



FILE NO: CH096705	COMPANY WPX ENERGY
API NO: 05103119840000	WELL FEDERAL RGU 443-26-198
	FIELD SULPHUR CREEK
	COUNTY RIO BLANCO
	STATE COLORADO
Ver. 4.01 SEC 26 T1S R98W 42-26-198 H&P 318	LOCATION: SHL: 2455' FNL 914' FEL BHL: 2185' FSL 881' FEL SEC 26 TWP 1S RGE 98W
PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	OTHER SERVICES RPM ELEVATIONS: KB 6646 FT DF GL 6622 FT

DATE		29-May-2015		
RUN	TRIP	1	1	
SERVICE ORDER		US096705J		
DEPTH DRILLER		12533 FT		
DEPTH LOGGER		12513 FT		
BOTTOM LOGGED INTERVAL		12503 FT		
TOP LOGGED INTERVAL		0 FT		
TIME STARTED		8:30		
TIME FINISHED		12:30		
OPERATOR RIG TIME		4:00		
TYPE OF FLUID IN HOLE		WATER		
FLUID DENSITY		NA		
FLUID SALINITY		NA		
FLUID LEVEL		186 FT		
LOGGED CEMENT TOP		NA		
WELLHEAD PRESSURE		0 PSI		
MAXIMUM HOLE DEVIATION		NA		
NOMINAL LOGGING SPEED		80 F/MN		
MAX. RECORDED TEMP.		277 DEGF		
REFERENCE LOG		NONE		
REFERENCE LOG DATE		NA		
EQUIP. NO.	LOCATION	6685	GRAND JCT	
RECORDED BY		W. QUIGLEY		
WITNESSED BY		MR. COLT STEWART		

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

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
4.5 IN	11.6 LB/F		0 FT	12533 FT

REMARKS

RUN 1 TRIP 1: LOGGED WITH ZERO PSI AT WELLHEAD

BHT = 277 degF

SJ = 7458'-7480'

THANK YOU FOR CHOOSING BAKER HUGHES WIRELINE SERVICES
CREW: FAVORITE/MOORE/QUIGLEY
RIG: H&P 318

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	RAL	1426XA	10417452	CENTRALIZED
1	1	CCL/GR	2459XA	10417457	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: 7

Plotted: Fri May 29 13:21:16 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH096705/n012eR02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 24.250 ft BOTTOM DEPTH: 12532.750 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*)	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

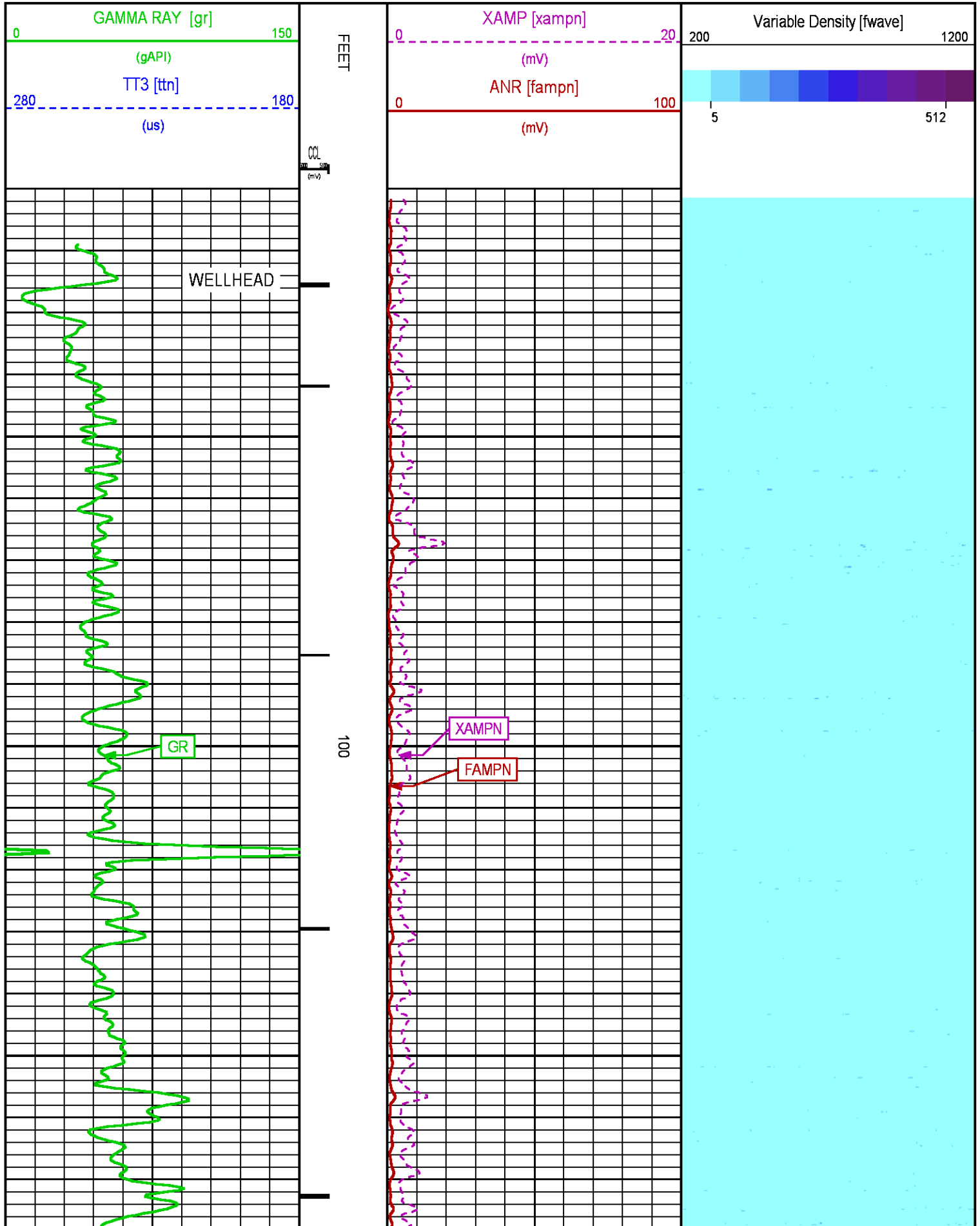
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	May 29 12:54:38 2015	CASING COLLAR LOCATOR
F1:FAMPN	May 29 12:54:38 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	May 29 12:54:38 2015	FAR WAVE FORM
F1:GR	May 29 12:54:38 2015	GAMMA RAY
F1:TTN	May 29 12:54:38 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	May 29 12:54:38 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

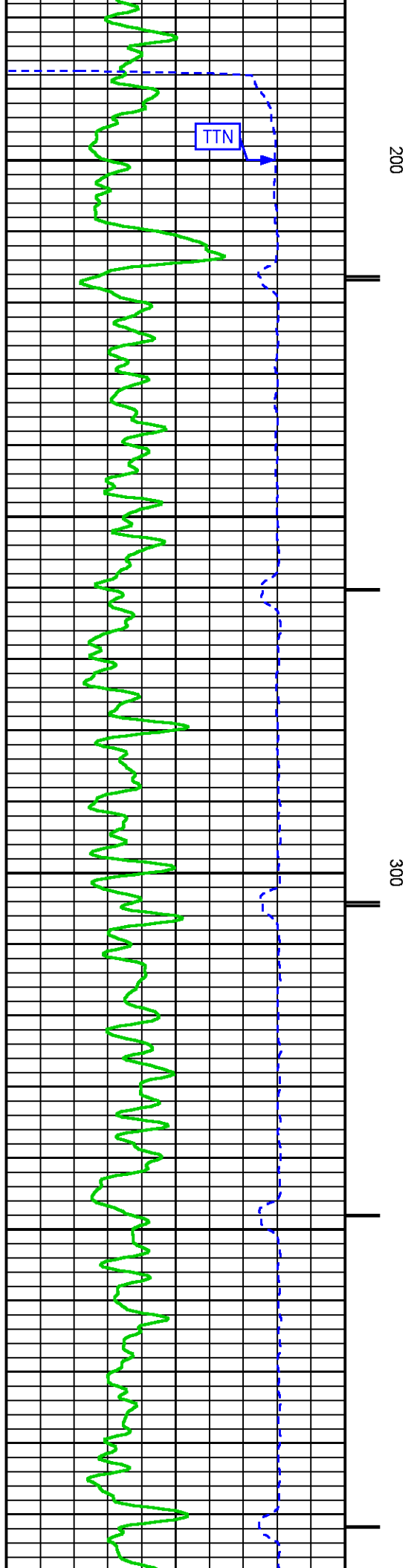
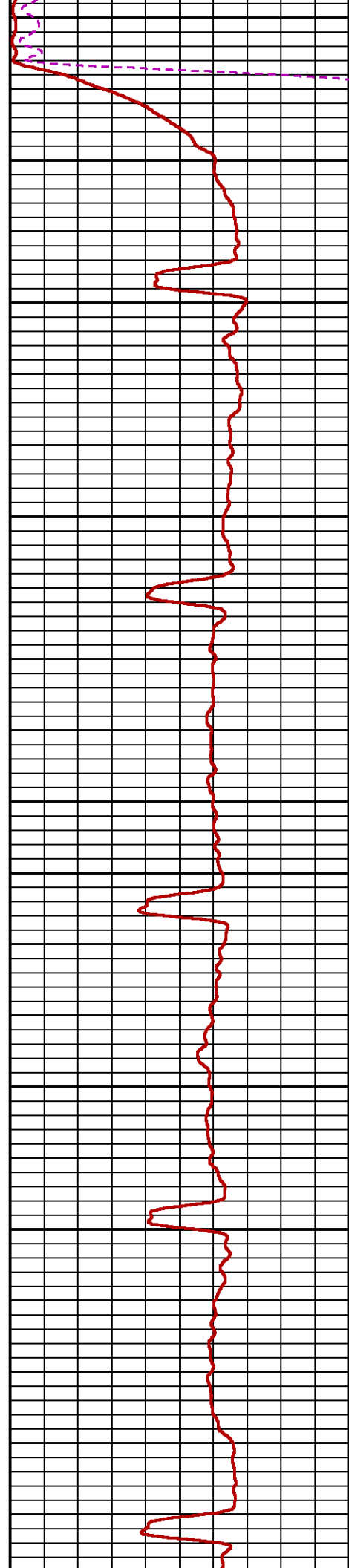
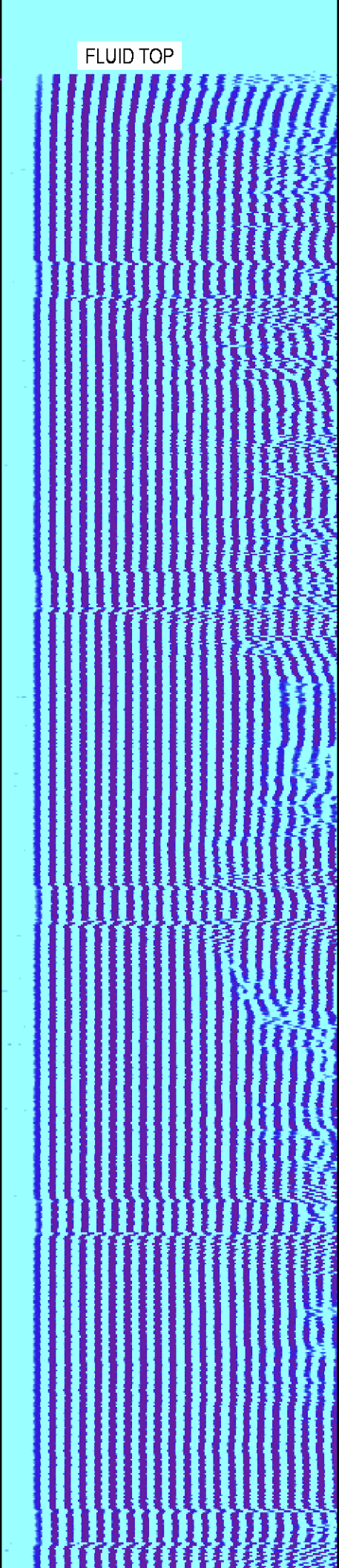
CURVE MEASURE POINT OFFSET

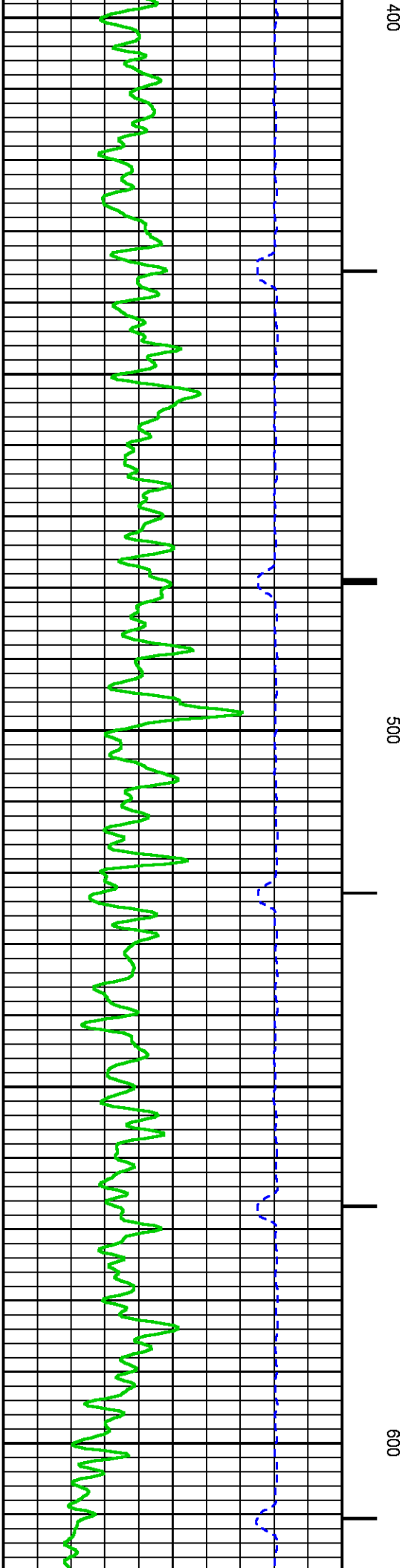
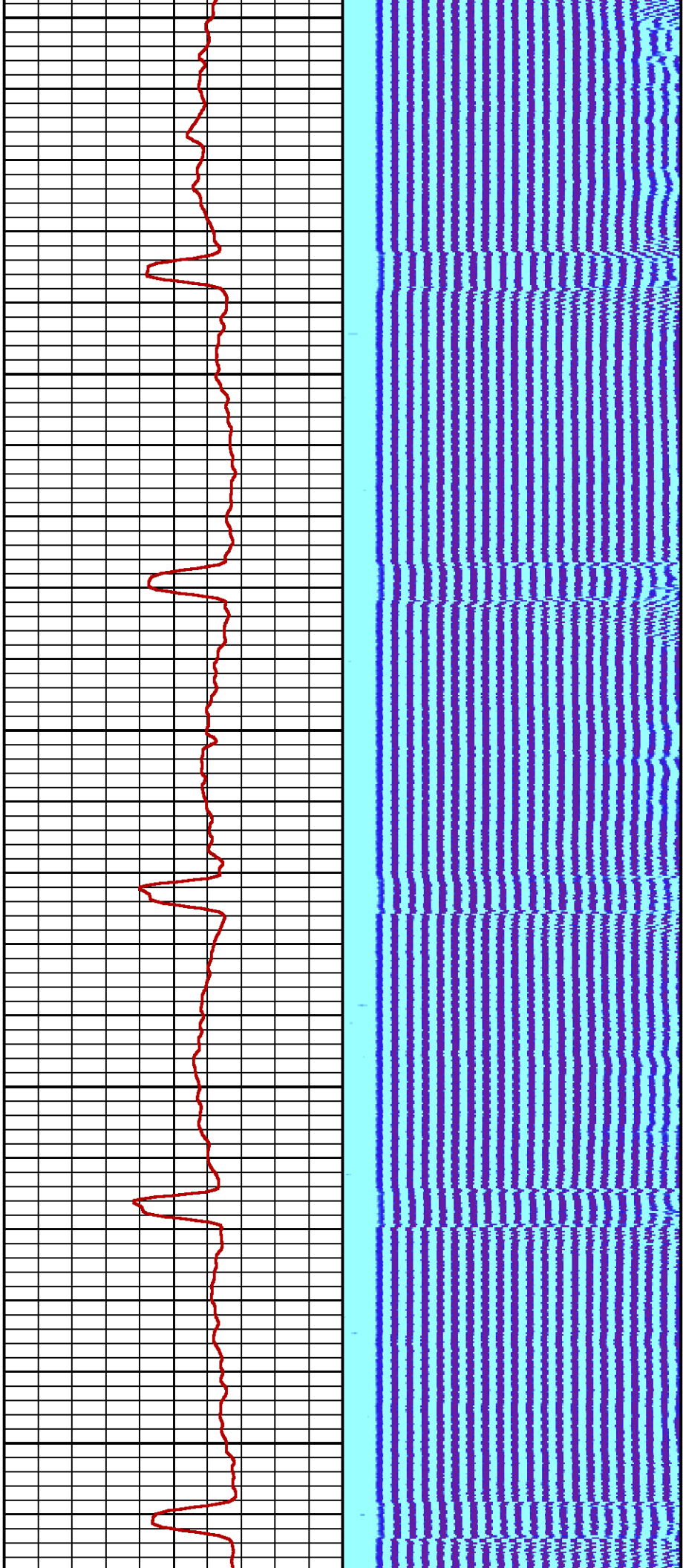
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

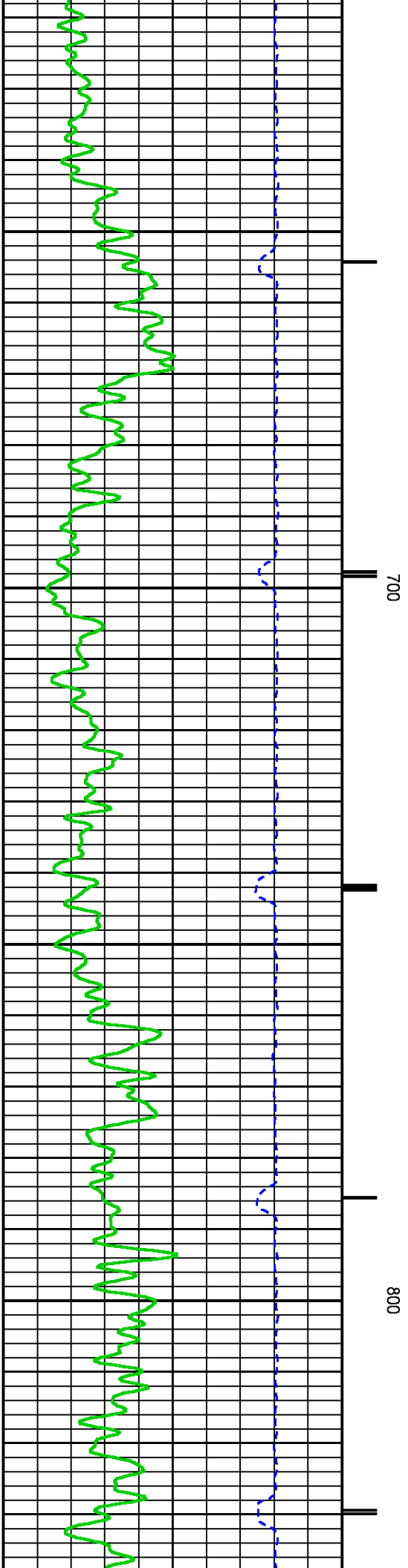
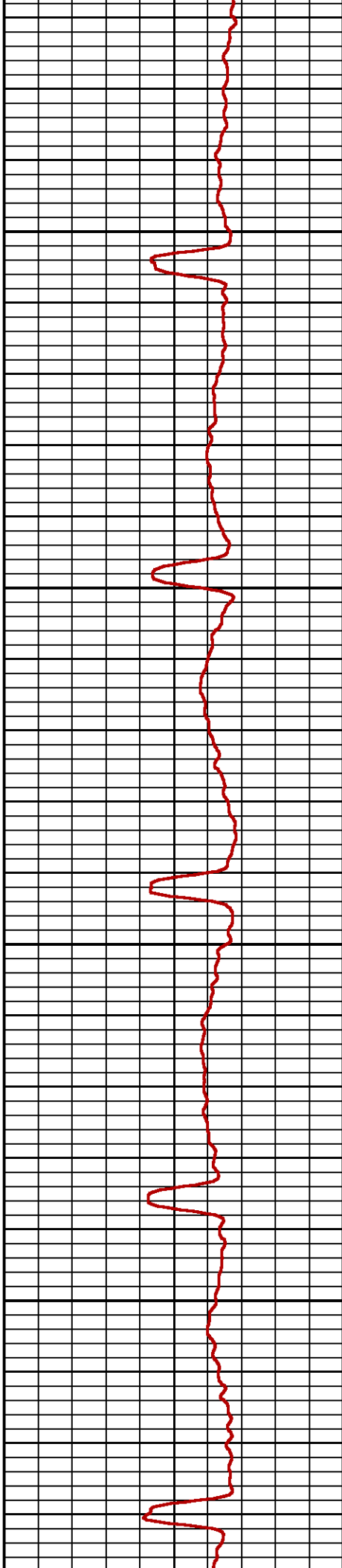
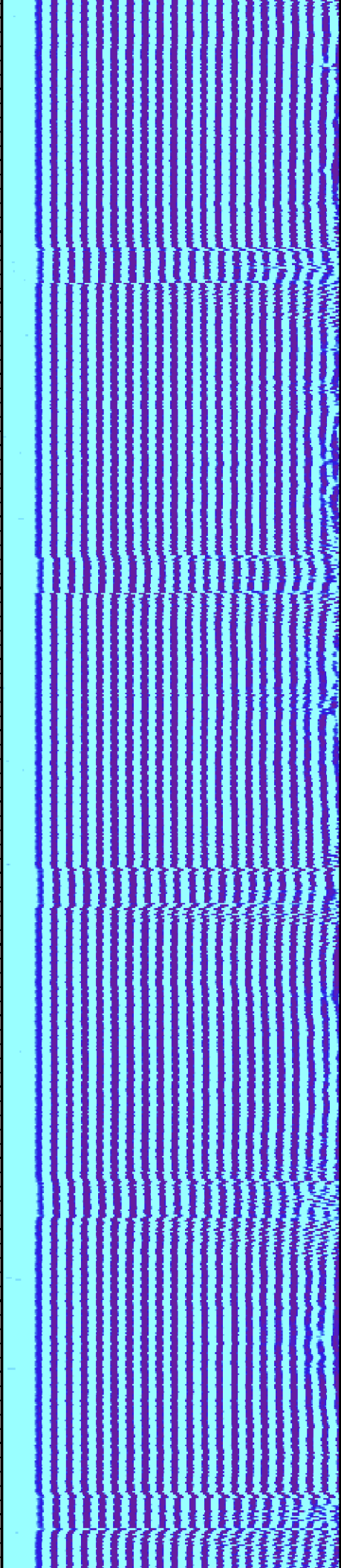
Presentation : cas6685/dat1a/CH096705/WPX_ral_cbl.fvpdf [5"/100' Scale]
Plot Interval : 11.5 - 12531.2 Feet

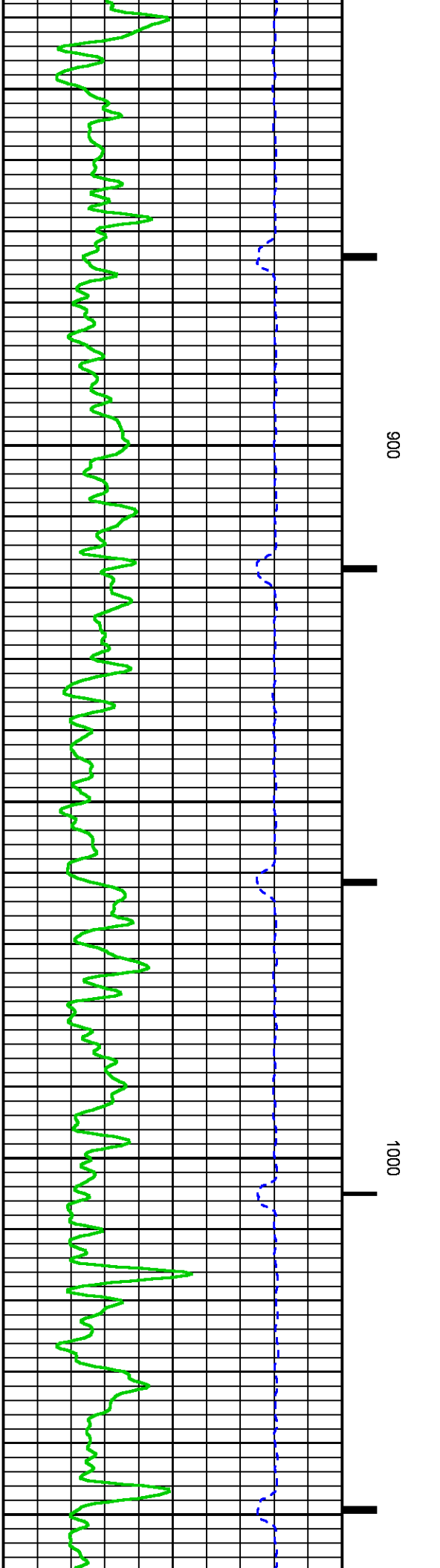
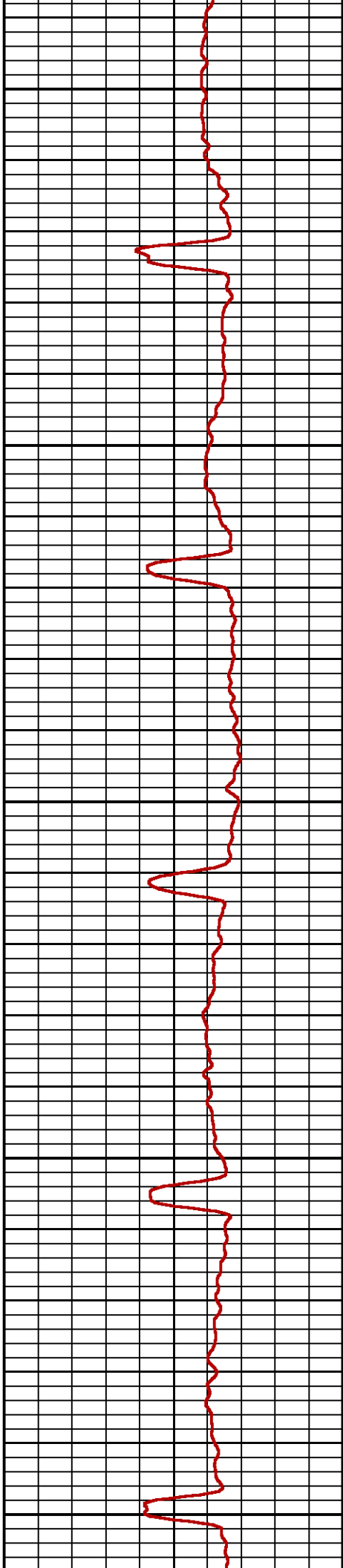
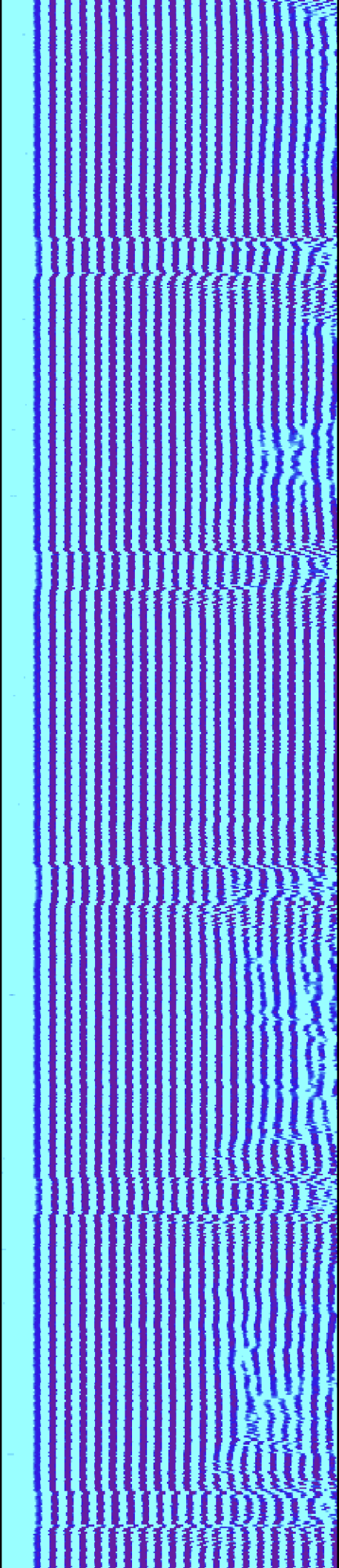
Data File 1 : F1 : cas6685:/dat1a/CH096/05/n012eR02_MAIN.xtf
Created On : May 29 12:54:38 2015
Company : WPX ENERGY
Well : FEDERAL RGU 443-26-198
Field : SULPHUR CREEK
File Interval : 10.5 - 12532.8 Feet
OCT : n012e

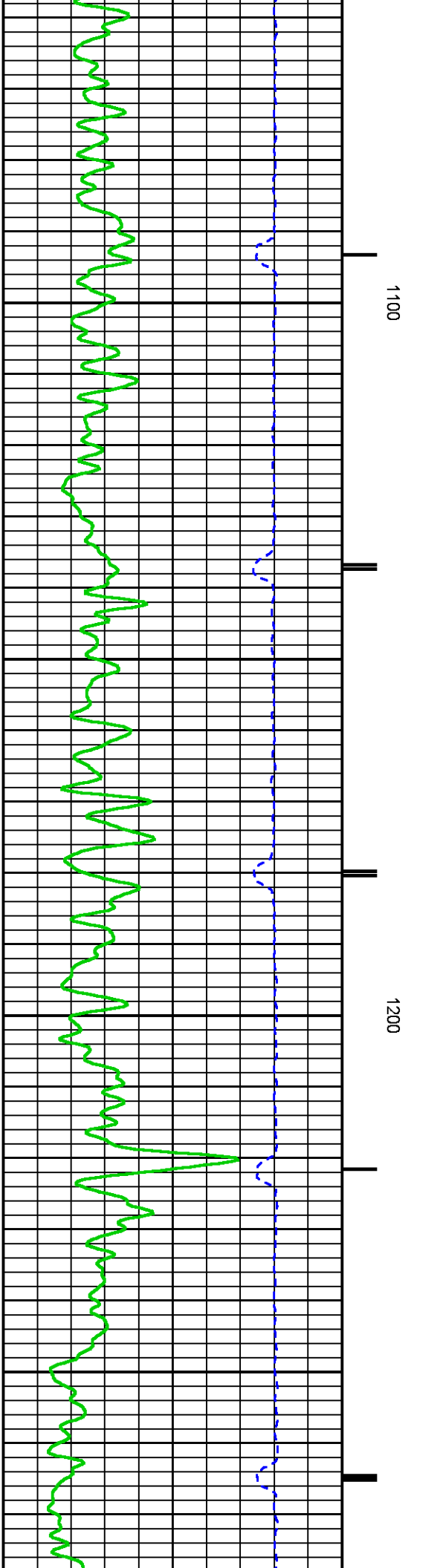
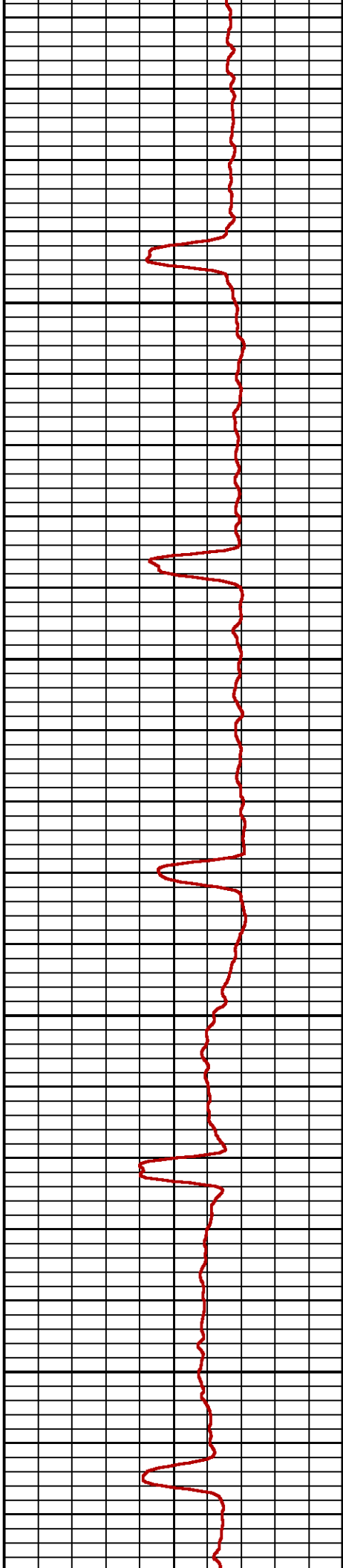
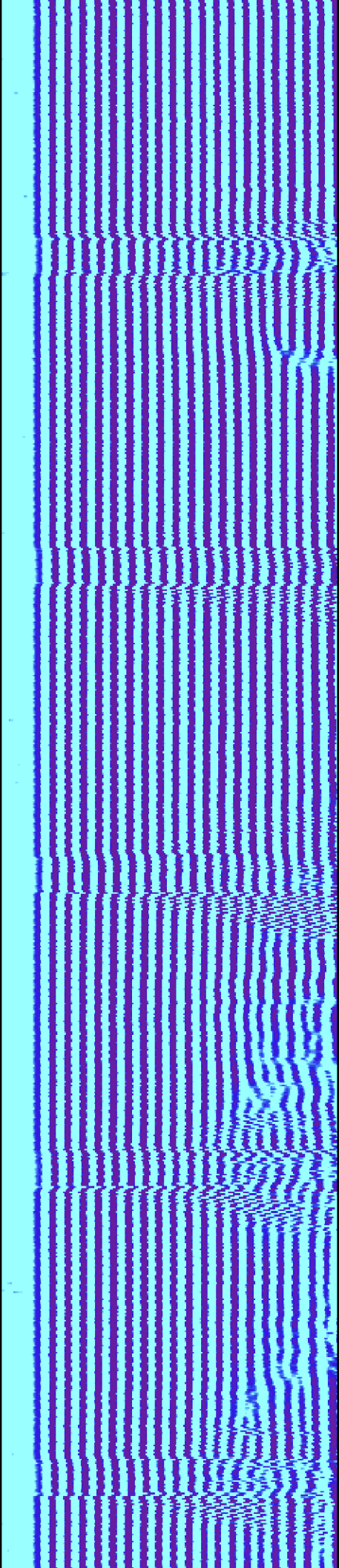


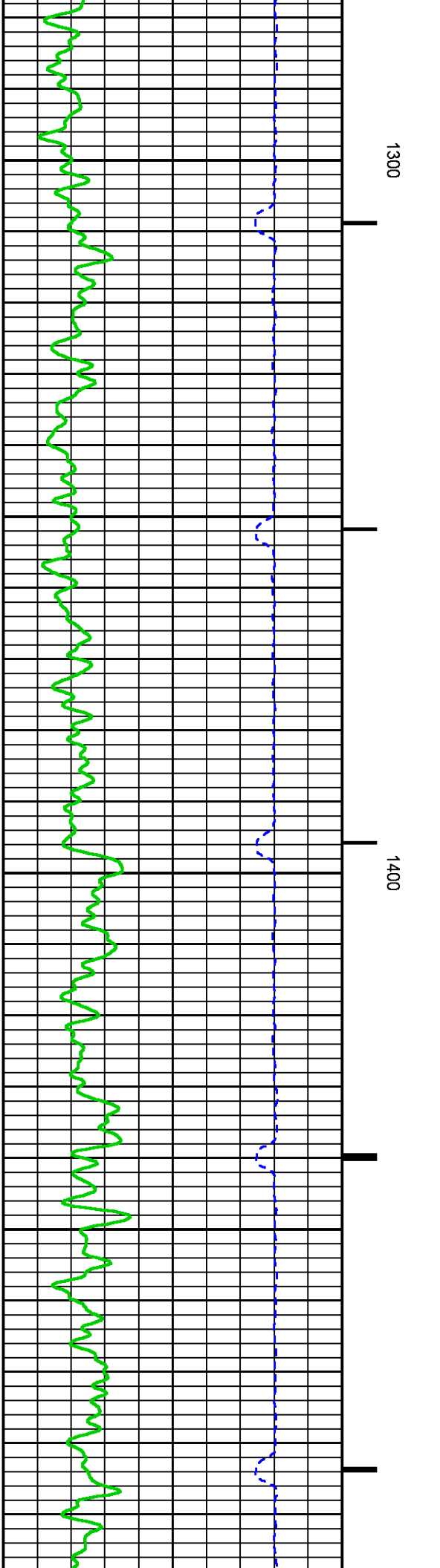
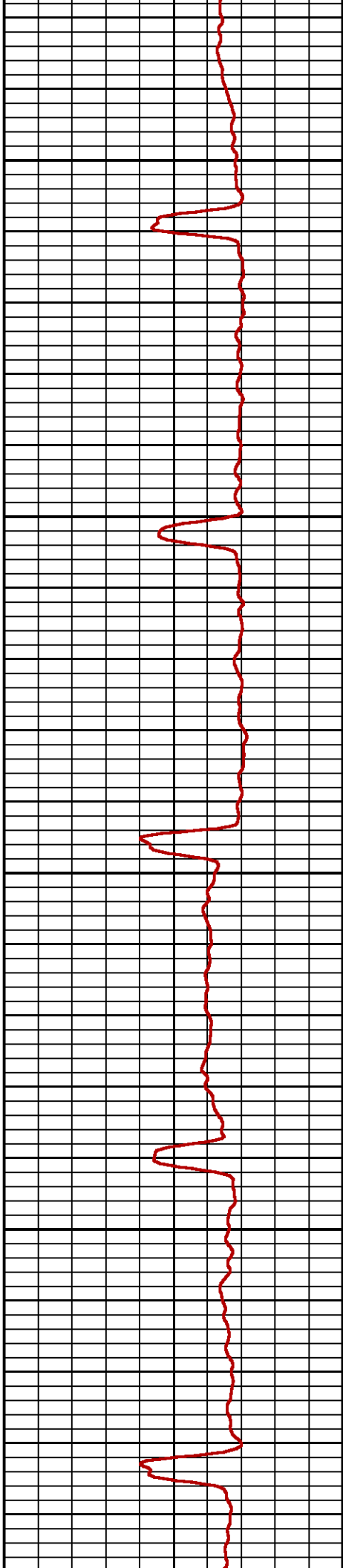
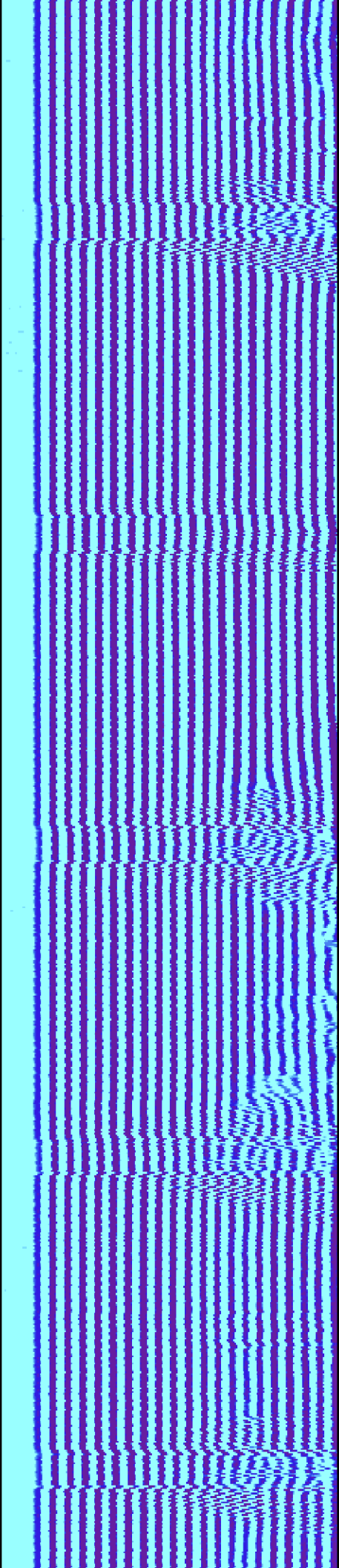


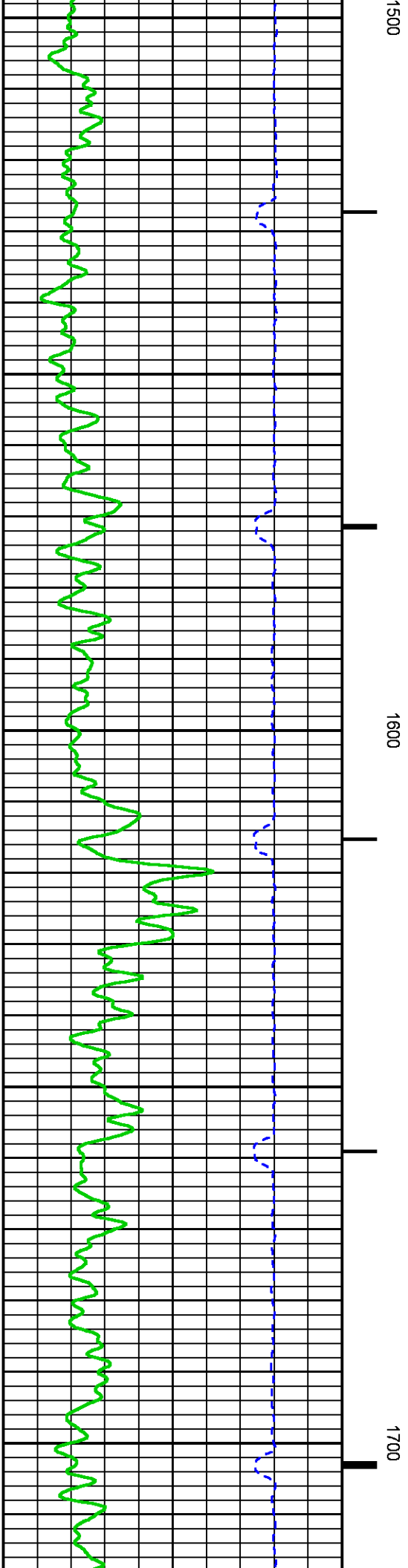
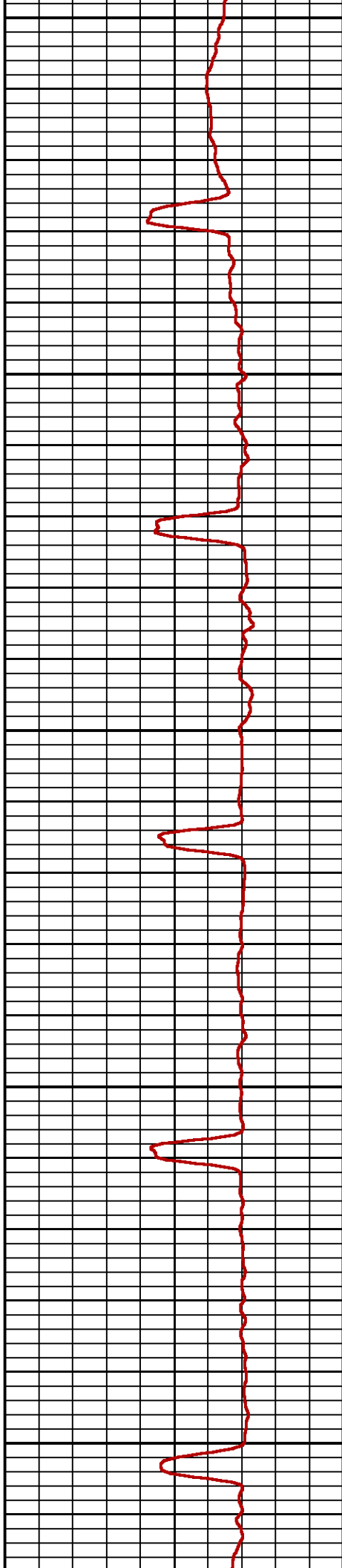
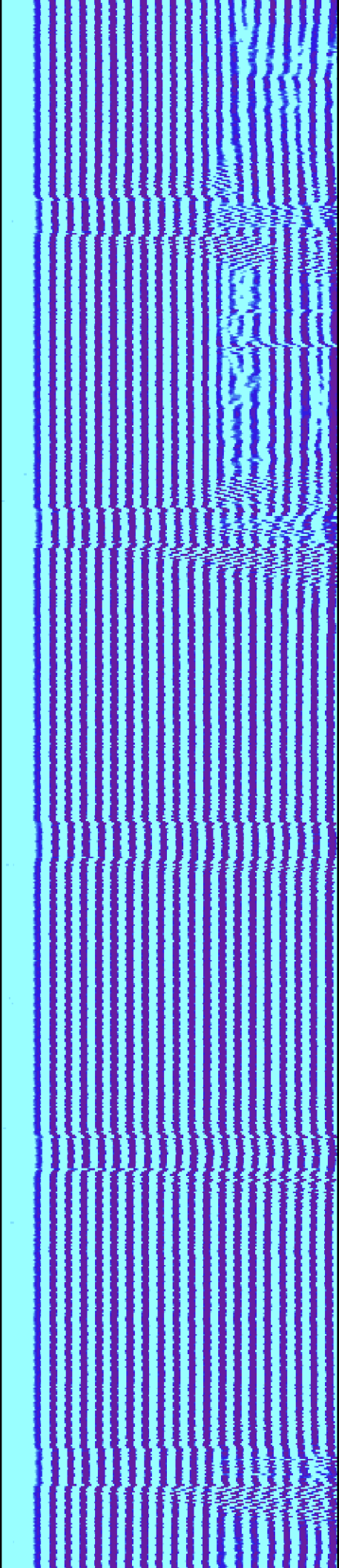


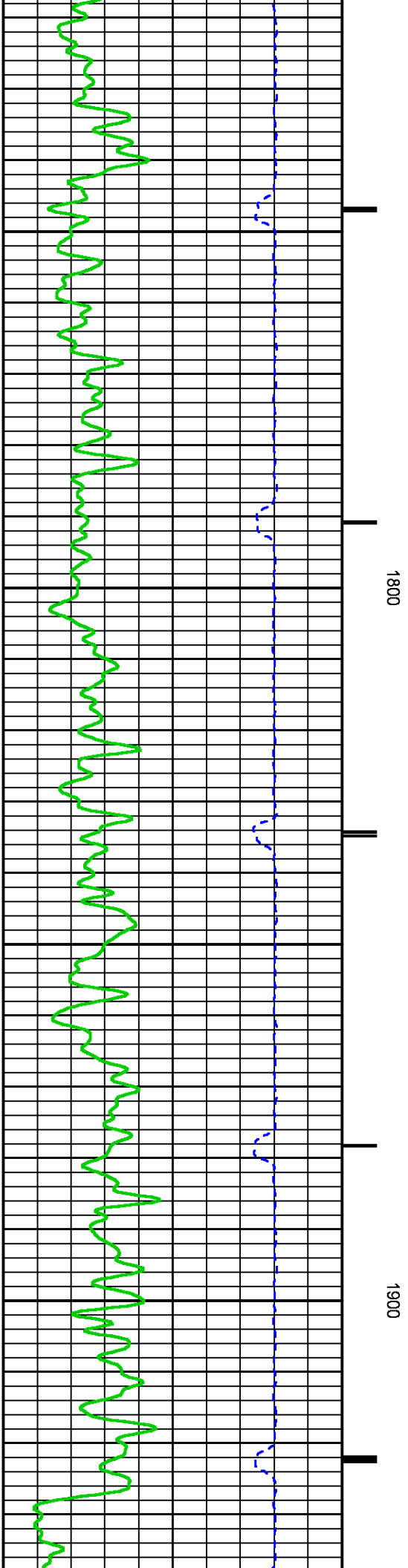
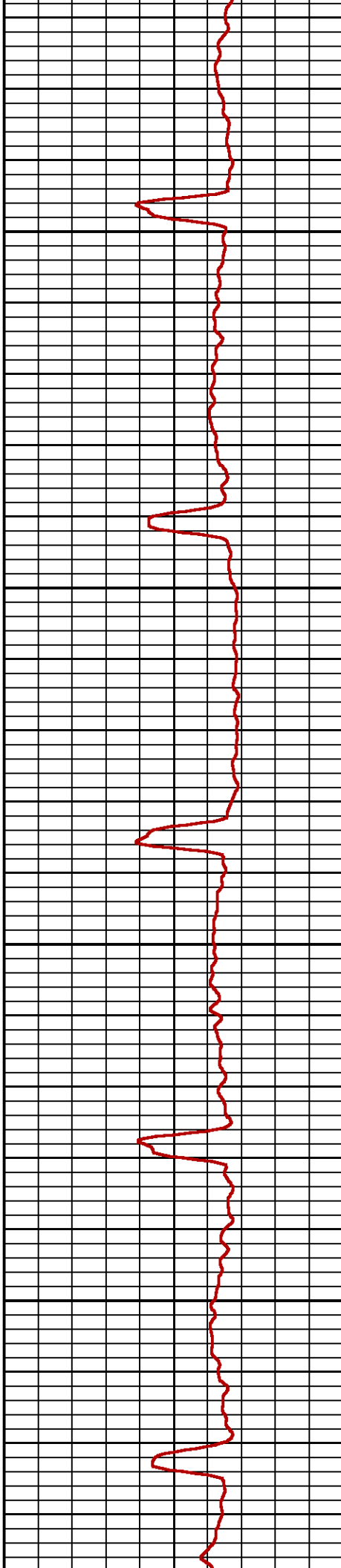
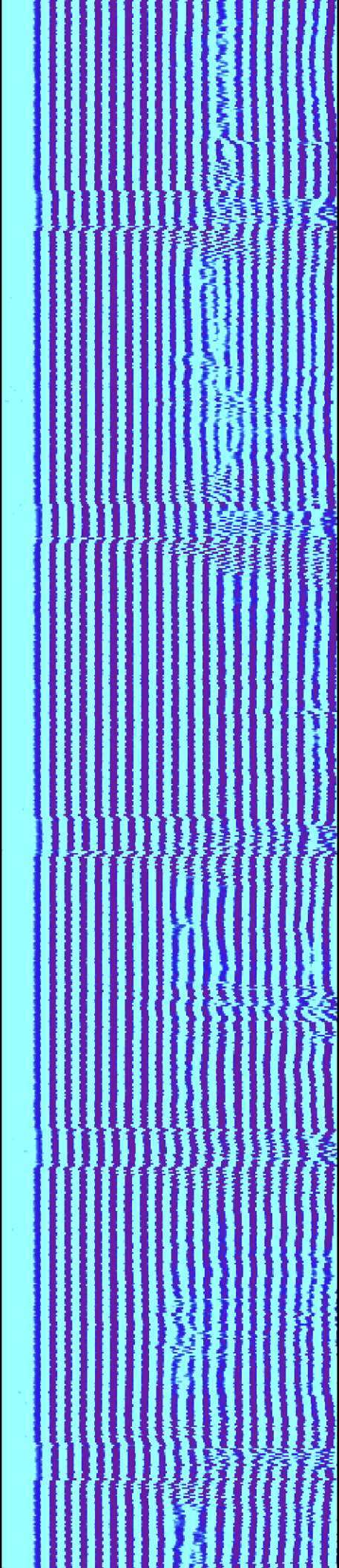


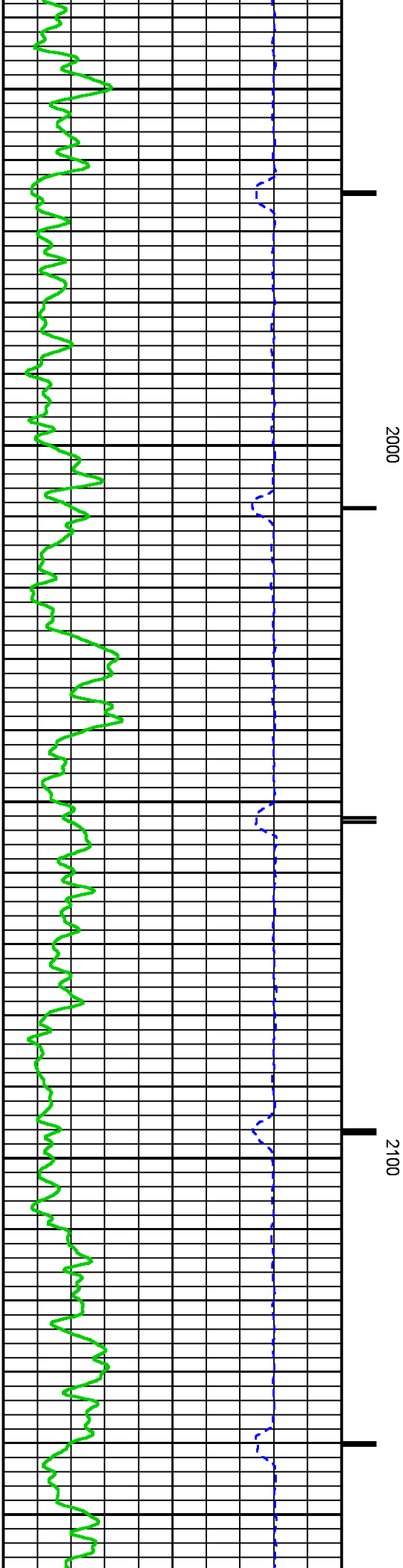
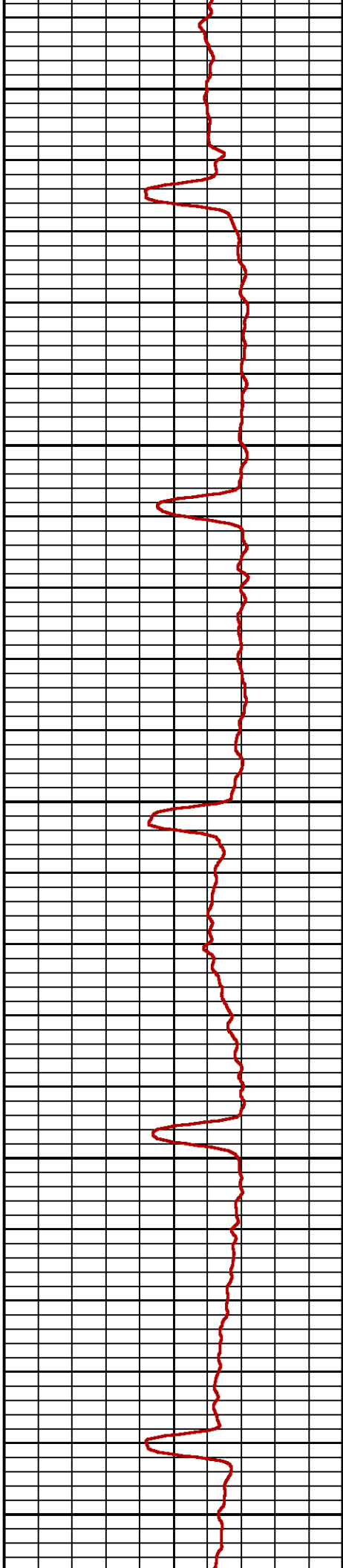
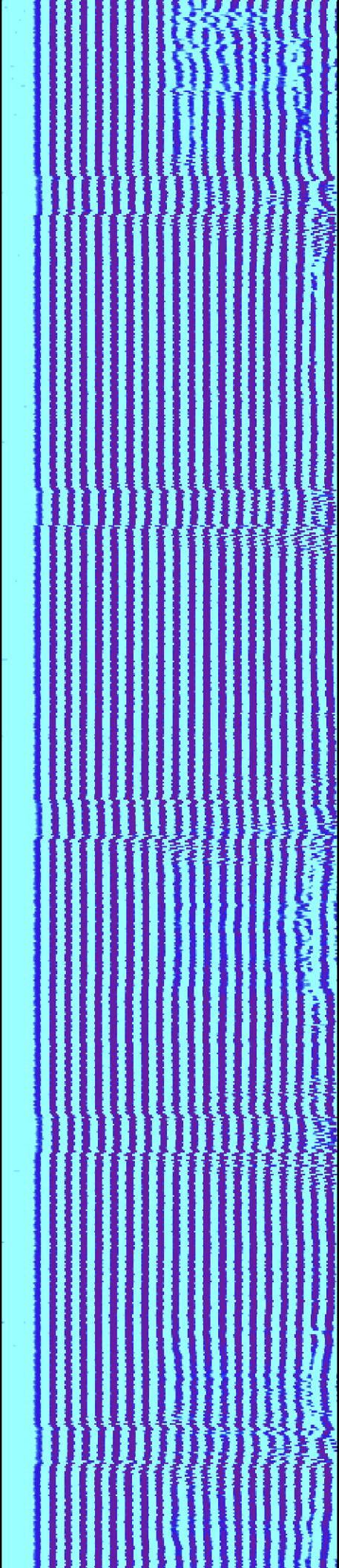


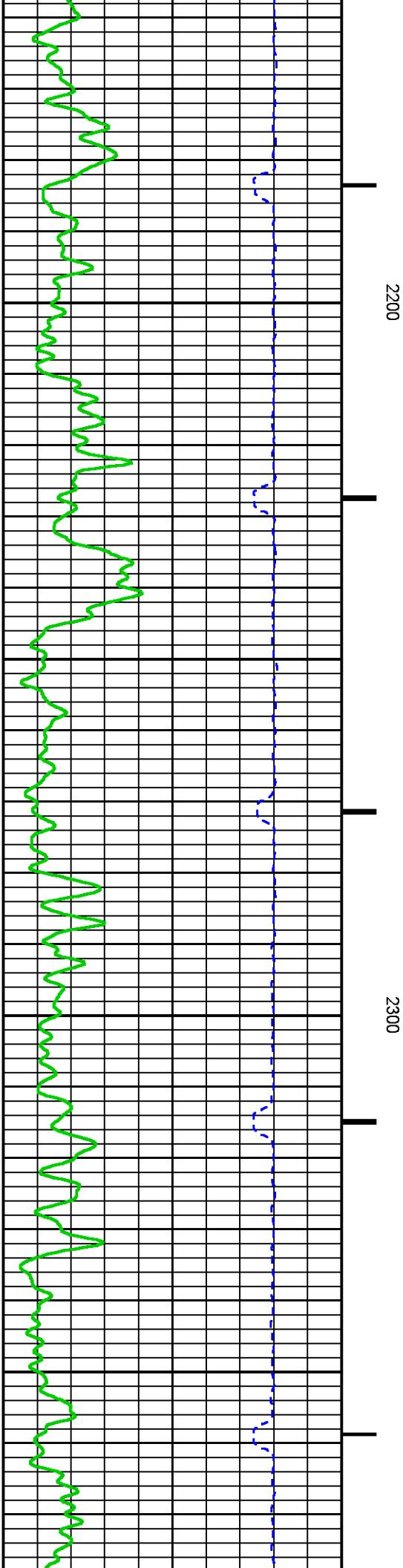
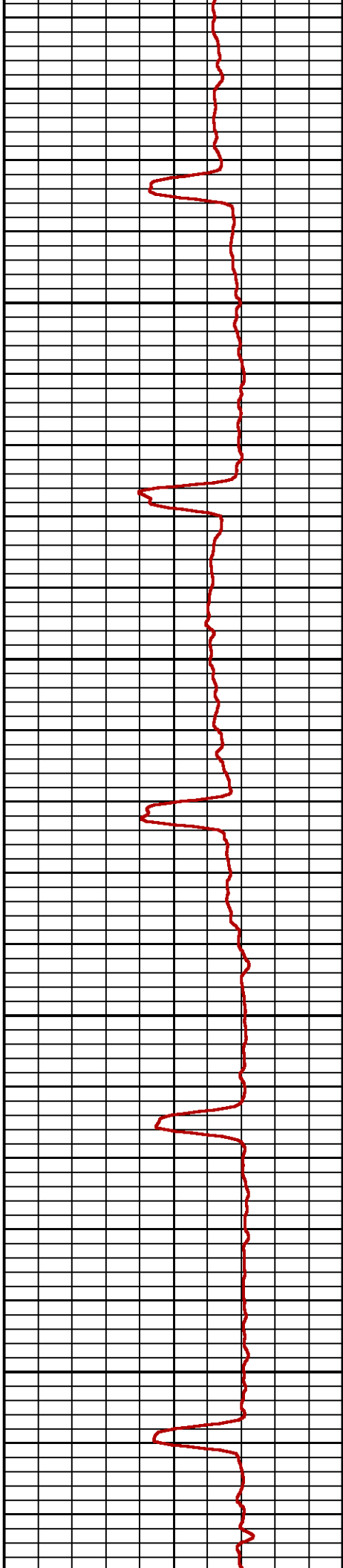
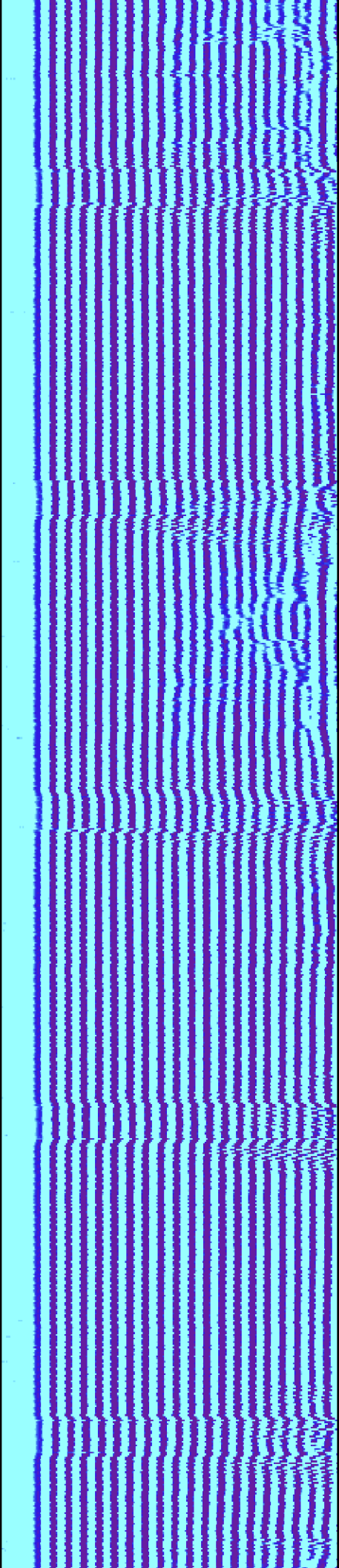


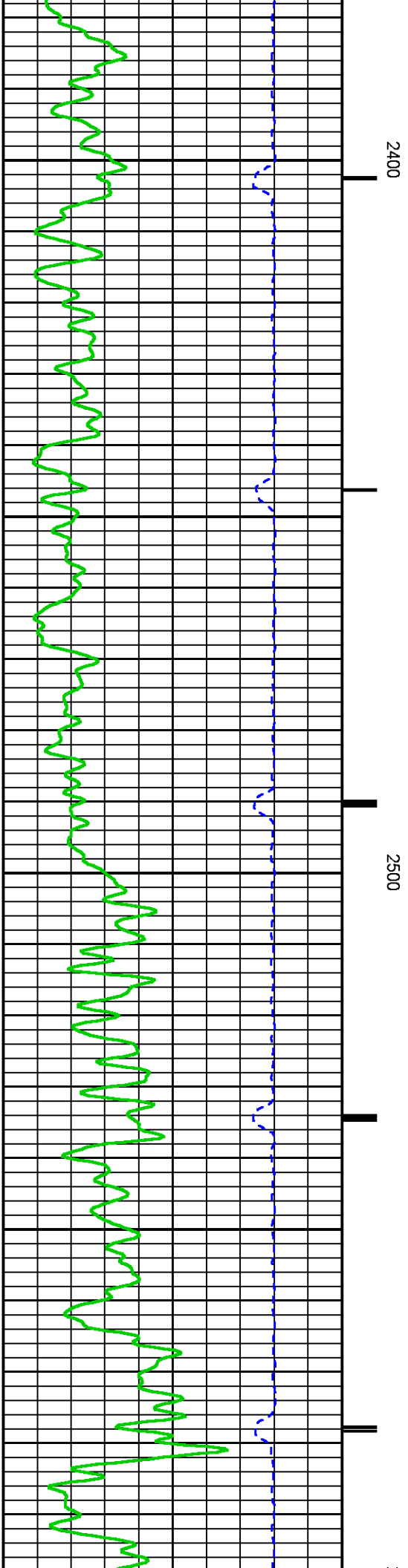
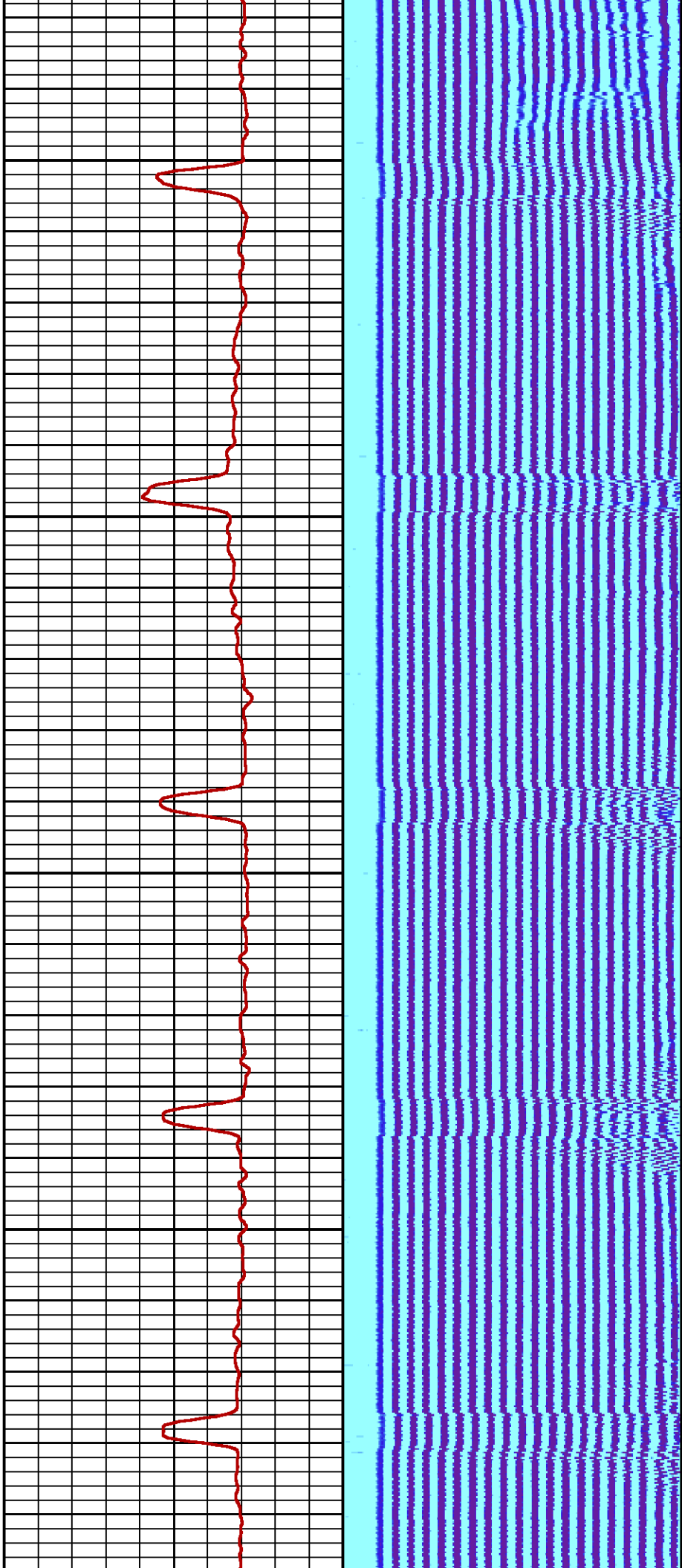


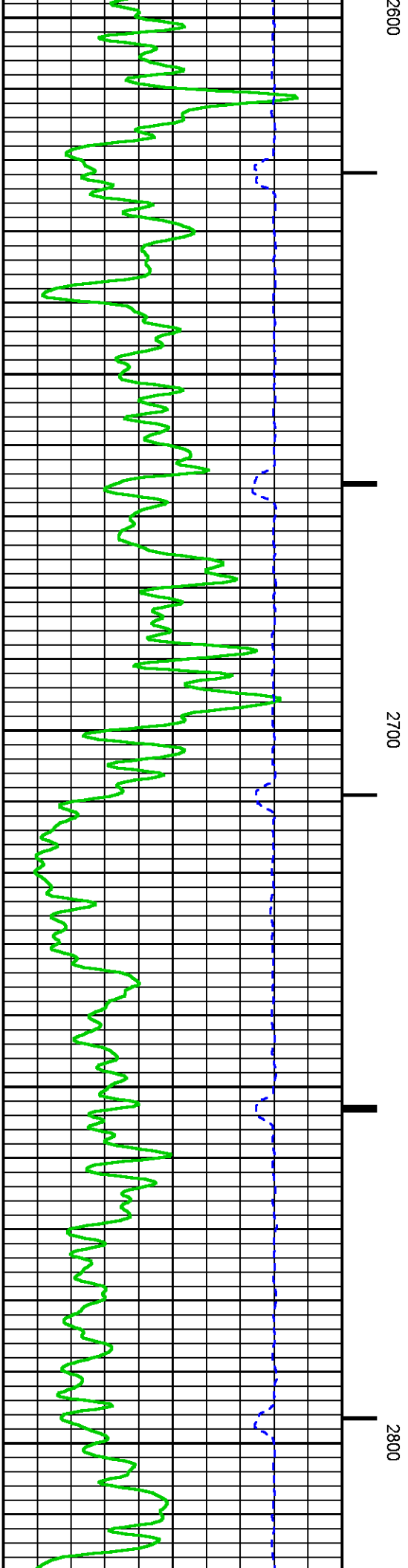
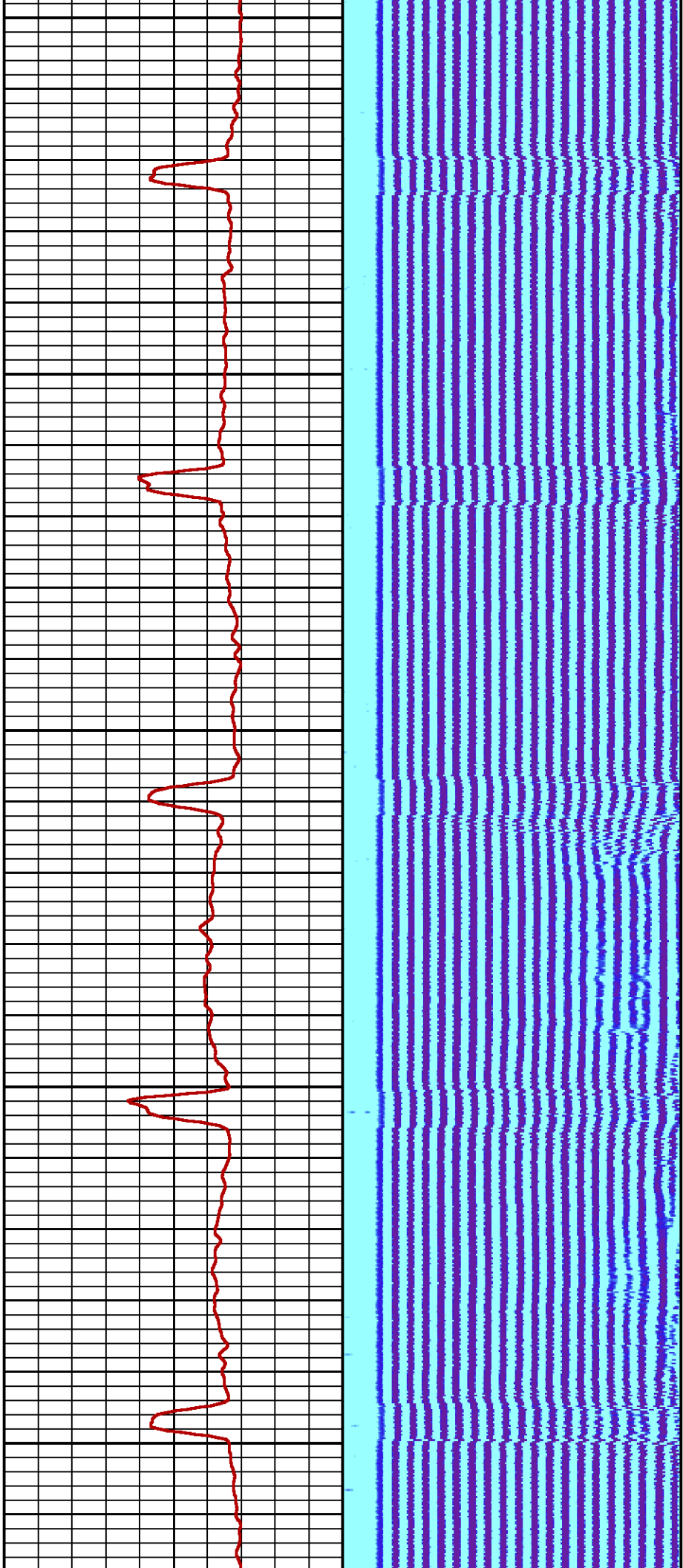


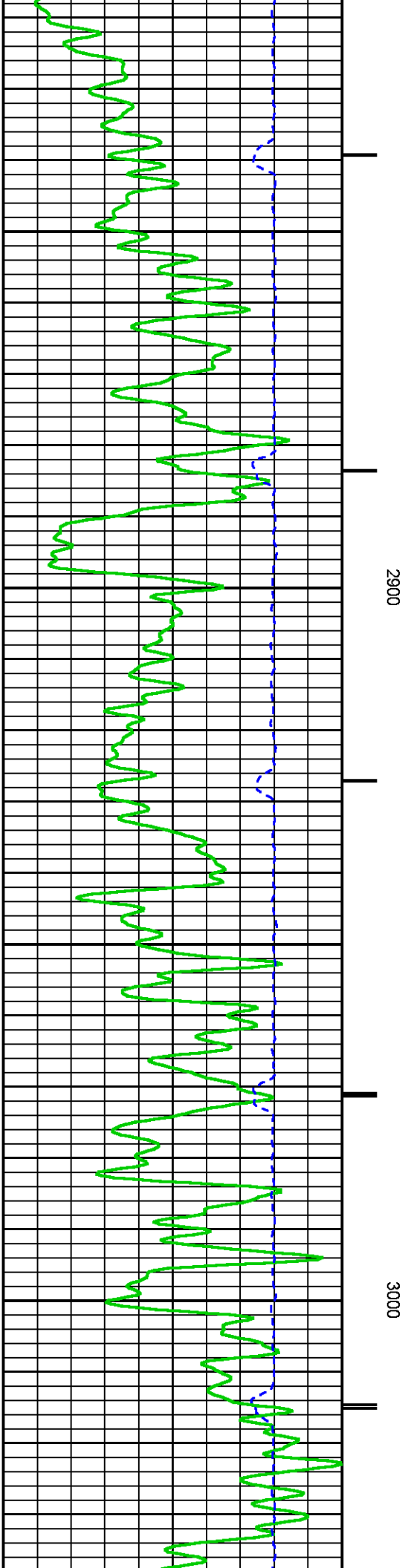
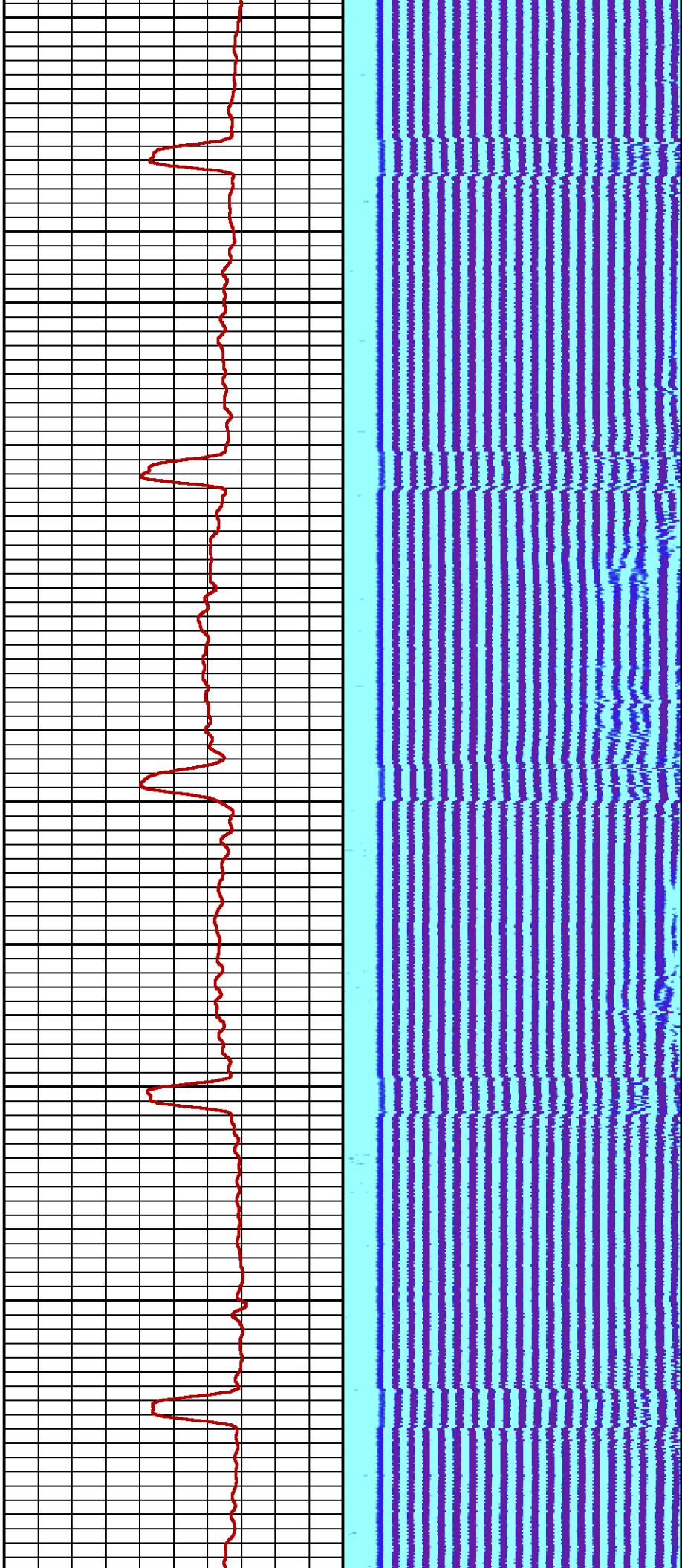


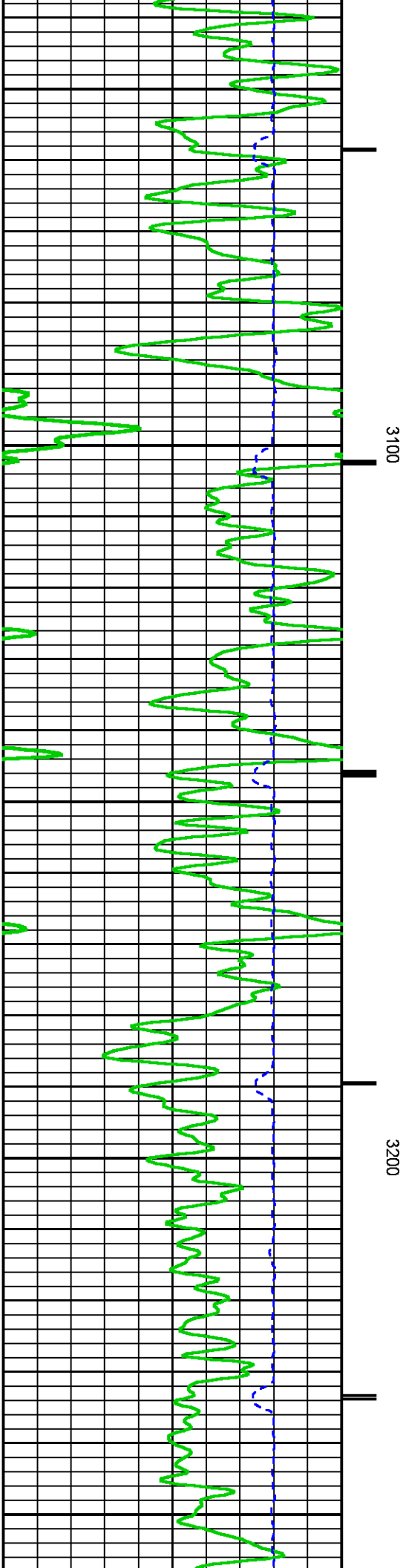
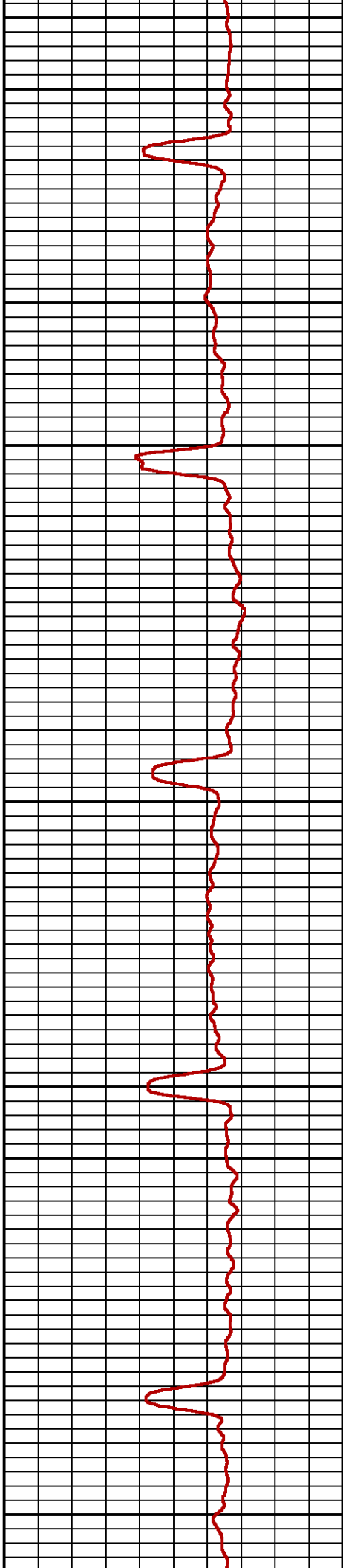
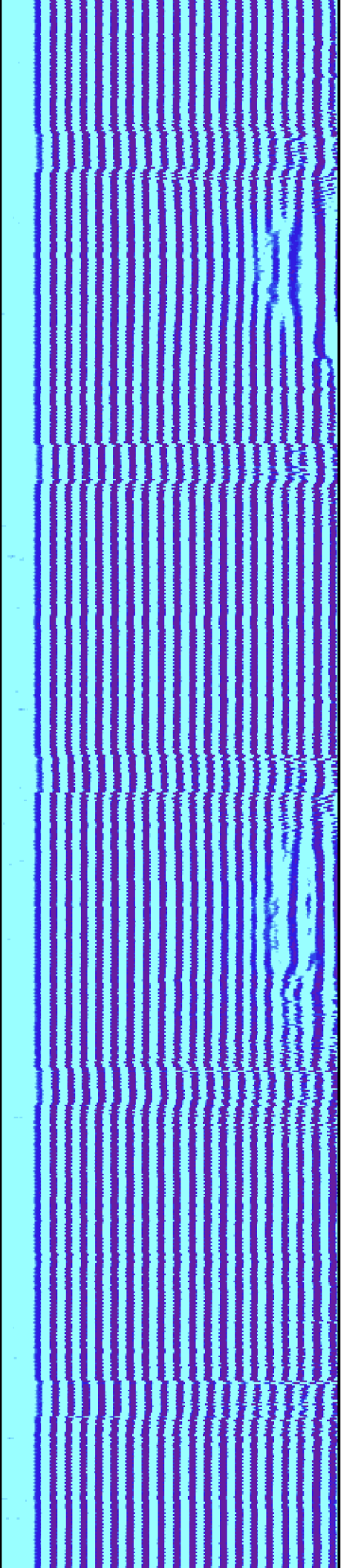


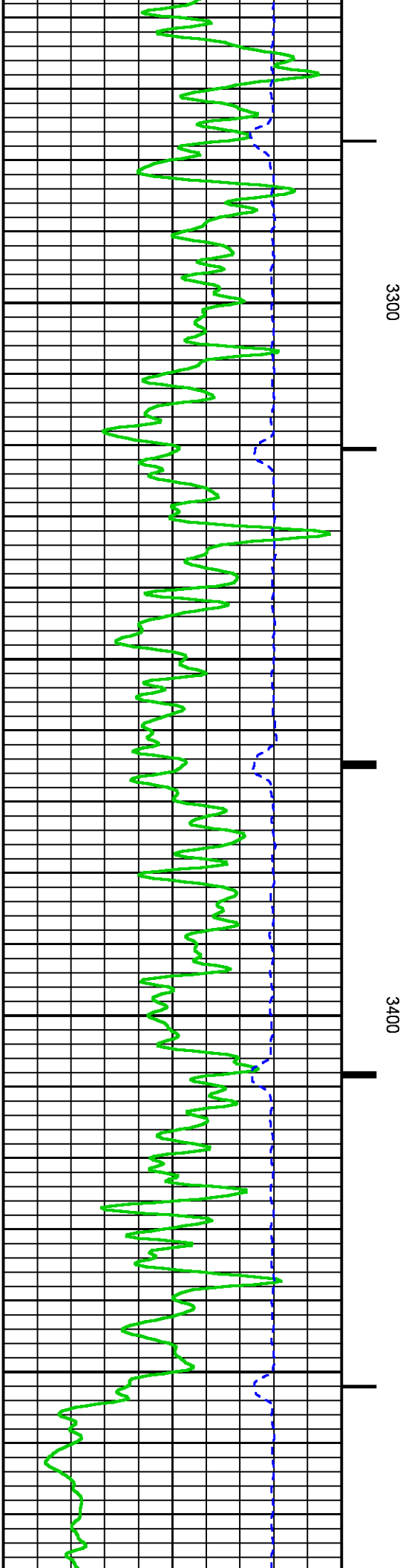
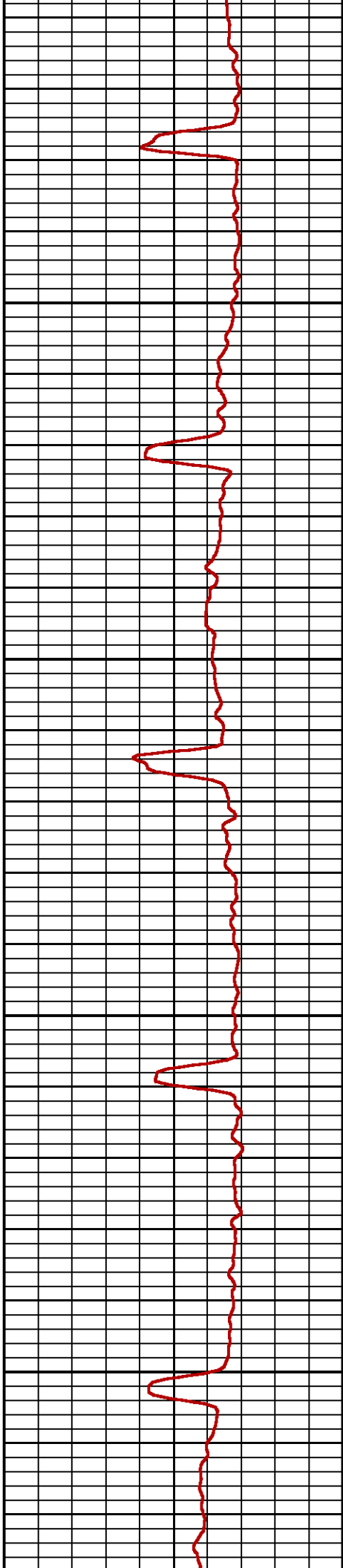
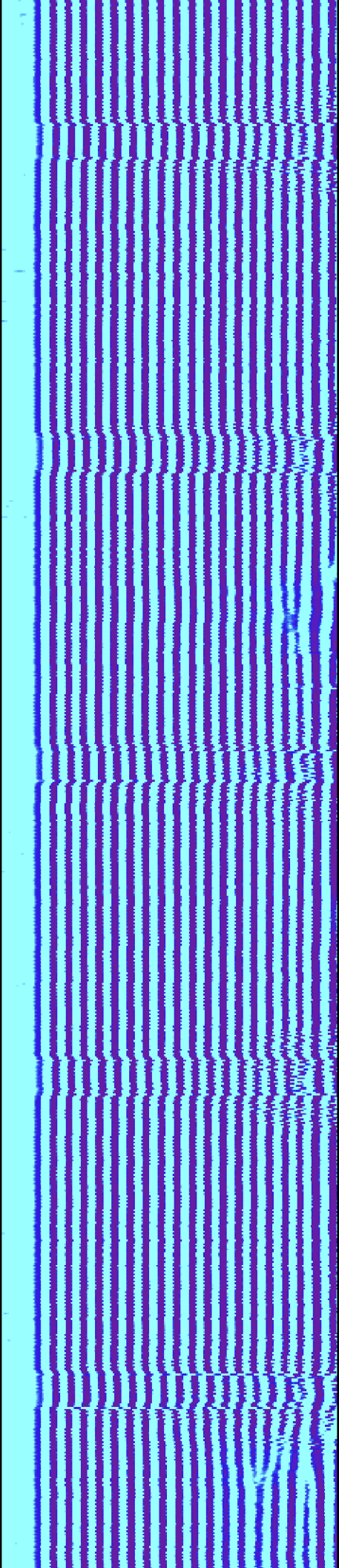


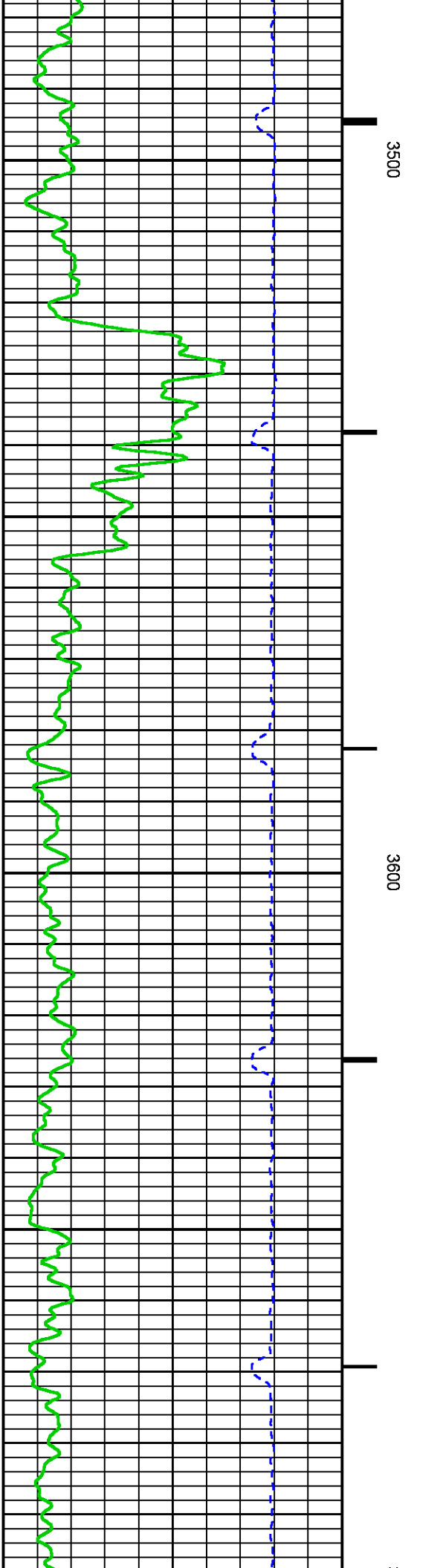
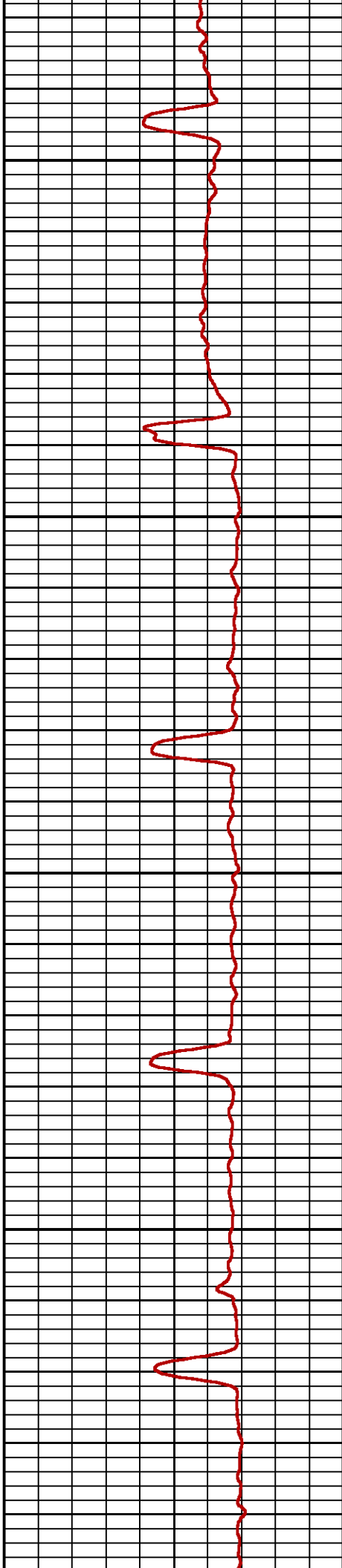
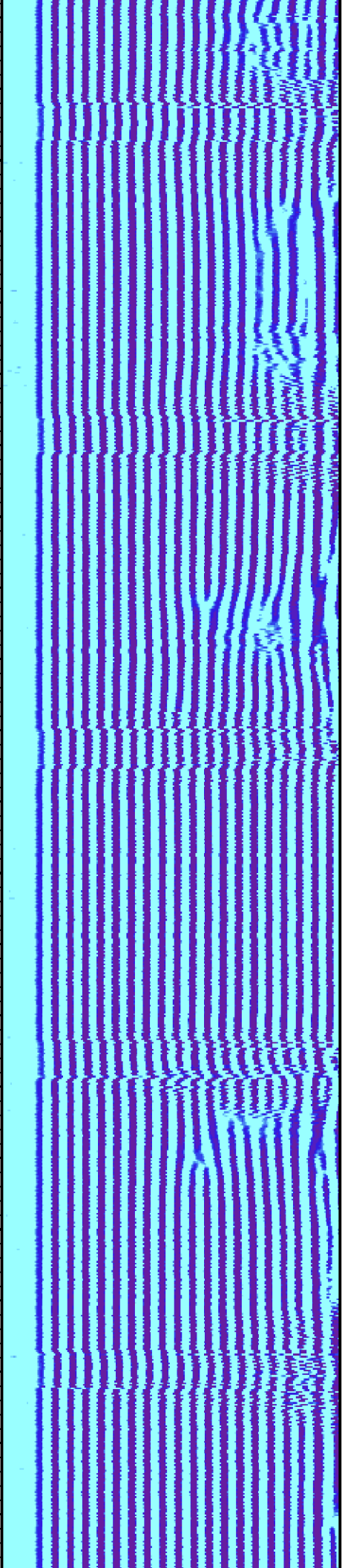


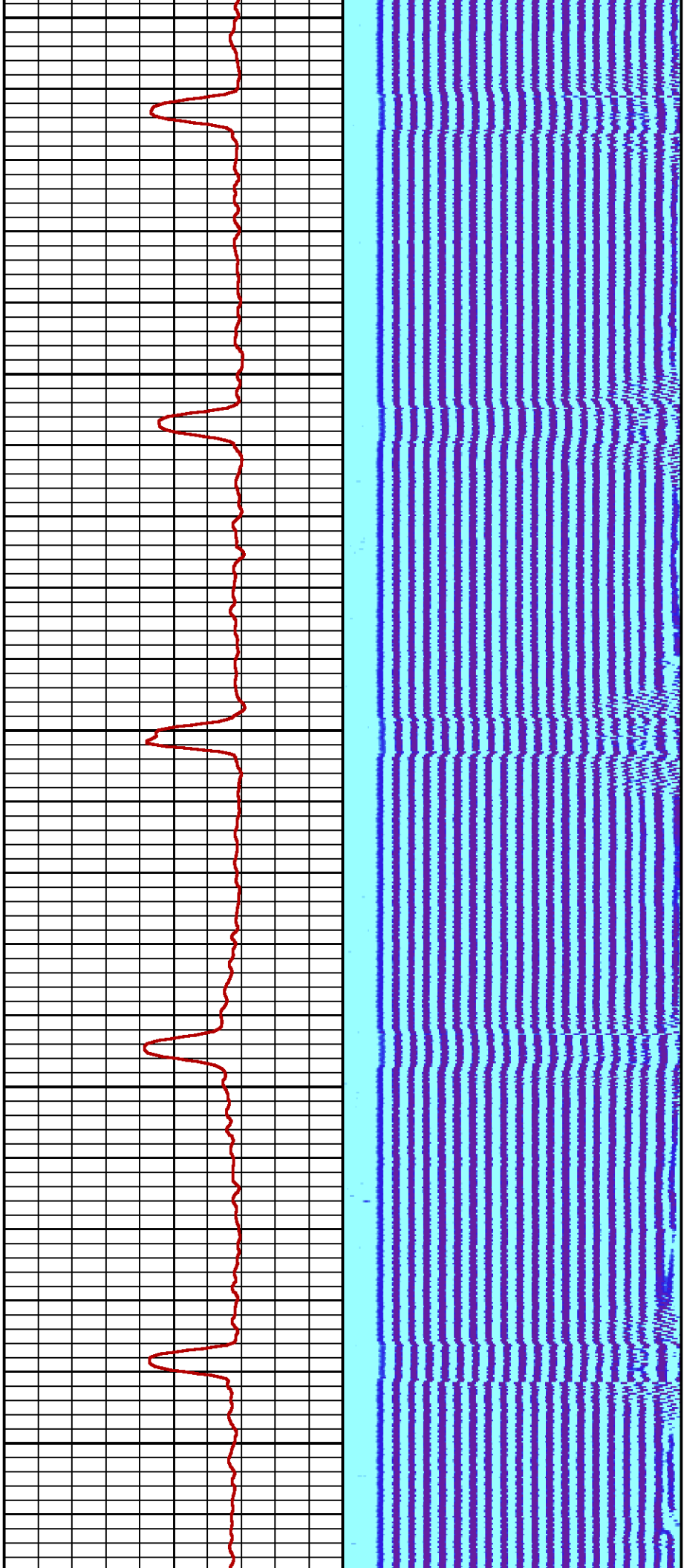








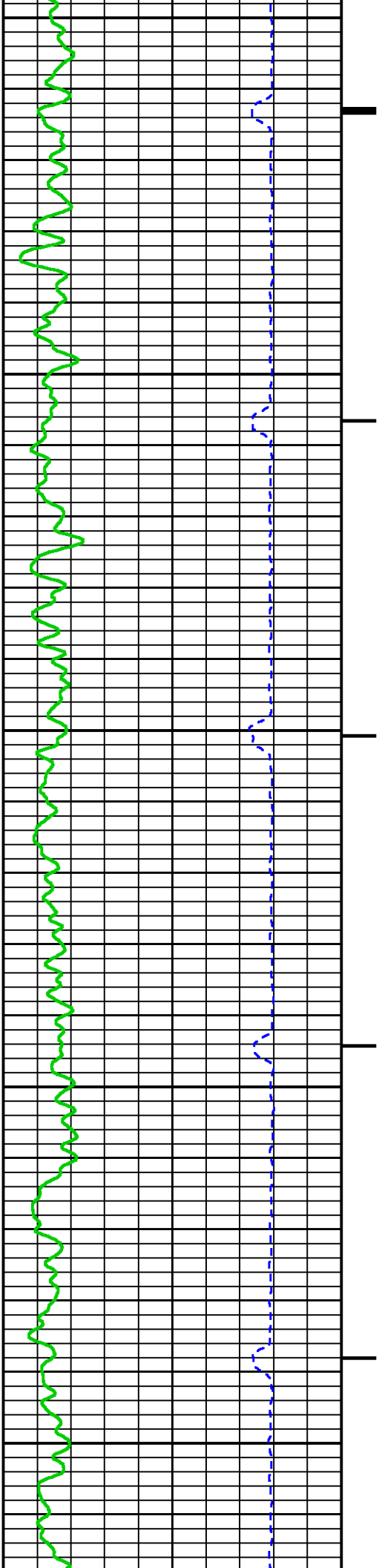


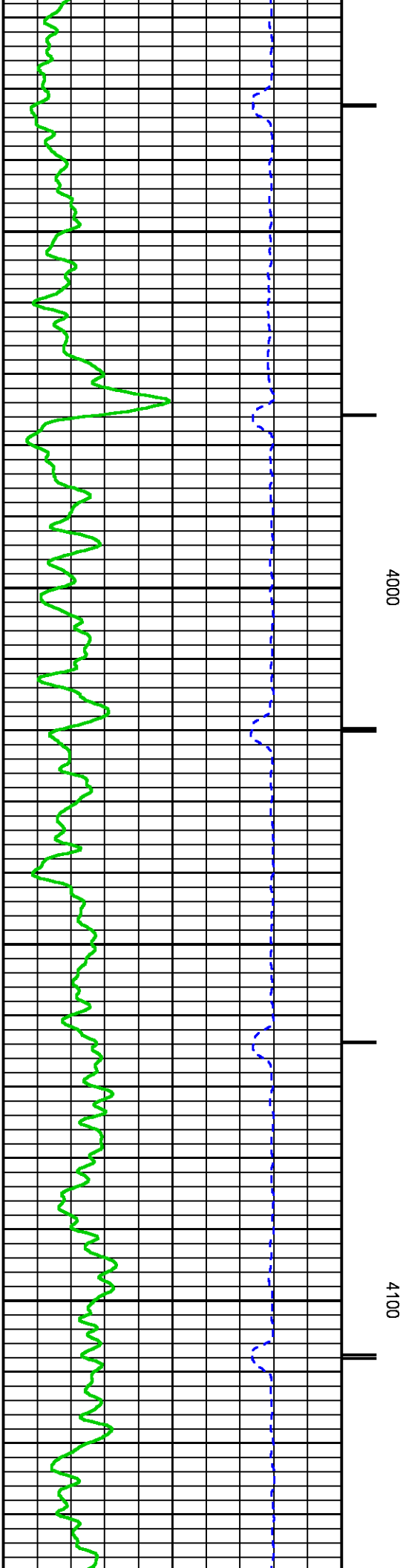
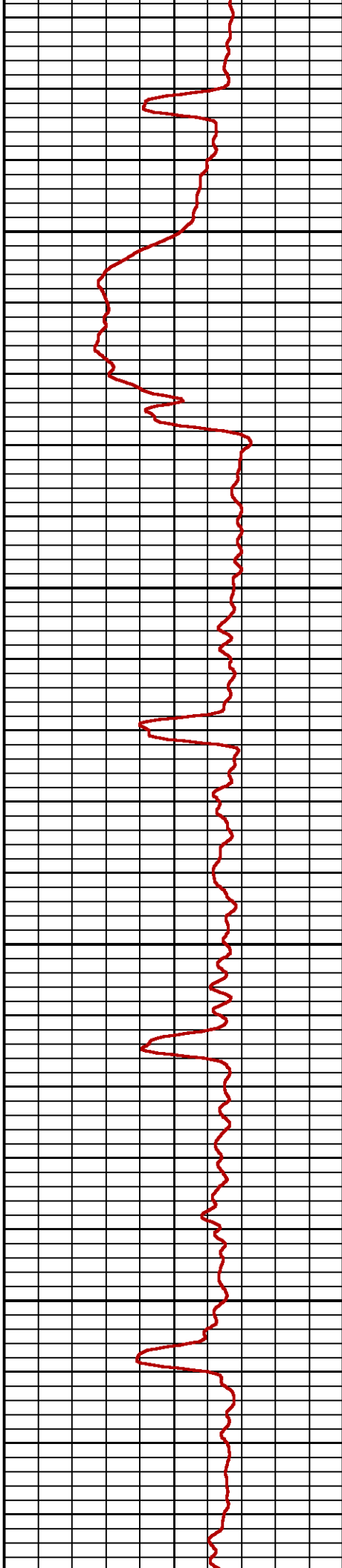
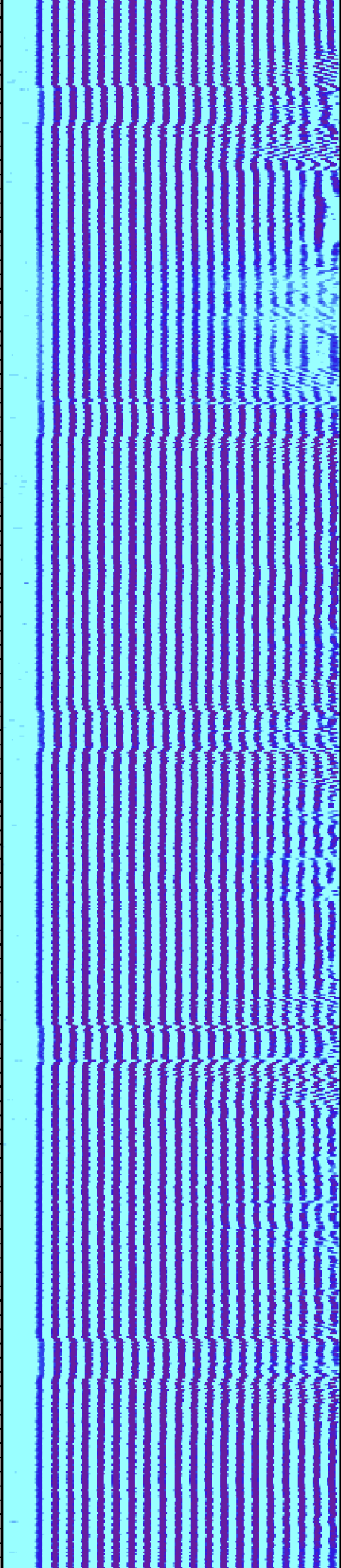


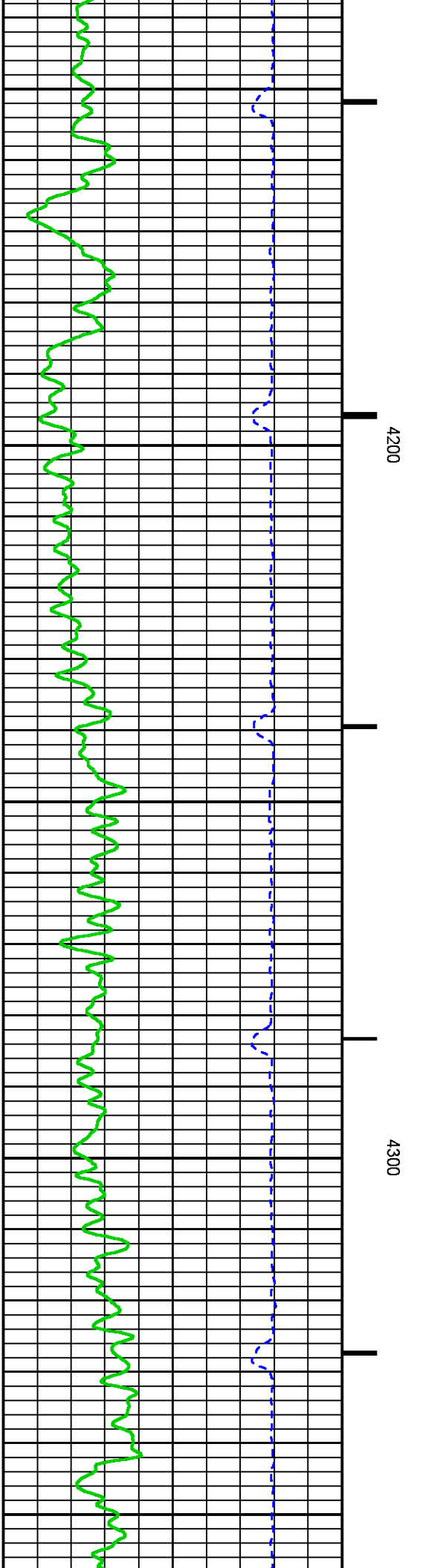
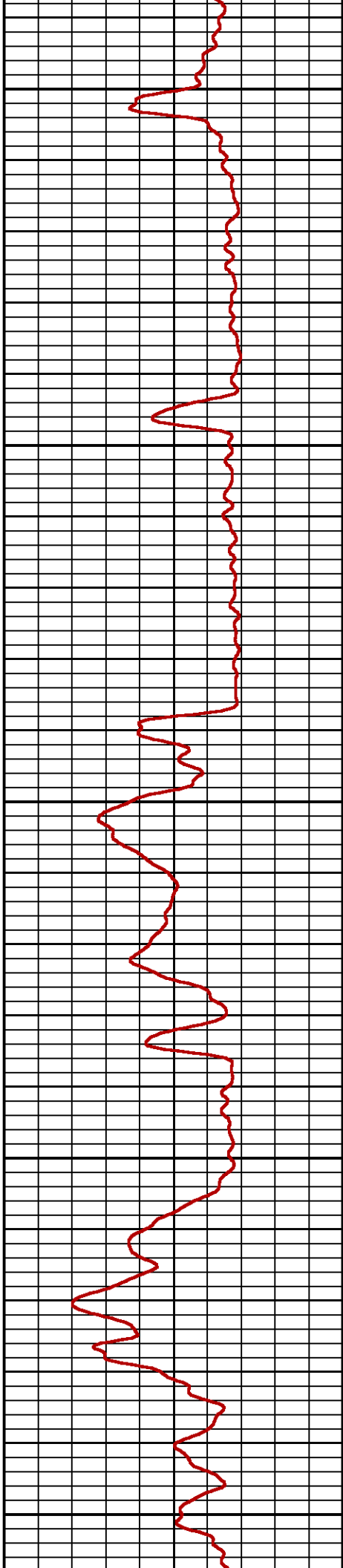
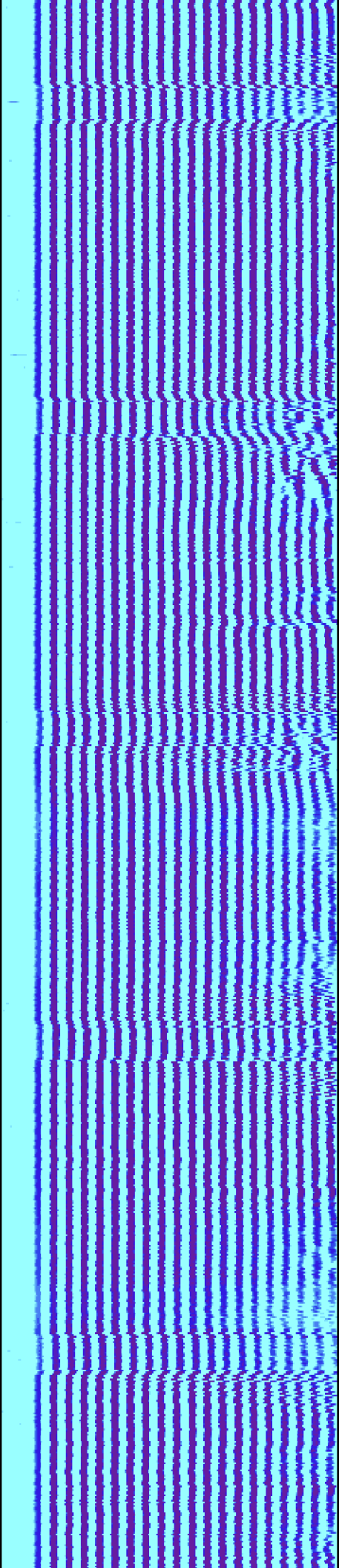
3700

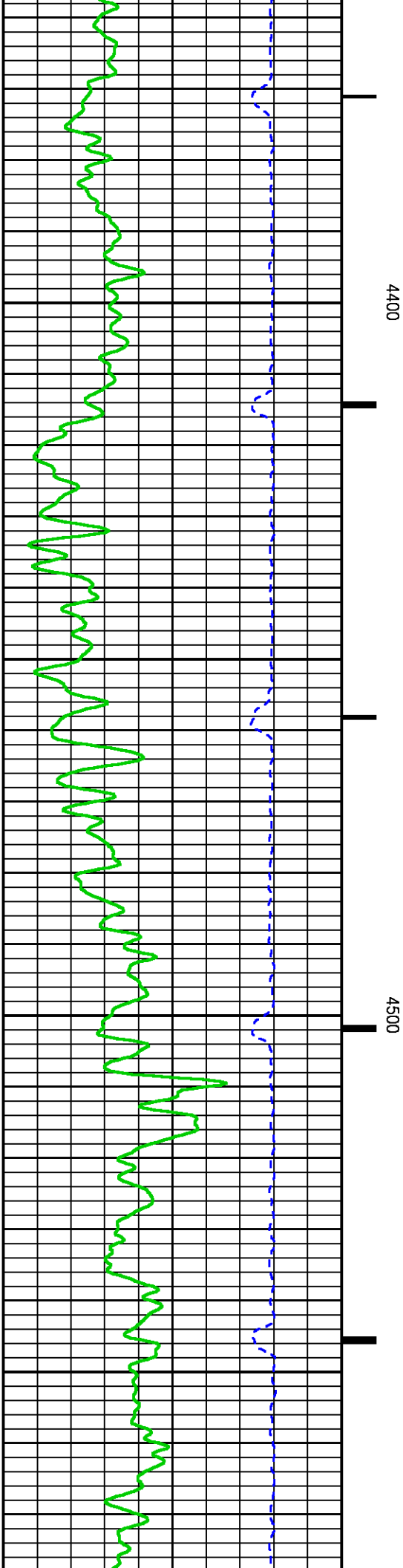
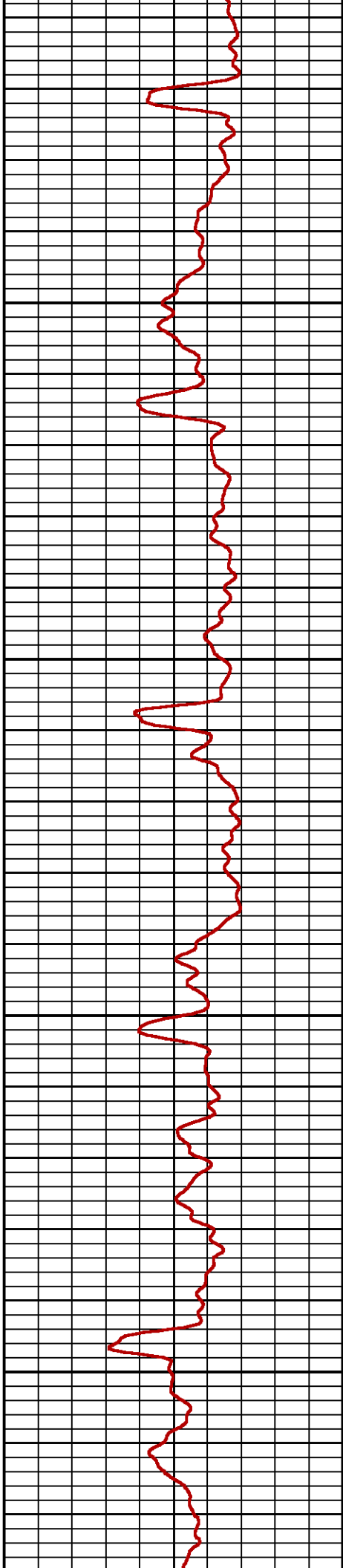
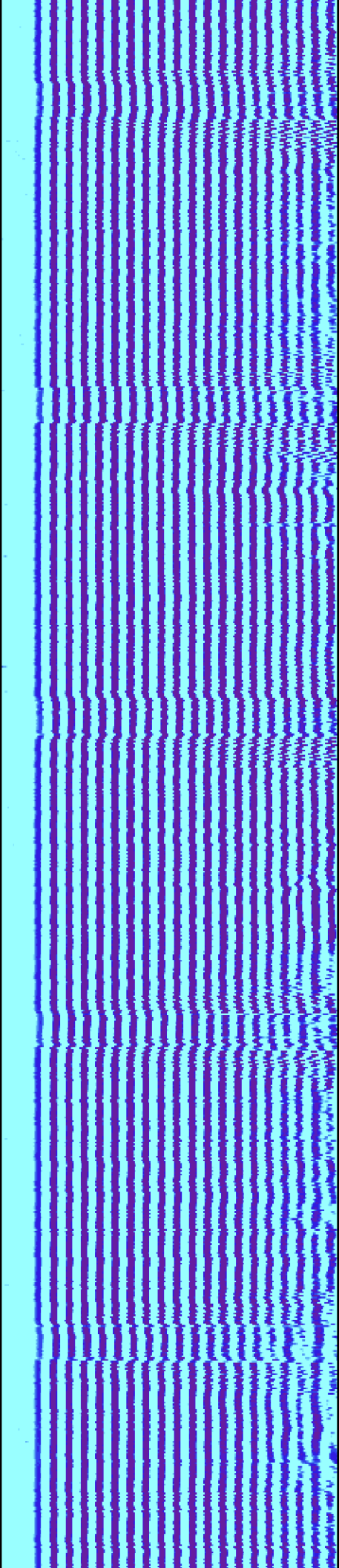
3800

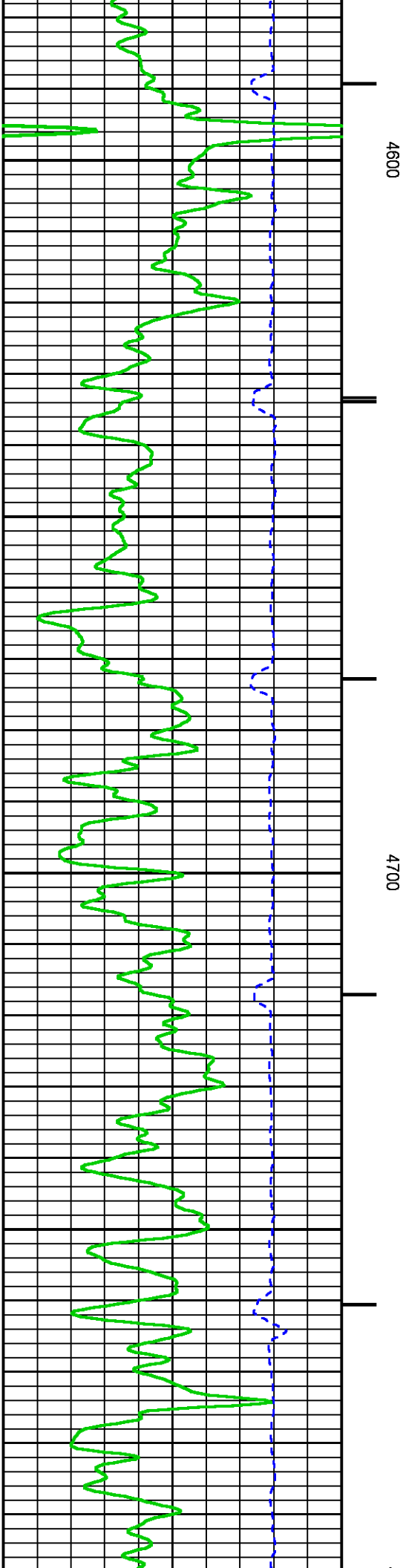
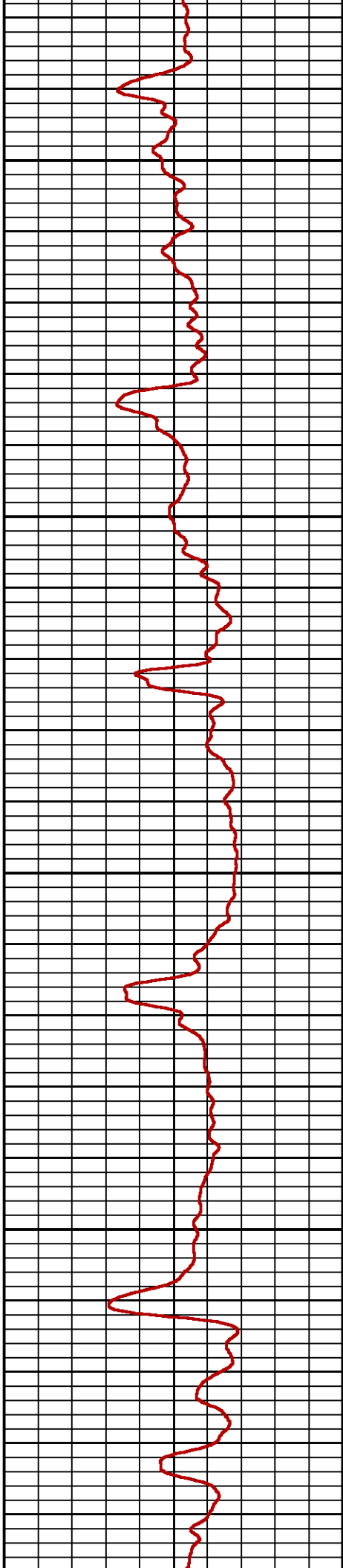
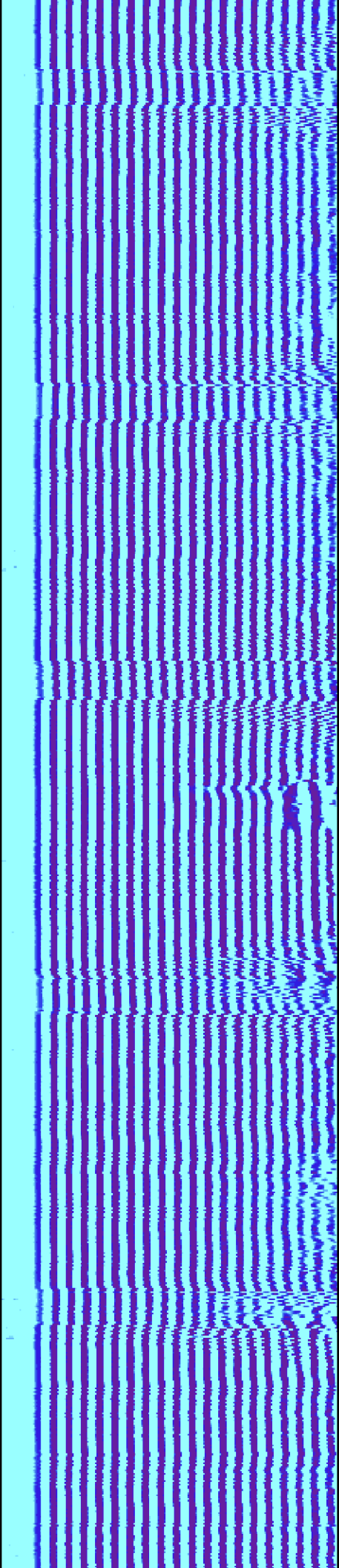
3900

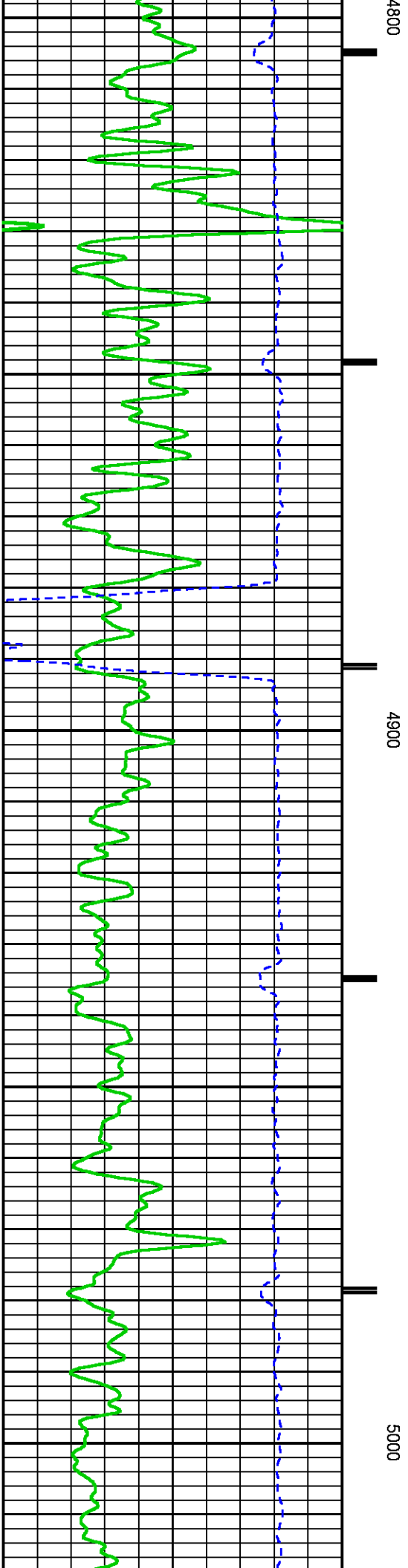
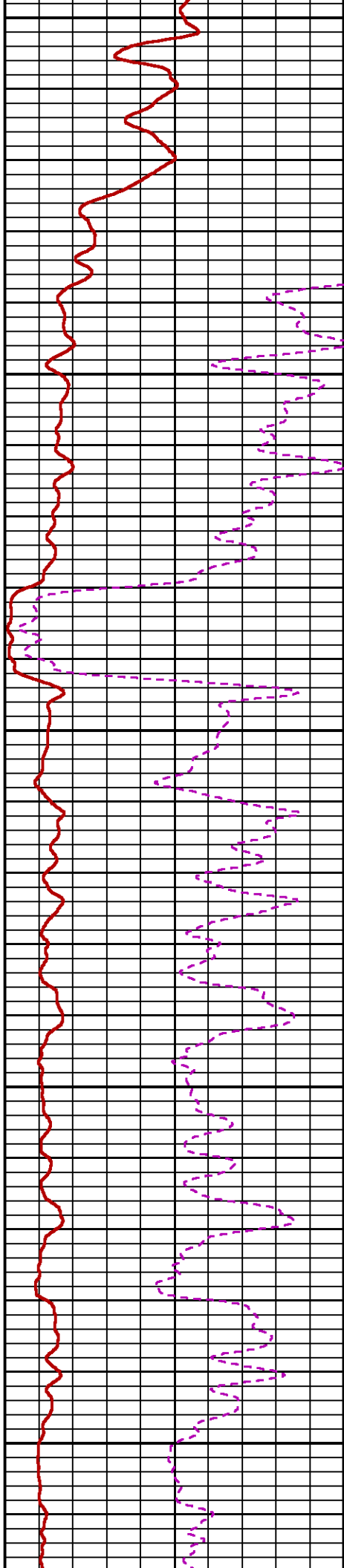
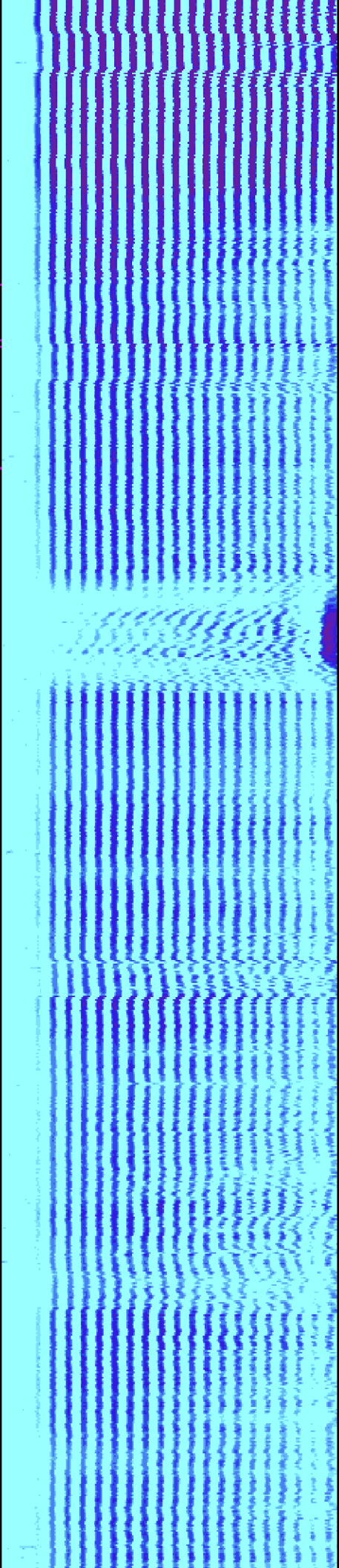


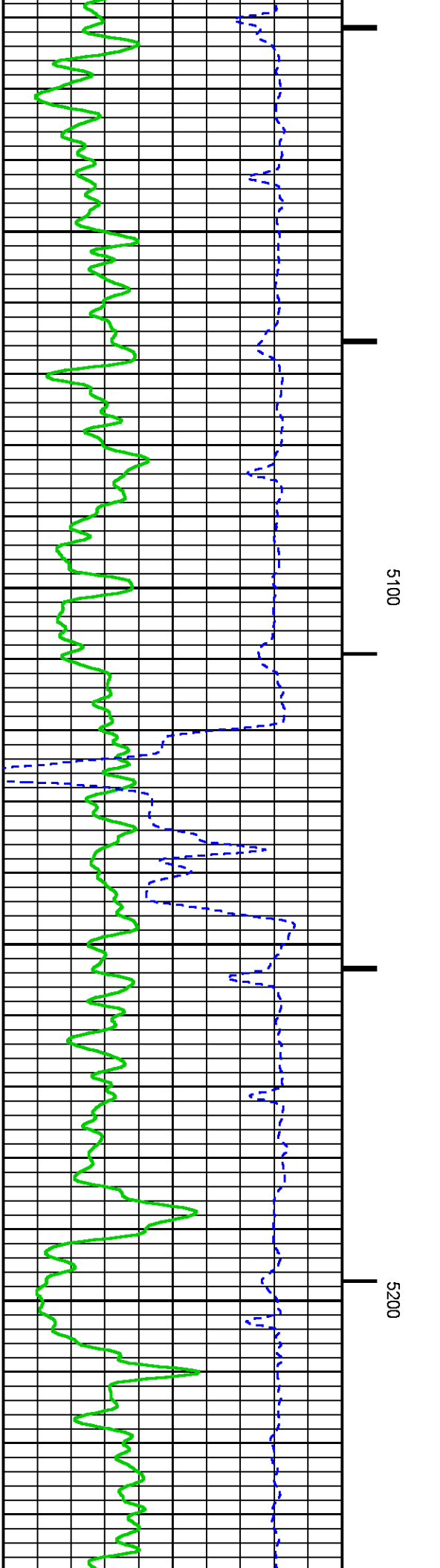
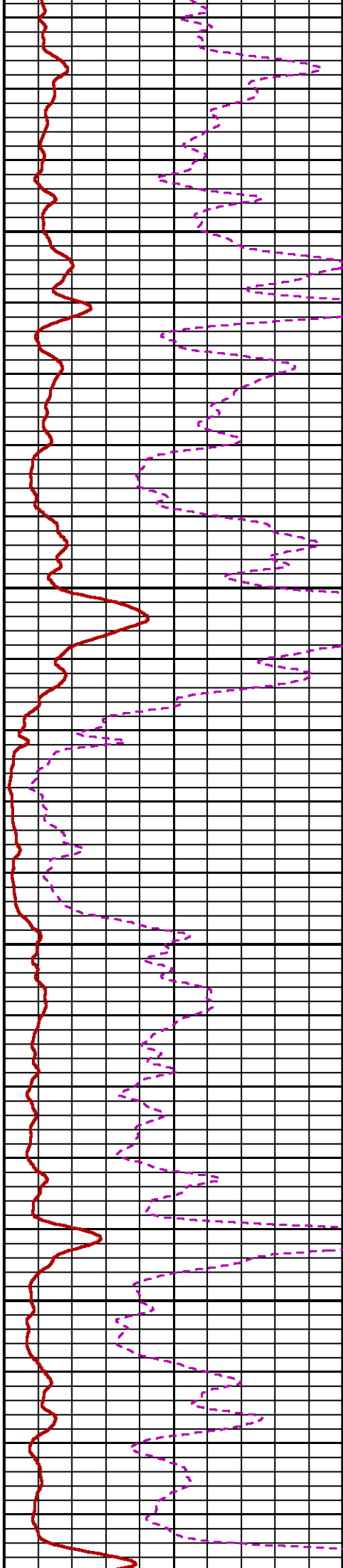
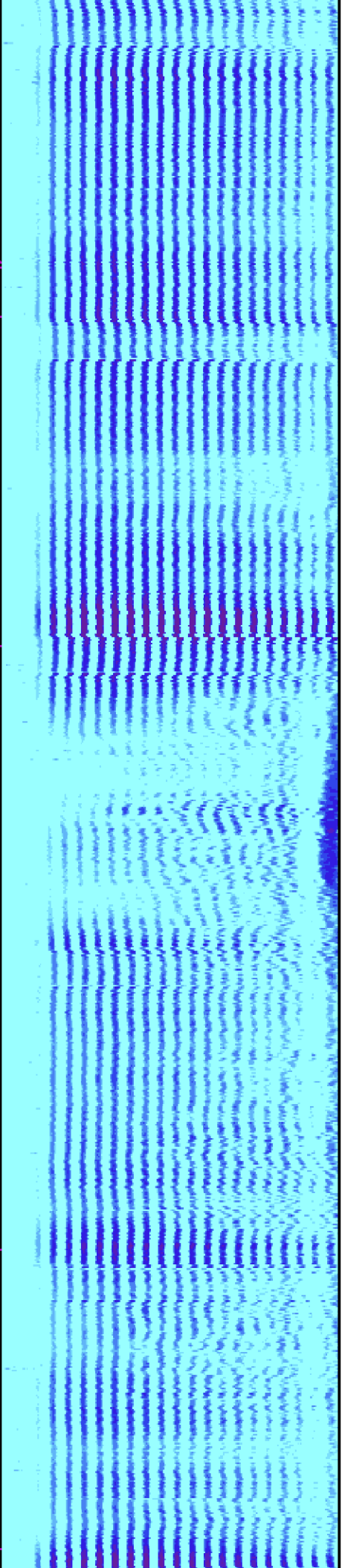


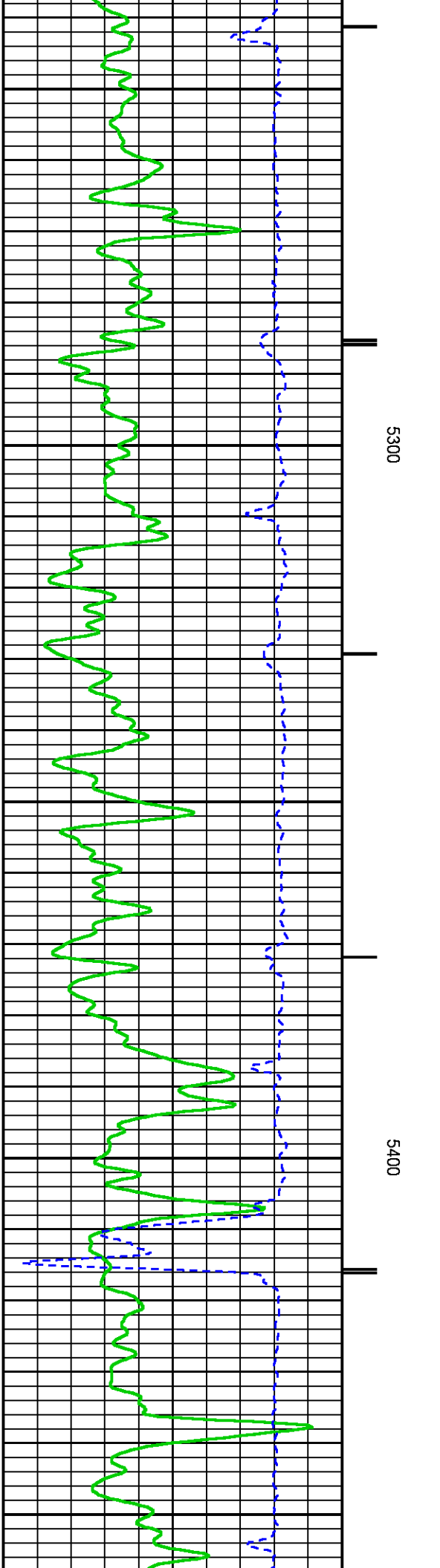
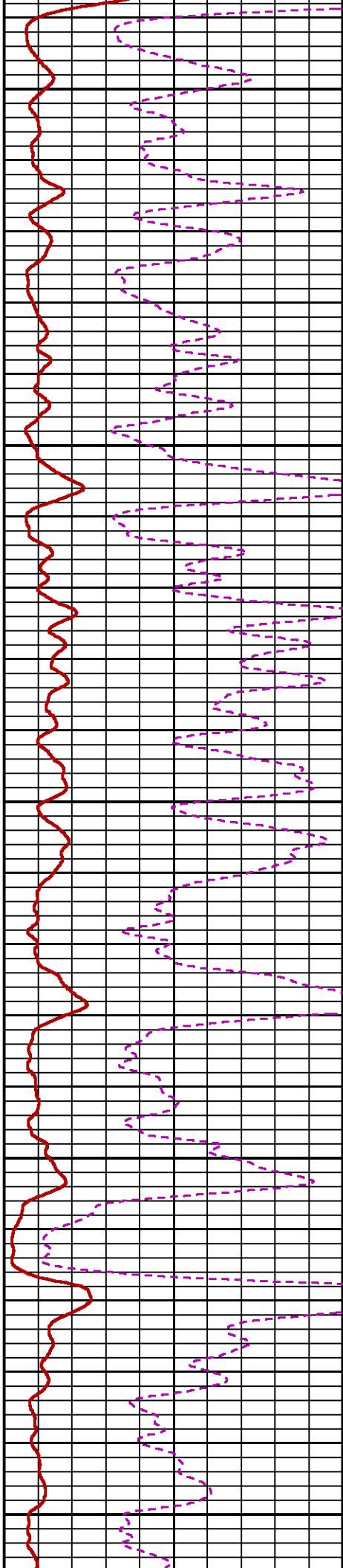
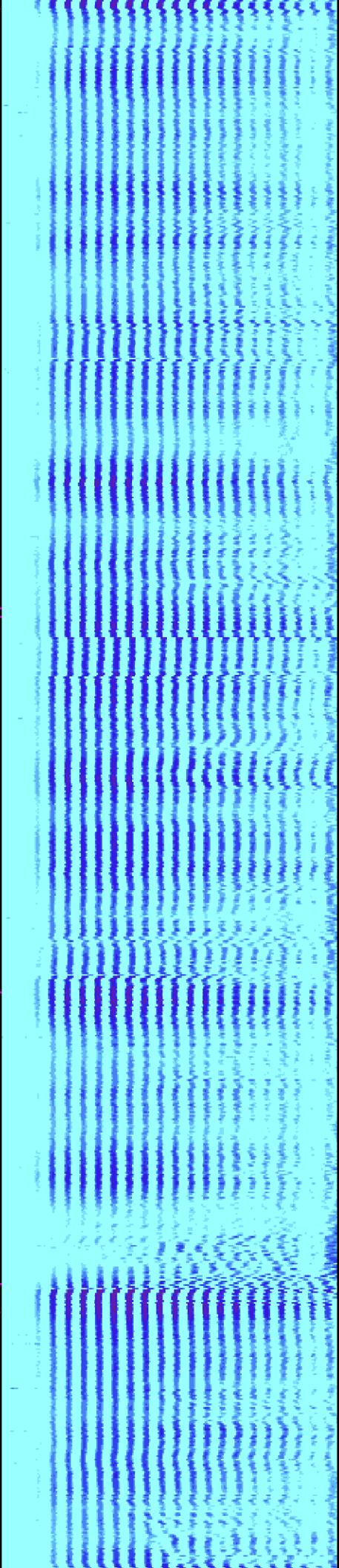


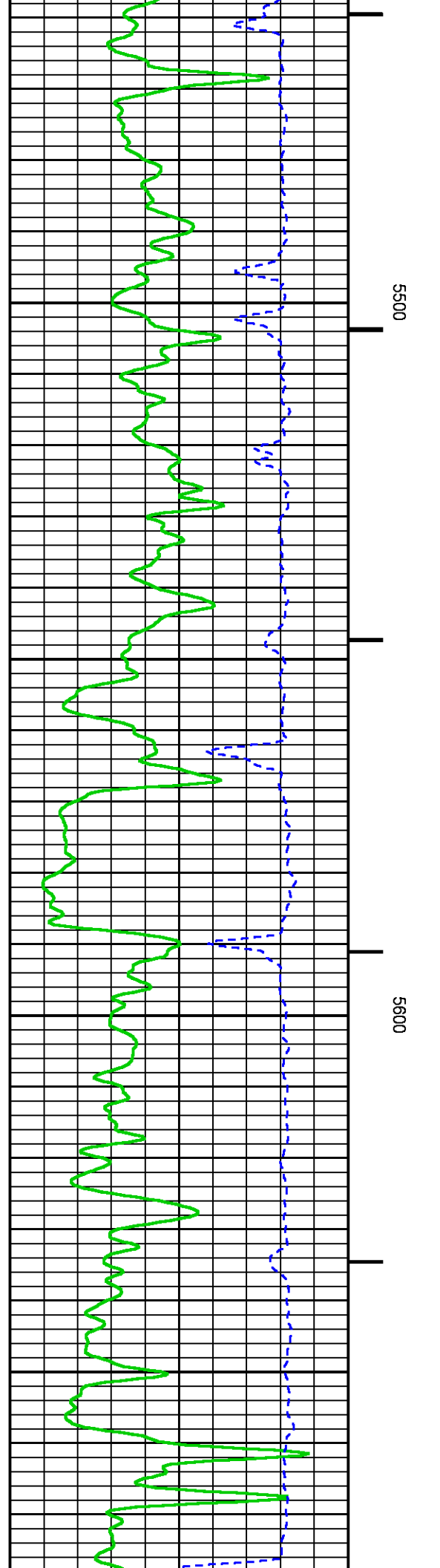
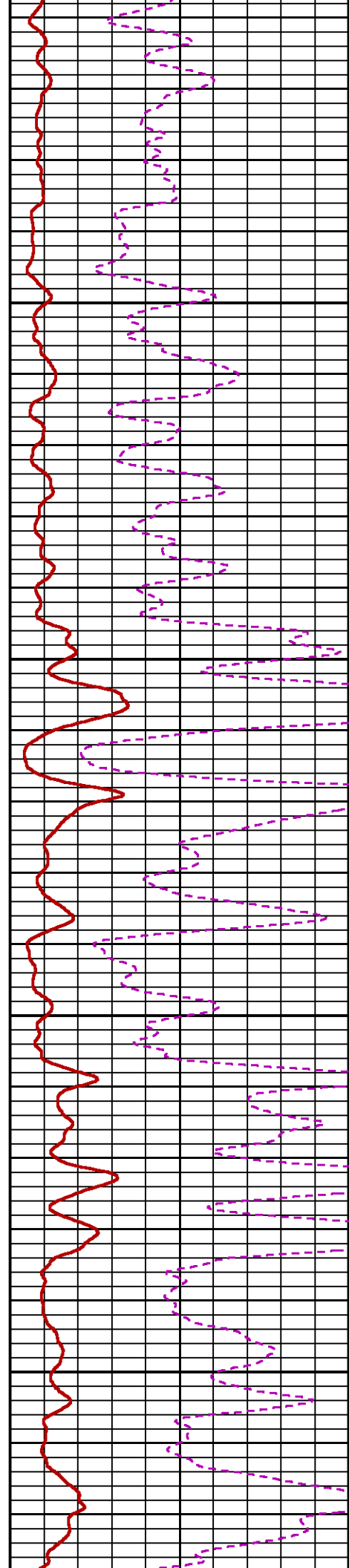
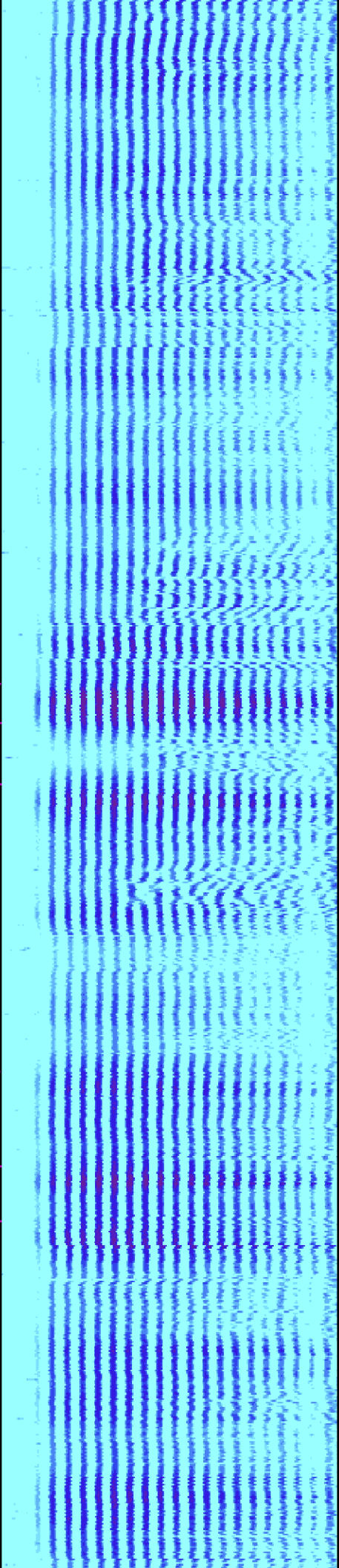


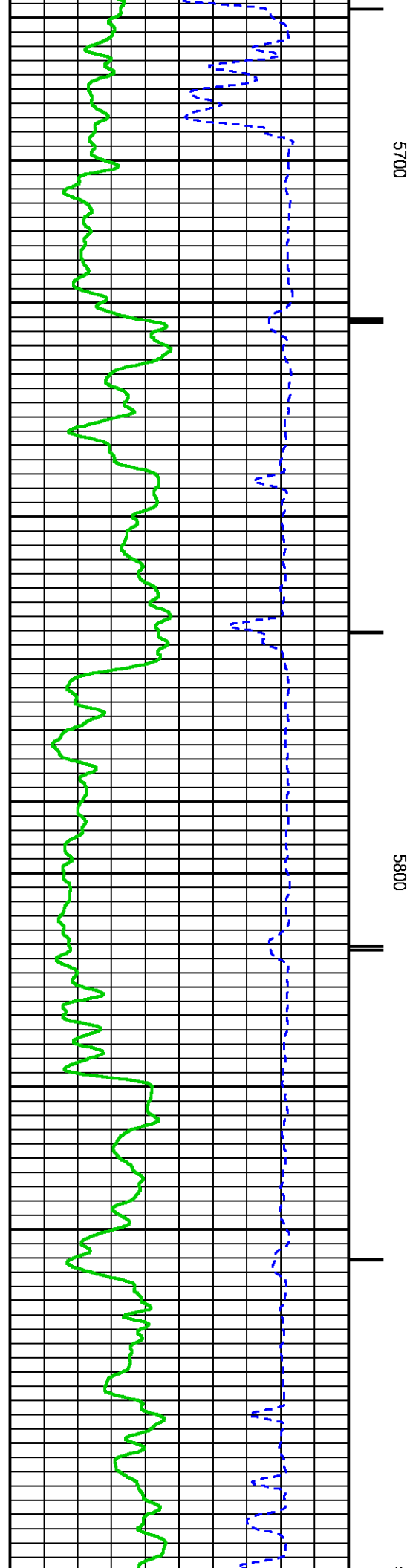
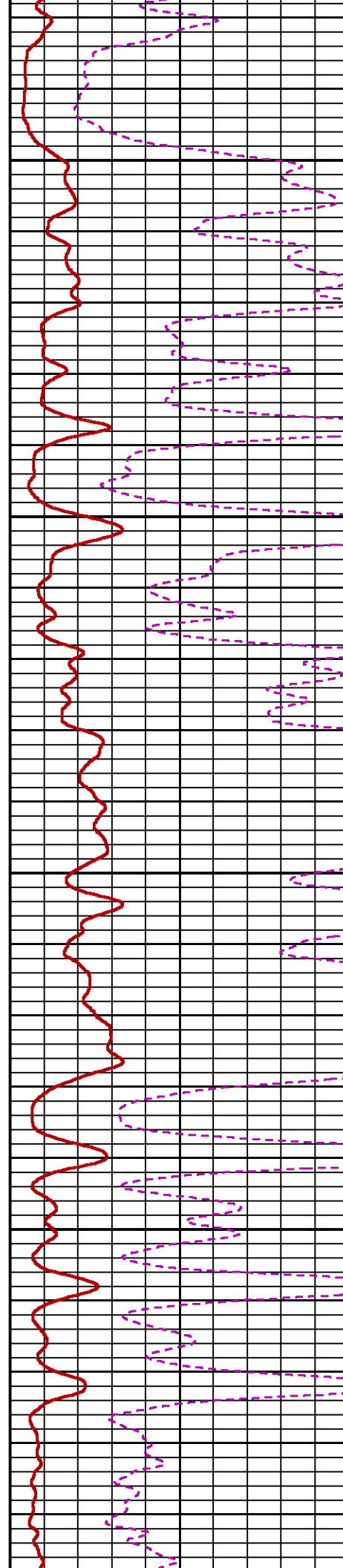
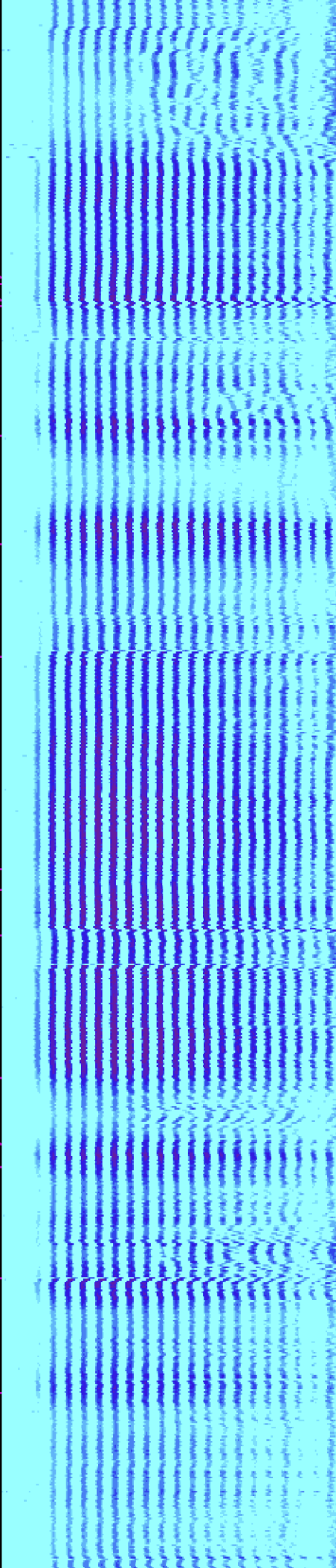


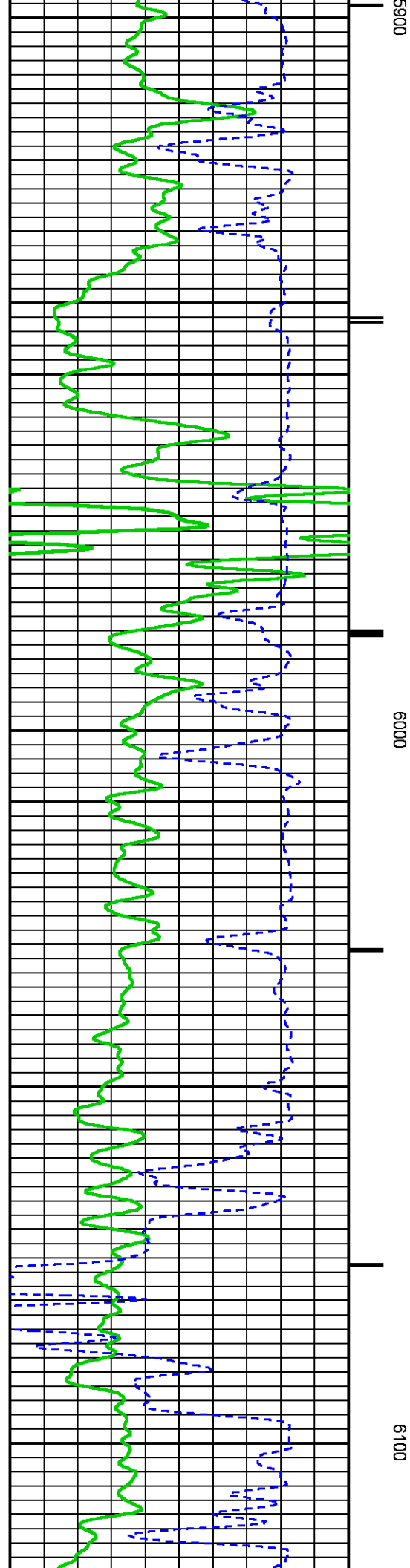
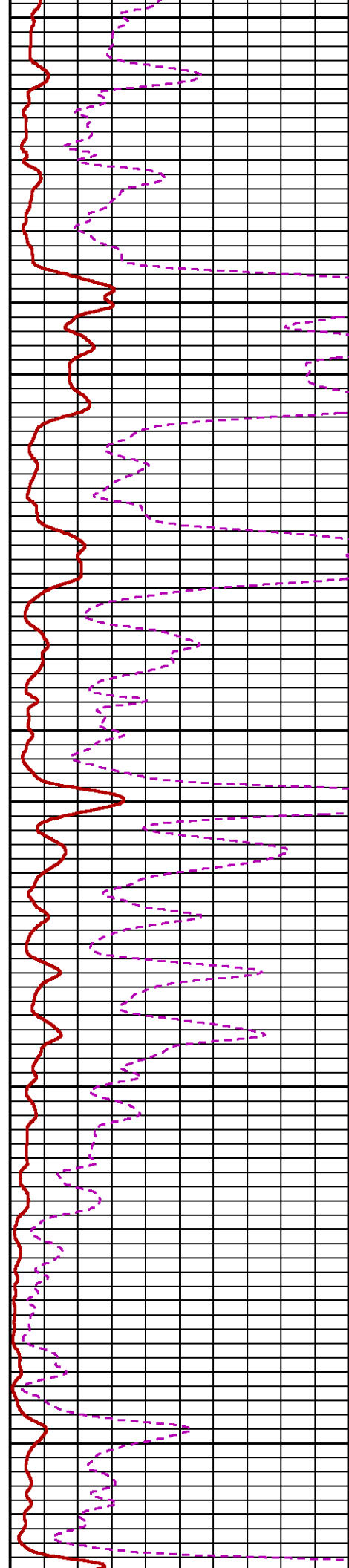
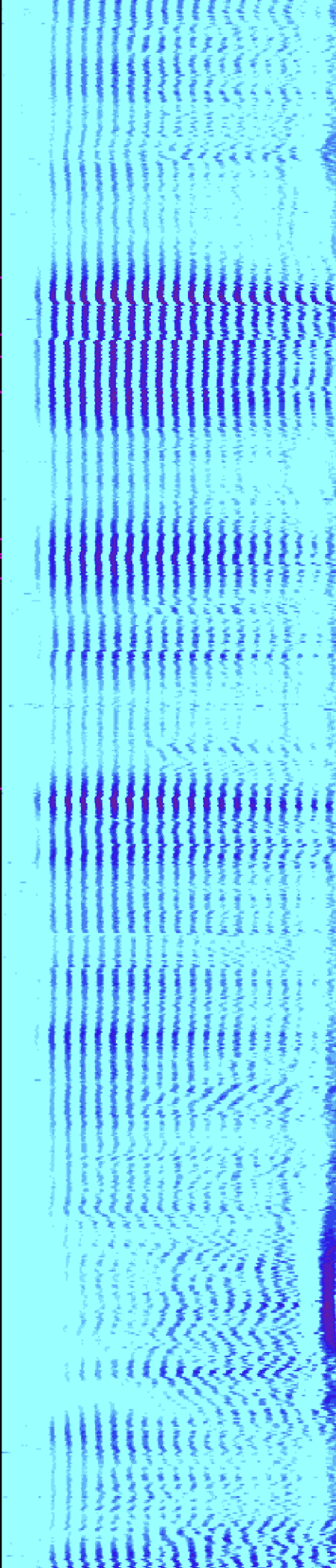


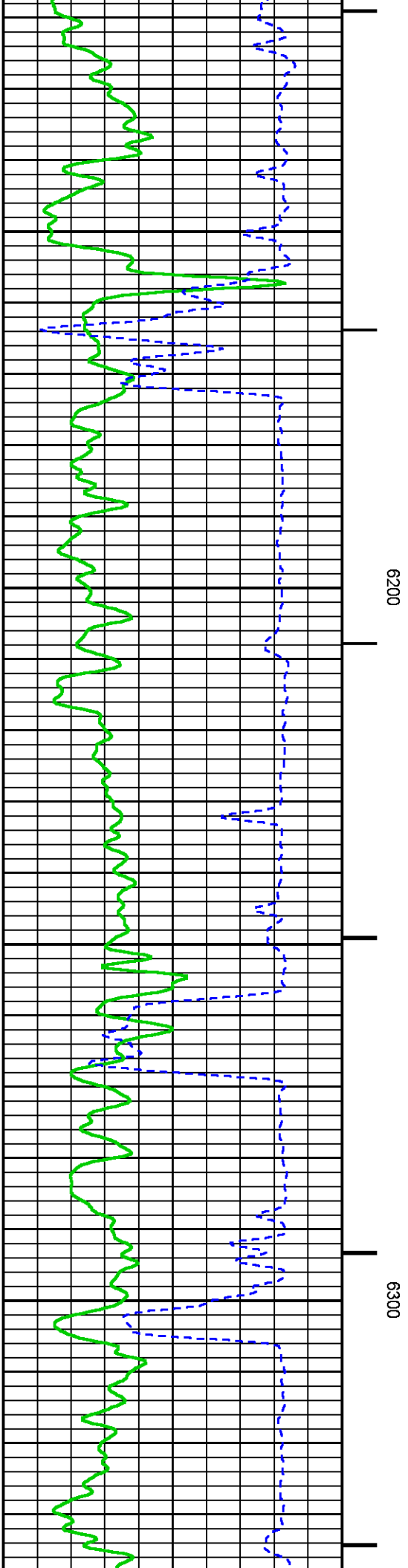
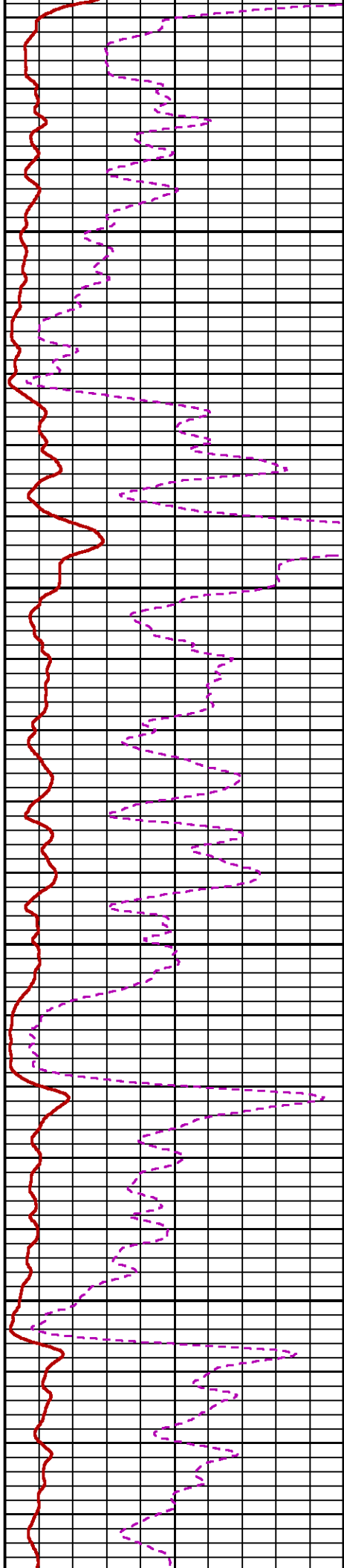
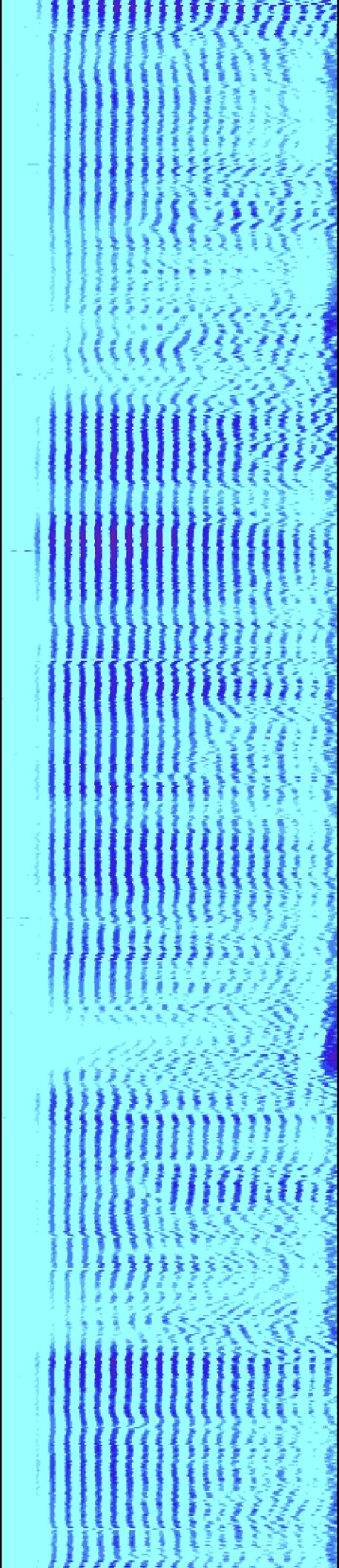


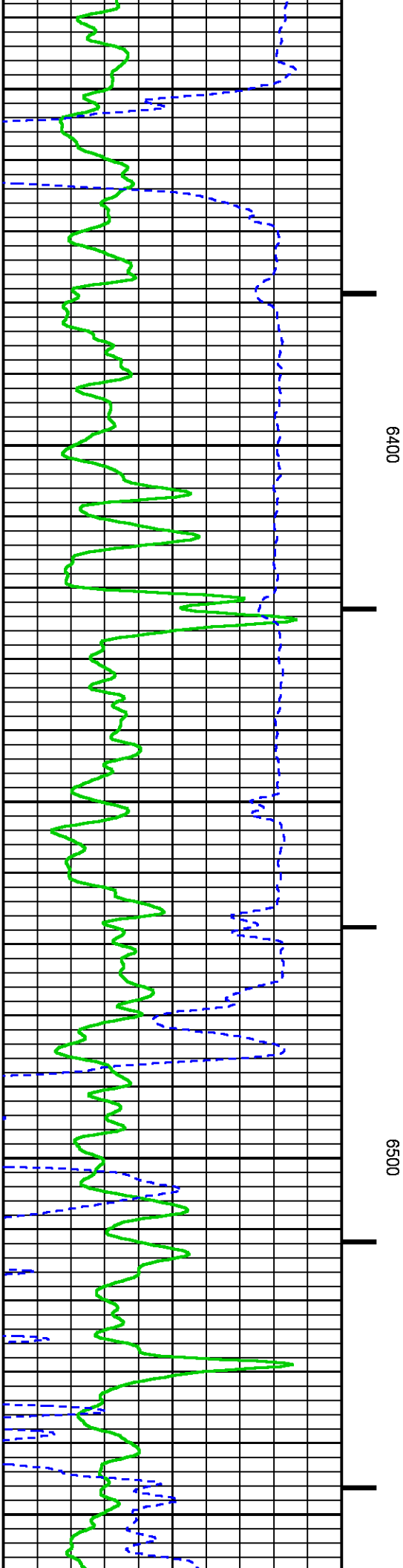
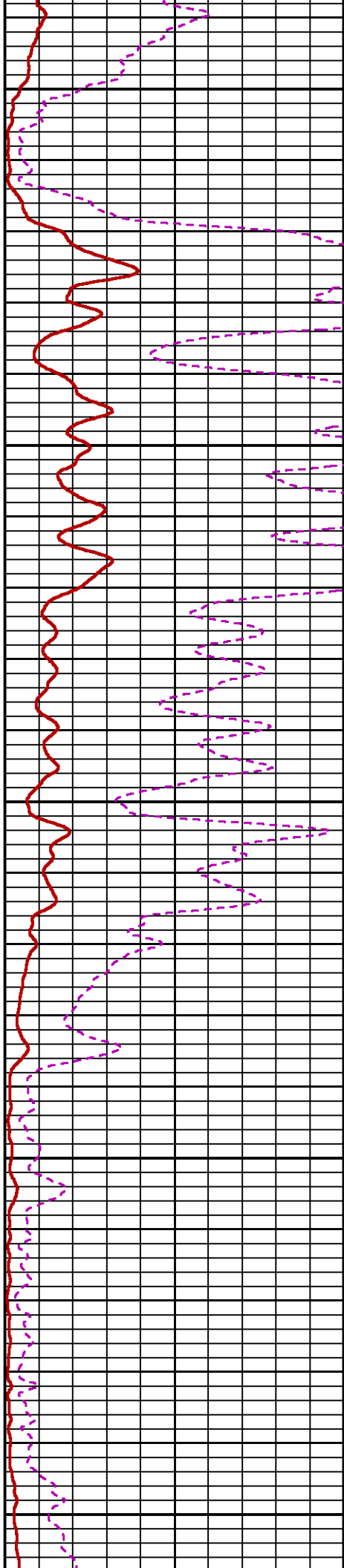
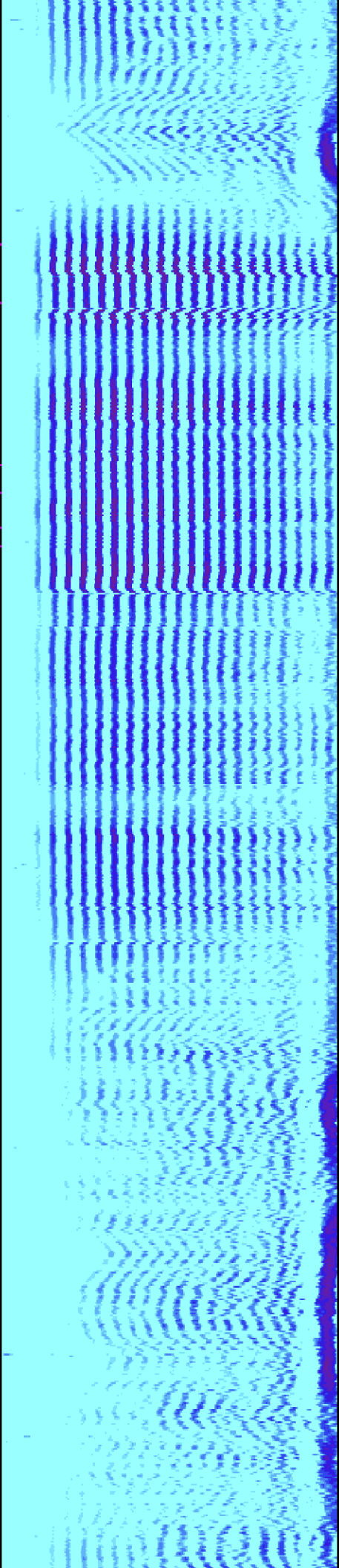


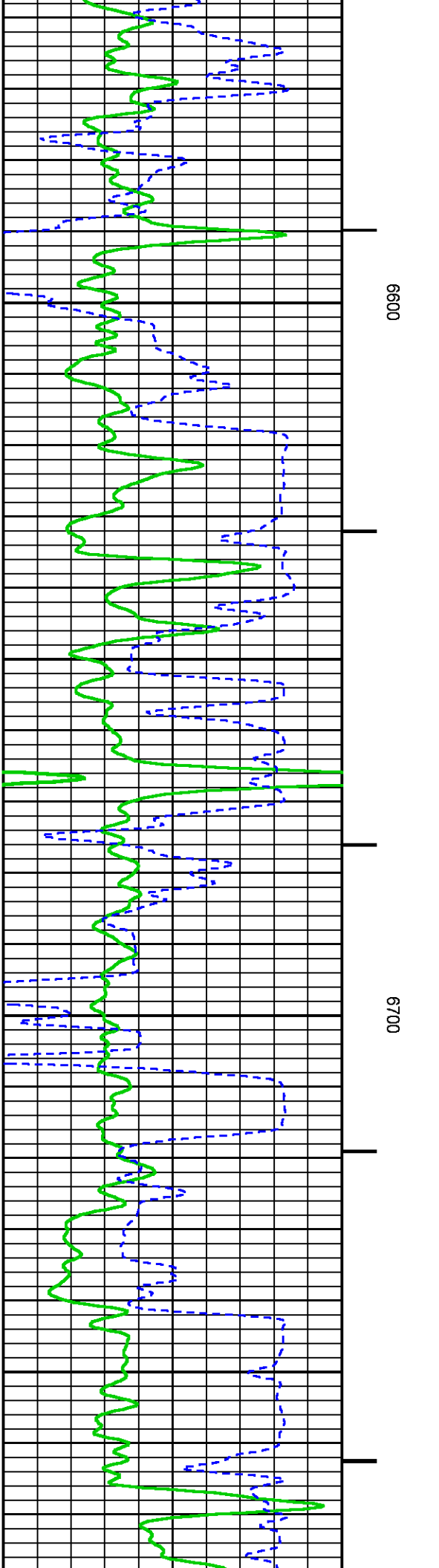
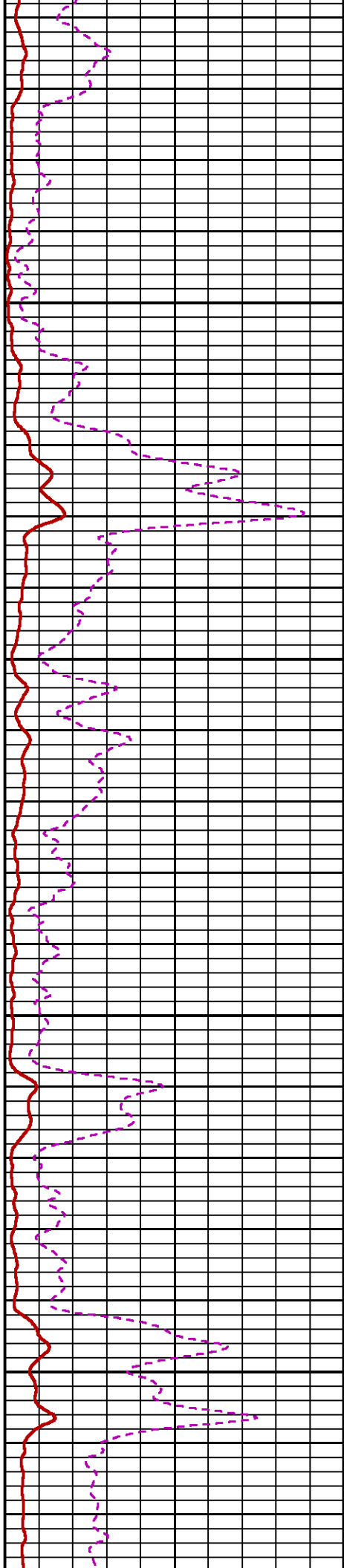
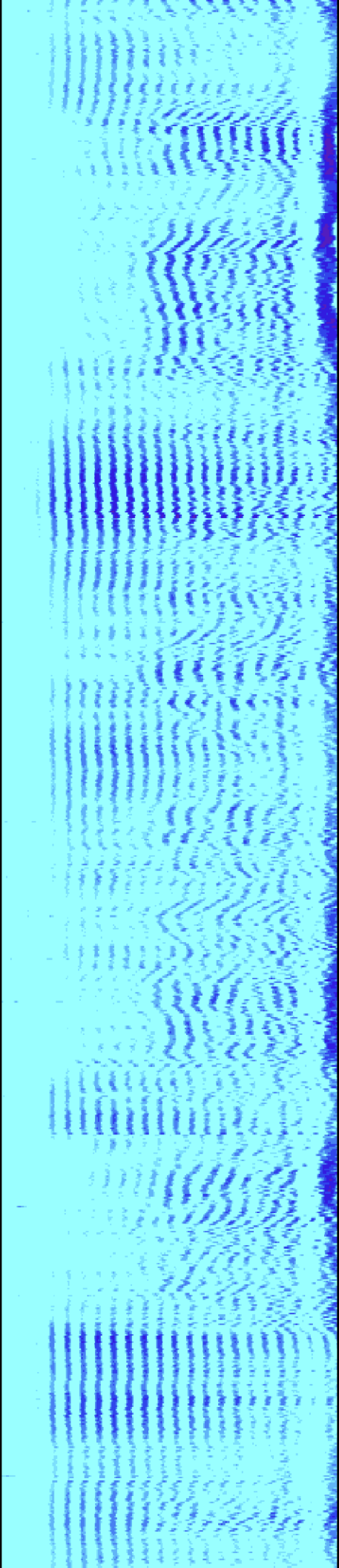


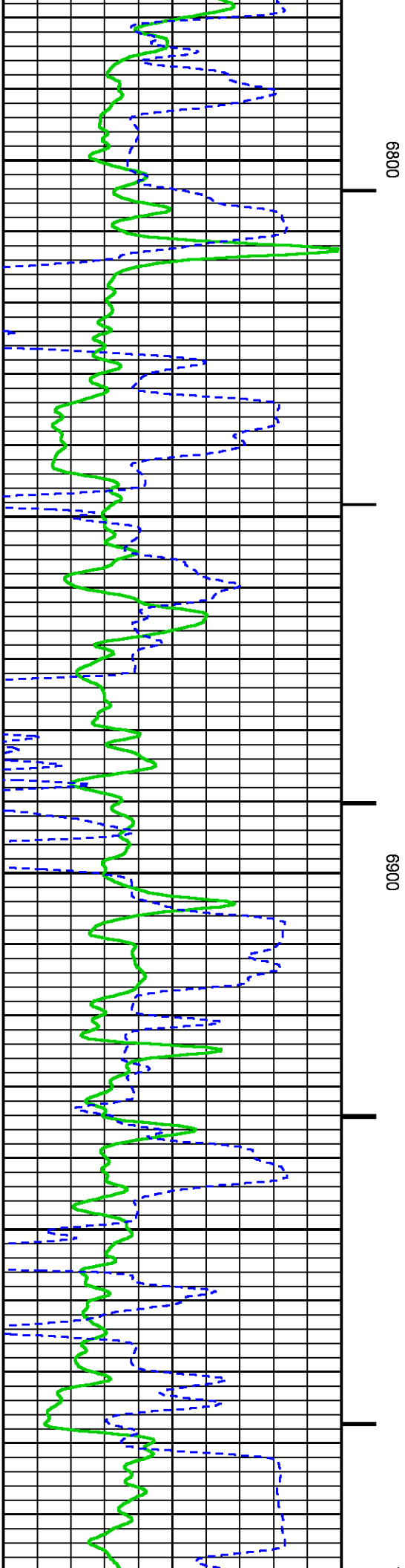
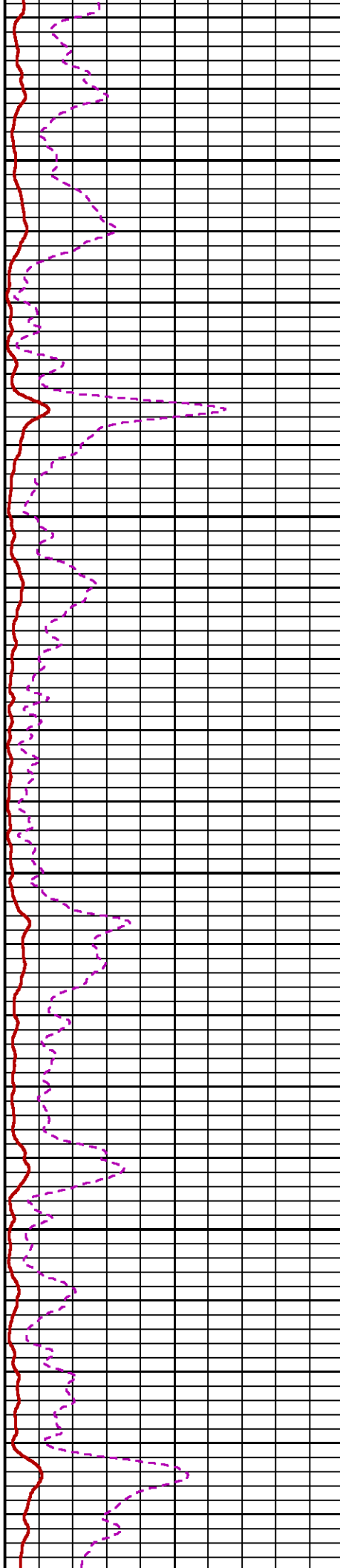
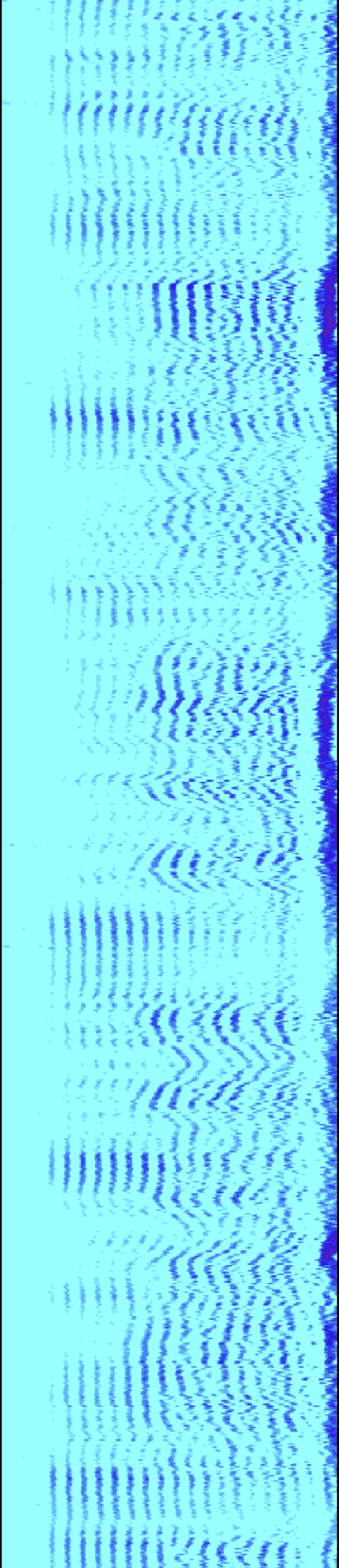


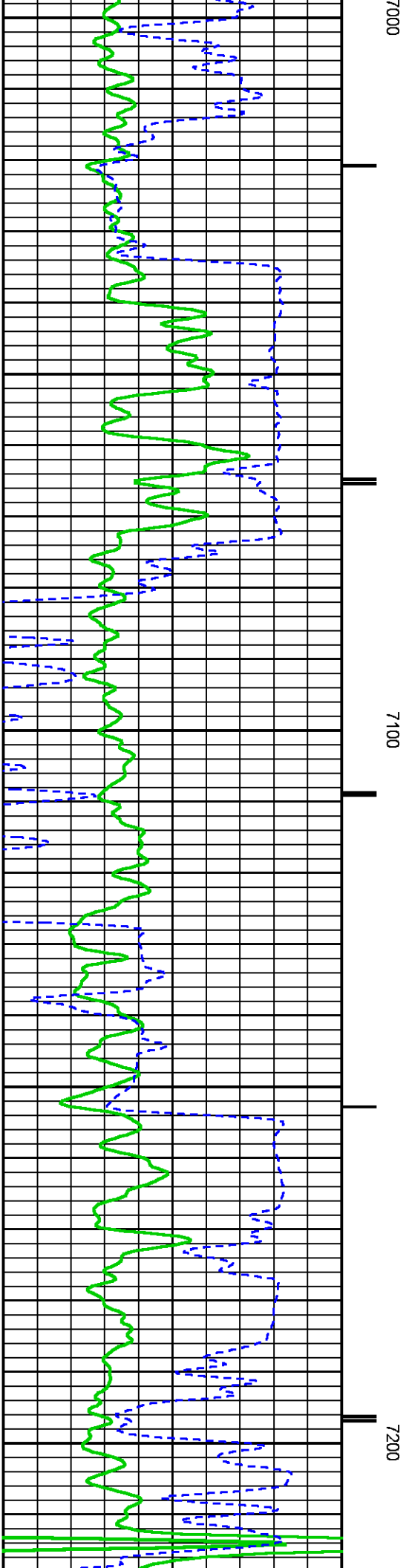
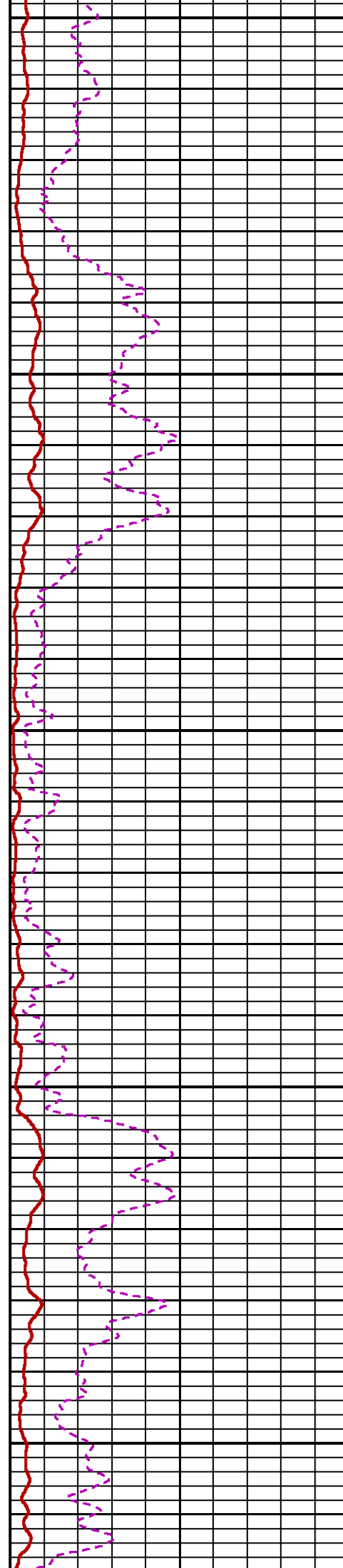
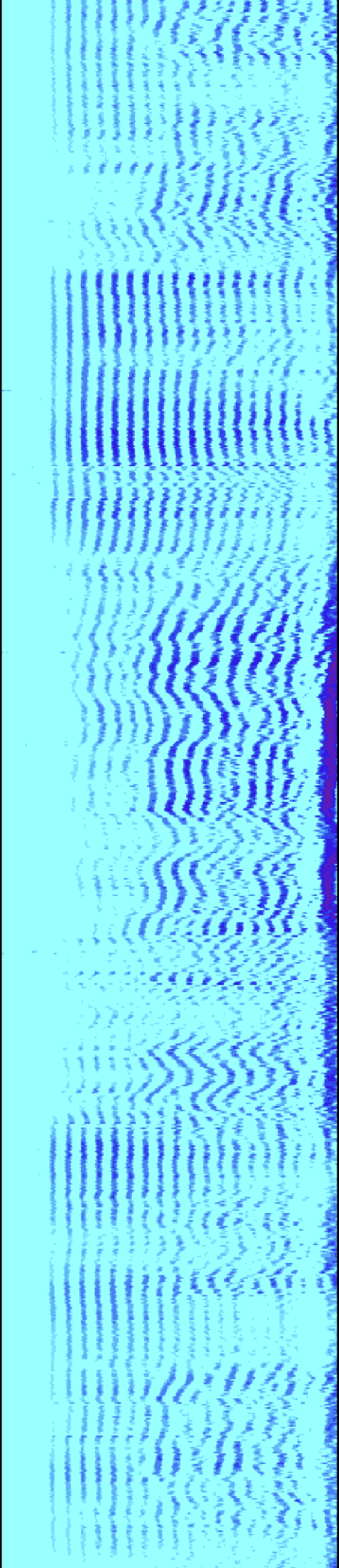


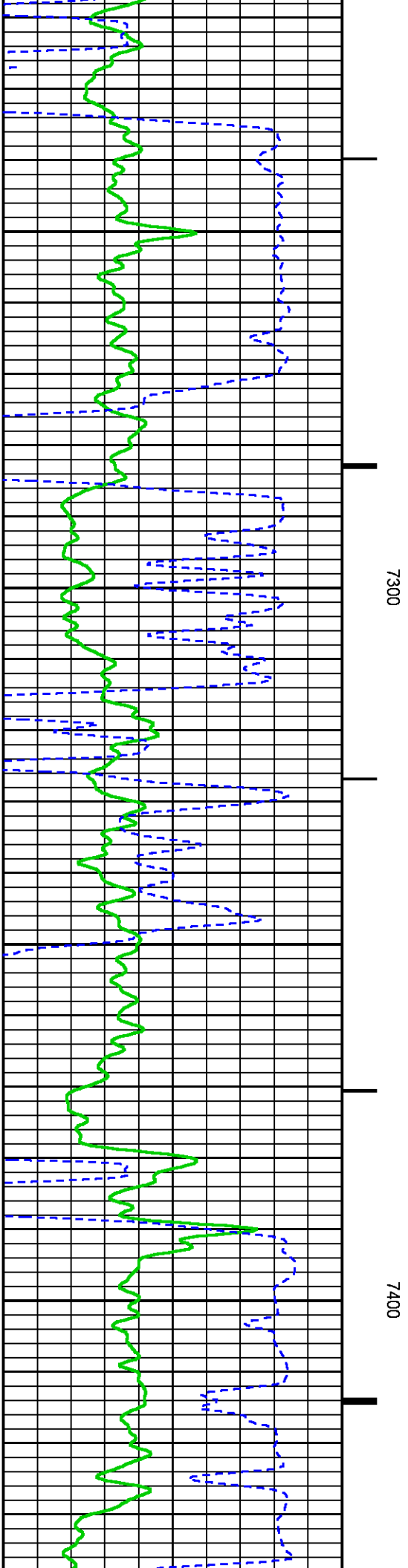
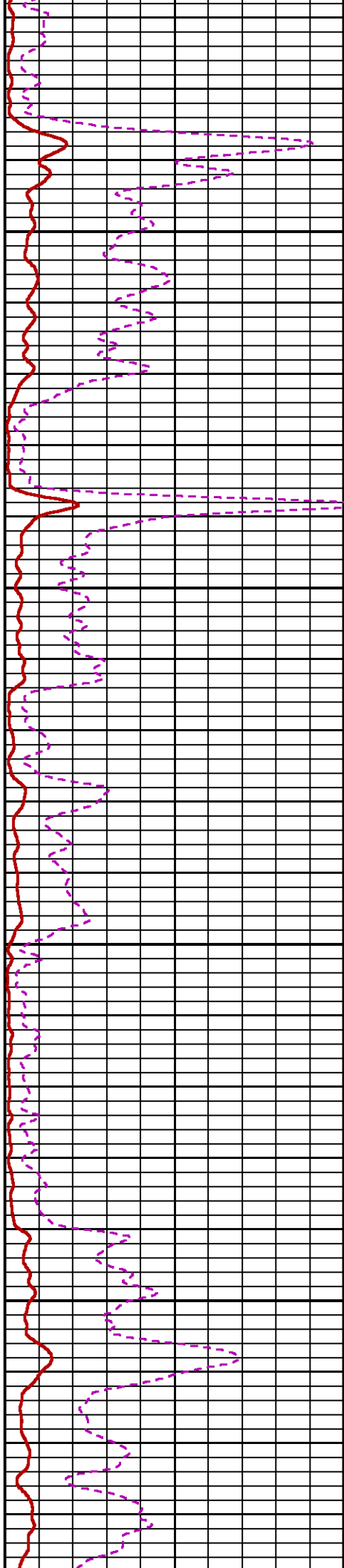
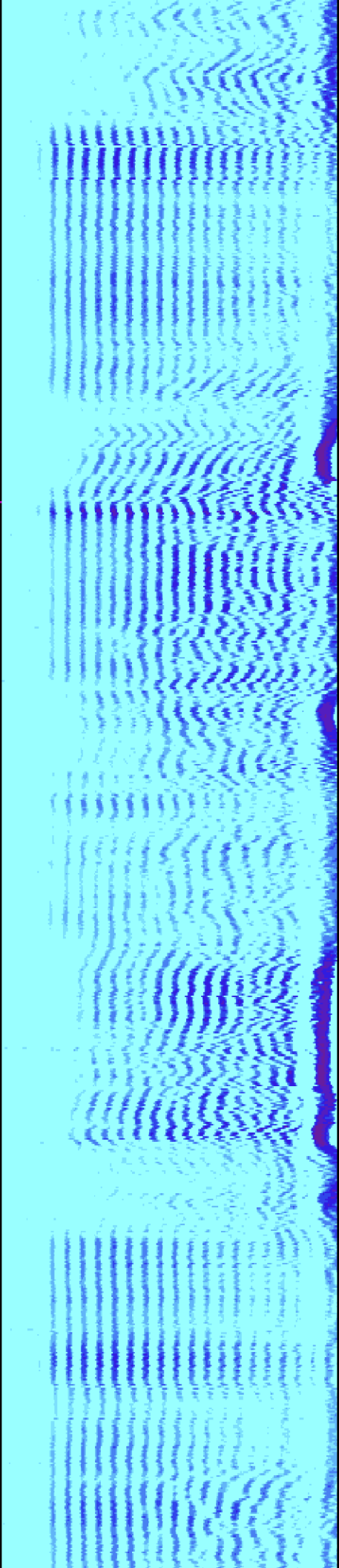


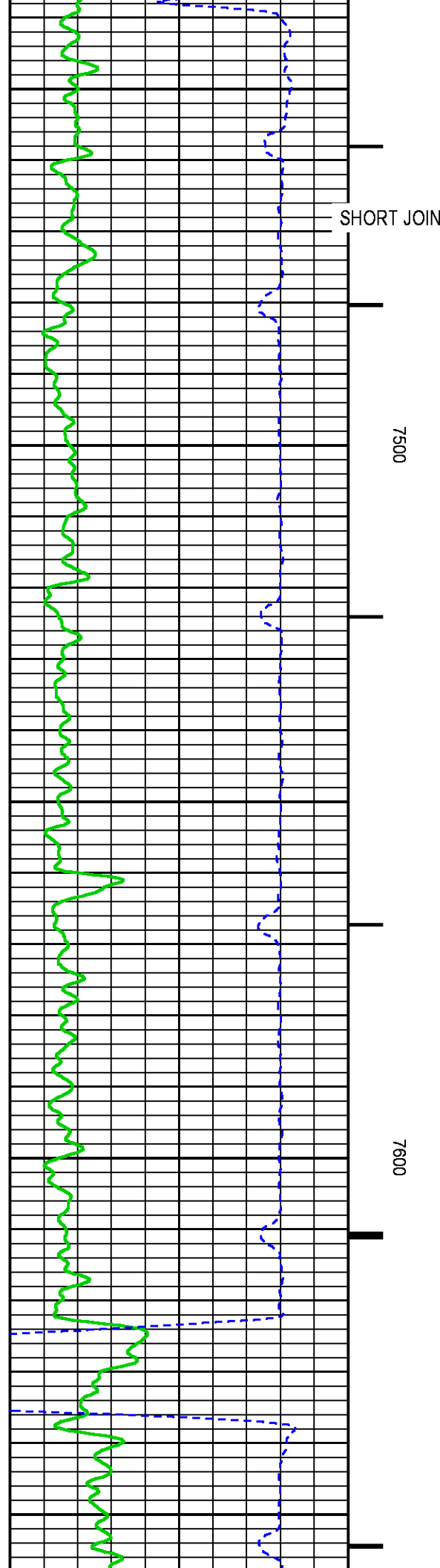
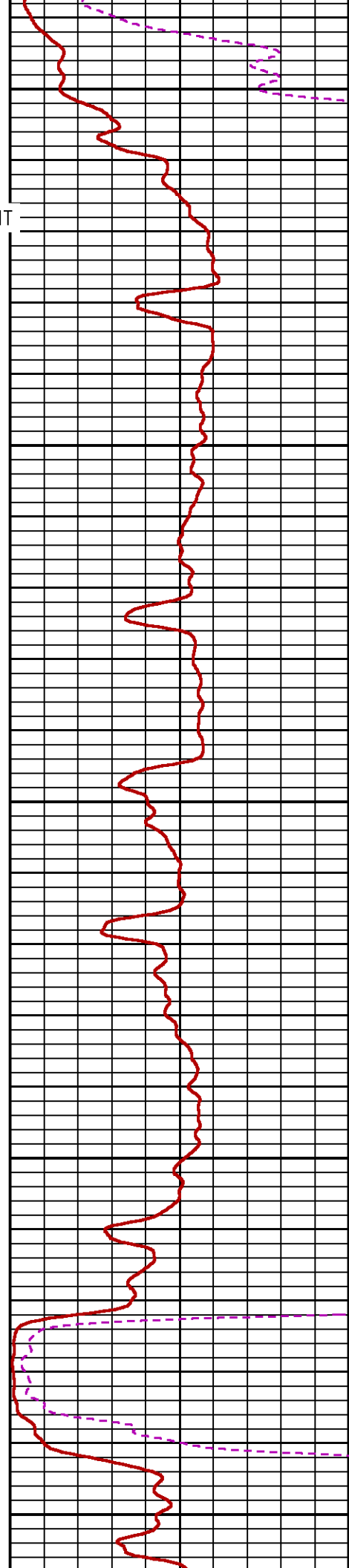
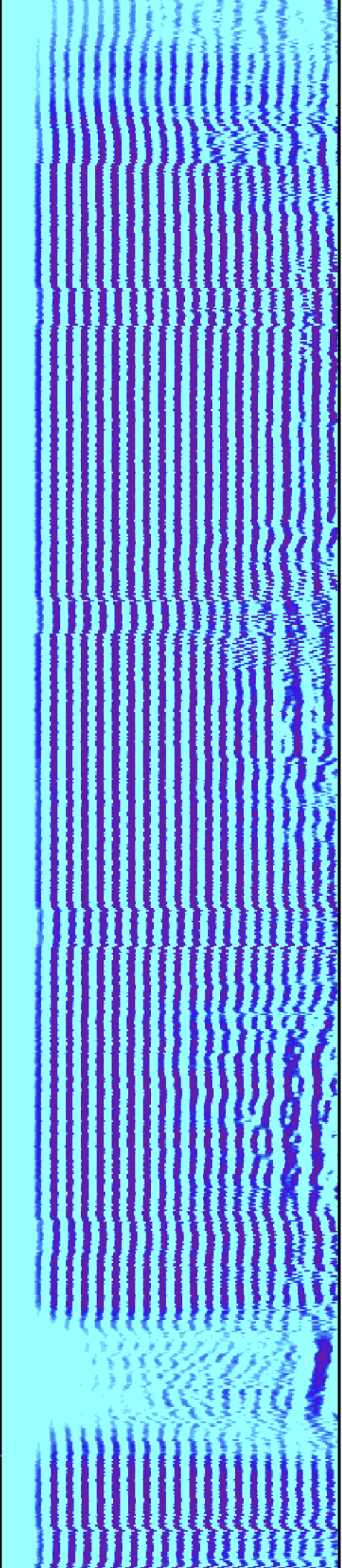


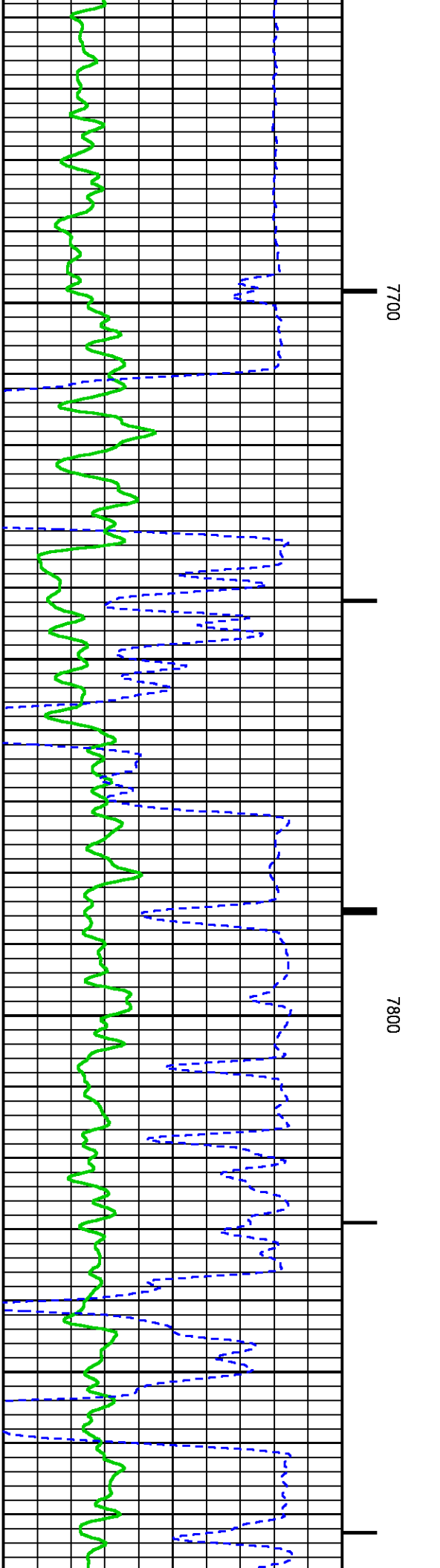
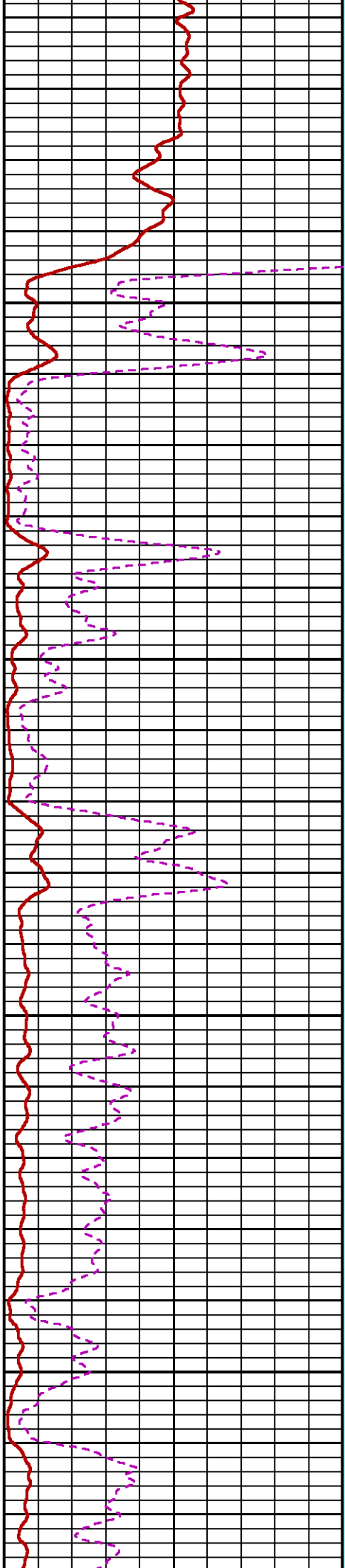
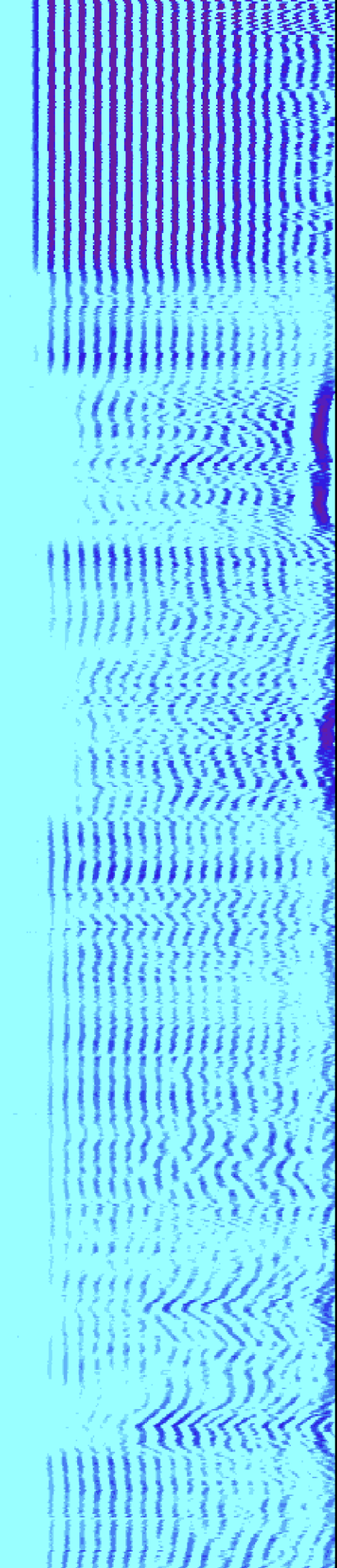


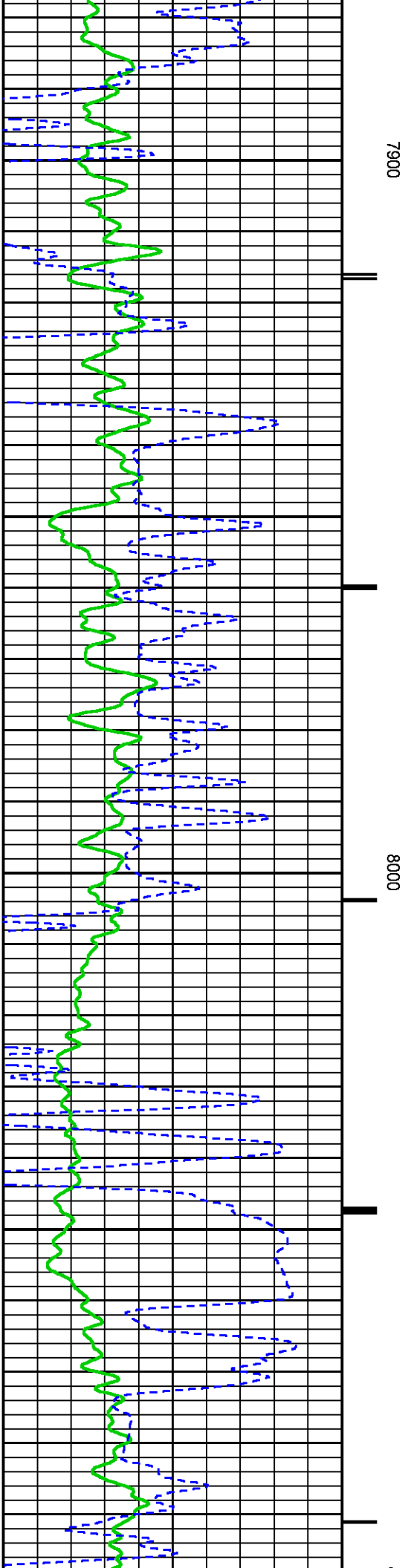
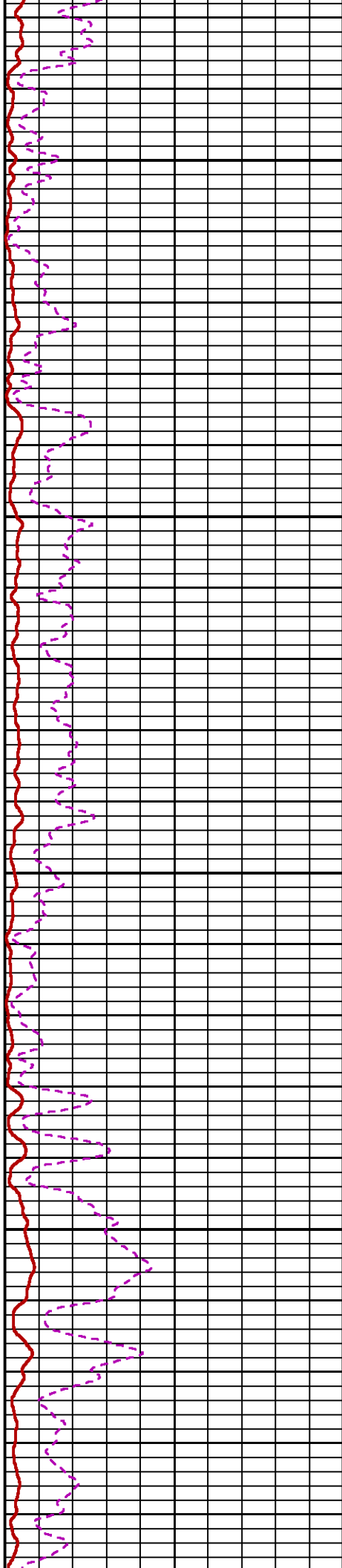
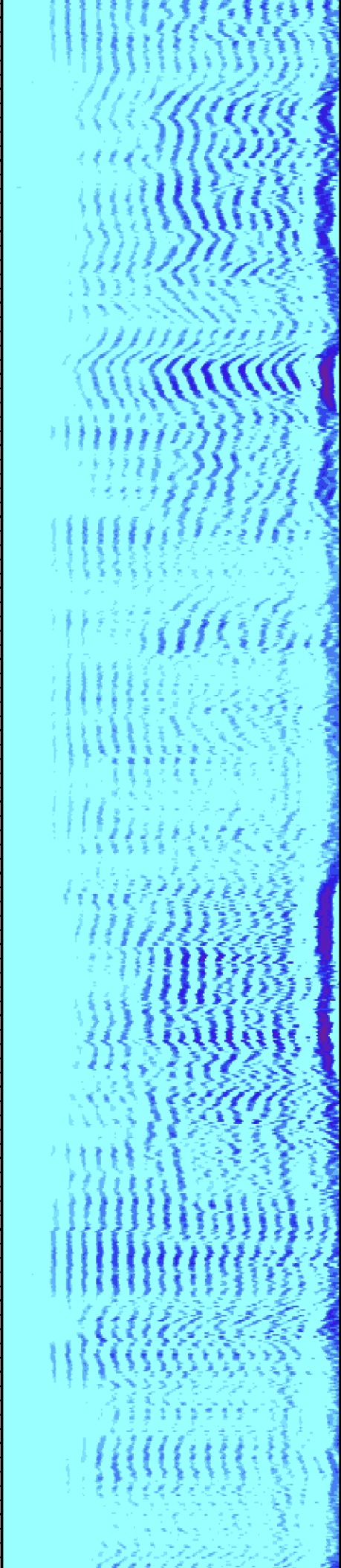


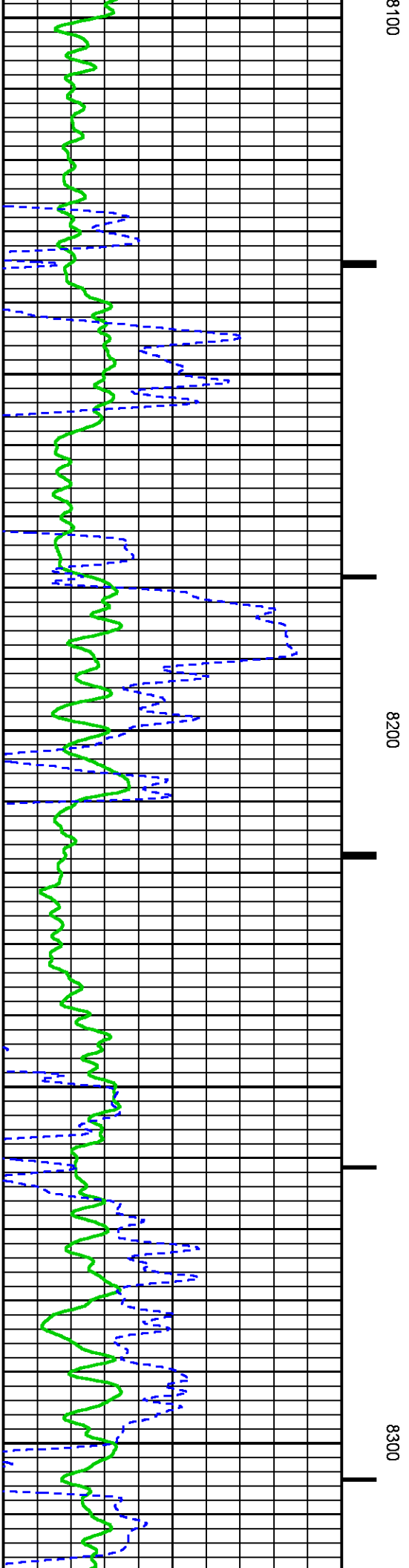
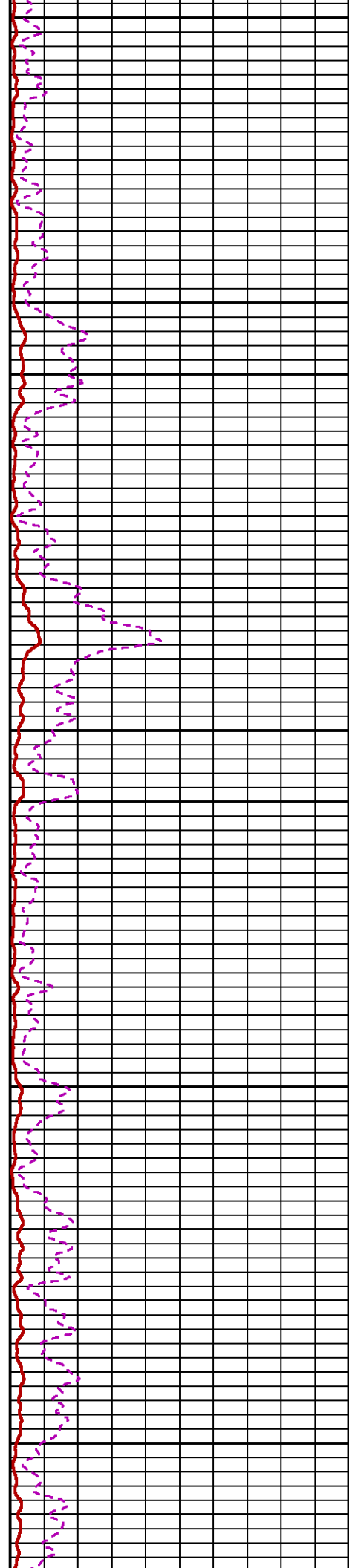
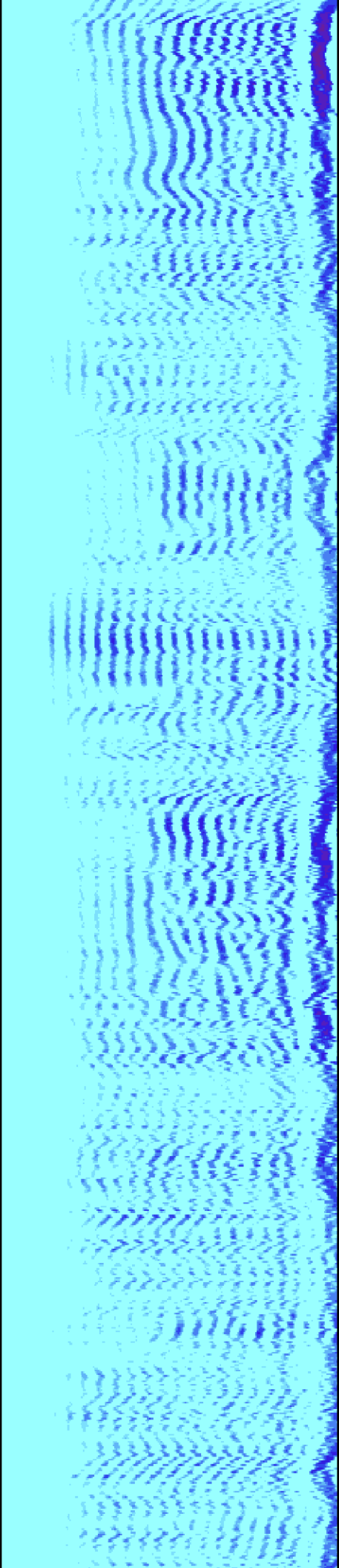


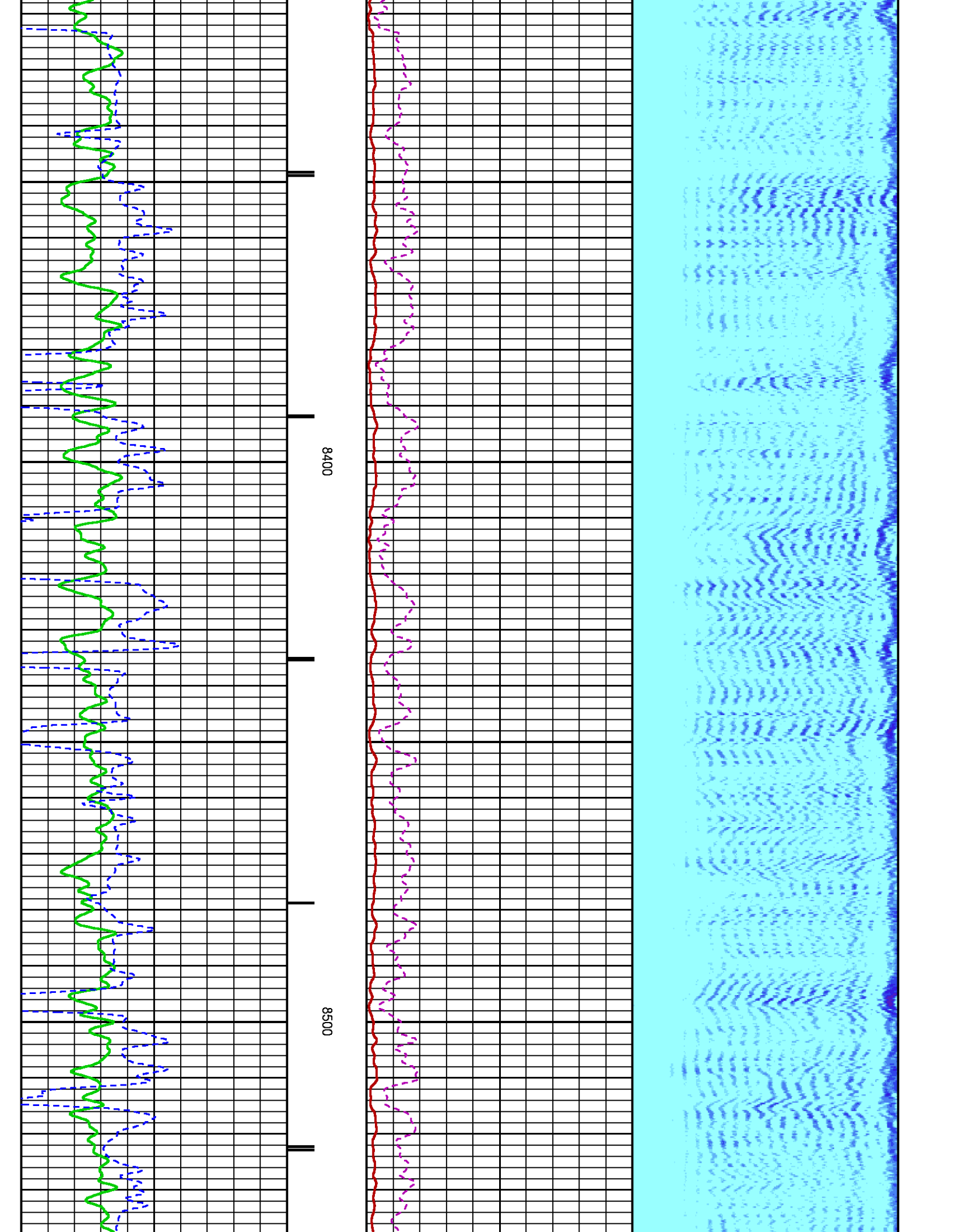


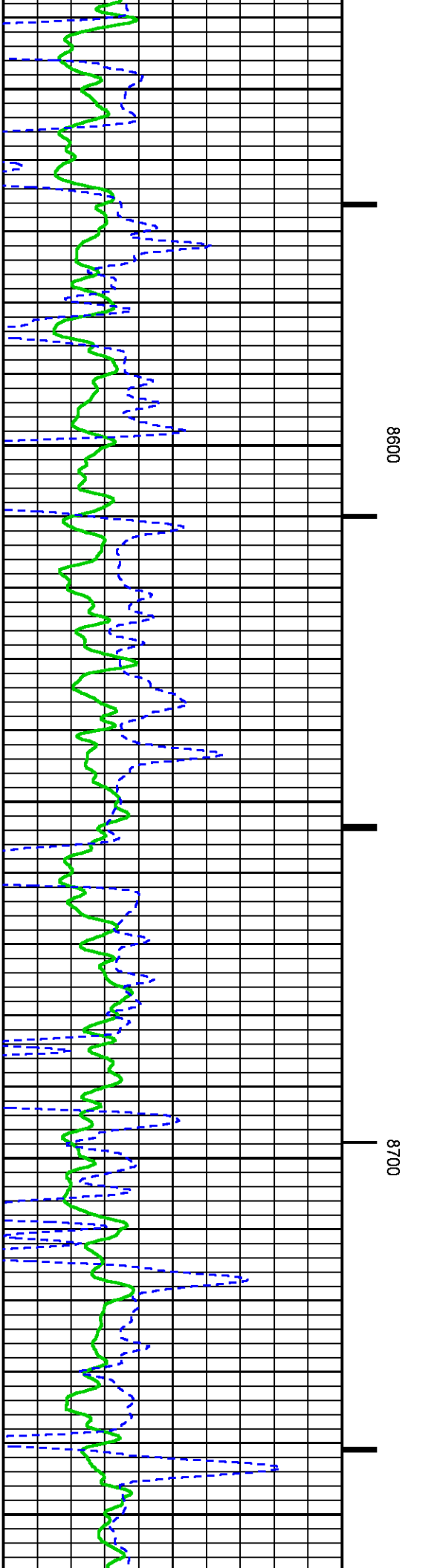
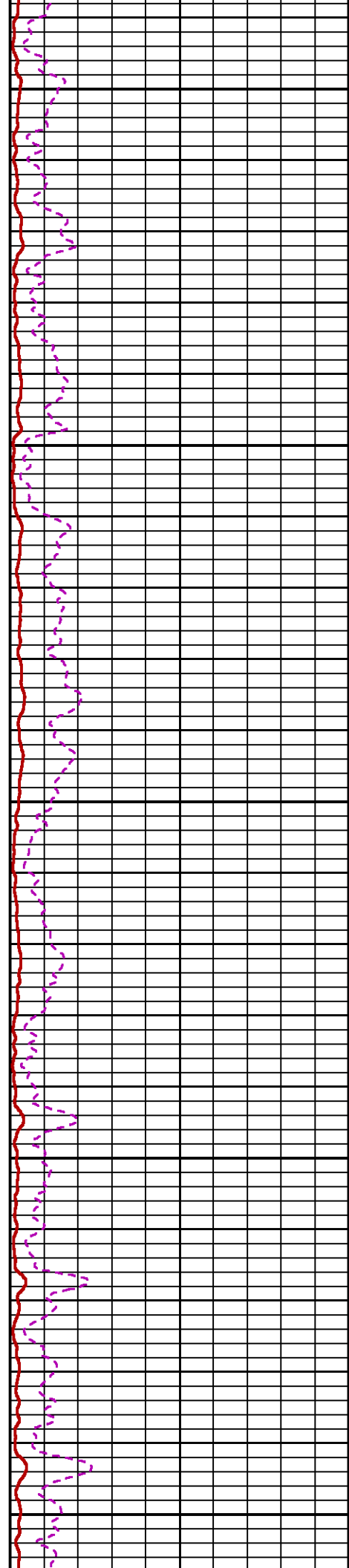
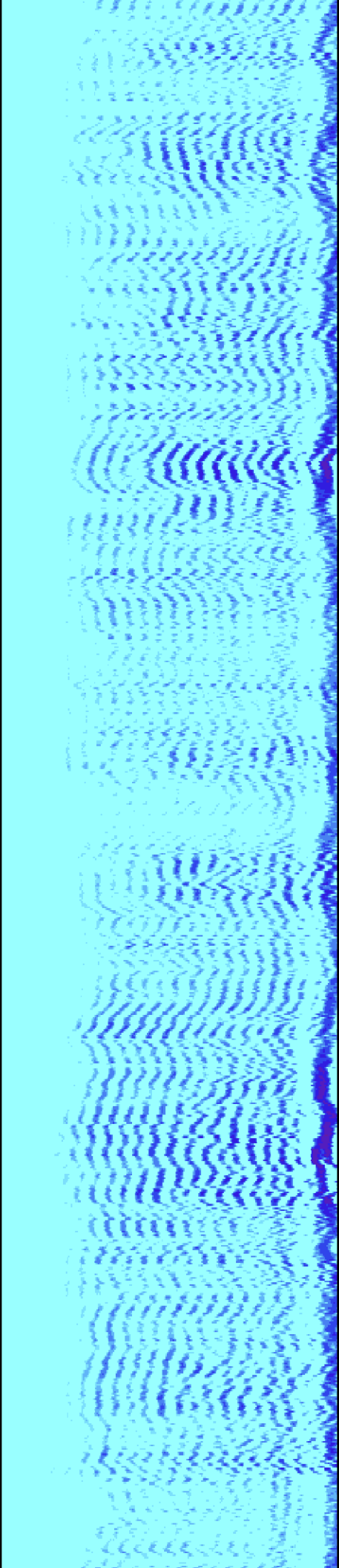


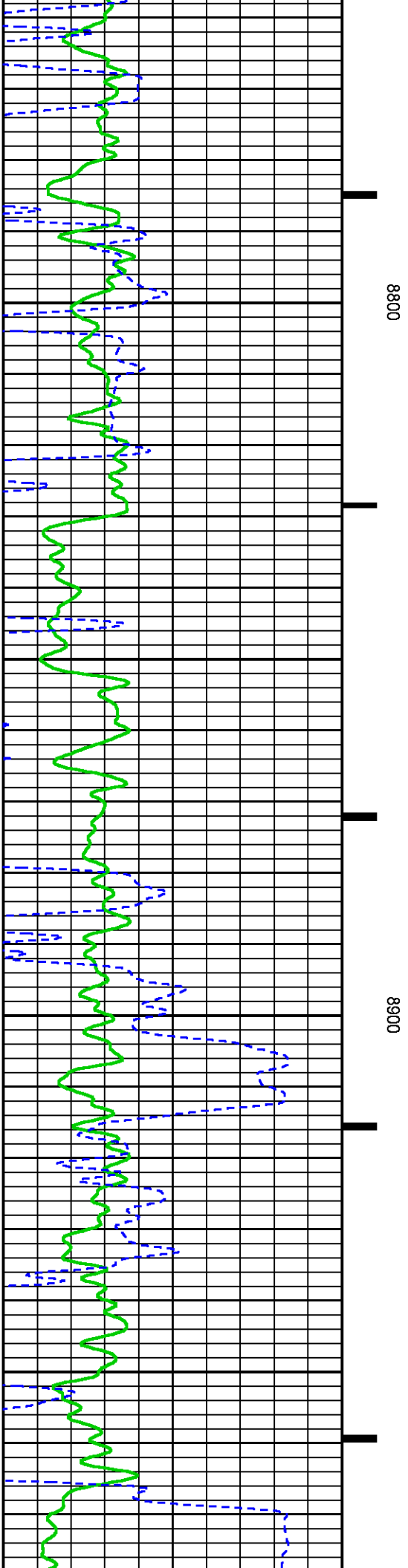
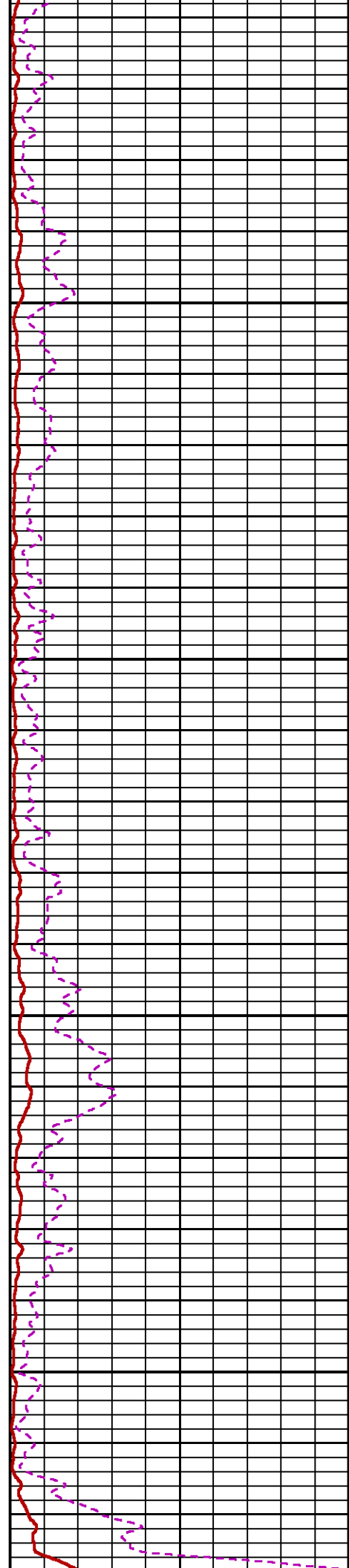
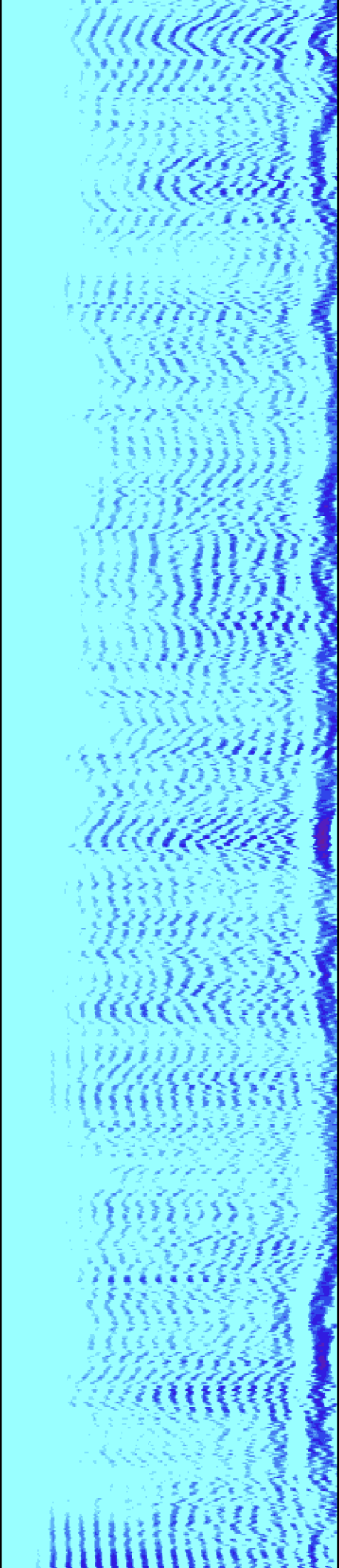


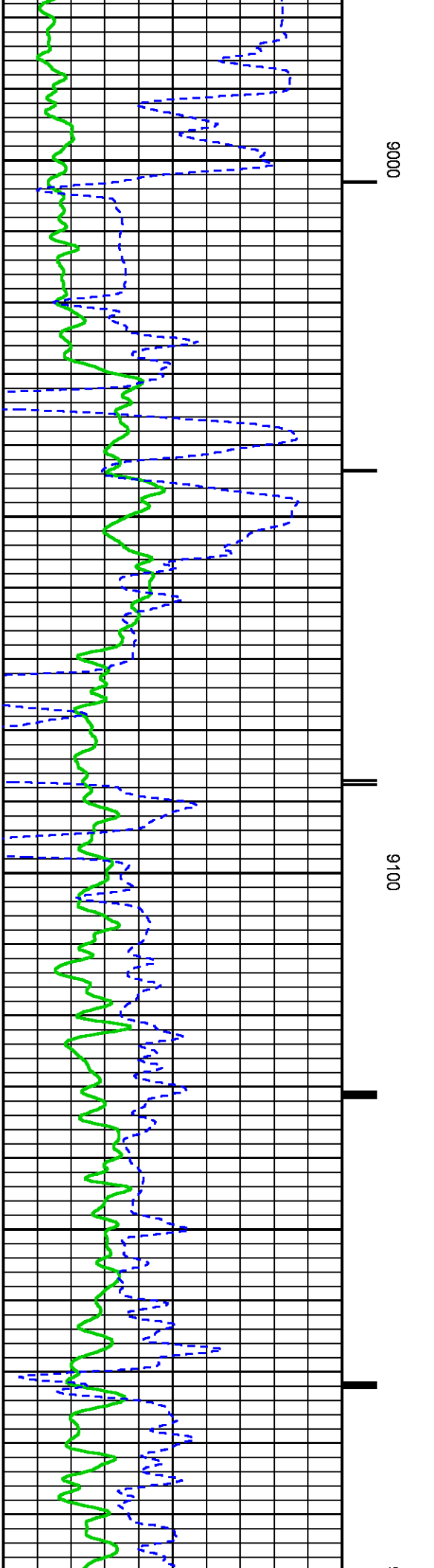
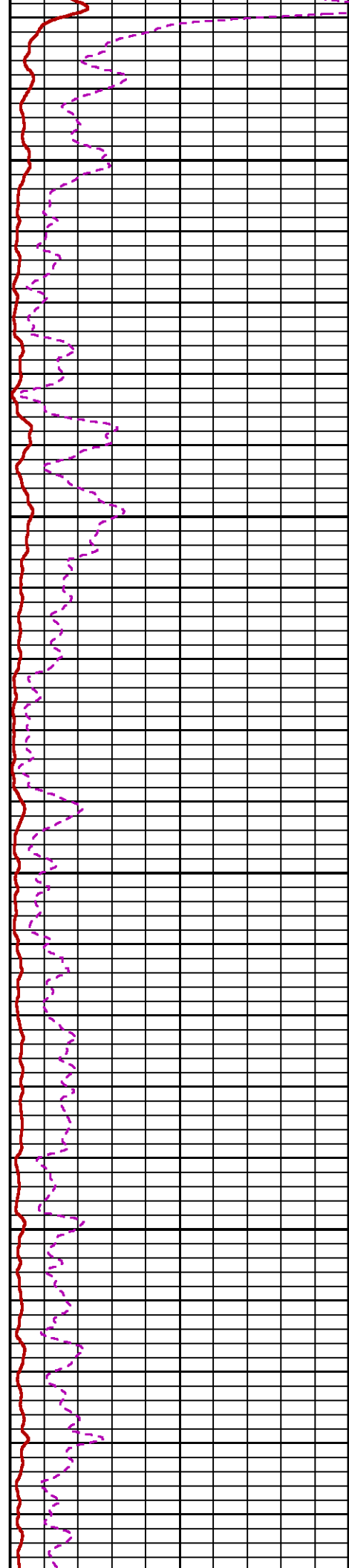
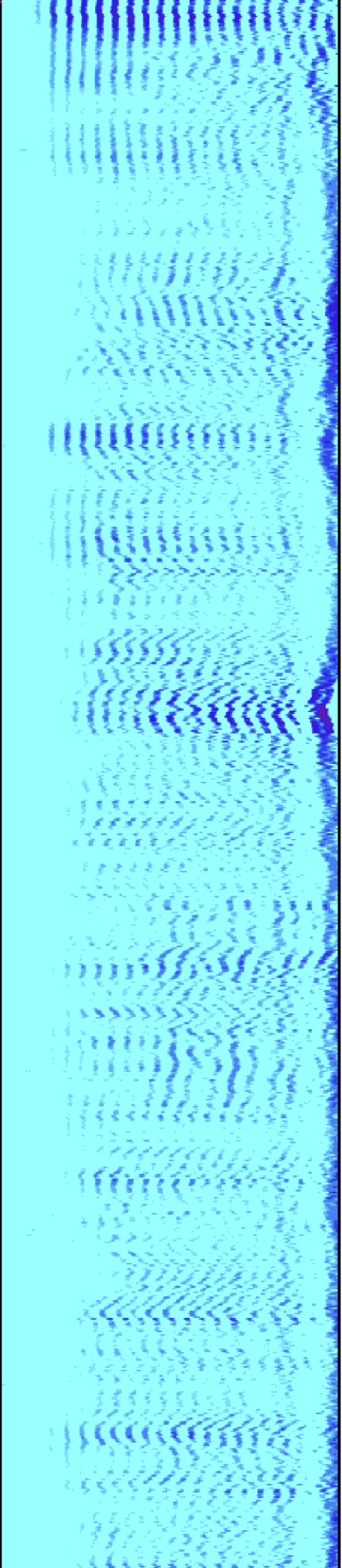


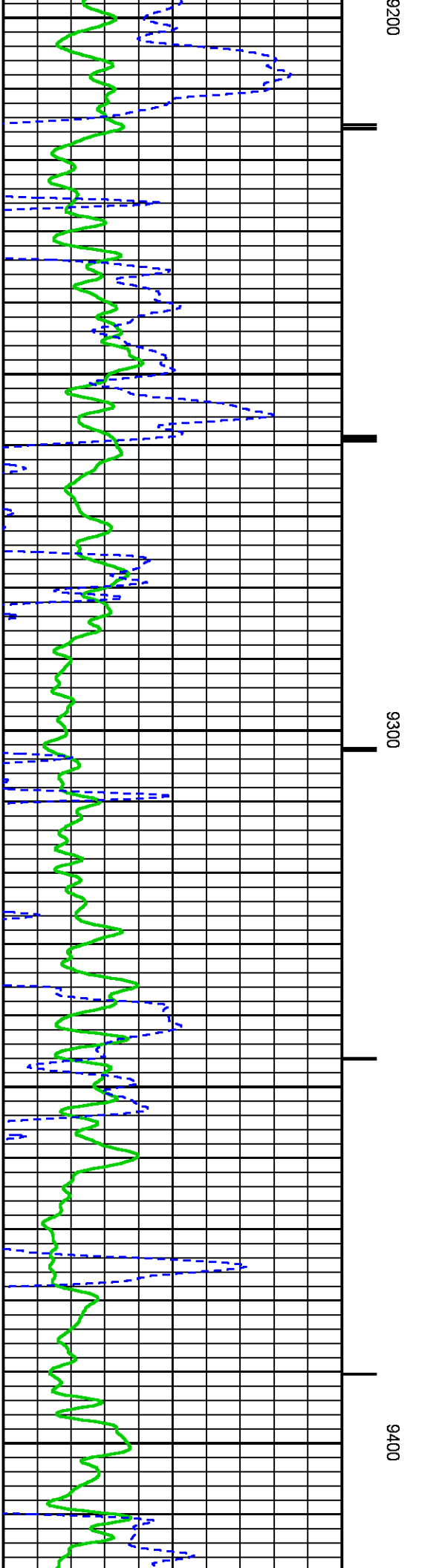
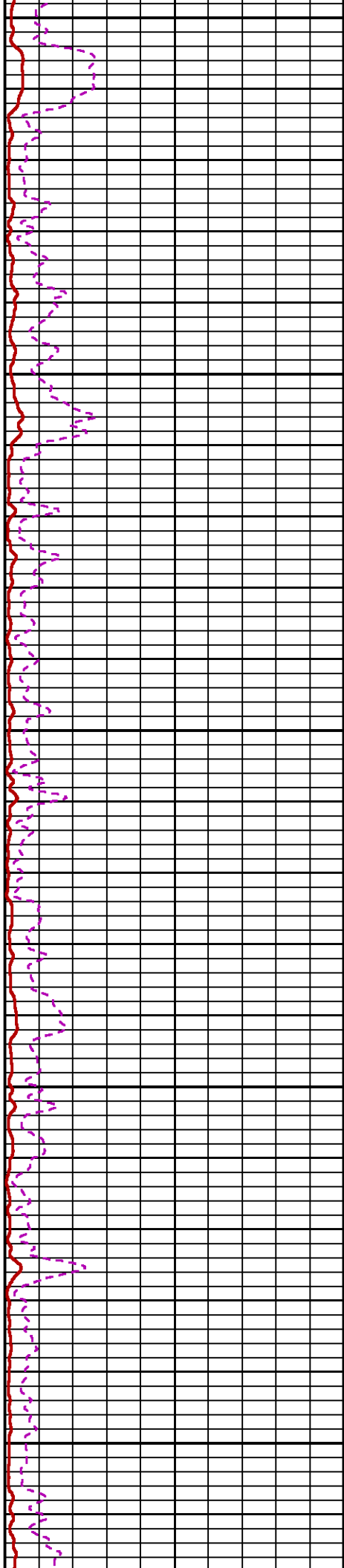
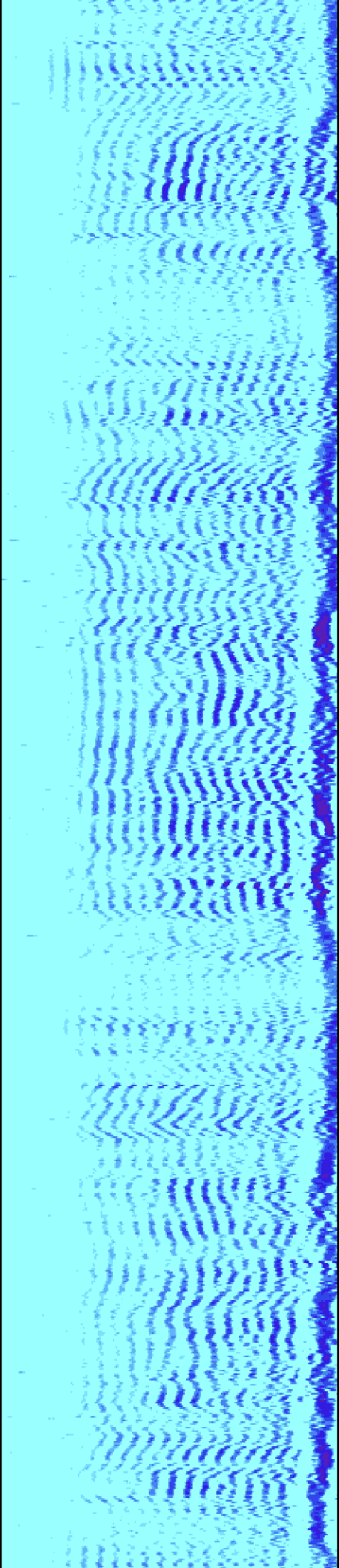


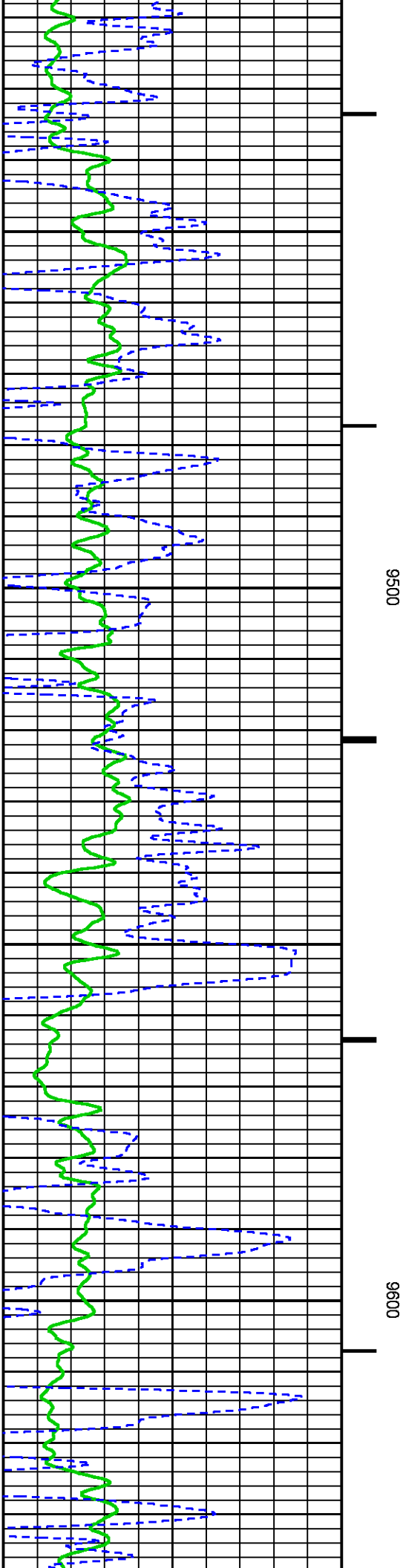
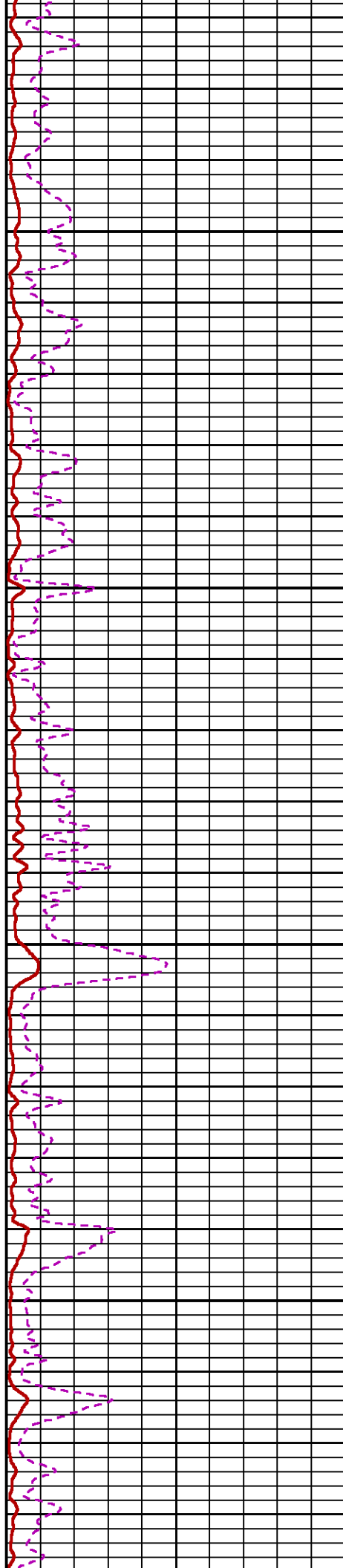
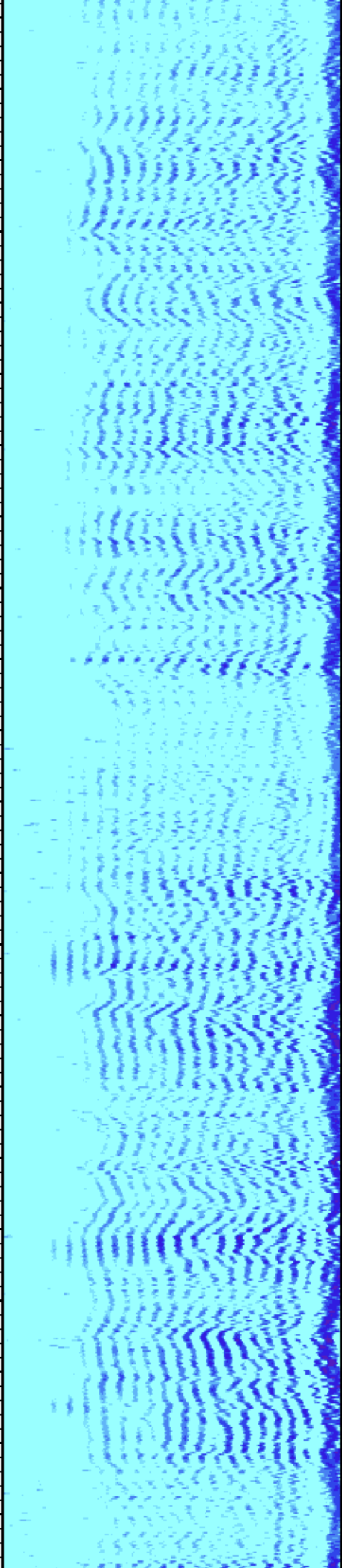


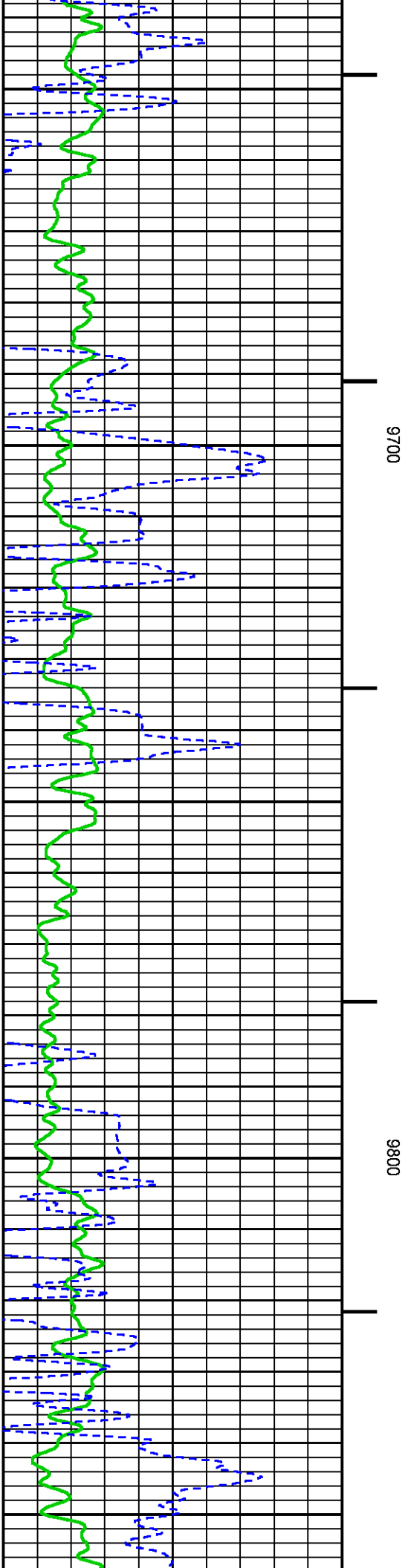
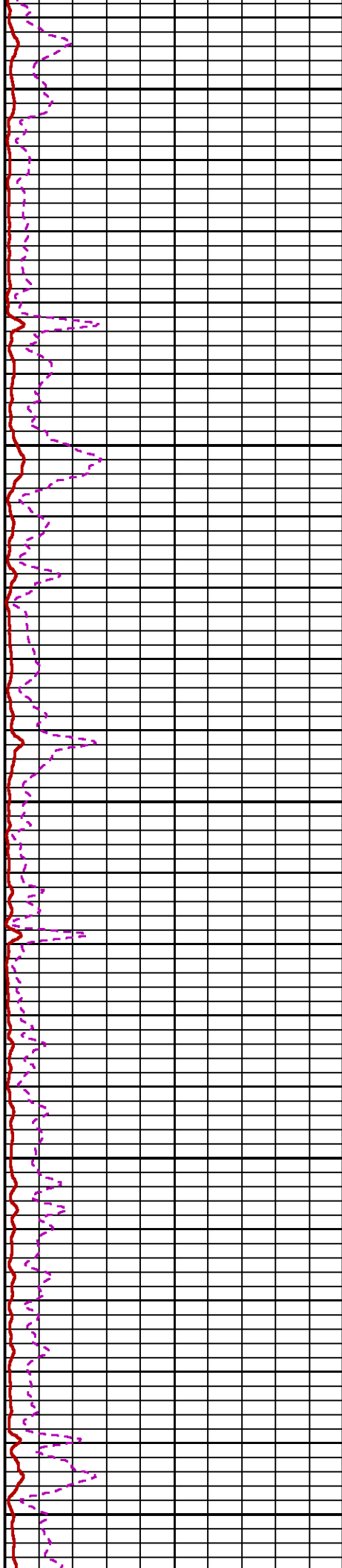
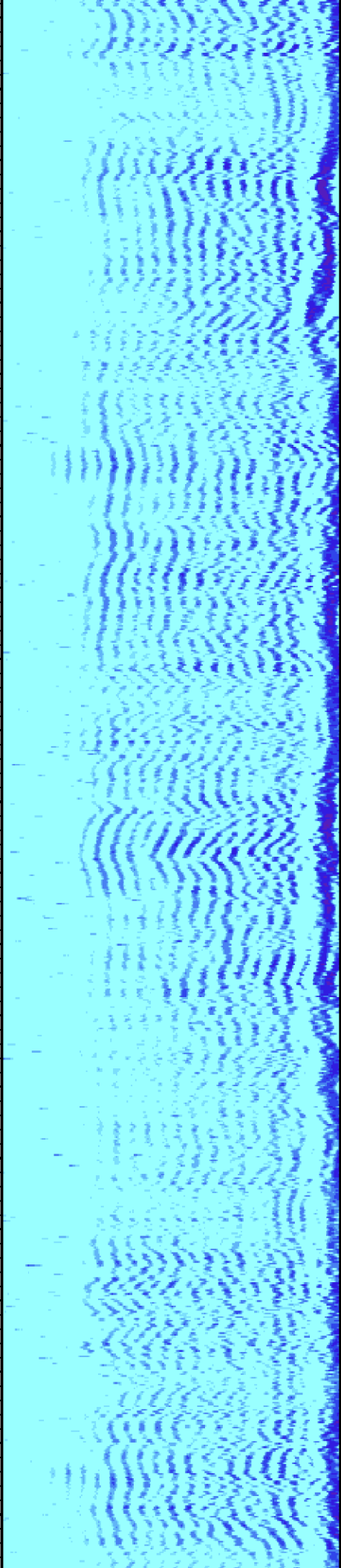


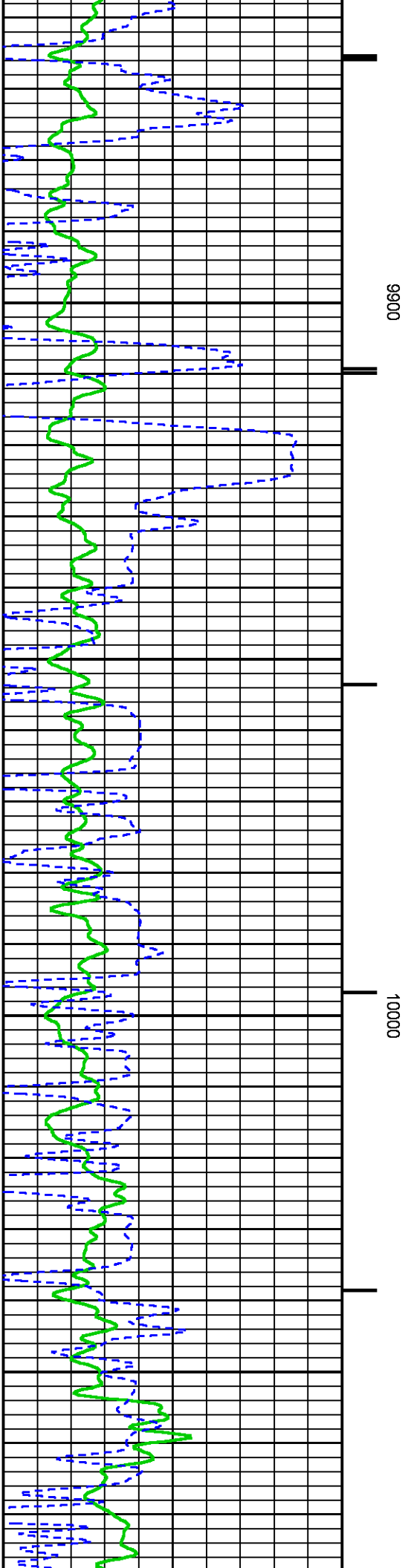
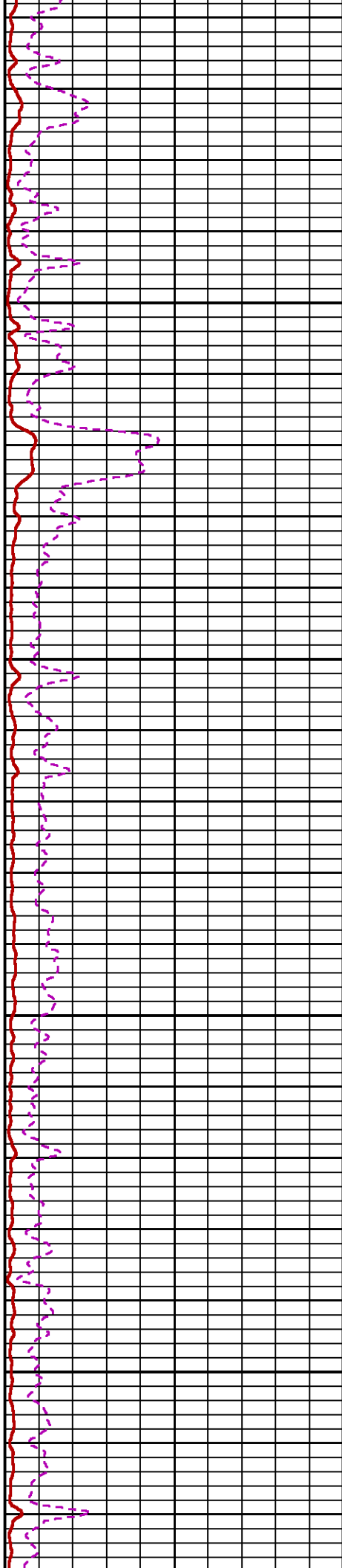
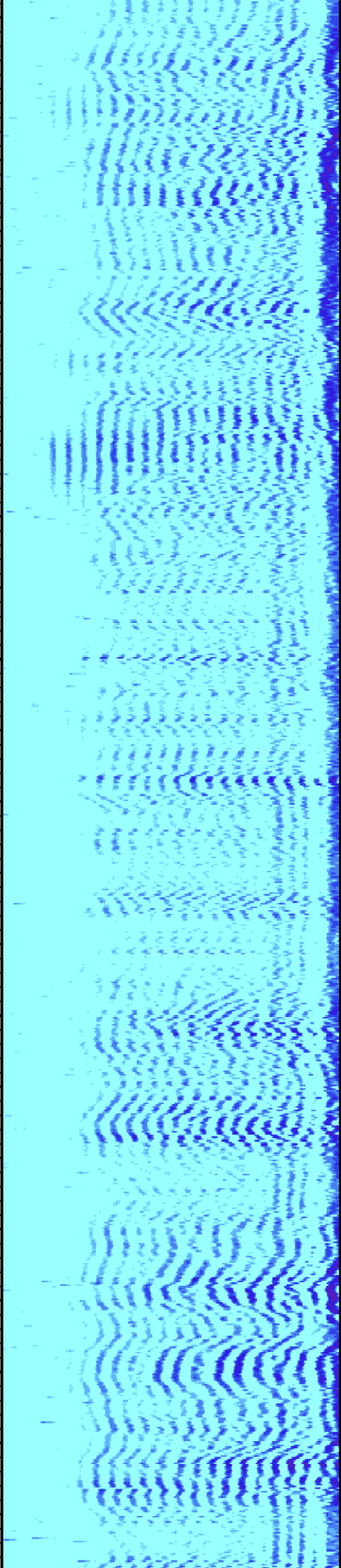


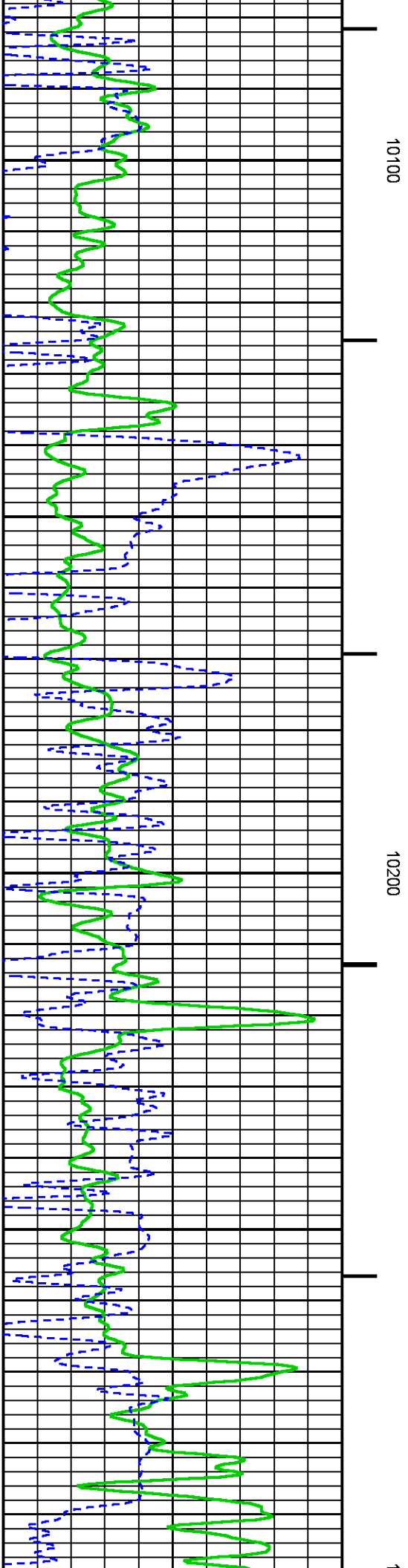
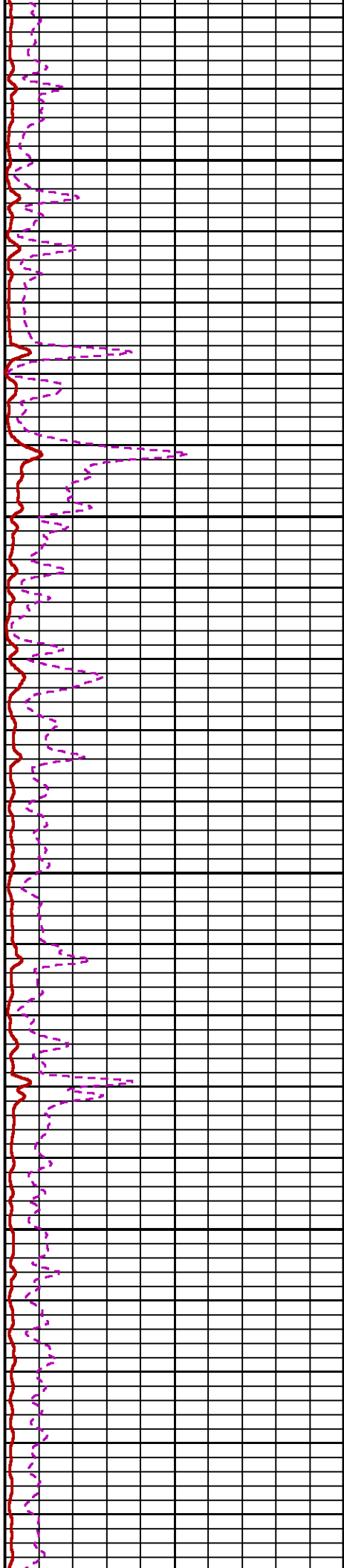
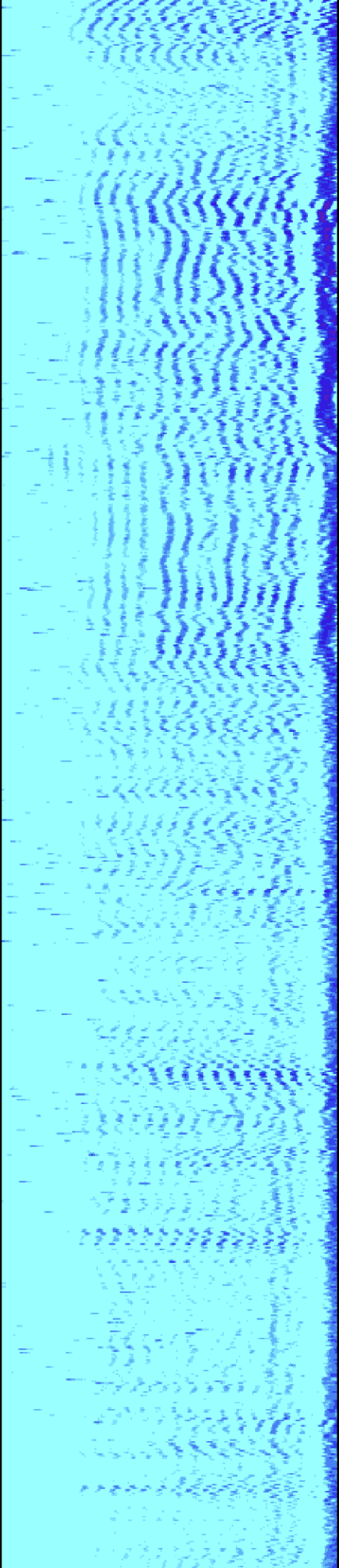


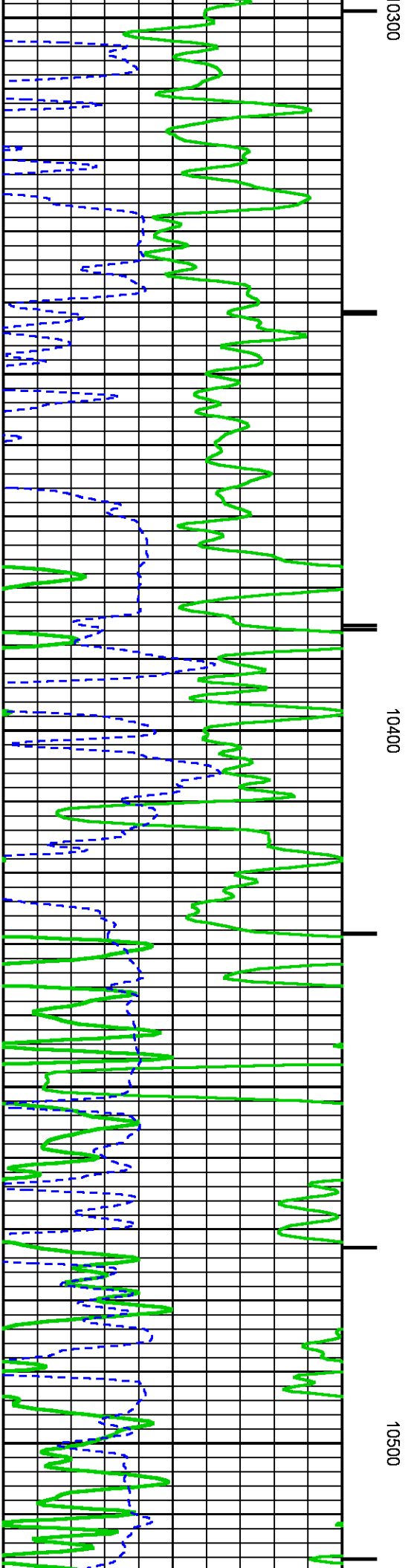
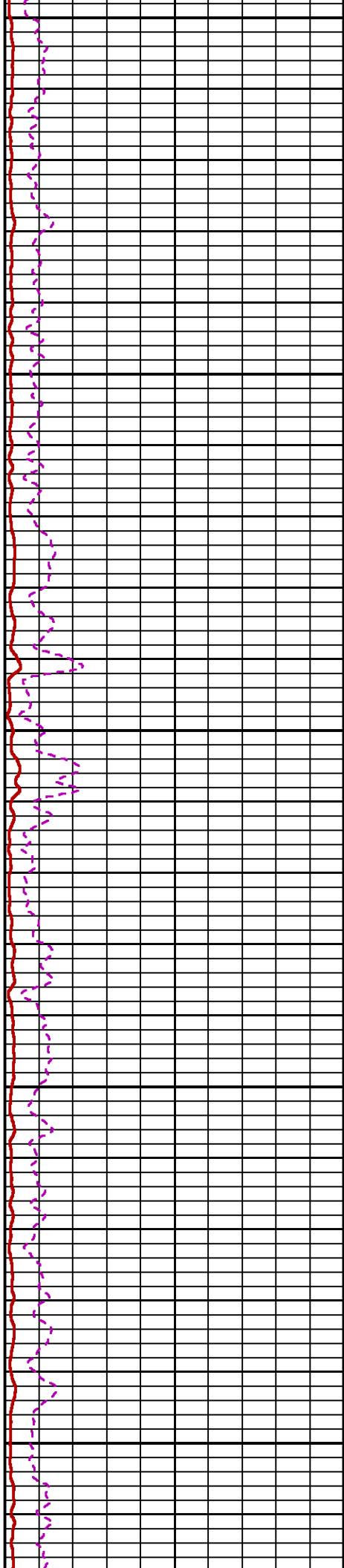
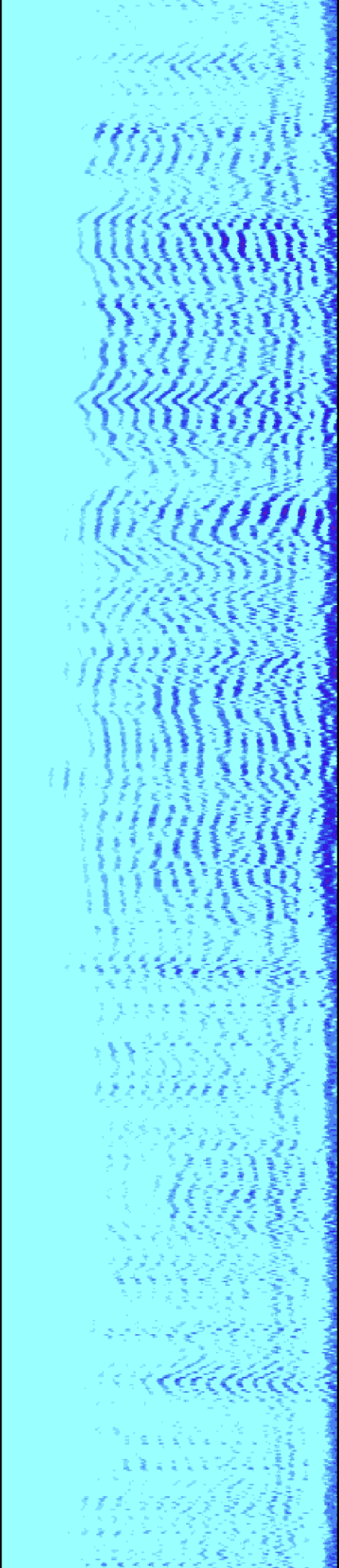


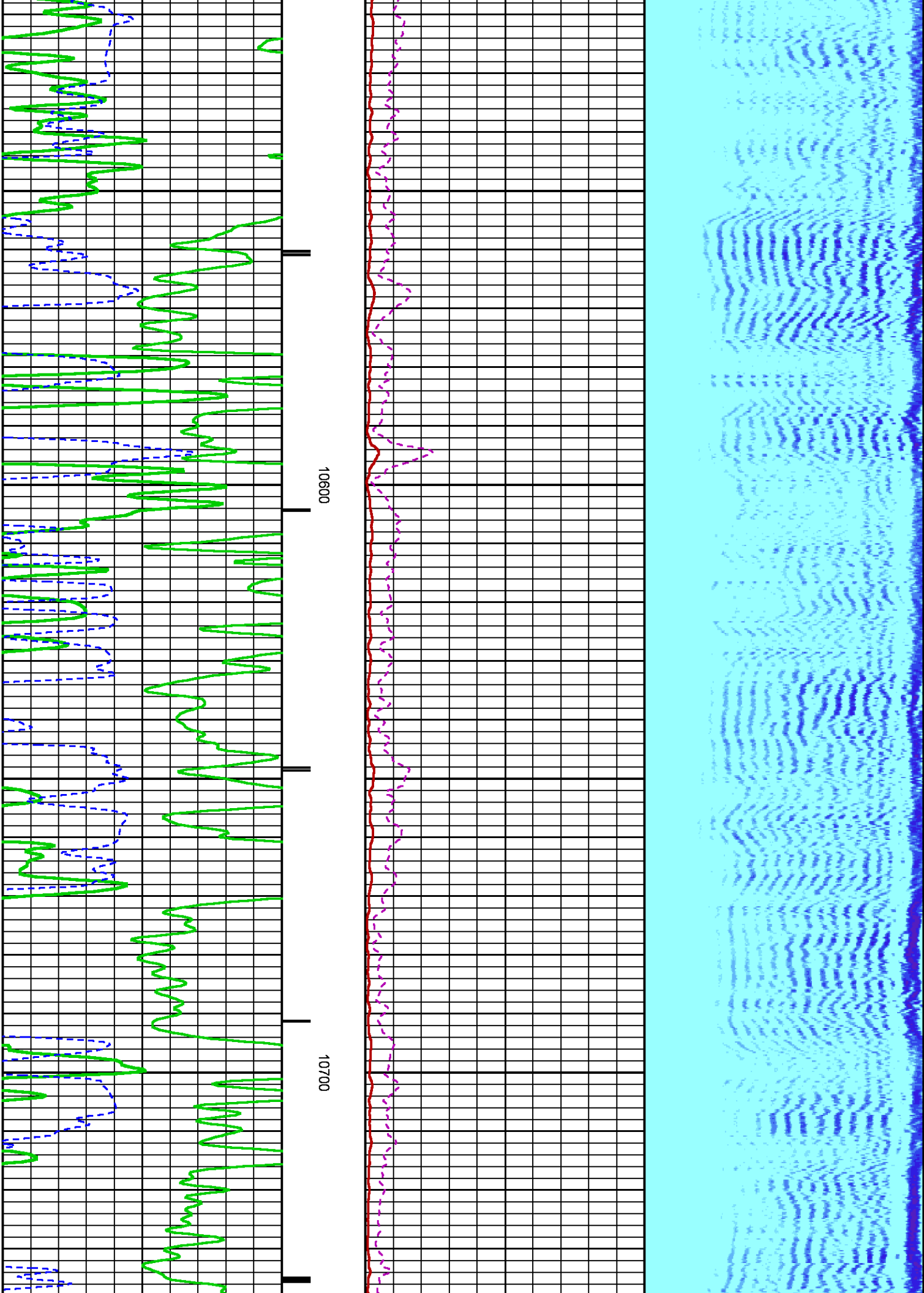


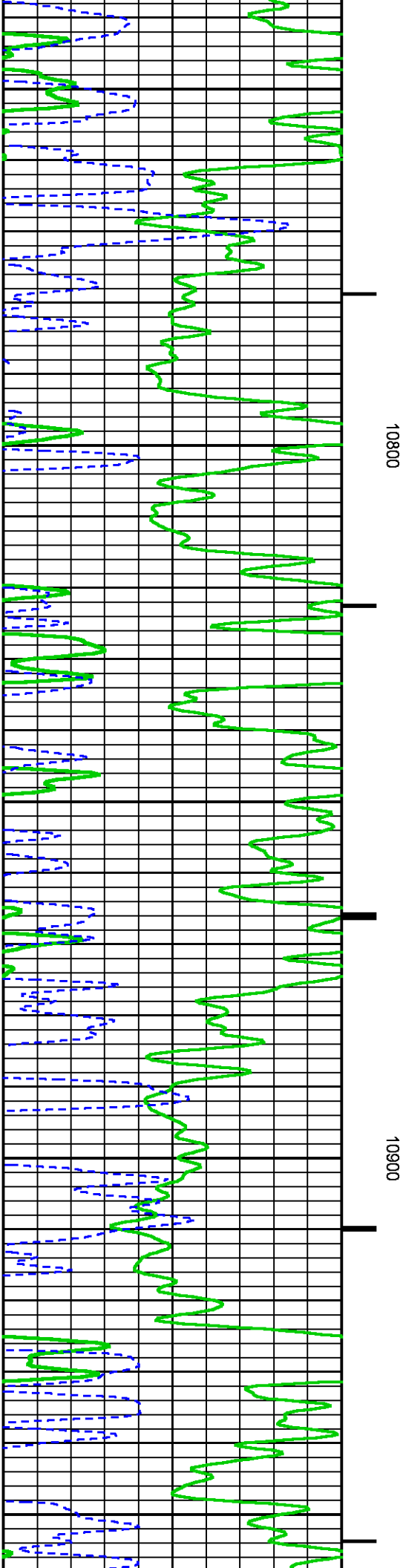
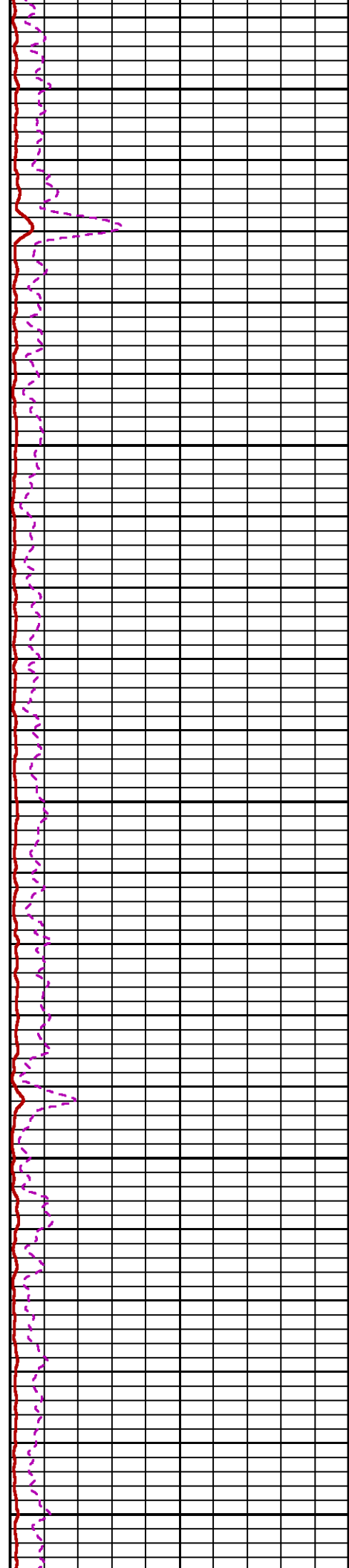
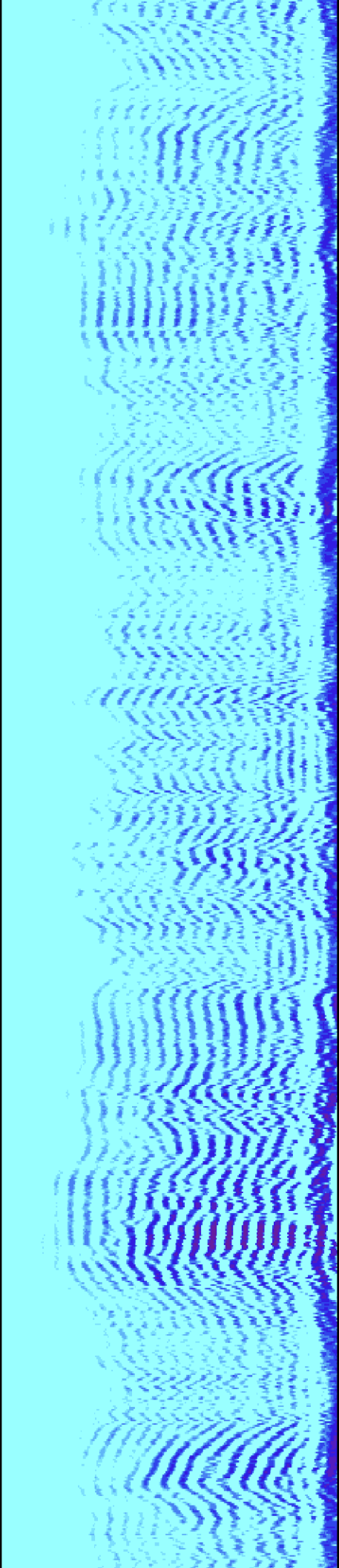


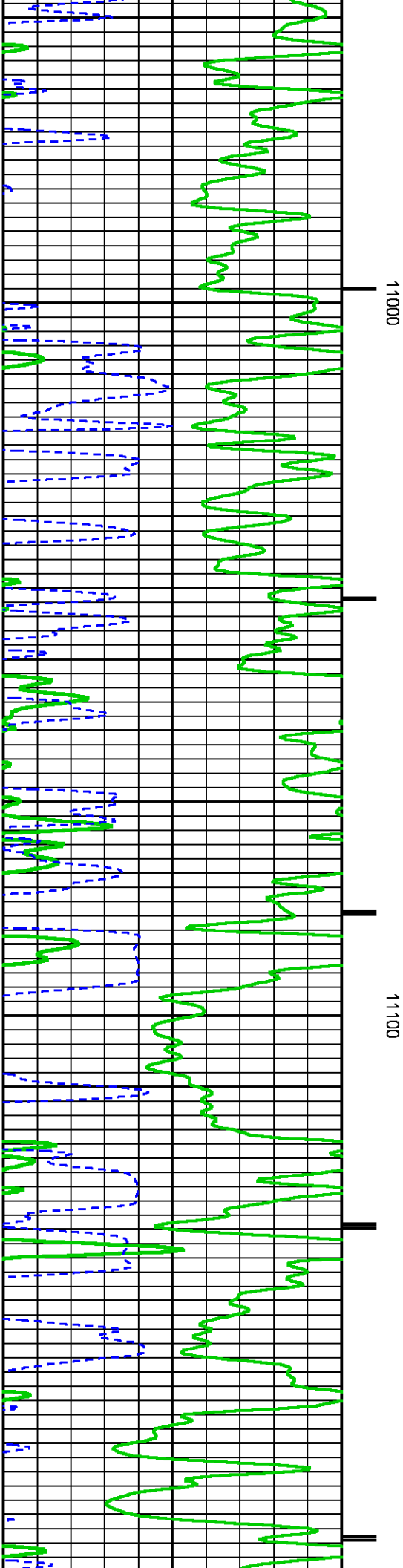
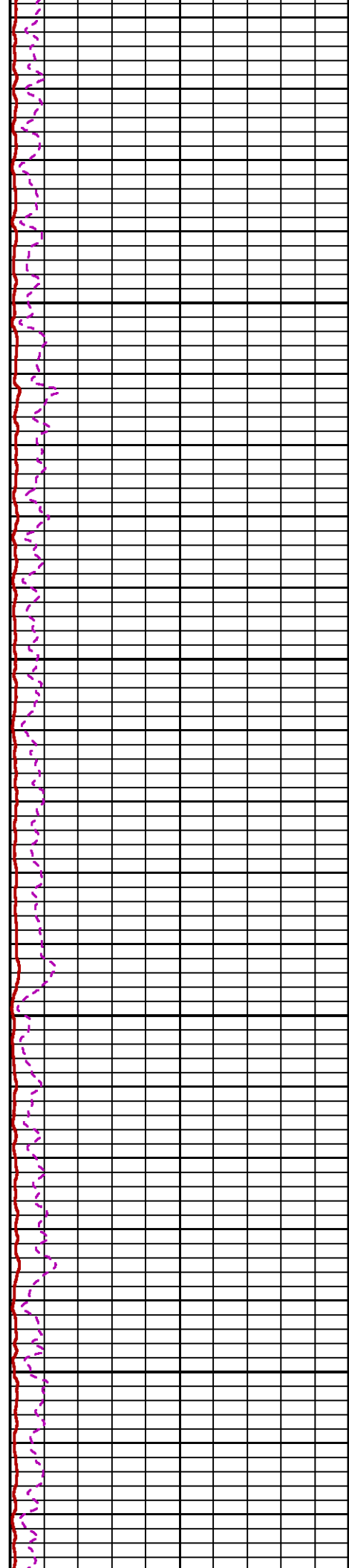
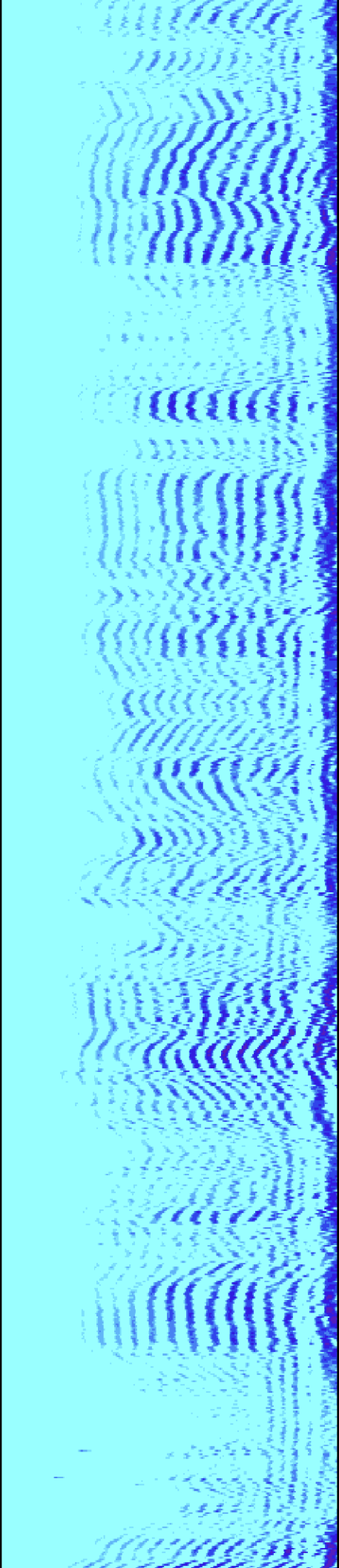


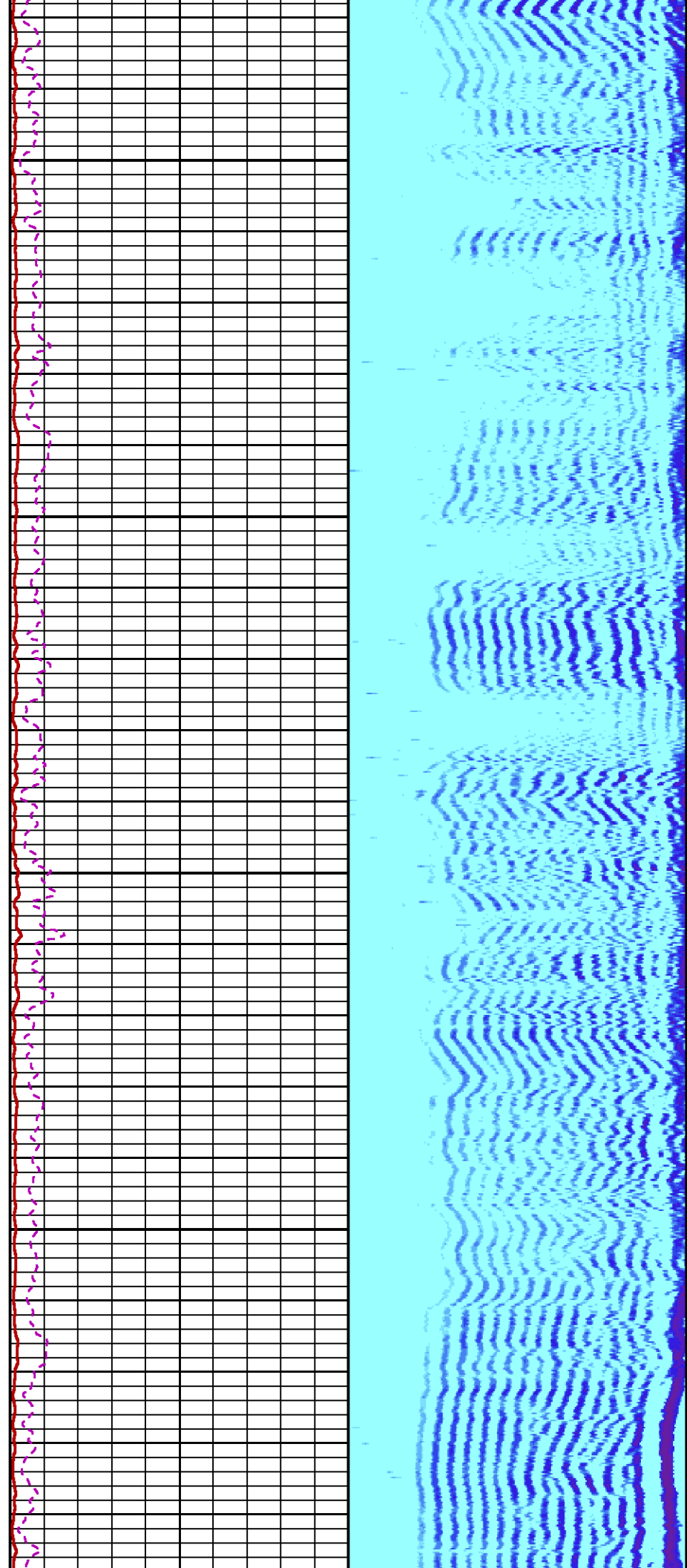








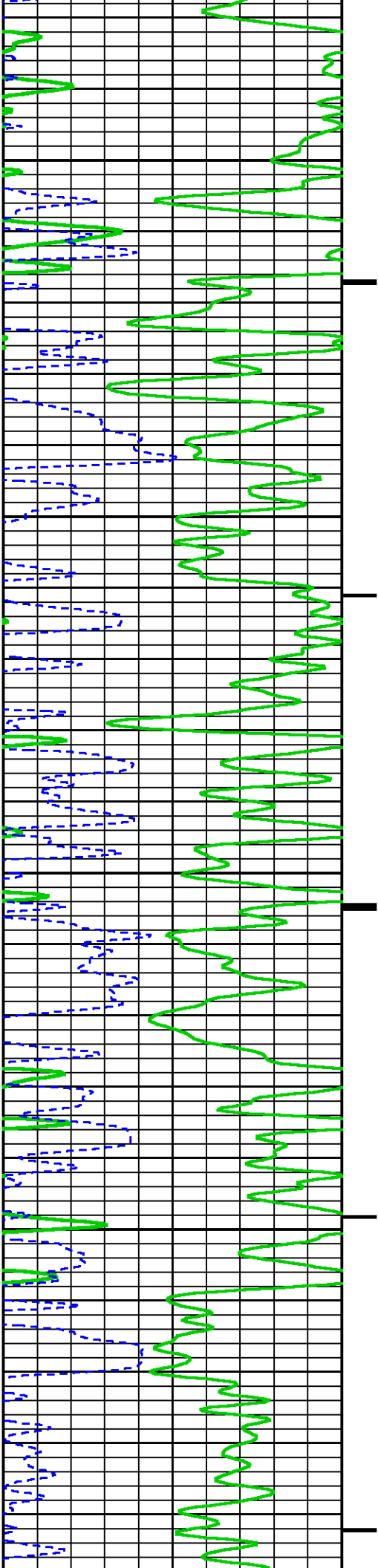


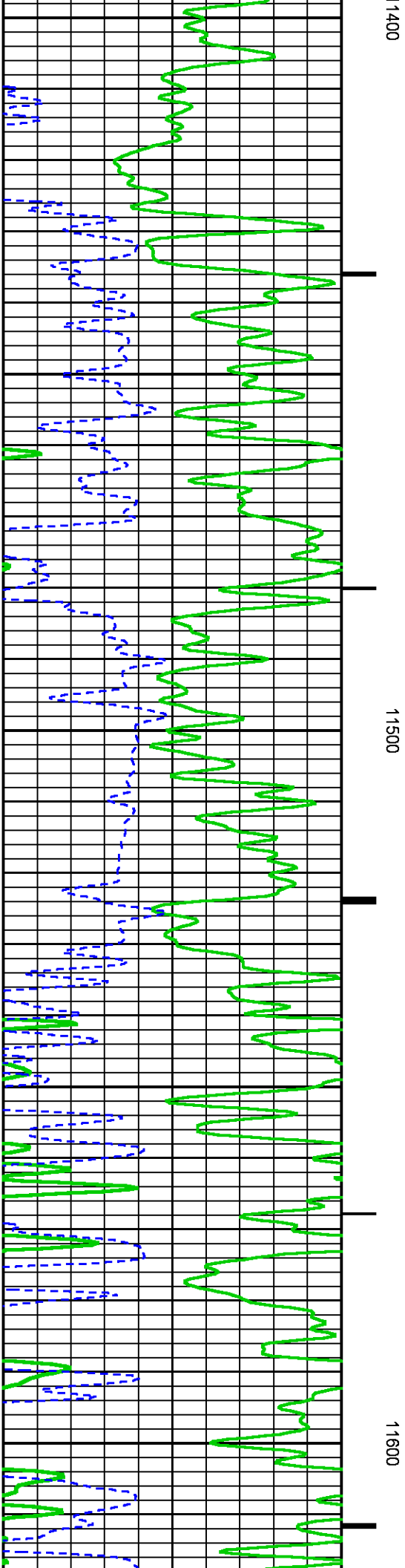
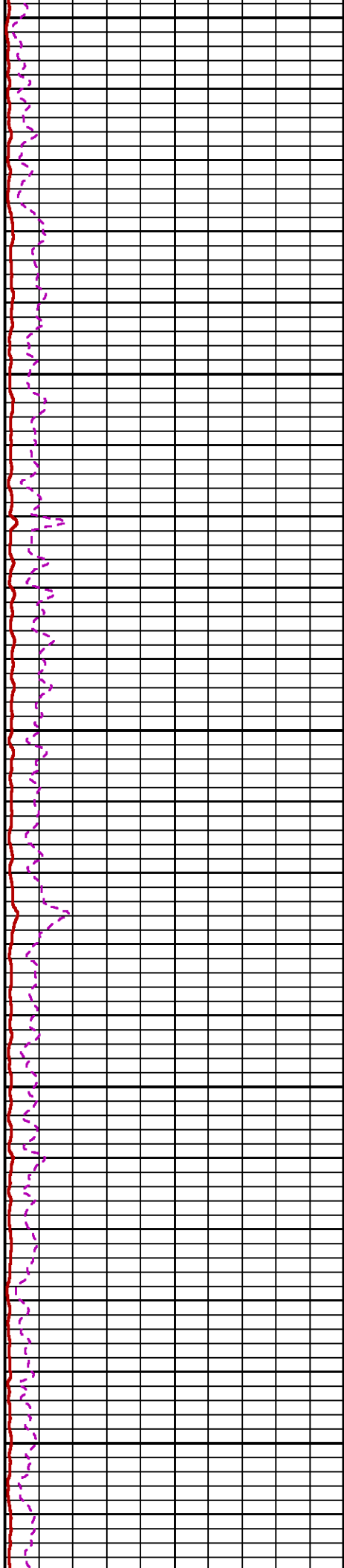
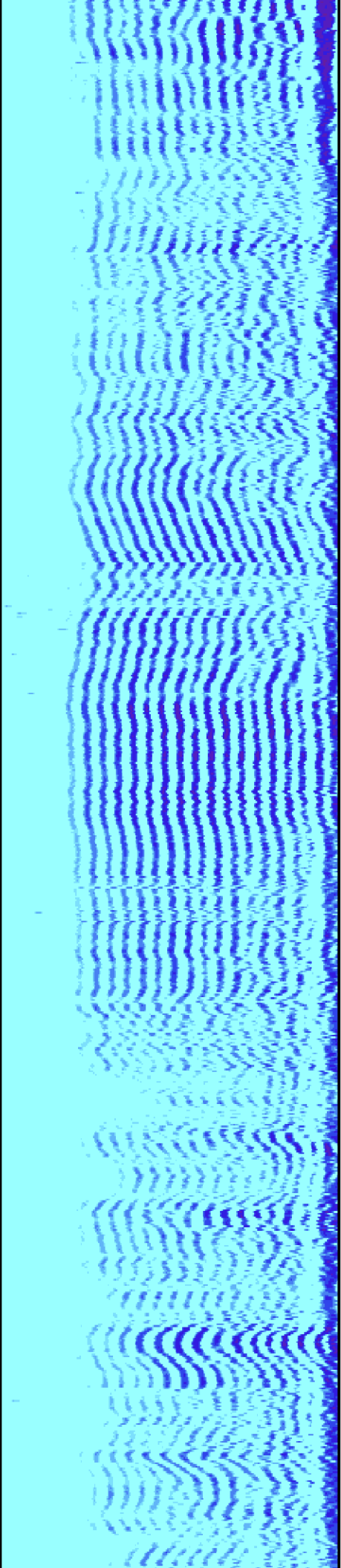


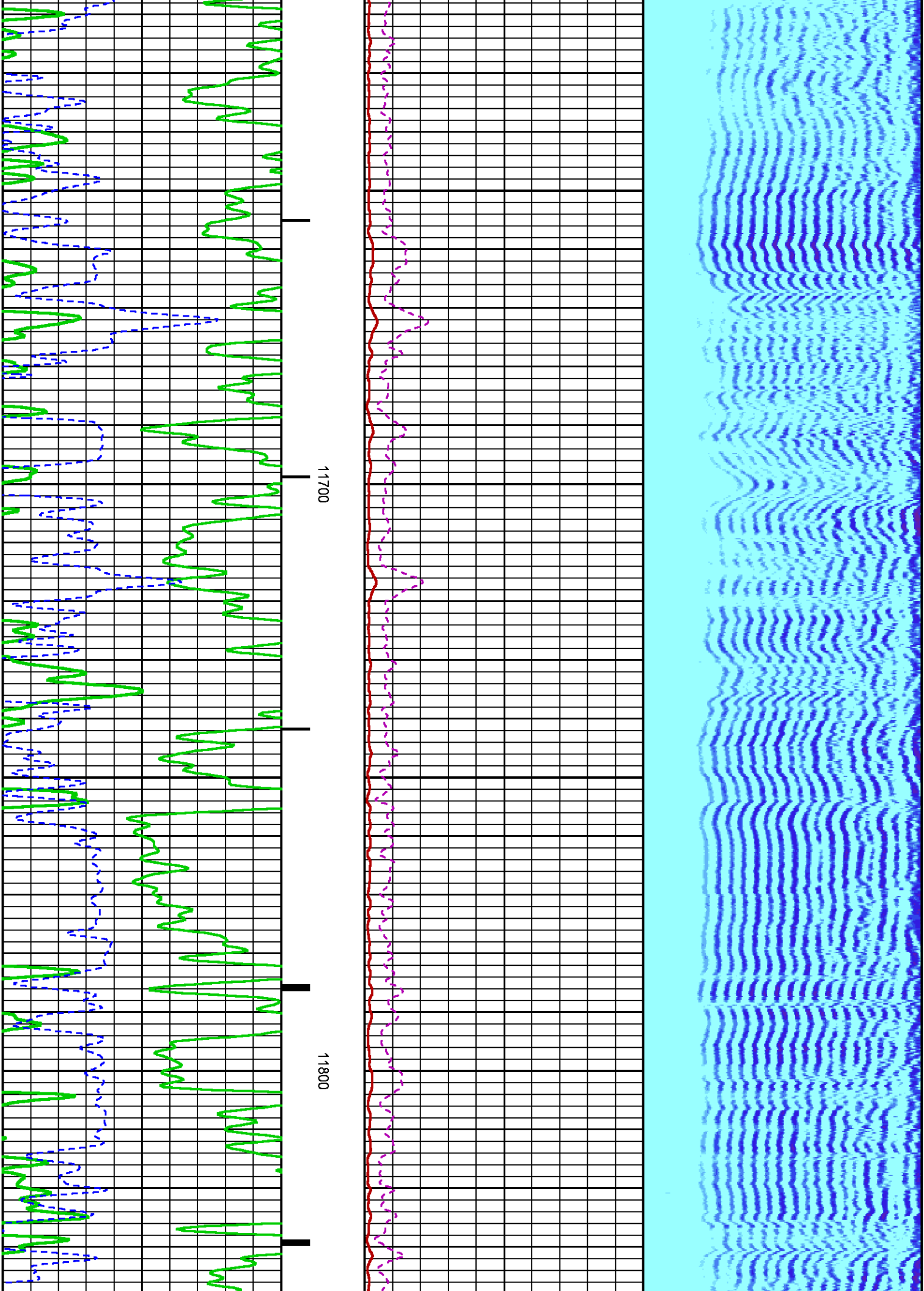
11200

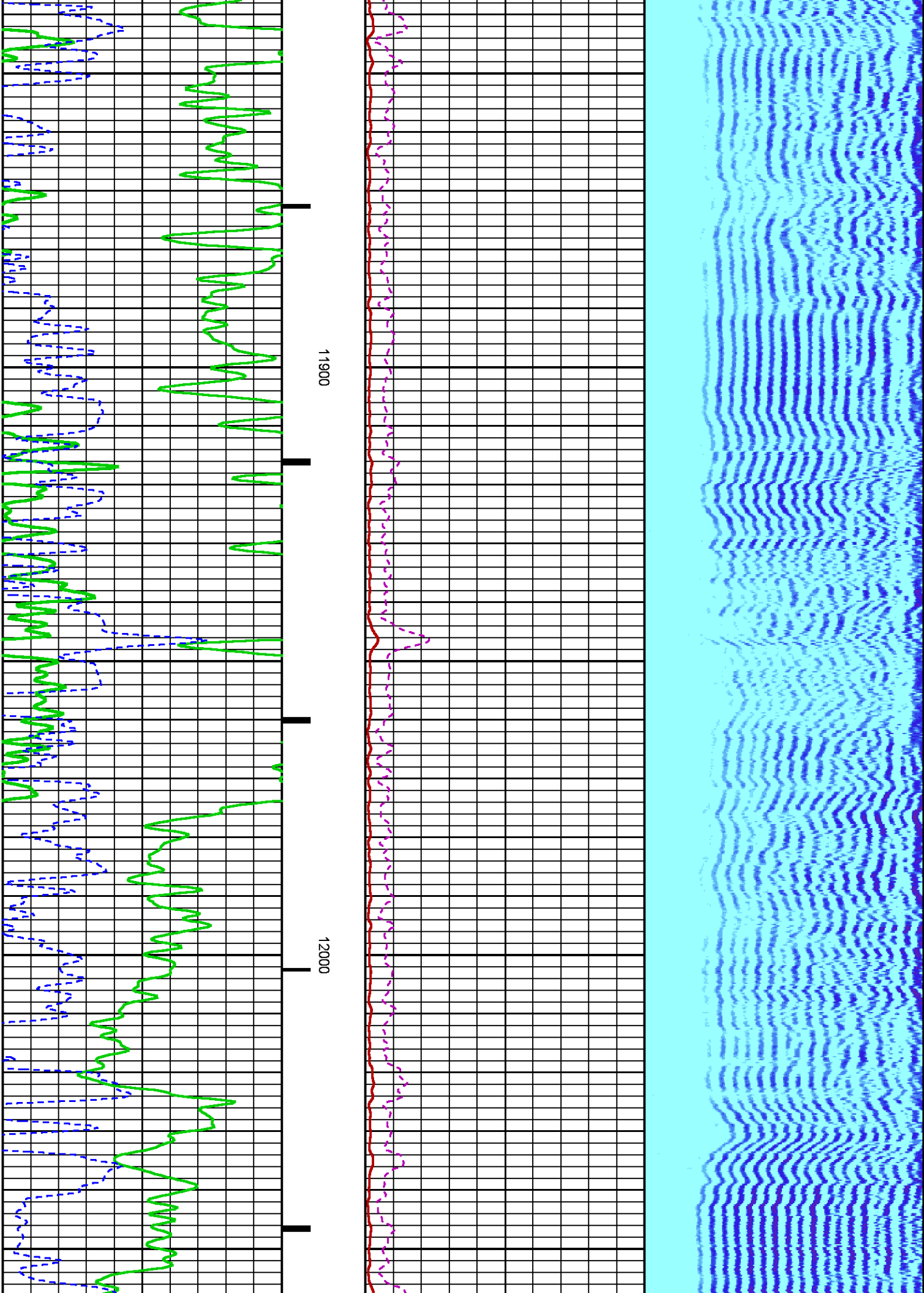
11300

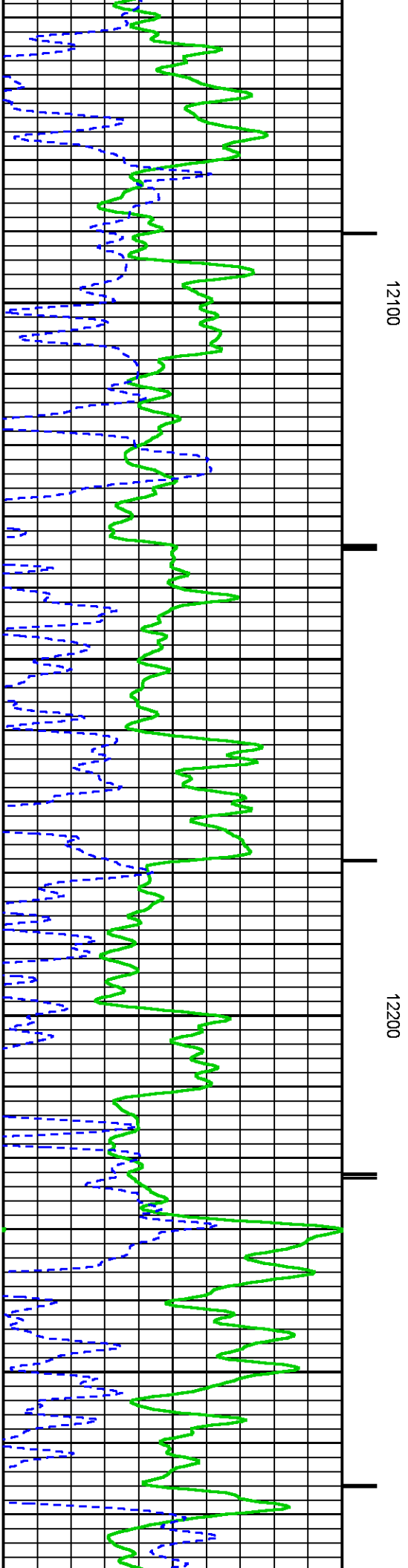
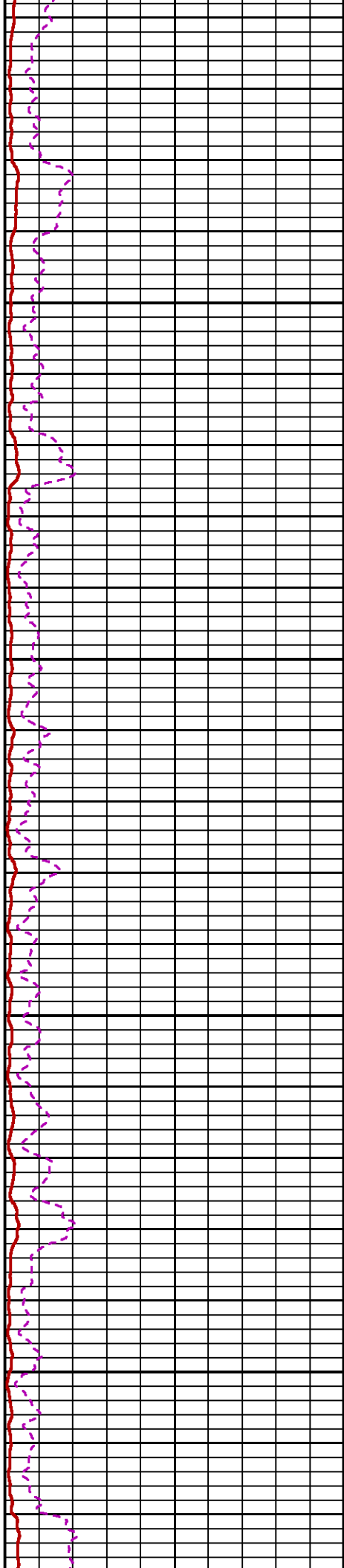
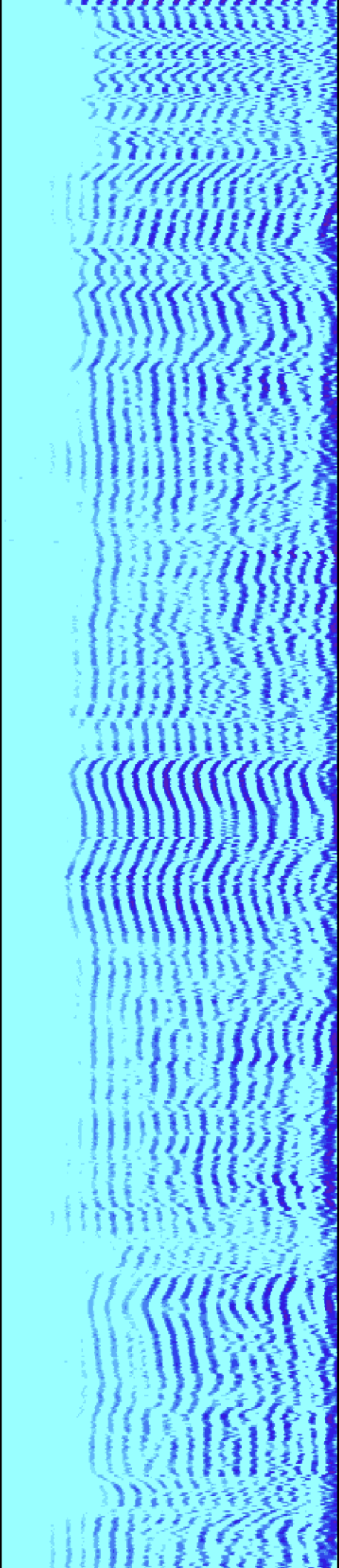
1

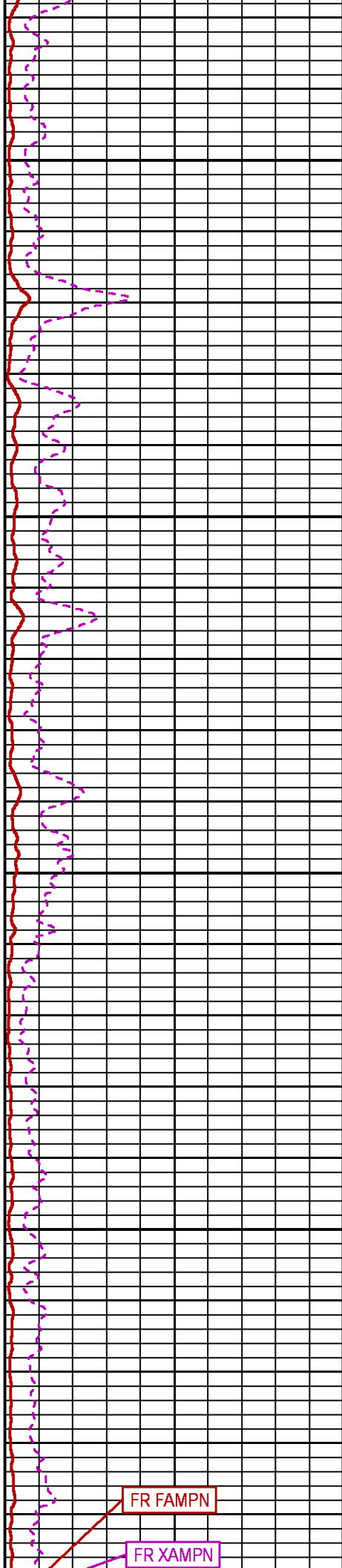
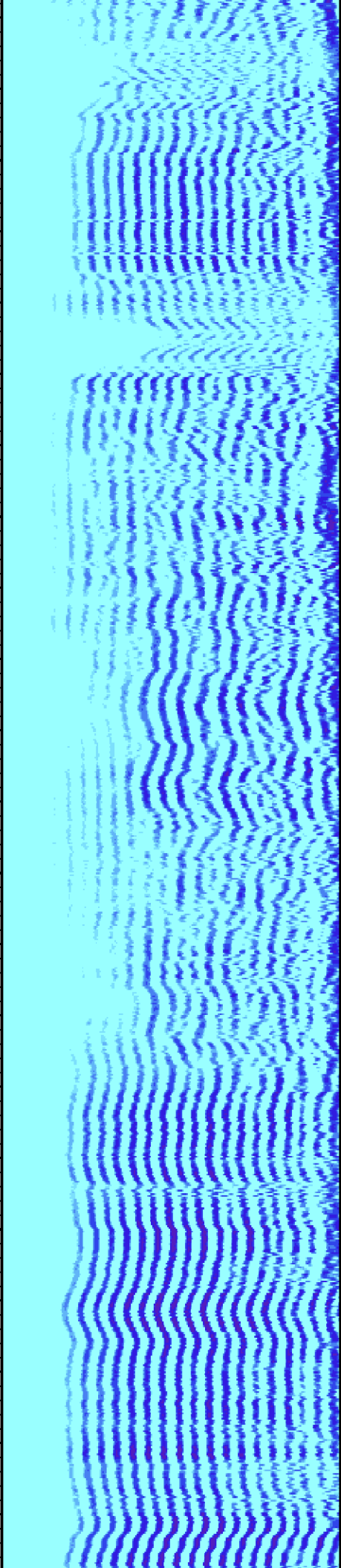












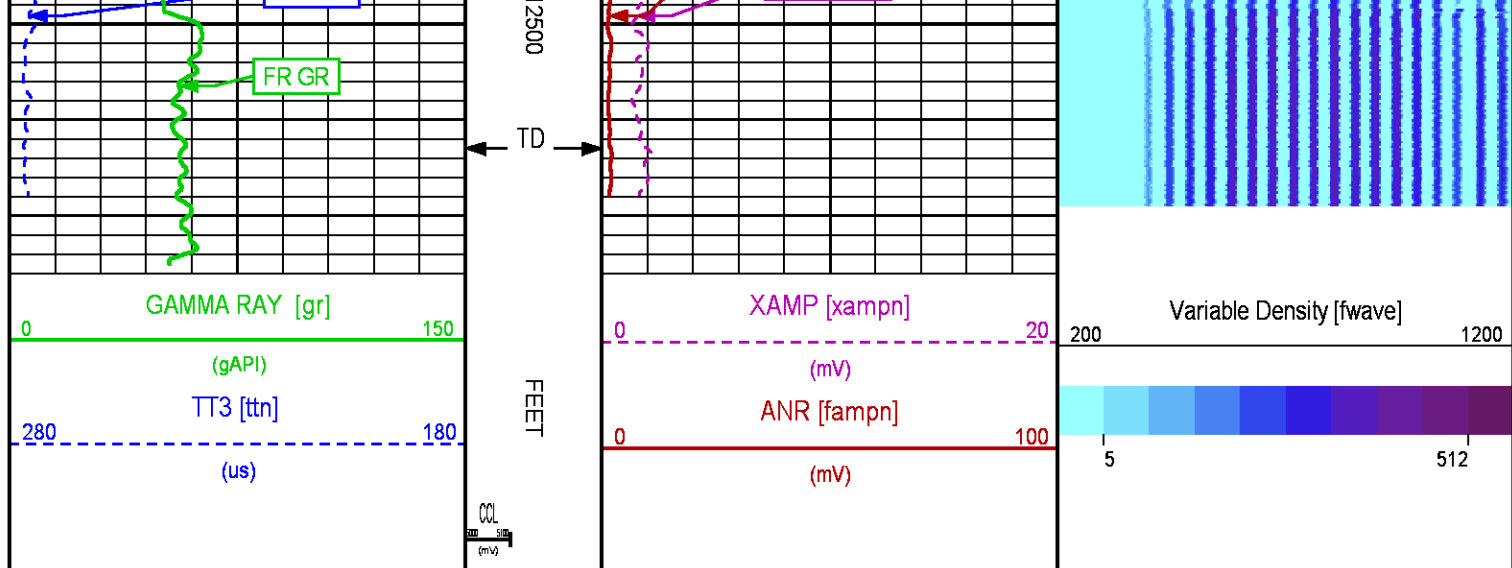
FR FAMPN

FR XAMPN

12300

12400

FR TTN



SECONDARY PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 7

Plotted: Fri May 29 13:23:52 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH096705/n012eR02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 24.250 ft BOTTOM DEPTH: 12532.750 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*)	178	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAI TOOL DELAY	TOOL DELAY (str1*)	-71	us	"	"

	TOOL DELAY (str2*)	-71	us	"	"
	TOOL DELAY (str3*)	-71	us	"	"
	TOOL DELAY (str4*)	-71	us	"	"
	TOOL DELAY (str5*)	-71	us	"	"
	TOOL DELAY (str6*)	-71	us	"	"
	TOOL DELAY (str7*)	-71	us	"	"
	TOOL DELAY (str8*)	-71	us	"	"
	TOOL DELAY (strn*)	-71	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

PERCENT BOND CEMENT MAP

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE AMP REC 8	80	mV	"	"
RAL FULL BOND AMPLITUDE	FULL BOND AMP REC 1	2	mV	"	"
	FULL BOND AMP REC 2	2	mV	"	"
	FULL BOND AMP REC 3	2	mV	"	"
	FULL BOND AMP REC 4	2	mV	"	"
	FULL BOND AMP REC 5	2	mV	"	"
	FULL BOND AMP REC 6	2	mV	"	"
	FULL BOND AMP REC 7	2	mV	"	"
	FULL BOND AMP REC 8	2	mV	"	"

CURVE DESCRIPTION REPORT

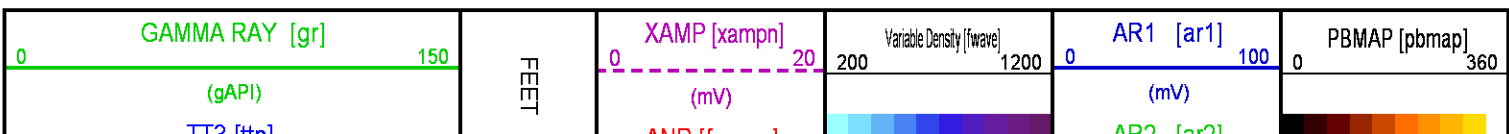
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	May 29 12:54:38 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	May 29 12:54:38 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	May 29 12:54:38 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	May 29 12:54:38 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	May 29 12:54:38 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	May 29 12:54:38 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	May 29 12:54:38 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	May 29 12:54:38 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	May 29 12:54:38 2015	CASING COLLAR LOCATOR
F1:FAMPN	May 29 12:54:38 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	May 29 12:54:38 2015	FAR WAVE FORM
F1:GR	May 29 12:54:38 2015	GAMMA RAY
F1:PBMAP	May 29 12:54:38 2015	PERCENT BOND CEMENT MAP
F1:TTN	May 29 12:54:38 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	May 29 12:54:38 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

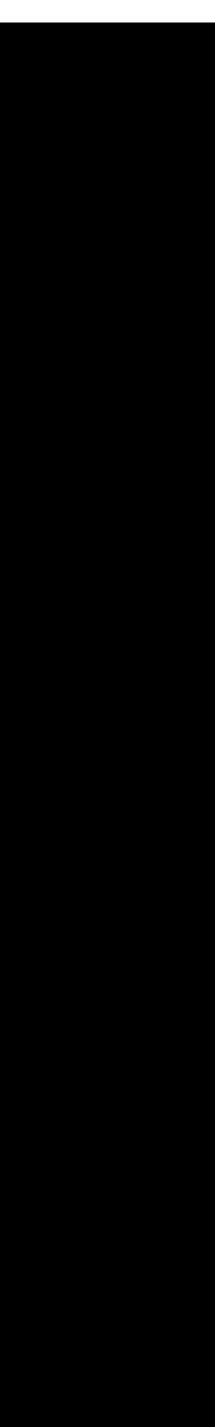
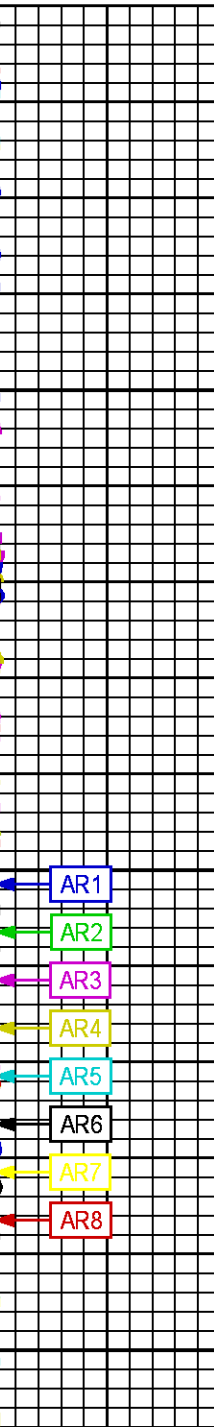
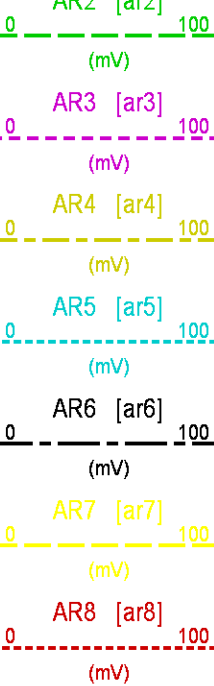
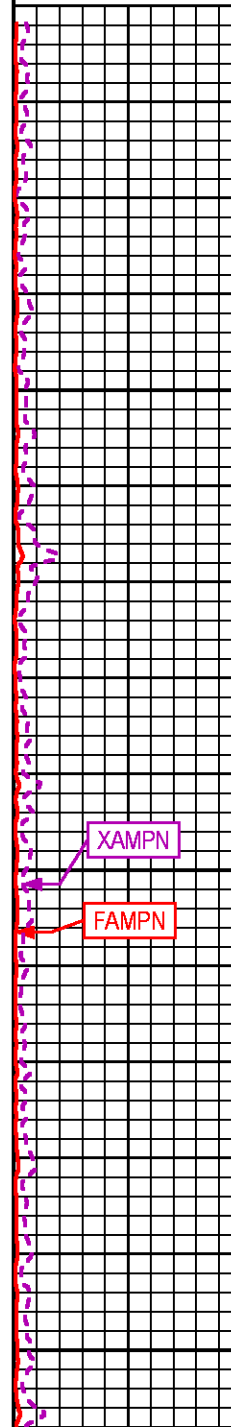
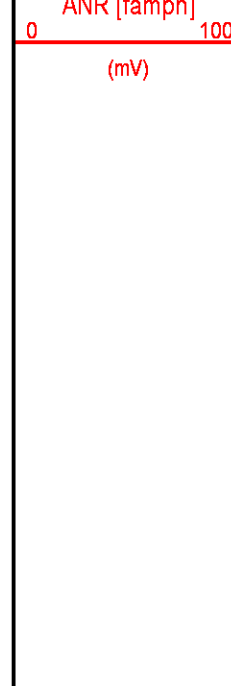
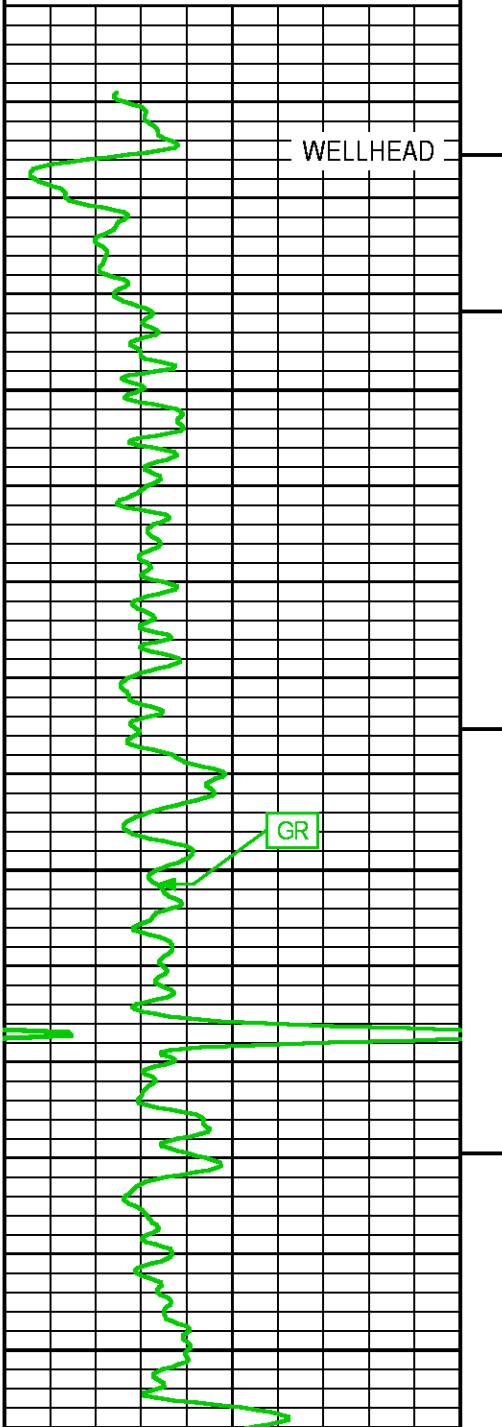
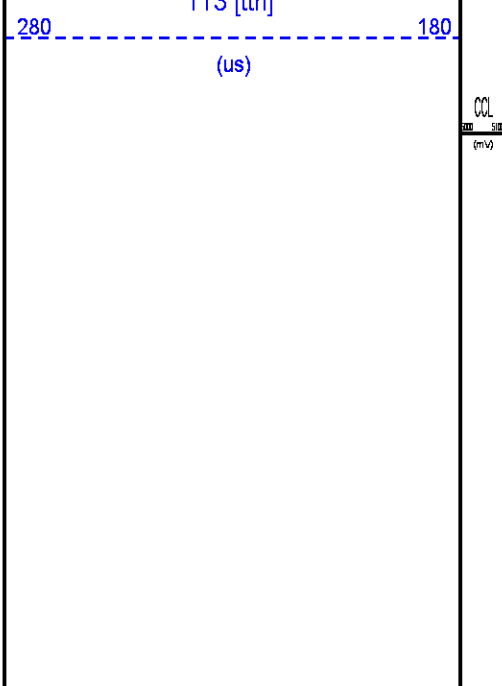
CURVE MEASURE POINT OFFSET

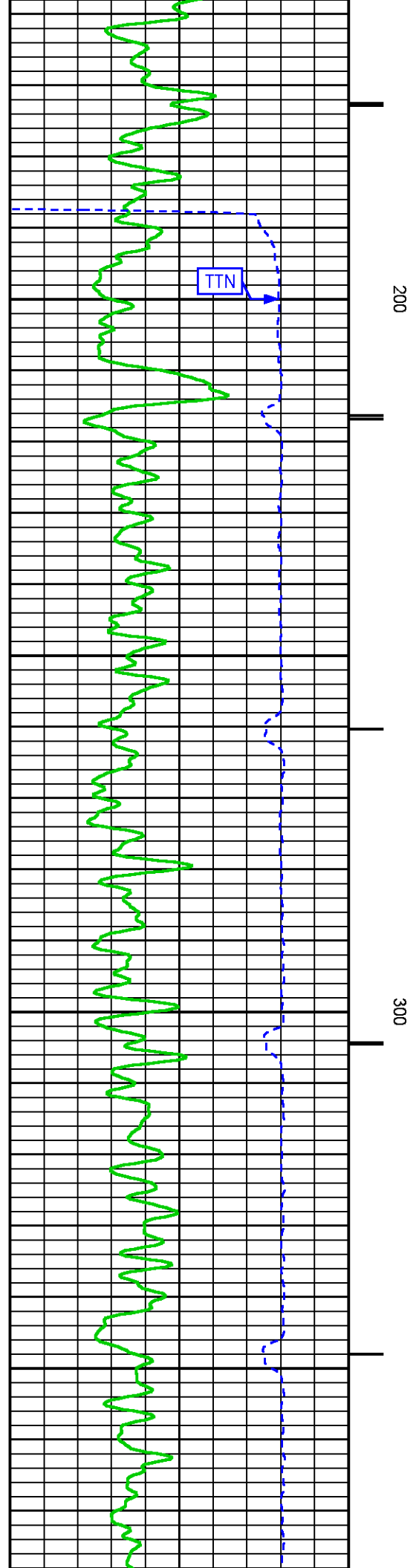
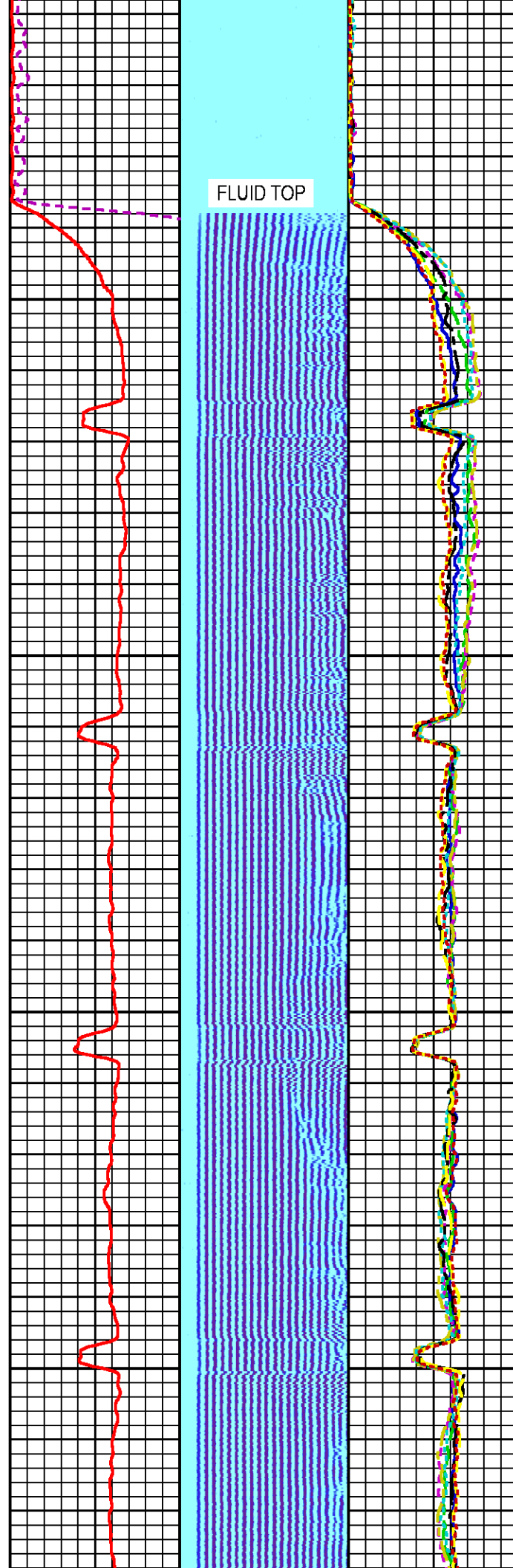
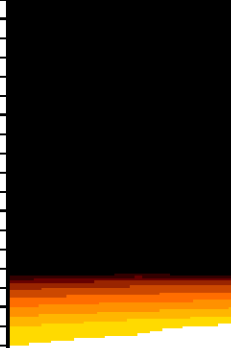
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	13.75	AR5	13.75	CCL	8.50	XAMPN	13.75
AR2	13.75	AR6	13.75	FAMPN	13.75		
AR3	13.75	AR7	13.75	GR	6.50		
AR4	13.75	AR8	13.75	TTN	13.75		

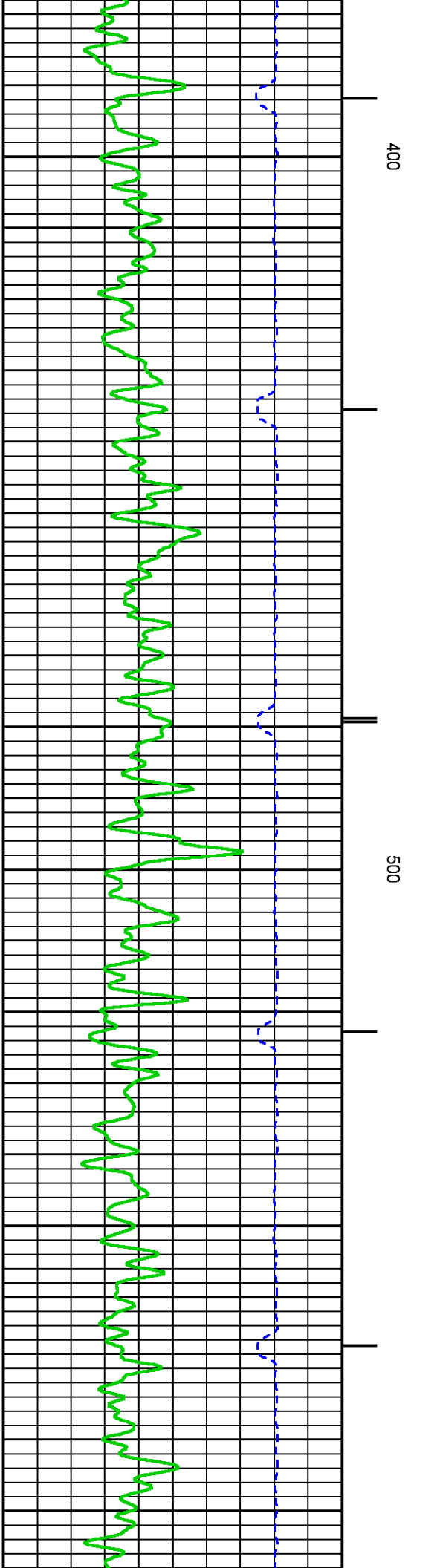
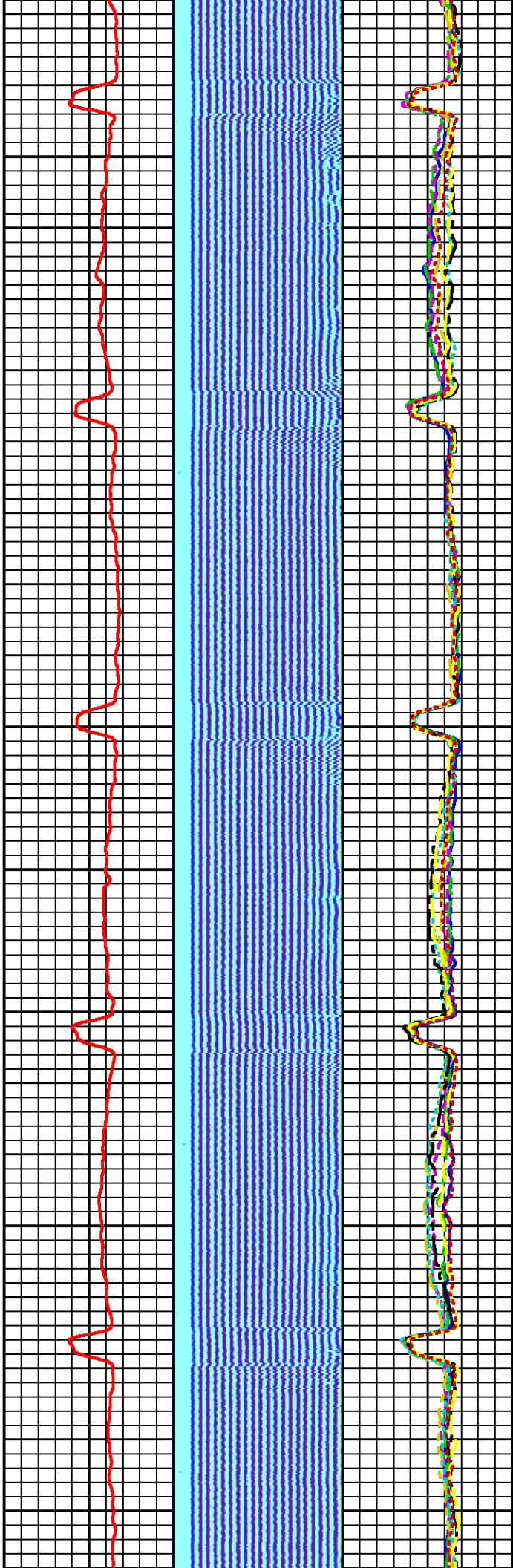
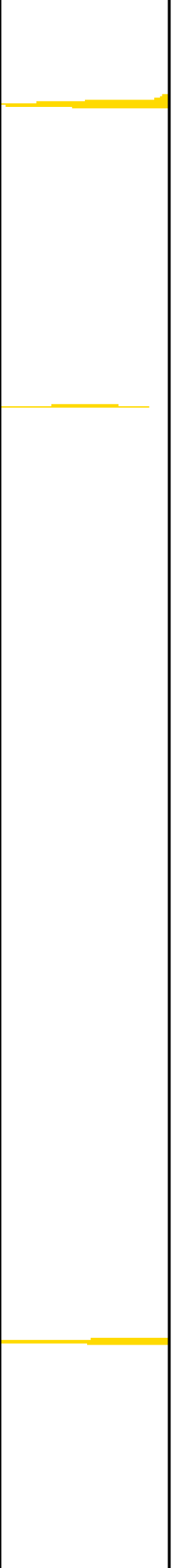
Presentation : cas6685:/dat1a/CH096705/CBLMAIN.fvpdf [5"/100' Scale]
Plot Interval : 11.5 - 12531.5 Feet

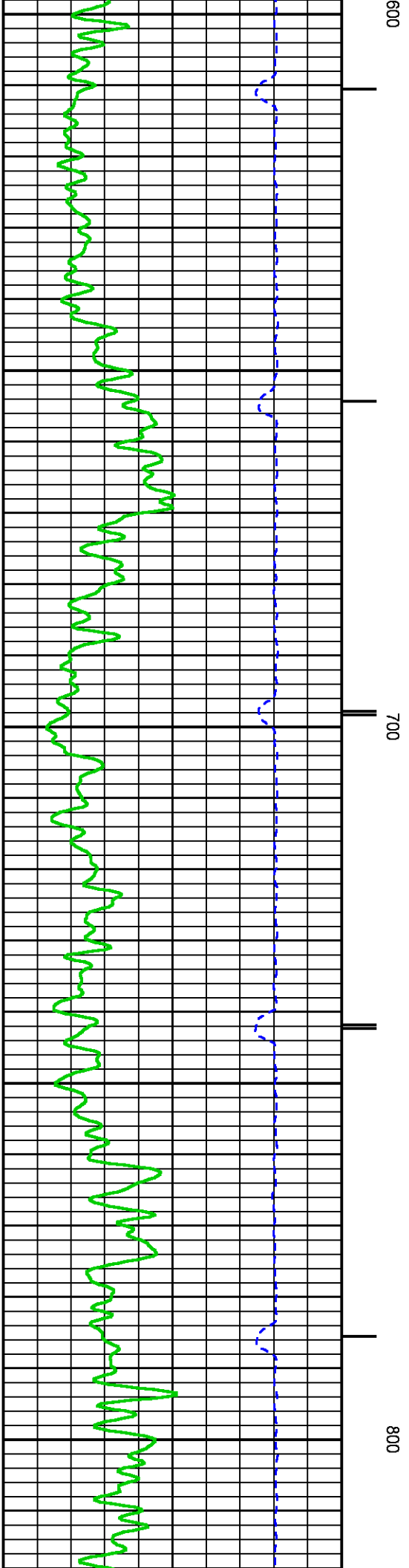
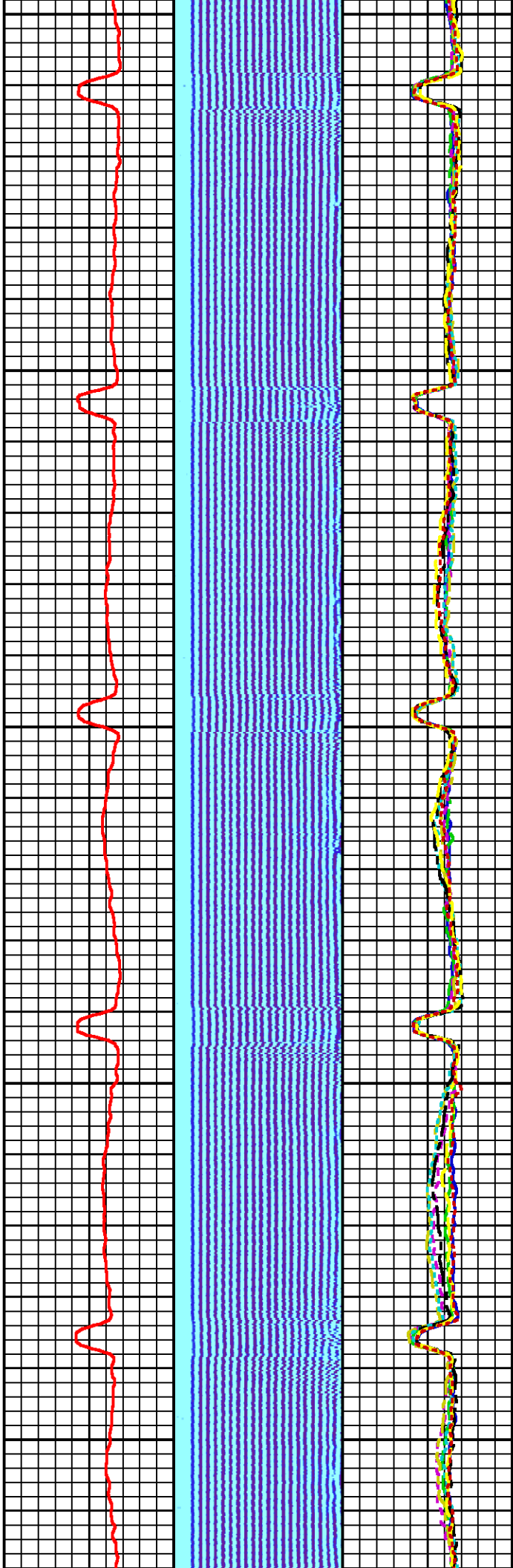
Data File 1 : F1 : cas6685:/dat1a/CH096705/n012eR02_MAIN.xtf
Created On : May 29 12:54:38 2015
Company : WPX ENERGY
Well : FEDERAL RGU 443-26-198
Field : SULPHUR CREEK
File Interval : 10.5 - 12532.8 Feet
OCT : n012e

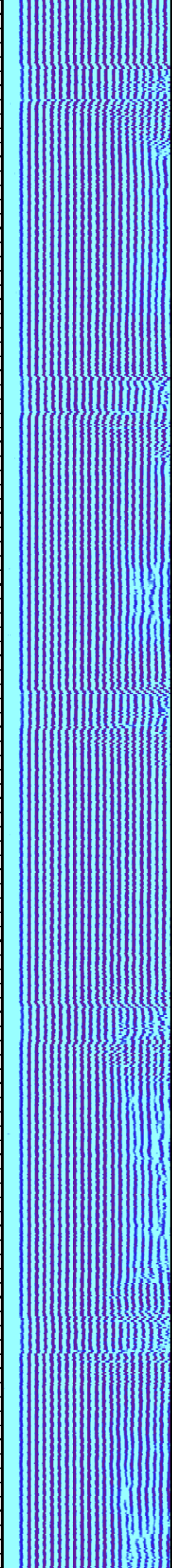






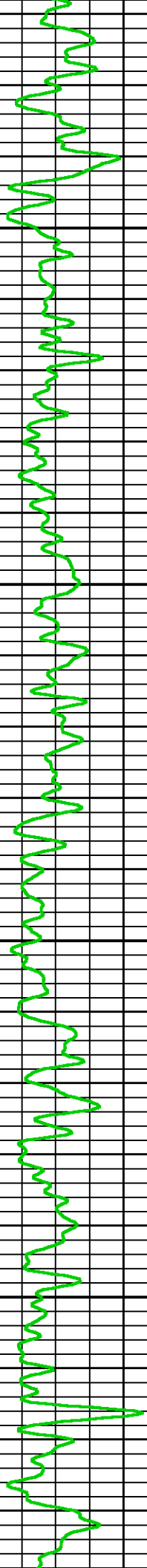


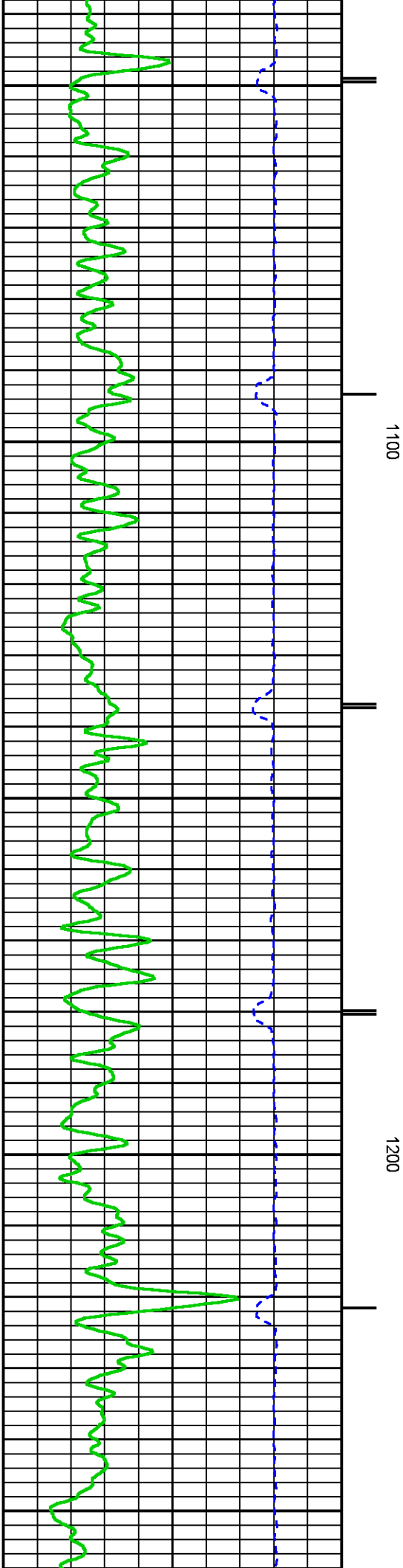
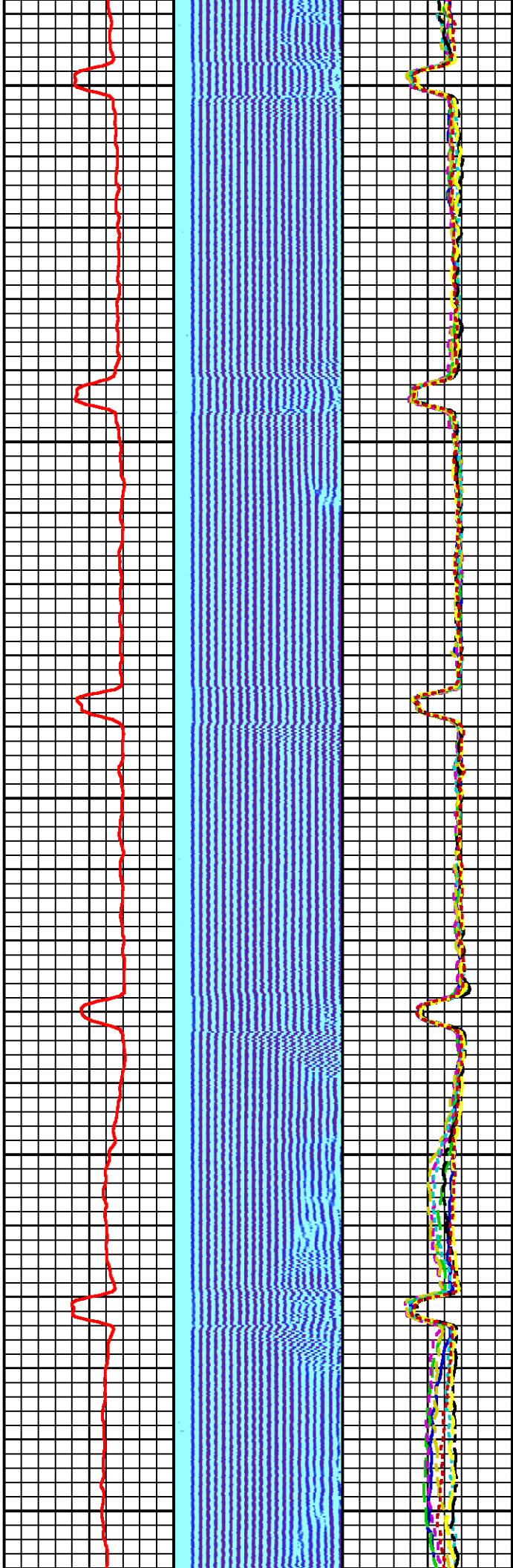


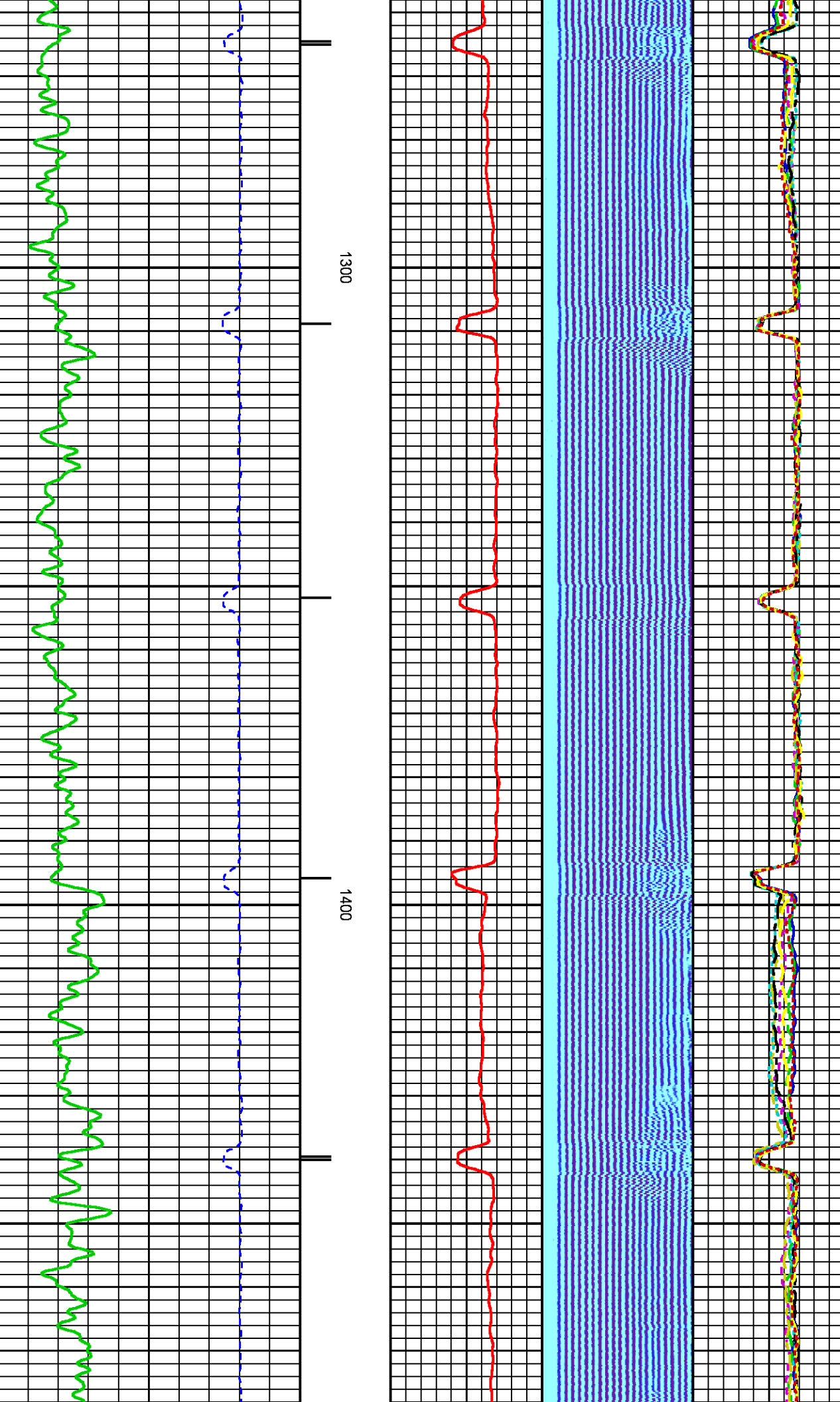


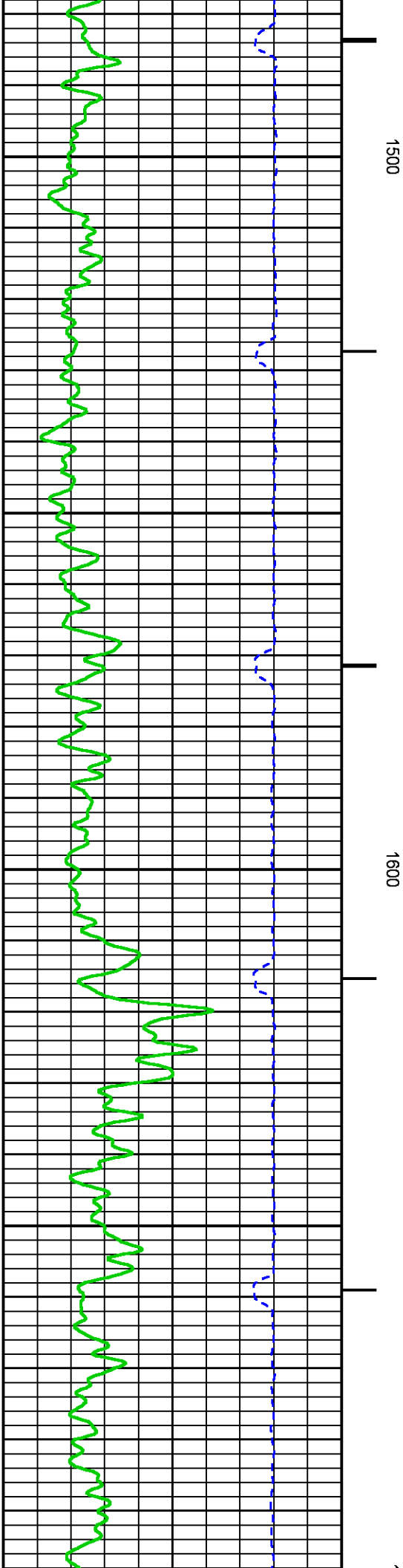
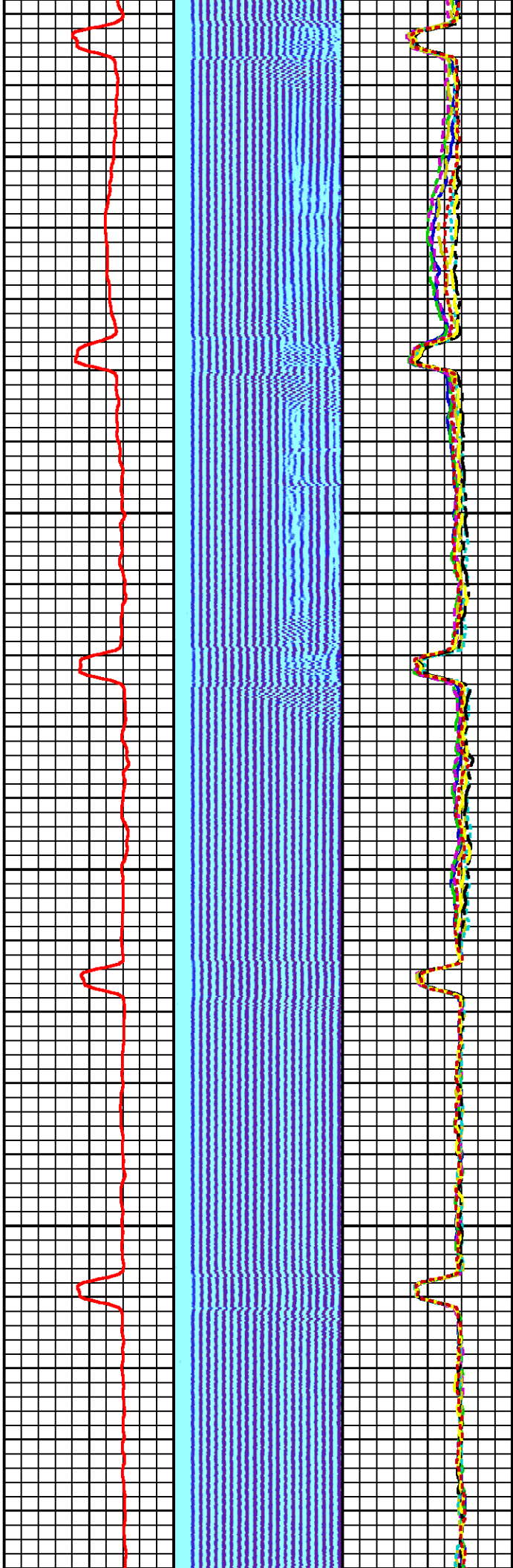
900

1000

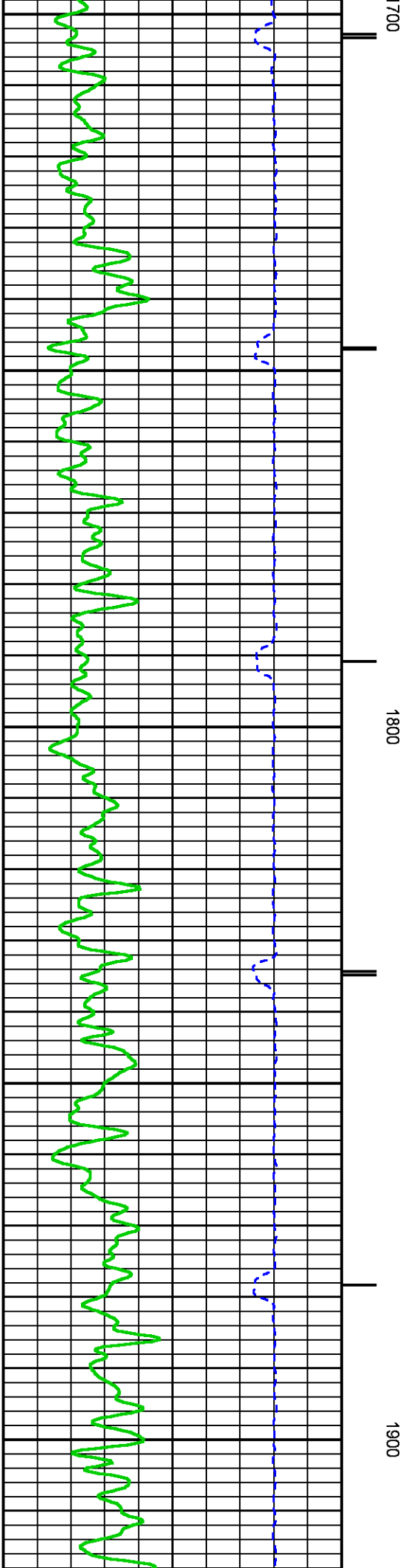
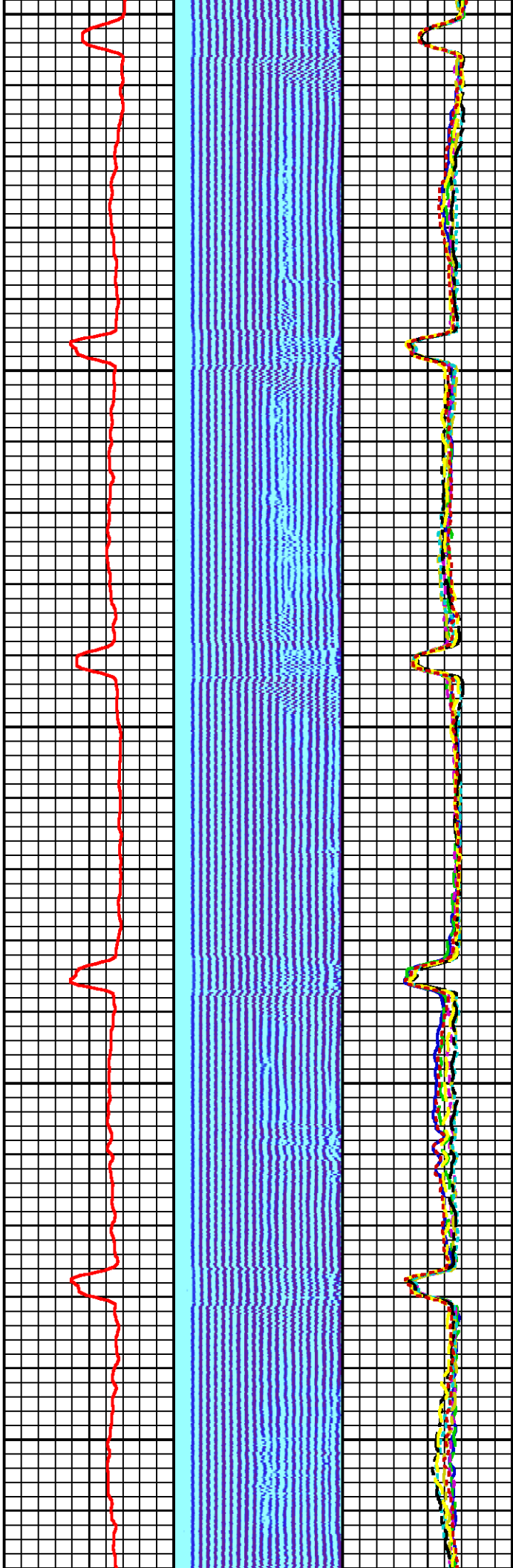


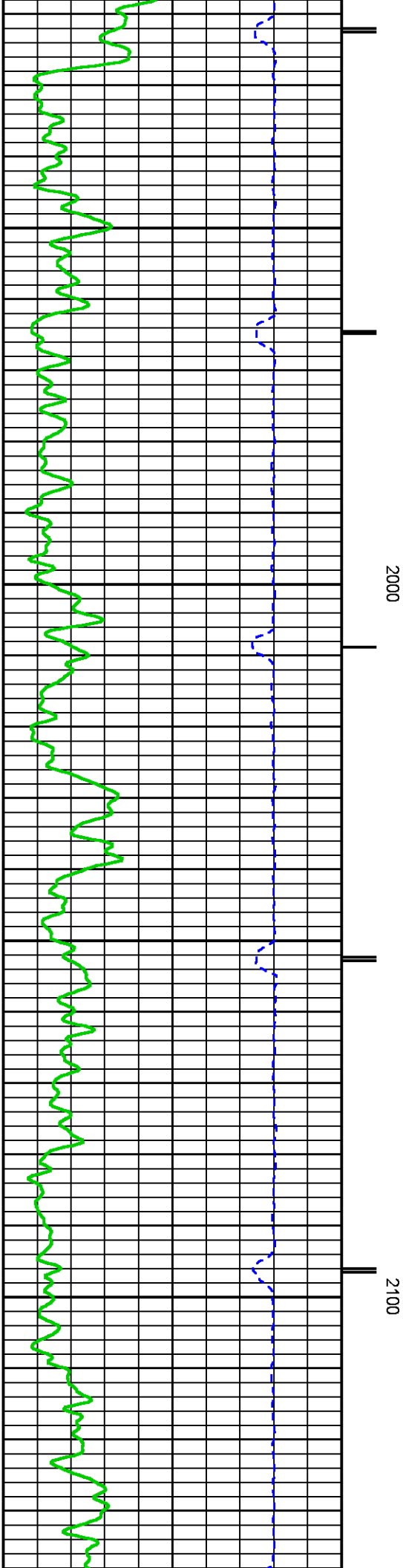
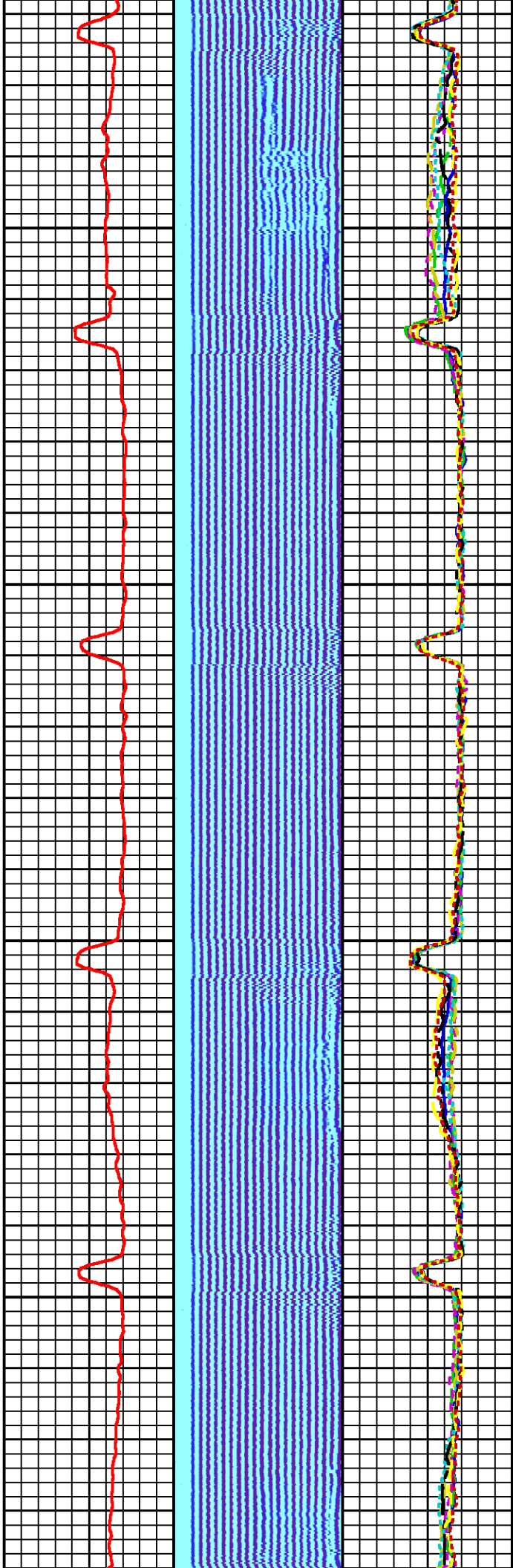


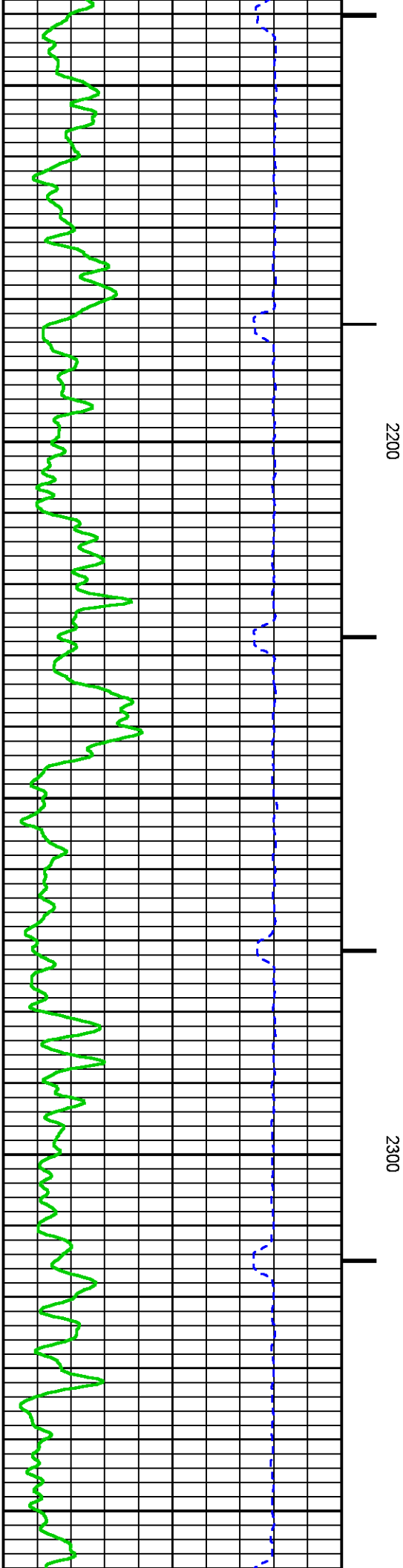
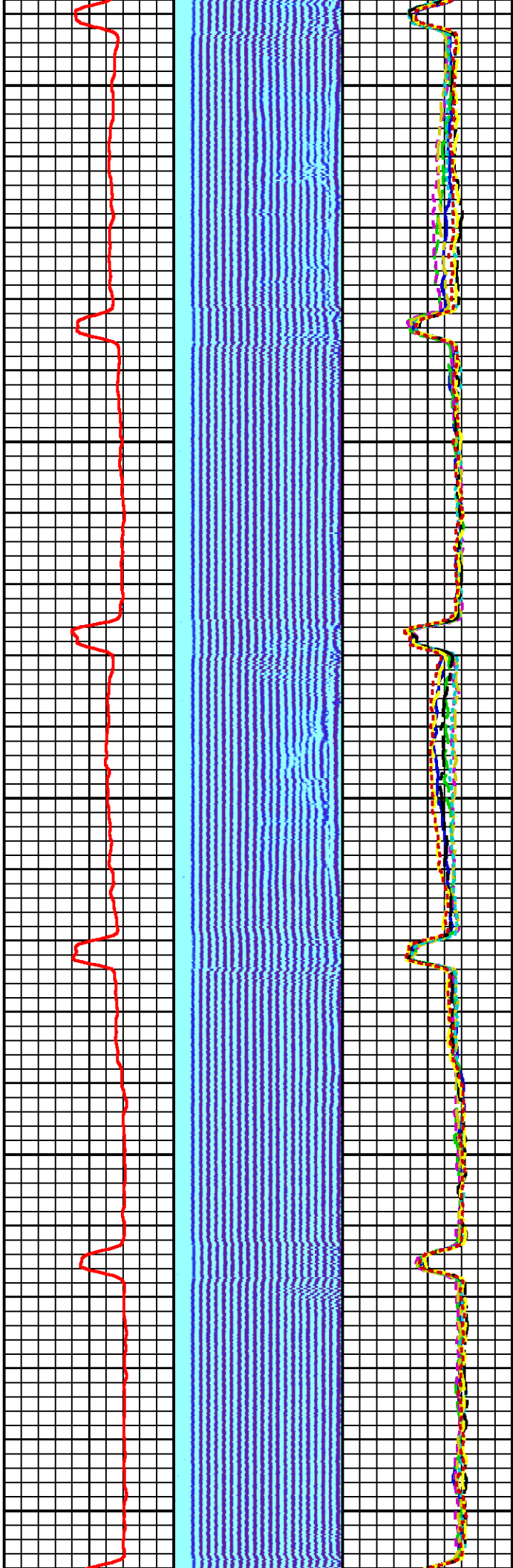


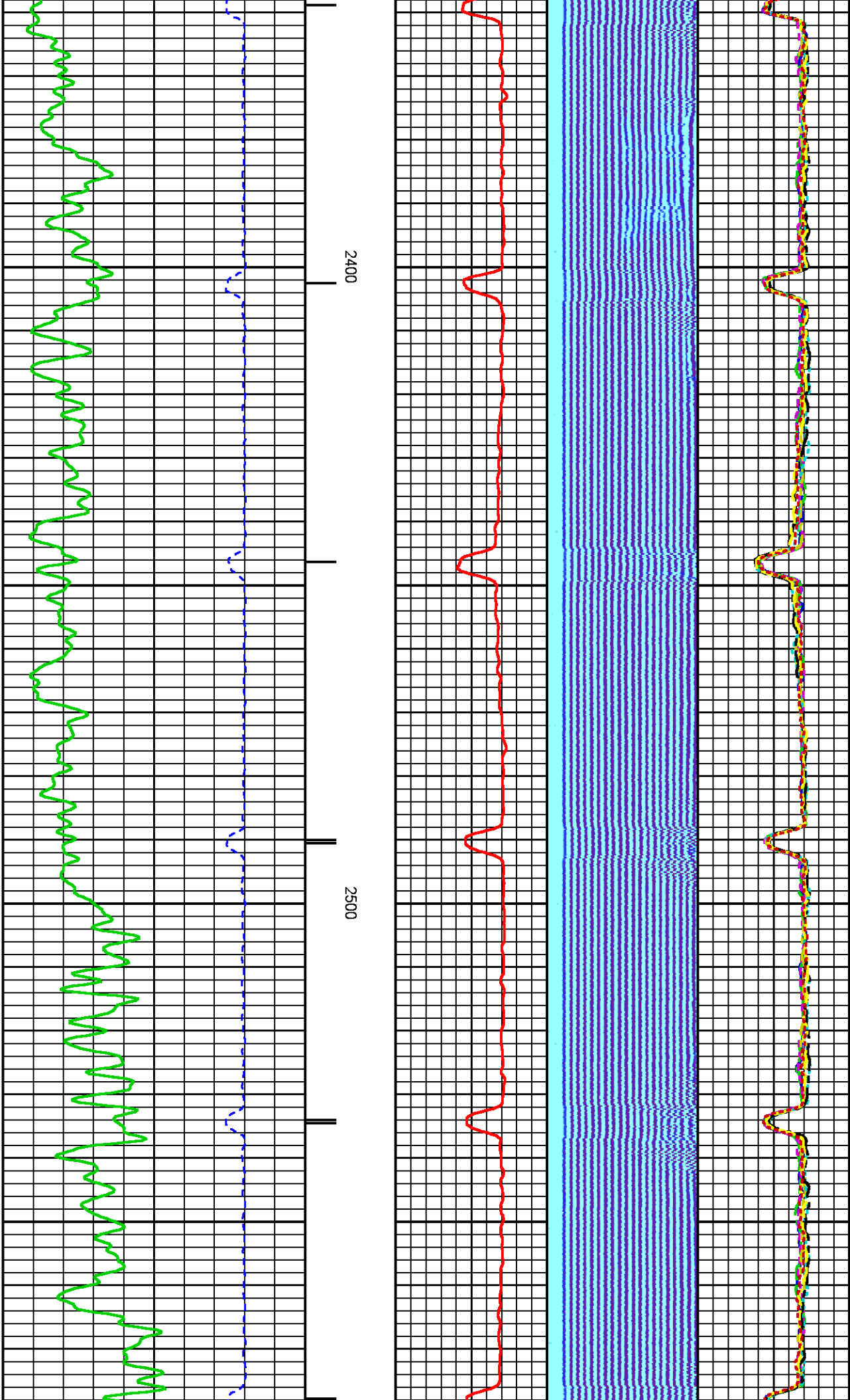


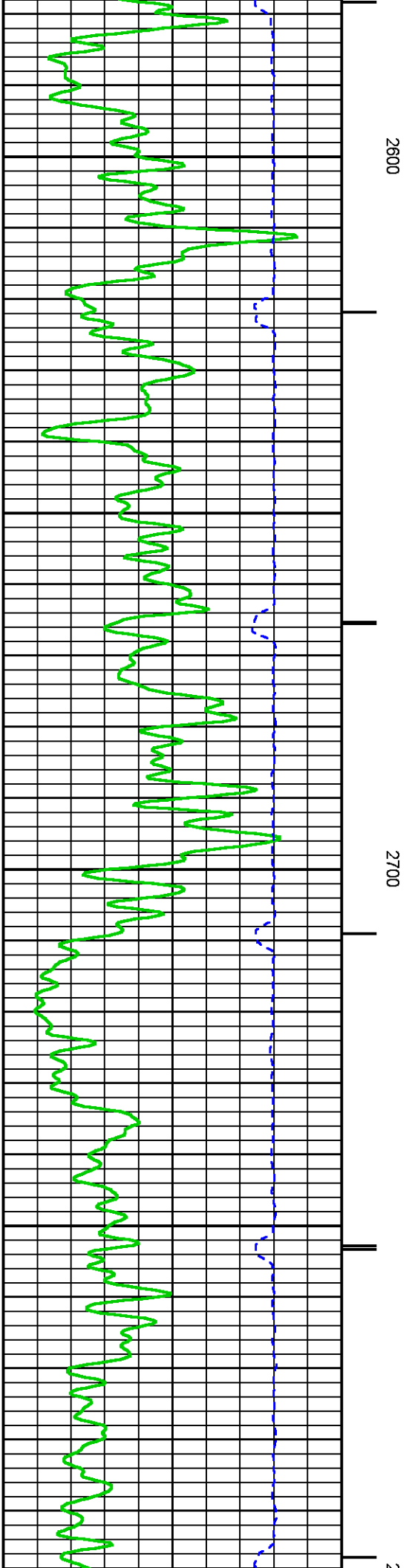
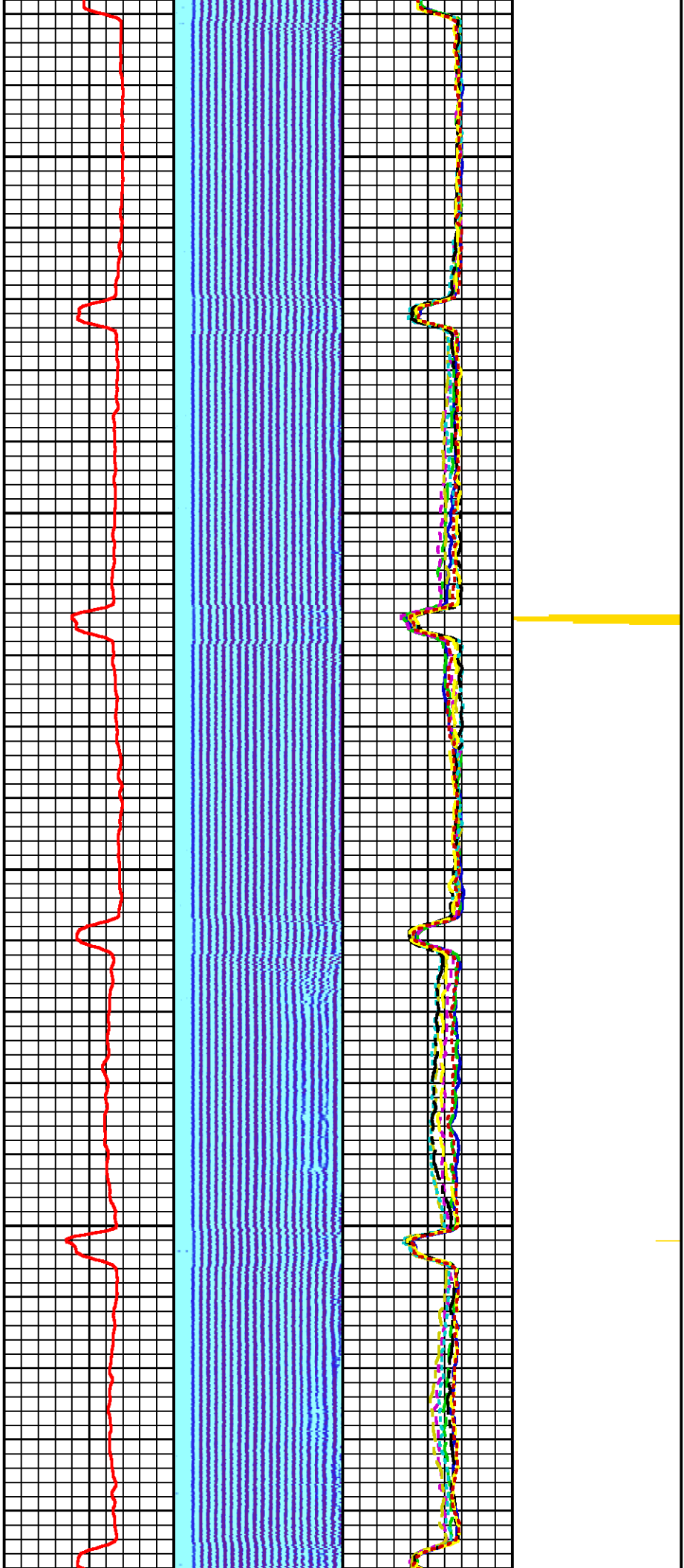
Yellow horizontal bar

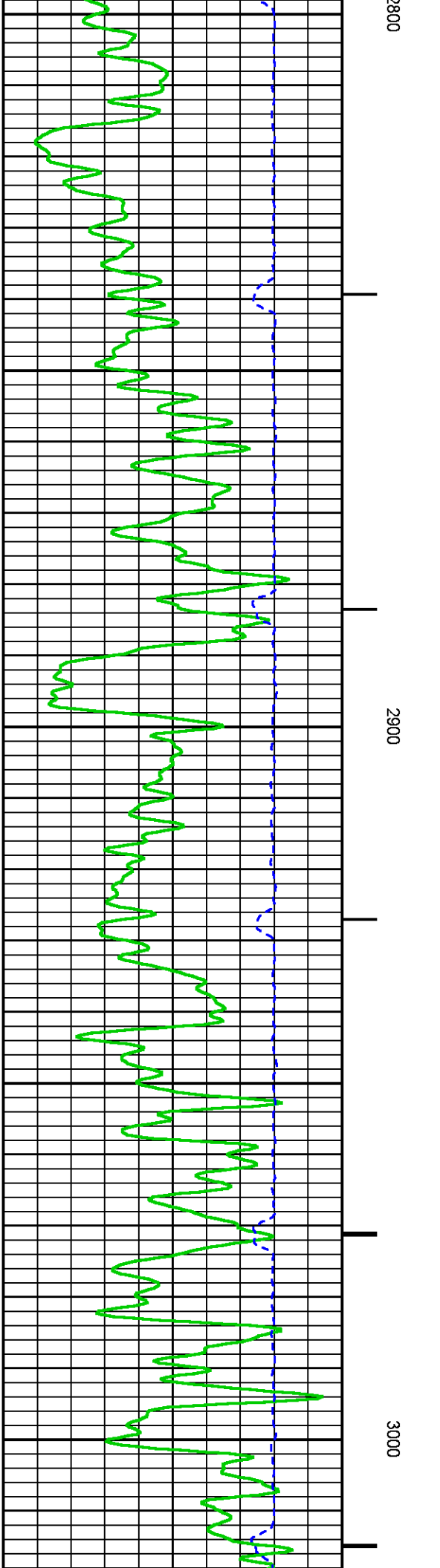
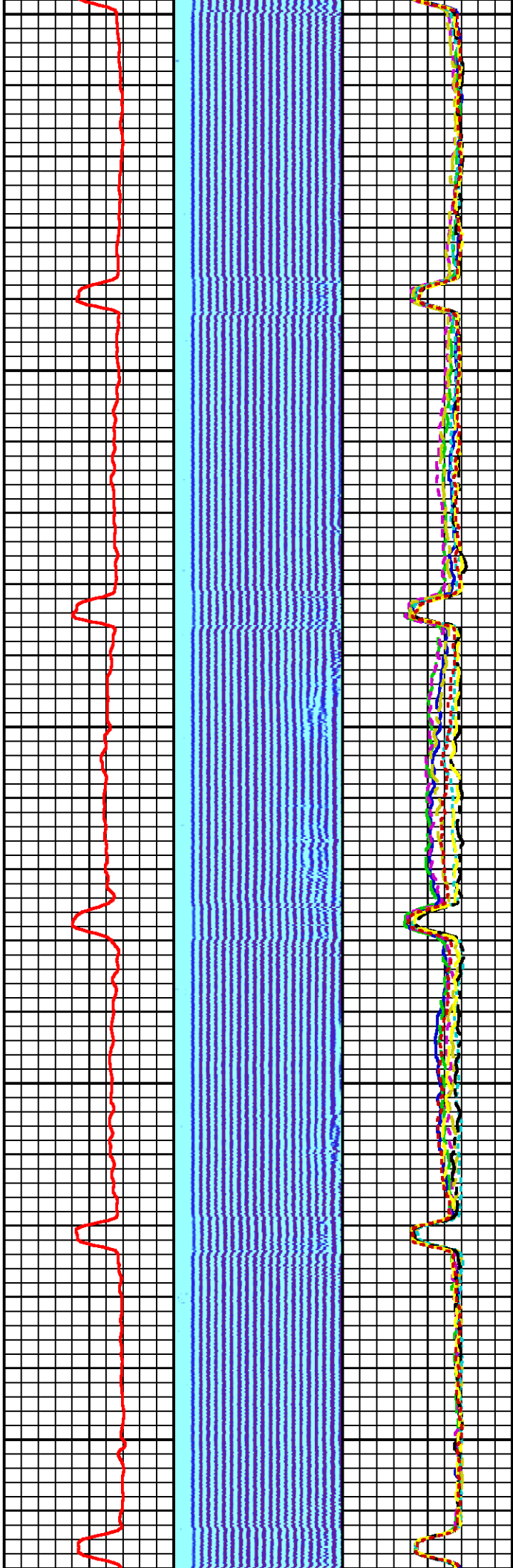
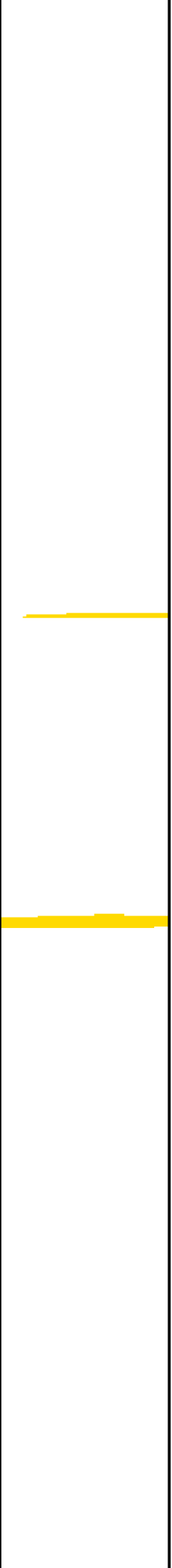


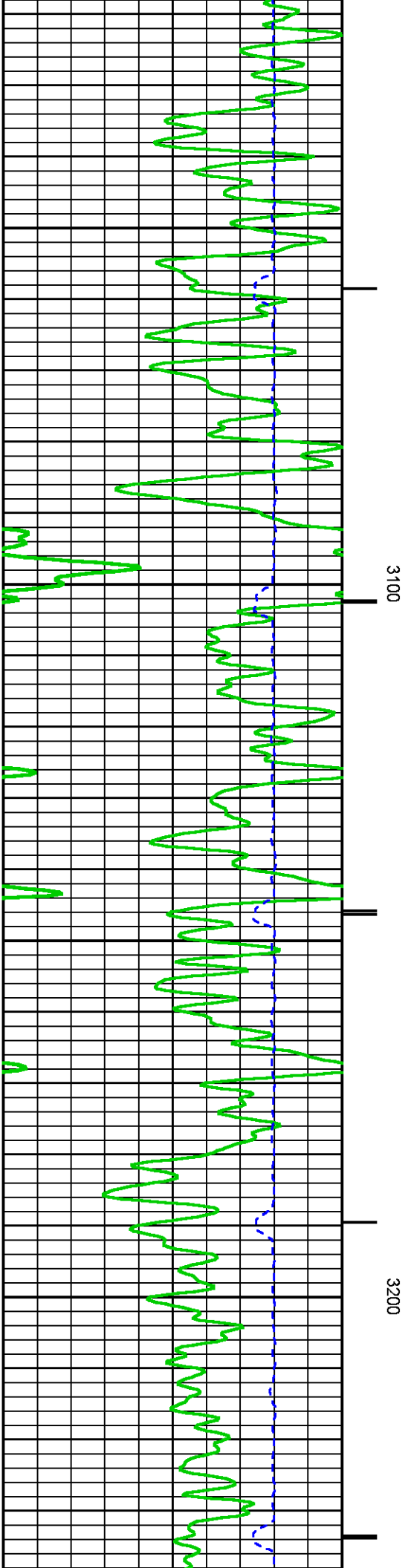
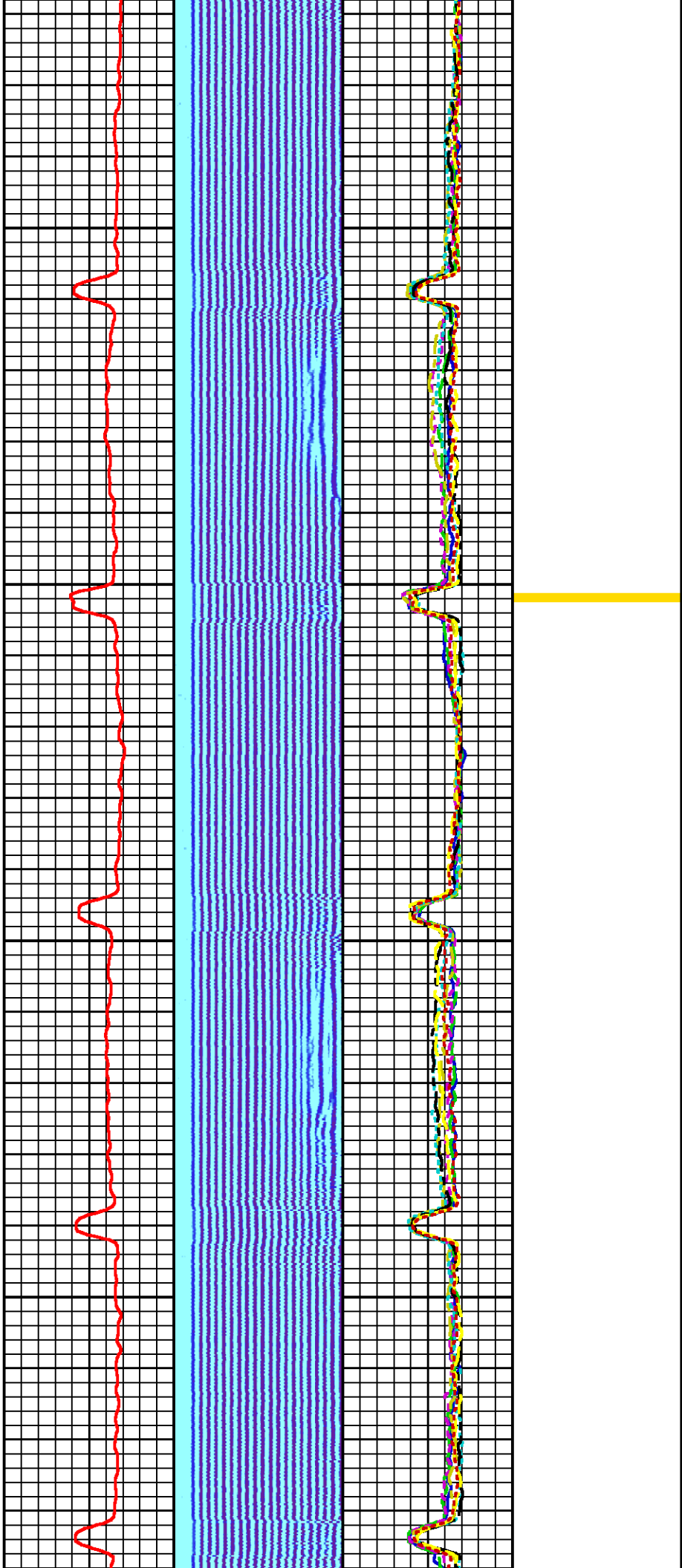


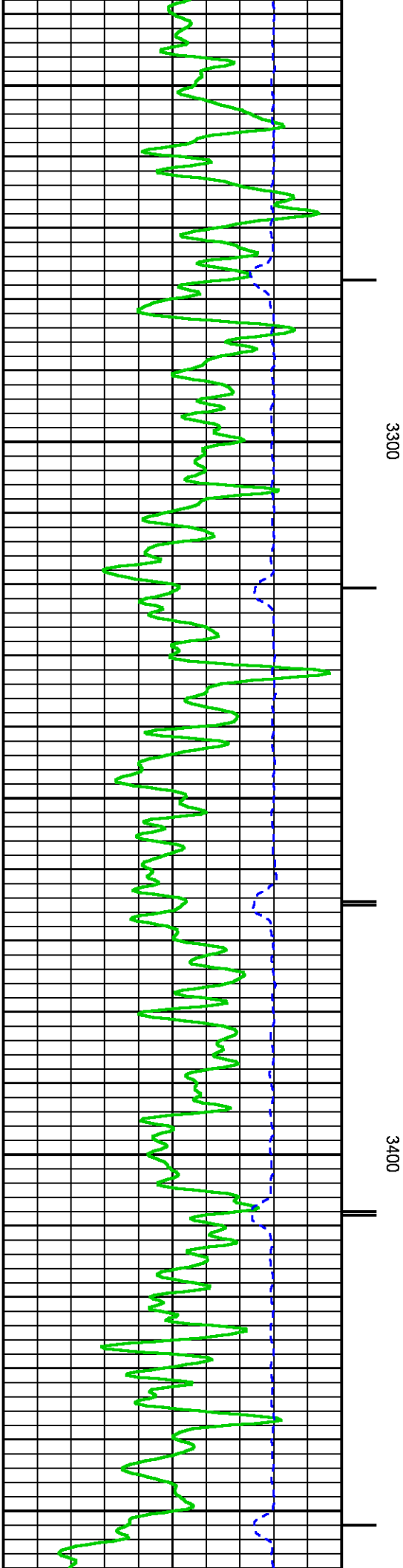
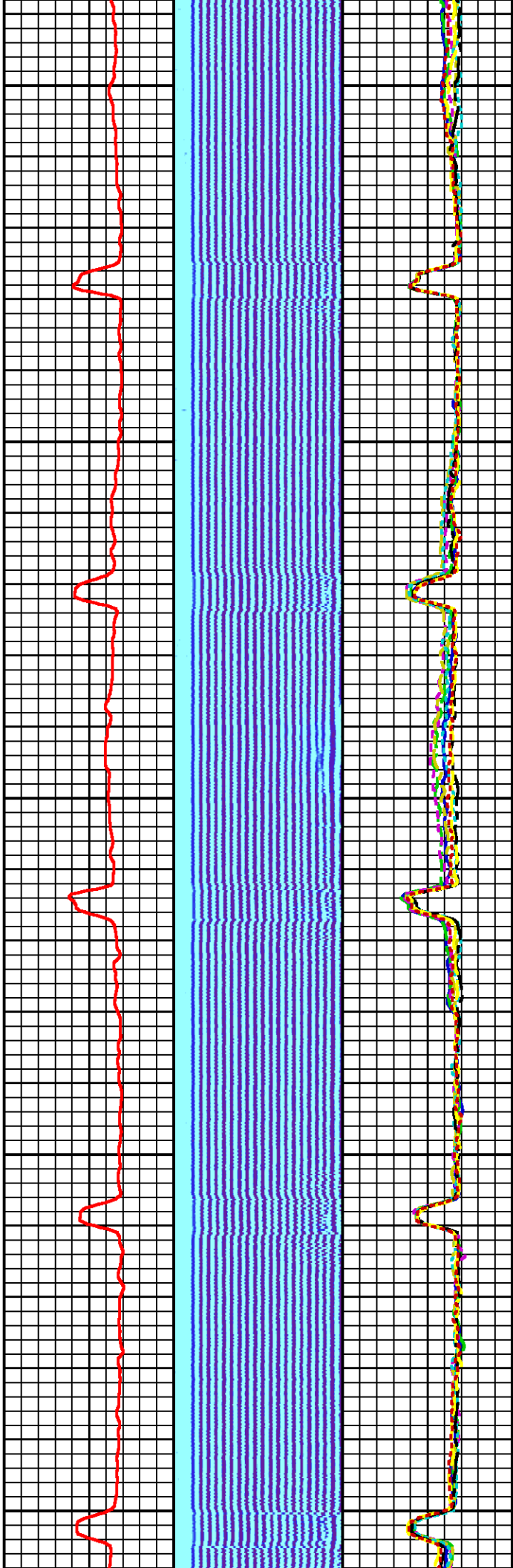


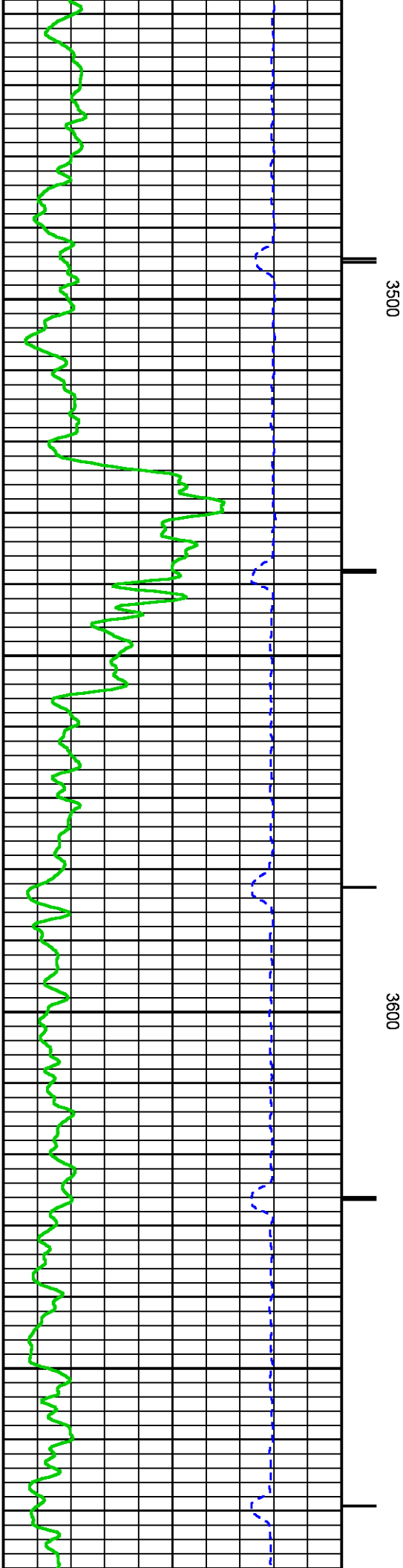
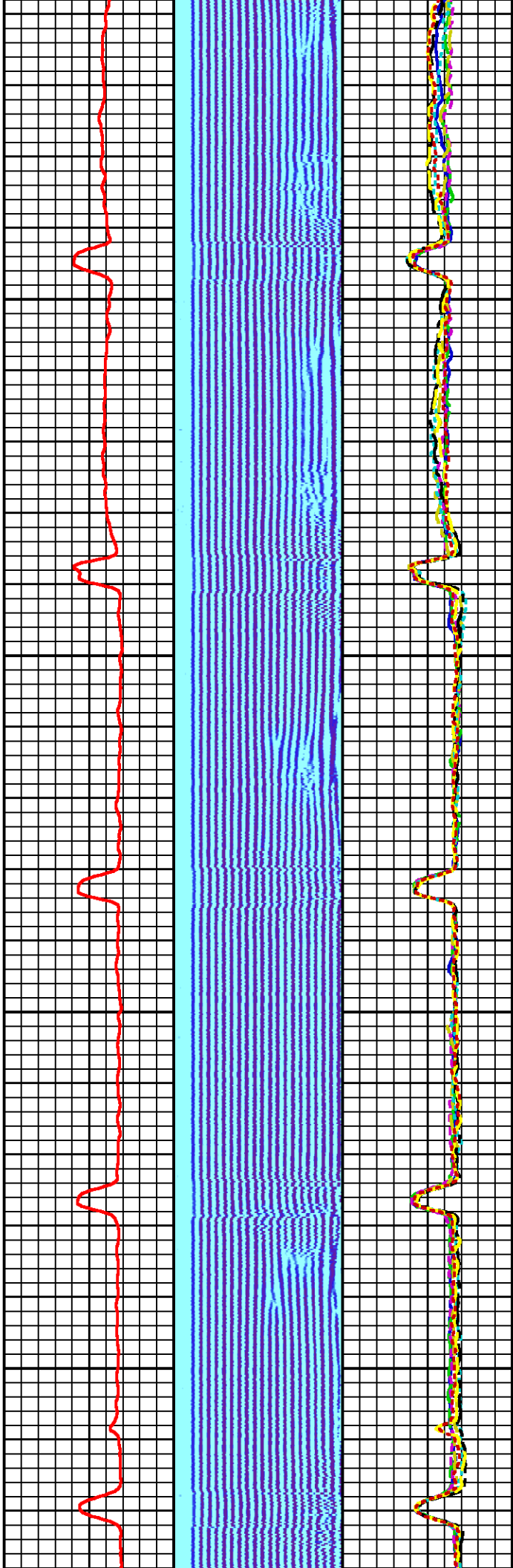


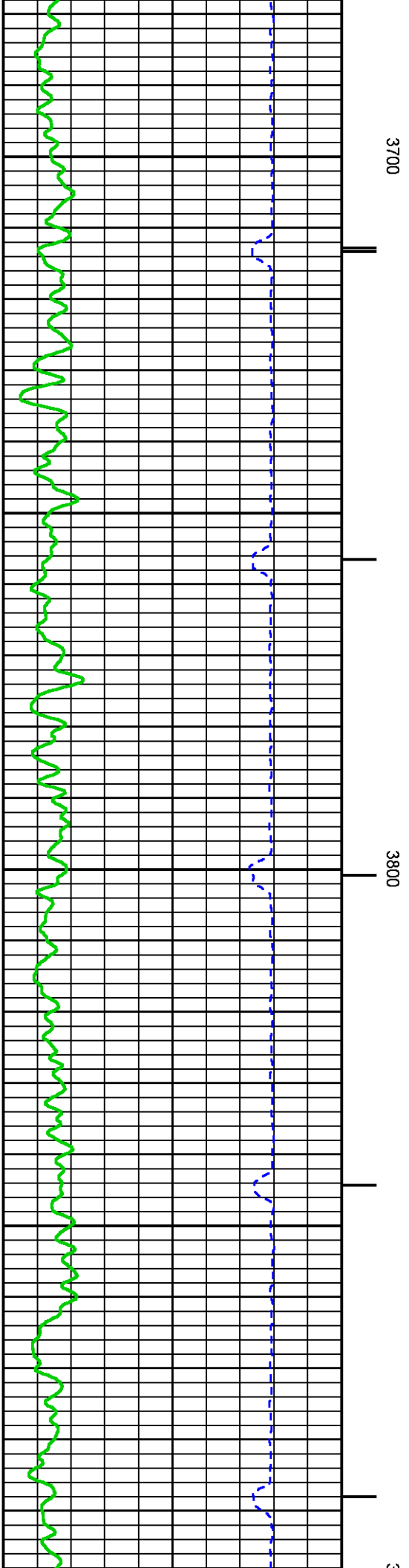
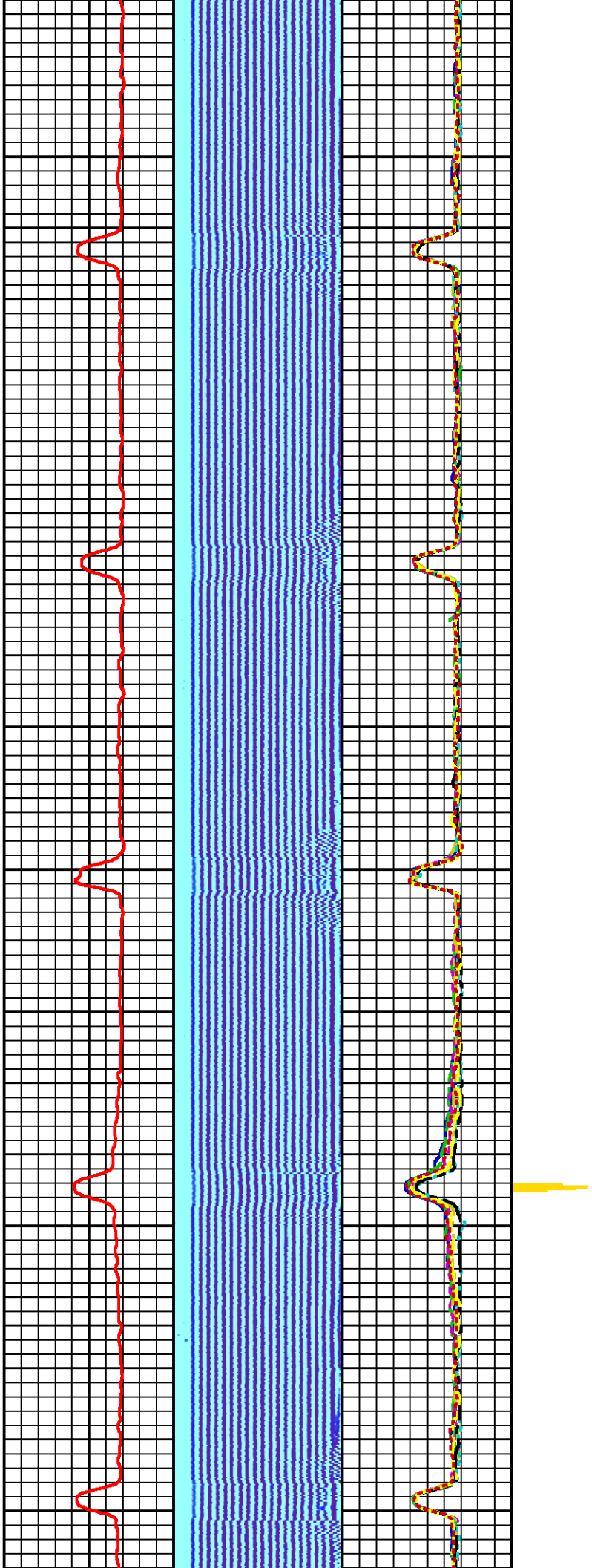


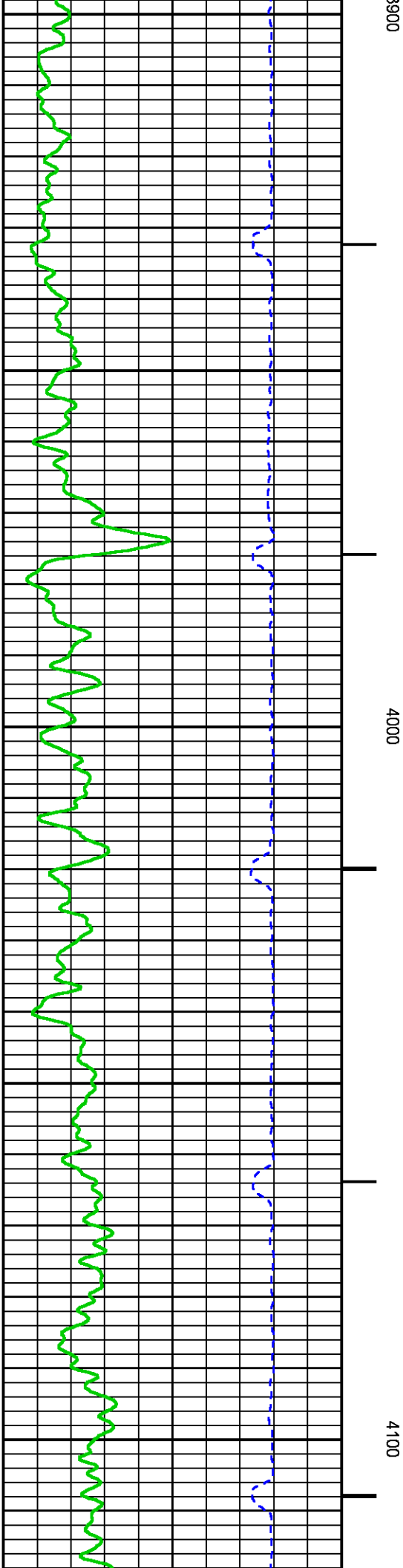
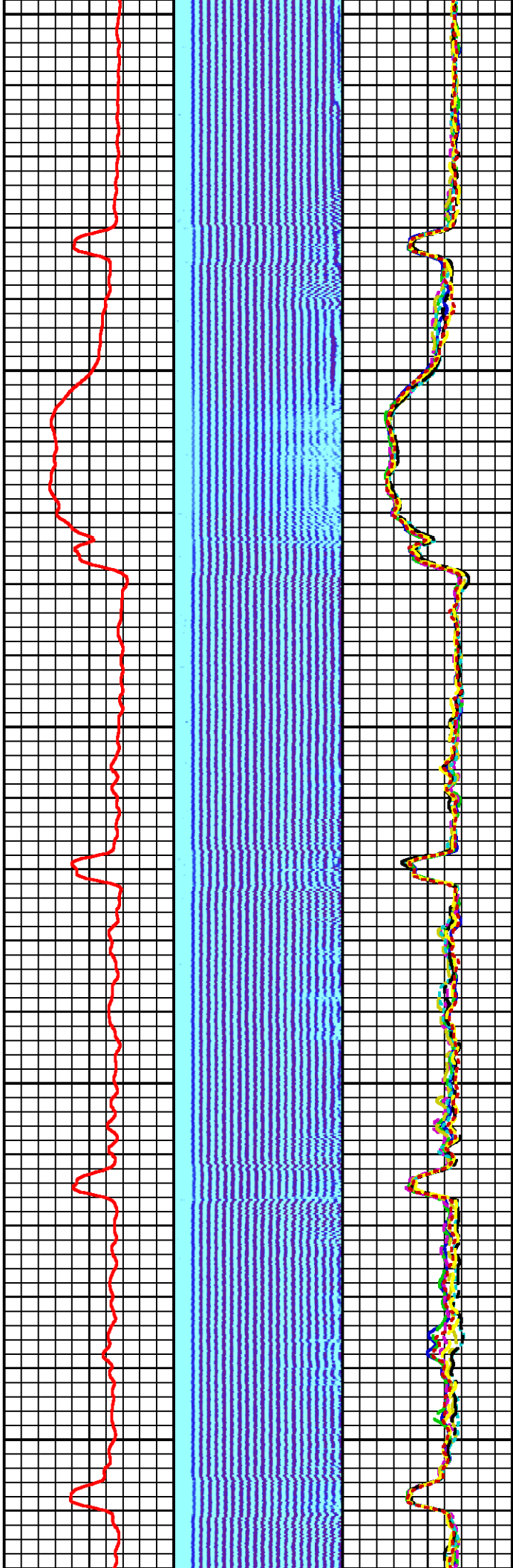


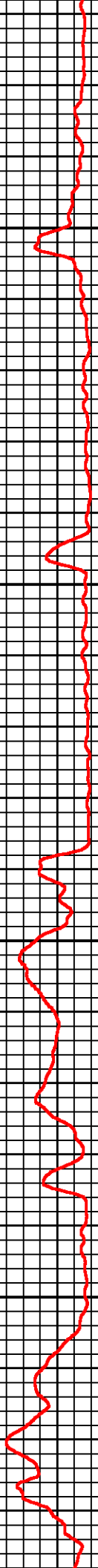
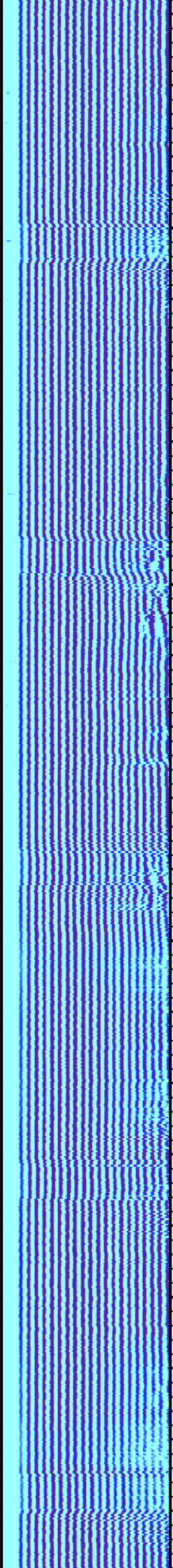
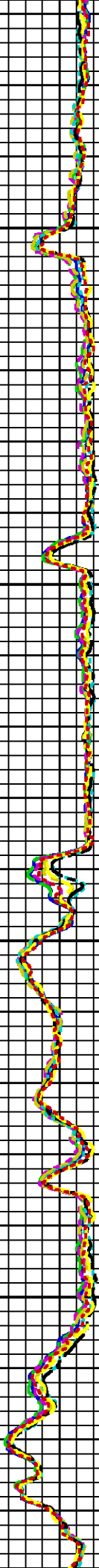
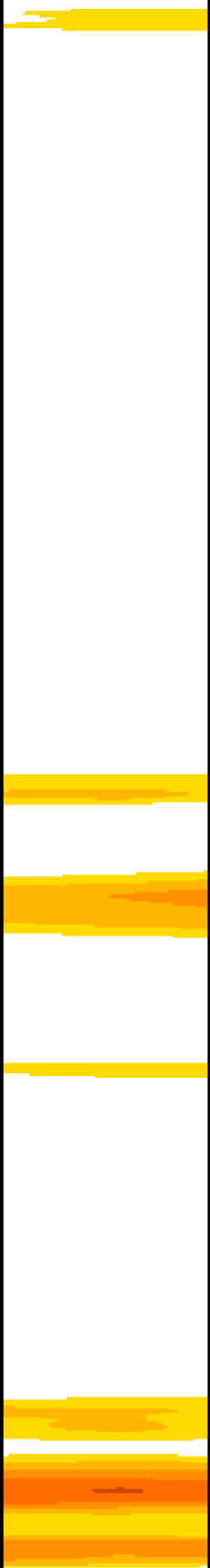






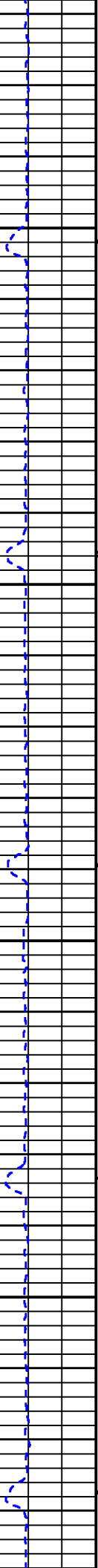


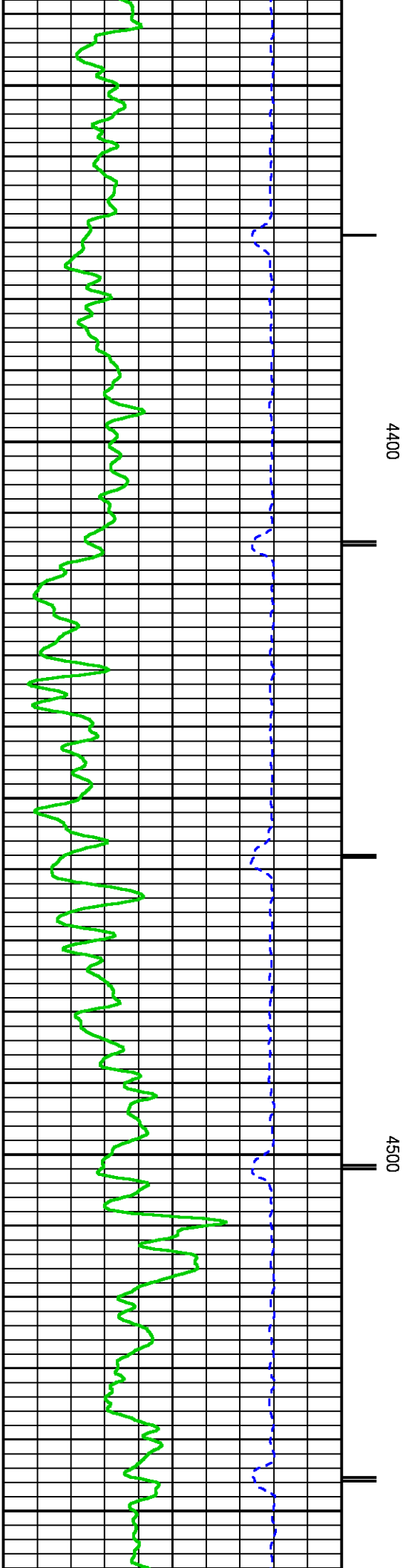
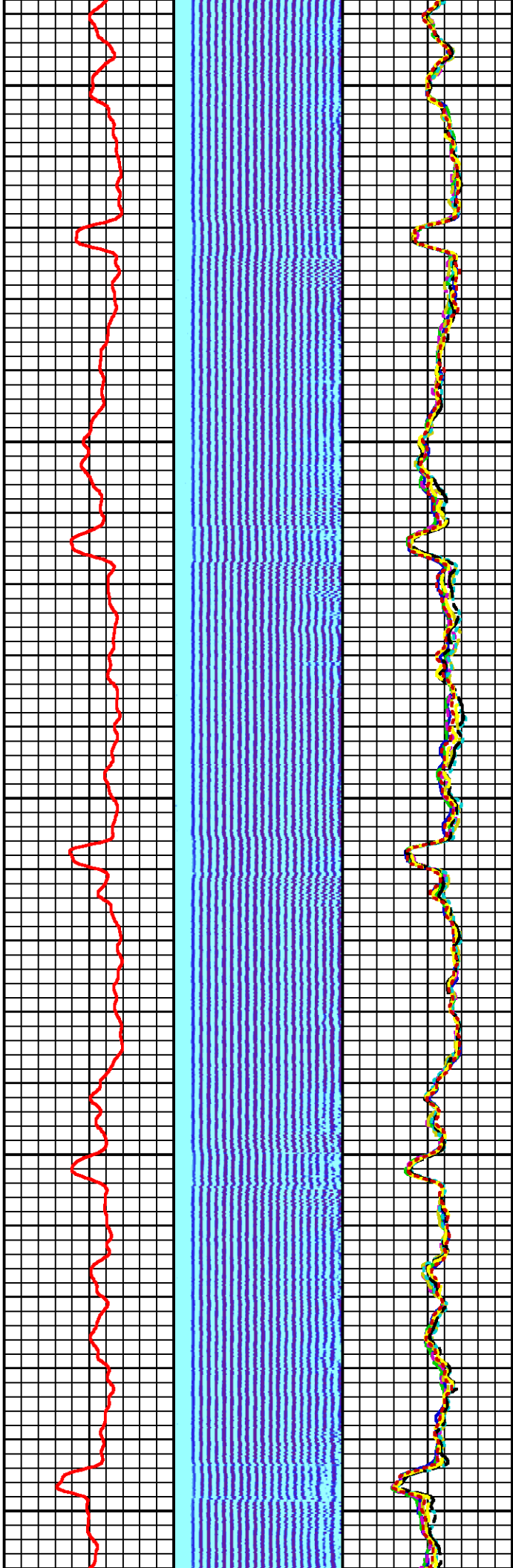
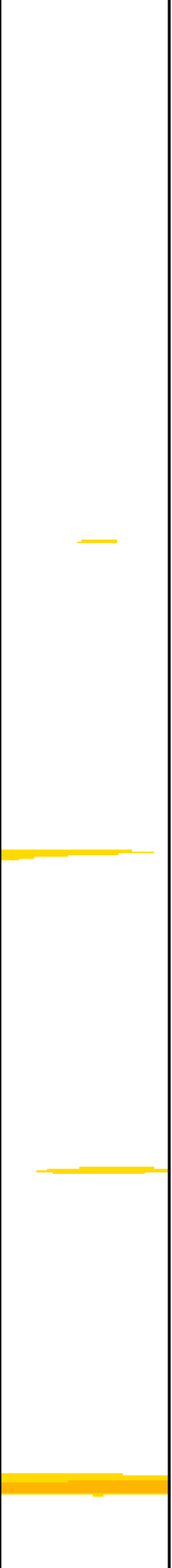


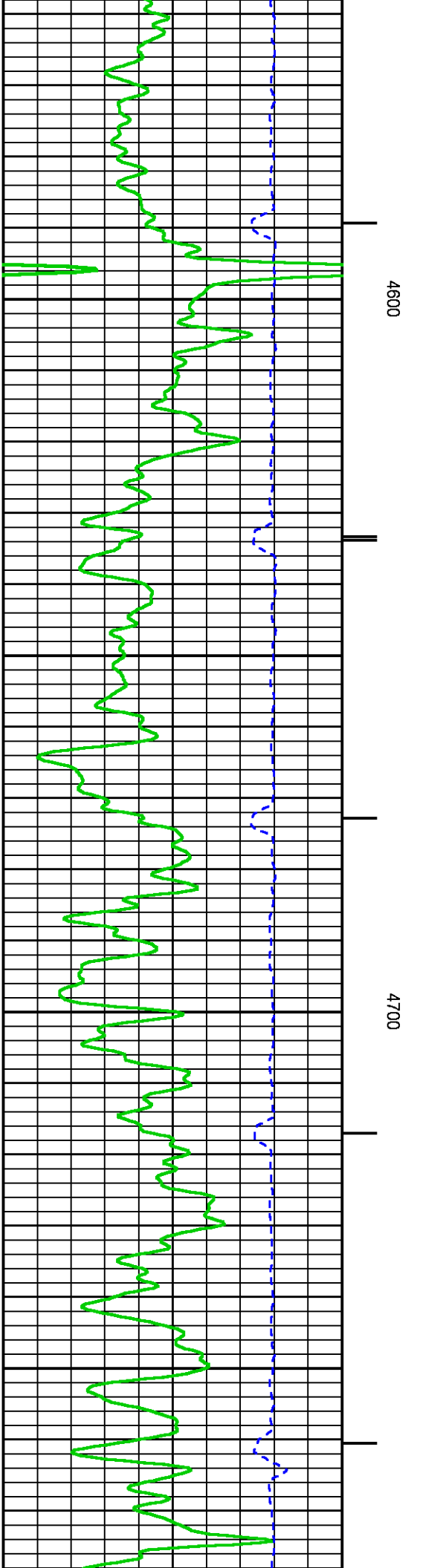
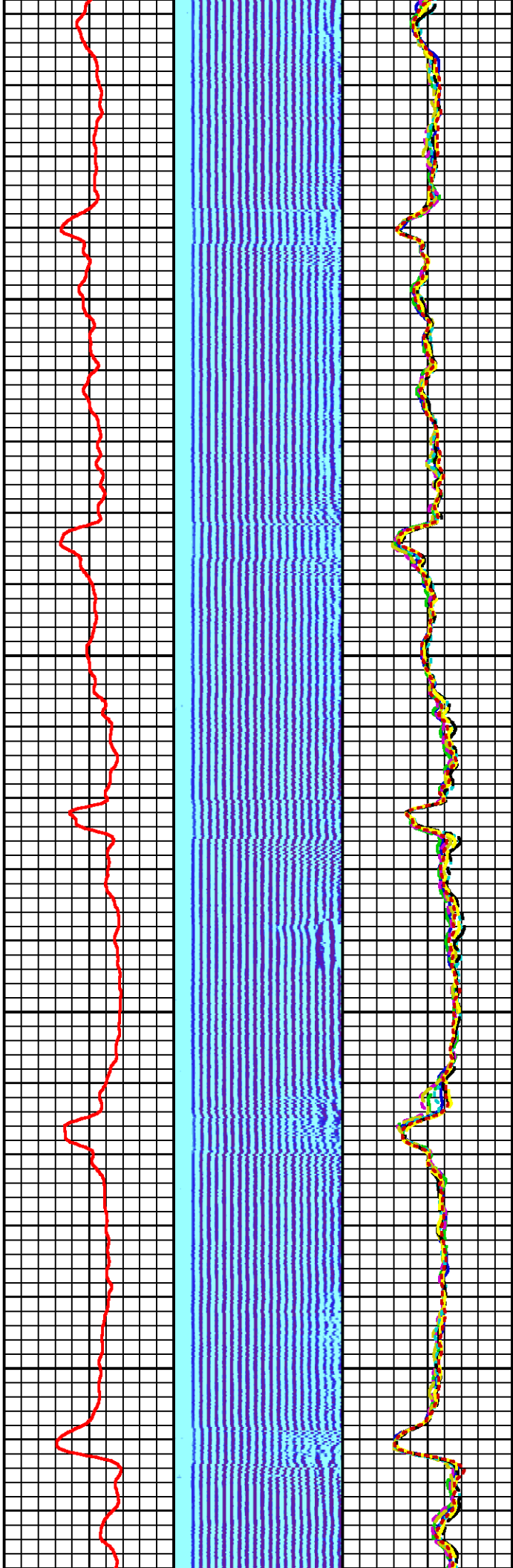
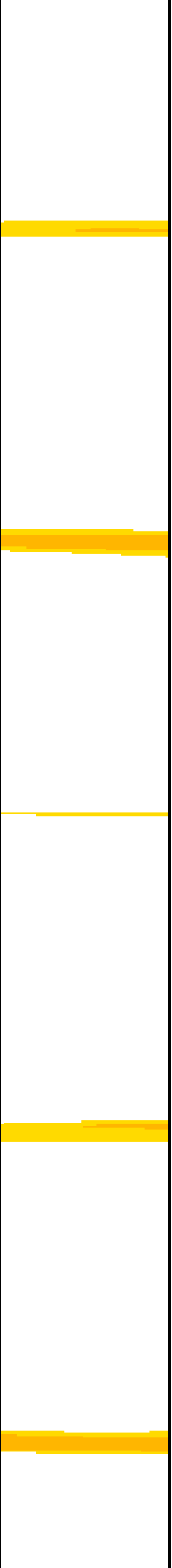


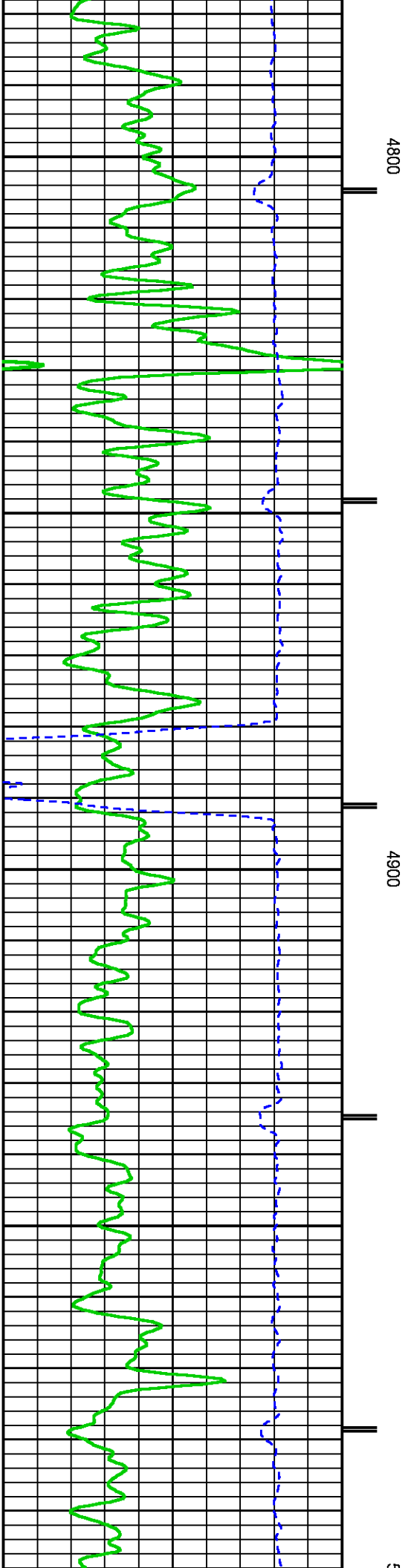
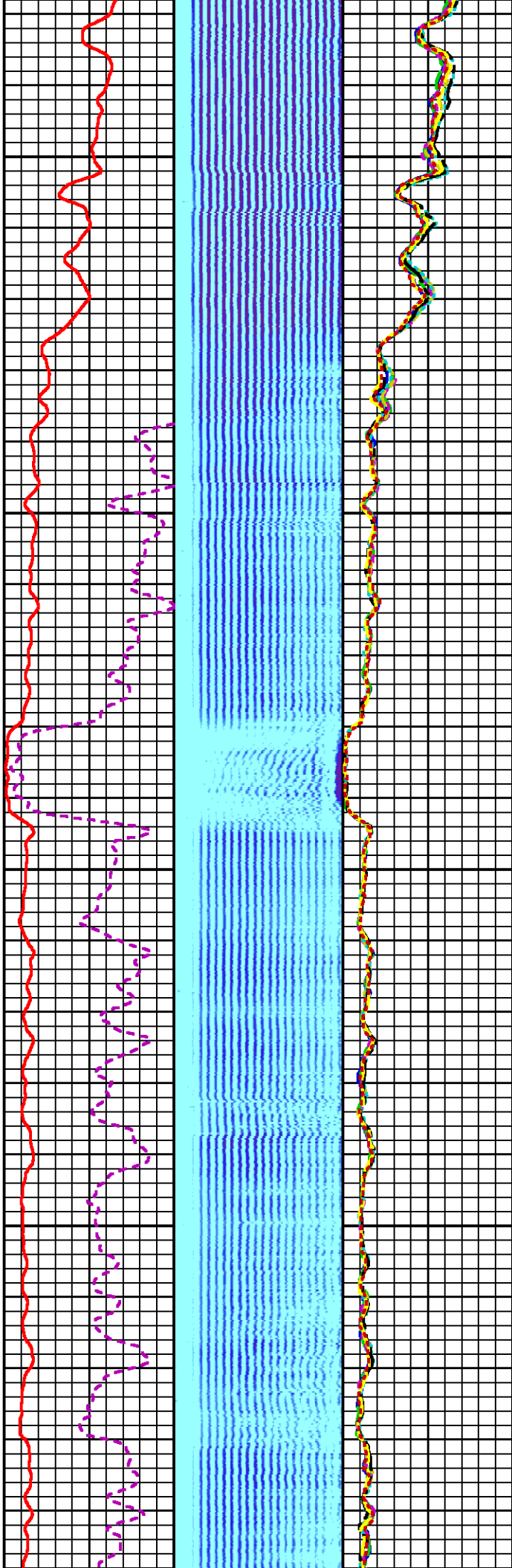
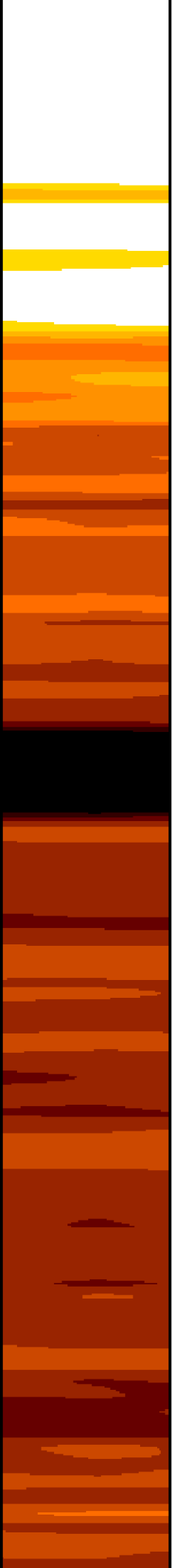
4200

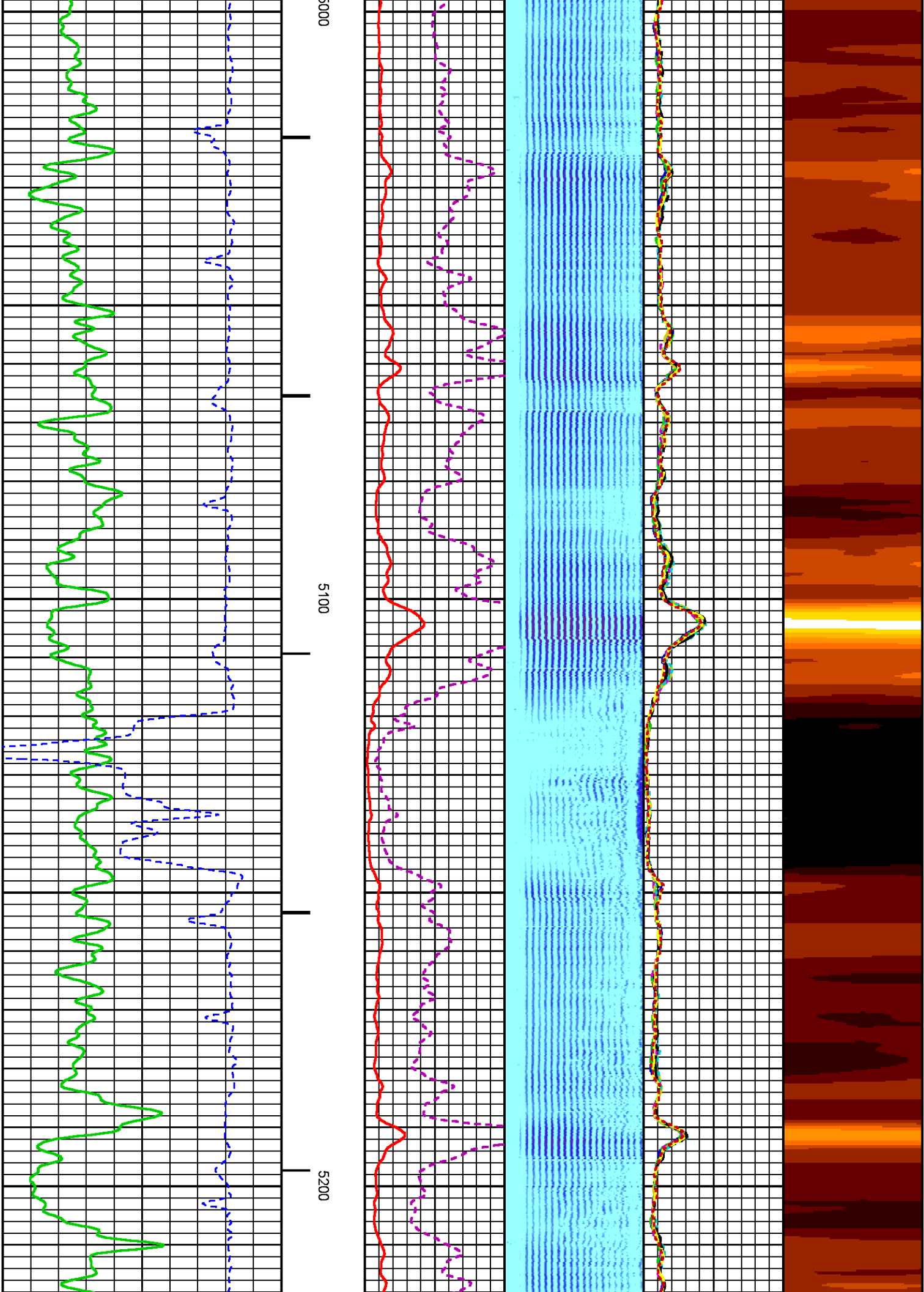
4300

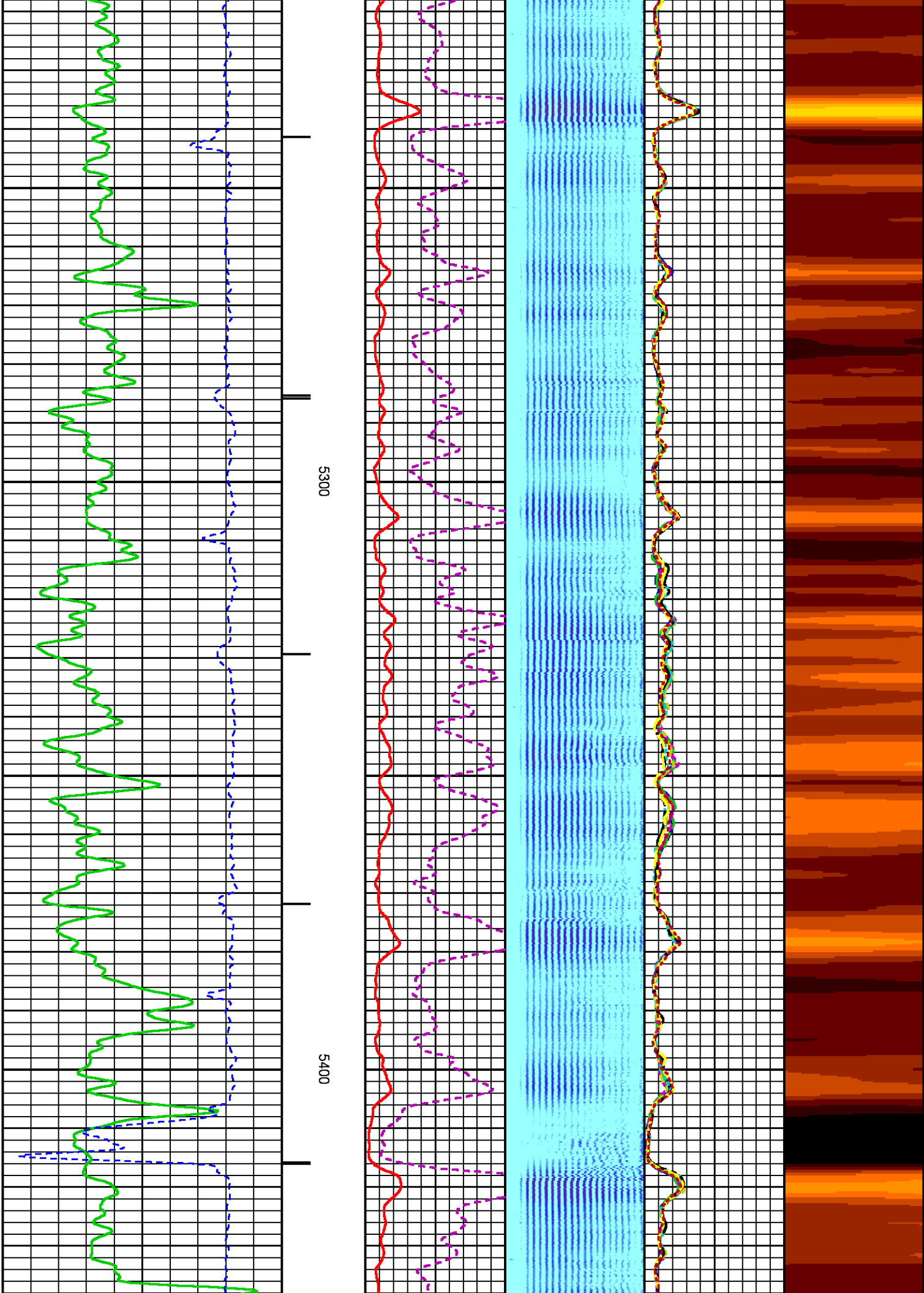


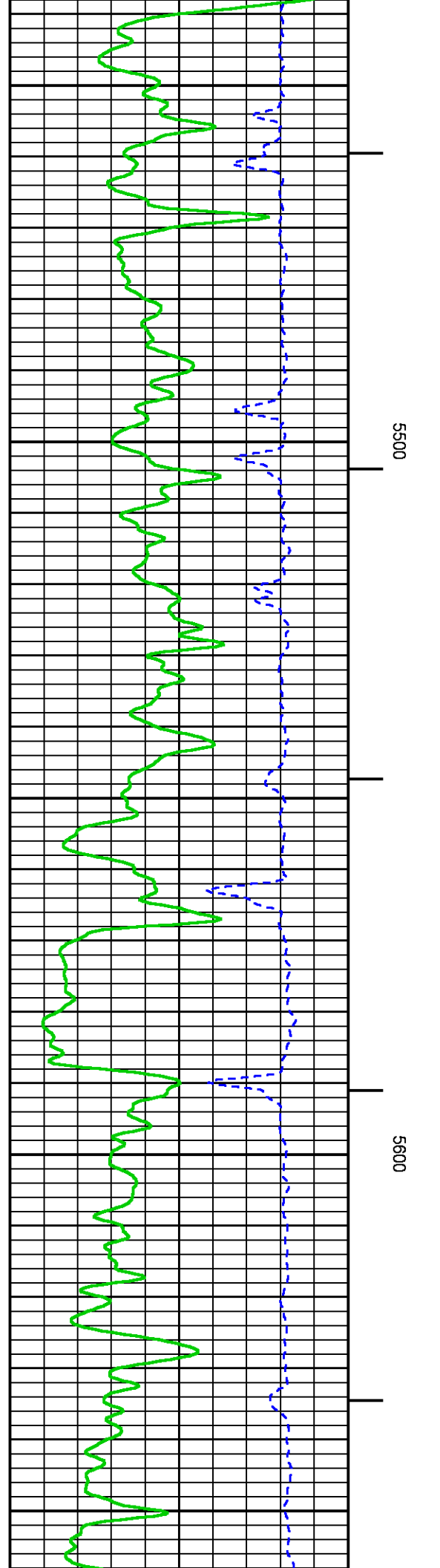
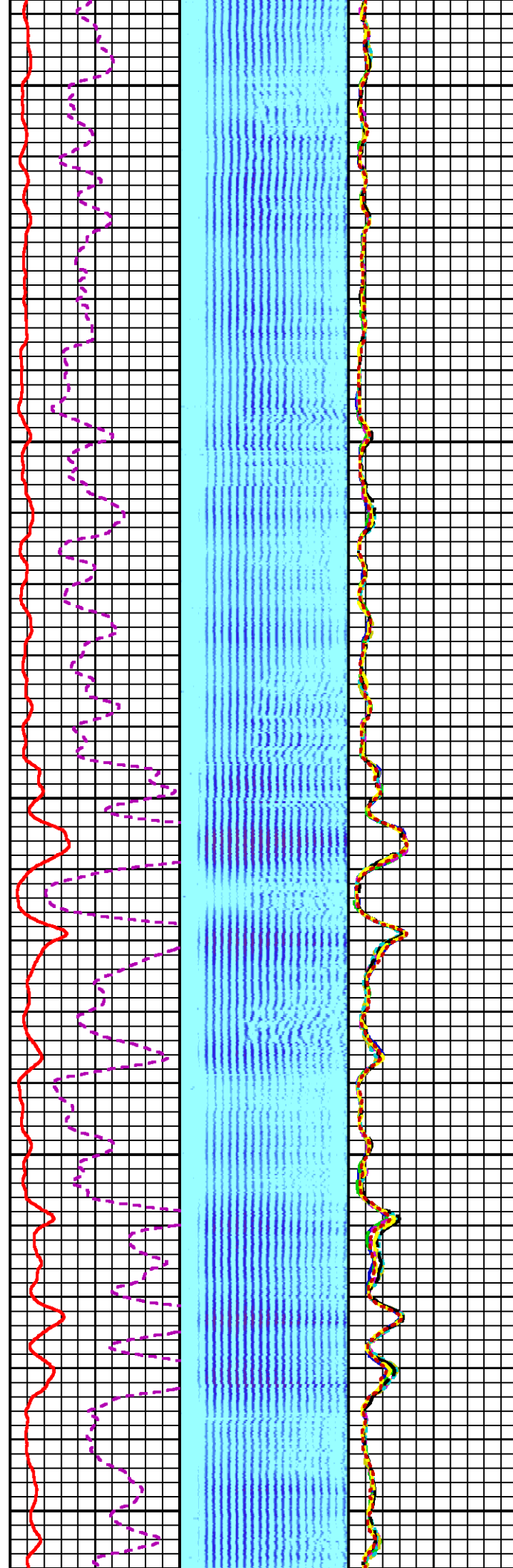
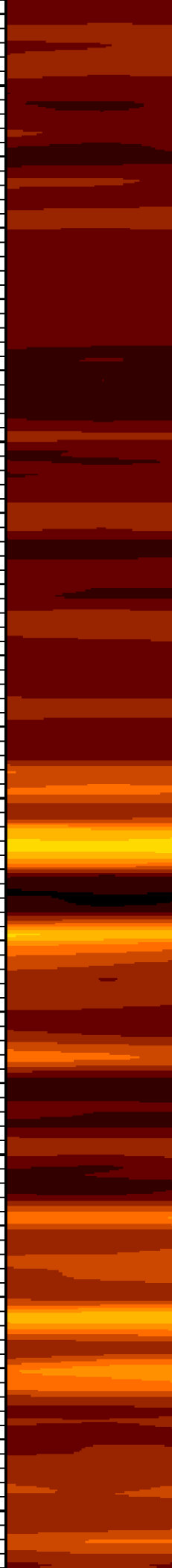


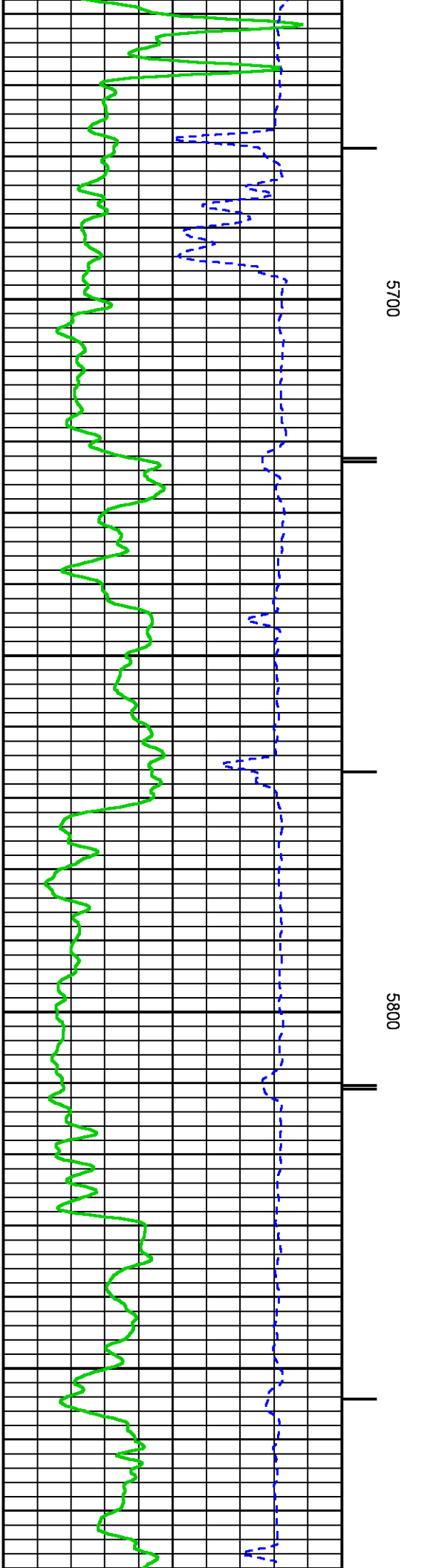
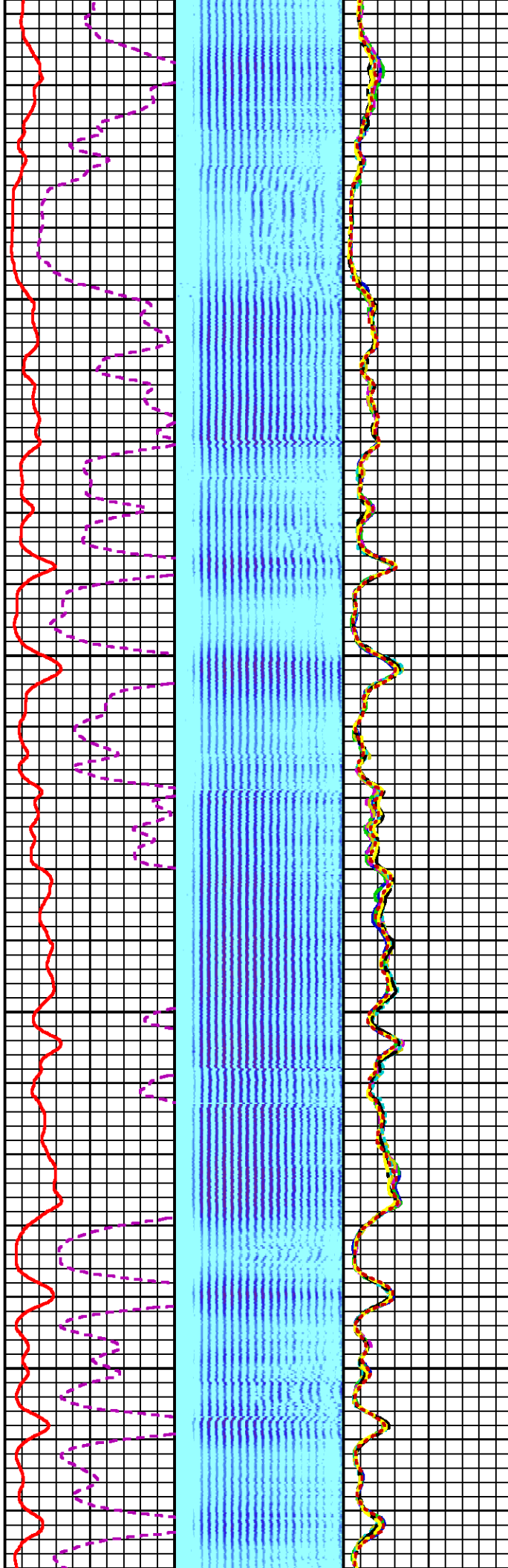
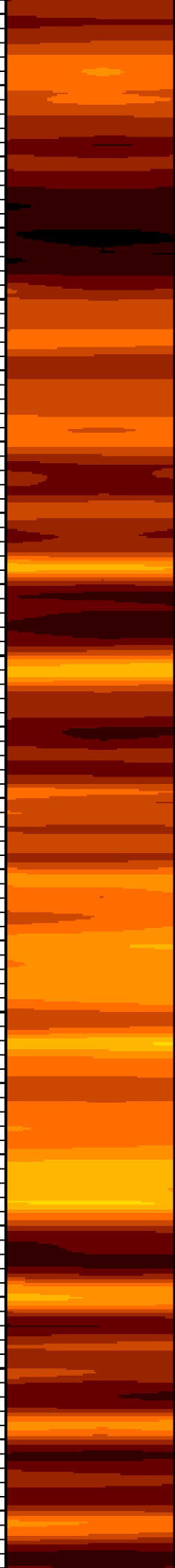


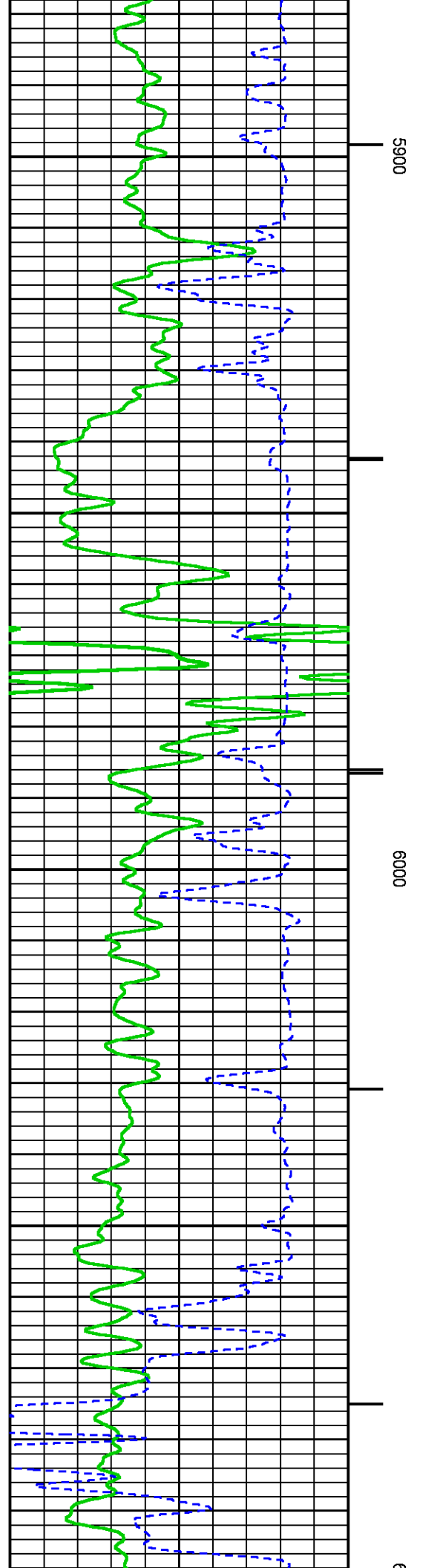
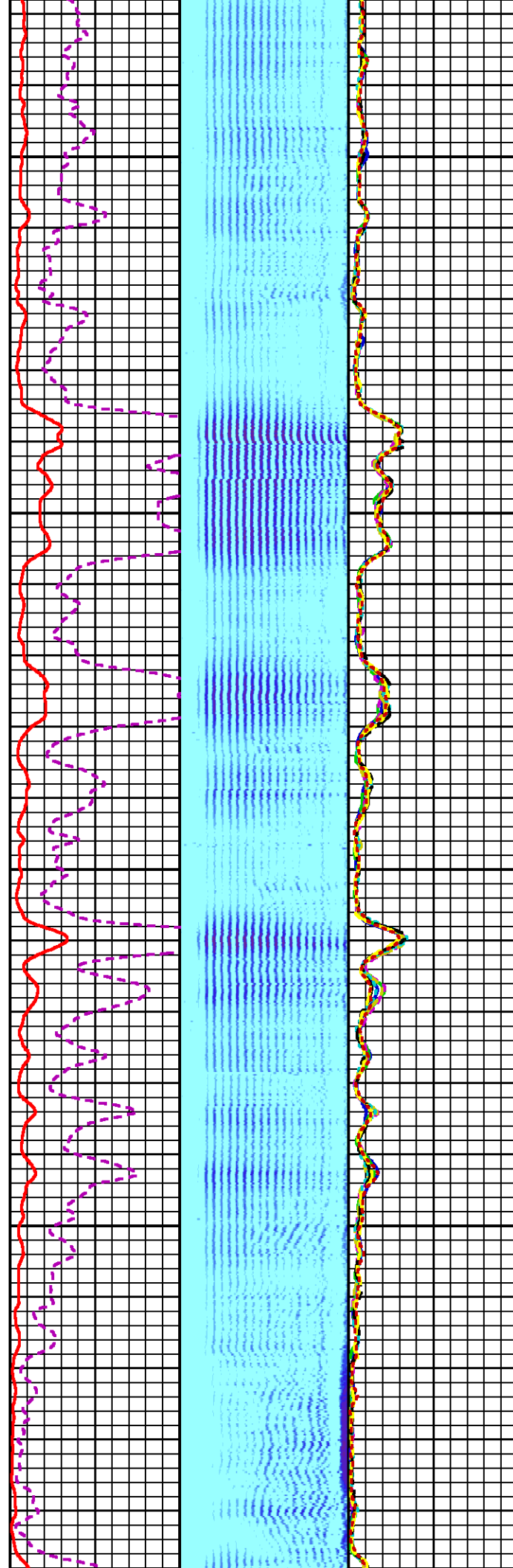
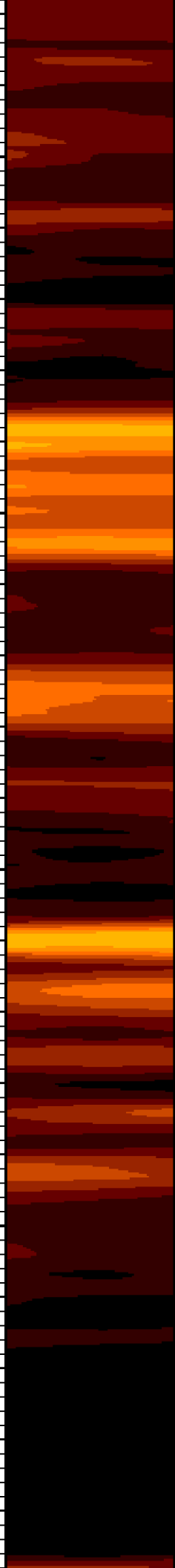


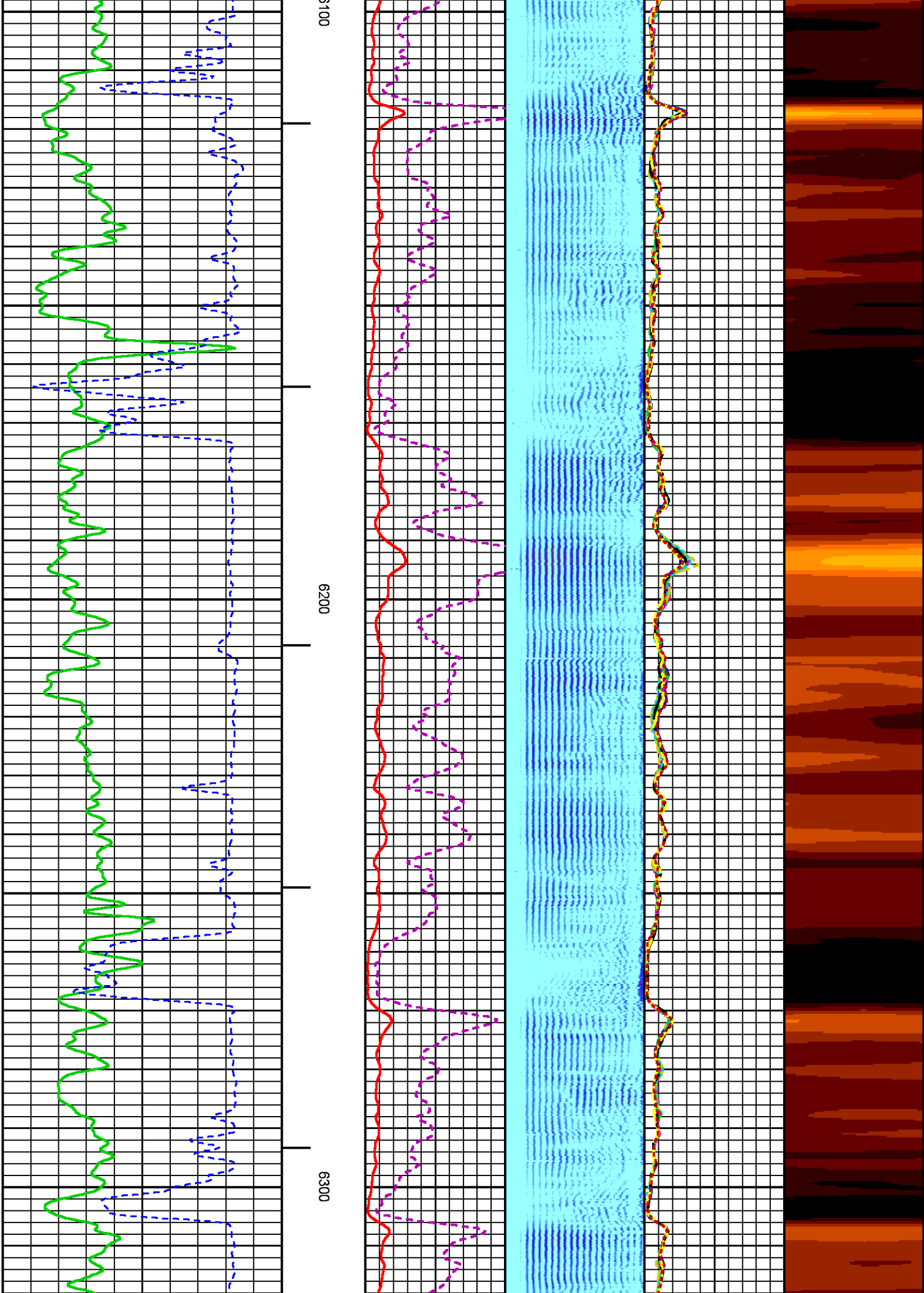


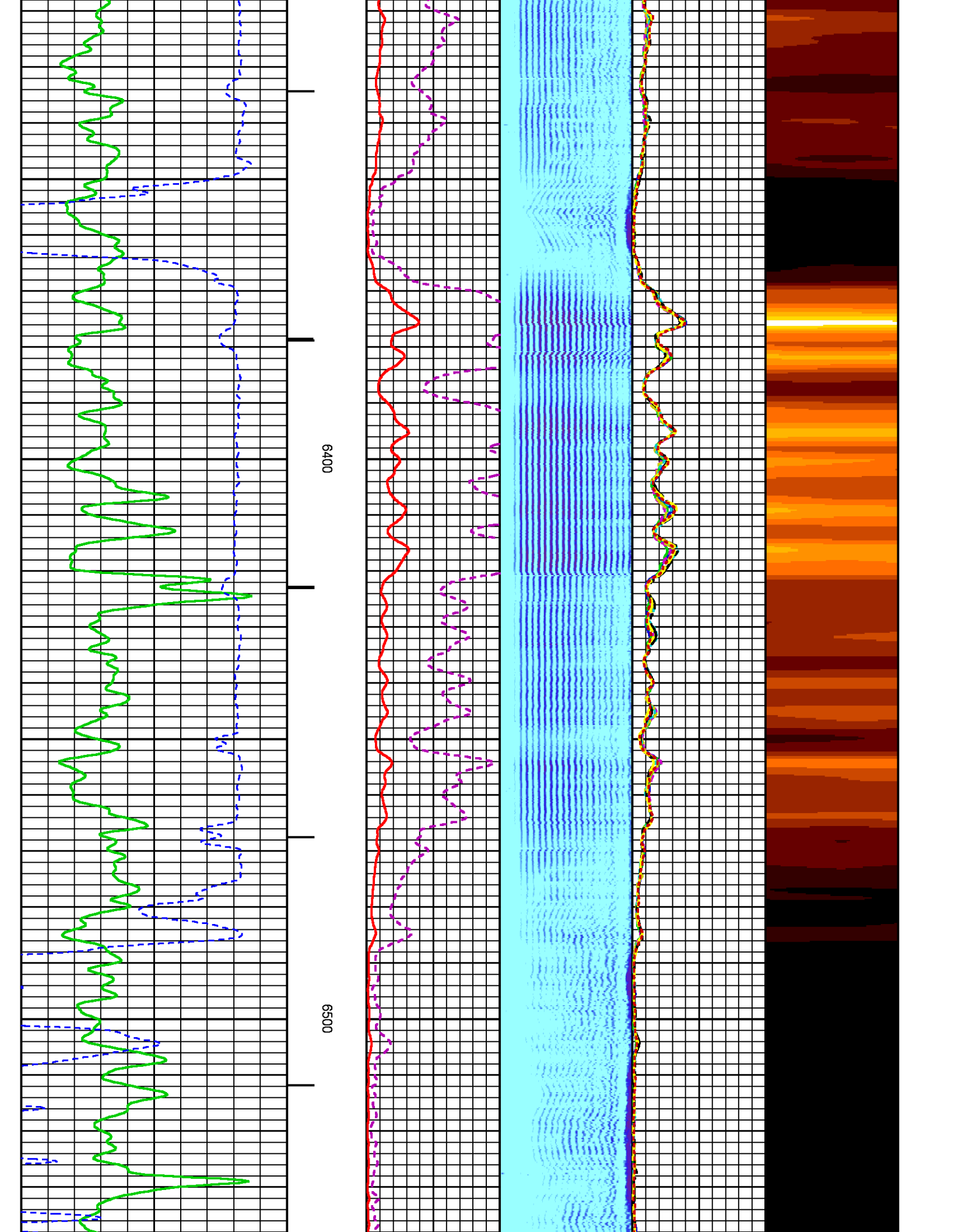


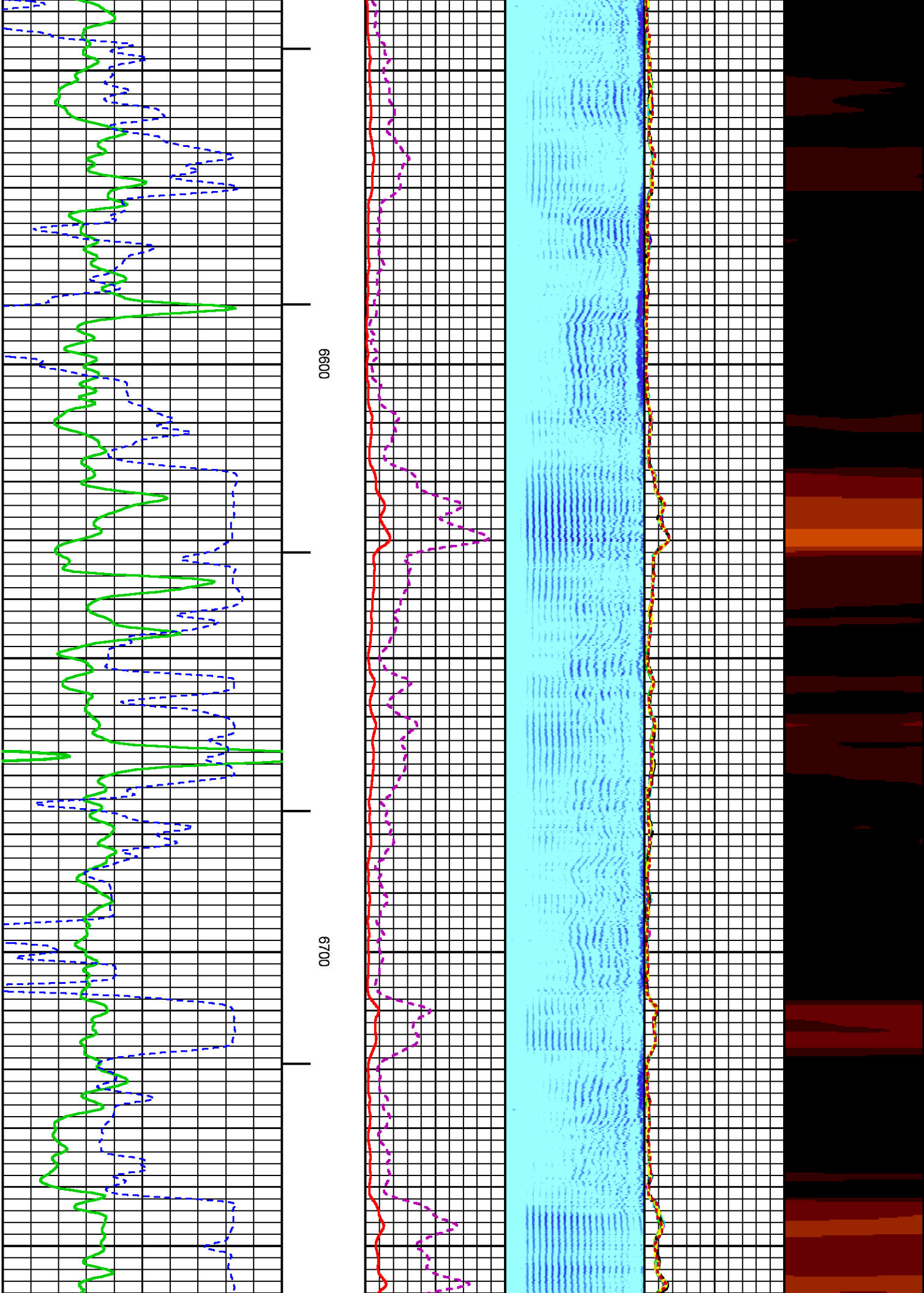


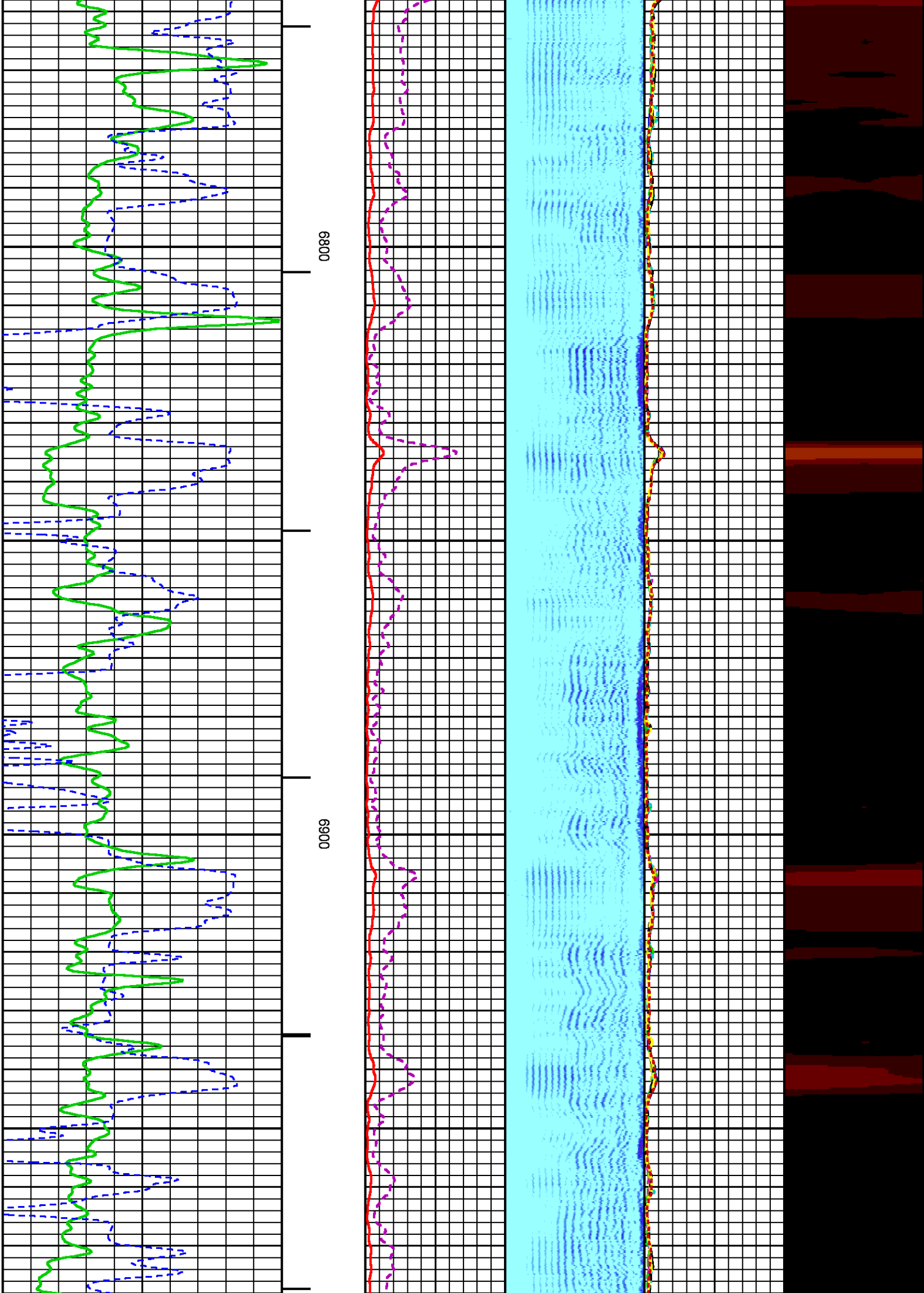


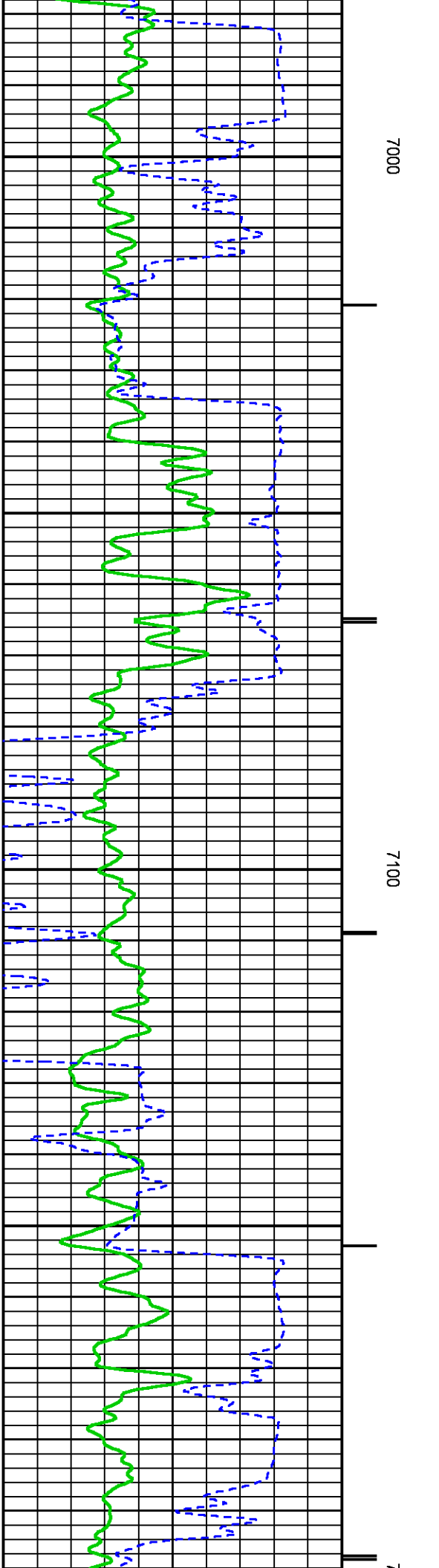
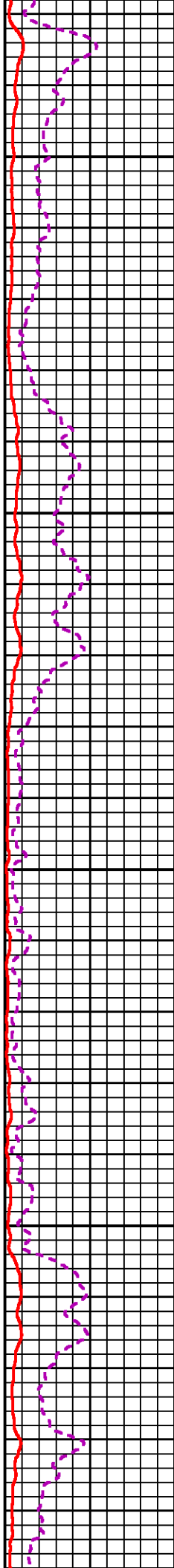
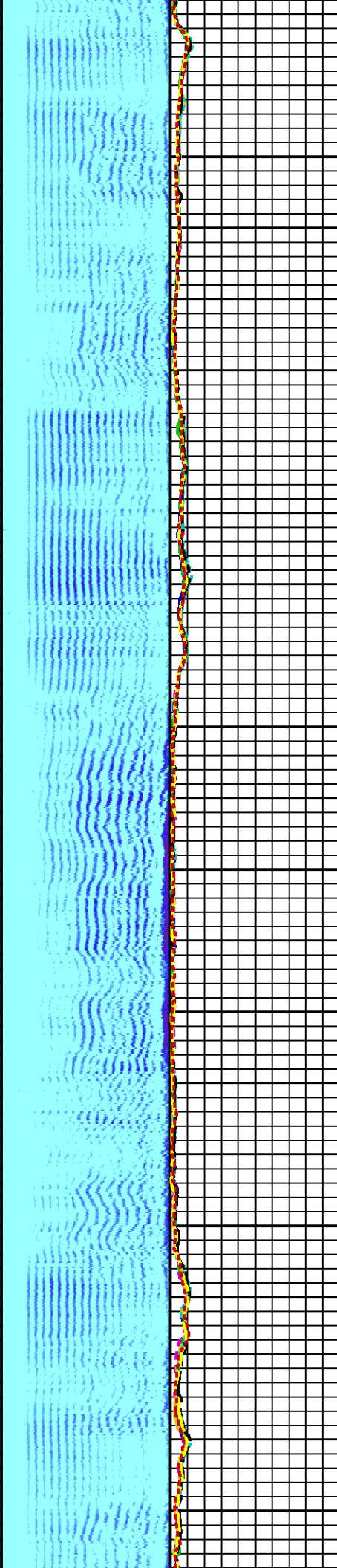
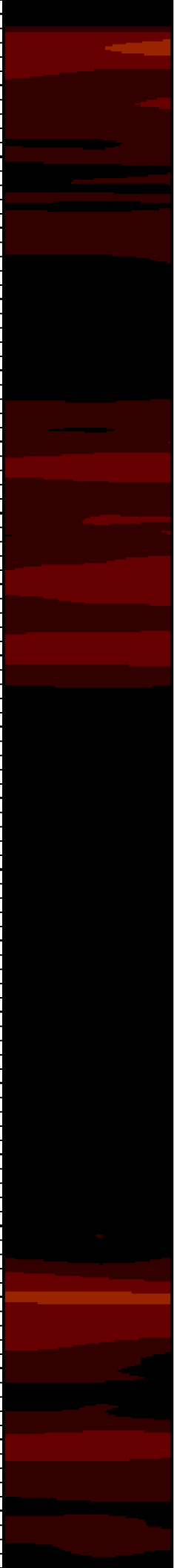


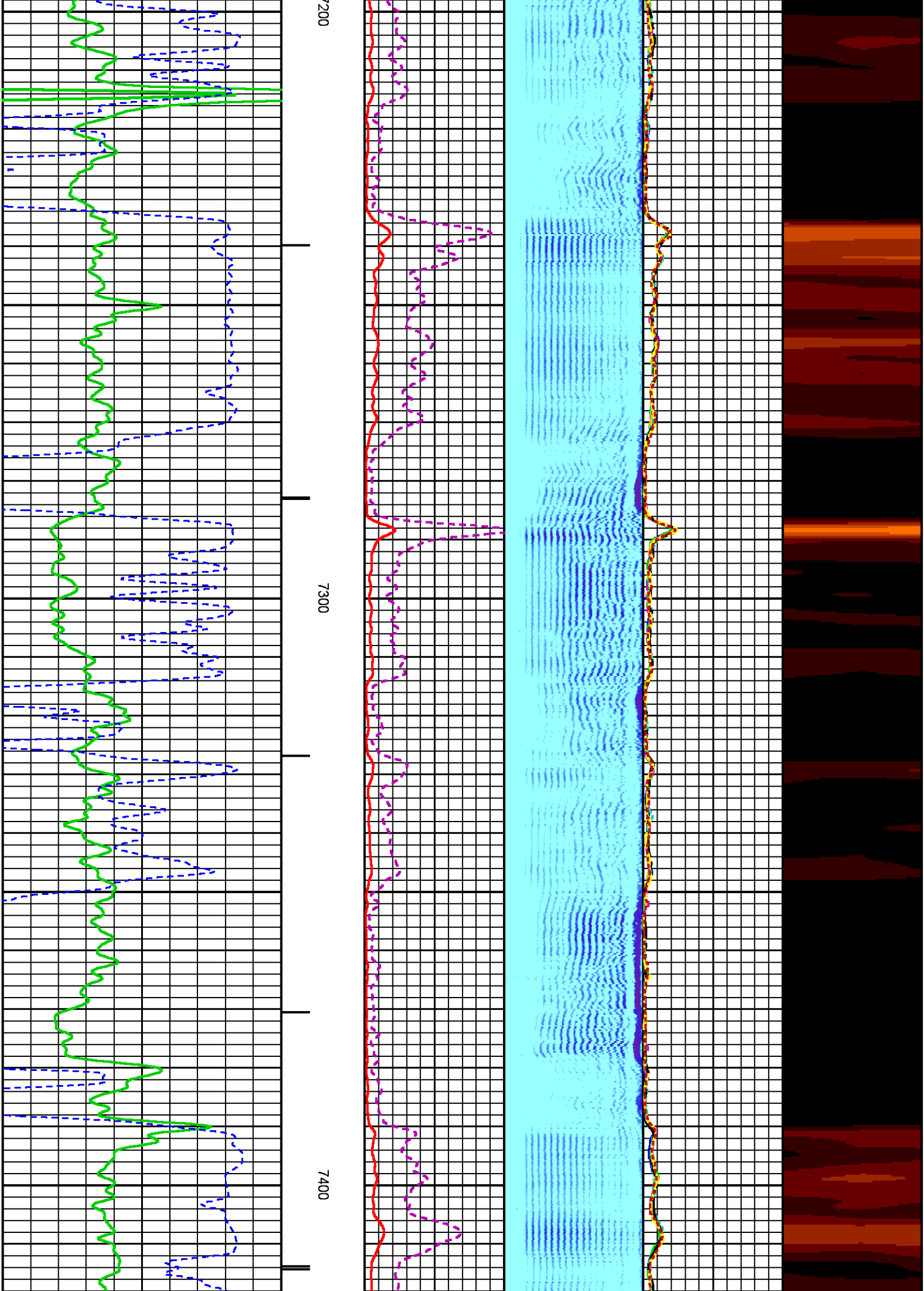


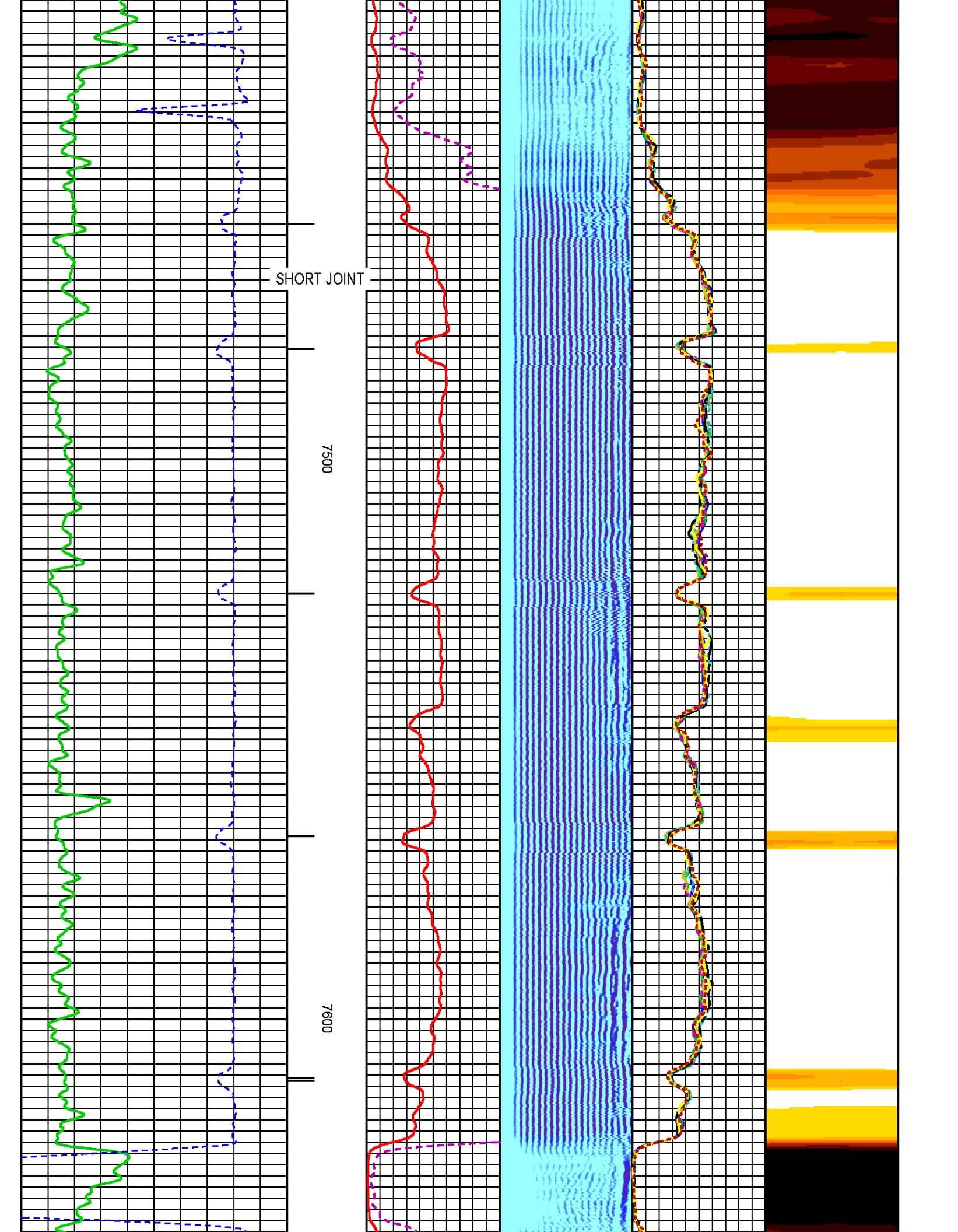


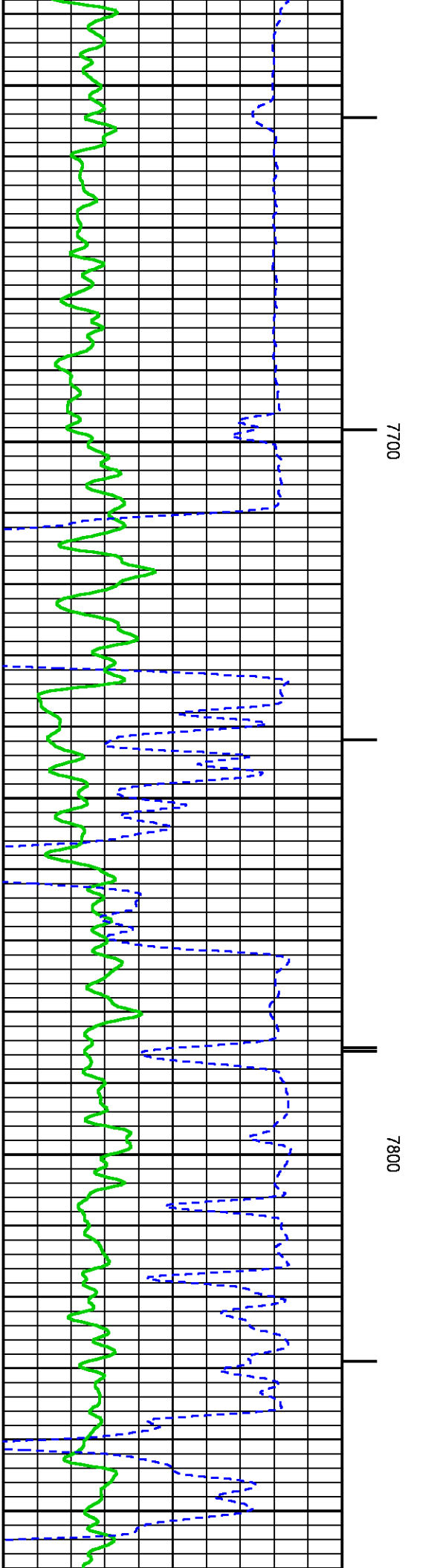
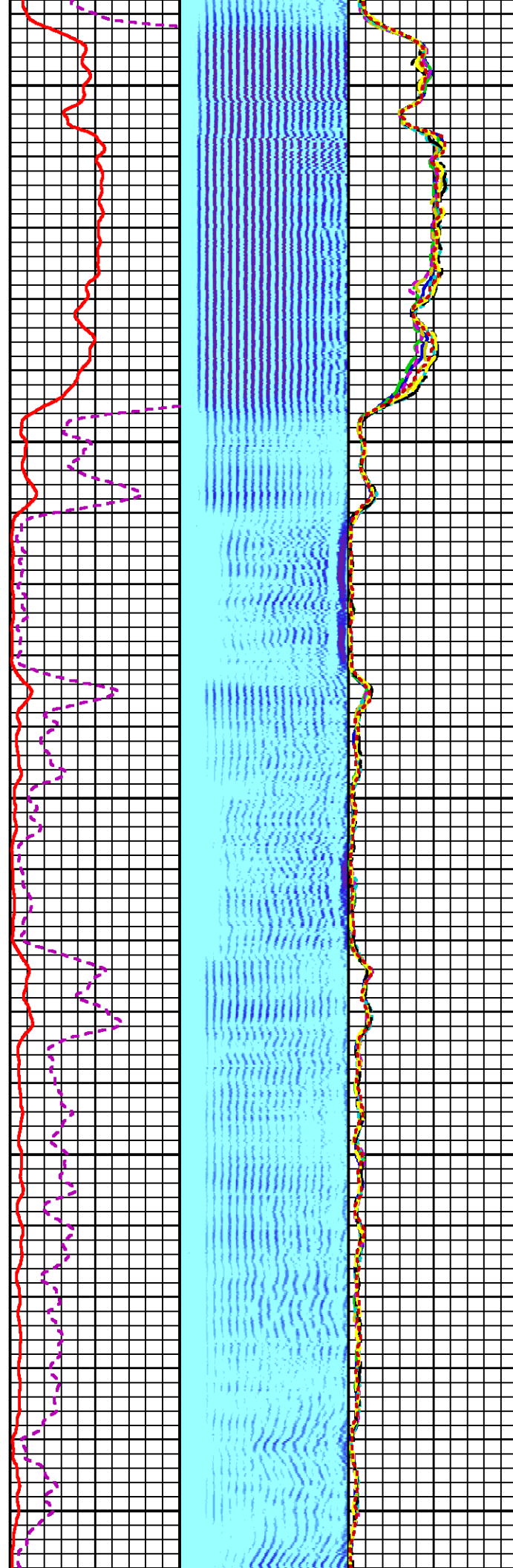
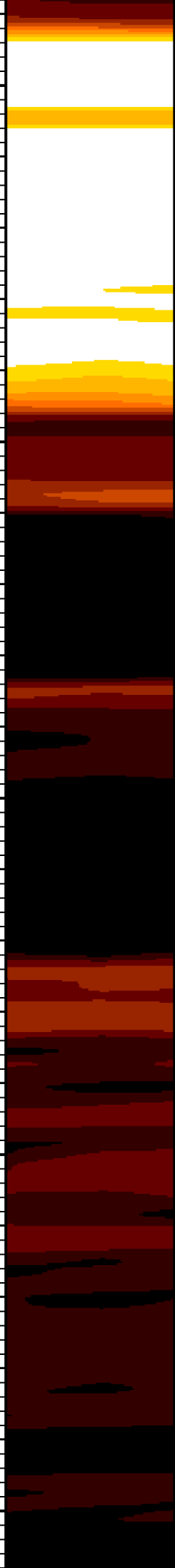


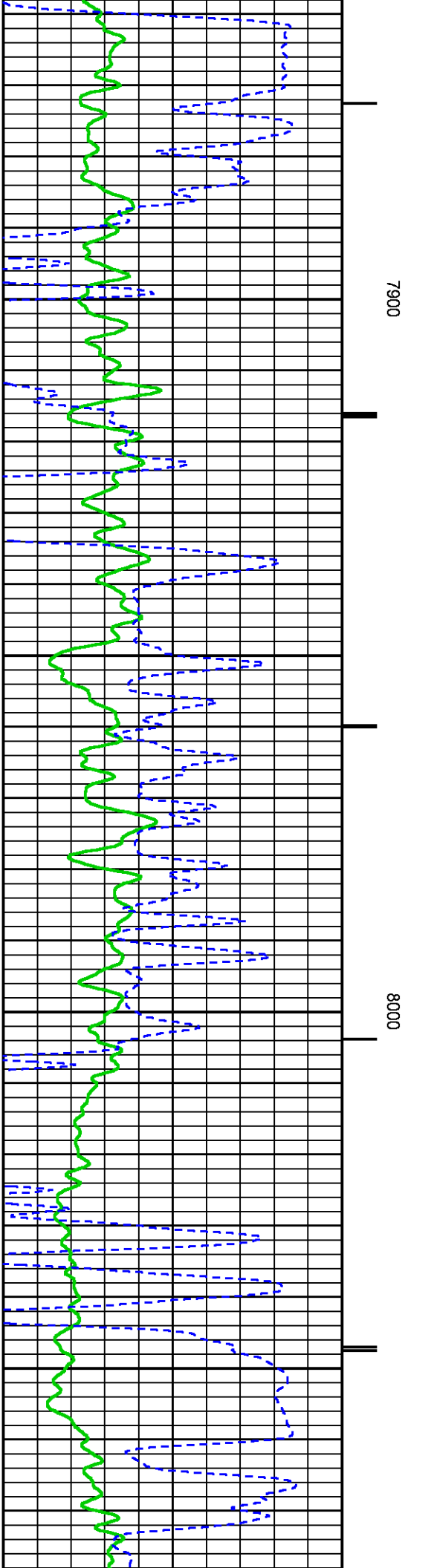
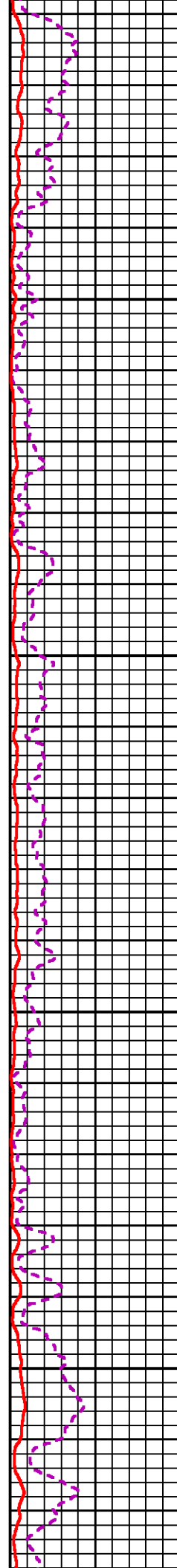
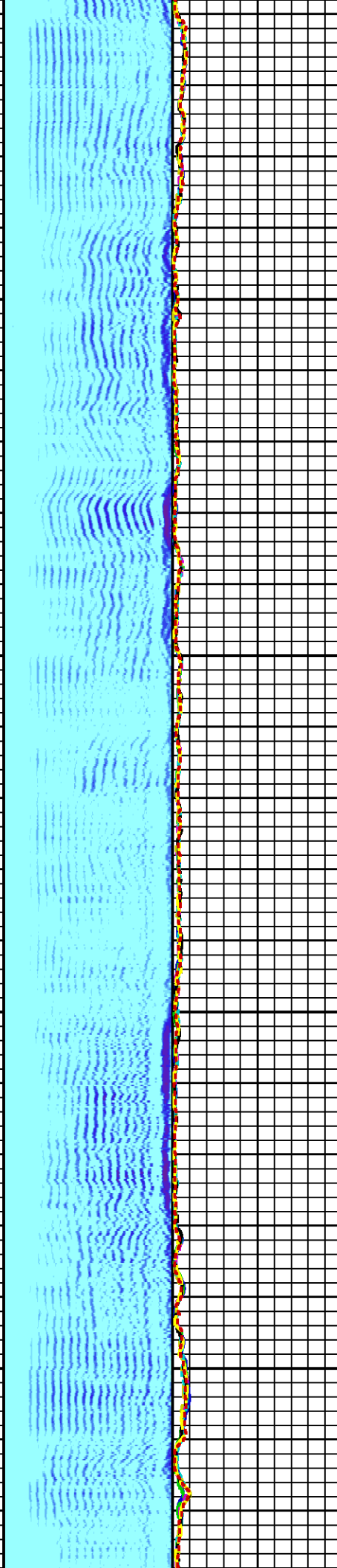
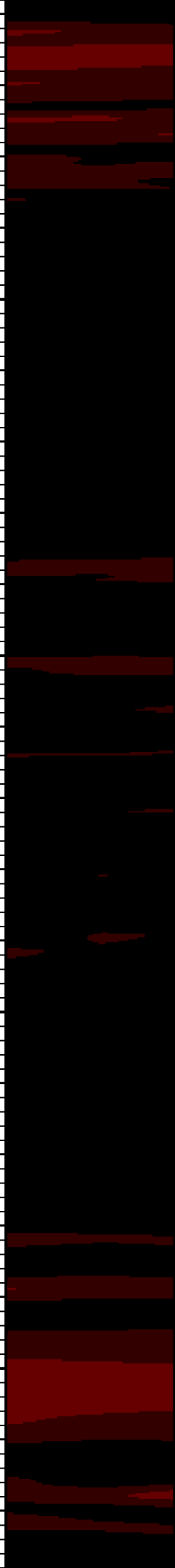


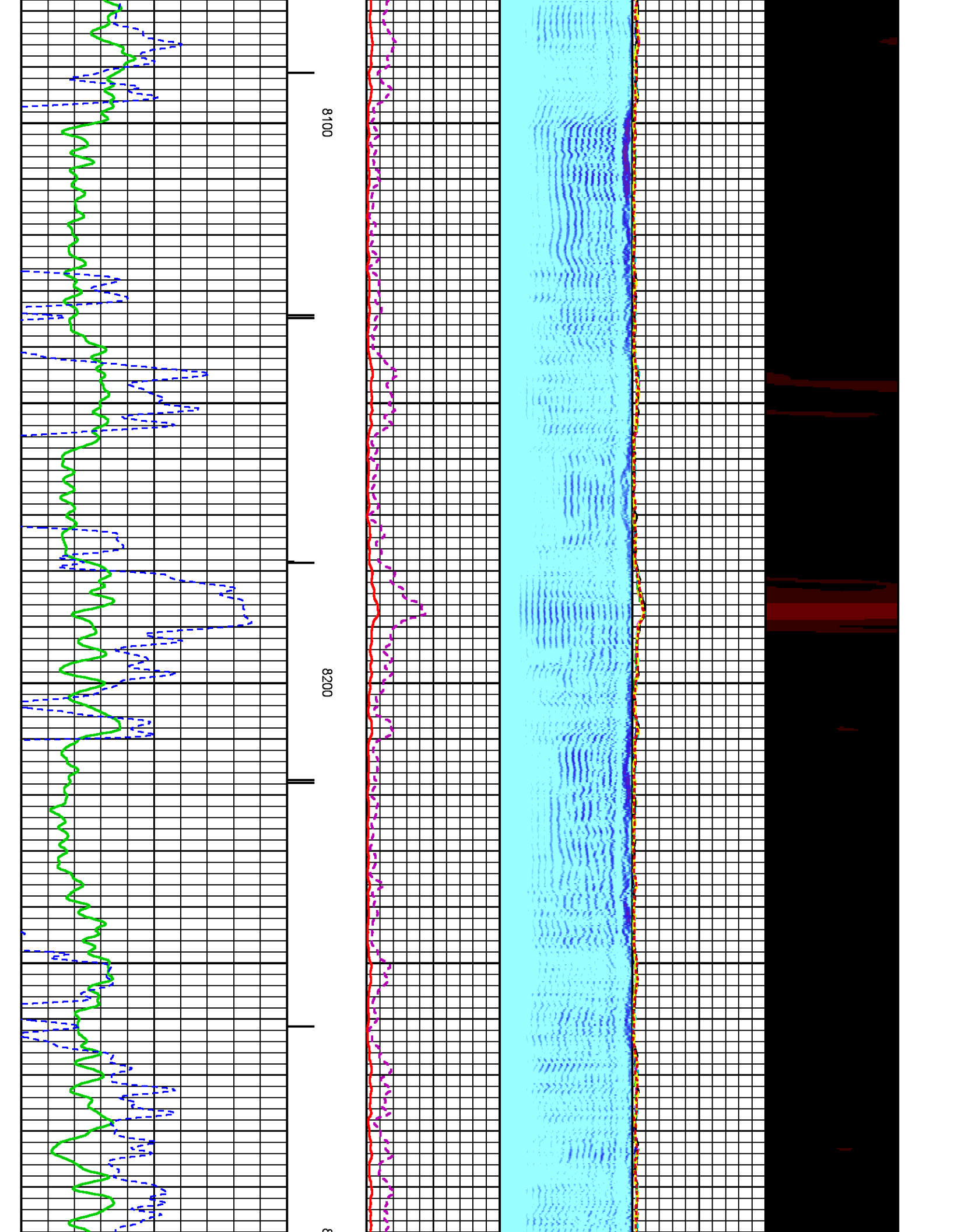


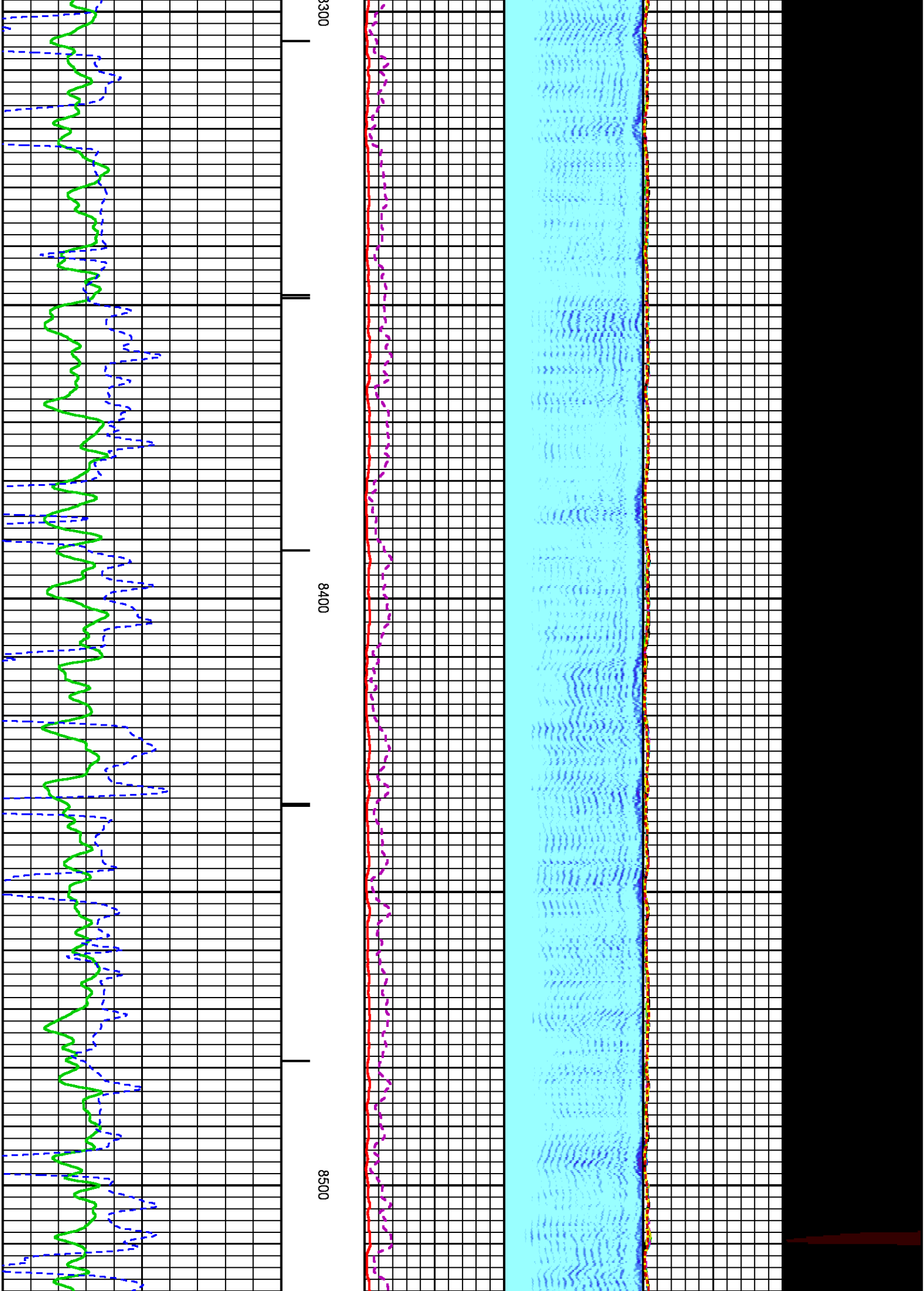


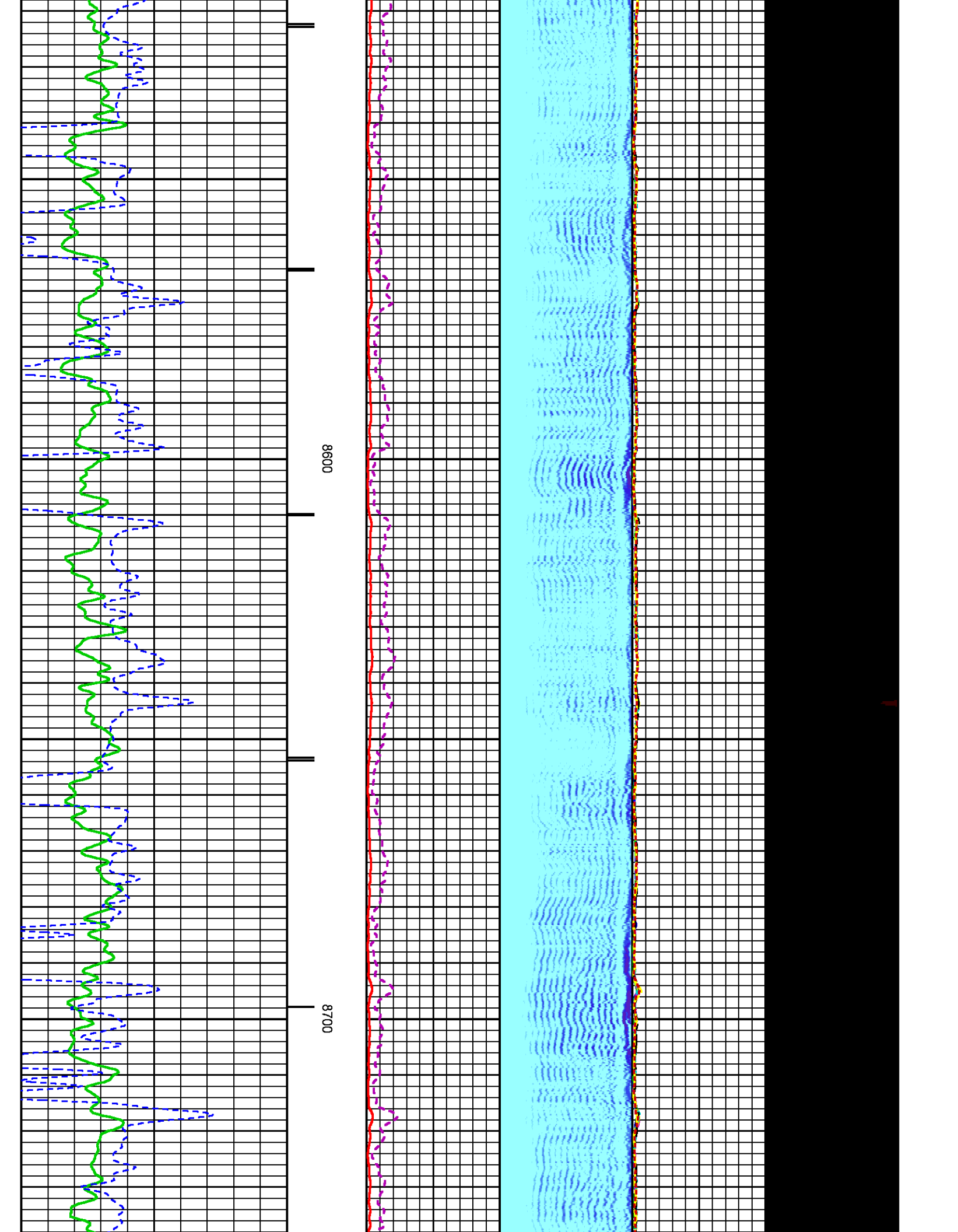


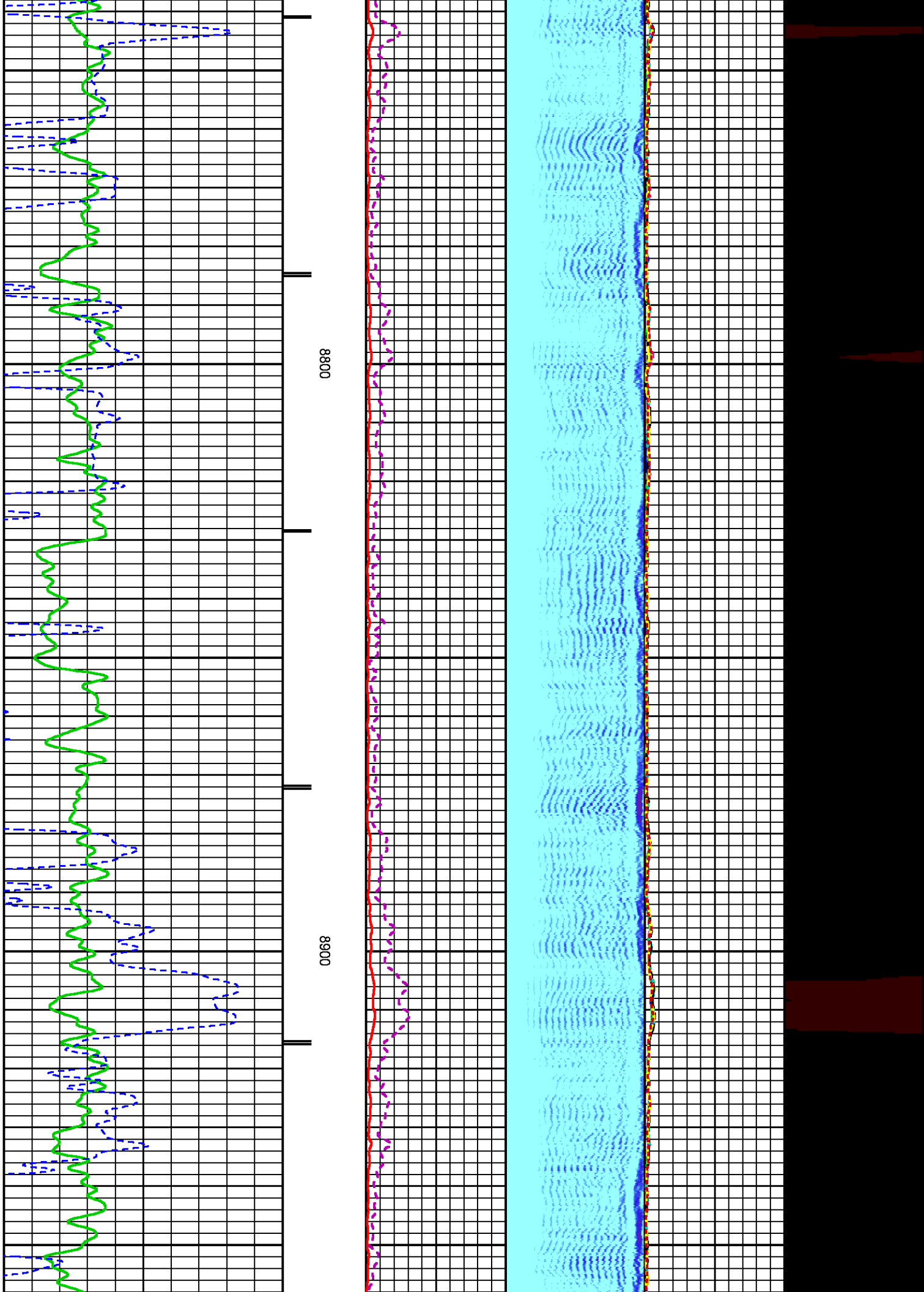


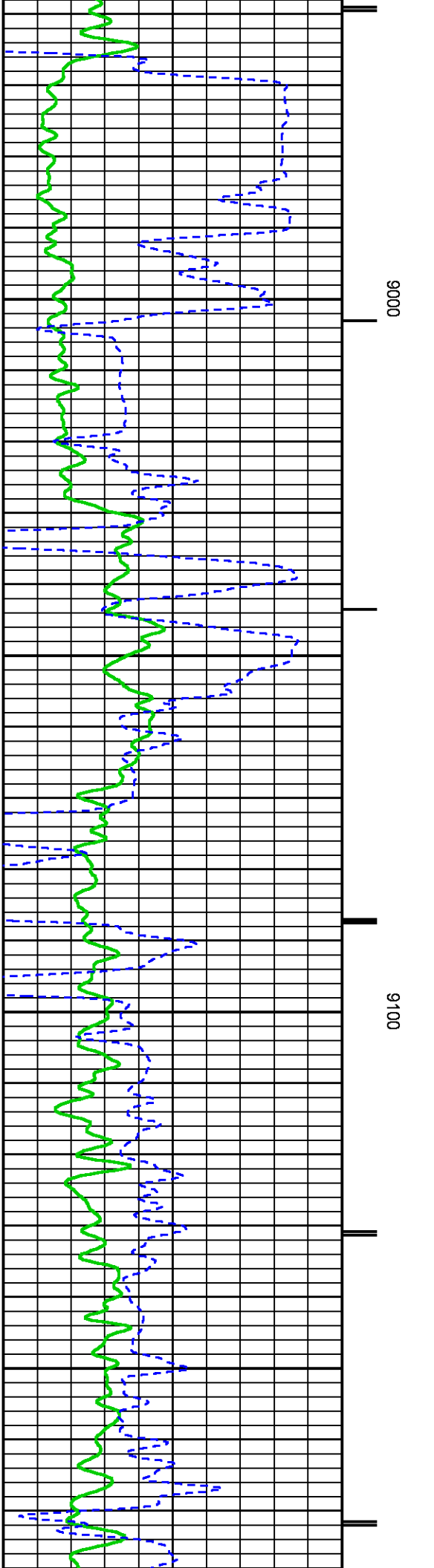
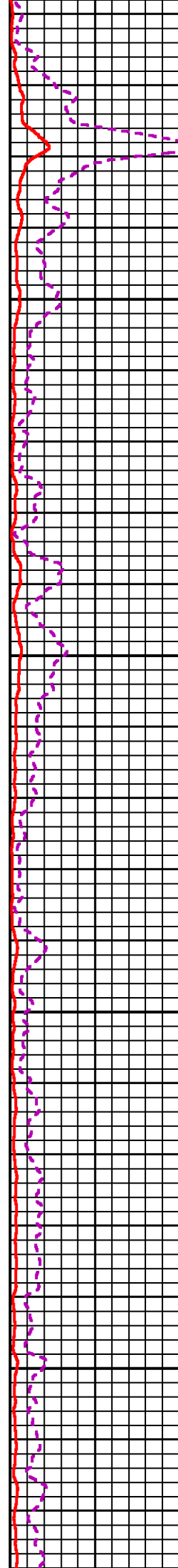
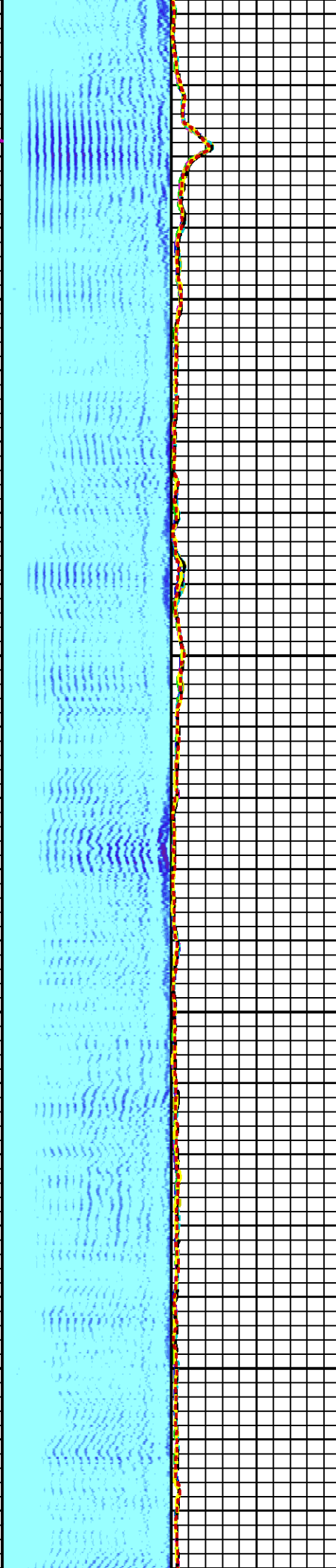
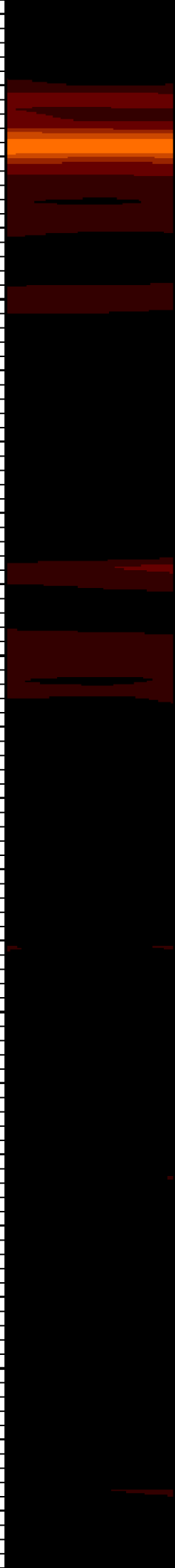


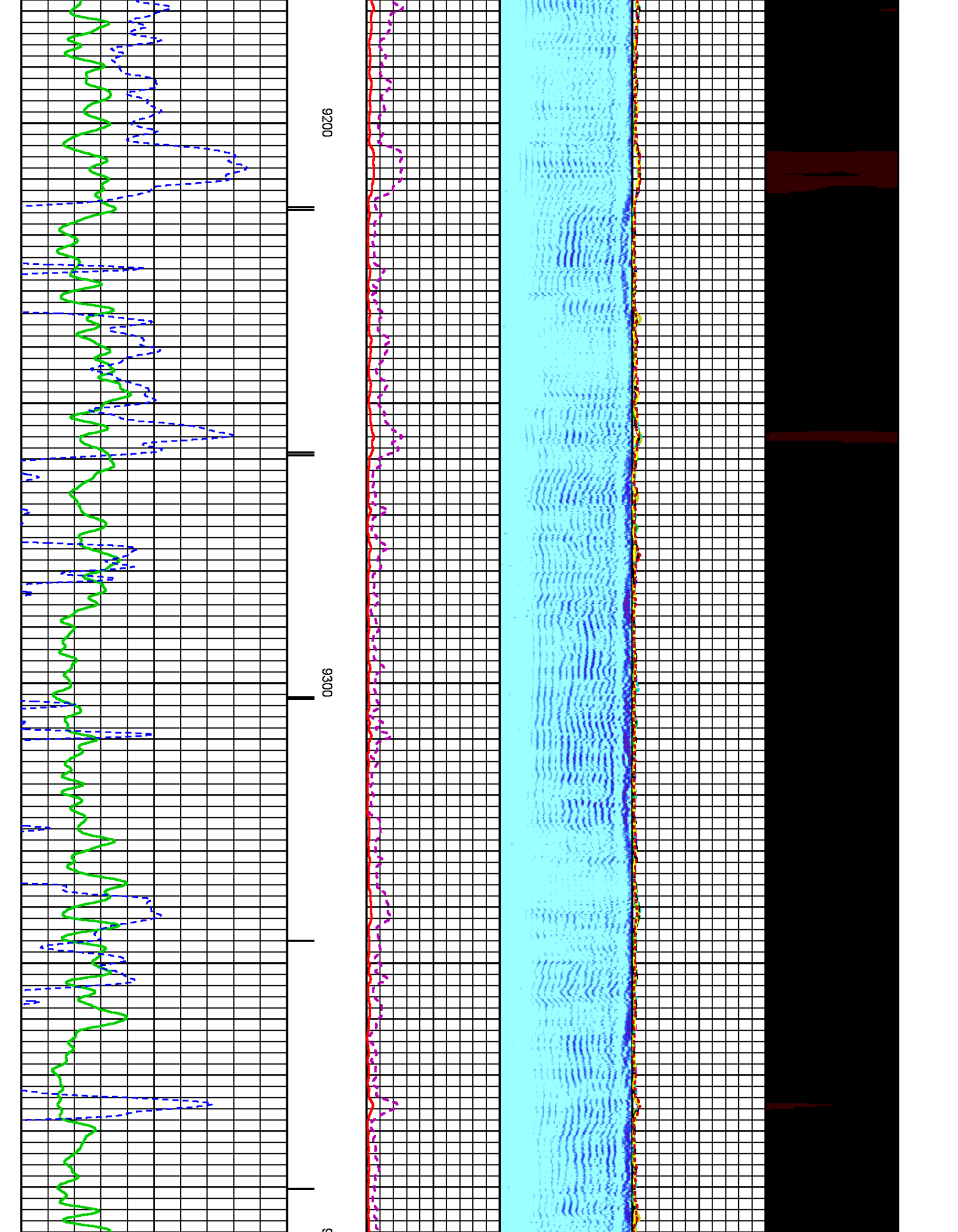


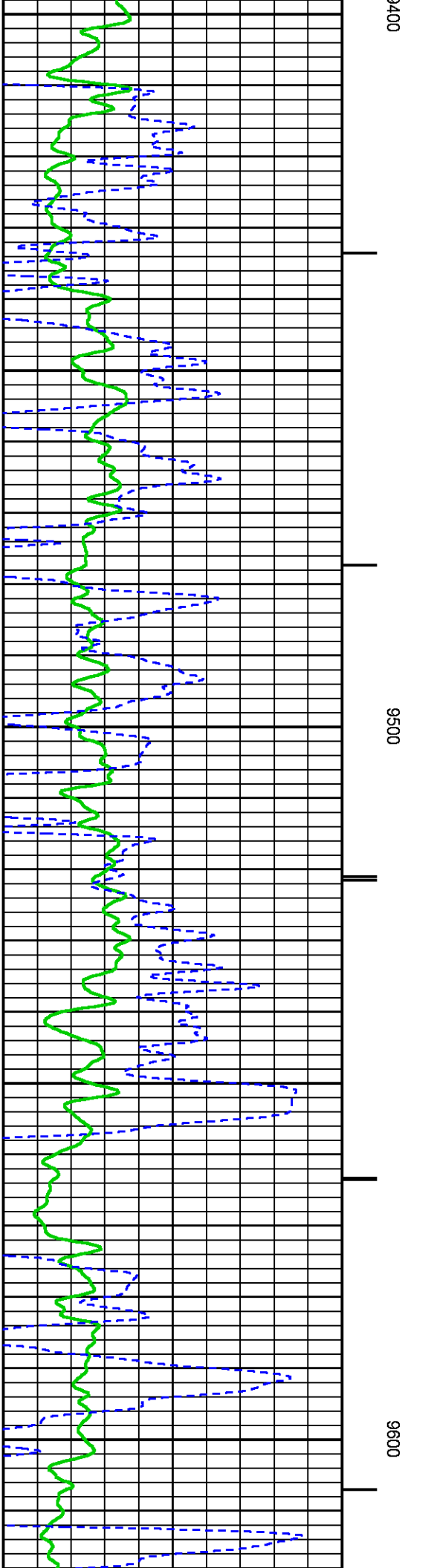
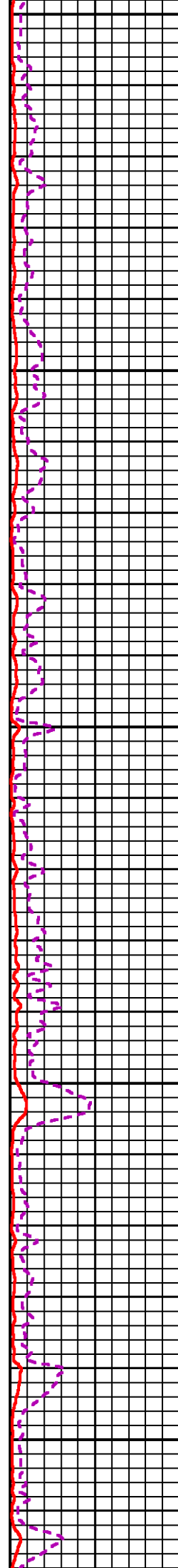
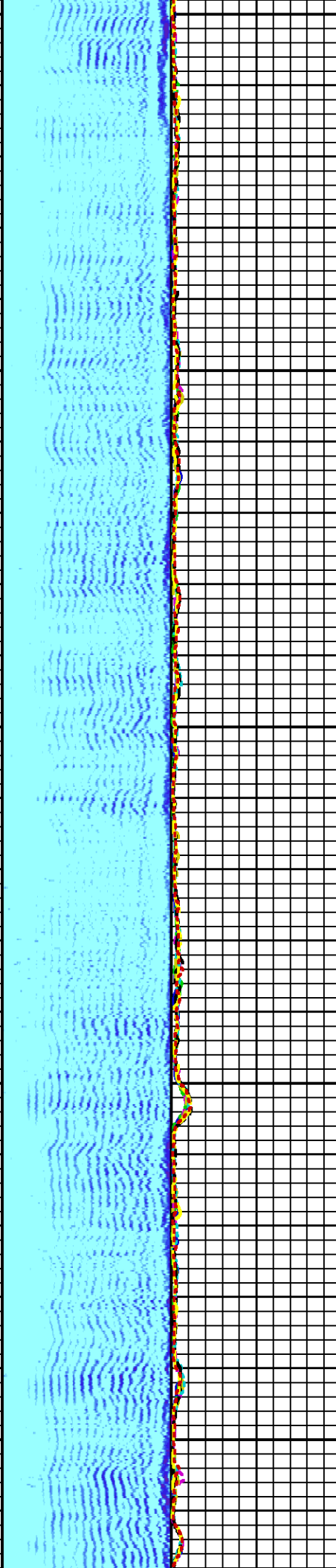


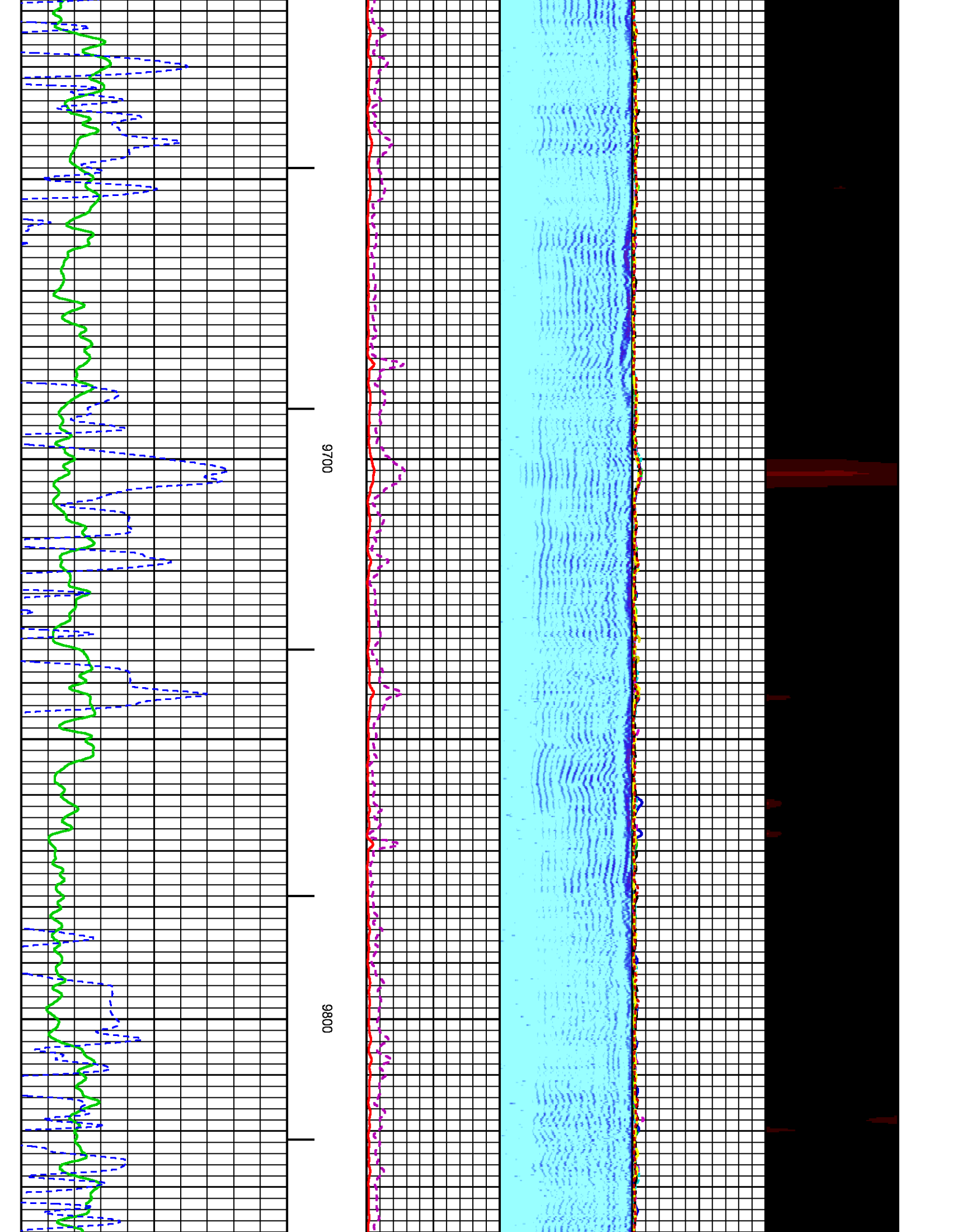


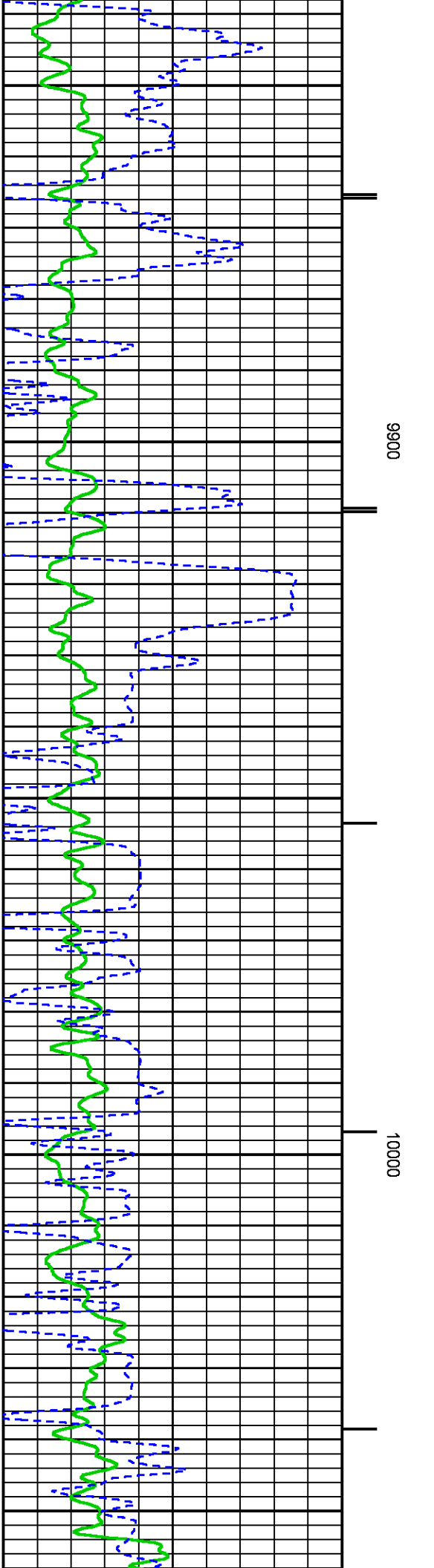
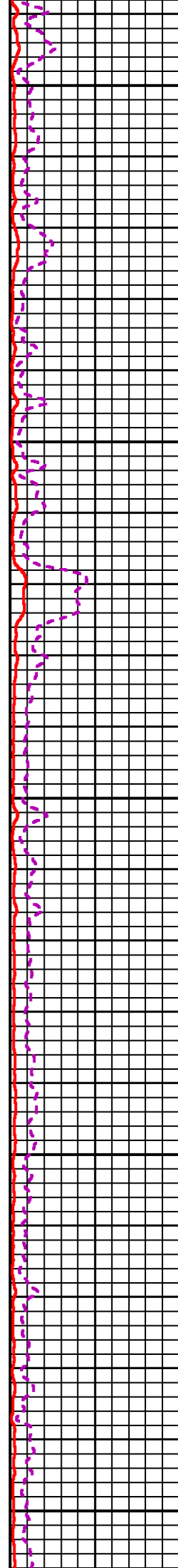
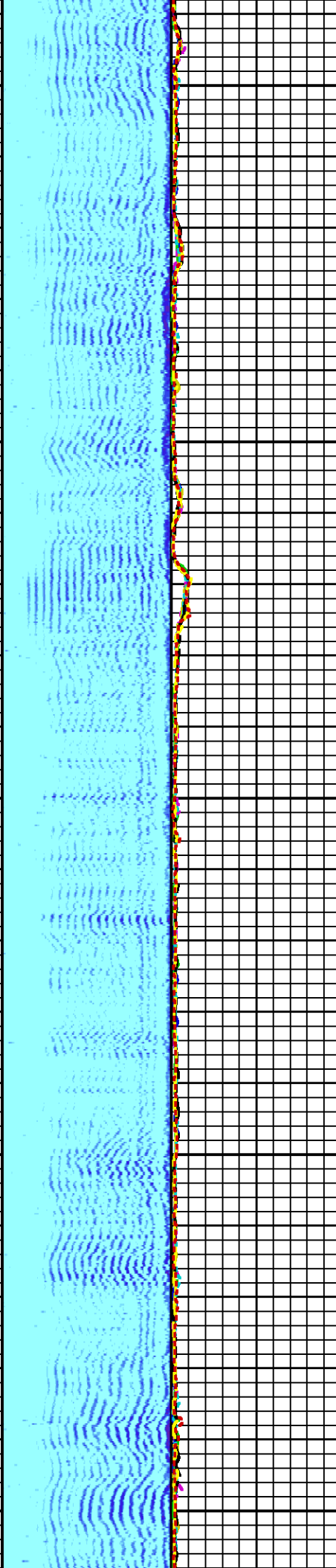






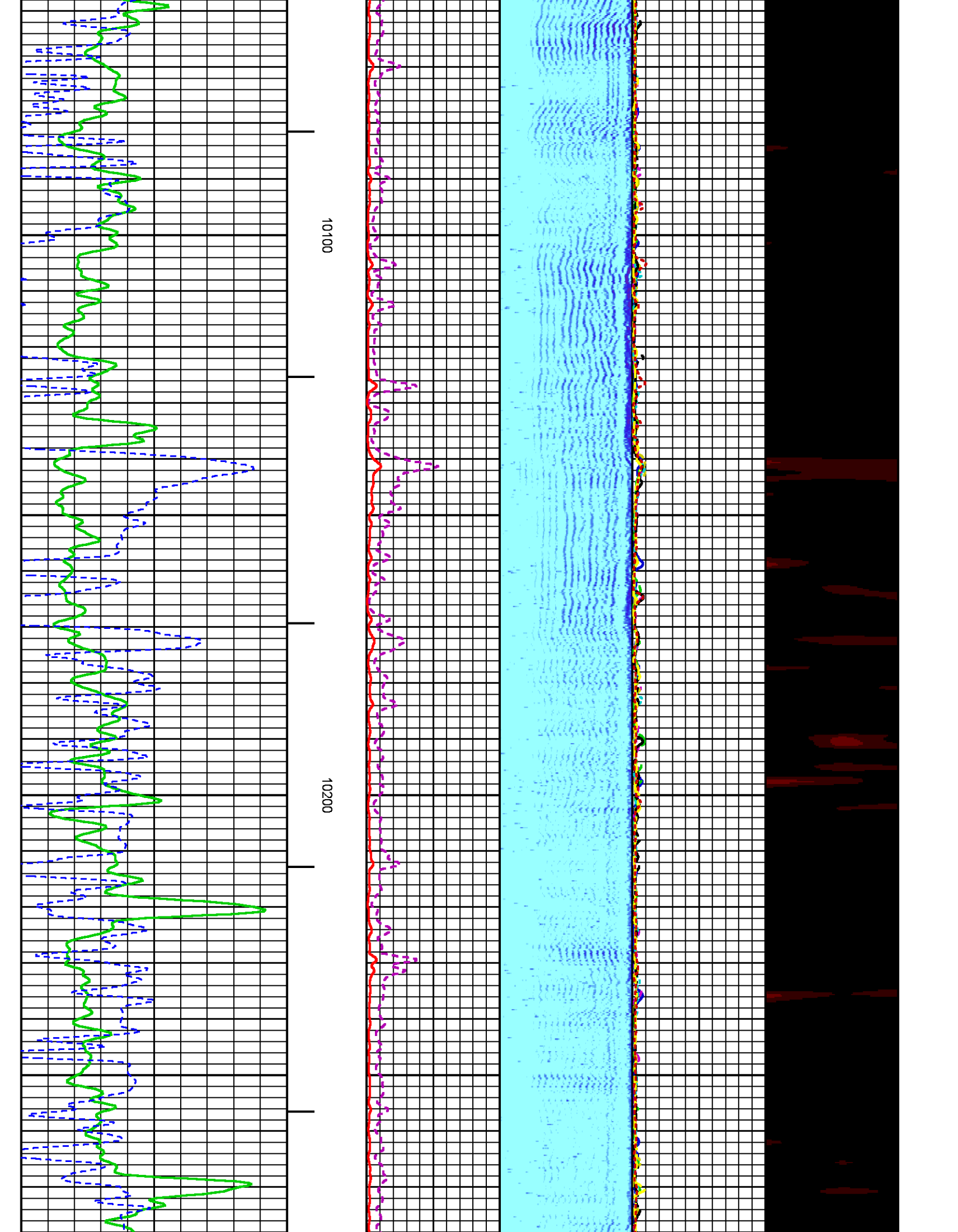


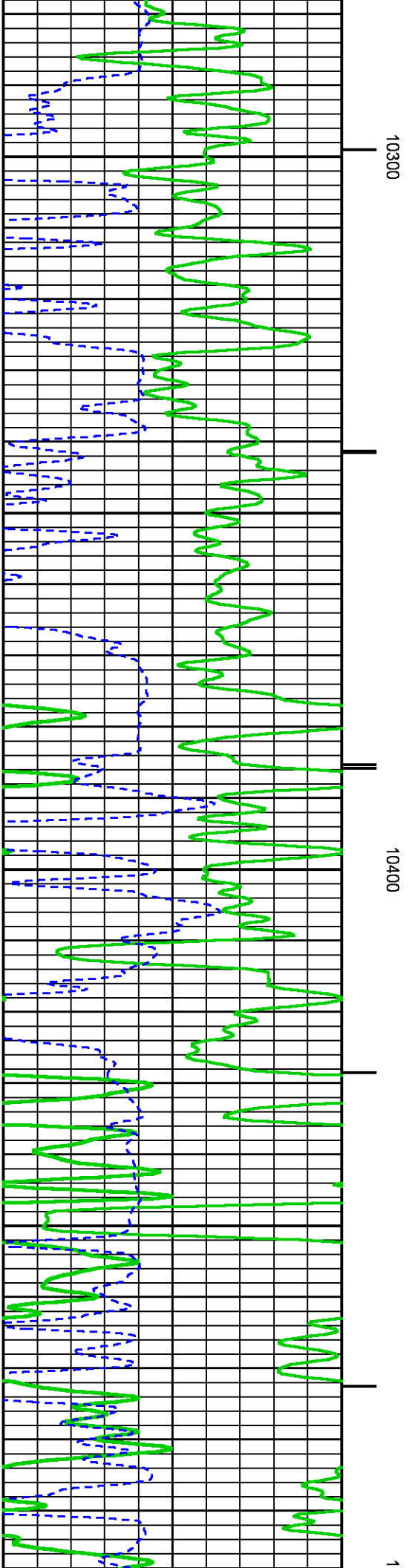
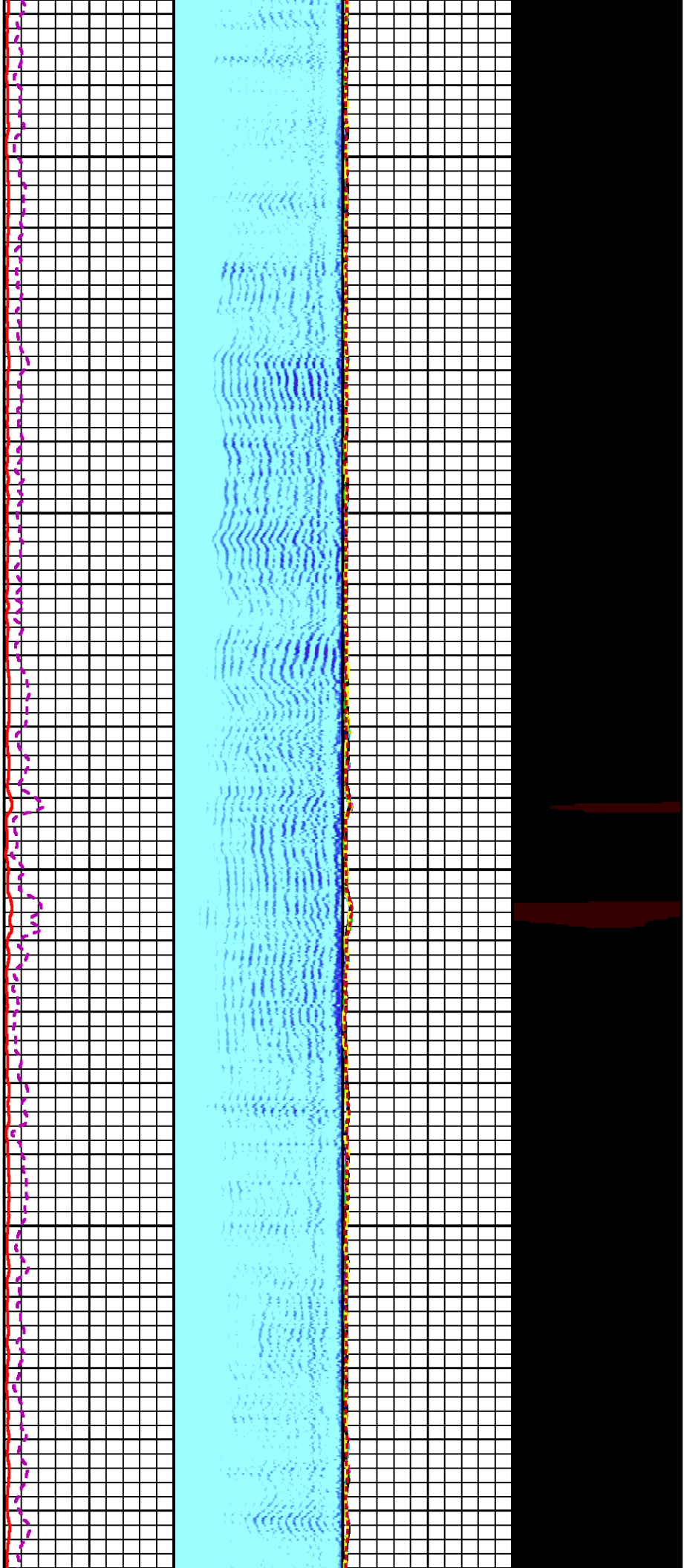


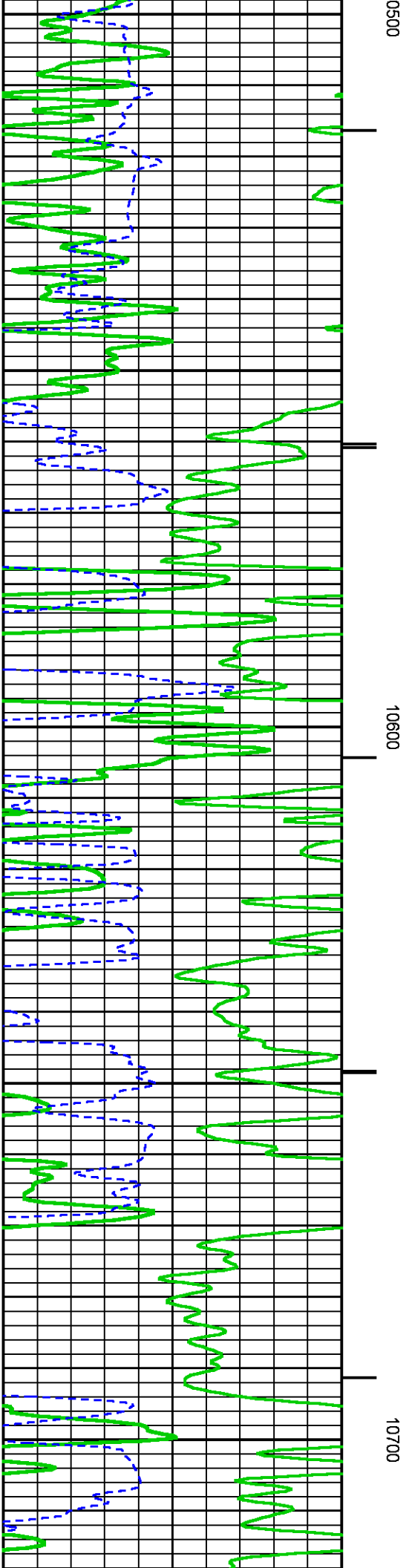
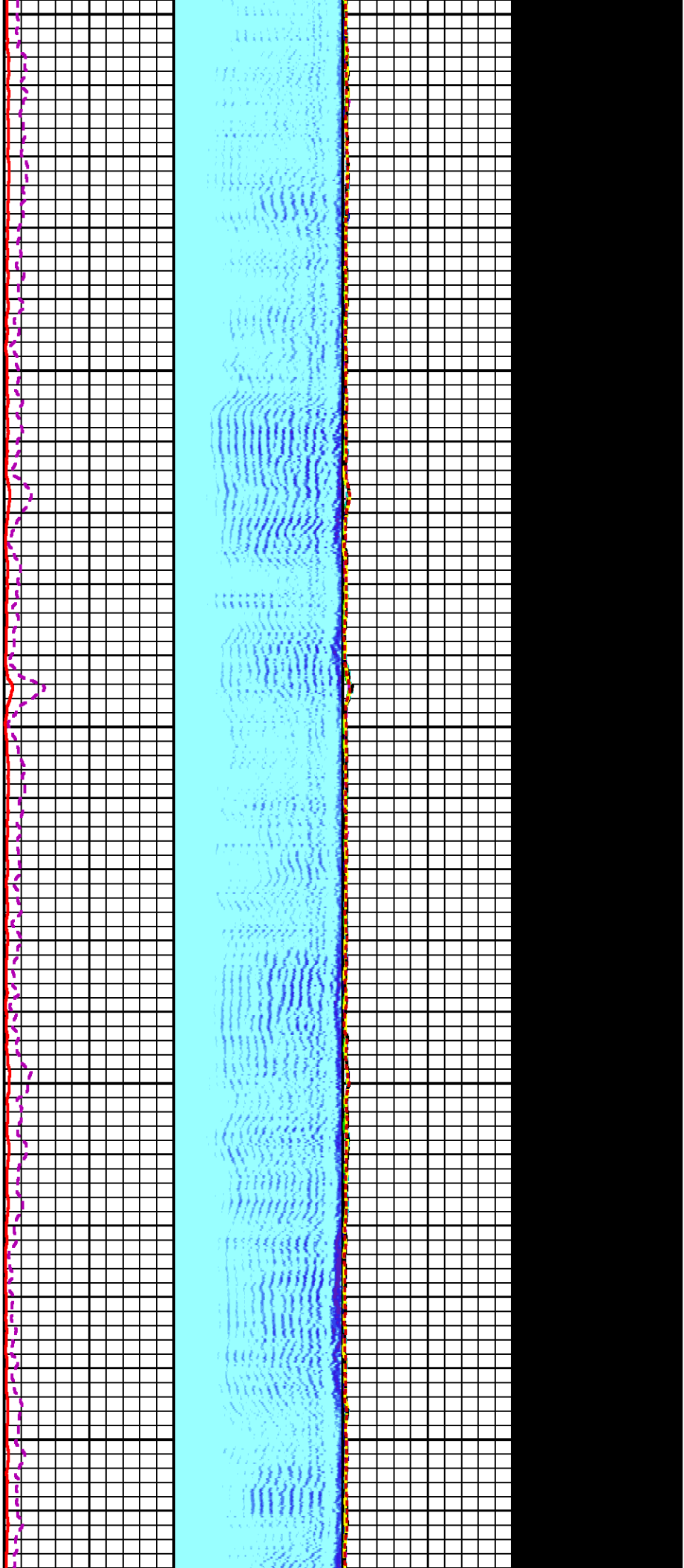


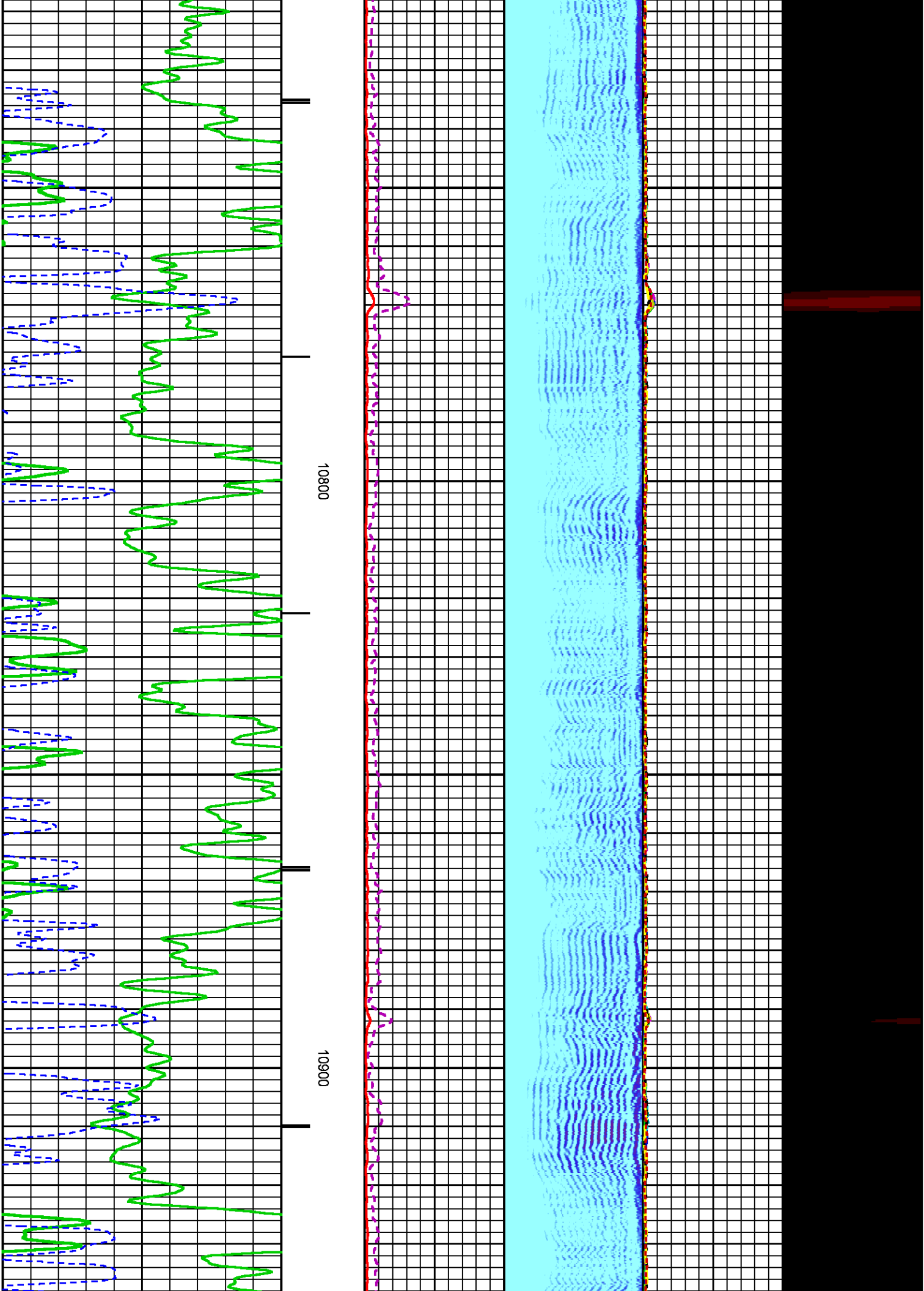
9900

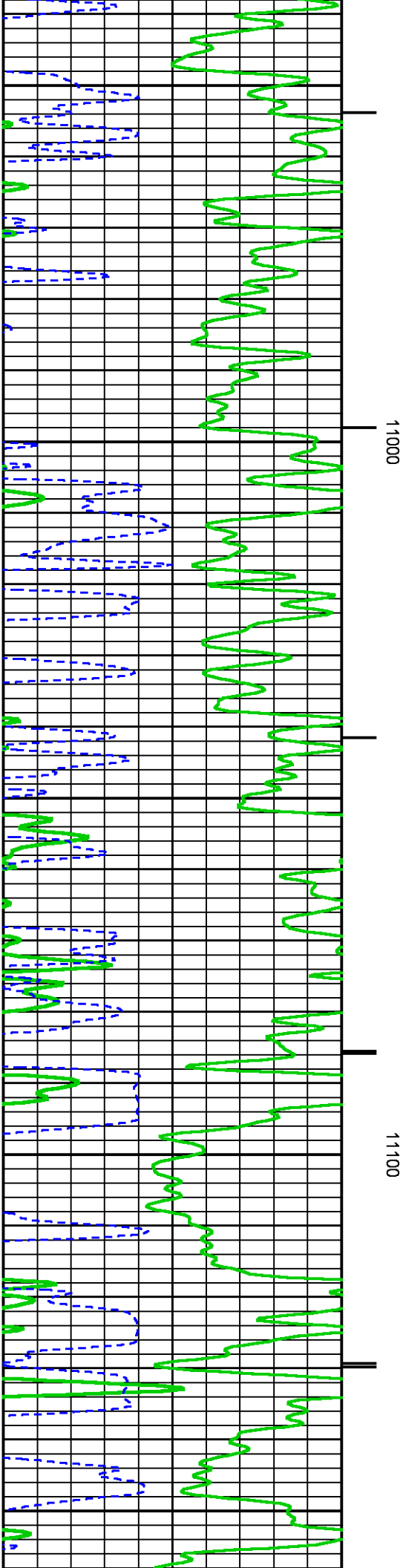
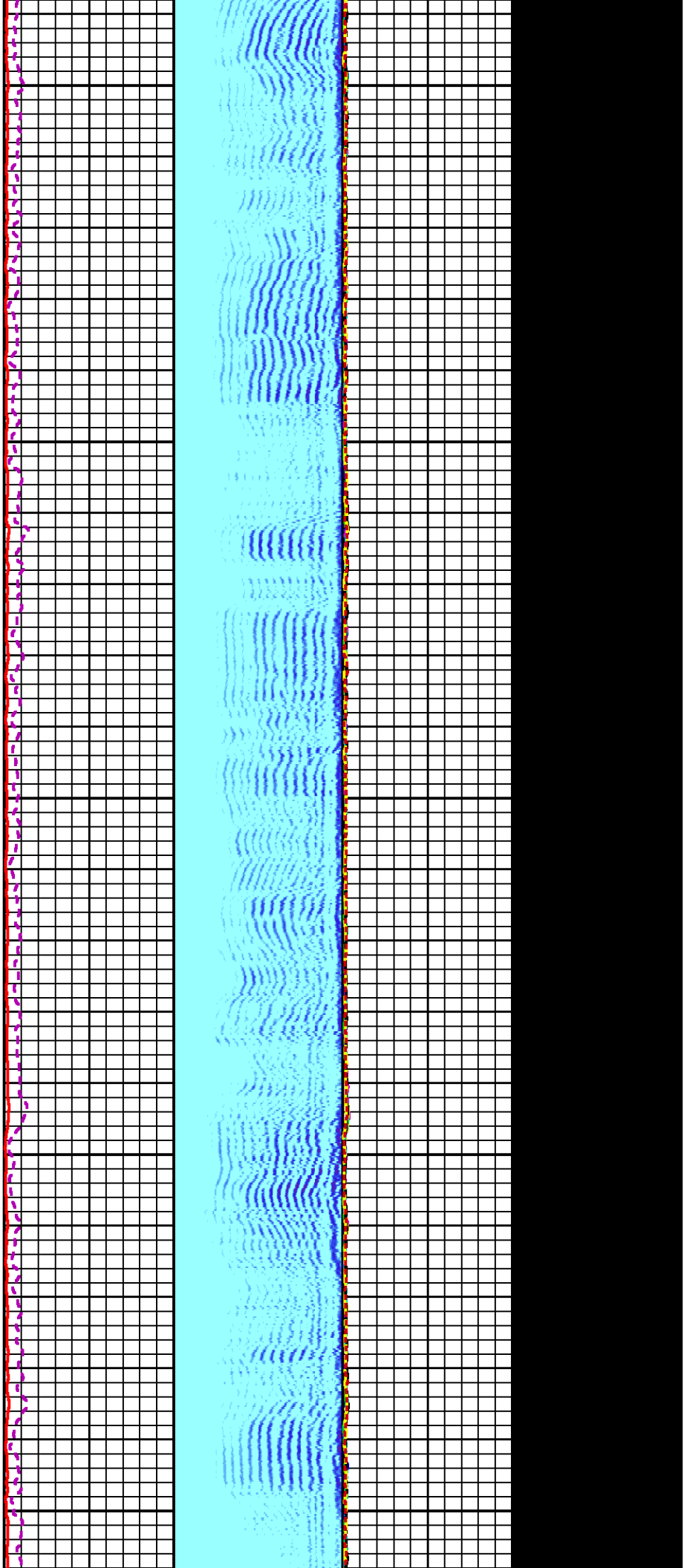
10000

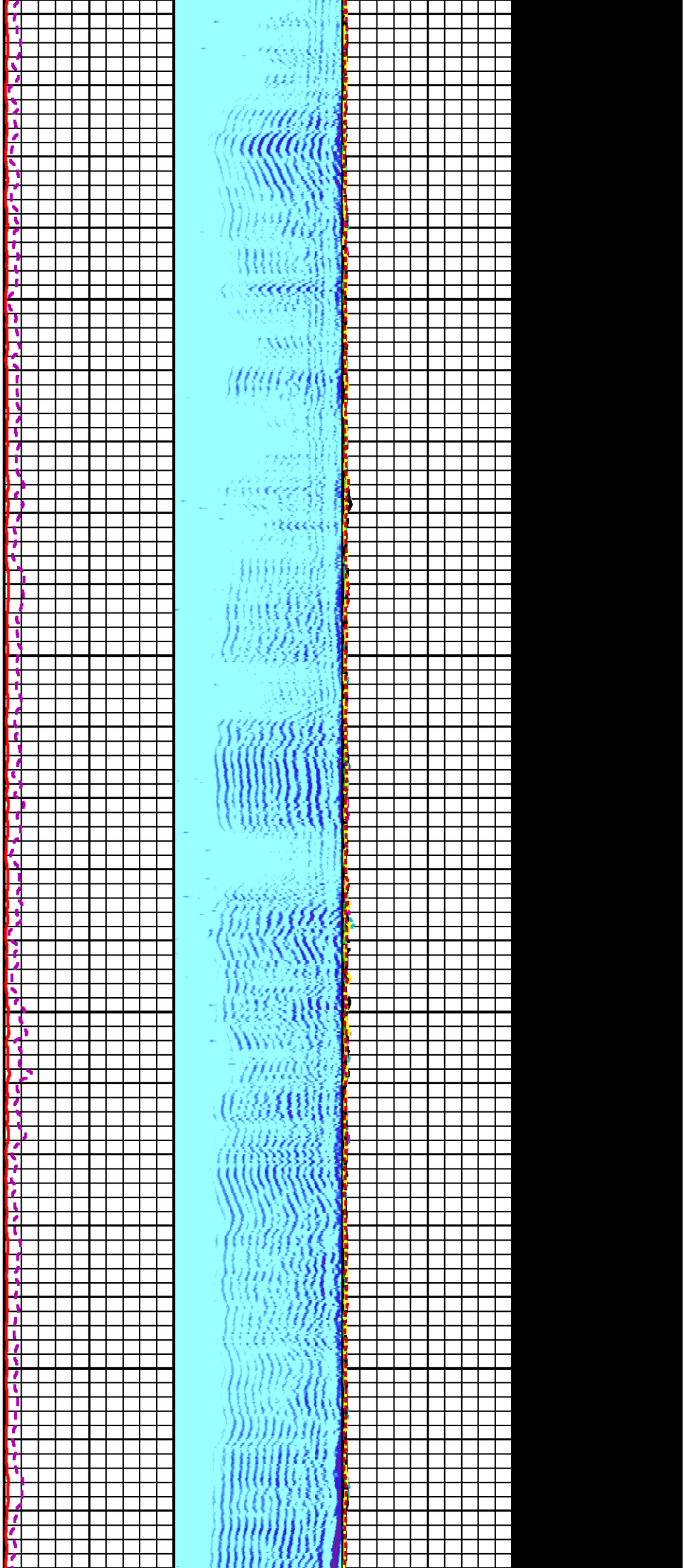






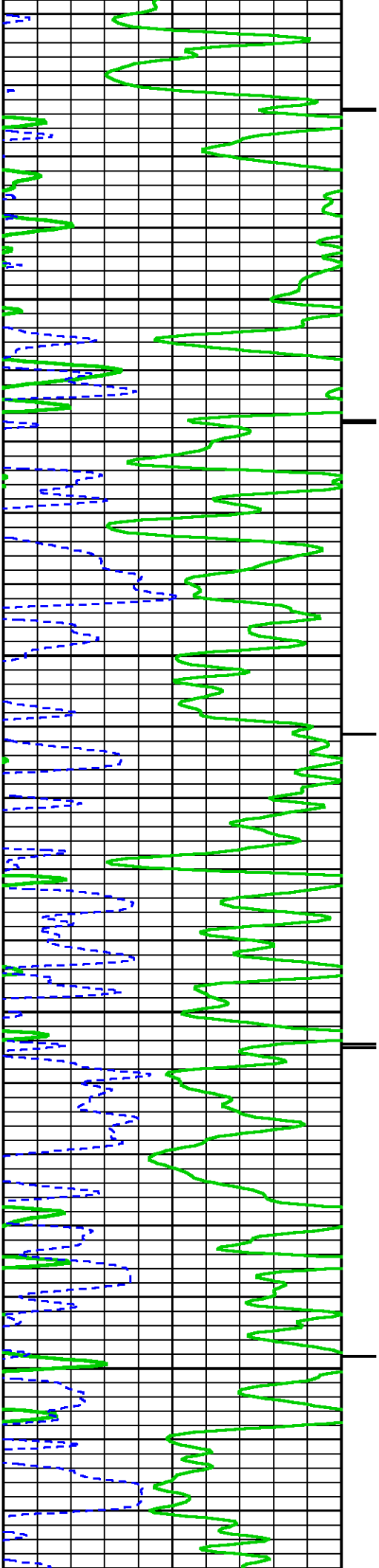


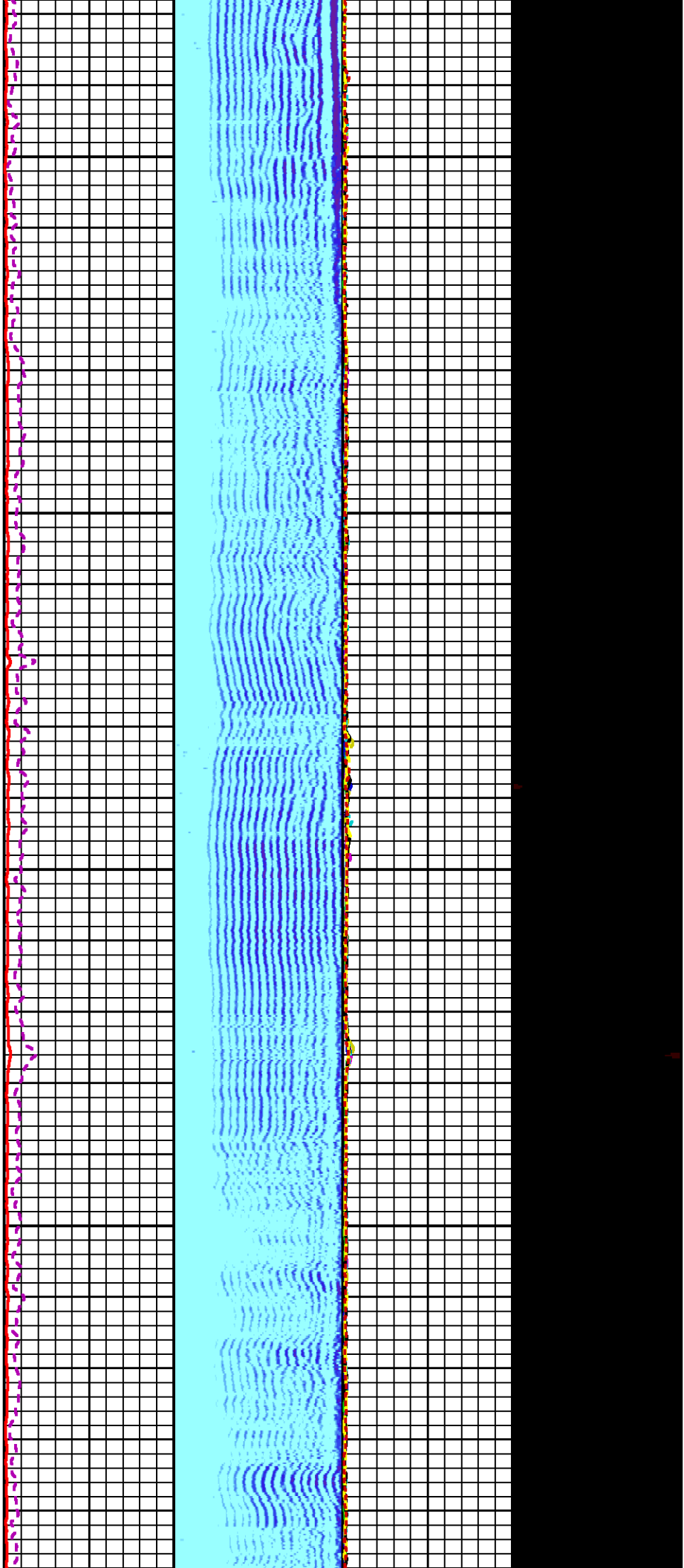




11200

11300

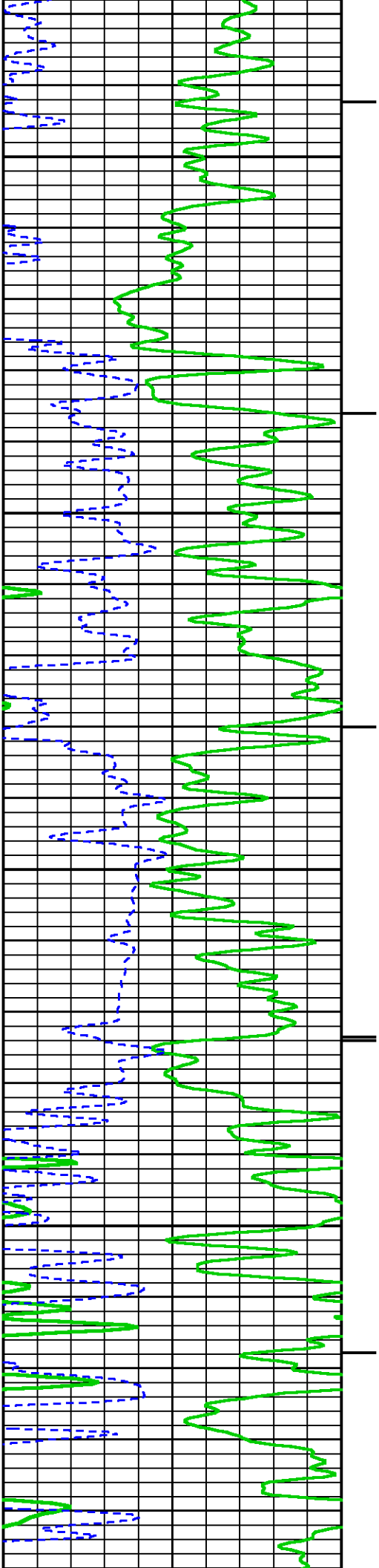


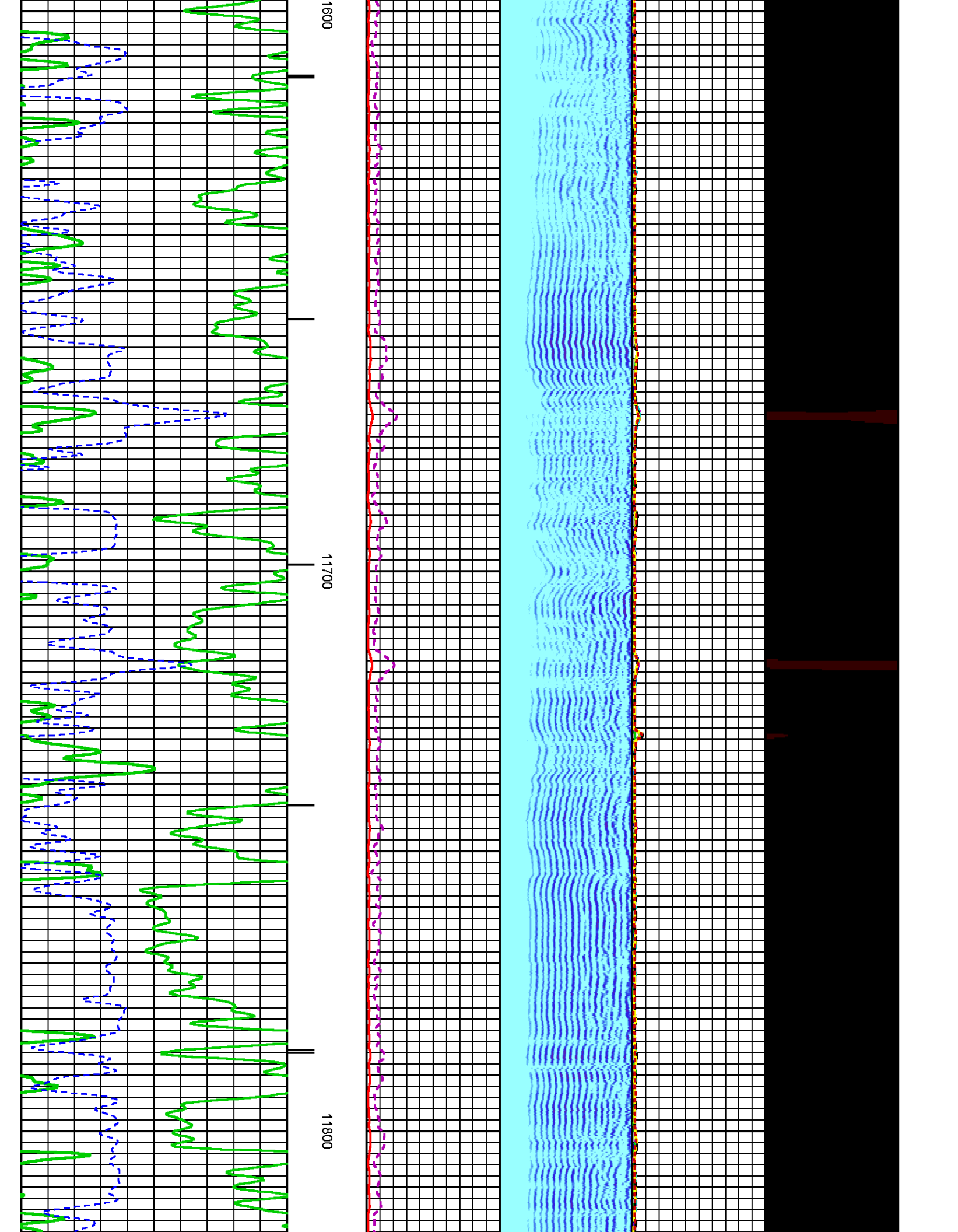


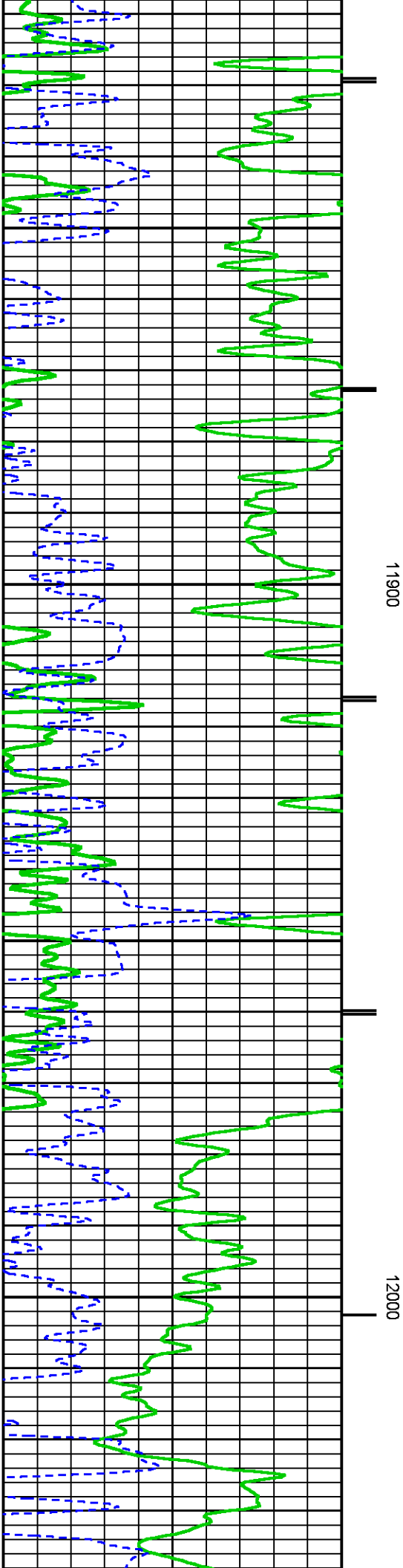
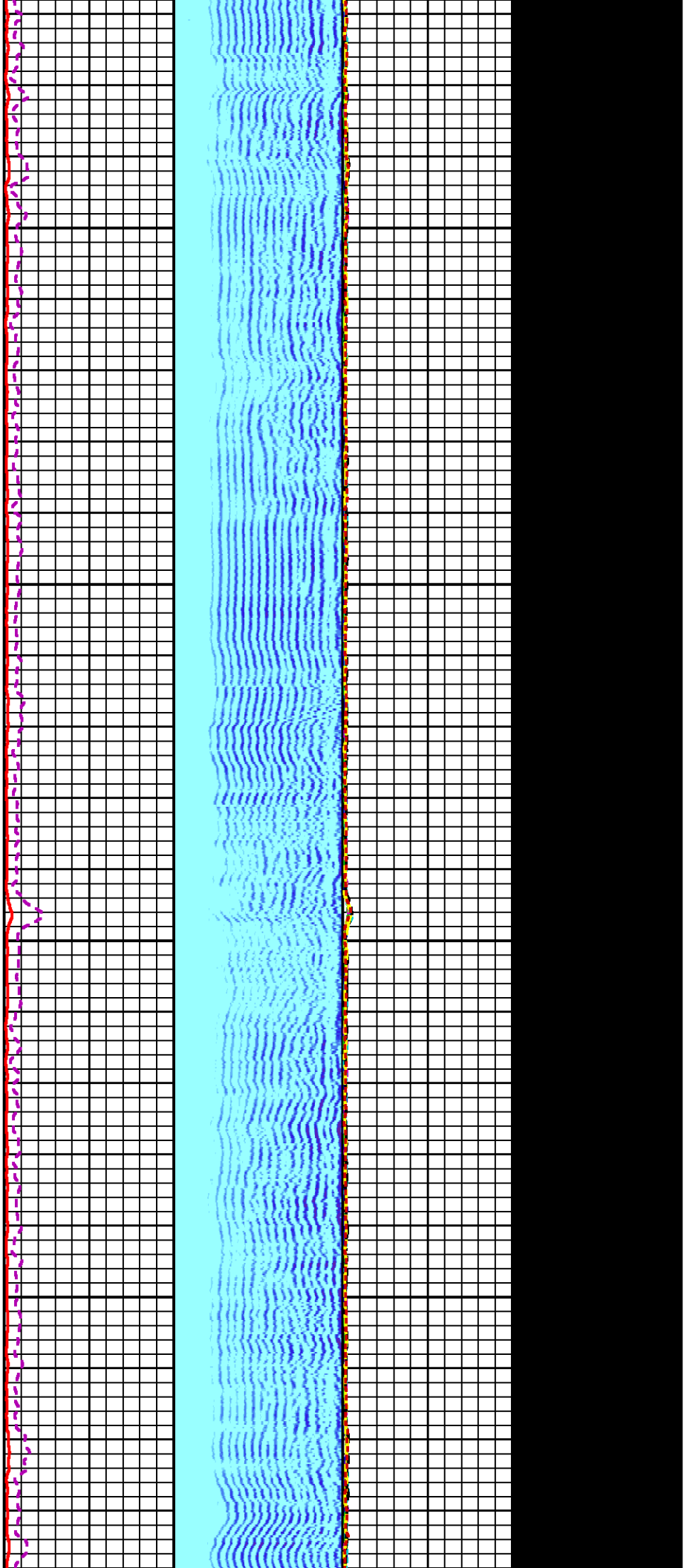
11400

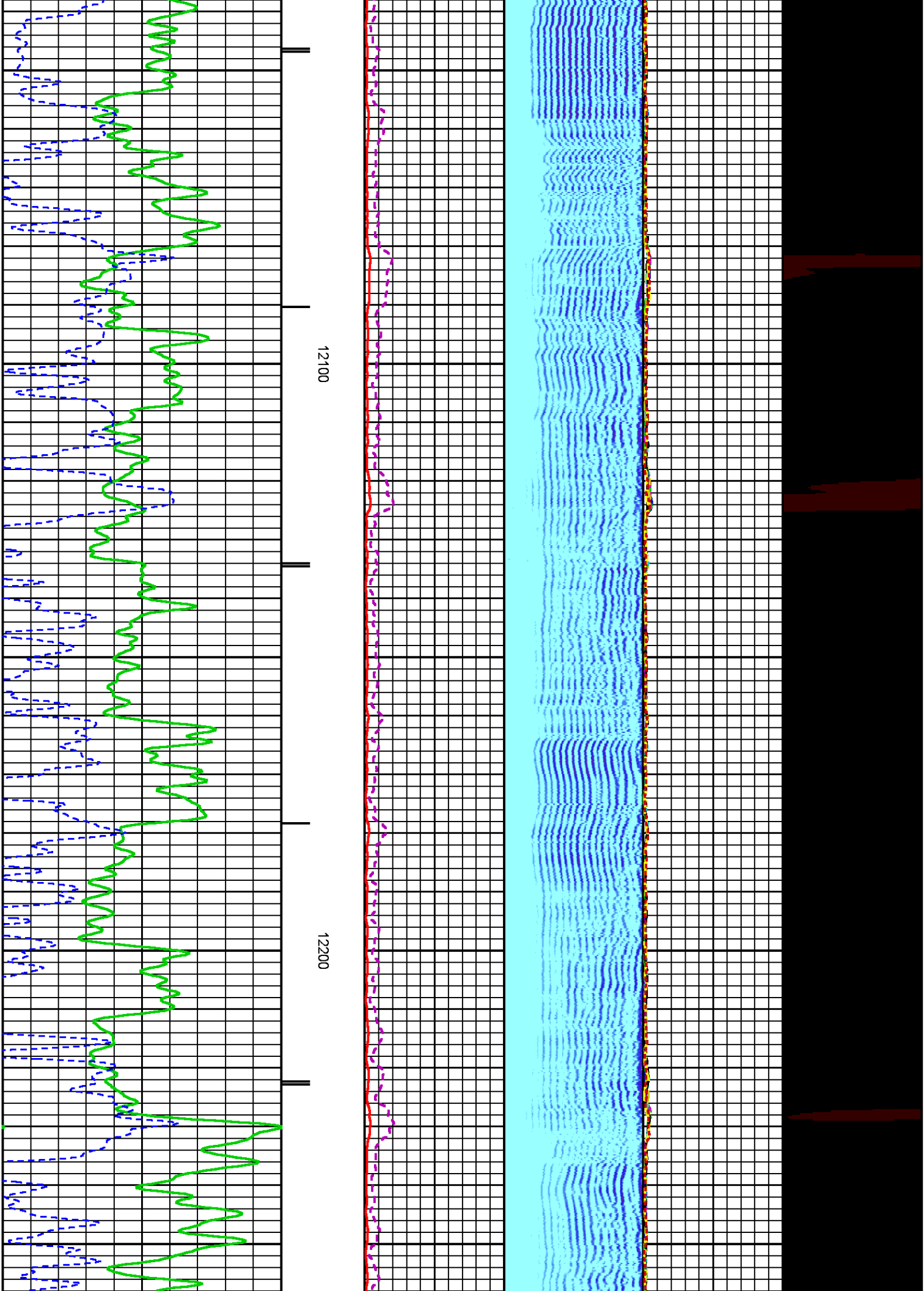
11500

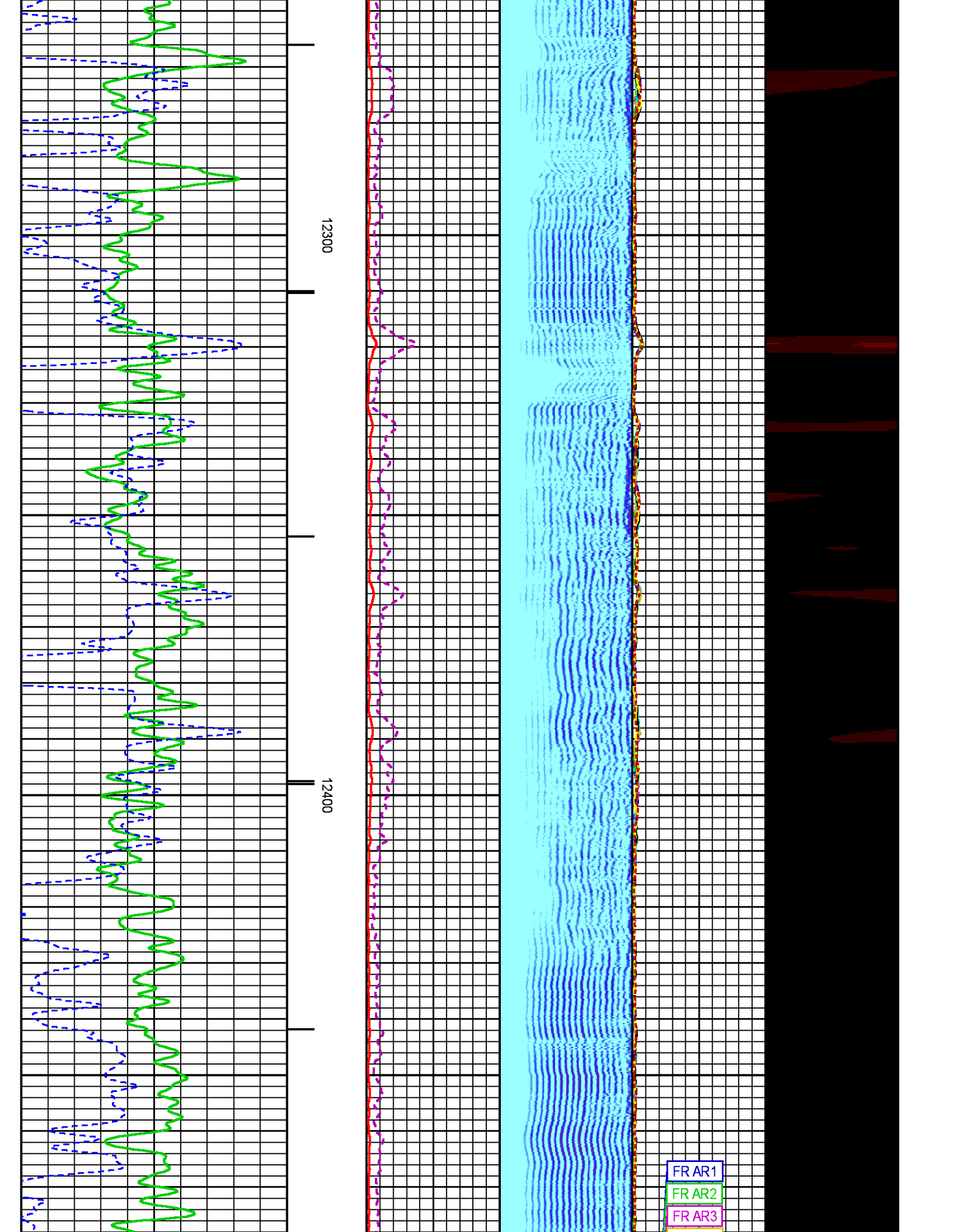
1

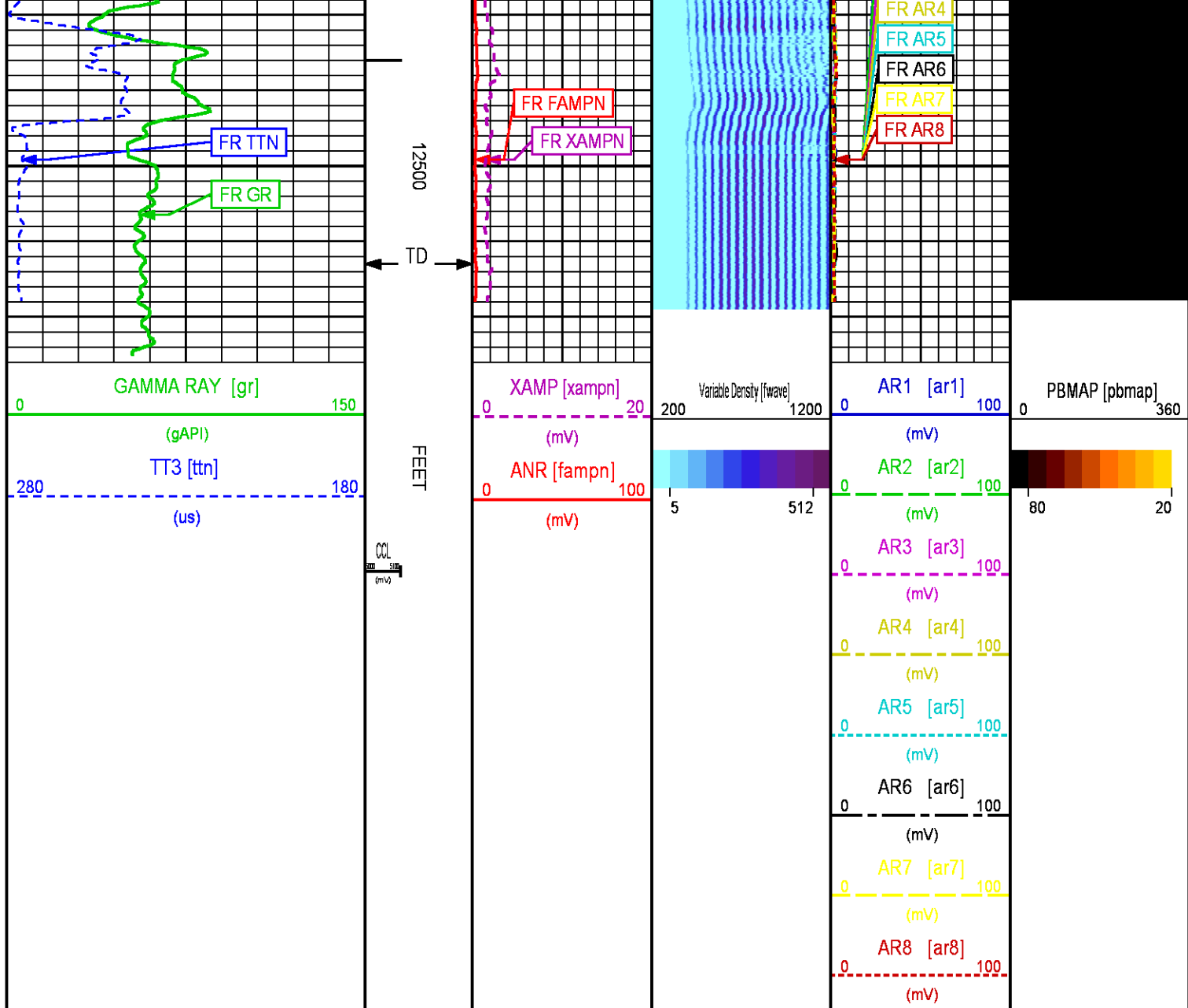












REPEAT LOG 0 PSI

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

Updates: 1 Patches: 7

Plotted: Fri May 29 11:16:42 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH096705/n012e01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 12290.500 ft BOTTOM DEPTH: 12527.500 ft

SYMMETRIC FILTER

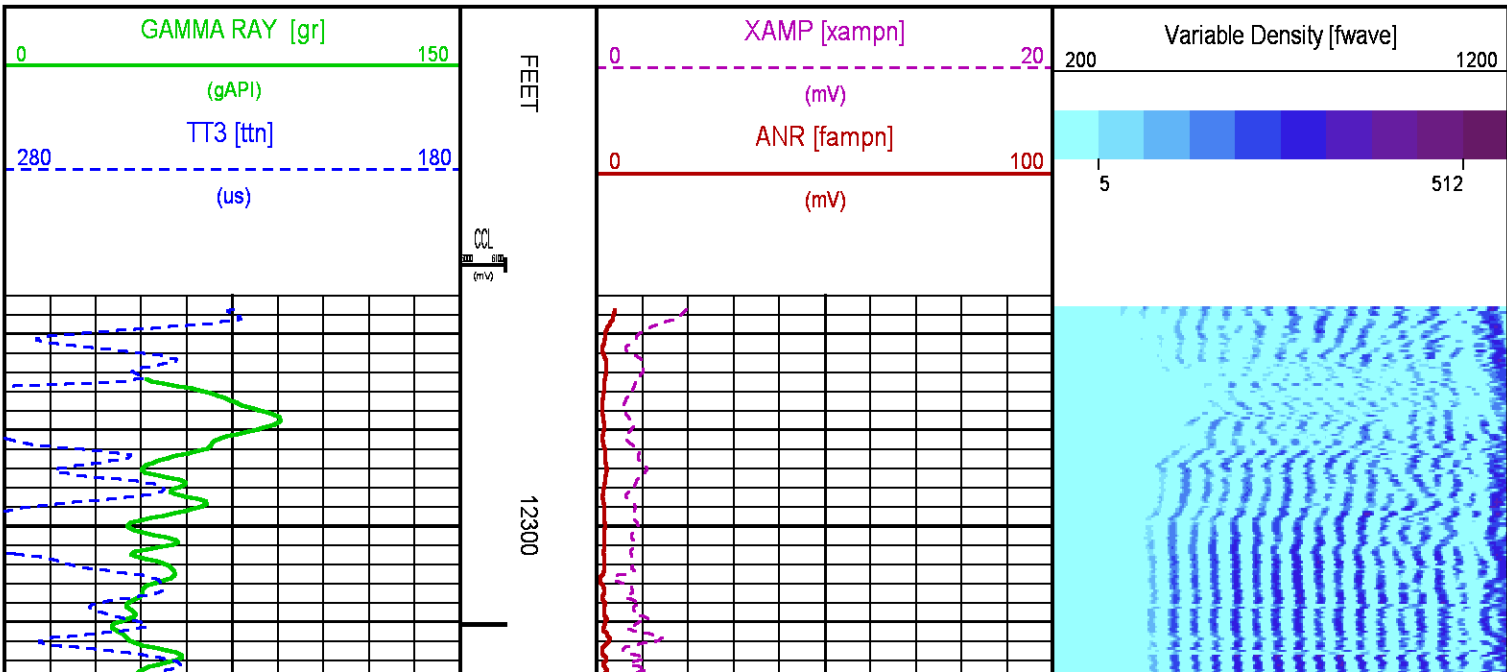
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
GR	FILTER ()	medium (1)		TOP BOTTOM
AMPLITUDE	FILTER ()	medium (1)		TOP 12304.750

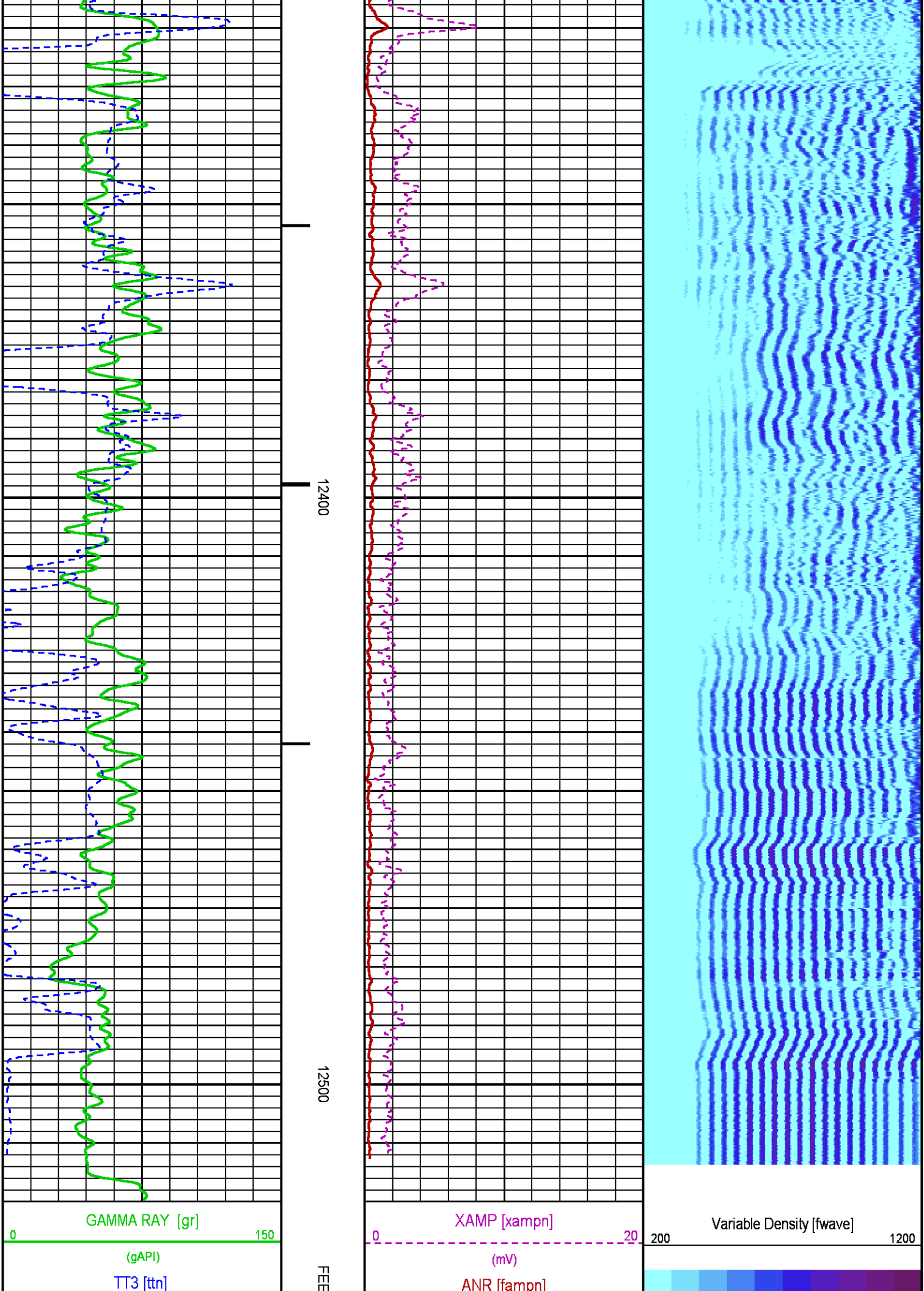
TRAVEL TIME	FILTER ()	light (2a)	12304.750	BOTTOM
		medium (1)	TOP	BOTTOM
RAL CCL PROCESSING				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
CCL FLOOR	CCL FLOOR	0		TOP BOTTOM
ANALOG RAL PROCESSING				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	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*)	-69	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	May 29 09:39:39 2015	CASING COLLAR LOCATOR
F1:FAMPN	May 29 09:39:39 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	May 29 09:39:39 2015	FAR WAVE FORM
F1:GR	May 29 09:39:39 2015	GAMMA RAY
F1:TTN	May 29 09:39:39 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	May 29 09:39:39 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	: cas6685:/dat1a/CH096705/REPEAT_ral_cbl.fvpdf [5"/100' Scale]
Plot Interval	: 12277.2 - 12526 Feet
Data File 1	: F1 : cas6685:/dat1a/CH096705/n012e01_REPEAT.xtf
Created On	: May 29 09:39:39 2015
Company	: WPX ENERGY
Well	: FEDERAL RGU 443-26-198
Field	: SULPHUR CREEK
File Interval	: 12276.2 - 12527.5 Feet
OCT	: n012e





280	(us)	180	0	(mV)	100	5	512
-----	------	-----	---	------	-----	---	-----

CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH096705/m012e.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10417452

DATE/TIME PERFORMED: Fri May 29 08:45:37 2015

UNIT #: 3885TC 6685

	NEAR	RADIAL	FAR
	(mV)	(mV)	(mV)
TARGETS	100.00	100.00	150.00

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
ZERO (mV)	-0.15	-0.03	-0.04	0.00	-0.09	-0.00	-0.01	-0.13	0.10	0.15	-0.05
AMP FLUID (mV)	112	112	112	112	111	112	112	112	112	156	110
TT (us)	218	217	218	213	214	215	217	216	218	327	217
M FACTOR	0.89	0.89	0.90	0.89	0.90	0.90	0.89	0.90	0.89	0.96	0.91

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10417452

DATE/TIME PERFORMED: Fri May 29 08:47:16 2015

DAYS SINCE CAL: 0

UNIT #: 3885TC 6685

CABLE #: 6685LG 53420-C1

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)
ZERO	0.09	0.03	0.00	-0.07	0.03	-0.04	0.01	-0.03	-0.05	0.05	-0.09
AMP AIR	1.15	0.89	0.81	1.31	1.17	1.43	1.28	1.08	1.00	1.07	102.59

SHOP	SHOP	WIRELINE
M FACTOR	A FACTOR	FACTOR
0.91	0.00	0.97

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 2459XA 10417457

DATE/TIME PERFORMED: Mon May 18 15:41:33 2015

UNIT #: 3885TC 6685

CALB JIG #: 4702NK VBA-905

	BACKGROUND CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	86.84	335.29	248.4	0.403	34.96

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 2459XA 10417457

DATE/TIME PERFORMED: Mon May 18 15:43:36 2015

UNIT #: 3885TC 6685

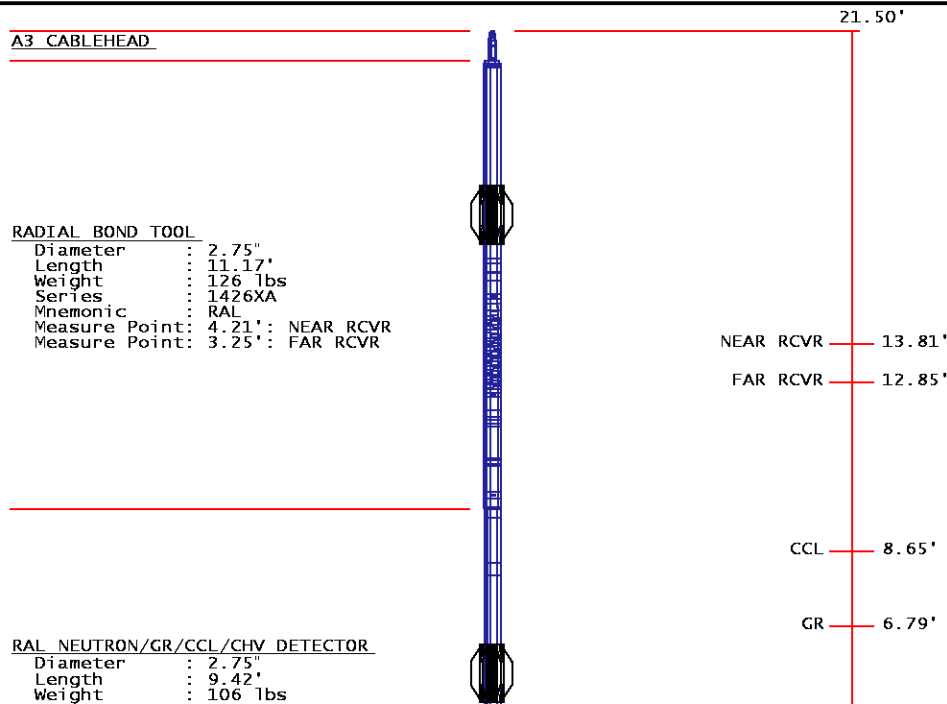
VERI JIG #: 4702NK VBA-905

	BACKGROUND CALBRTR ON (cts)	MULT	BACKGROUND CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	85.87	340.67	0.403	34.56

90.00 110.00

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH096699/n012e~tdg




Series : 2459XA
Mnemonic : RAL
Measure Point: 8.46' : CCL
Measure Point: 6.60' : GR
Measure Point: 1.21' : NEU

NEU 1.40'

BULL PLUG 2 3/4

0.00'

TOTAL LENGTH: 21.50'
TOTAL WEIGHT: 240 lbs
MAX DIAMETER: 0'4.25"

	COMPANY	WPX ENERGY		FILE NO:	
	WELL	FEDERAL RGU 443-26-198			CH096705
	FIELD	SULPHUR CREEK		API NO:	
	COUNTY	RIO BLANCO	STATE	COLORADO	
LOCATION:		ELEVATIONS:		SEC 26 T1S R98W	
SHL: 2455' FNL 914' FEL		KB 6646 FT		42-26-198	
BHL: 2185' FSL 881' FEL		DF		H&P 318	
		GL 6622 FT			
SEC 26 TWP 1S RGE 98W		DATE		29-May-2015	