



FILE NO: CH096028	COMPANY WELL FIELD COUNTY	WPX ENERGY YOUBERG RU 344-7 RULISON GARFIELD	STATE CO
API NO: 0504522530000			

Ver. 4.01 7 7S 93W RU 44-7 PAD NABORS 576	LOCATION: SHL: 1141' FSL & 1183' FEL BHL: 664' FSL & 666' FEL SEC 7 TWP 7S RGE 93W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB ELEVATION 26 FT 7917 FT ABOVE P.D.	ELEVATIONS: KB 7943 FT DF GL 7917 FT
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DATE	22-Apr-2015
RUN	1
TRIP	1
SERVICE ORDER	US096028
DEPTH DRILLER	9940 FT
DEPTH LOGGER	9907 FT
BOTTOM LOGGED INTERVAL	9897 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	7:30
TIME FINISHED	11:30
OPERATOR RIG TIME	4 HOURS
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	100 F/MN
MAX. RECORDED TEMP.	252 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	HL-6670
LOCATION	GRAND JCT.
RECORDED BY	NEWELL
WITNESSED BY	KENT HEIL

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	26 FT	1304 FT
8.75 IN	1304 FT	9940 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			26 FT	1304 FT
4.5 IN	11.6 LB/F	P-110	26 FT	9940 FT

REMARKS

RUN 1 TRIP 1: All data on this log is shifted using the CCL curve to put the wellhead (top CCL mark) on depth with ground level elevation at the client's request.

The amount of linear shift is -3 feet.

Logged with zero PSI at wellhead.

BHT = 252 degF
SJ = 6466' - 6489'

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CCL	112234	12151057	CEMENT TOP

1	1	CBL	1426XA	10154957	CENTRALIZED
1	1	GR/CCL	1355XA	10580209	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: 6

Plotted: Wed Apr 22 13:38:50 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH096028/n012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 30.250 ft BOTTOM DEPTH: 9934.250 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*)	186	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	179	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	Apr 22 08:52:16 2015	CASING COLLAR LOCATOR
F1:FAMPN	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Apr 22 08:52:16 2015	FAR WAVE FORM
F1:GR	Apr 22 08:52:16 2015	GAMMA RAY
F1:TTN	Apr 22 08:52:16 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

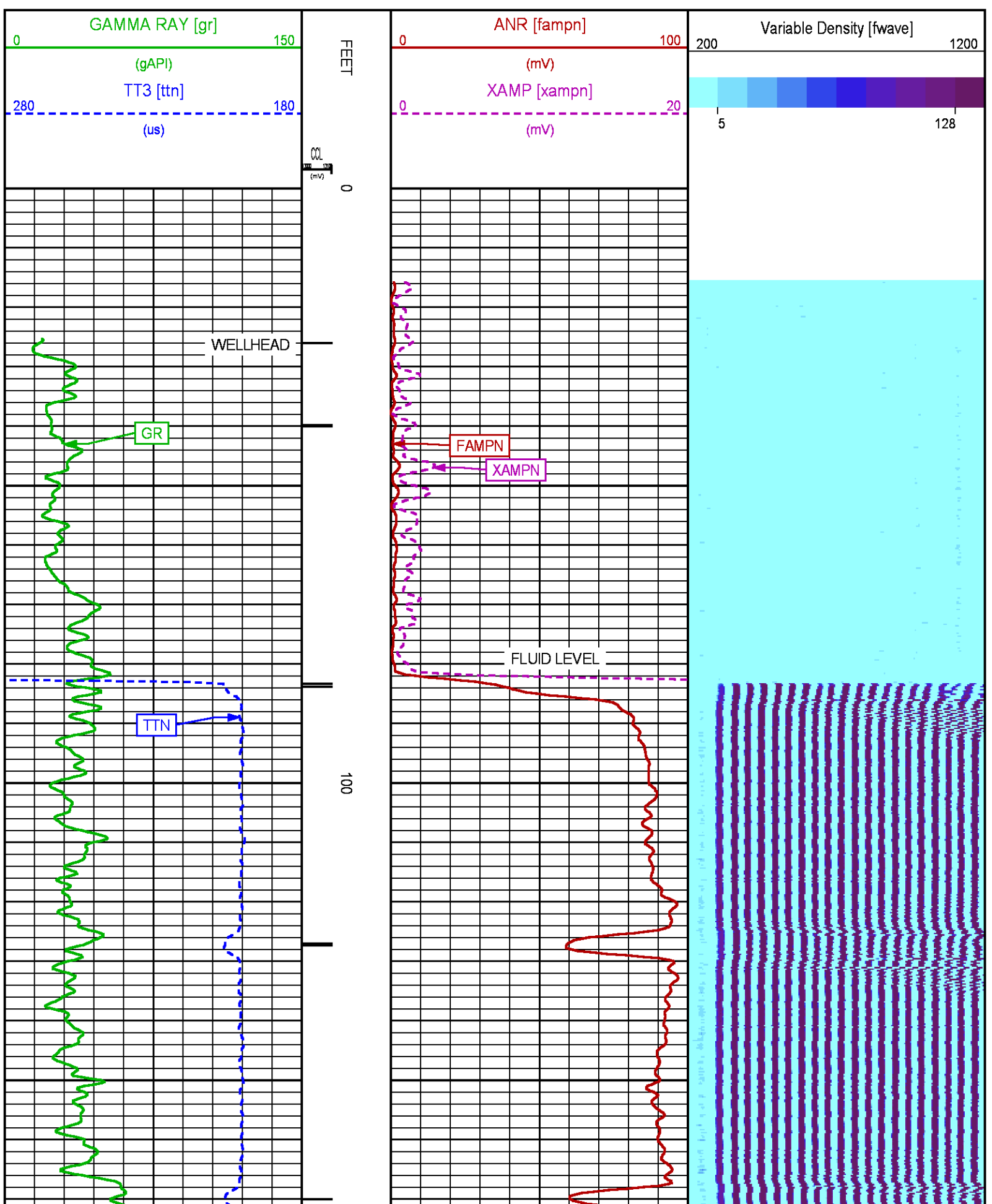
CURVE MEASURE POINT OFFSET

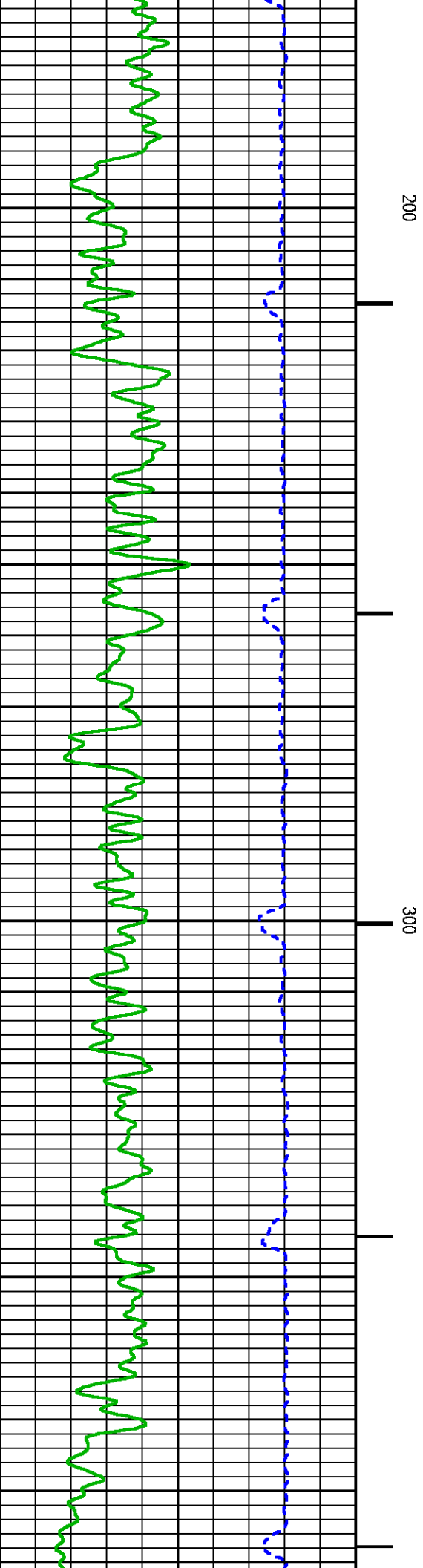
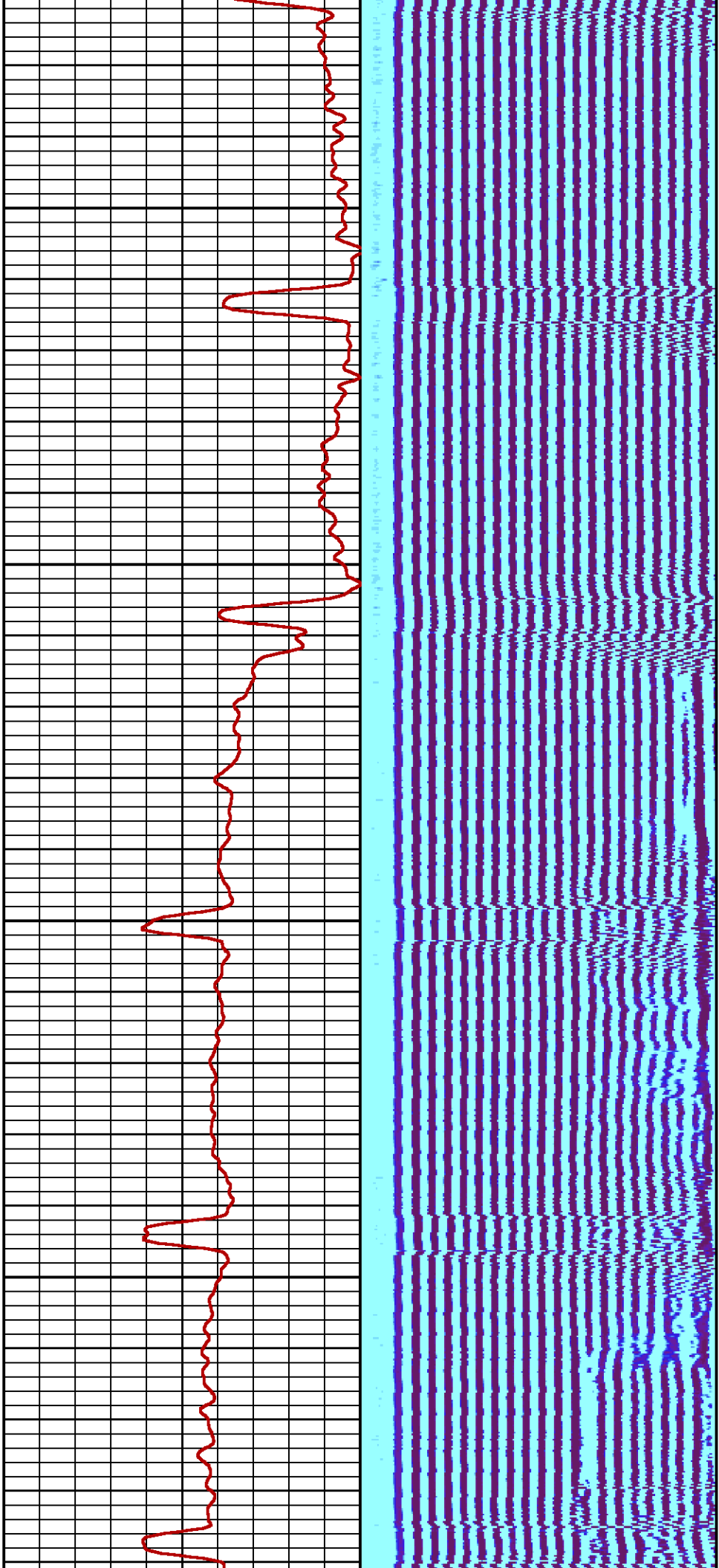
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

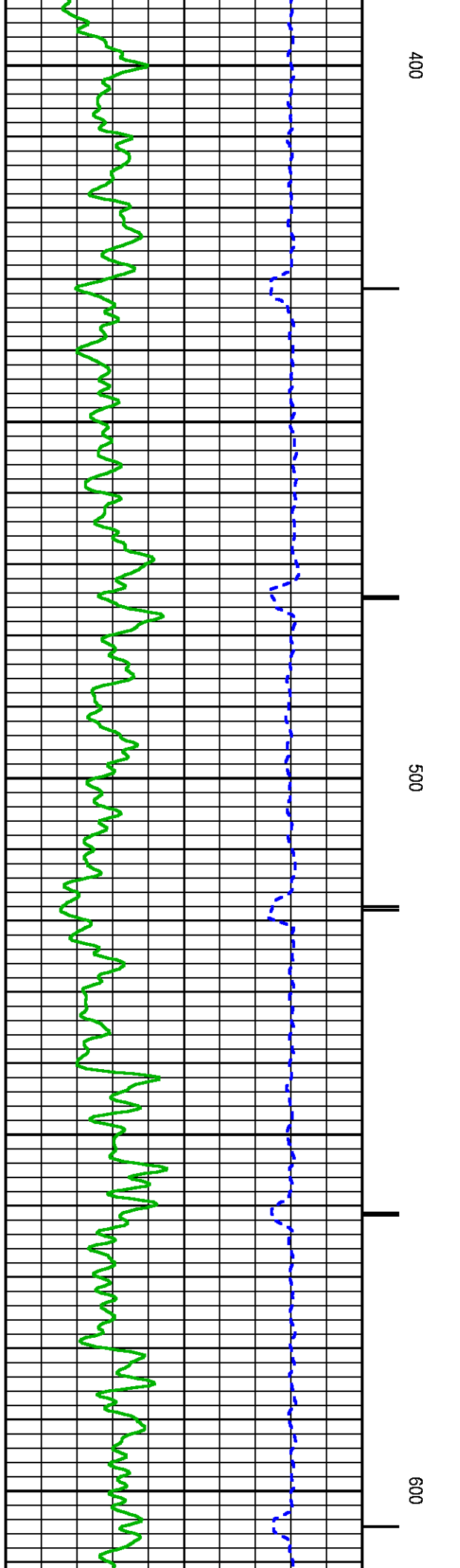
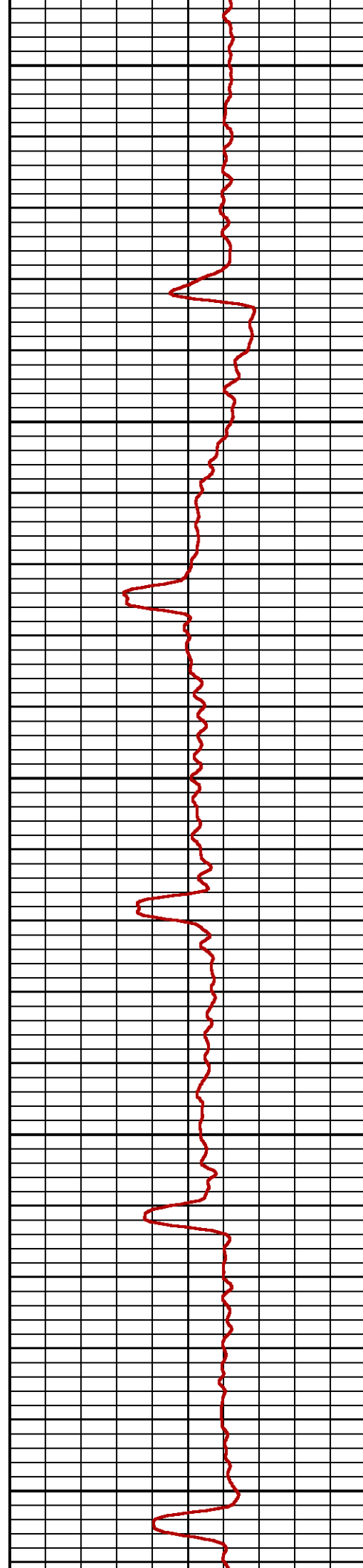
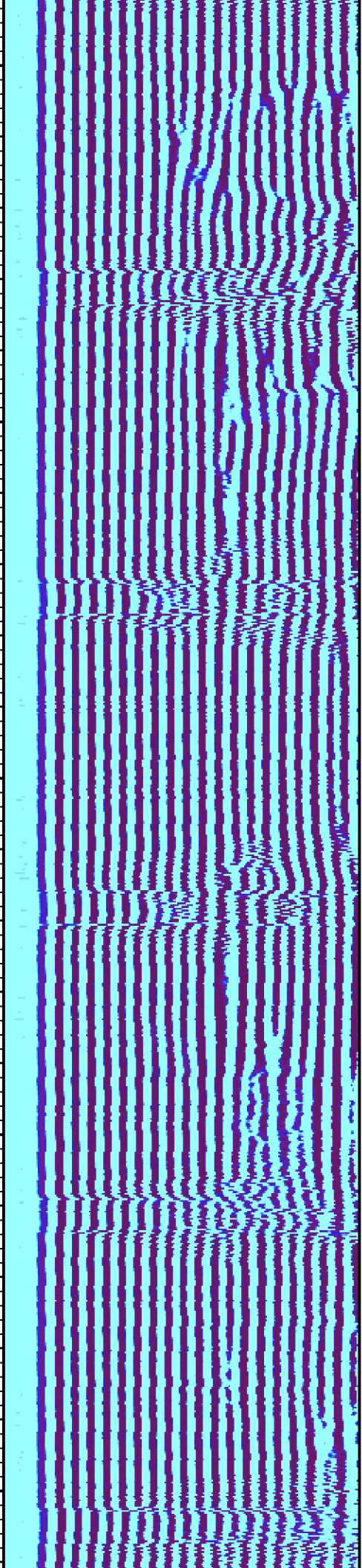
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 Plot Interval : 0 - 9912 Feet

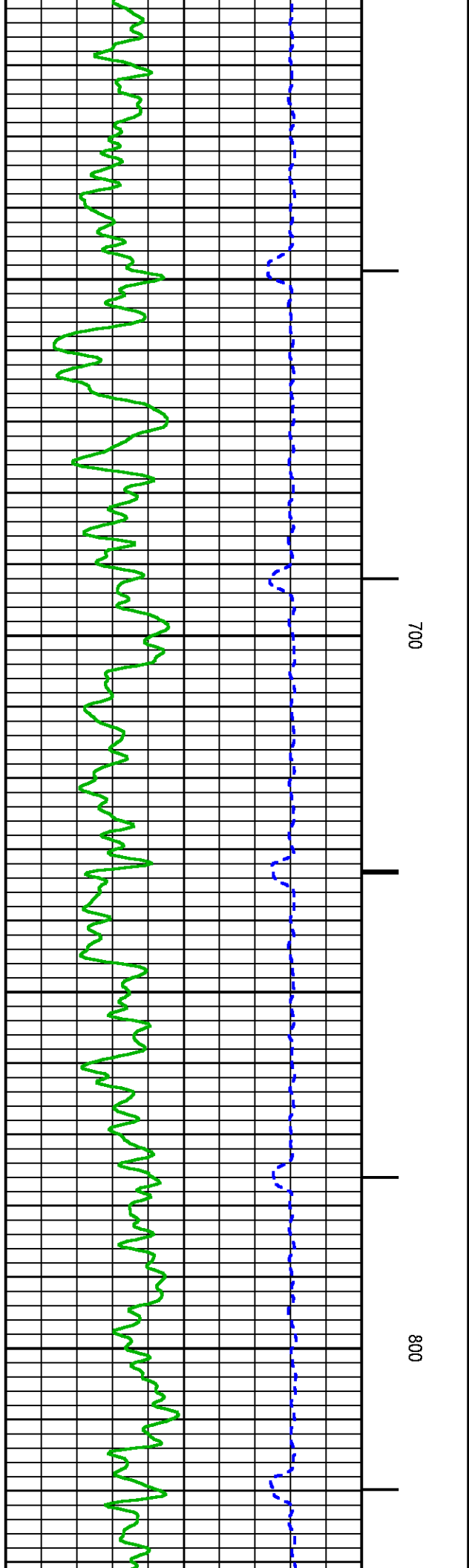
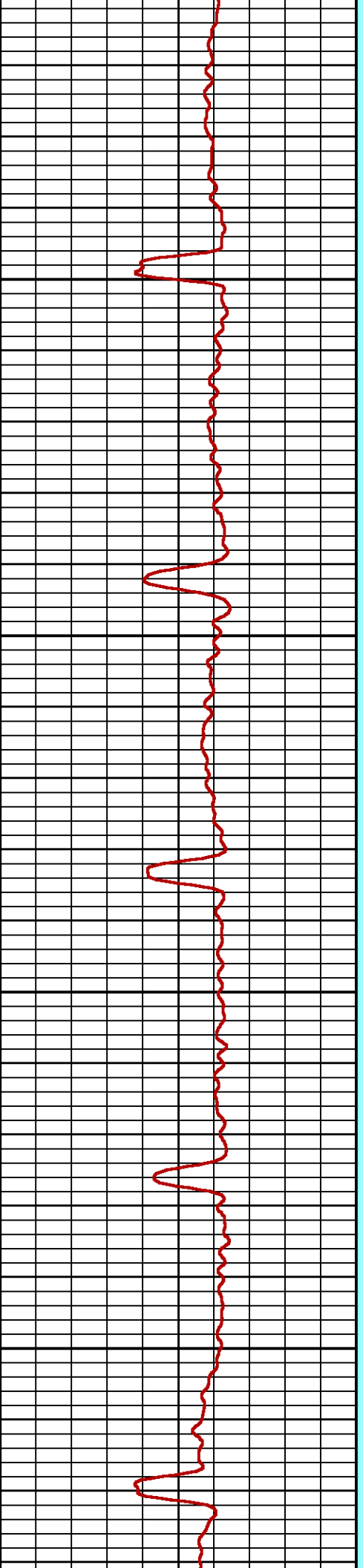
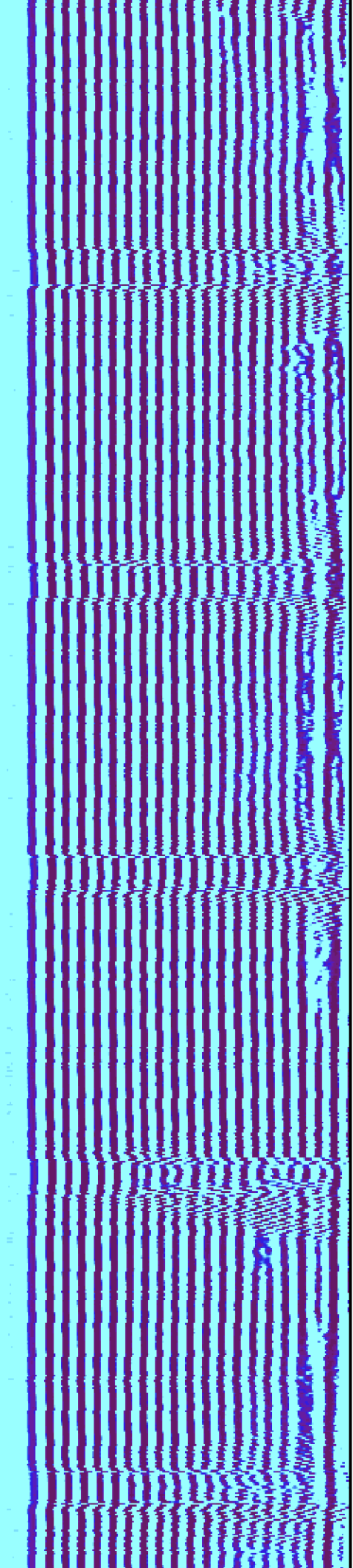
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 Created On : Apr 22 08:52:16 2015

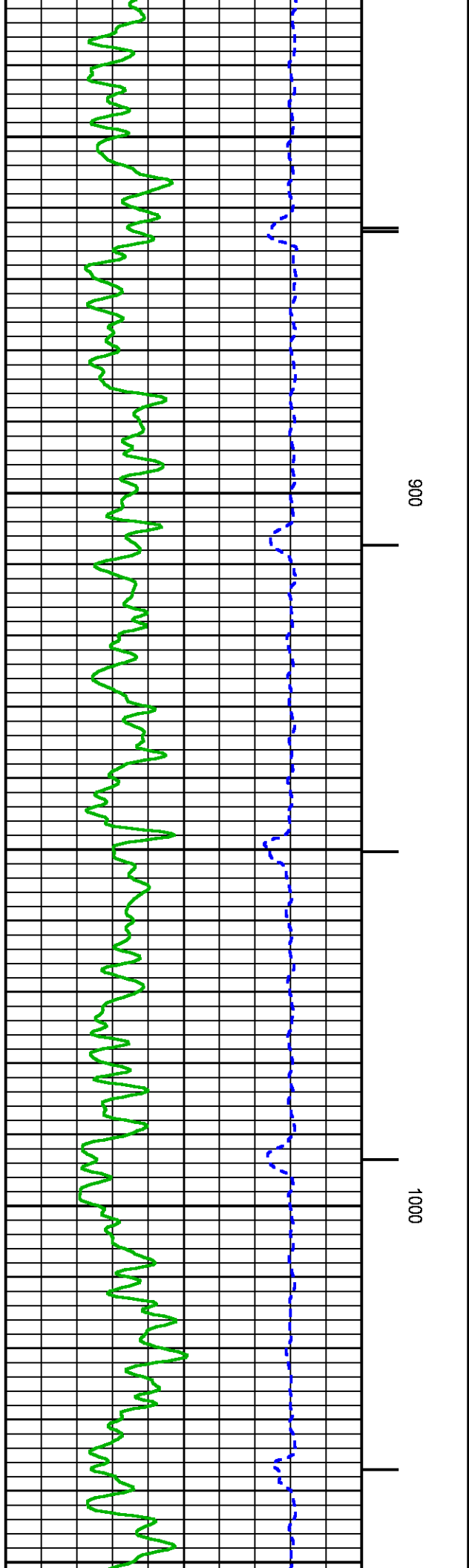
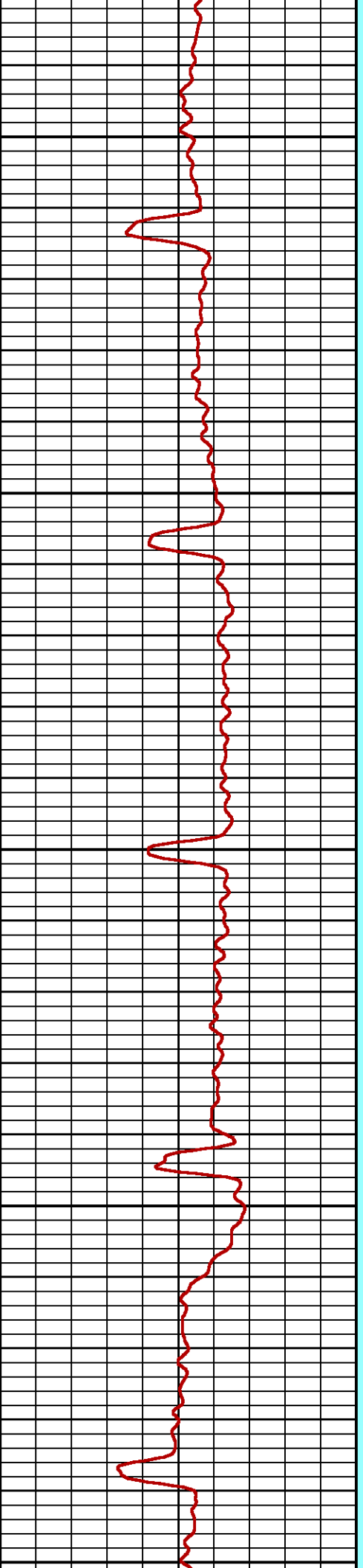
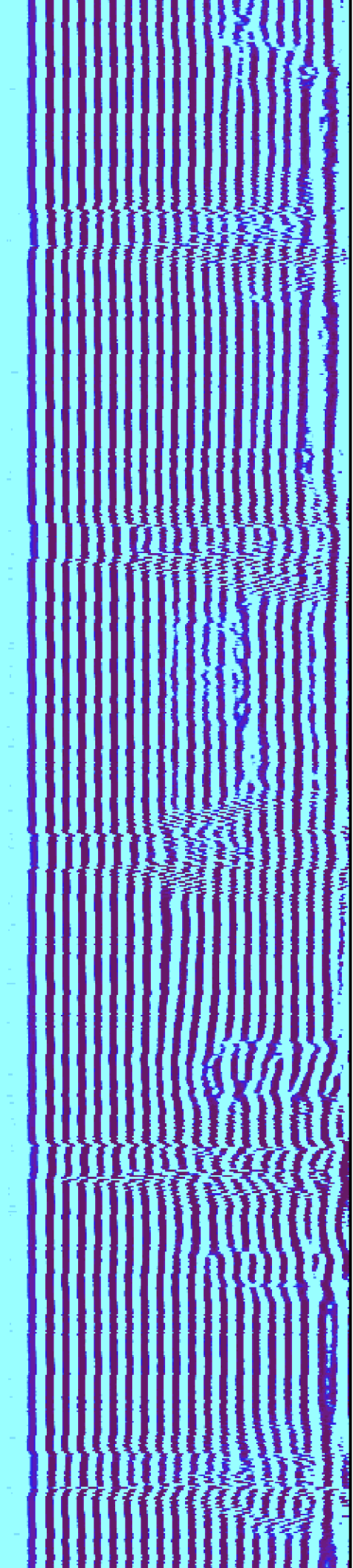
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Company : WPX ENERGY
Well : YUBERG RU 344-7
Field : RULISON
File Interval : 14.5 - 9930 Feet
OCT : n012g

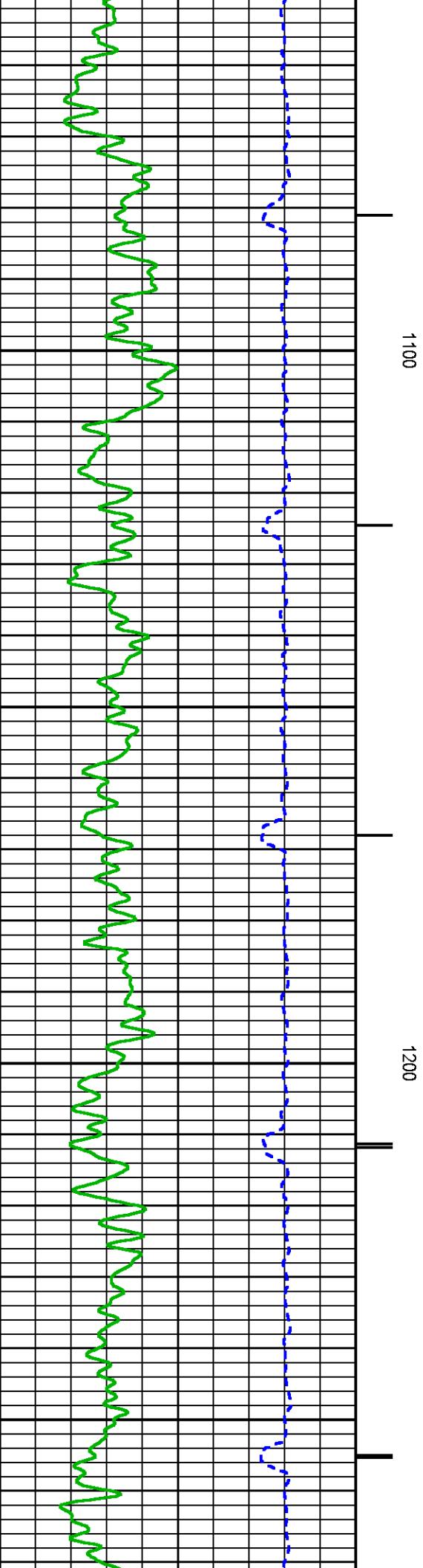
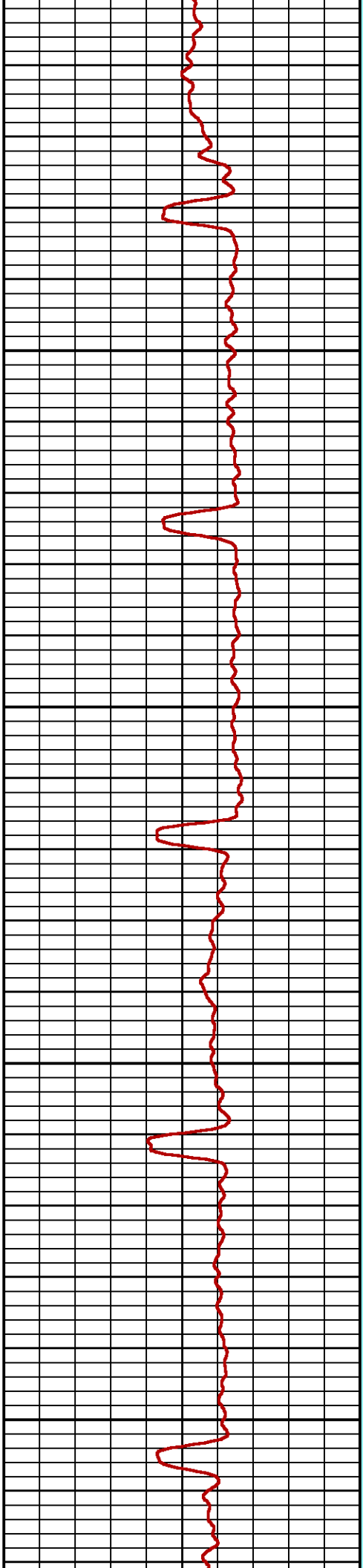
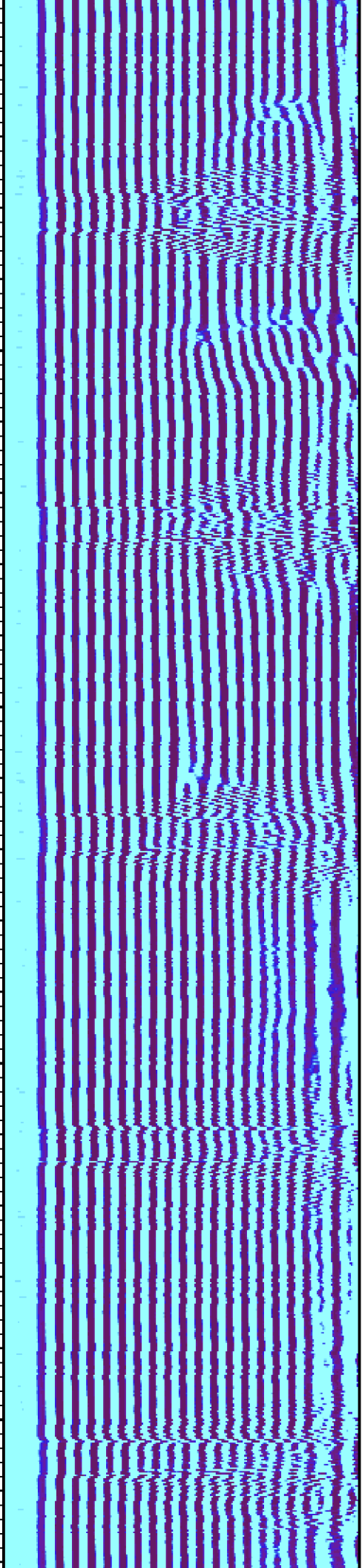


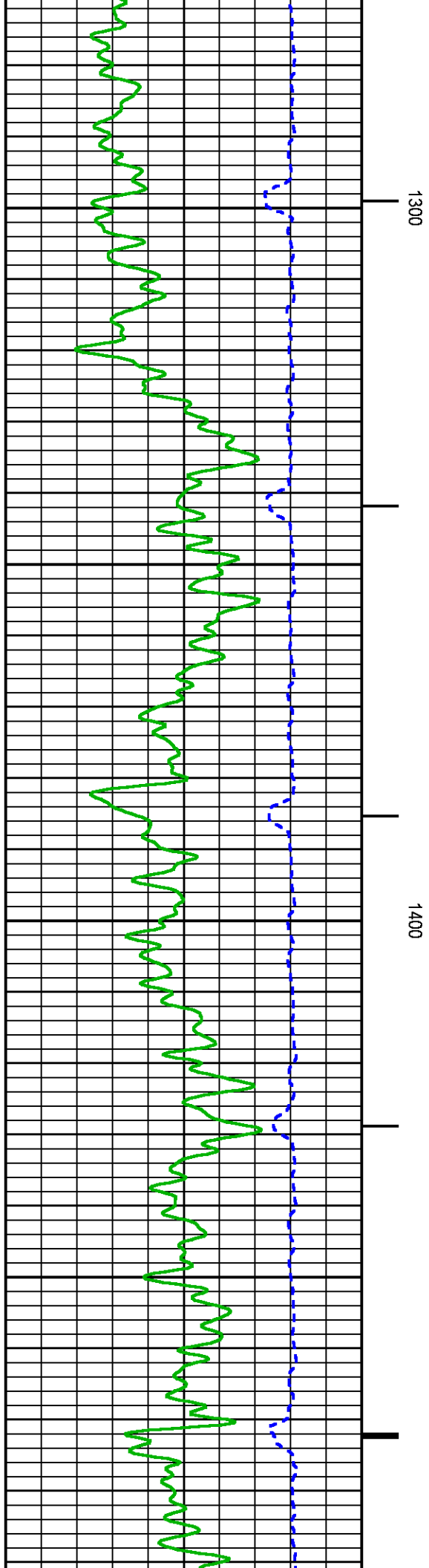
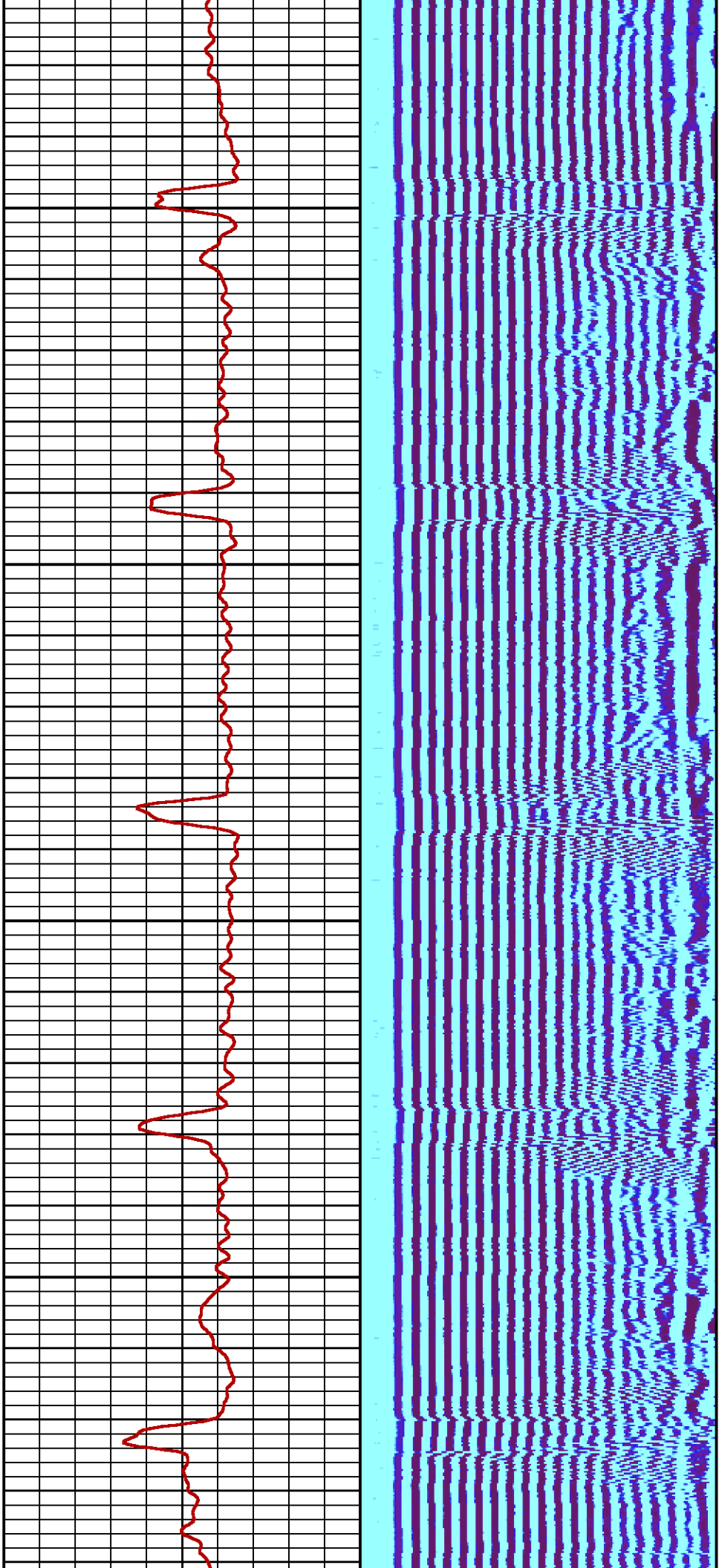


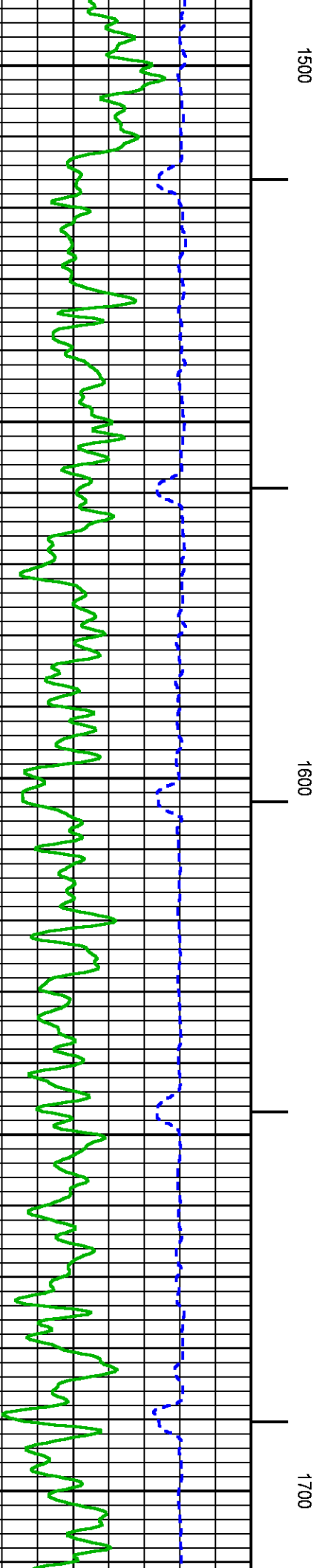
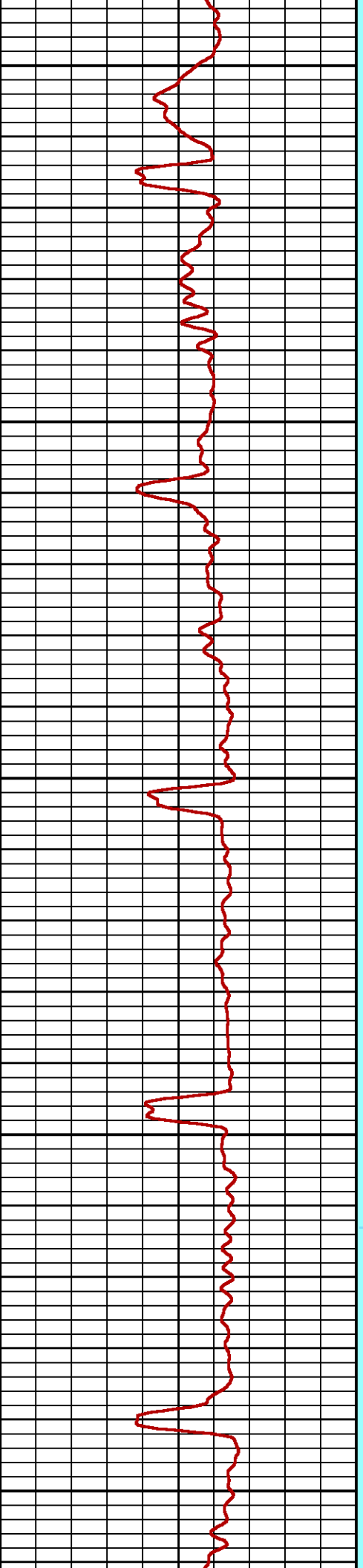
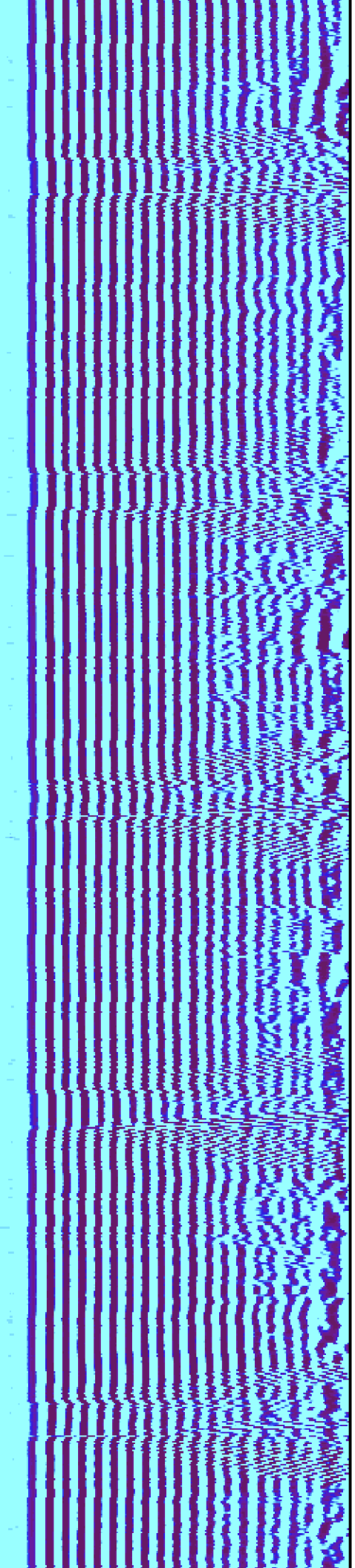


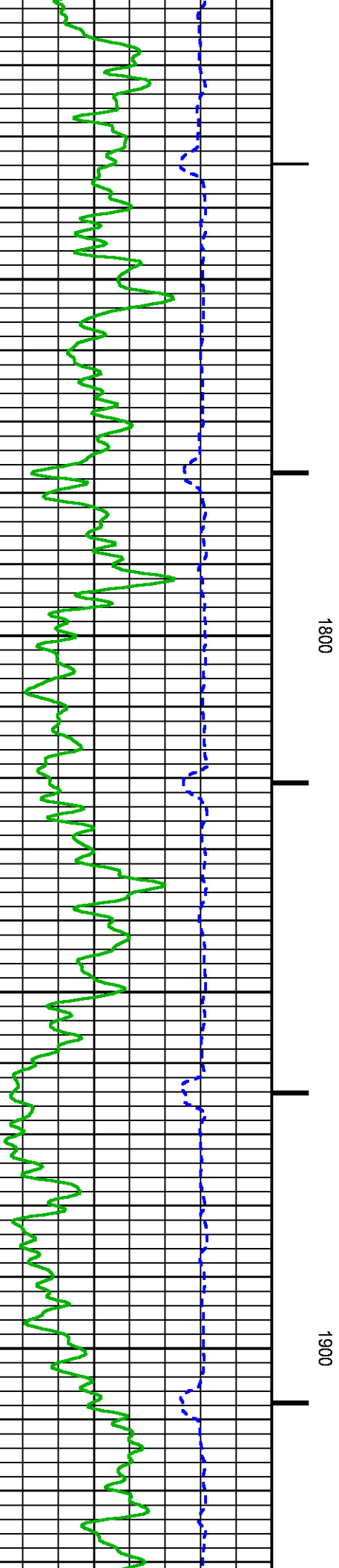
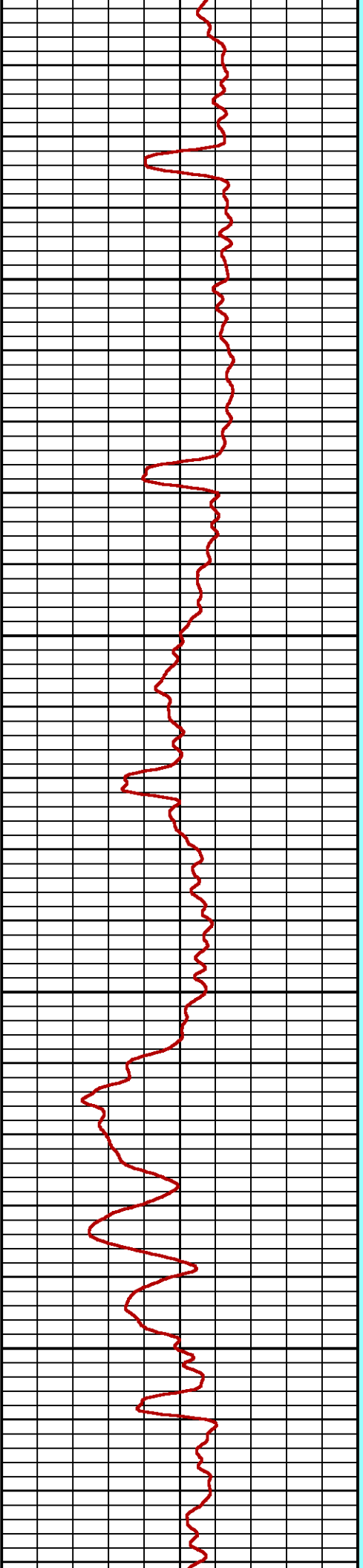
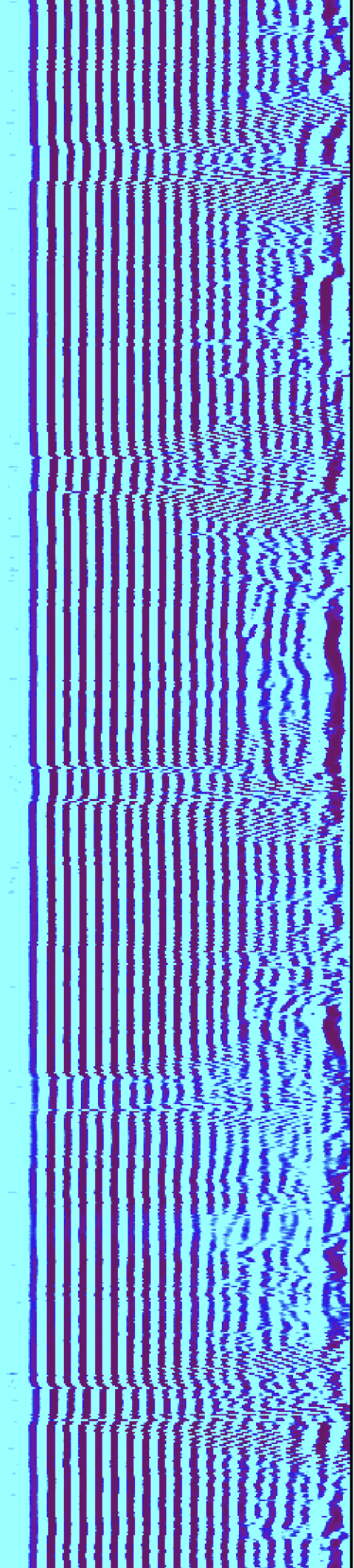


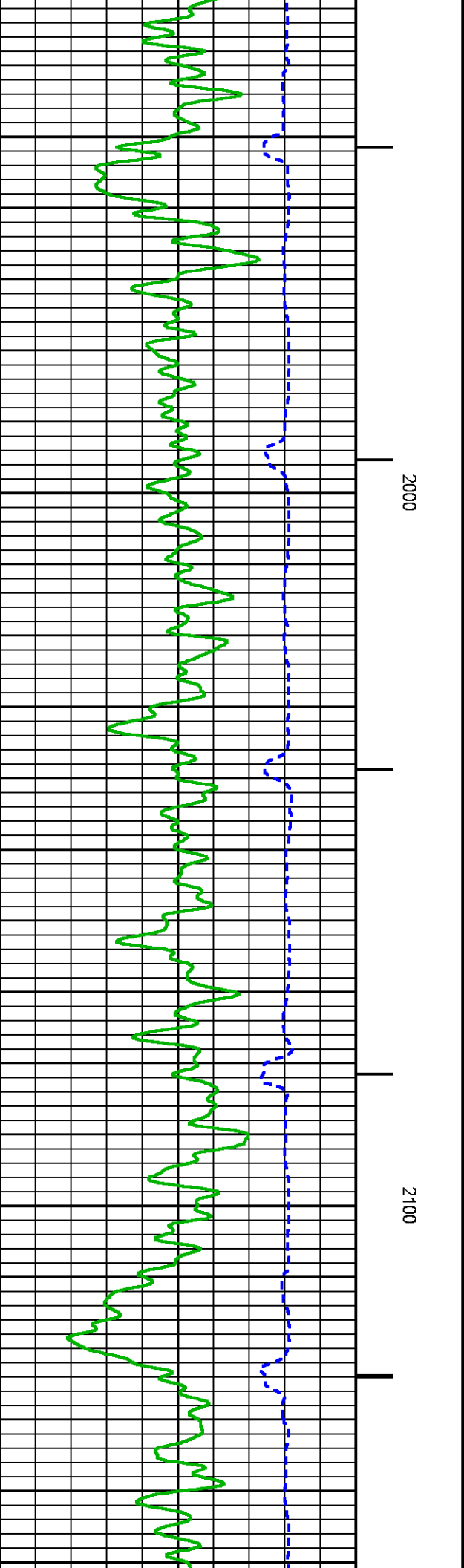
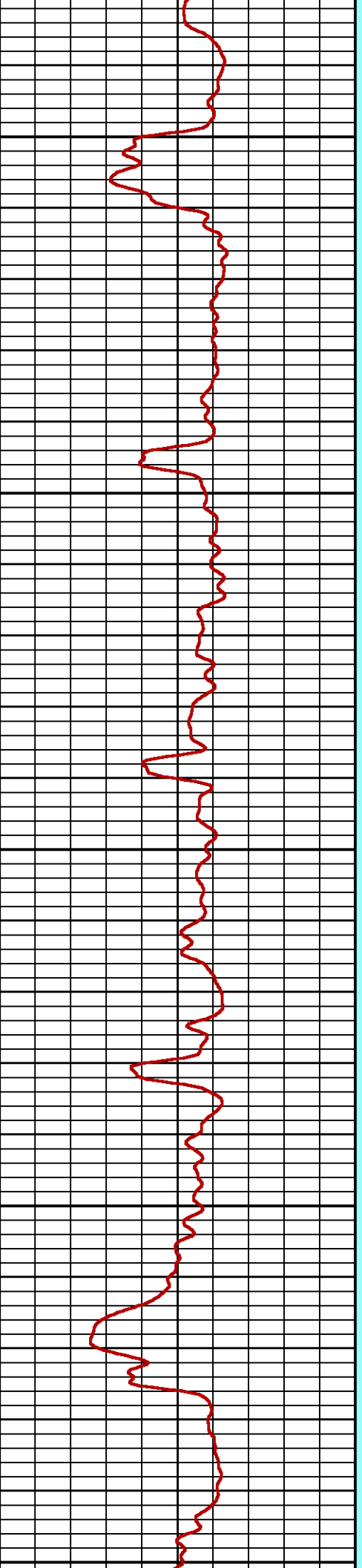
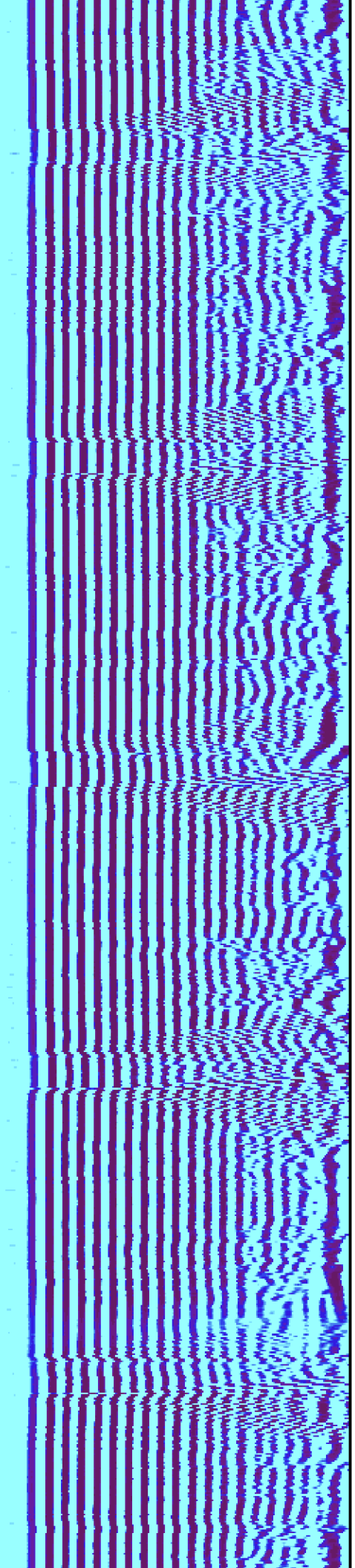


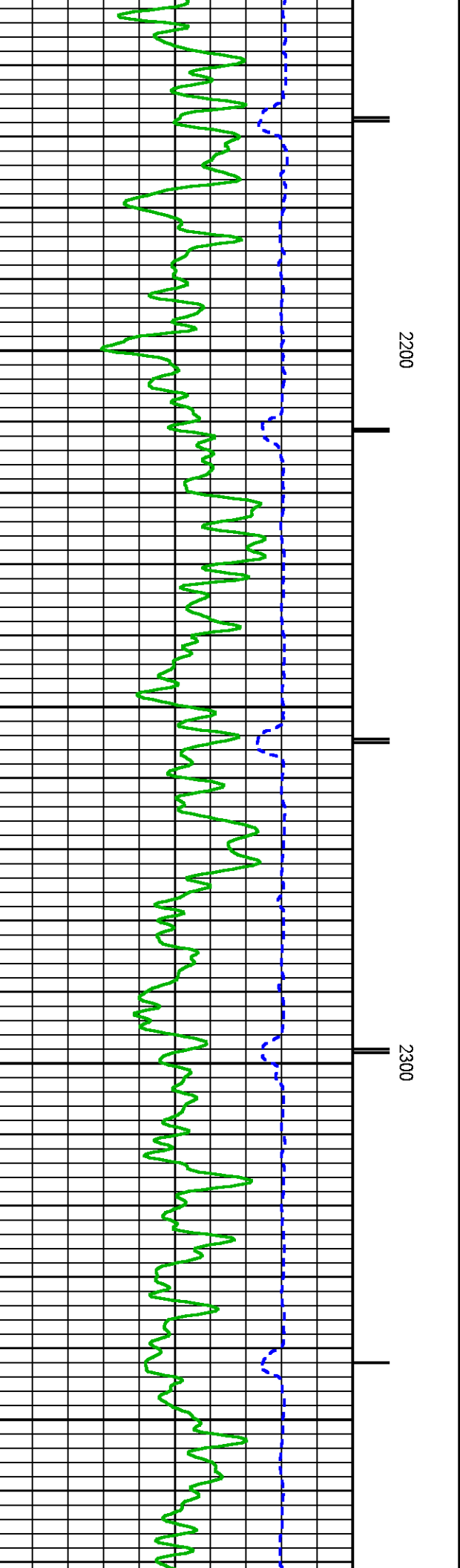
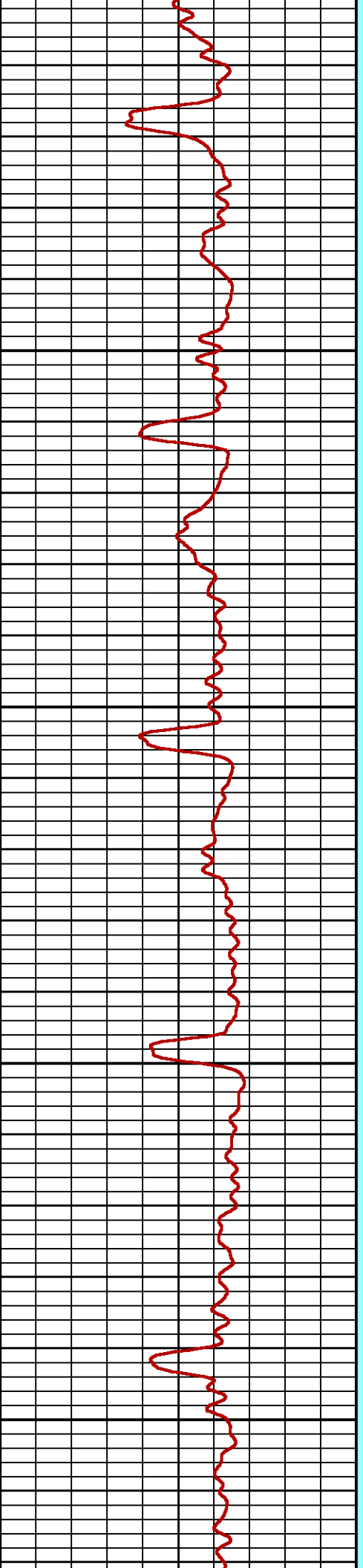
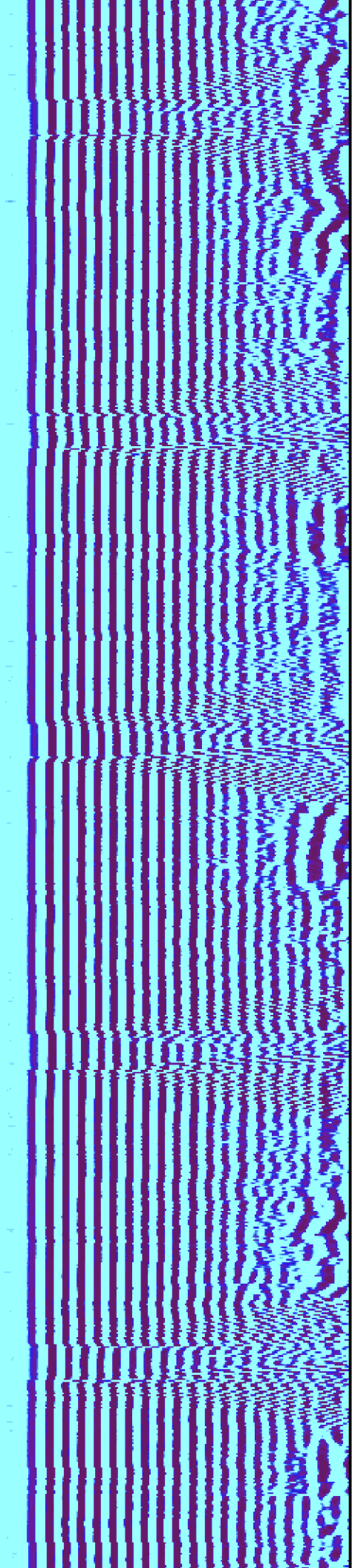


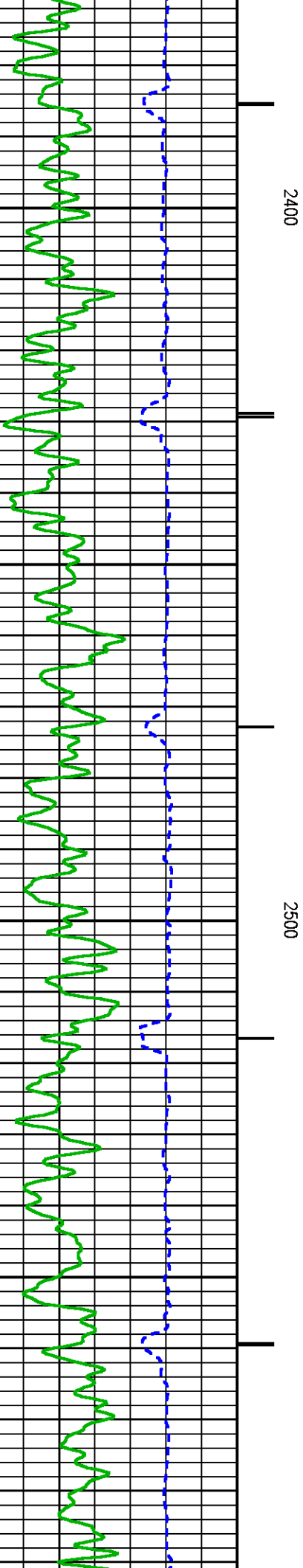
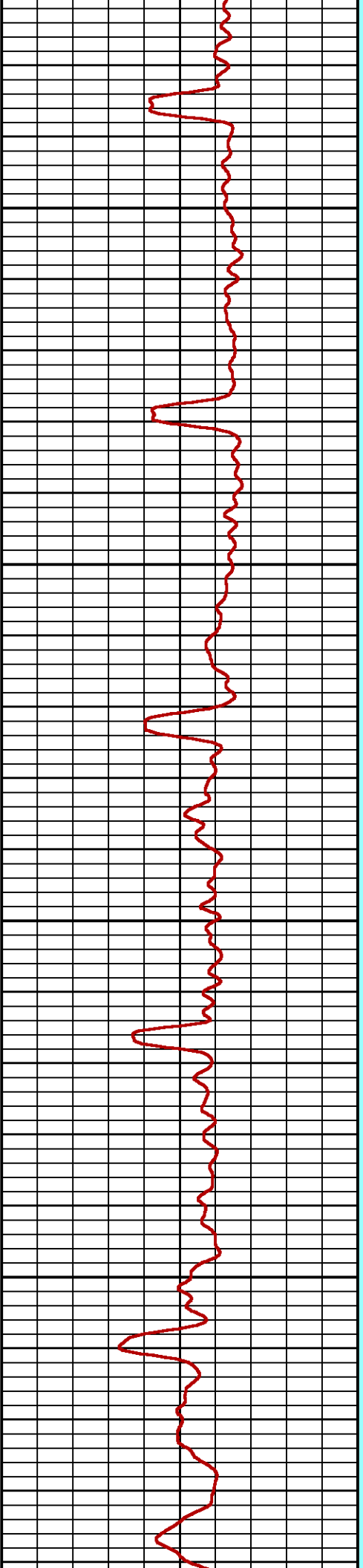
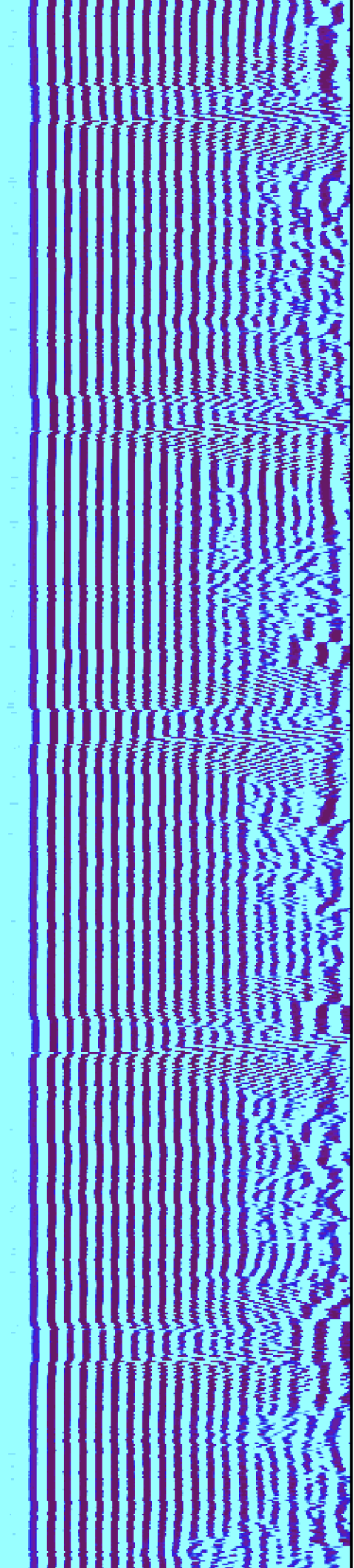


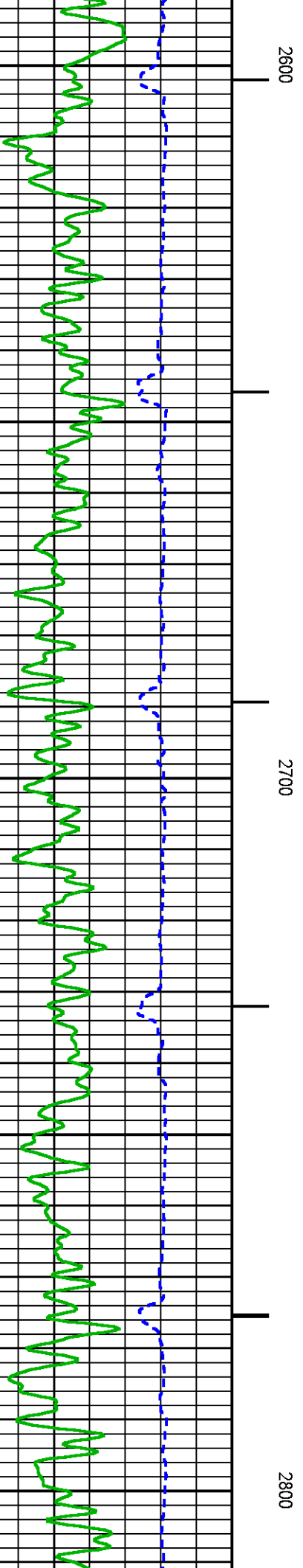
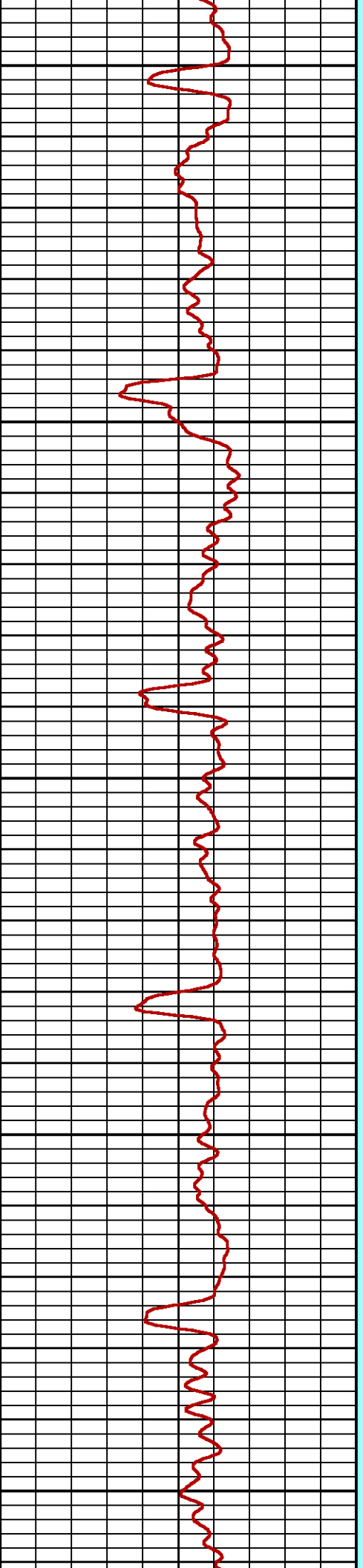
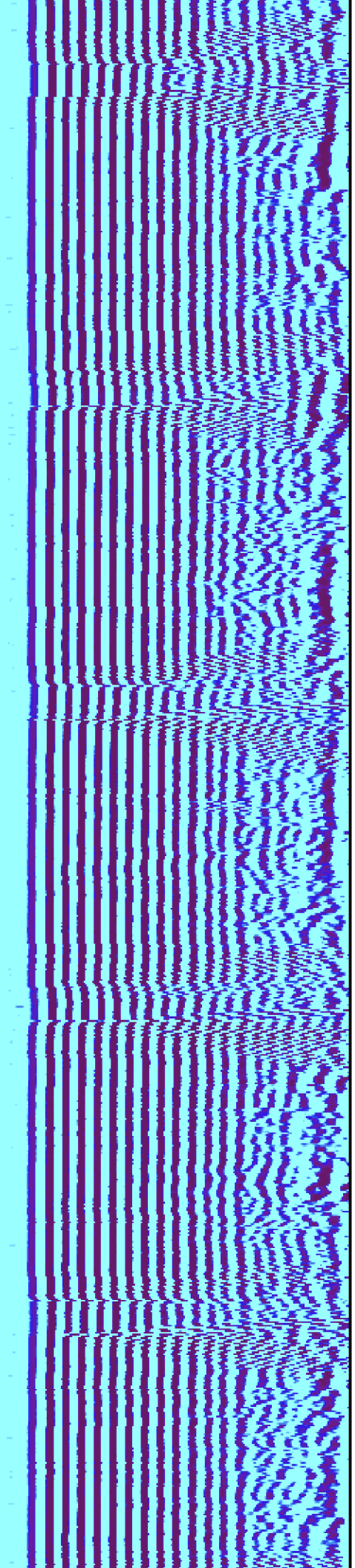


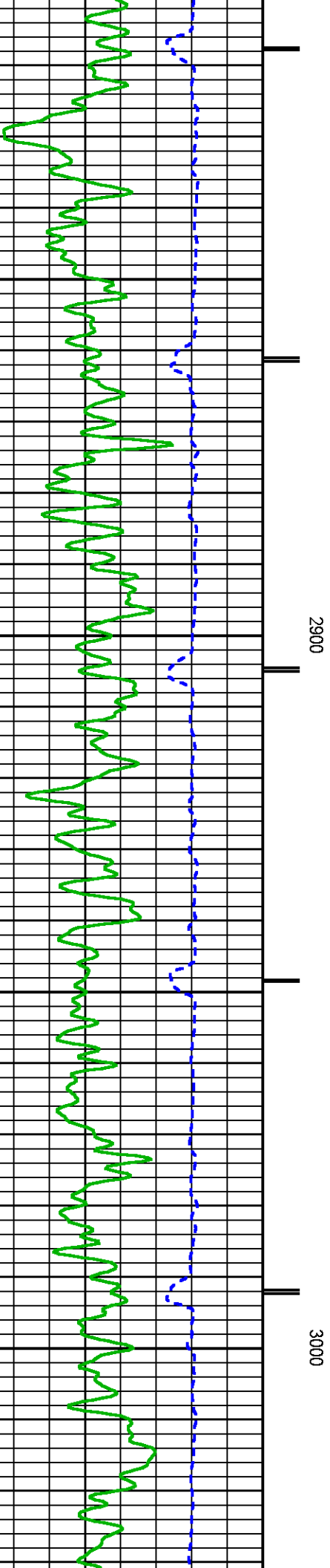
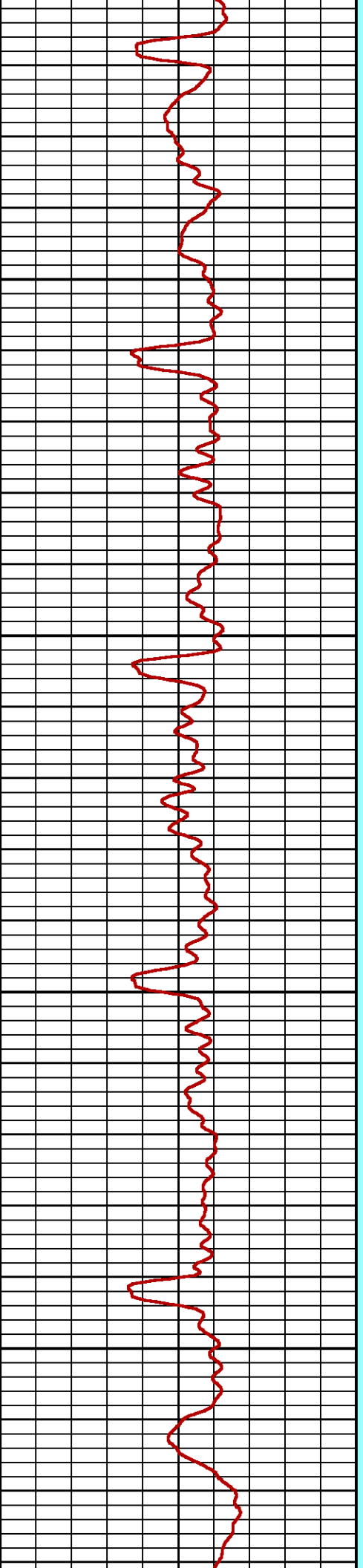
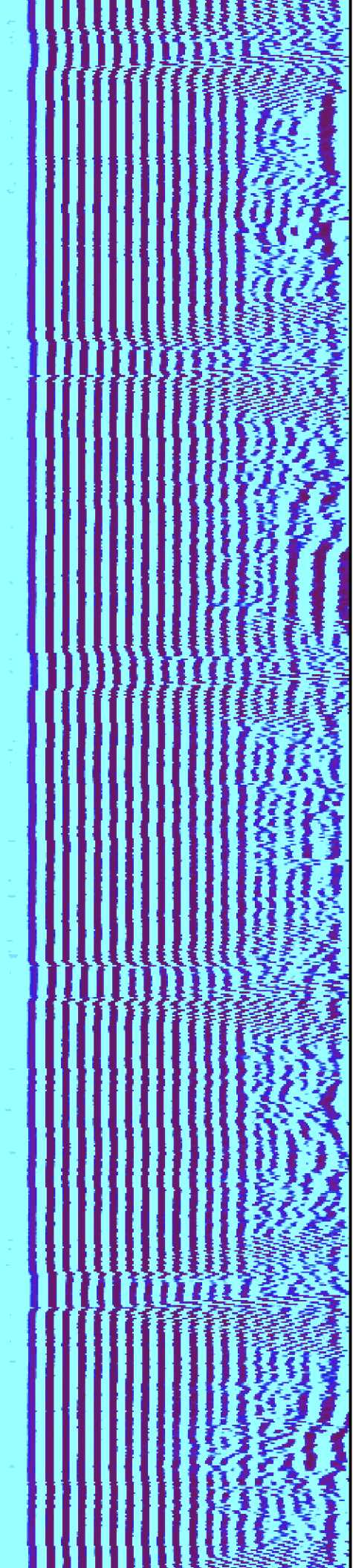


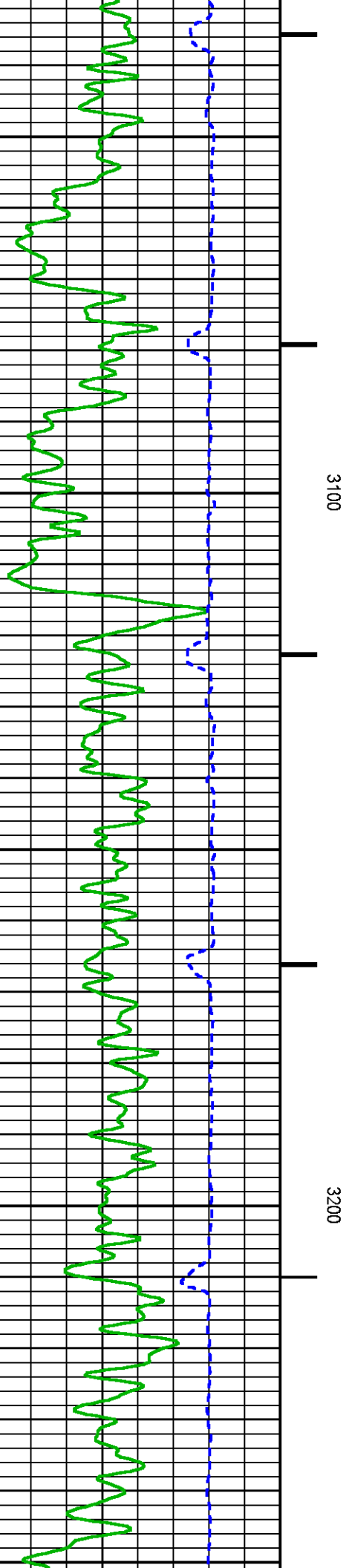
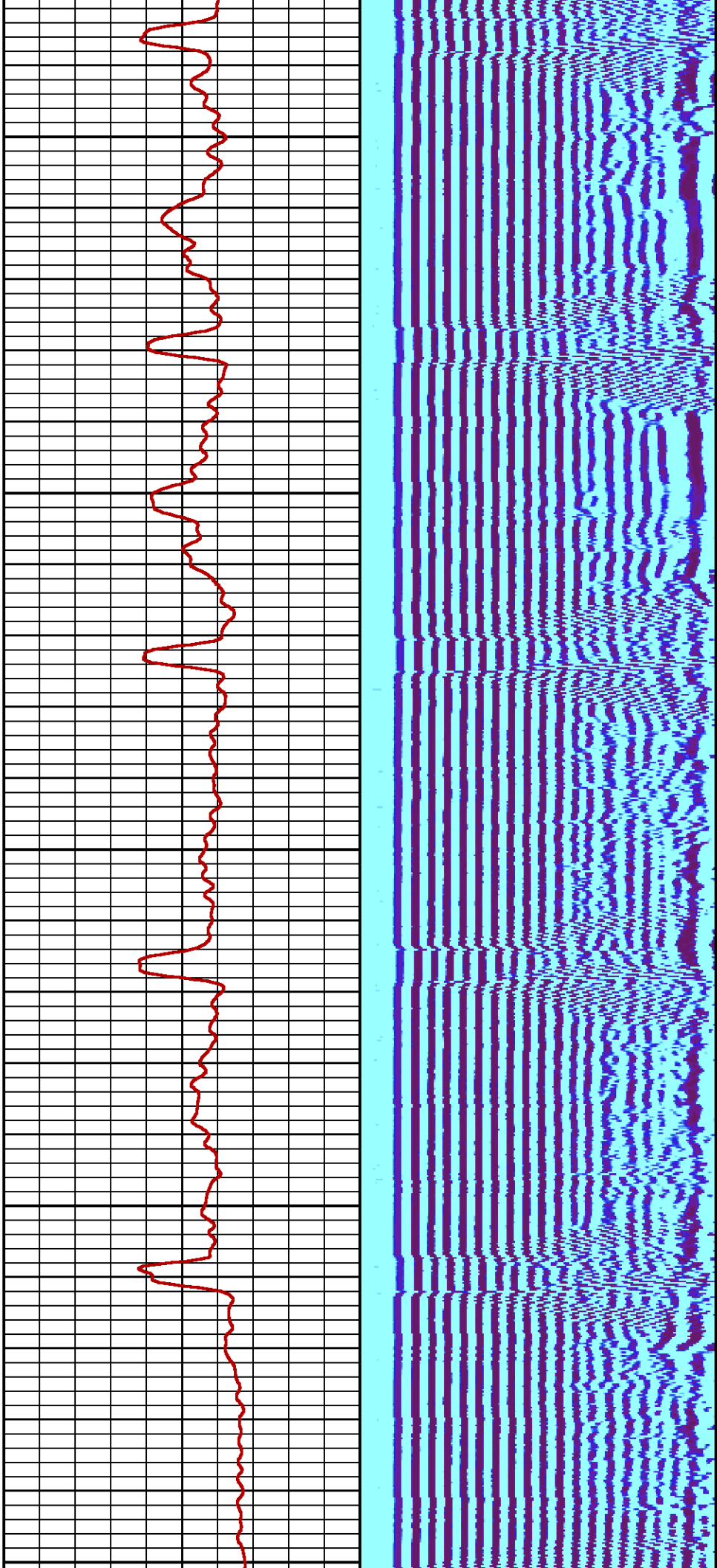


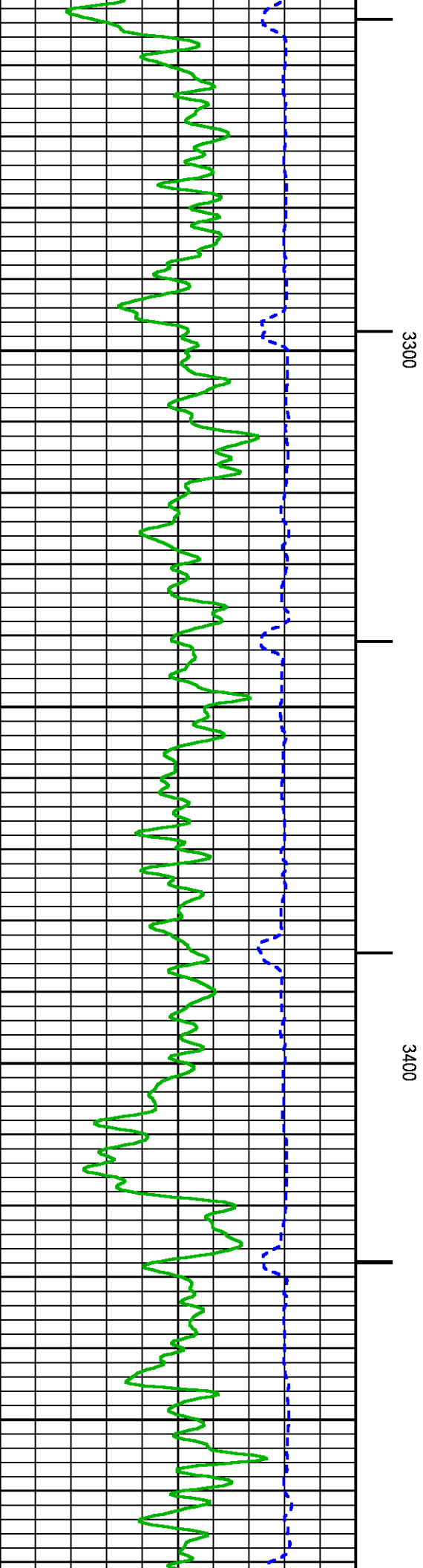
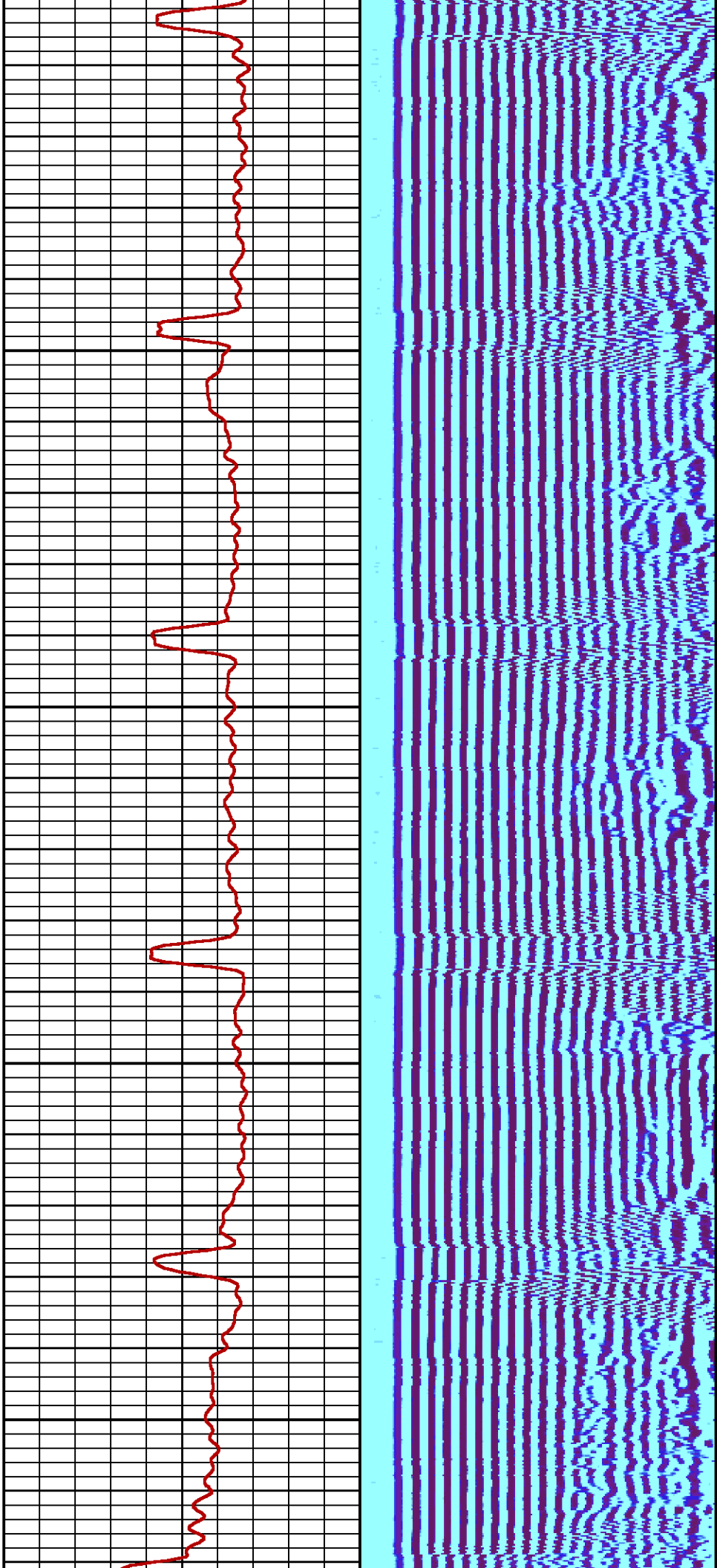


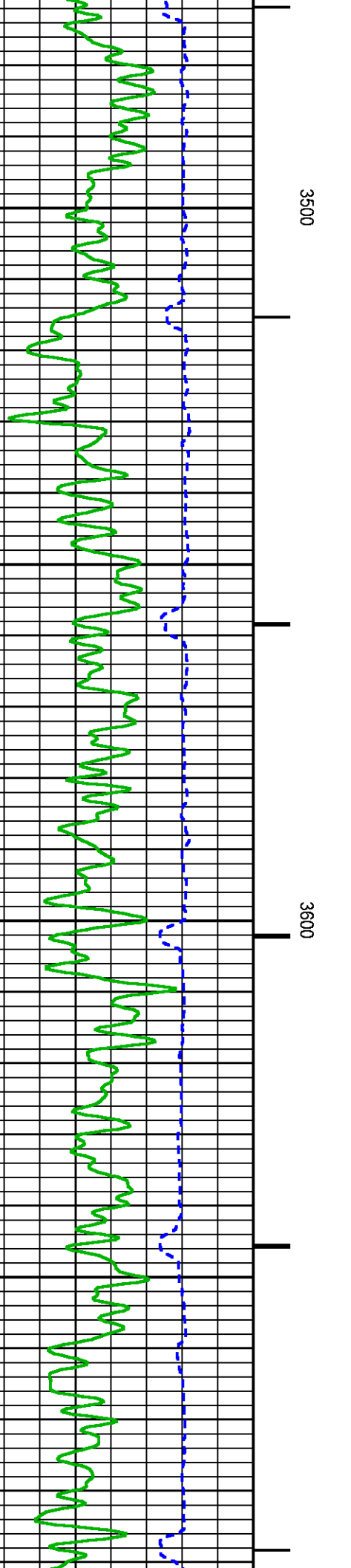
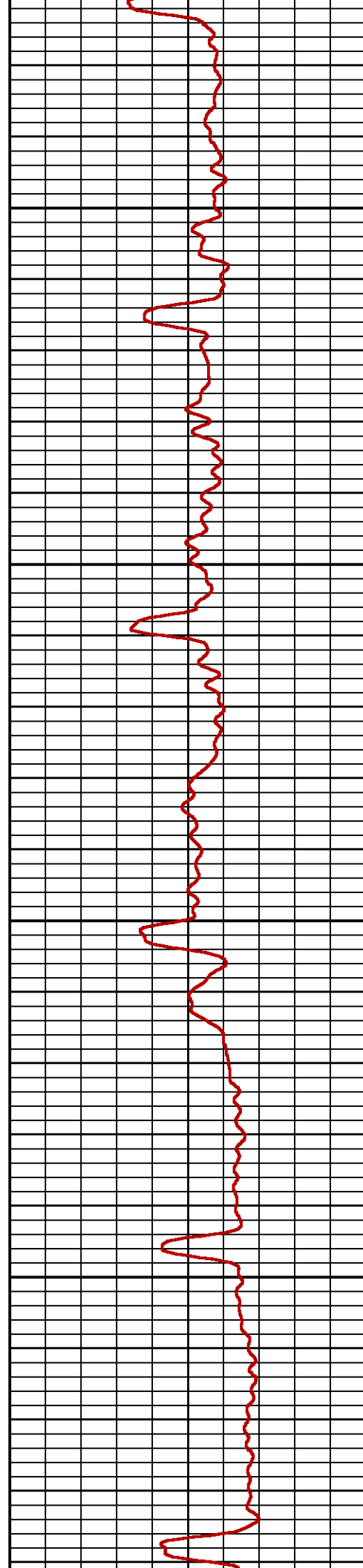
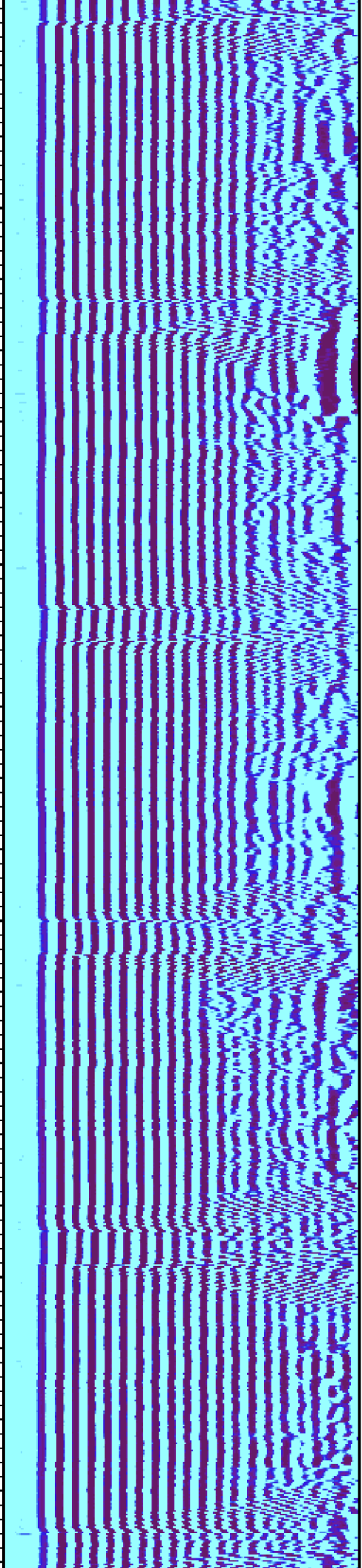


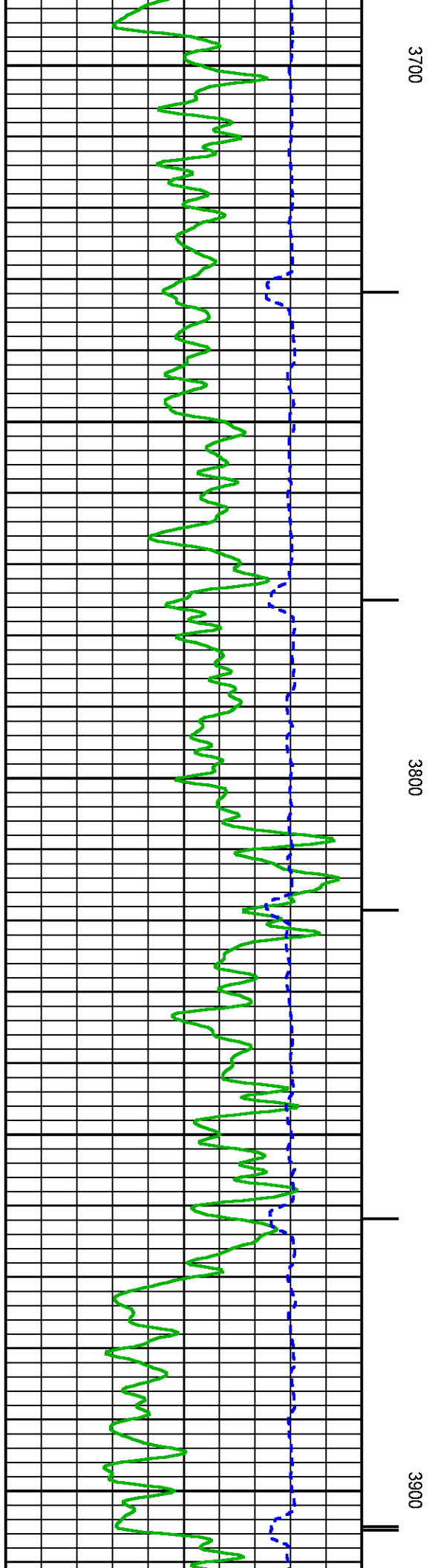
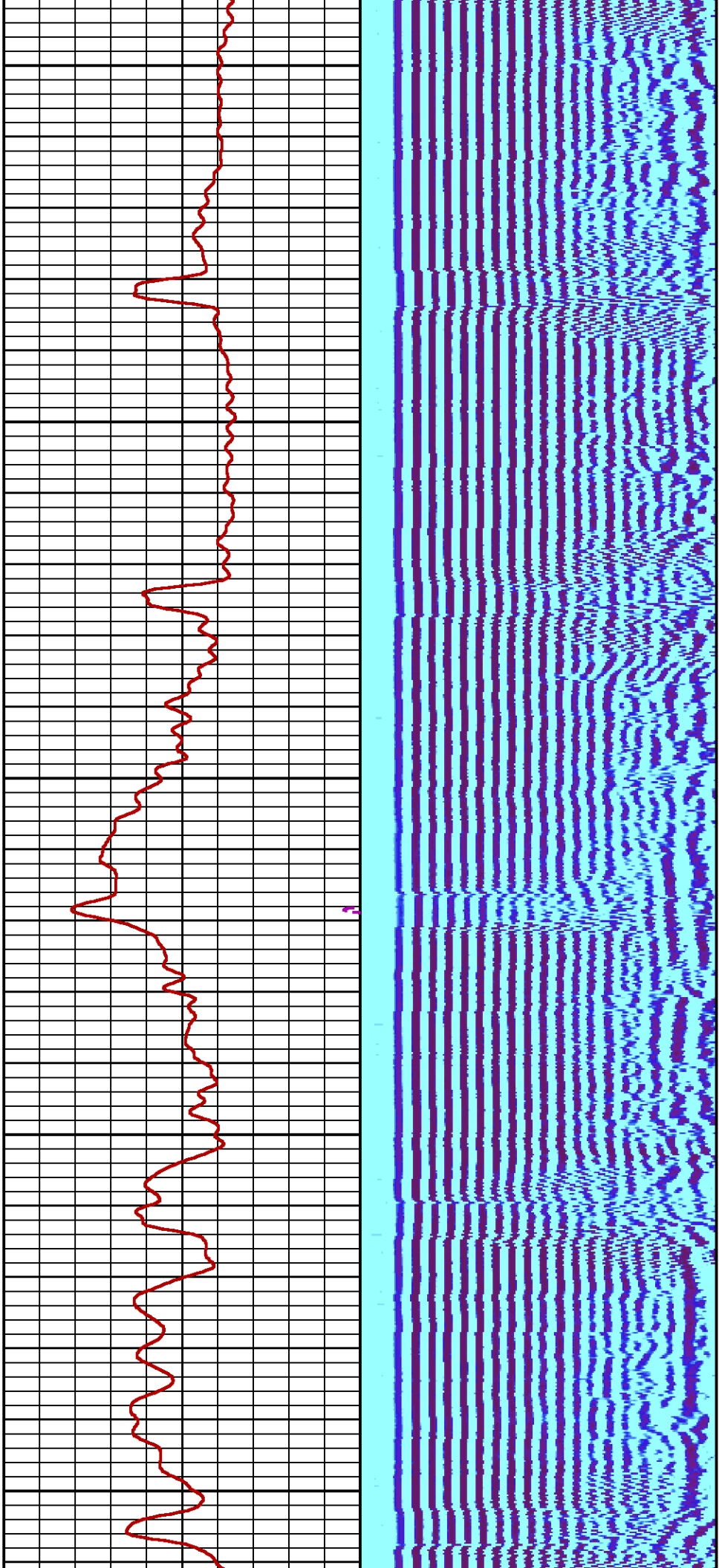


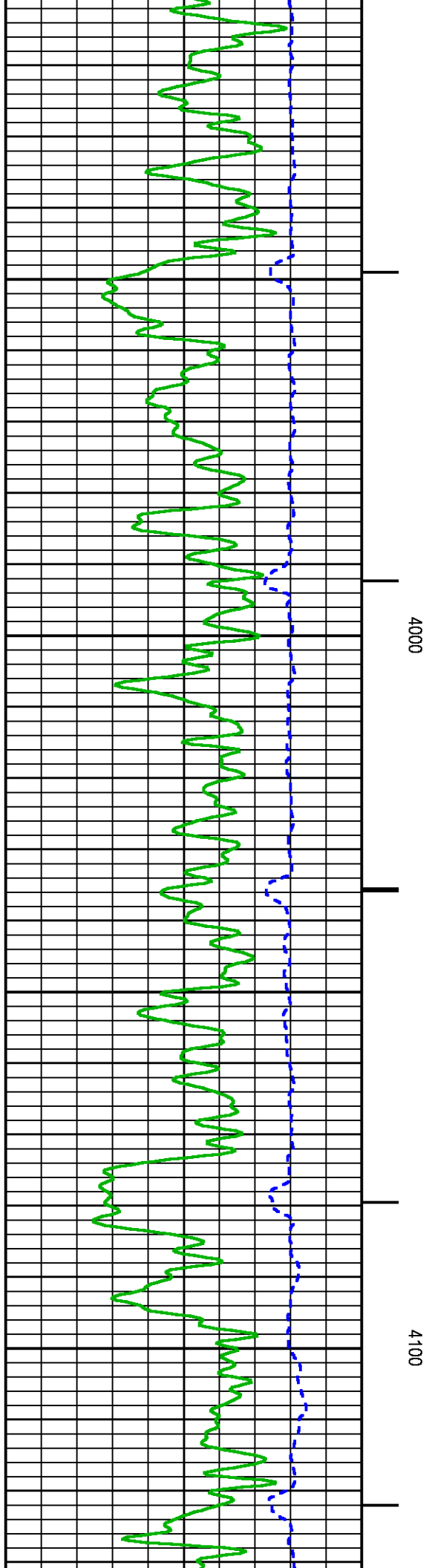
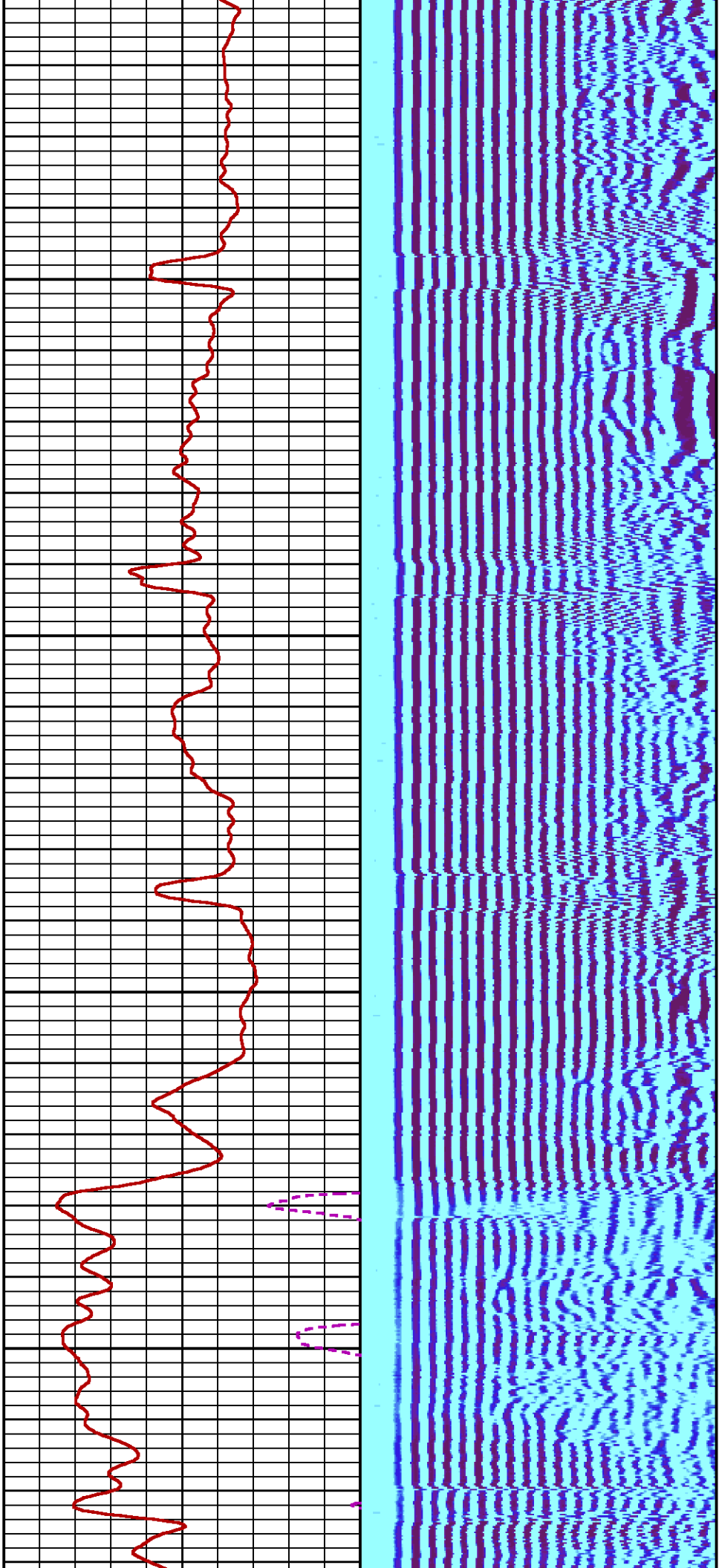


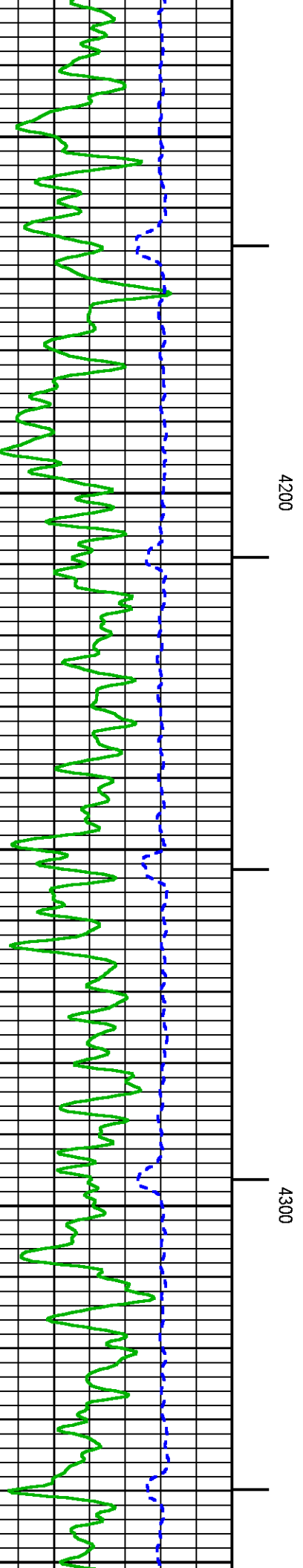
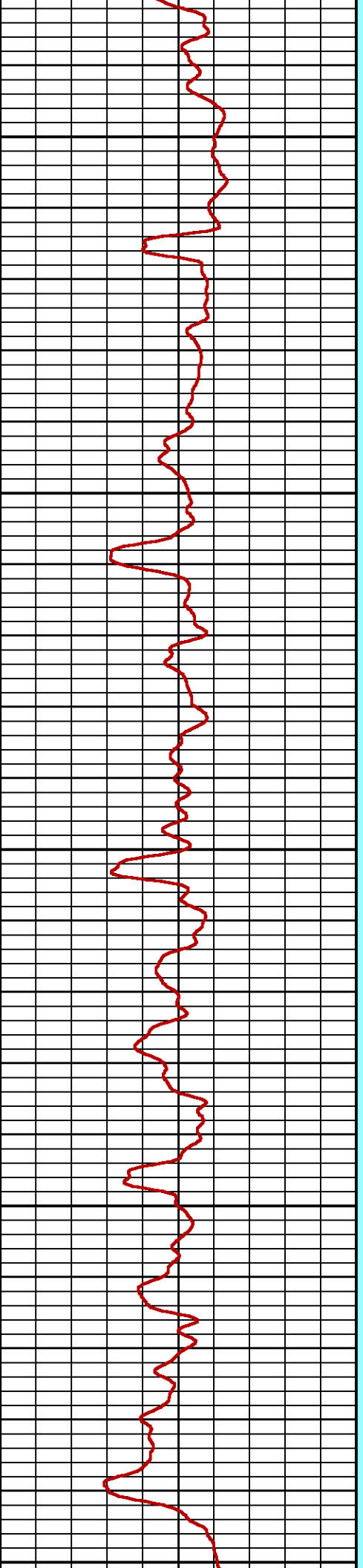
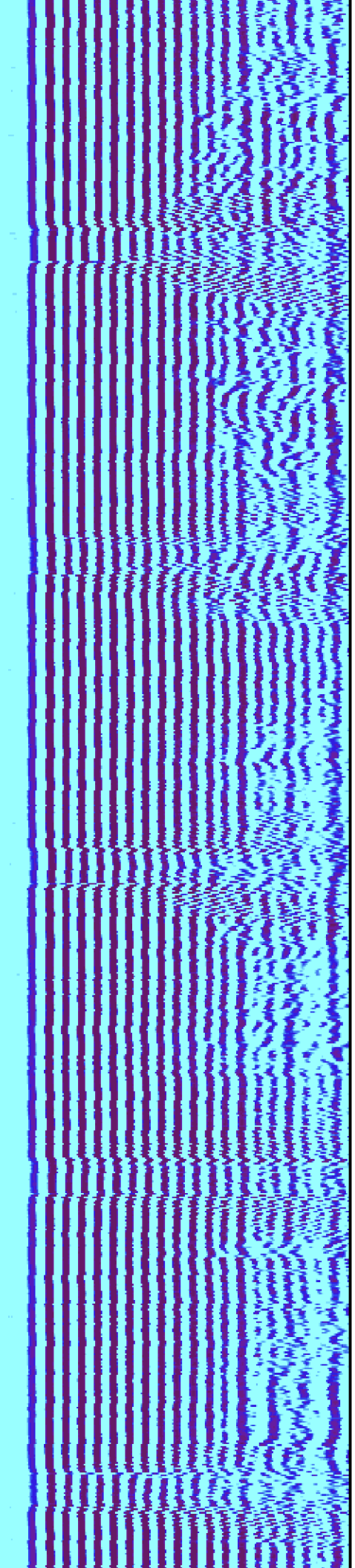


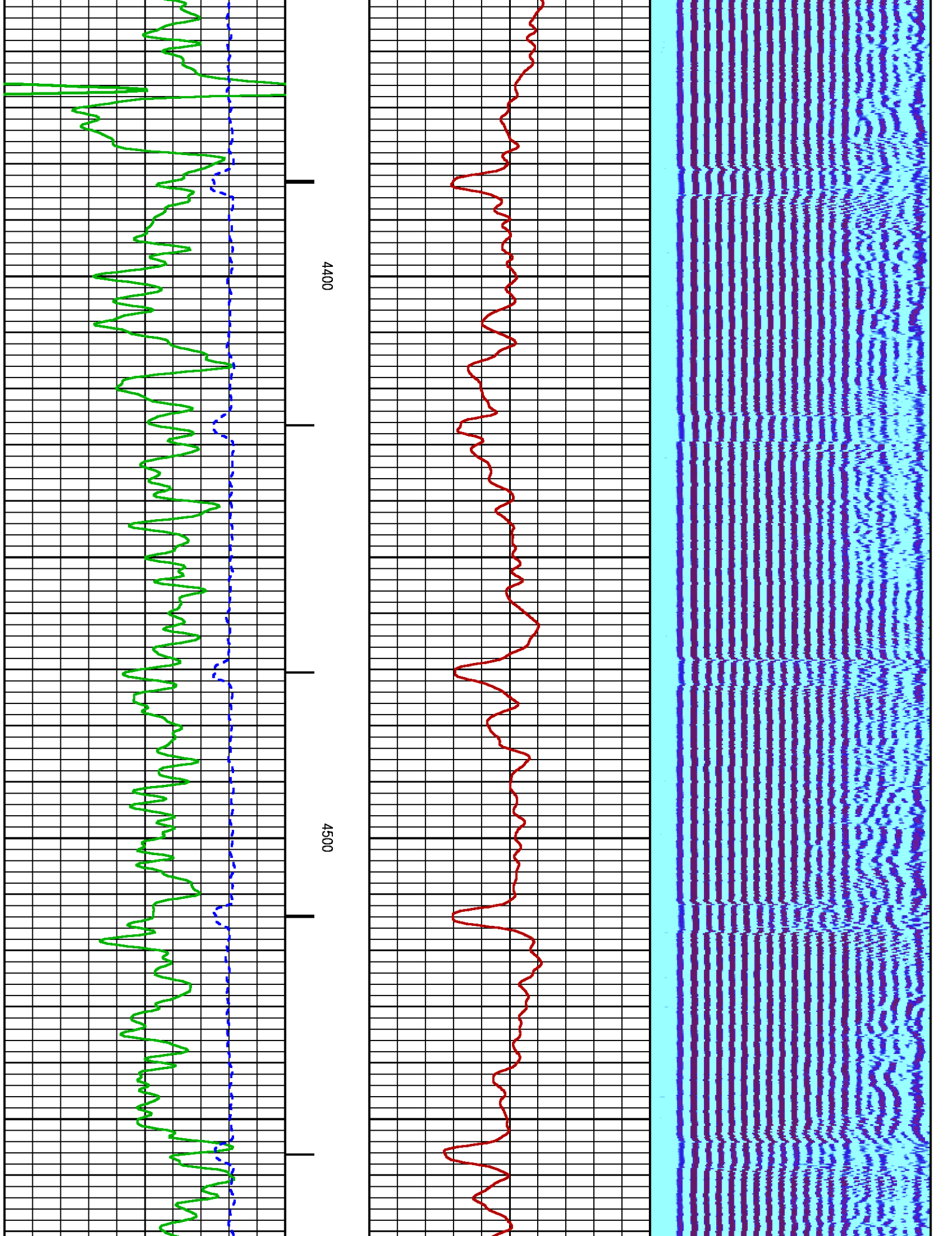


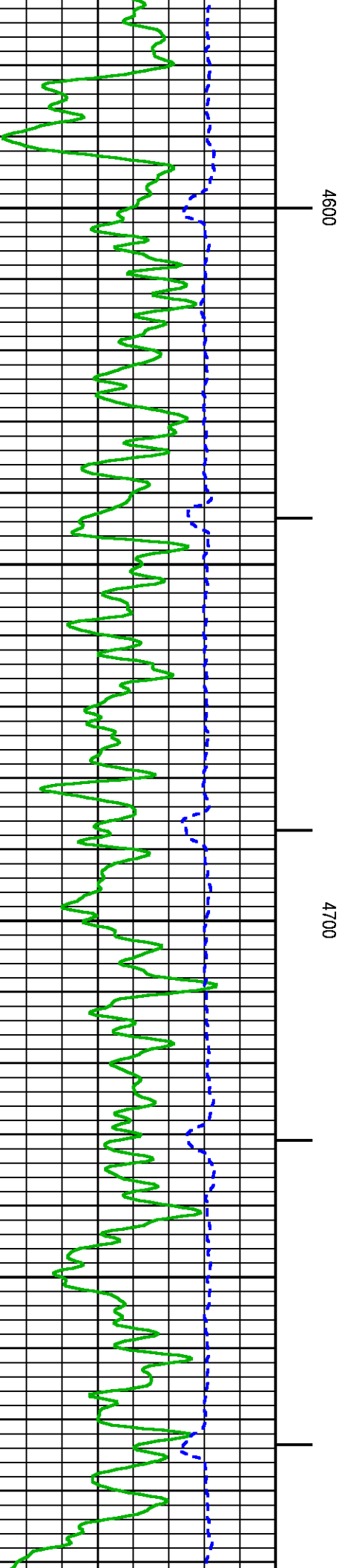
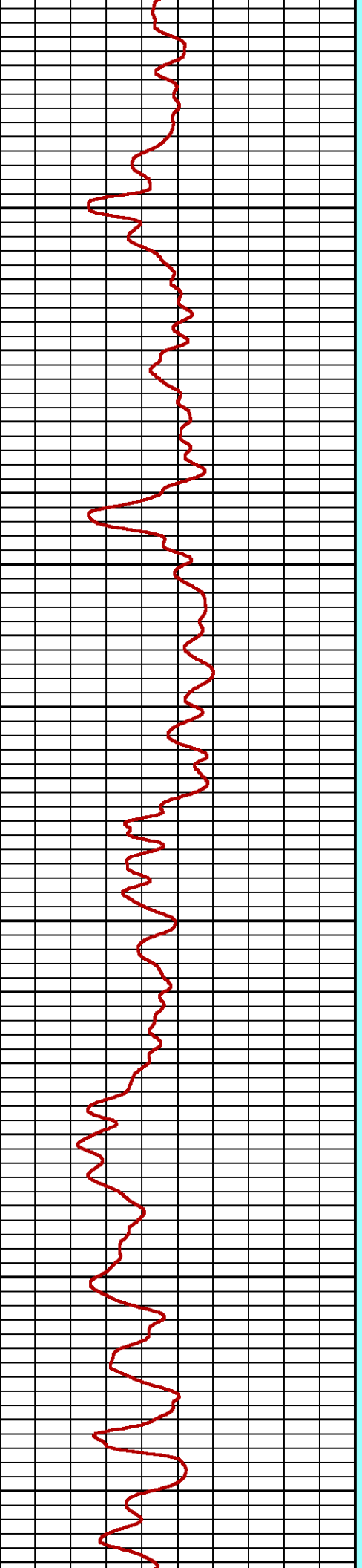
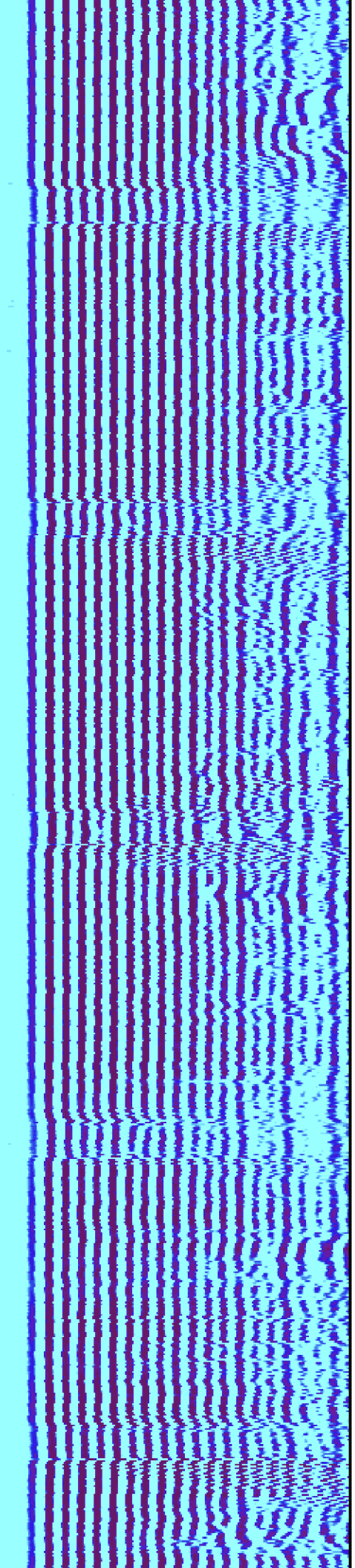


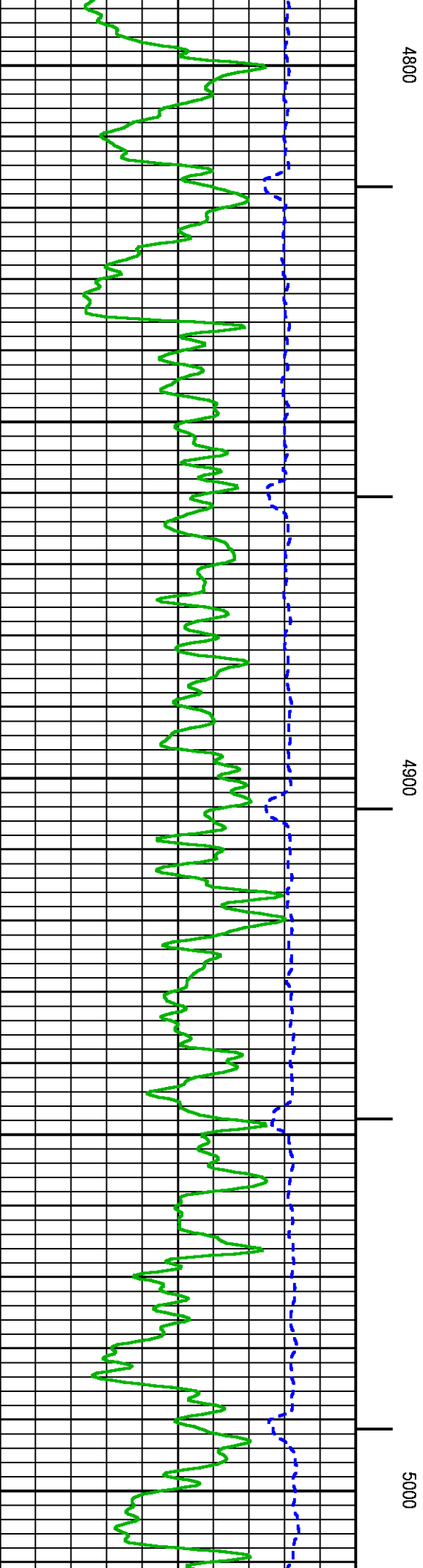
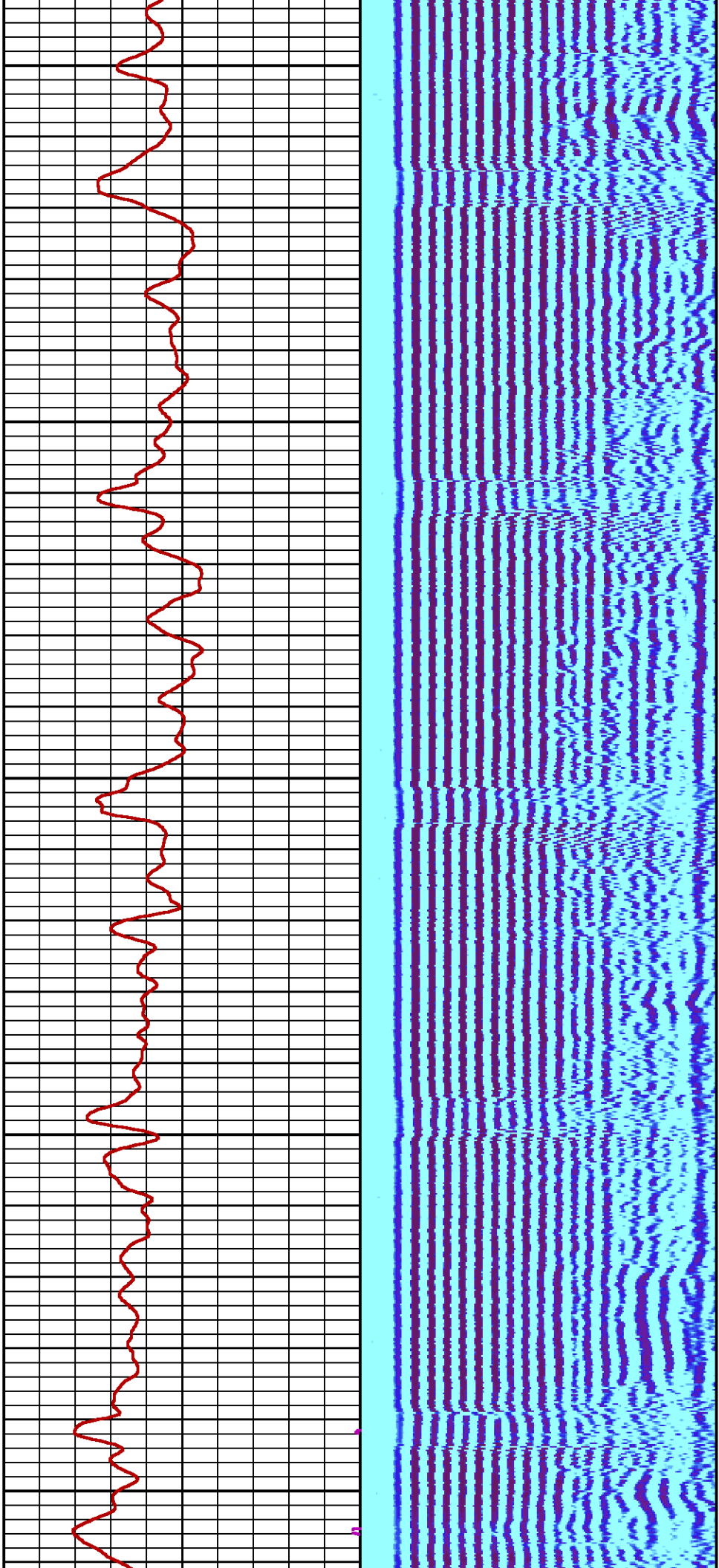


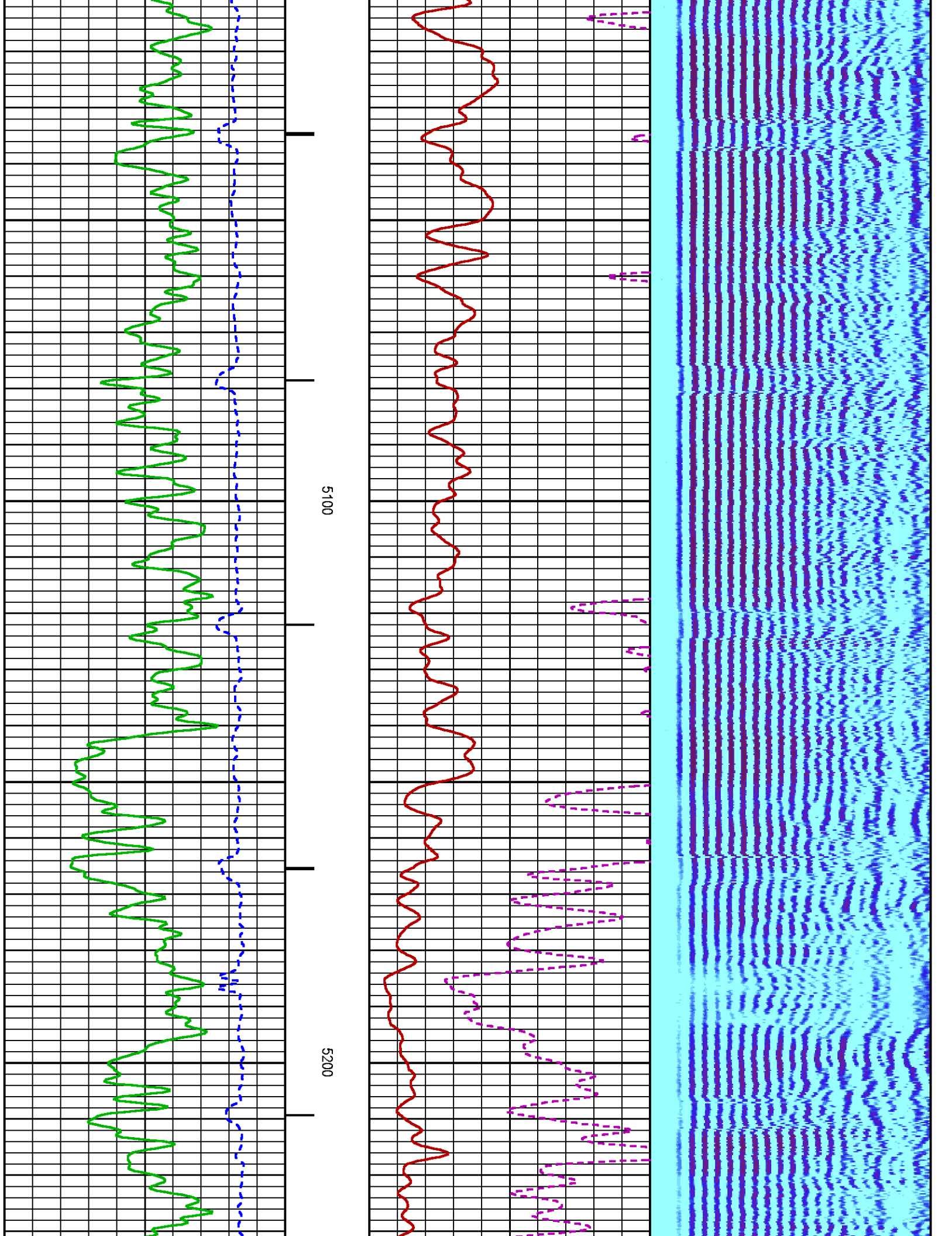


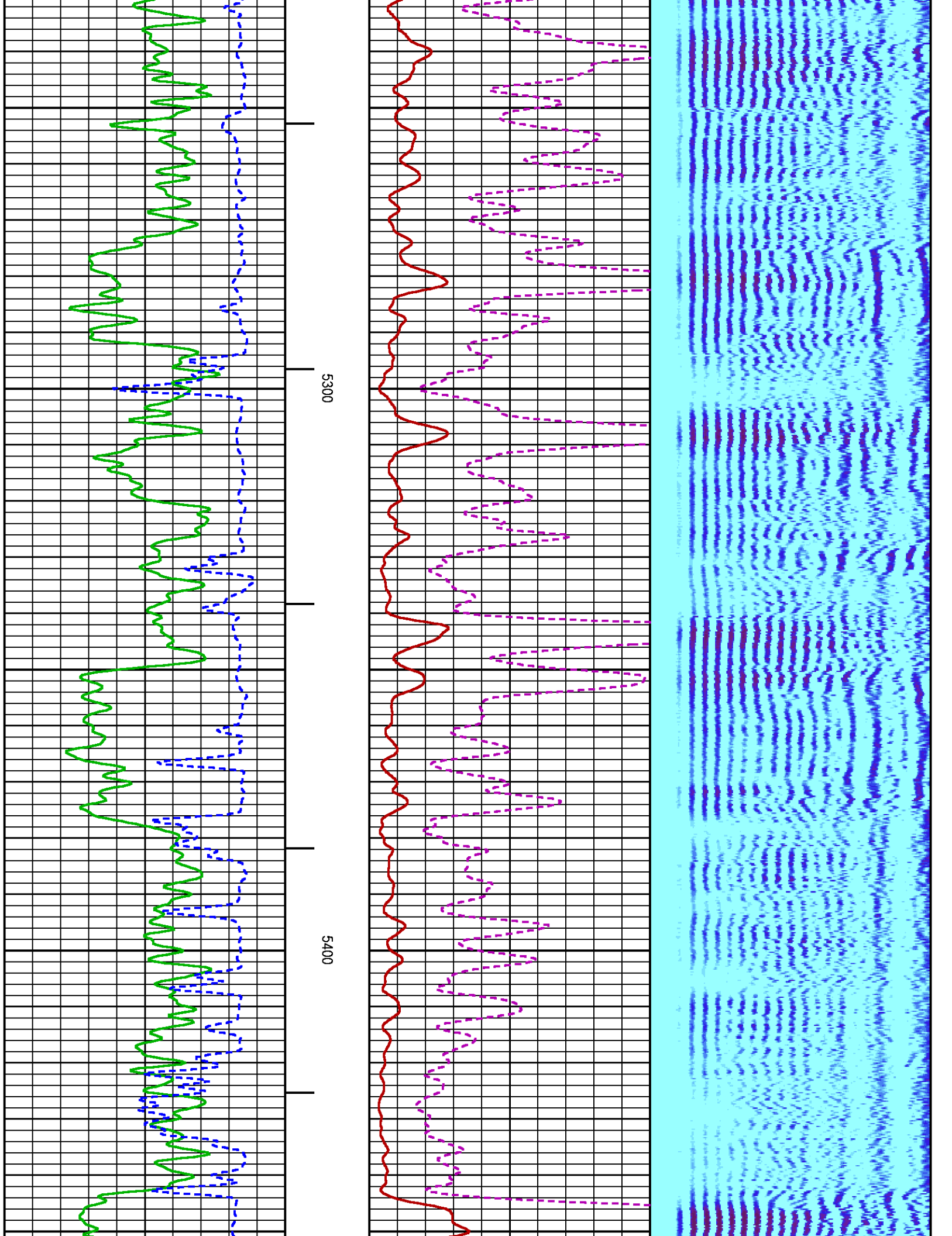


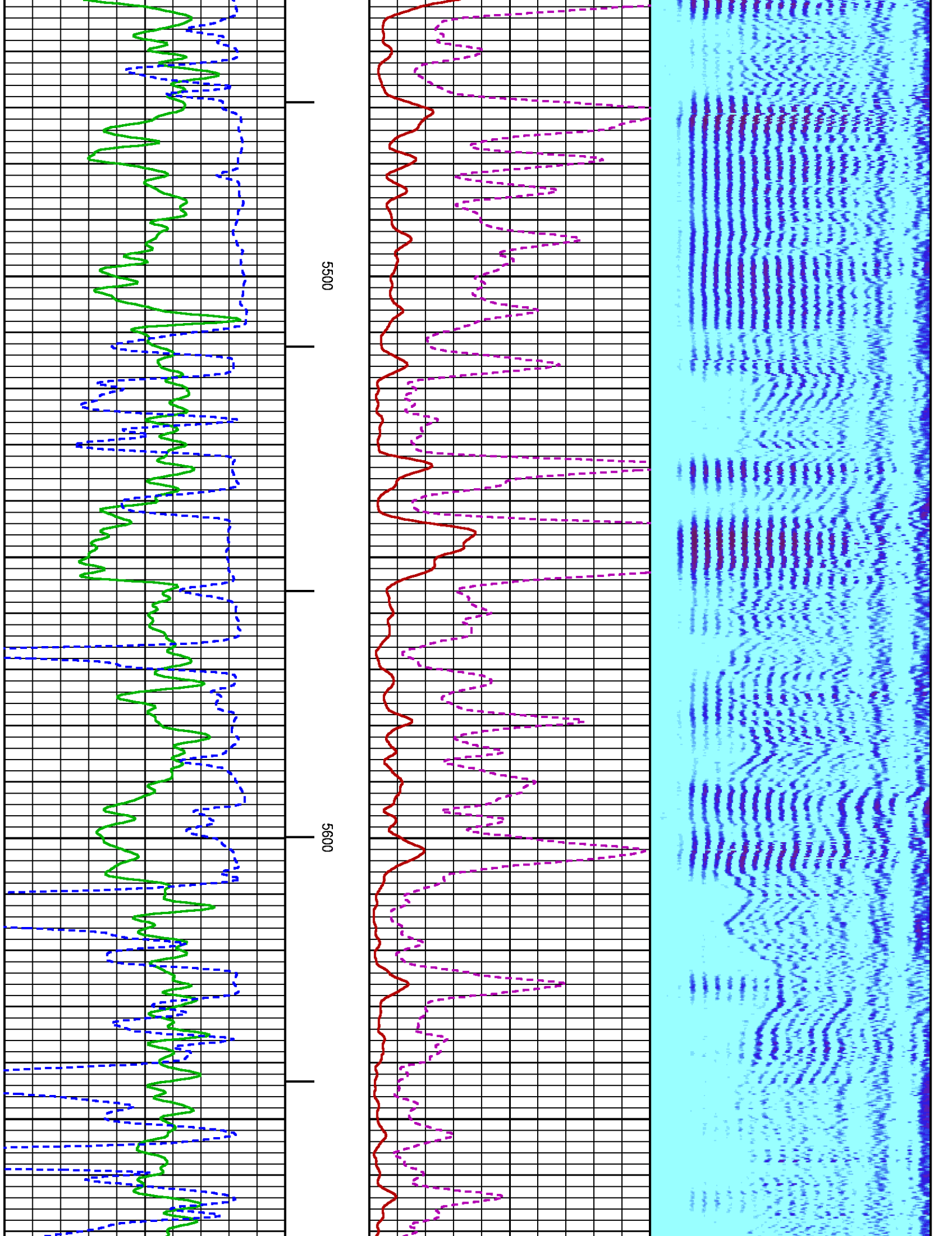


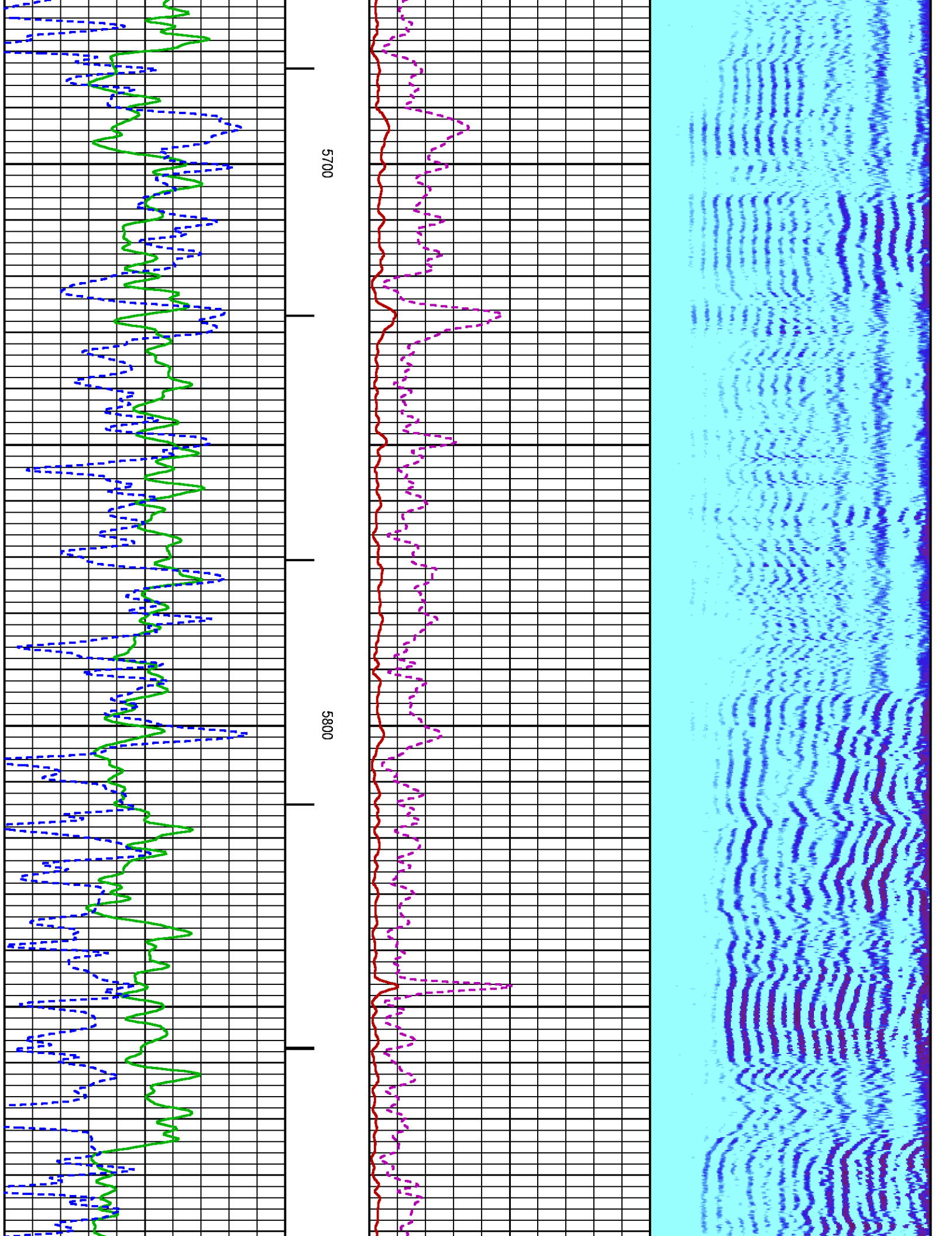


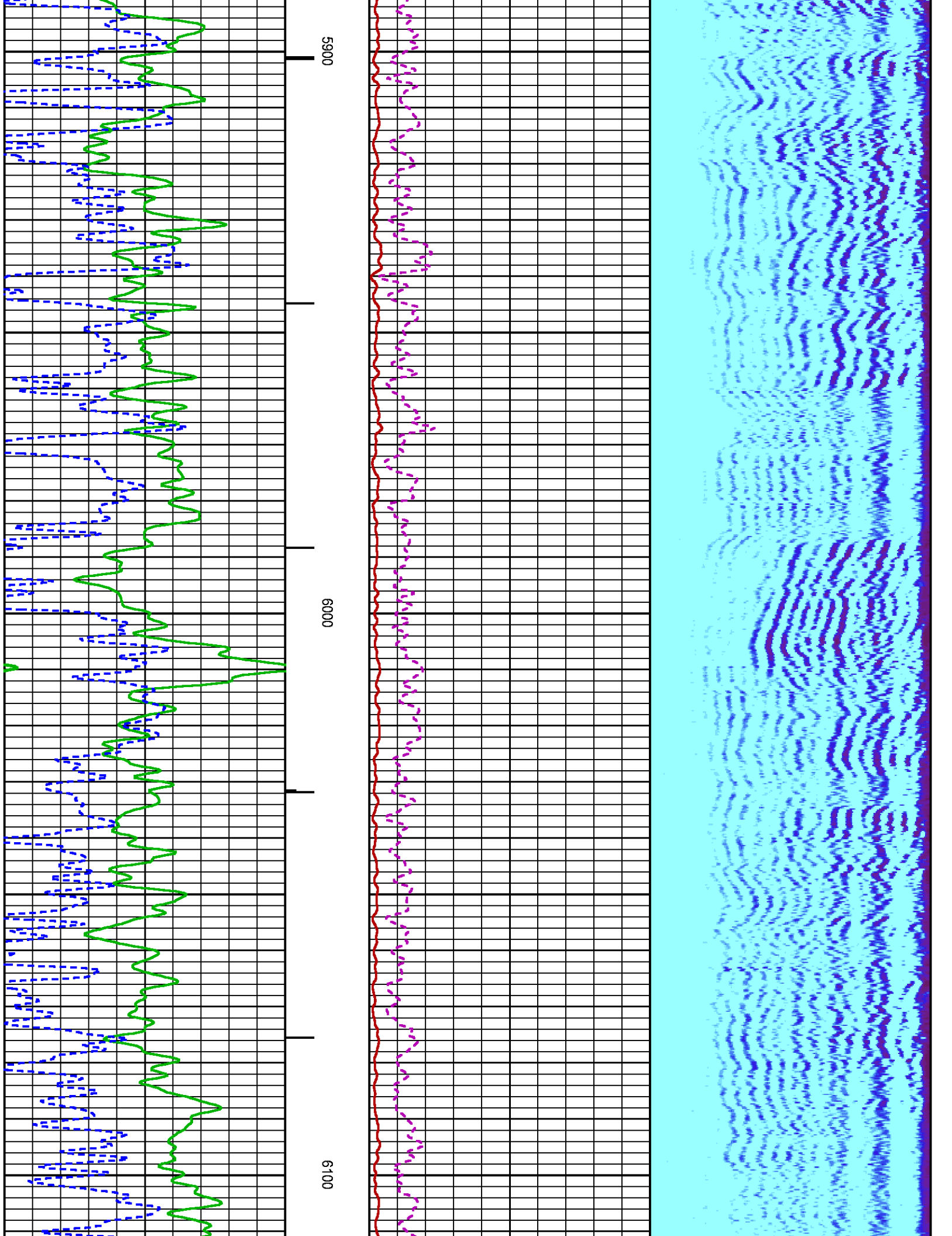


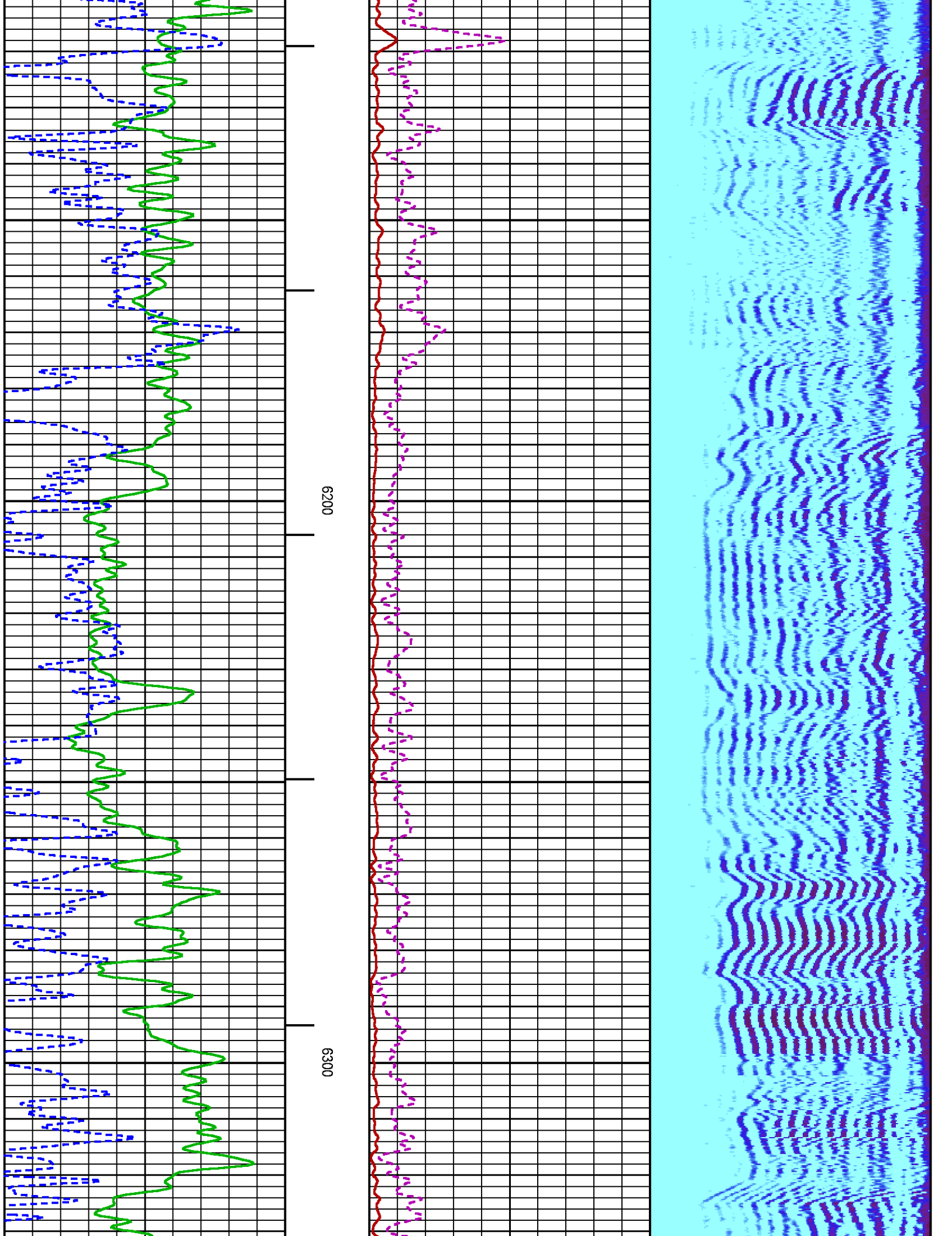


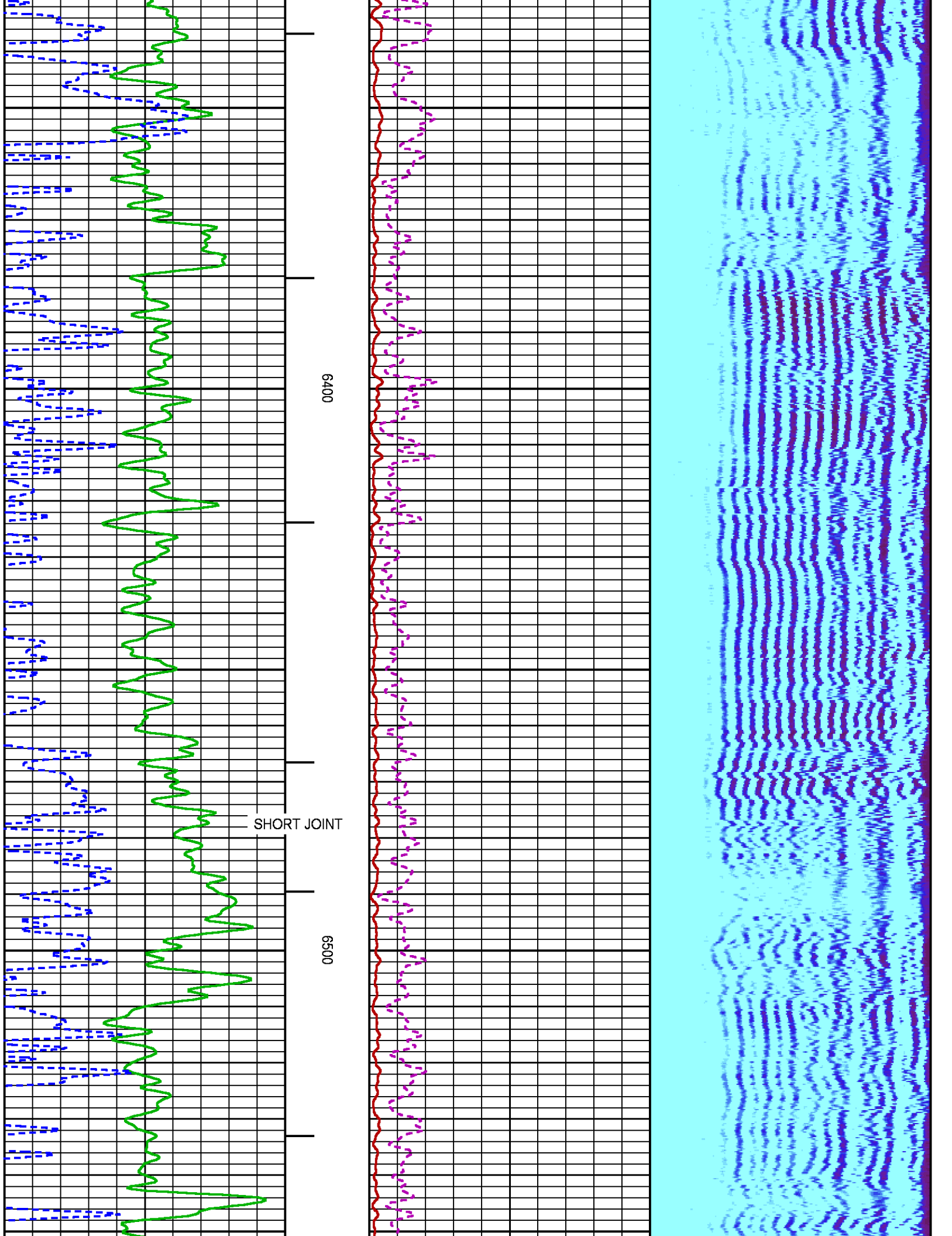


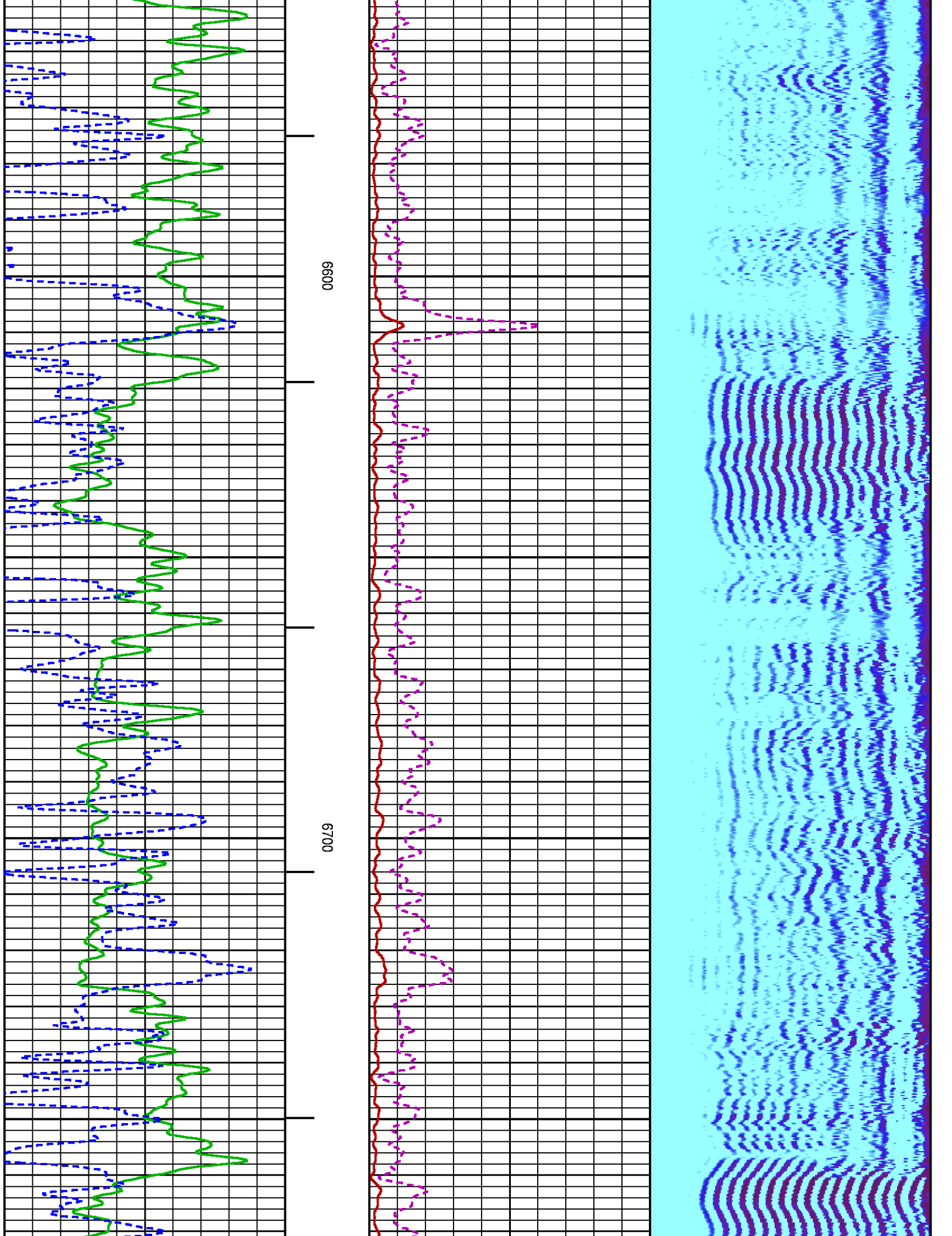


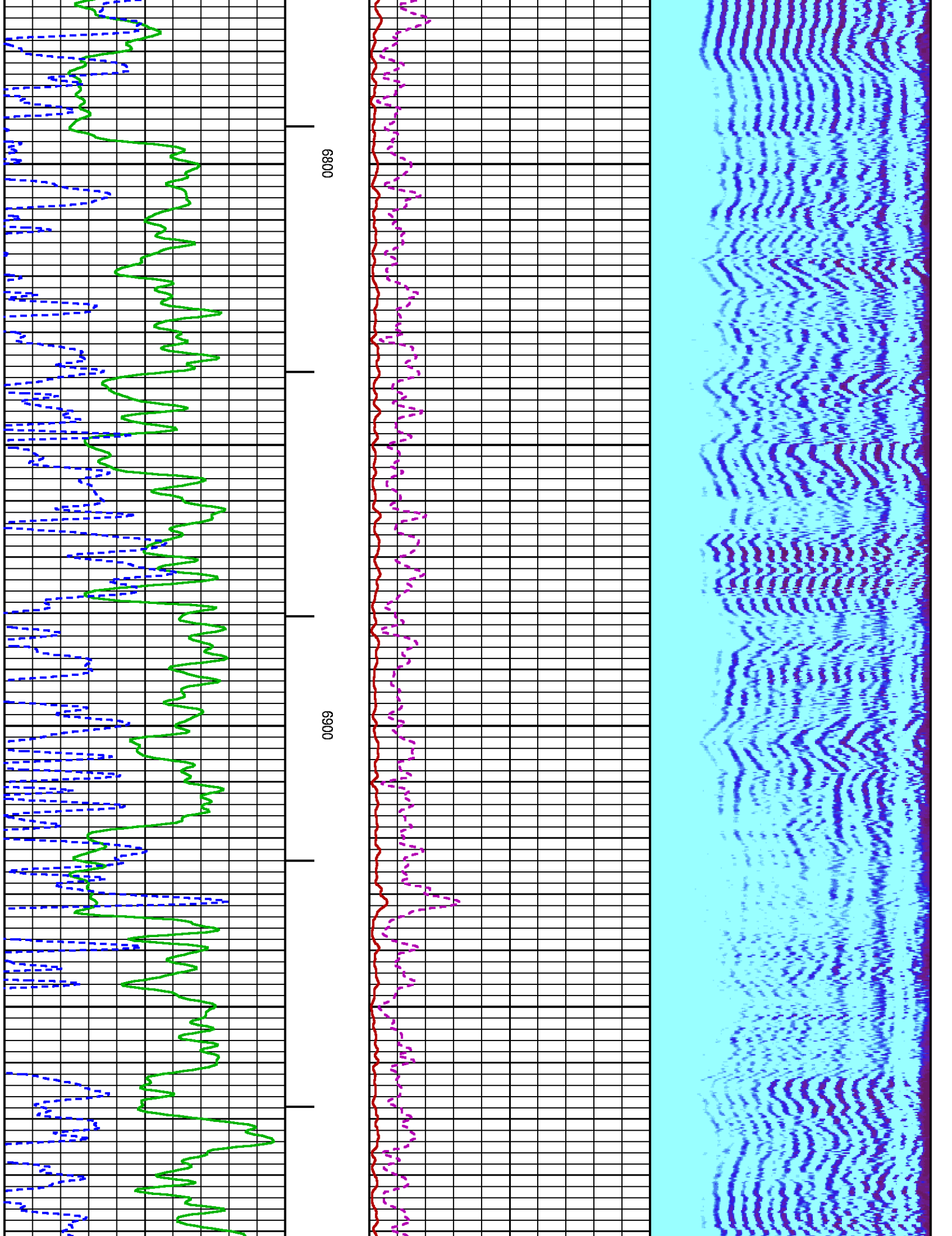


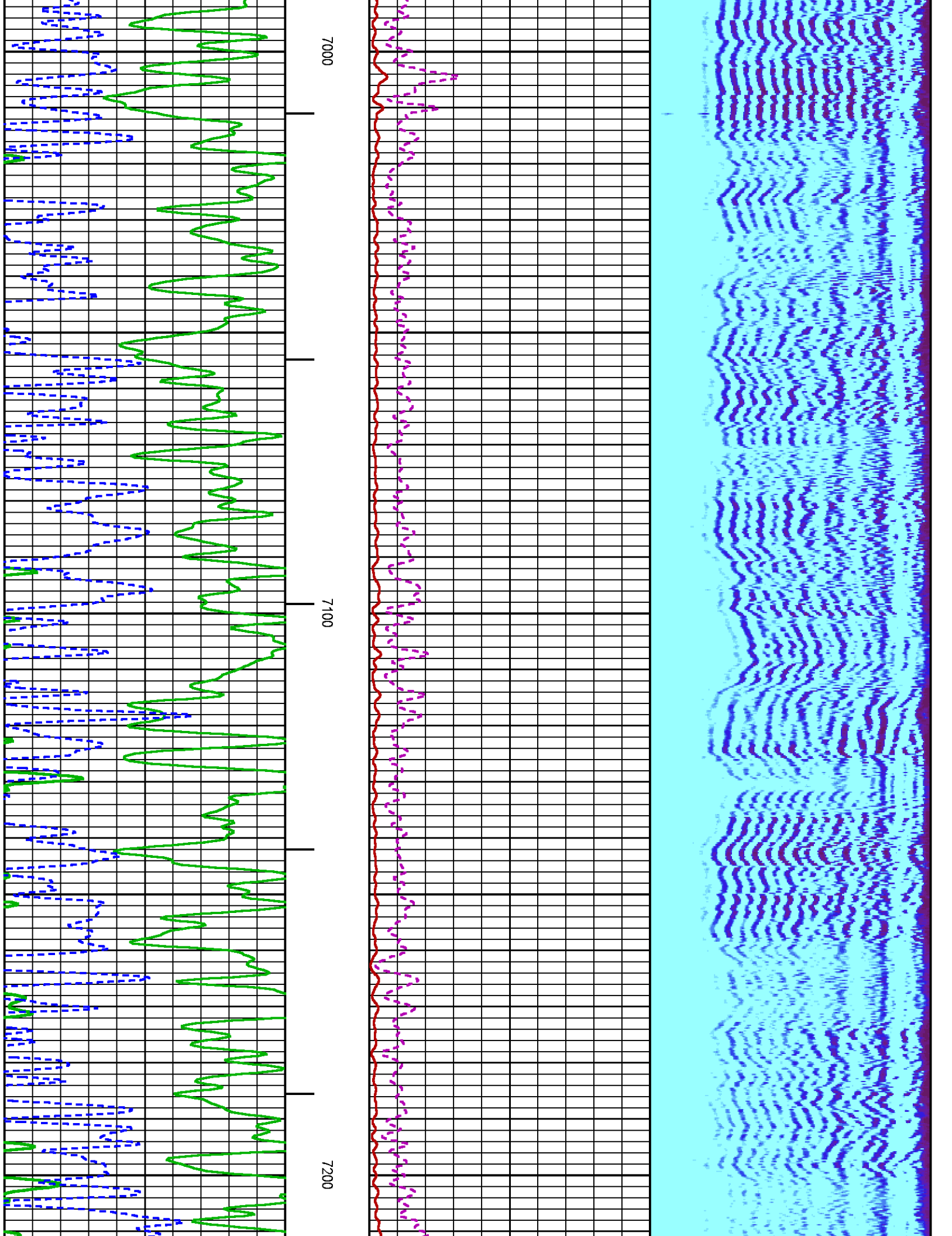


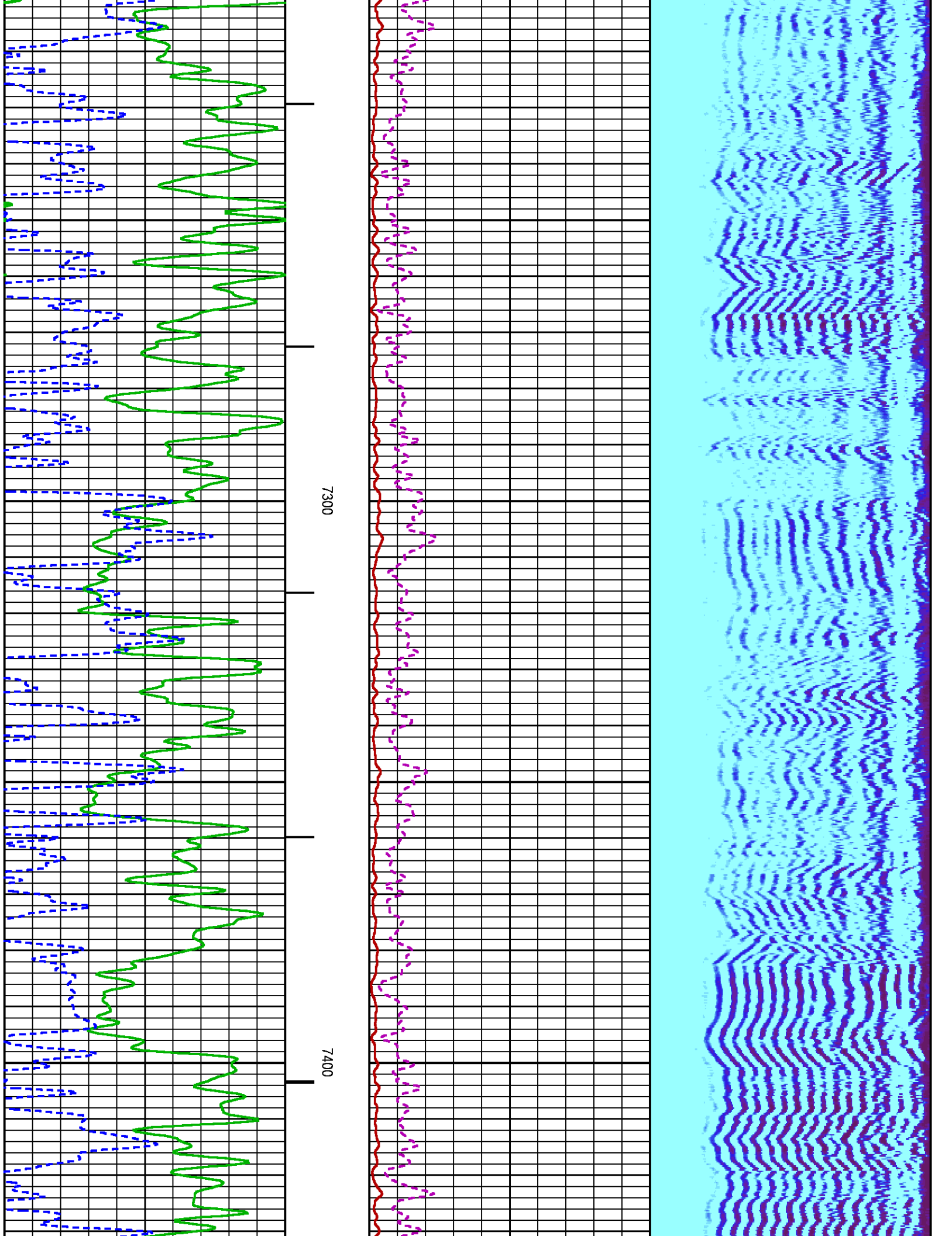


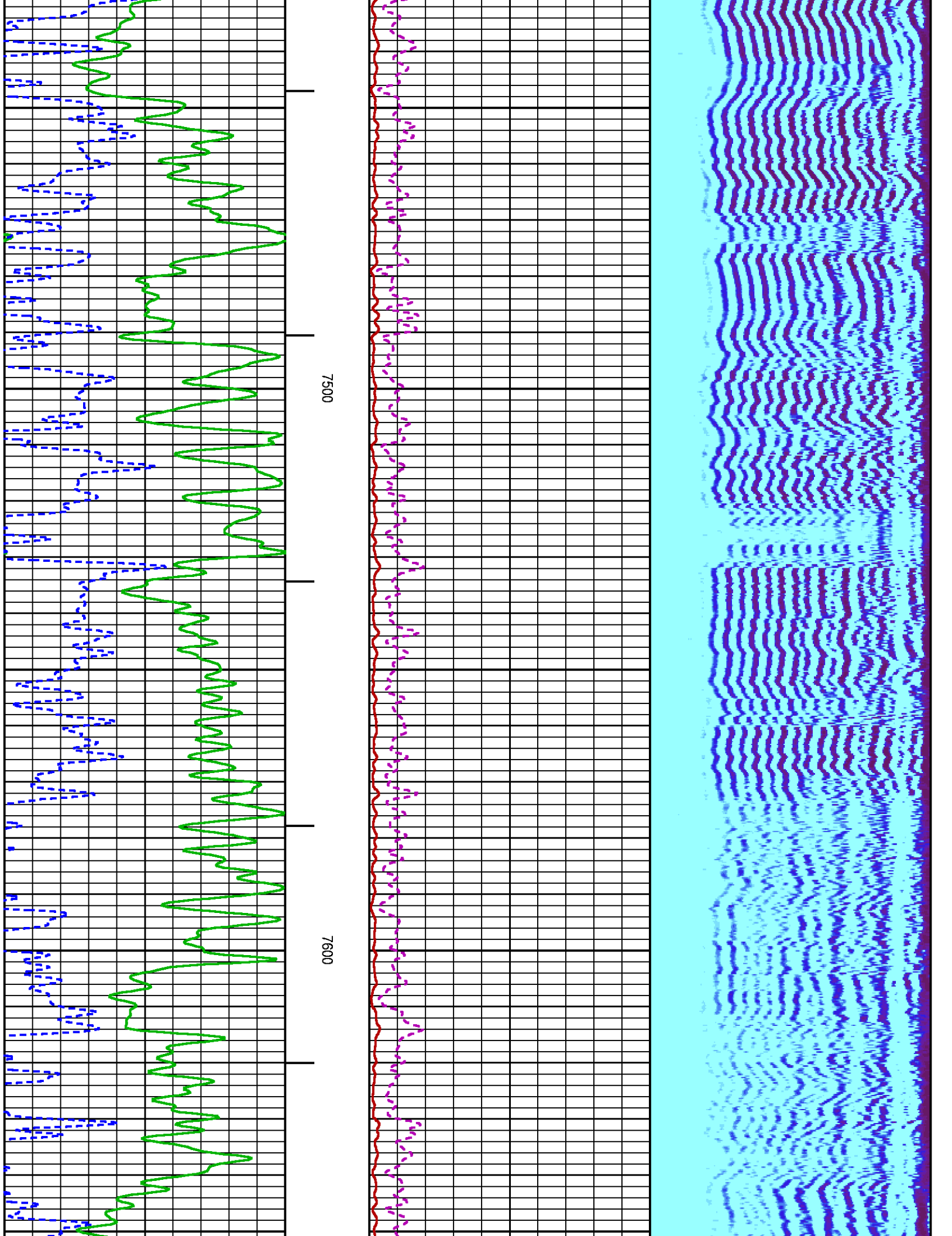


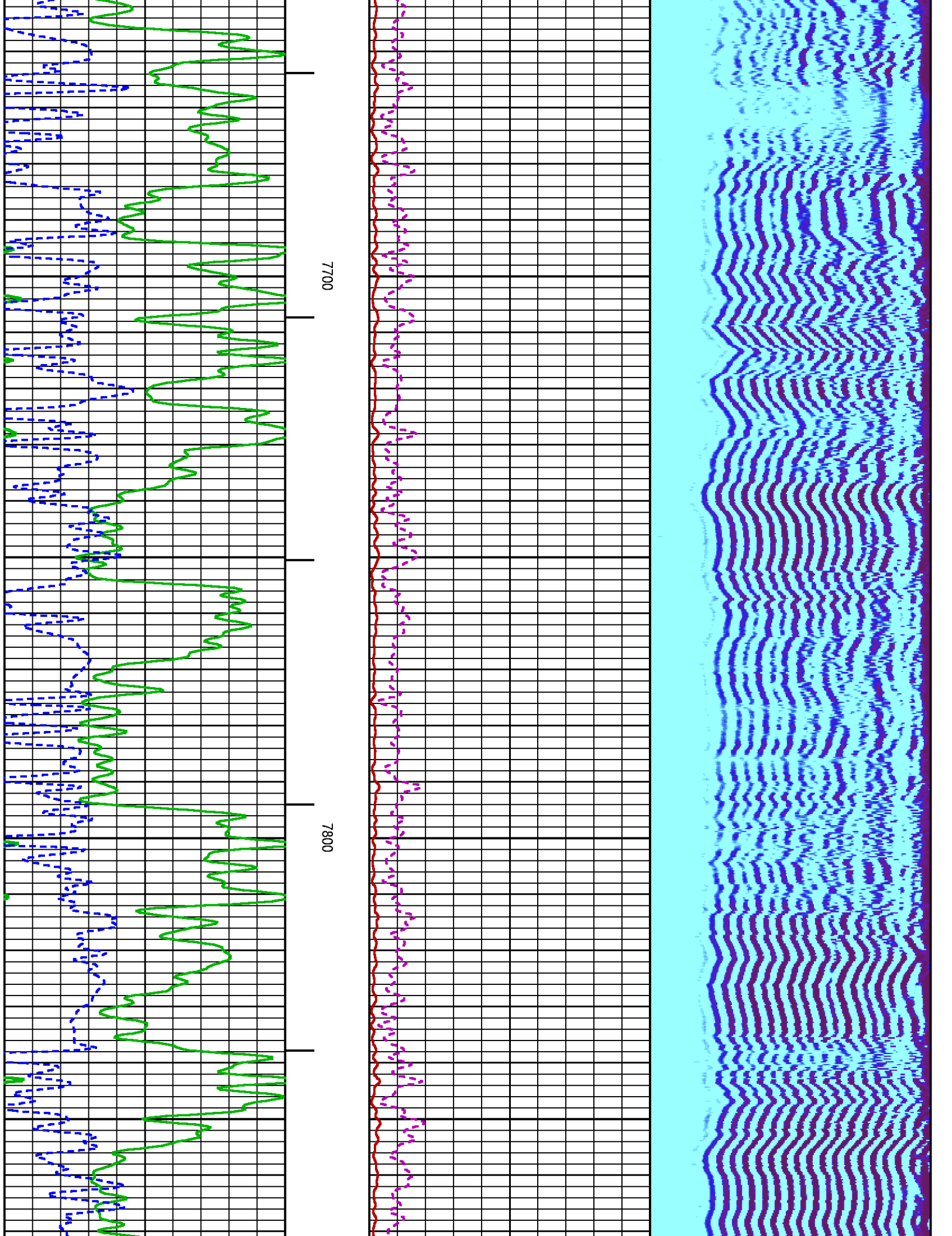


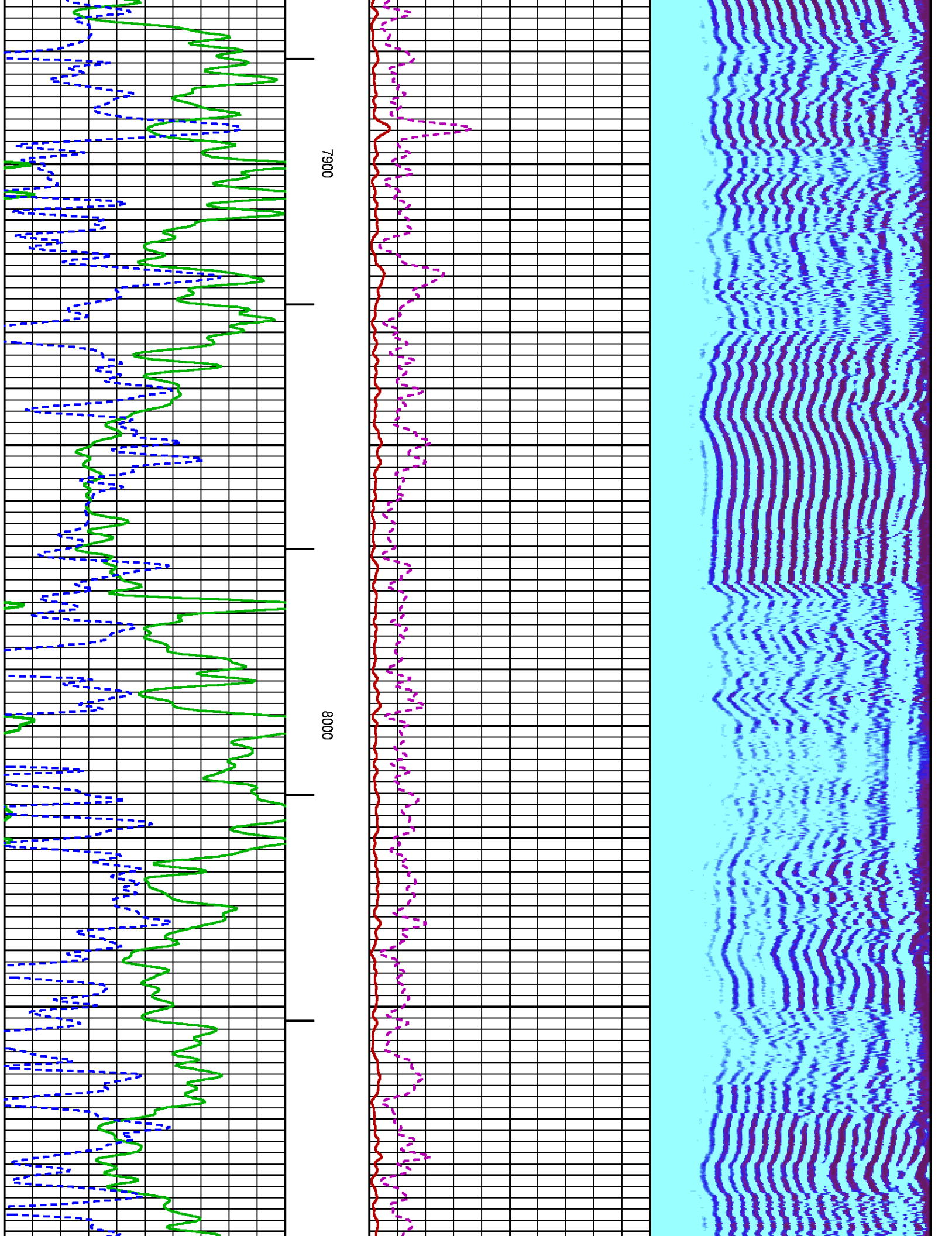


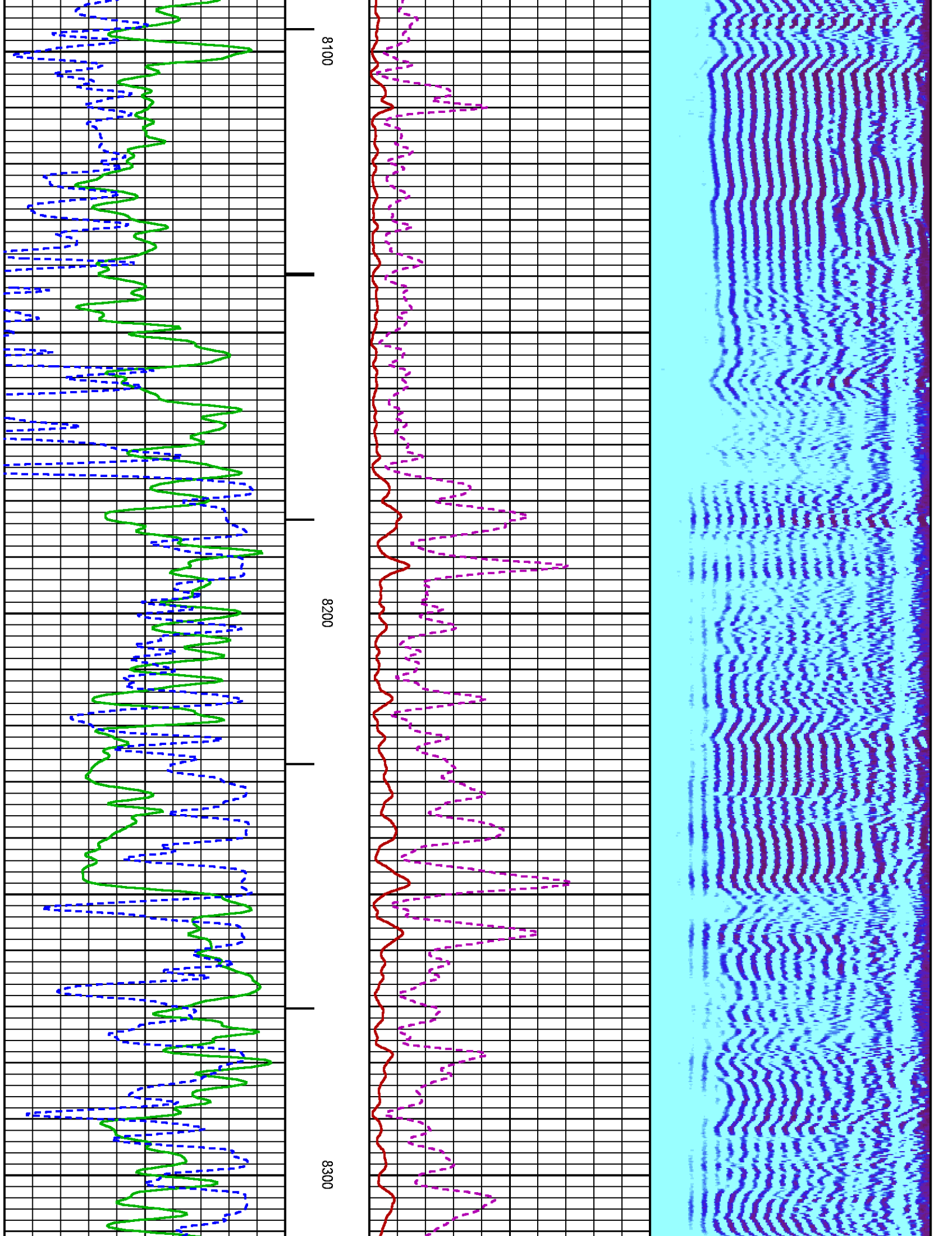


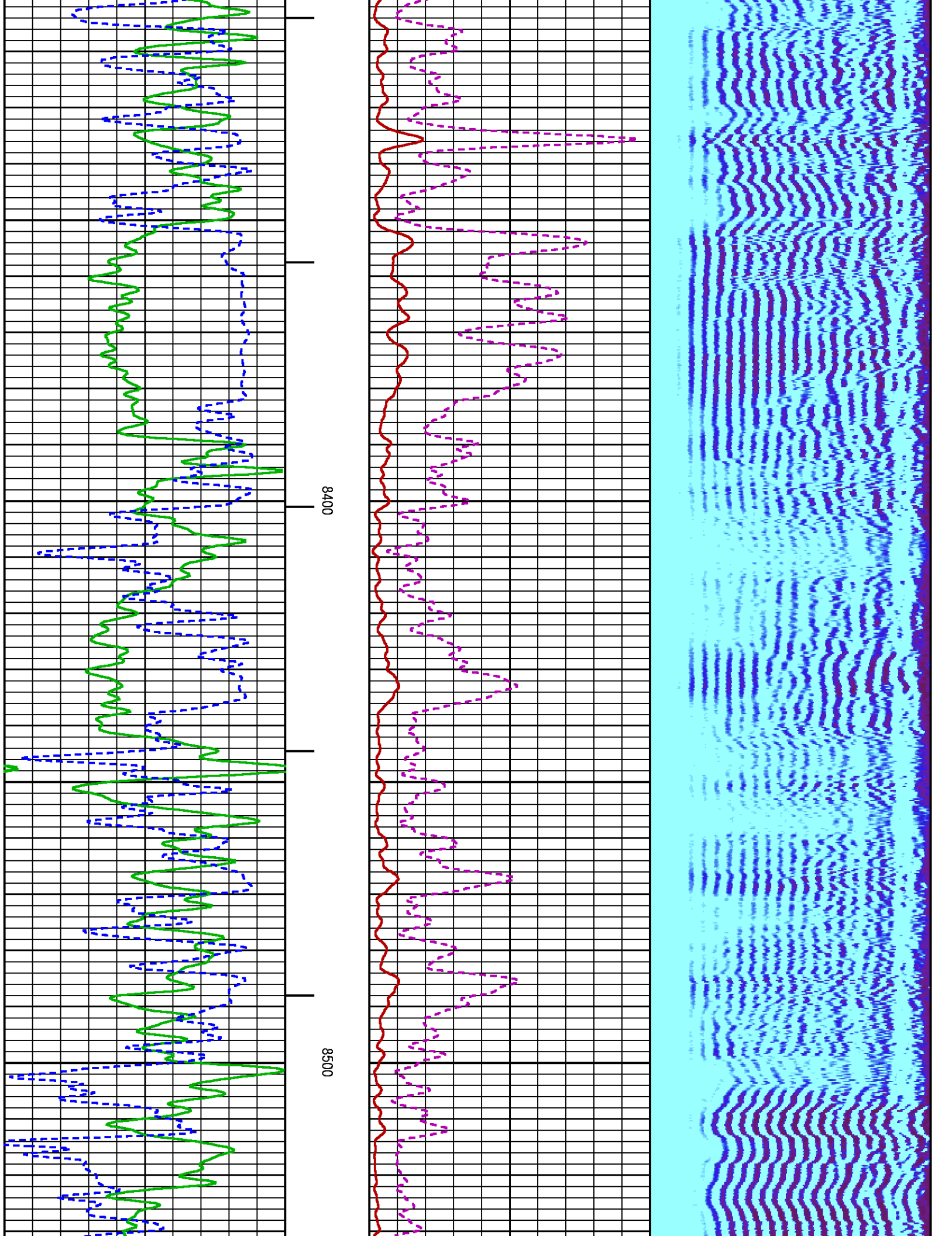


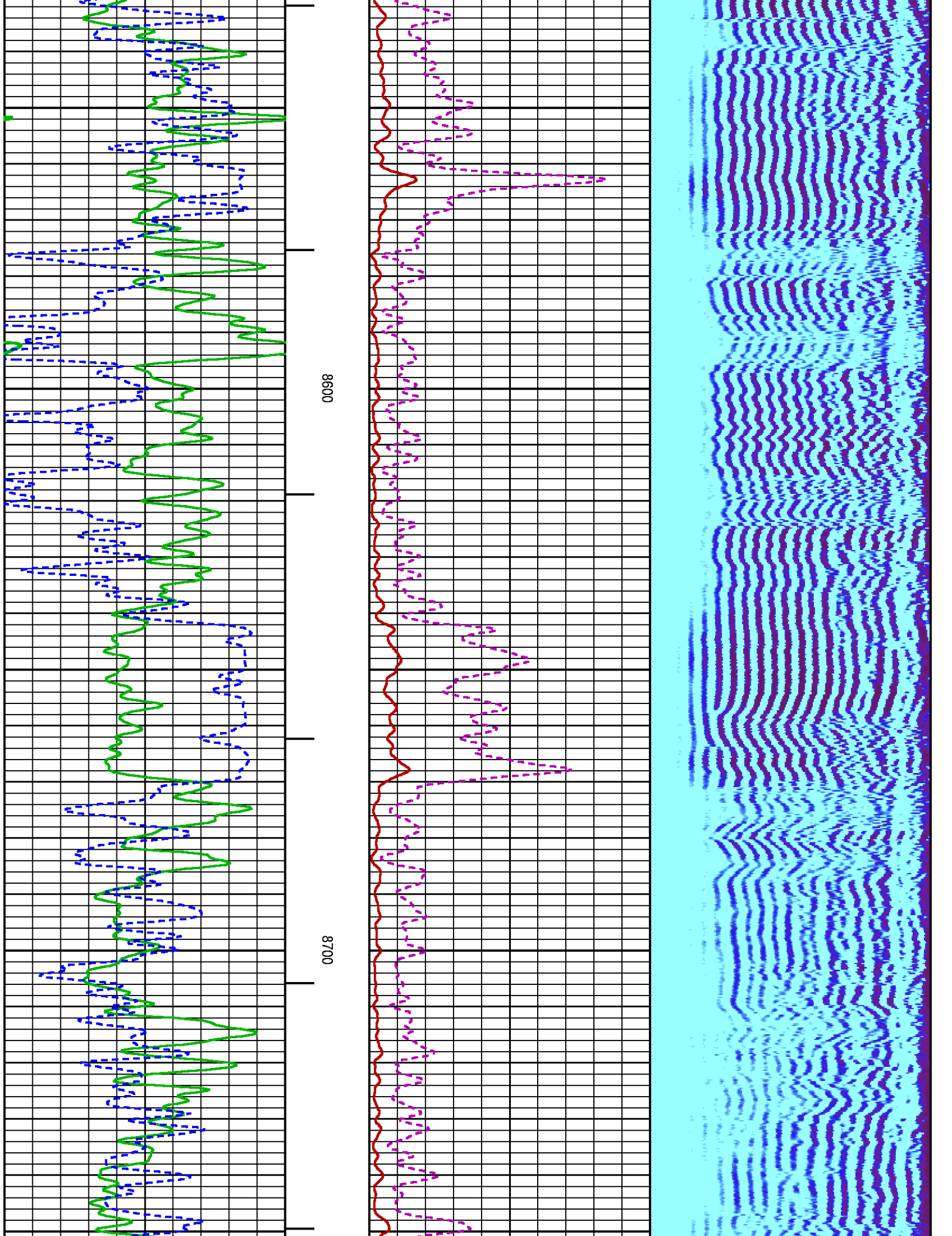


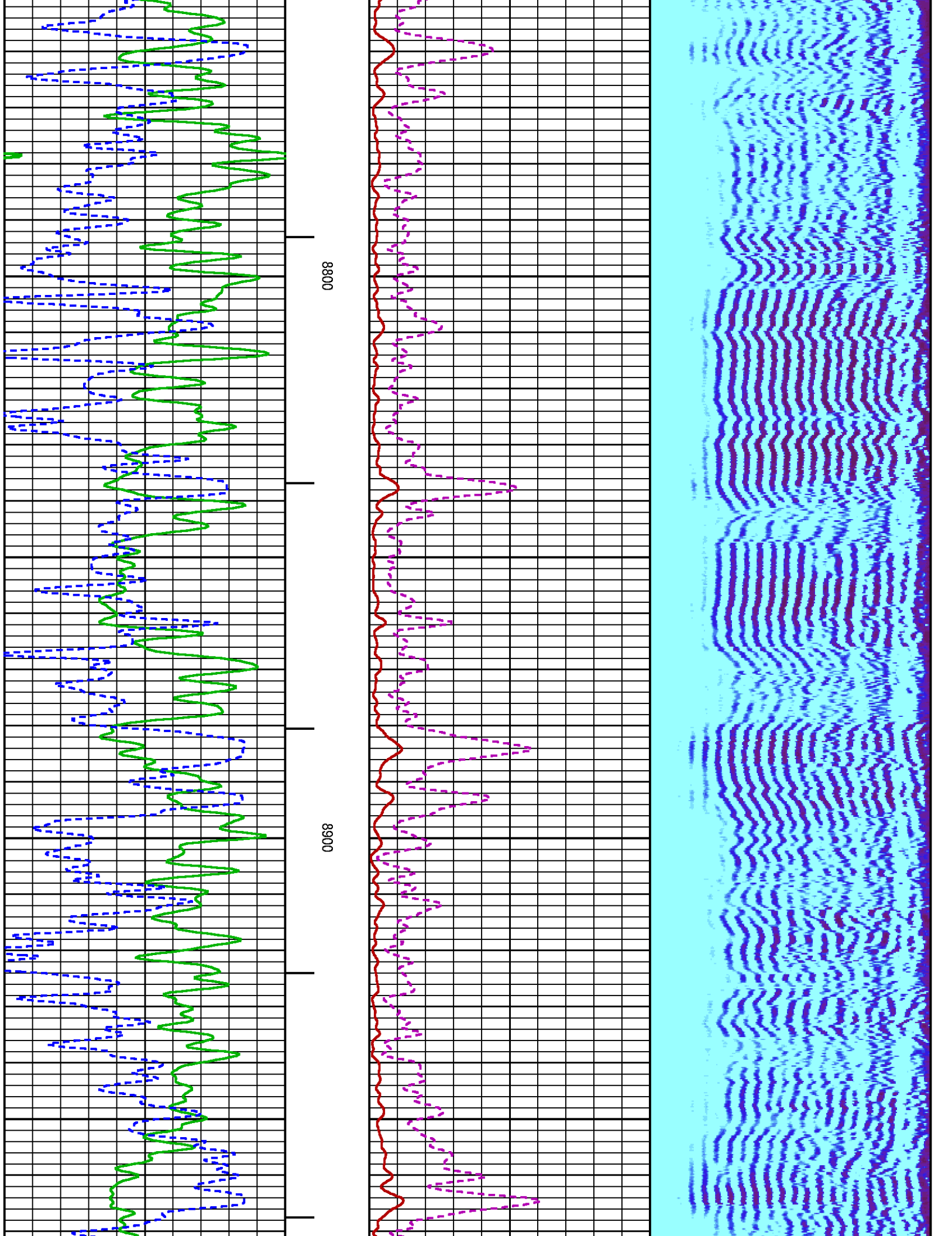


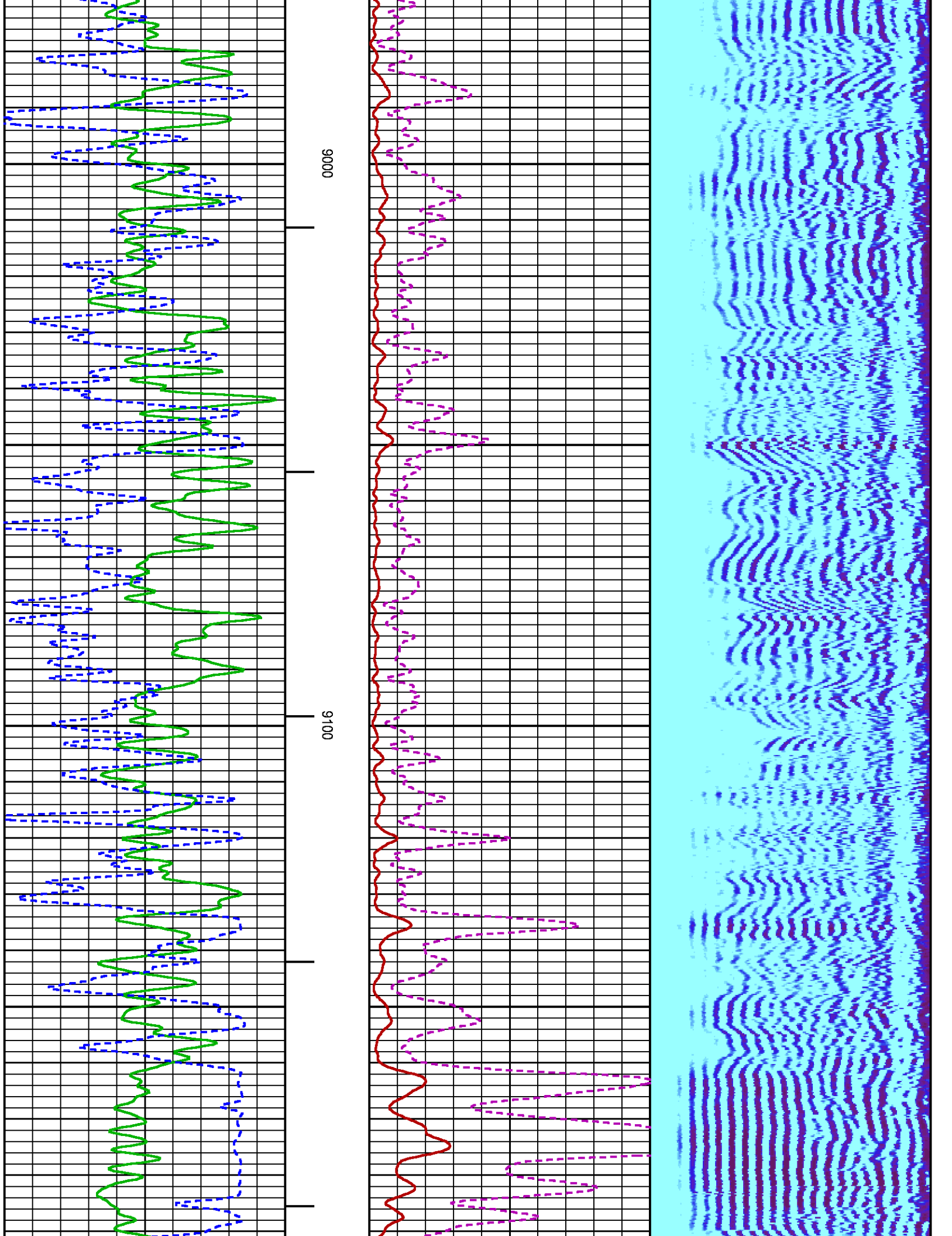


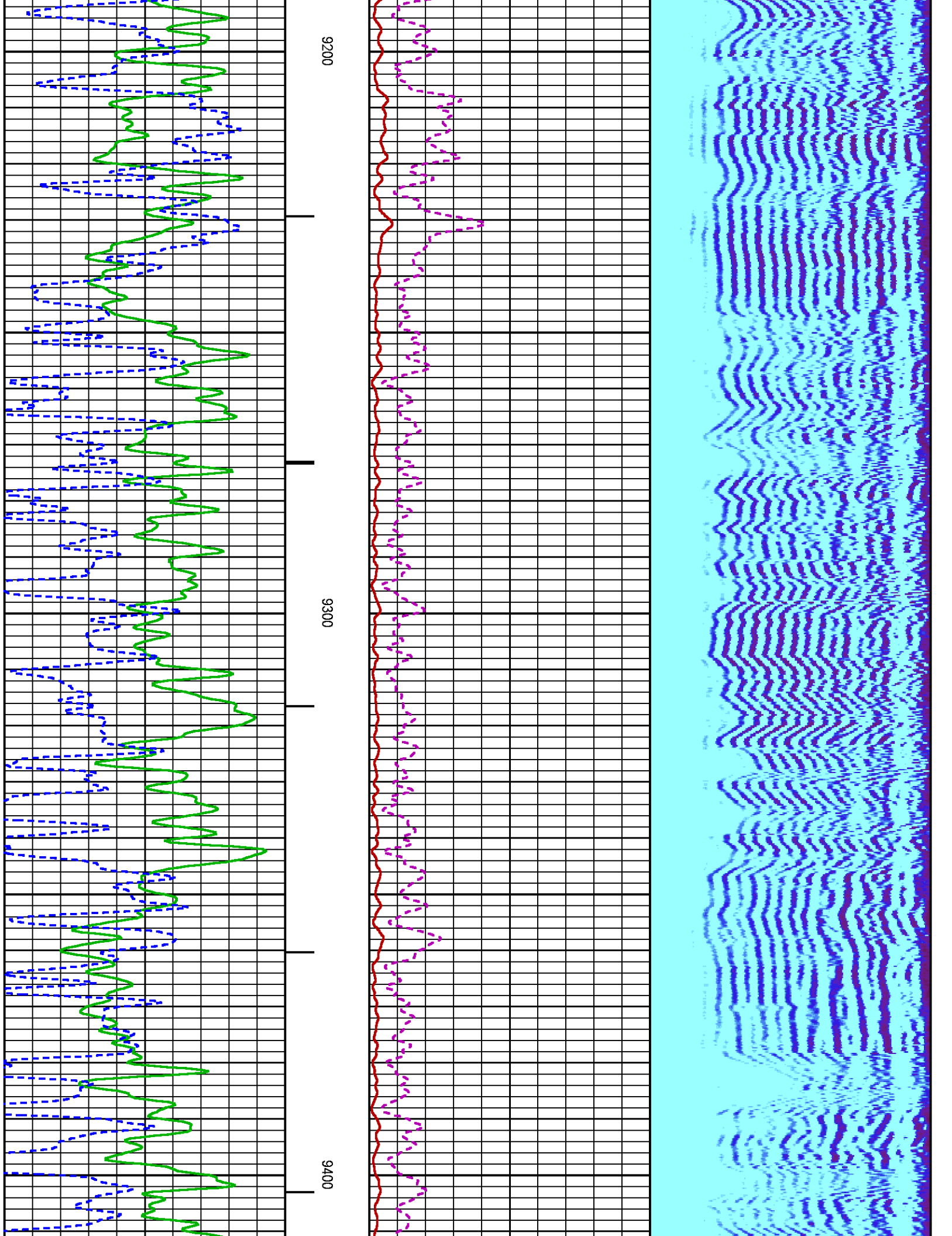


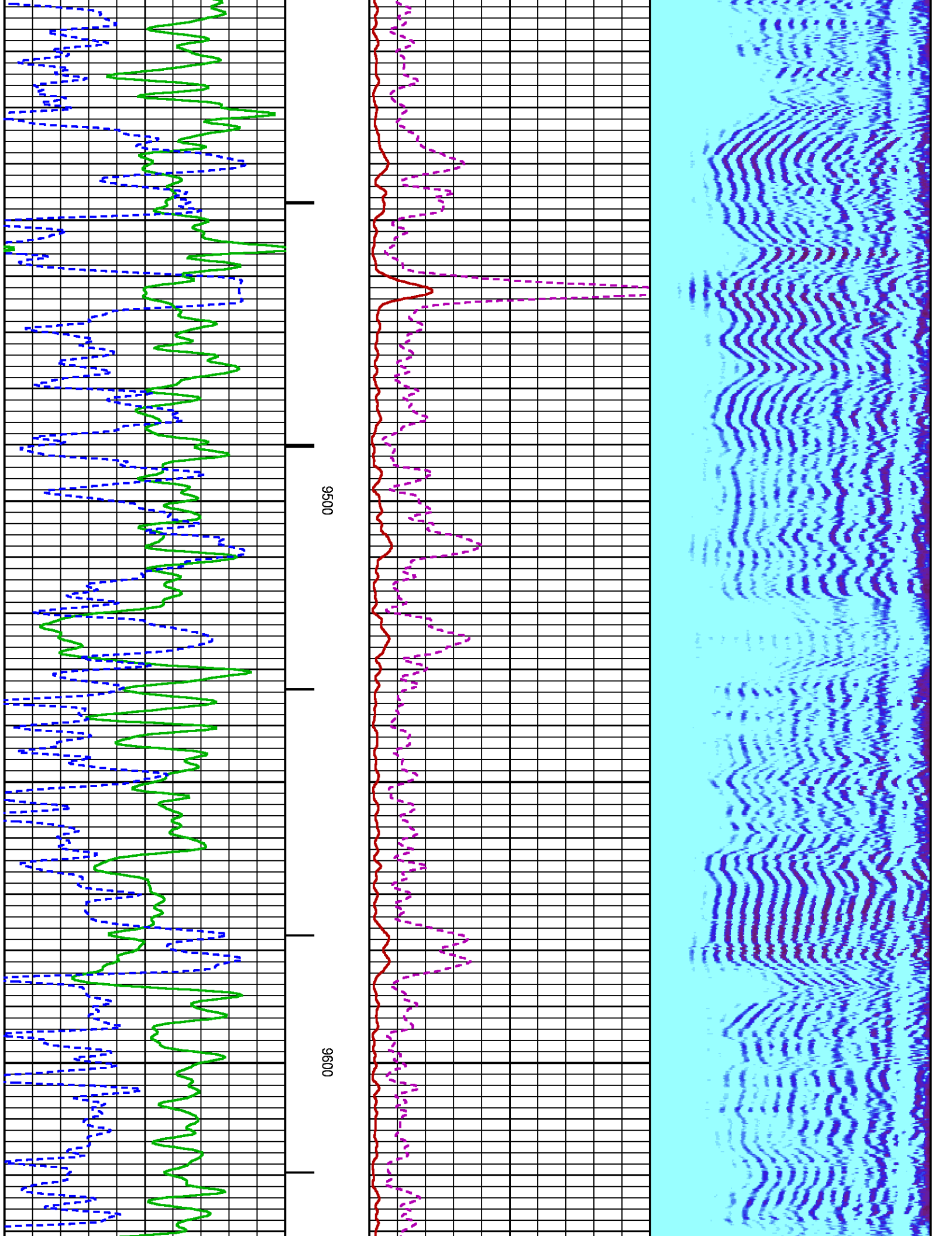


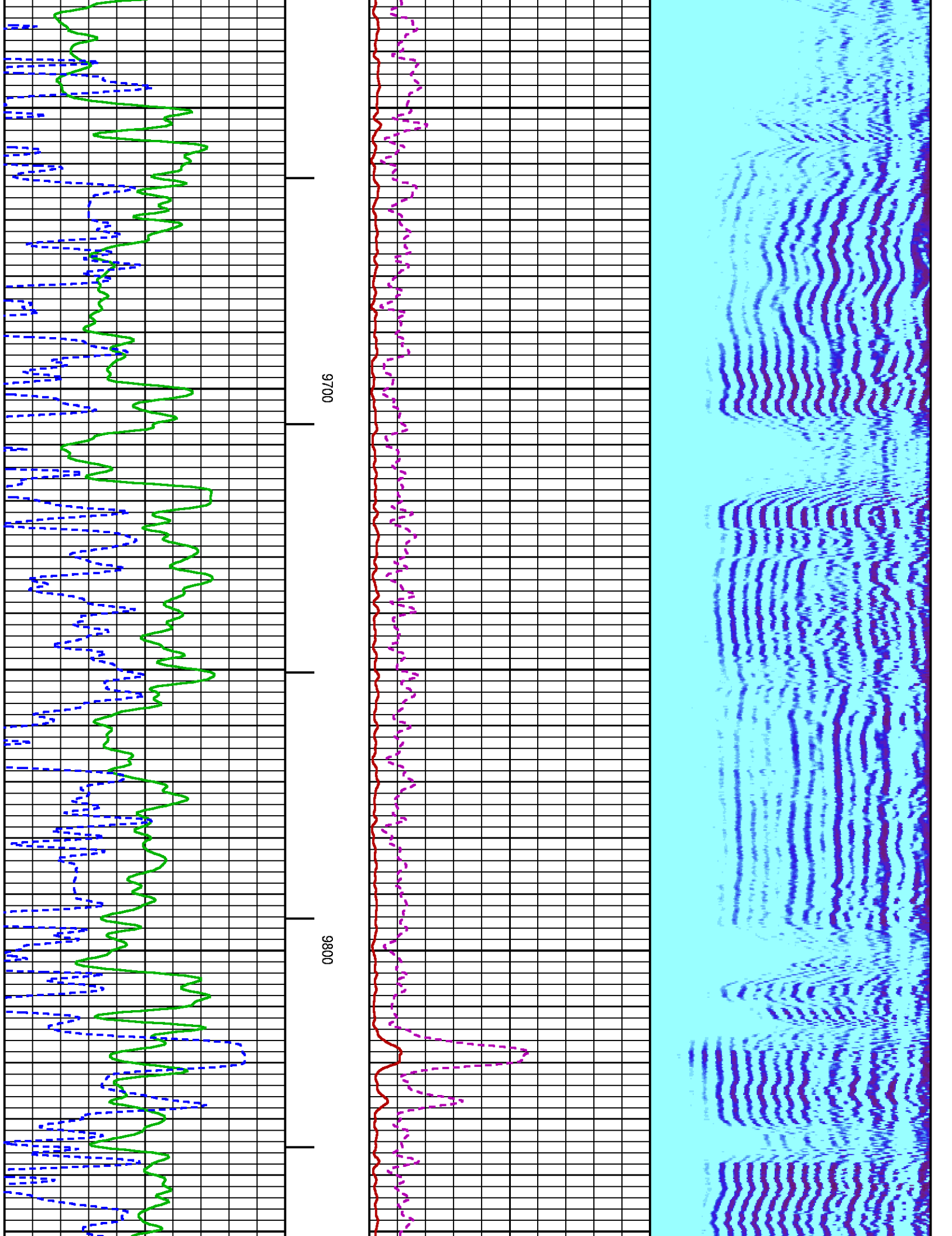


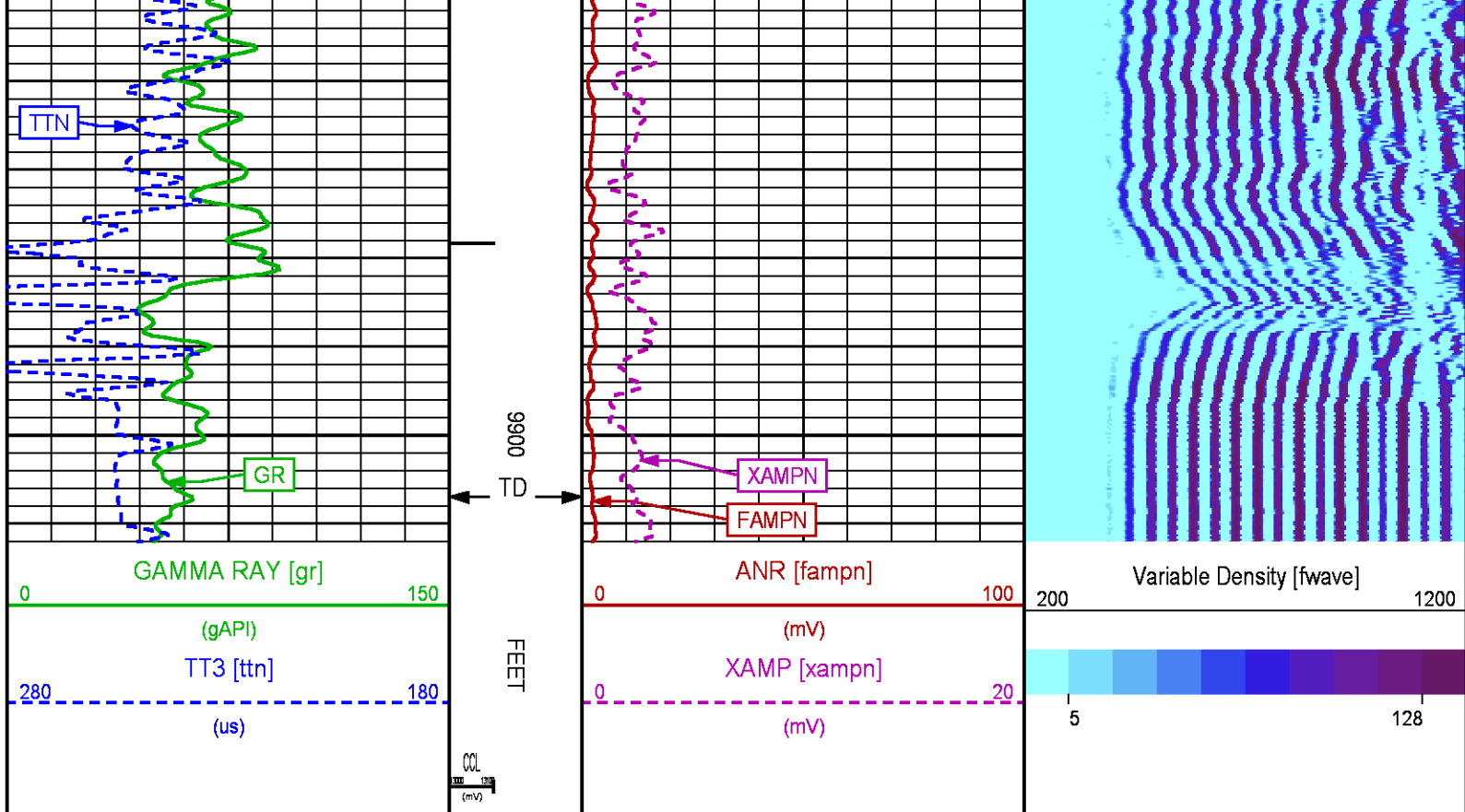












SECONDARY PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
 Updates: 1 Patches: 6

Plotted: Wed Apr 22 13:38:21 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH096028/n012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 30.250 ft BOTTOM DEPTH: 9934.250 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*)	186	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	186	us	"	"
	AMP WINDOW START (fgp3*)	186	us	"	"
	AMP WINDOW START (fgp4*)	186	us	"	"

	AMP WINDOW START (fgp4*)	186	us	"	"
	AMP WINDOW START (fgp5*)	186	us	"	"
	AMP WINDOW START (fgp6*)	186	us	"	"
	AMP WINDOW START (fgp7*)	186	us	"	"
	AMP WINDOW START (fgp8*)	186	us	"	"
	AMP WINDOW START (fgpn*)	186	us	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	179	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*)	-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	"	"

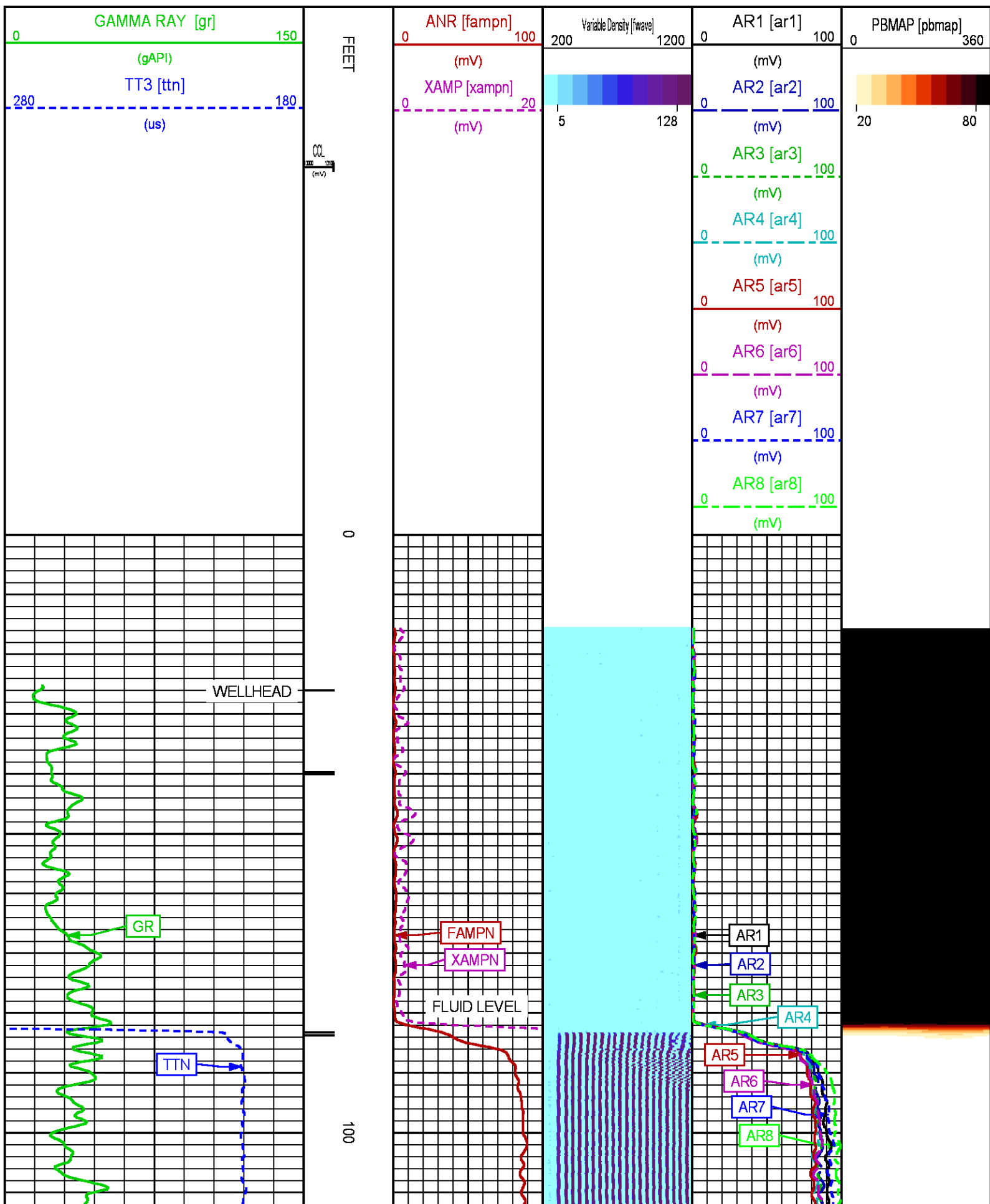
PERCENT BOND CEMENT MAP					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE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

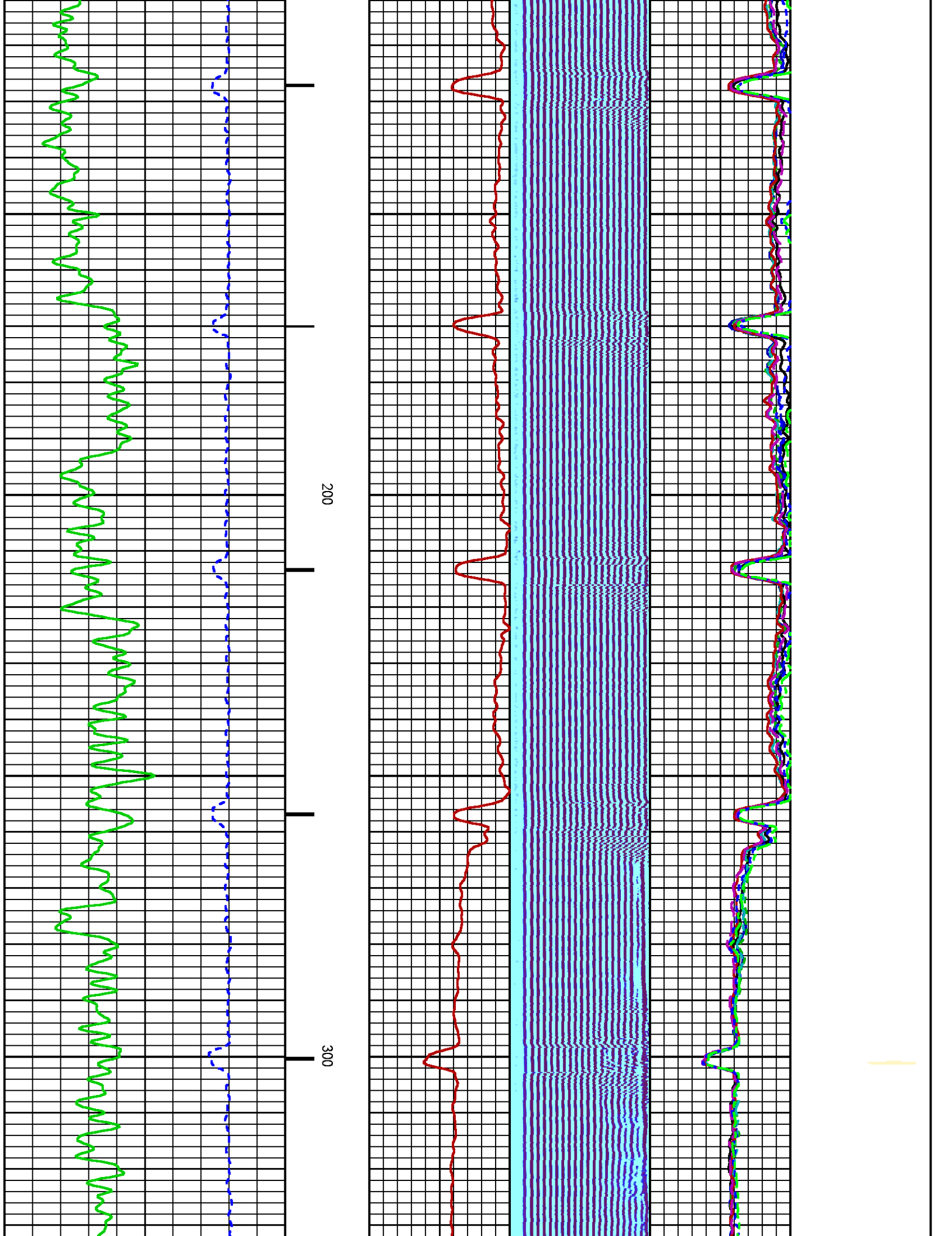
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Apr 22 08:52:16 2015	CASING COLLAR LOCATOR
F1:FAMPN	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Apr 22 08:52:16 2015	FAR WAVE FORM
F1:GR	Apr 22 08:52:16 2015	GAMMA RAY
F1:PBMAP	Apr 22 08:52:16 2015	PERCENT BOND CEMENT MAP
F1:TTN	Apr 22 08:52:16 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Apr 22 08:52:16 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

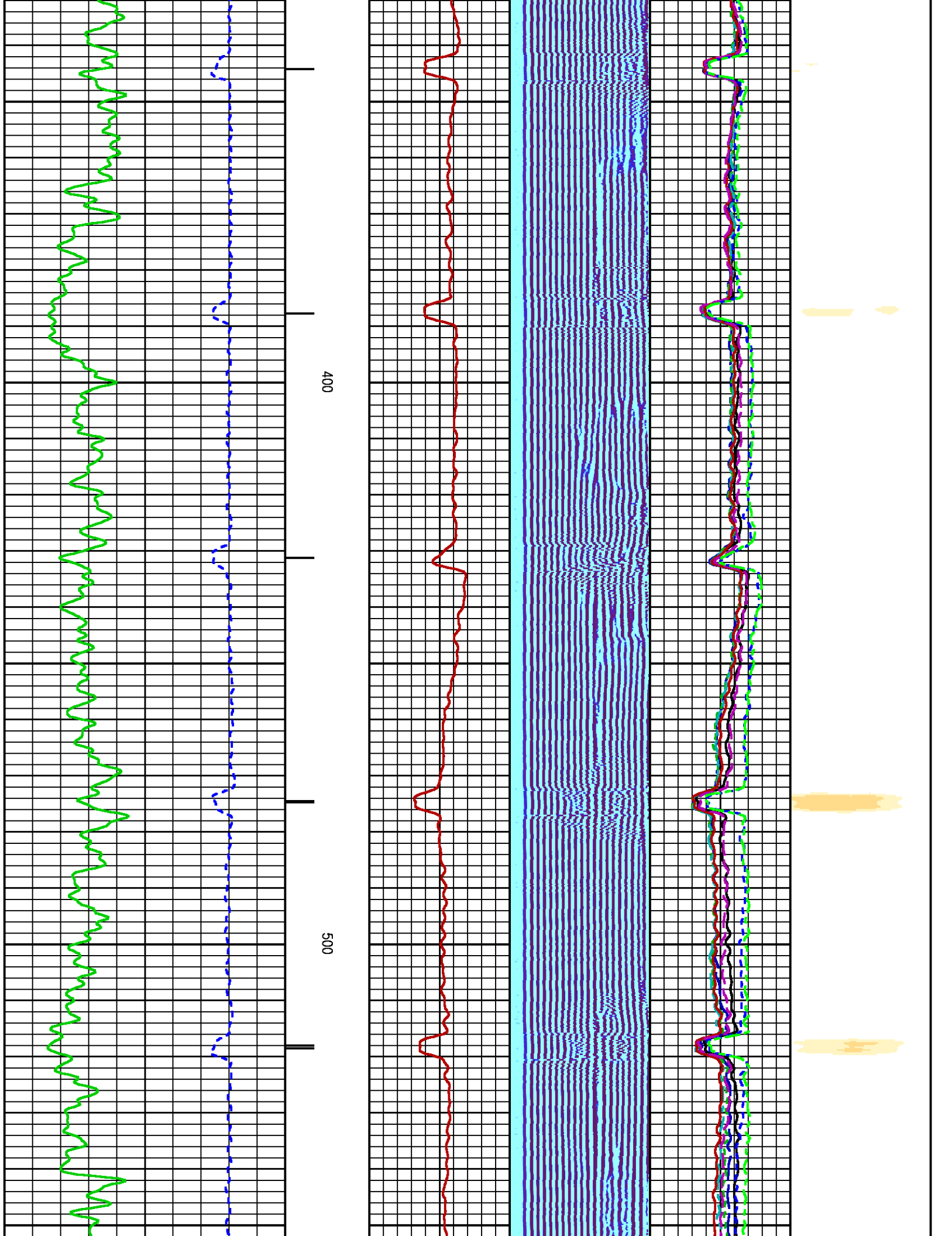
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	11.25	AR5	11.25	CCL	5.75	XAMPN	11.25
AR2	11.25	AR6	11.25	FAMPN	11.25		
AR3	11.25	AR7	11.25	GR	1.75		
AR4	11.25	AR8	11.25	TTN	11.25		

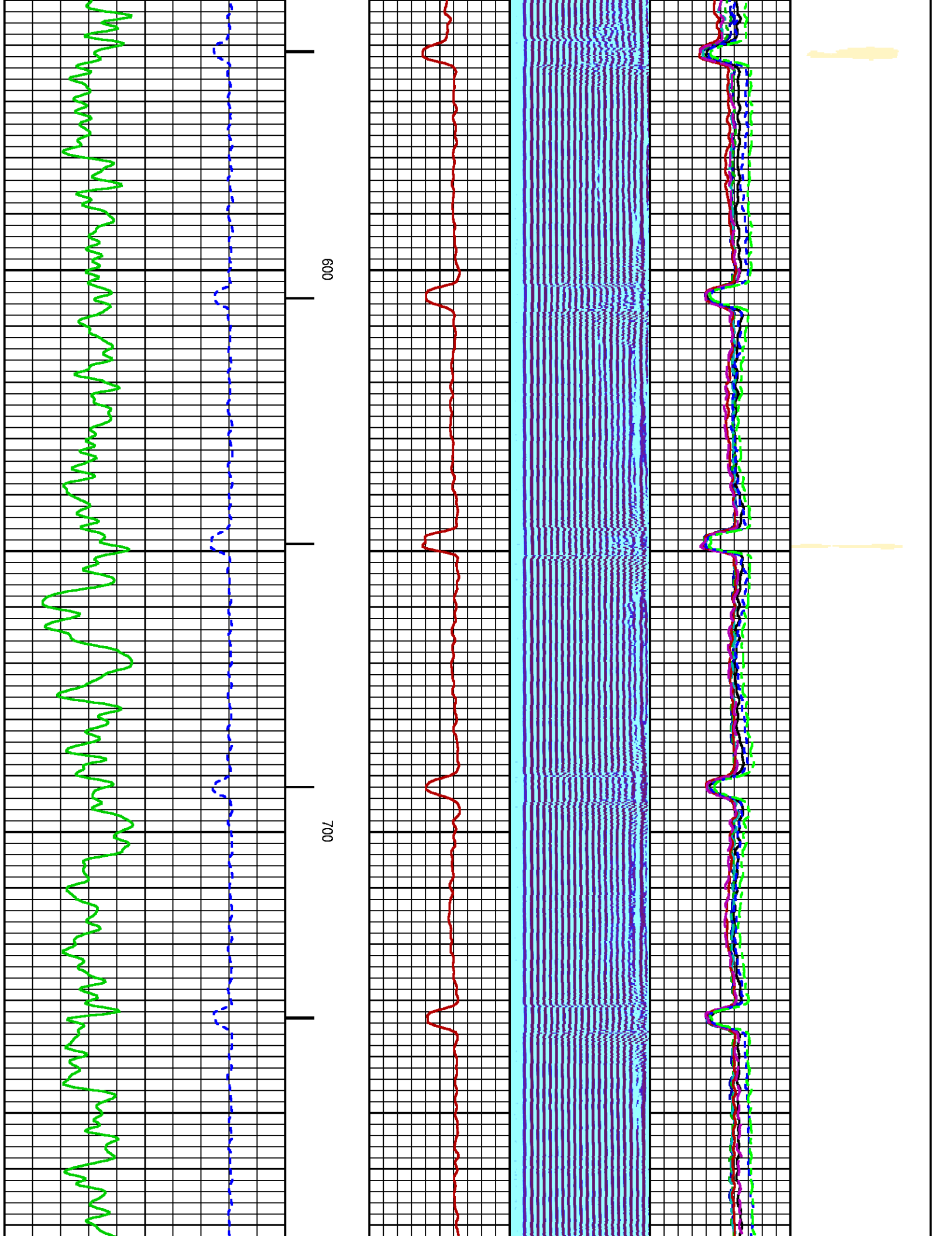
Presentation	: HL6670:/dat1a/CH096028/344CBL_SECONDARY.fvpdf [5"/100' Scale]
Plot Interval	: 0 - 9912 Feet
Data File 1	: F1 : HL6670:/dat1a/CH096028/344CBL_MAIN.xtf

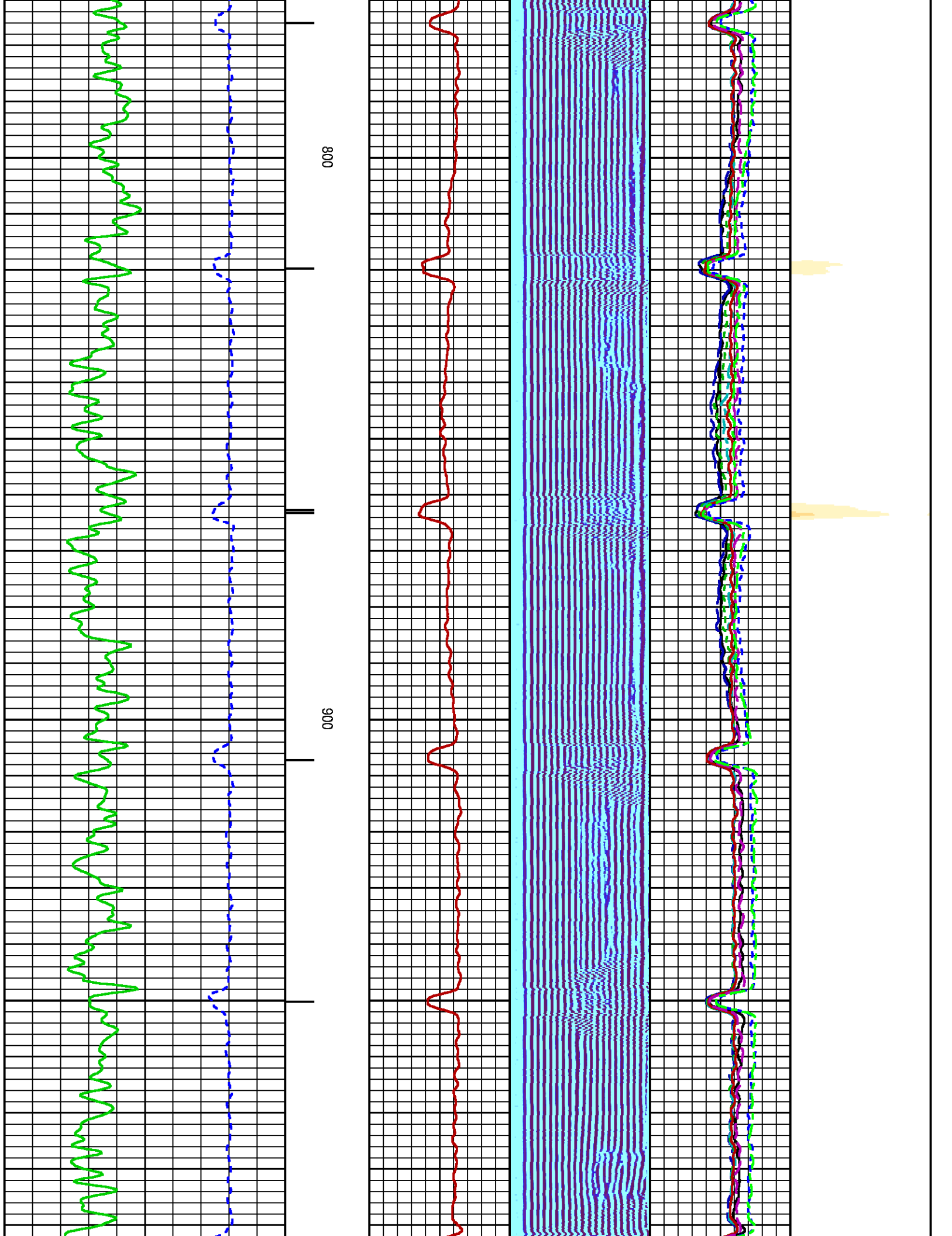
Created On : Apr 22 08:52:16 2015
Company : WPX ENERGY
Well : YOUNBERG RU 344-7
Field : RULISON
File Interval : 14.5 - 9930 Feet
OCT : n012g

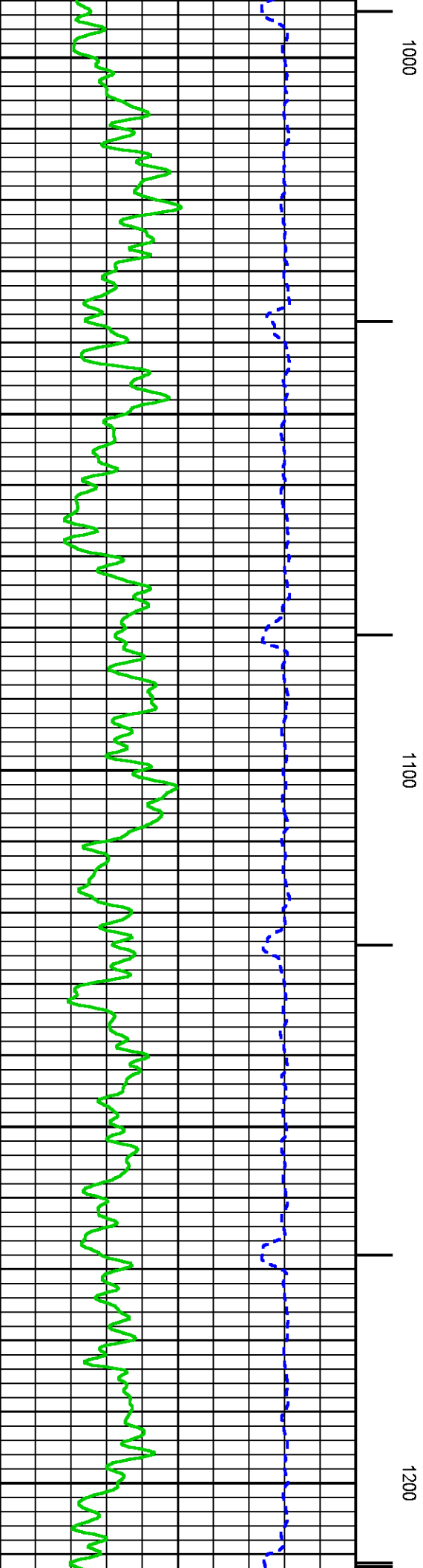
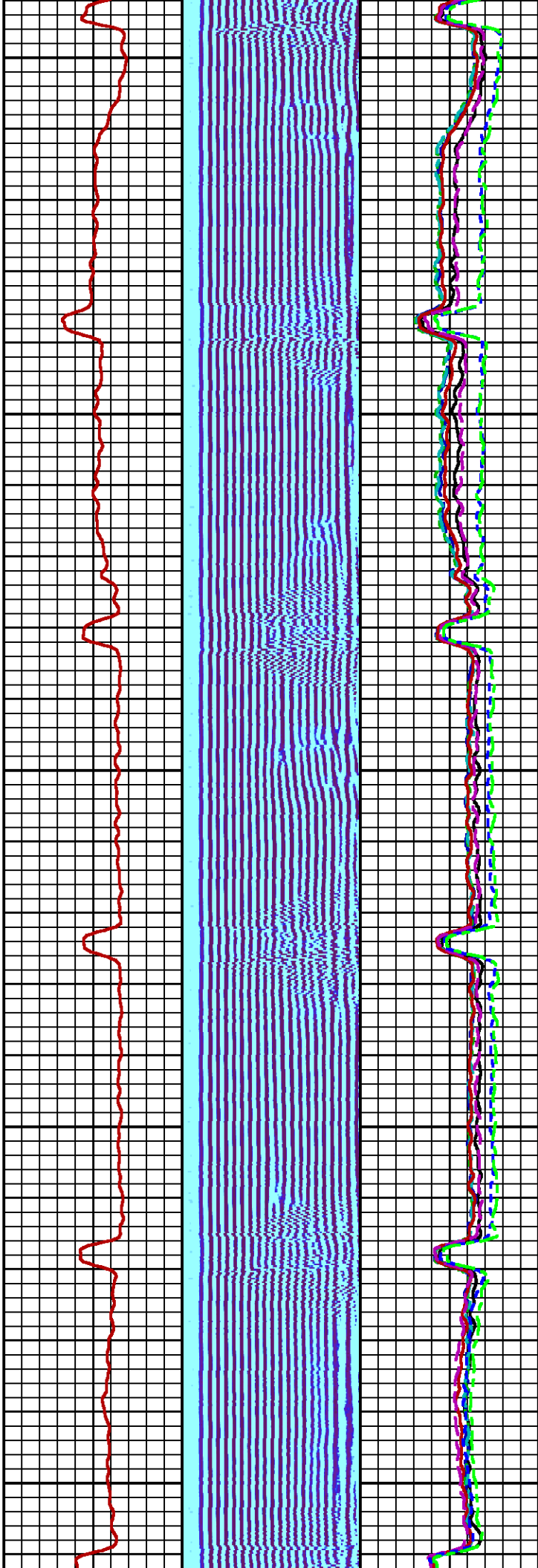


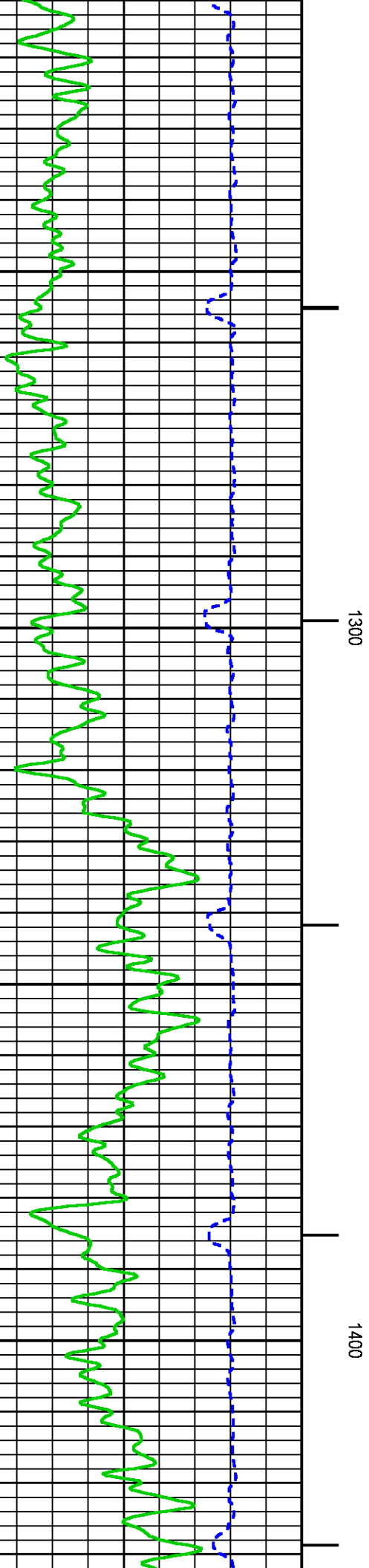
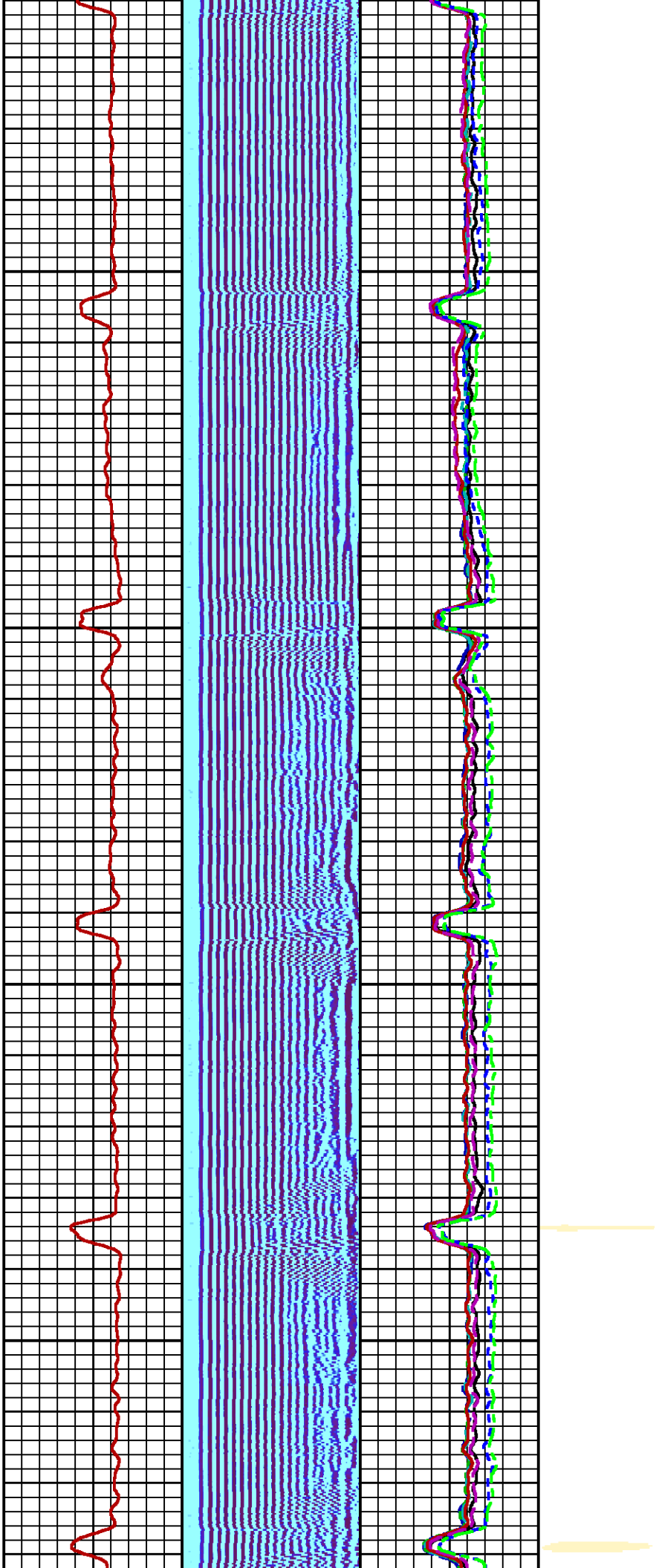


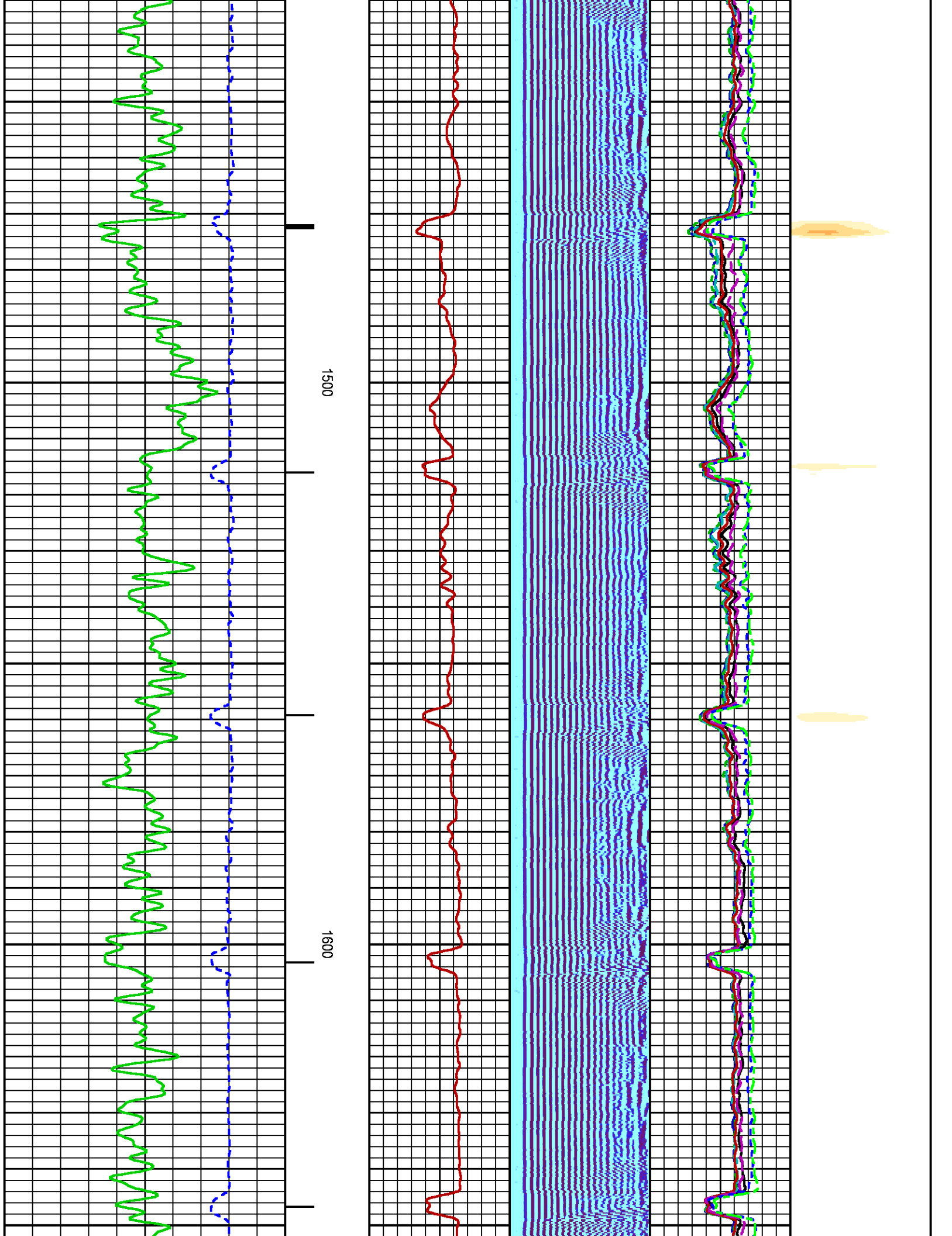


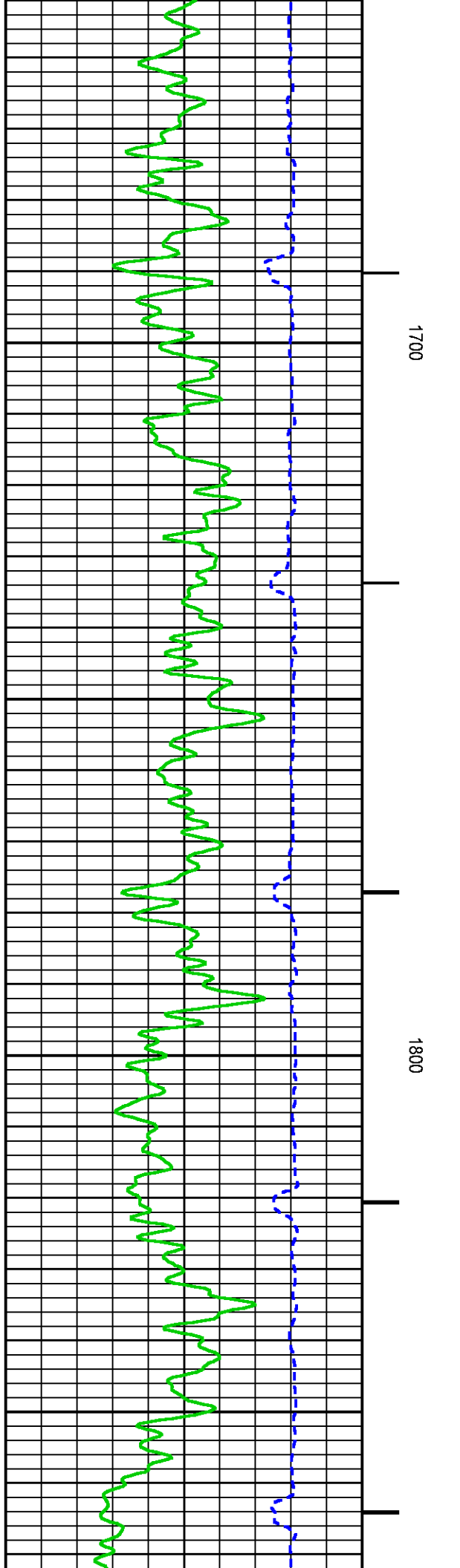
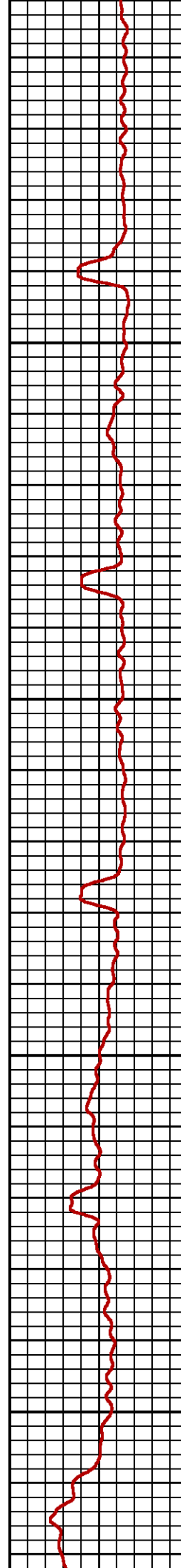
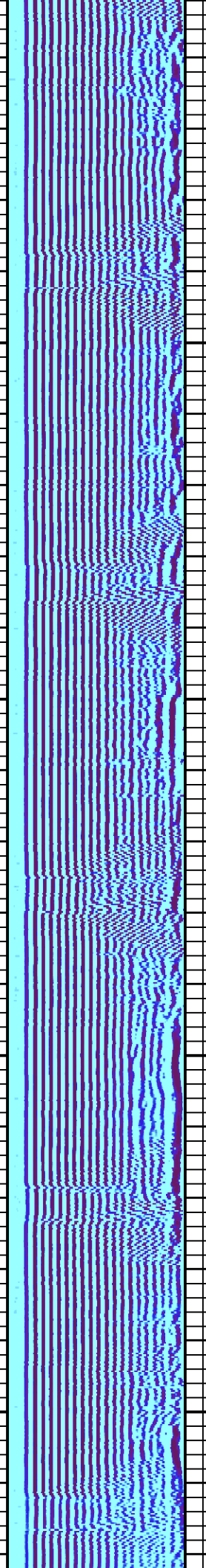
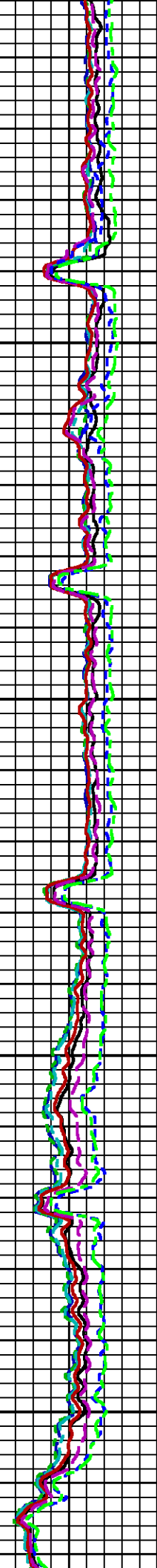
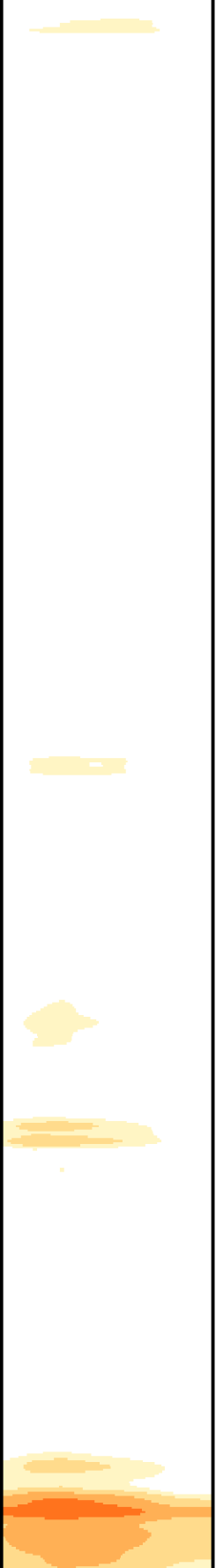


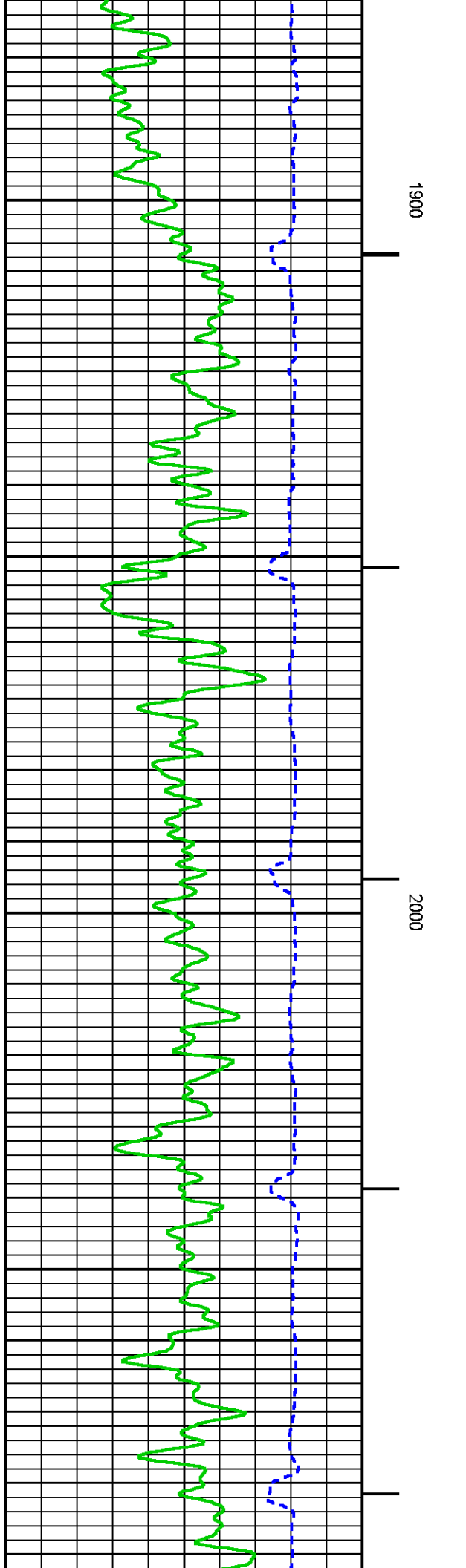
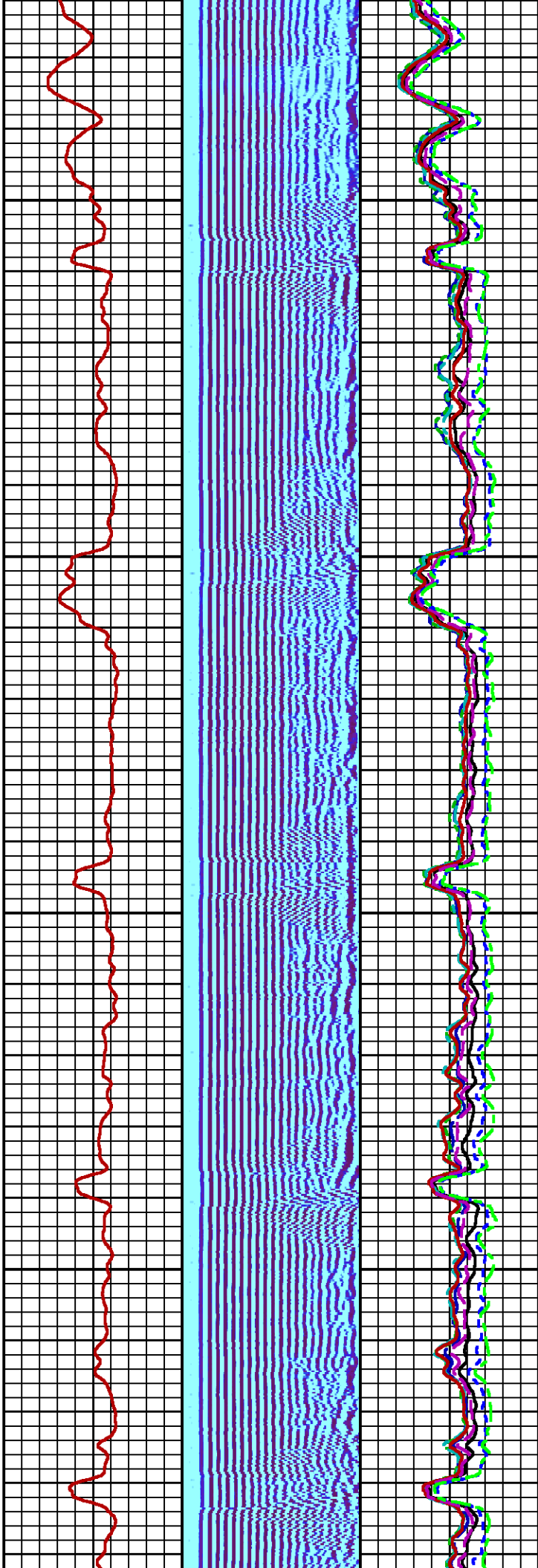
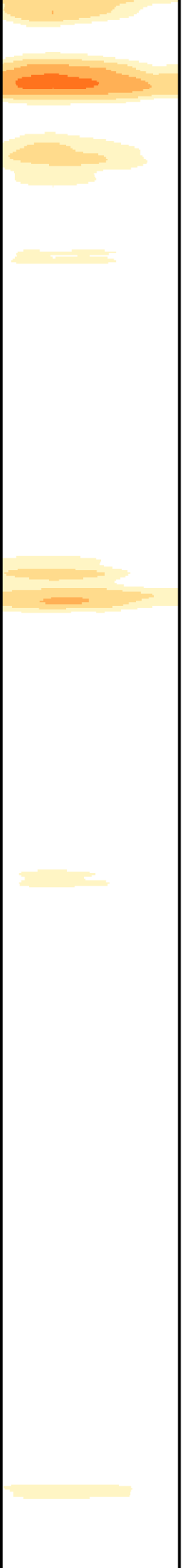


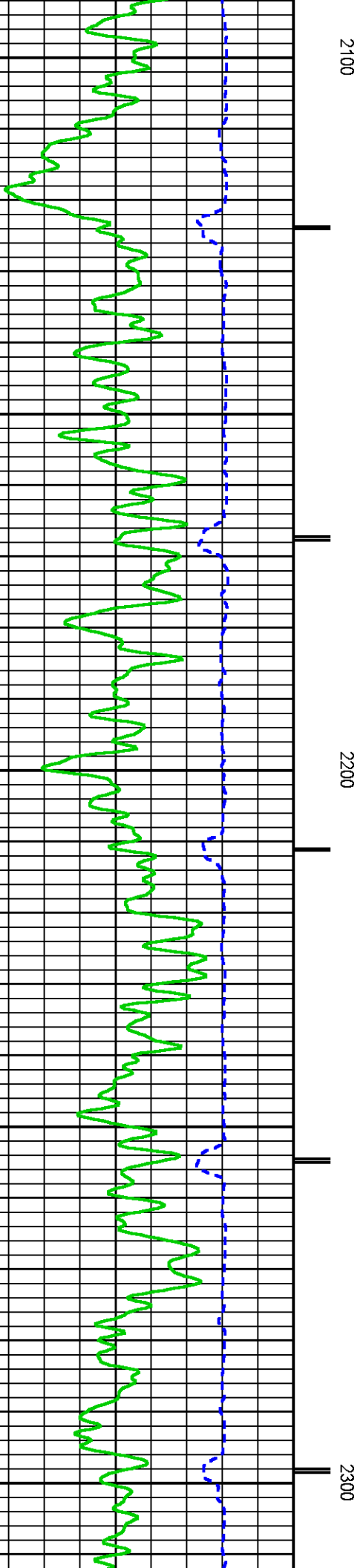
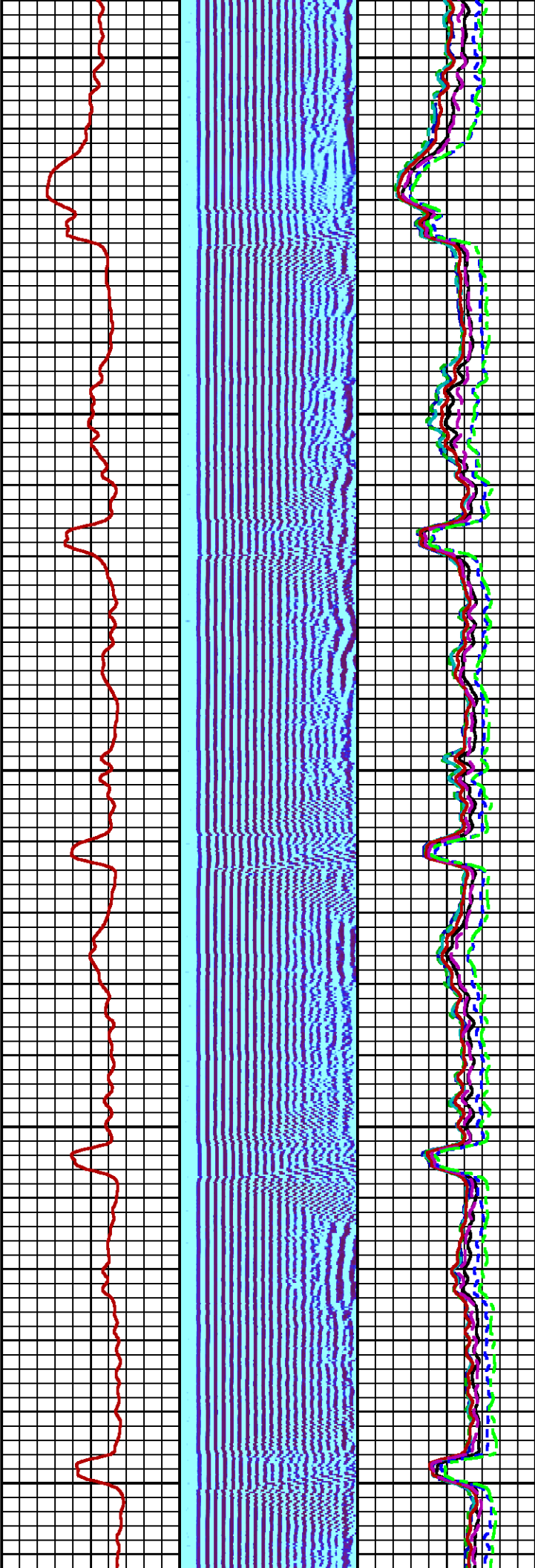
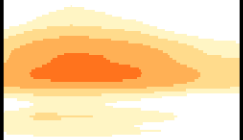


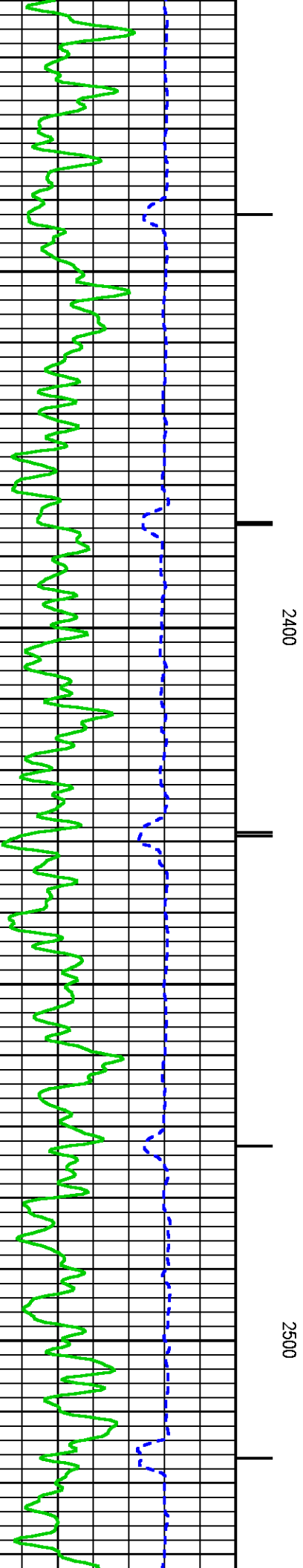
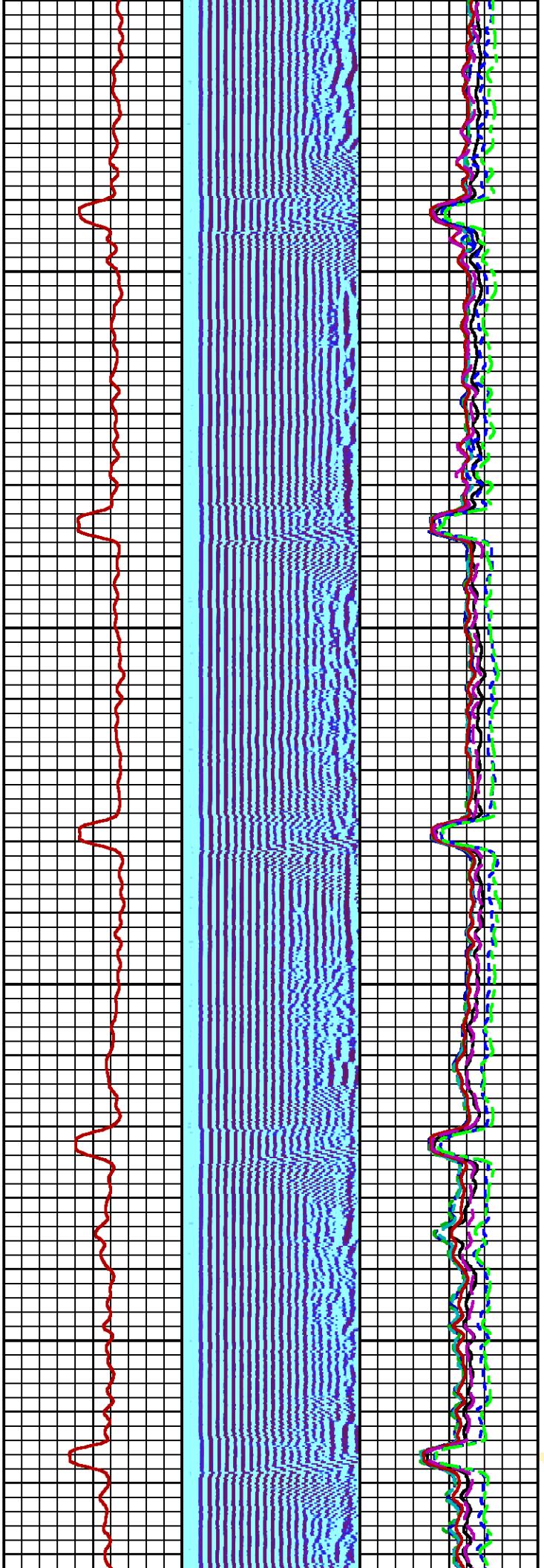


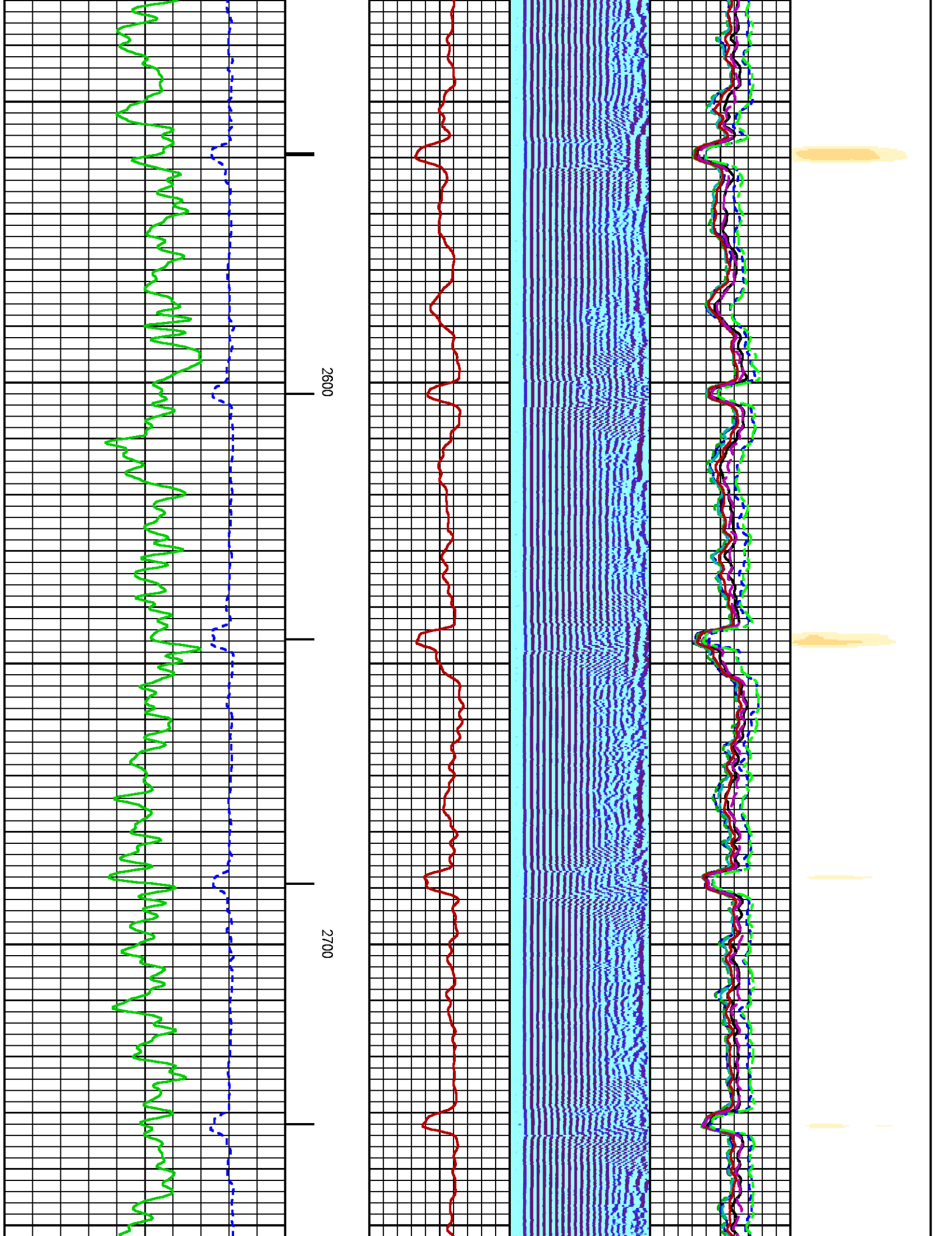


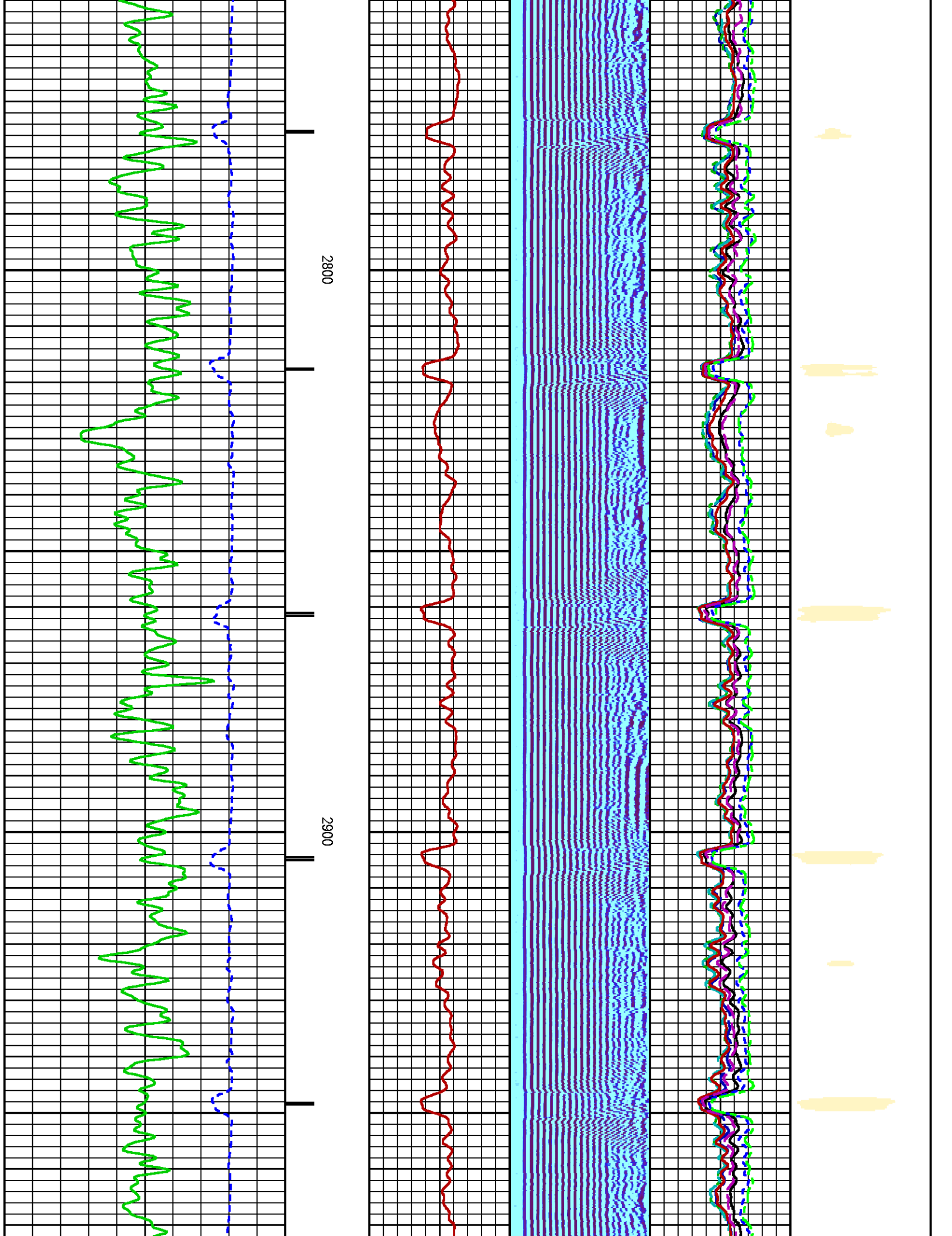


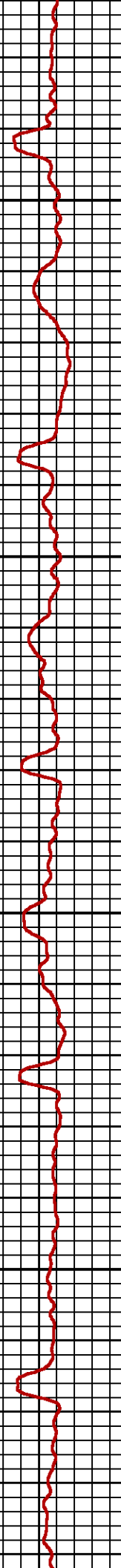
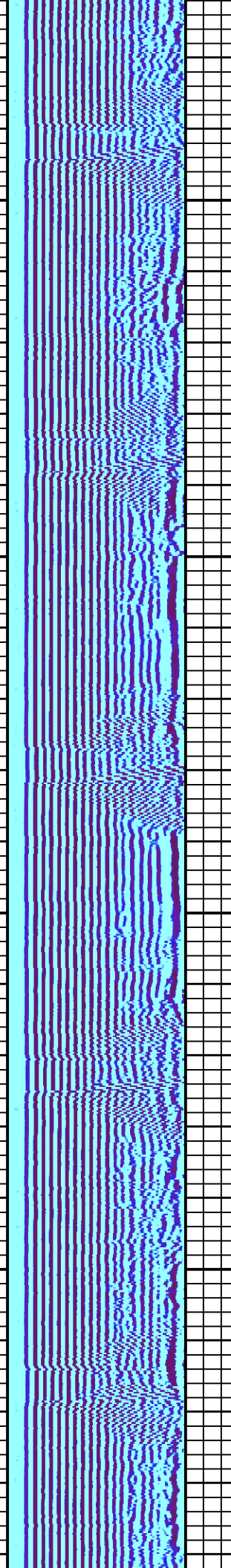
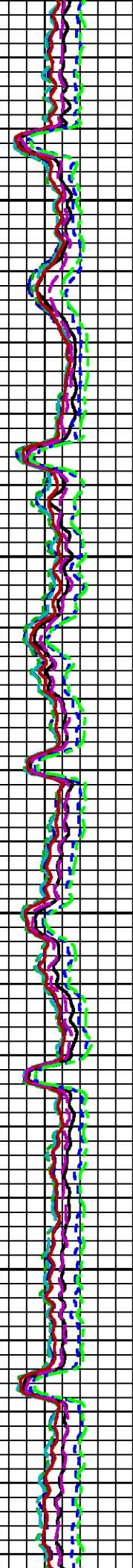






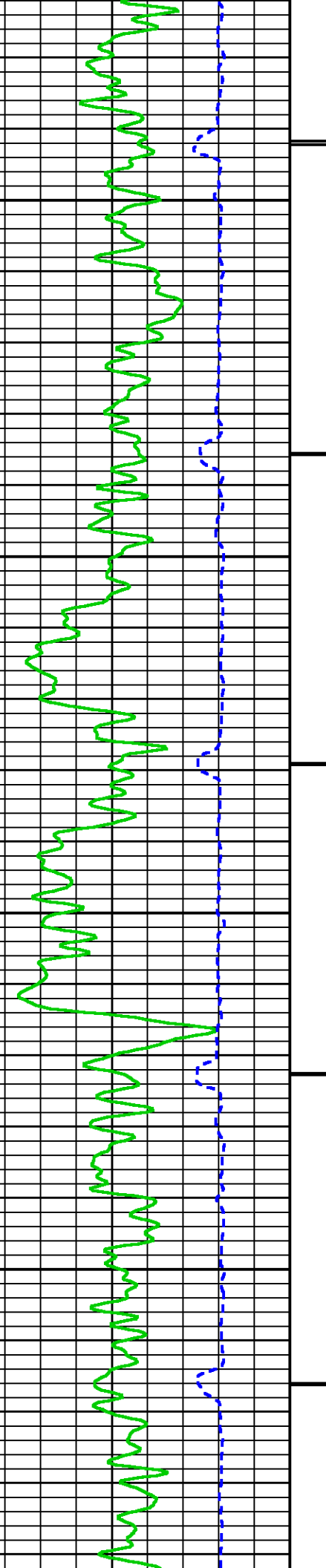


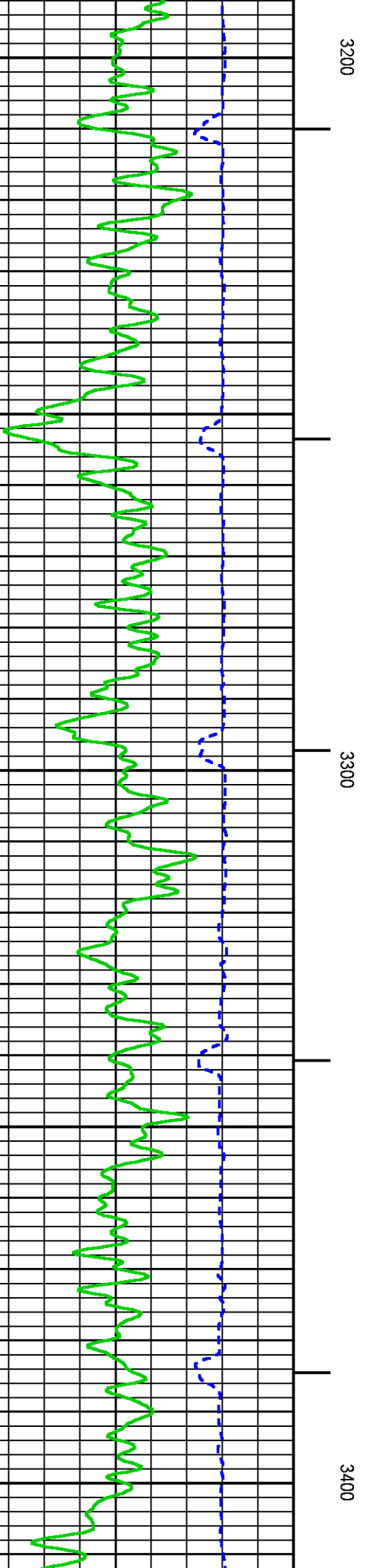
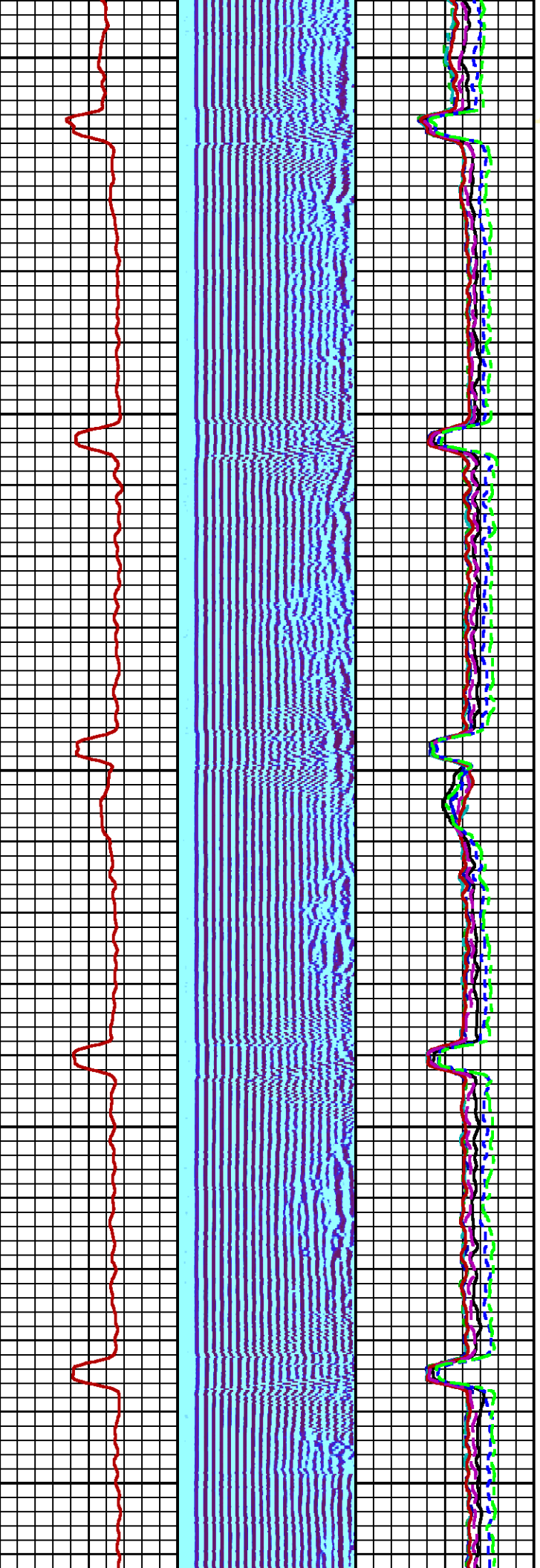


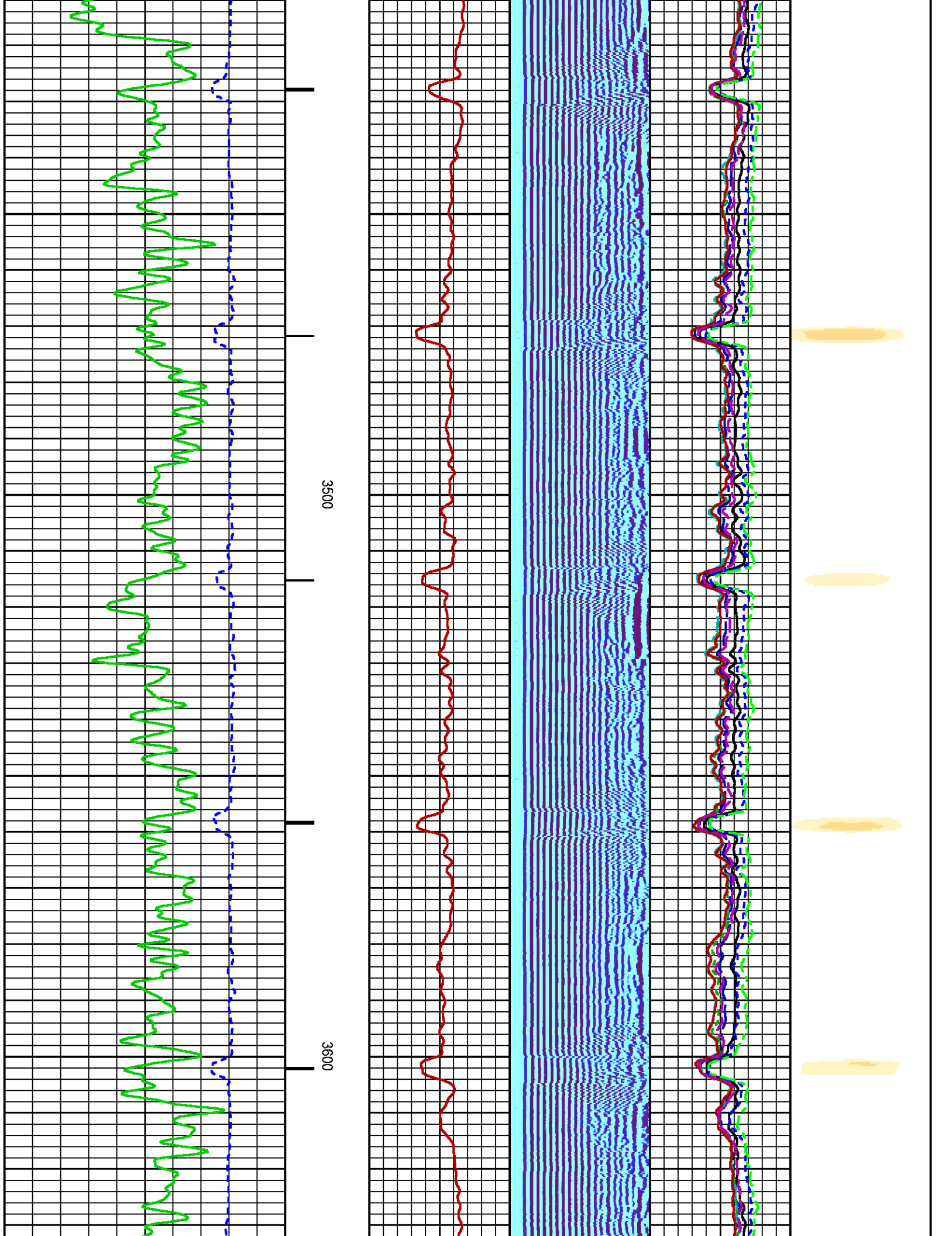


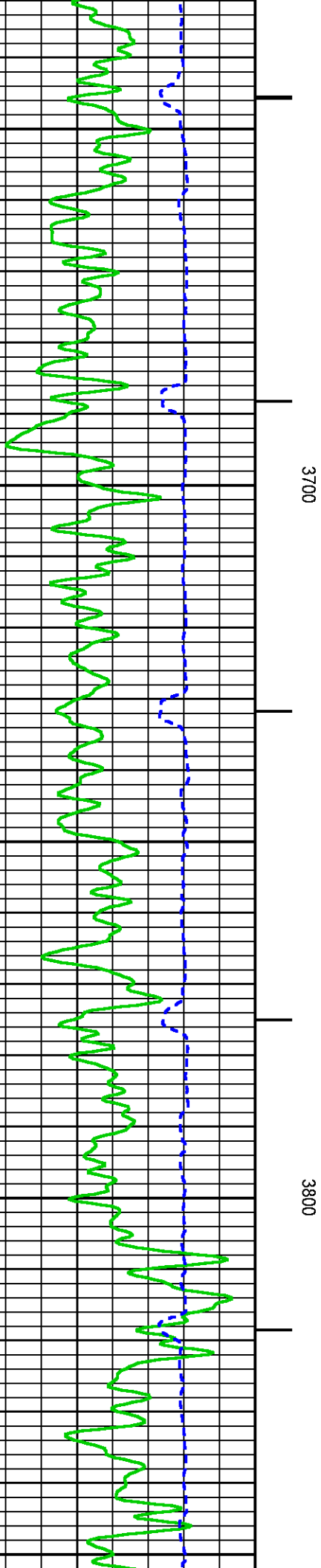
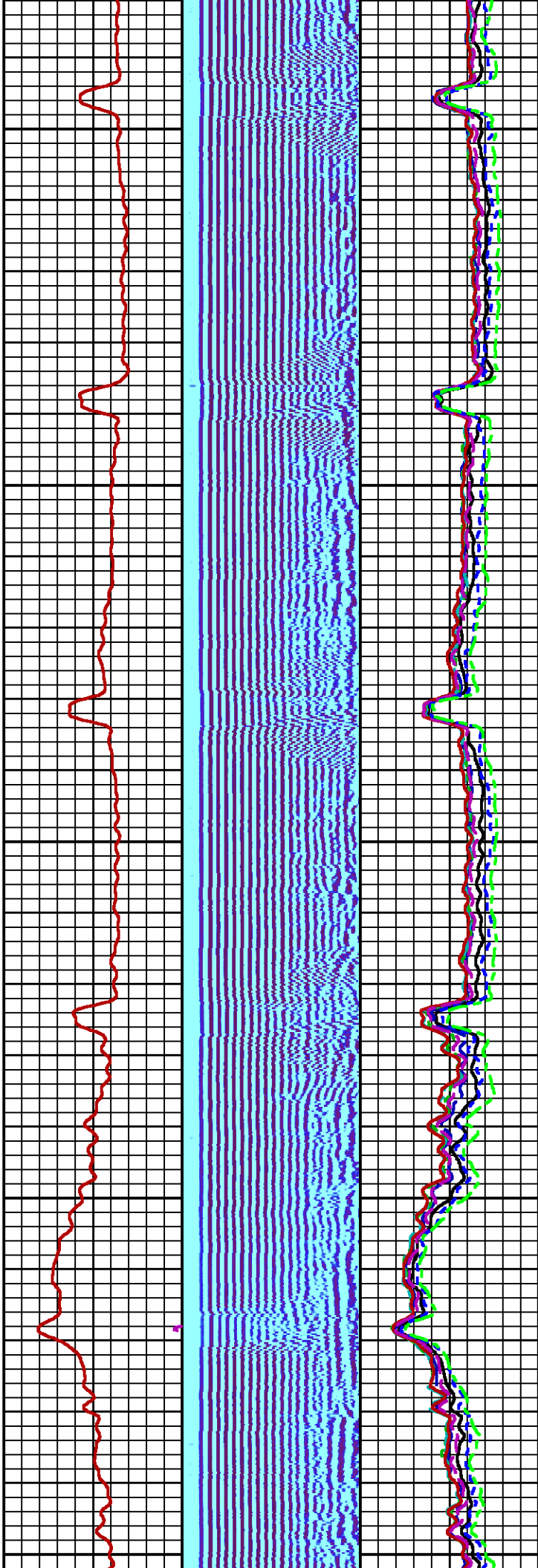
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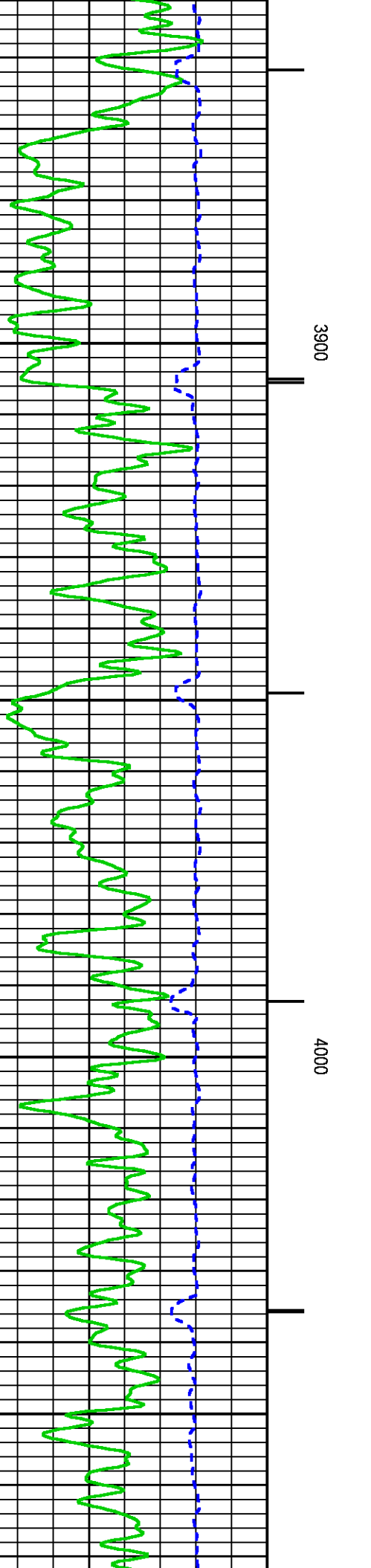
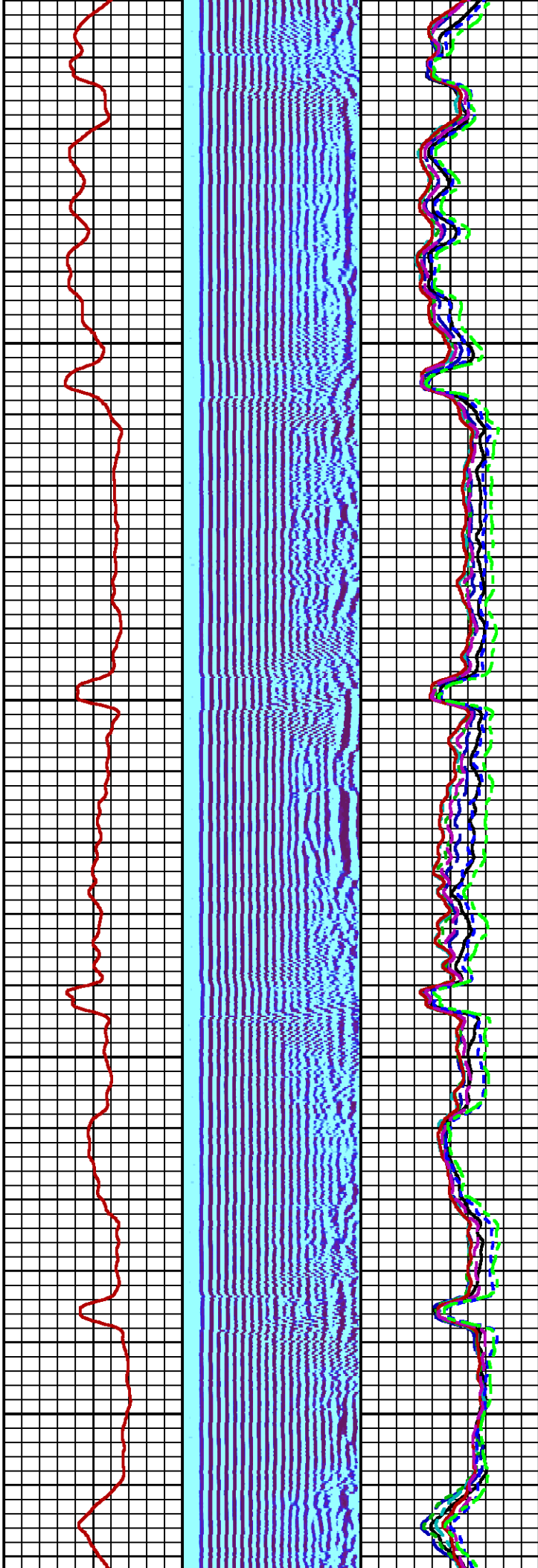
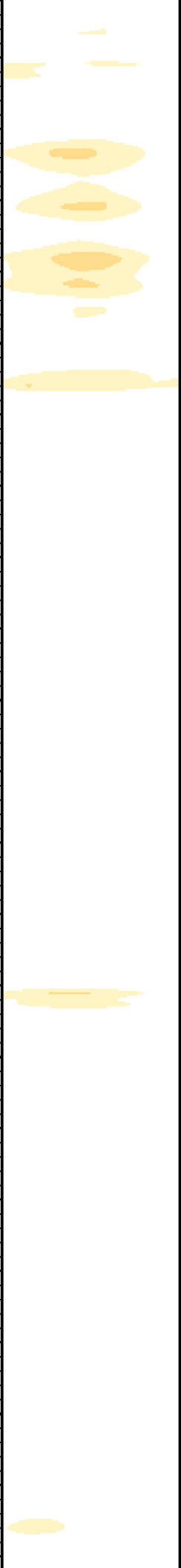
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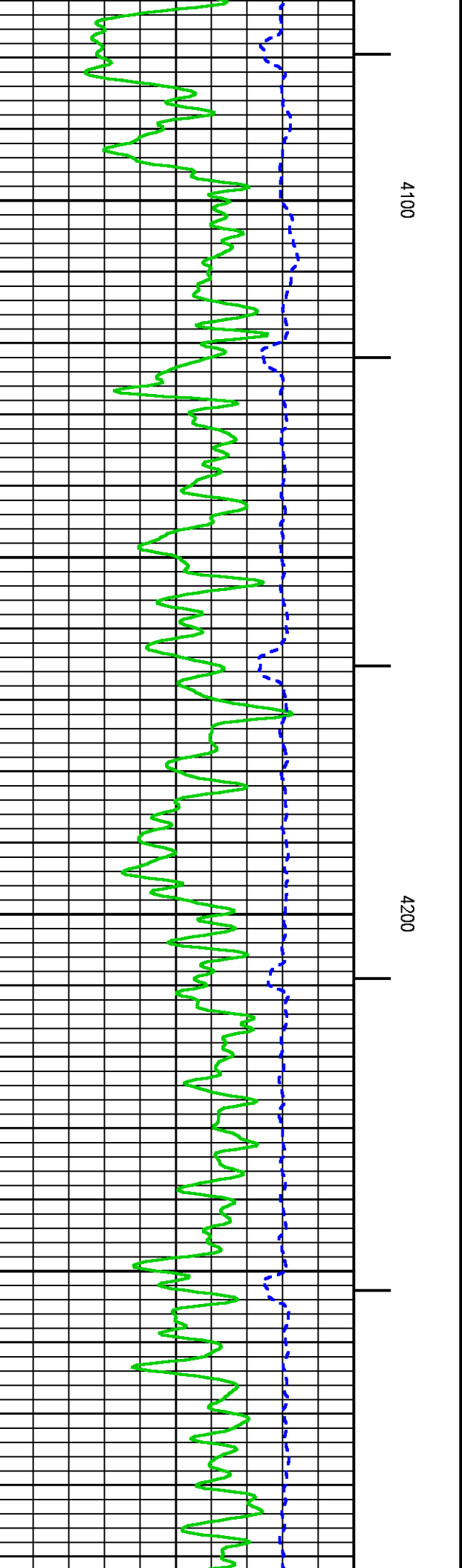
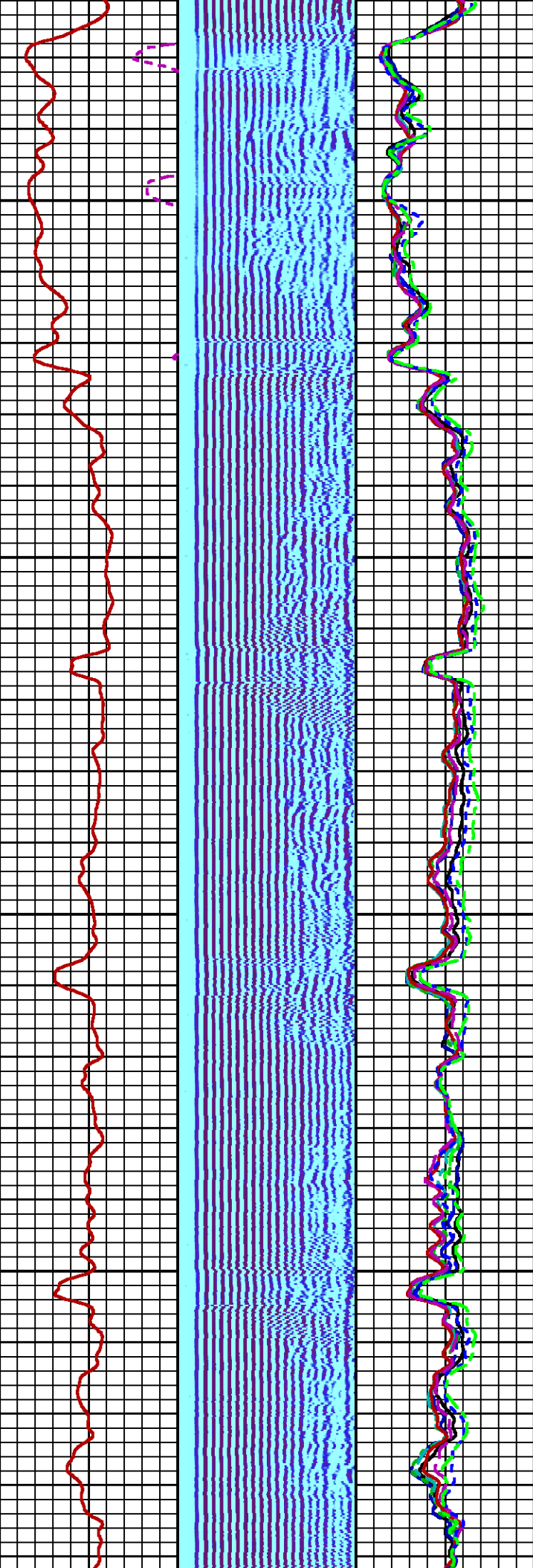
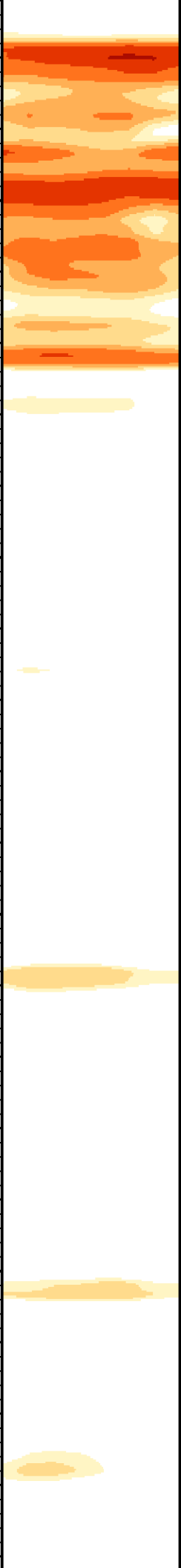


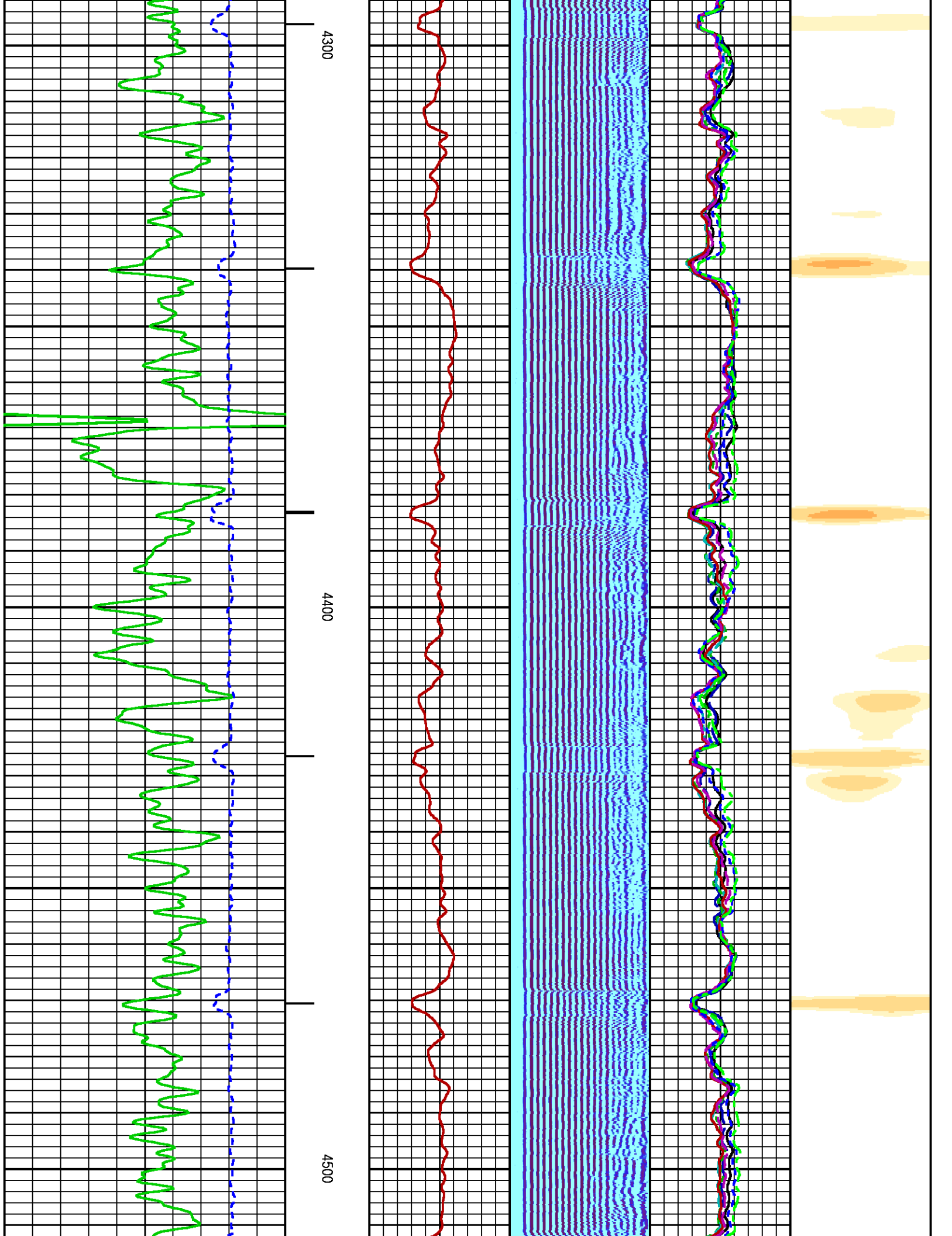


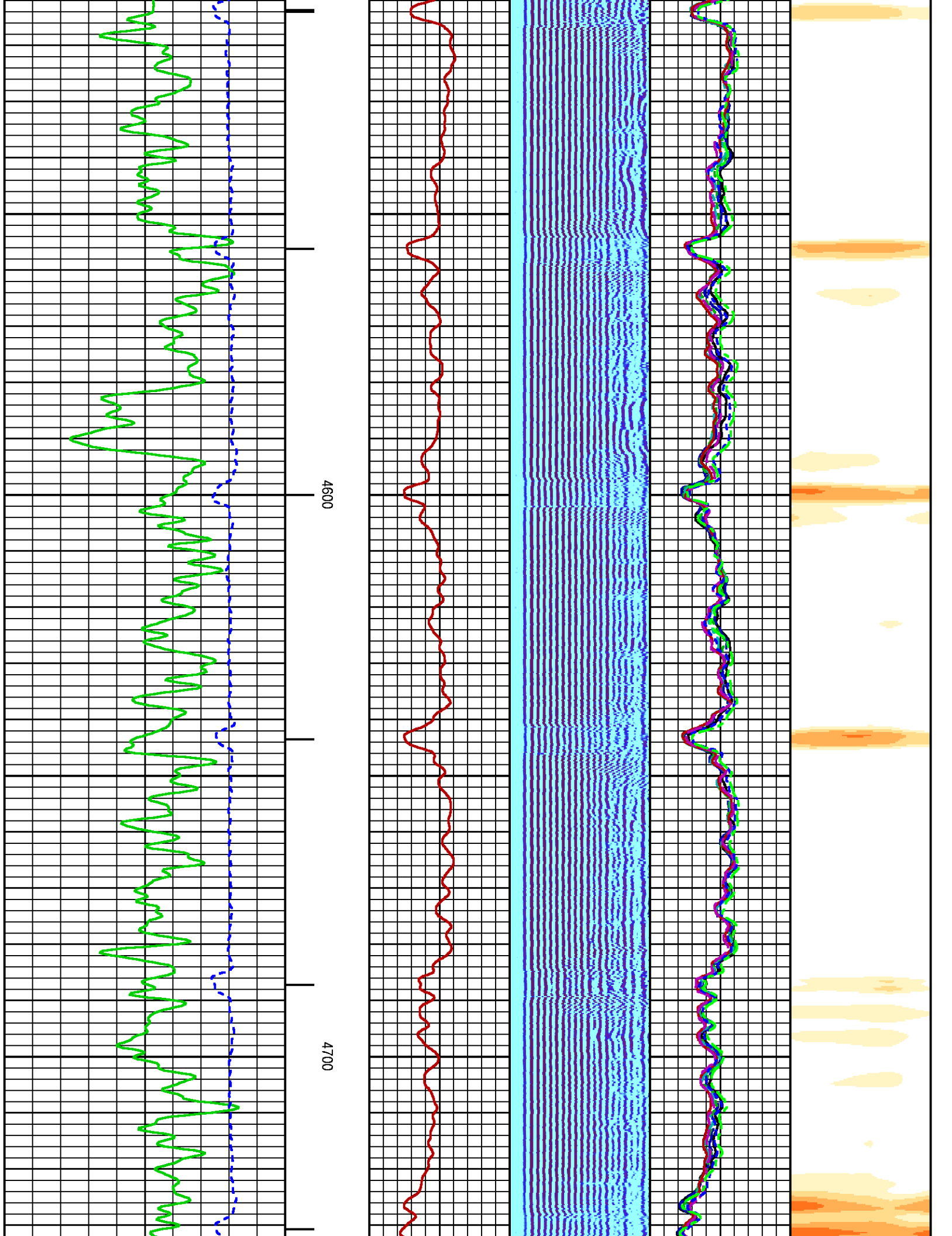


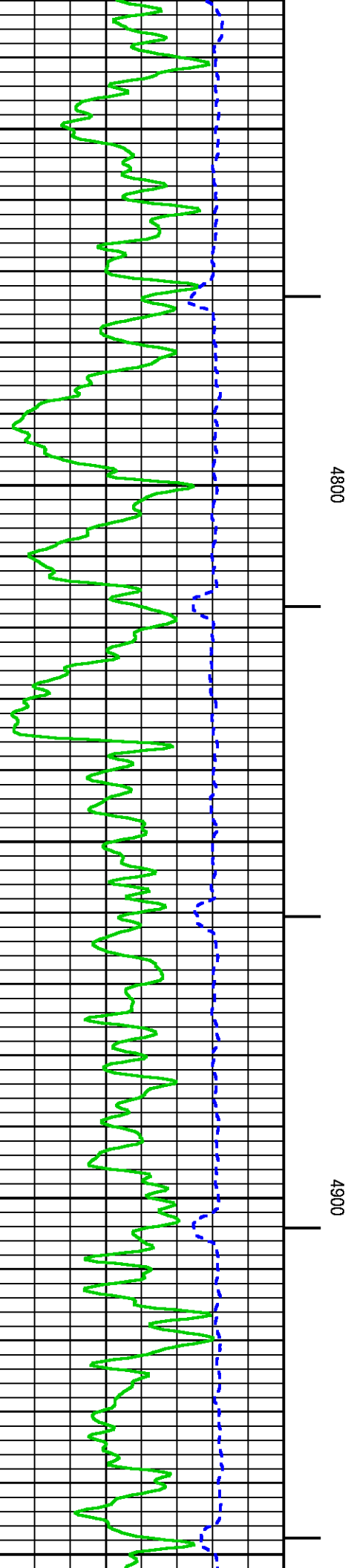
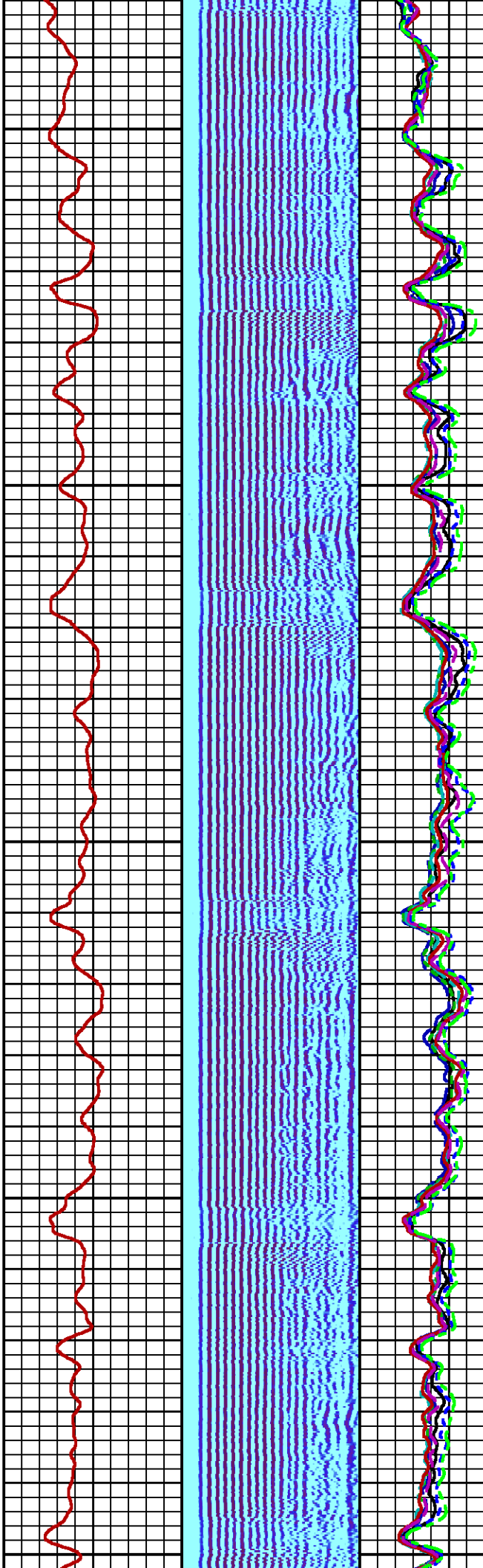
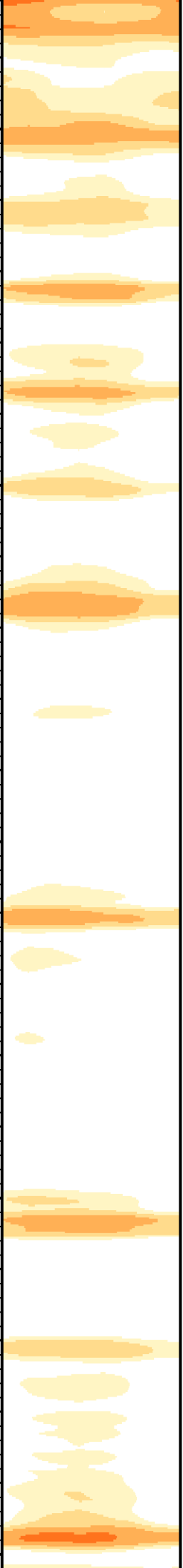


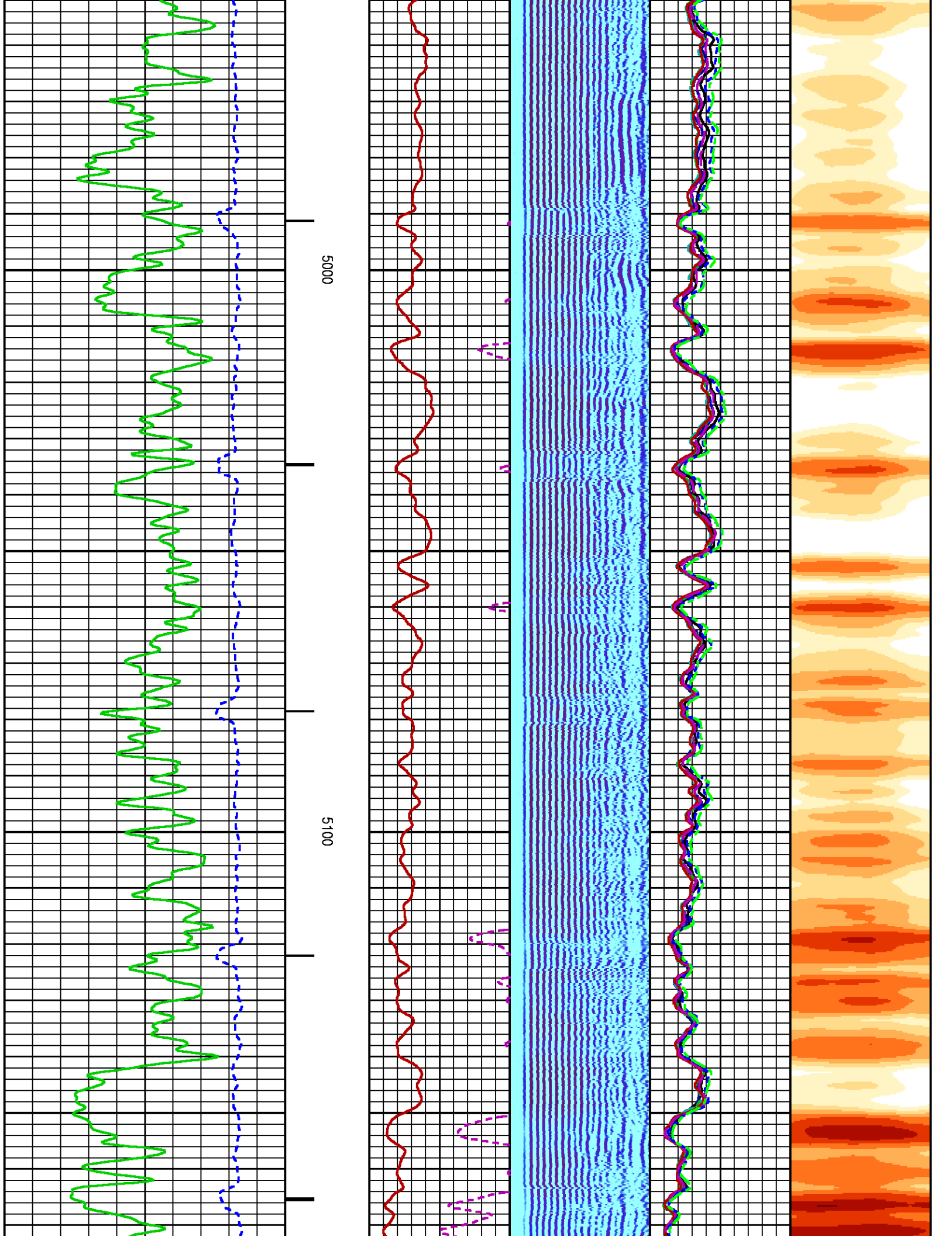


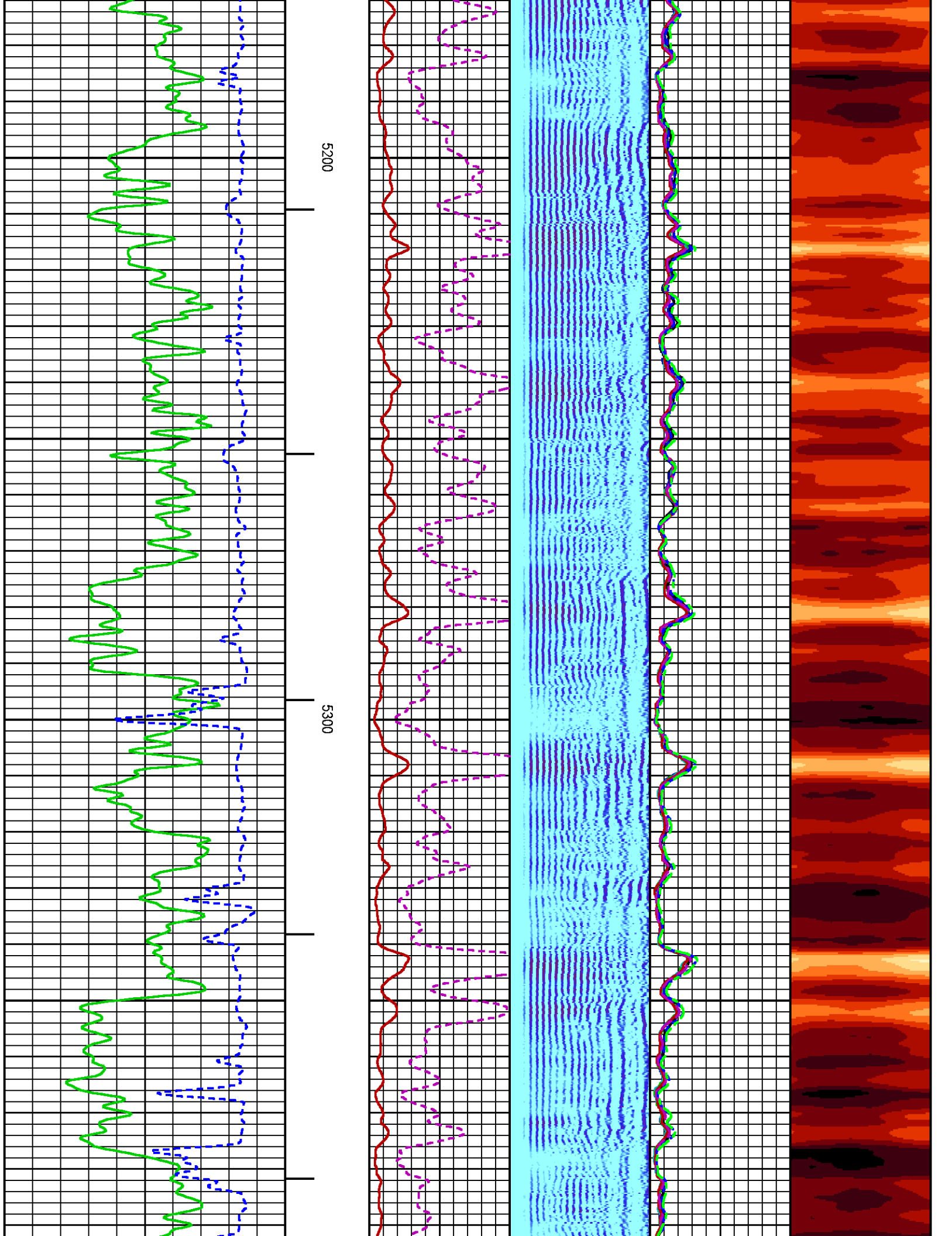


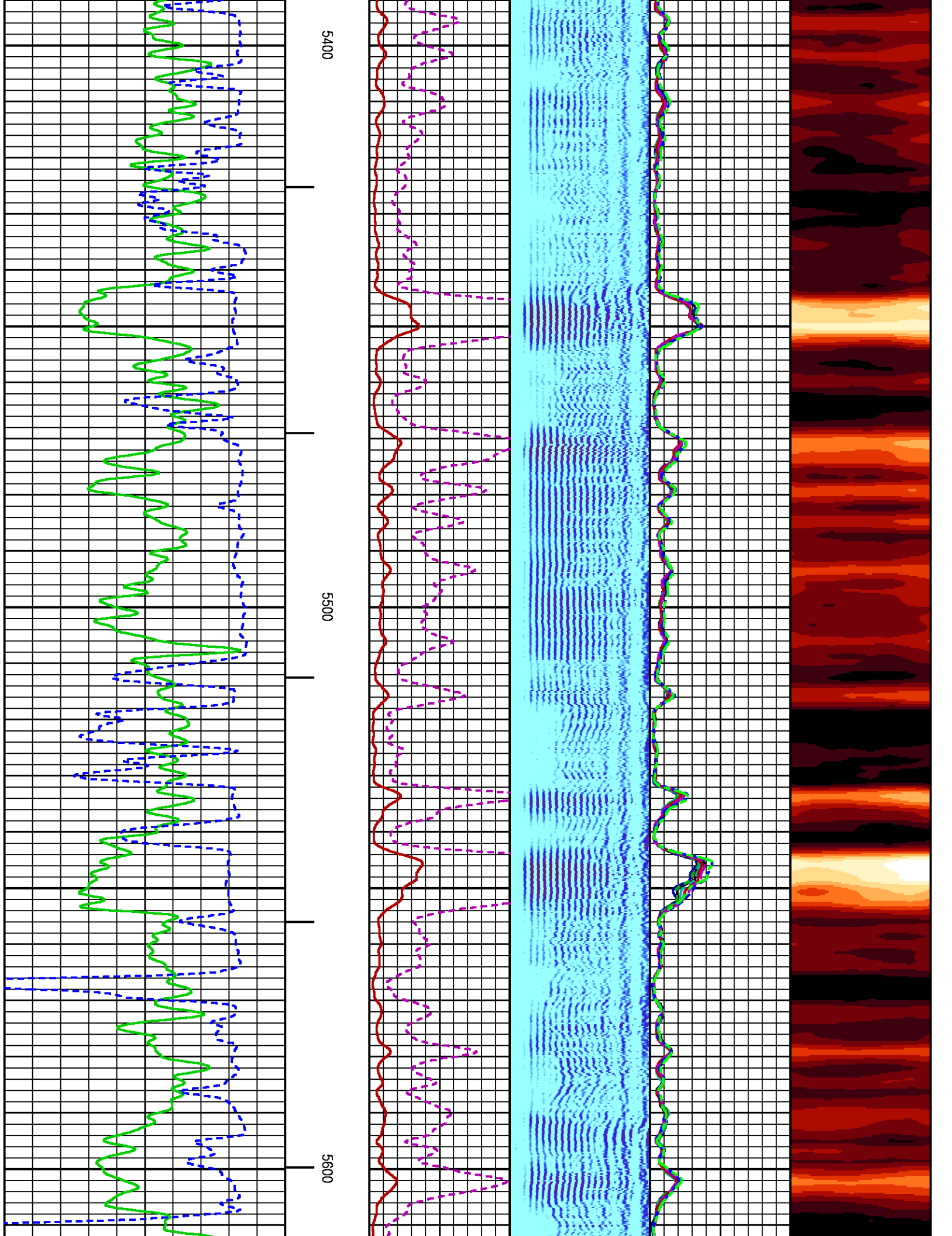


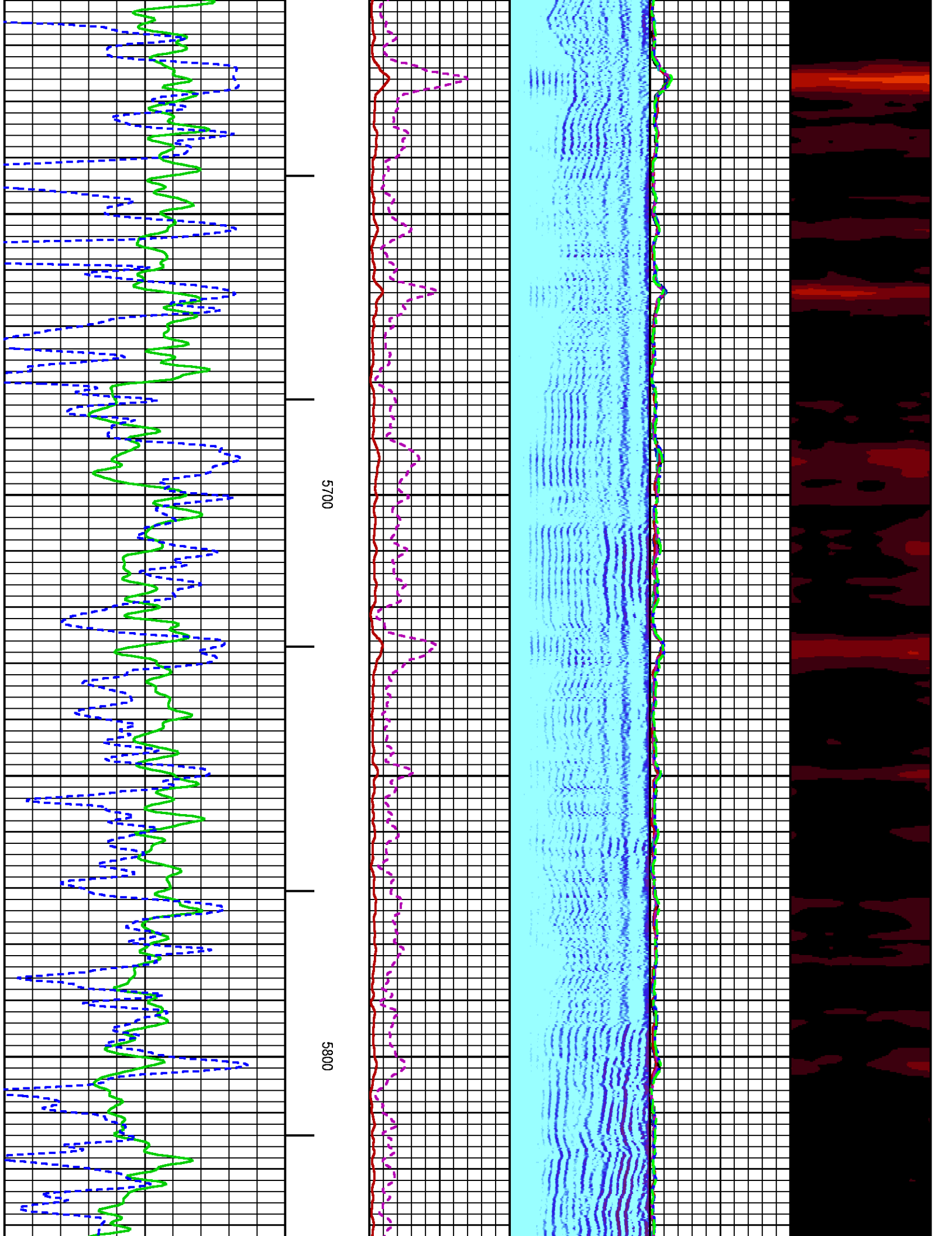


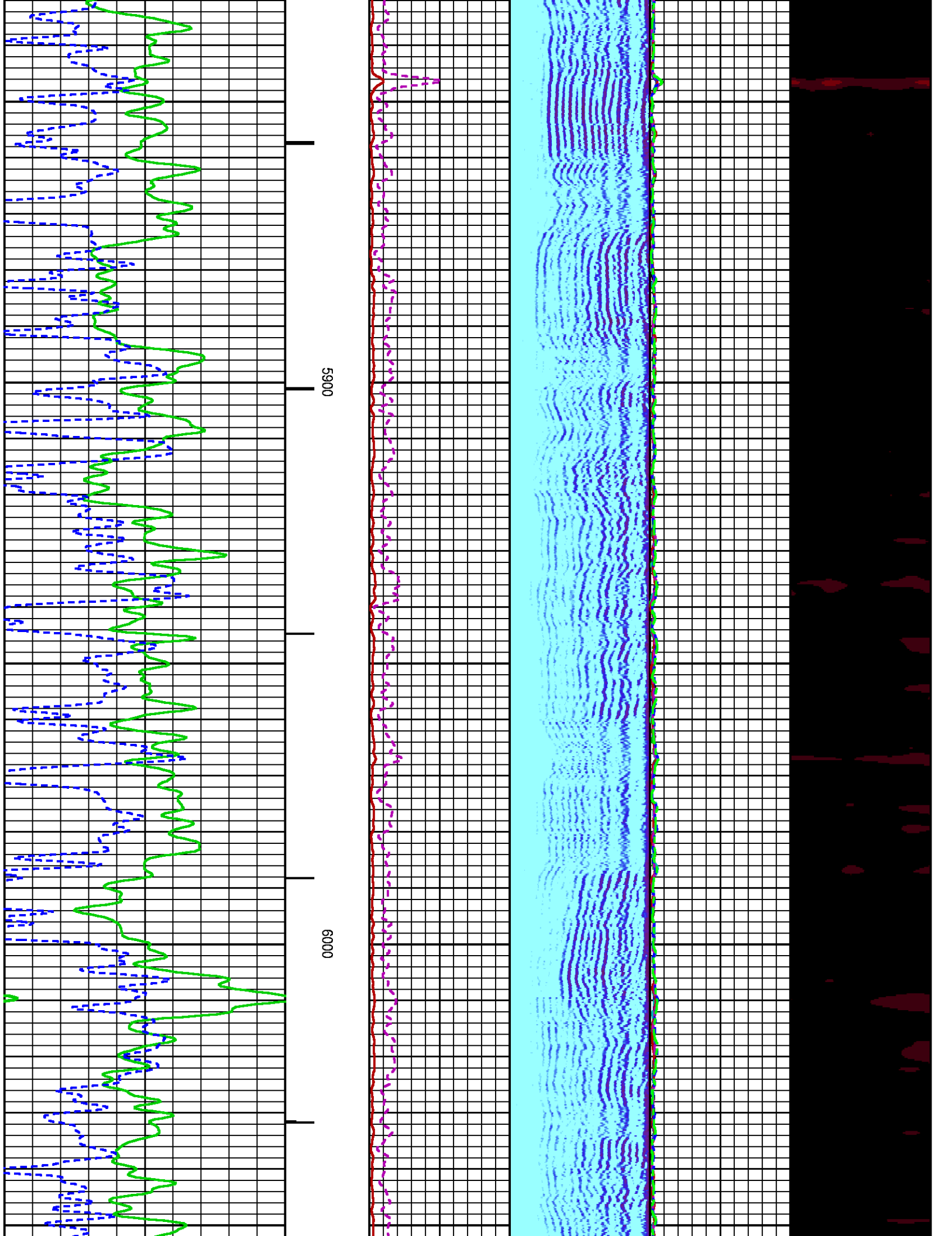


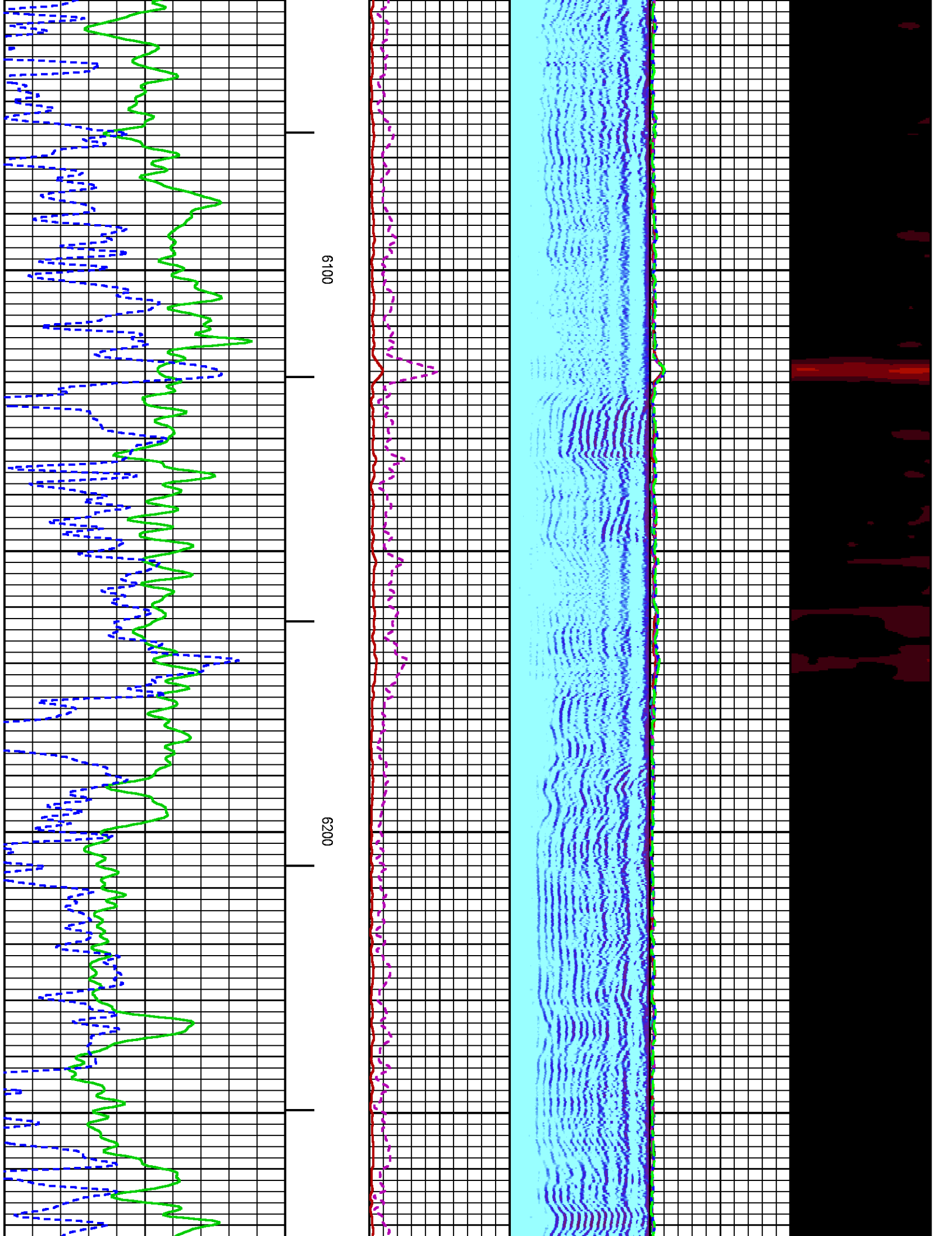


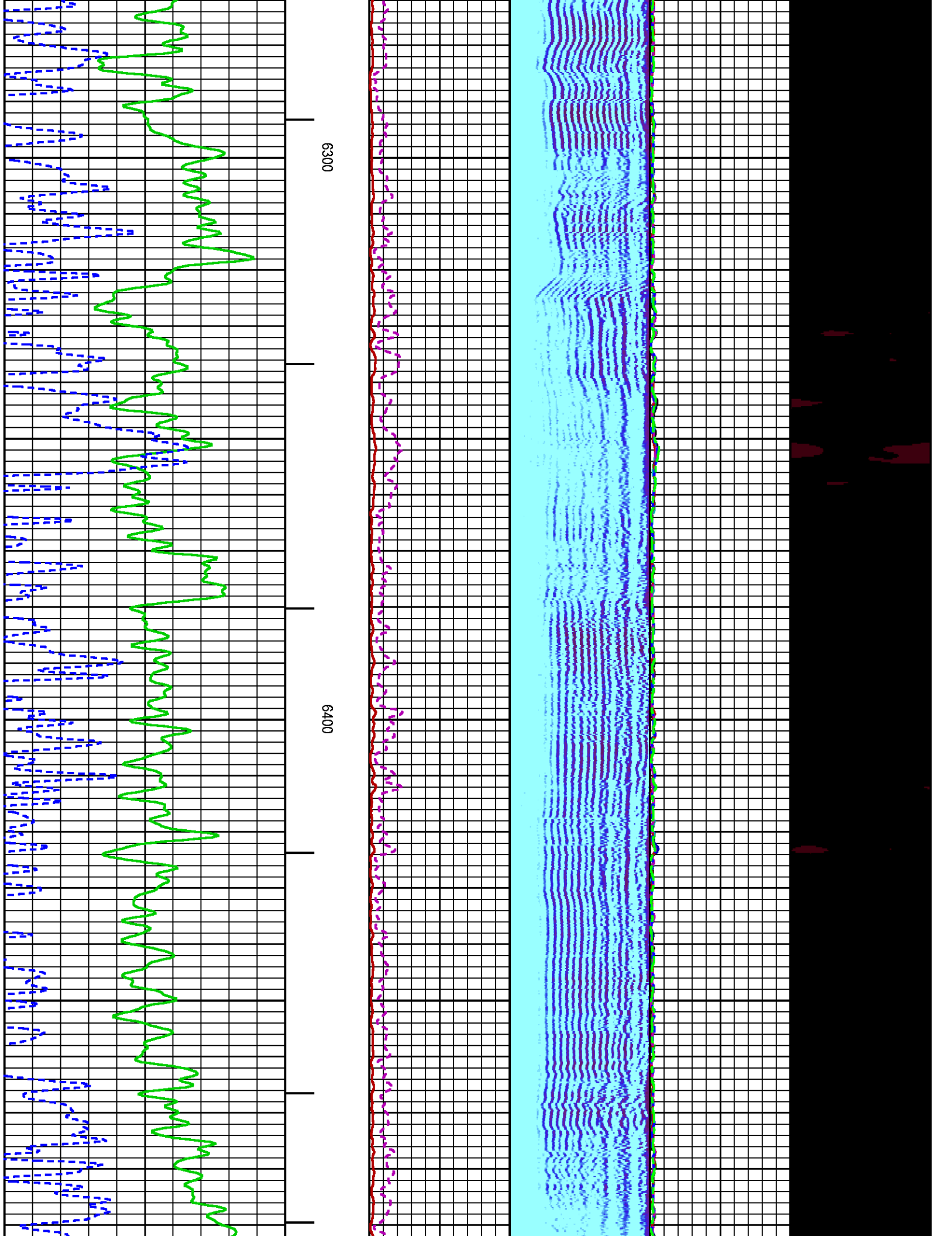


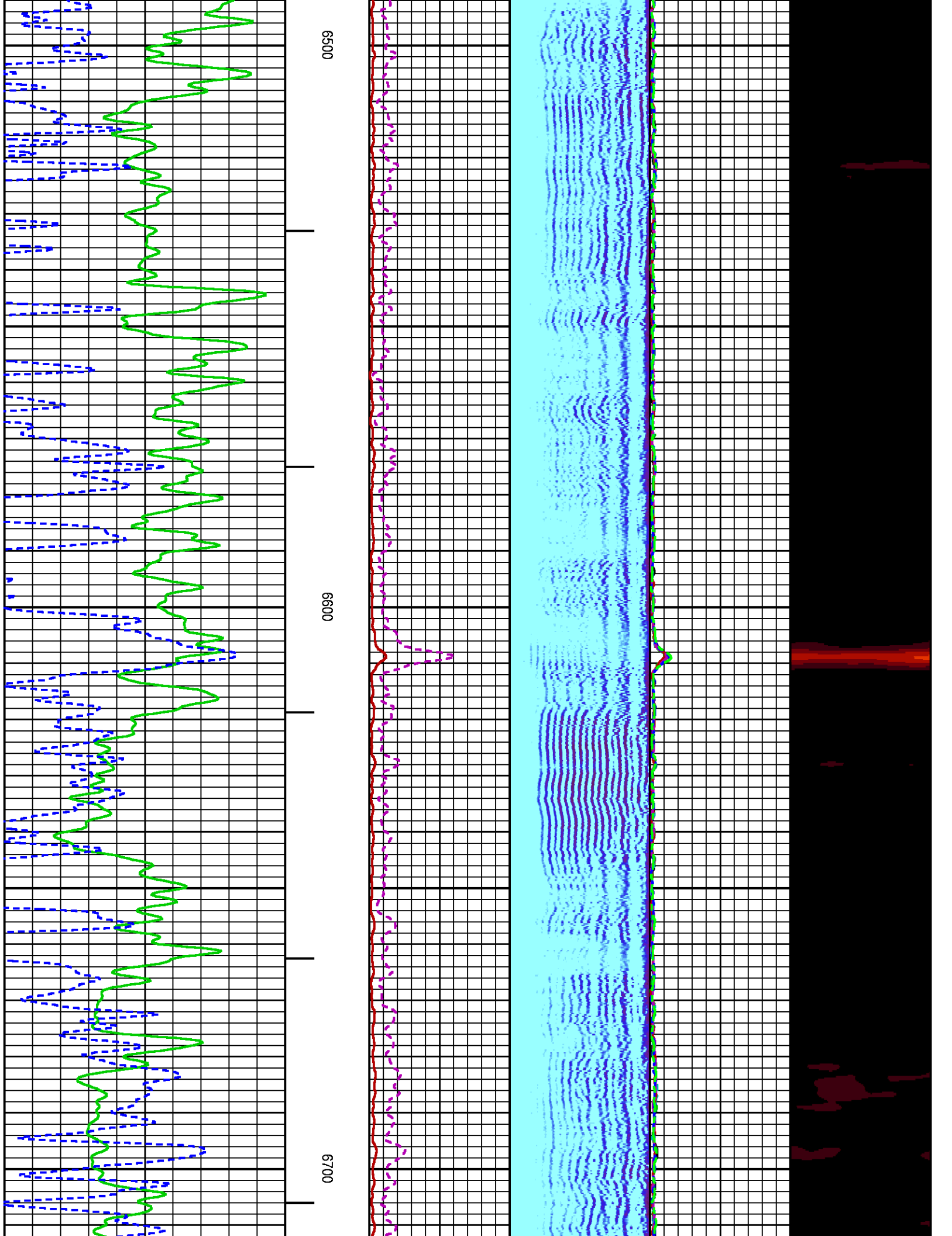


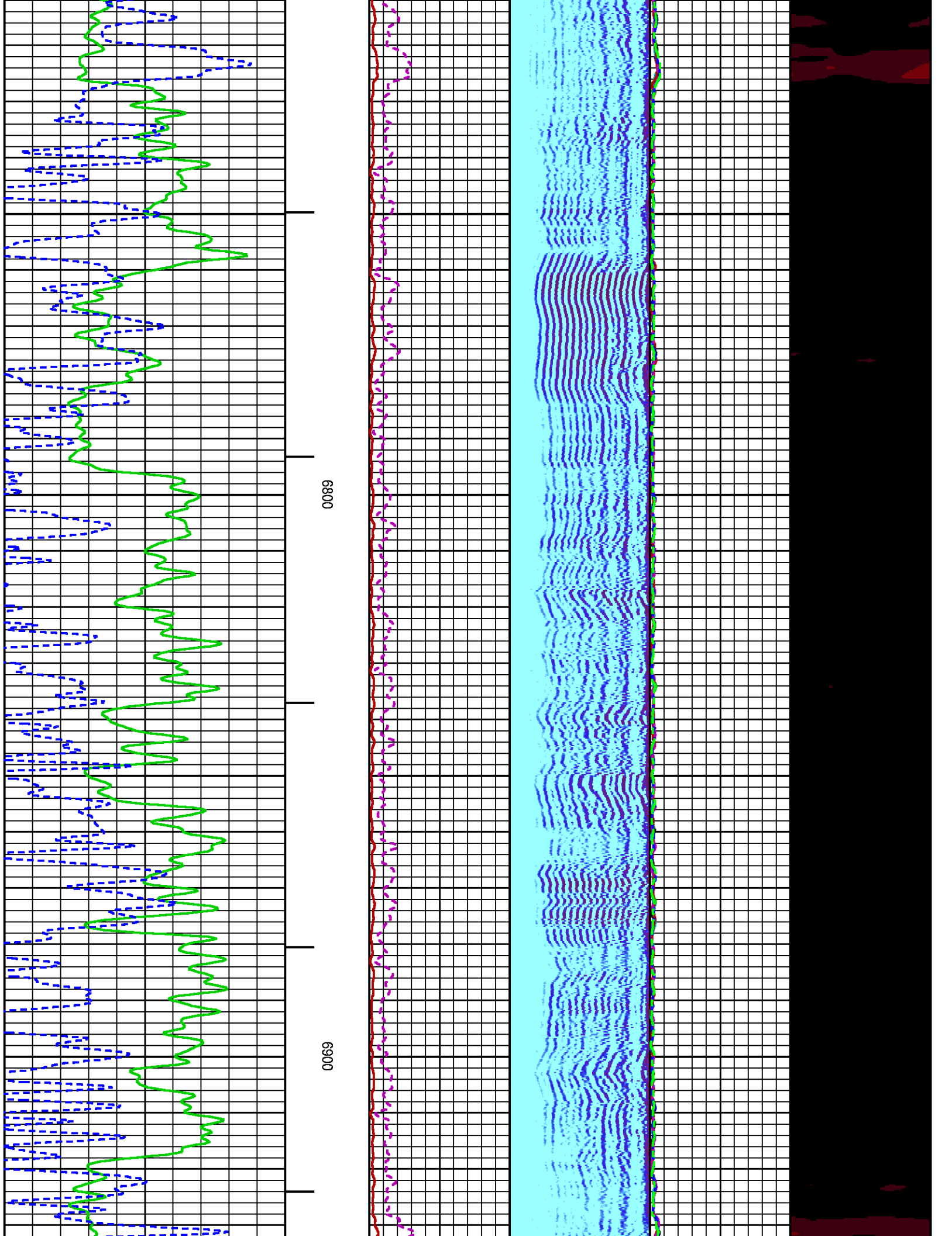


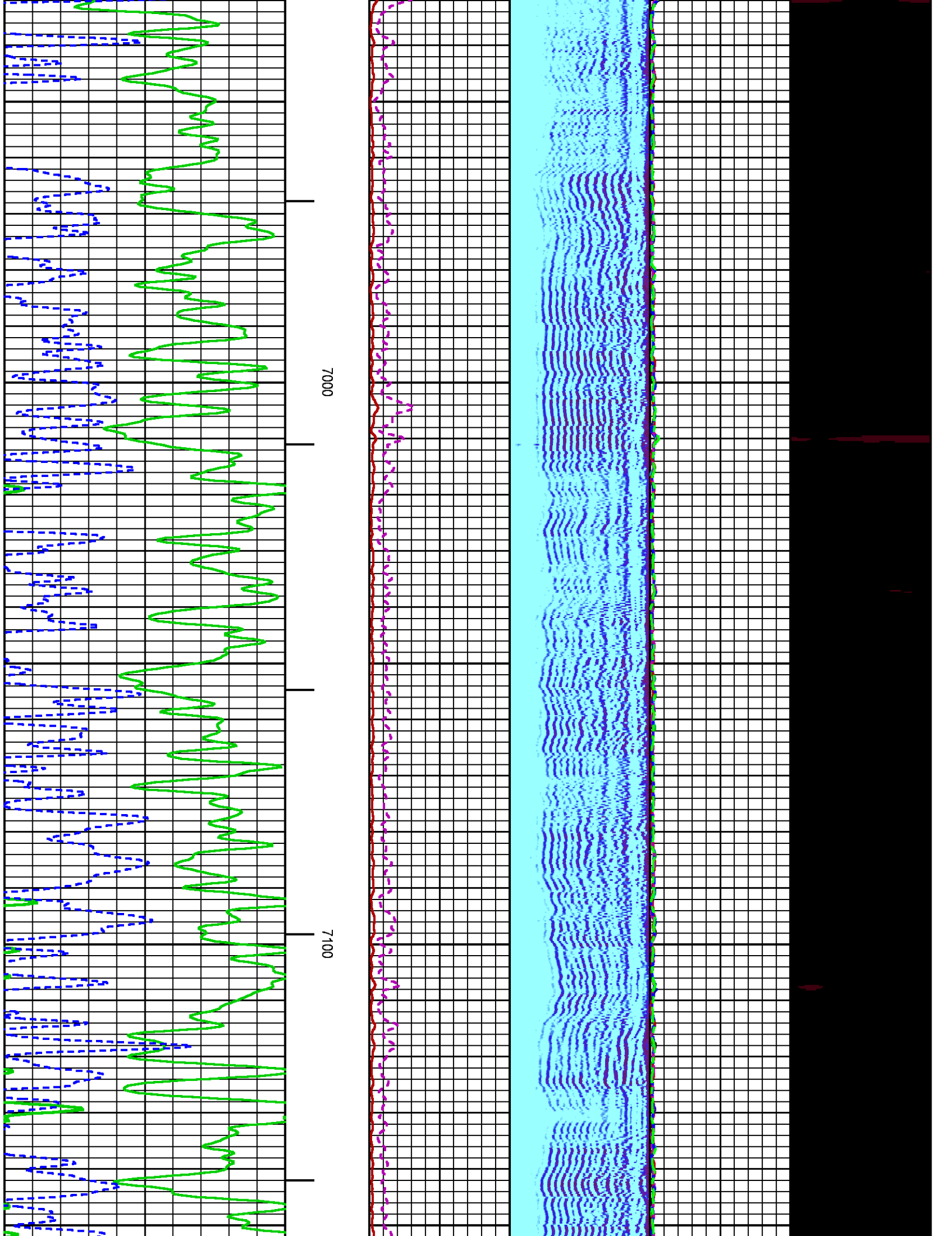


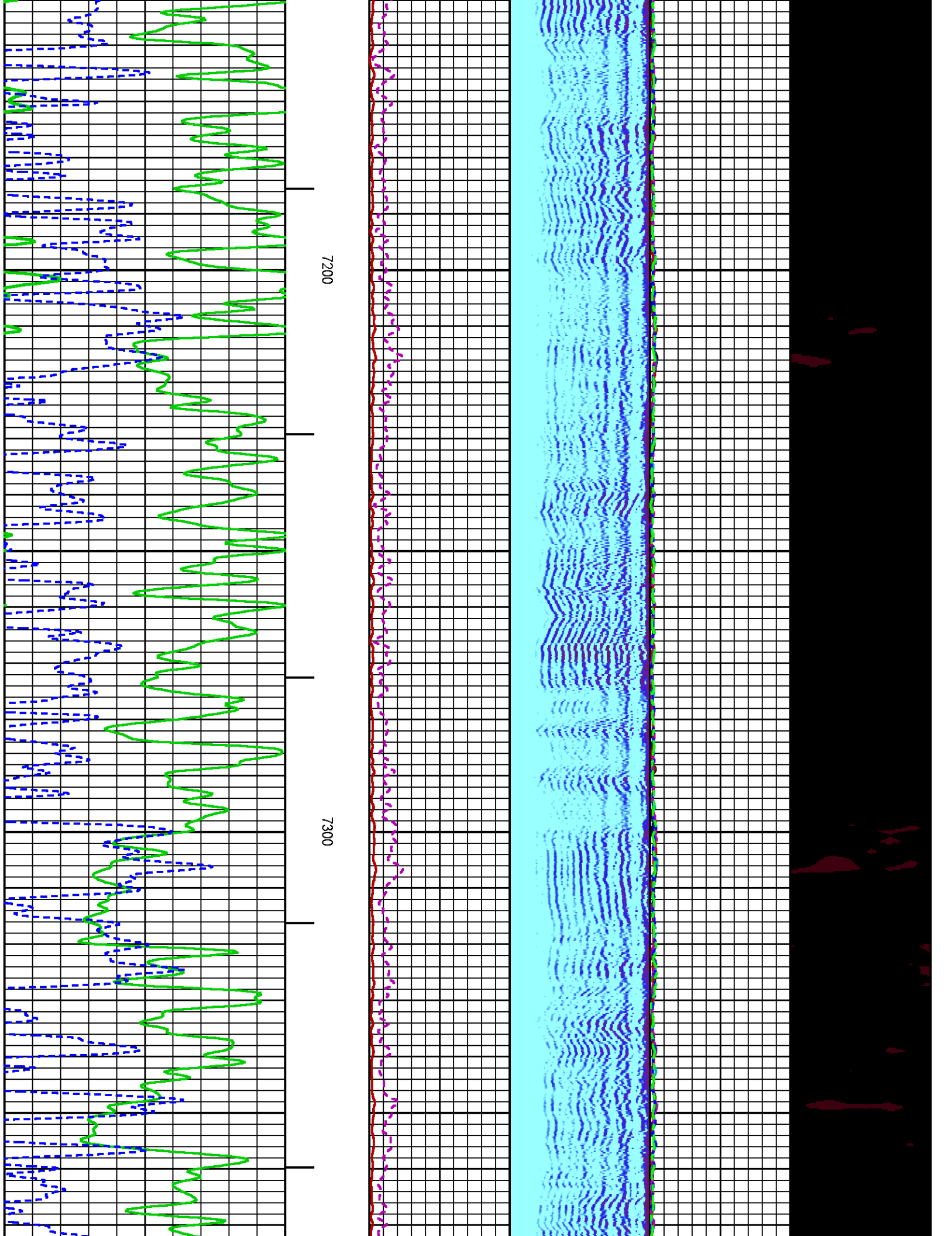


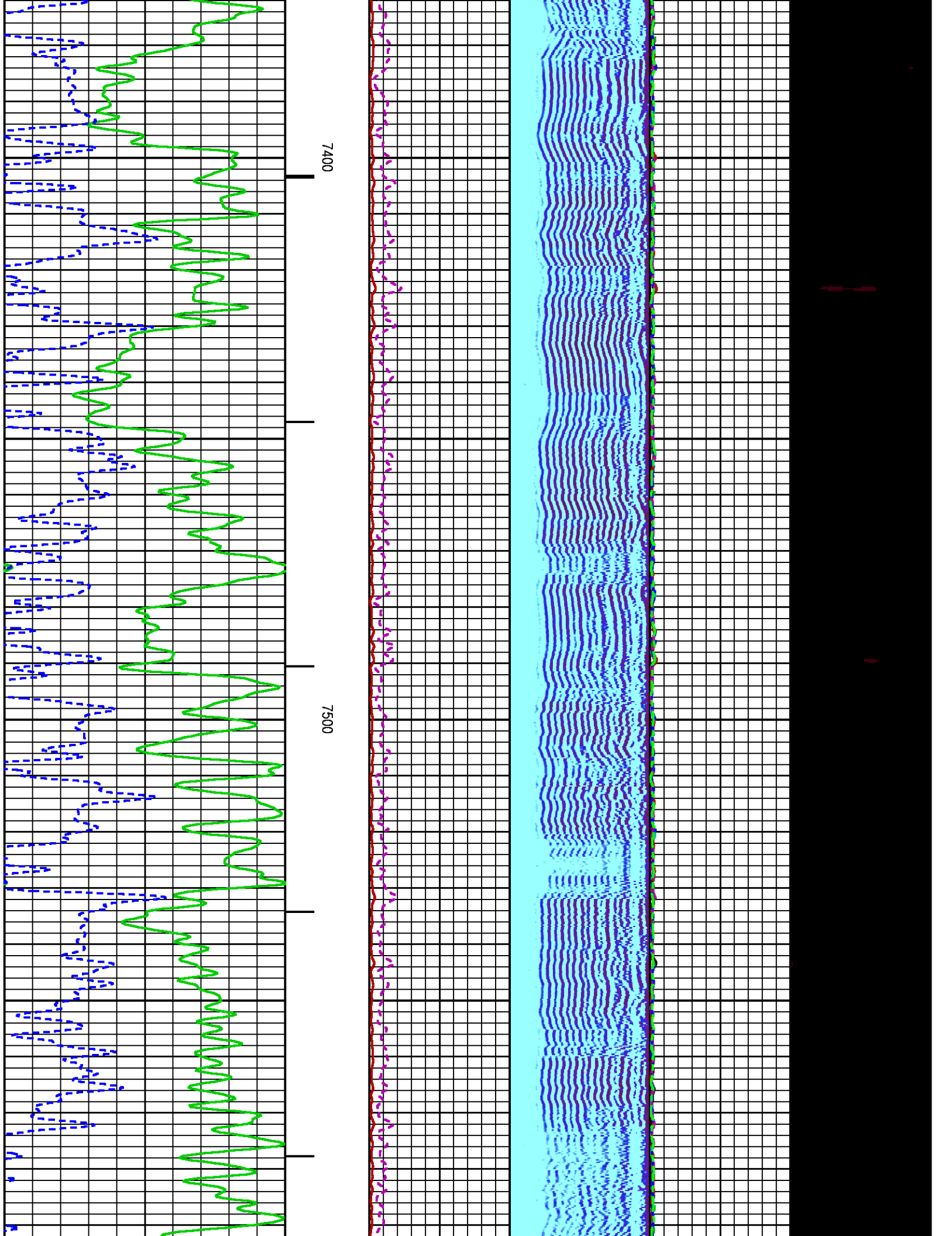


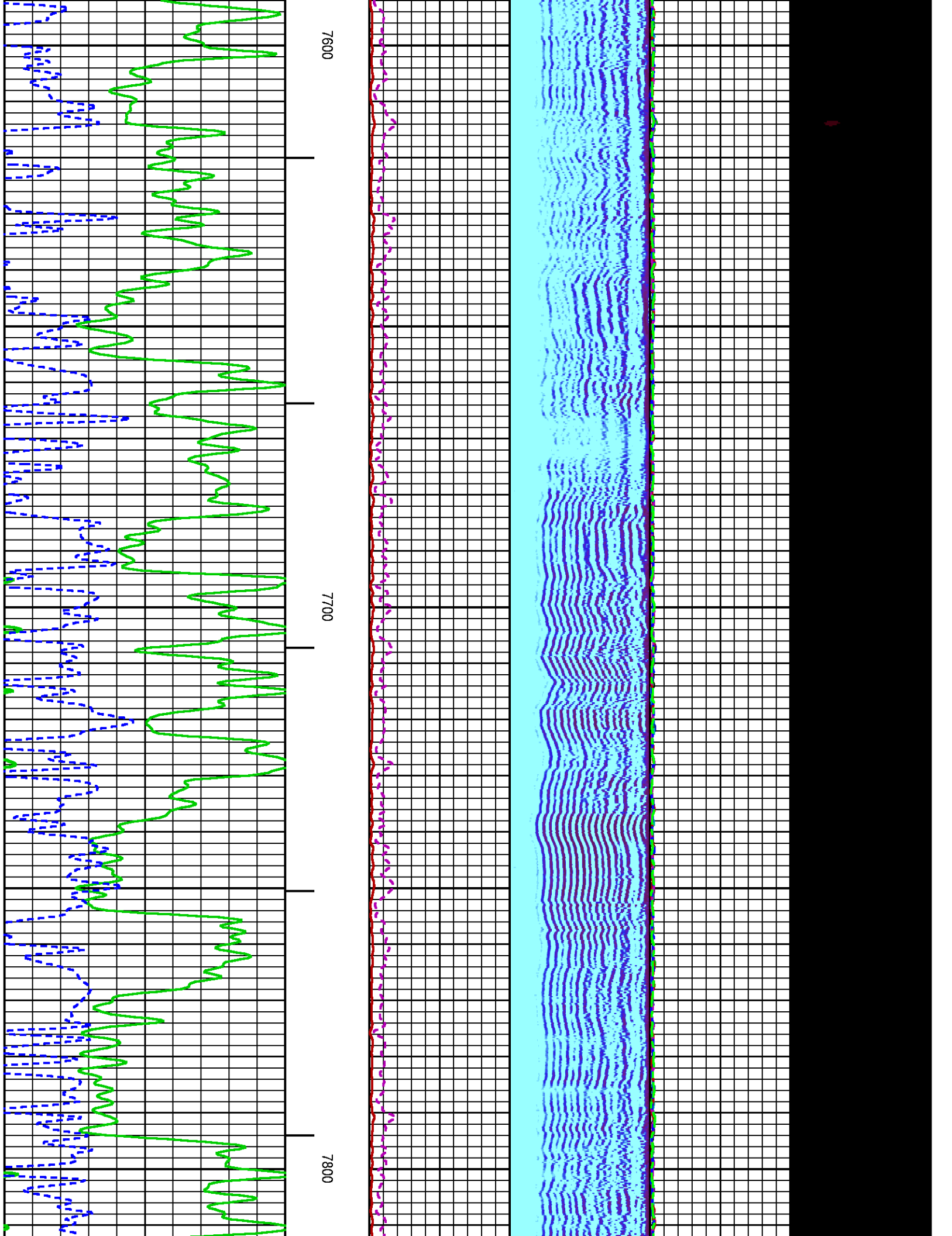


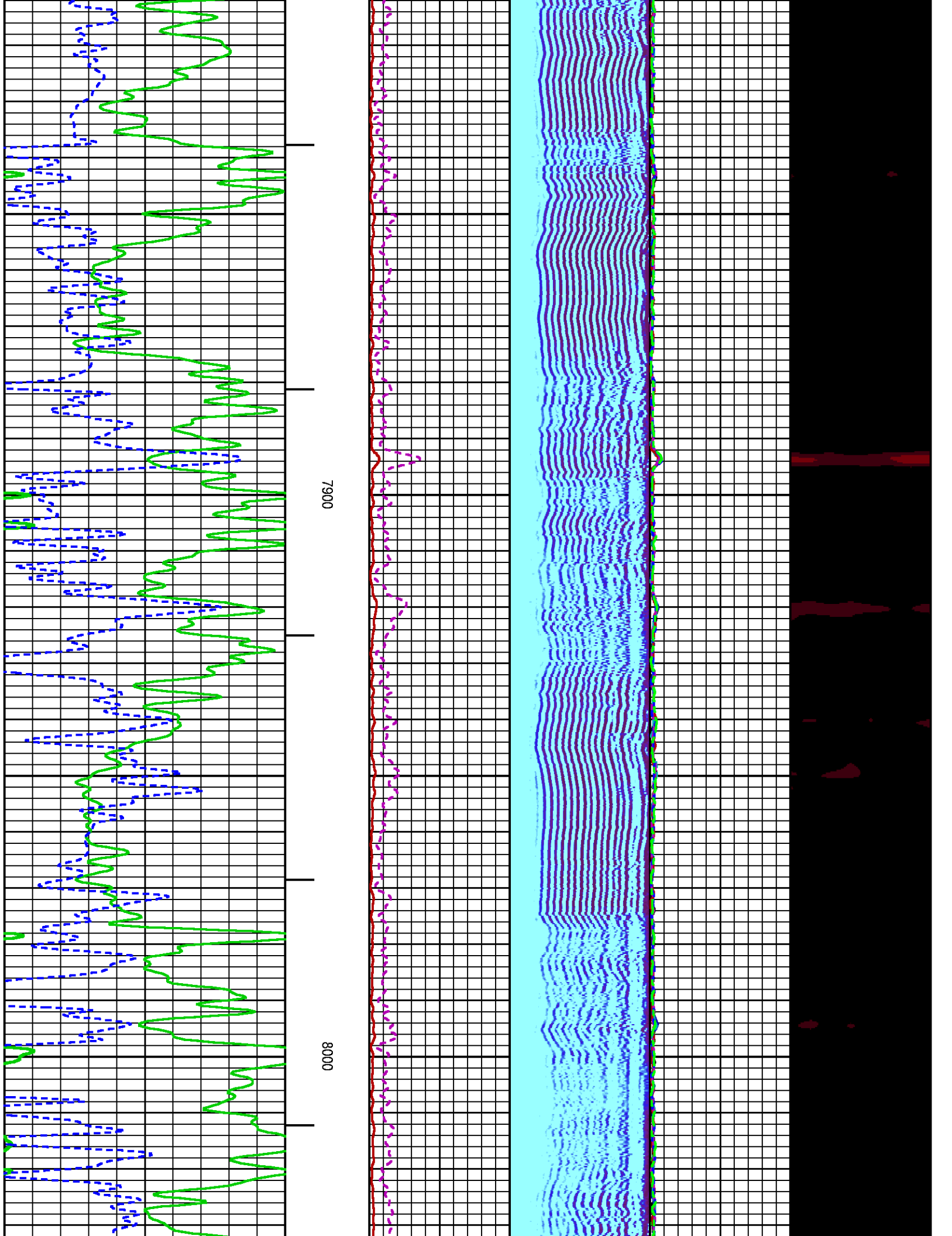


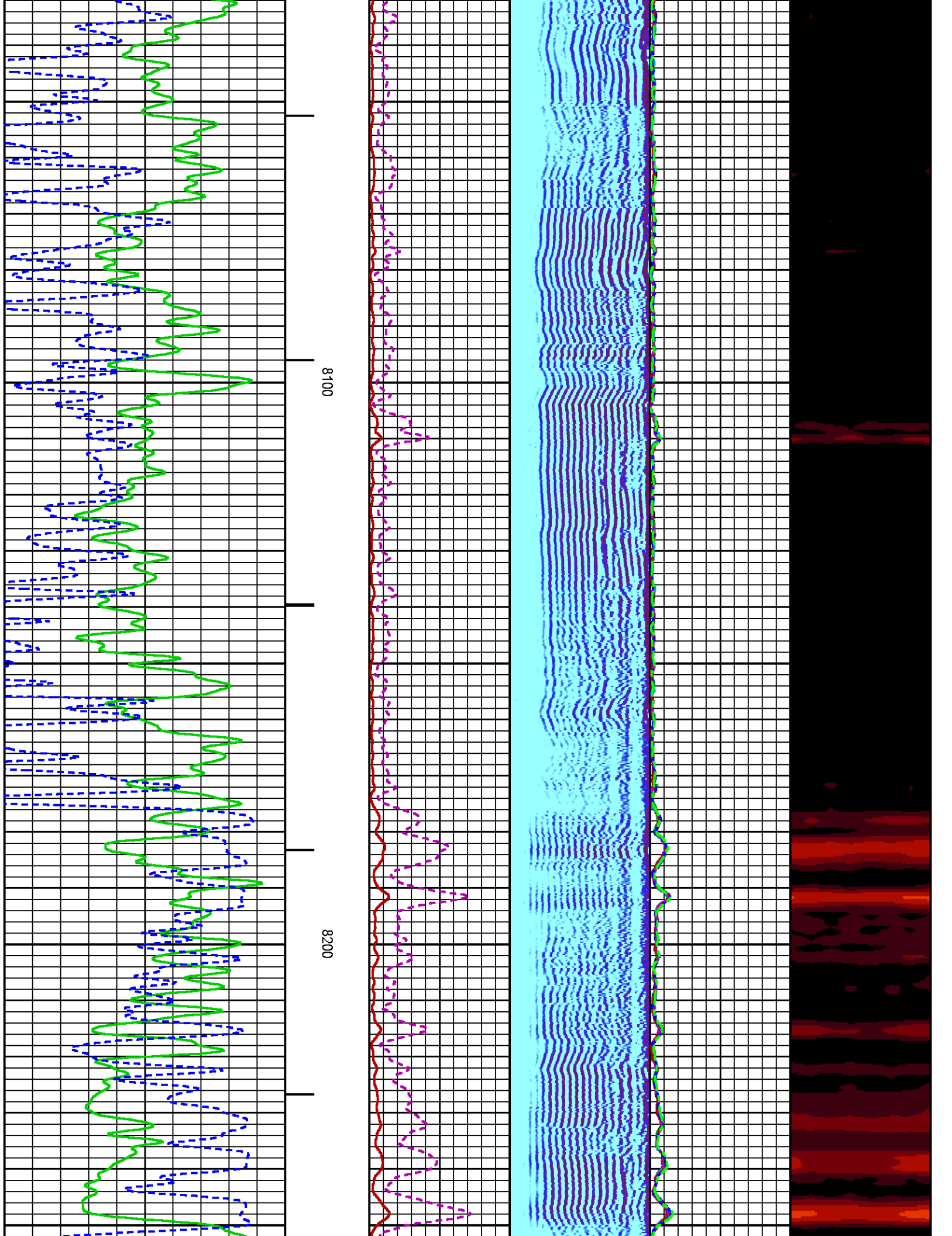


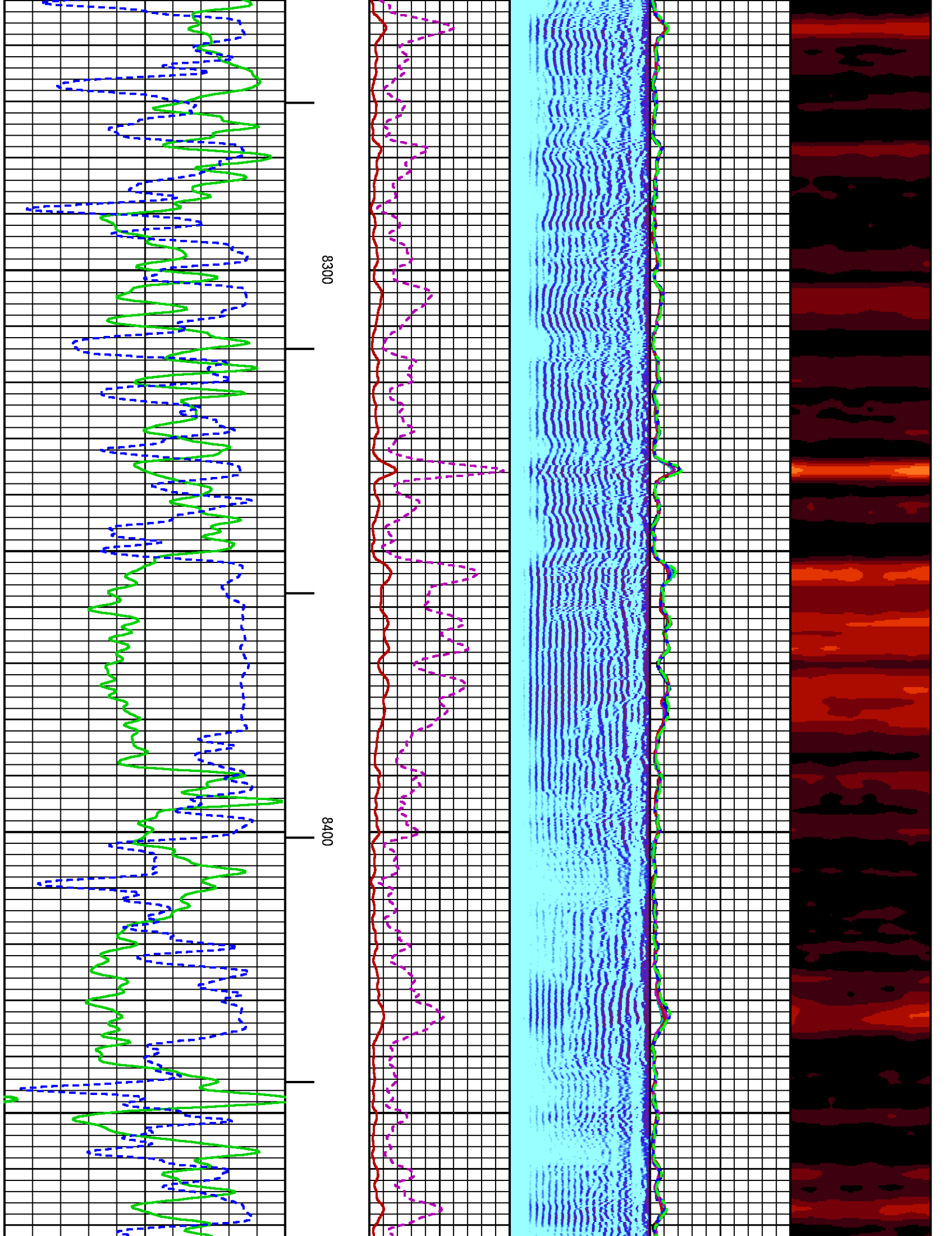


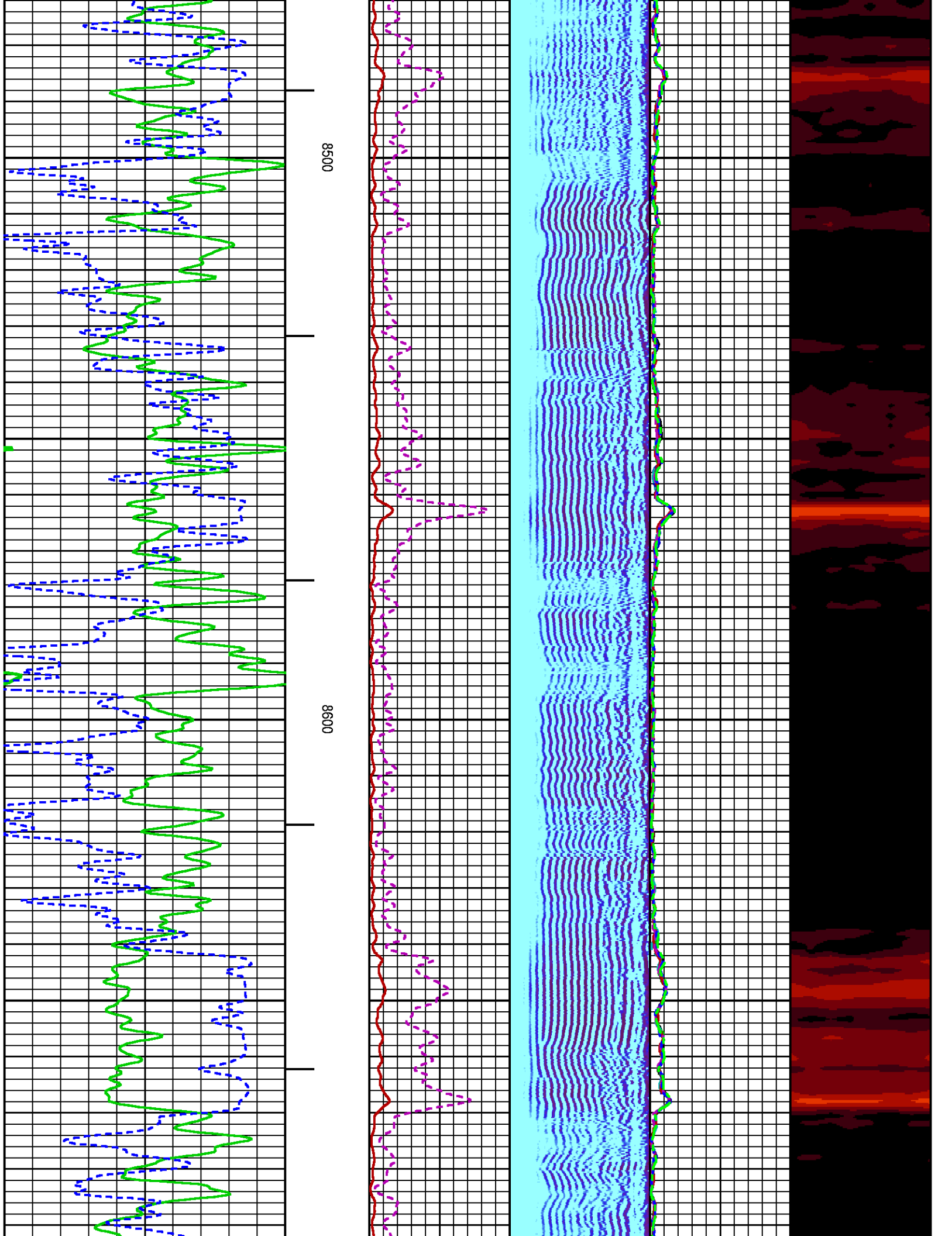


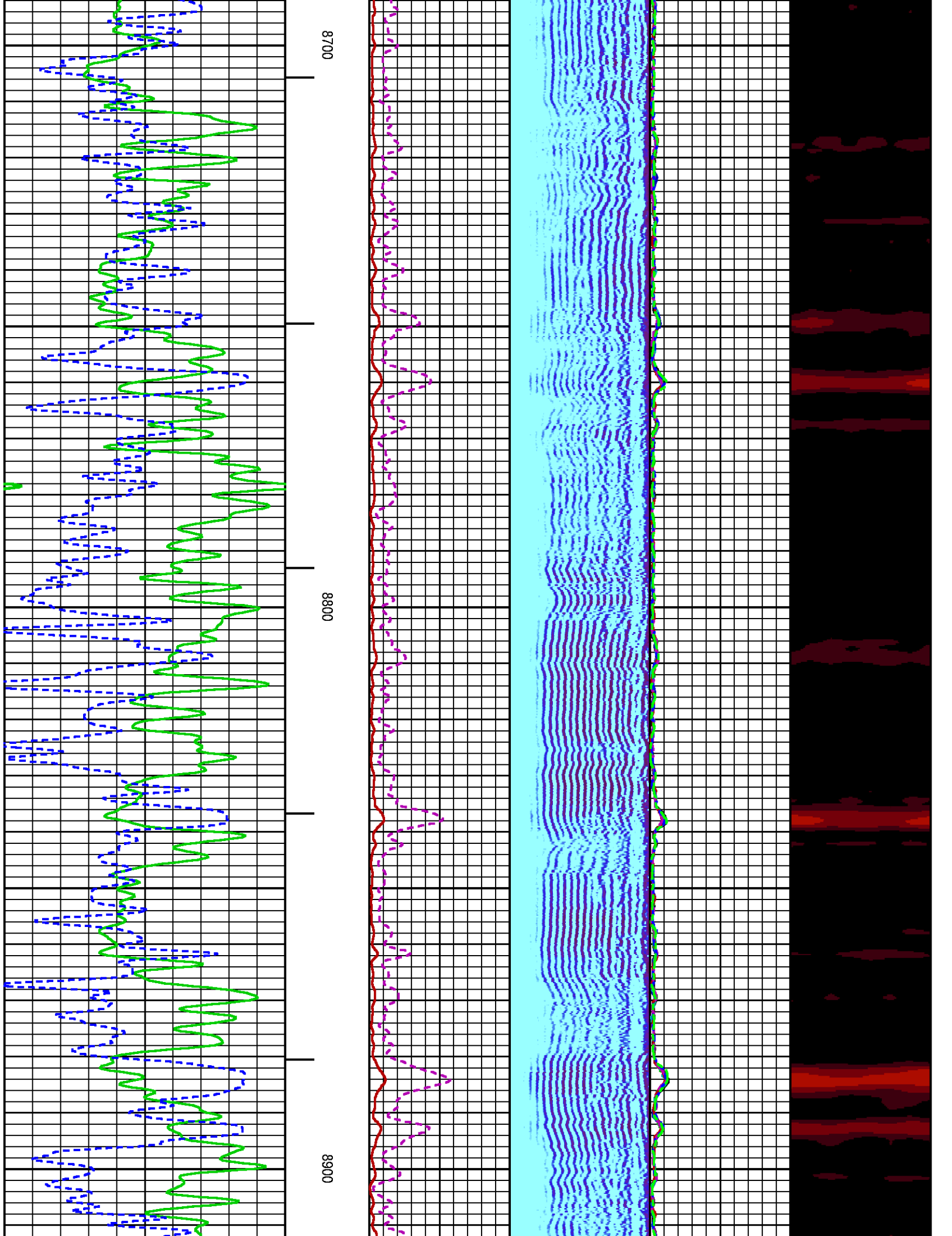


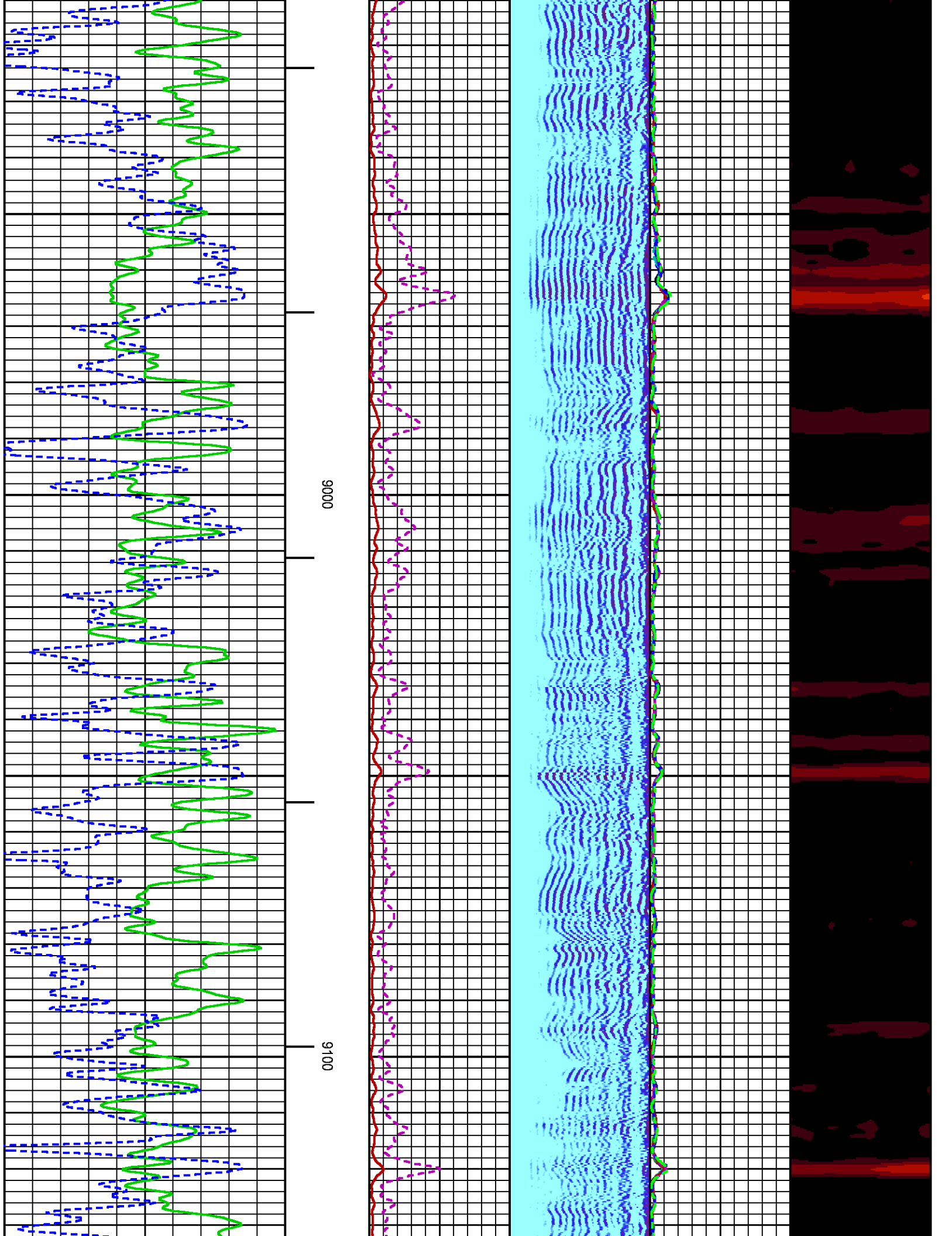


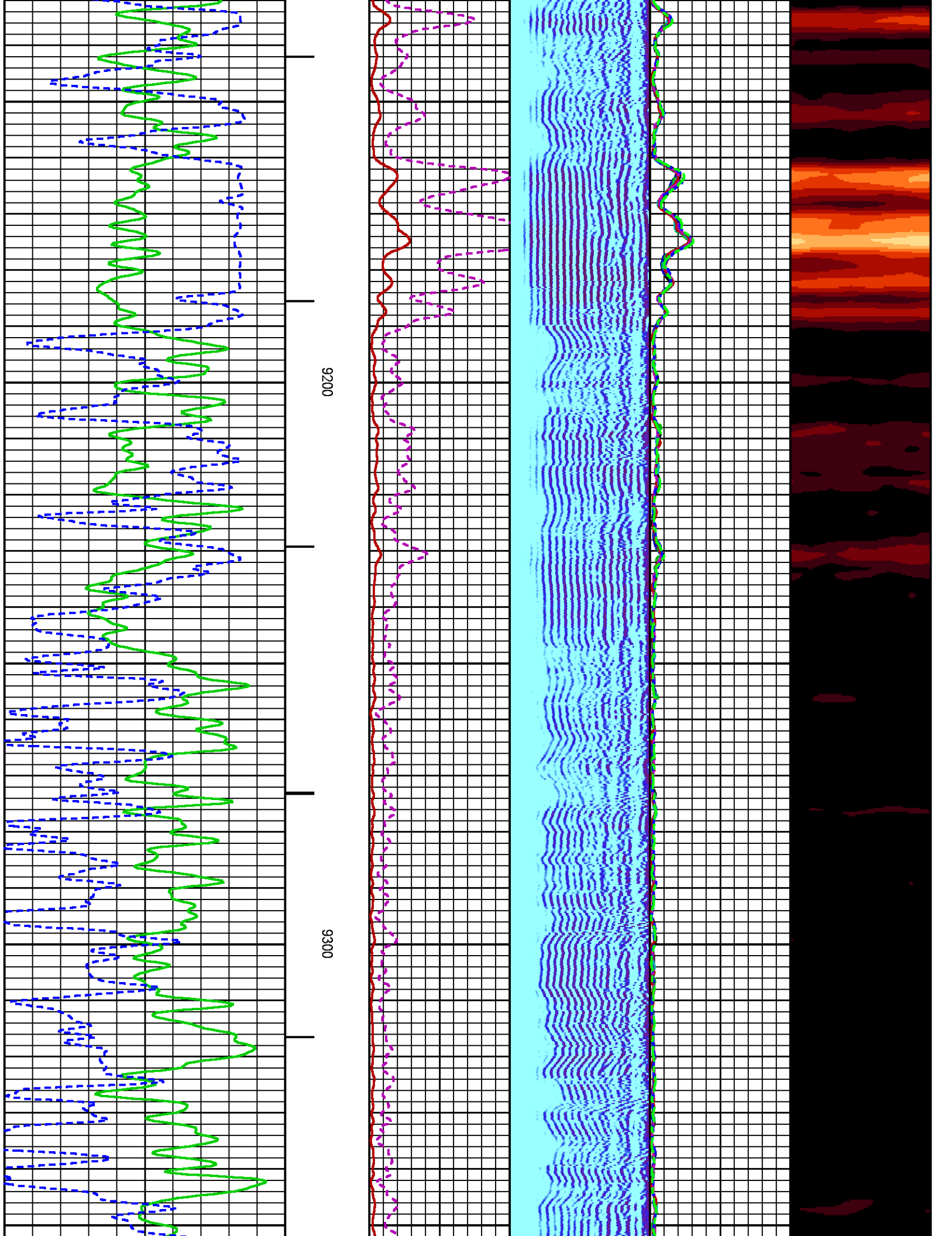


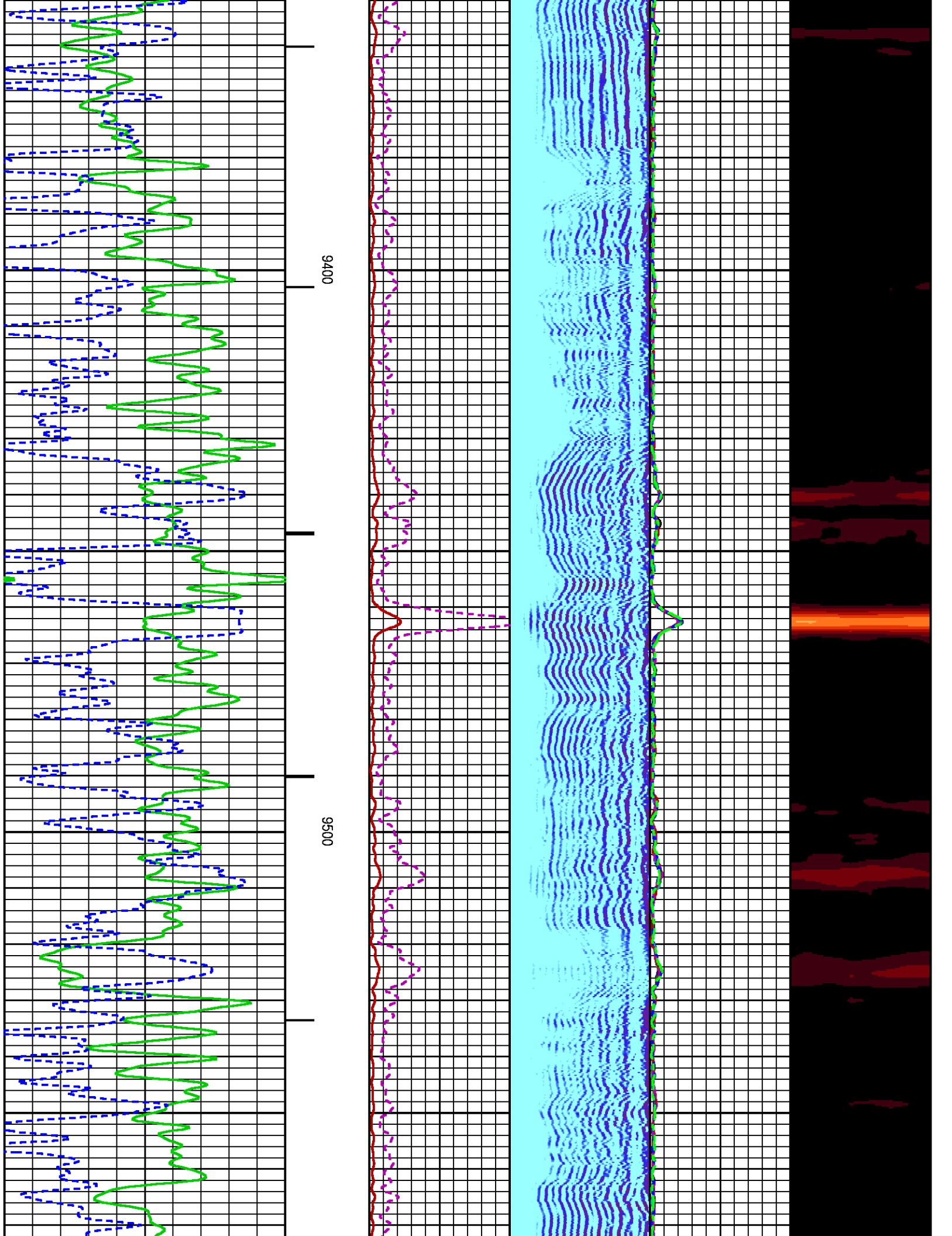


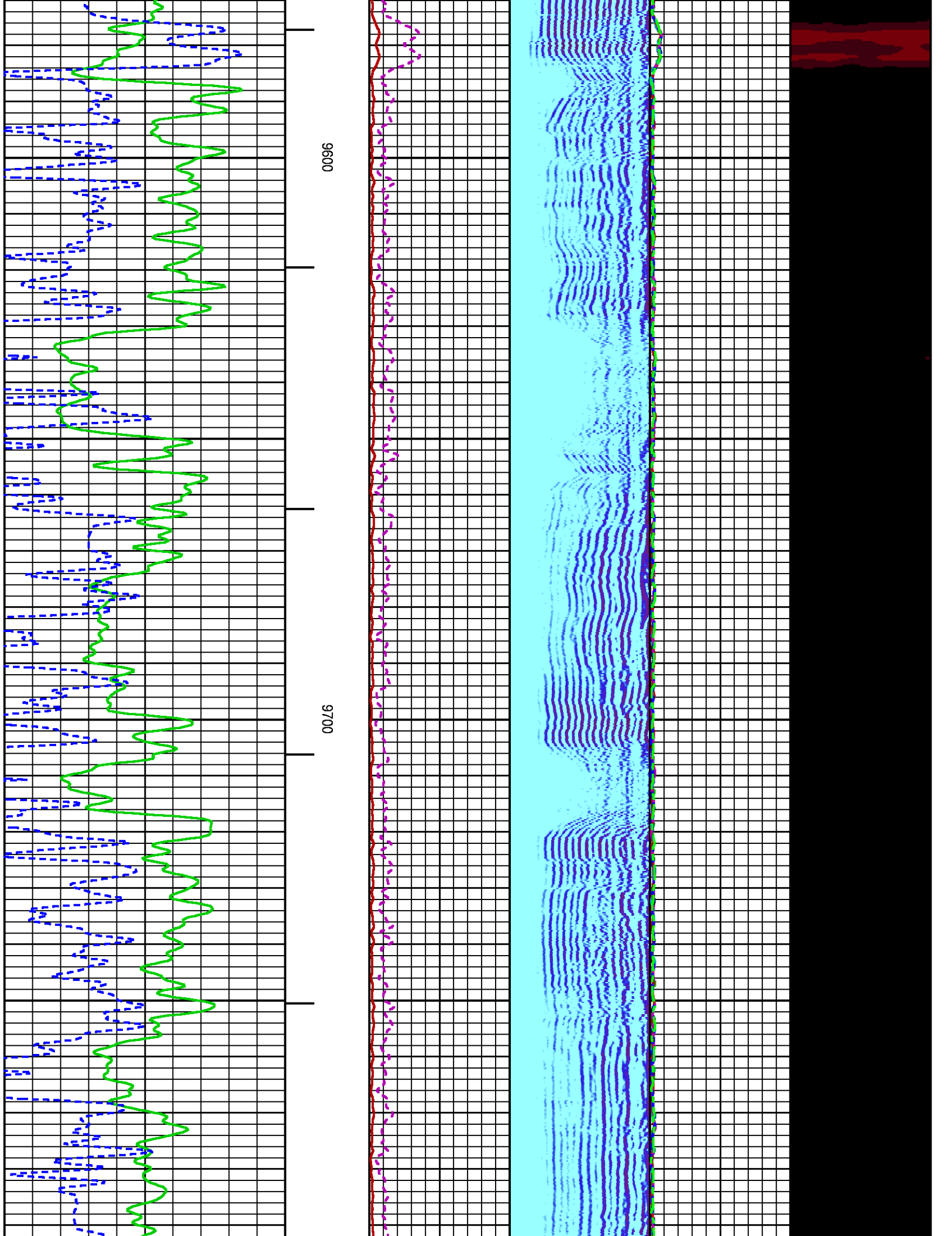


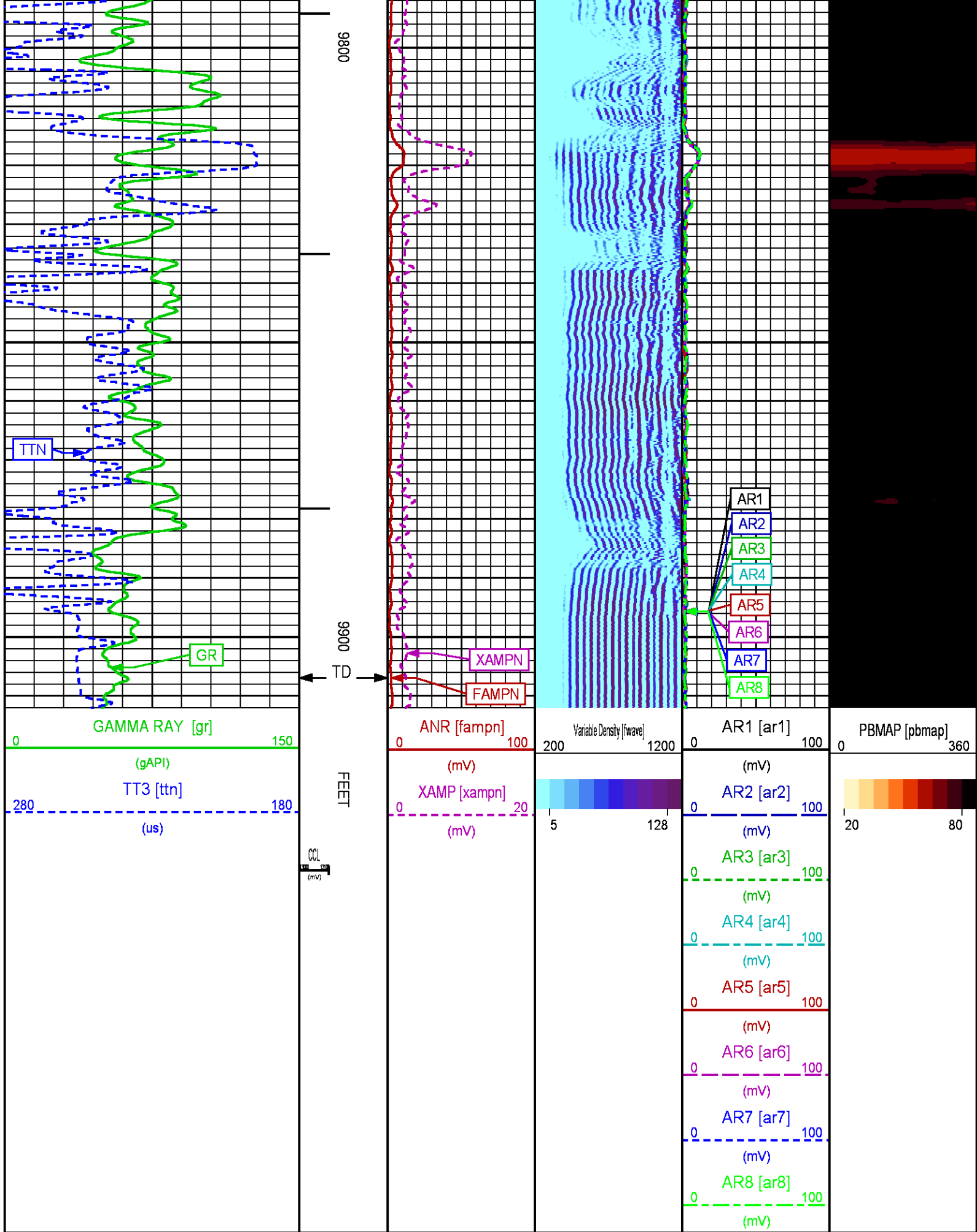












REPEAT LOG 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 6

Plotted: Wed Apr 22 13:39:15 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH096028/n012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 9539.250 ft BOTTOM DEPTH: 9944.250 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*)	186	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	179	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

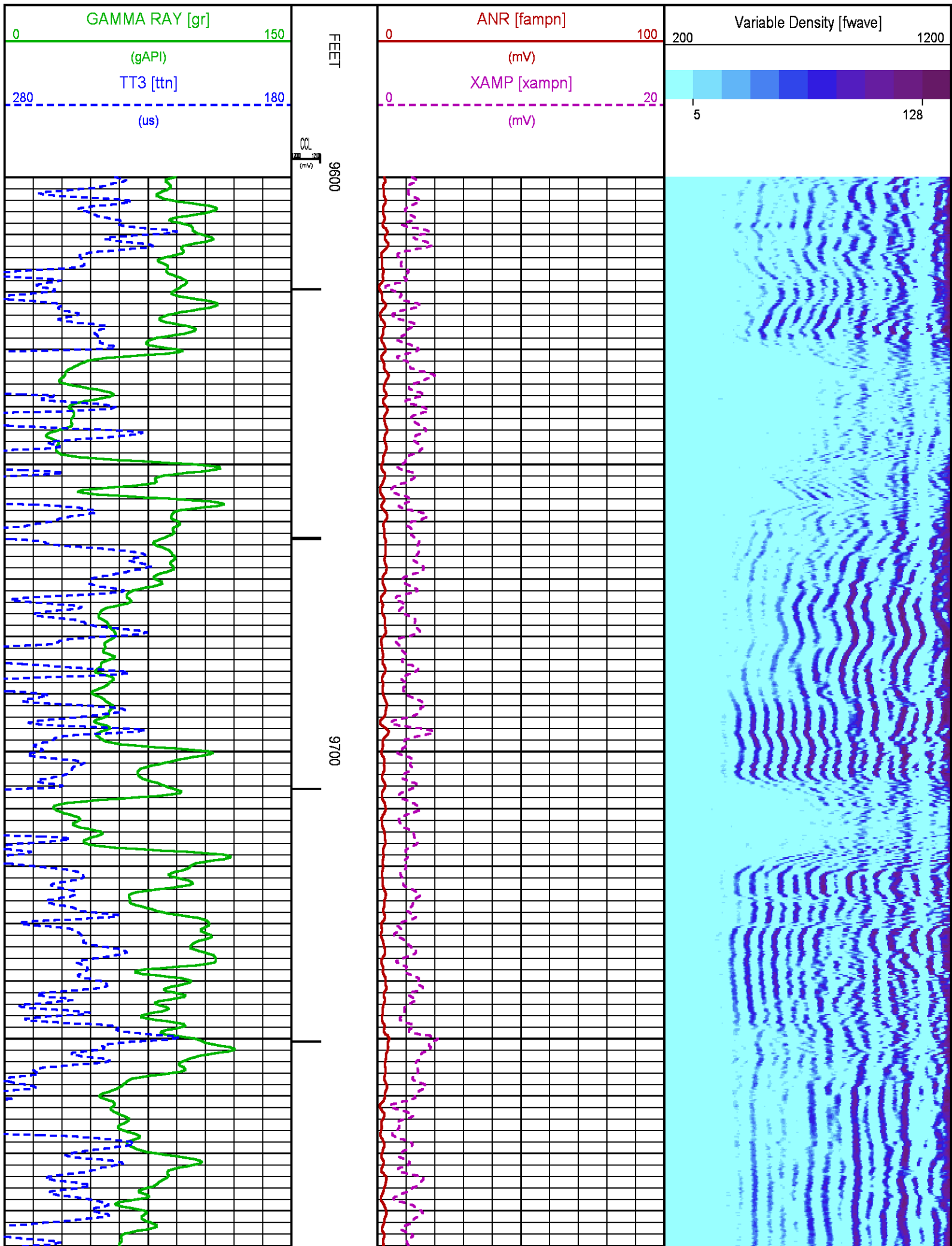
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Apr 22 08:41:43 2015	CASING COLLAR LOCATOR
F1:FAMPN	Apr 22 08:41:43 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Apr 22 08:41:43 2015	FAR WAVE FORM
F1:GR	Apr 22 08:41:43 2015	GAMMA RAY
F1:TTN	Apr 22 08:41:43 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Apr 22 08:41:43 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

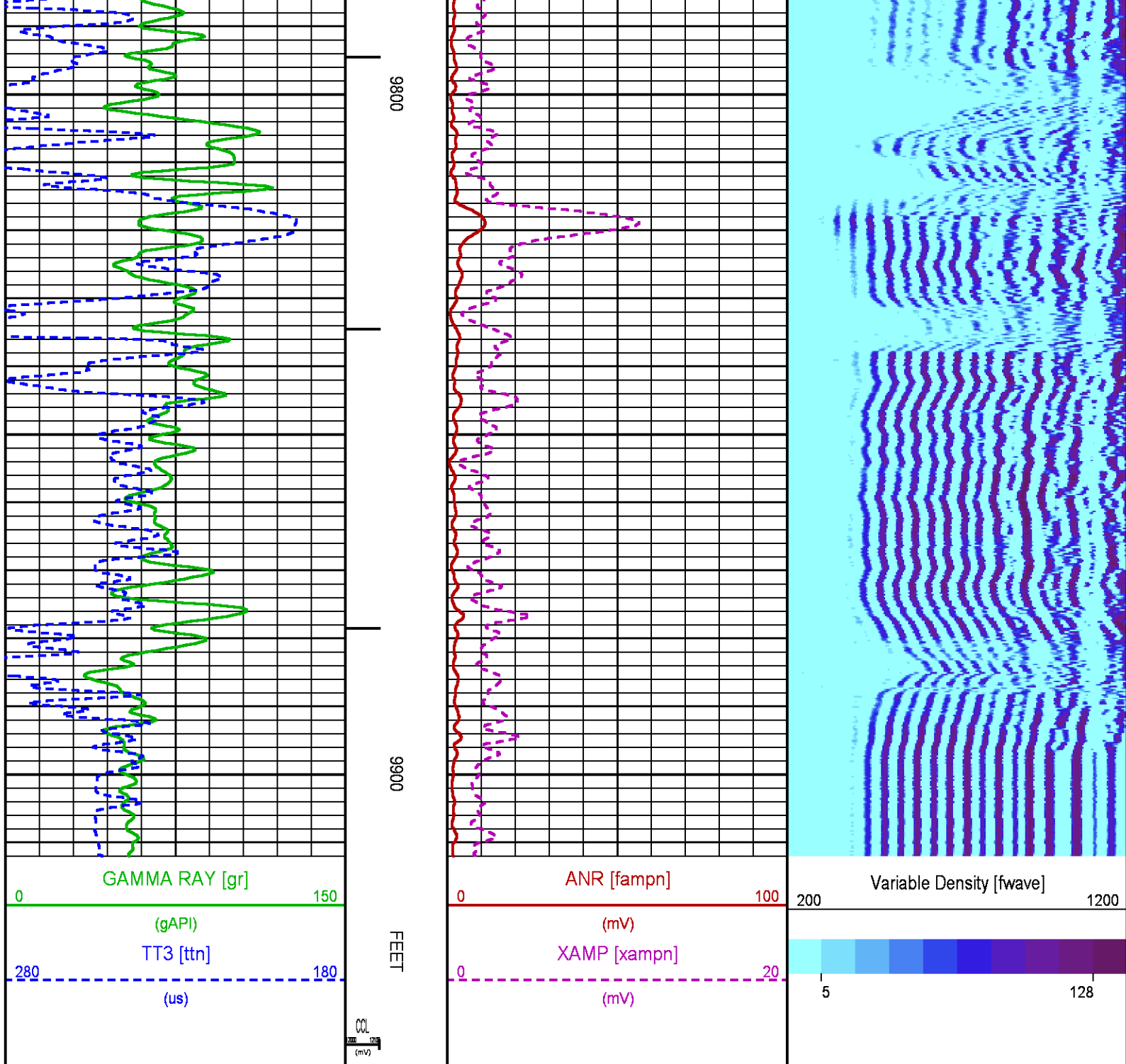
CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

Presentation : HL6670:/dat1a/CH096028/344CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 9600 - 9912 Feet

Data File 1 : F1 : HL6670:/dat1a/CH096028/344CBL_REPEAT.xtf
Created On : Apr 22 08:41:43 2015
Company : WPX ENERGY
Well : YOUNBERG RU 344-7
Field : RULISON
File Interval : 9523.5 - 9939.75 Feet
OCT : n012g





CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH096028/n012g.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Tue Apr 21 07:50:41 2015

UNIT #: 3880TA HL6670

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

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
ZERO (mV)	0.21	-0.67	-0.38	-0.03	-0.23	-0.31	-1.00	-0.56	0.30	1.72	-0.07
AMP FLUID (mV)	77	78	77	76	77	78	78	78	77	104	77
TT (us)	217	217	217	216	216	216	216	216	218	325	218
M FACTOR	1.31	1.28	1.30	1.32	1.30	1.28	1.26	1.28	1.31	1.47	1.30

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10154957 DATE/TIME PERFORMED: Wed Apr 22 08:00:14 2015 DAYS SINCE CAL: 1

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	0.24	0.49	0.32	0.39	0.47	0.53	0.14	0.02	0.27	1.57	0.14
AMP AIR	1.43	0.42	1.16	0.80	1.12	0.76	0.72	2.02	1.59	-0.69	98.41

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.30	0.00	1.02

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 10580209 DATE/TIME PERFORMED: Sun Apr 19 09:14:38 2015

UNIT #: 3880TA HL6670 CALB JIG #: 4702NK WA-612

	BACKGROUND (cts)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	93.60	655.51	561.9	0.329	30.82	215.82	185

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 10580209 DATE/TIME PERFORMED: Sun Apr 19 09:15:58 2015

UNIT #: 3880TA HL6670 VERI JIG #: 4702NK WA-612

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	98.36	673.51	0.329	32.38	221.74	189.36
						175.00 195.00

INSTRUMENT CONFIGURATION

20.38'

CABLEHEAD

Diameter : 2.75"
Length : 2.25'
Height : 10.31"



Weight : 10 lbs
Series : CABL234
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 11.17'

FAR RCVR 10.21'

CCL 5.79'


RAL GR/TEMP/CCL/CHV DETECTOR

Diameter : 2.75"
Length : 6.96'
Weight : 85 lbs
Series : 1355XA
Mnemonic : RAL
Measure Point: 5.79': CCL
Measure Point: 1.67': GR
Measure Point: 0.17': TEMP

GR 1.67'

TEMP 0.17'

TOTAL LENGTH: 20.38'
TOTAL WEIGHT: 235 lbs
MAX DIAMETER: 0'4.00"

	COMPANY <u>WPX ENERGY</u>		FILE NO: <u>CH096028</u>
	WELL <u>YOUBERG RU 344-7</u>		API NO: <u>05045225230000</u>
	FIELD <u>RULISON</u>	STATE <u>CO</u>	
COUNTY <u>GARFIELD</u>			
LOCATION: SHL: 1141' FSL & 1183' FEL BHL: 664' FSL & 666' FEL		ELEVATIONS: KB 7943 FT DF GL 7917 FT	7 7S 93W RU 44-7 PAD NABORS 576
SEC <u>7</u> TWP <u>7S</u> RGE <u>93W</u>		DATE <u>22-Apr-2015</u>	

