



FILE NO: US087671 COMPANY WPX ENERGY
API NO: 05045220010000 WELL SAVAGE RWF 443-25
FIELD RULISON
COUNTY GARFIELD STATE CO

Ver. 3.87 LOCATION: SHL: 1185' FSL 1382' FEL RPM
PAD: RWF 43-25 BHL: 2122' FSL 606' FEL
NABORS 577 SEC 25 TWP 6S RGE 94W OTHER SERVICES

PERMANENT DATUM GL ELEVATION 6234 FT
LOG MEASURED FROM KB 26 FT ABOVE P.D.
DRILL. MEAS. FROM KB
ELEVATIONS:
KB 6260 FT
DF
GL 6234 FT

DATE	01-Jul-2014
RUN	1
TRIP	1
SERVICE ORDER	US087671
DEPTH DRILLER	8942 FT
DEPTH LOGGER	8920 FT
BOTTOM LOGGED INTERVAL	8910 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	07:30
TIME FINISHED	12:00
OPERATOR RIG TIME	4.5
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	83 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	65 FMN
MAX. RECORDED TEMP.	221 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	6670
LOCATION	GRAND JCT
RECORDED BY	D SMITH
WITNESSED BY	B CADY

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	1119 FT
8.75 IN	1119 FT	8942 FT

CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN	32.2 LB/F		0 FT	1119 FT
4.5 IN	11.6 LB/F		1119 FT	8942 FT

REMARKS

RUN 1 TRIP 1: ALL DATA ON THIS LOG IS SHIFTED USING THE CCL CURVE TO PLACE THE WELLHEAD (TOP CCL MARK) ON DEPTH WITH GROUND LEVEL ELEVATION AT CLIENT'S REQUEST

THE DEPTH MATCHING PROCESS CREATES POTENTIAL FOR COLLAR LENGTHS TO VARY FROM THOSE RECORDED ON OTHER CASED HOLE WIRELINE UNITS WITHOUT GAMMA RAY REFERENCE

NOTE: AR8 SHIFTS TO 0 MV FROM 1700 FT TO 1294 FT AND FROM 650 FT TO FLUID LEVEL CAUSING THE CEMENT MAP TO DISPLAY BLACK ALONG THE RIGHT SIDE OF THE MAP

AMOUNT LINEAR SHIFT: +2.0 ft

LOGGED WITH 0 PSI AT WELL HEAD

FLUID LEVEL = 83 FT

BHT = 221 DEGF

SJ = 5420' TO 5440'

THANK YOU FOR CHOOSING BAKER HUGHES WIRELINE SERVICES

CREW: SMITH/FAVORITE/COATE

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10218495	CENTRALIZED
1	1	GR	2459XA	10218504	CENTRALIZED

PRIMARY PRESENTATION 0 PSI

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

Updates: 1

Plotted: Fri Jul 4 15:14:40 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH087671/n012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 34.500 ft BOTTOM DEPTH: 8925.758 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1) light (2a)		TOP 8409.250	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*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	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*)	-64	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	Jul 1 09:22:42 2014	CASING COLLAR LOCATOR
F1:FAMPN	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE NEAR RECEIVER

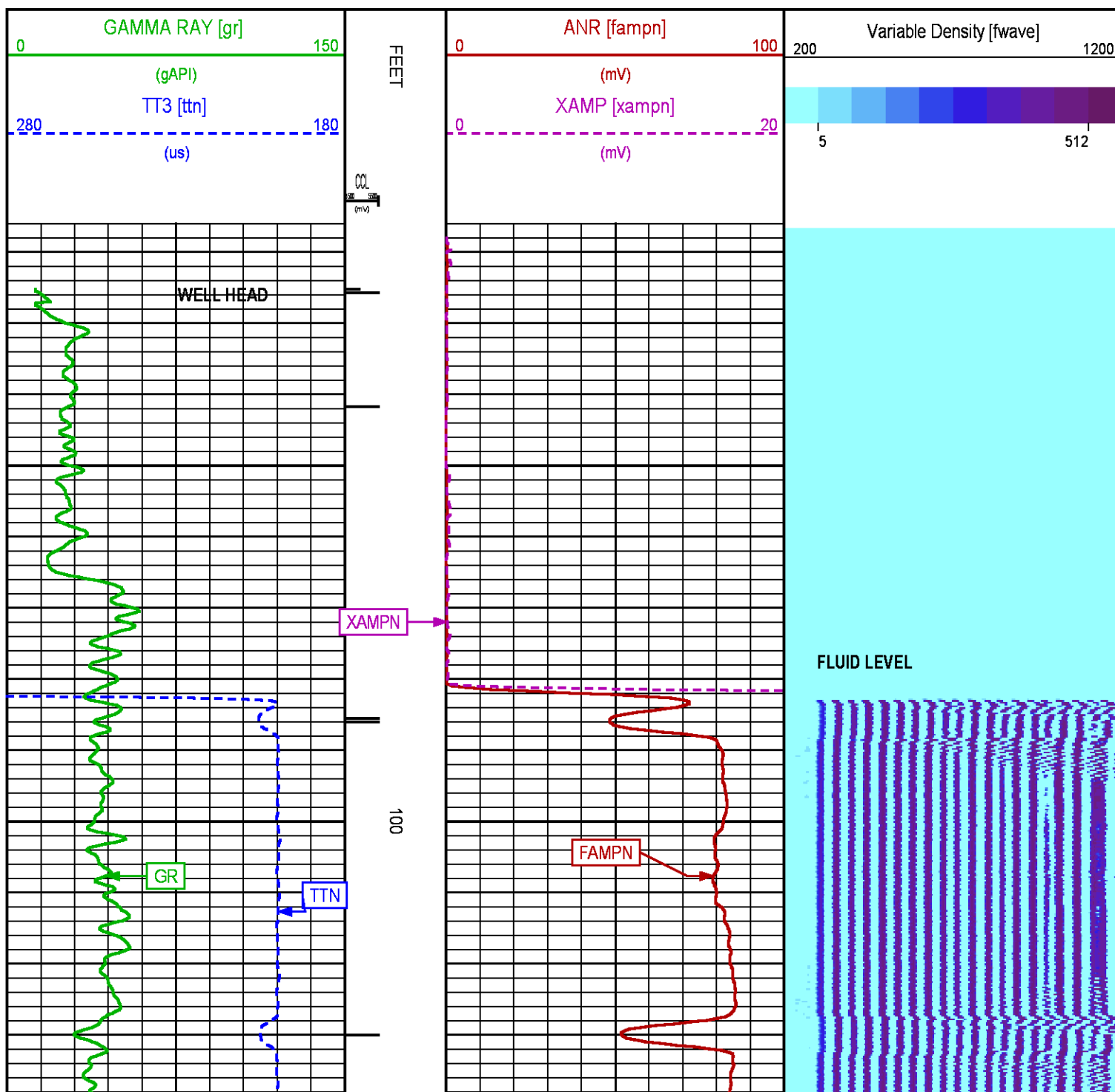
F1:FWAVE	Jul 1 09:22:42 2014	FAR WAVE FORM
F1:GR	Jul 1 09:22:42 2014	GAMMA RAY
F1:TTN	Jul 1 09:22:42 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

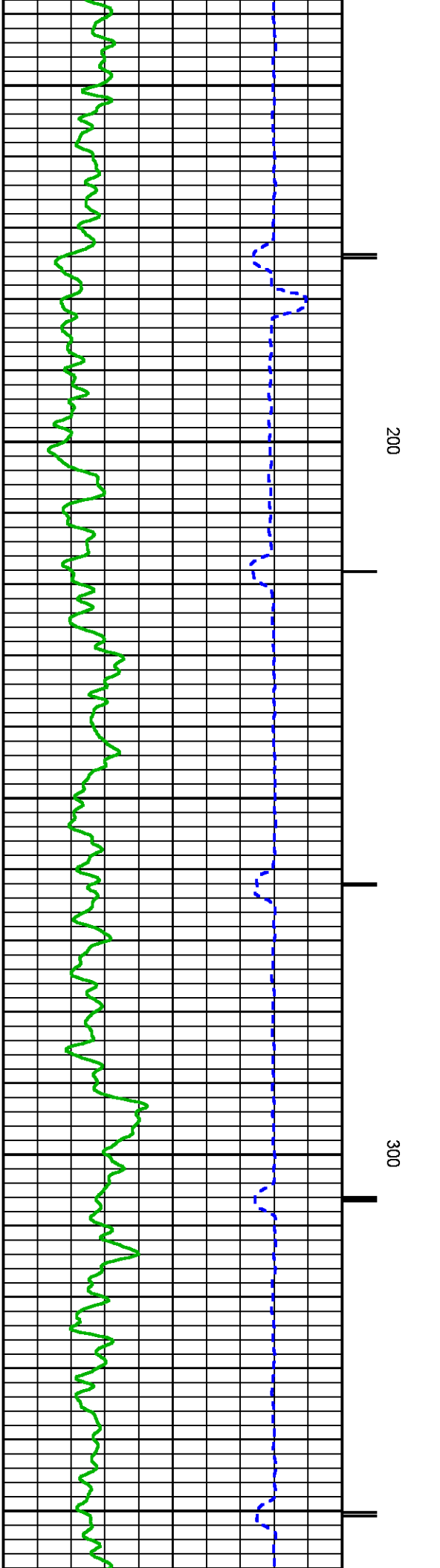
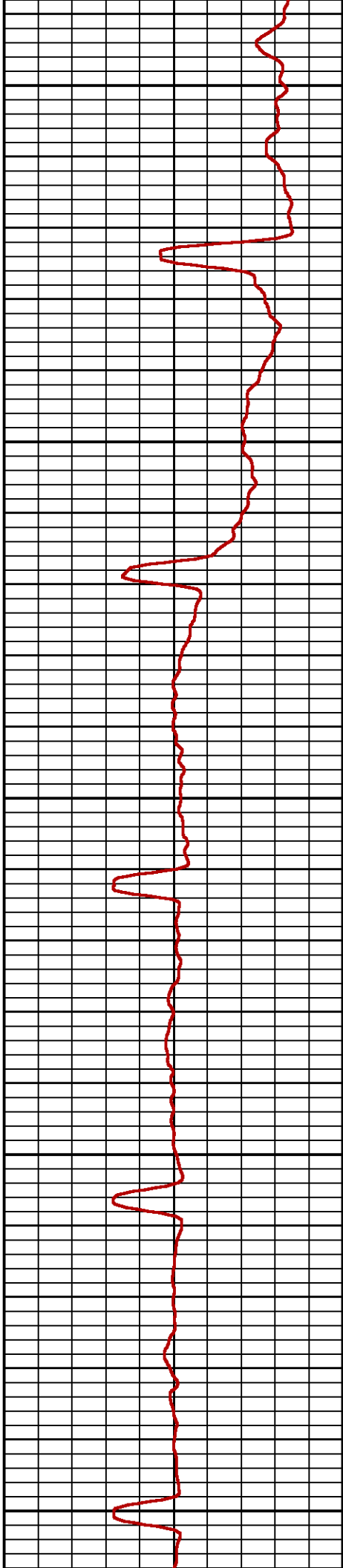
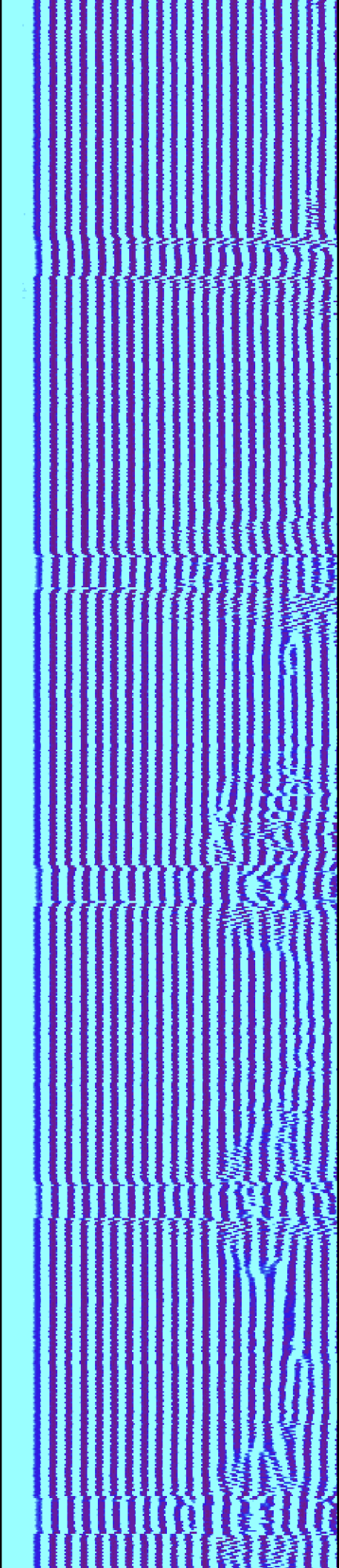
CURVE MEASURE POINT OFFSET

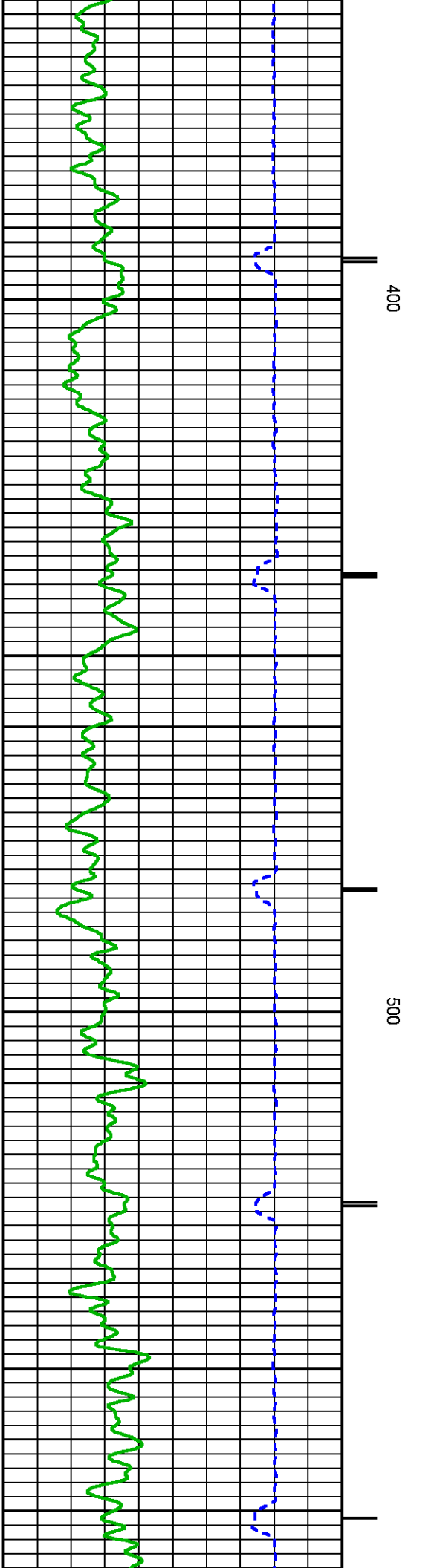
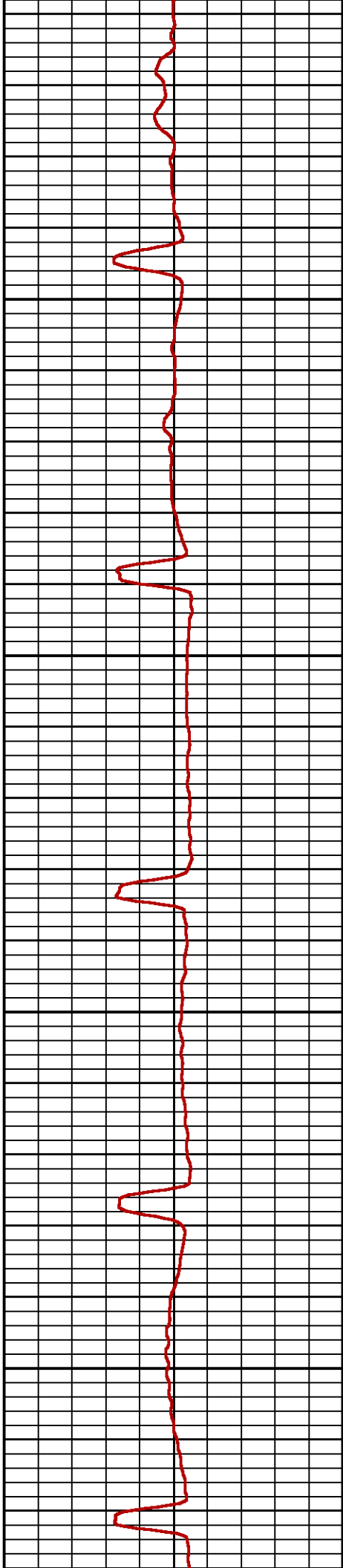
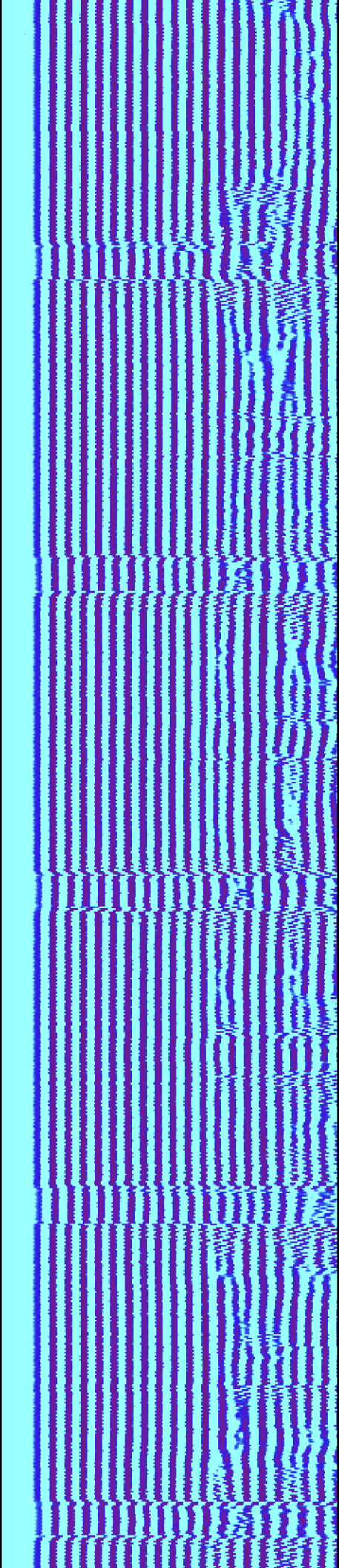
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

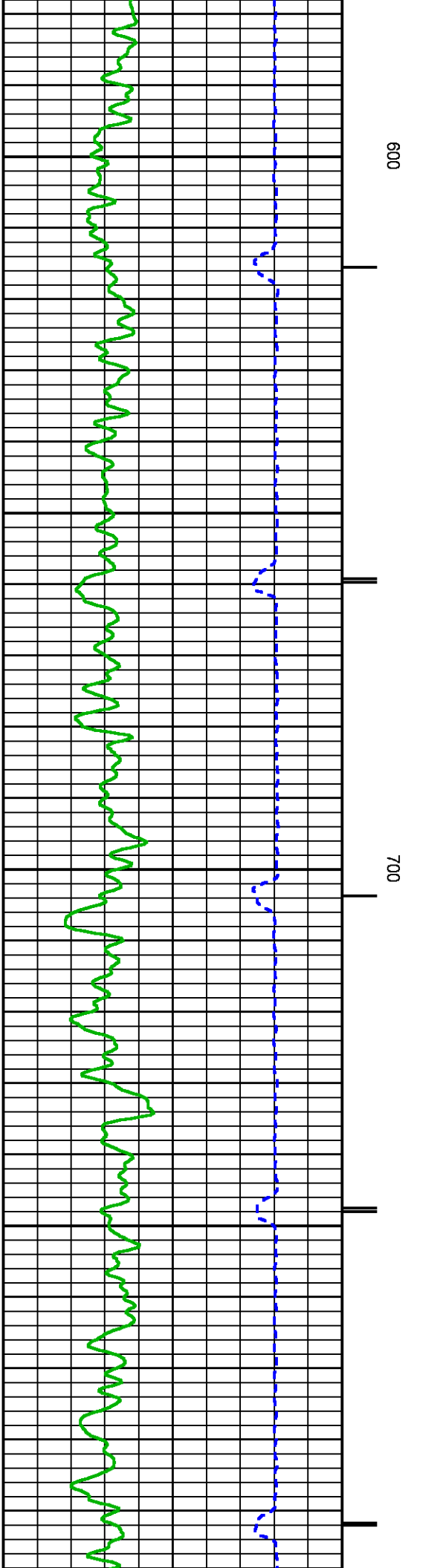
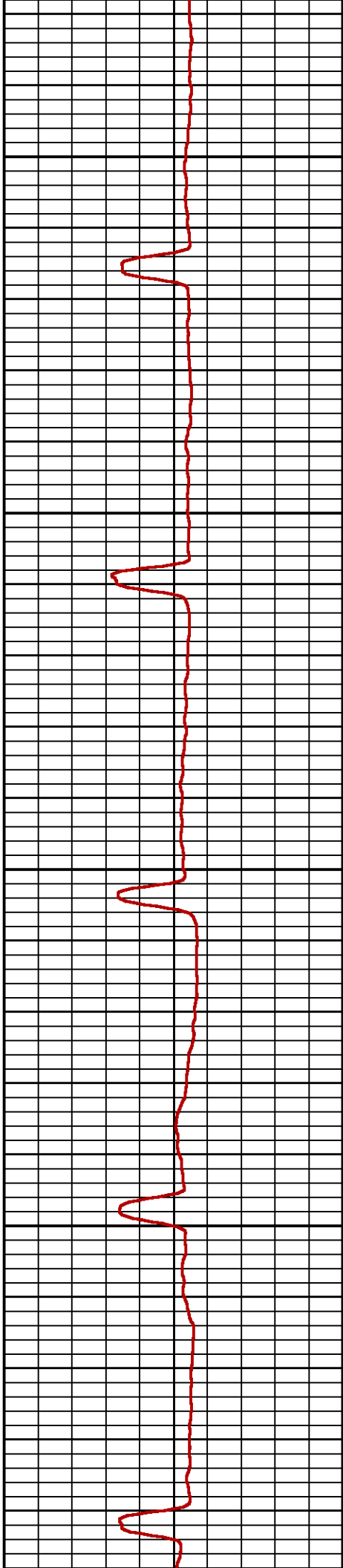
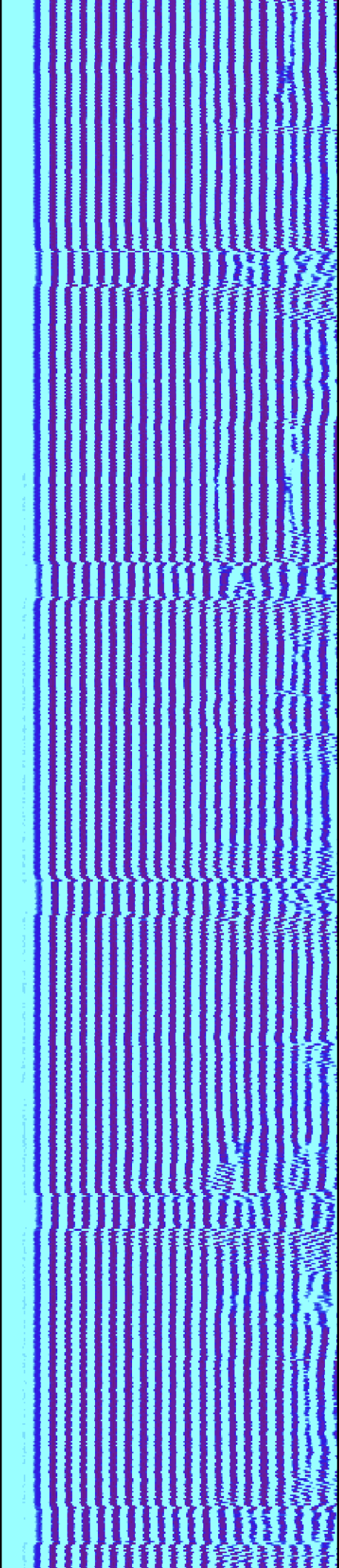
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Plot Interval : 16.75 - 8924 Feet

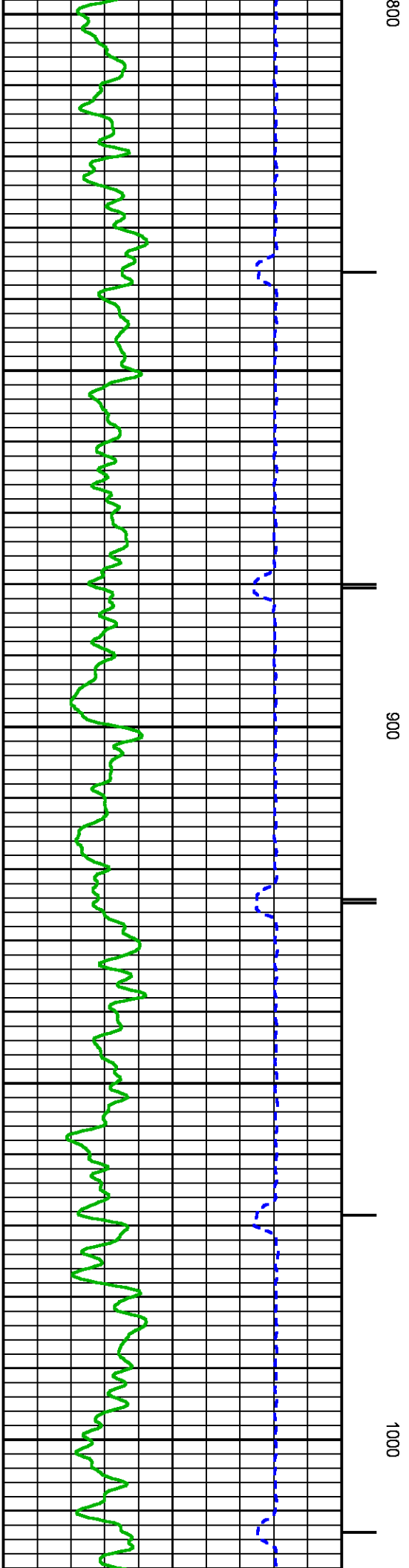
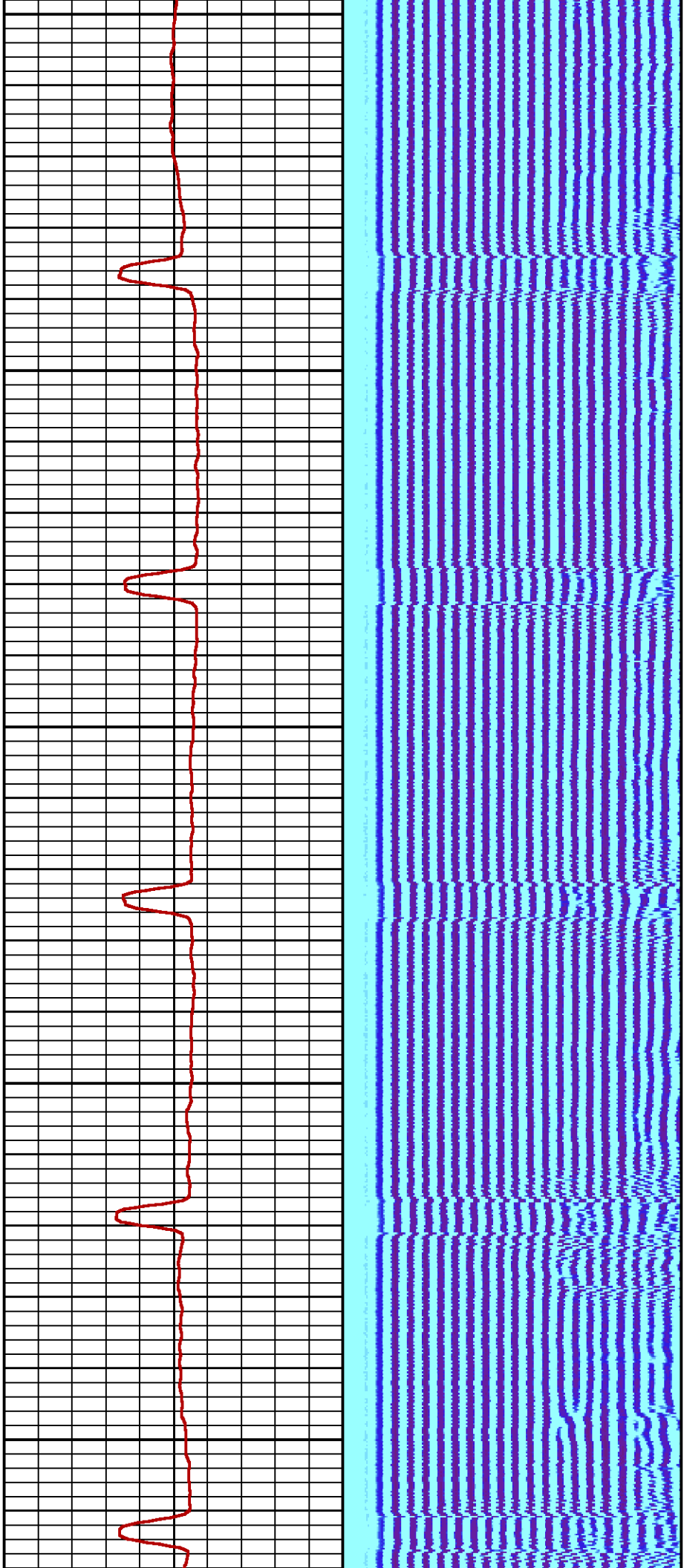
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Created On : Jul 1 09:22:42 2014
Company : WPX ENERGY
Well : SAVAGE RWF 443-25
Field : RULISON
File Interval : 16.75 - 8924 Feet
OCT : n012e

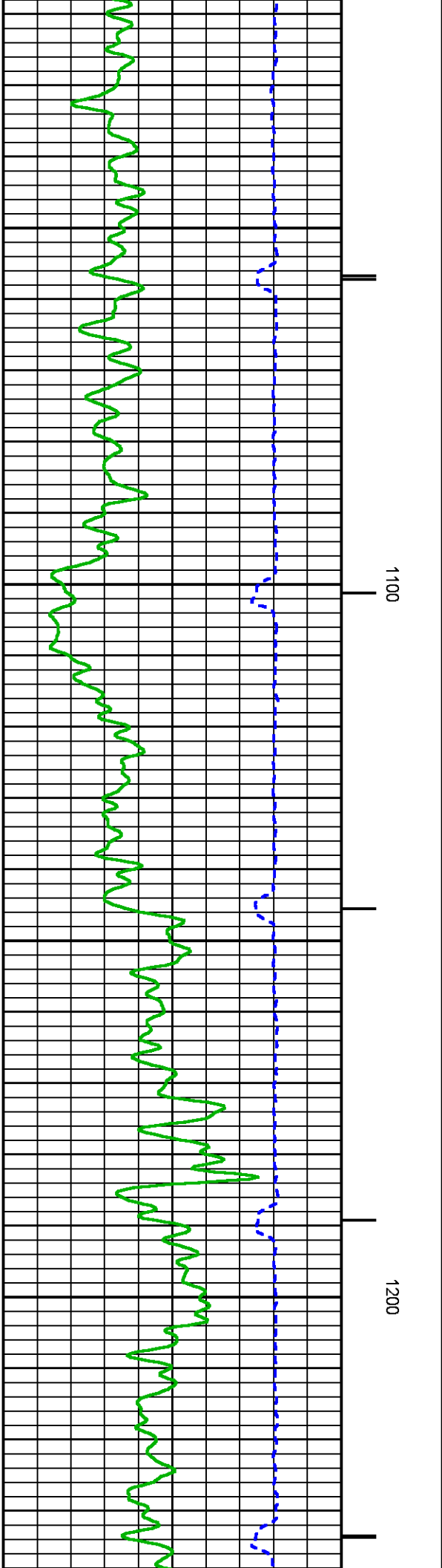
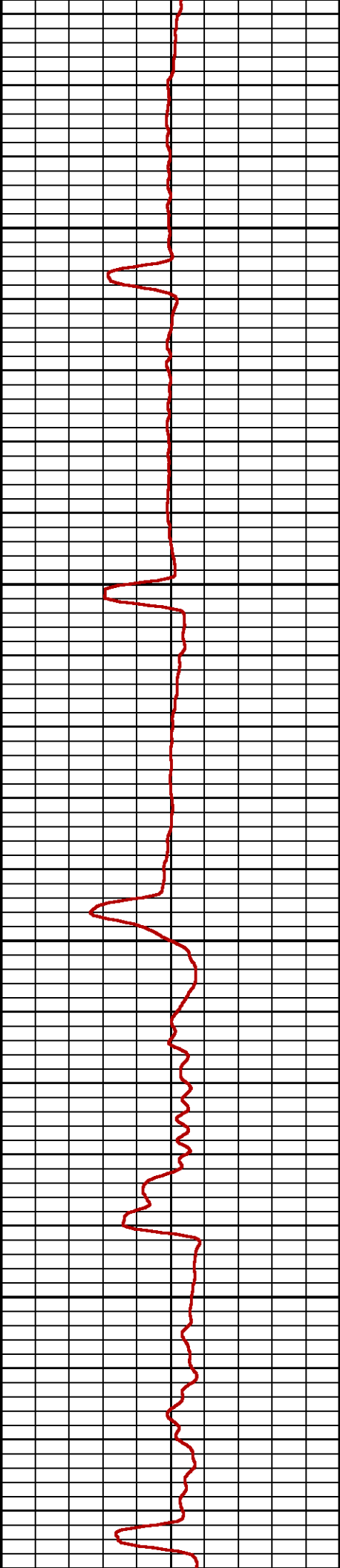
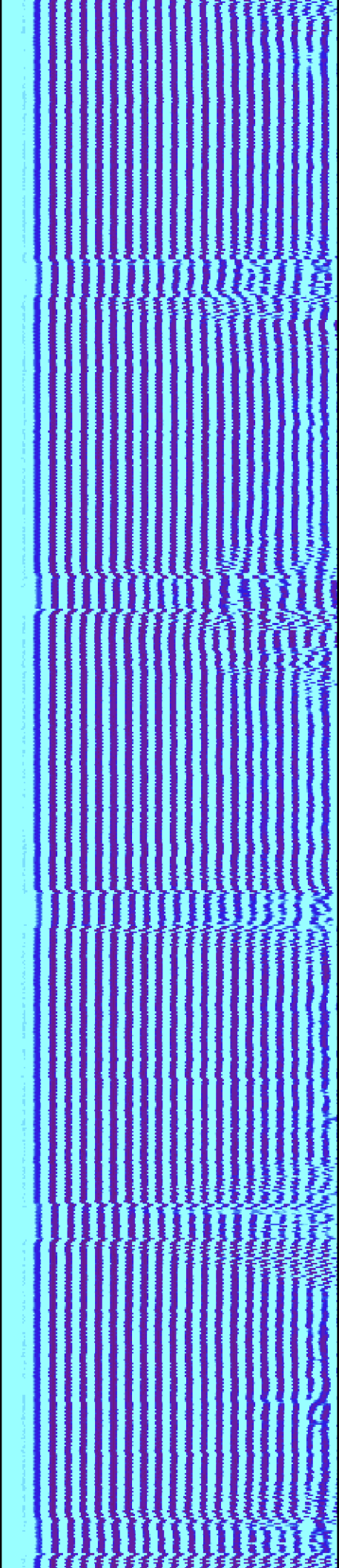


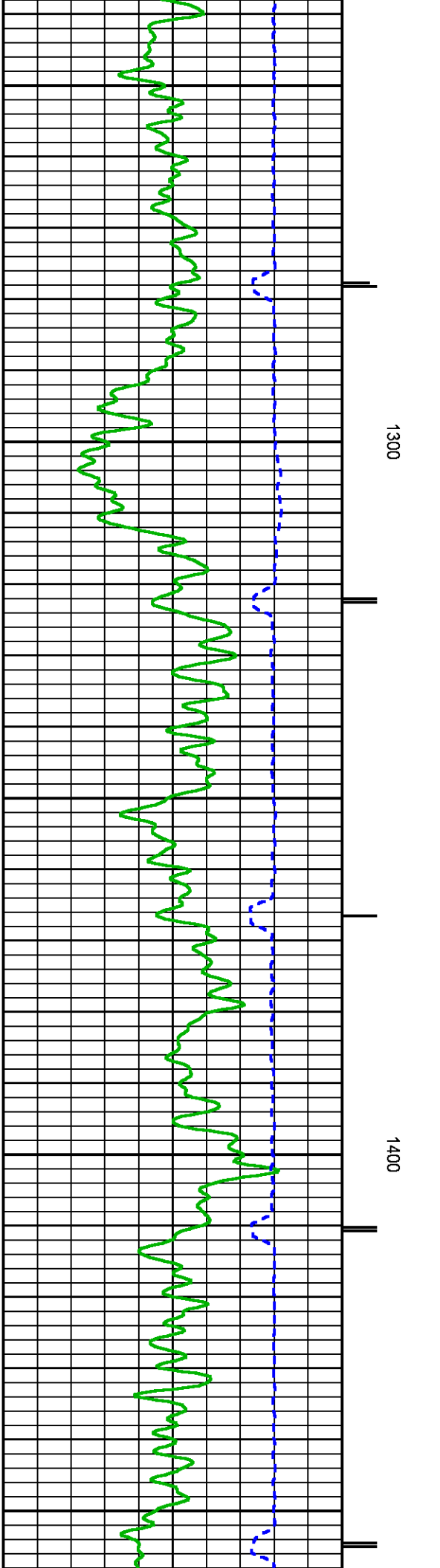
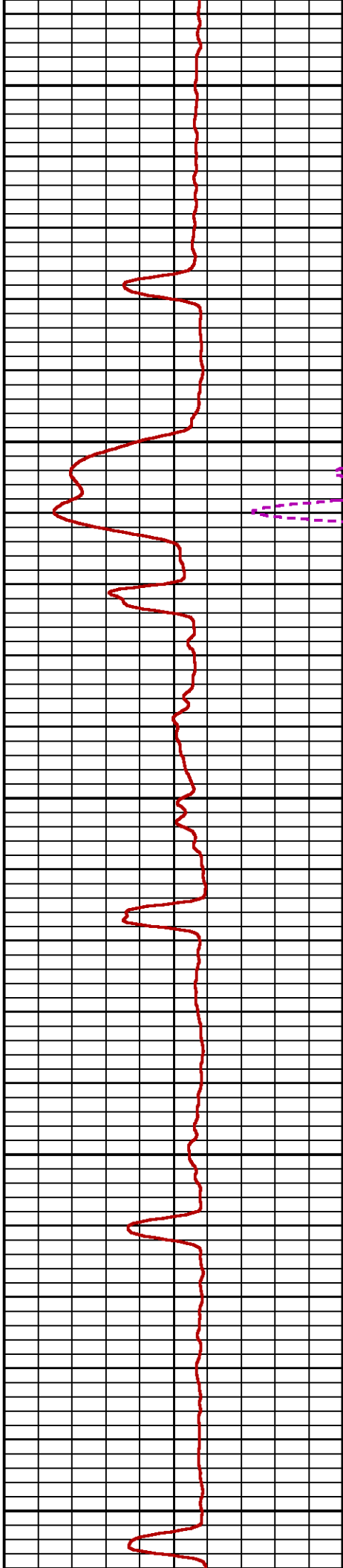
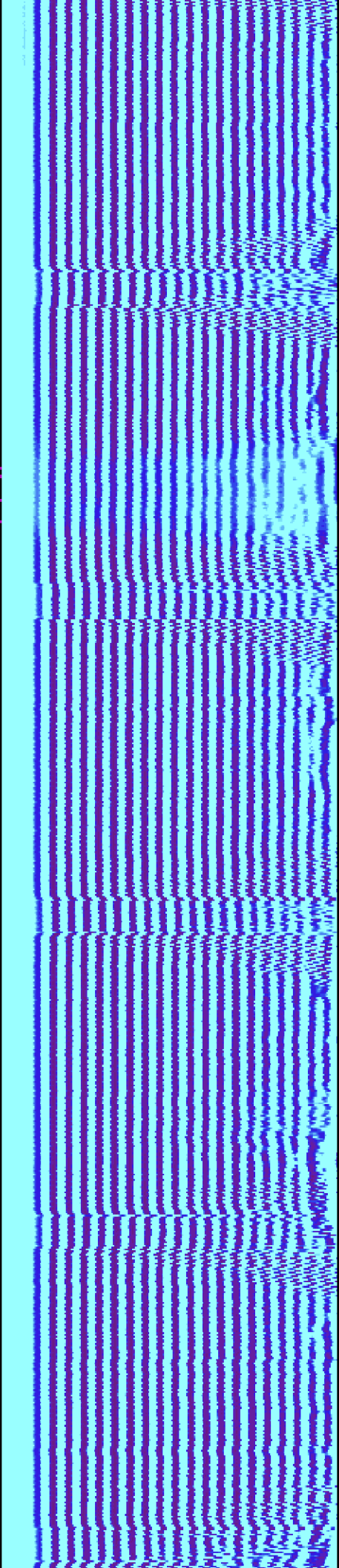


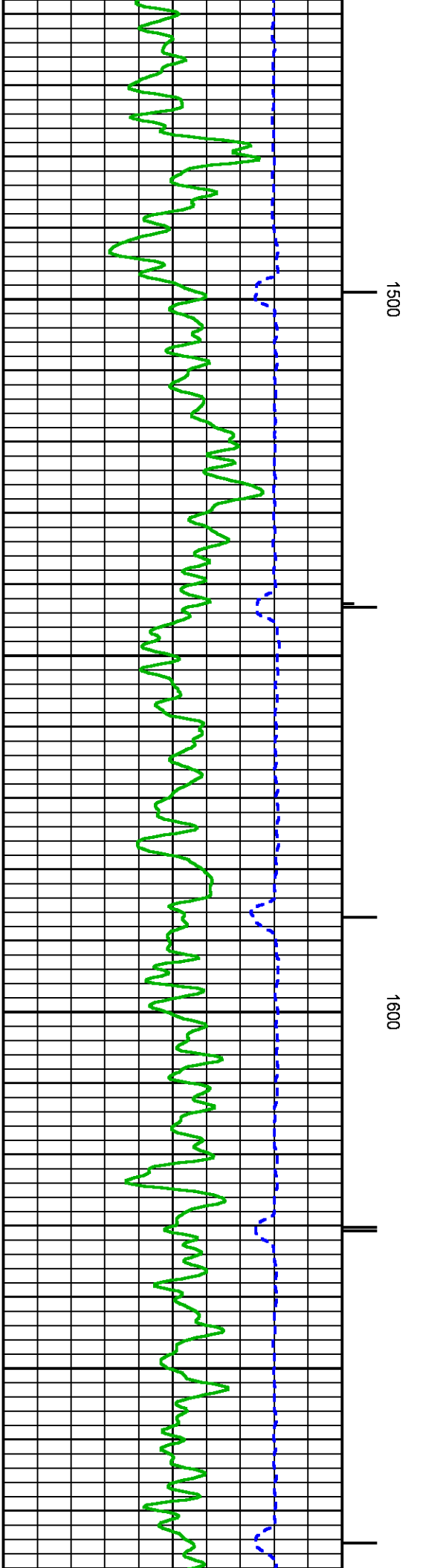
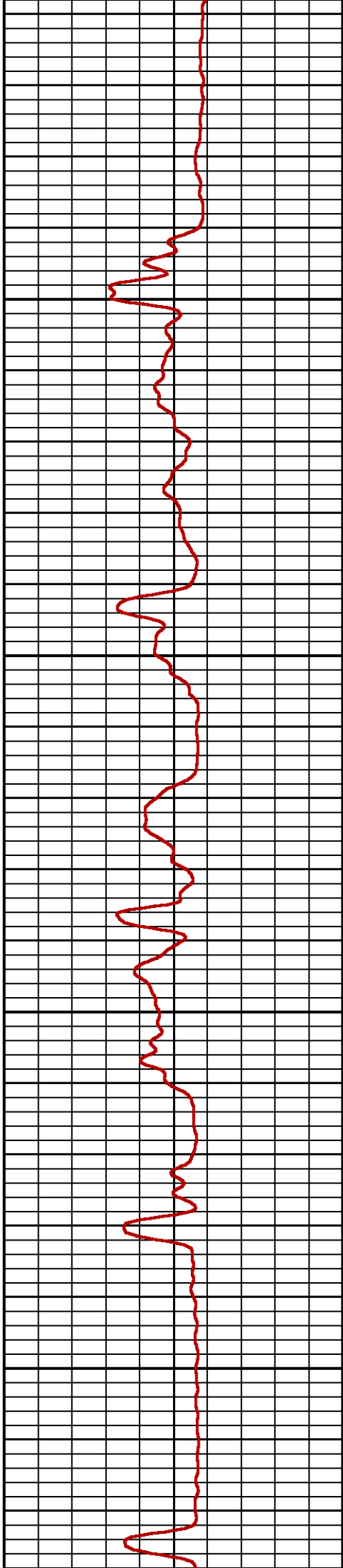
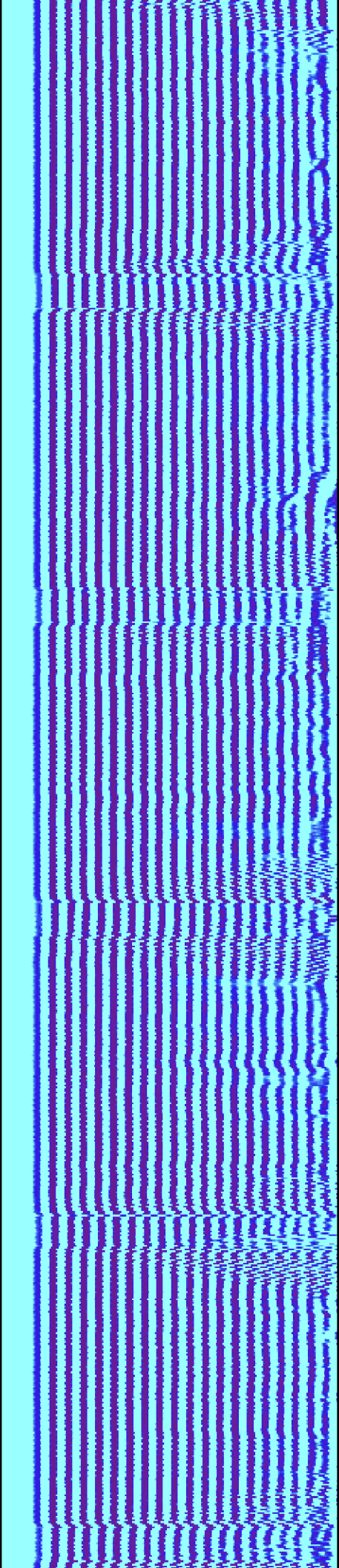


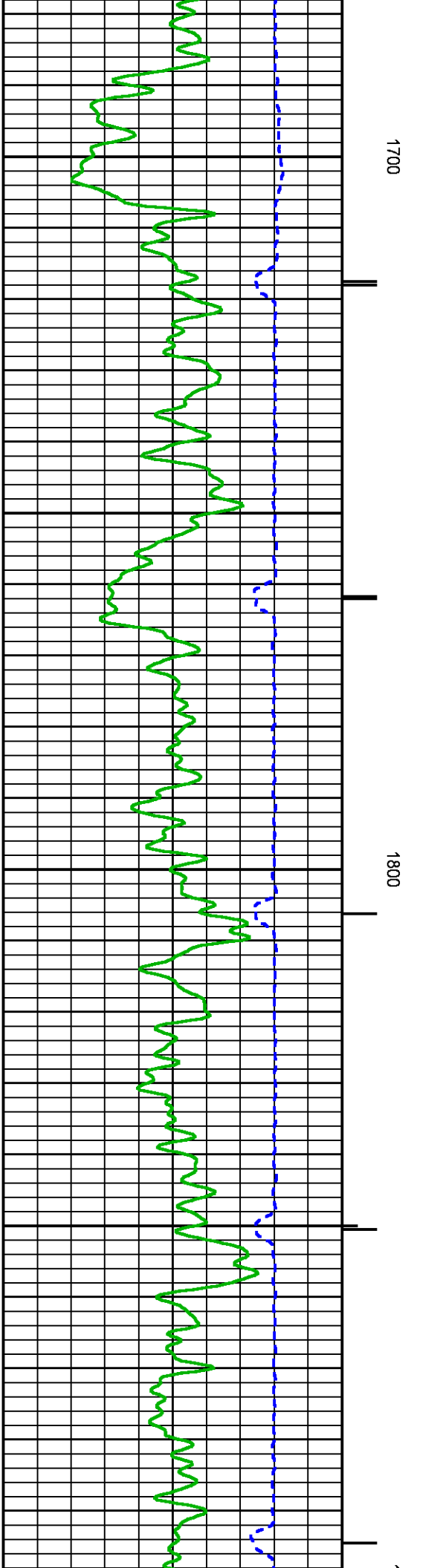
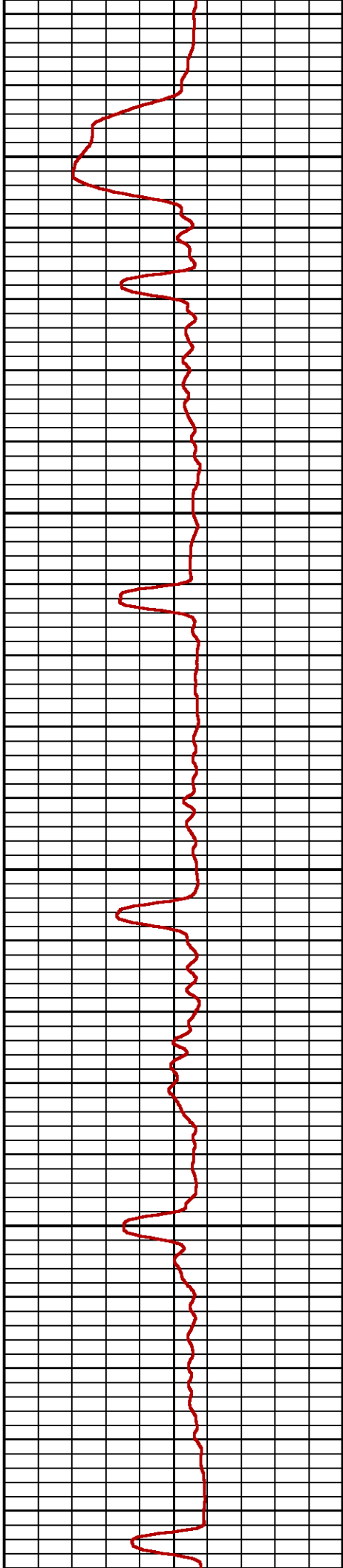
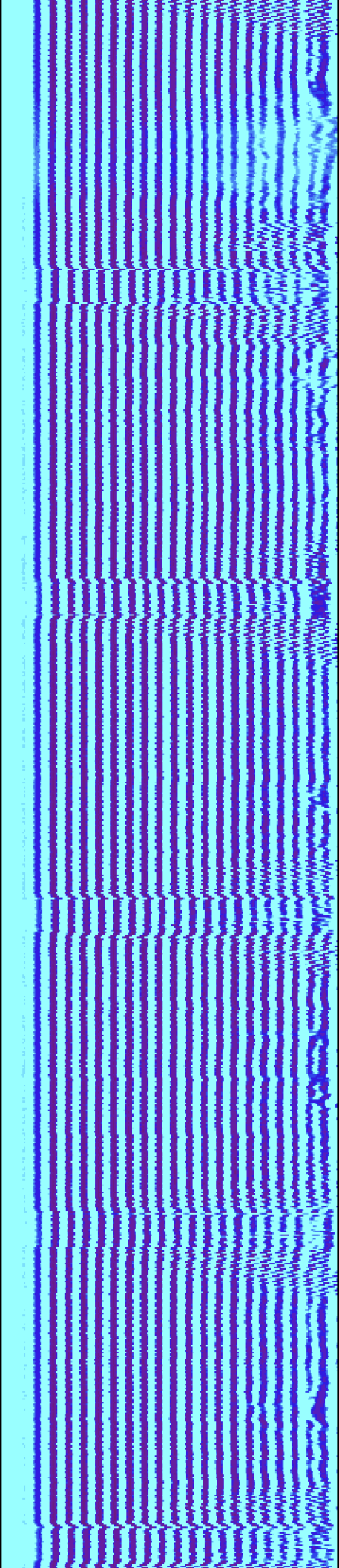


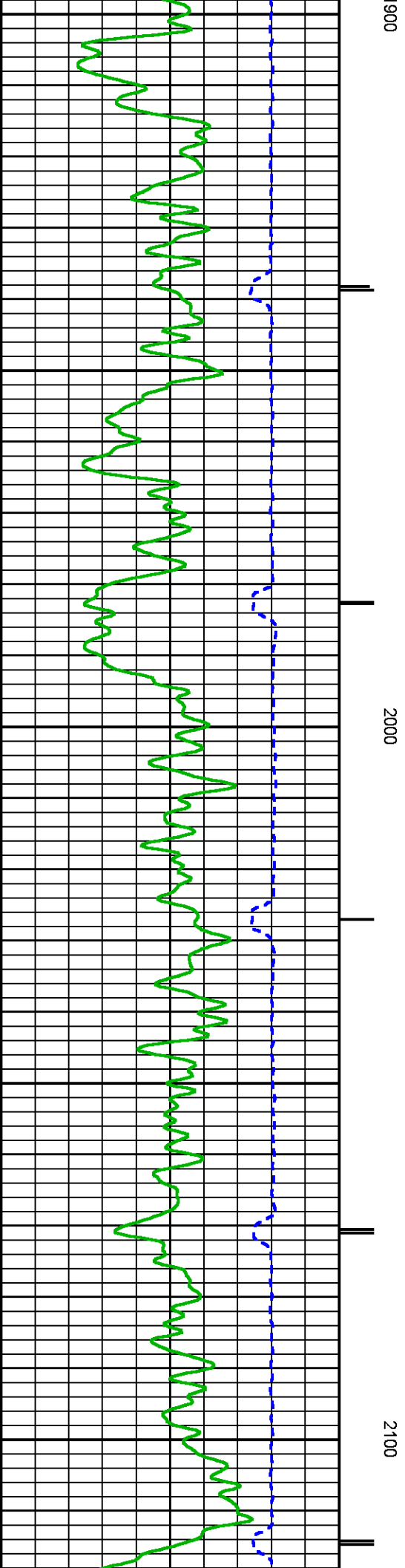
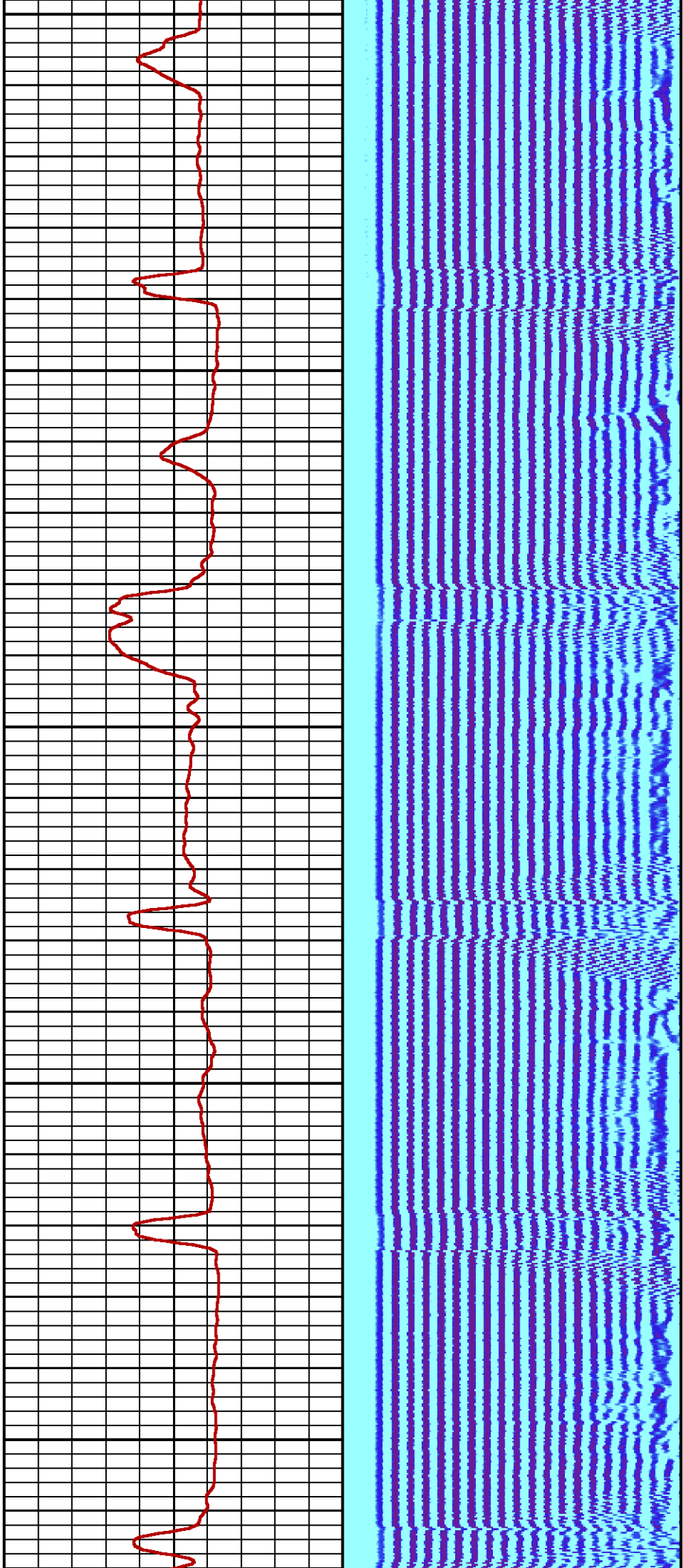


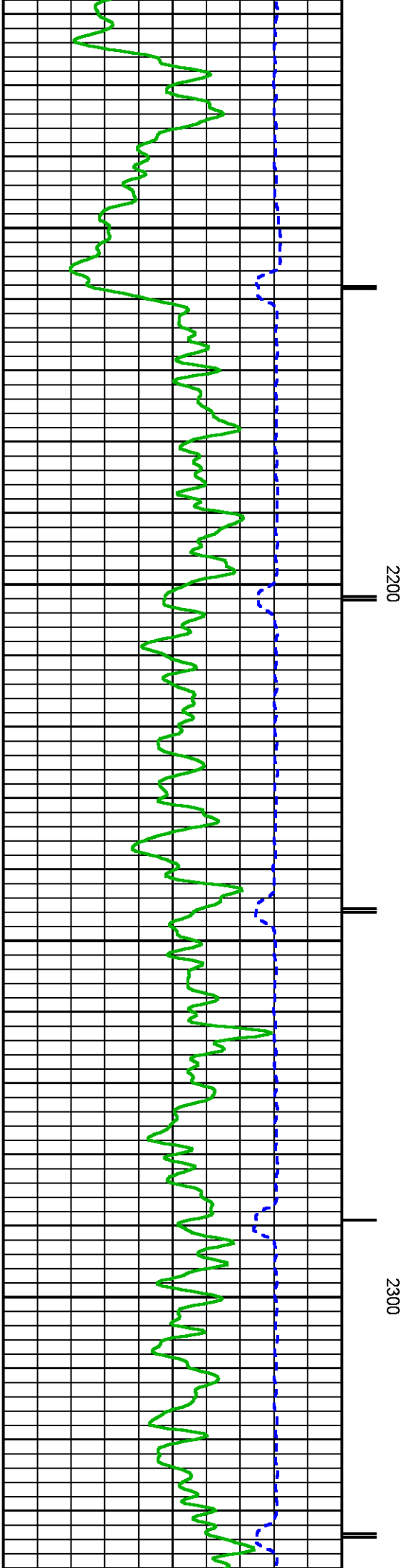
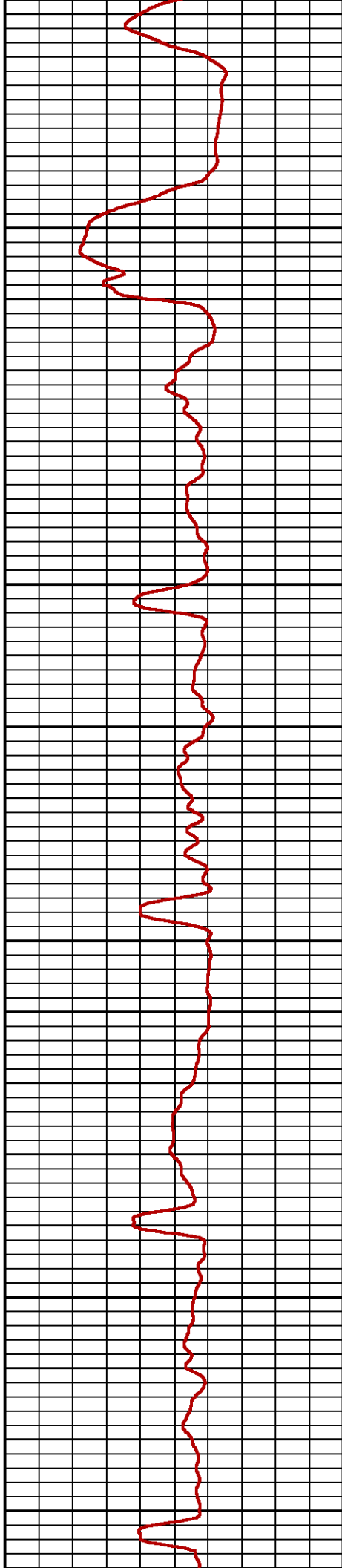
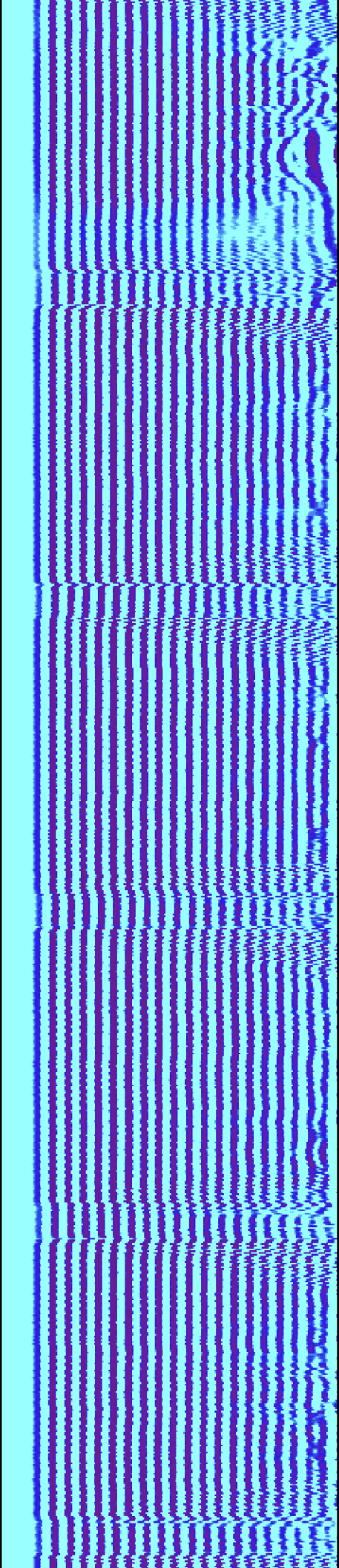


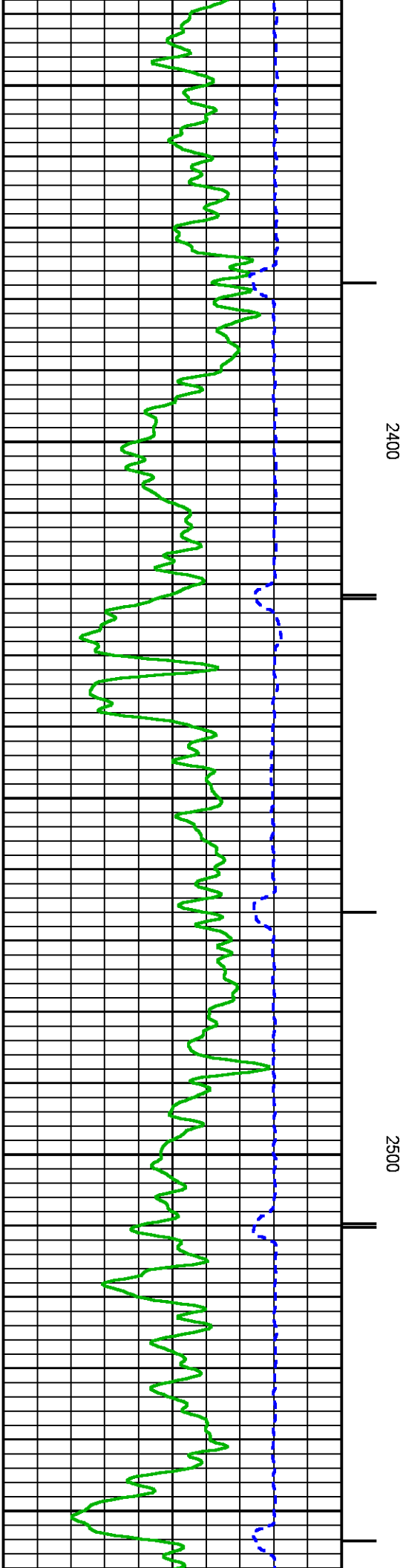
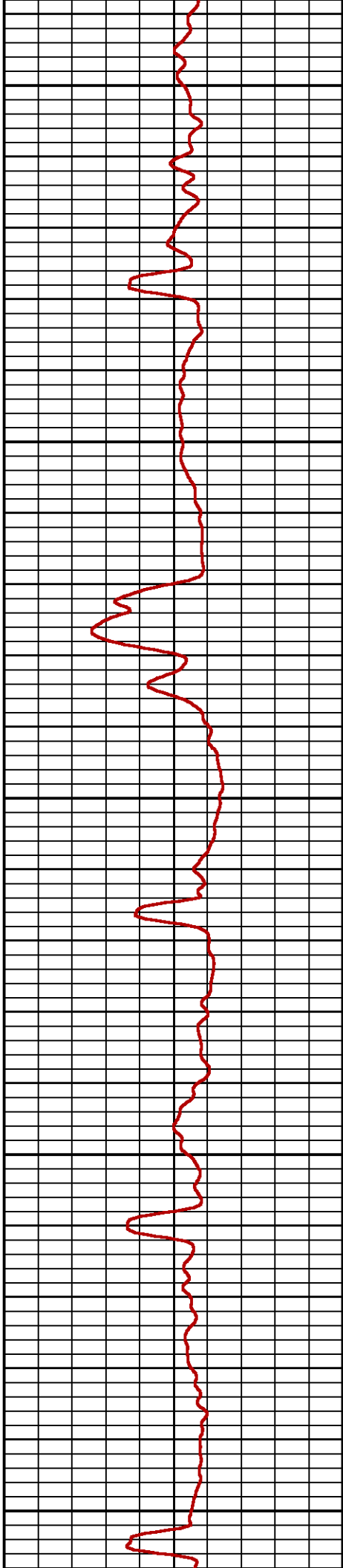
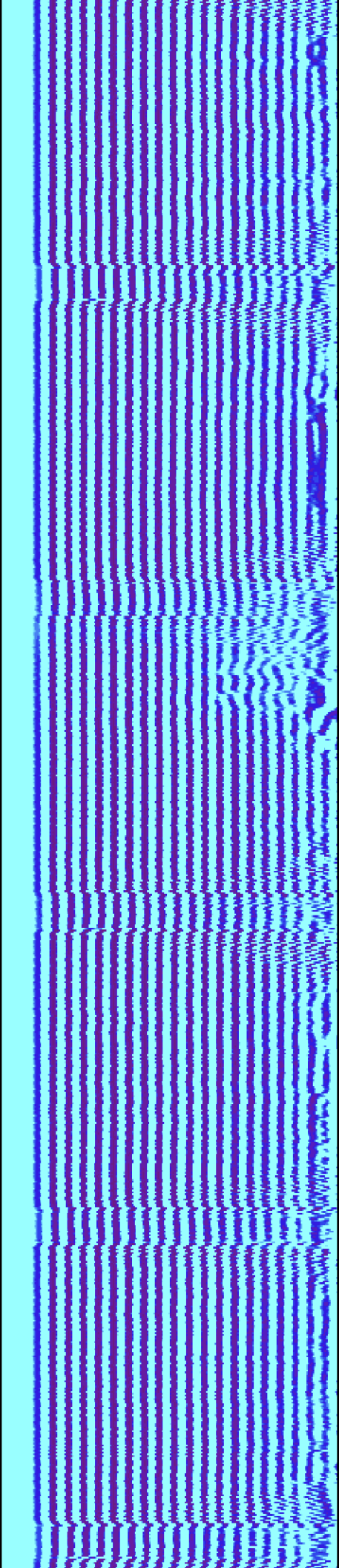


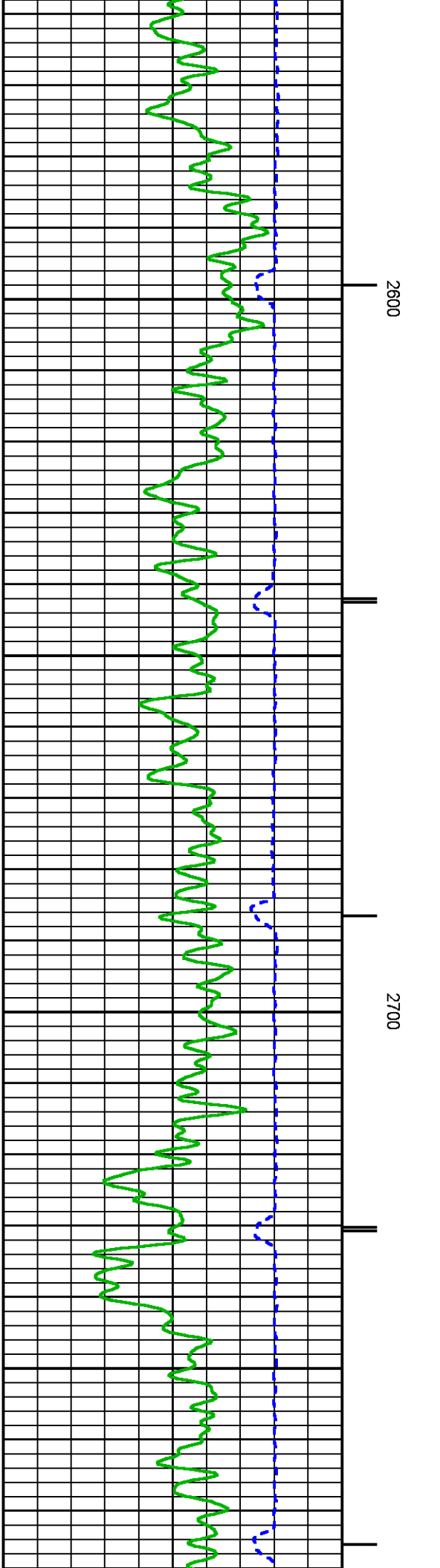
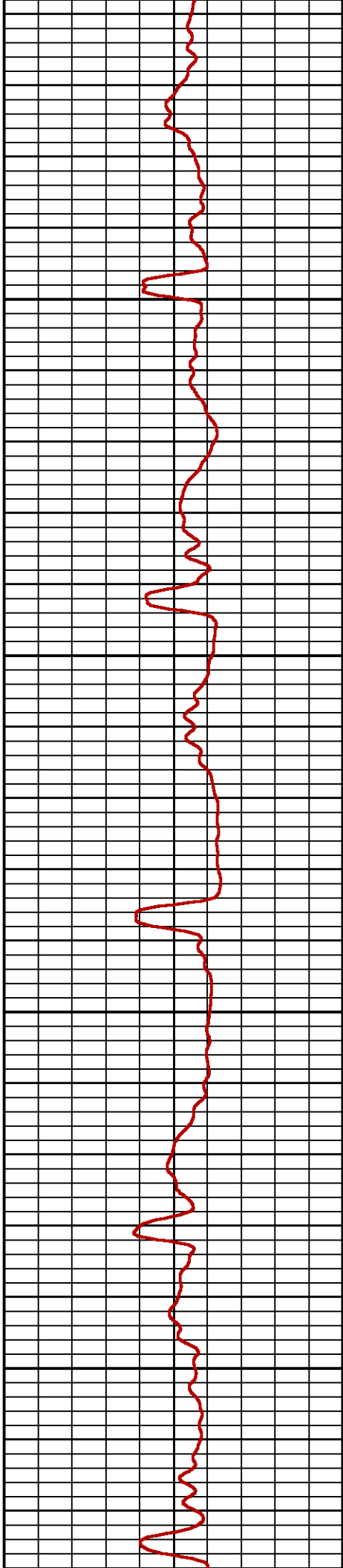
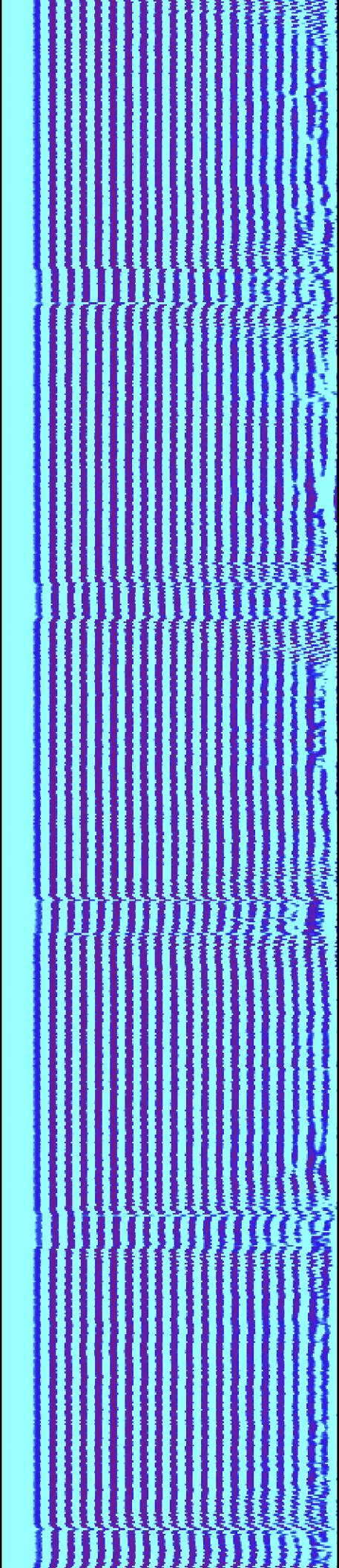


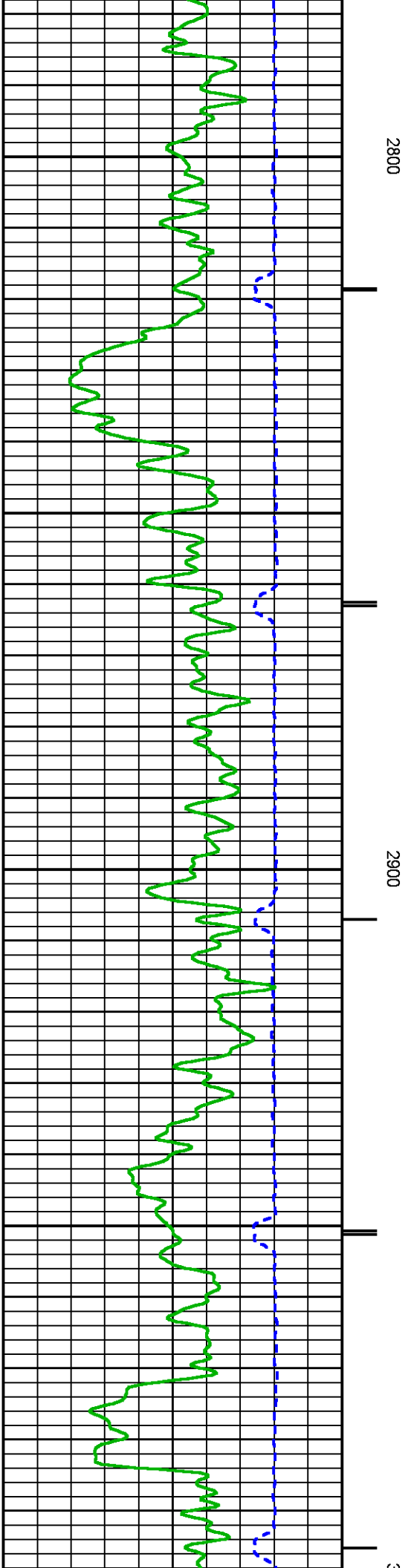
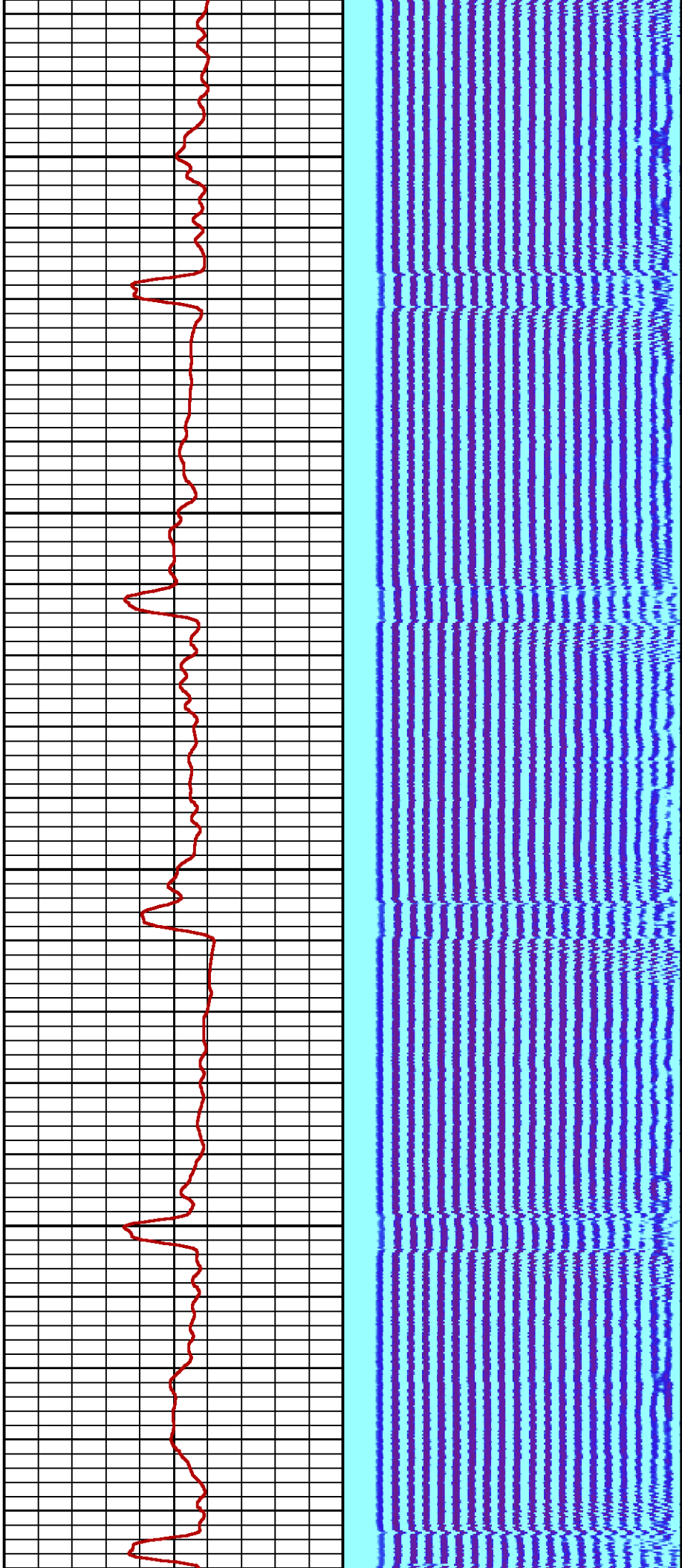


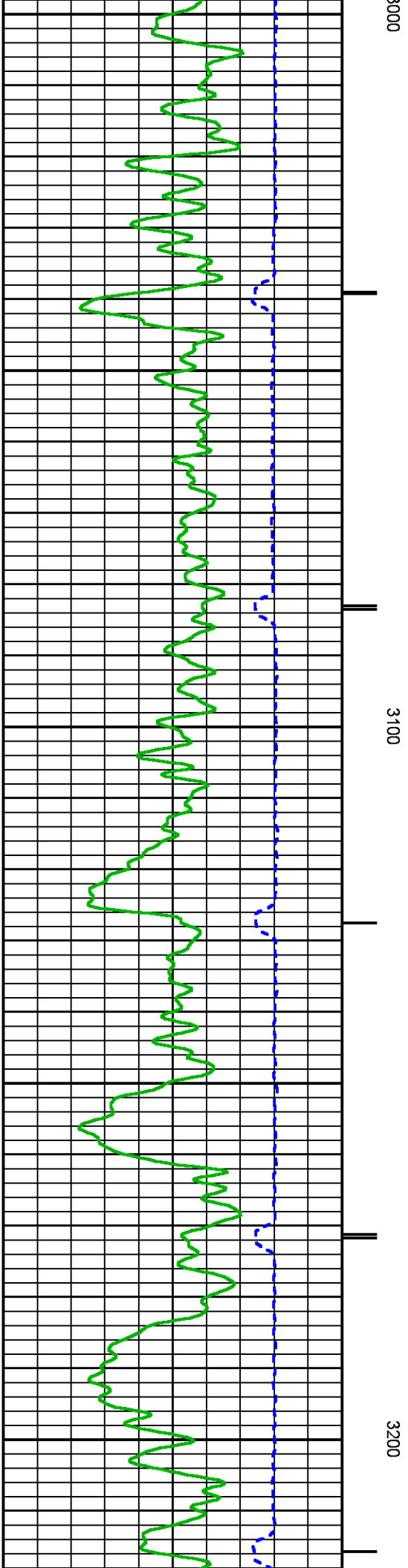
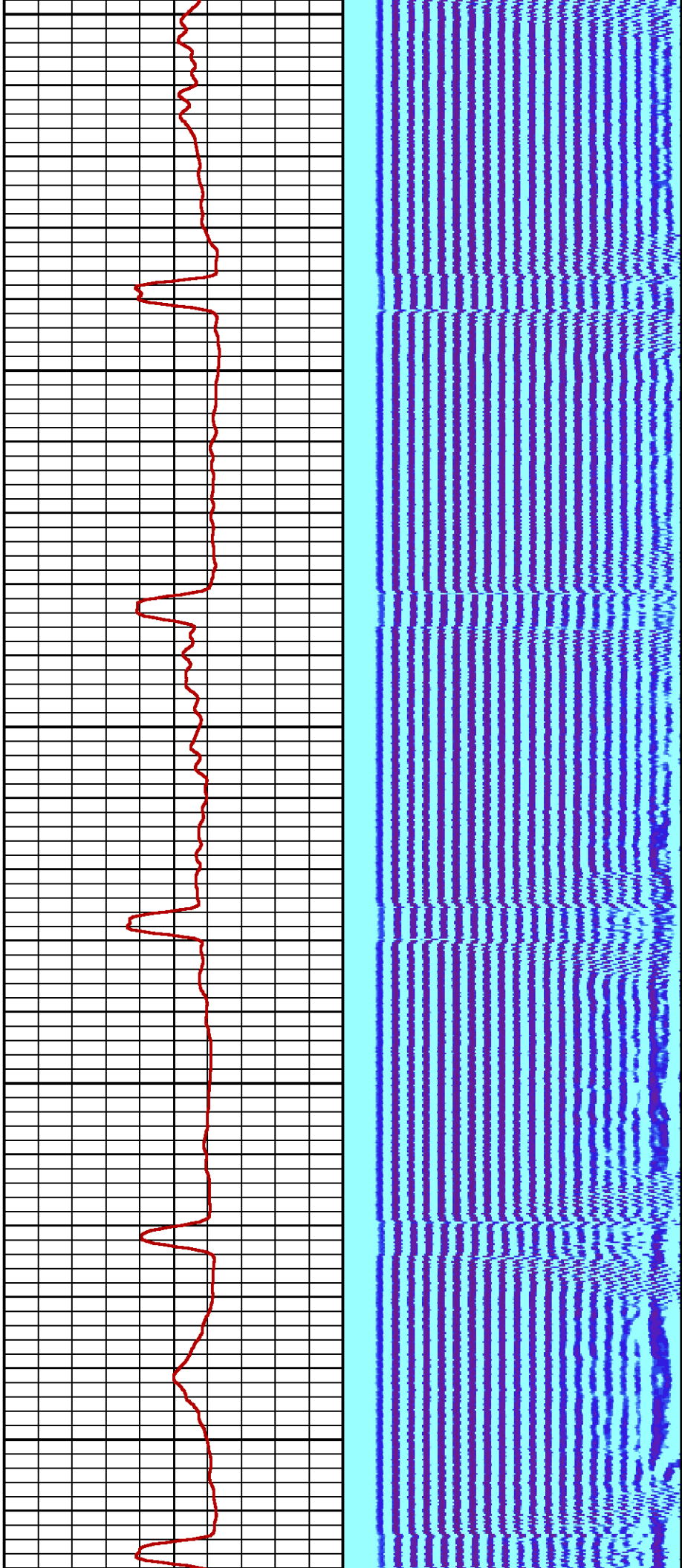


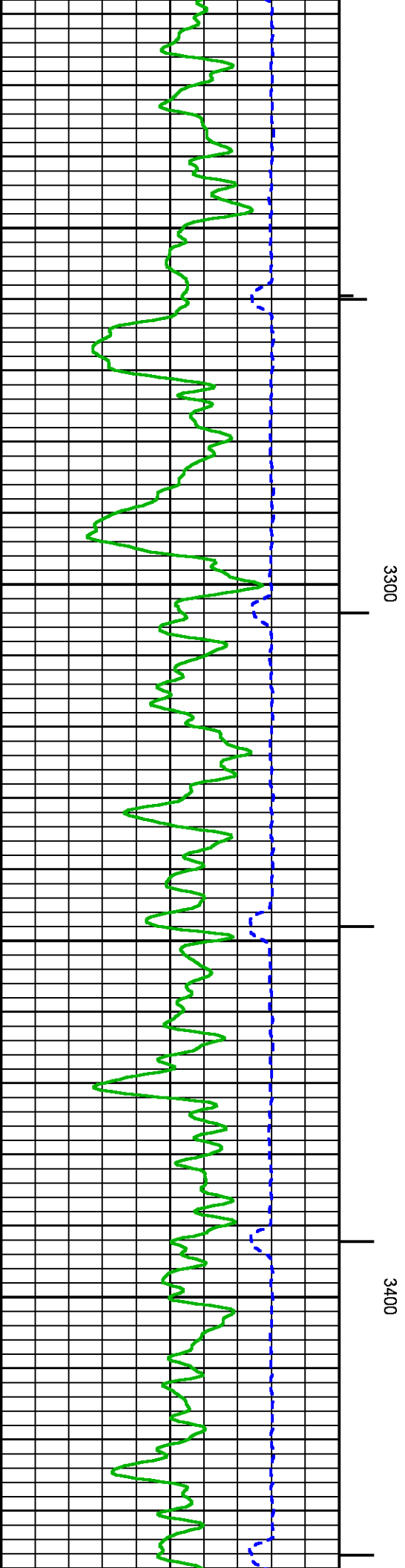
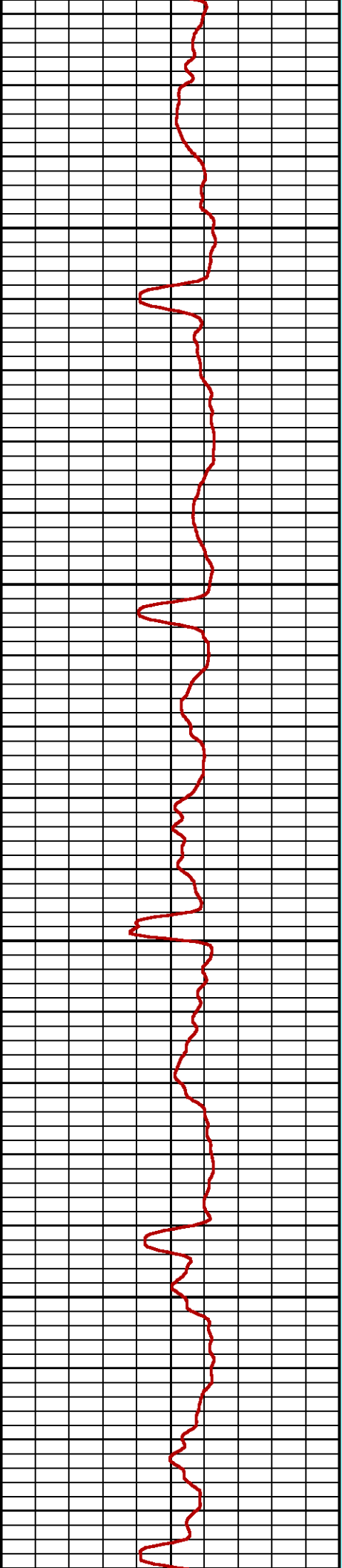
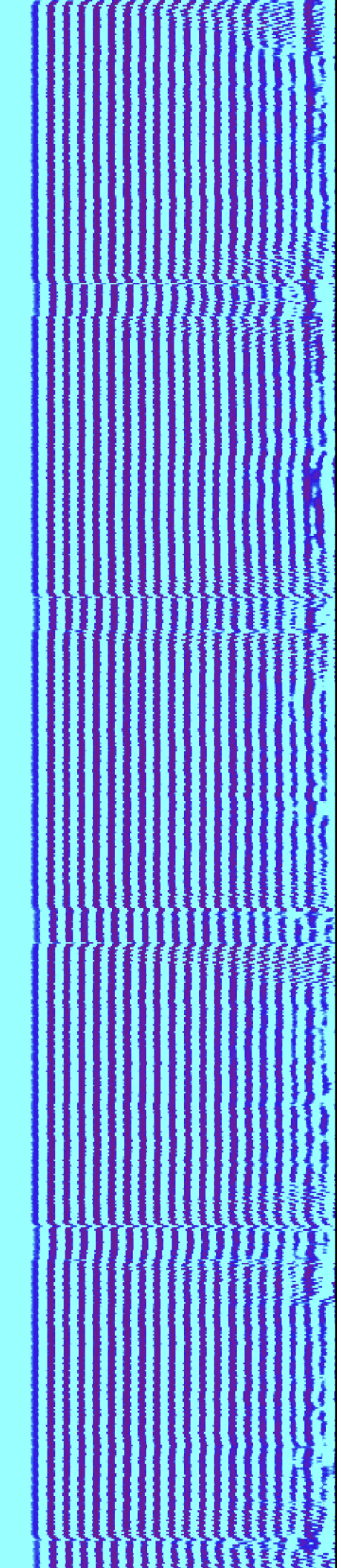


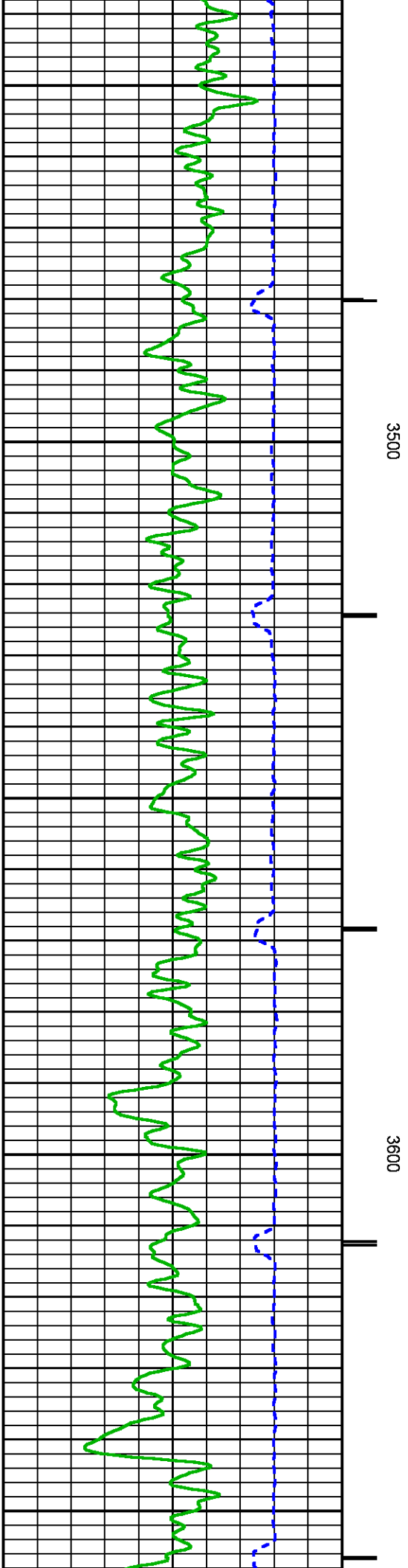
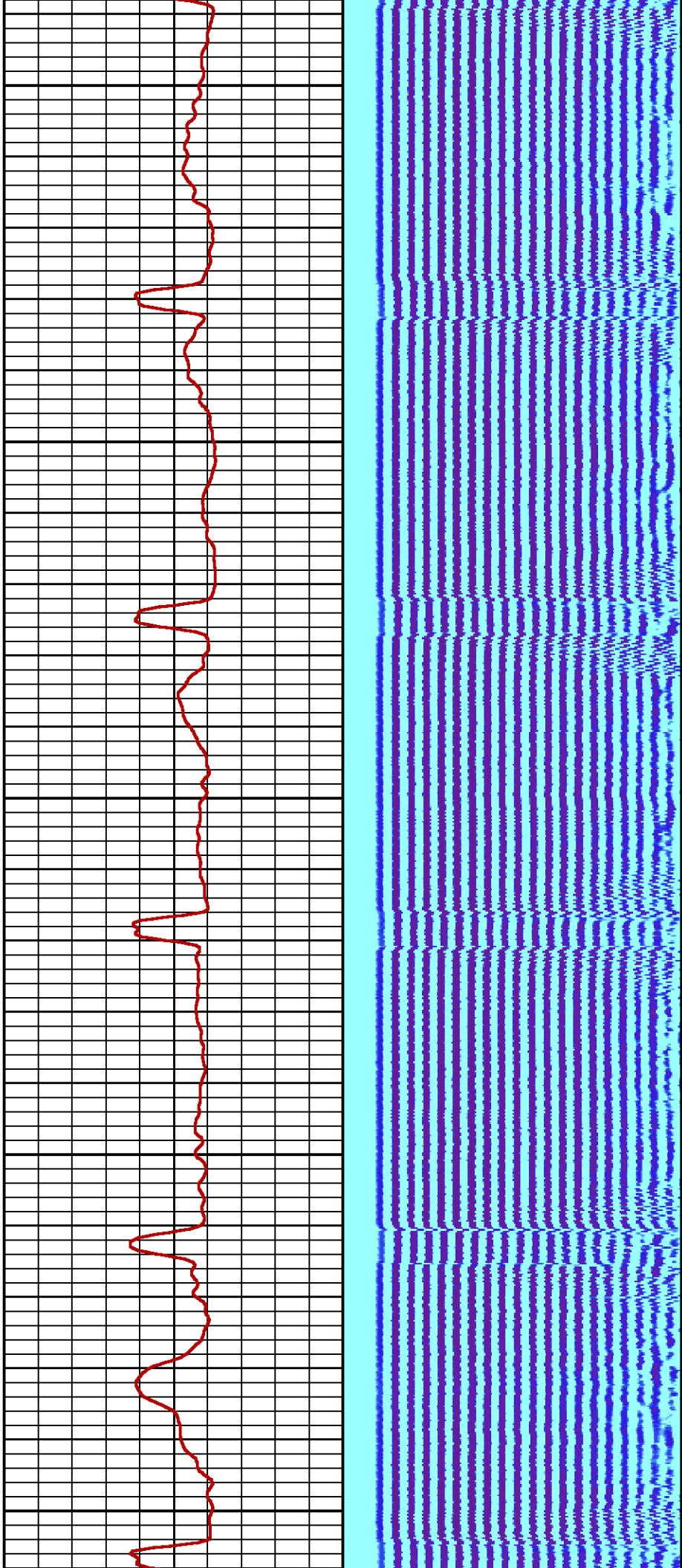


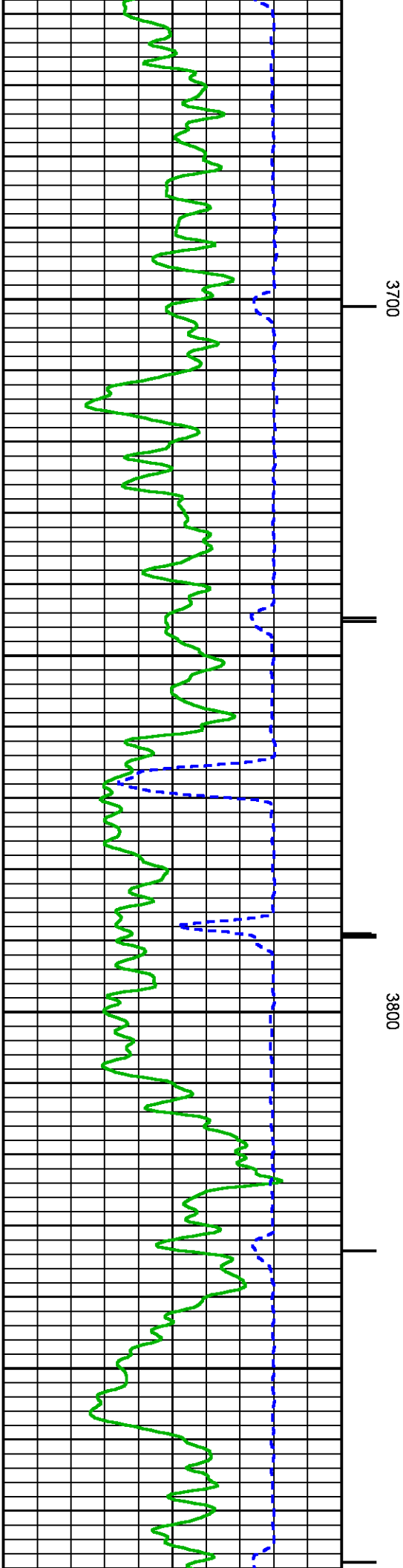
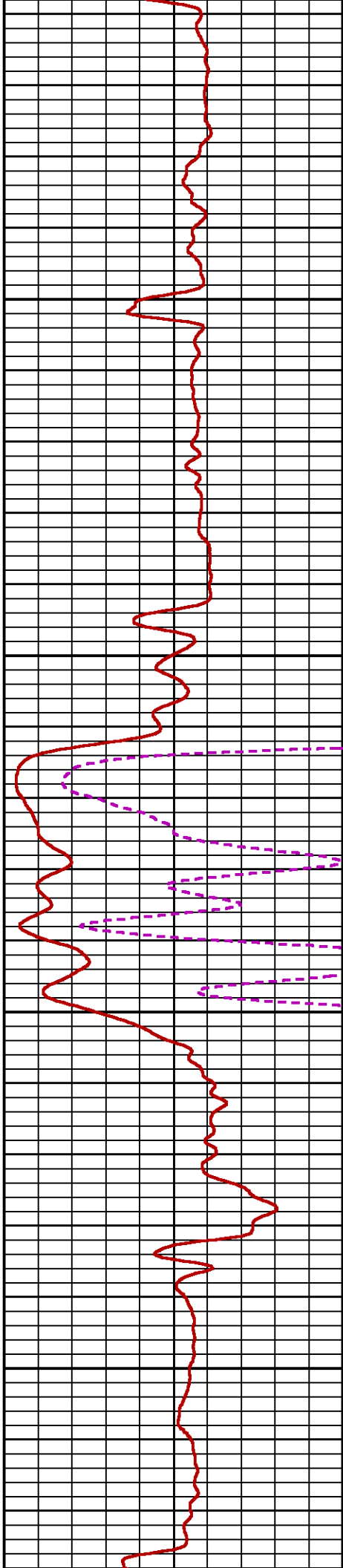
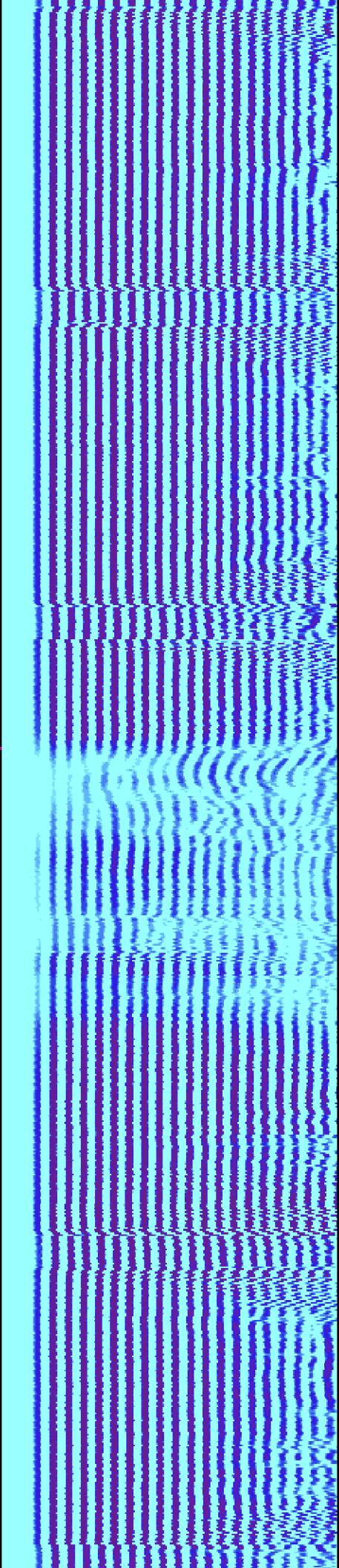


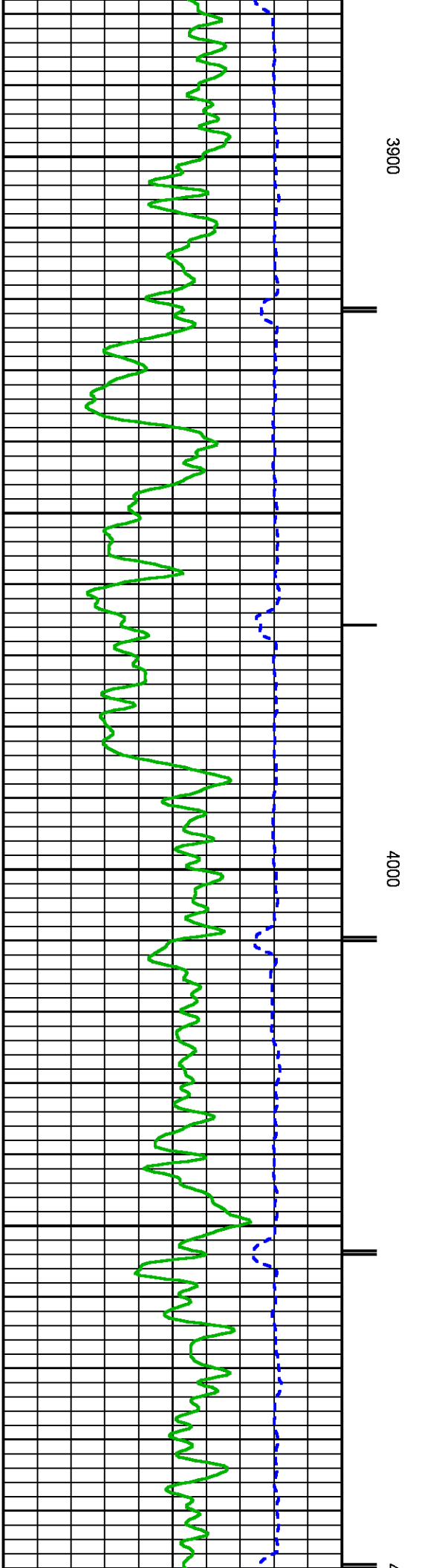
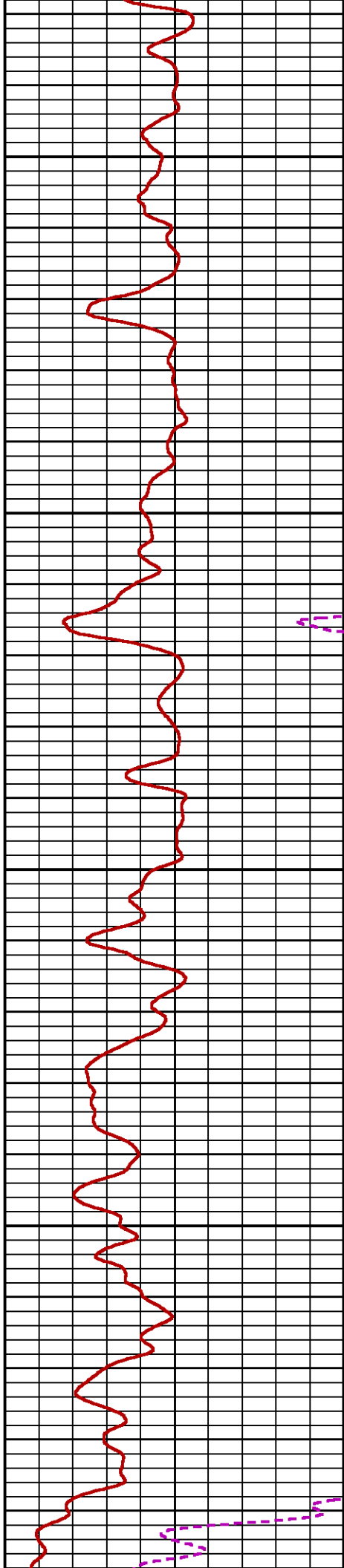
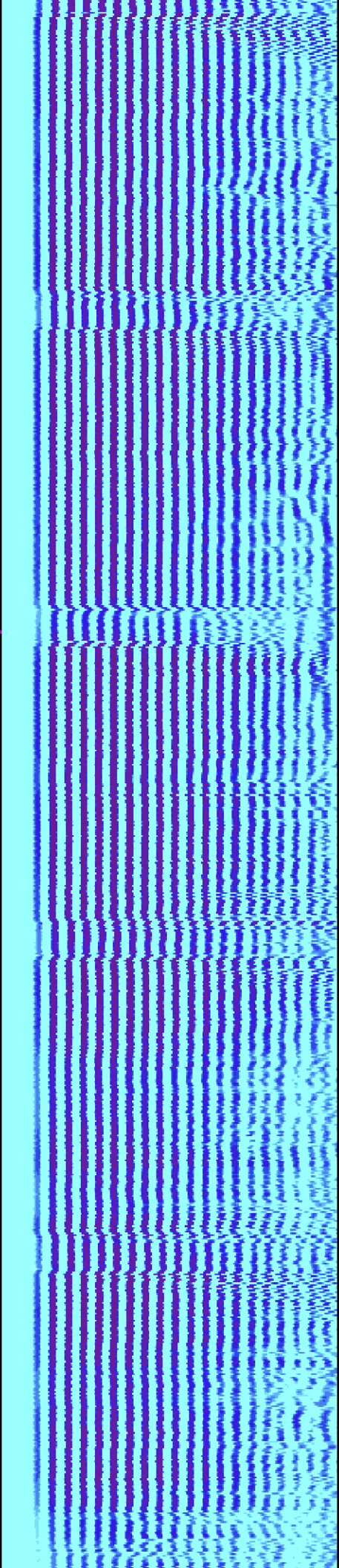


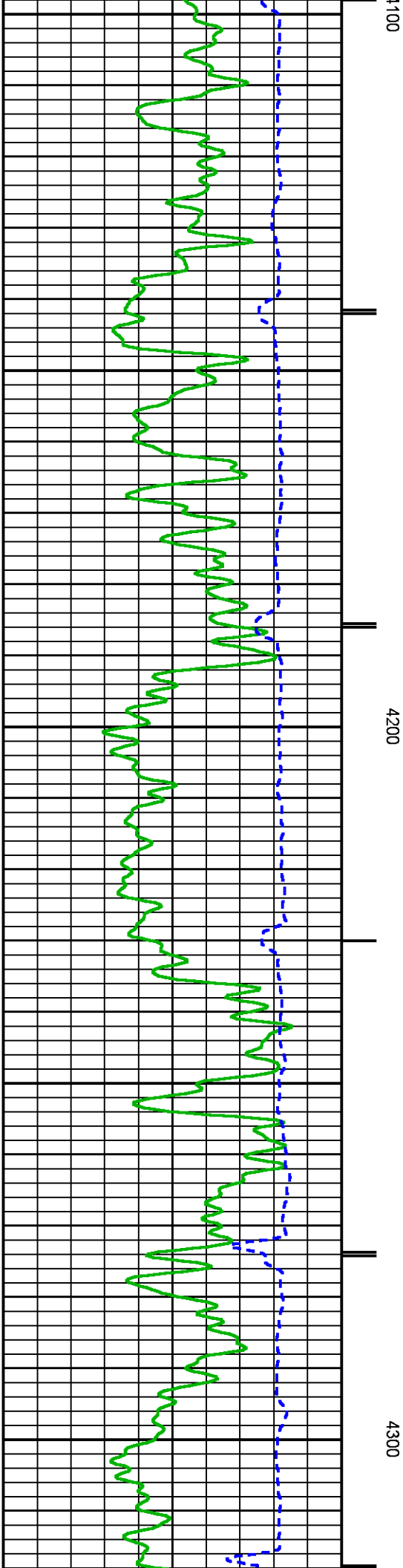
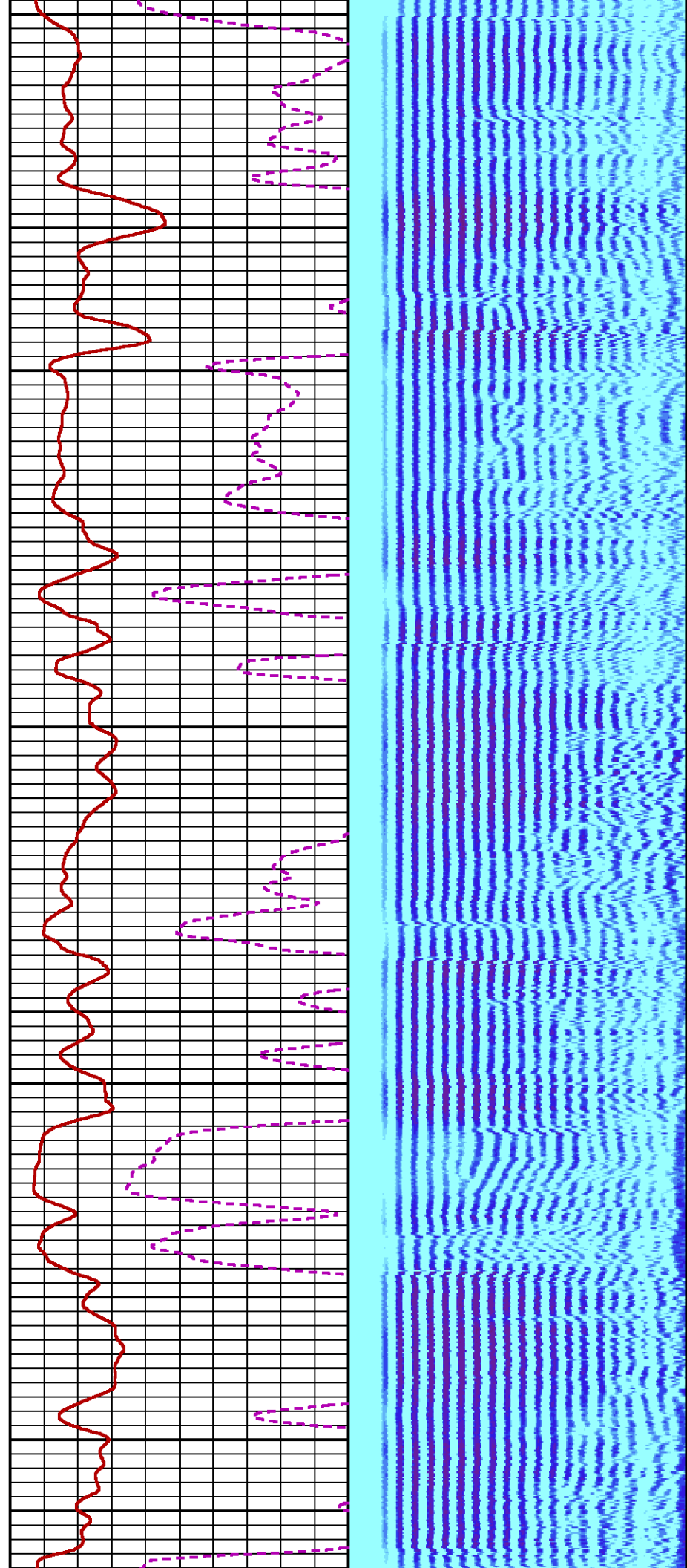


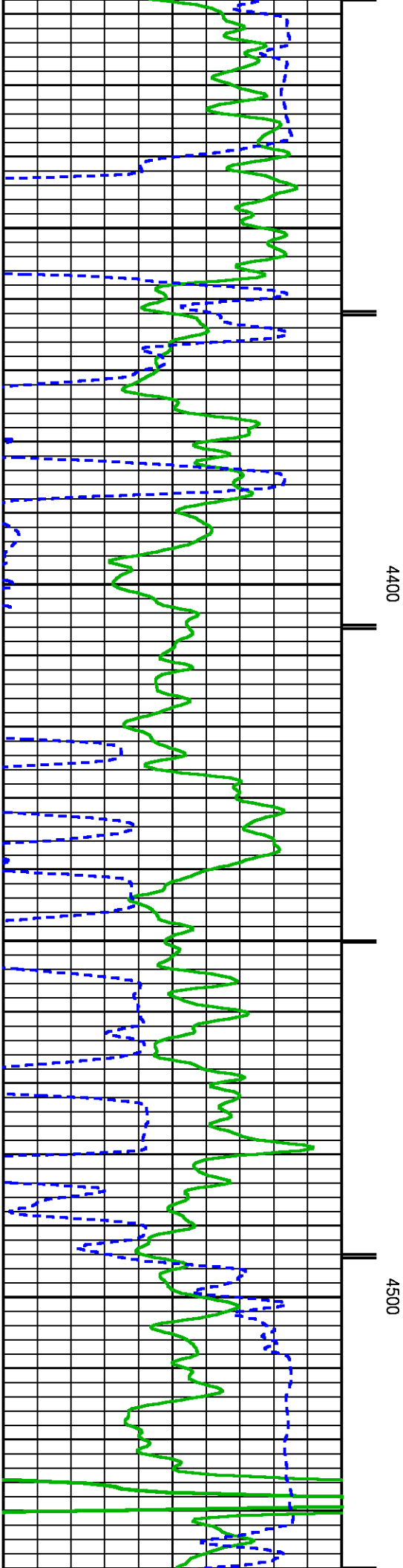
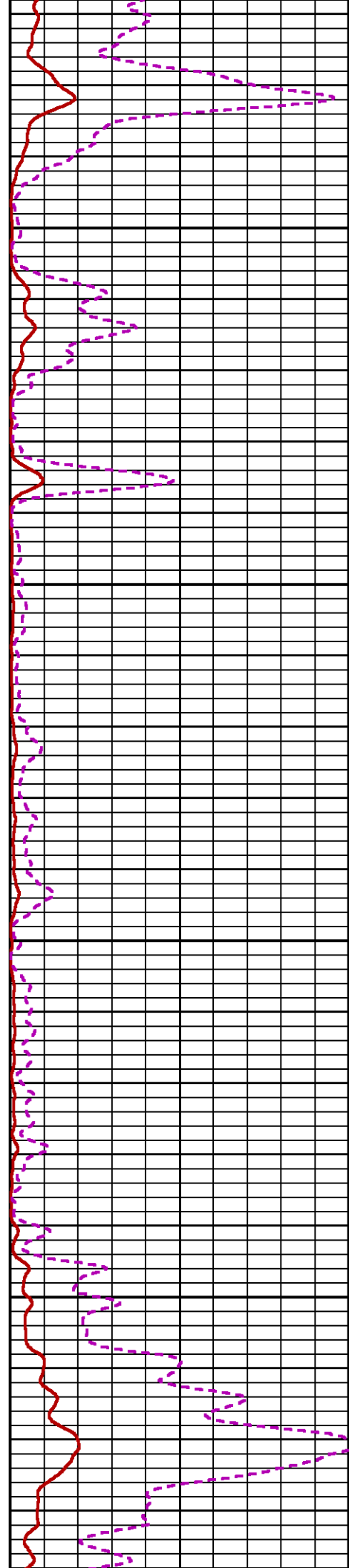
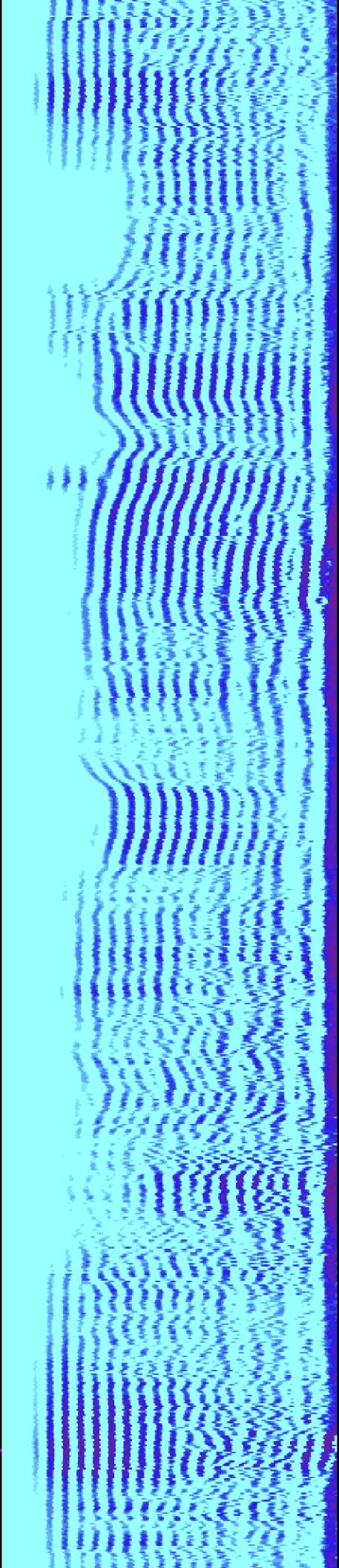


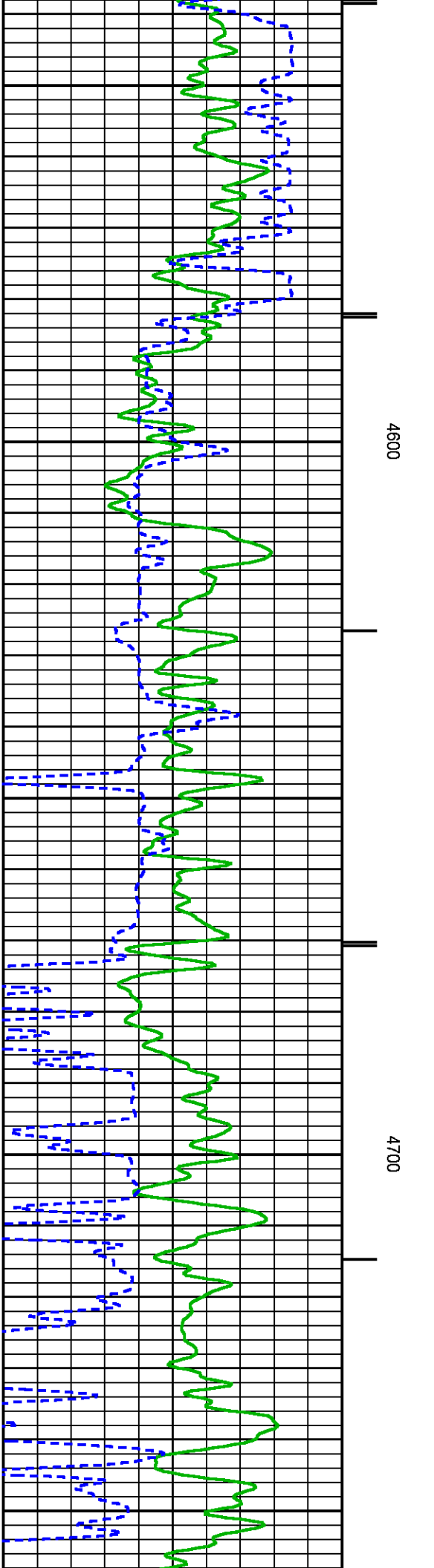
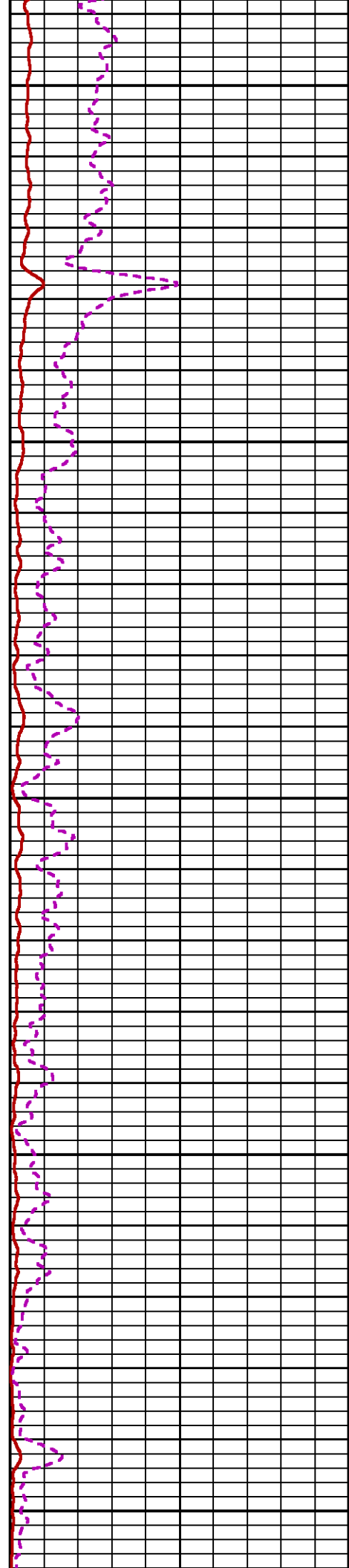
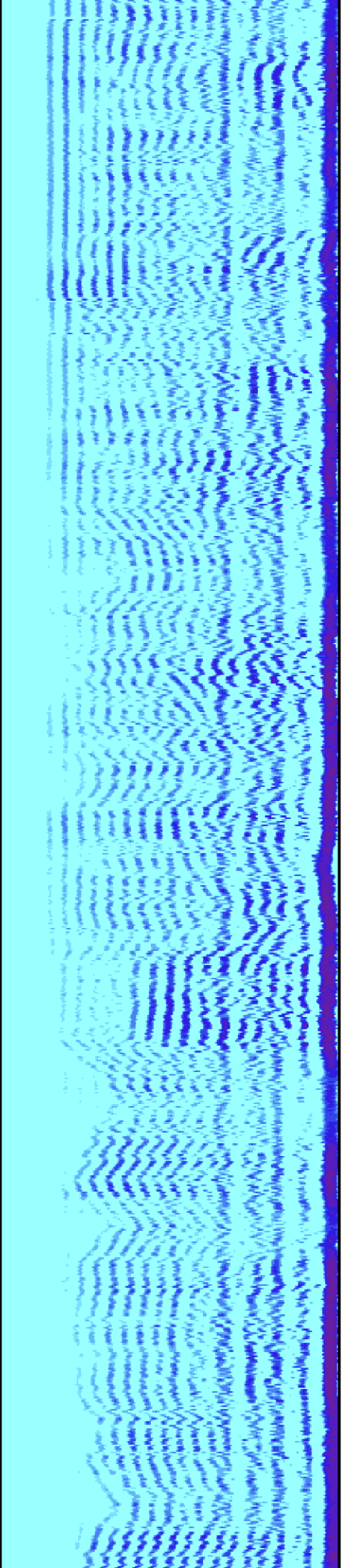


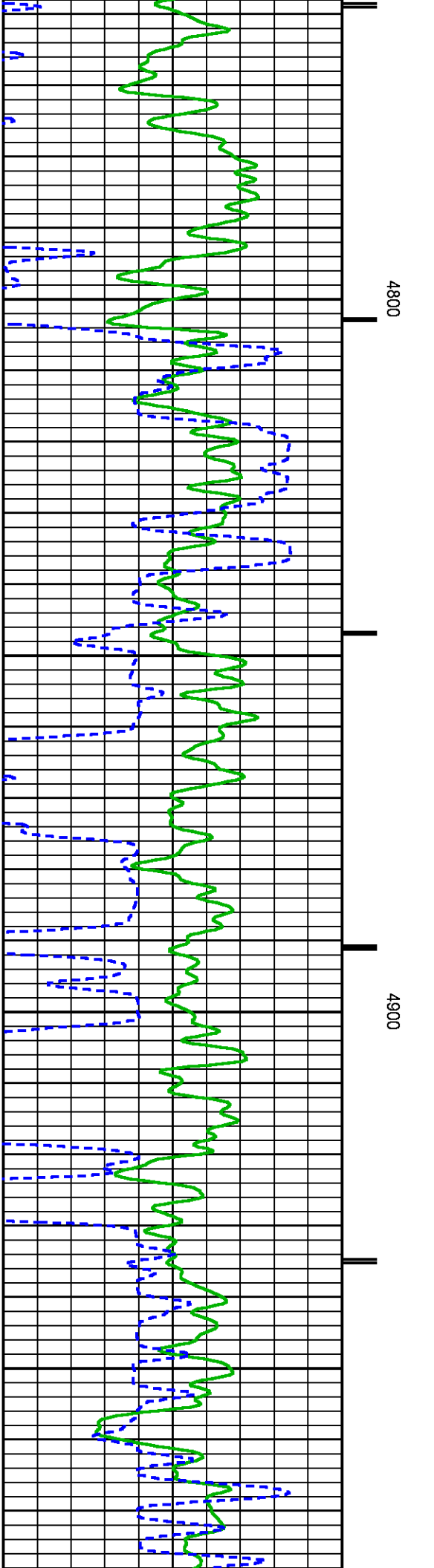
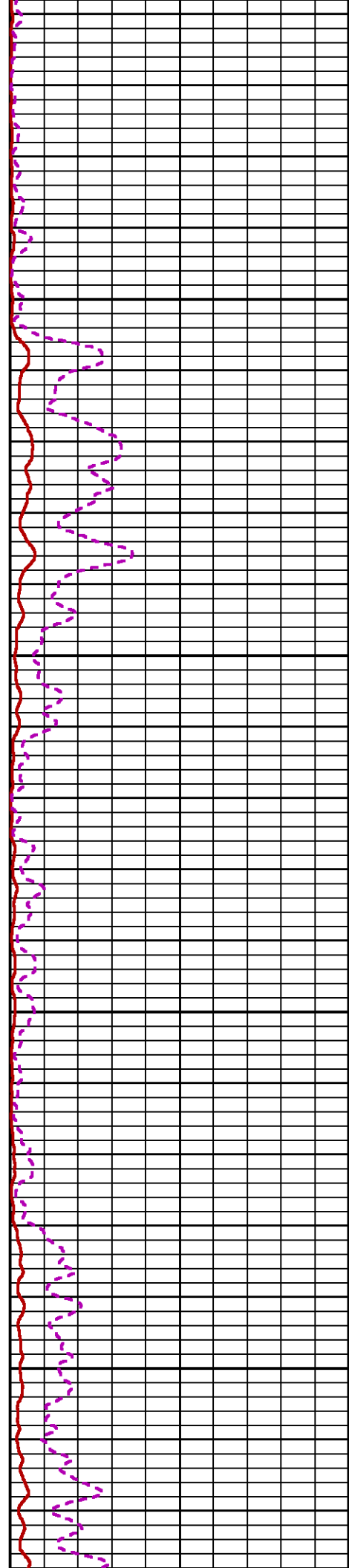
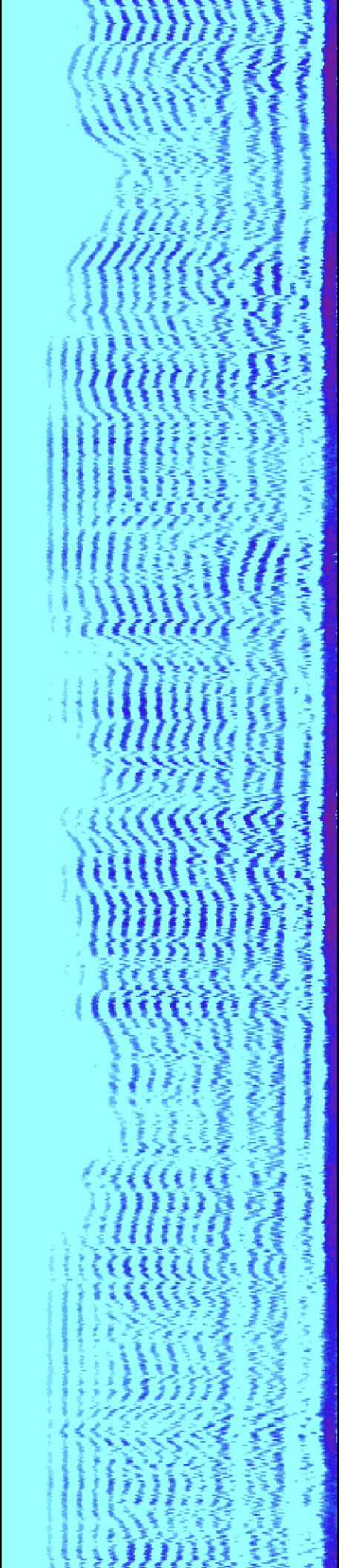


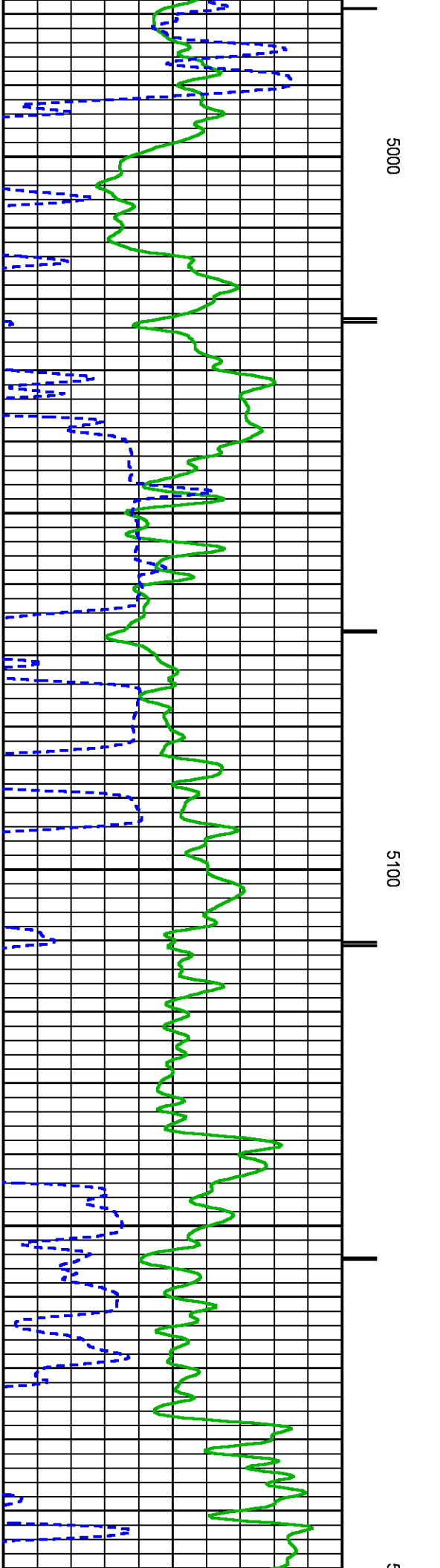
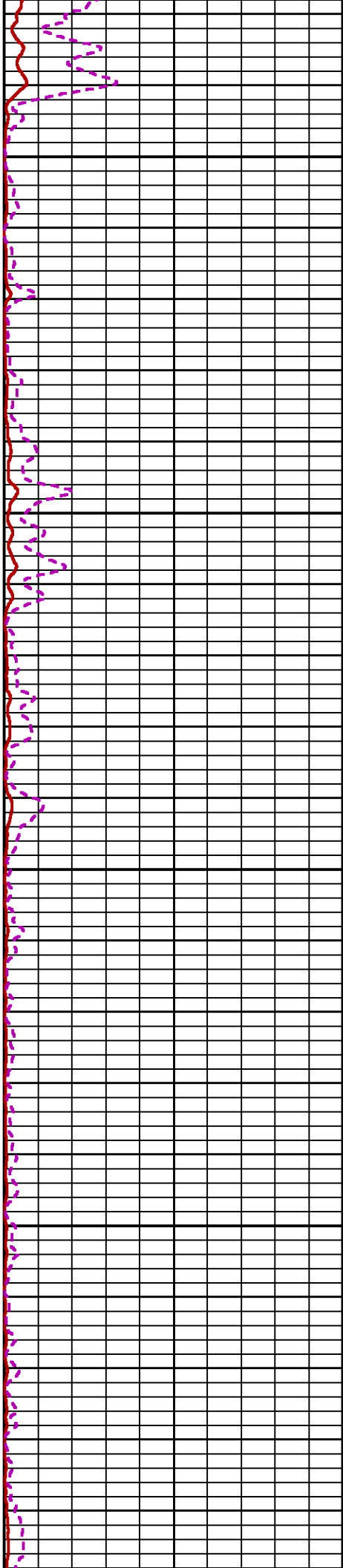
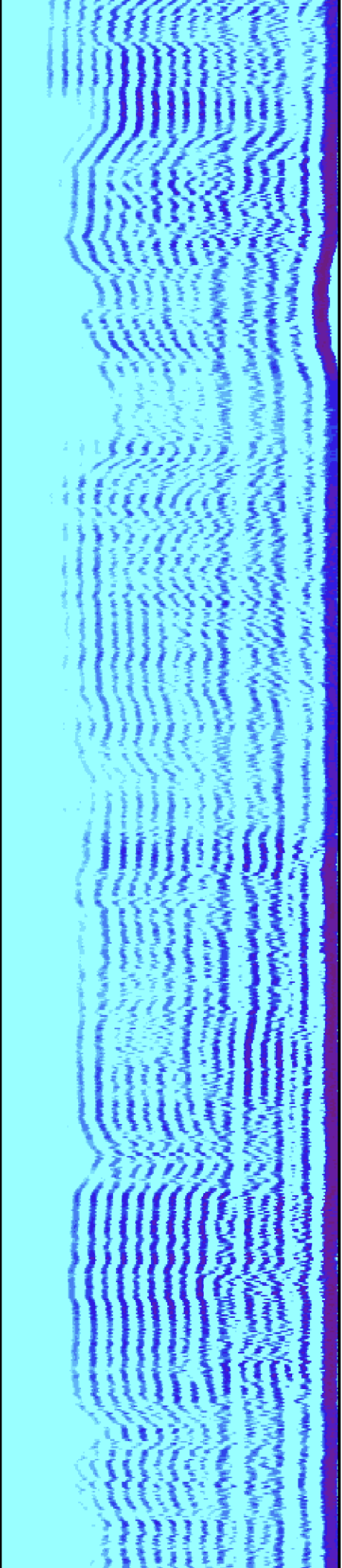


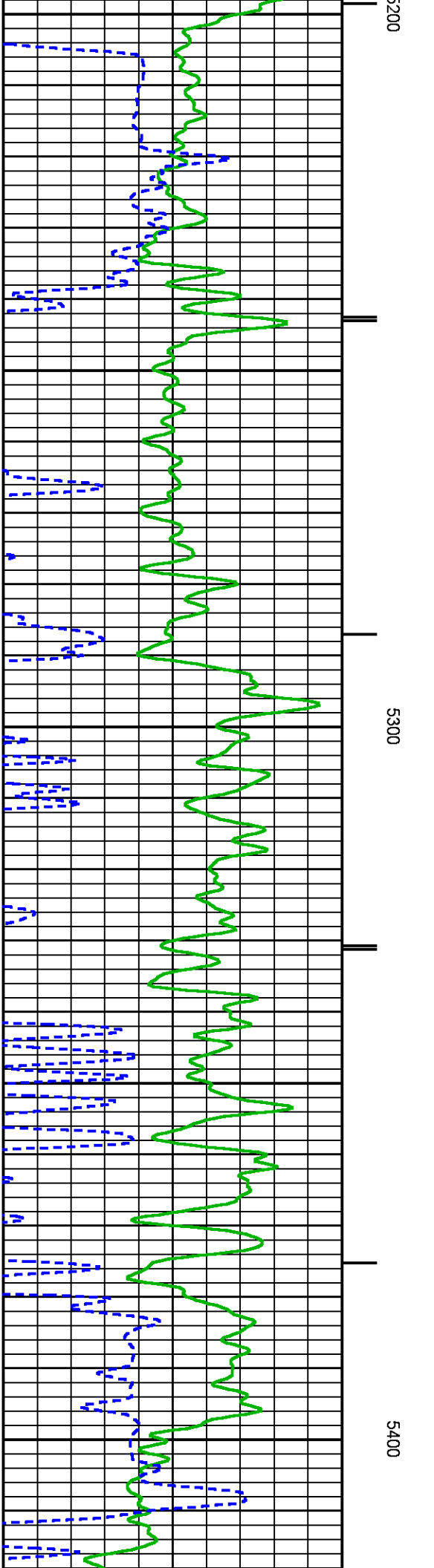
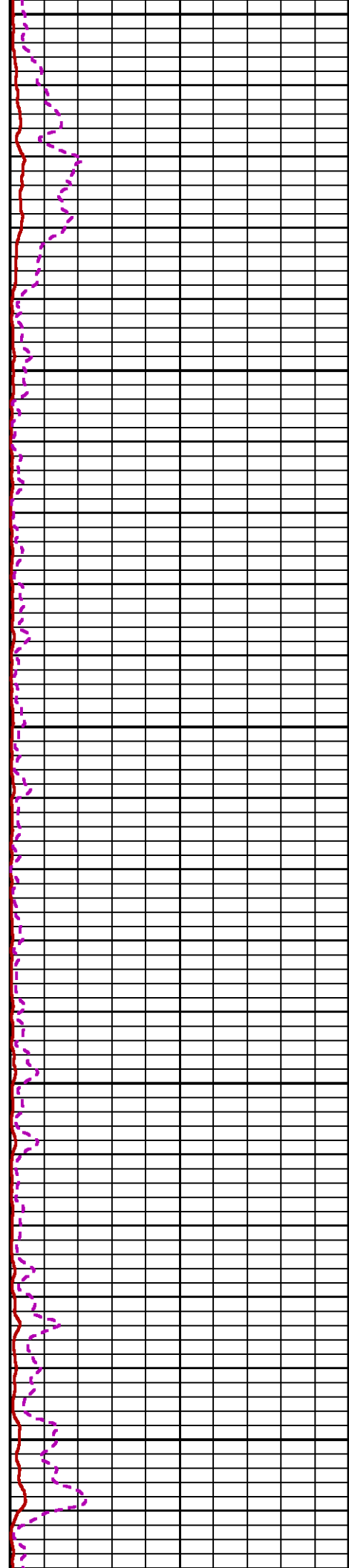
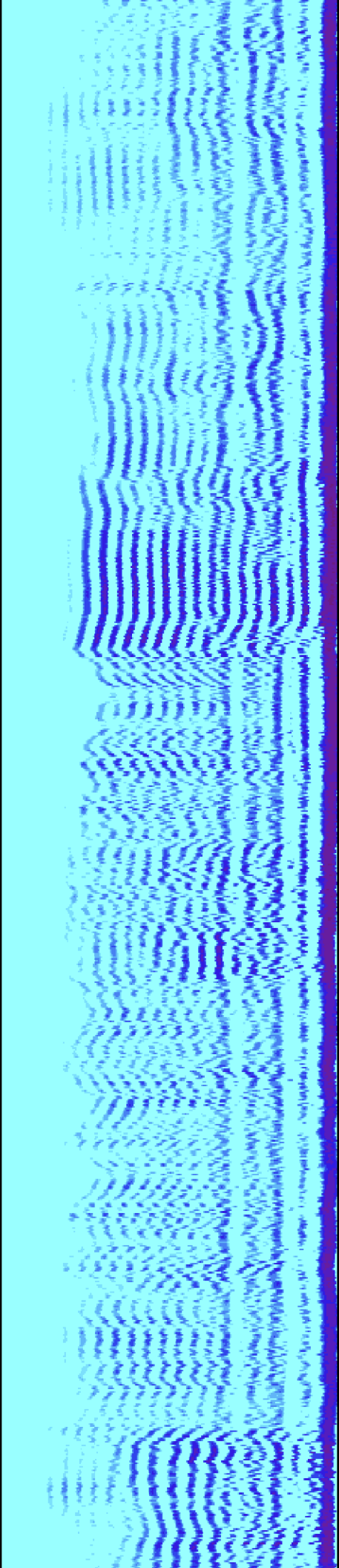


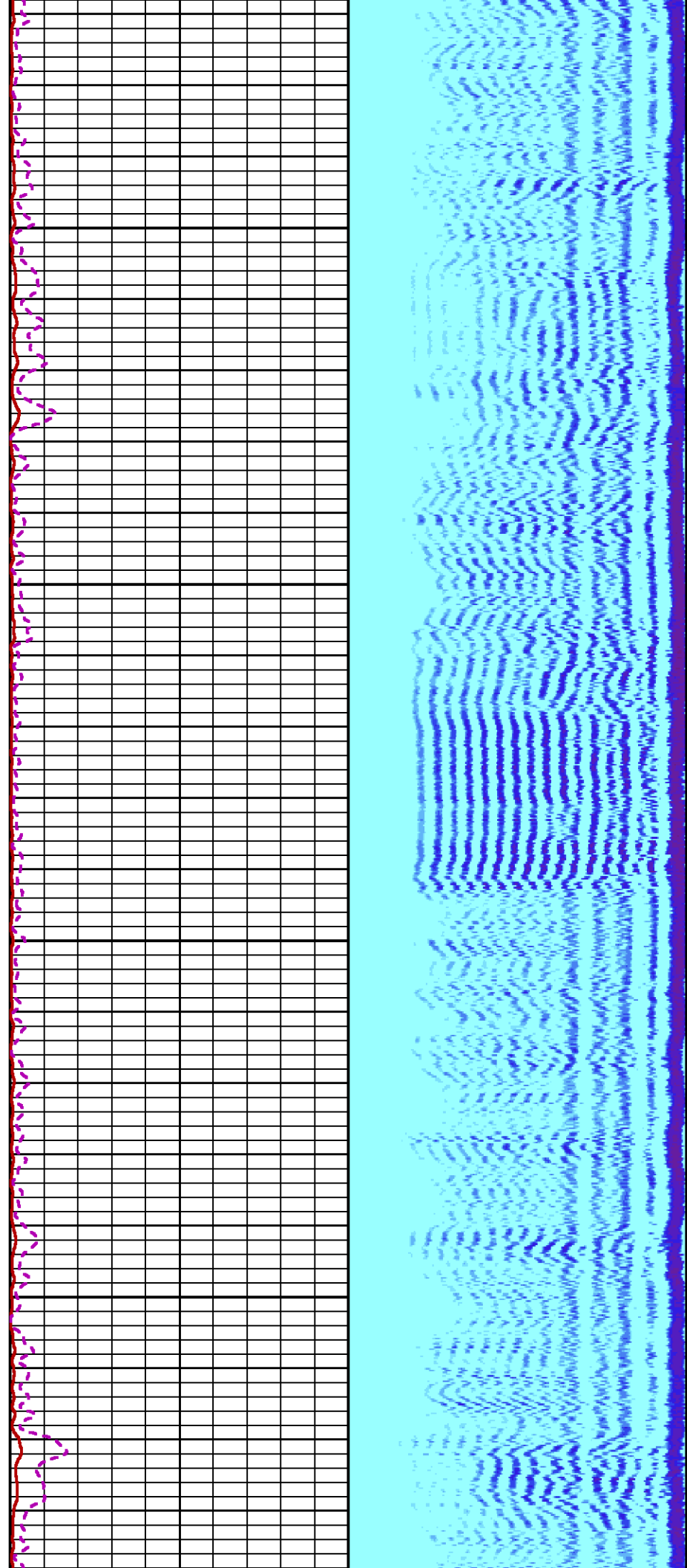
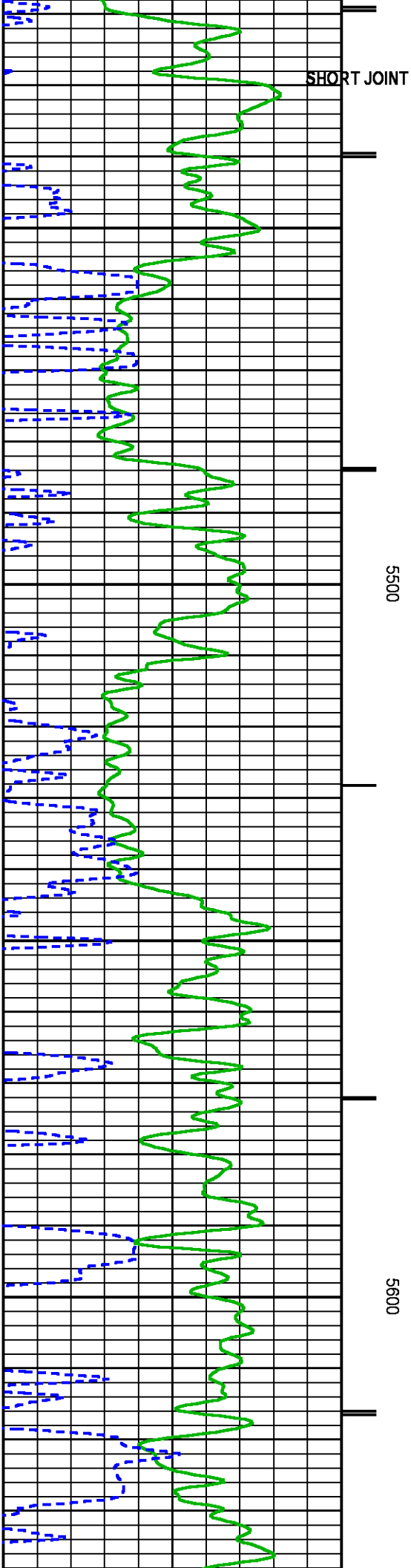


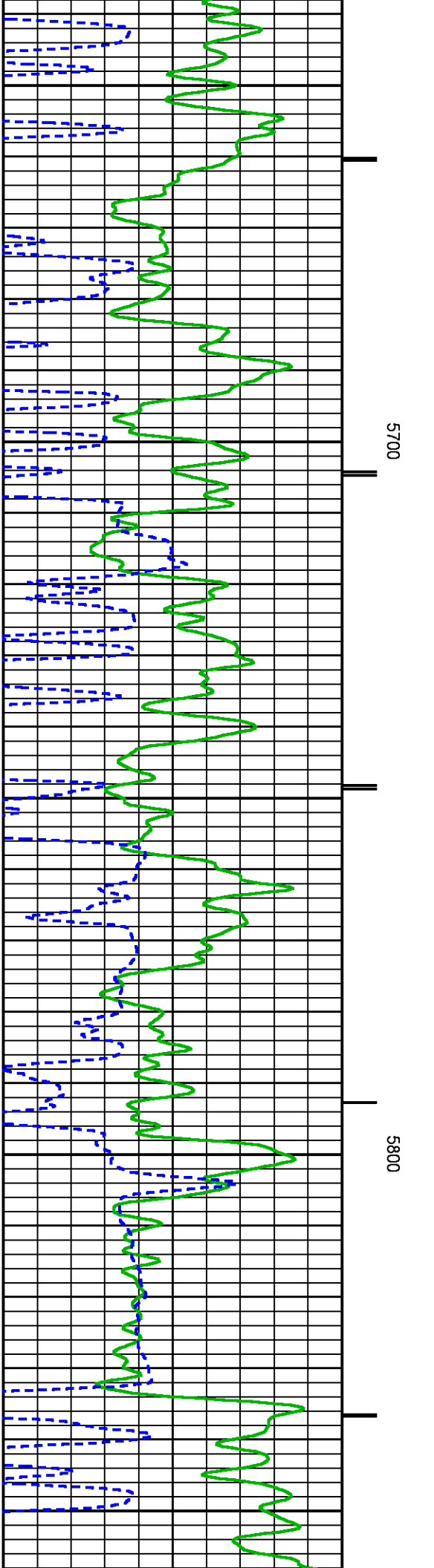
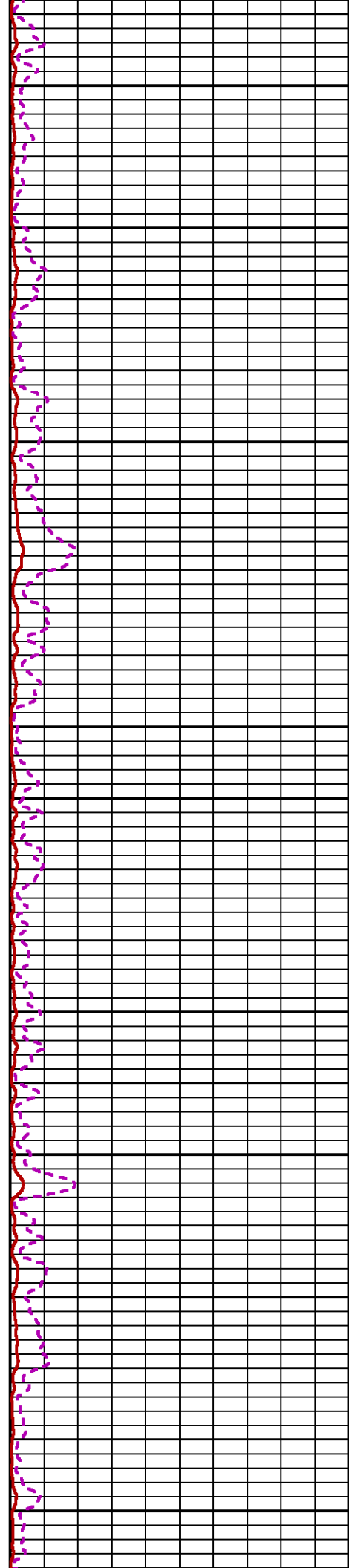
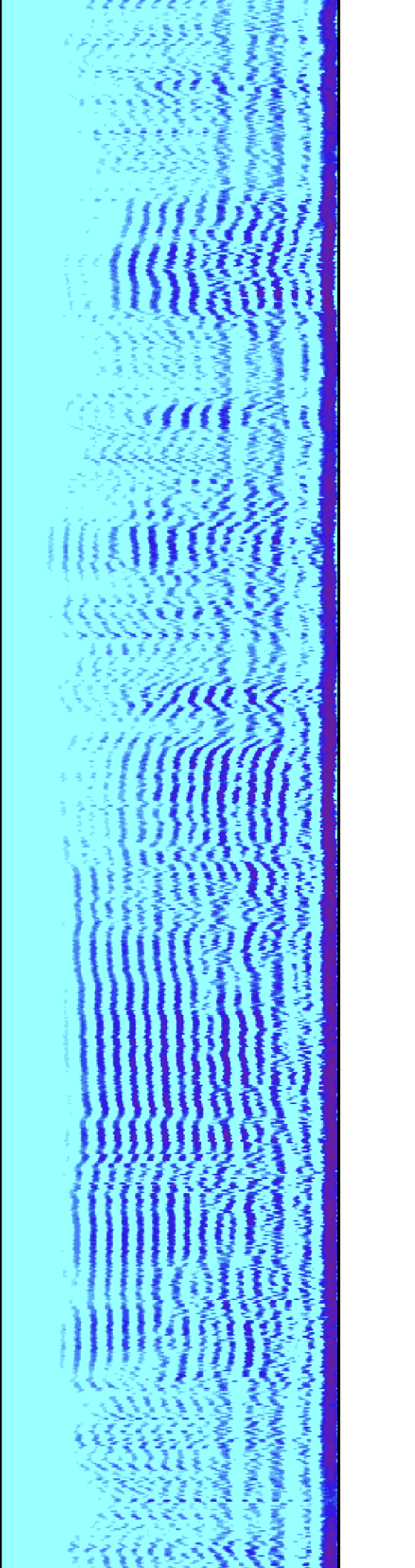


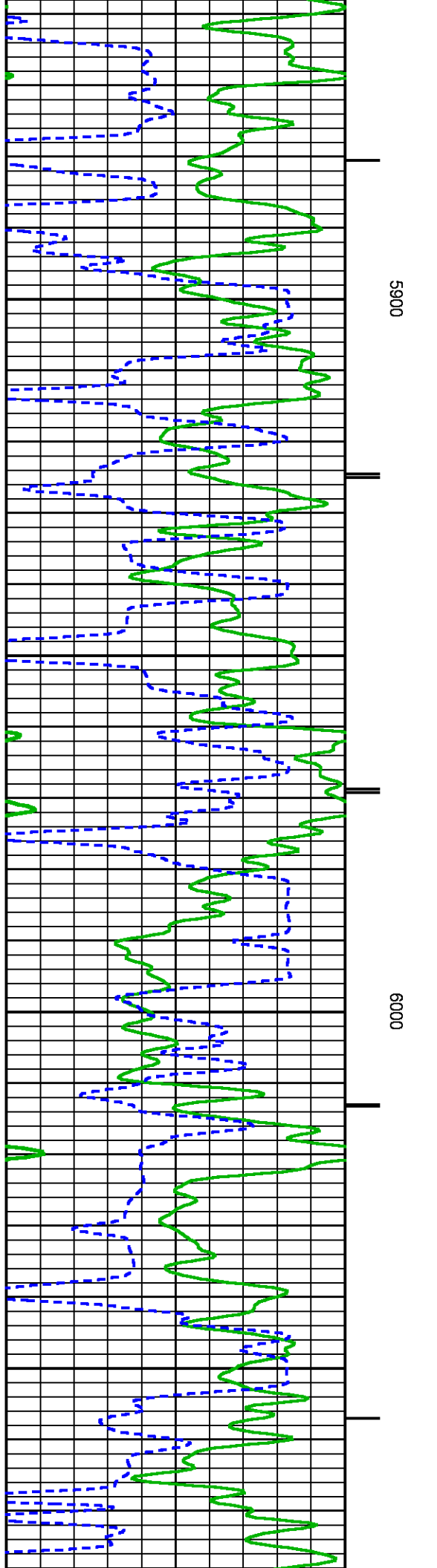
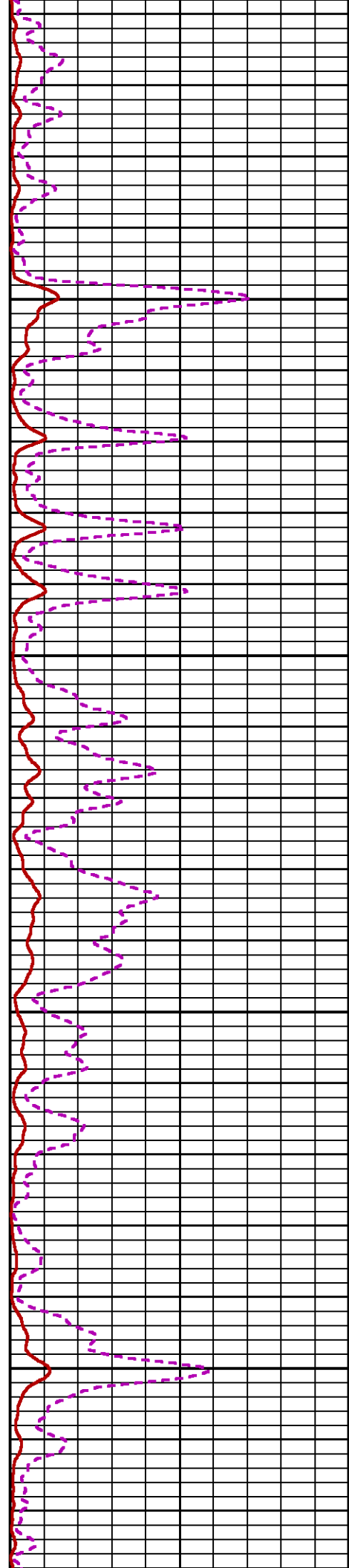
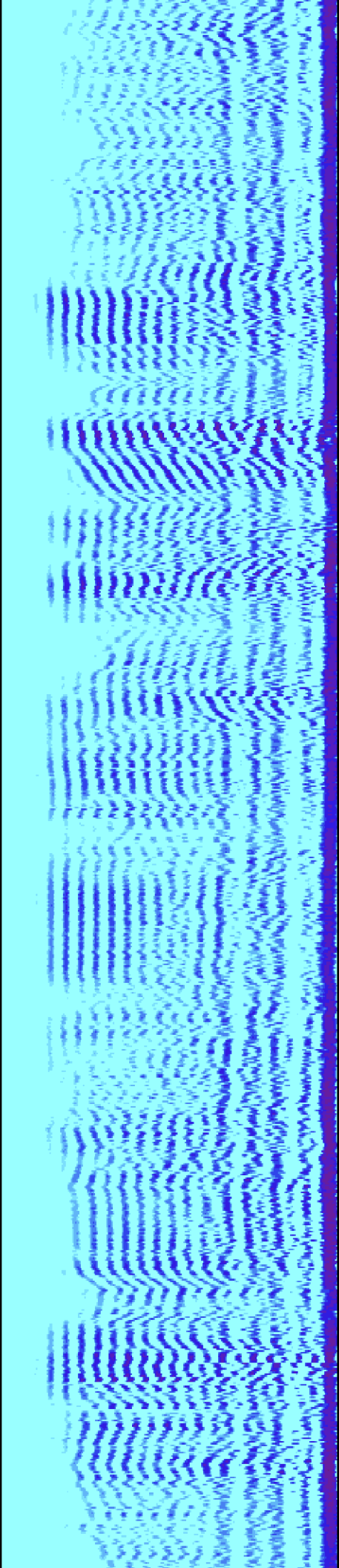


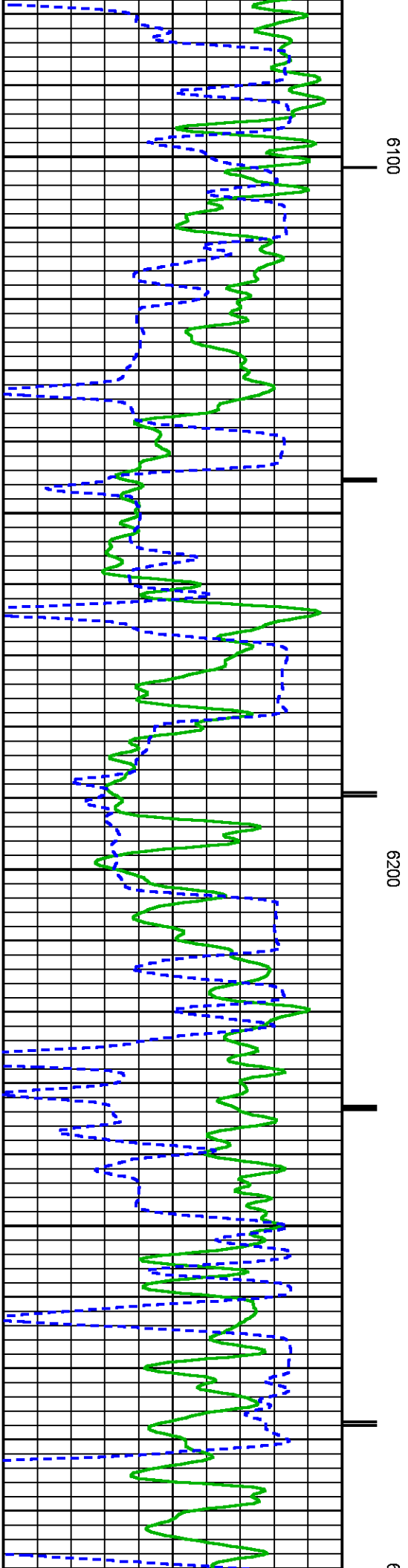
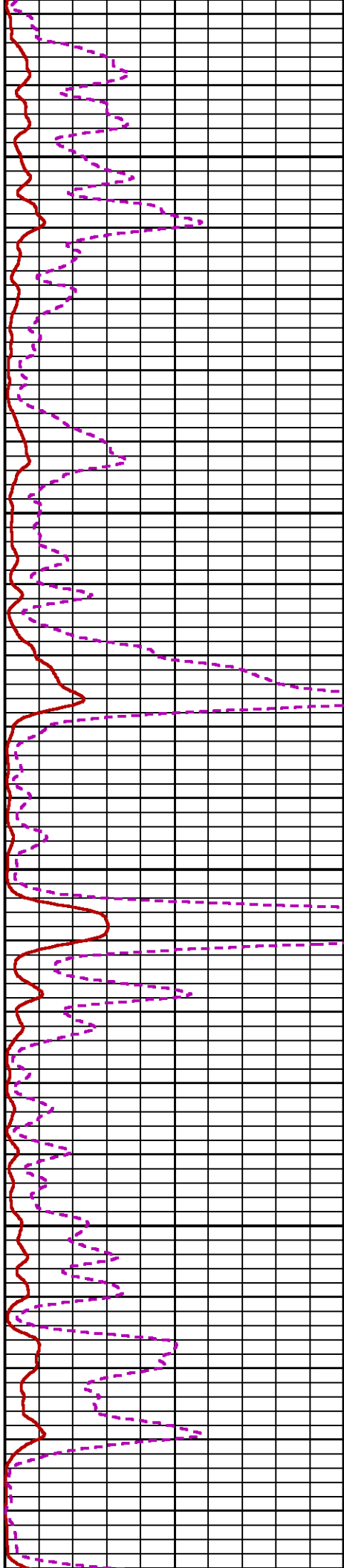
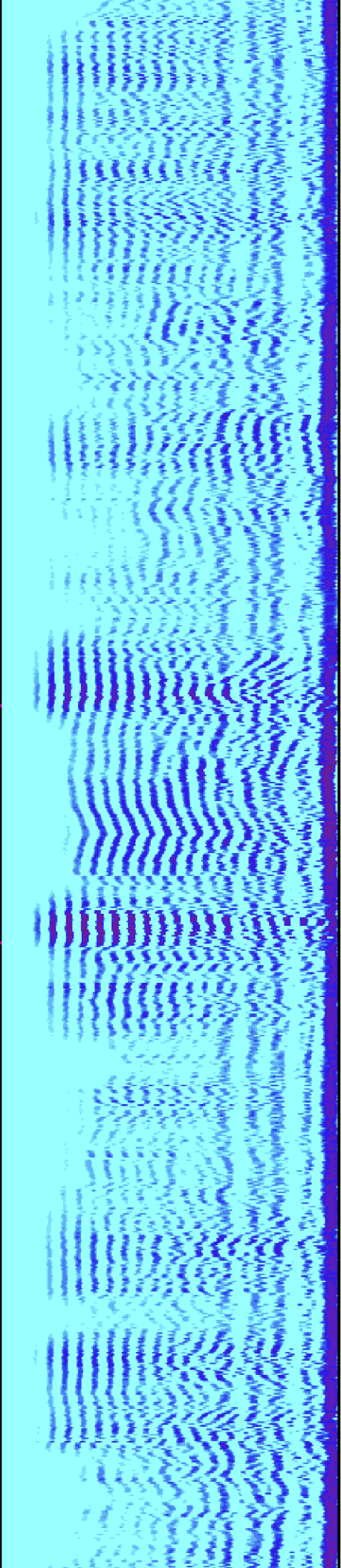


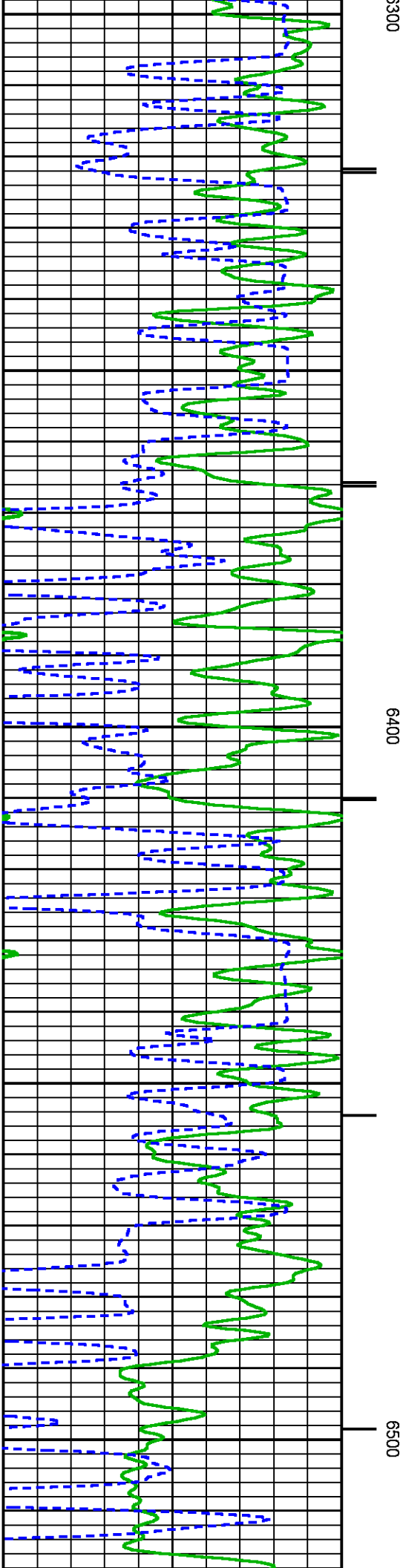
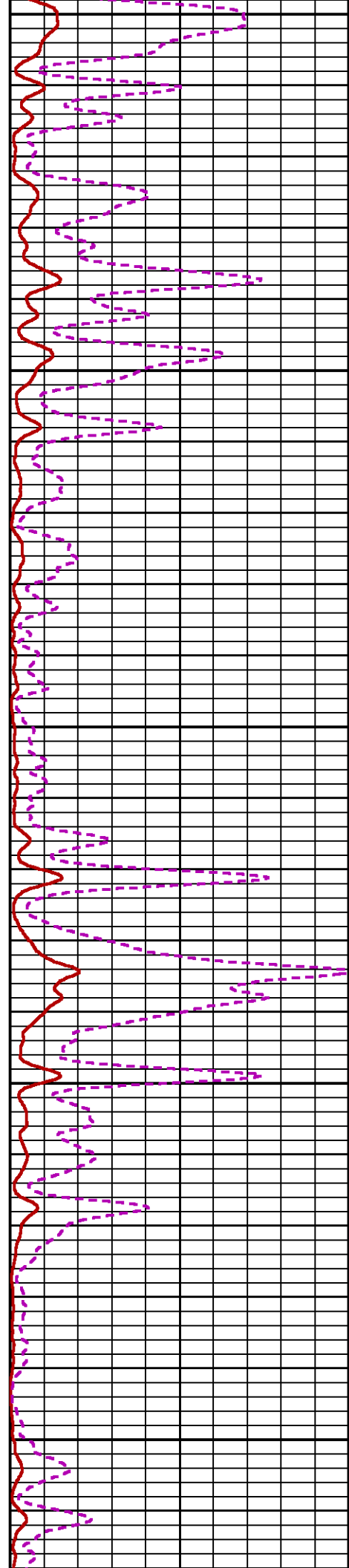
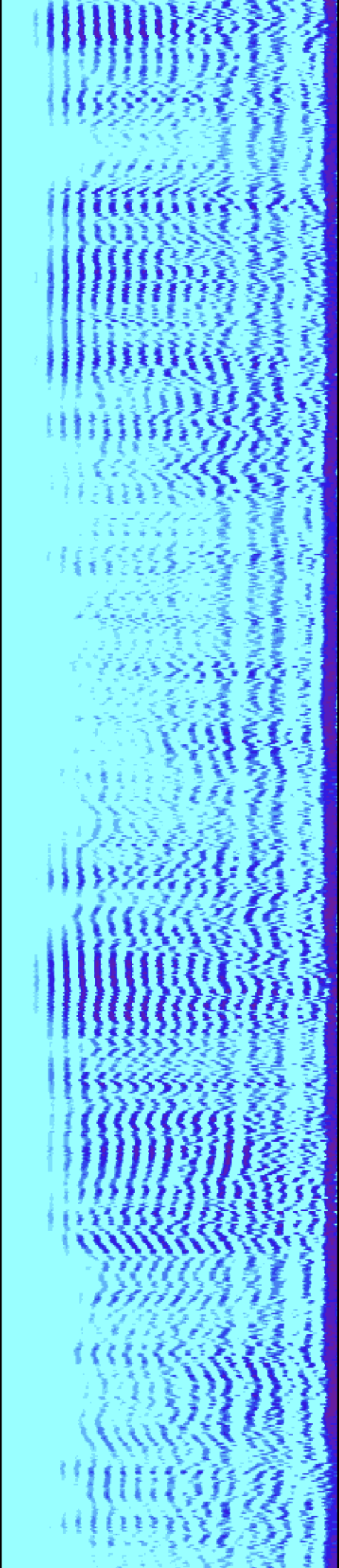


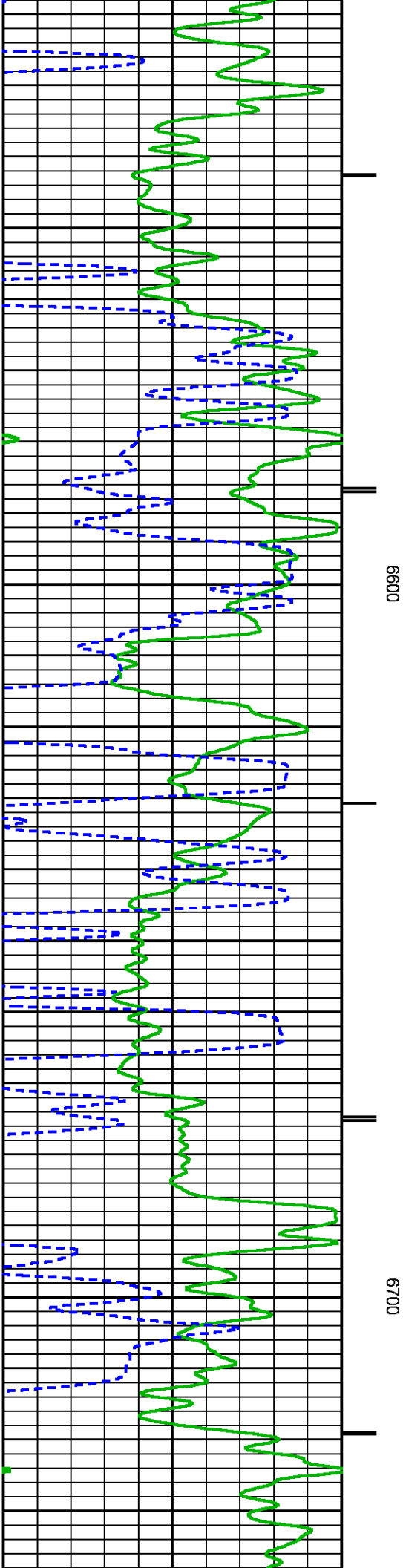
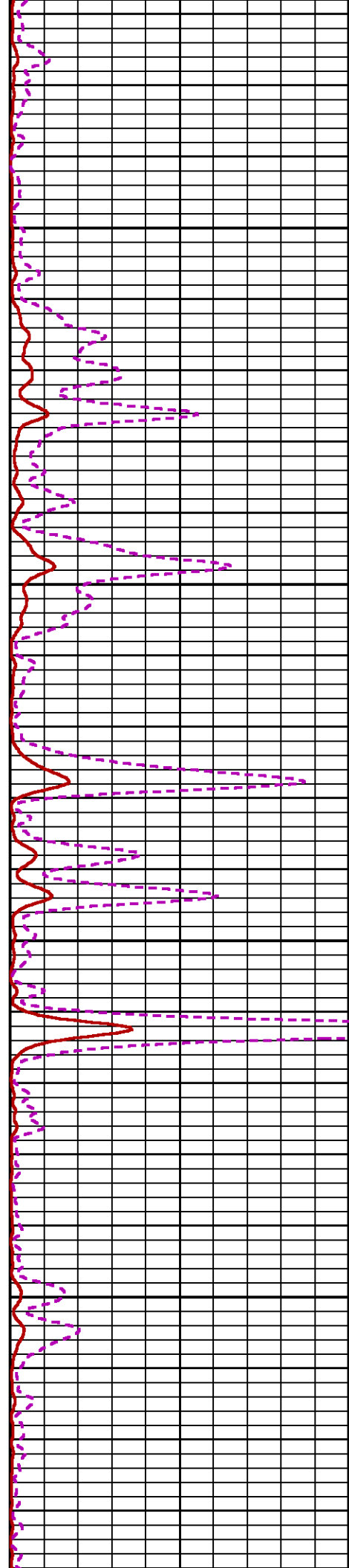
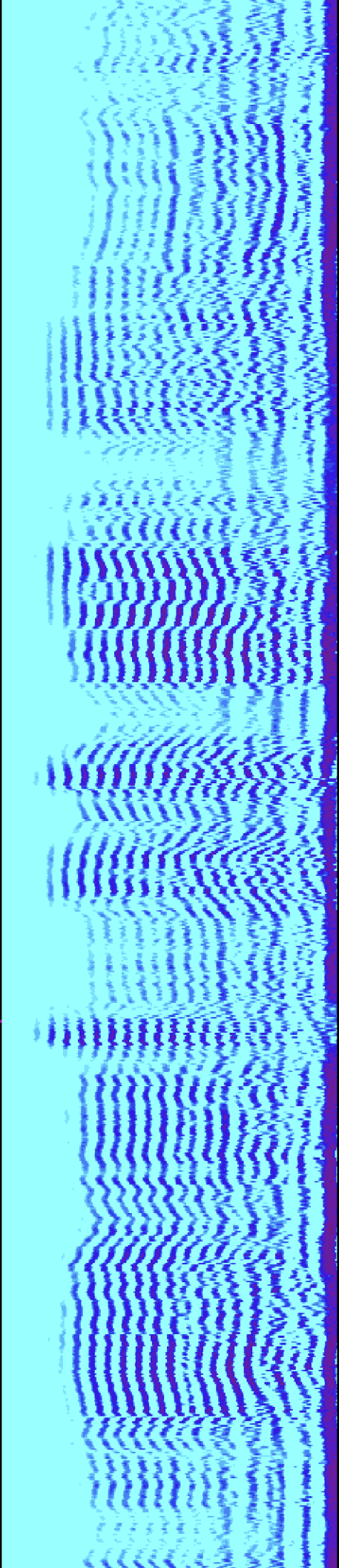


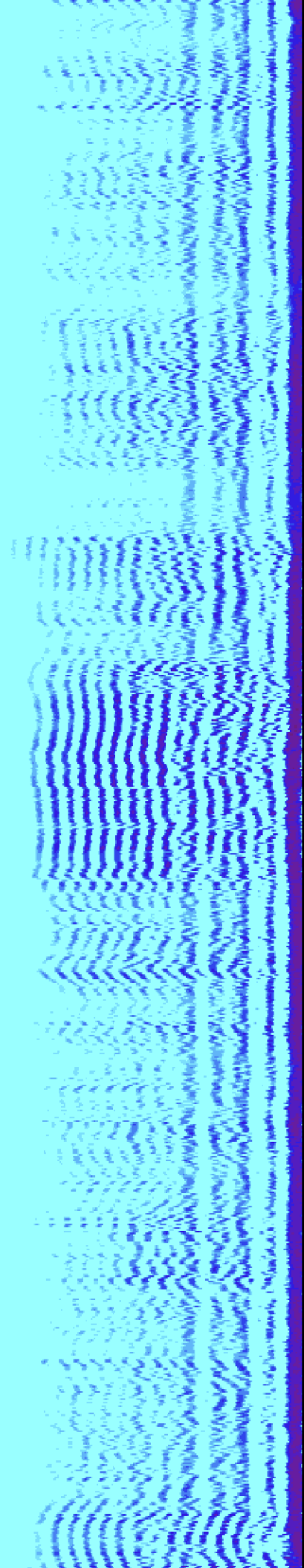
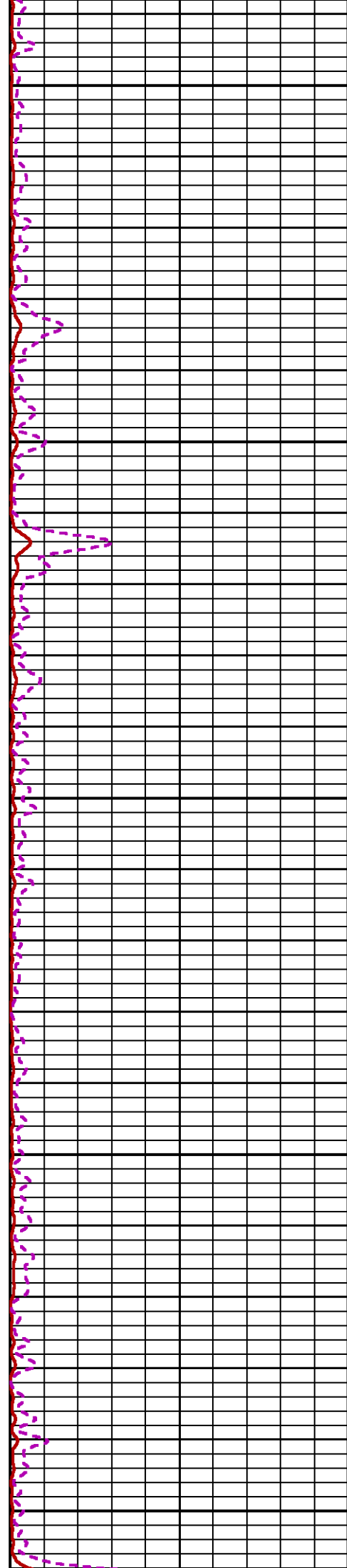
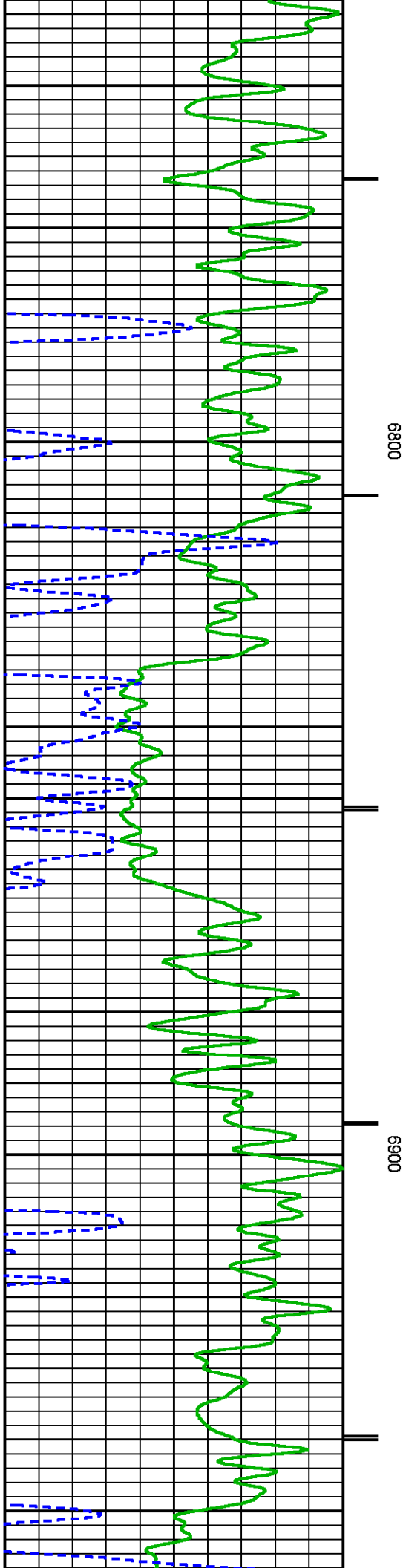


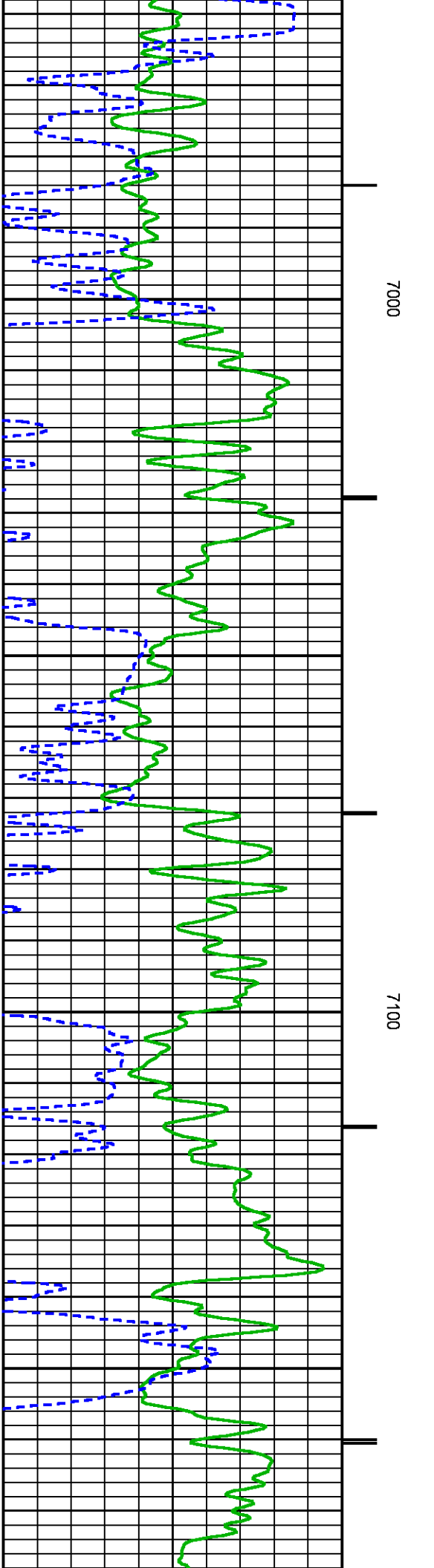
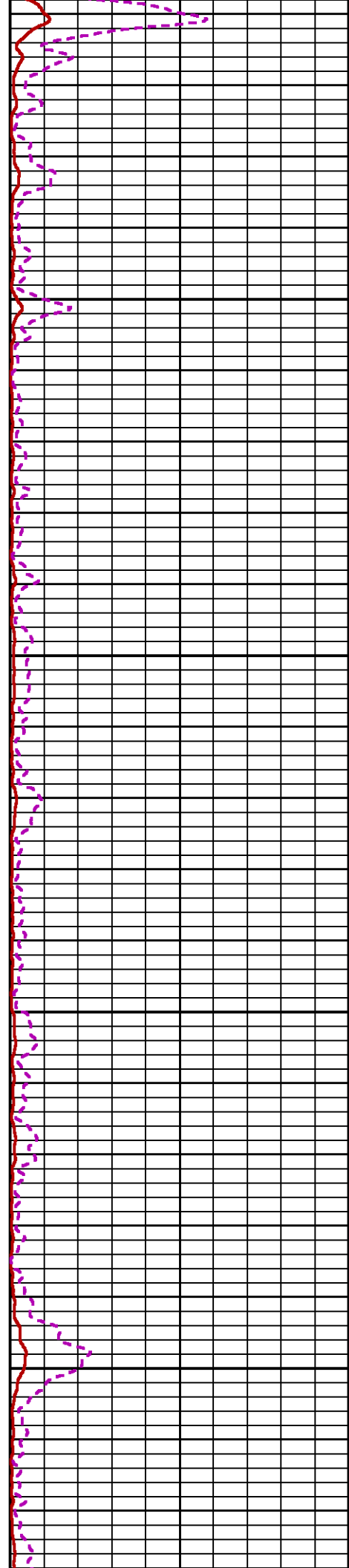
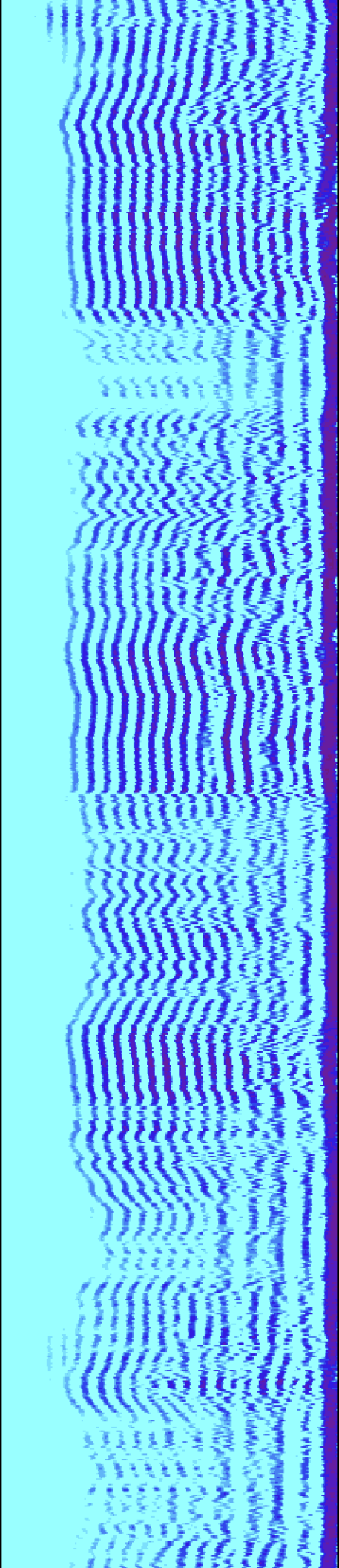


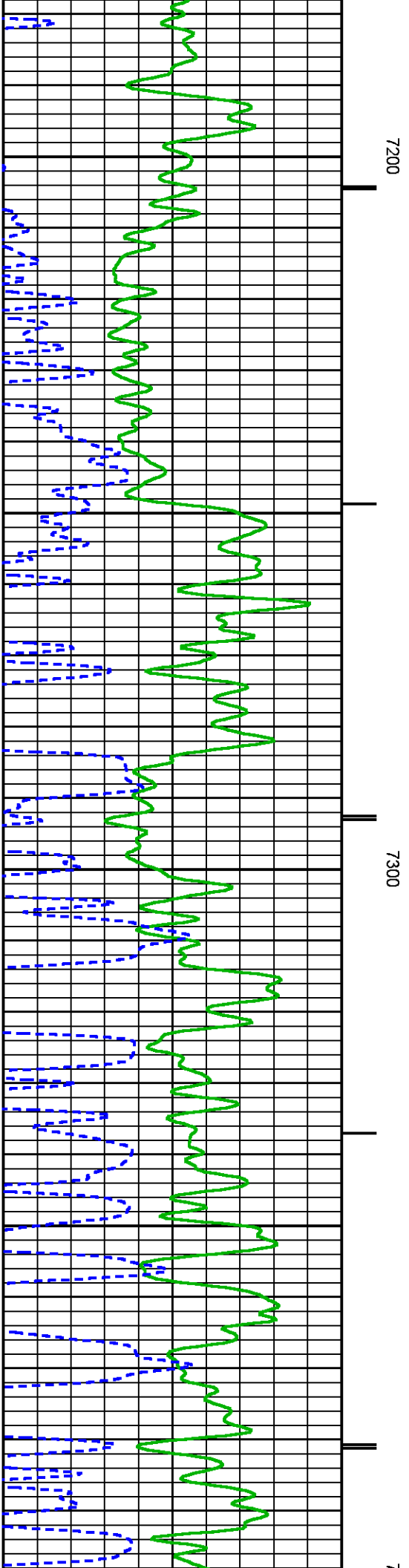
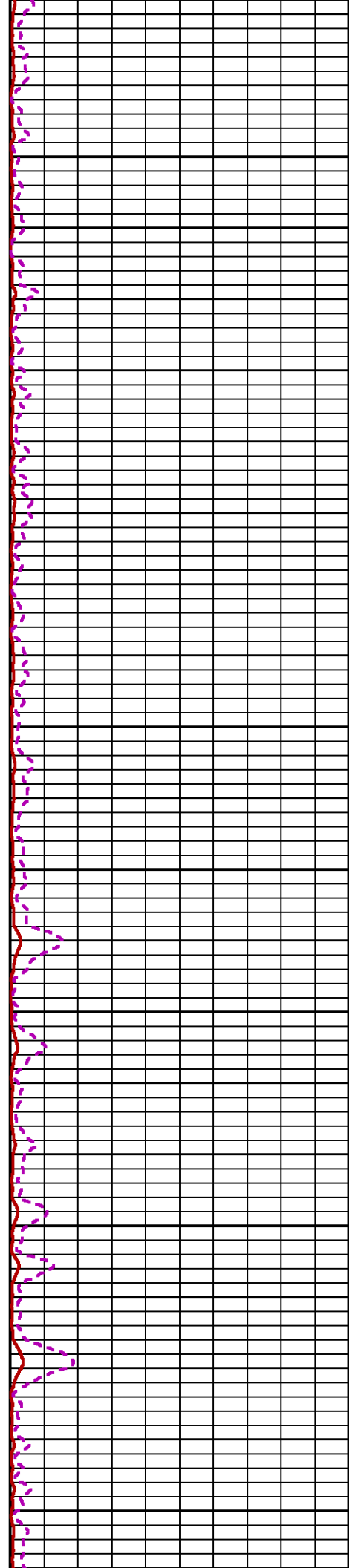
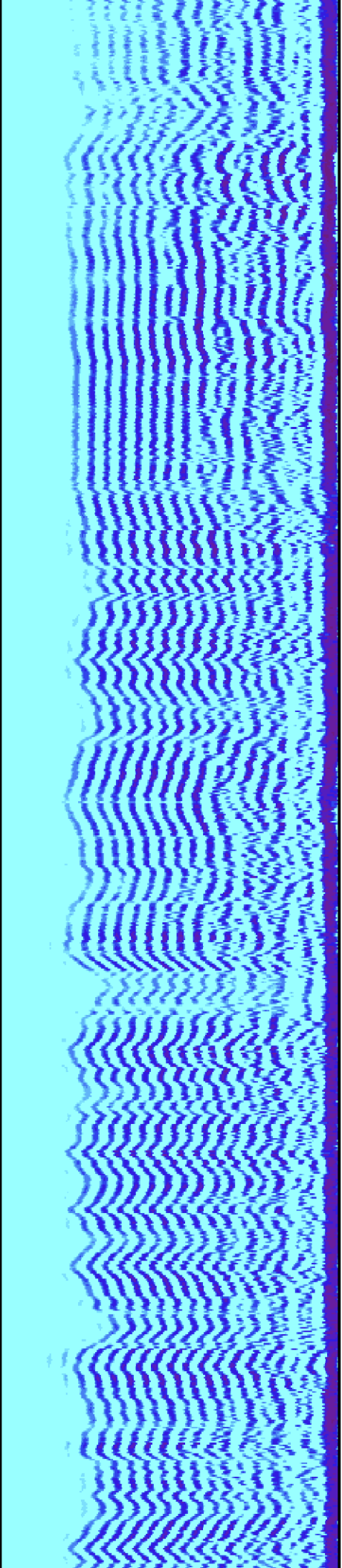


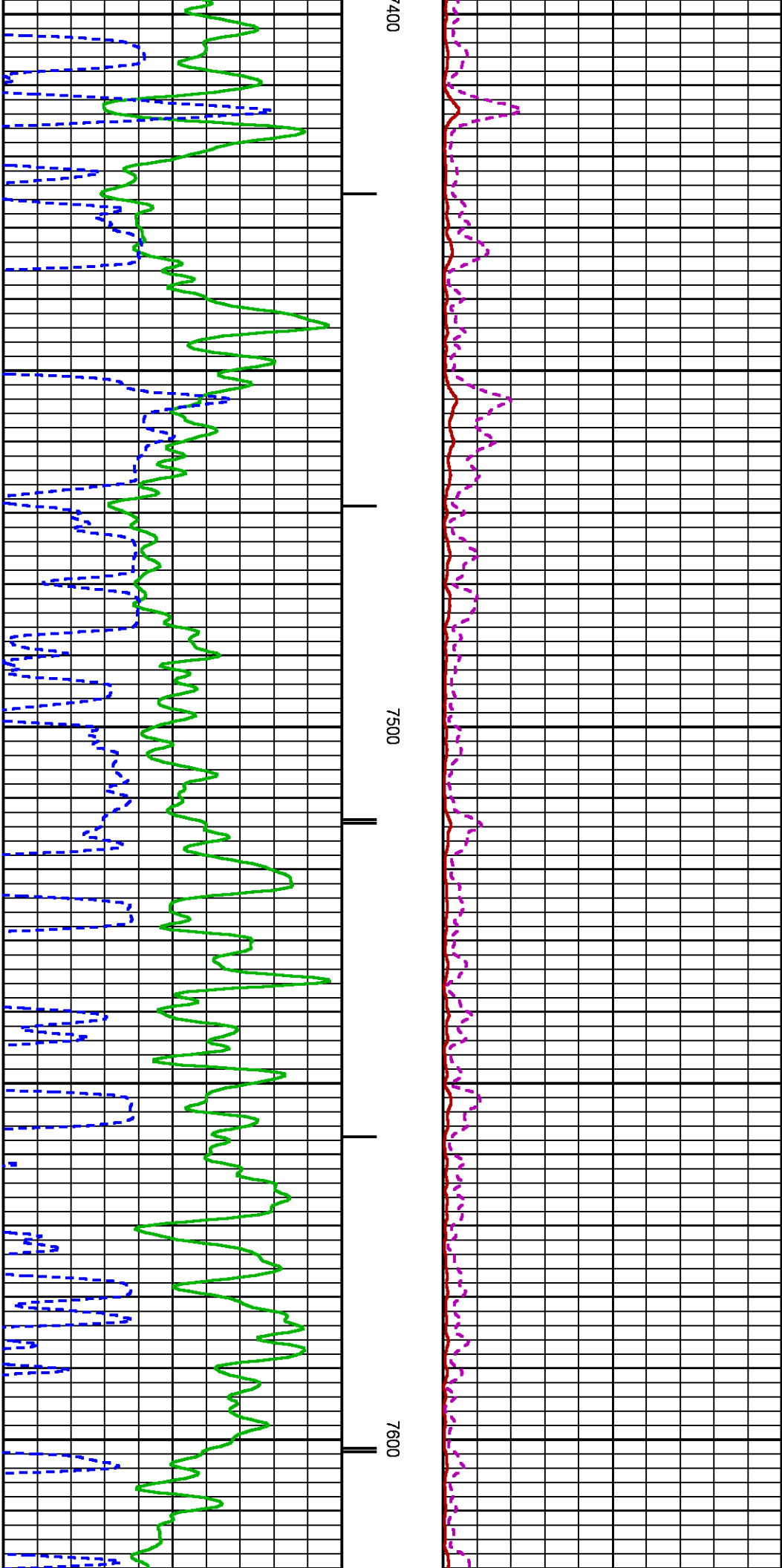
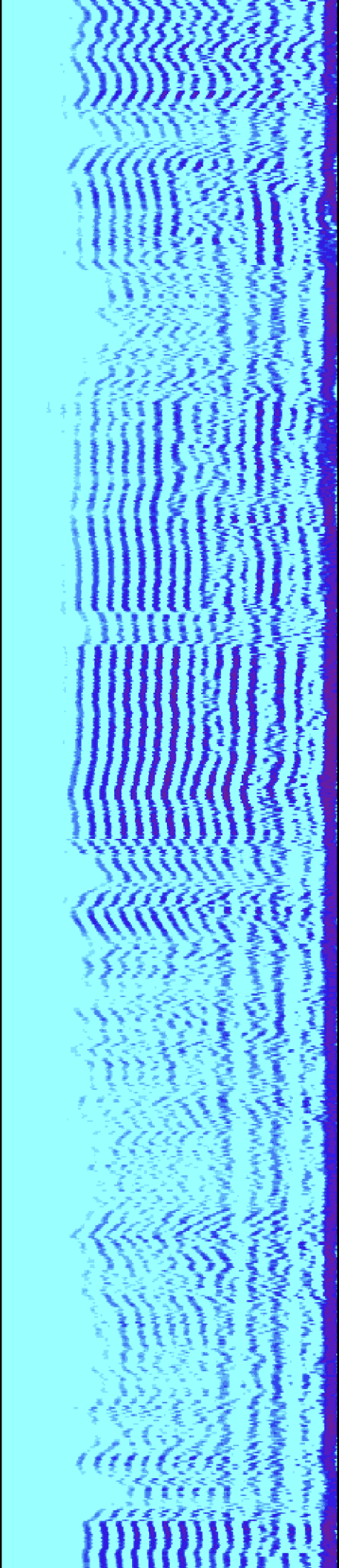


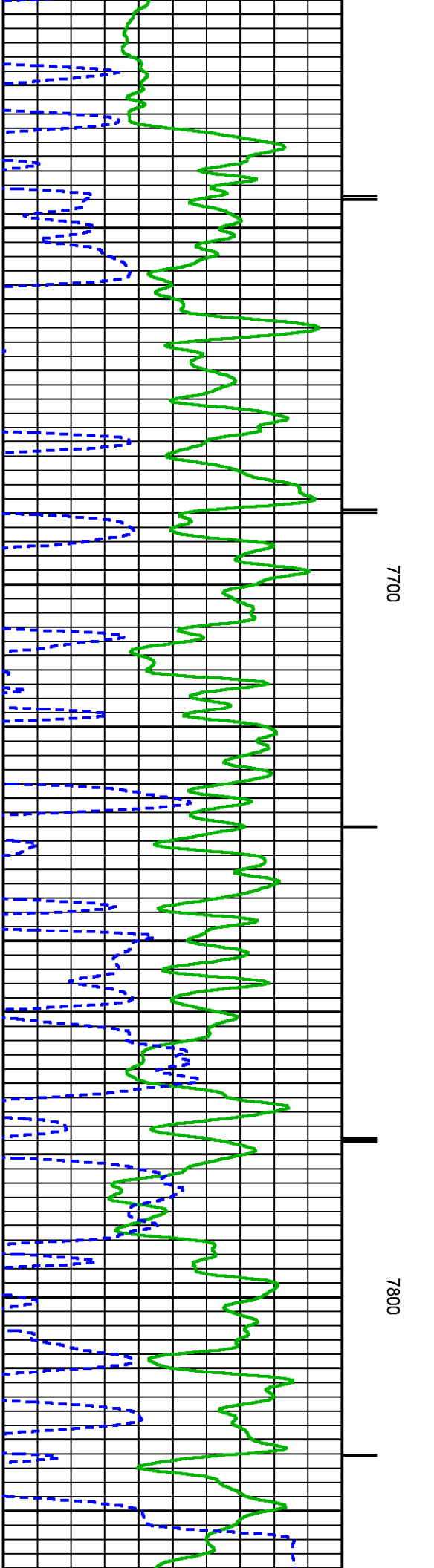
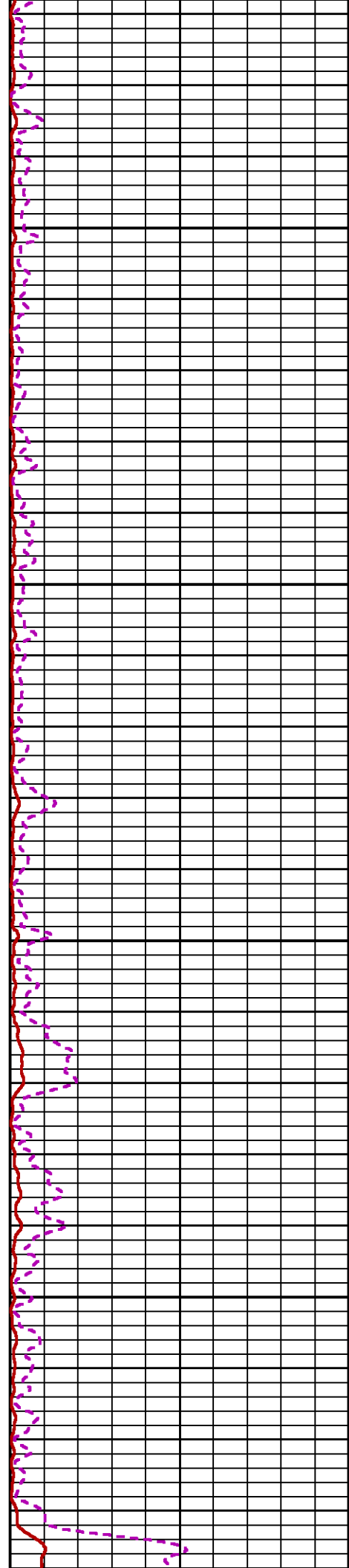
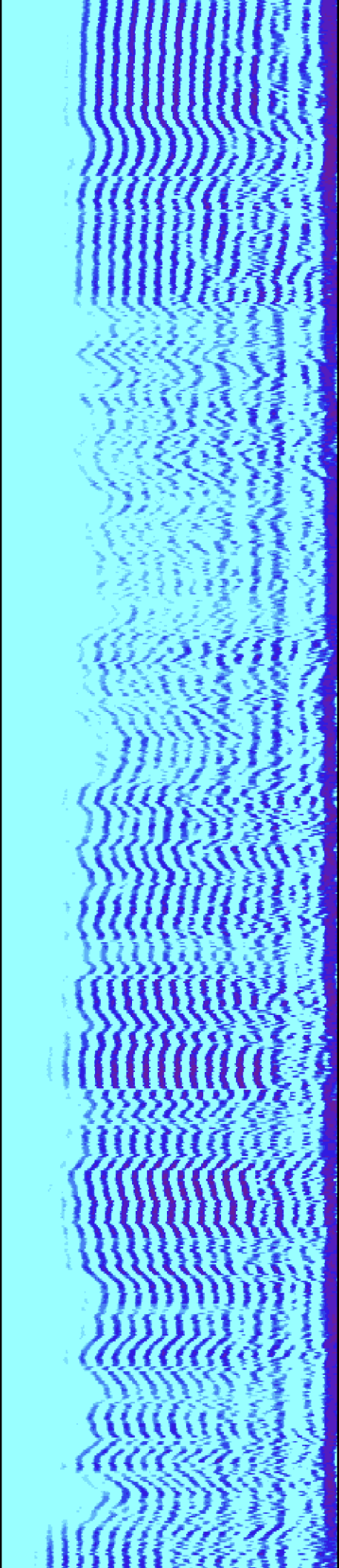


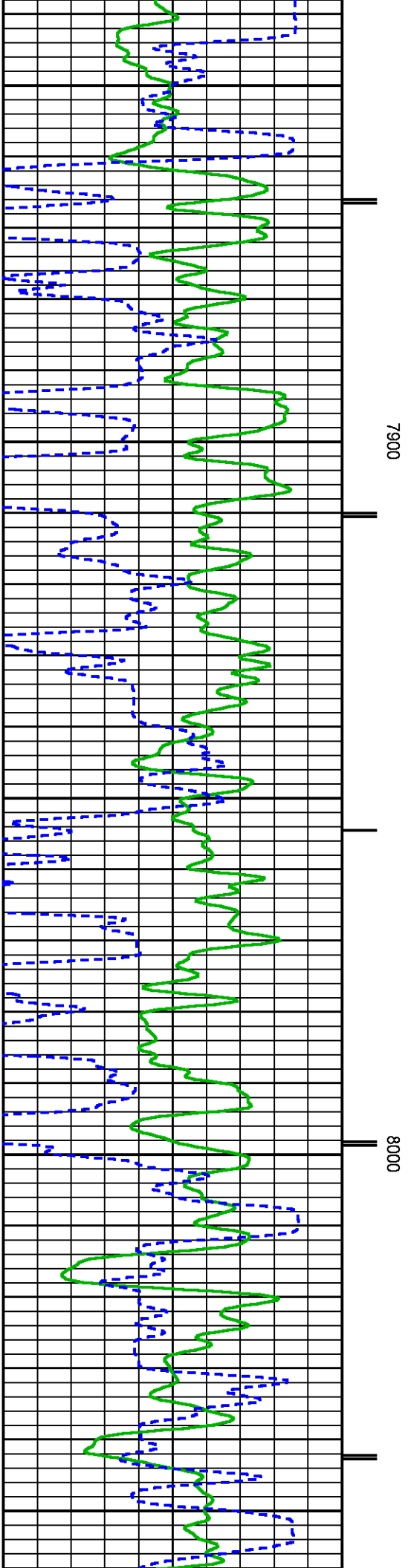
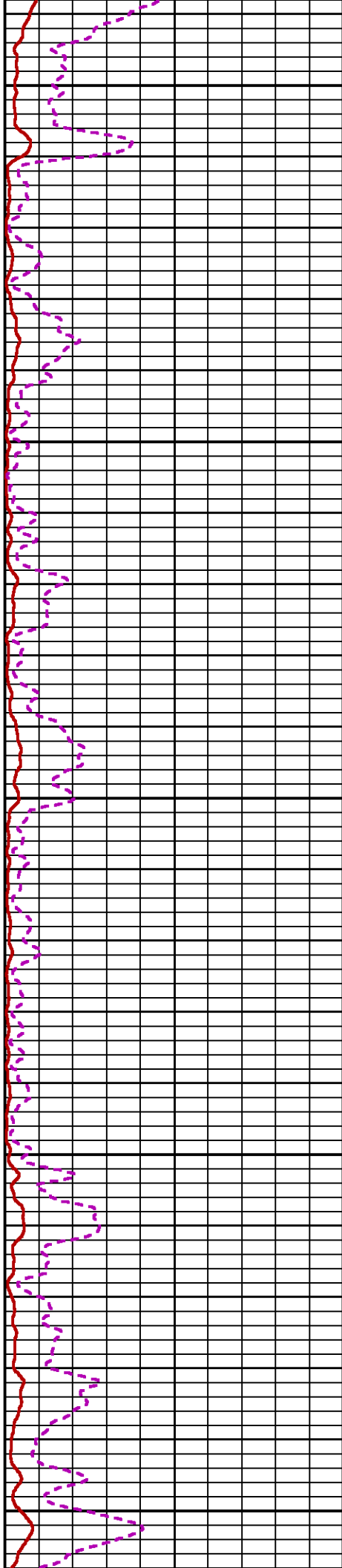
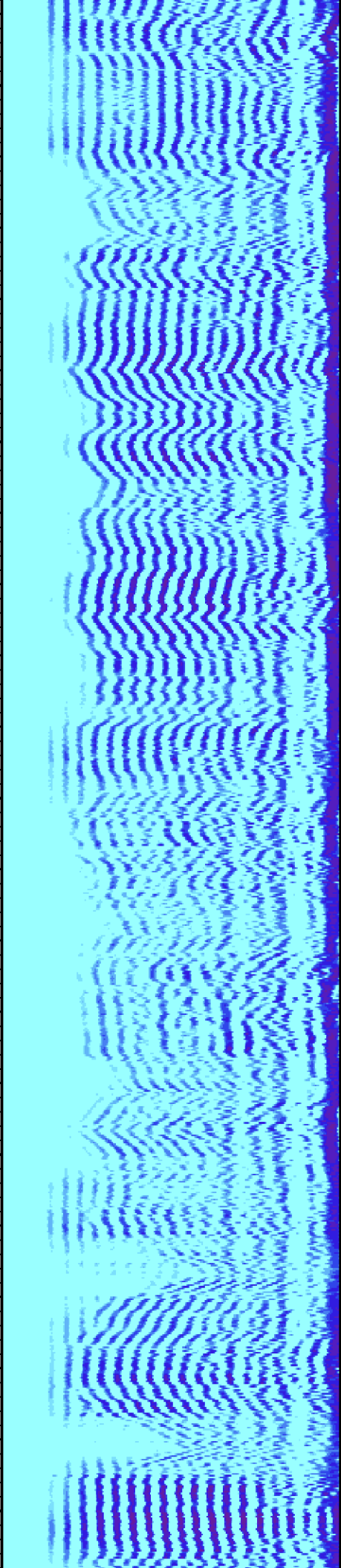


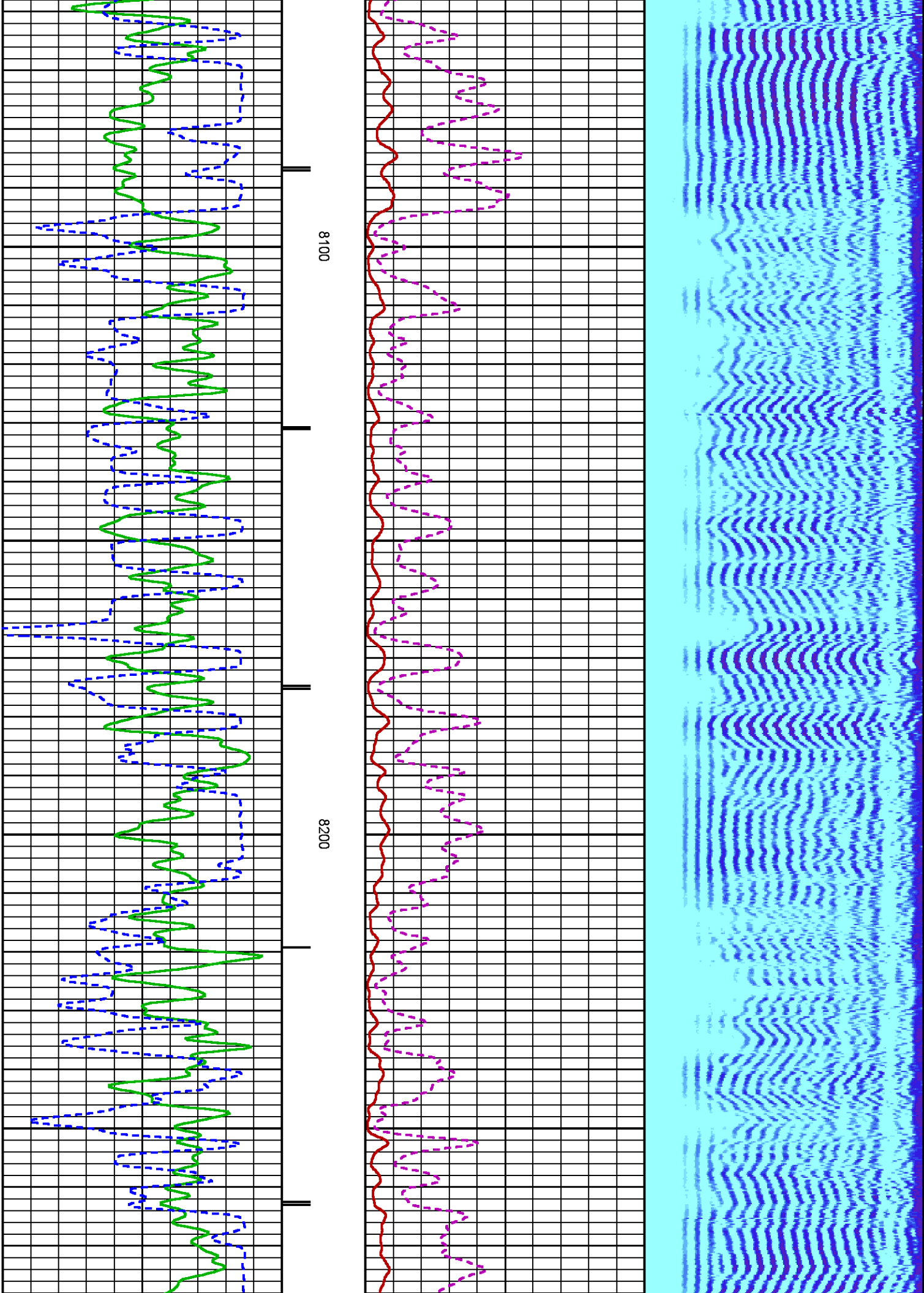


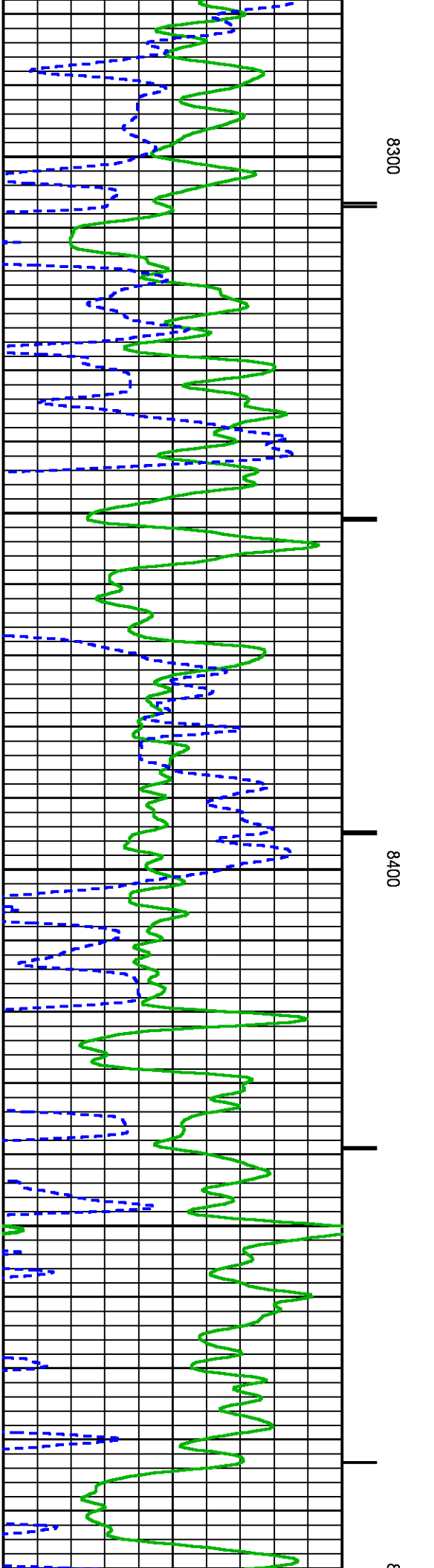
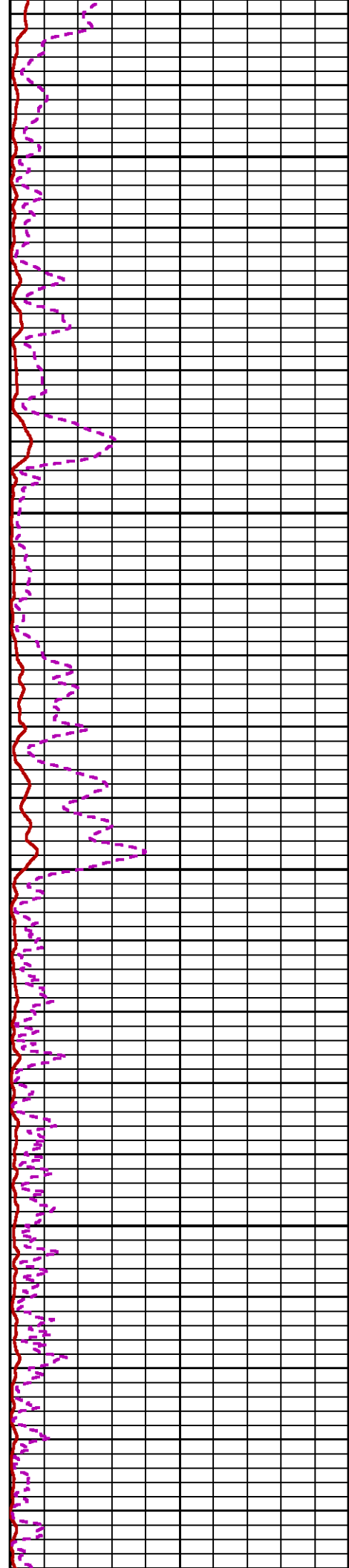
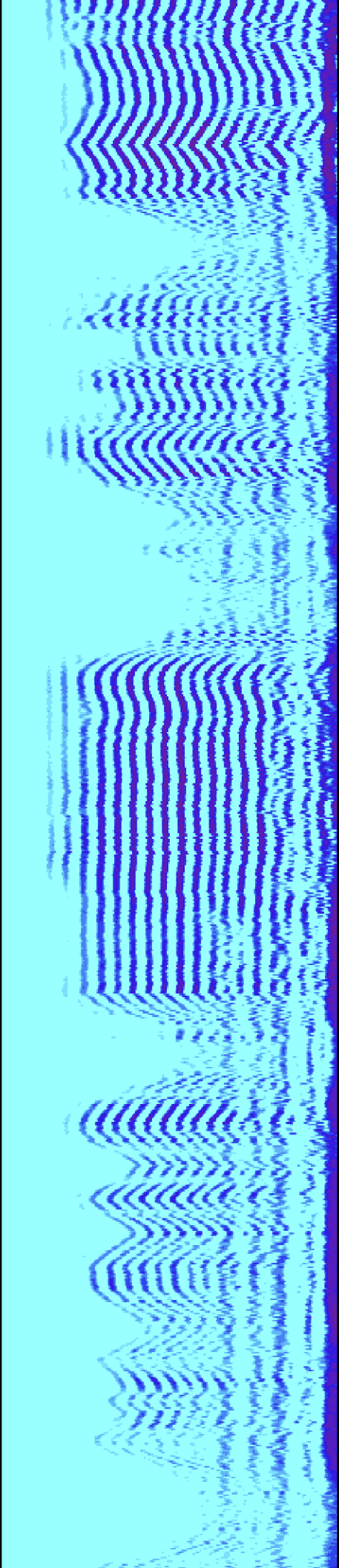


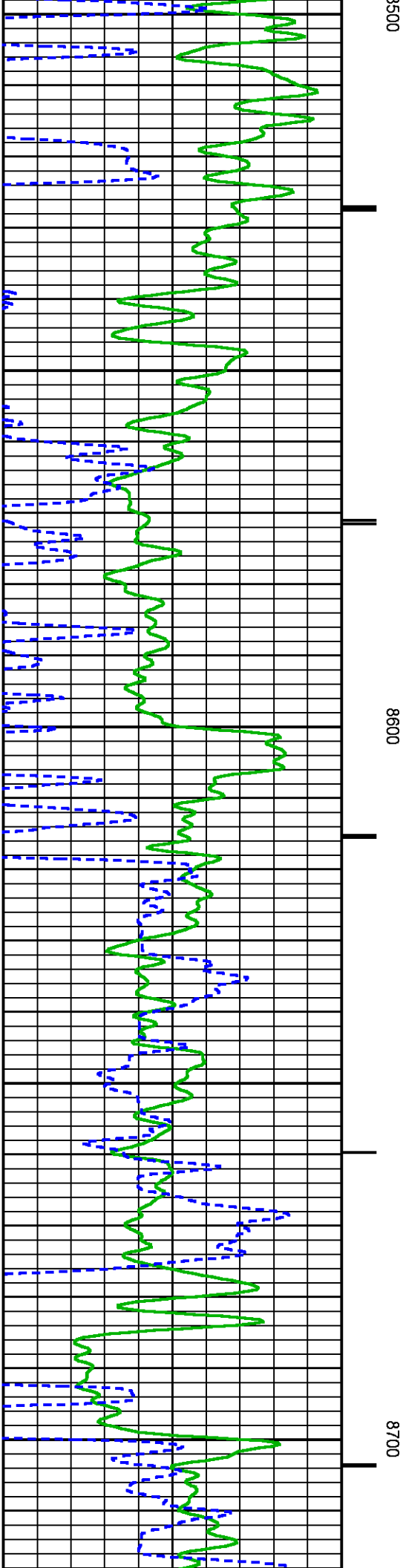
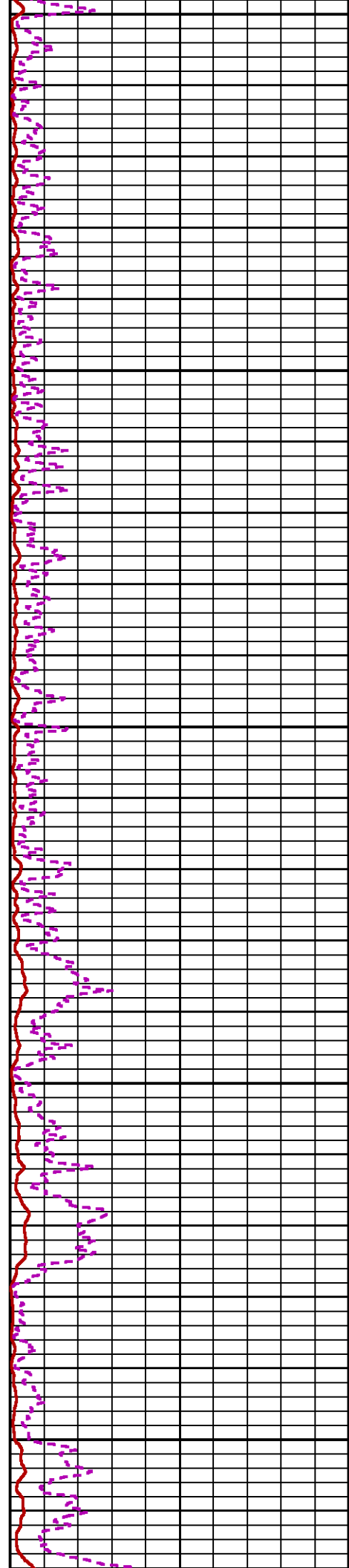
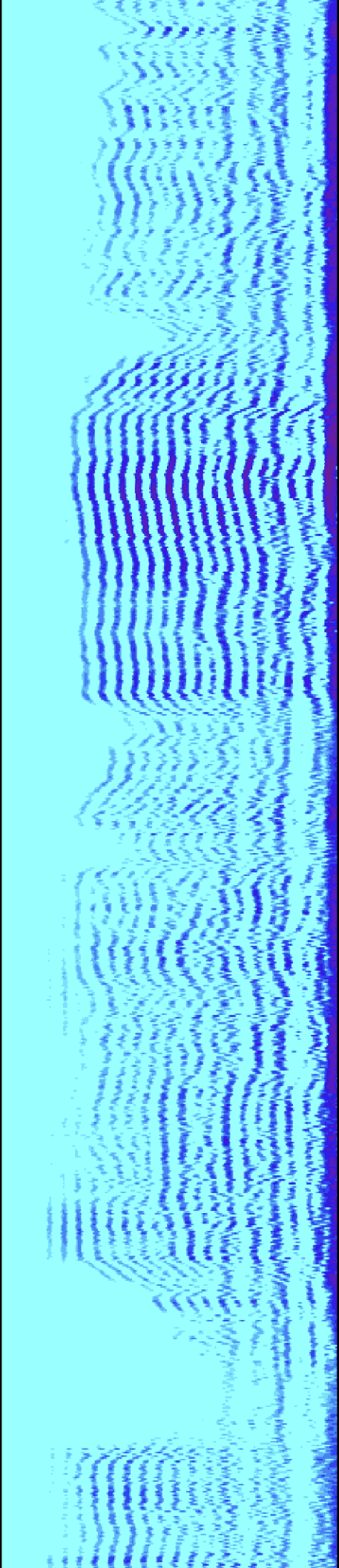


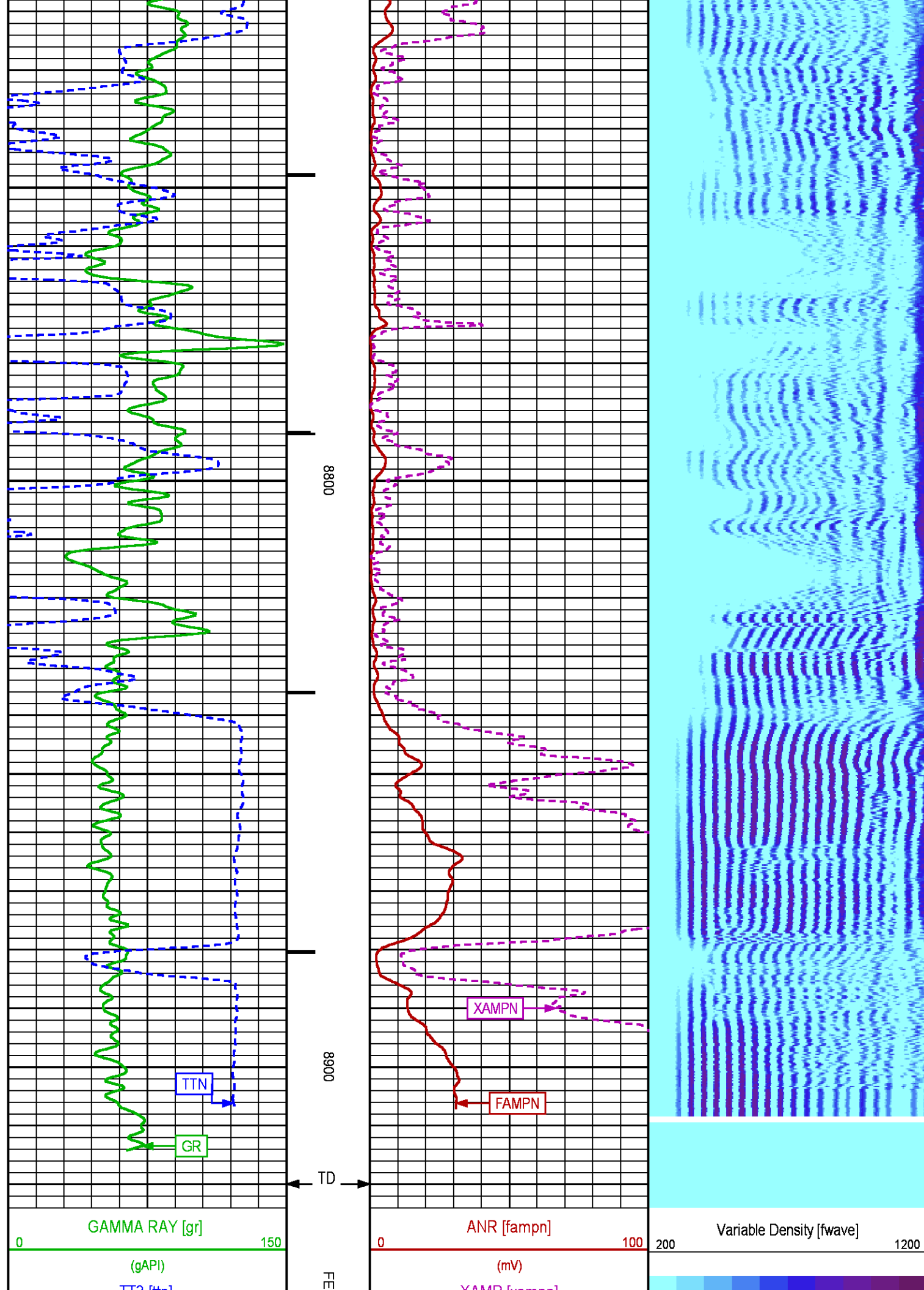


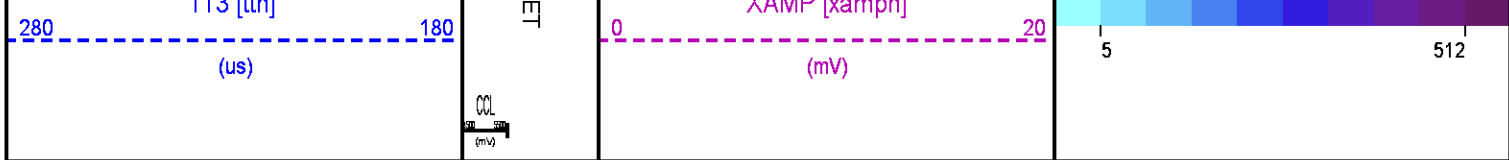












SECONDARY PRESENTATION 0 PSI

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

Plotted: Fri Jul 4 15:37:34 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH087671/n012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 34.500 ft BOTTOM DEPTH: 8925.758 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1) light (2a)		TOP 8409.250	8409.250 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*)	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*)	160	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*)	-64	us	"	"
	TOOL DELAY (str2*)	-64	us	"	"
	TOOL DELAY (str3*)	-64	us	"	"
	TOOL DELAY (str4*)	-64	us	"	"
	TOOL DELAY (str5*)	-64	us	"	"
	TOOL DELAY (str6*)	-64	us	"	"
	TOOL DELAY (str7*)	-64	us	"	"
	TOOL DELAY (str8*)	-64	us	"	"
BASELINE NOISE (NEAR)	TOOL DELAY (strn*)	-64	us	"	"
	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

PERCENT BOND CEMENT MAP

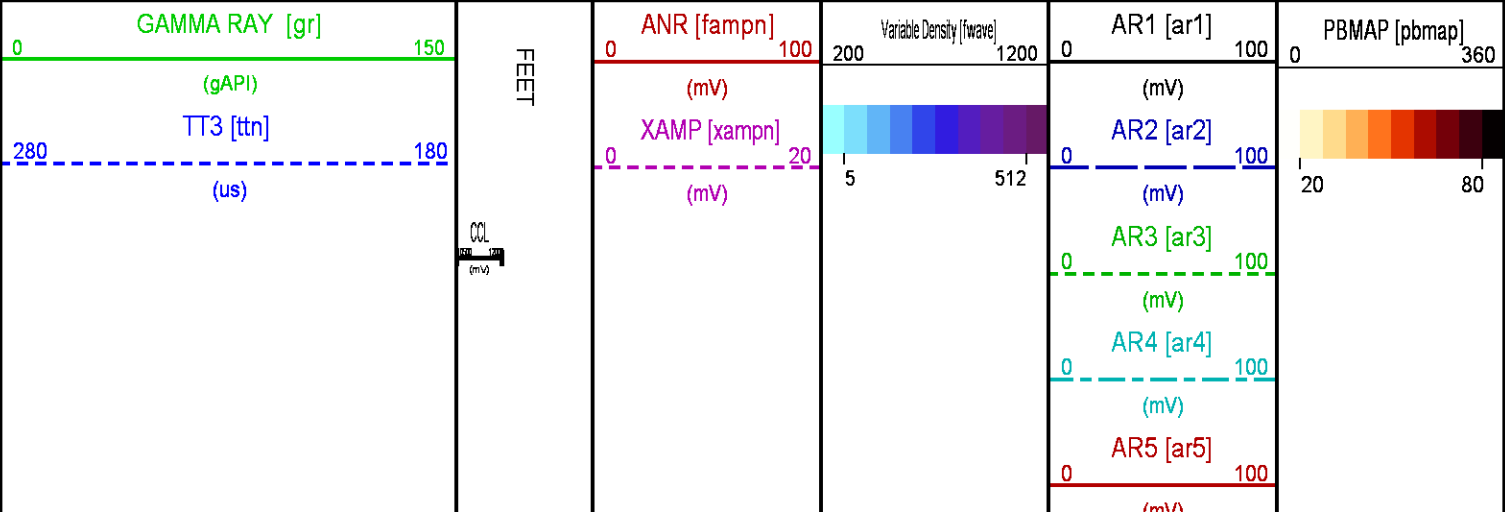
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
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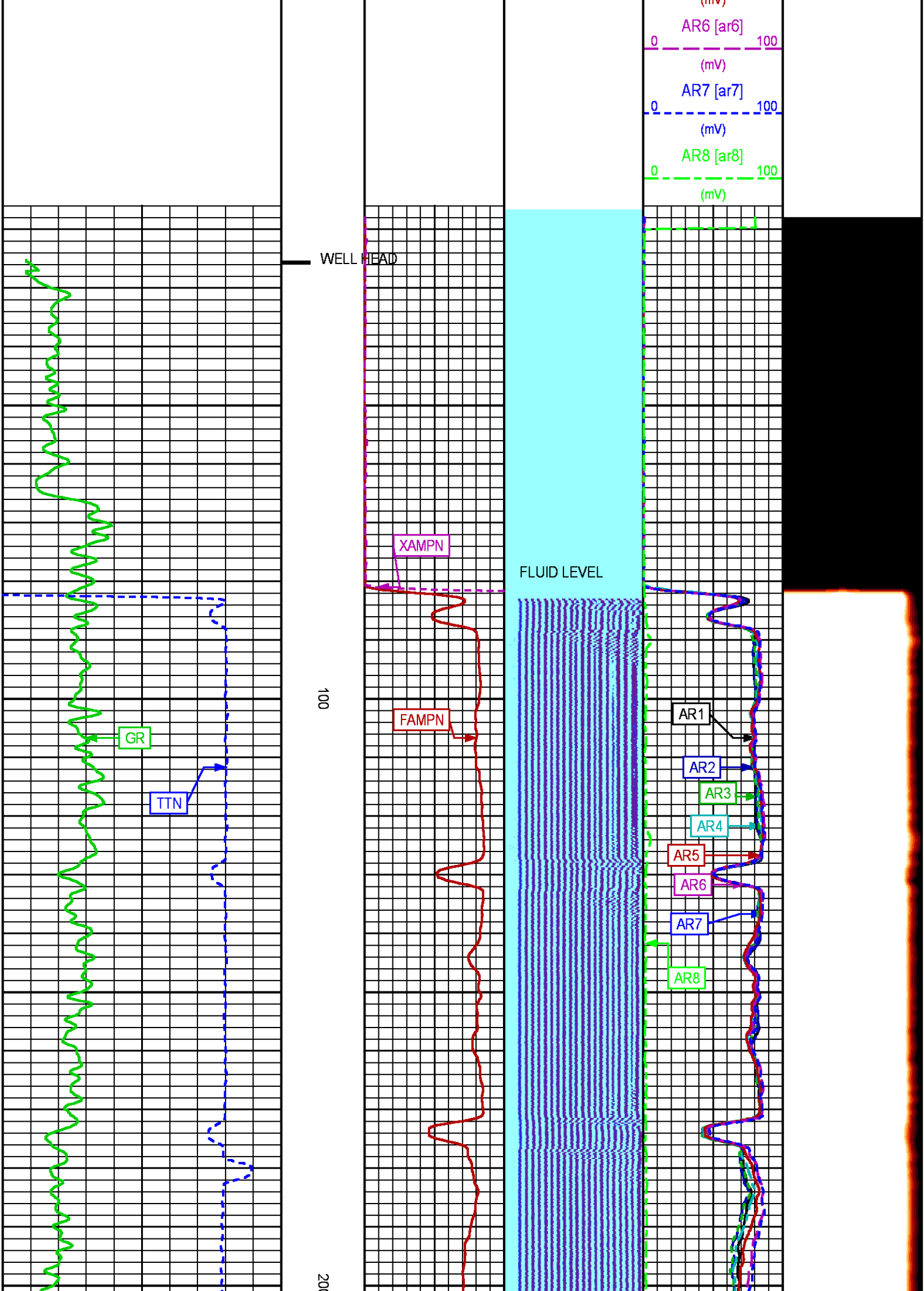
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	81	mV	TOP	BOTTOM
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	FREE AMP REC 3	81	mV	"	"
	FREE AMP REC 4	81	mV	"	"
	FREE AMP REC 5	81	mV	"	"
	FREE AMP REC 6	81	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE AMP REC 8	81	mV	"	"
RAL FULL BOND AMPLITUDE	FULL BOND AMP 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	"	"

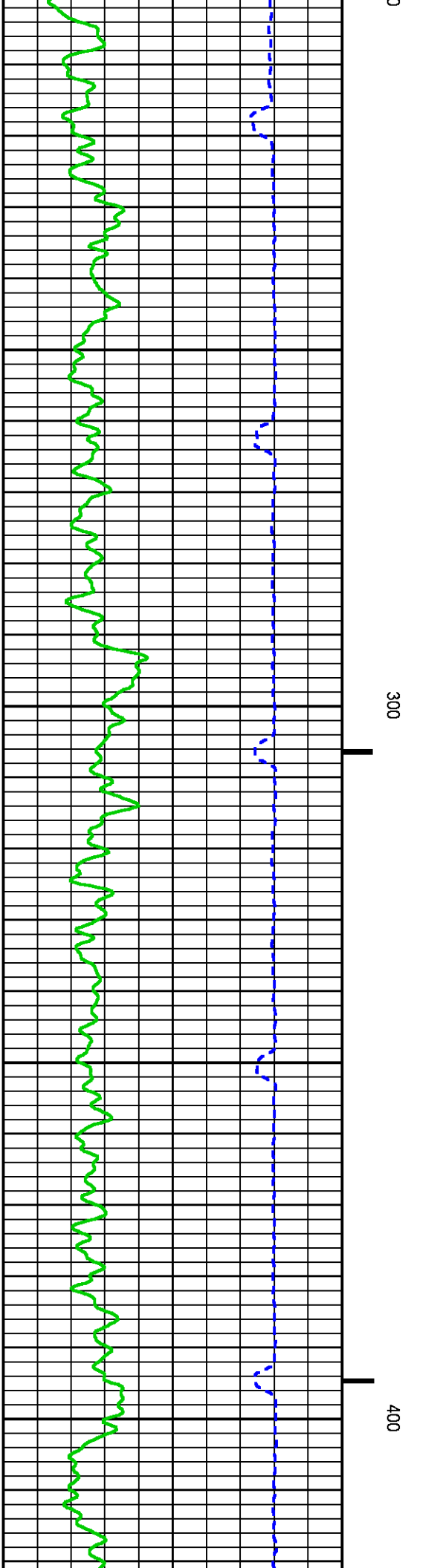
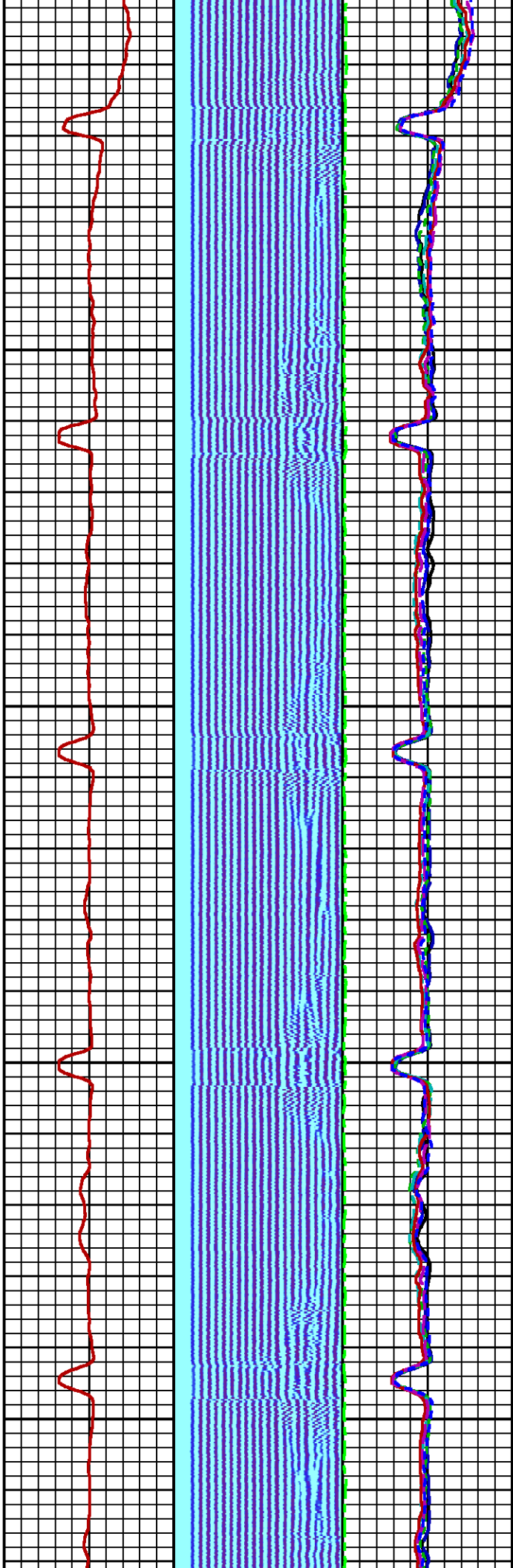
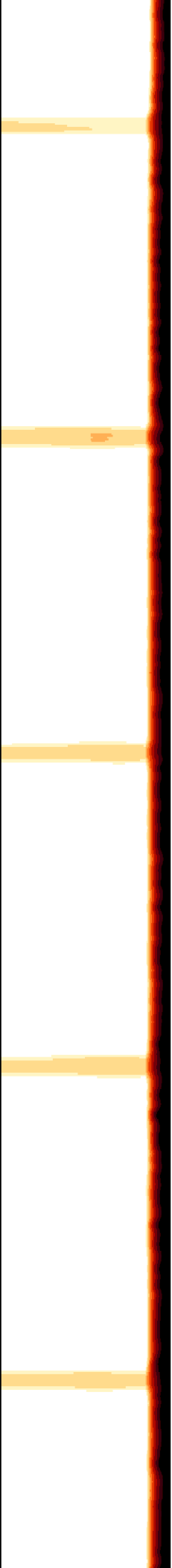
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE T-R1
F1:AR2	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE T-R2
F1:AR3	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE T-R3
F1:AR4	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE T-R4
F1:AR5	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE T-R5
F1:AR6	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE T-R6
F1:AR7	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE T-R7
F1:AR8	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE T-R8
F1:CCL	Jul 1 09:22:42 2014	CASING COLLAR LOCATOR
F1:FAMPN	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 1 09:22:42 2014	FAR WAVE FORM
F1:GR	Jul 1 09:22:42 2014	GAMMA RAY
F1:PBMAP	Jul 1 09:22:42 2014	PERCENT BOND CEMENT MAP
F1:TTN	Jul 1 09:22:42 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 1 09:22:42 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

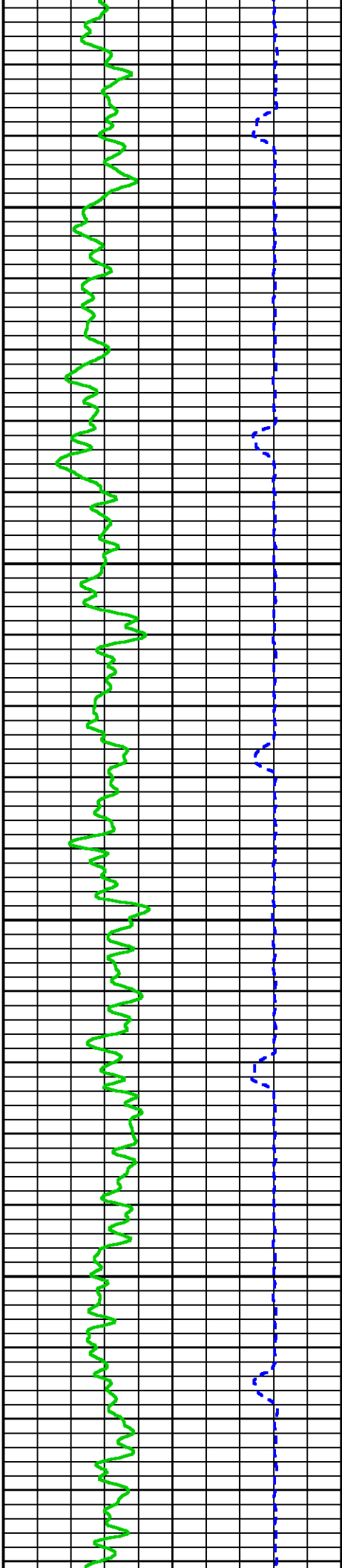
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	13.75	AR5	13.75	CCL	8.50	XAMPN	13.75
AR2	13.75	AR6	13.75	FAMPN	13.75		
AR3	13.75	AR7	13.75	GR	6.50		
AR4	13.75	AR8	13.75	TTN	13.75		

Presentation	: HL6670:WPX_CBL_SECONDARY_PRESENTATION.fvpdf [5"'/100' Scale]
Plot Interval	: 16.75 - 8924 Feet
Data File 1	: F1 : HL6670:/dat1a/CH087671/n012e02.xtf
Created On	: Jul 1 09:22:42 2014
Company	: WPX ENERGY
Well	: SAVAGE RWF 443-25
Field	: RULISON
File Interval	: 16.75 - 8924 Feet
OCT	: n012e



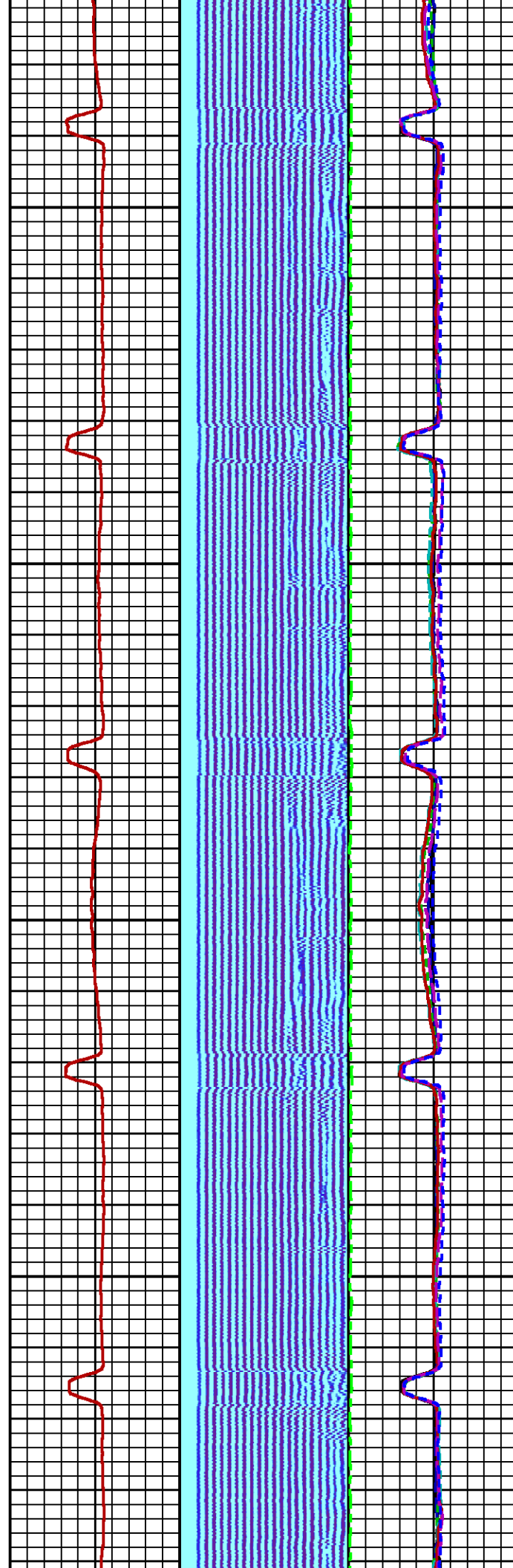


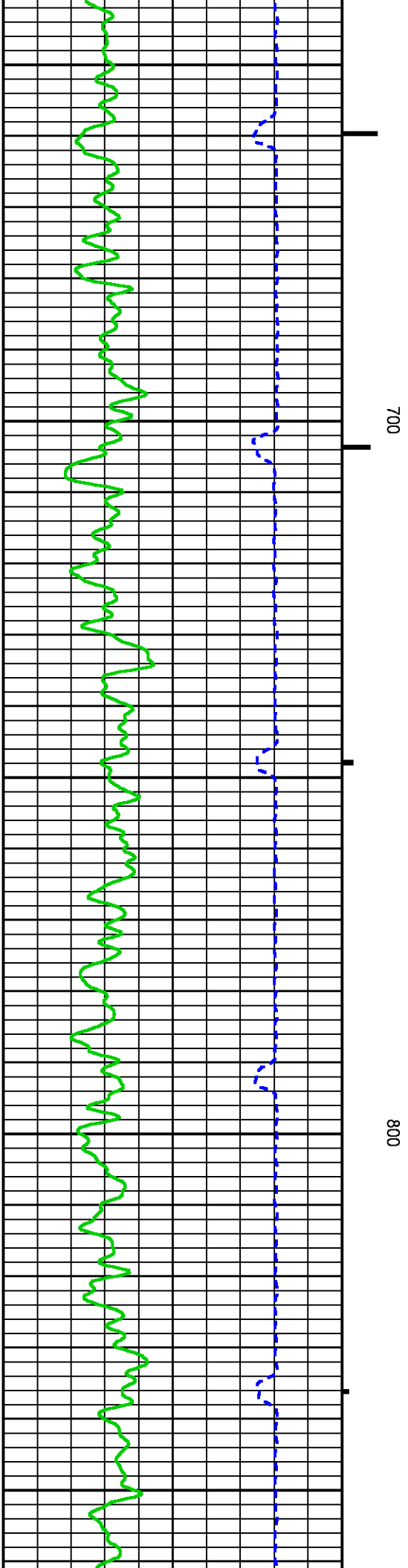
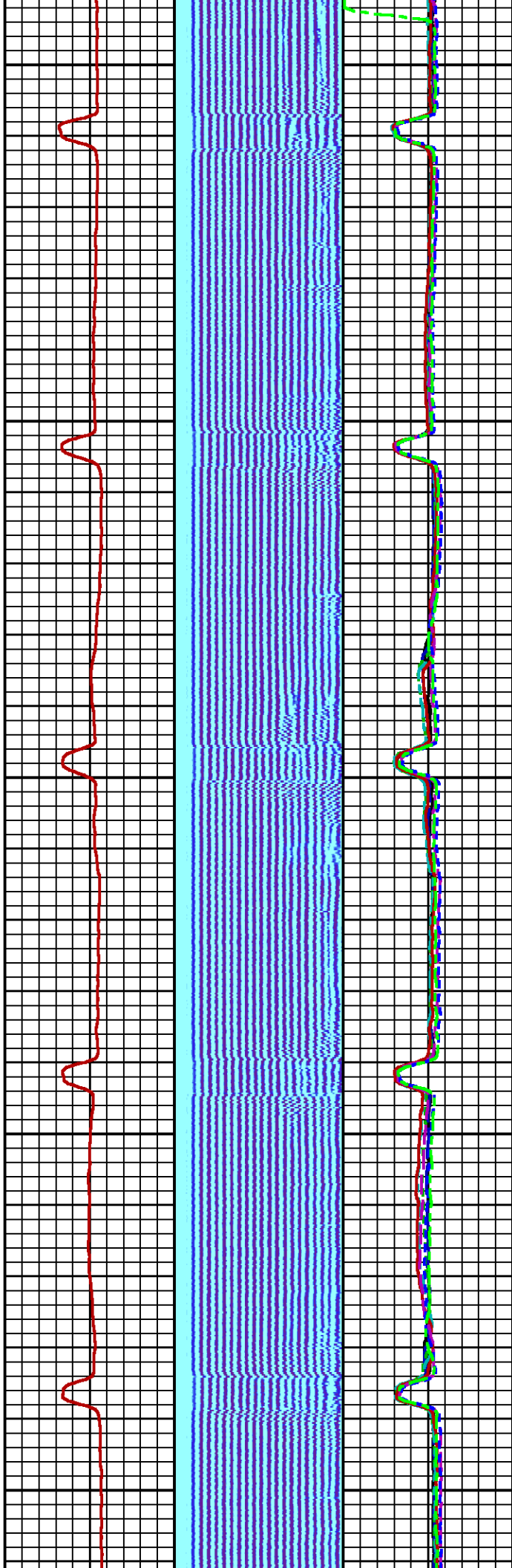
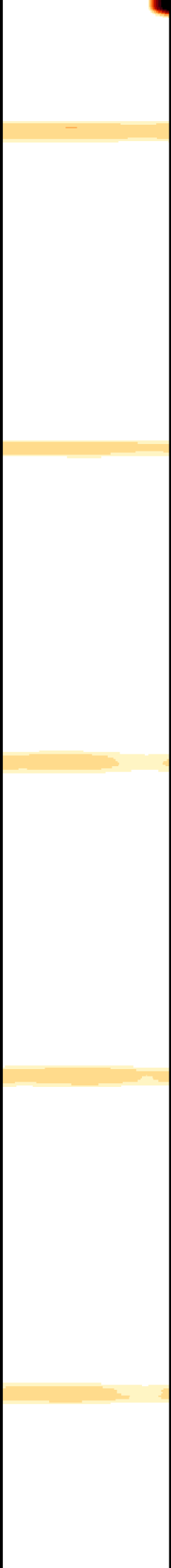


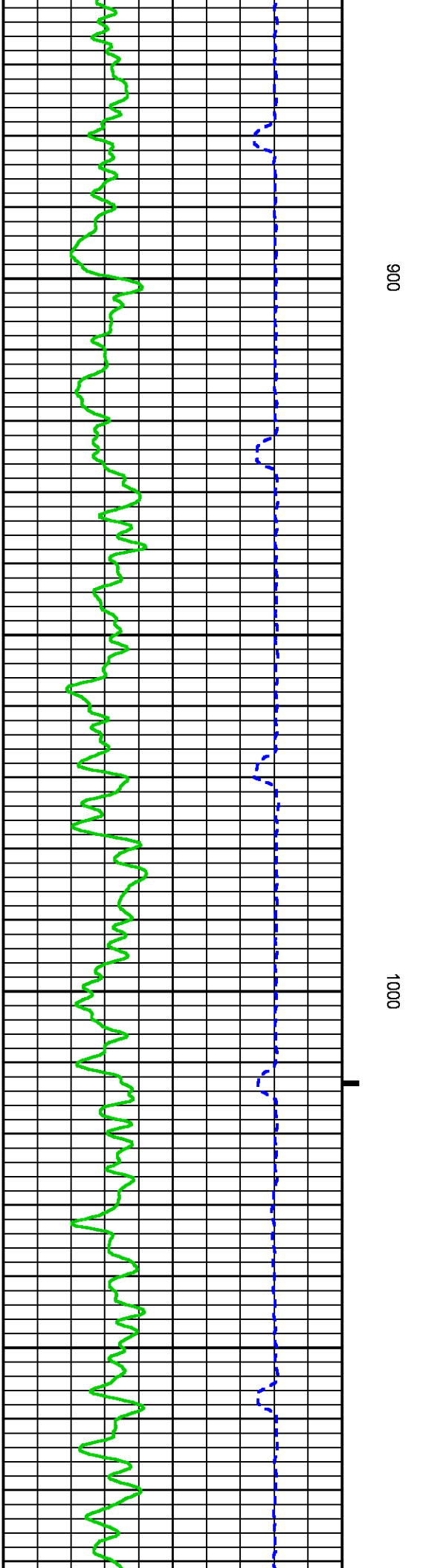
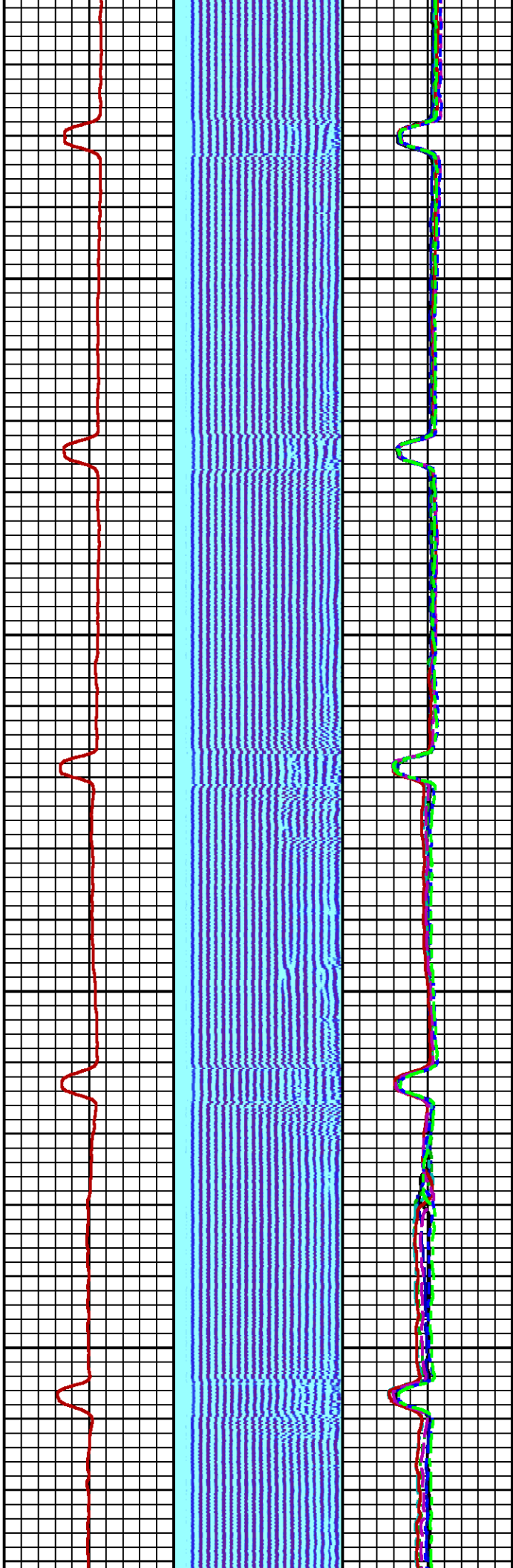
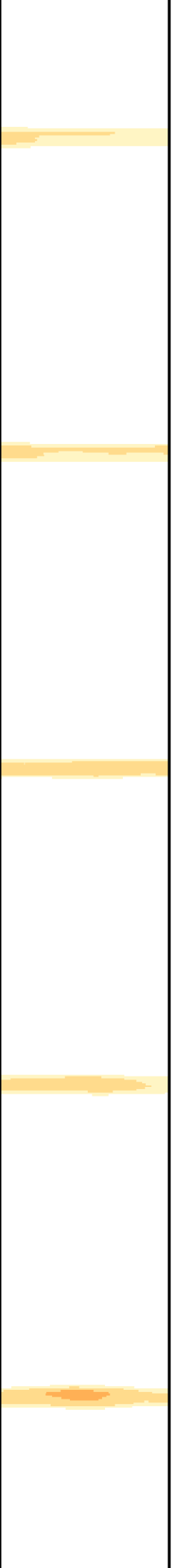


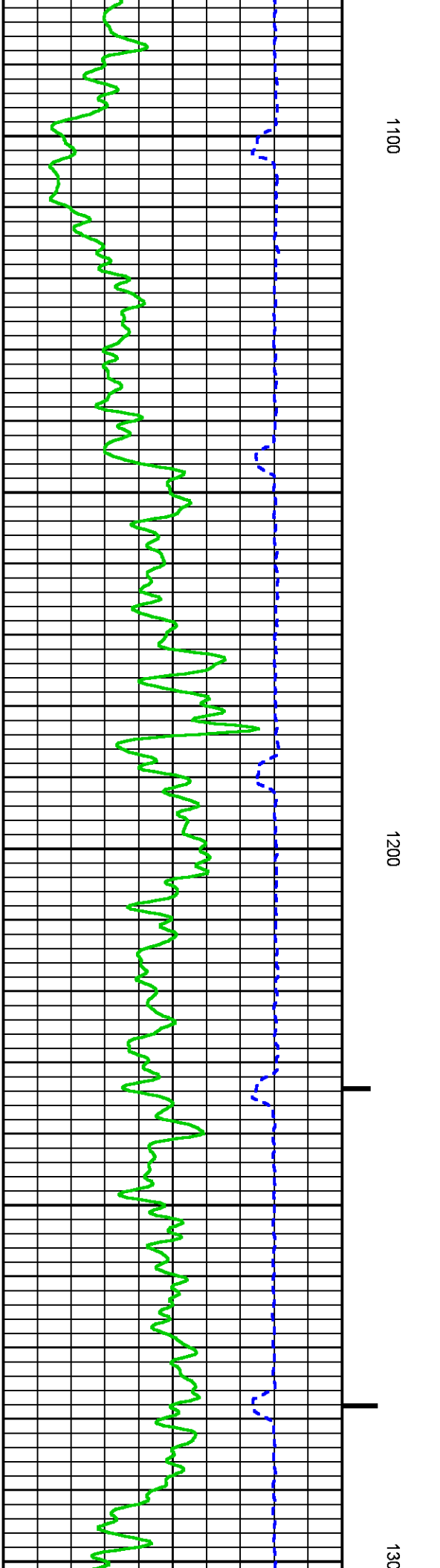
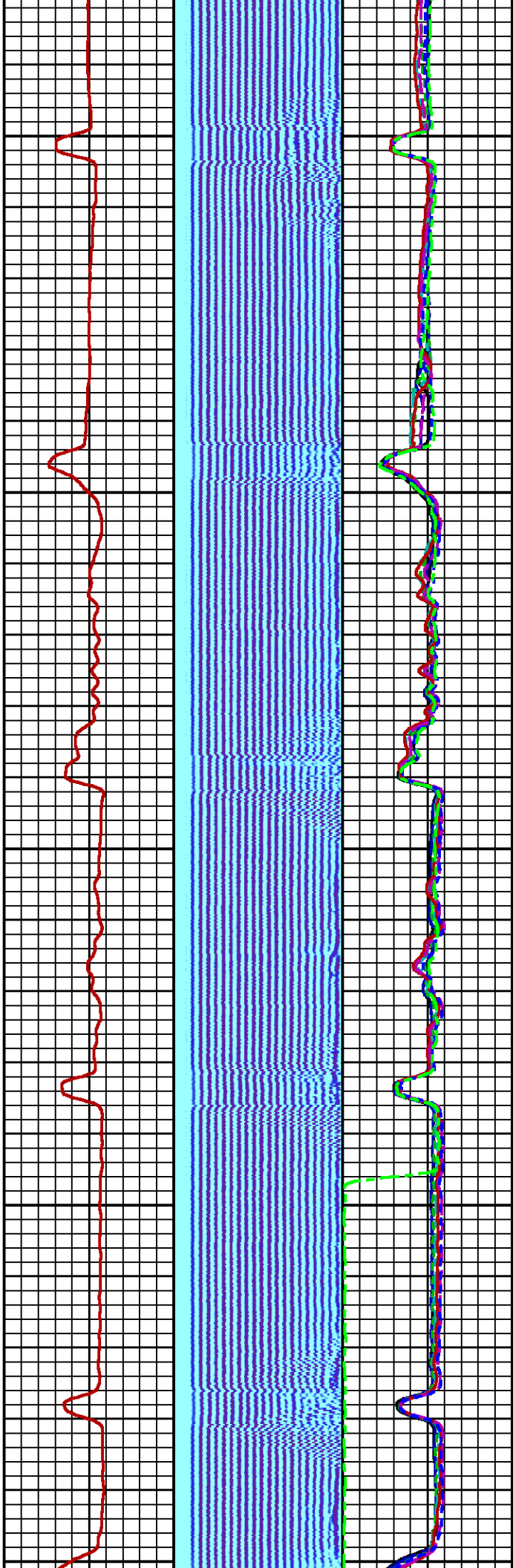
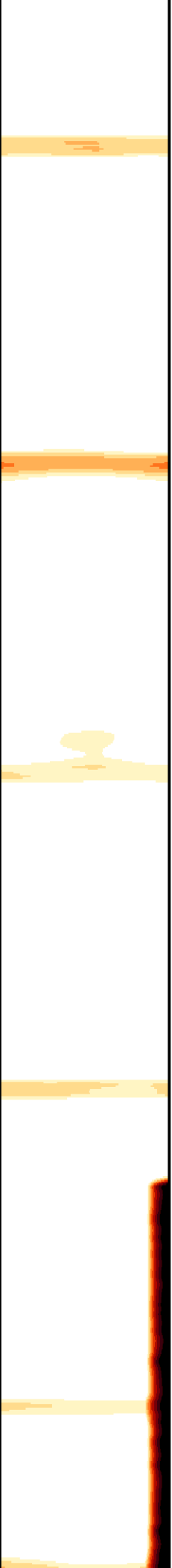
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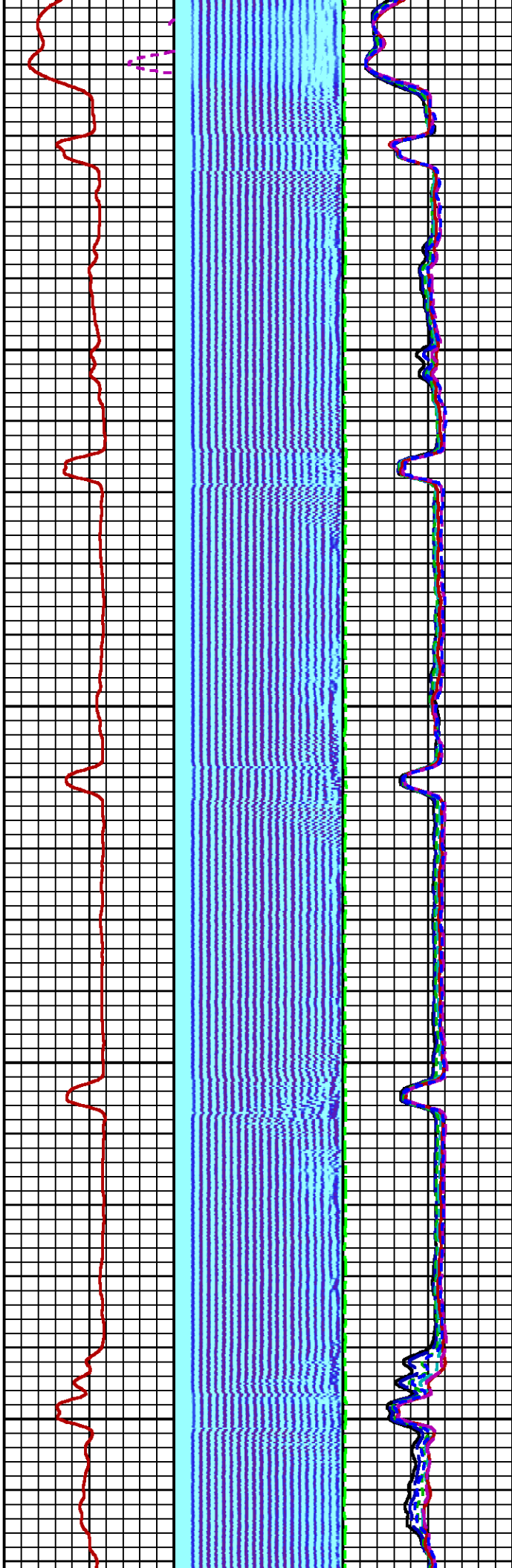
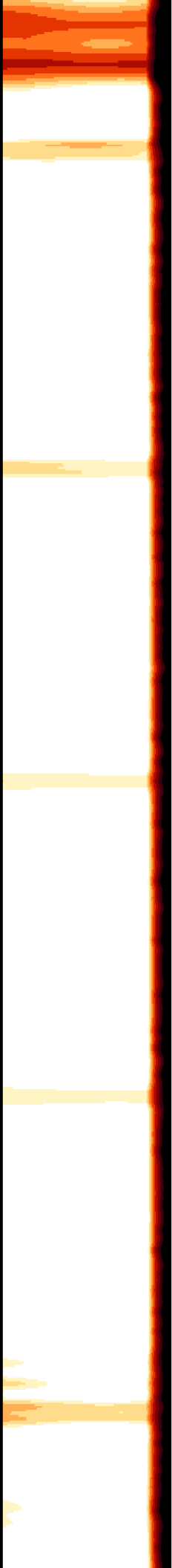
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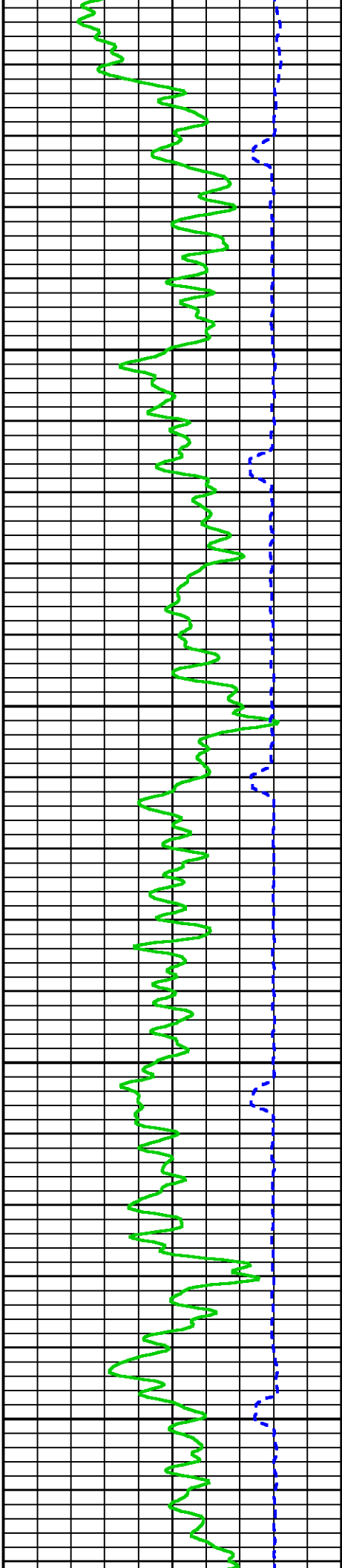


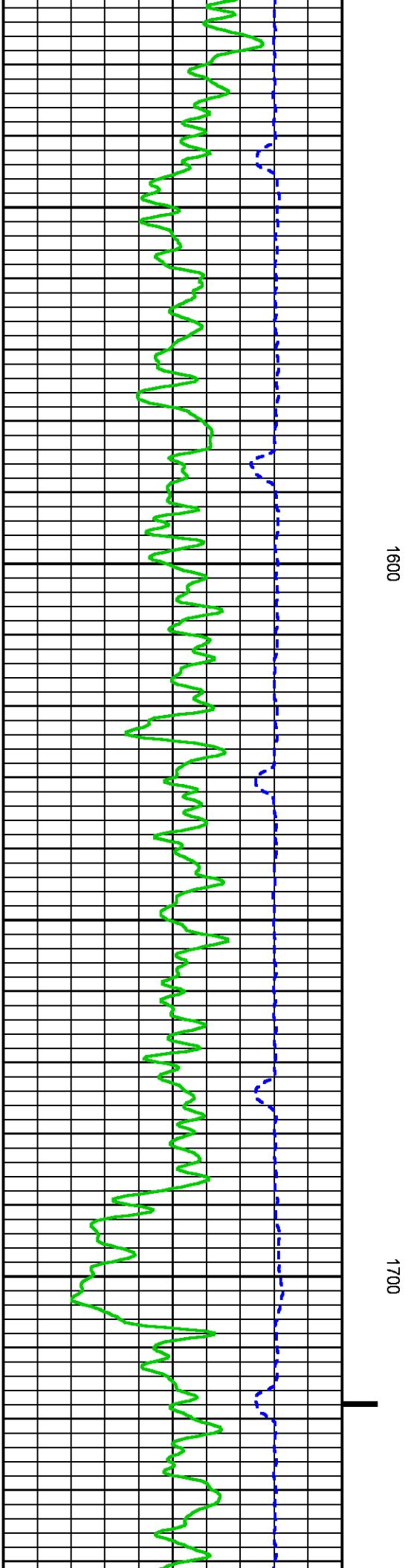
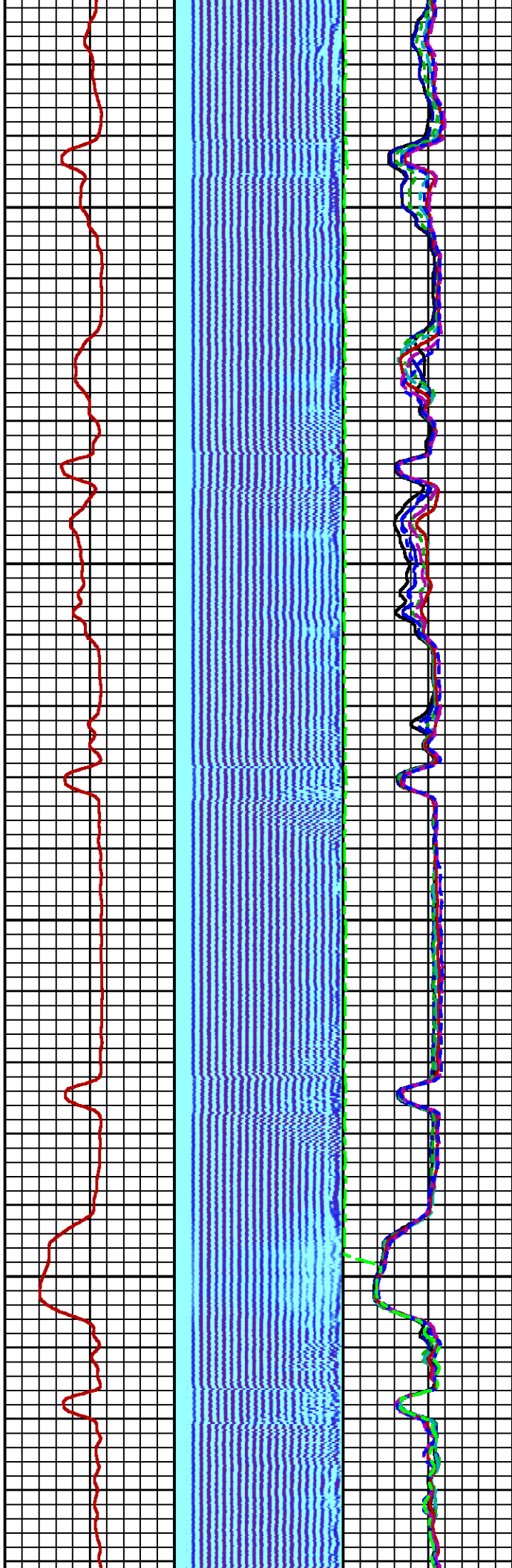
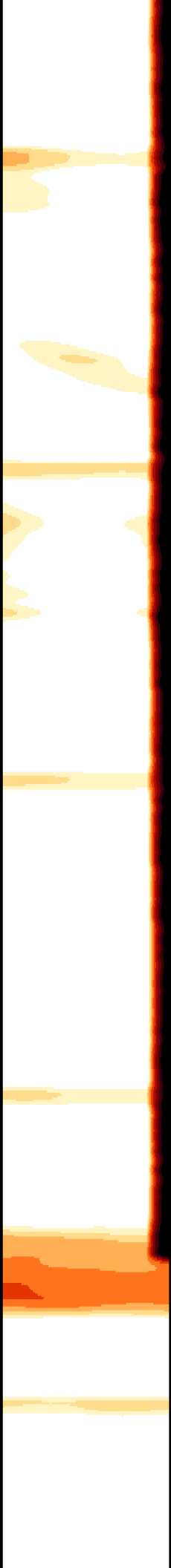


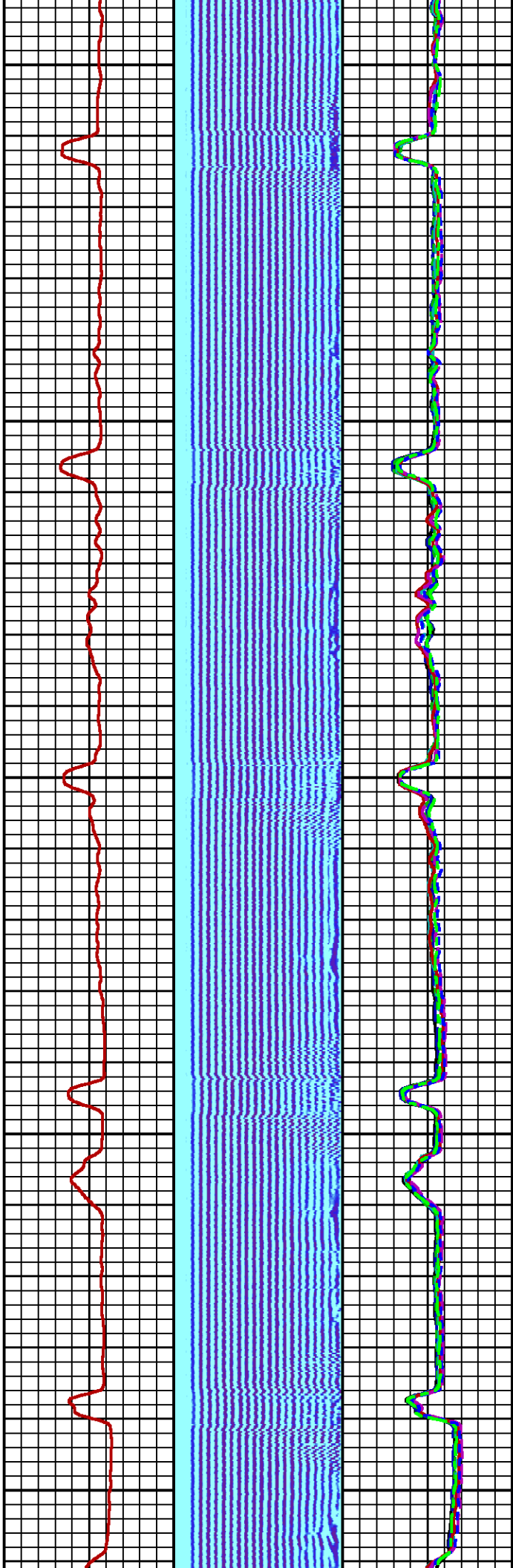
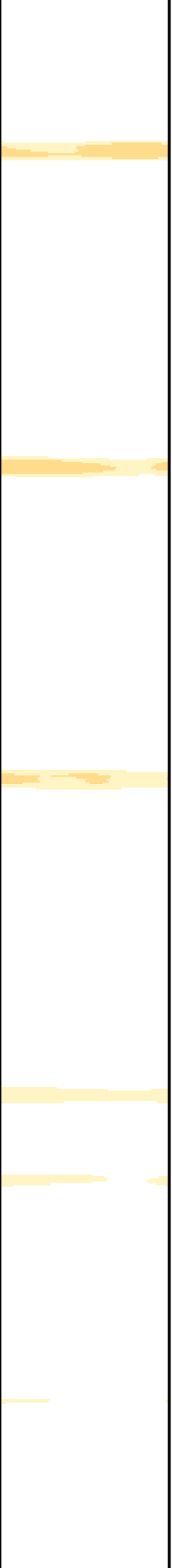
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1400

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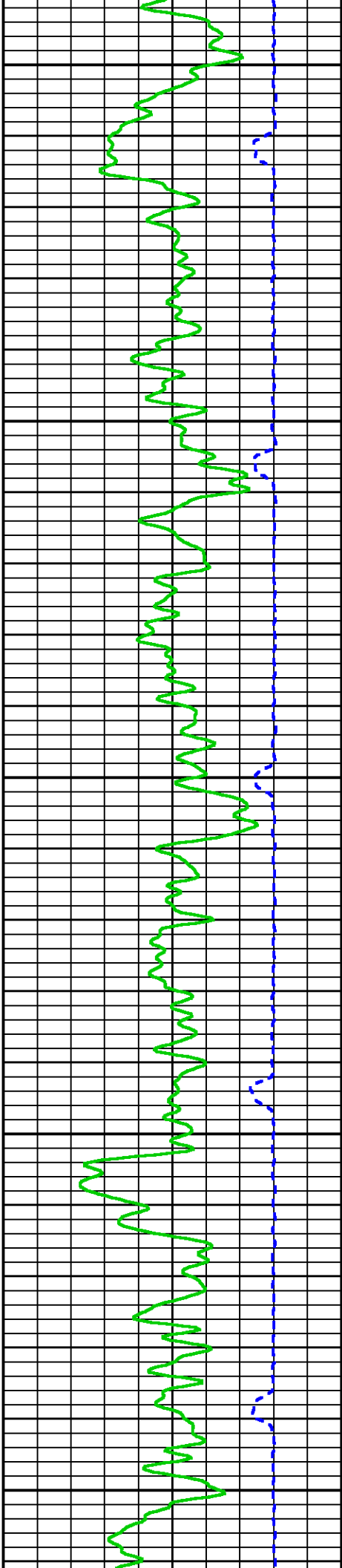


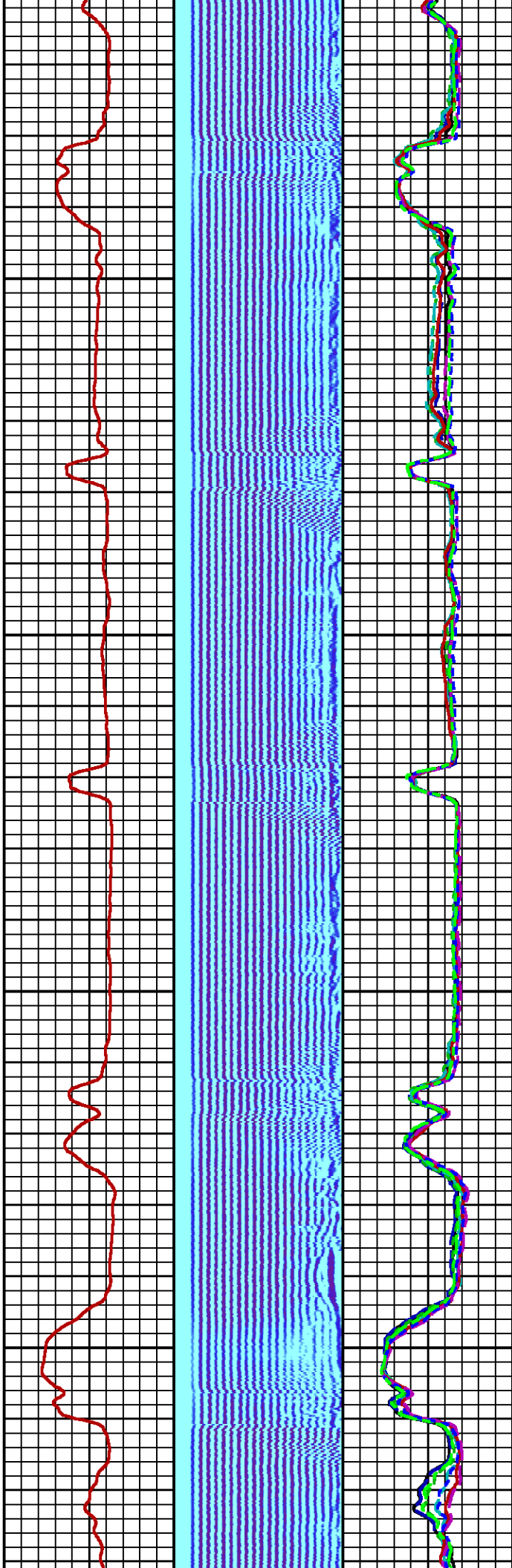
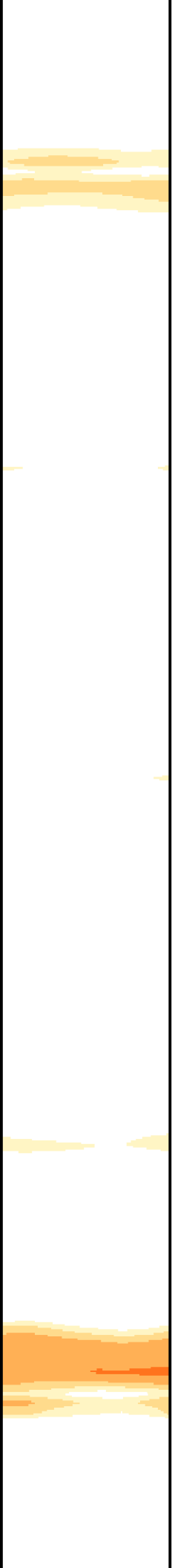




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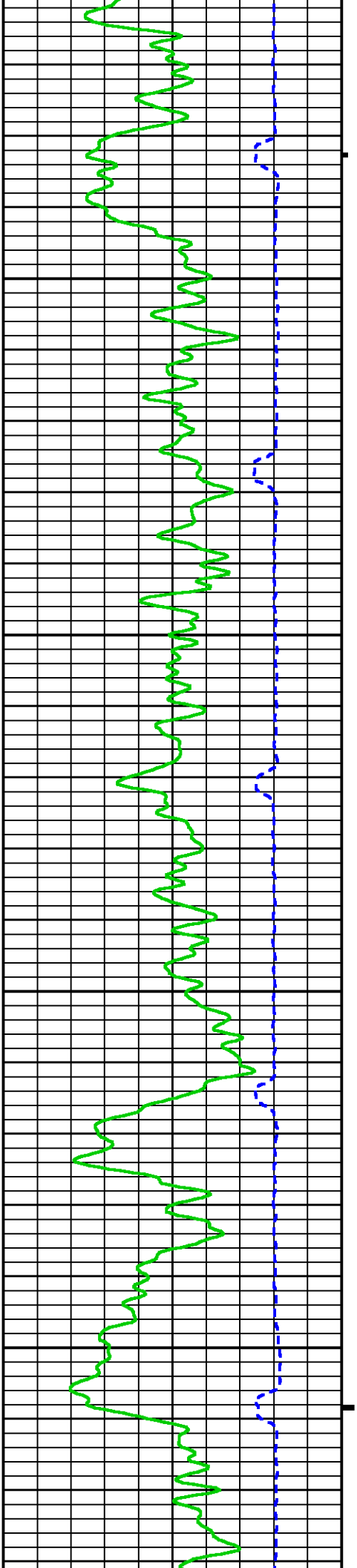
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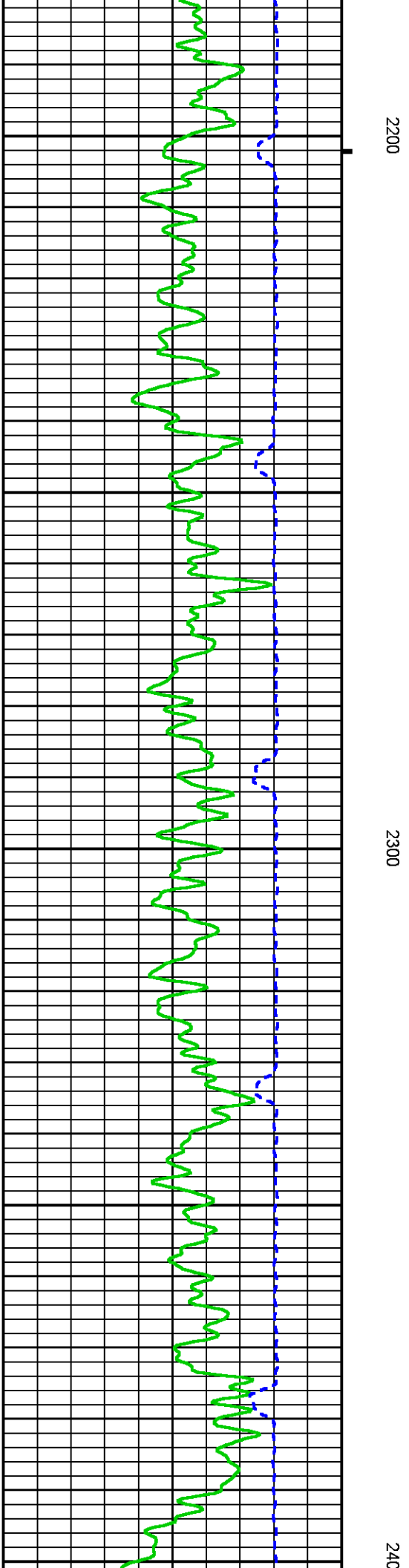
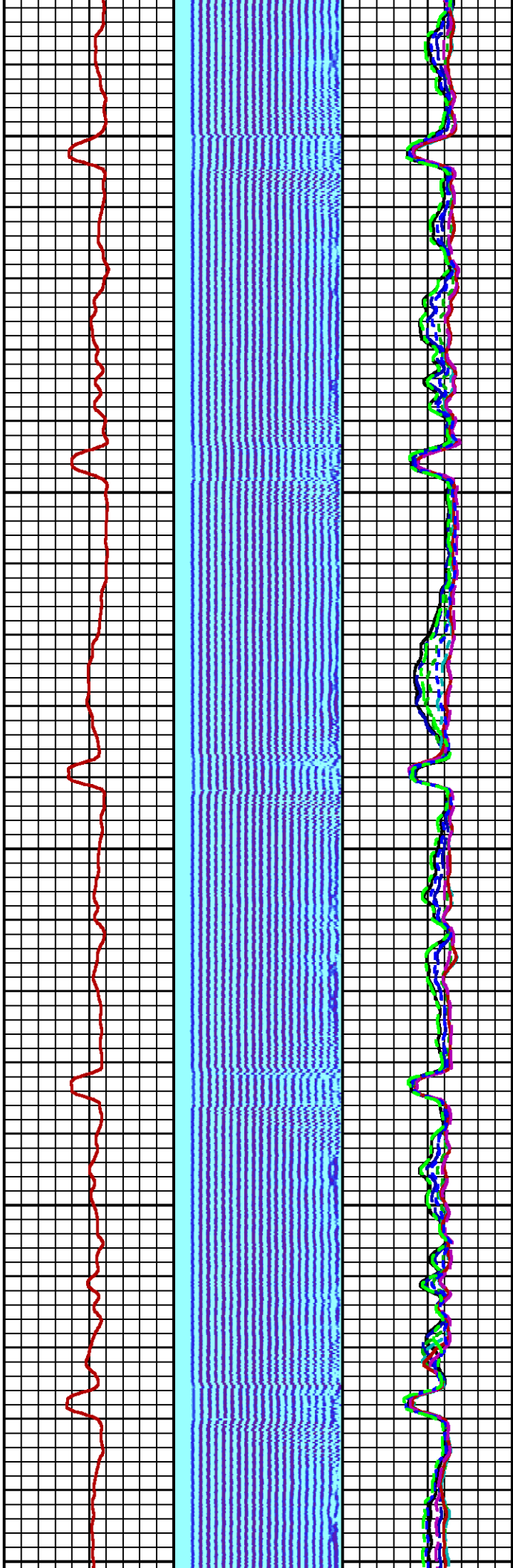


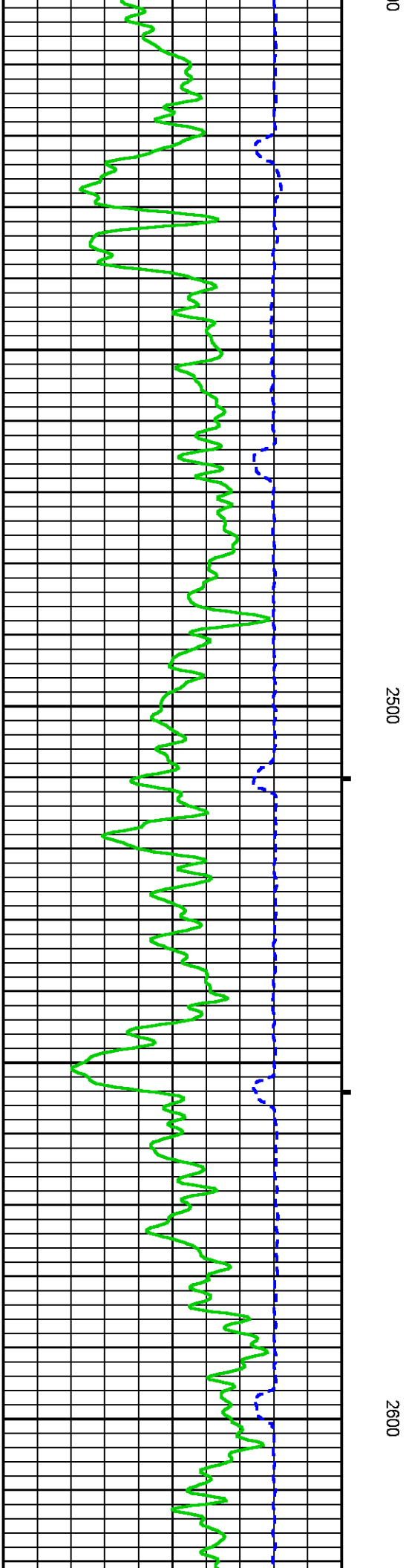
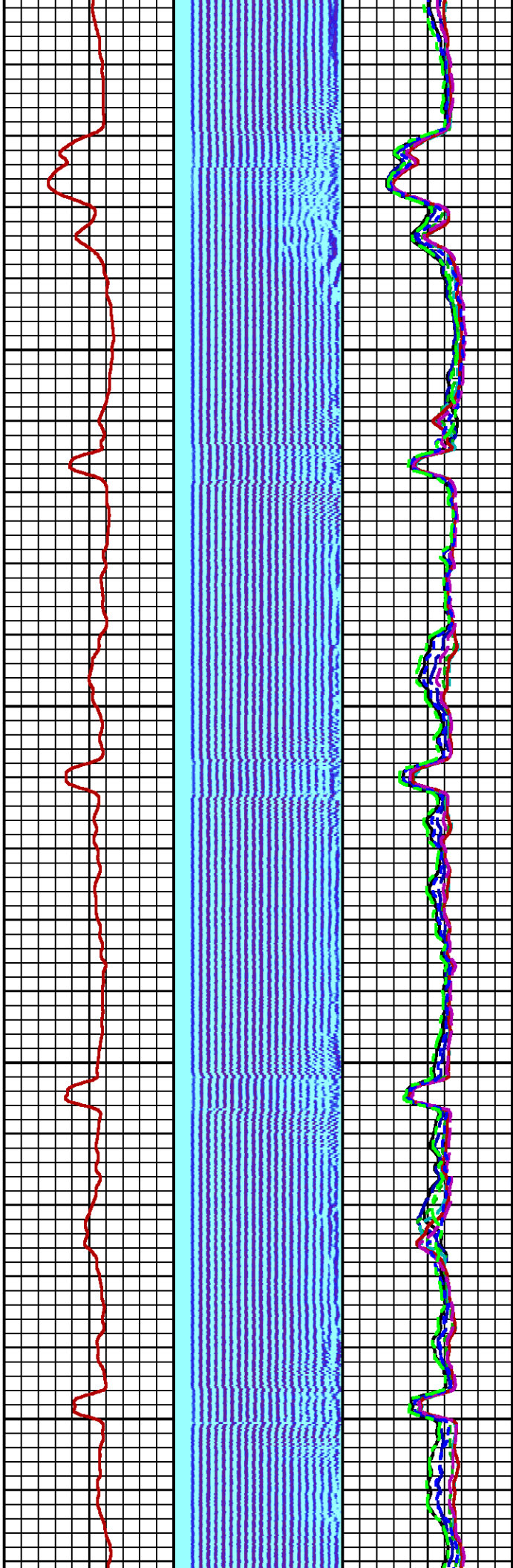
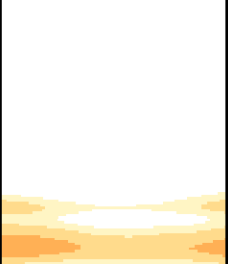


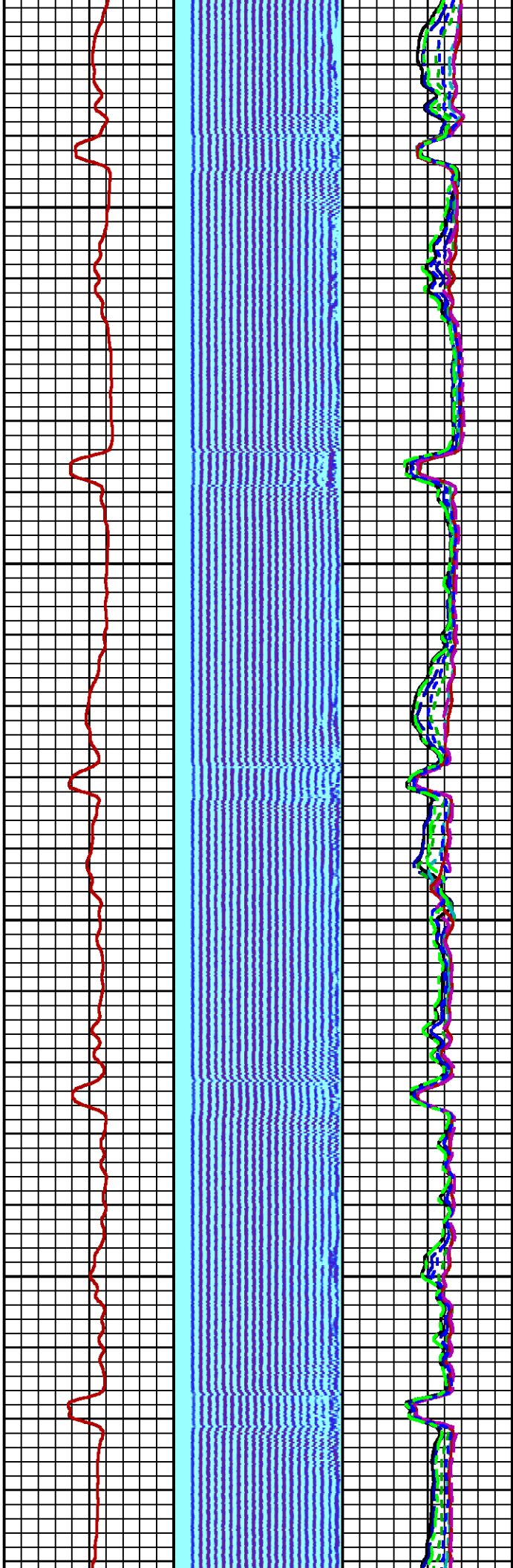
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2100



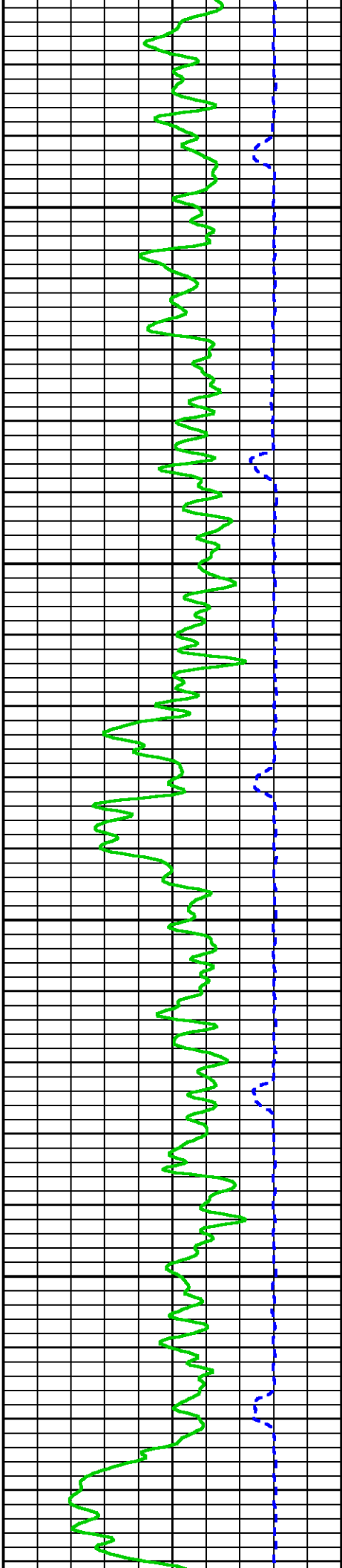




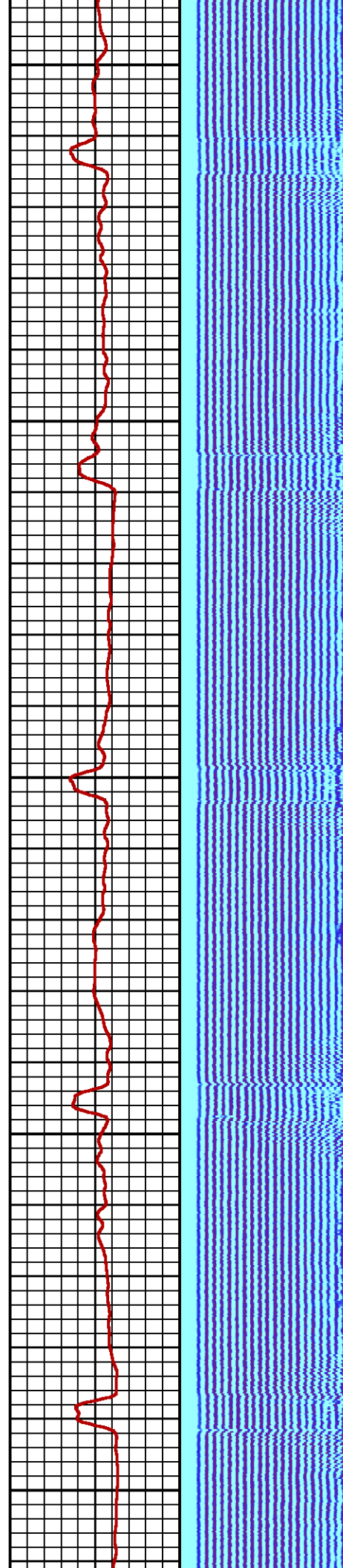
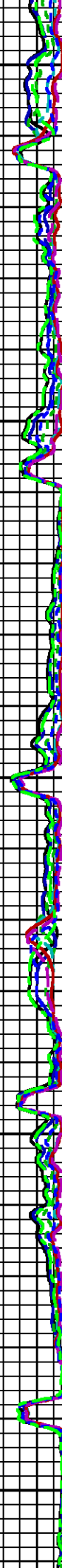


2700

2800

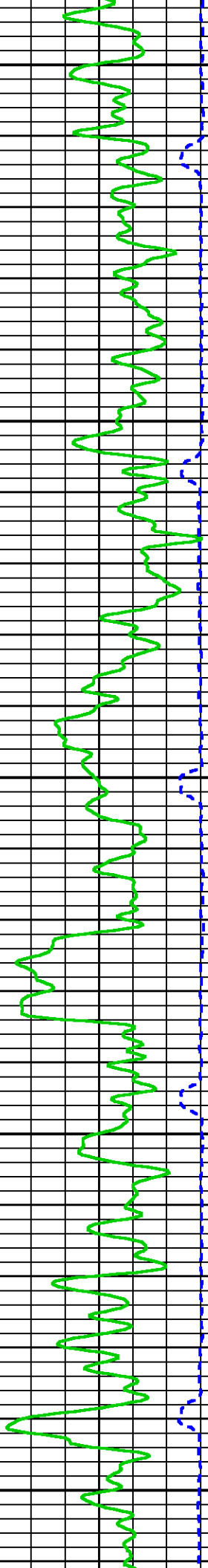


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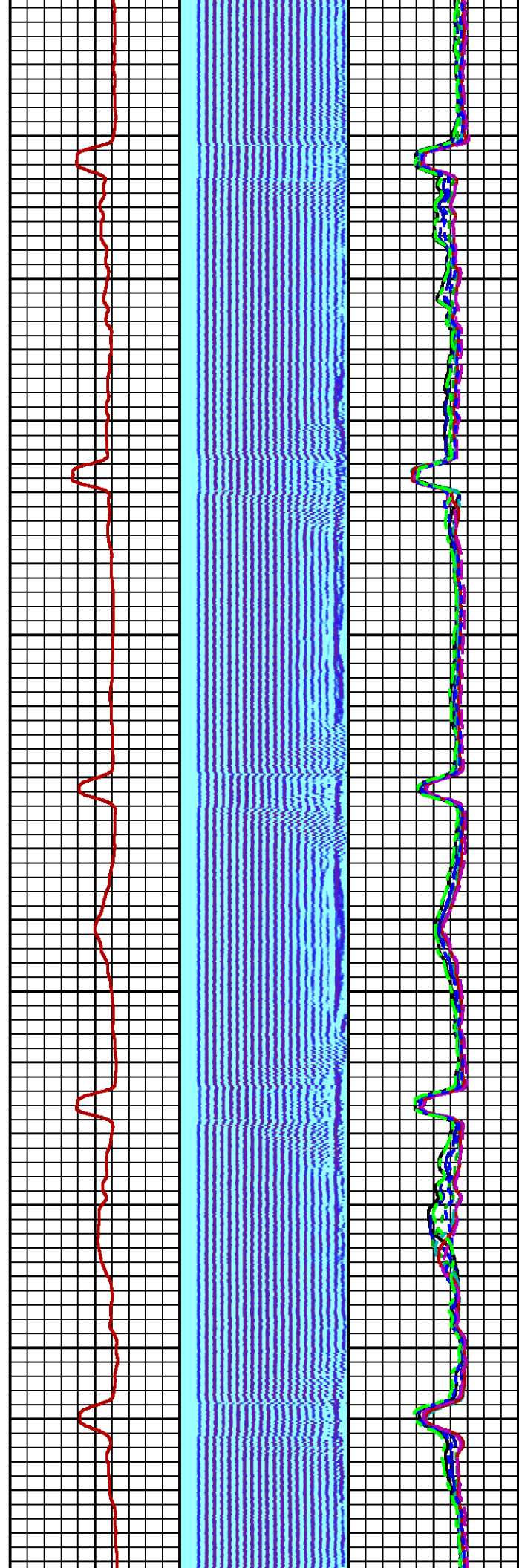


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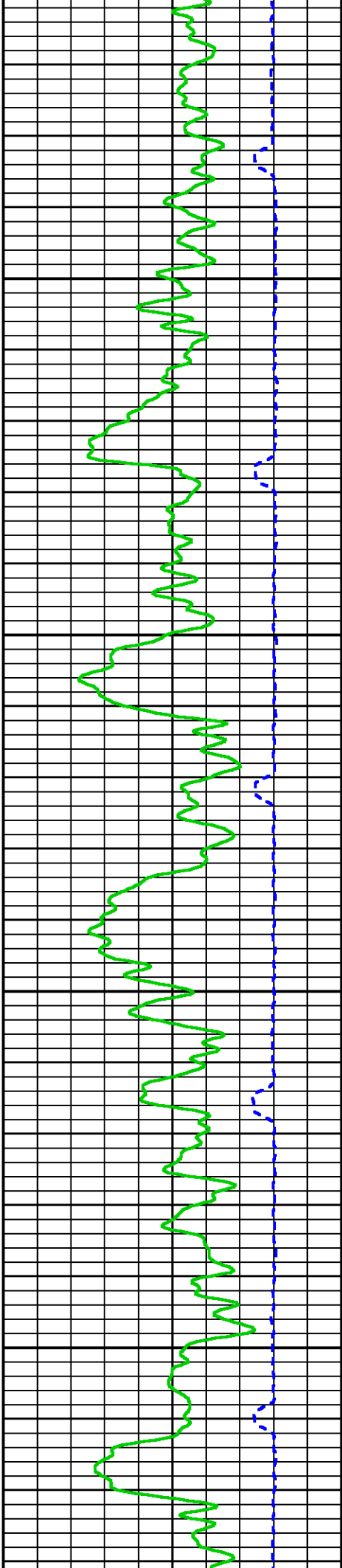


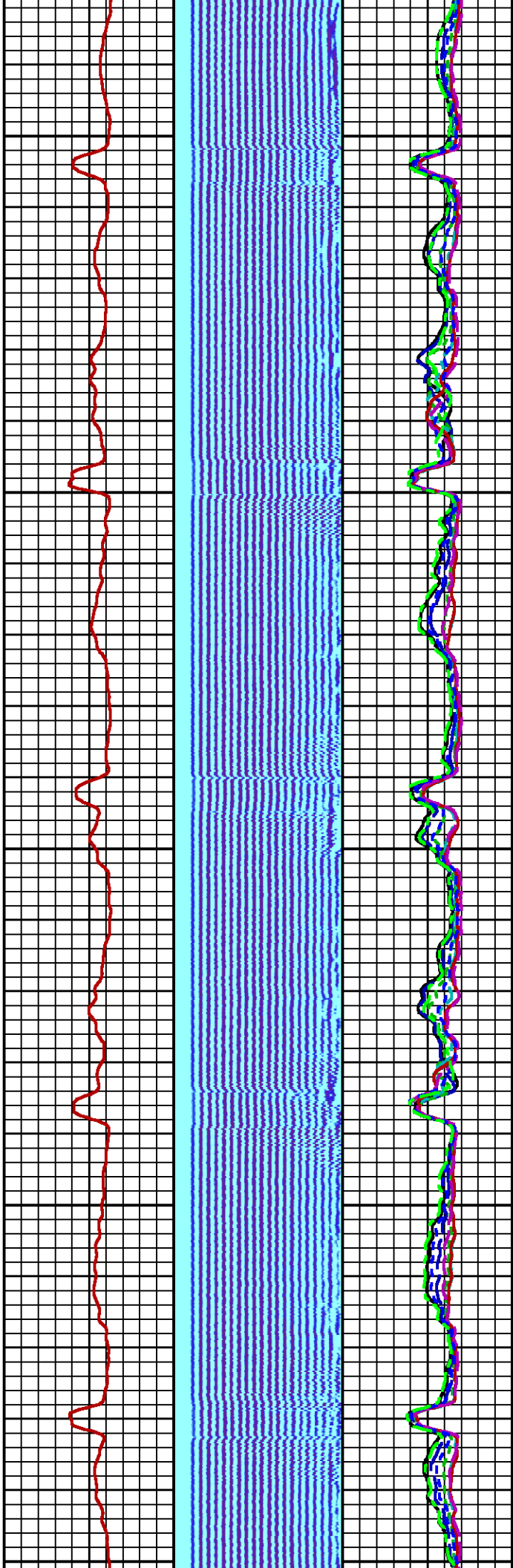
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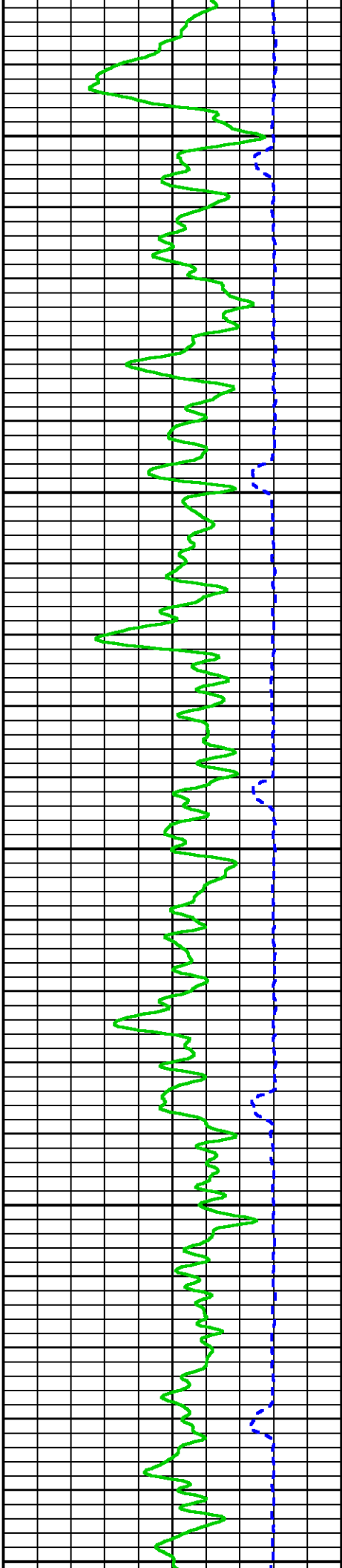


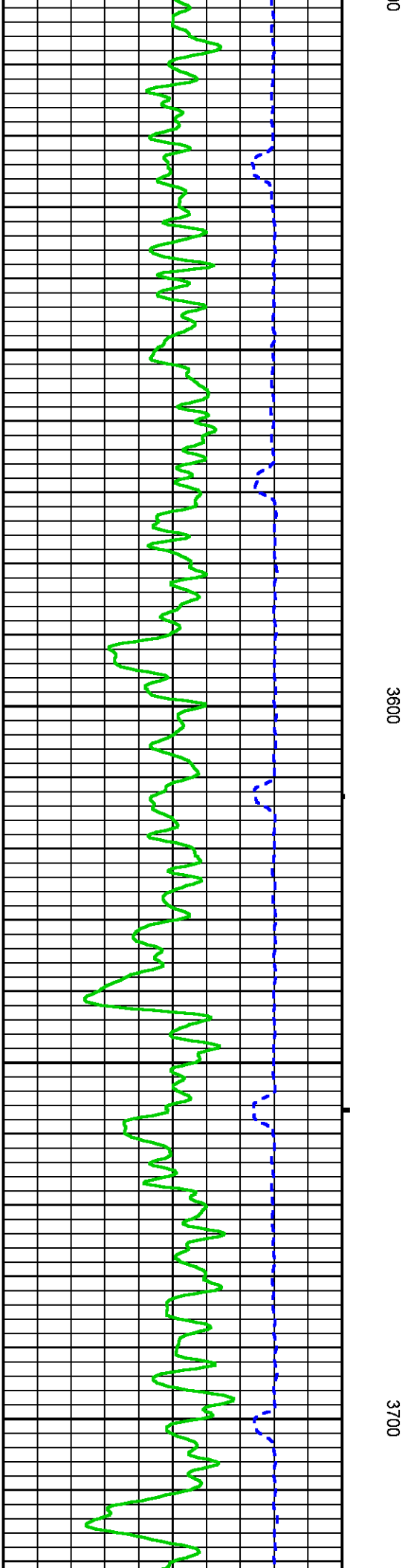
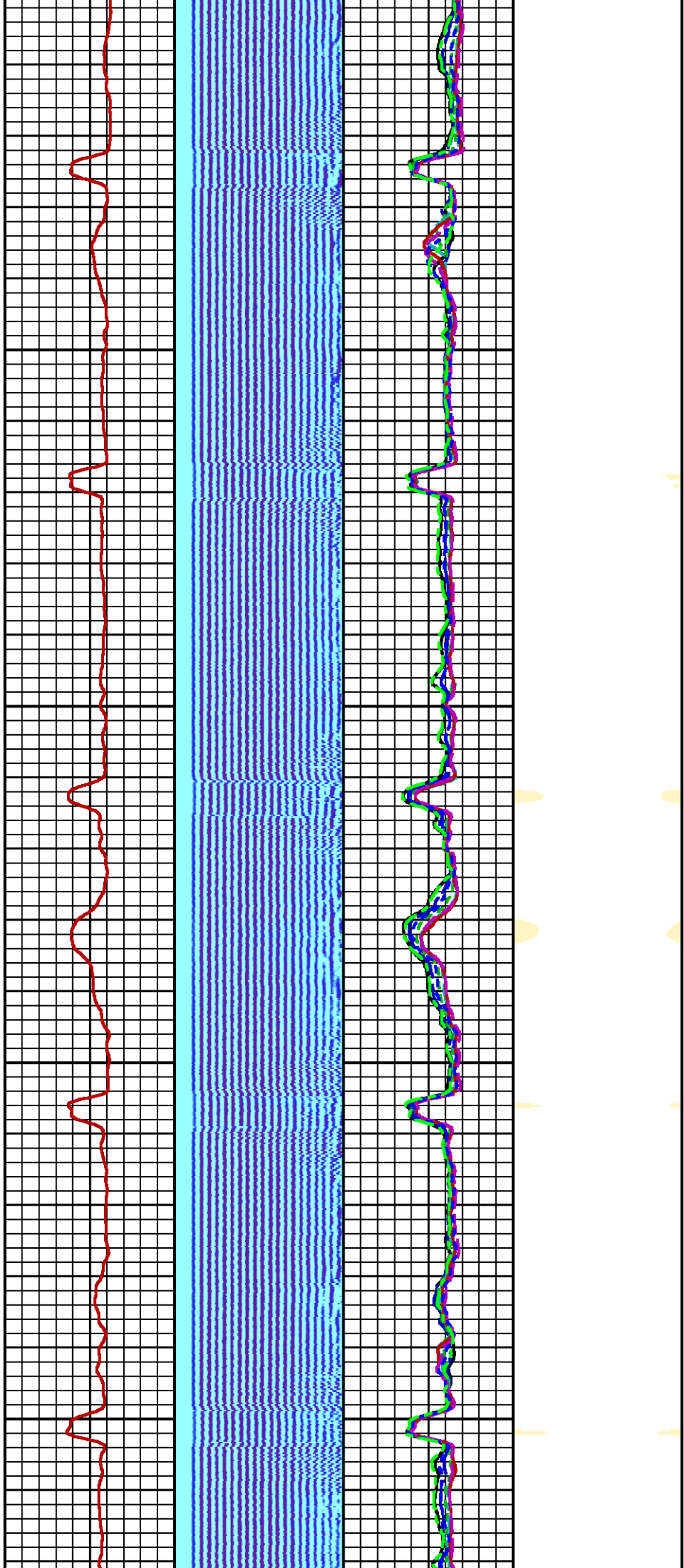


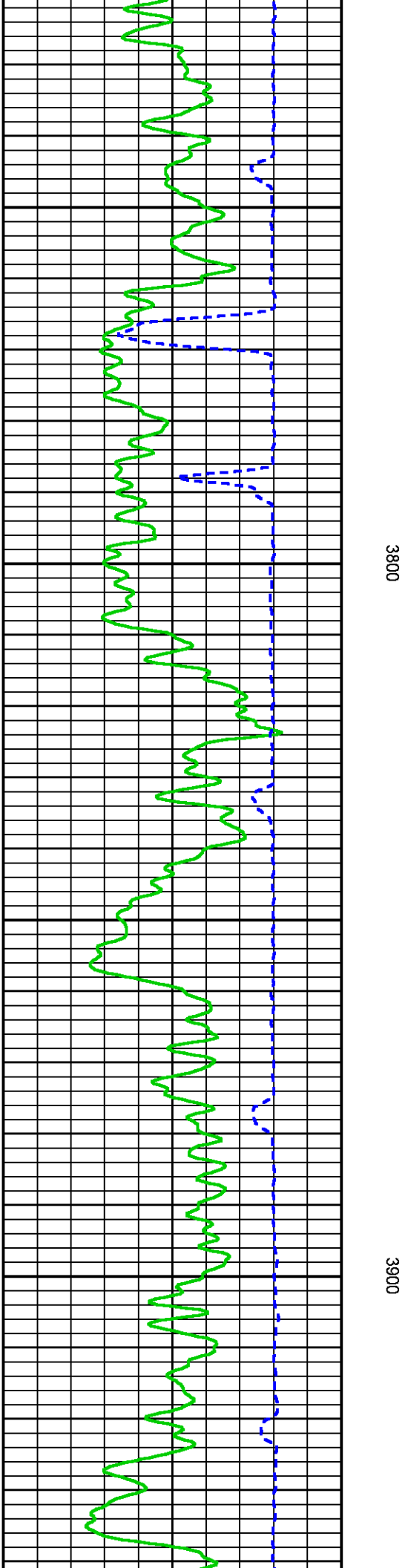
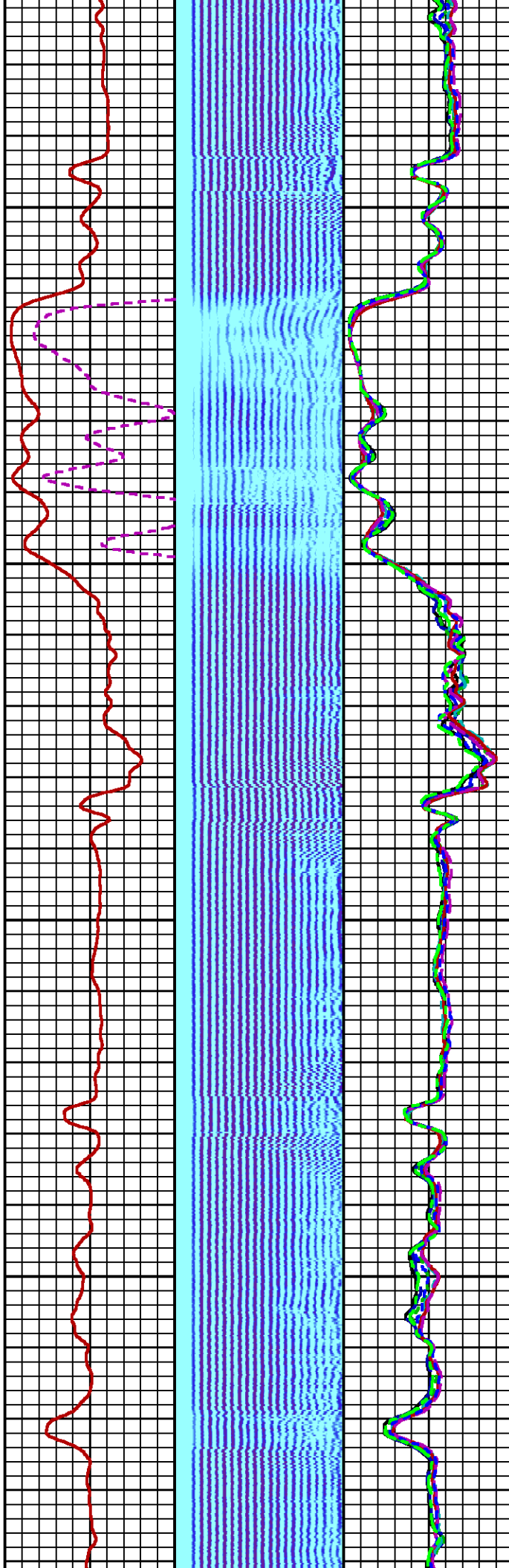
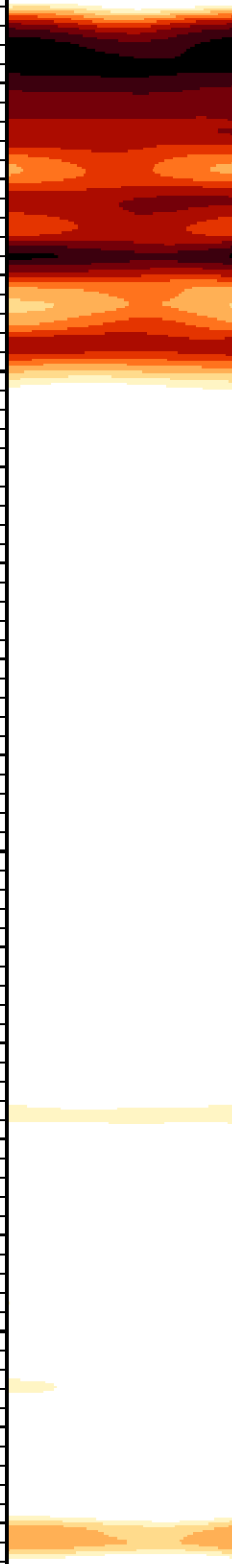
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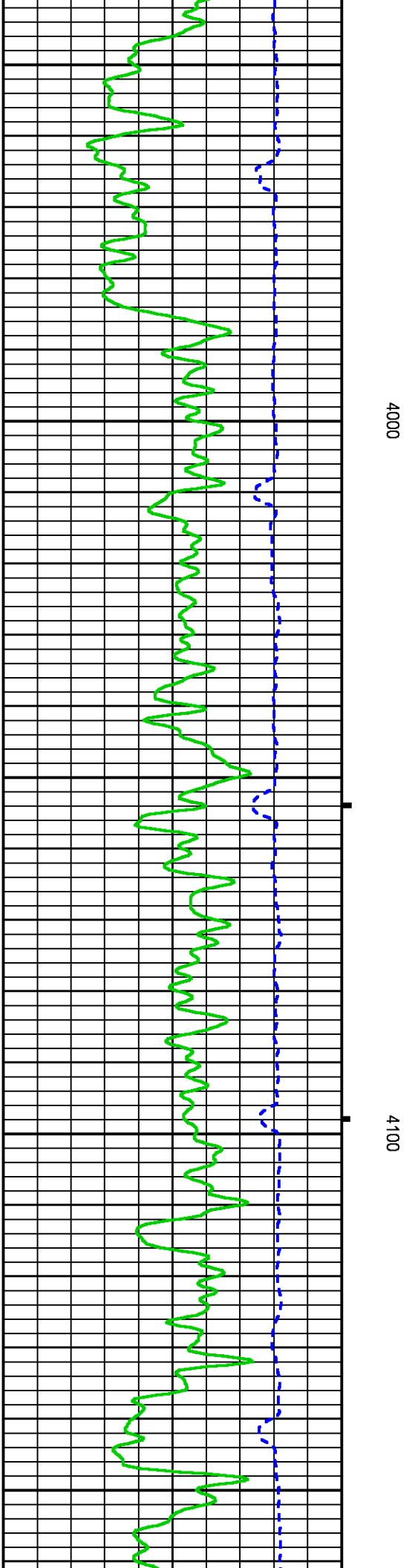
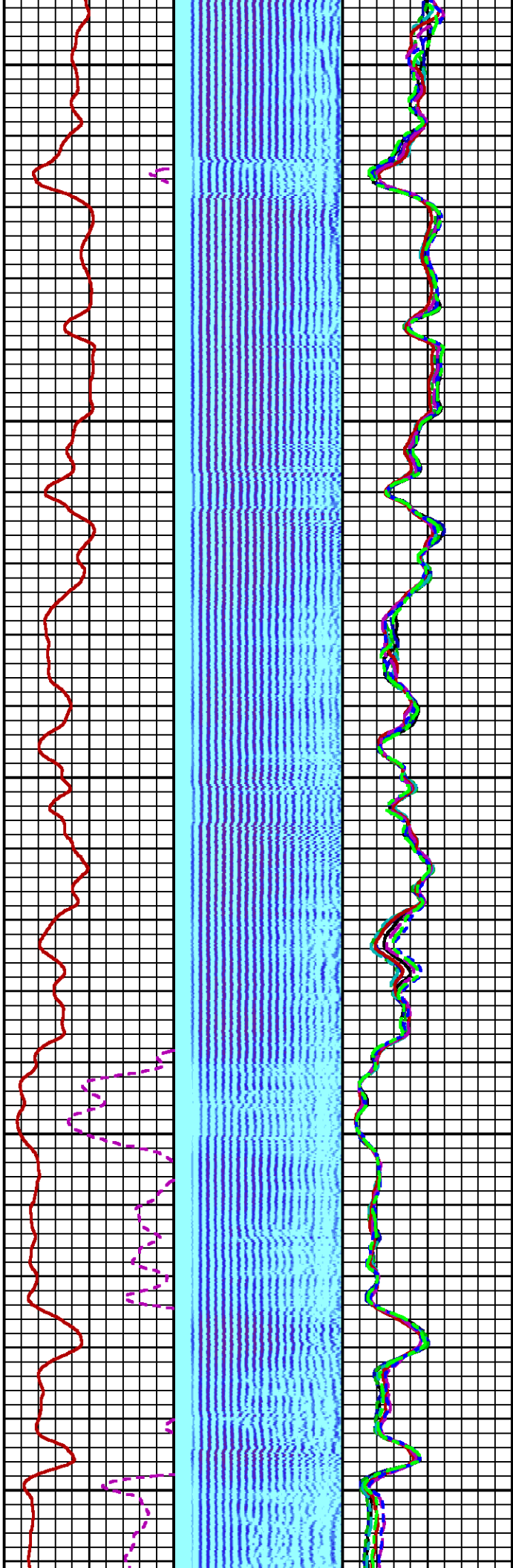
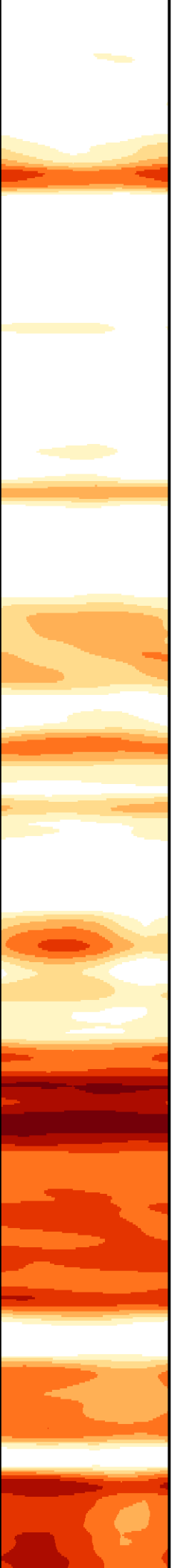
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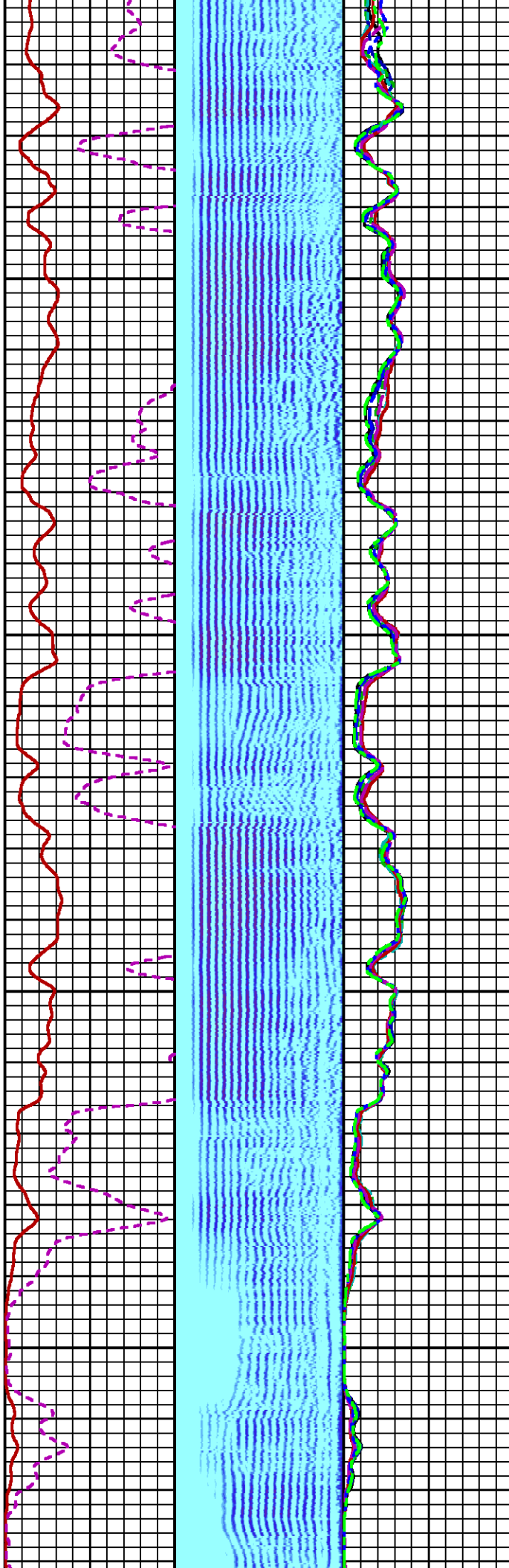
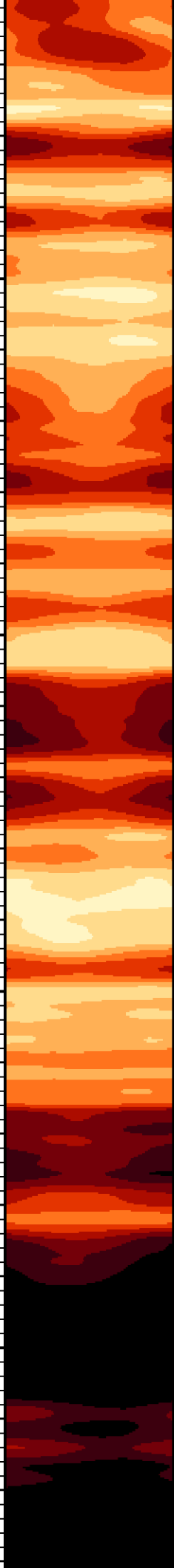
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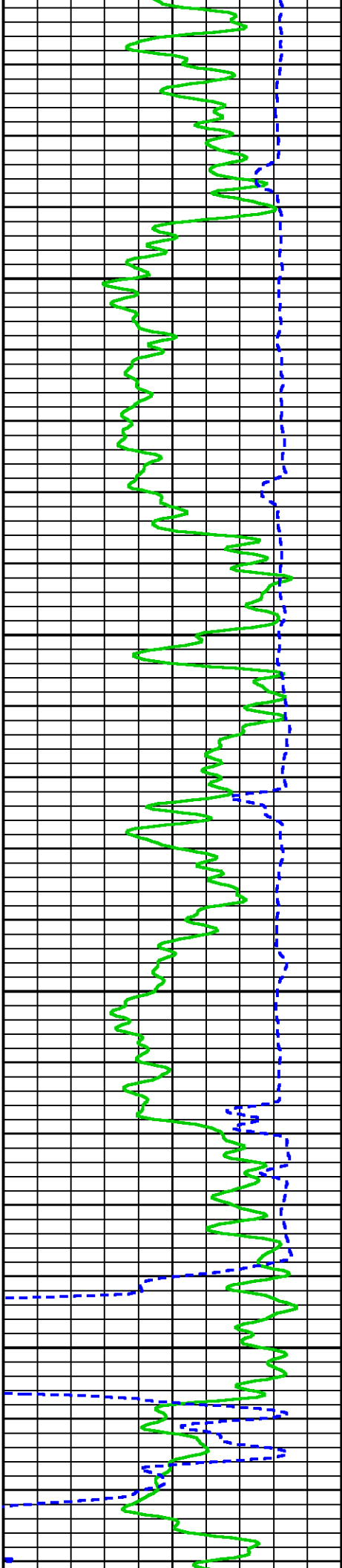


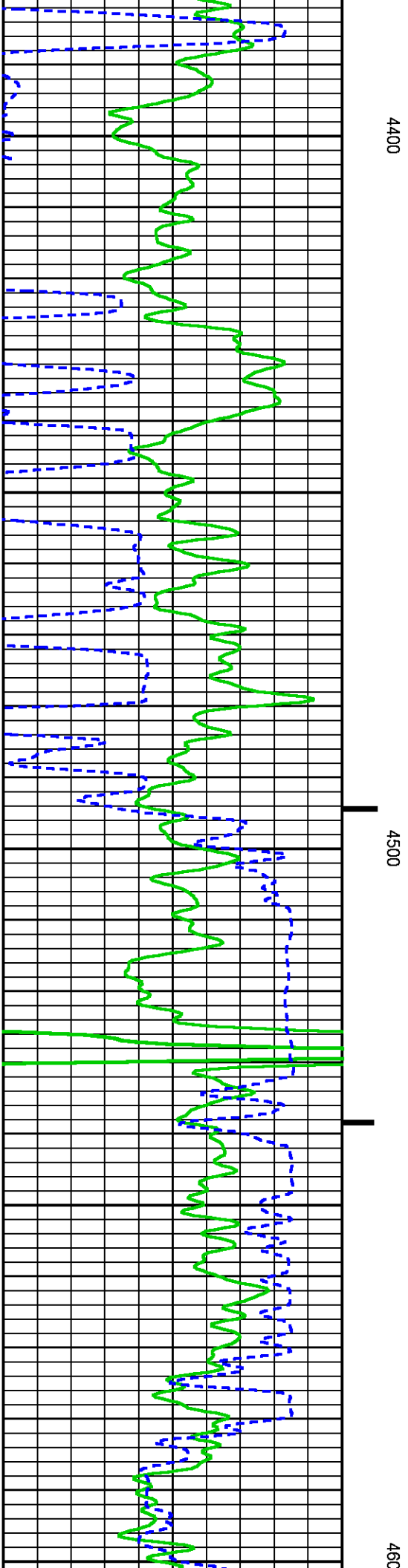
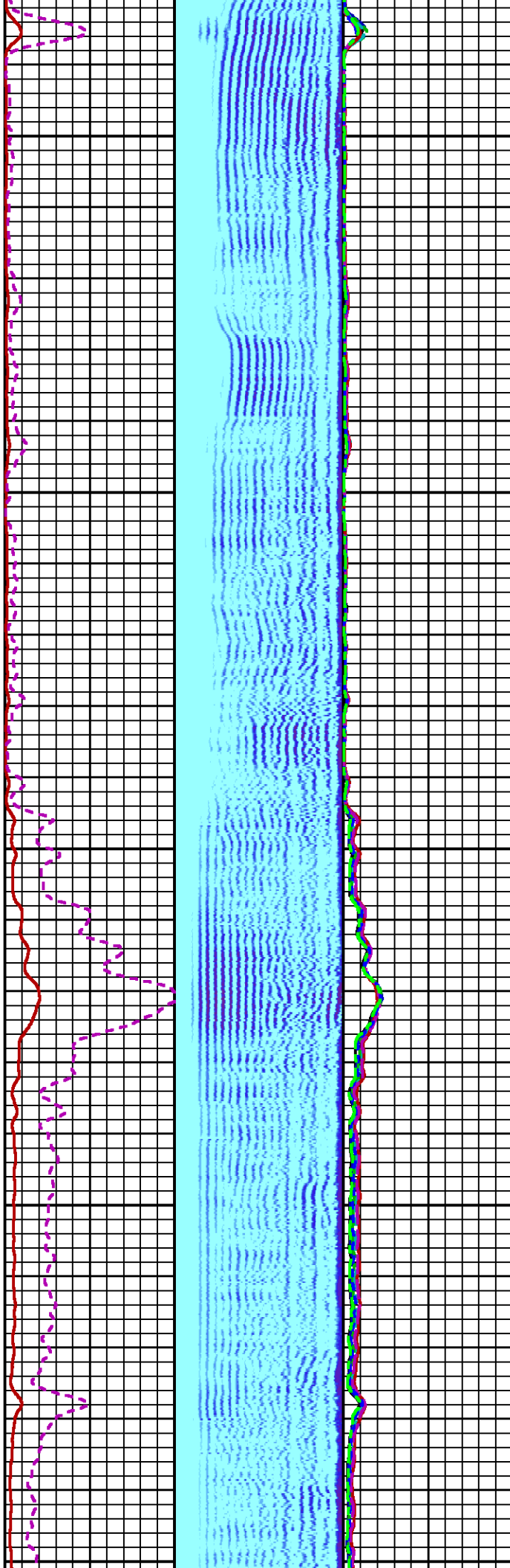
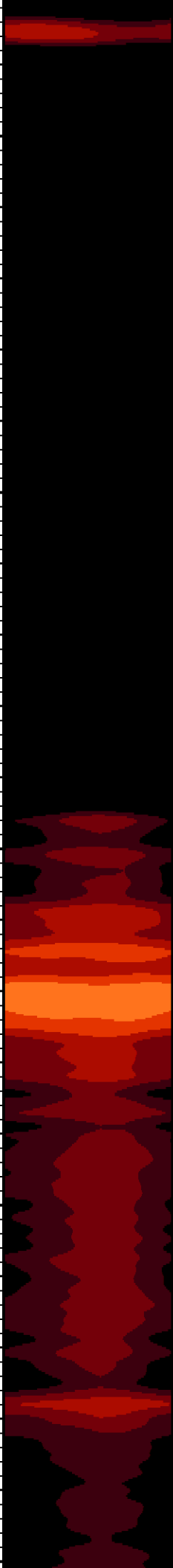


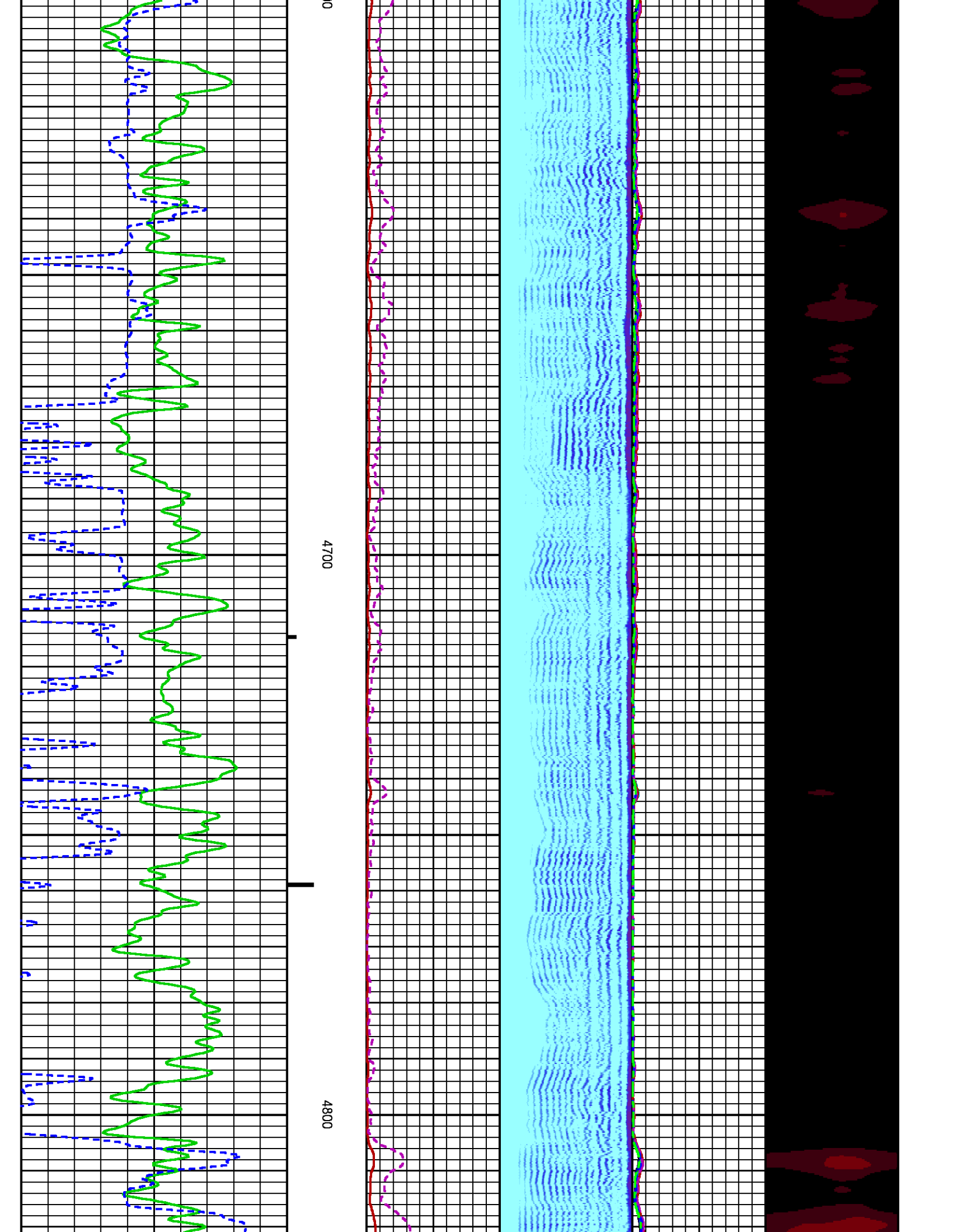


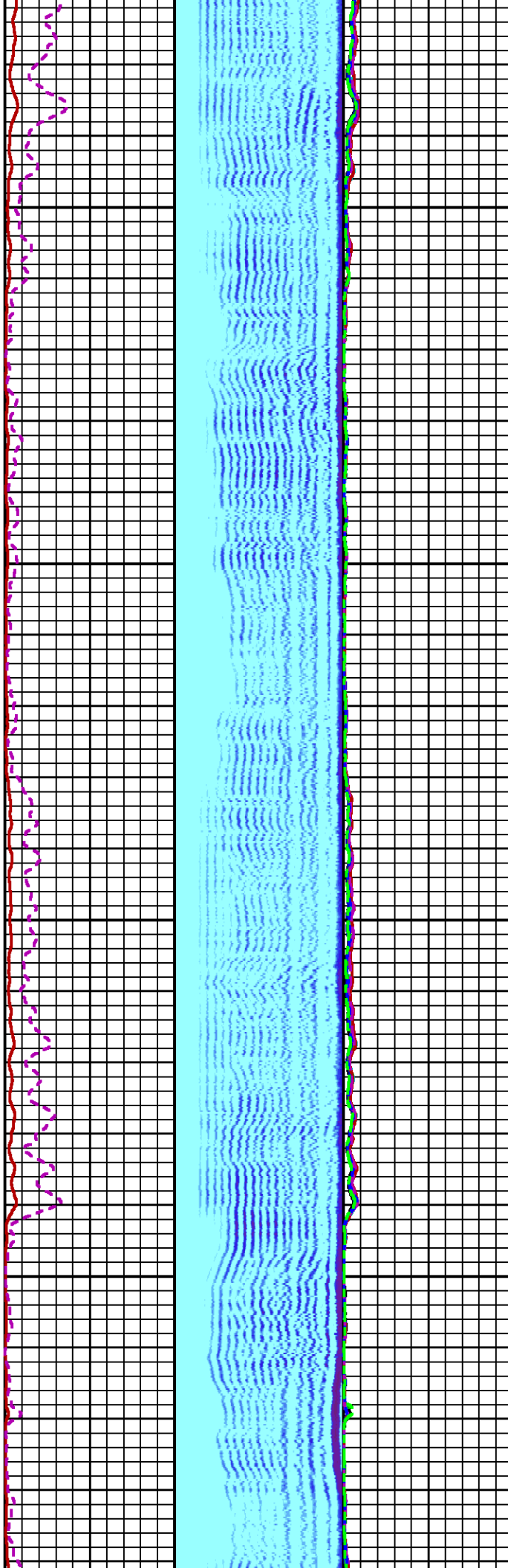
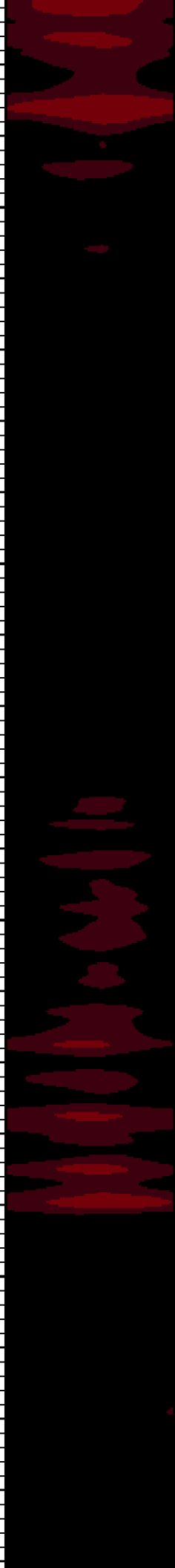
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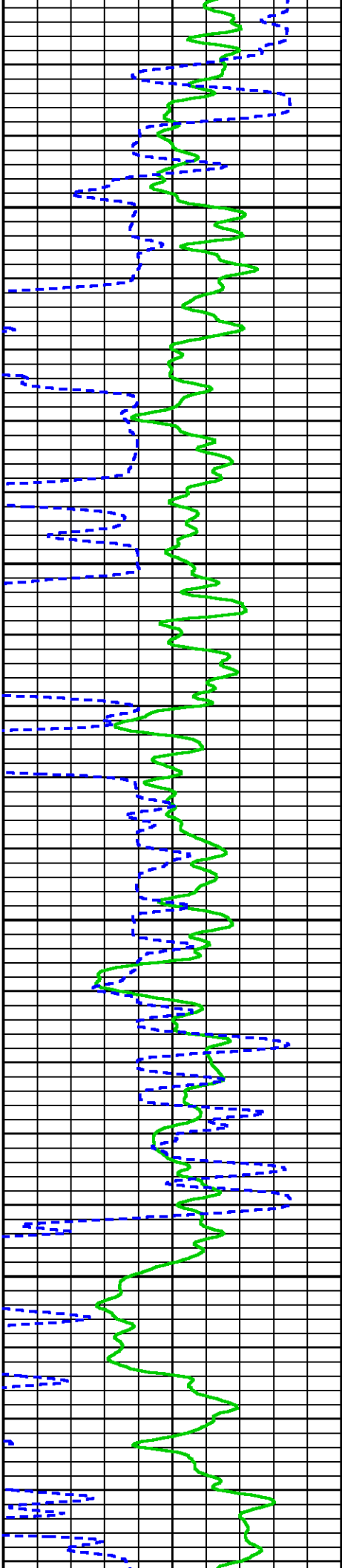


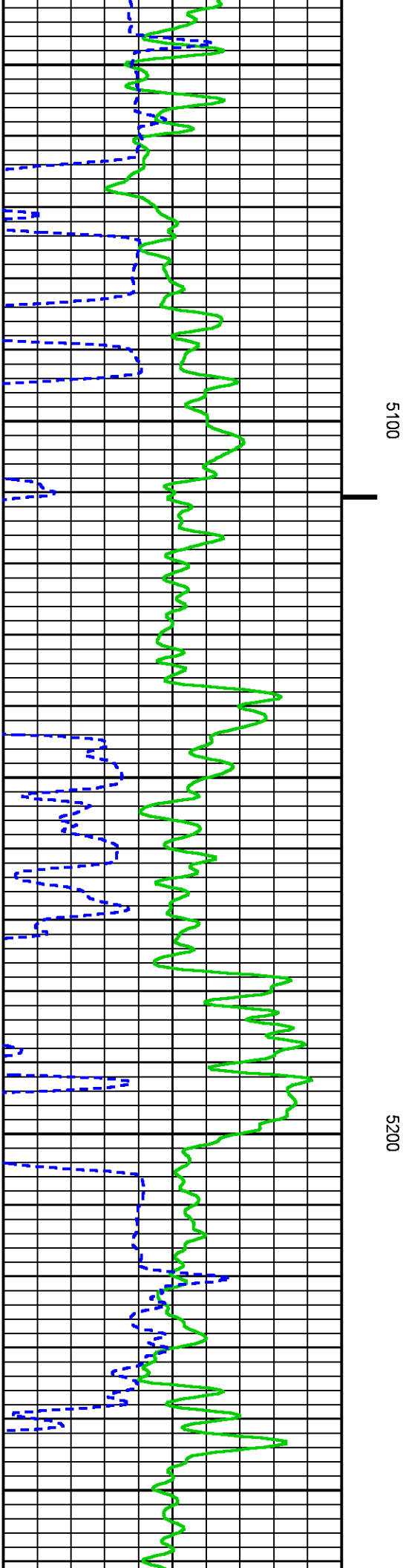
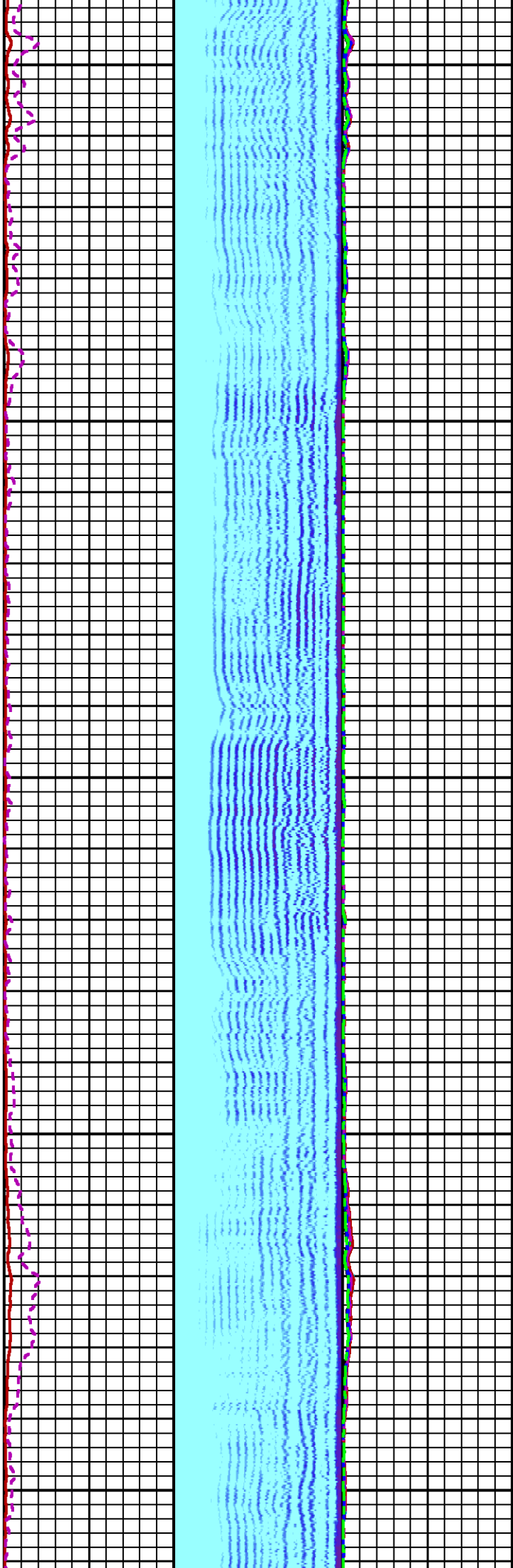
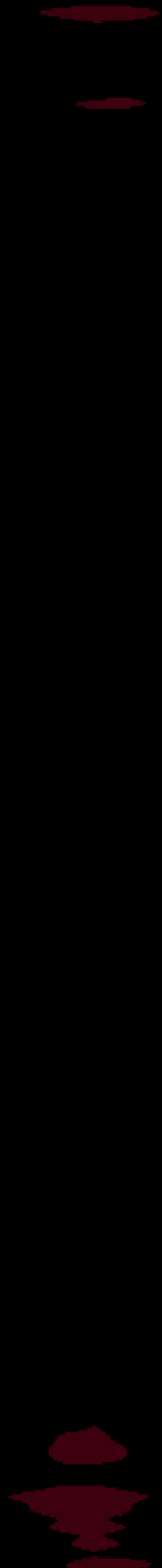


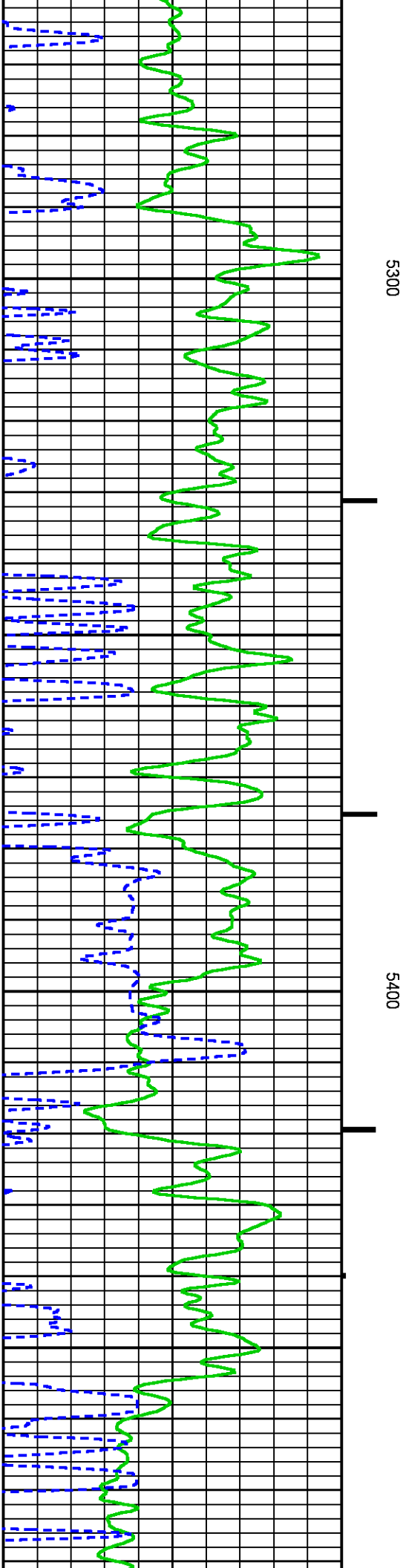
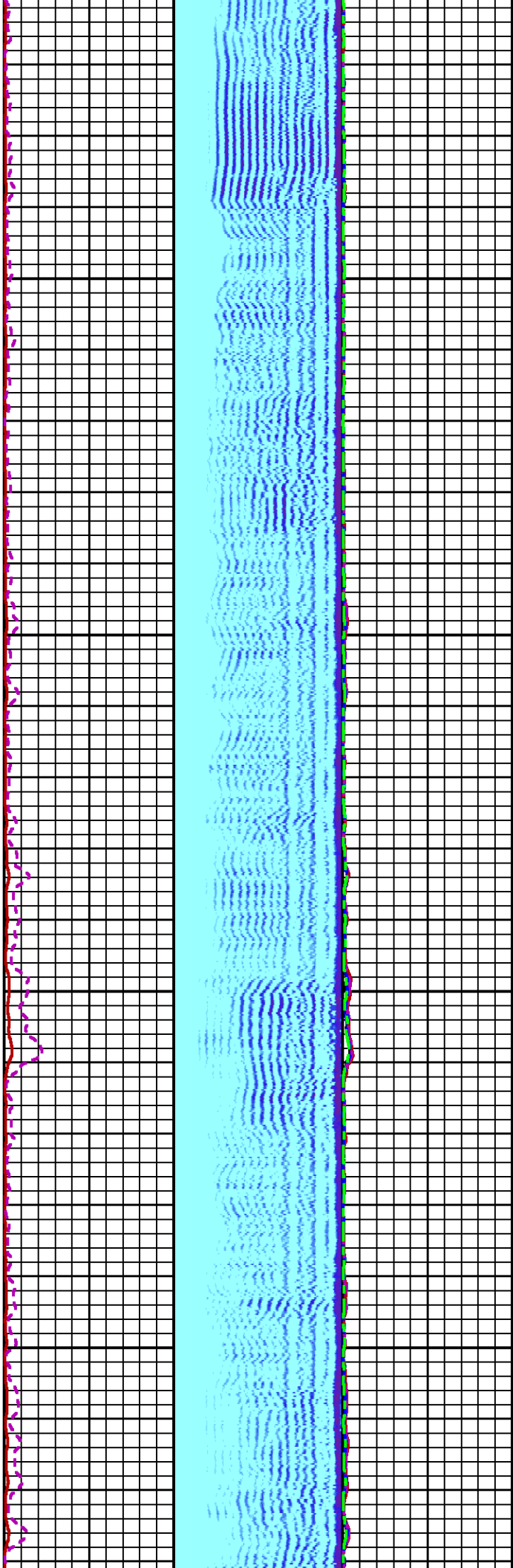
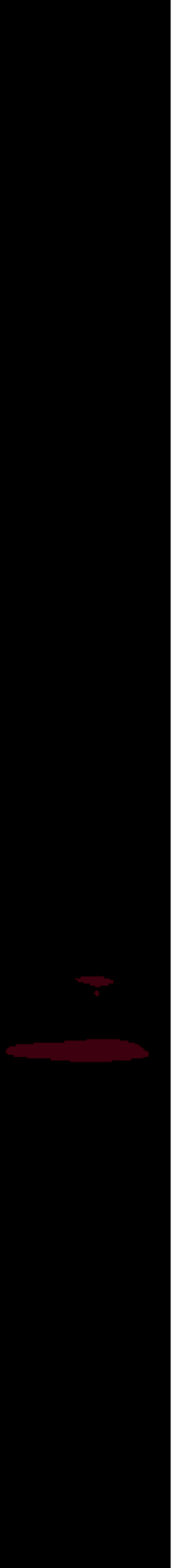


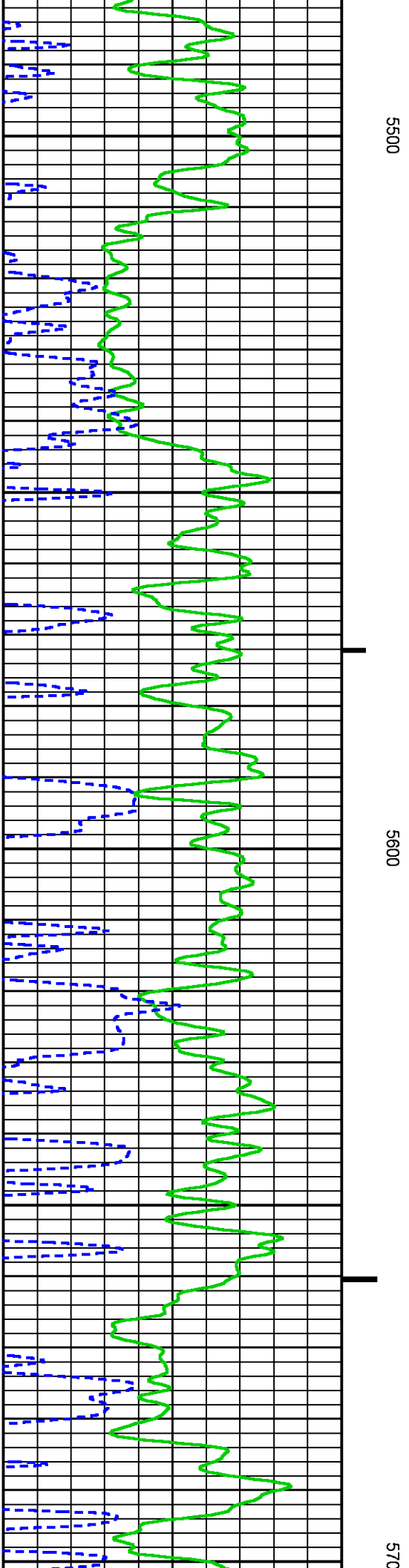
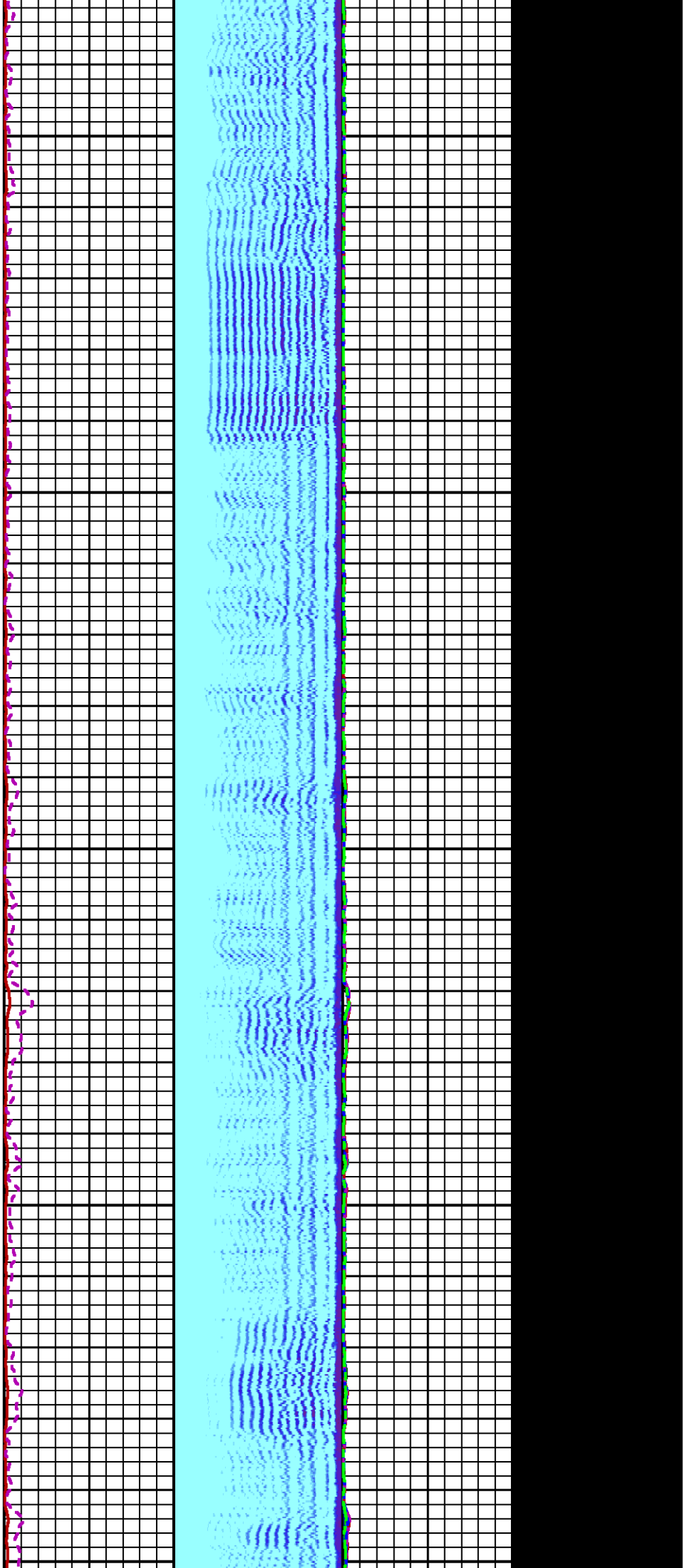
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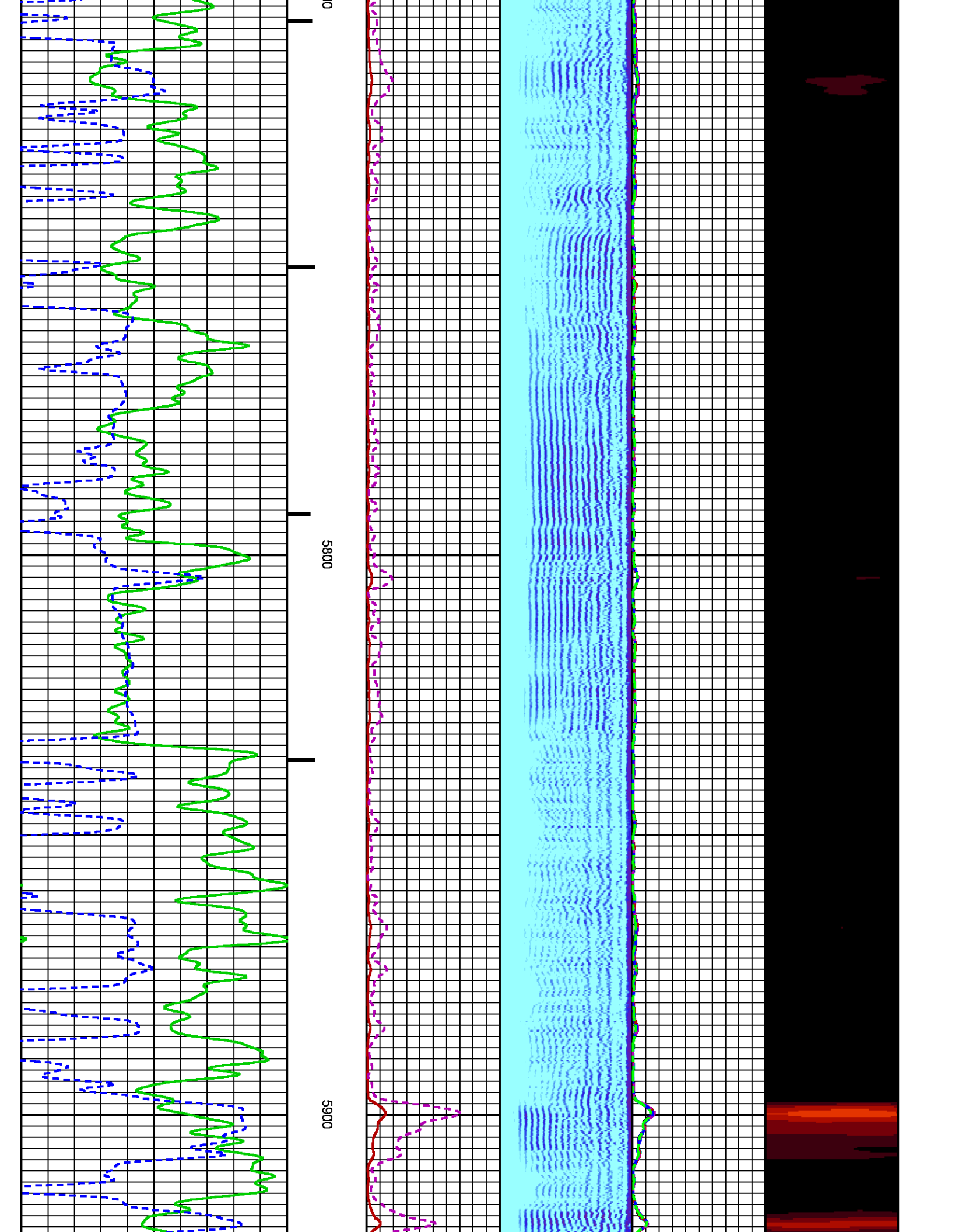
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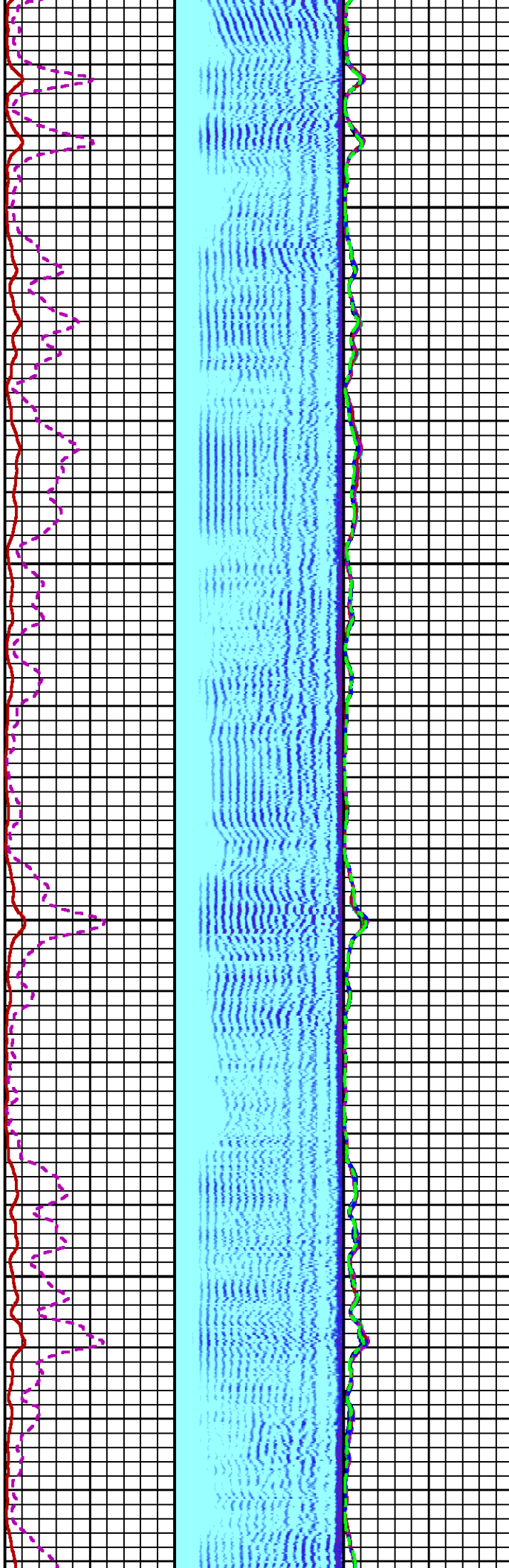






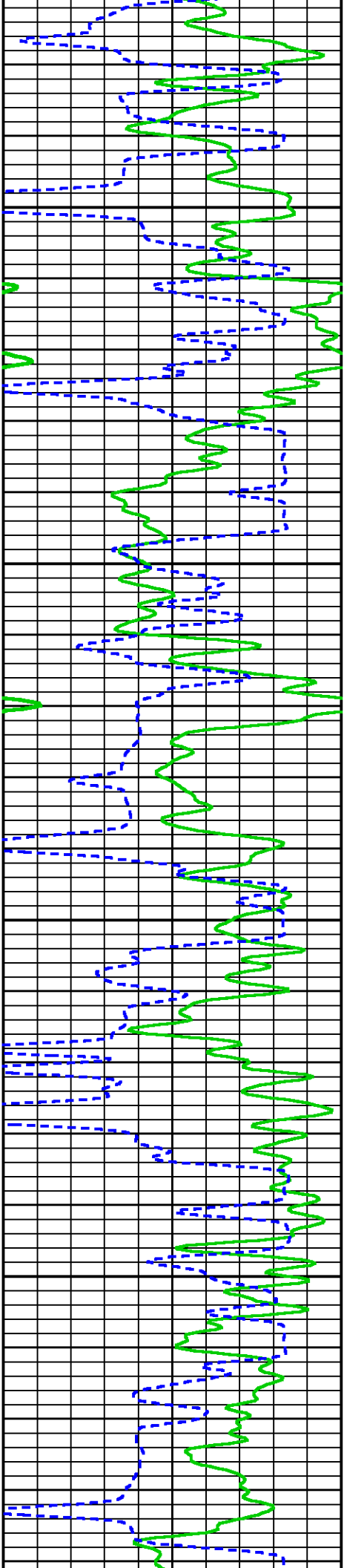


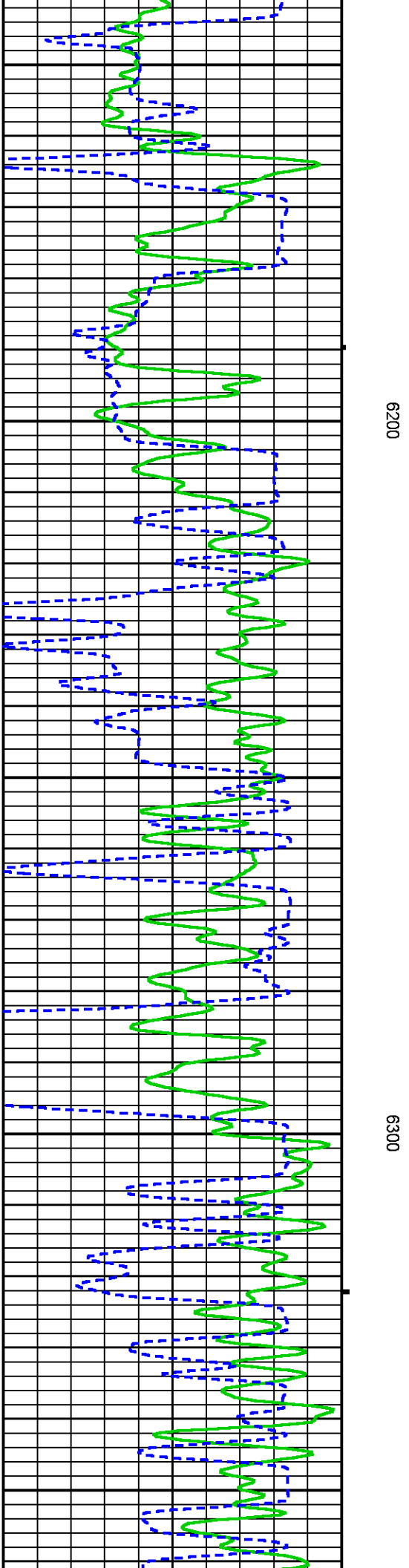
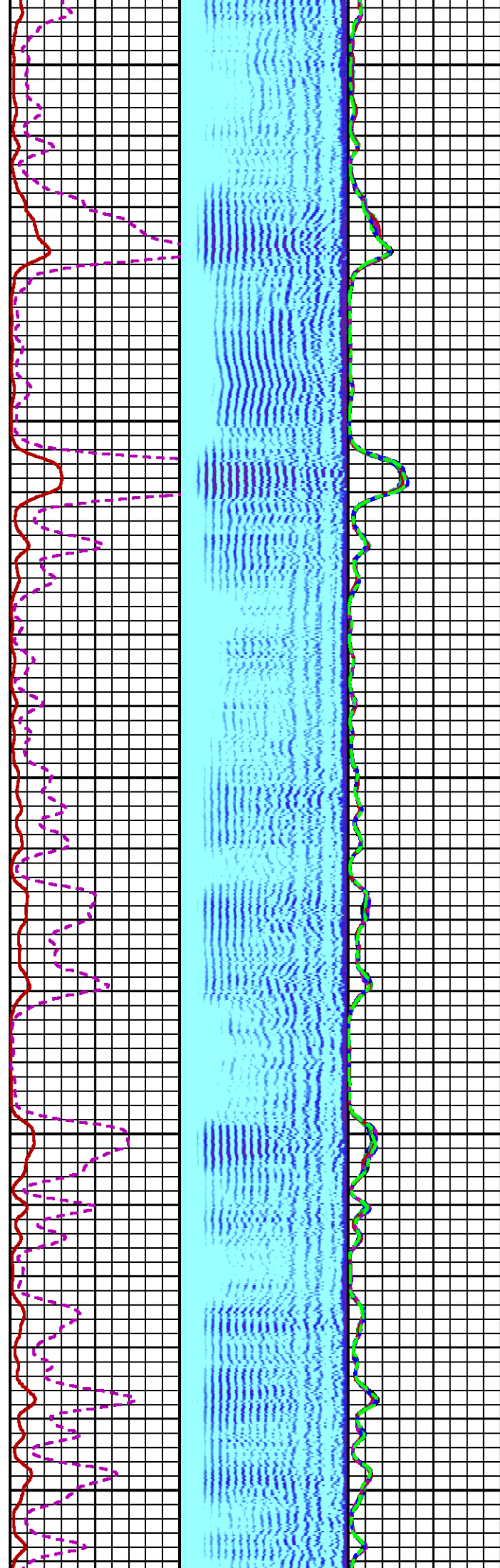
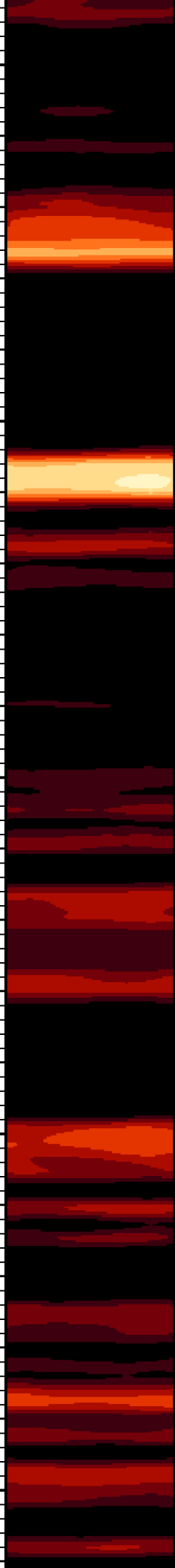


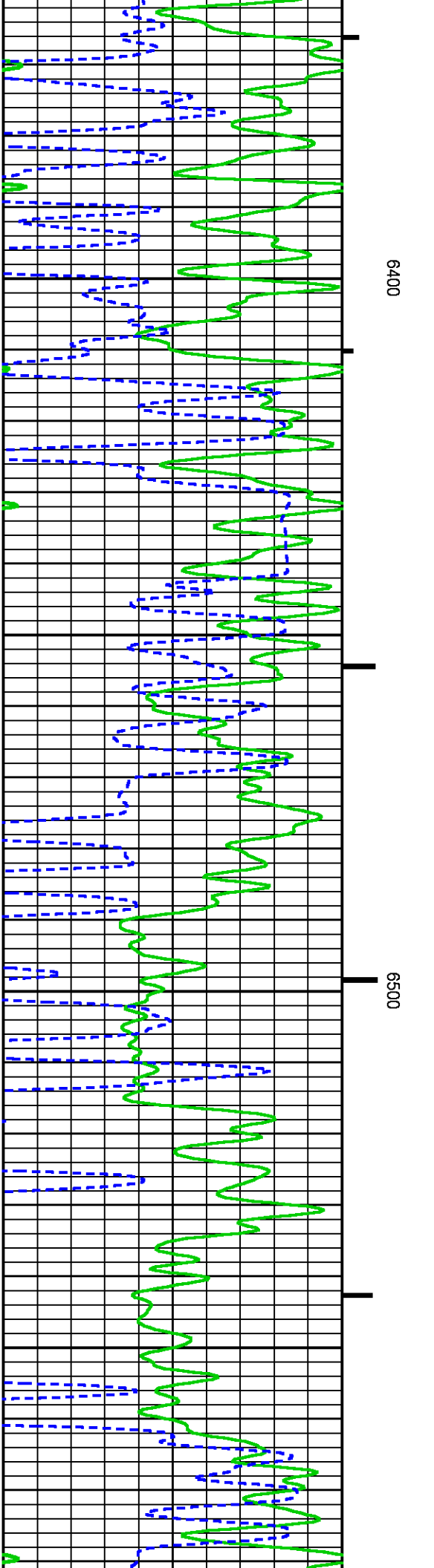
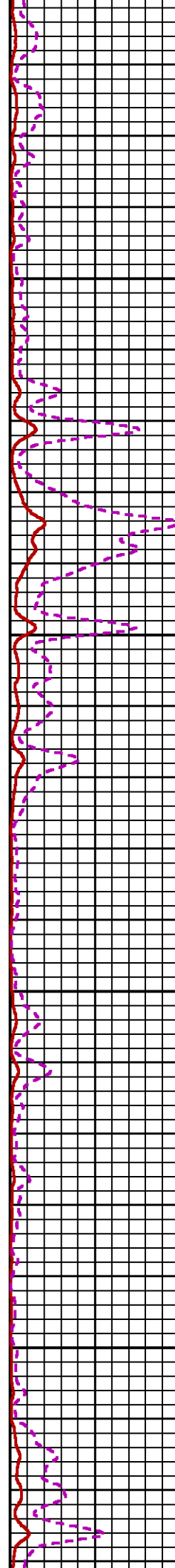
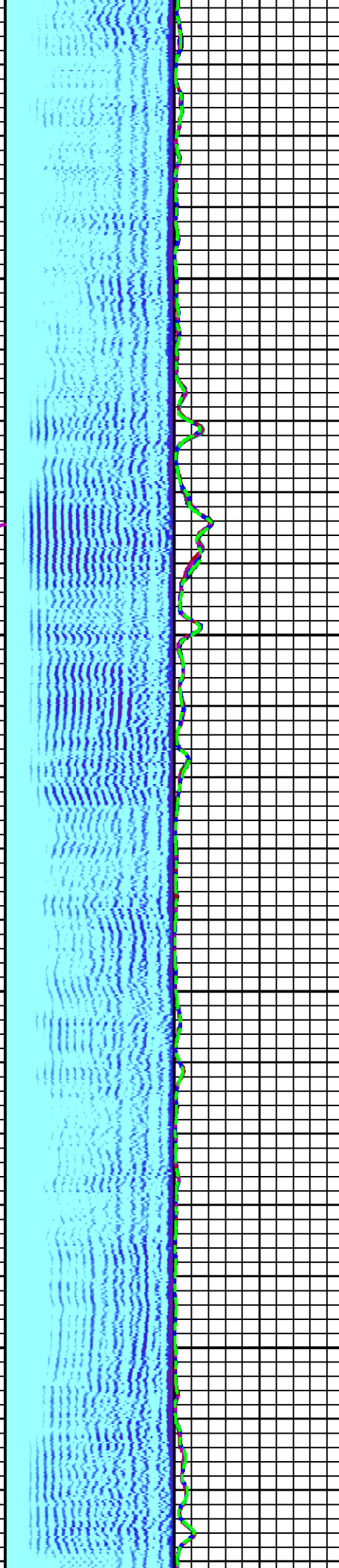
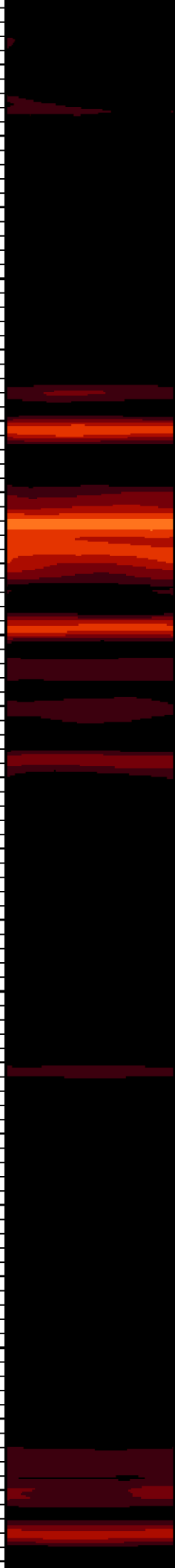


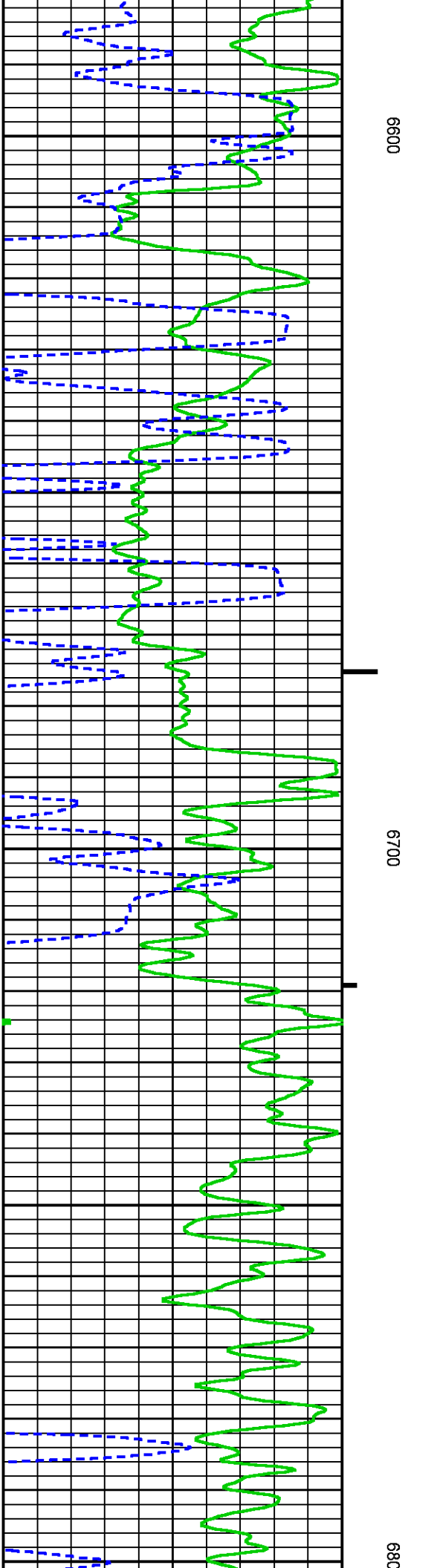
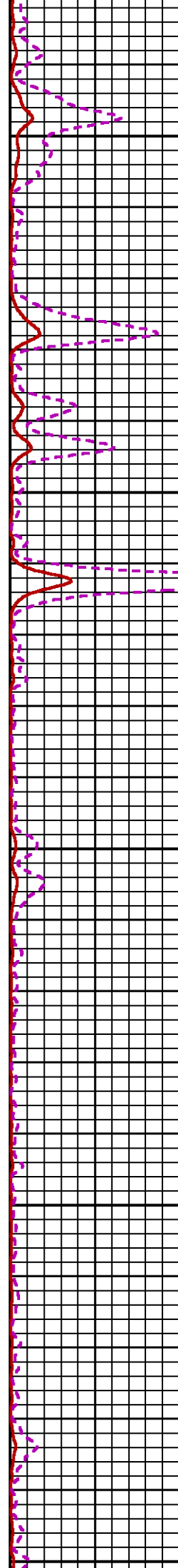
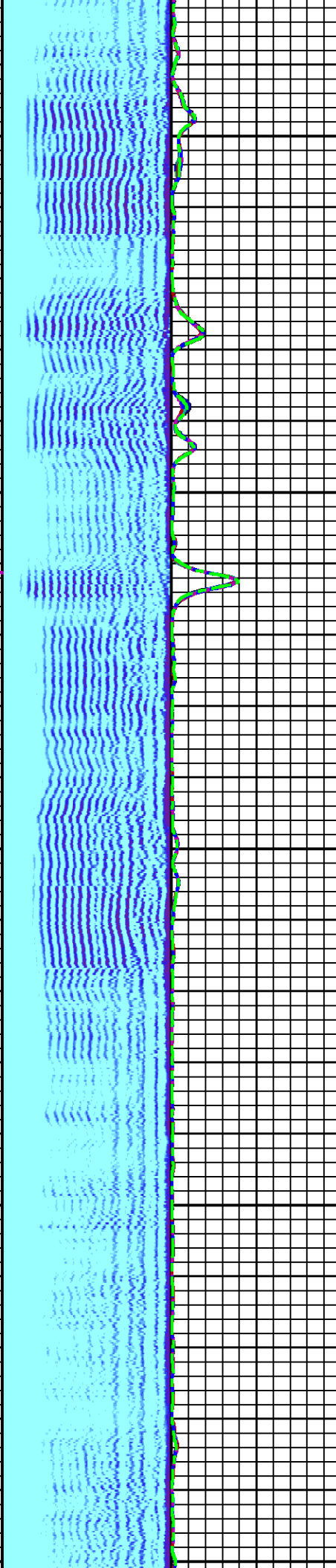
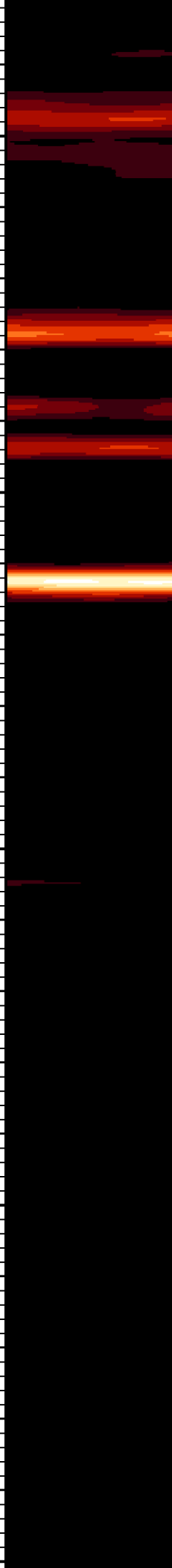
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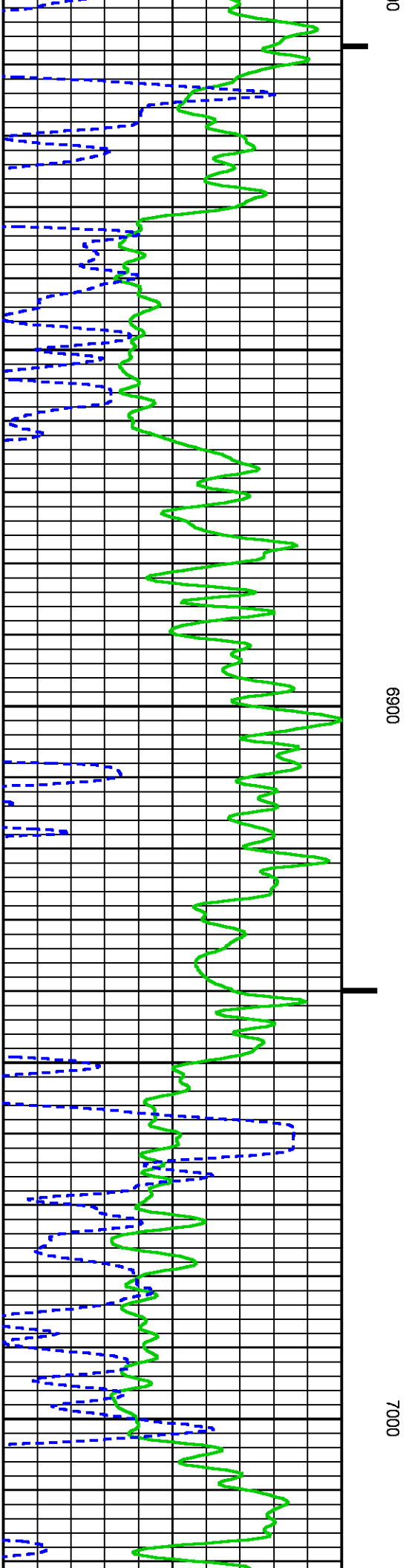
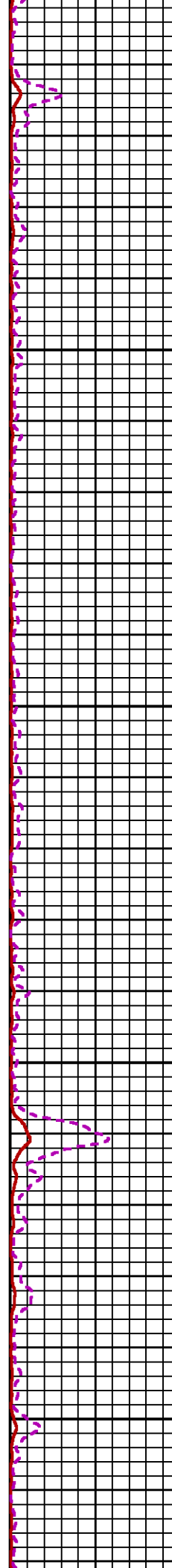
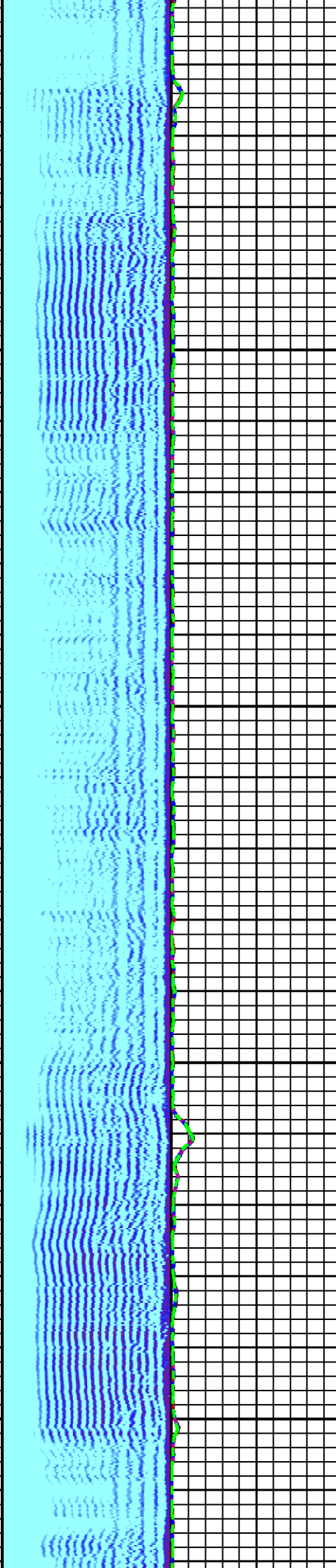
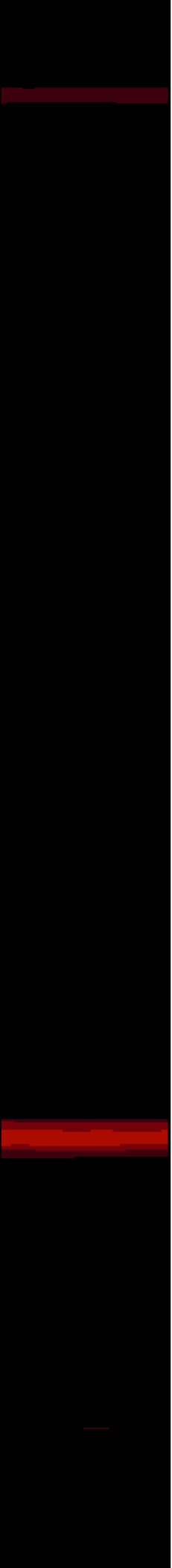
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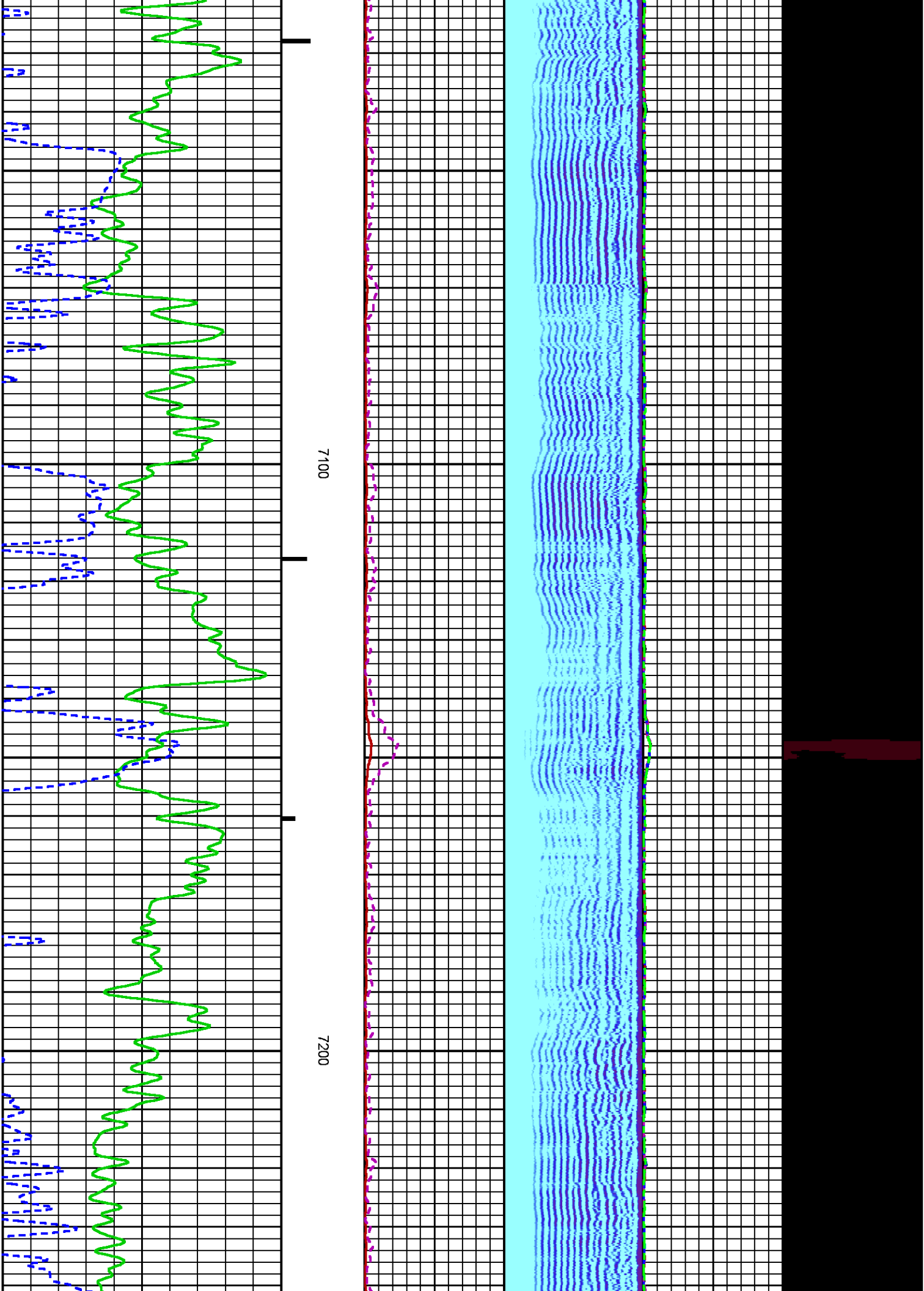


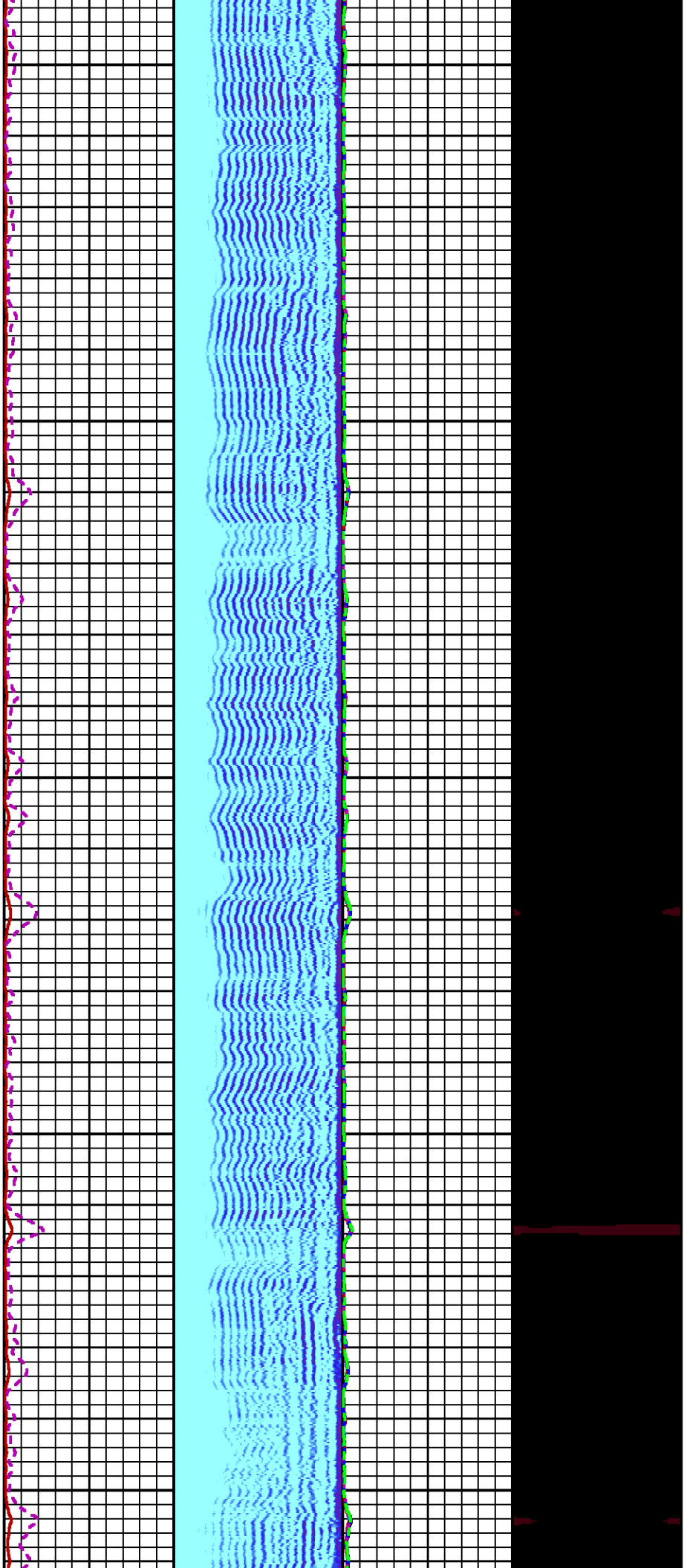






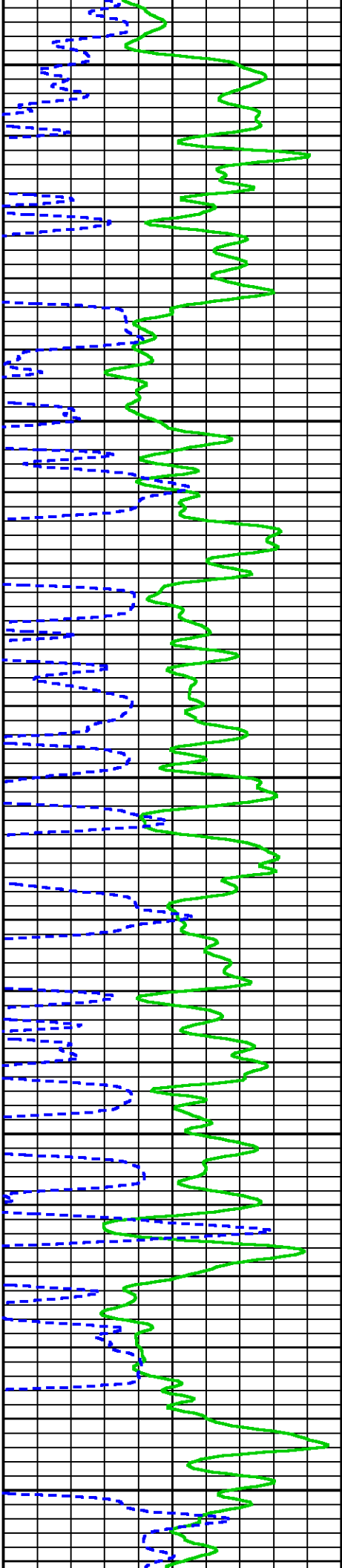


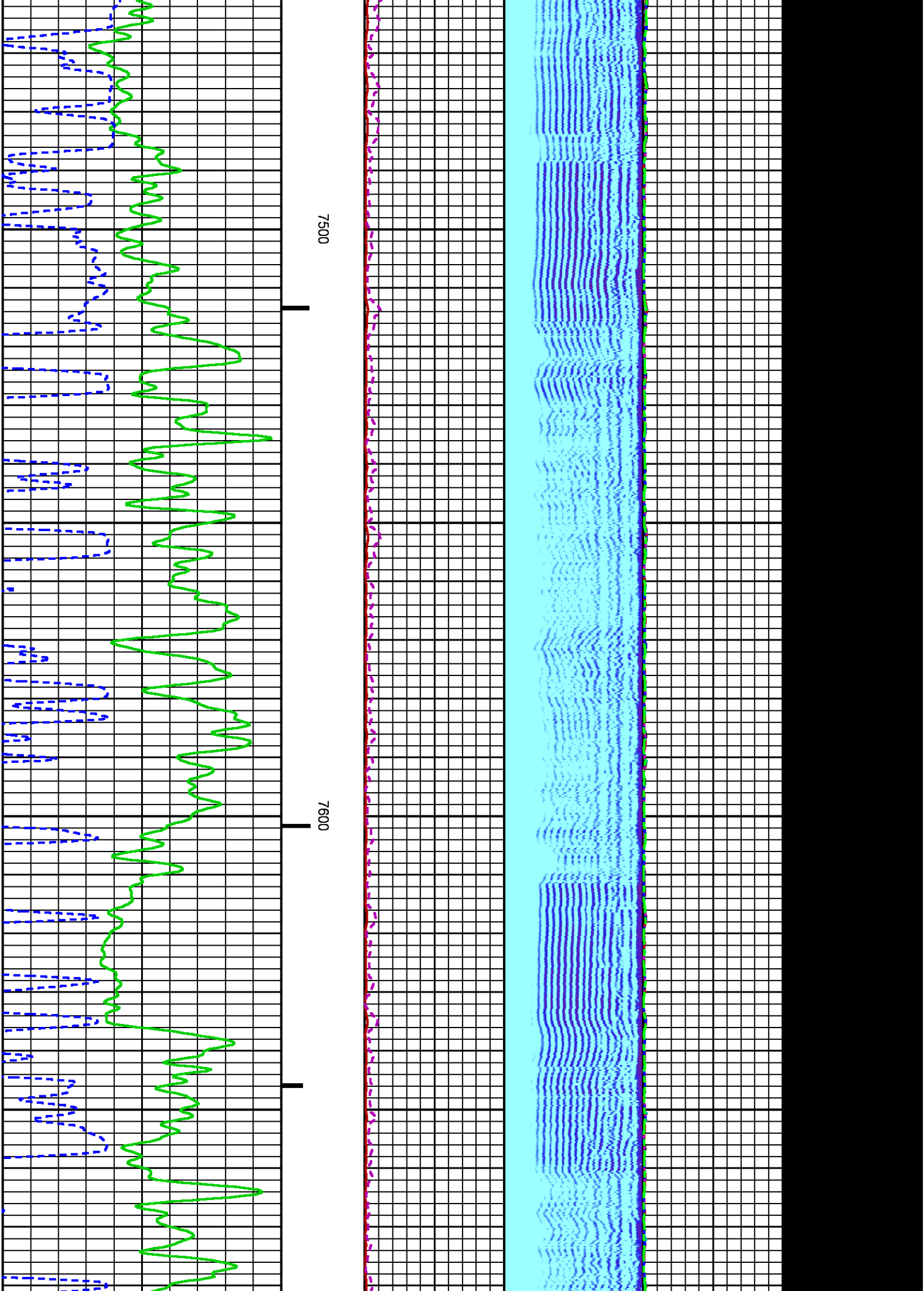


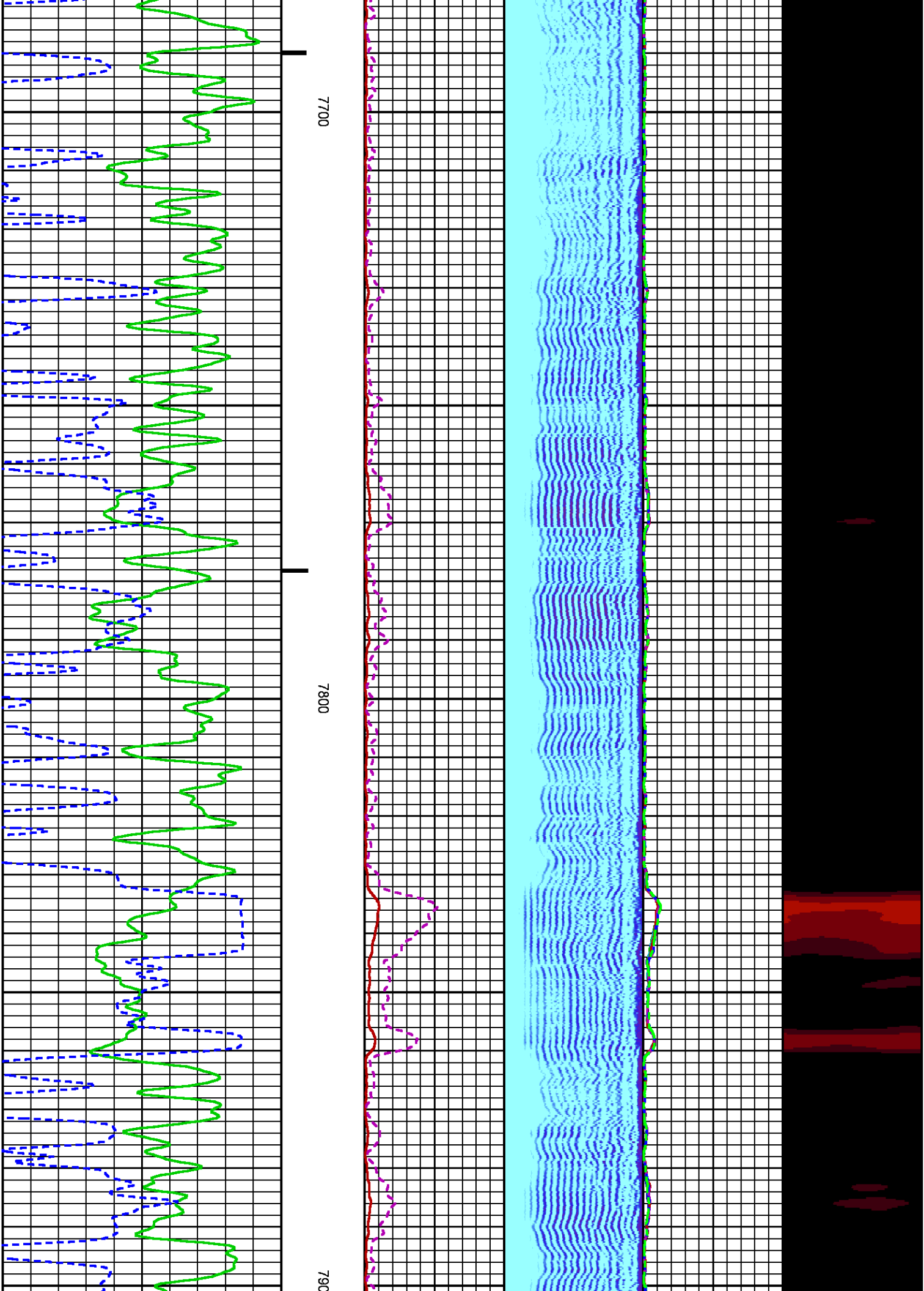


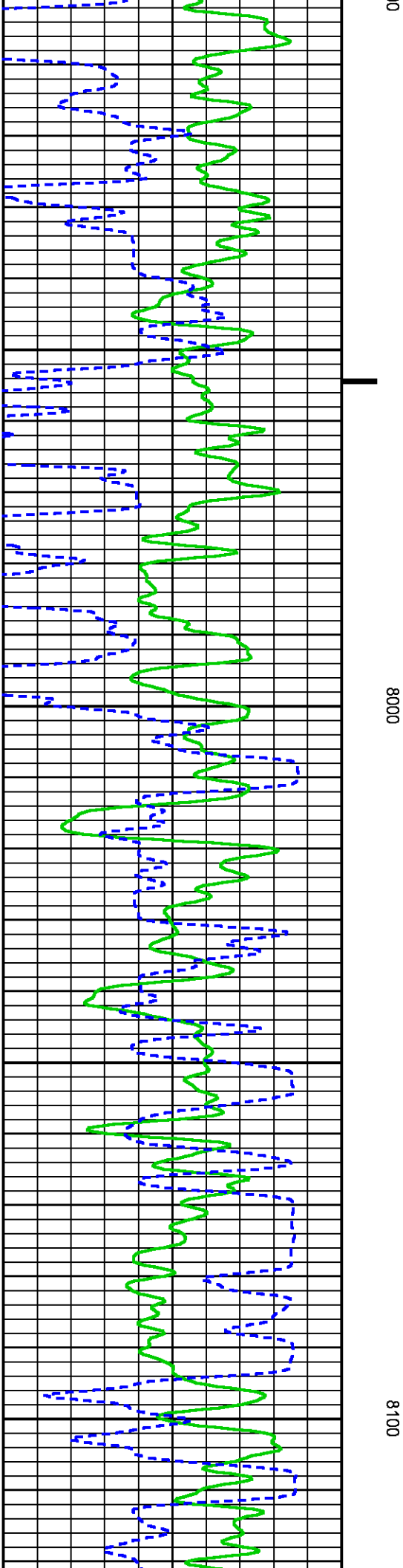
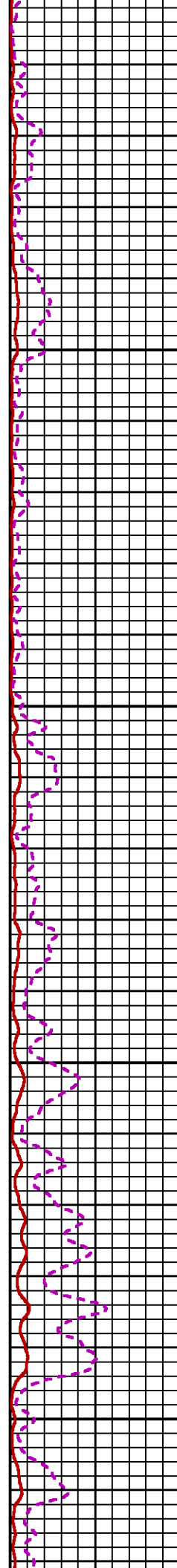
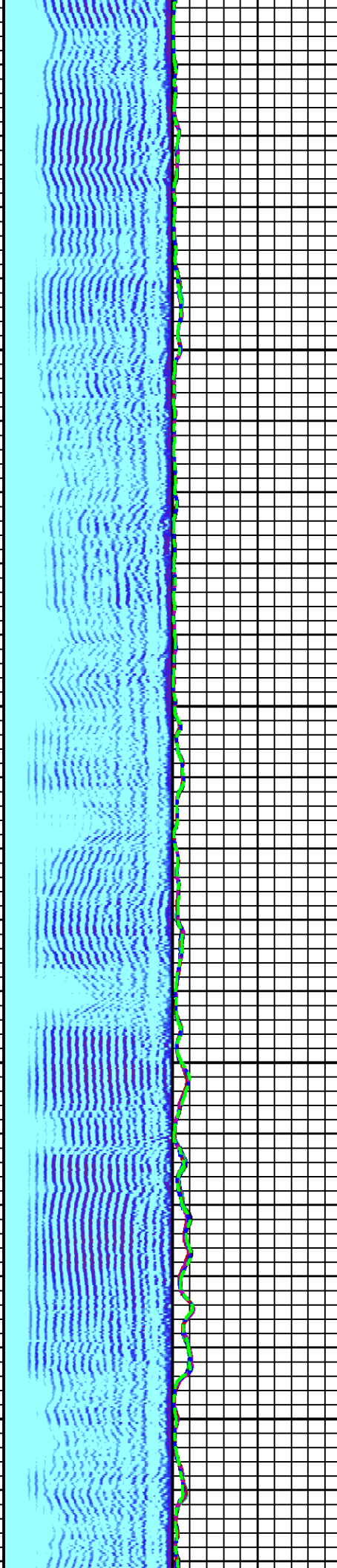
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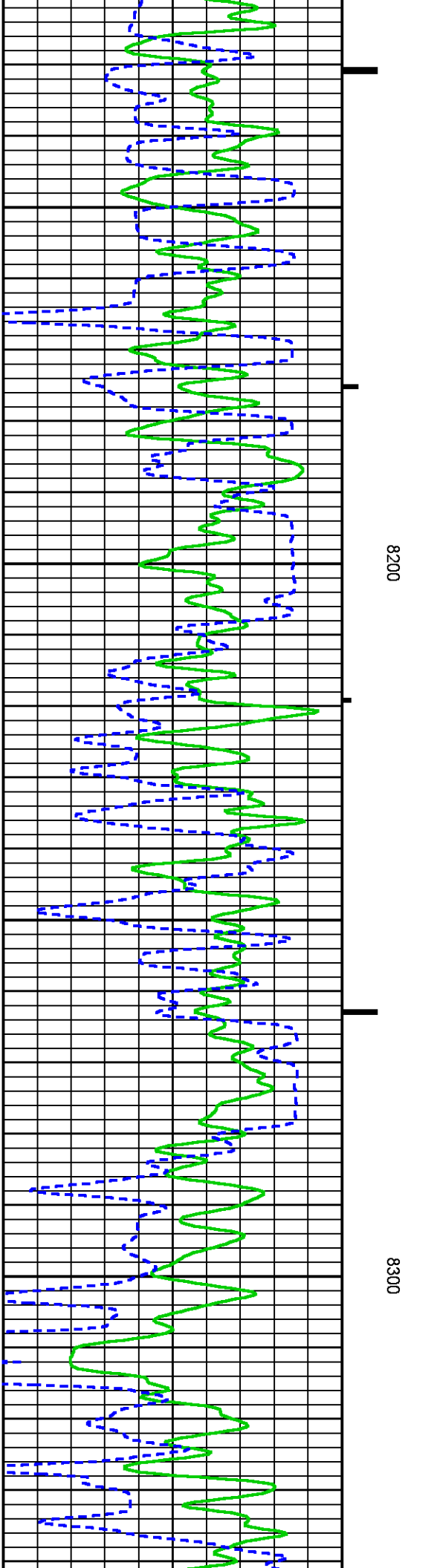
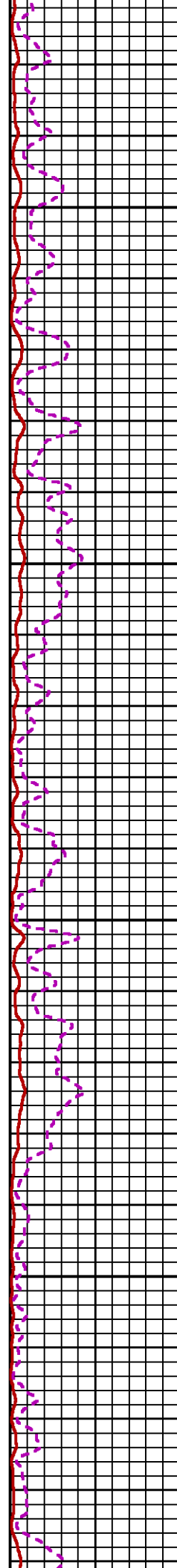
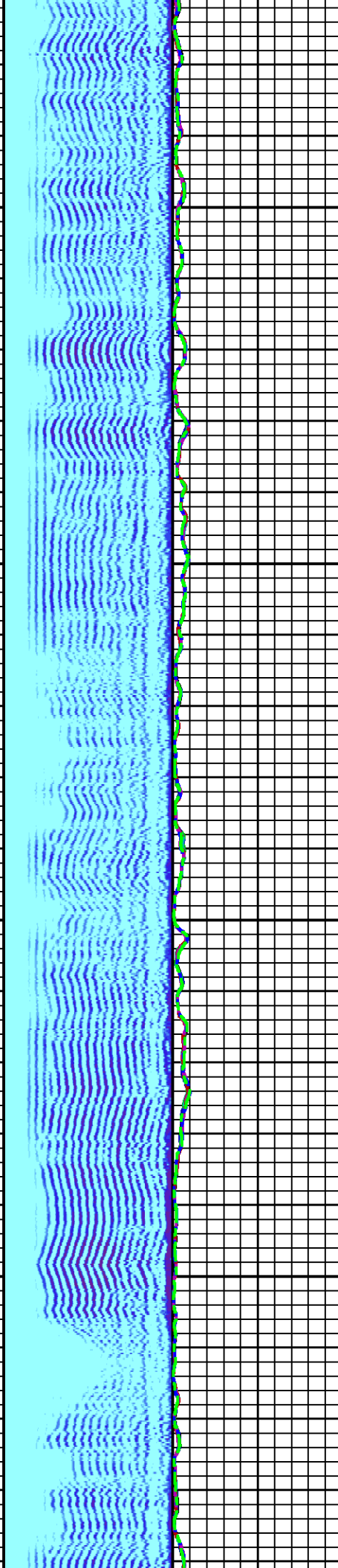
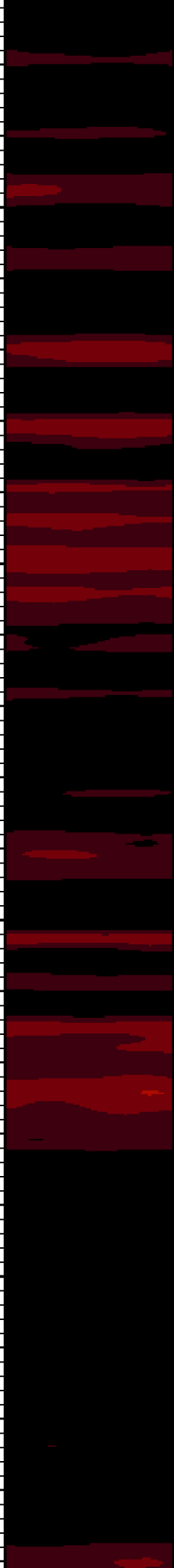
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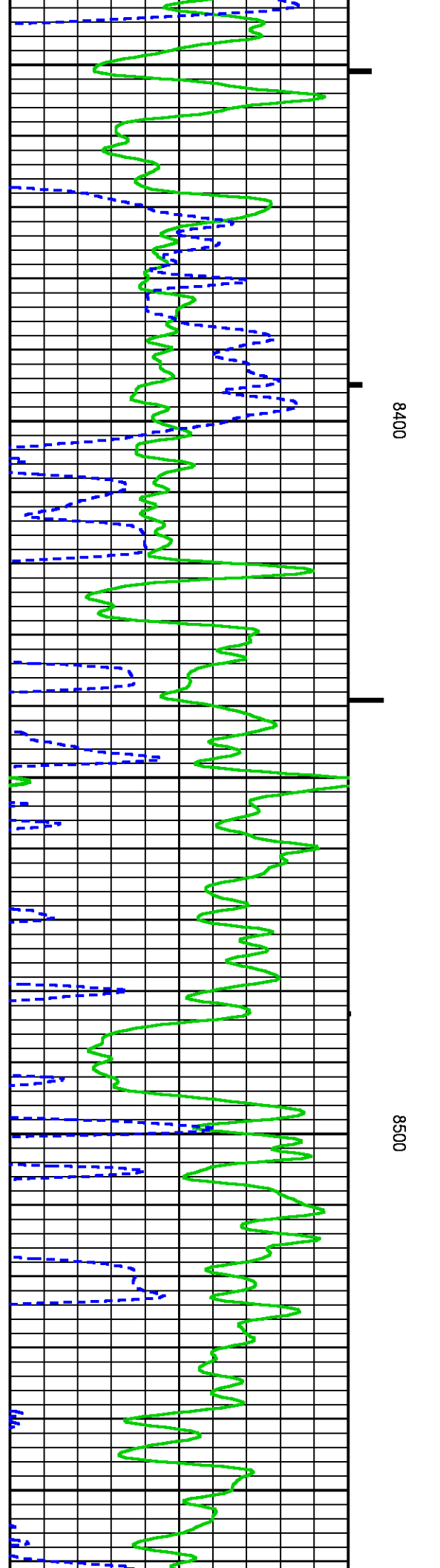
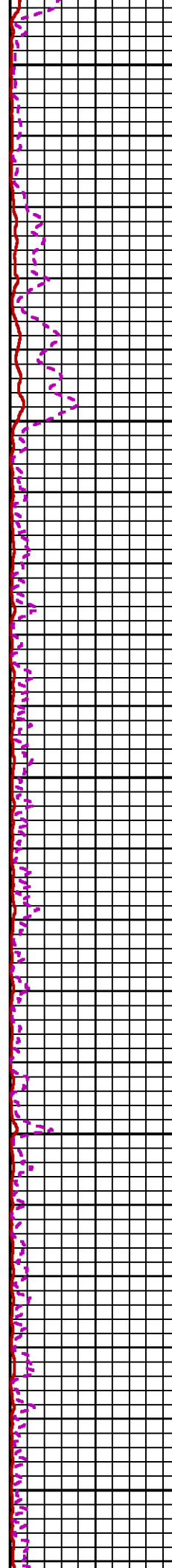
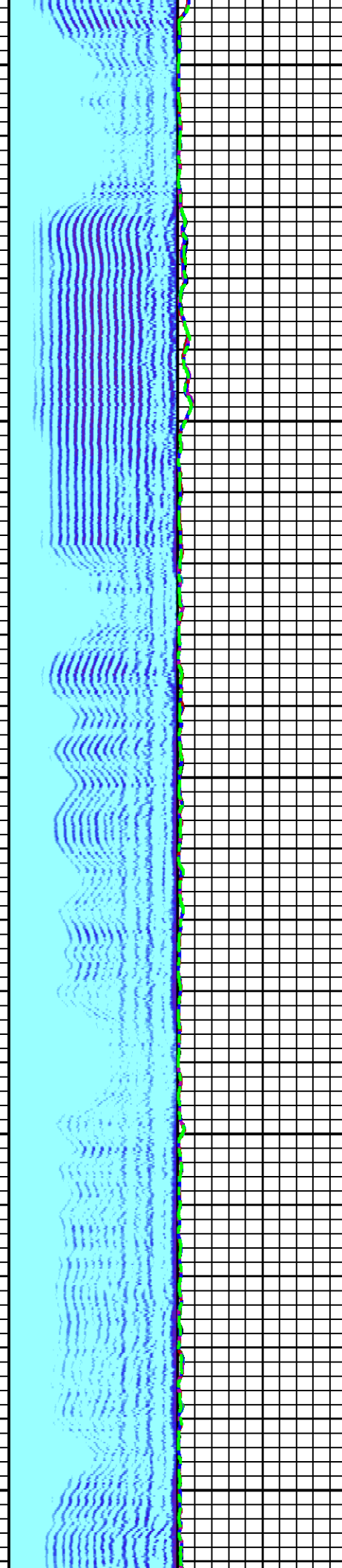
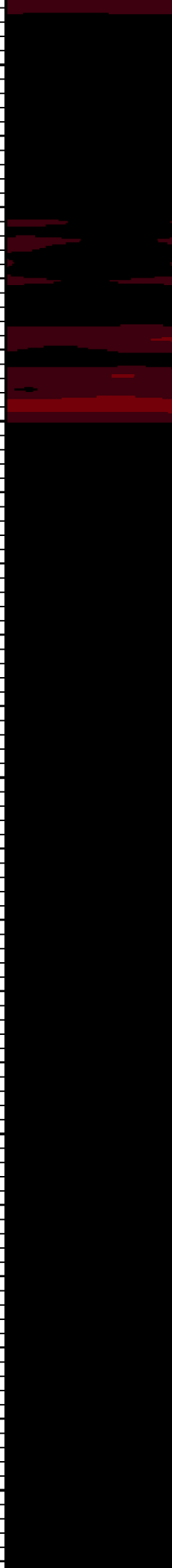


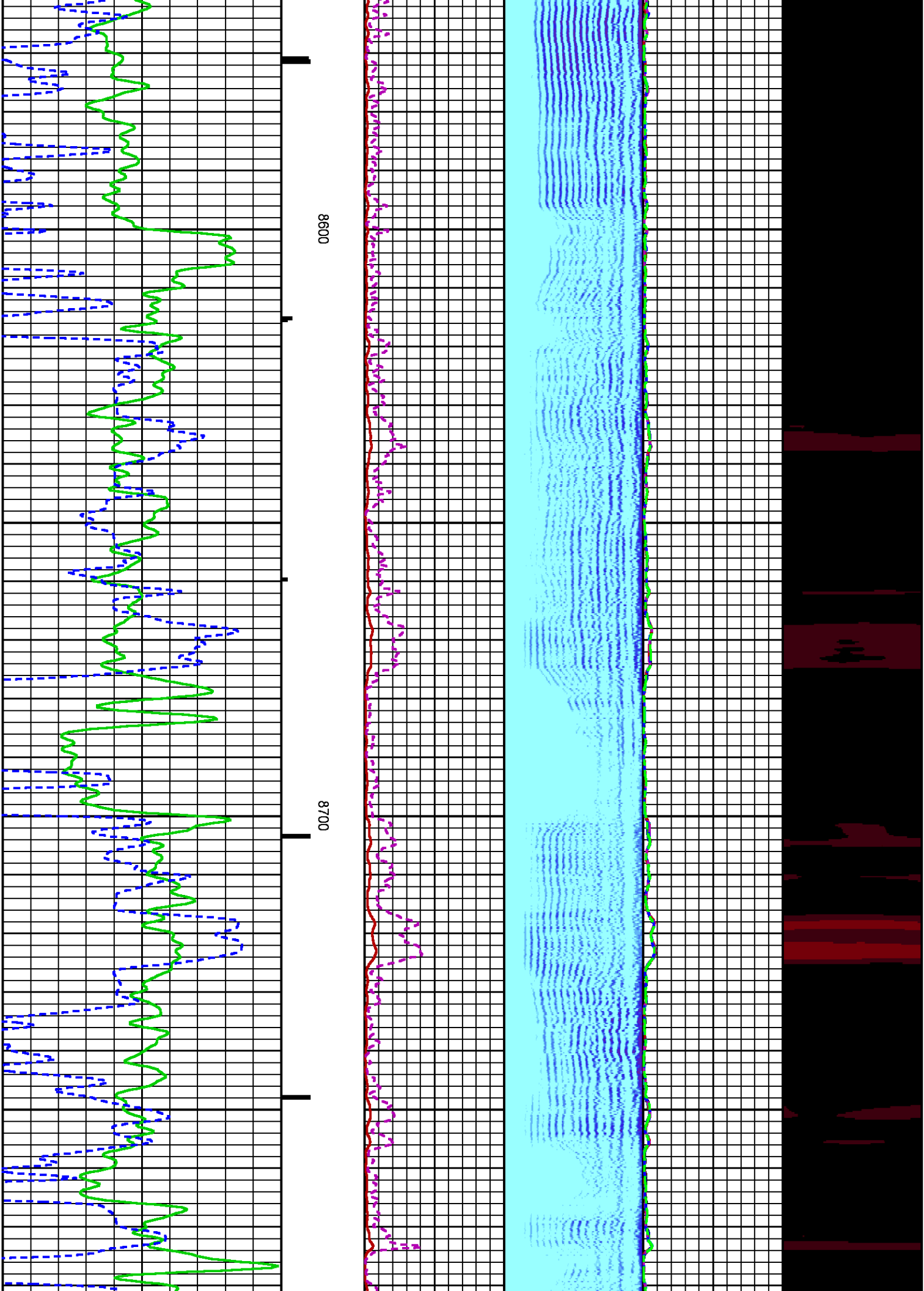


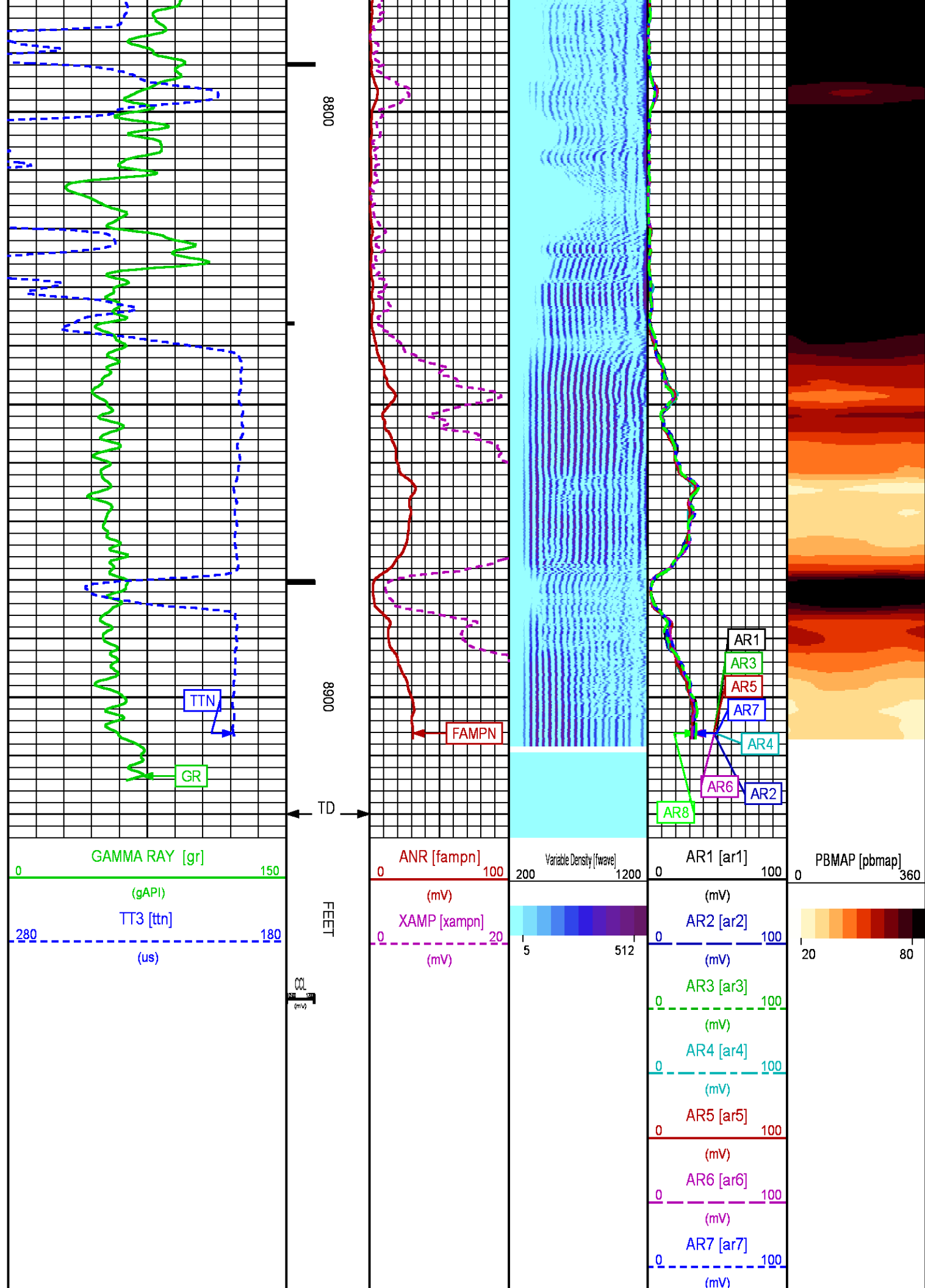


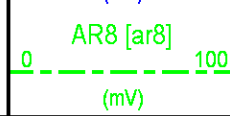












REPEAT LOG 0 PSI

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

Plotted: Fri Jul 4 15:21:08 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /data/CH087671/n012e01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 8570.250 ft BOTTOM DEPTH: 8925.535 ft

SYMMETRIC FILTER				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)
GR	FILTER ()	medium (1)		TOP BOTTOM
AMPLITUDE	FILTER ()	light (2a)		" "
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*)	160	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*)	-64	us	" "
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	" "
	NOISE WINDOW LENGTH	25	us	" "

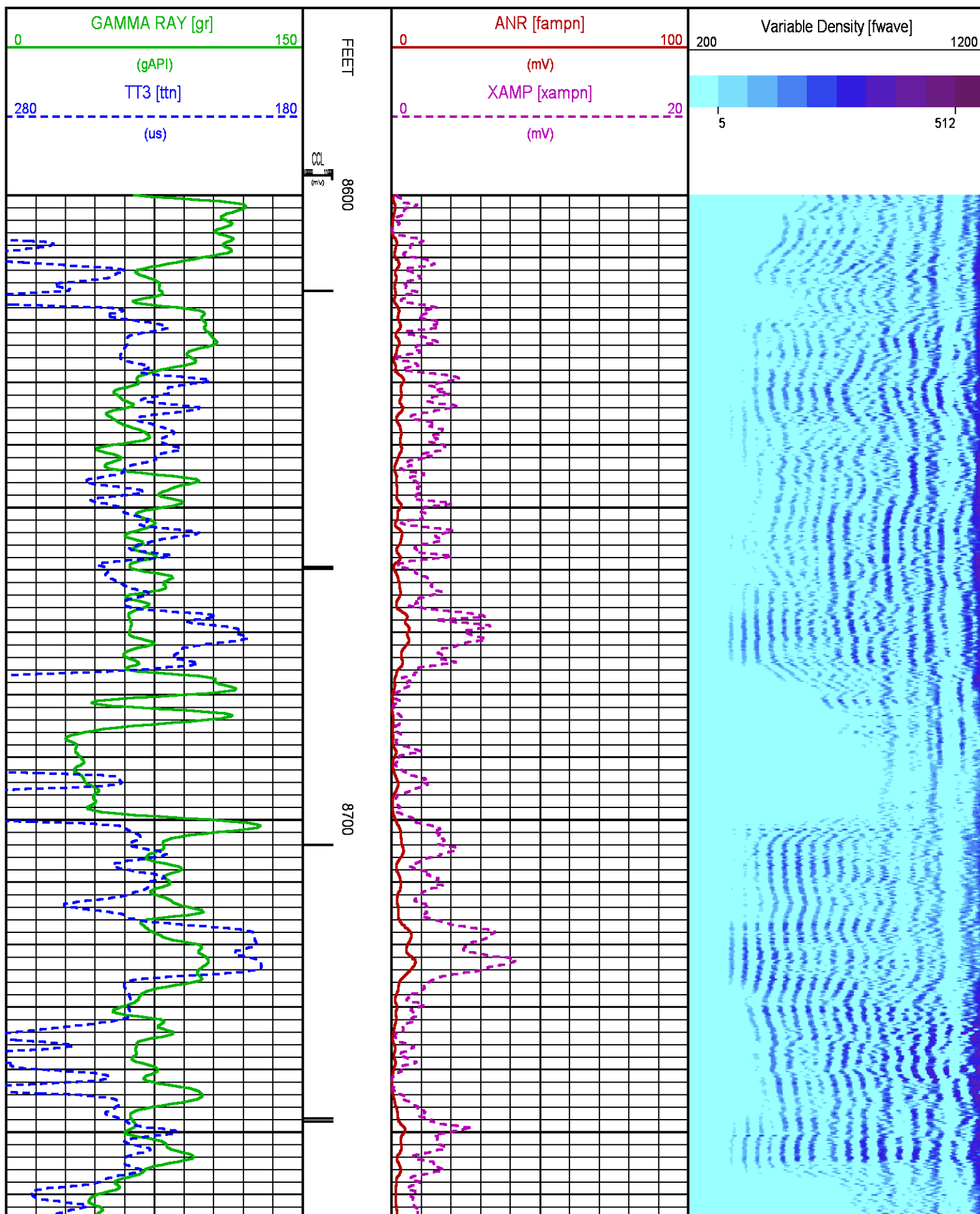
CURVE DESCRIPTION REPORT

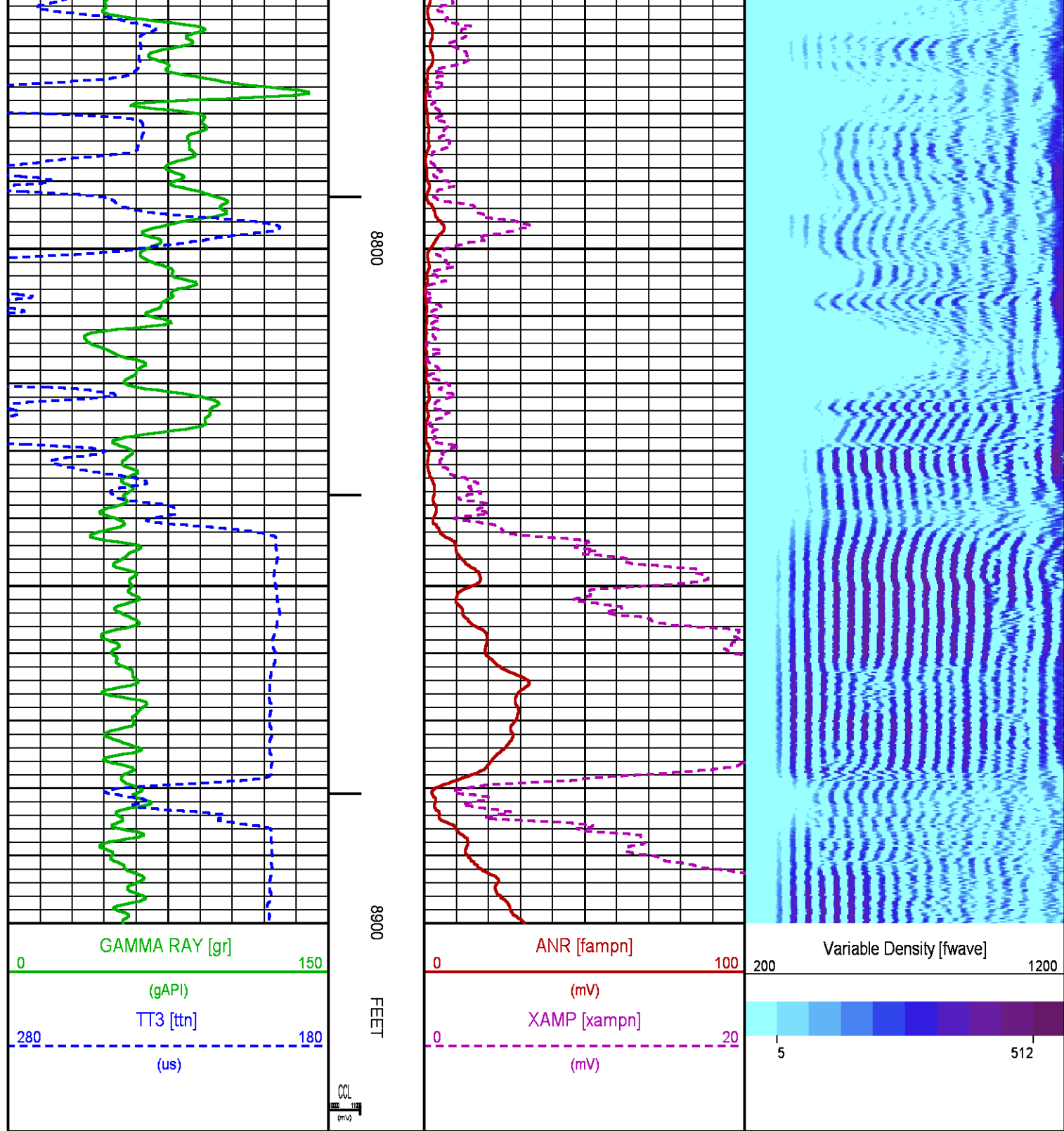
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 1 09:14:25 2014	CASING COLLAR LOCATOR
F1:FAMPN	Jul 1 09:14:25 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 1 09:14:25 2014	FAR WAVE FORM
F1:GR	Jul 1 09:14:25 2014	GAMMA RAY
F1:TTN	Jul 1 09:14:25 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 1 09:14:25 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

CURVE MEASURE POINT OFFSET

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

Plot Interval : 0000 - 0000 Feet
Data File 1 : F1 : HL6670:/dat1a/CH087671/n012e01.xtf
Created On : Jul 1 09:14:25 2014
Company : WPX ENERGY
Well : SAVAGE RWF 443-25
Field : RULISON
File Interval : 8554.25 - 8925.5 Feet
OCT : n012e





CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH087671/n012e.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Tue Jul 1 08:26:22 2014

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)	3.13	2.55	3.40	3.58	3.62	3.37	3.45	2.68	2.39	-3.32	-0.02
AMP FLUID (mV)	333	325	324	326	325	327	327	329	329	464	325
TT (us)	217	217	217	217	217	217	217	217	217	281	217
M FACTOR	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.31

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218495 DATE/TIME PERFORMED: Tue Jul 1 08:36:07 2014 DAYS SINCE CAL: 0

UNIT #: 3880TA HL6670 CABLE #: 6670SM SMALL1

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	0.90	0.77	0.88	0.87	0.87	0.87	0.89	0.85	0.79	1.17	0.00
AMP AIR	-0.55	-0.41	-0.53	-0.56	-0.43	-0.66	-0.64	-0.35	-0.49	-0.58	99.95

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
0.31	0.00	1.00

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 2459XA 10218504 DATE/TIME PERFORMED: Sat Jun 7 11:54:50 2014

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	101.24	337.51	236.3	0.783	79.28	264.28	185

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 2459XA 10218504 DATE/TIME PERFORMED: Sat Jun 7 11:56:22 2014

UNIT #: 3880TA HL6670 VERI JIG #: 4702NK DA-041

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	101.87	335.24	0.783	79.76	262.50	182.74
						175.00 195.00

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH087671/CBL_FINAL-tdg

CABLEHEAD
Diameter : 2.75"
Length : 2.25'
Weight : 10 lbs
Series : CABL234

23.02'

Mnemonic : CBLH

RADIAL BOND TOOL

Diameter : 2.75"
Length : 11.17'
Weight : 126 lbs
Series : 1426XA
Mnemonic : RAL
Measure Point: 4.21': NEAR RCVR
Measure Point: 3.25': FAR RCVR

NEAR RCVR — 13.81'

FAR RCVR — 12.85'

RAL NEUTRON/GR/CCL/CHV DETECTOR

Diameter : 2.75"
Length : 9.42'
Weight : 106 lbs
Series : 2459XA
Mnemonic : RAL
Measure Point: 8.46': CCL
Measure Point: 6.60': GR
Measure Point: 1.21': NEU

CCL — 8.65'

GR — 6.79'

NEU — 1.40'

BULL PLUG 2 3/4

0.00'

TOTAL LENGTH: 23.02'
TOTAL WEIGHT: 258 lbs
MAX DIAMETER: 0'4.00'



COMPANY	WPX ENERGY	
WELL	SAVAGE RWF 443-25	
FIELD	RULISON	
COUNTY	GARFIELD	STATE CO

FILE NO:	US087671
API NO:	05045220010000

LOCATION:
SHL: 1185' FSL 1382' FEL
BHL: 2122' FSL 606' FEL
SEC 25 TWP 6S RGE 94W

ELEVATIONS:
KB 6260 FT
DF
GL 6234 FT
DATE 01-Jul-2014

S25 T6S R94W
PAD: RWF 43-25
NABORS 577