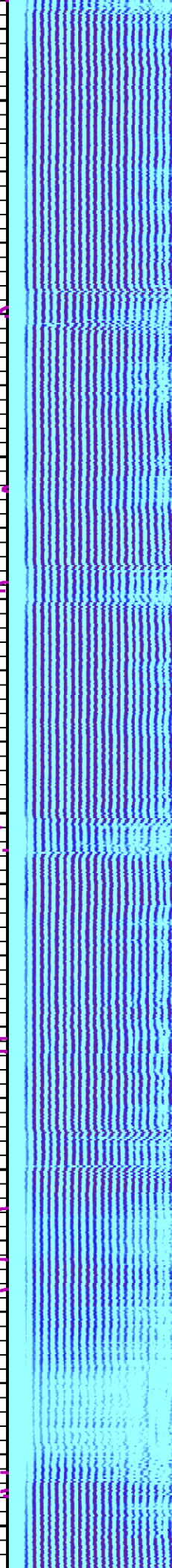
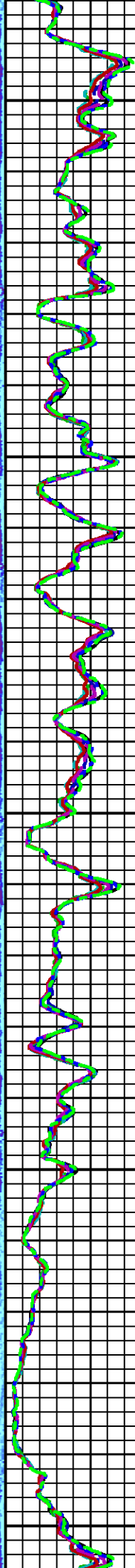
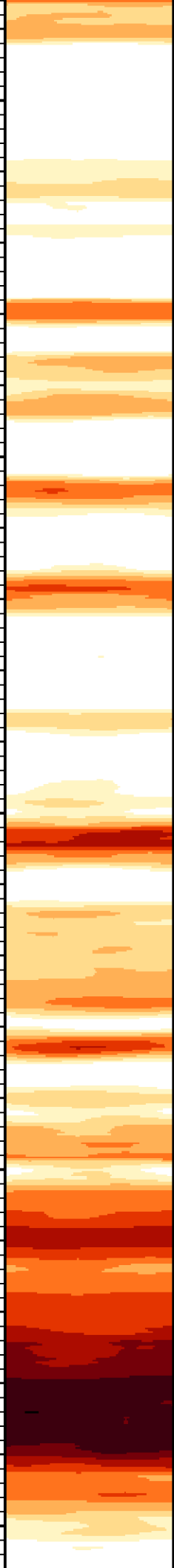


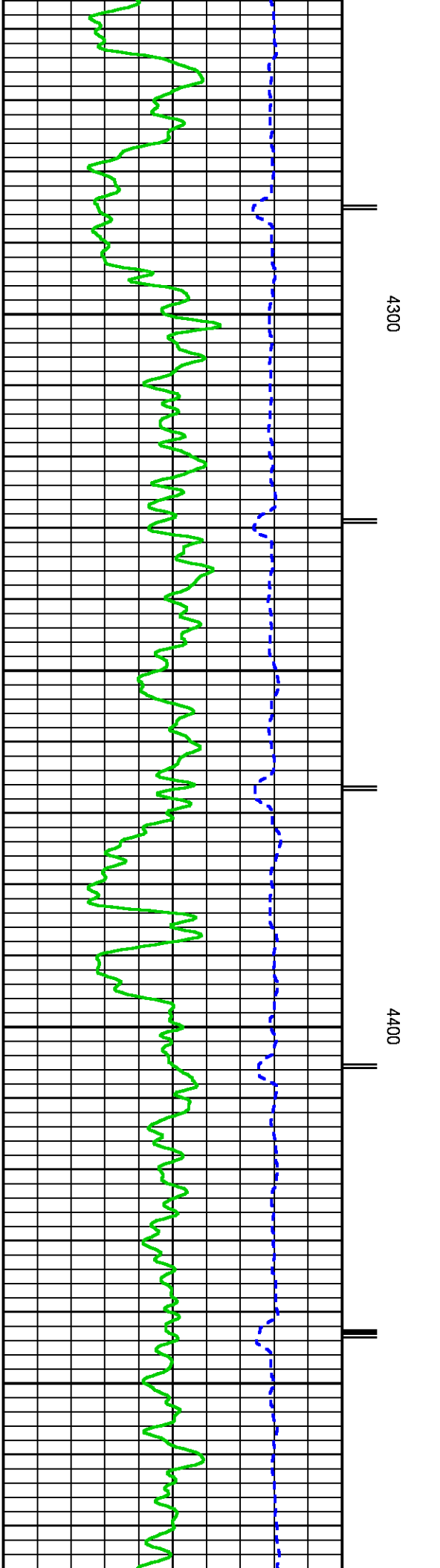
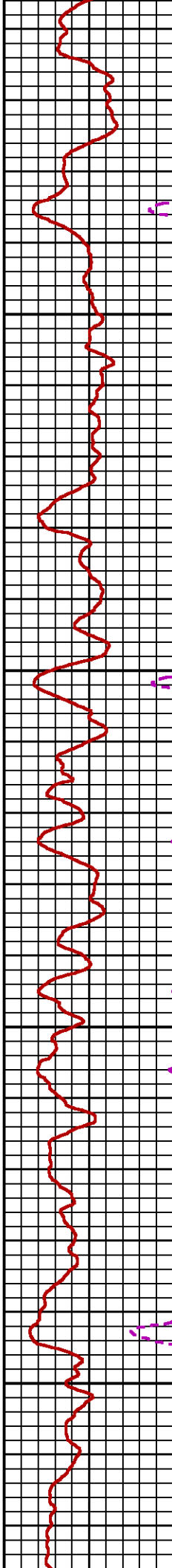
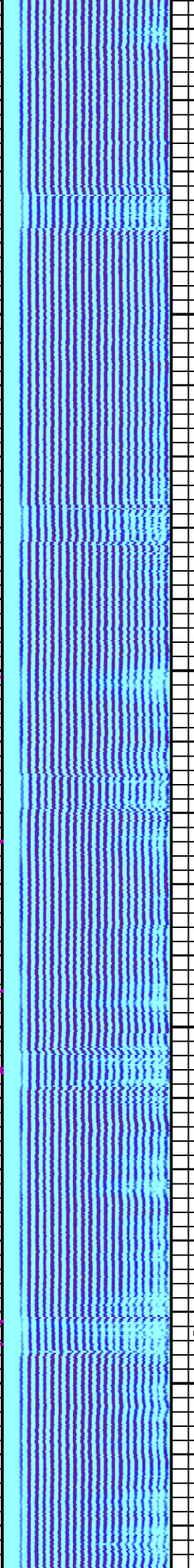
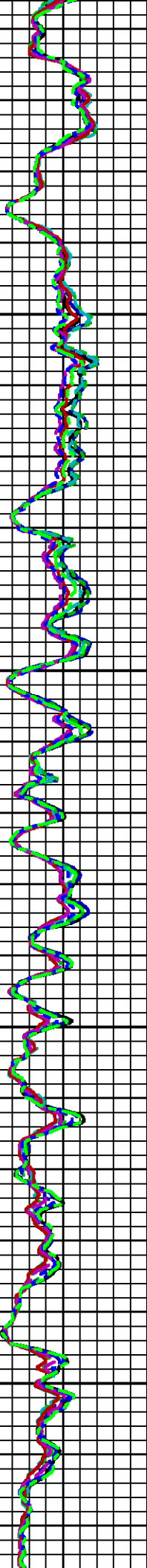
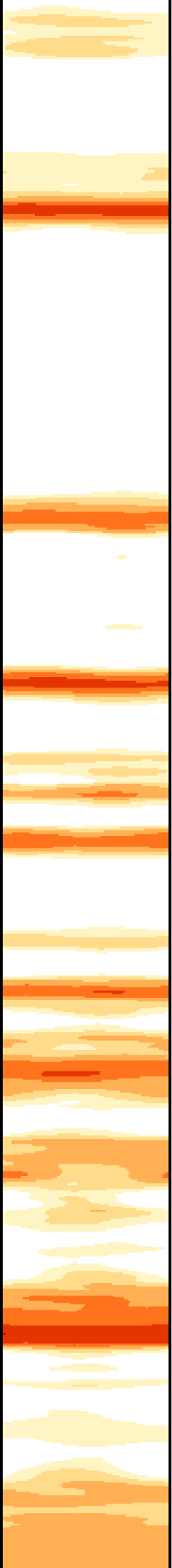


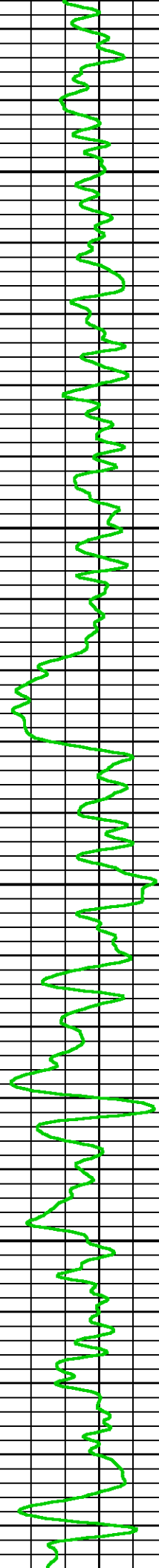
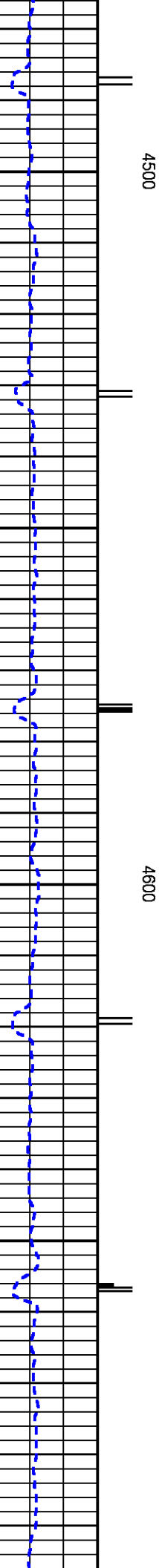
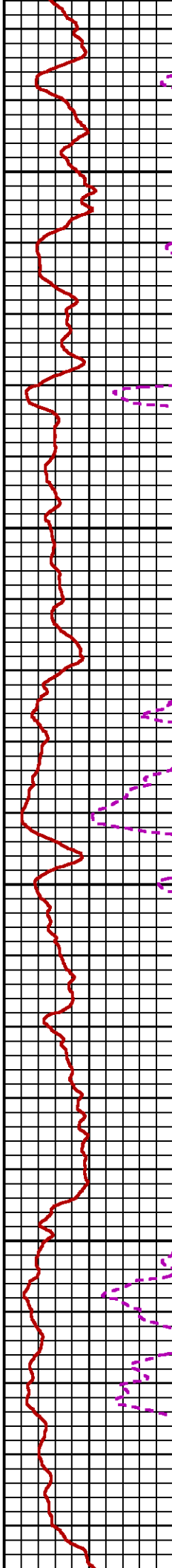
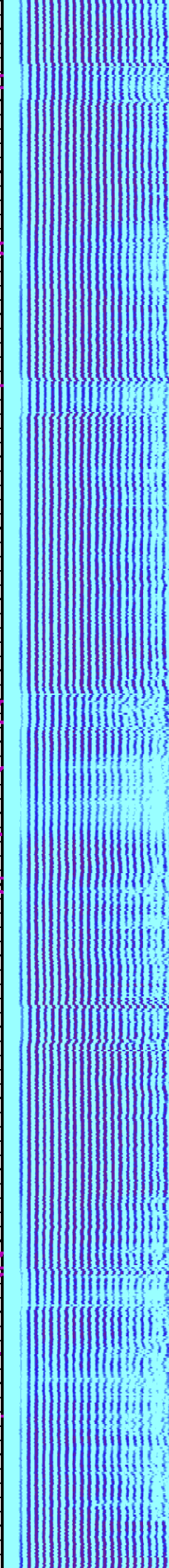
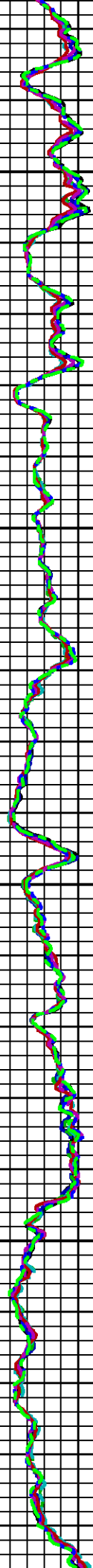
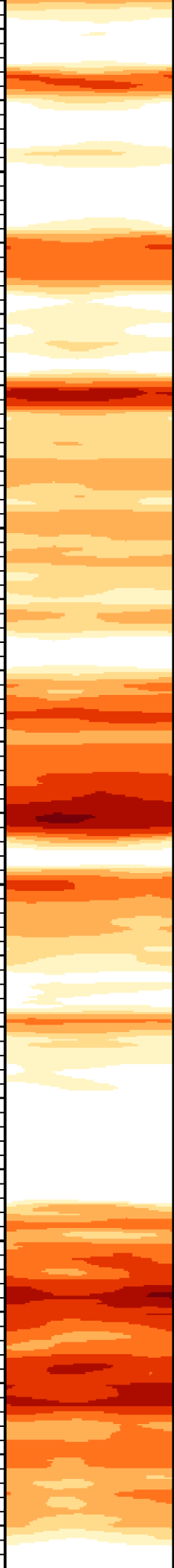


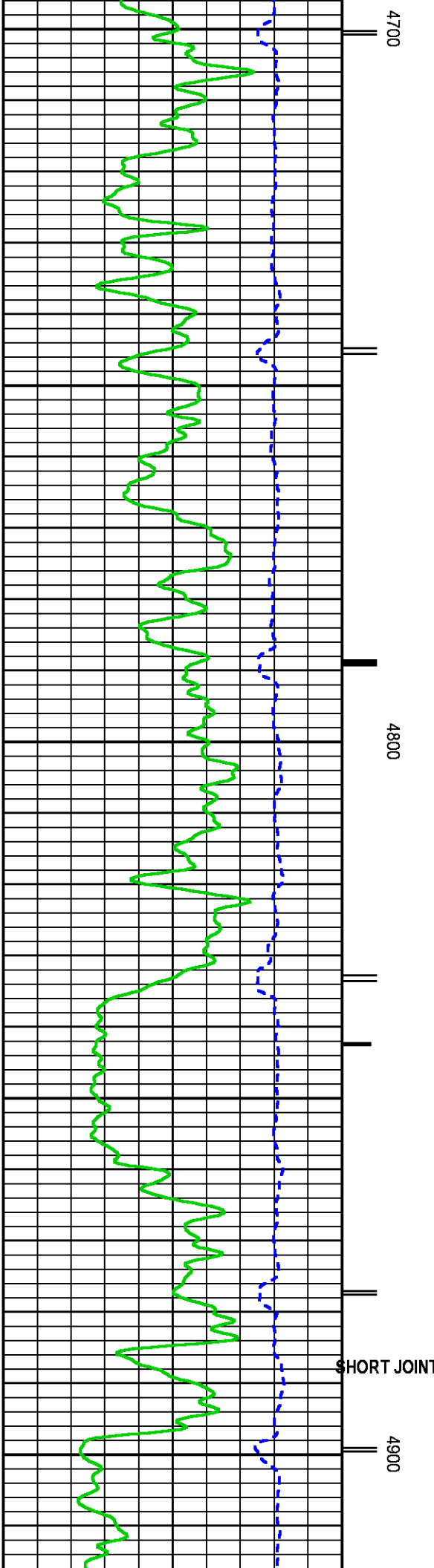
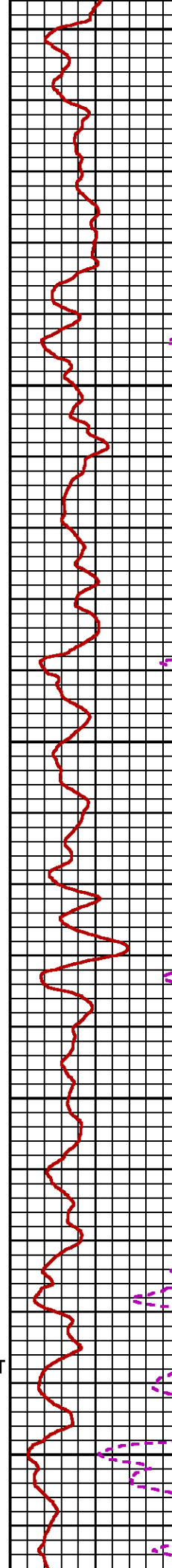
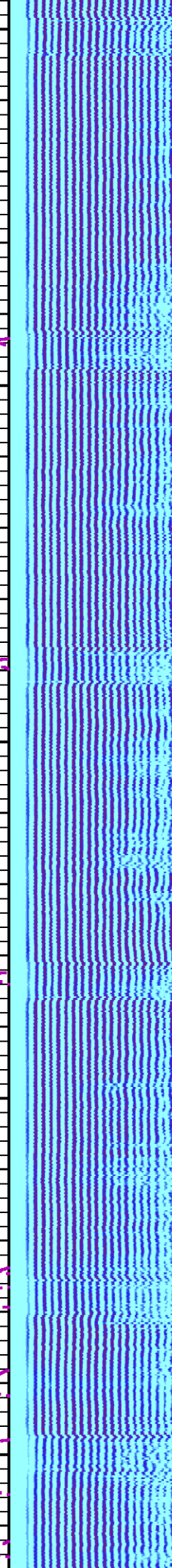
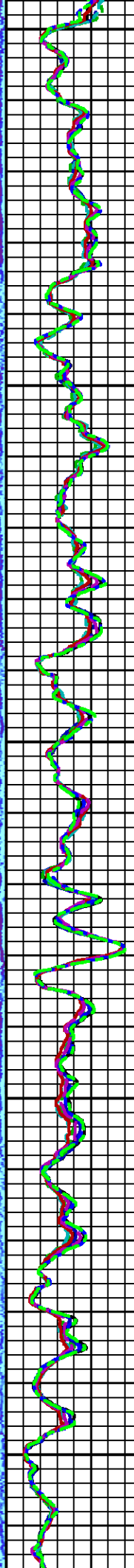
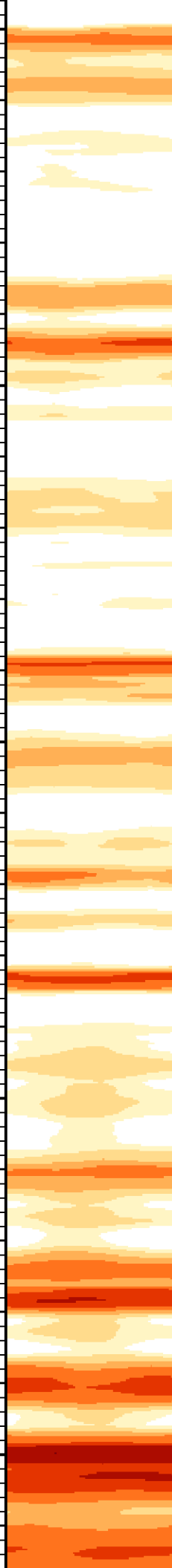


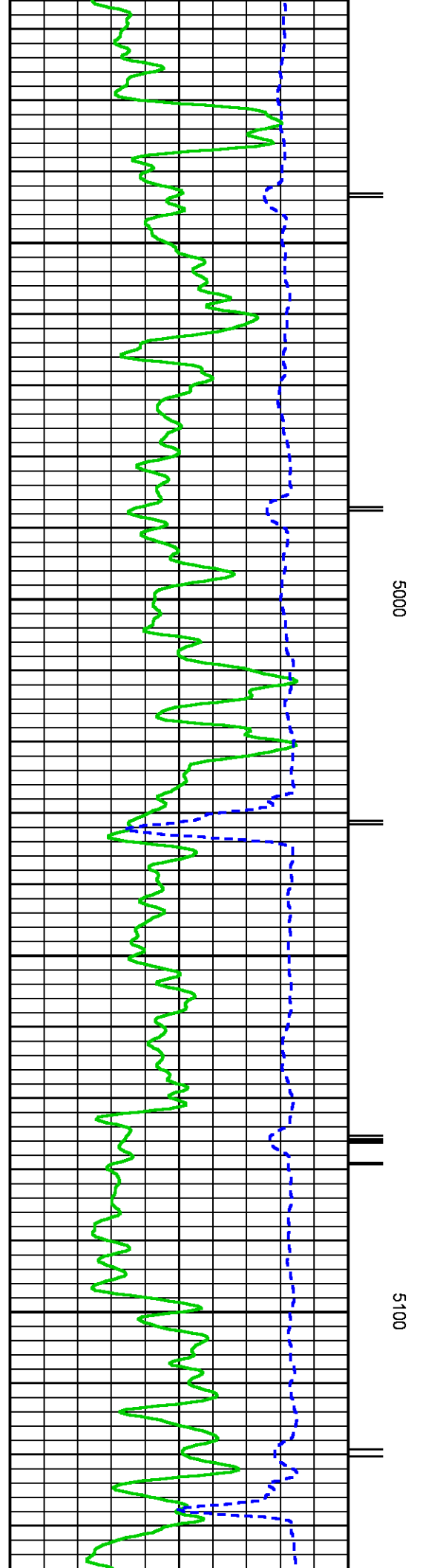
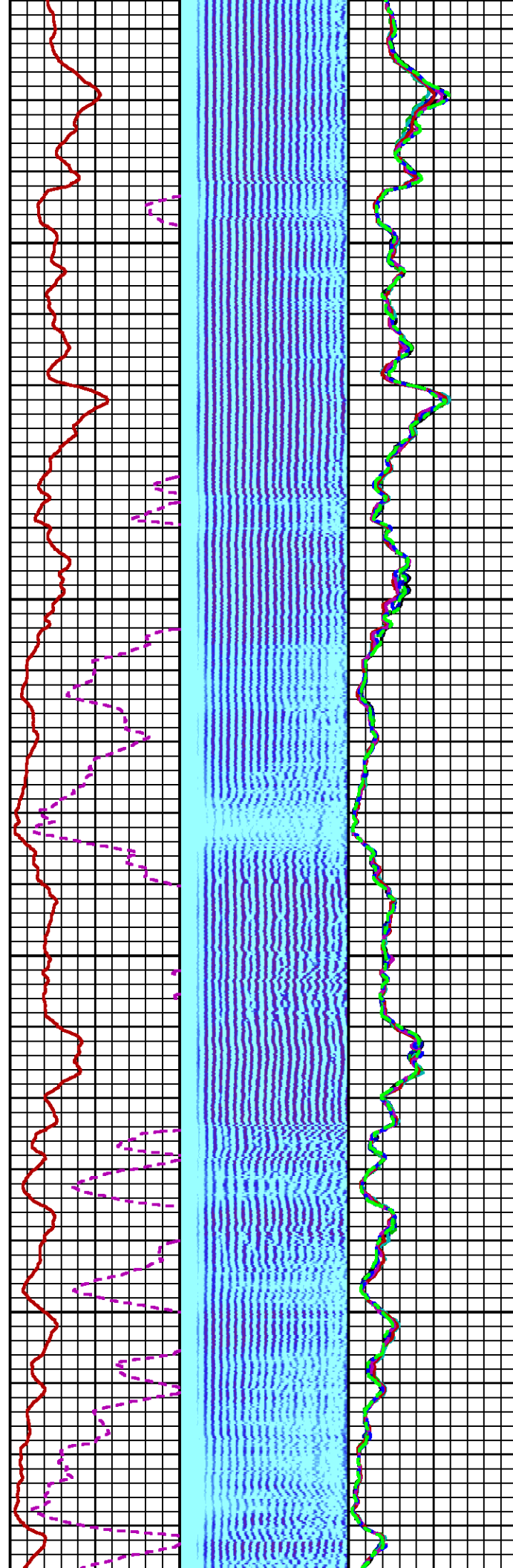
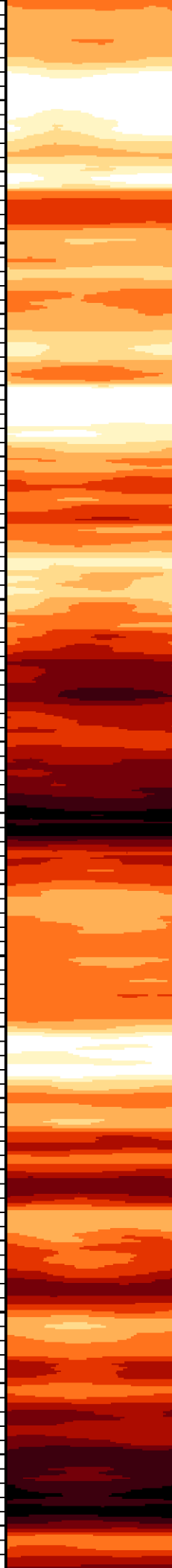


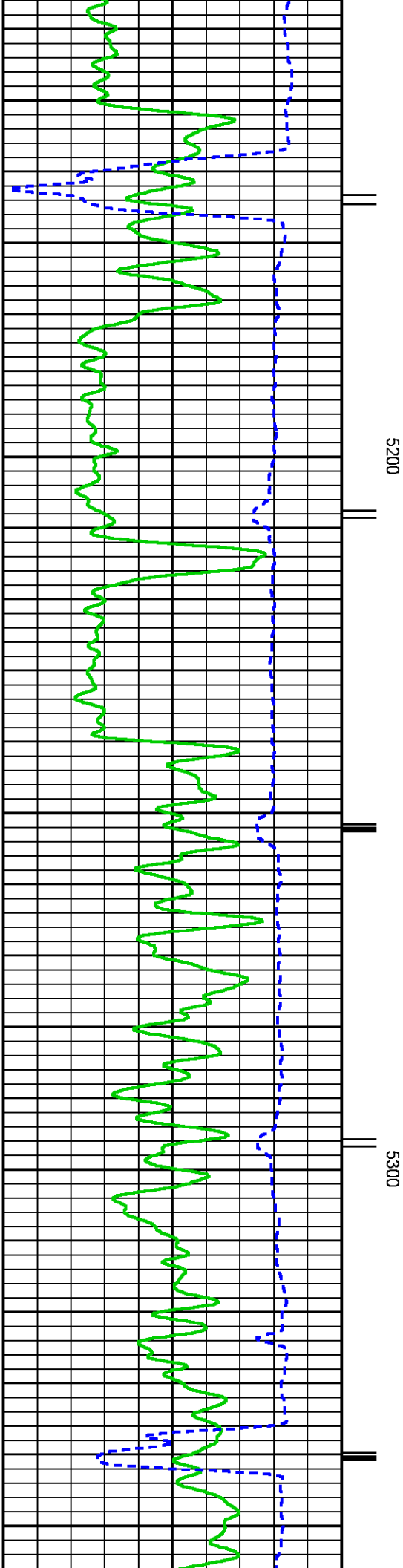
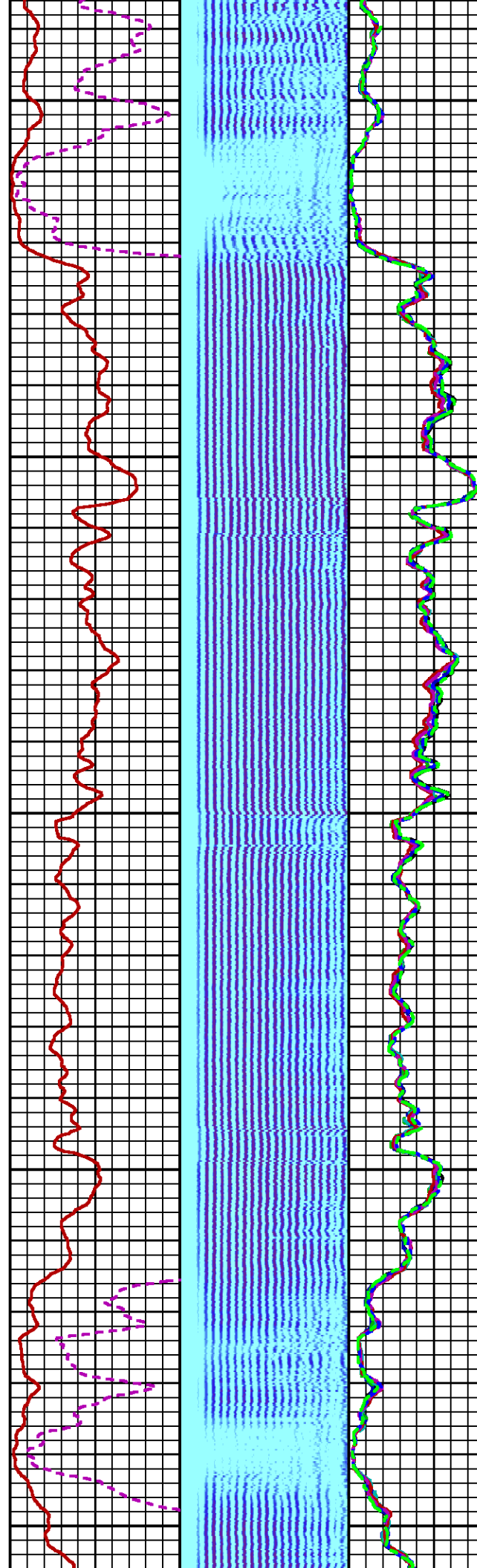
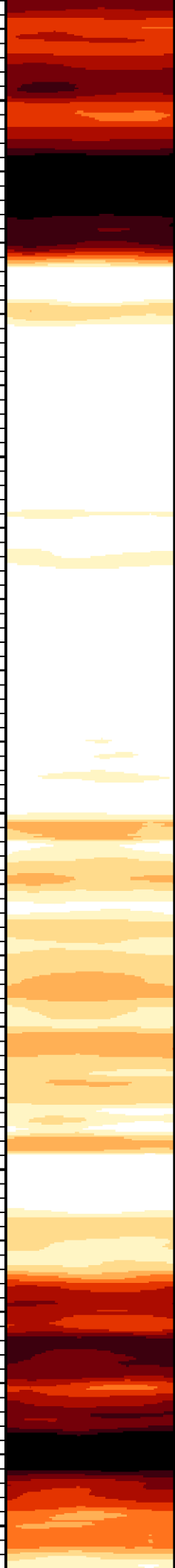


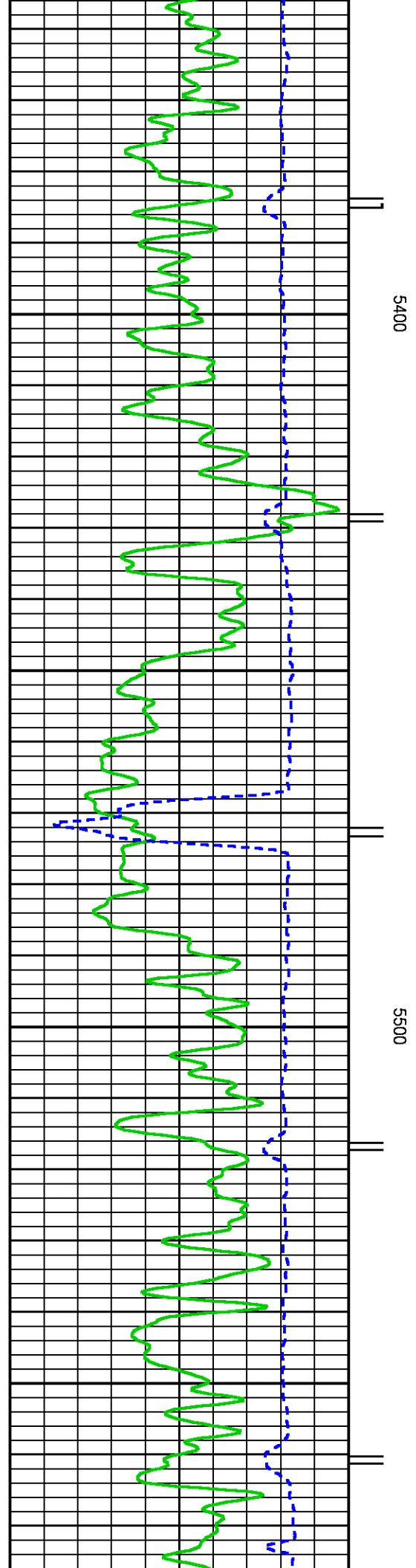
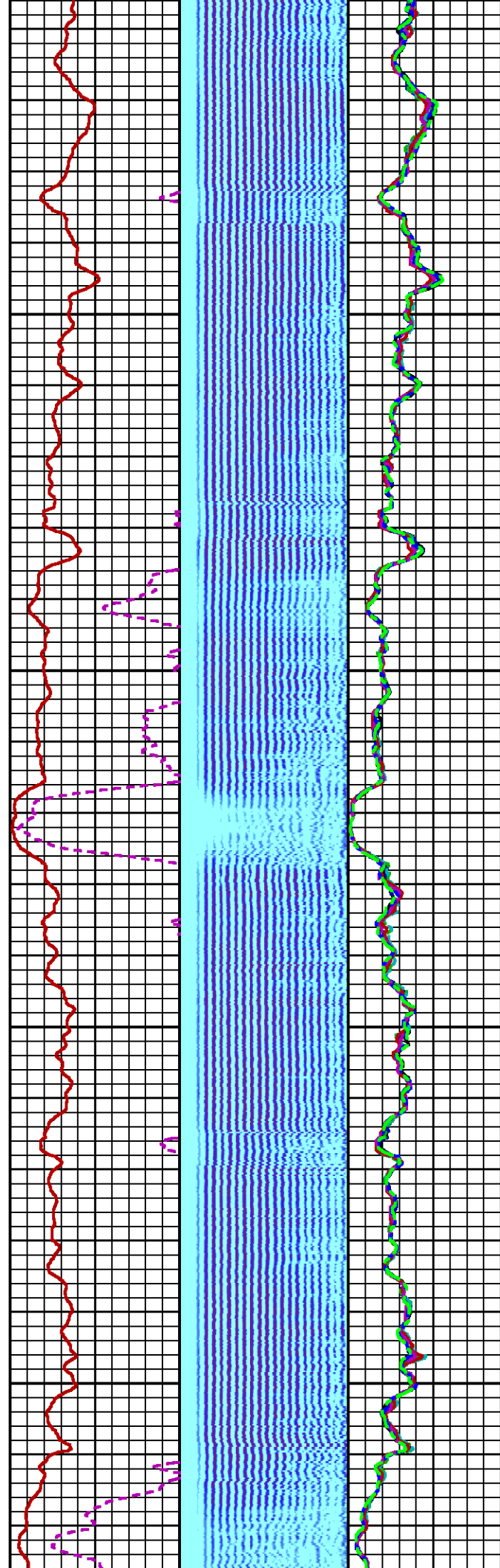
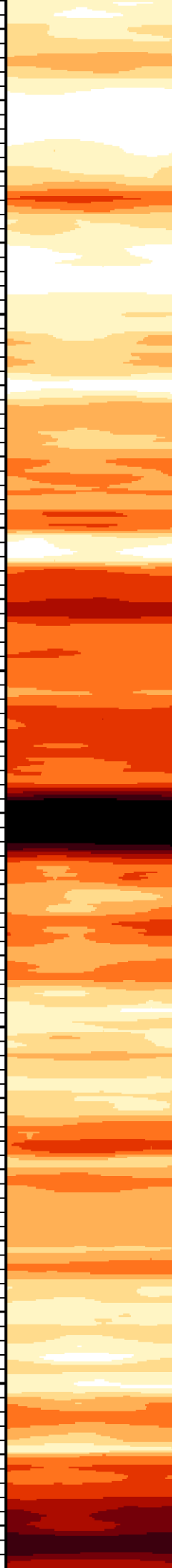


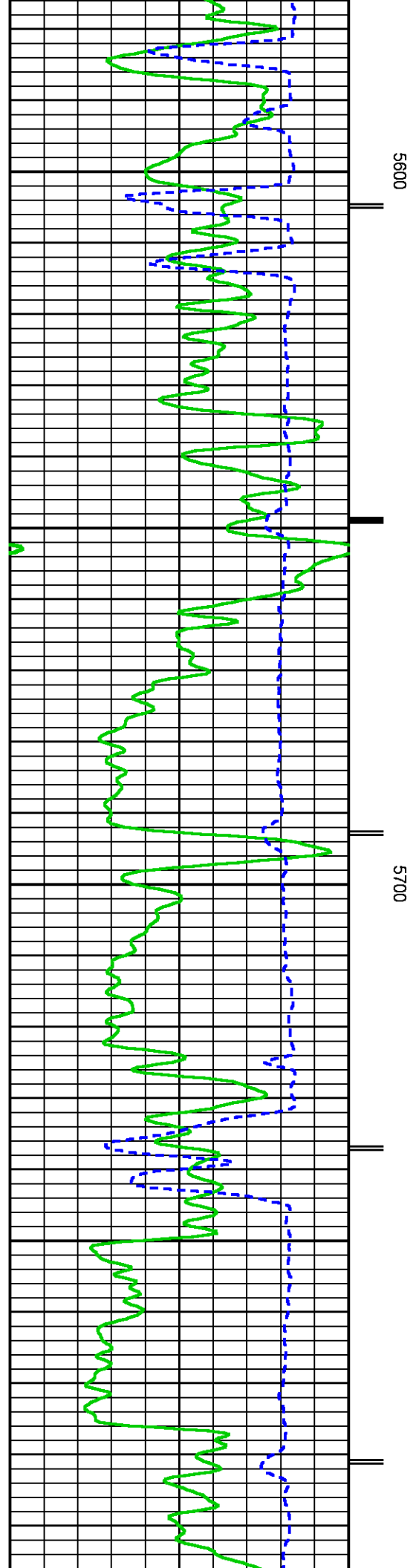
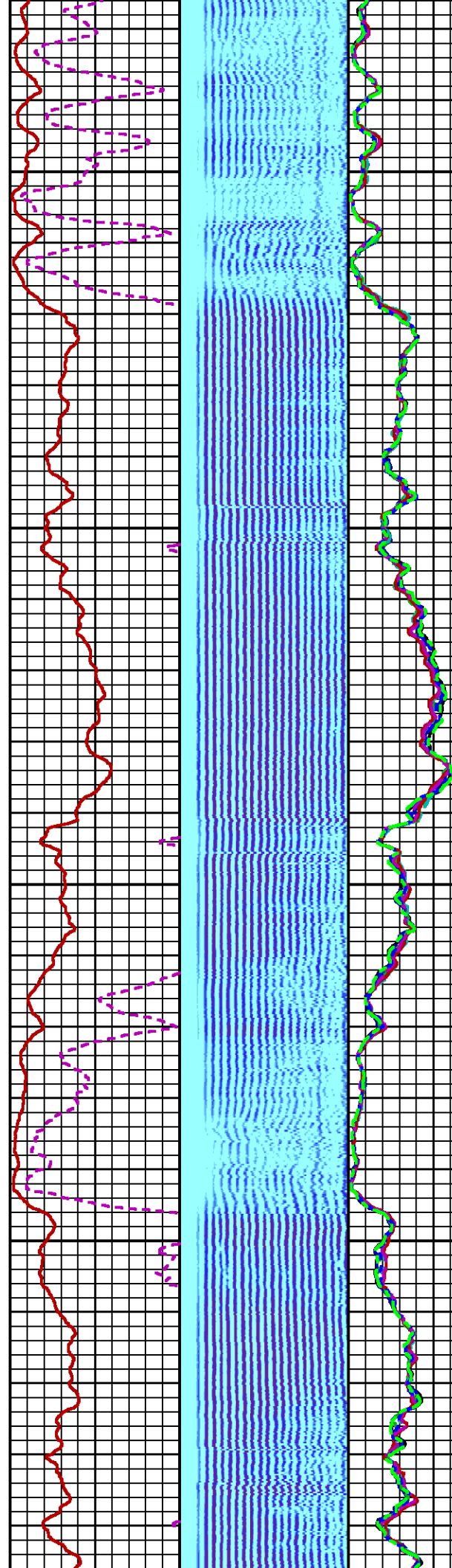
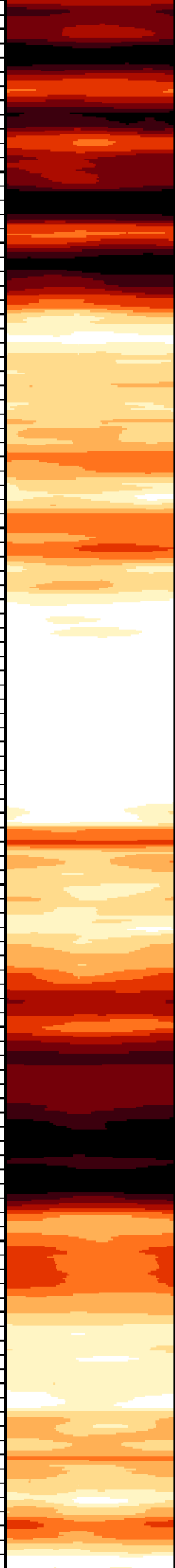


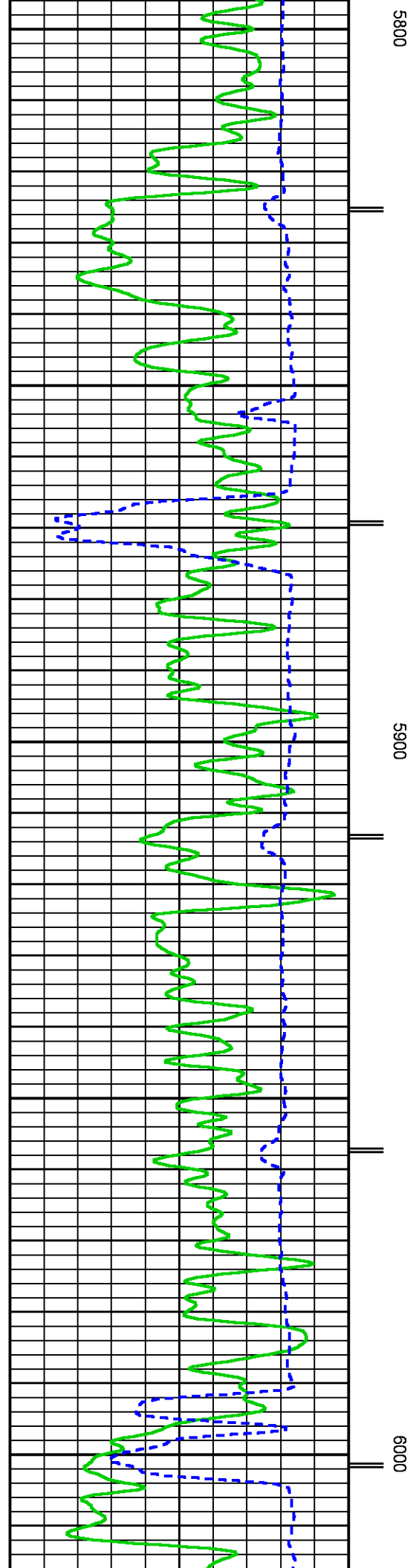
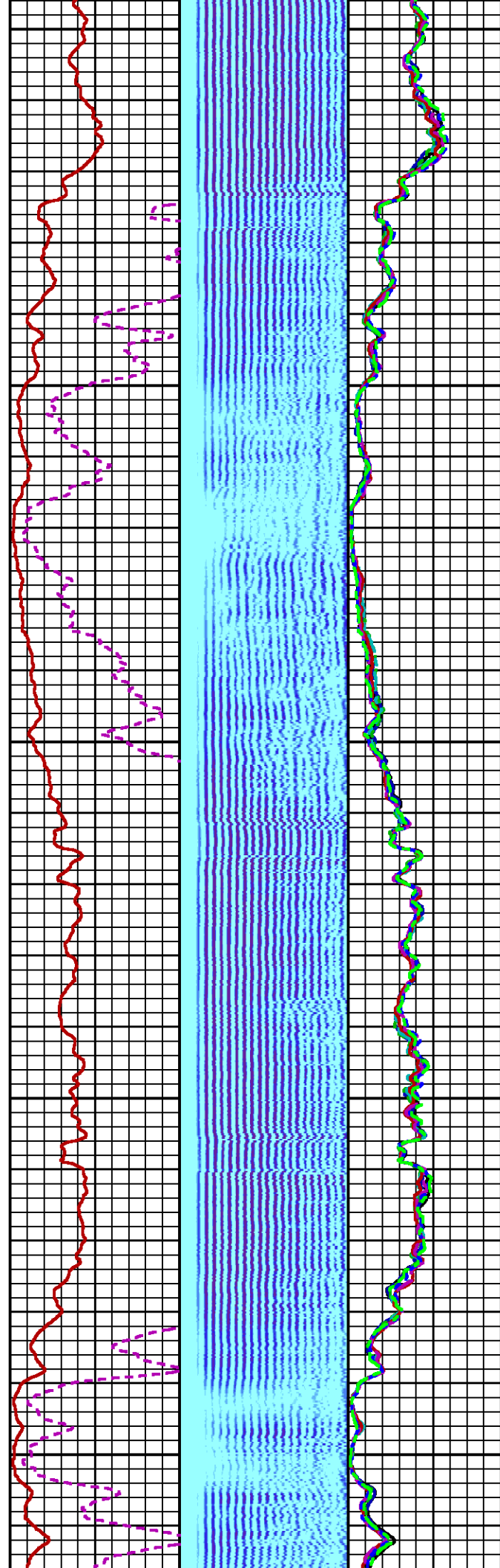
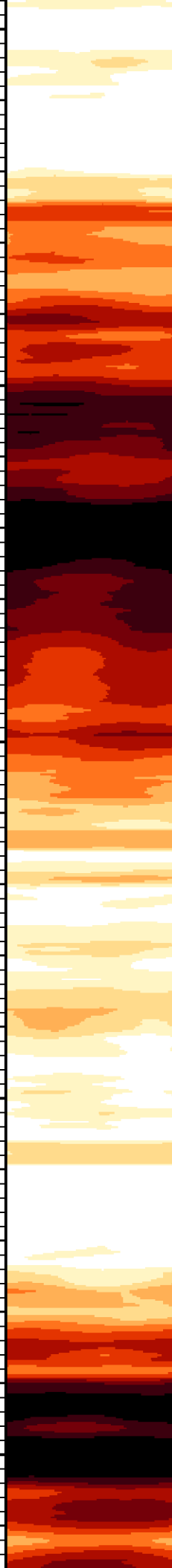


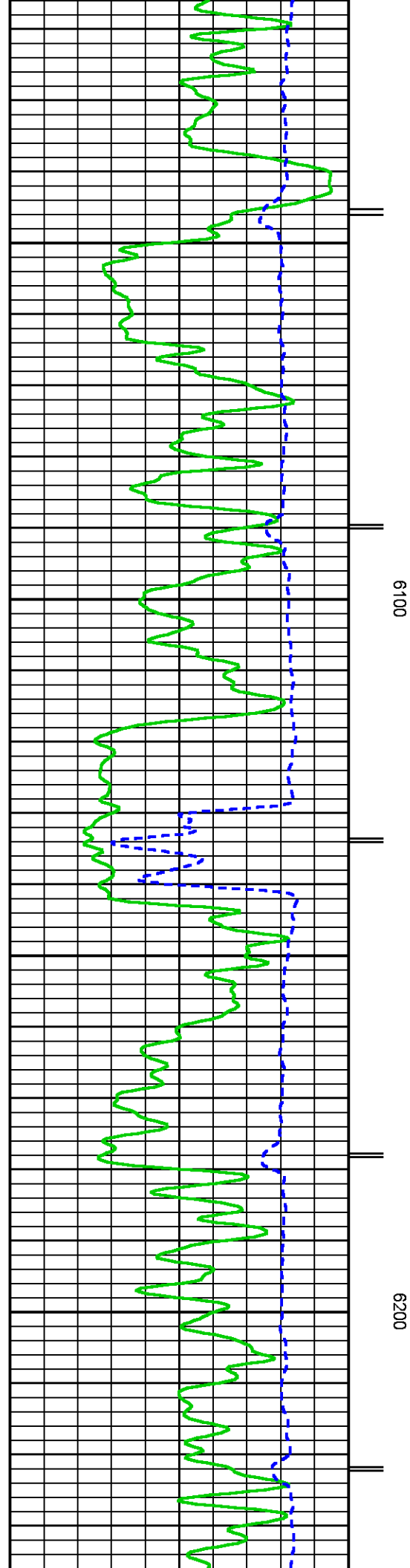
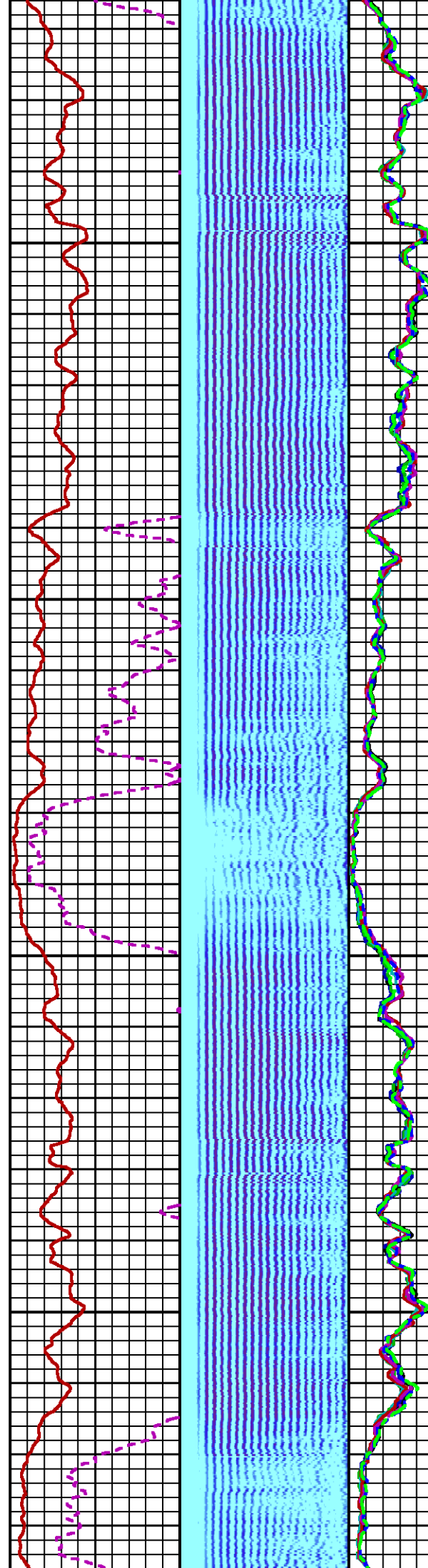
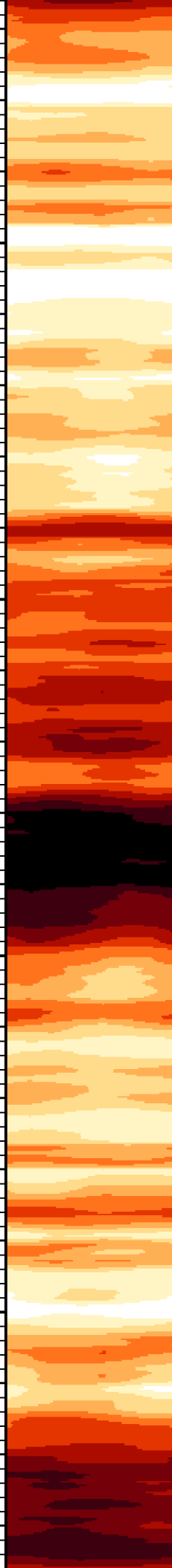


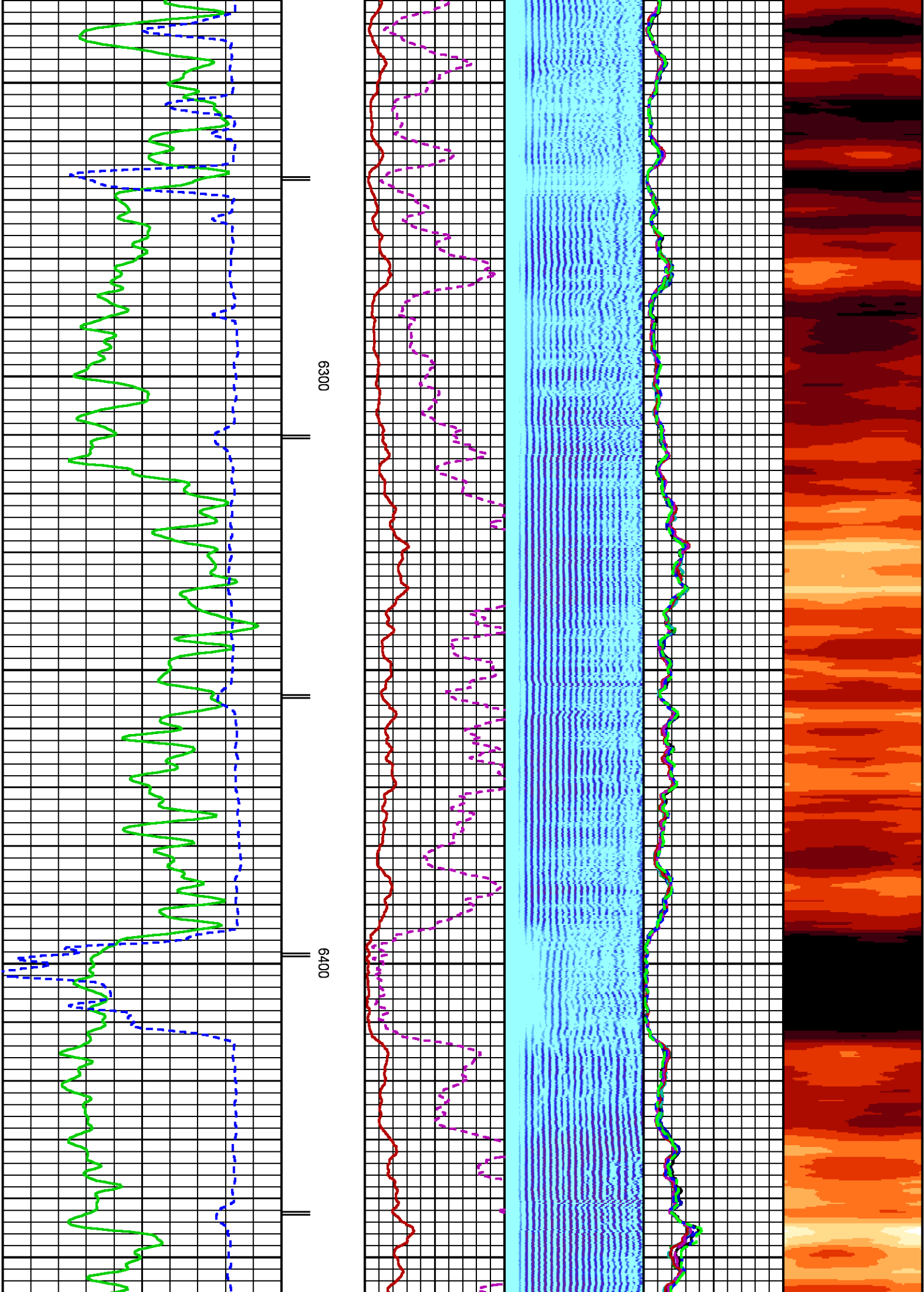


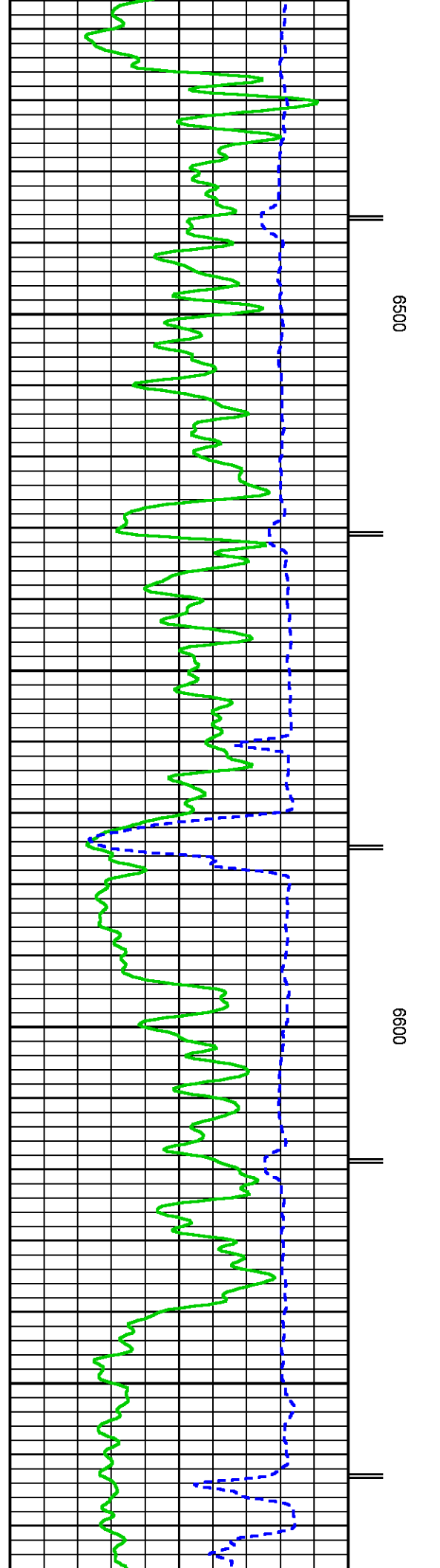
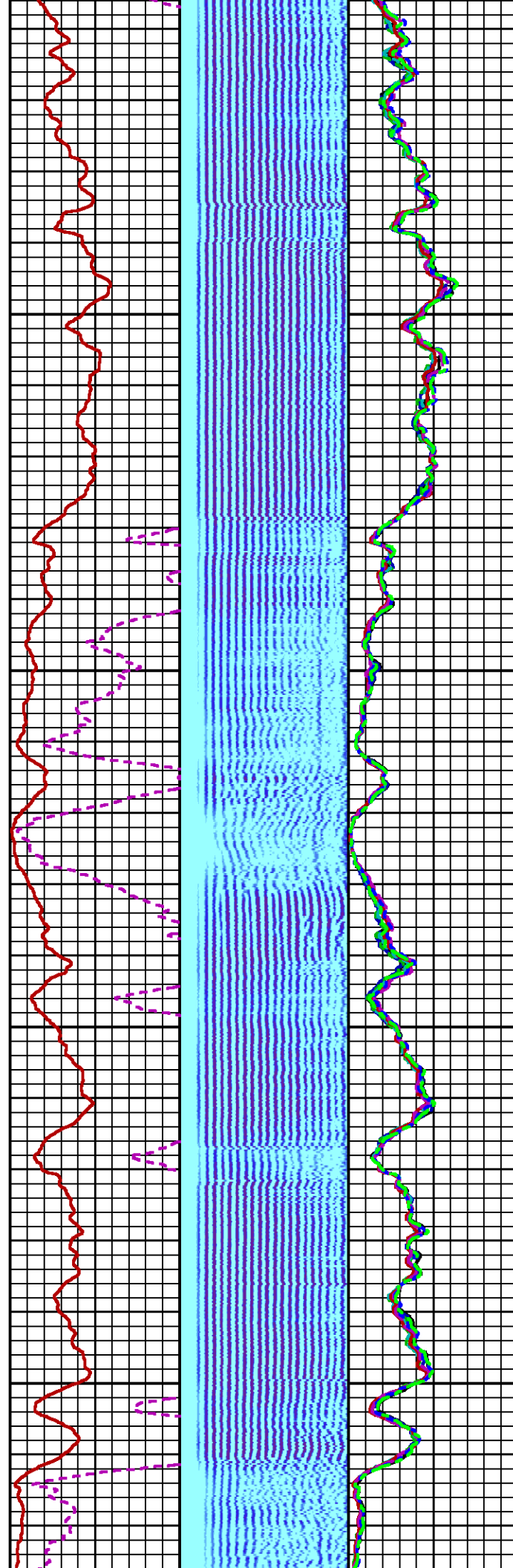
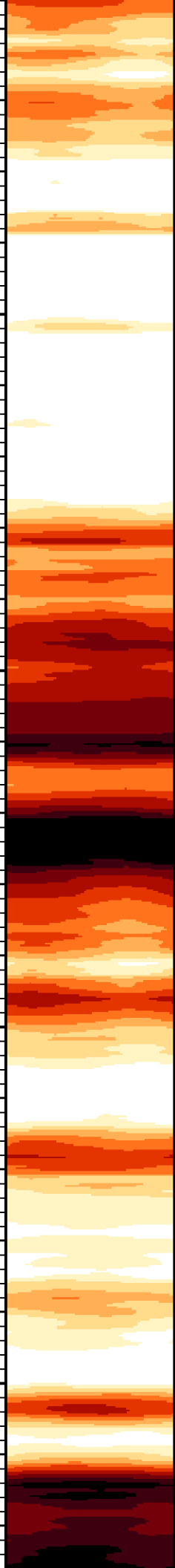


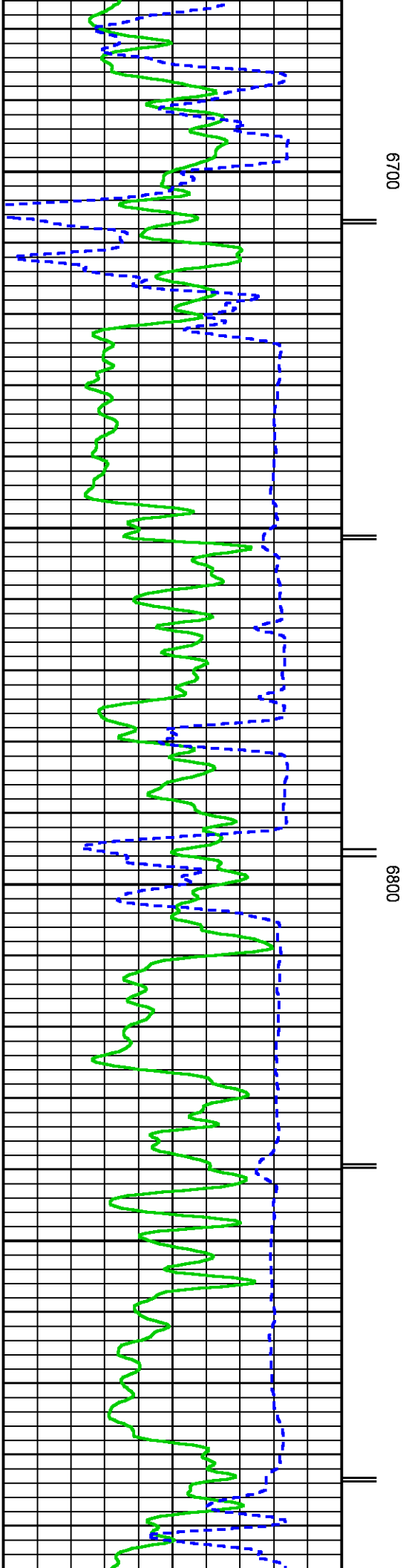
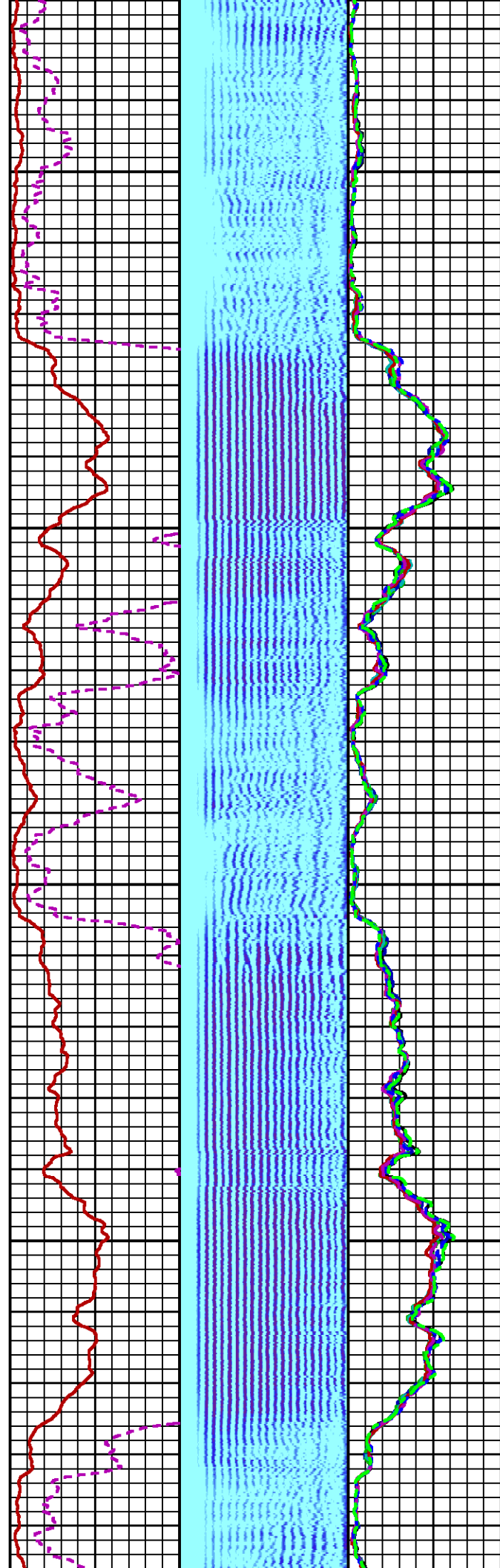
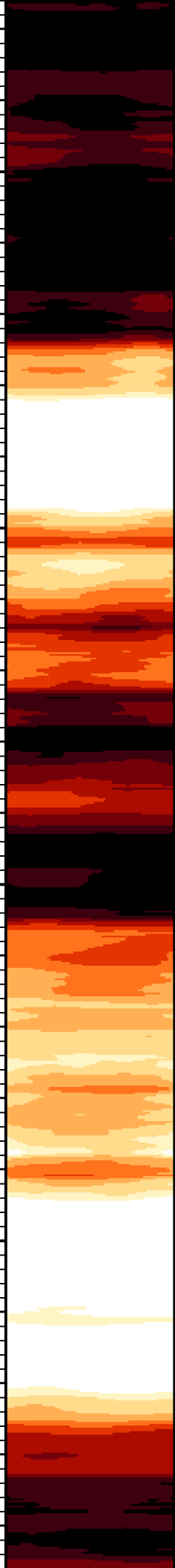


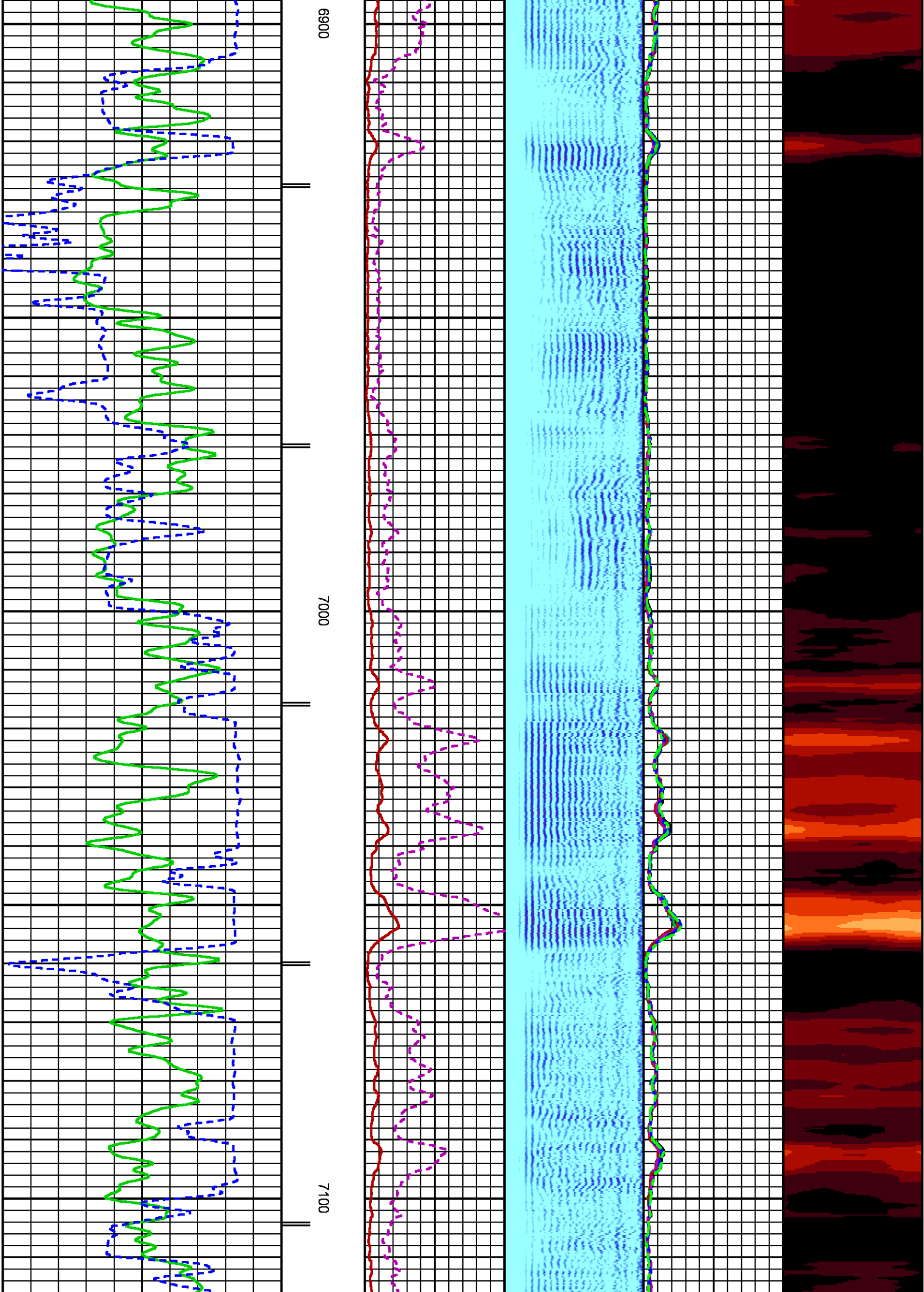


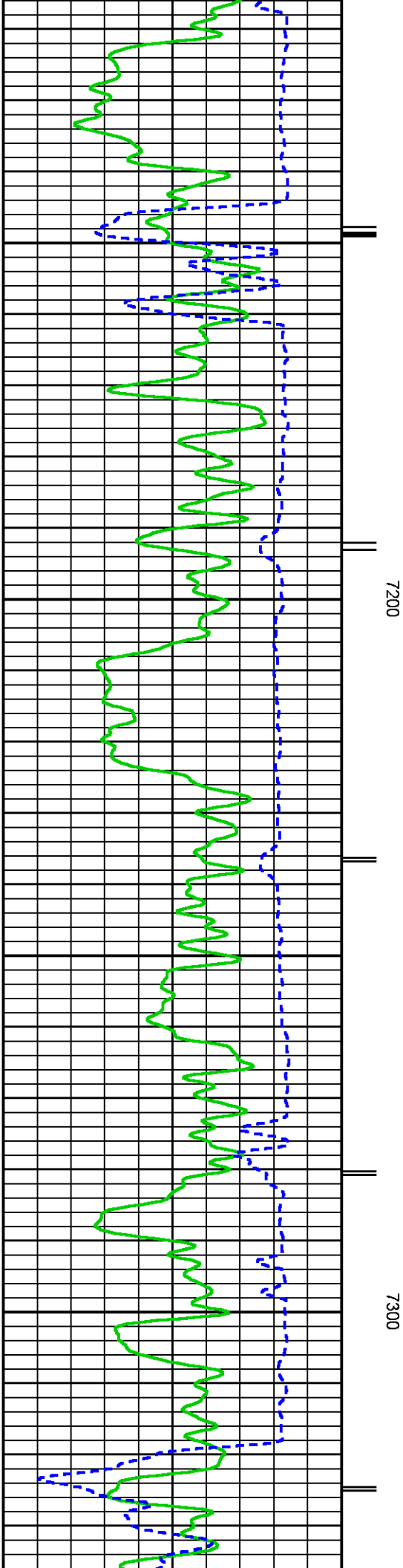
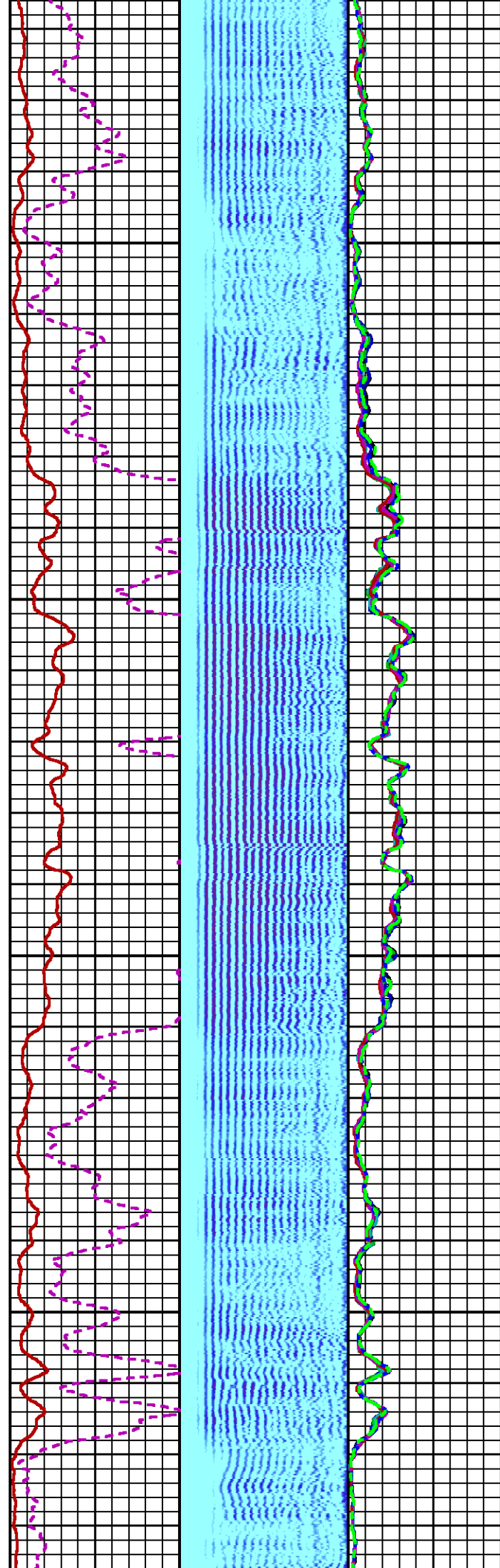
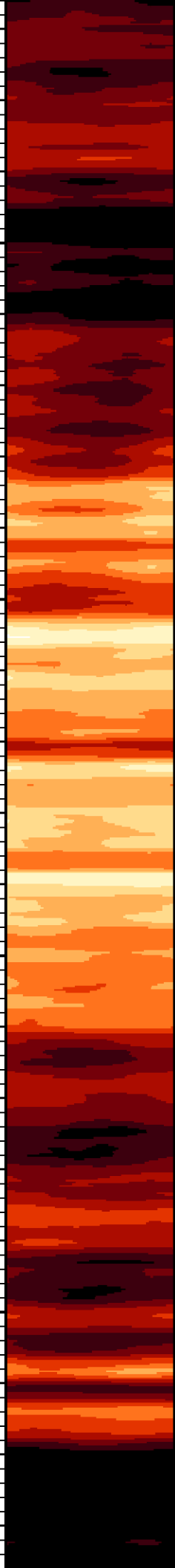


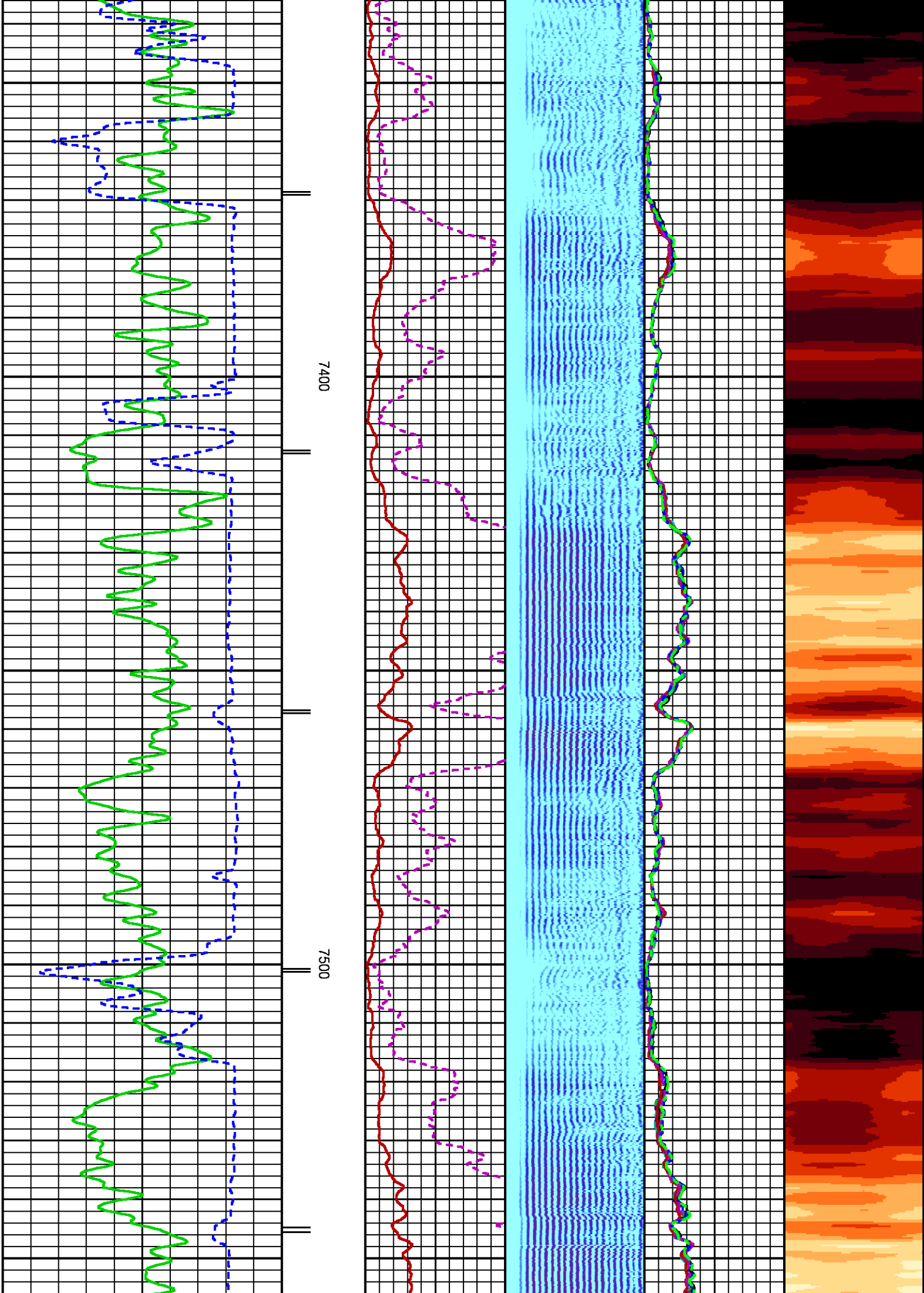


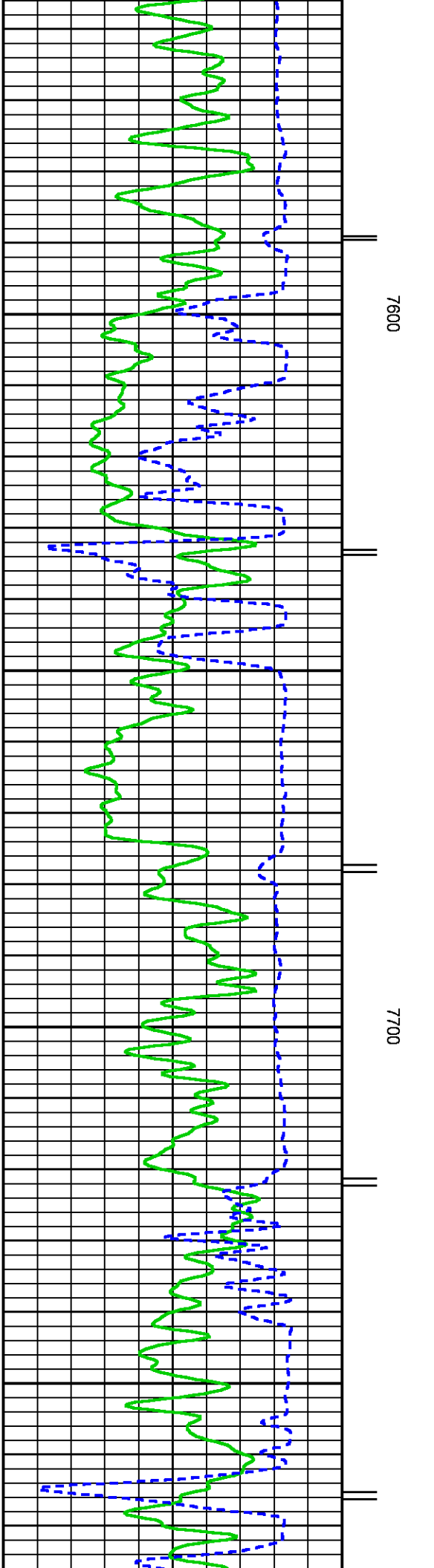
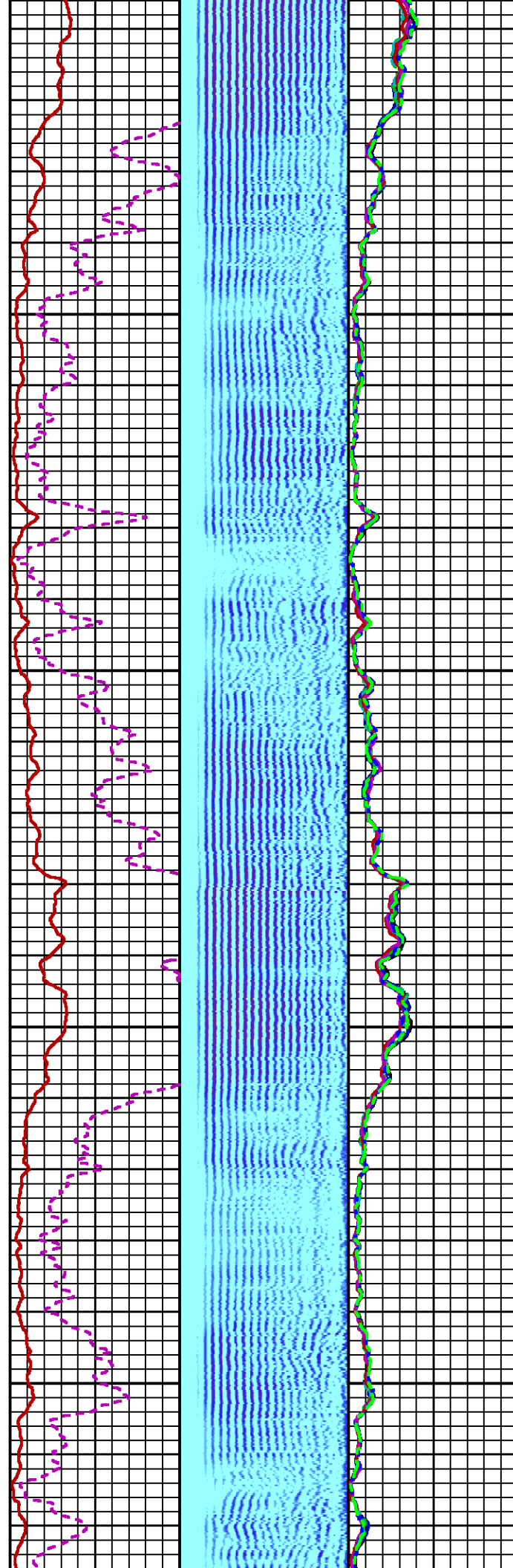
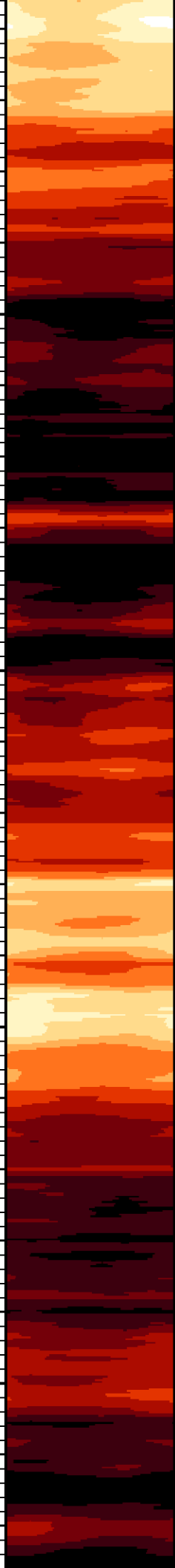


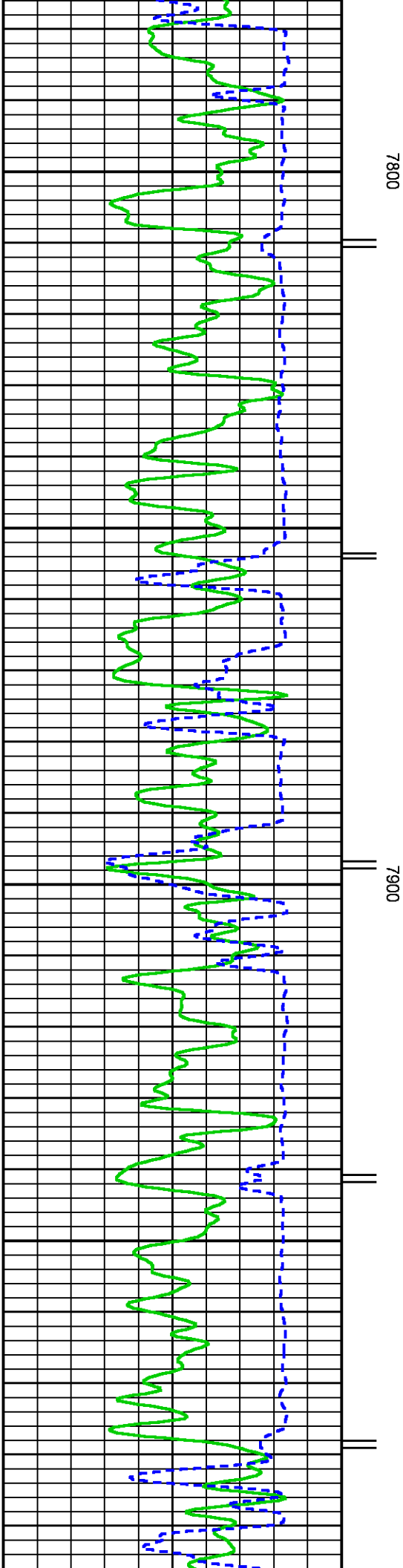
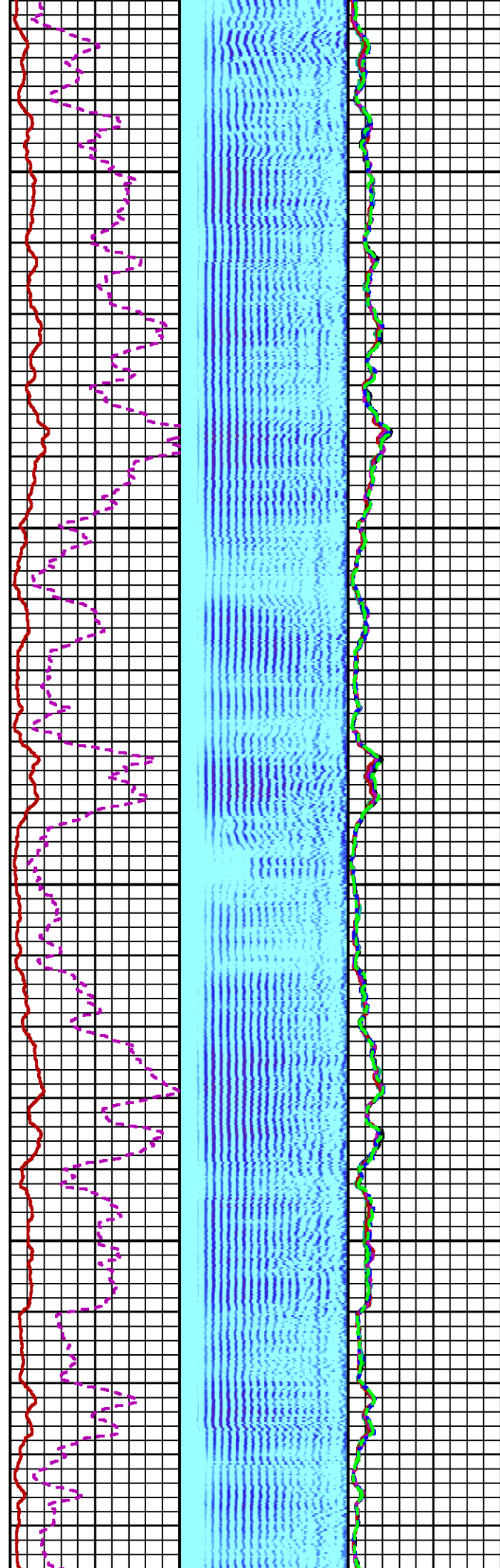
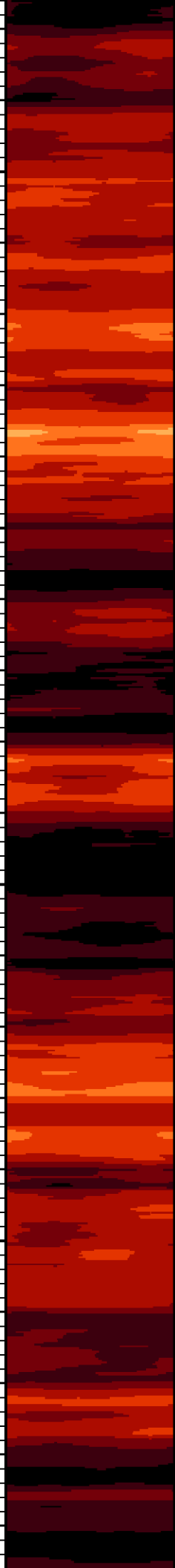


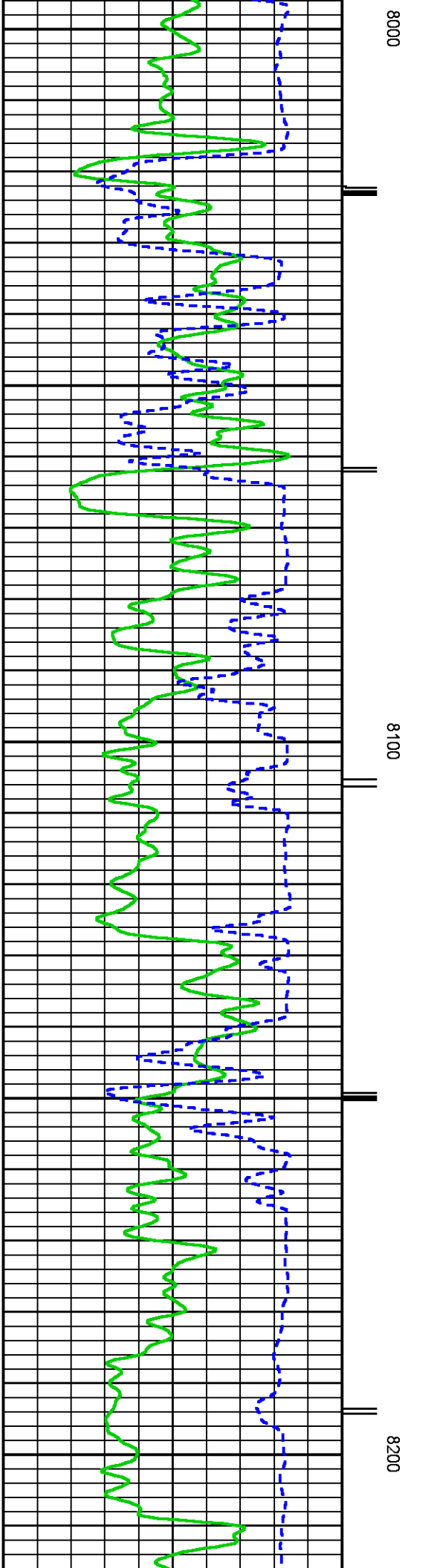
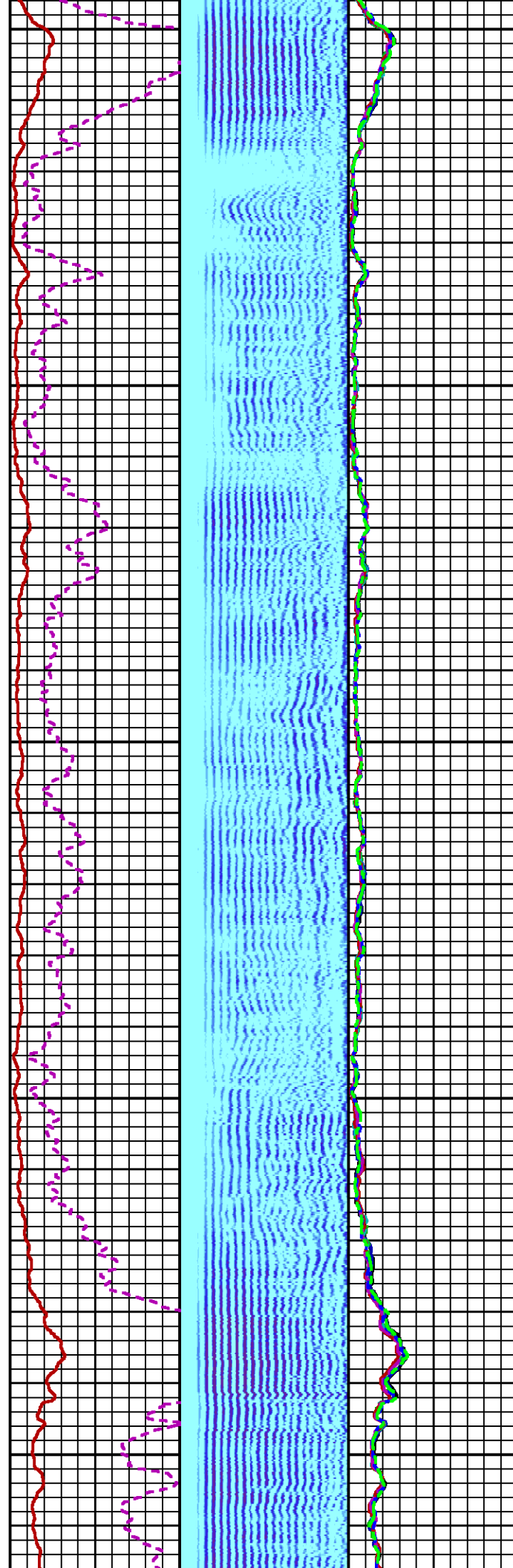
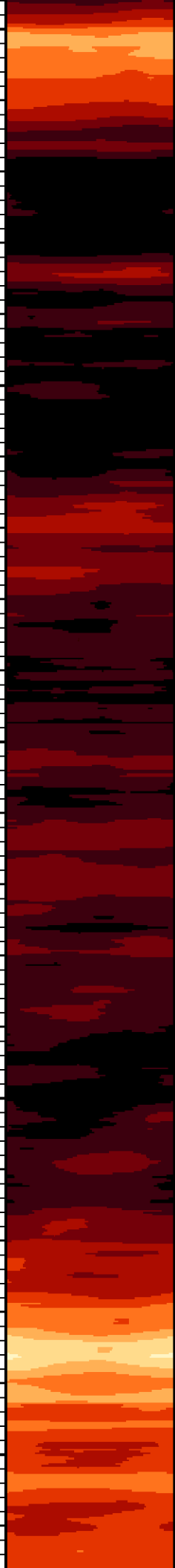


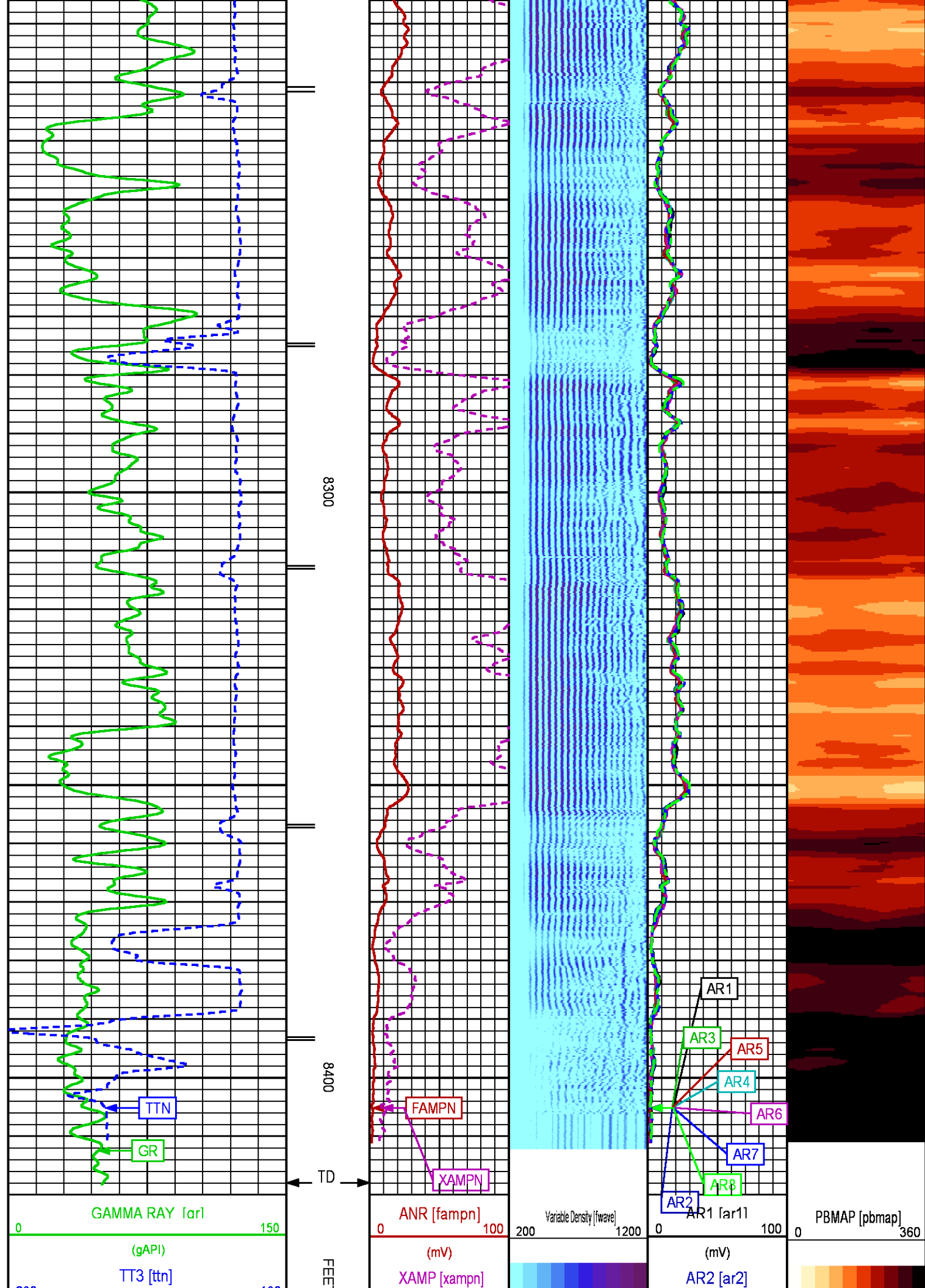












CURVE DESCRIPTION REPORT

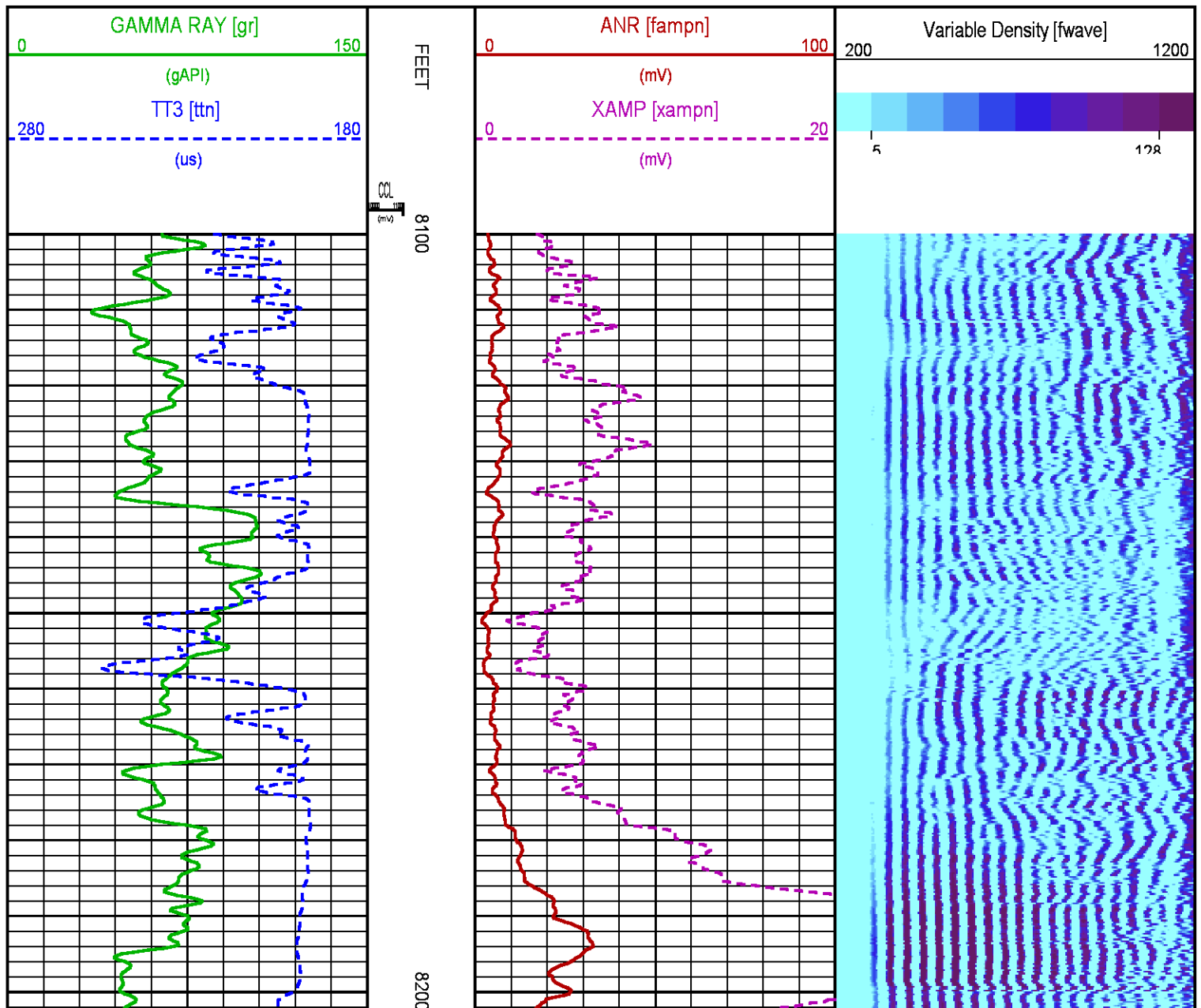
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jan 9 08:35:12 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 9 08:35:12 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 9 08:35:12 2015	FAR WAVE FORM
F1:GR	Jan 9 08:35:12 2015	GAMMA RAY
F1:TTN	Jan 9 08:35:12 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 9 08:35:12 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

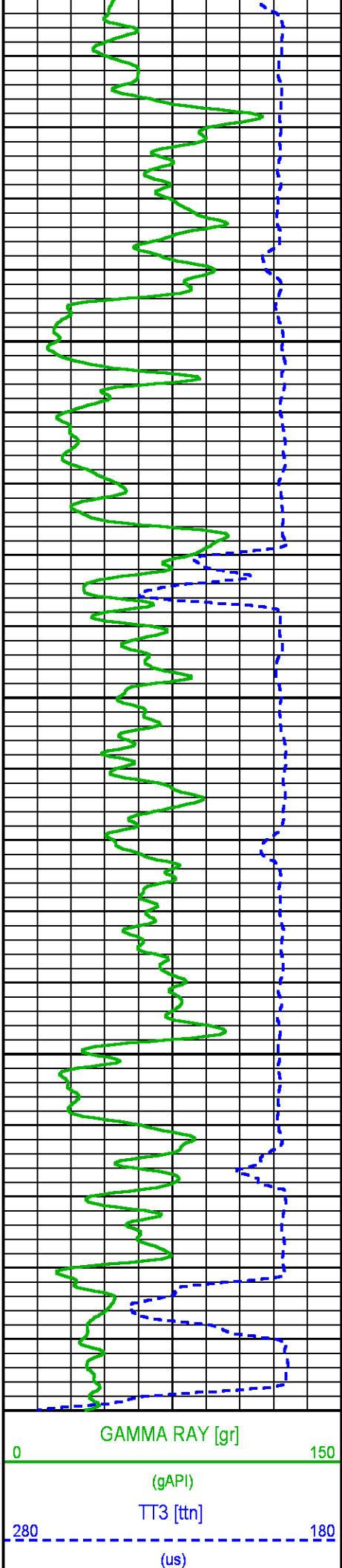
CURVE MEASURE POINT OFFSET

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 : 8100 - 8400 Feet

Data File 1 : F1 : HL6670:/dat1a/CH093867/RAL_REPEAT.xtf
Created On : Jan 9 08:35:12 2015
Company : WPX ENERGY ROCKY MTN LLC
Well : FEDERAL PA 332-27
Field : PARACHUTE
File Interval : 8045 - 8431.75 Feet
OCT : n012e

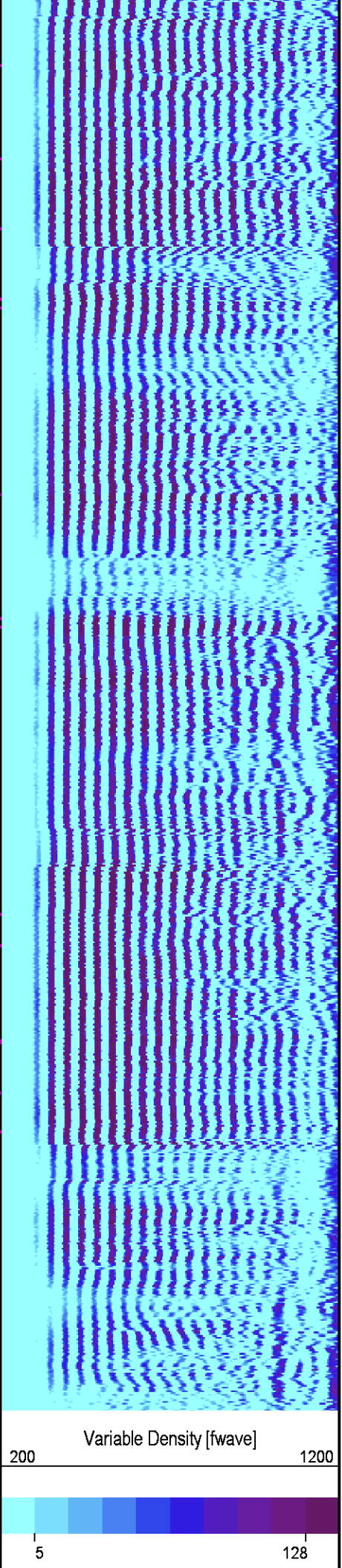
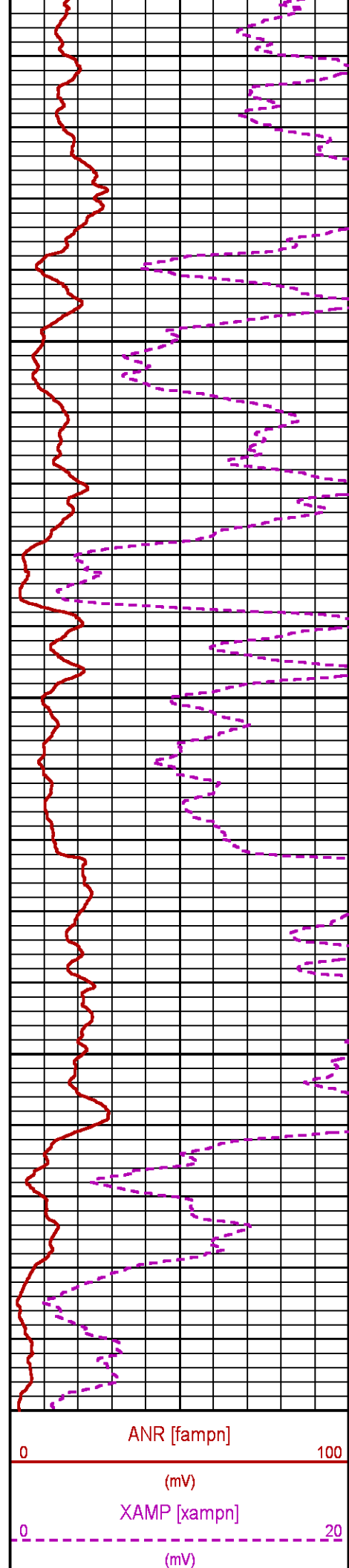




8300

8400

FEET





CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH093867/n012eF.lp1

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	6.49	-0.01
AMP FLUID (mV)	325	324	323	322	320	326	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: Fri Jan 9 08:03:44 2015

DAYS SINCE CAL: 2

UNIT #: 3880TA HL6670

CABLE #: Z06670 SMALLCABLE

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	-0.33	-0.44	-0.45	-0.29	-0.35	-0.24	-0.15	-0.24	-0.29	0.48	0.09
AMP AIR	0.58	0.78	0.82	0.50	0.79	0.66	0.27	0.39	0.73	0.27	100.81

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)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (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

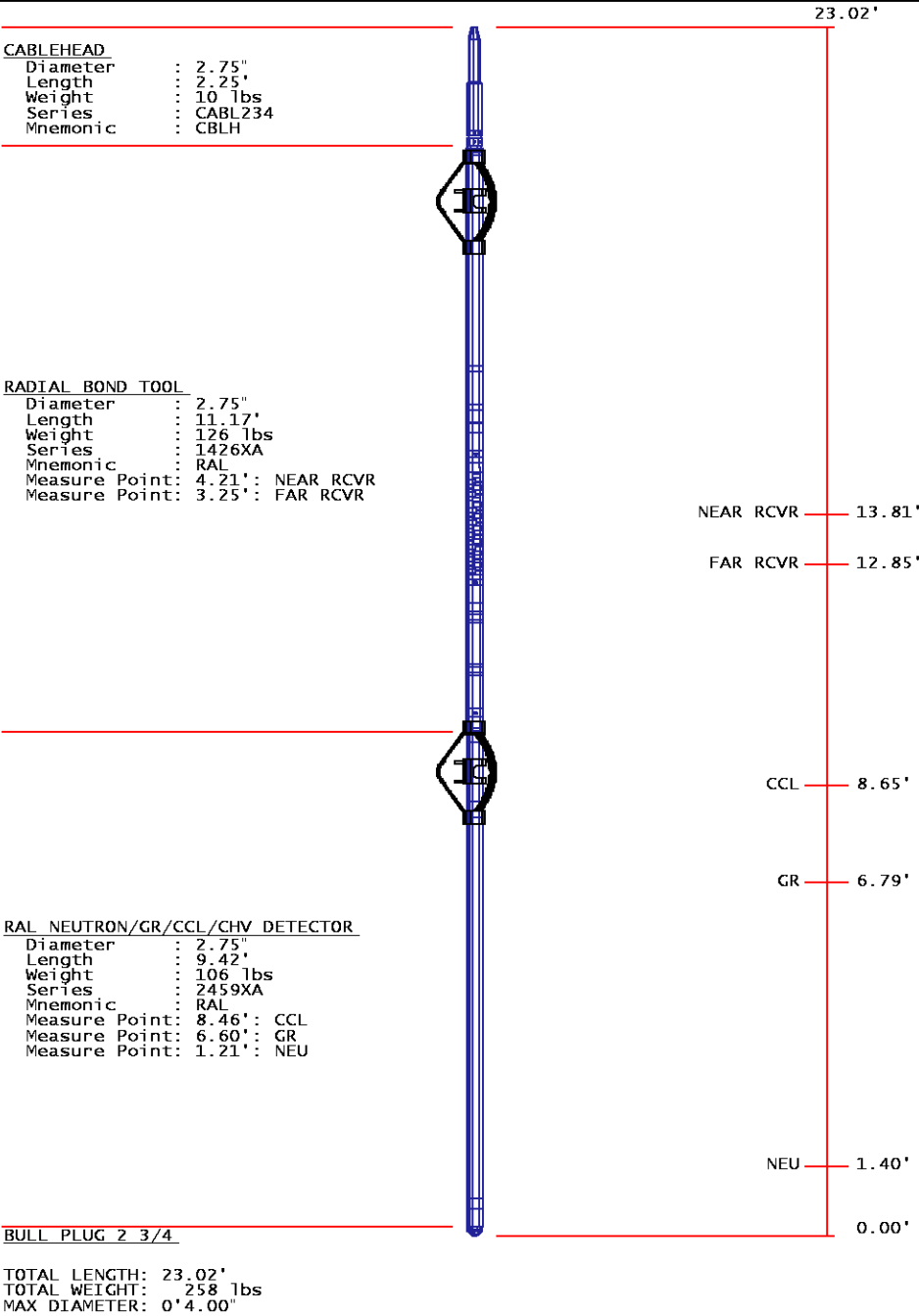
UNIT #: 3880TA HL6670


VERI JIG #: 4702NK DA-041

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

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH093867/n012e~F.tdg



	COMPANY	WPX ENERGY ROCKY MTN LLC		FILE NO:	
	WELL	FEDERAL PA 332-27			US093867
	FIELD	PARACHUTE		API NO:	
	COUNTY	GARFIELD	STATE	CO	0504522400000
LOCATION:				ELEVATIONS:	S27 T6S R95W
SHL: 2360' FNL; 648' FEL				KB 5882 FT	PAD: DOE 2-W-27
BHL: 2170' FNL; 1594' FEL				DF	RIG: NABORS 576
SEC 27		TWP 6S	RGE 95W	GL 5856 FT	
			DATE	09-Jan-2015	