



FILE NO: CH094746	COMPANY WELL FIELD COUNTY	WPX ENERGY YOUBERG RU 341-7 RULISON GARFIELD	STATE CO
API NO: 05045223440000			
Version 7 7S 93W RU 42-7 PAD NABORS 574	LOCATION: SHL: 2445' FNL & 379' FEL BHL: 768' FNL & 347' FEL SEC 7 TWP 7S RGE 93W	OTHER SERVICES NONE	
PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL ELEVATION 7737 FT KB 26 FT ABOVE P.D. KB	ELEVATIONS: KB 7763 FT DF GL 7737 FT	

DATE	08-Feb-2015
RUN	1
SERVICE ORDER	US094746
DEPTH DRILLER	10157 FT
DEPTH LOGGER	10124 FT
BOTTOM LOGGED INTERVAL	10114 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	9:00
TIME FINISHED	13:00
OPERATOR RIG TIME	4 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	89 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	65 FMIN
MAX. RECORDED TEMP.	241 DEGF
REFERENCE LOG	BAKER HUGHES OPEN HOLE
REFERENCE LOG DATE	16-Jan-2015
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	0 FT	1125 FT
8.75 IN	1125 FT	10159 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			0 FT	1125 FT
4.5 IN	11.6 LB/F	P-110	0 FT	10159 FT

REMARKS

RUN 1 TRIP 1: All data on this log is shifted and depth matched using the Gamma Ray curve to the Baker Hughes HDIL/ZDL/CN/GR log dated 16/JAN/2015 at the client's request.

The depth matching process creates potential for collar lengths to vary from those recorded on other cased hole wireline units without a Gamma Ray reference.

The amount of linear shift is 4 feet

Logged with zero PSI at wellhead.

BHT = 241 degF
SJ = 6644' - 6657'

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10154957	CENTRALIZED
1	1	GR/CCL	2459XA	10218503	CENTRALIZED

PRIMARY PRESENTATION 0 PSI

ECLIPS 6.2wu1 PC-ECLIPS General Release Rel 6.2w Update 1 Fri Apr 25 10:54:53 Central Daylight Time 2014
Updates: 31 Patches: 2

Plotted: Sun Feb 08 18:13:13 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: D:\dat1a\094746\012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 30.750 ft BOTTOM DEPTH: 10131.892 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*)	177	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-74	us	"	"
BASLINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Feb 8 17:56:39 2015	CASING COLLAR LOCATOR
F1:FAMPN	Feb 8 17:56:42 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Feb 8 17:56:44 2015	FAR WAVE FORM
F1:GR	Feb 8 17:56:45 2015	GAMMA RAY
F1:TTN	Feb 8 17:56:47 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Feb 8 17:56:47 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

Plot Interval

: BHIBX9FSY1:D:\dat1a\094746\341CBL_PRIMARY.fvpdf [5"/100" Scale]

: 0 - 10129 Feet

Data File 1

Created On

Company

Well

Field

File Interval

OCT

: F1 : BHIBX9FSY1:D:\dat1a\094746\341CBL_MAIN.xtf

: Feb 8 17:56:39 2015

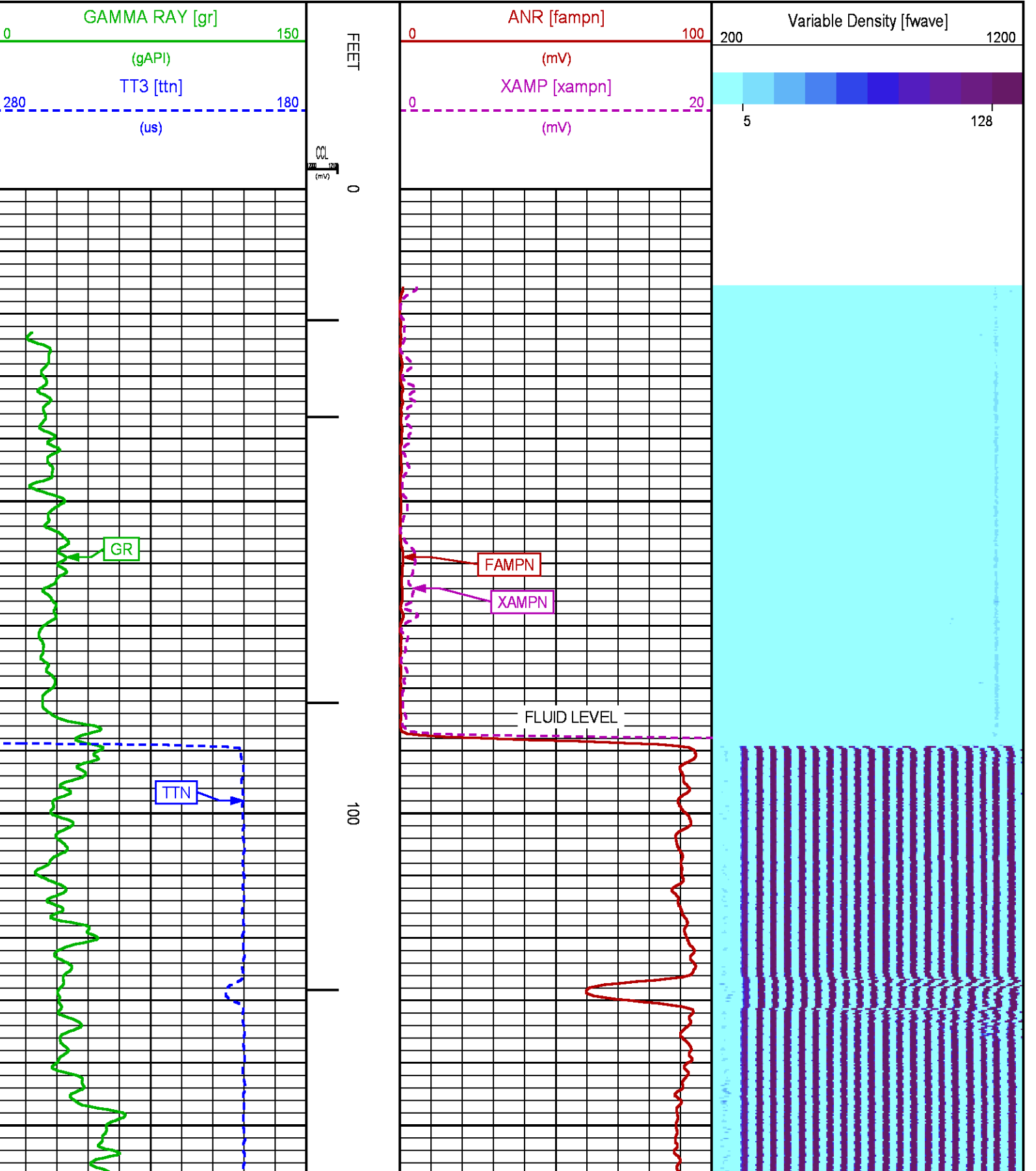
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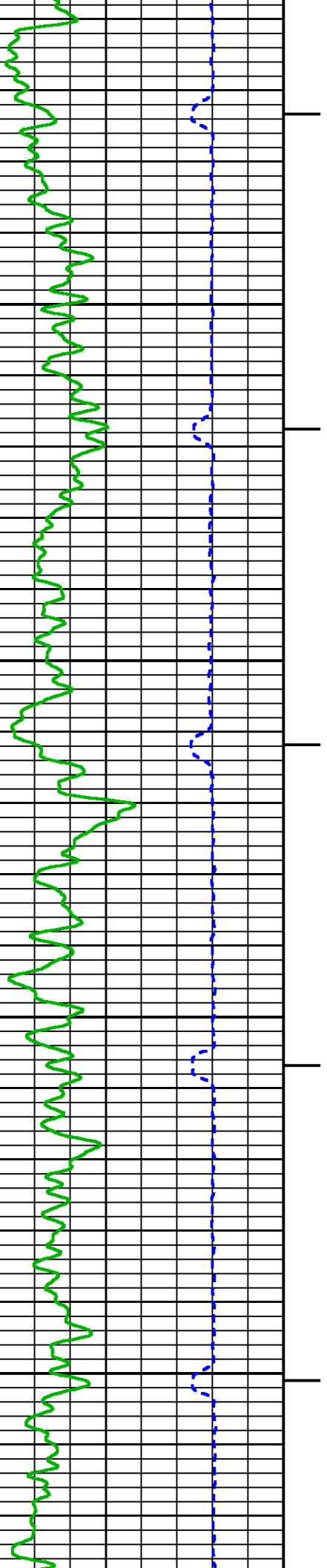
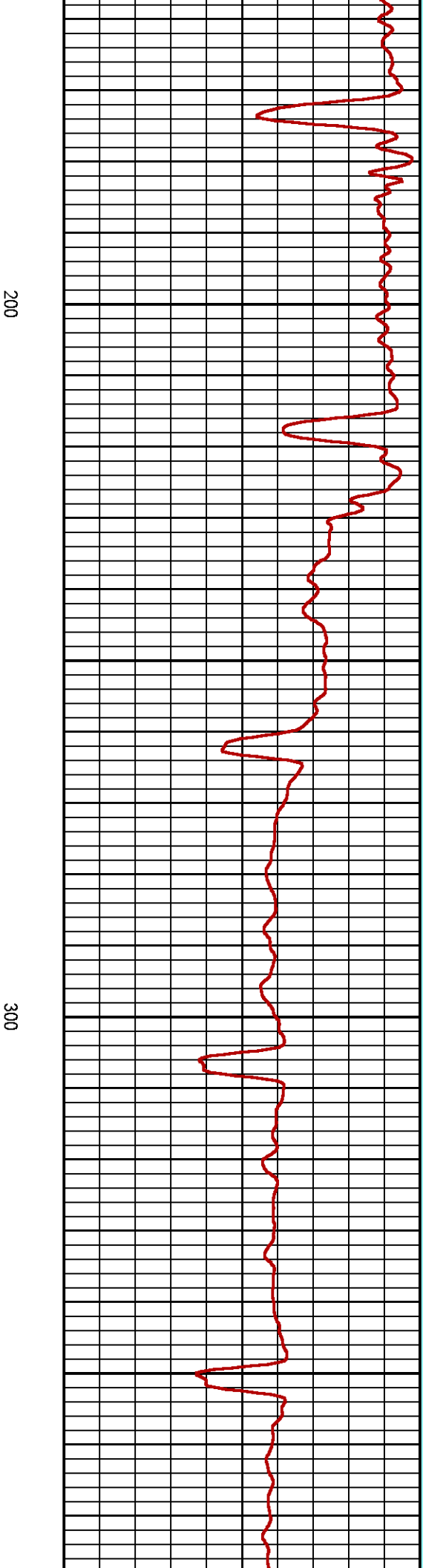
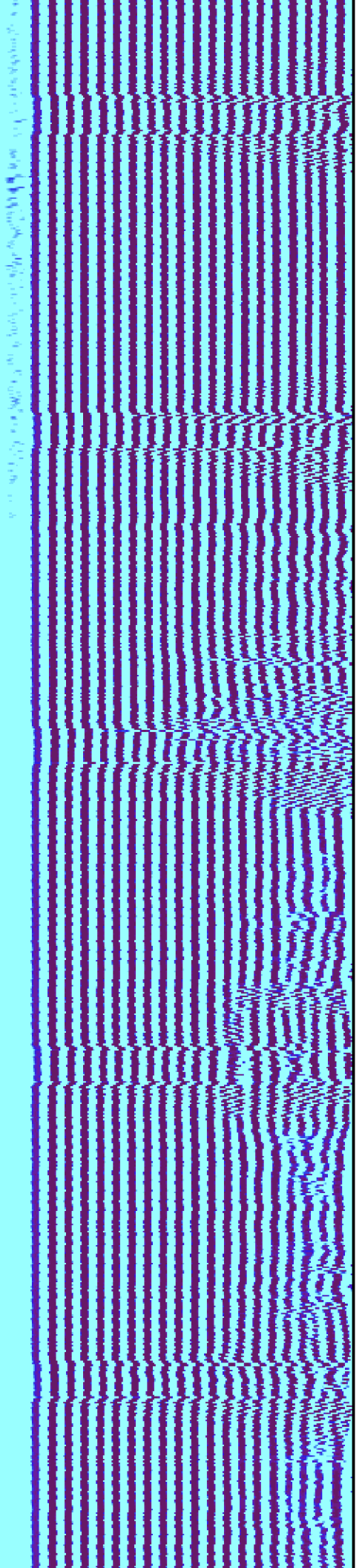
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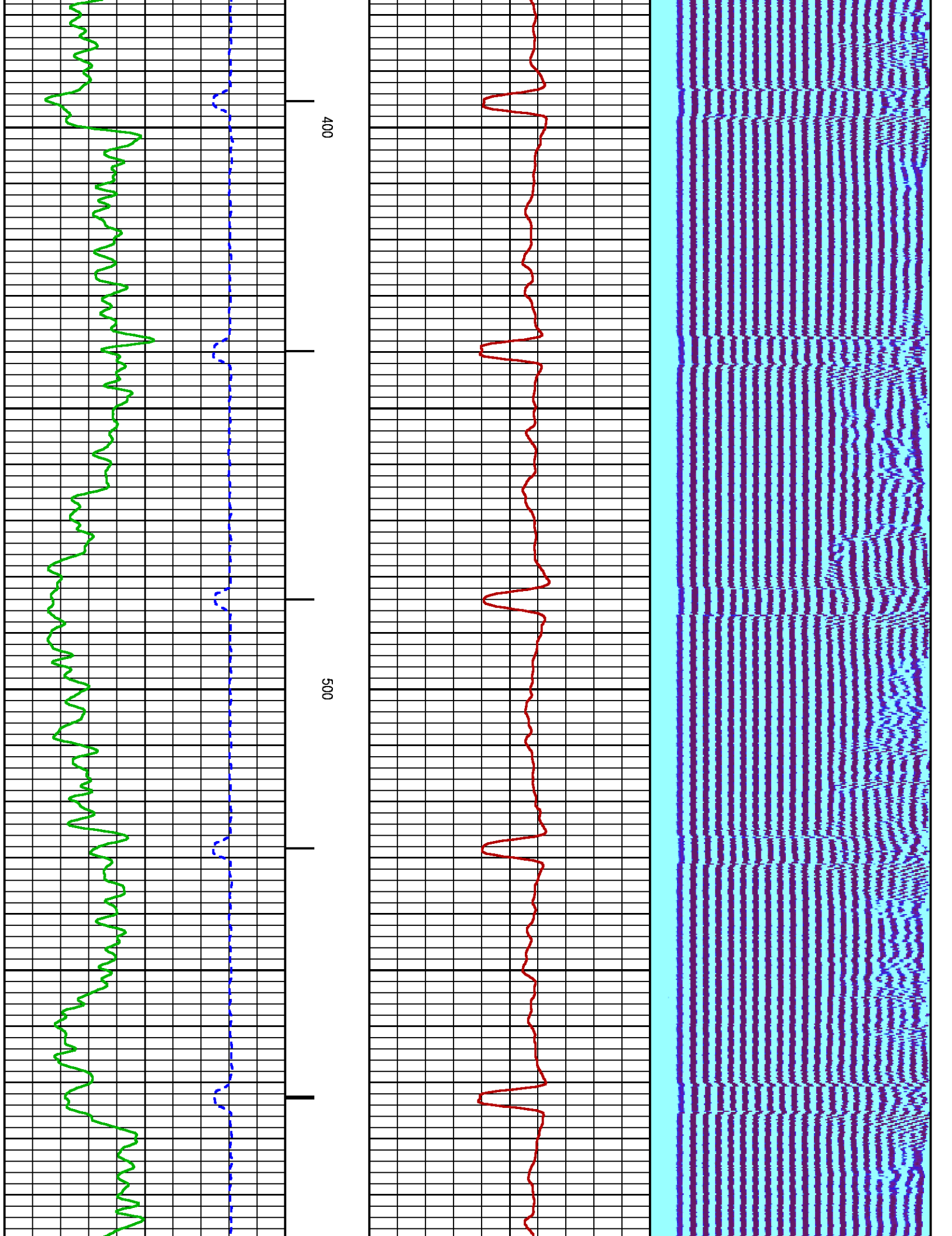
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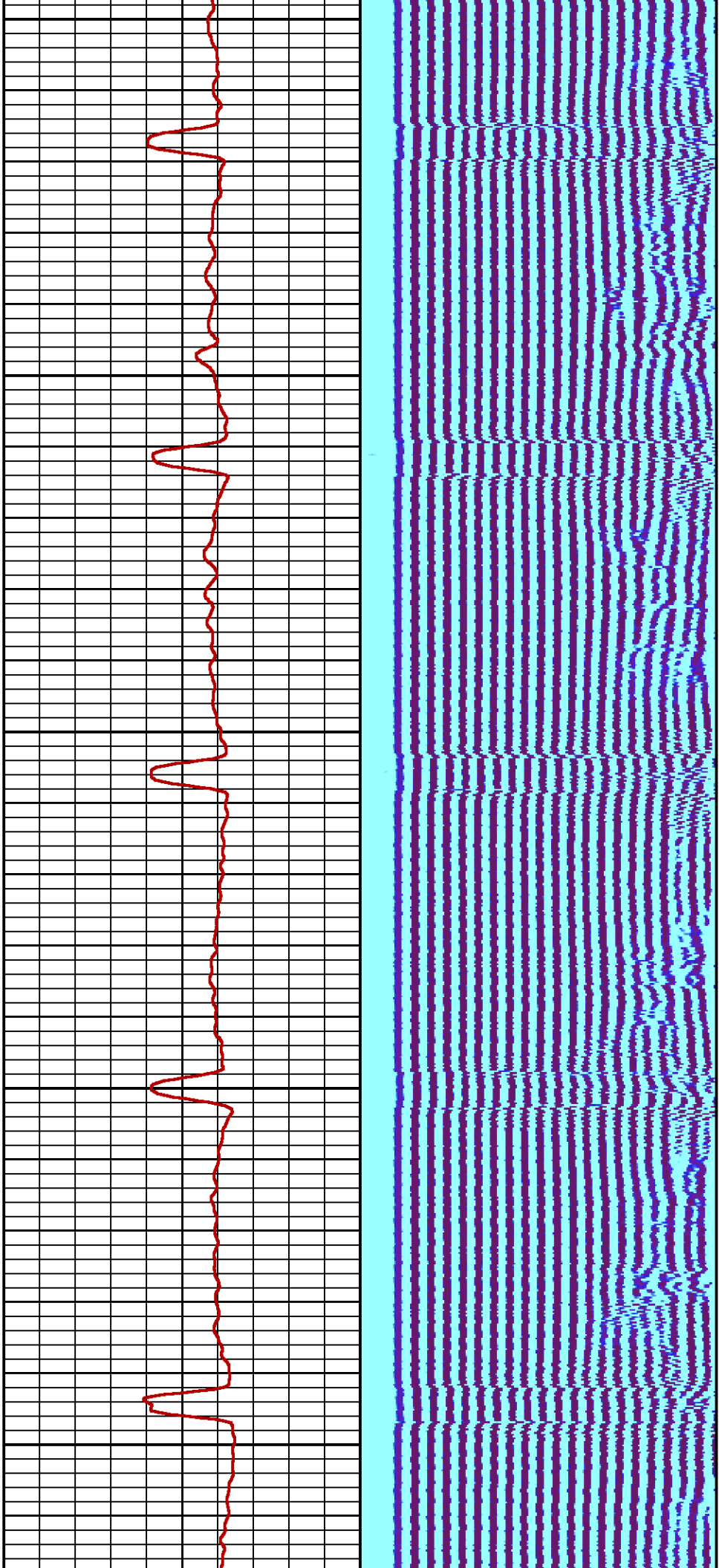
: 13.75 - 10128 Feet

: n012e





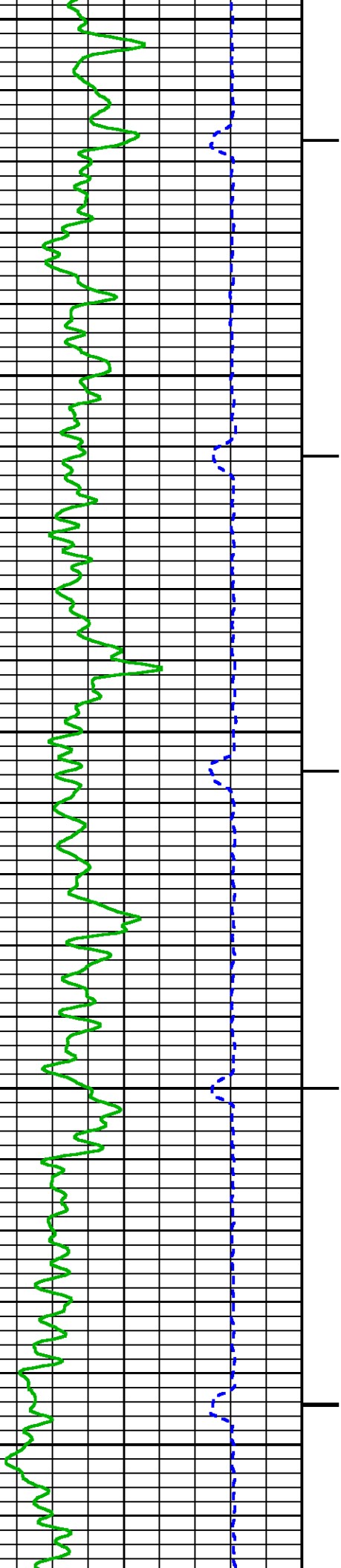


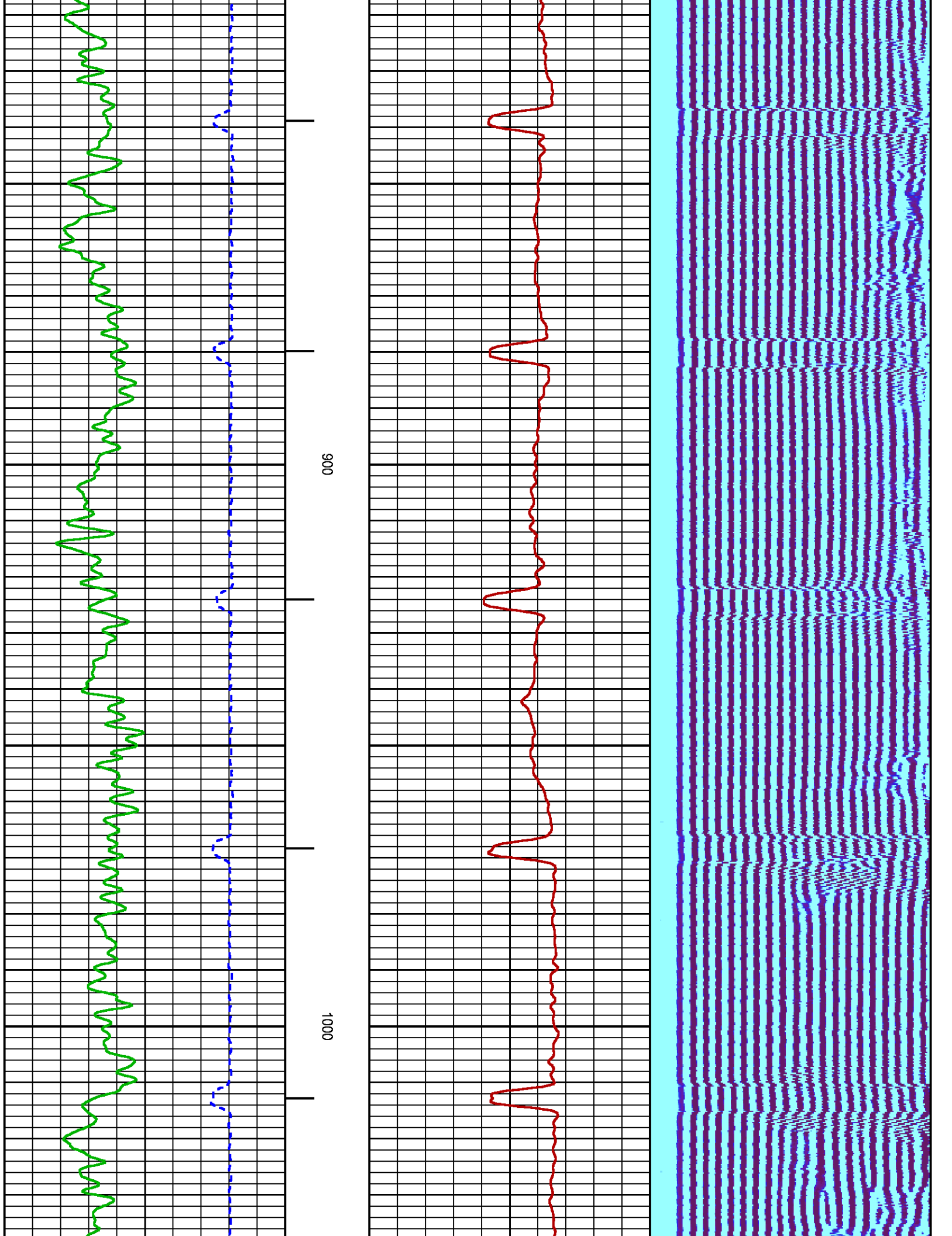


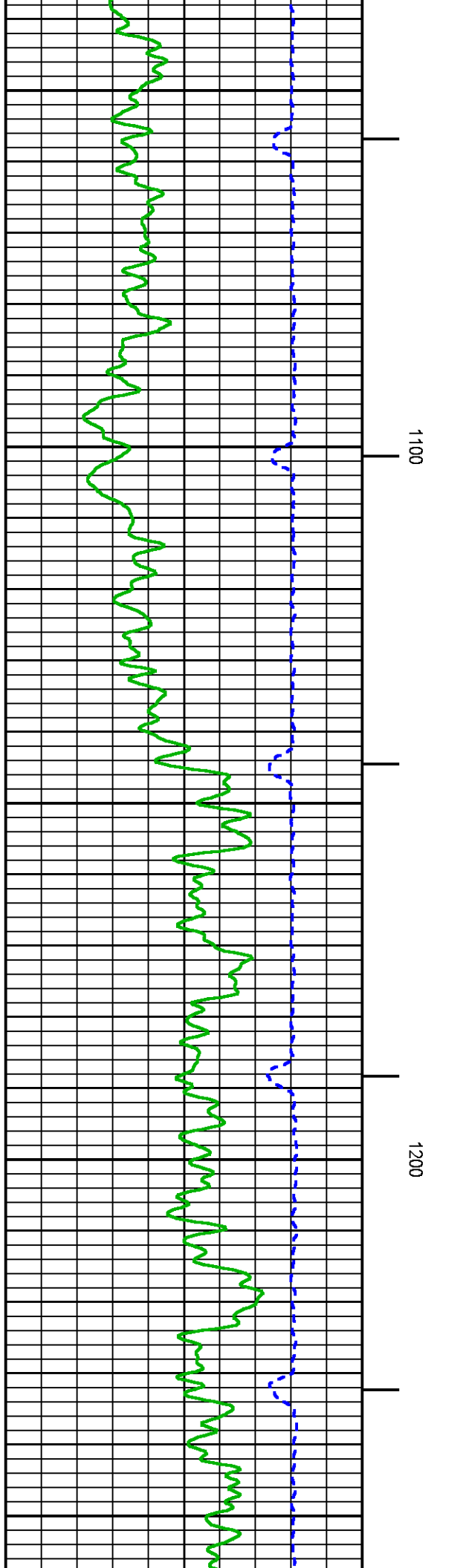
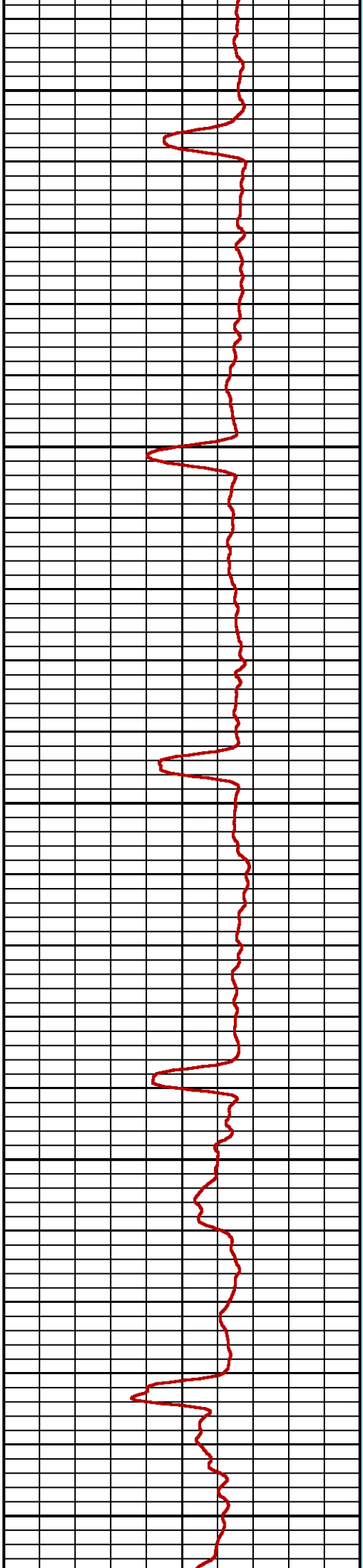
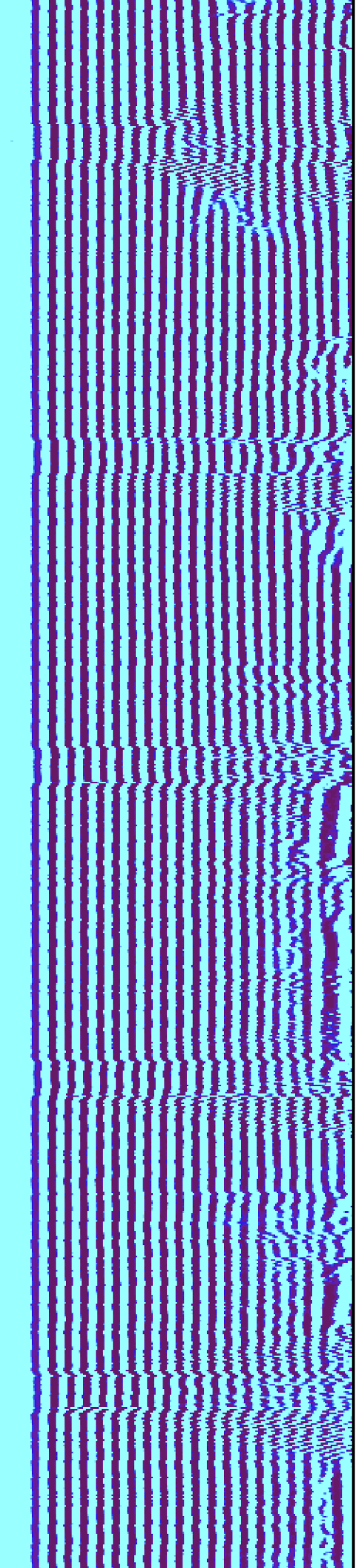
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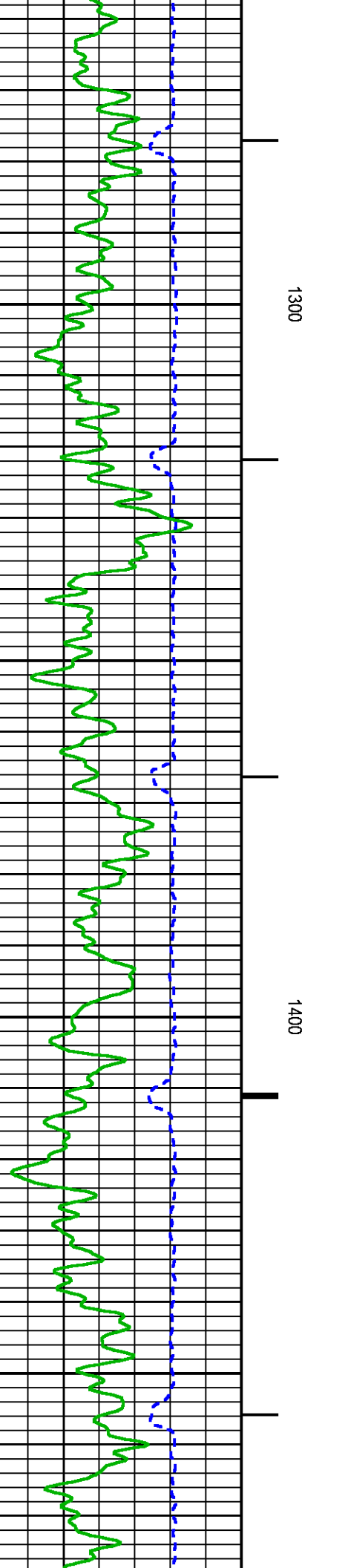
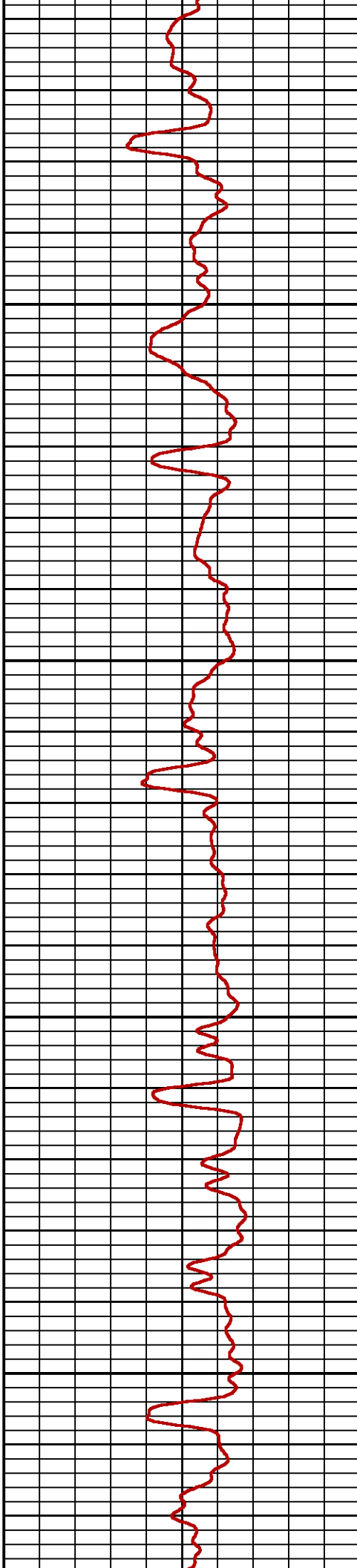
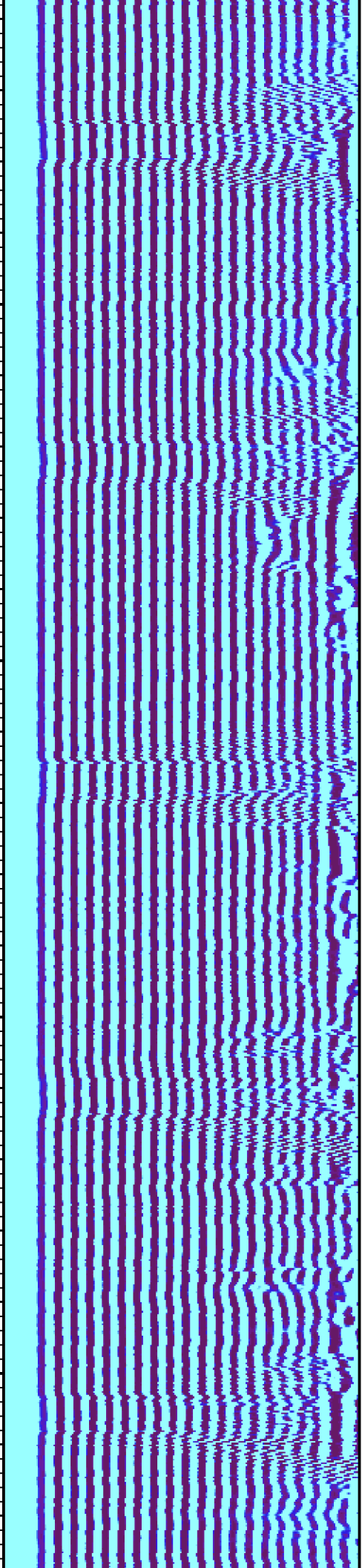
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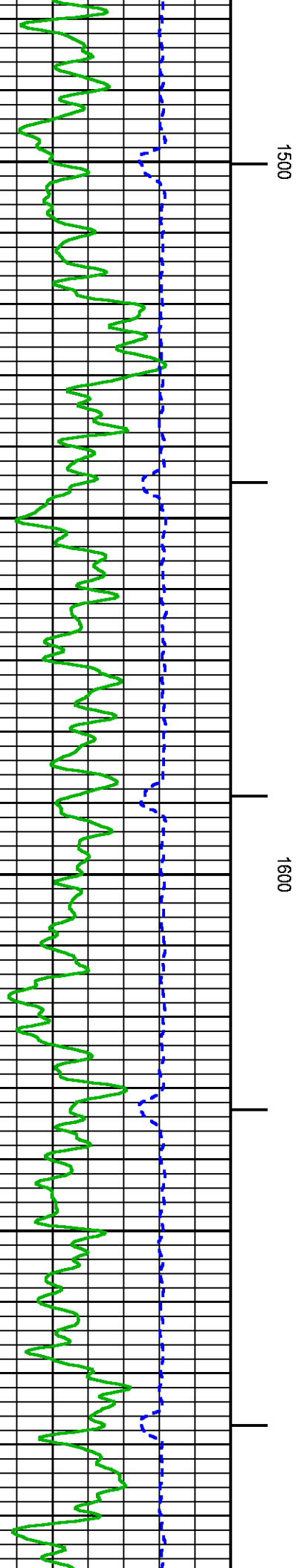
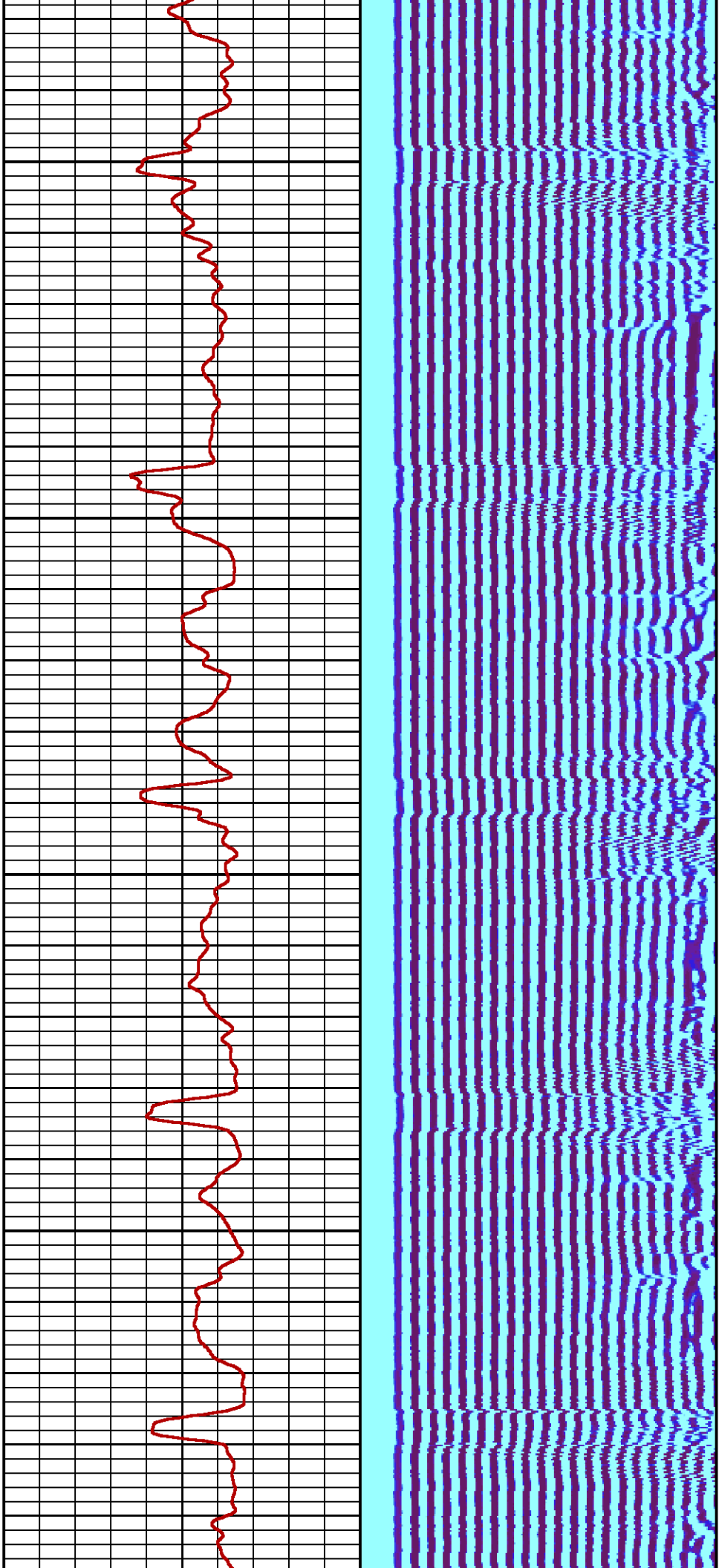
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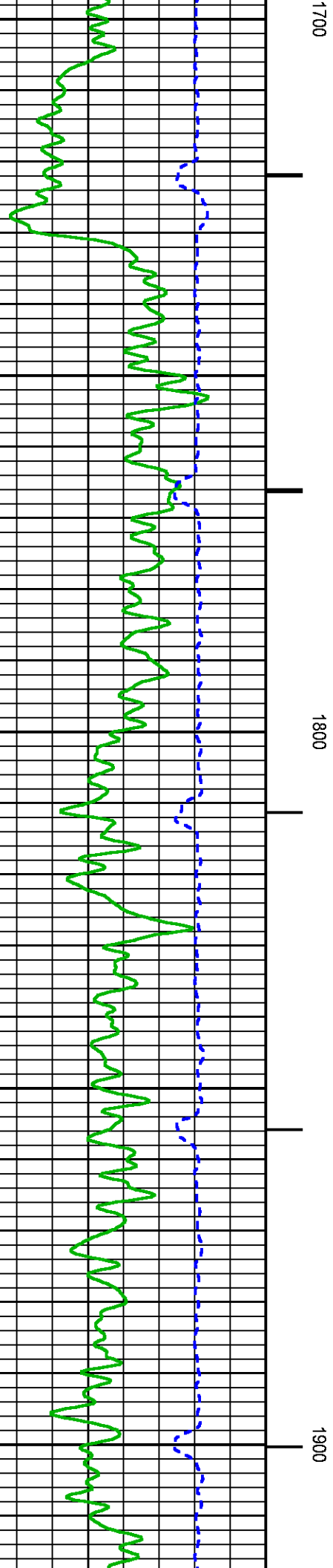
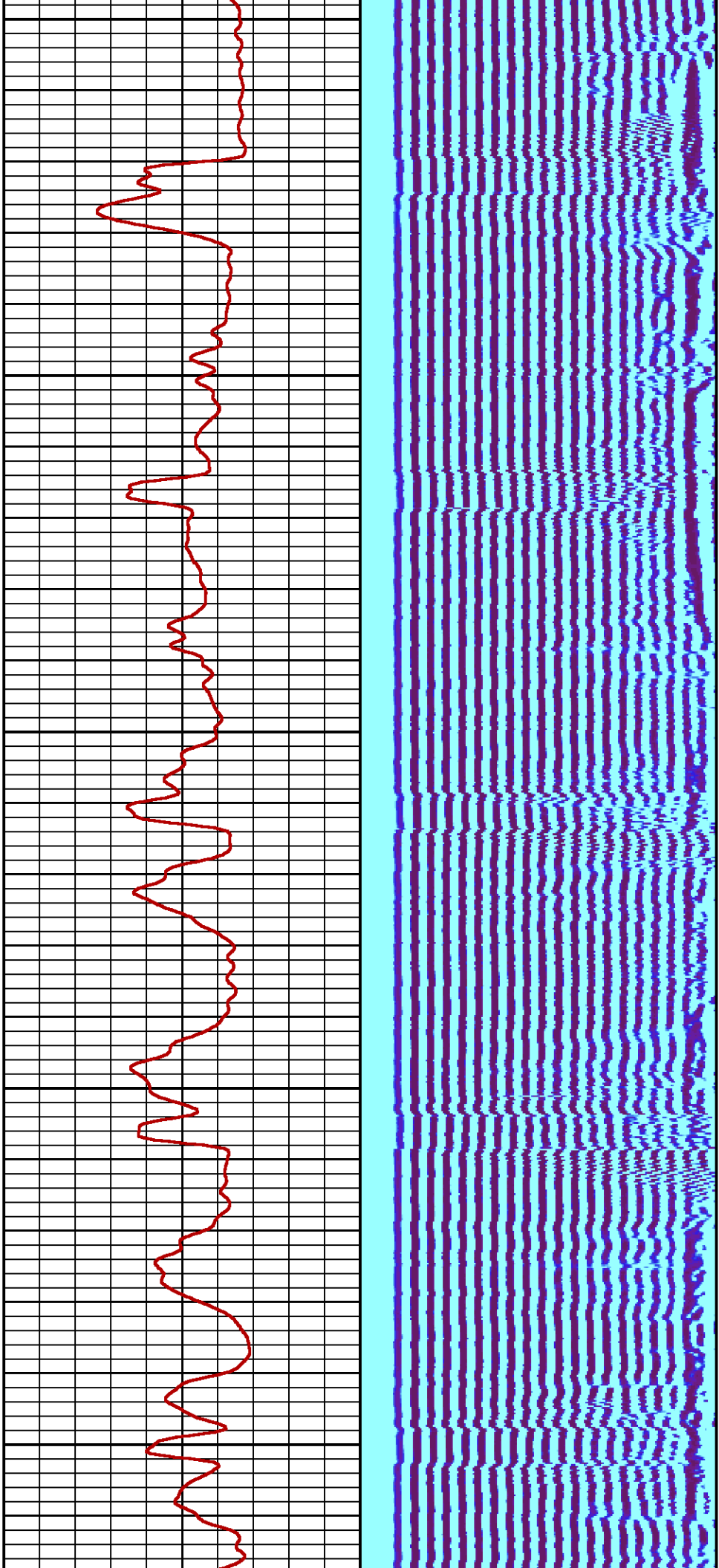


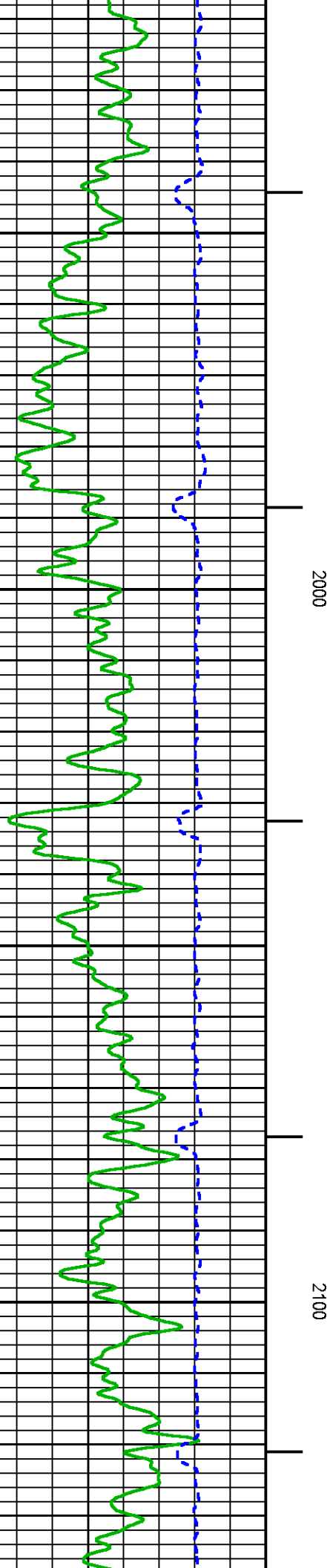
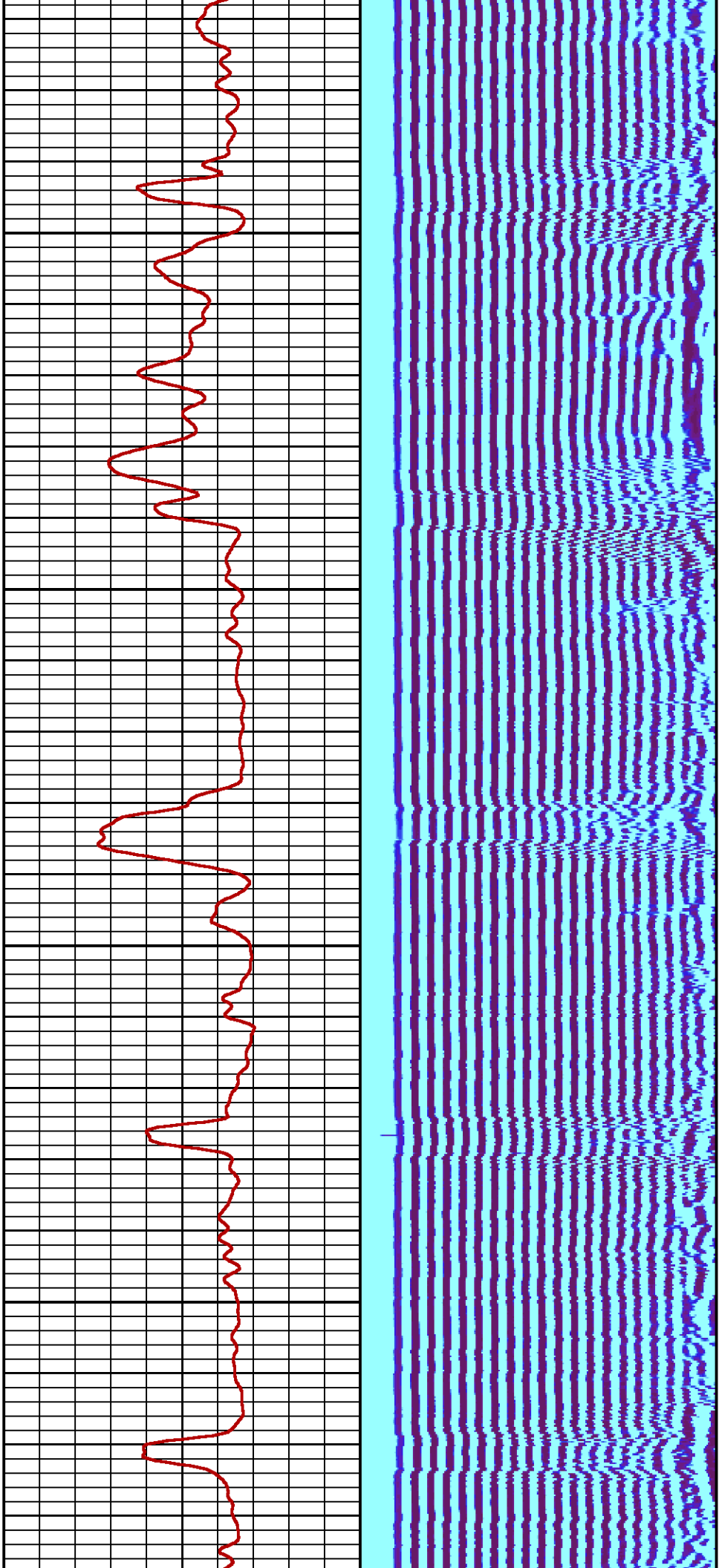


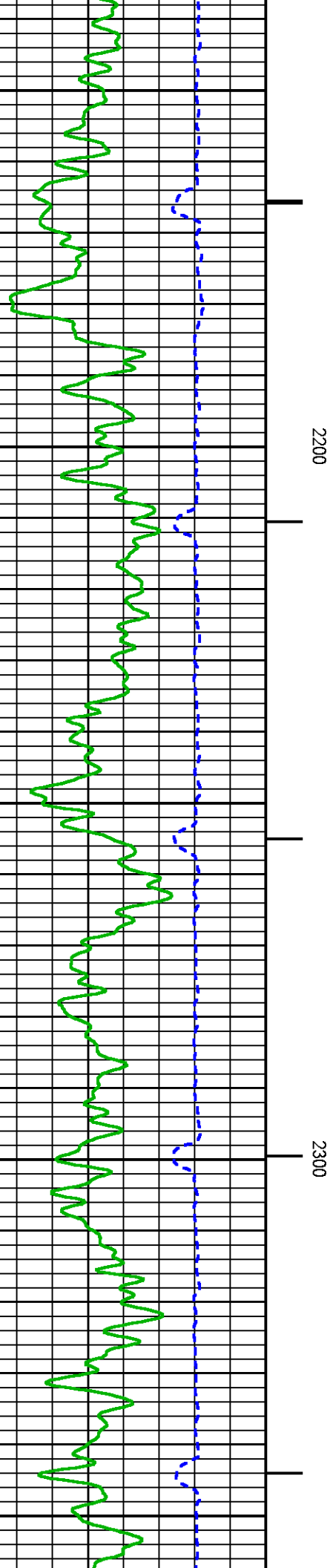
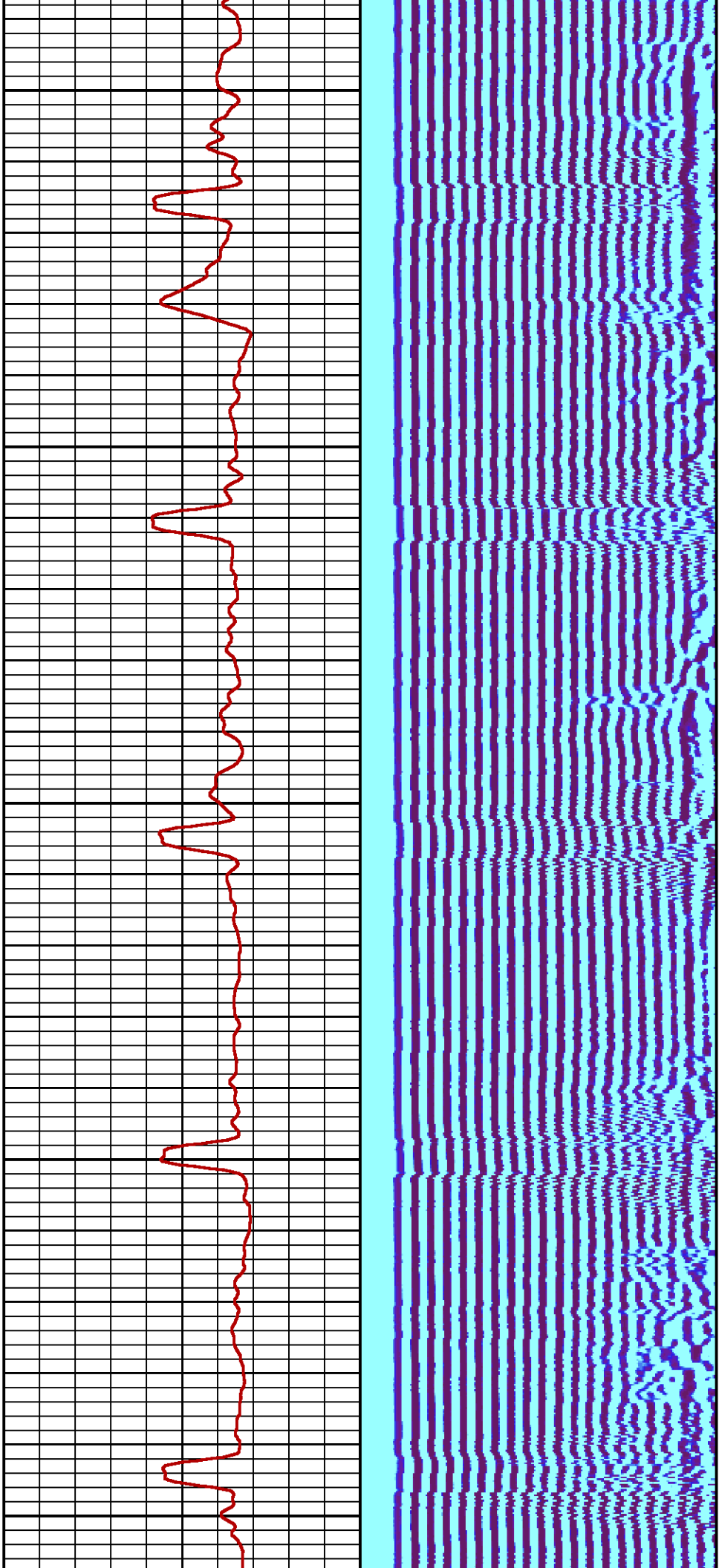


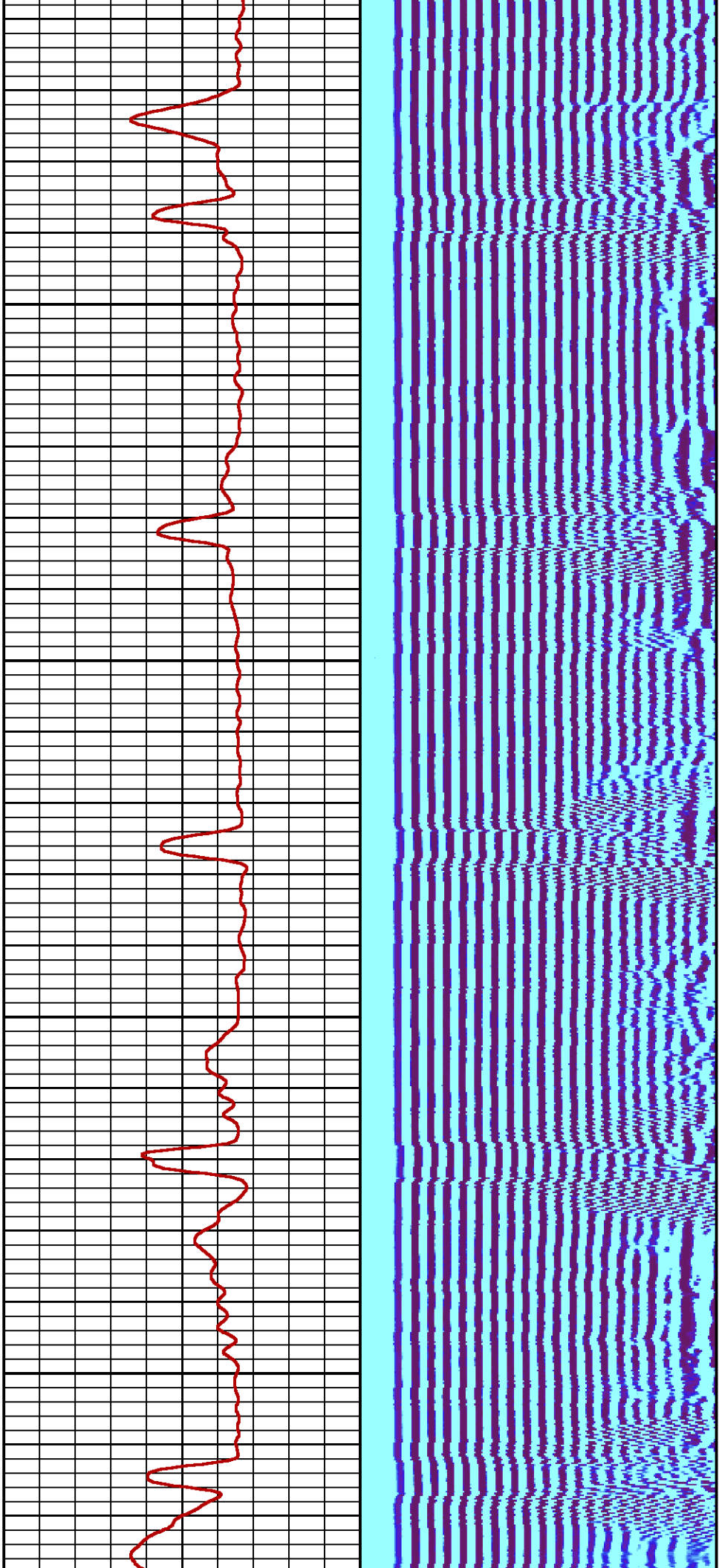






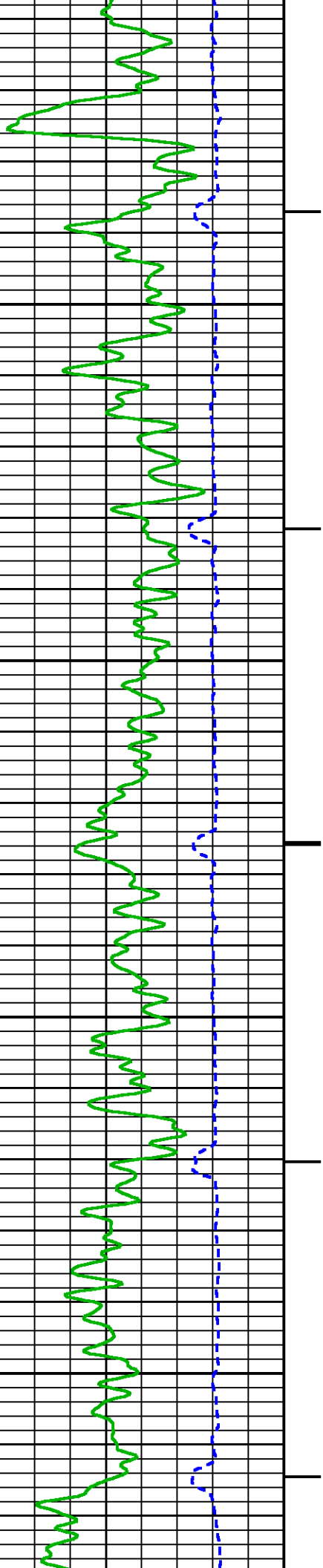


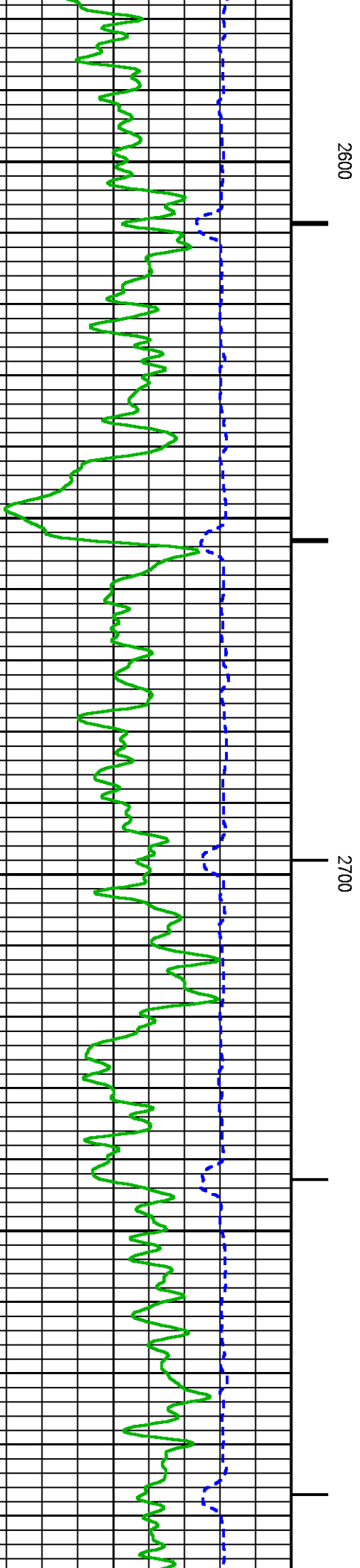
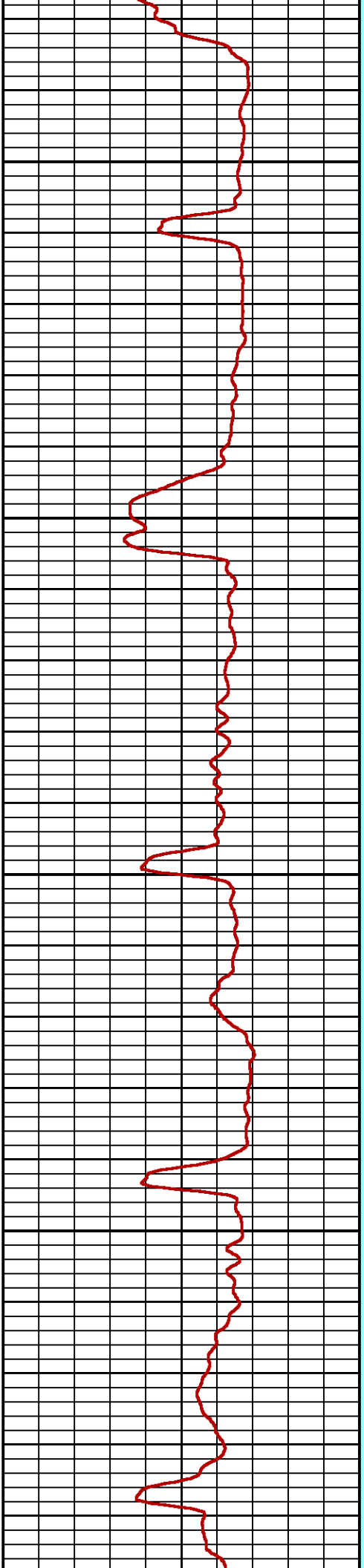
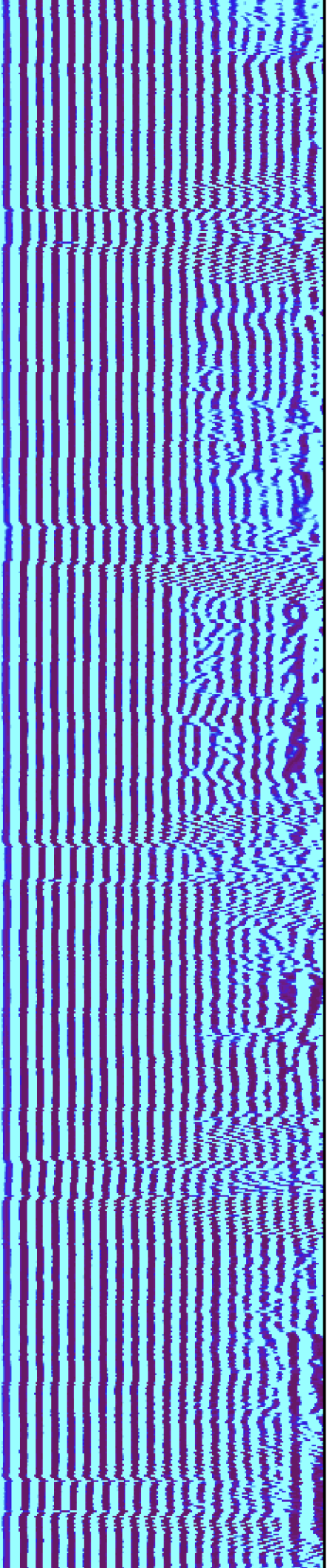


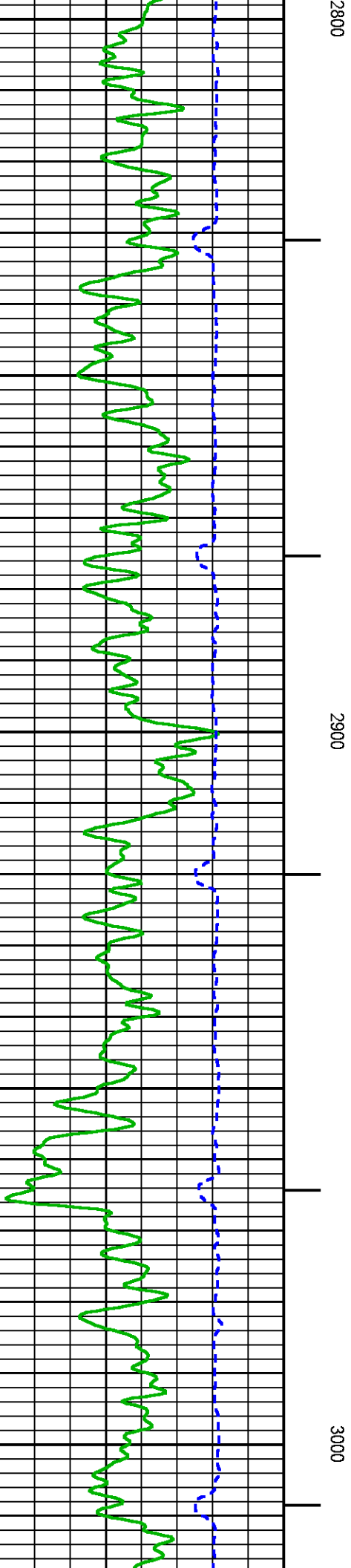
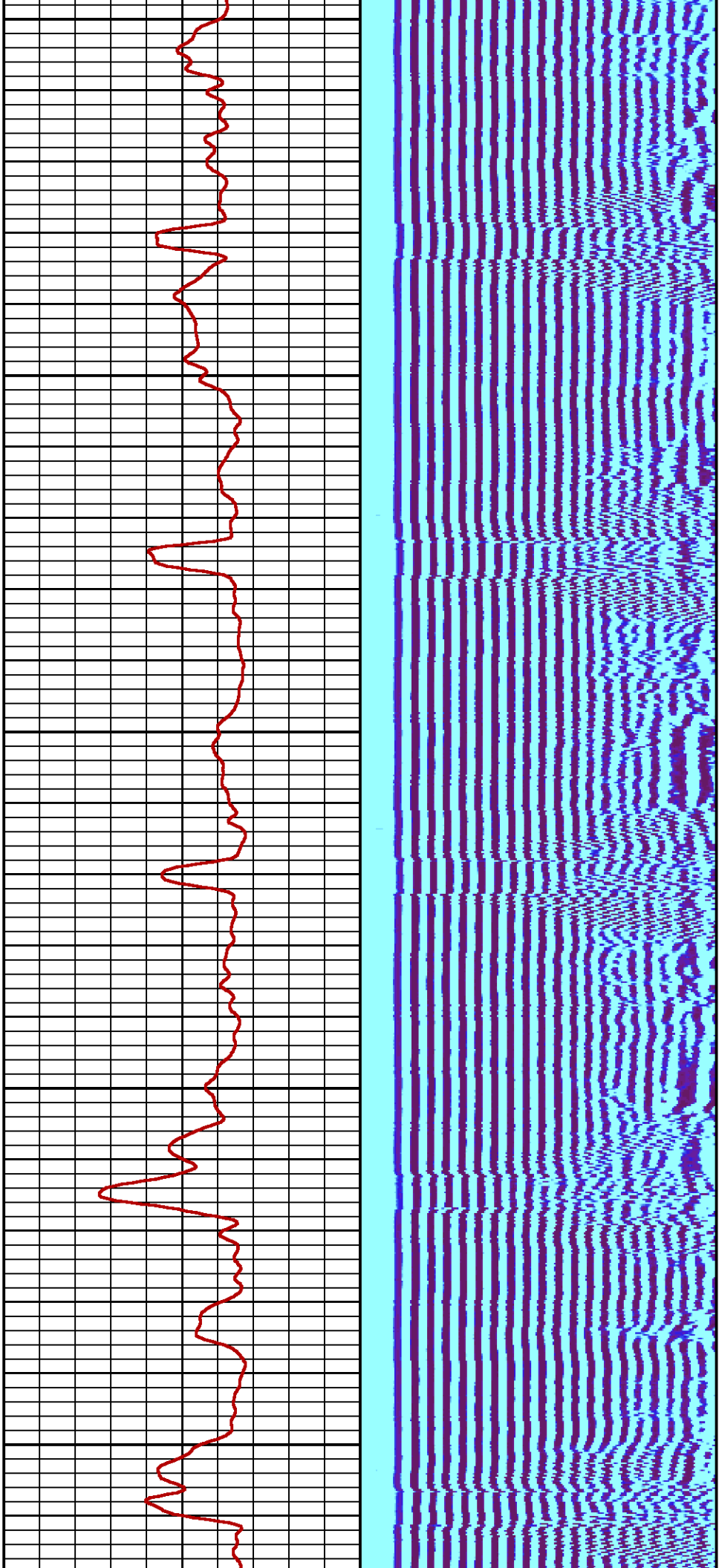


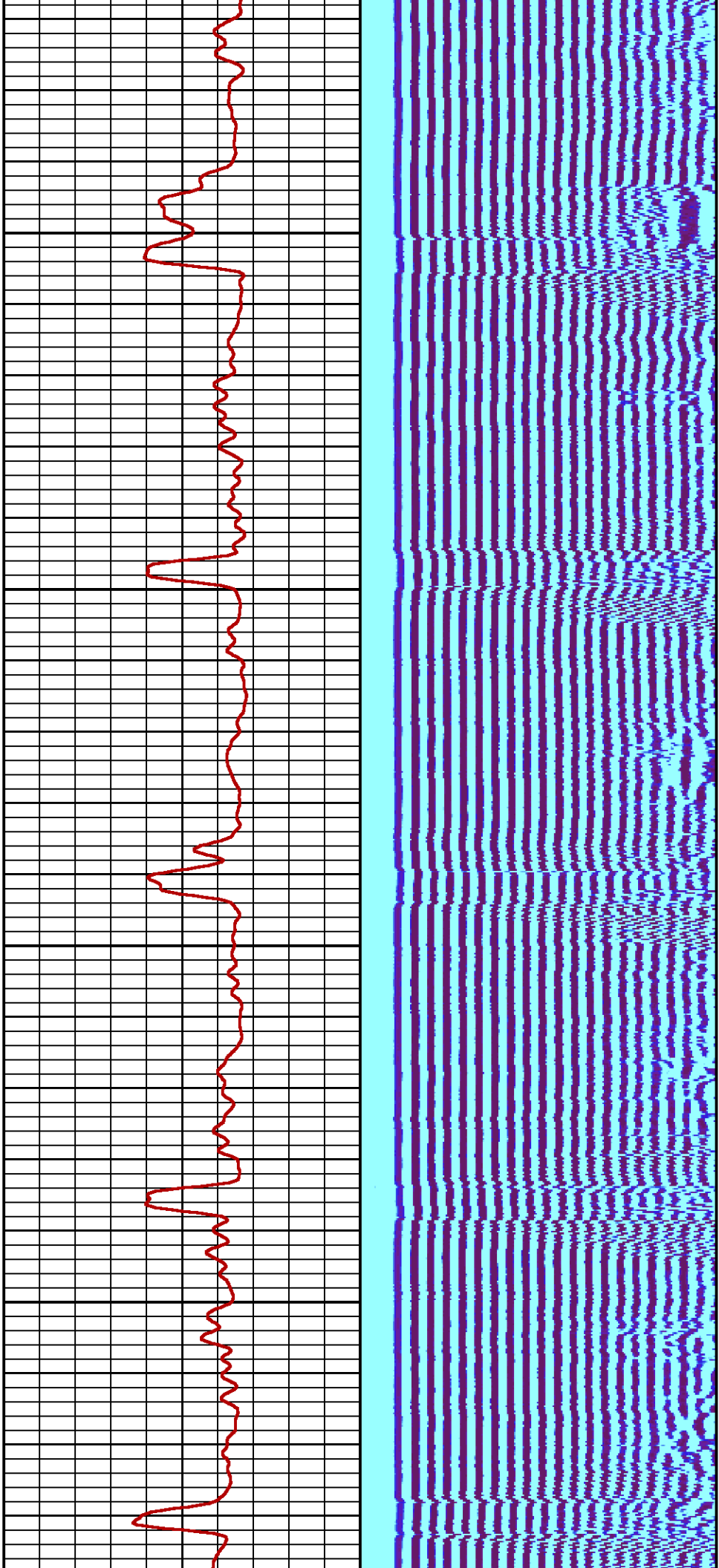
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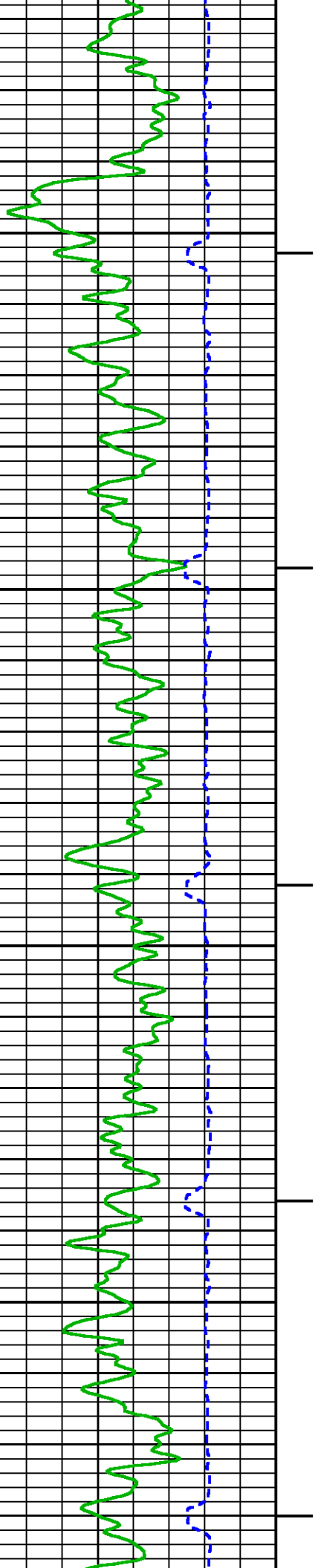


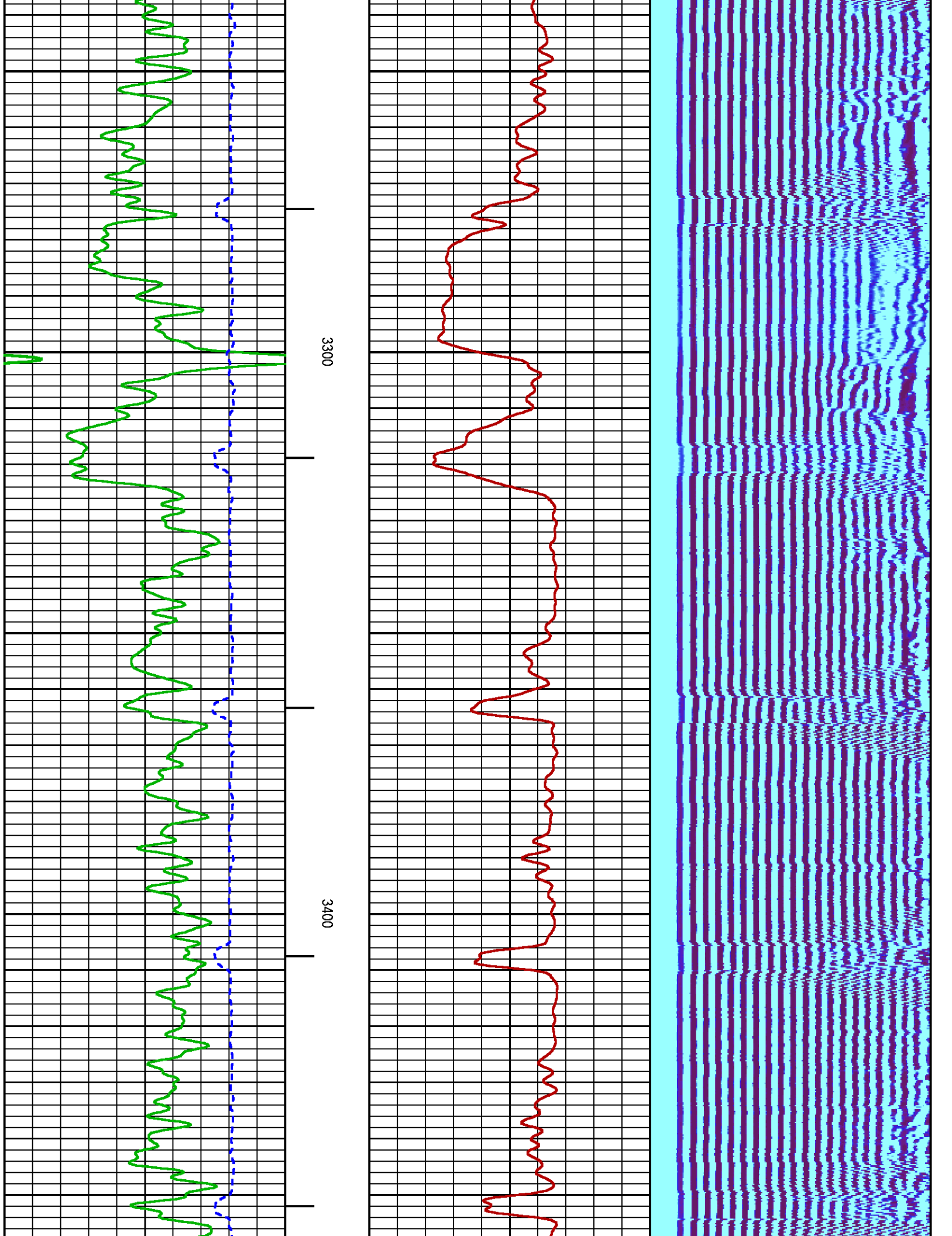


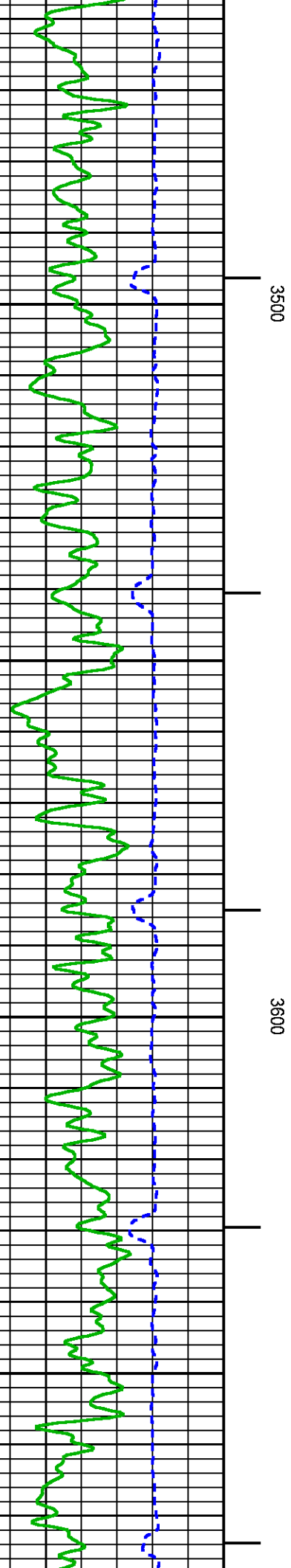
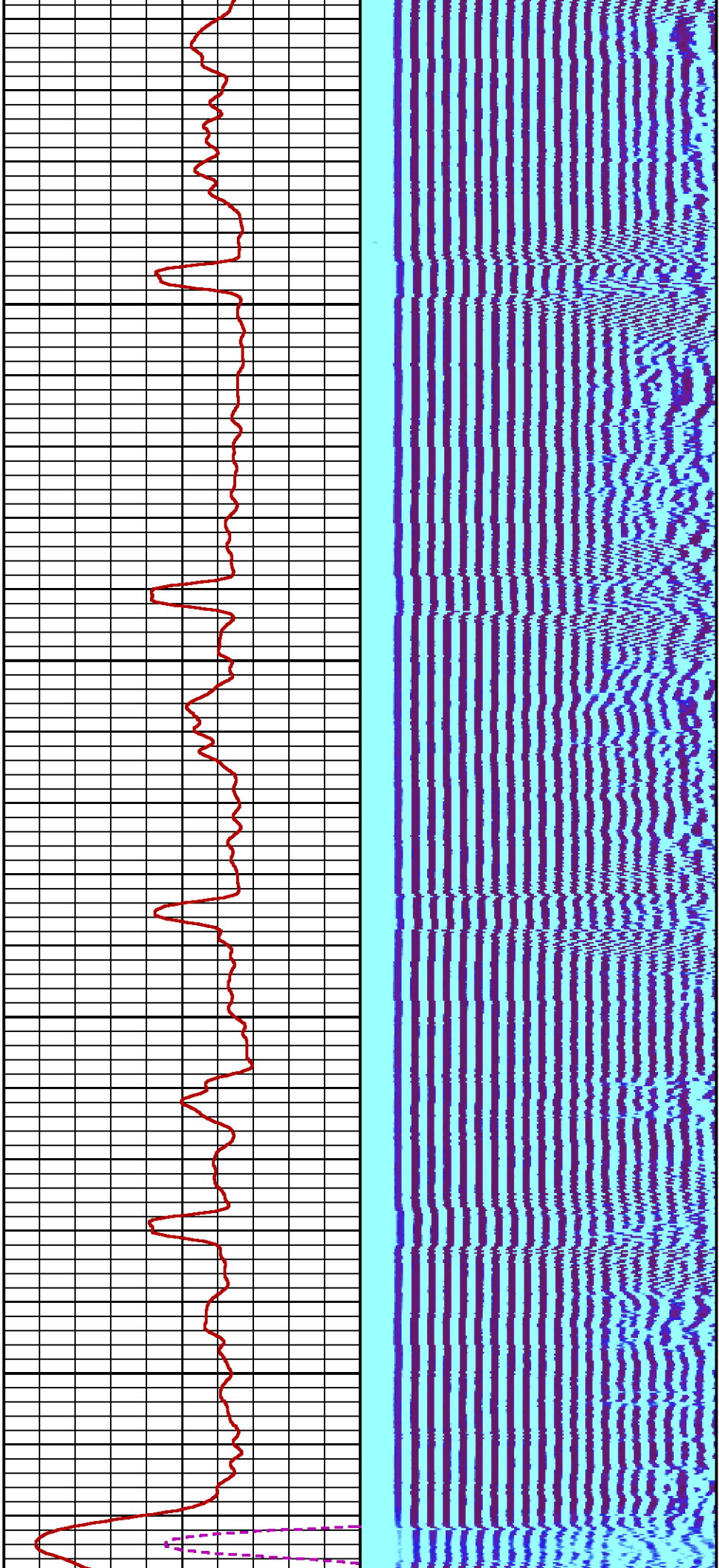


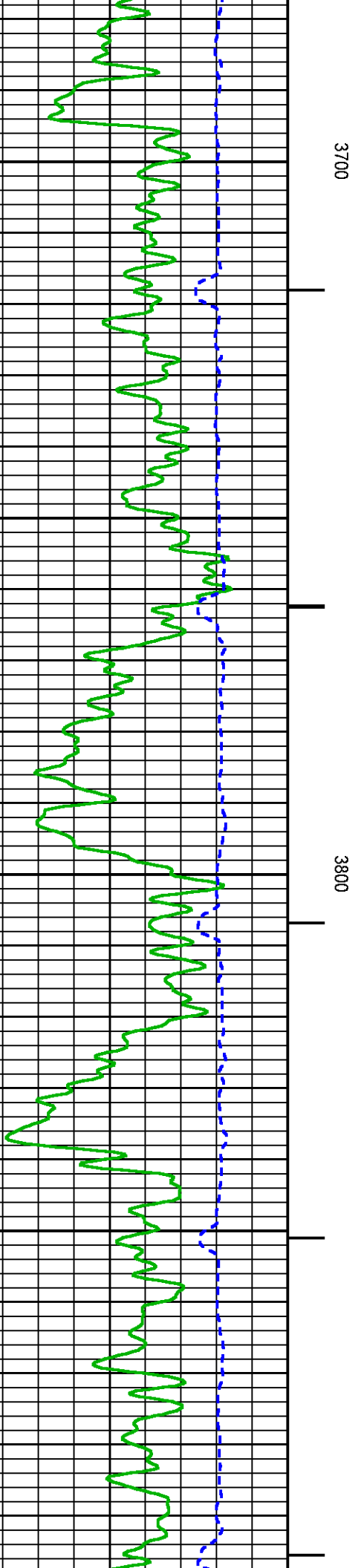
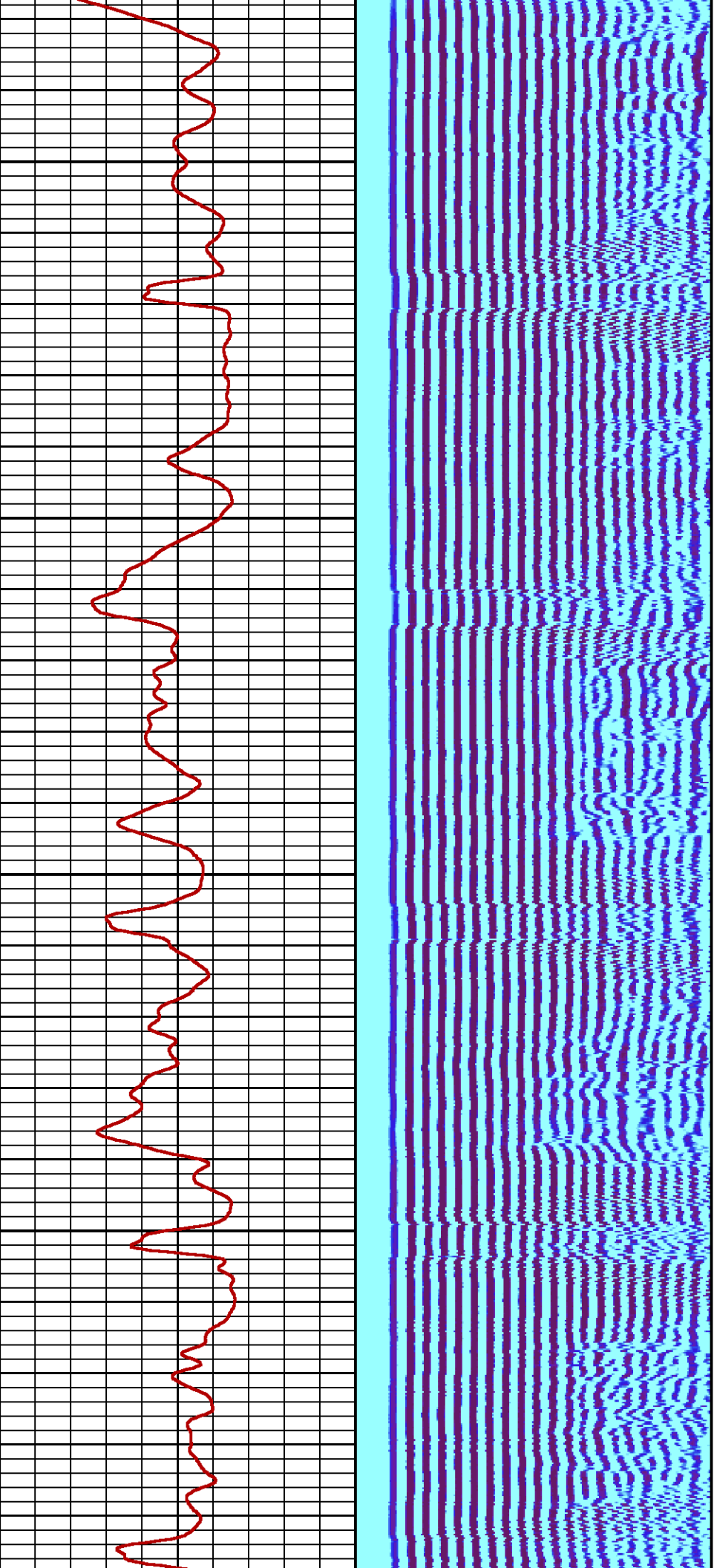
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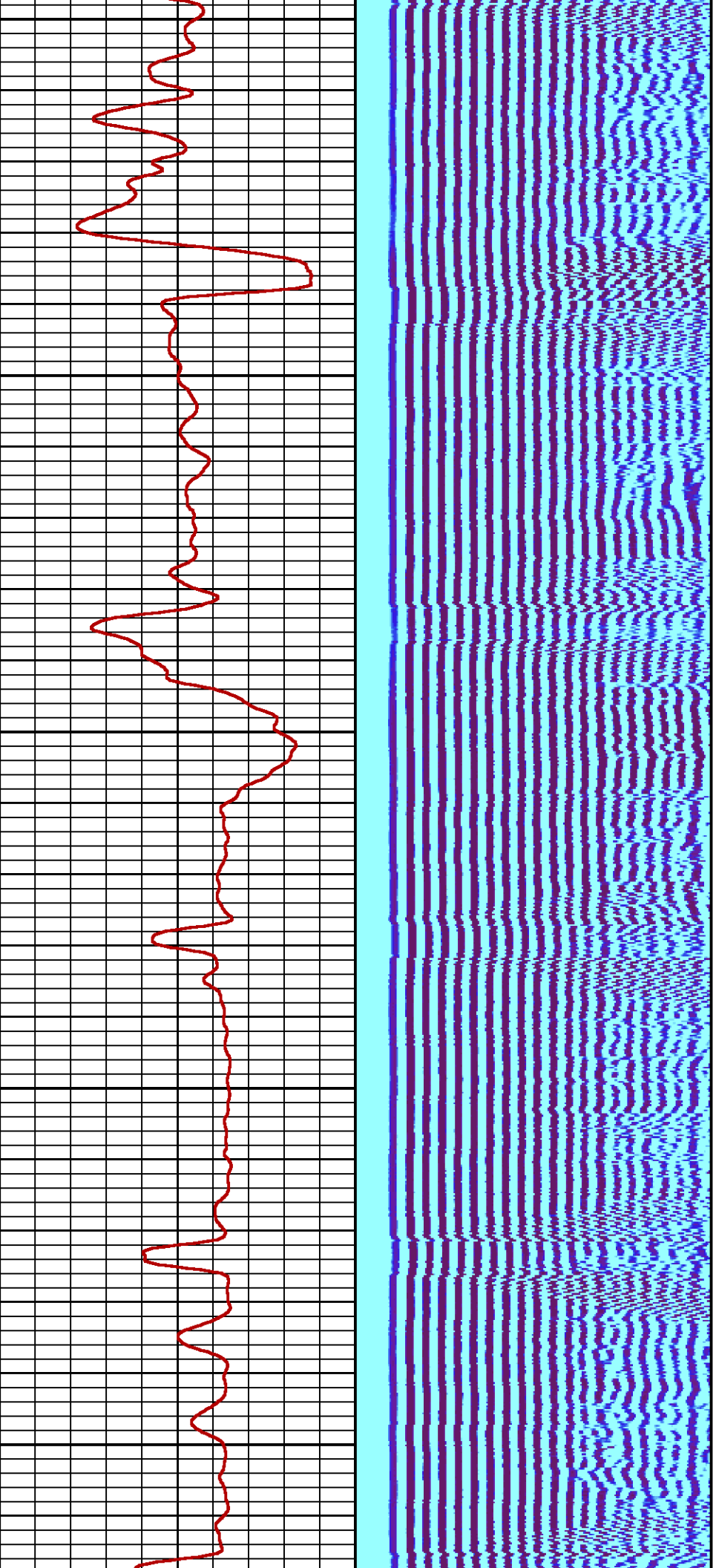
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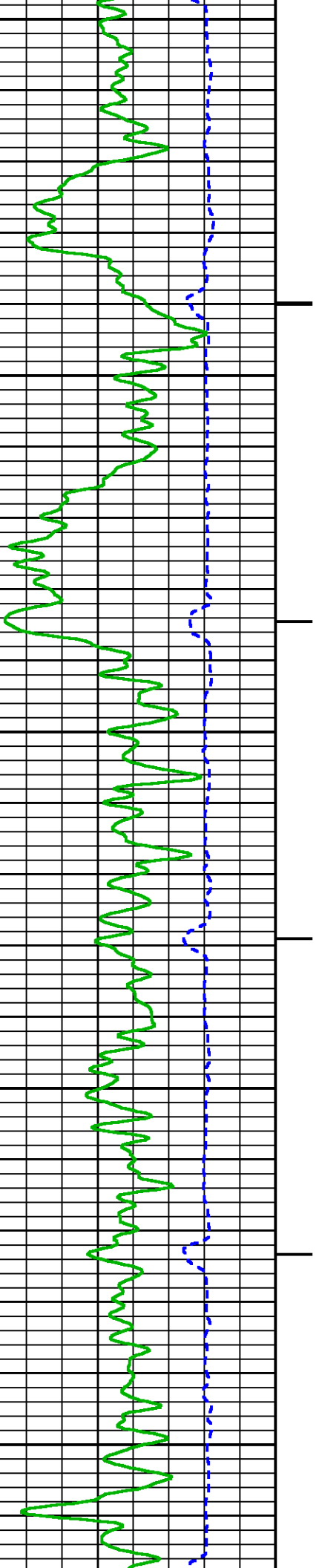


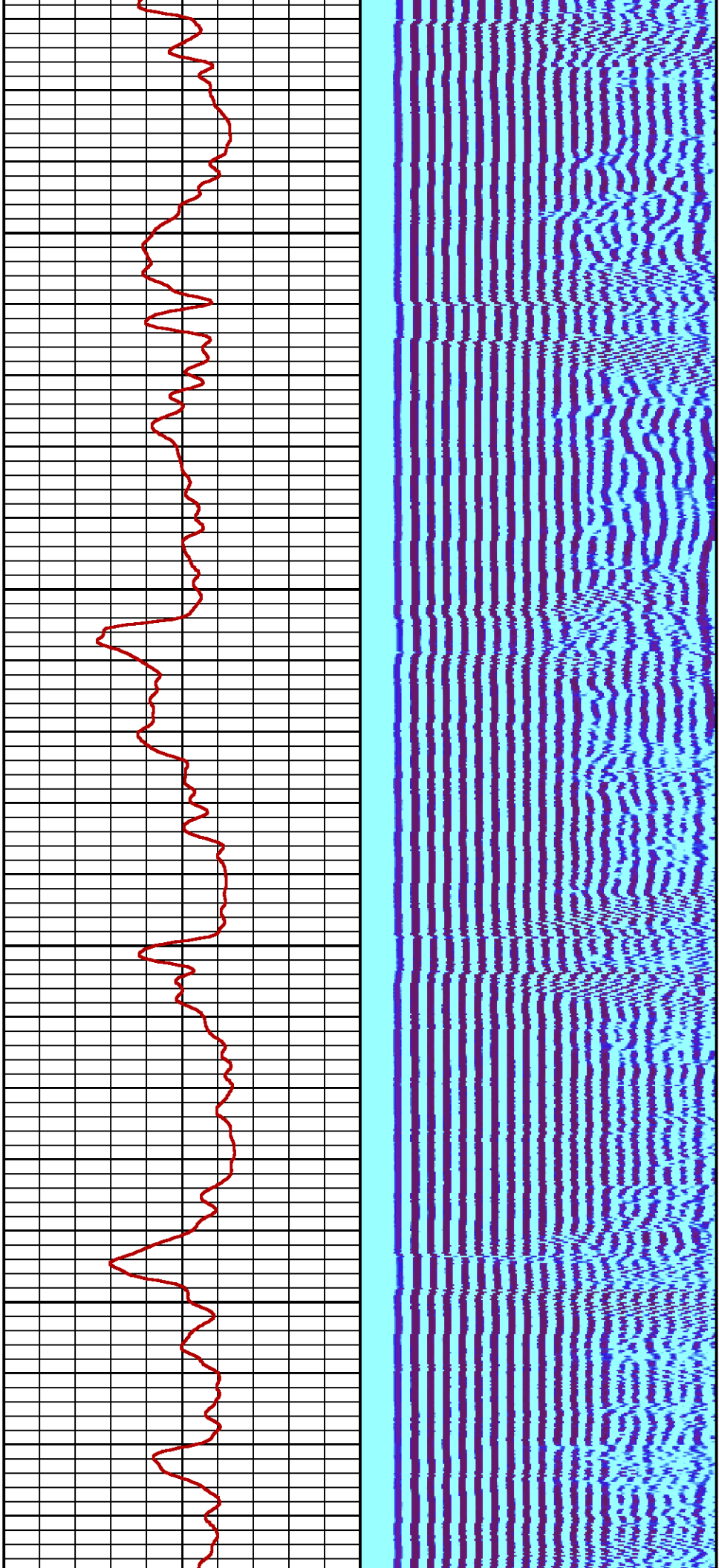


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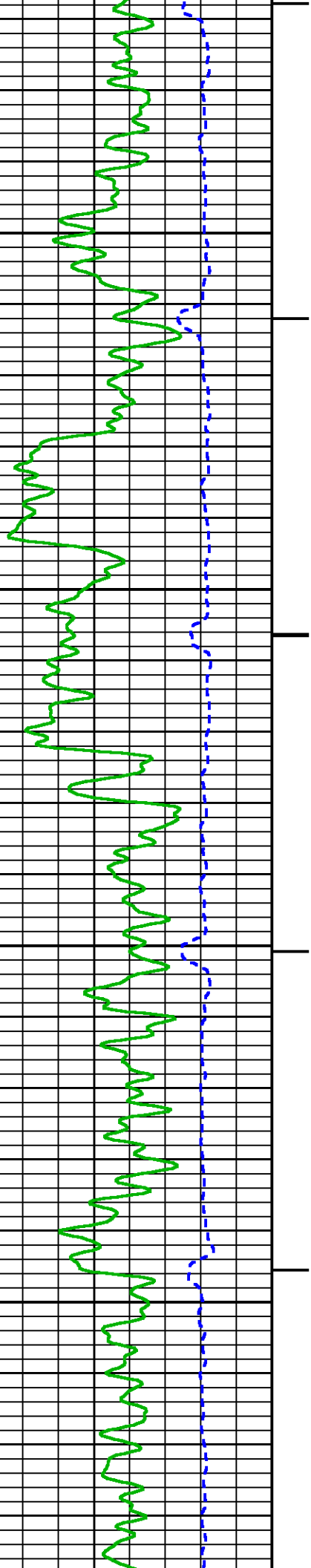
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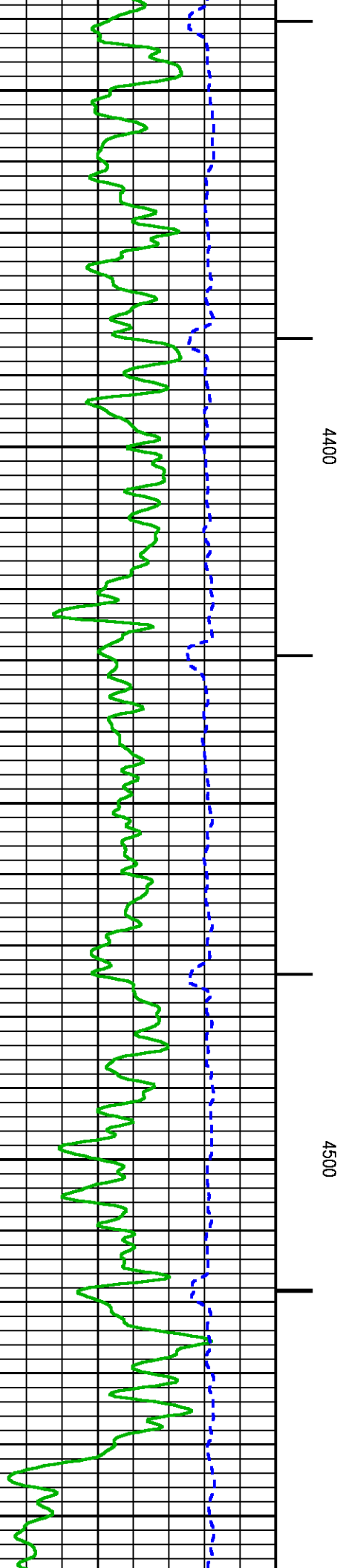
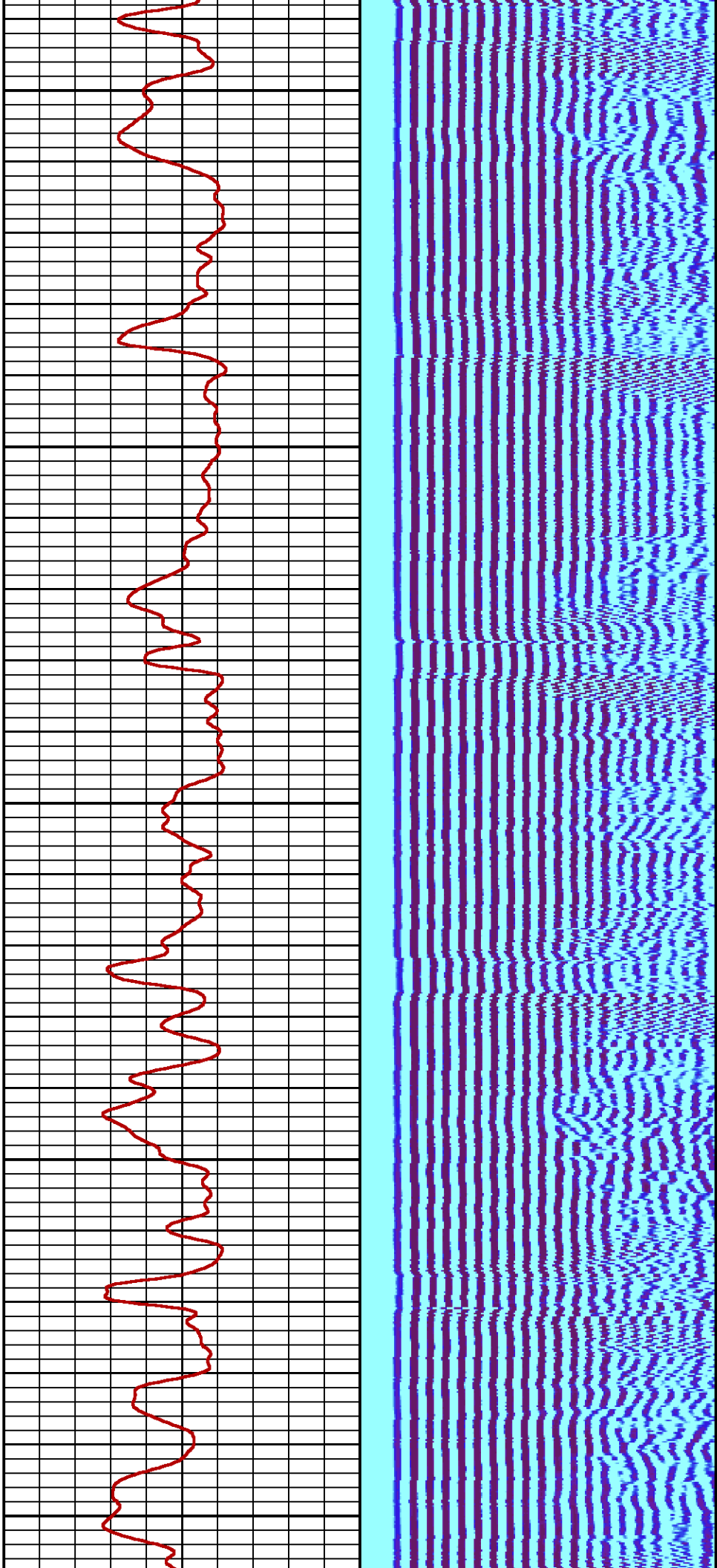


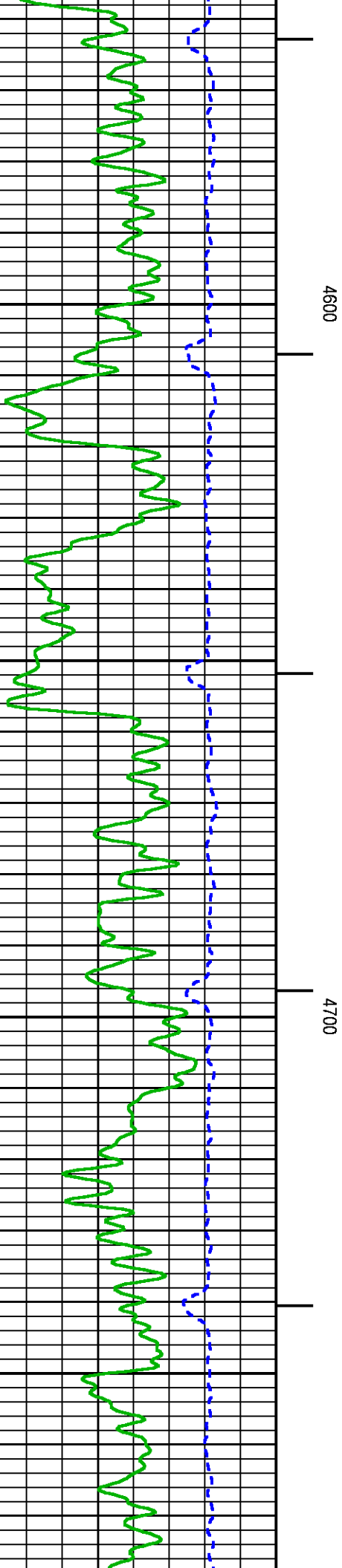
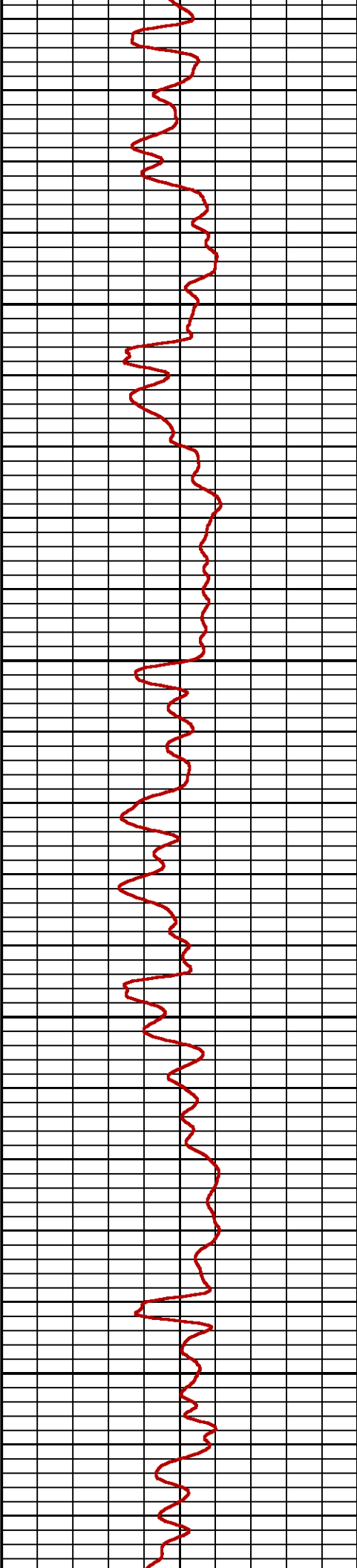
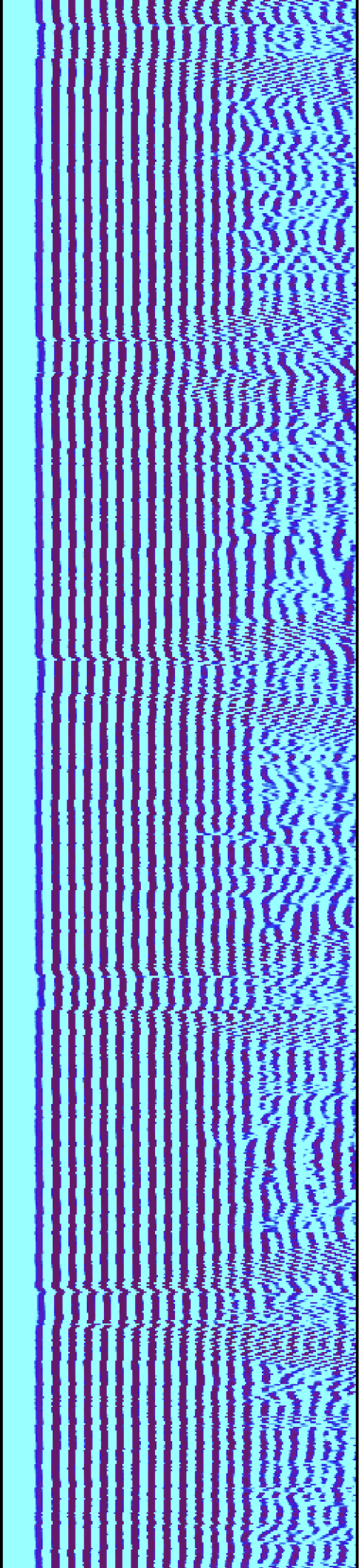


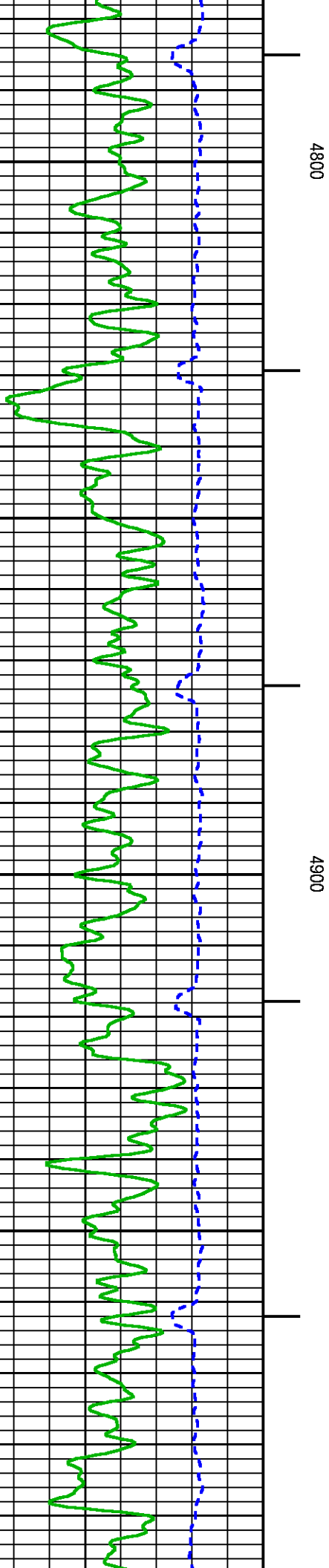
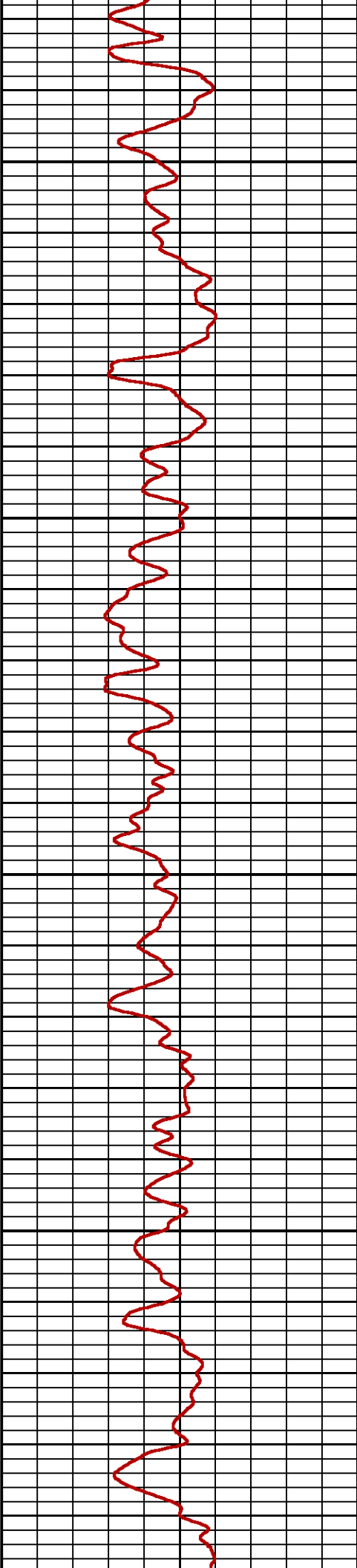
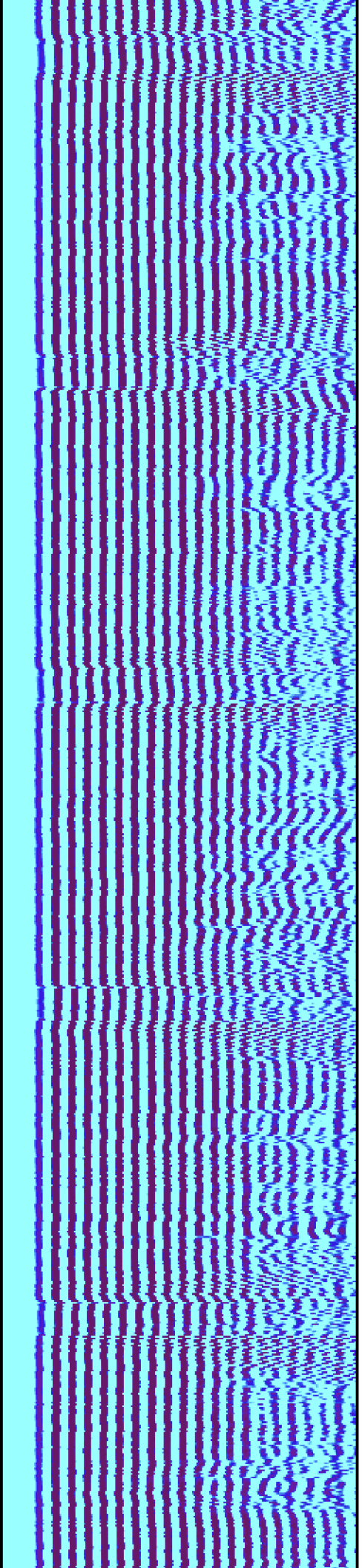
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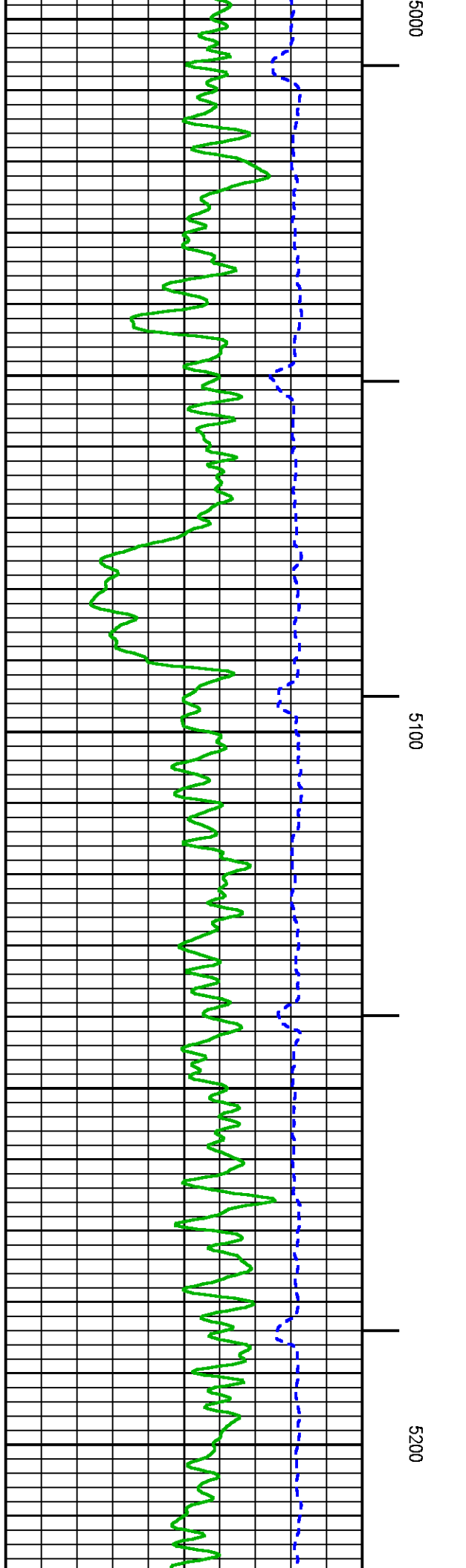
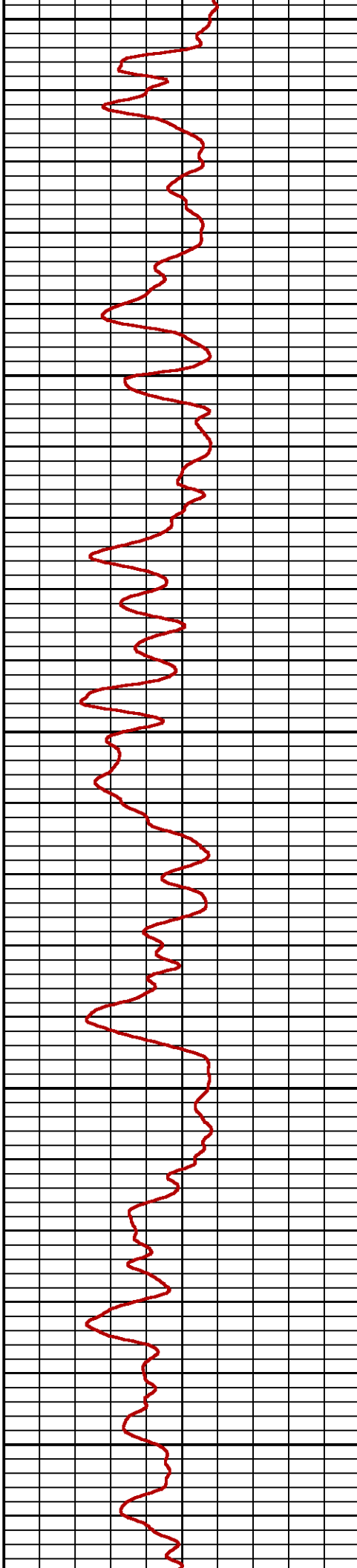
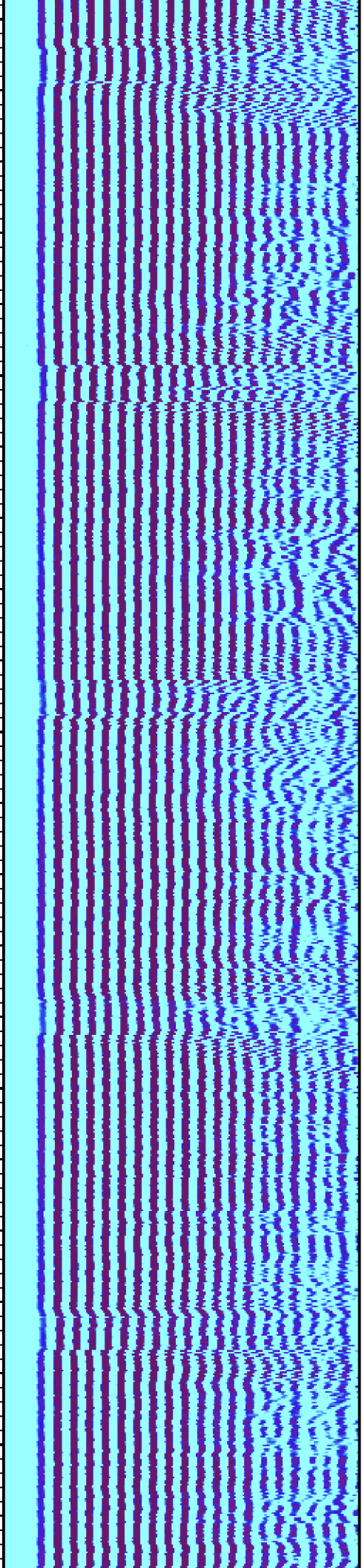
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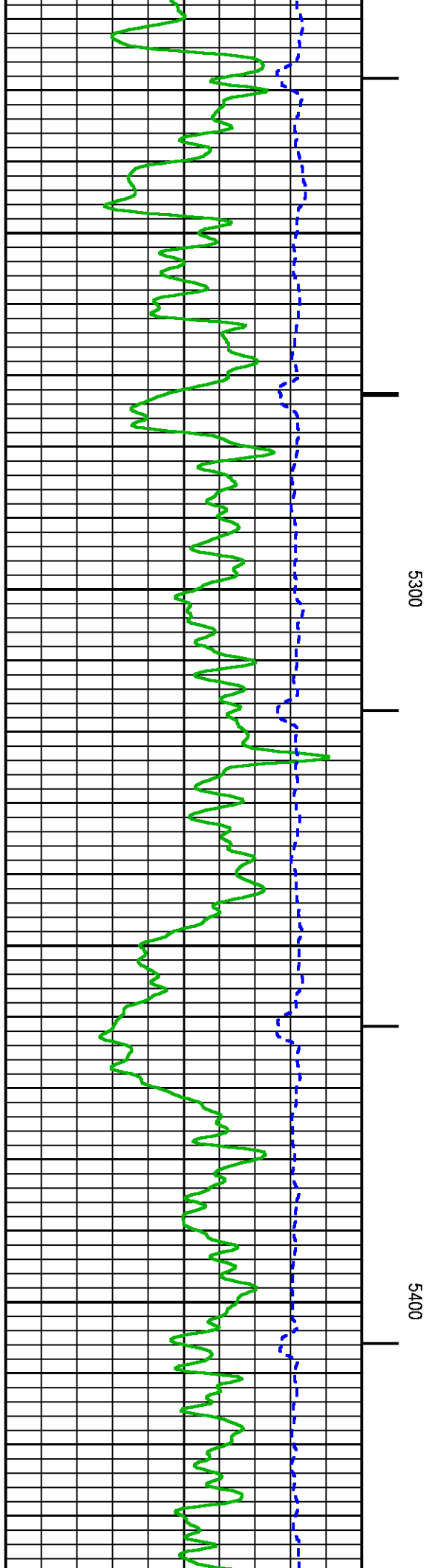
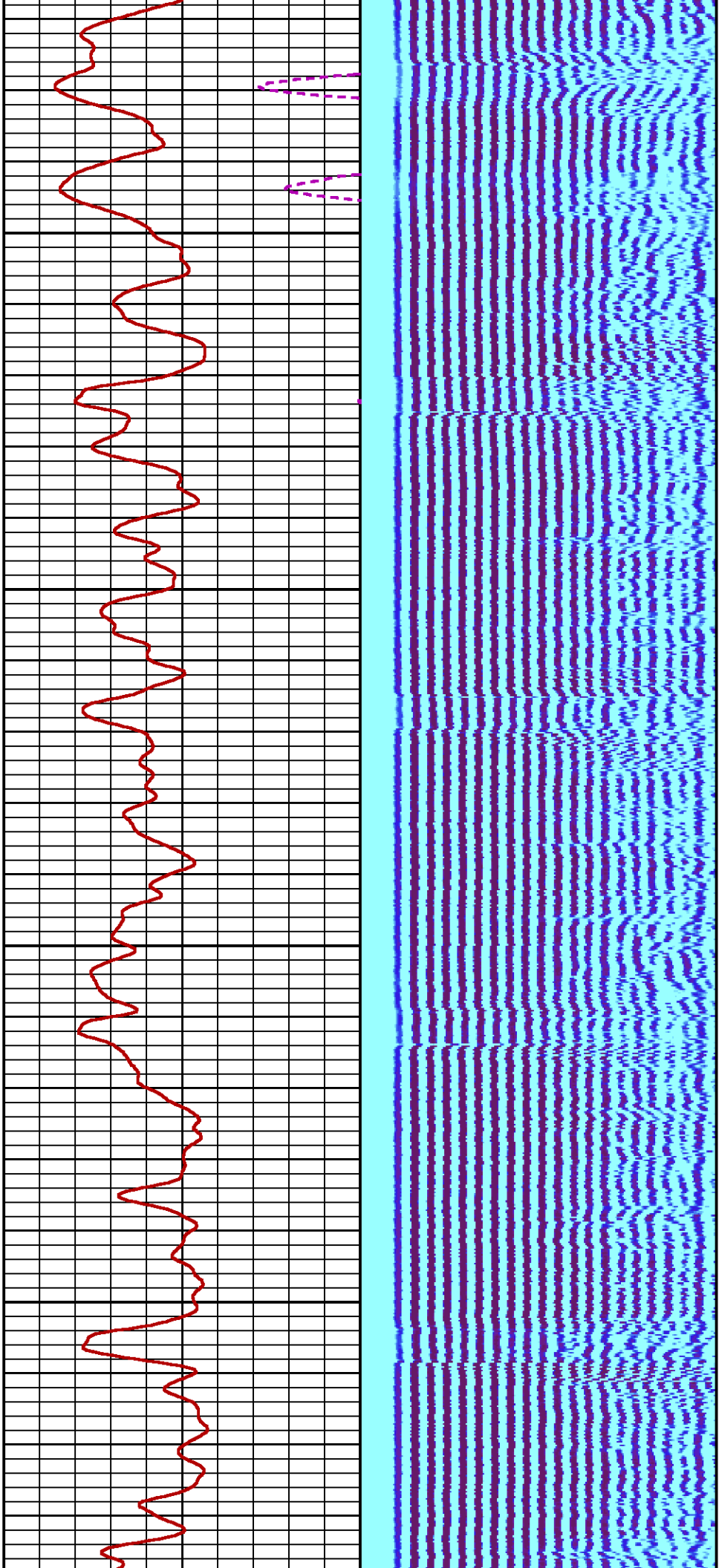


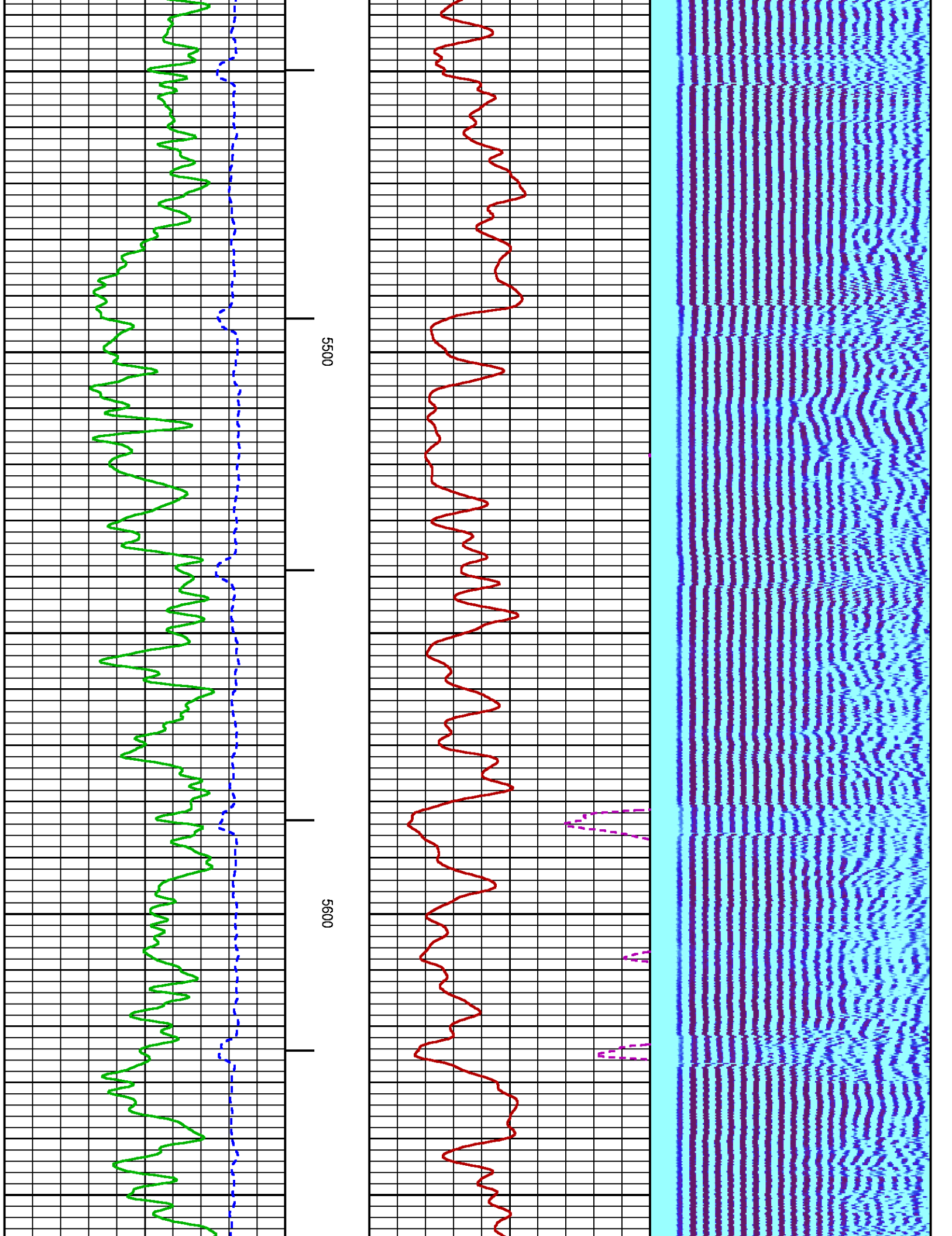


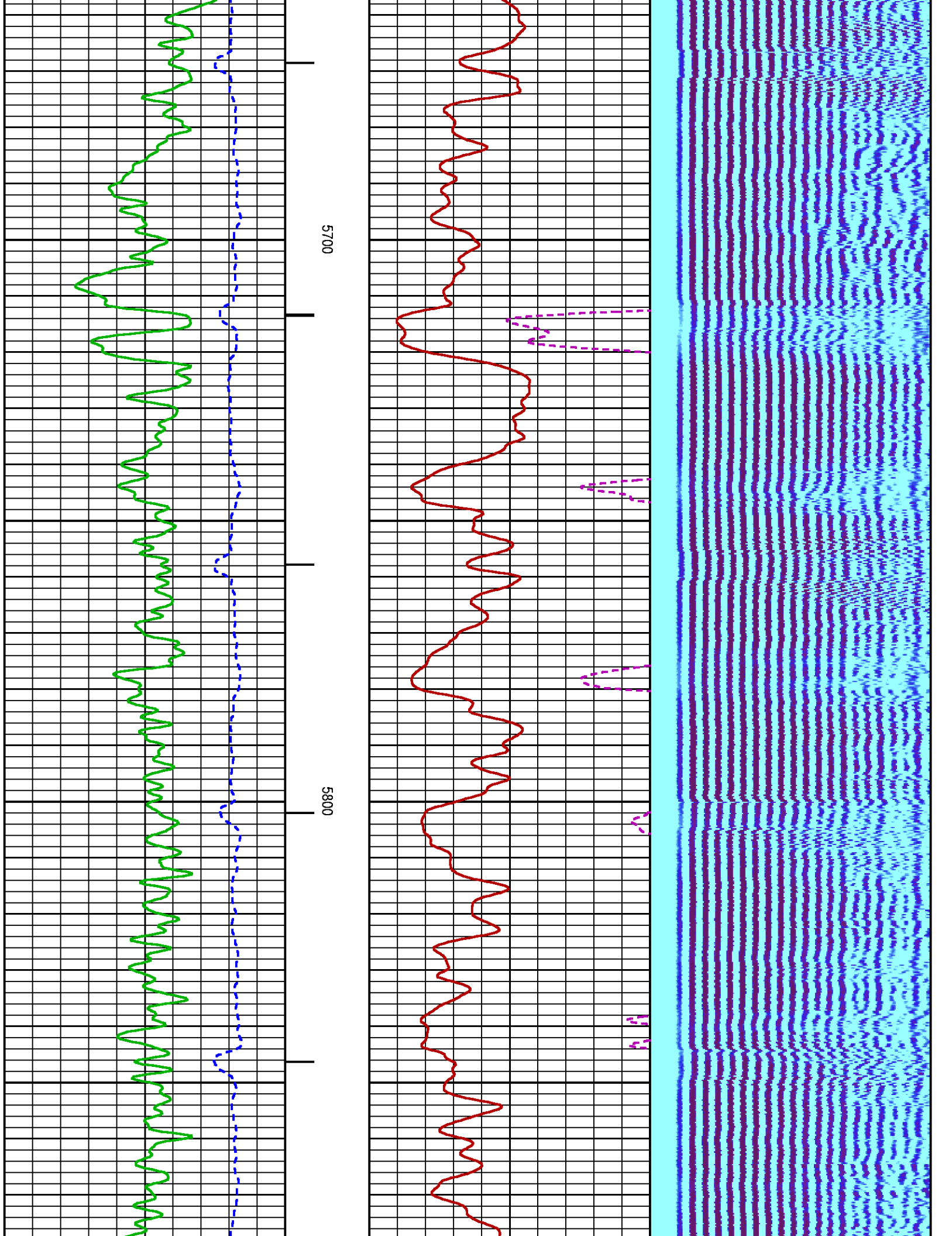


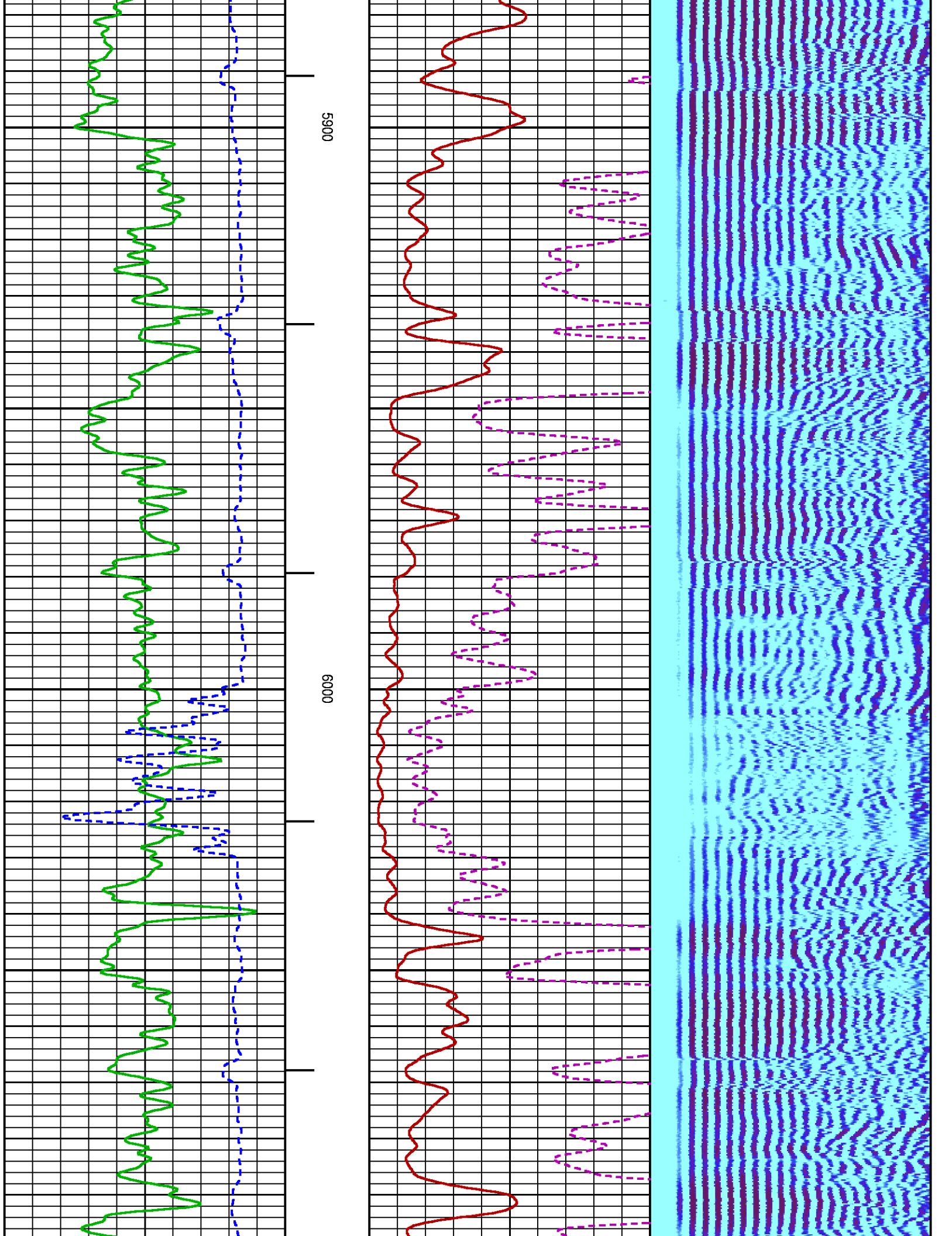


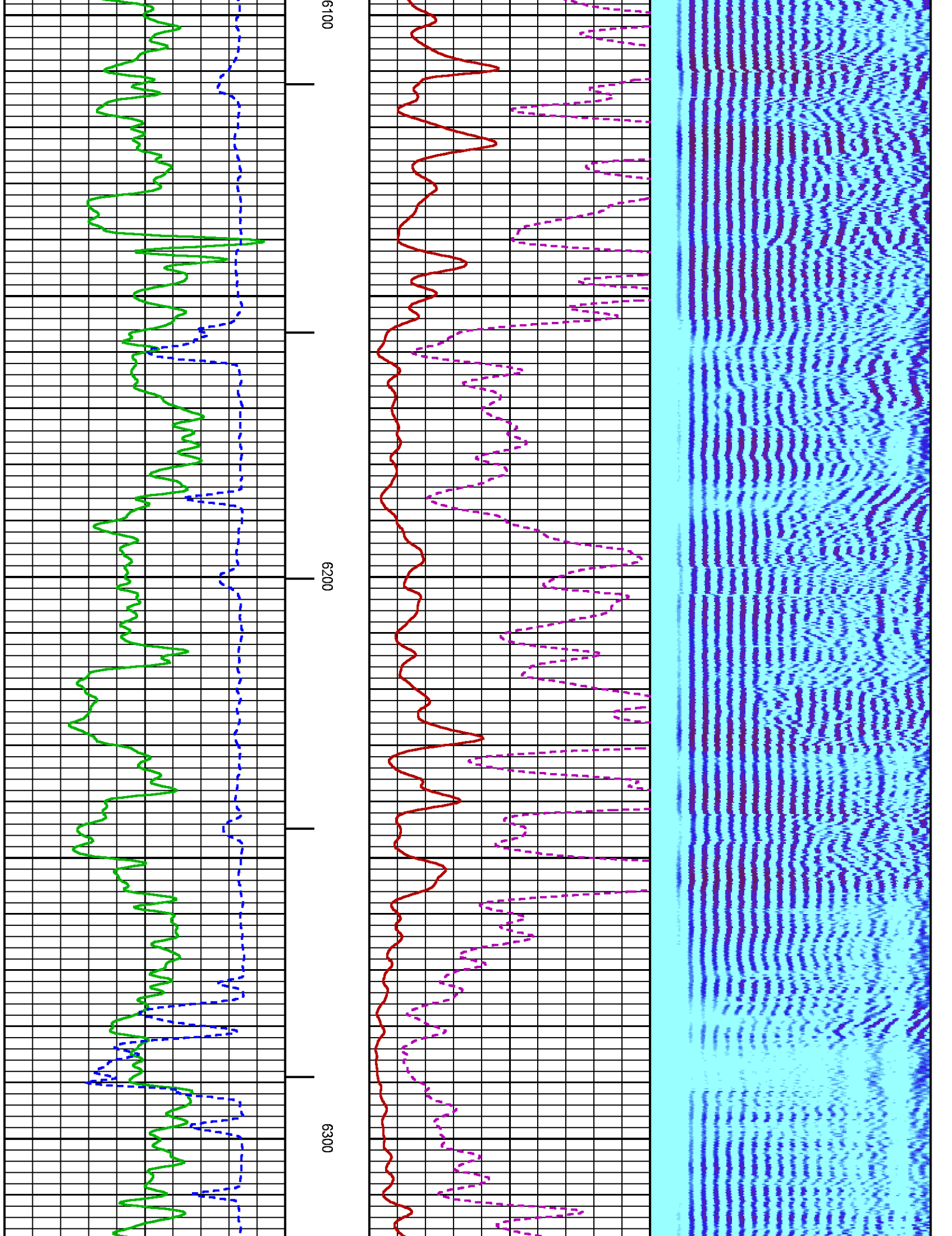


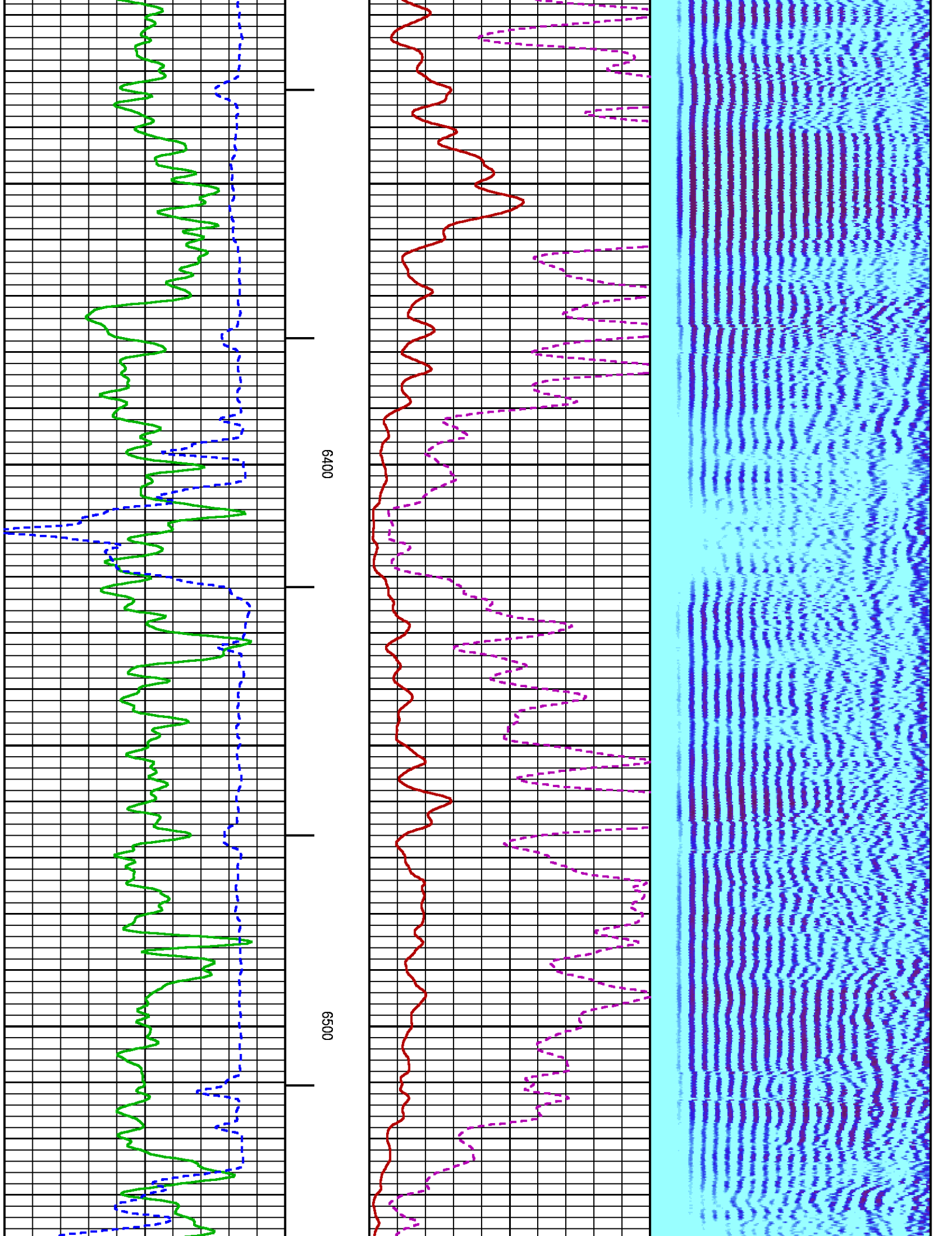


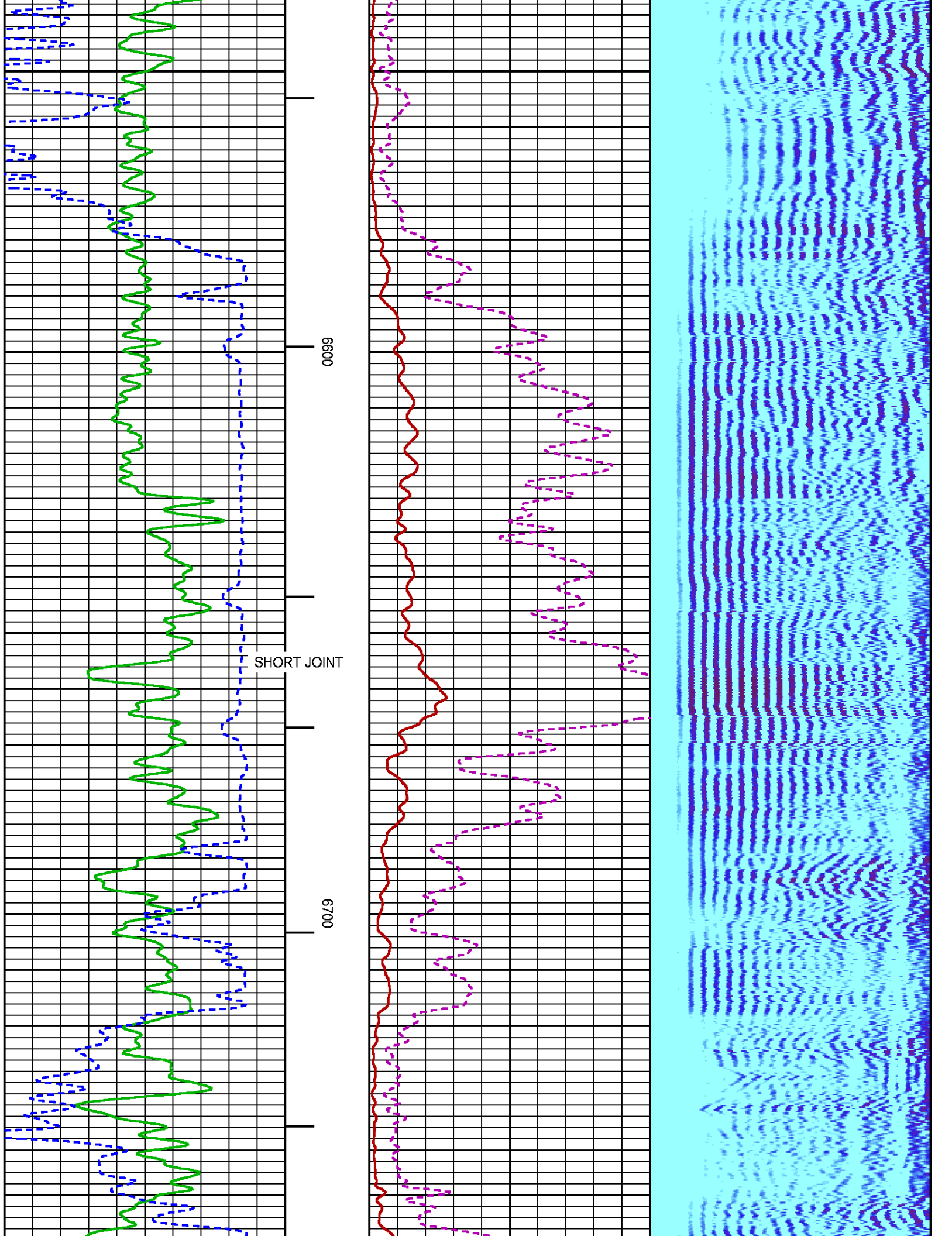


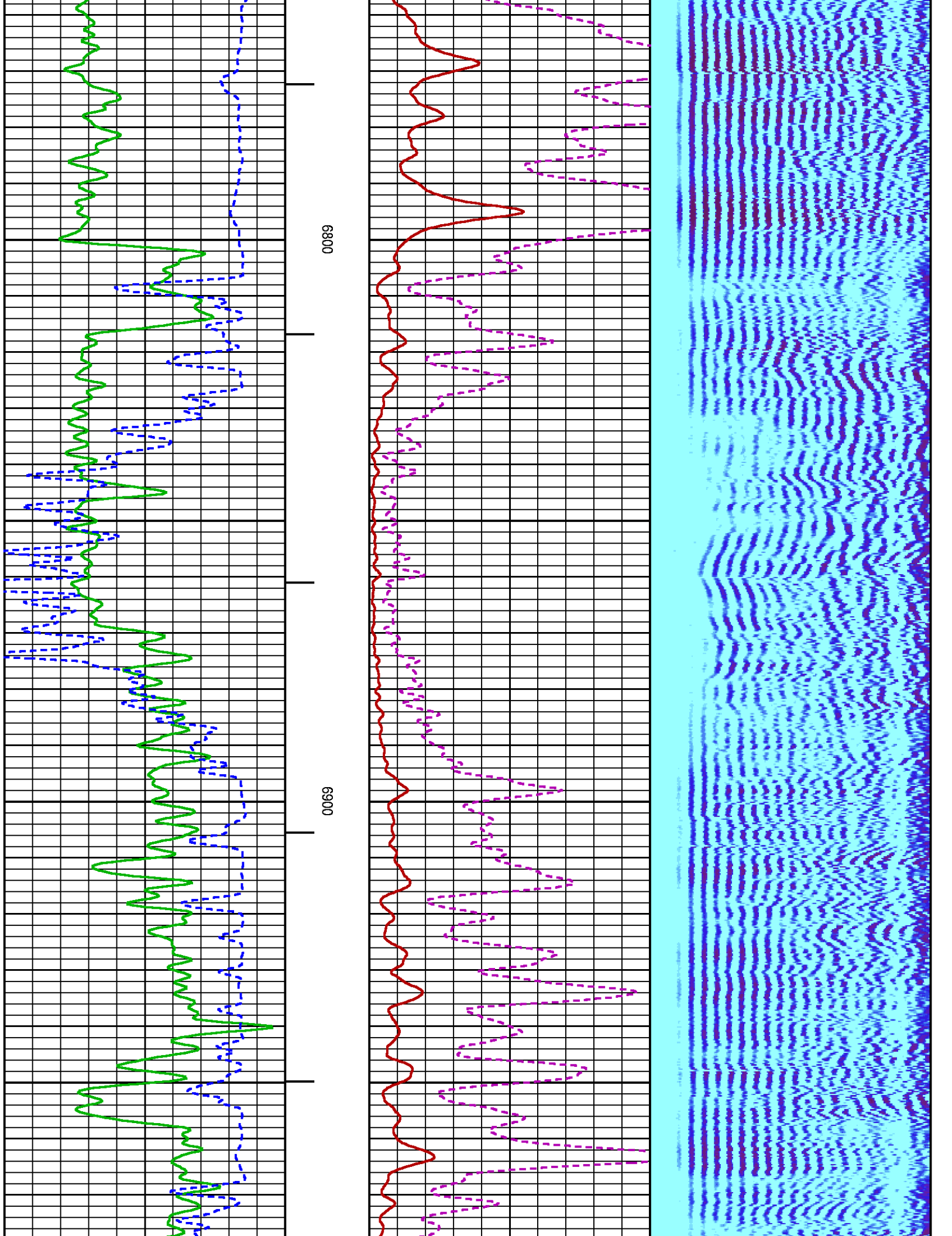


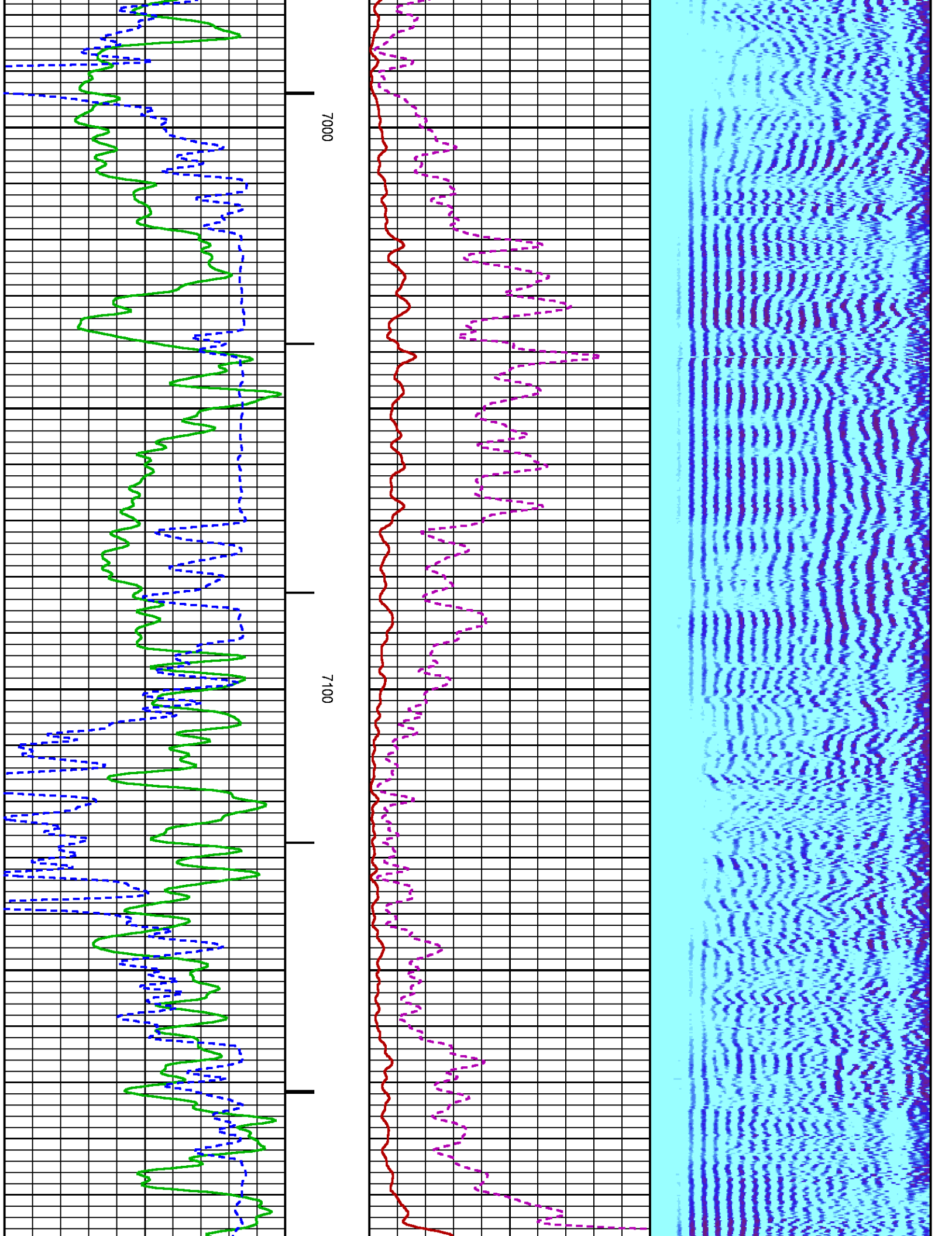


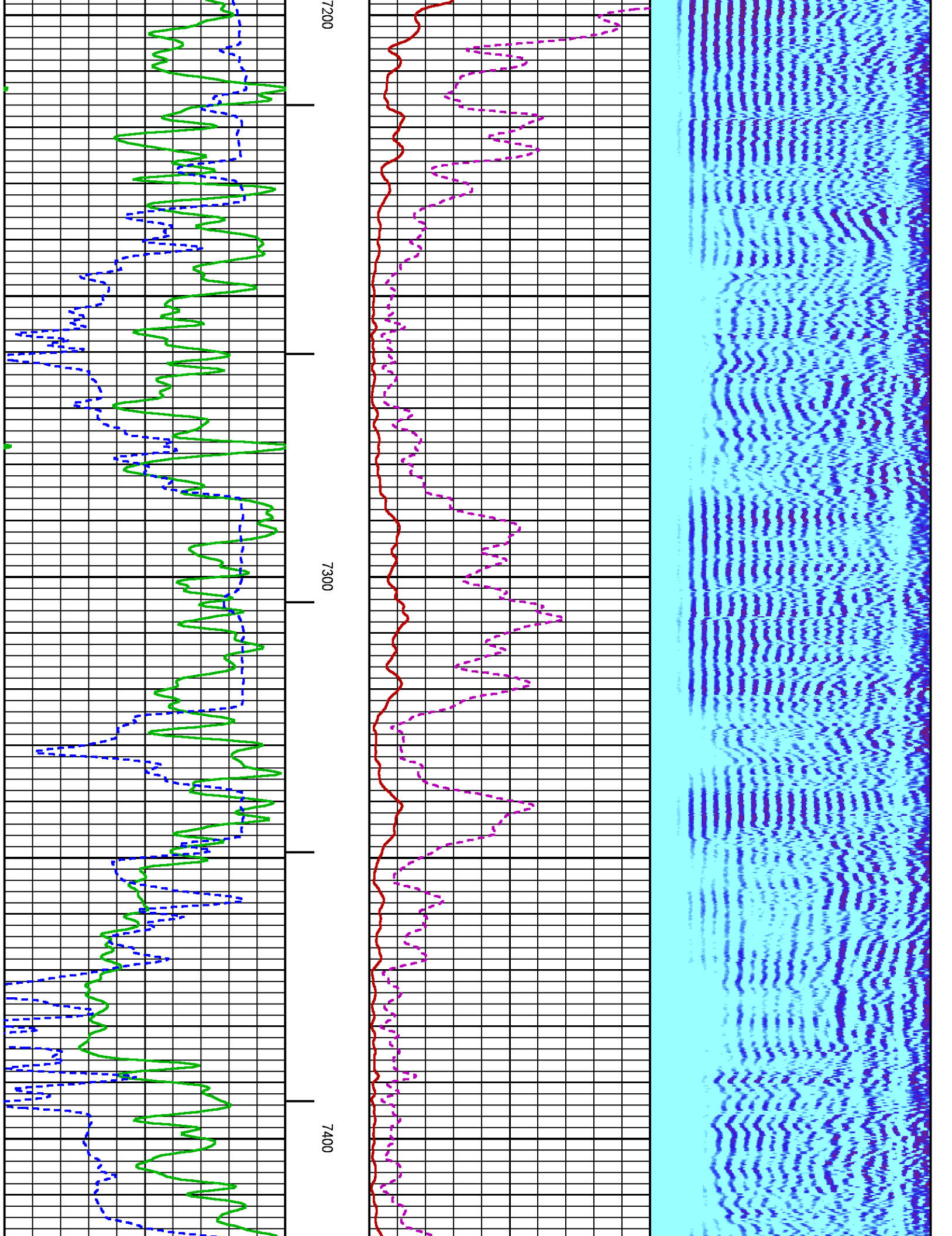


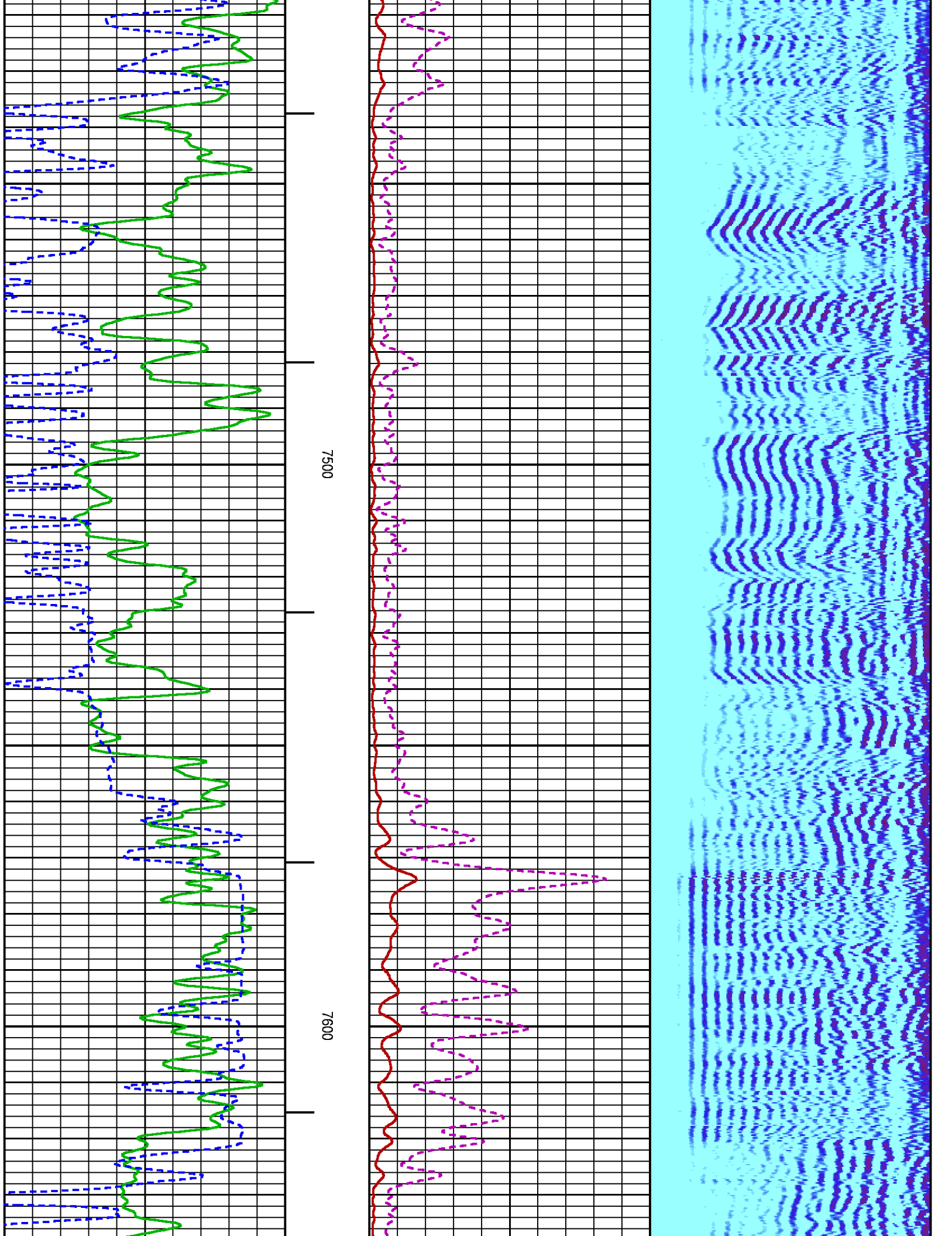


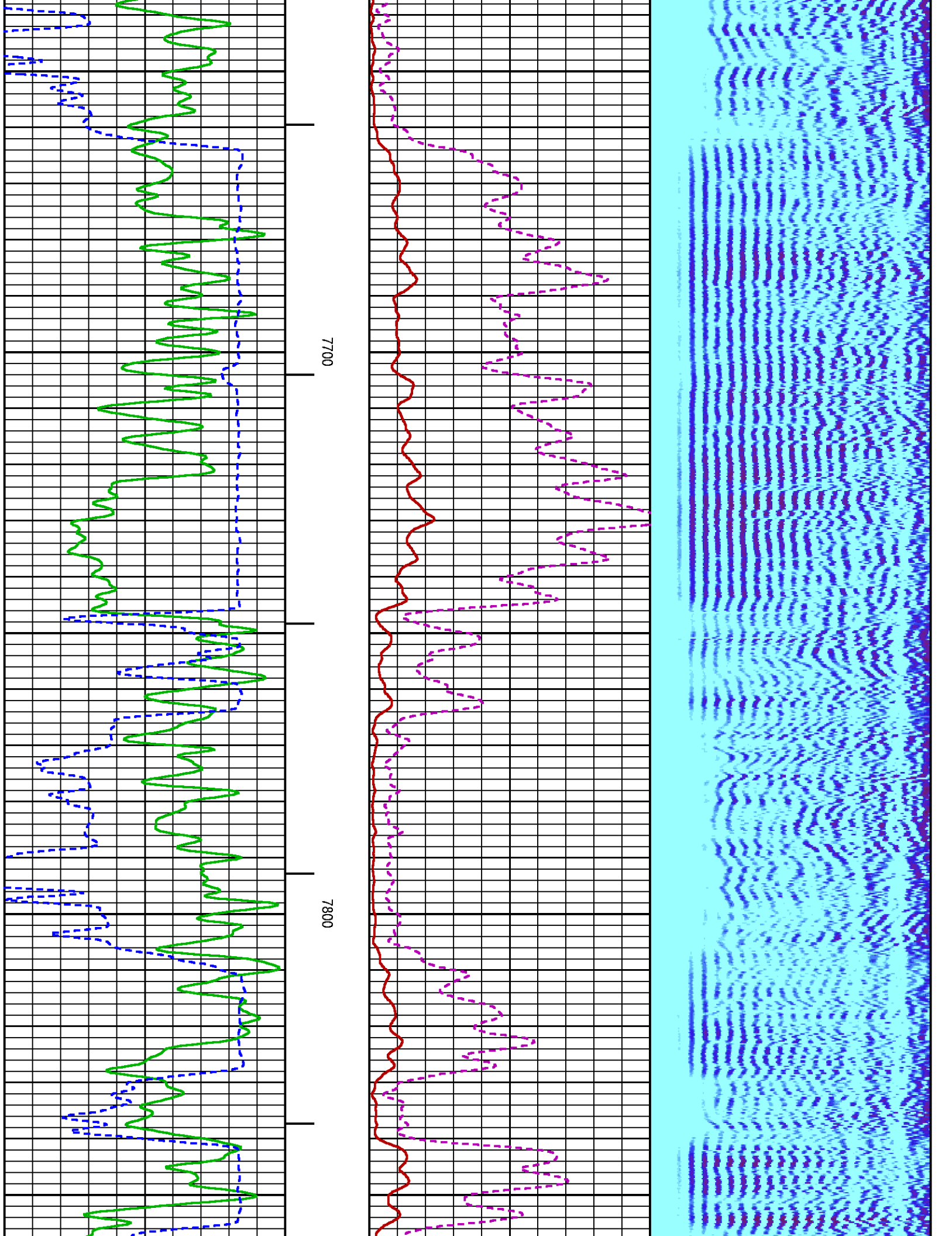


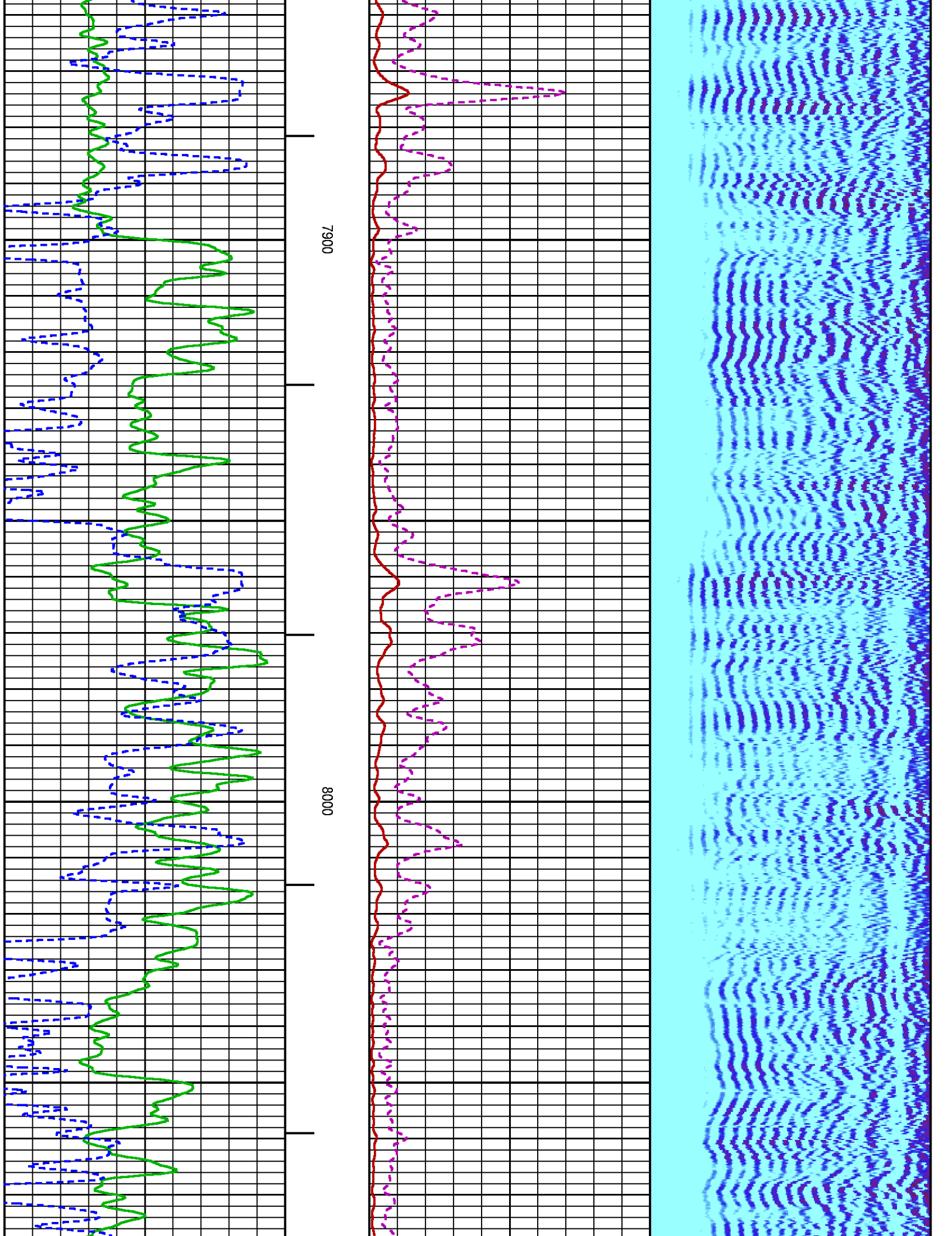


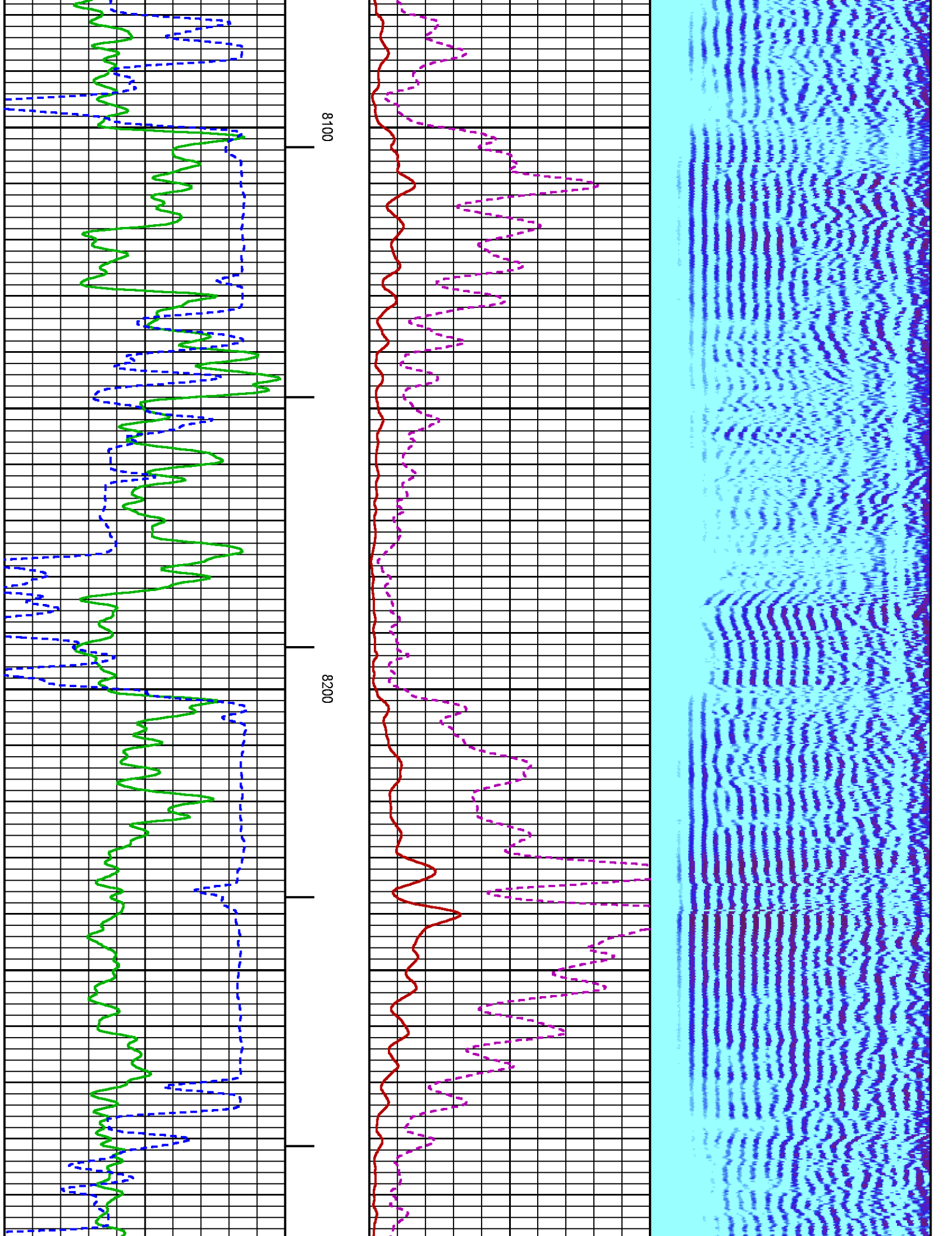


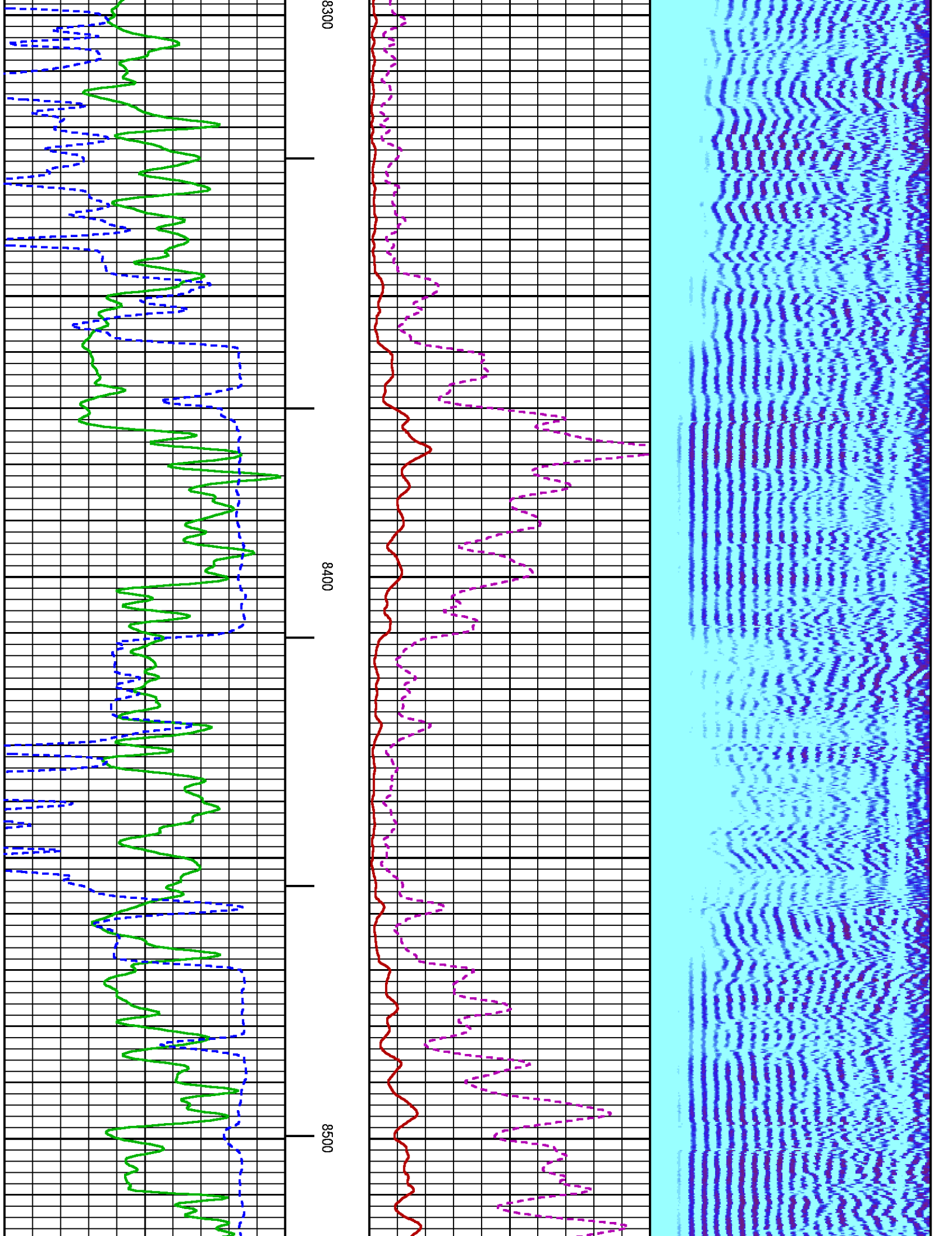


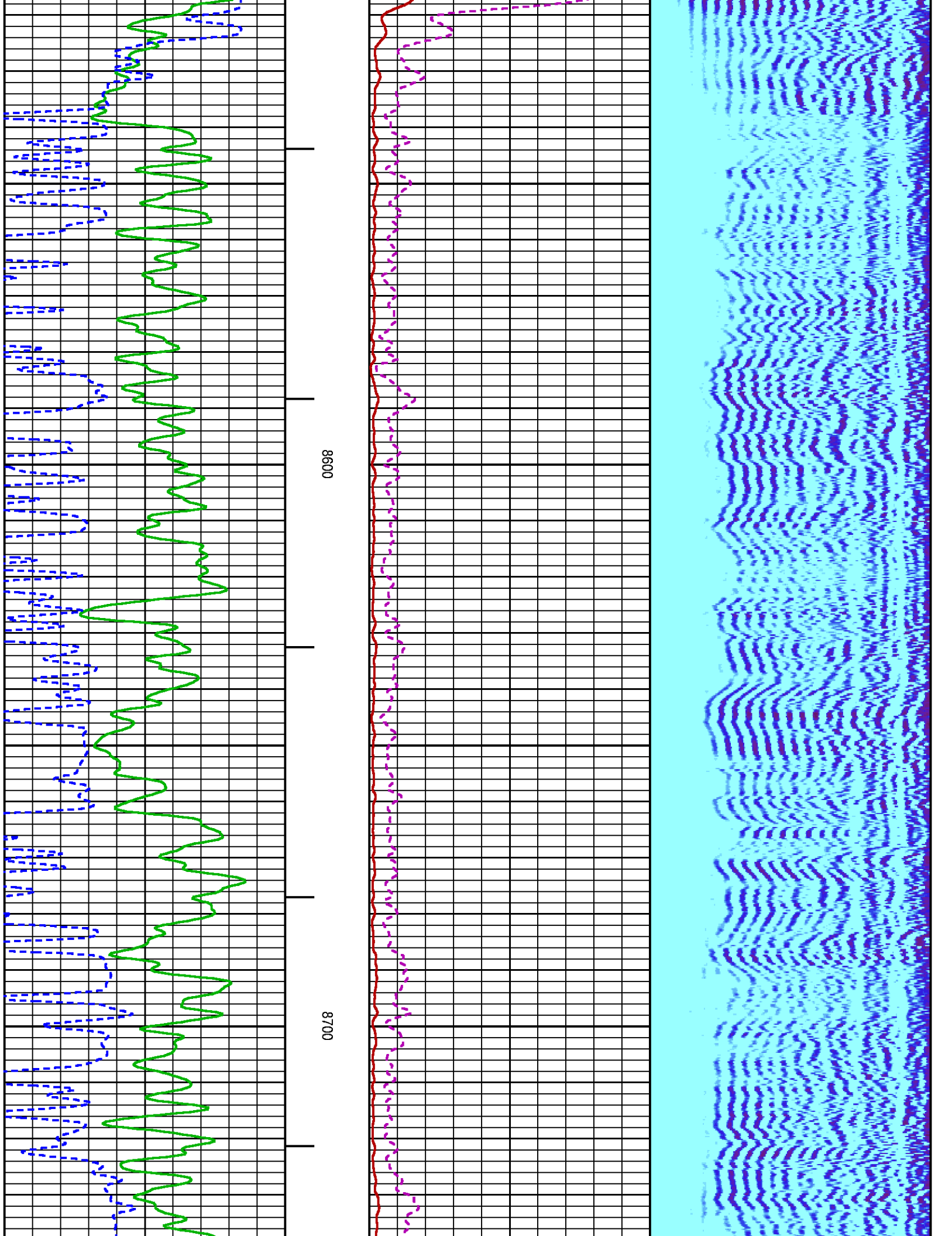


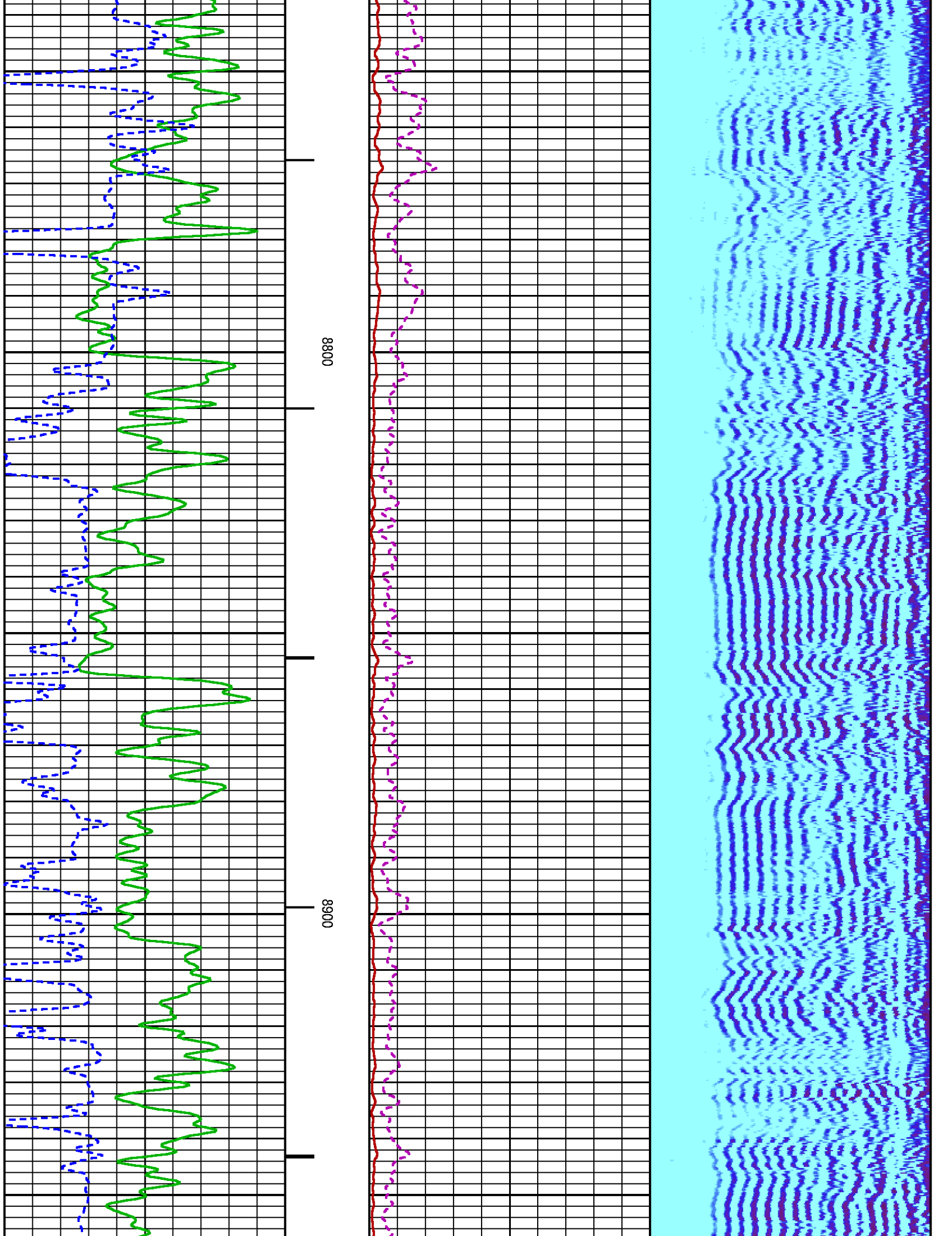


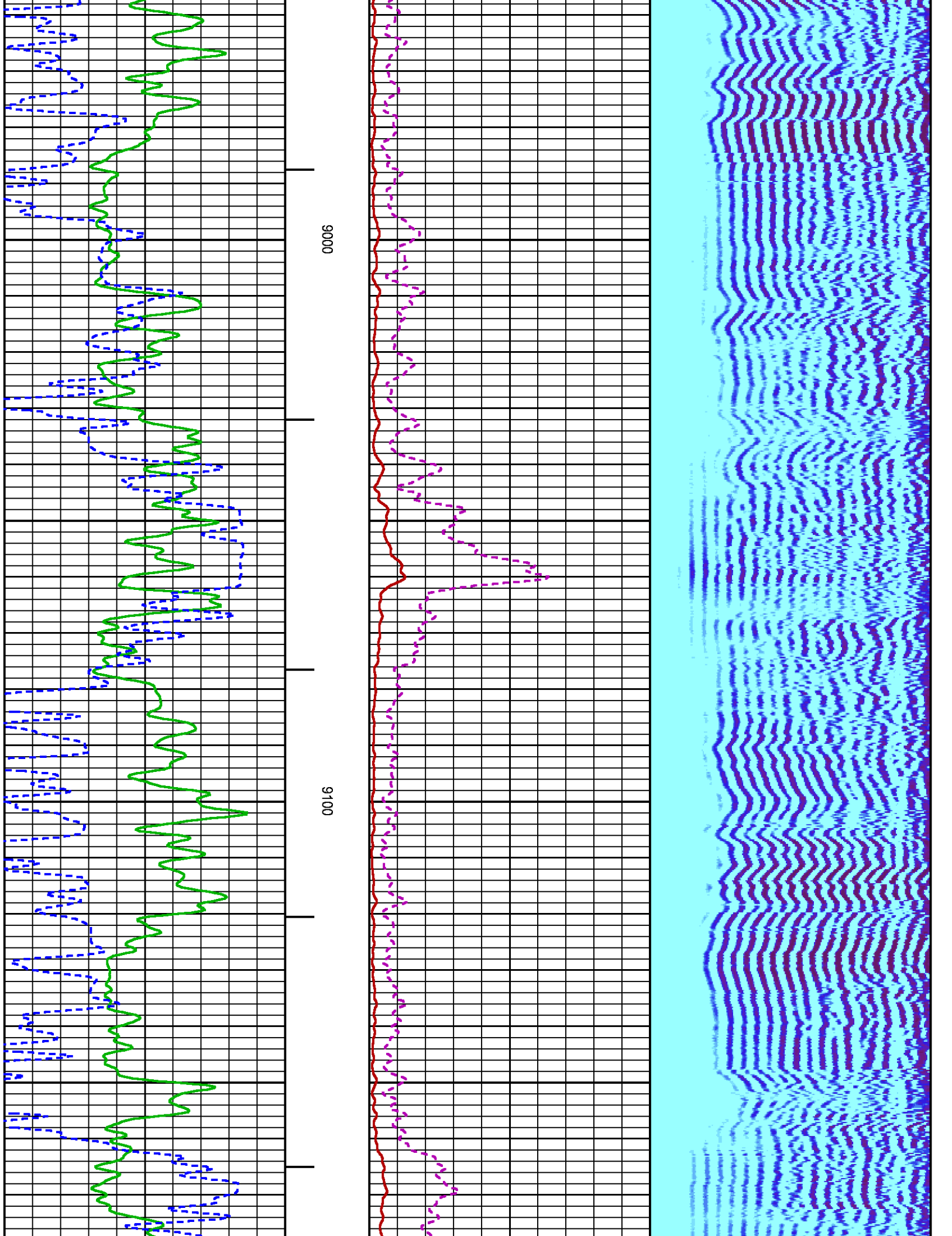


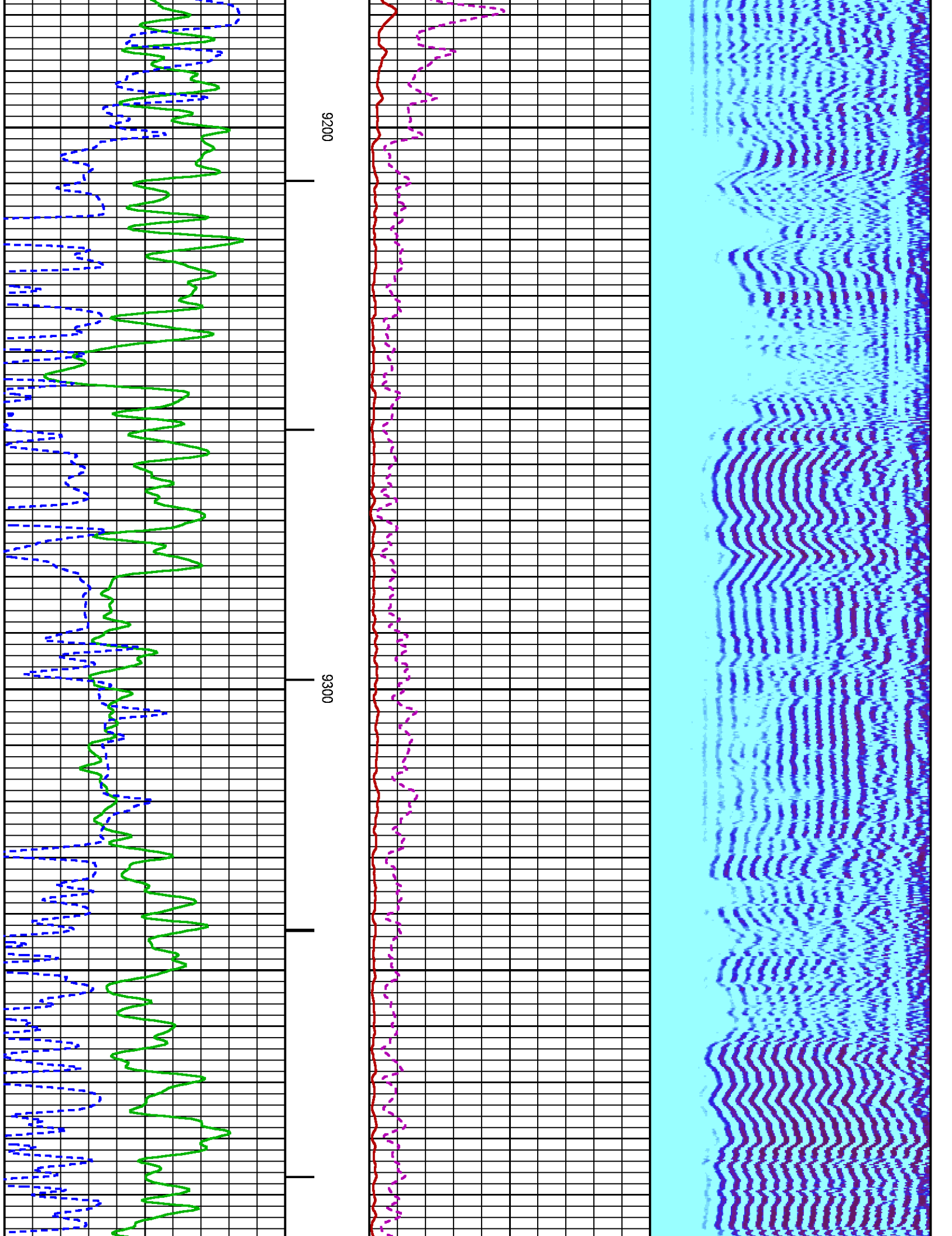


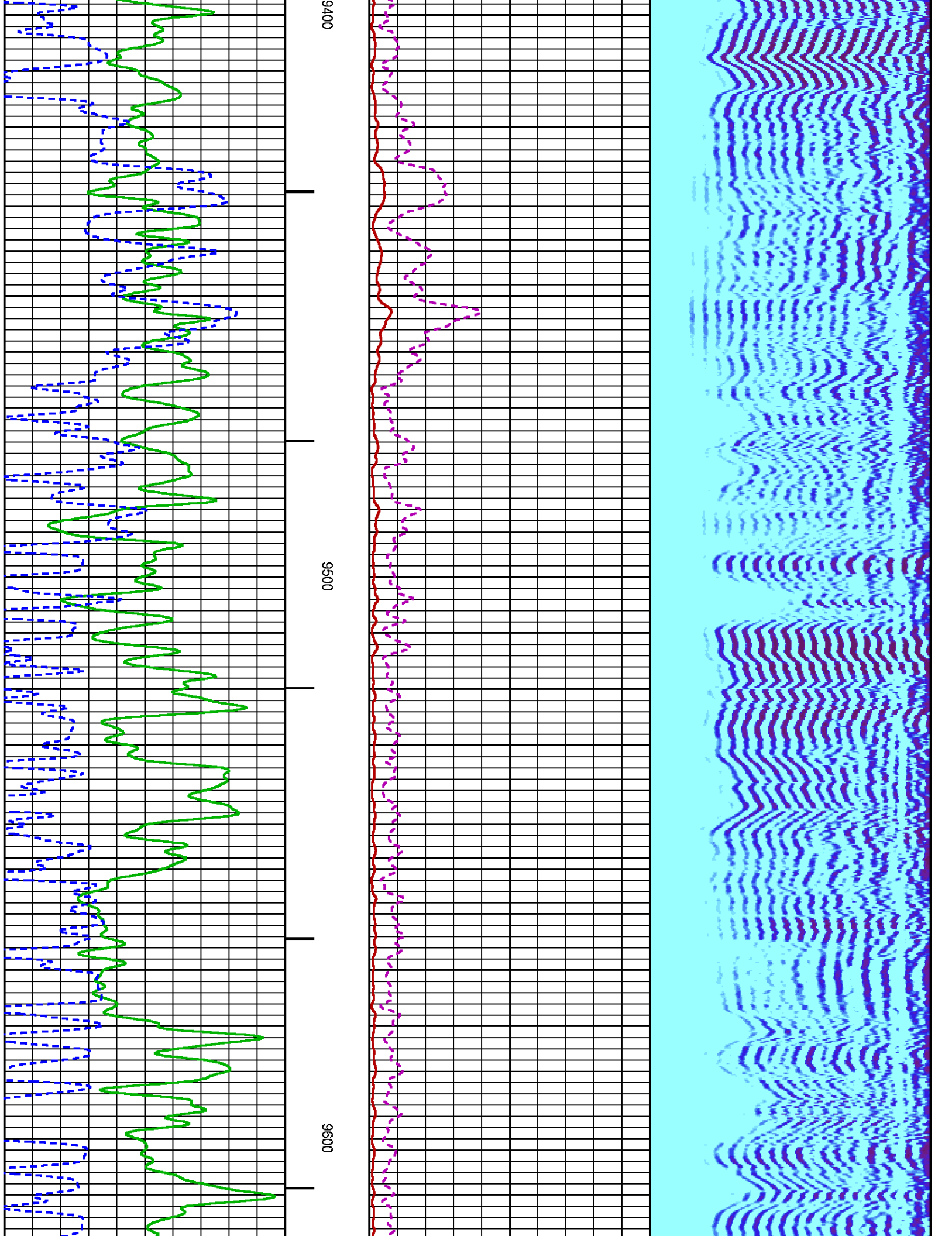


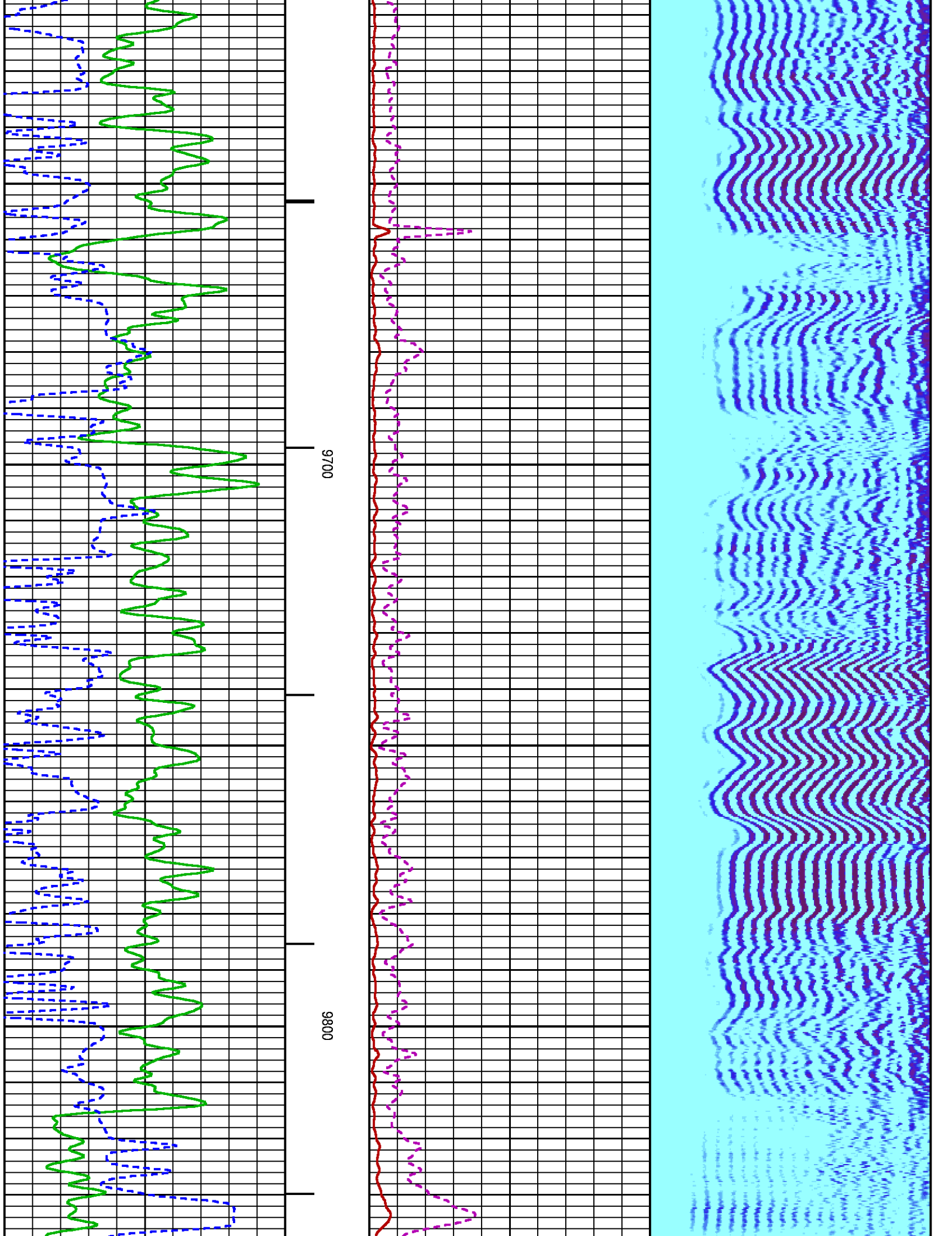


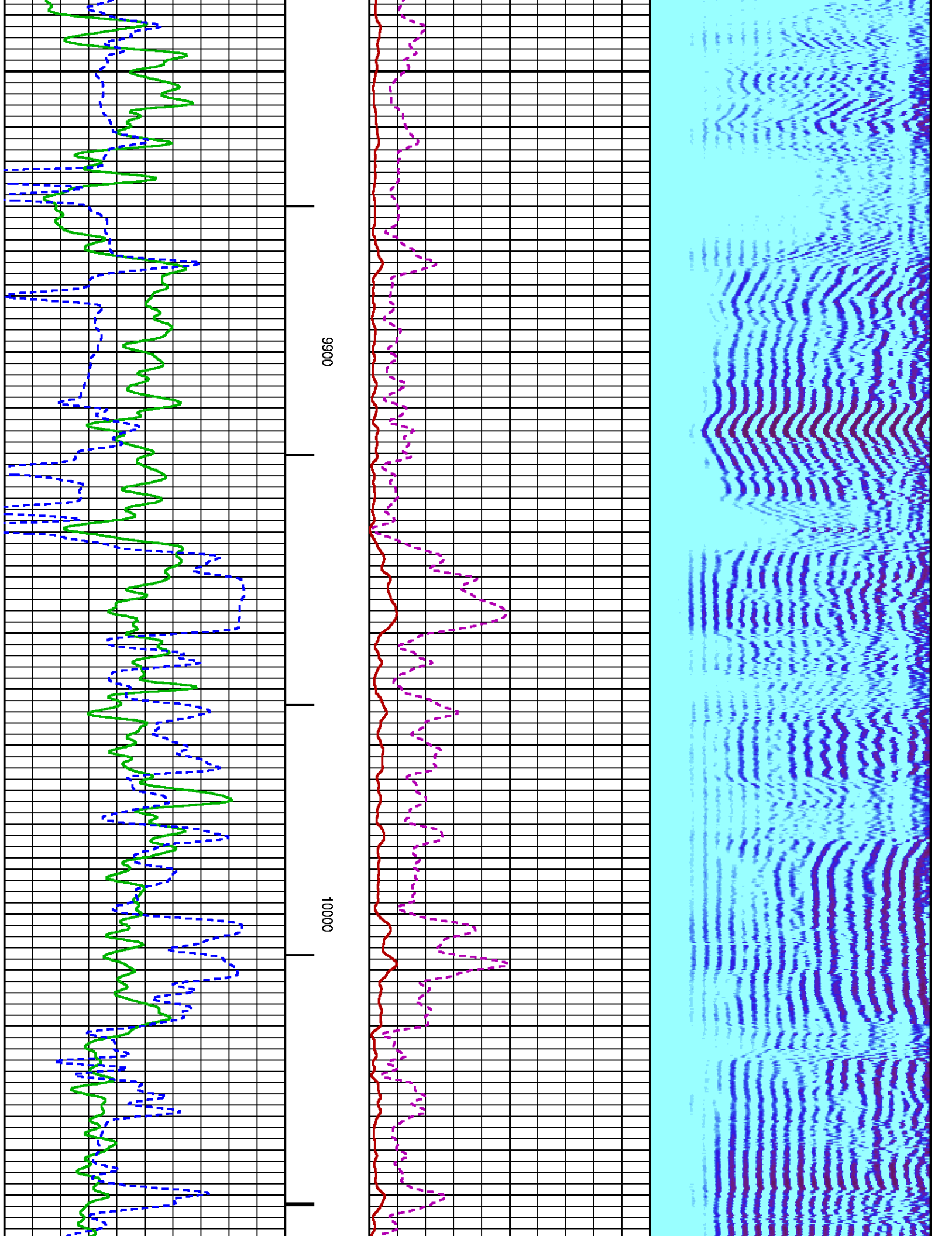


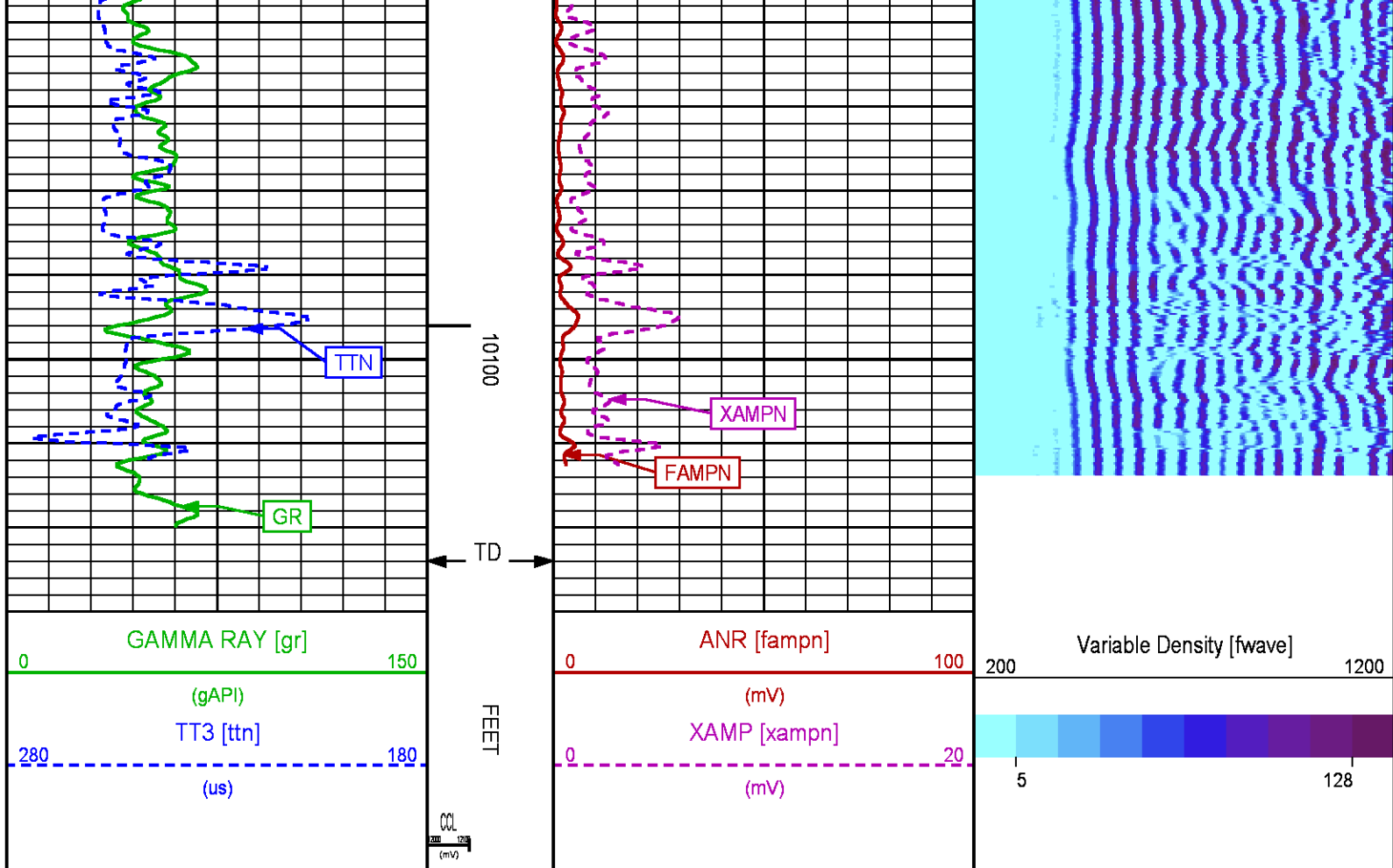












SECONDARY PRESENTATION 0 PSI

ECLIPS 6.2wu1 PC-ECLIPS General Release Rel 6.2w Update 1 Fri Apr 25 10:54:53 Central Daylight Time 2014
Updates: 31 Patches: 2

Plotted: Sun Feb 08 18:18:14 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: D:\dat1a\094746\012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 30.750 ft BOTTOM DEPTH: 10131.892 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)
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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 (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*)	177	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*)	-74	us	"	"
	TOOL DELAY (str2*)	-74	us	"	"
	TOOL DELAY (str3*)	-74	us	"	"
	TOOL DELAY (str4*)	-74	us	"	"
	TOOL DELAY (str5*)	-74	us	"	"
	TOOL DELAY (str6*)	-74	us	"	"
	TOOL DELAY (str7*)	-74	us	"	"
	TOOL DELAY (str8*)	-74	us	"	"
	TOOL DELAY (strn*)	-74	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

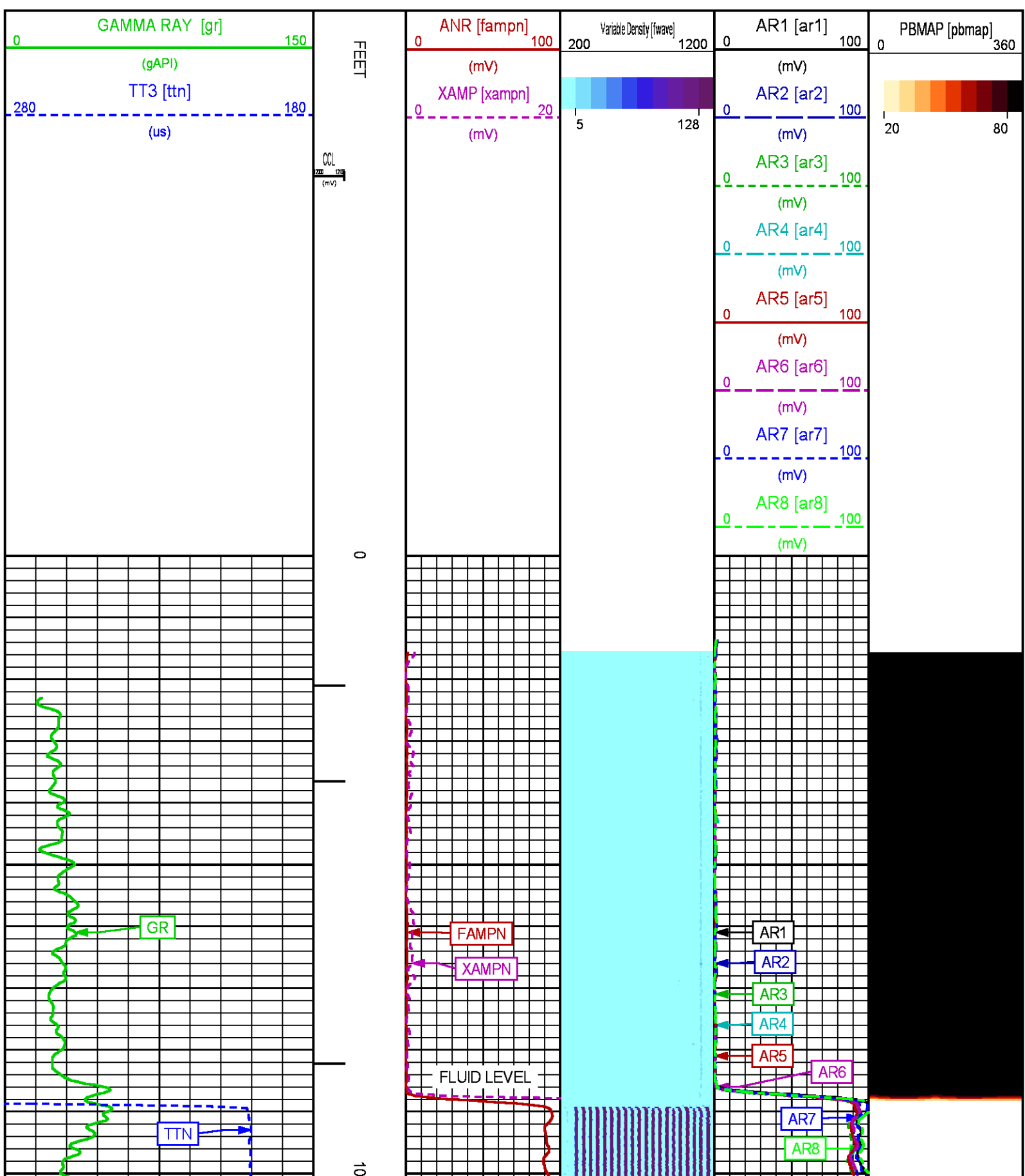
PERCENT BOND CEMENT MAP					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE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

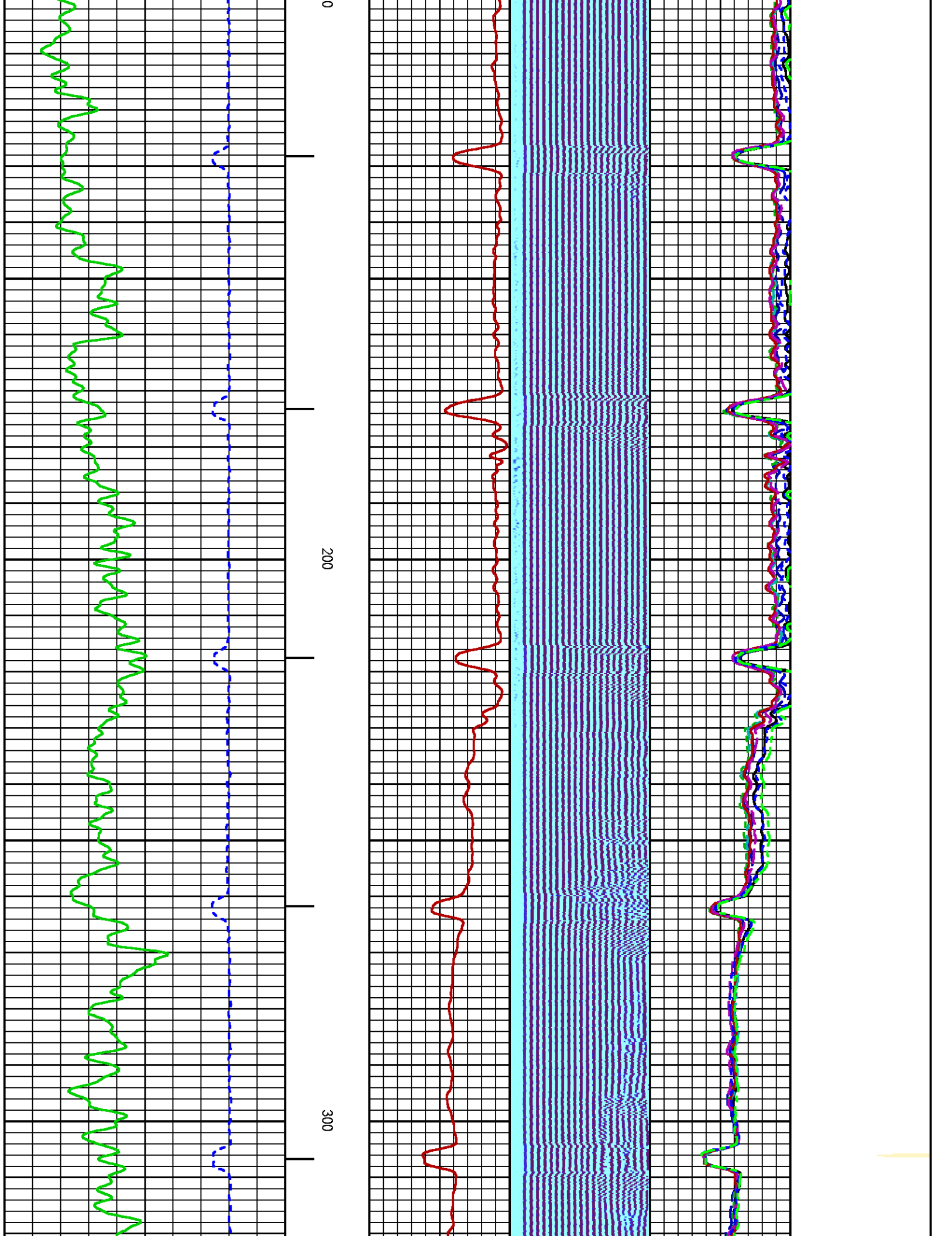
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Feb 8 17:56:39 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Feb 8 17:56:39 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Feb 8 17:56:39 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Feb 8 17:56:39 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Feb 8 17:56:39 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Feb 8 17:56:39 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Feb 8 17:56:39 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Feb 8 17:56:39 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Feb 8 17:56:39 2015	CASING COLLAR LOCATOR
F1:FAMPN	Feb 8 17:56:42 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Feb 8 17:56:44 2015	FAR WAVE FORM
F1:GR	Feb 8 17:56:45 2015	GAMMA RAY
F1:PBMAP	Feb 8 17:56:46 2015	PERCENT BOND CEMENT MAP
F1:TTN	Feb 8 17:56:47 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Feb 8 17:56:47 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

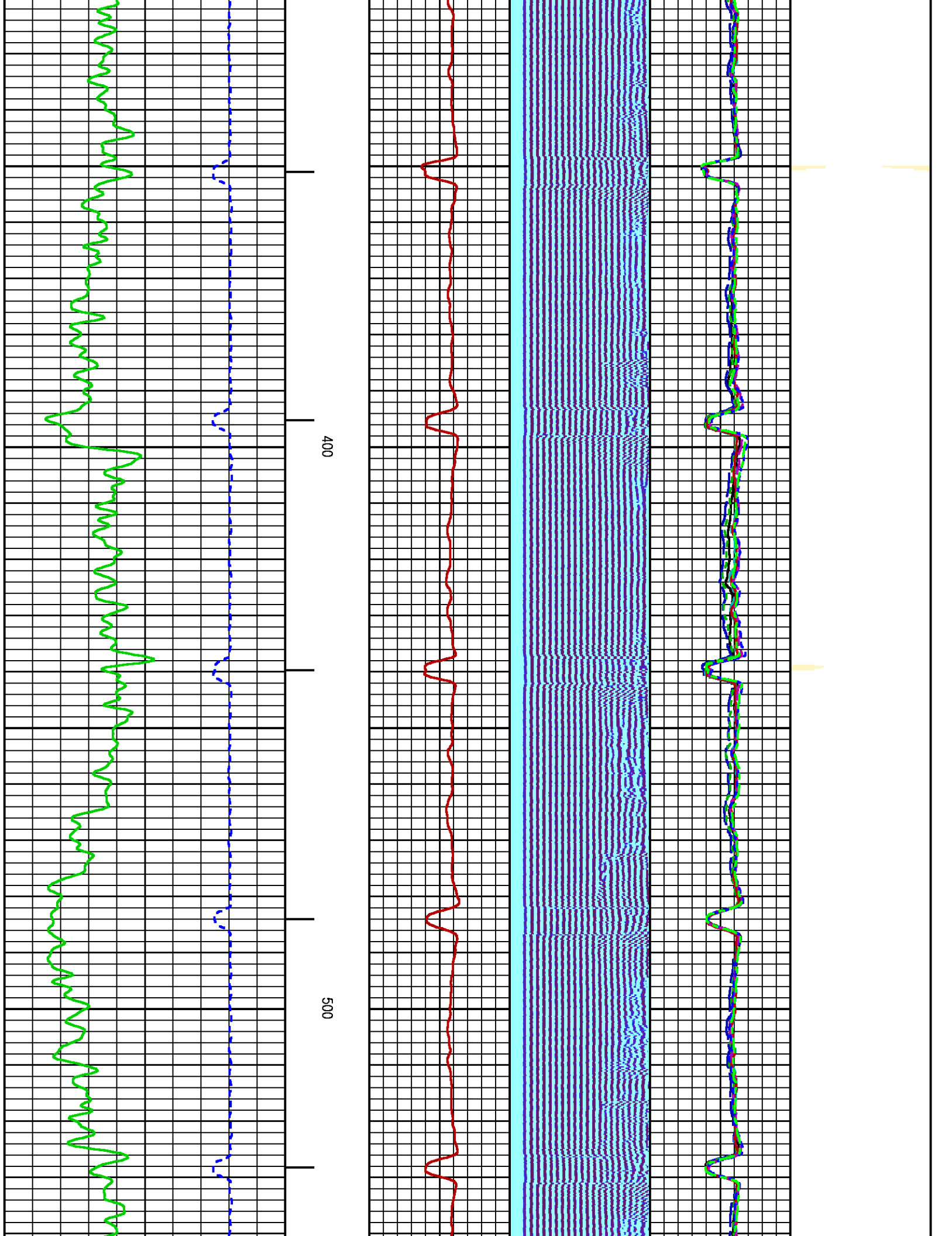
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	13.75	AR5	13.75	CCL	8.50	XAMPN	13.75
AR2	13.75	AR6	13.75	FAMPN	13.75		
AR3	13.75	AR7	13.75	GR	6.50		
AR4	13.75	AR8	13.75	TTN	13.75		

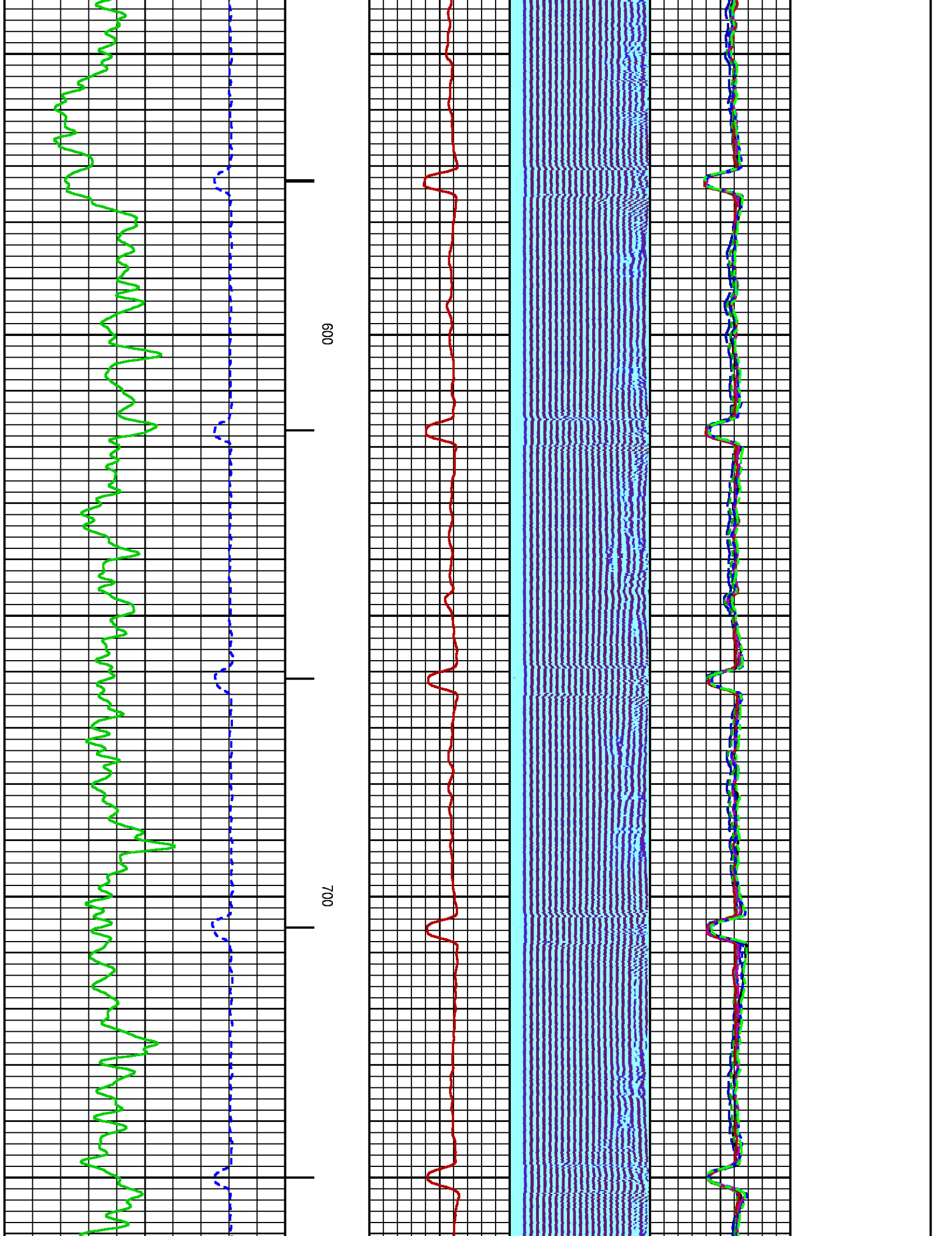
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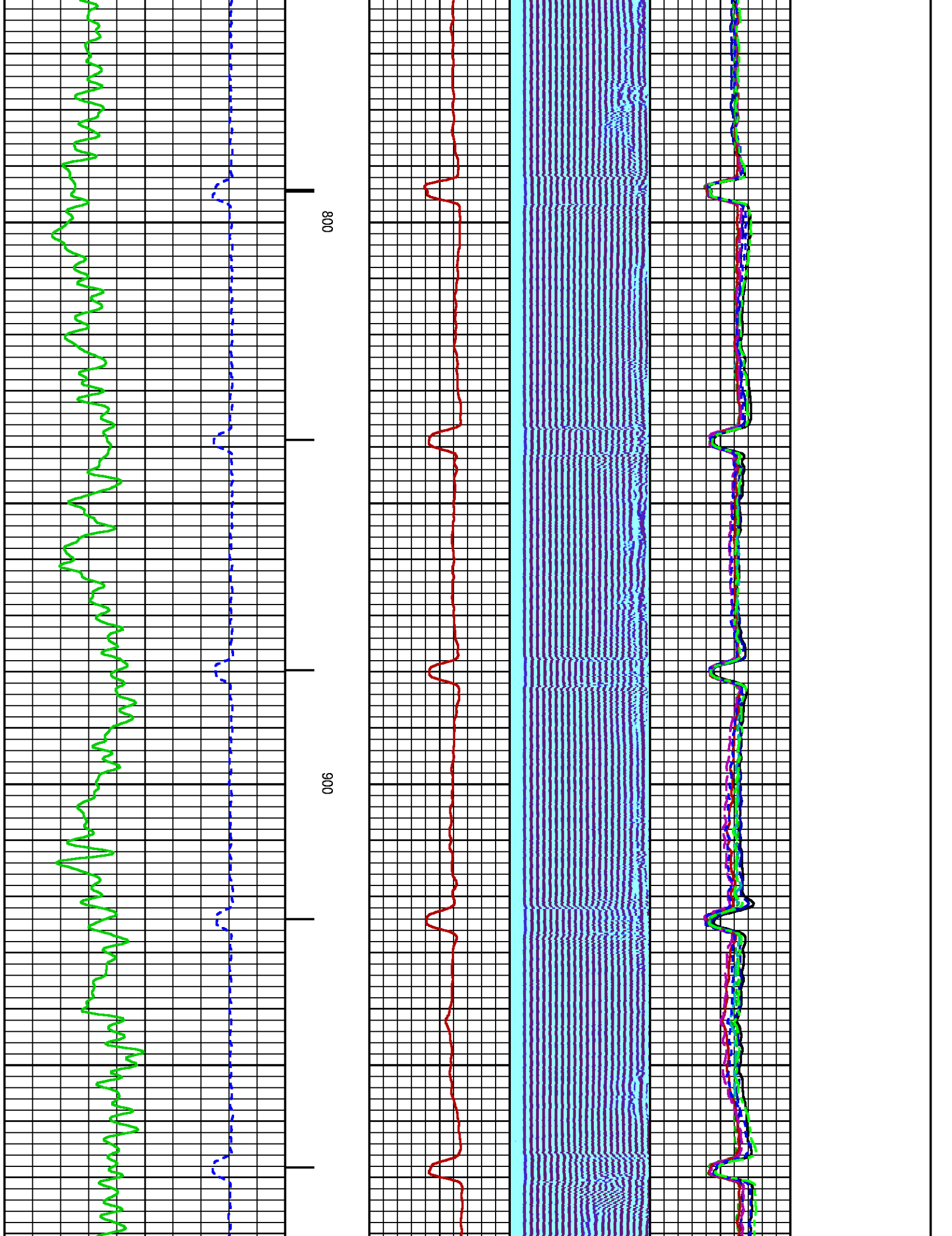
Data File 1 : F1 : BHIBX9FSY1:D:\dat1a\094746\341CBL_MAIN.xtf
Created On : Feb 8 17:56:39 2015
Company : WPX ENERGY
Well : YOUNBERG RU 341-7
Field : RULISON
File Interval : 13.75 - 10128 Feet
OCT : n012e

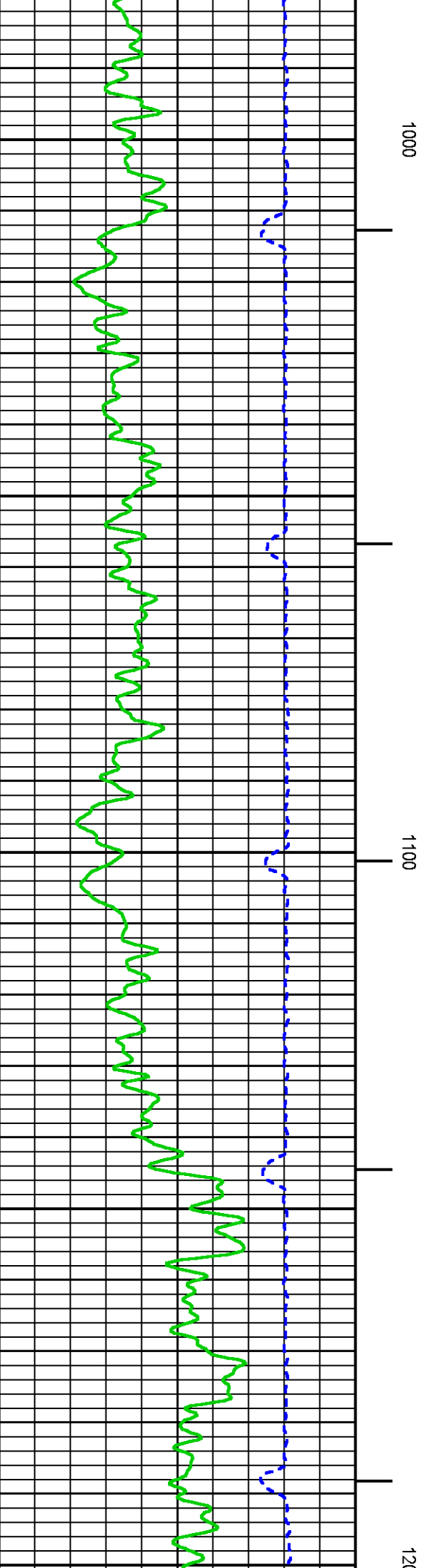
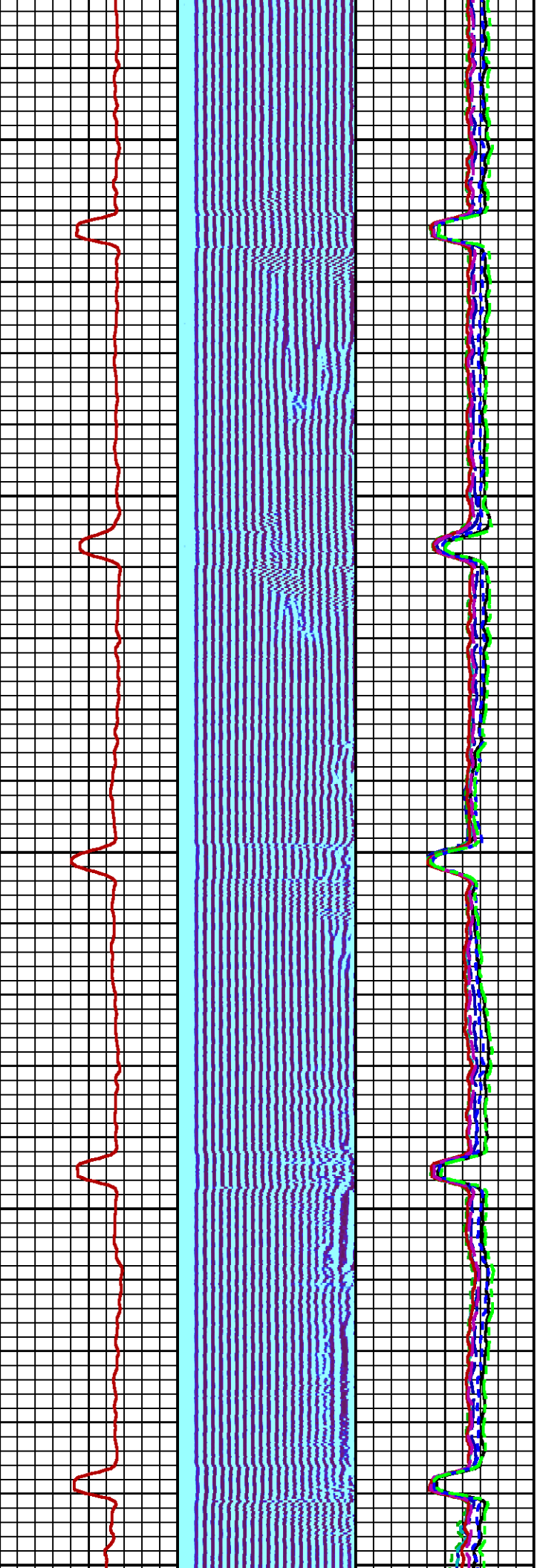


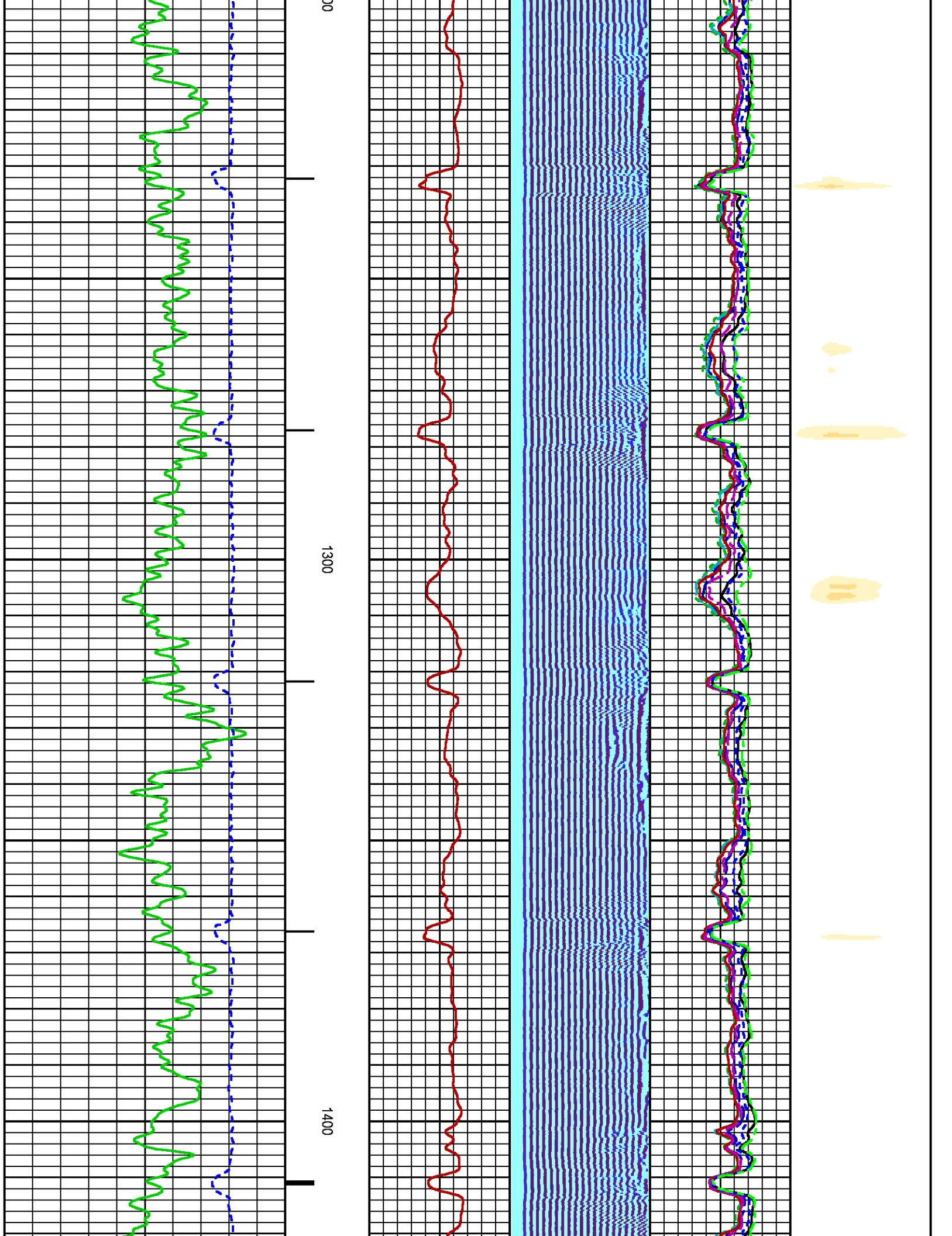


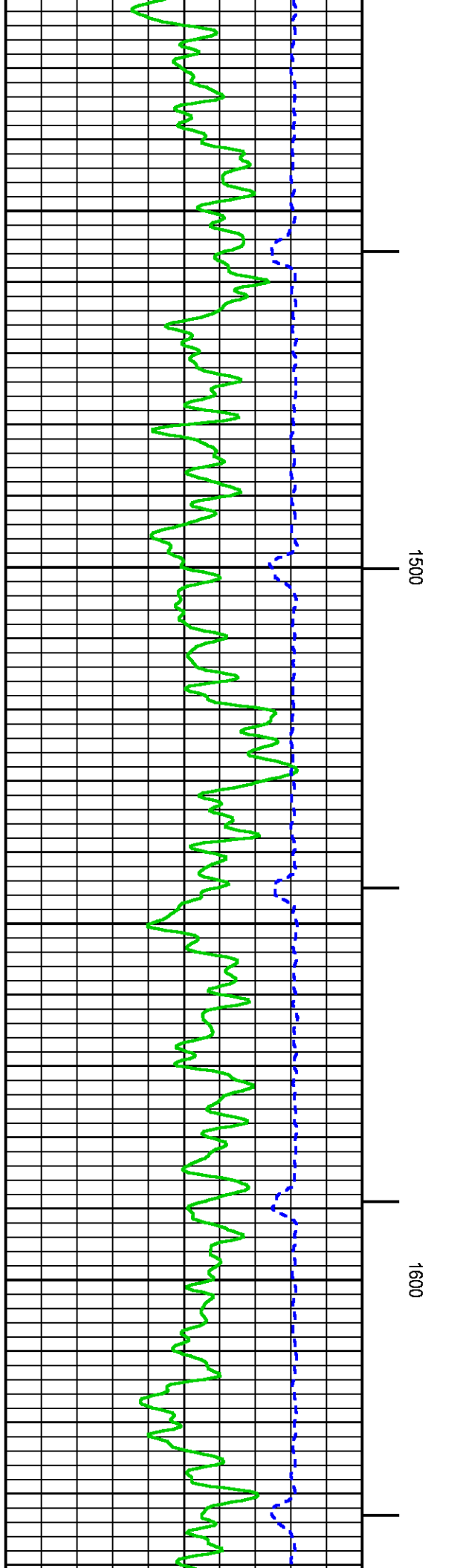
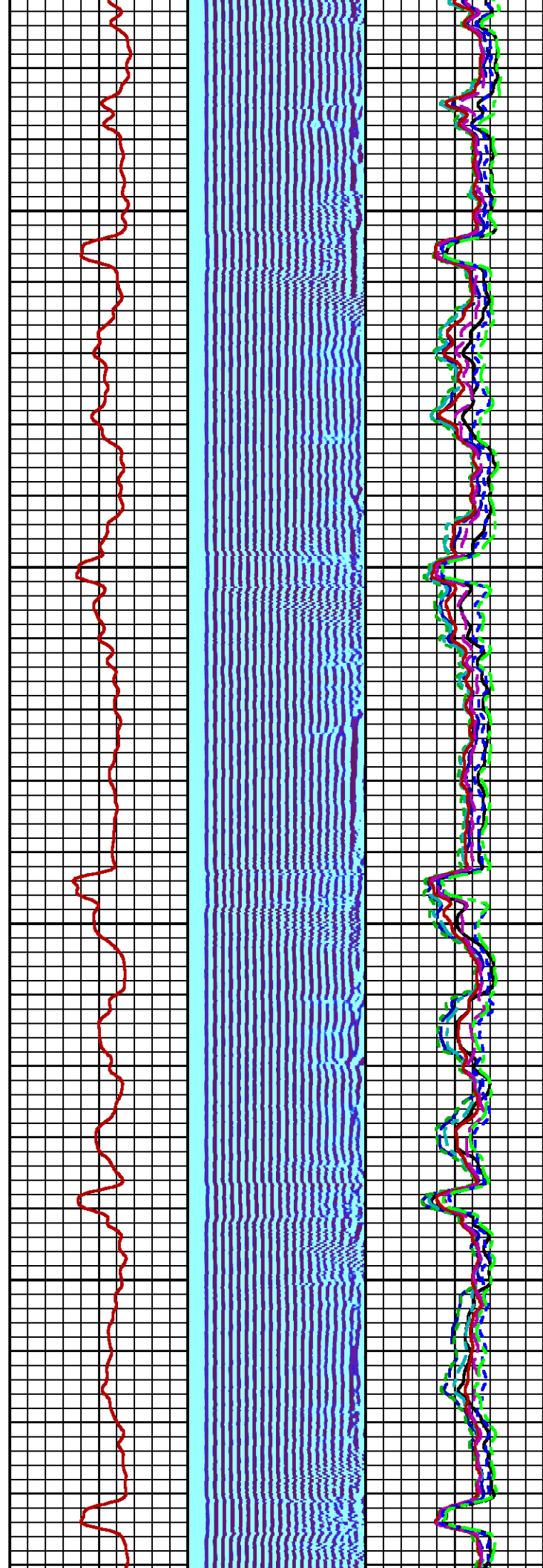


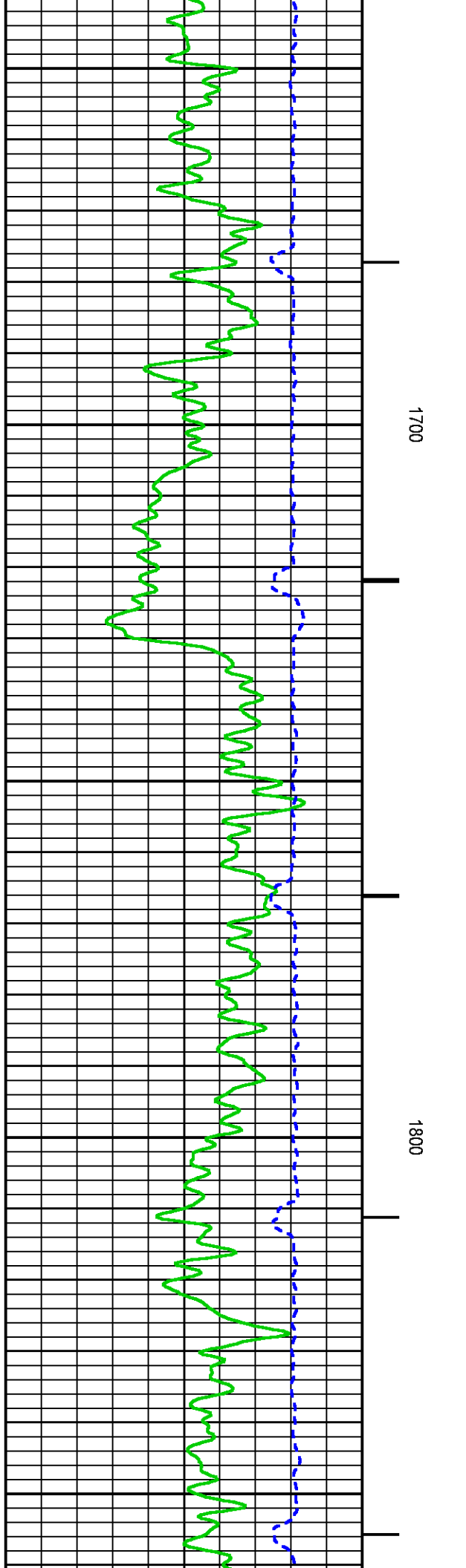
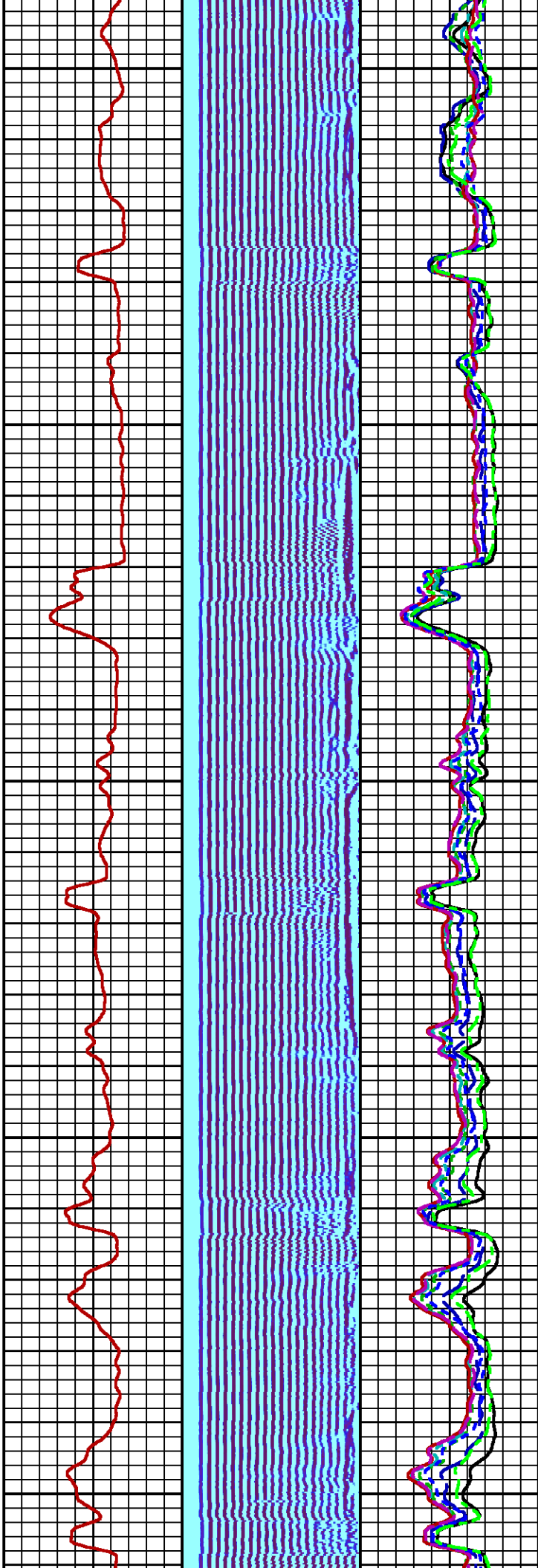
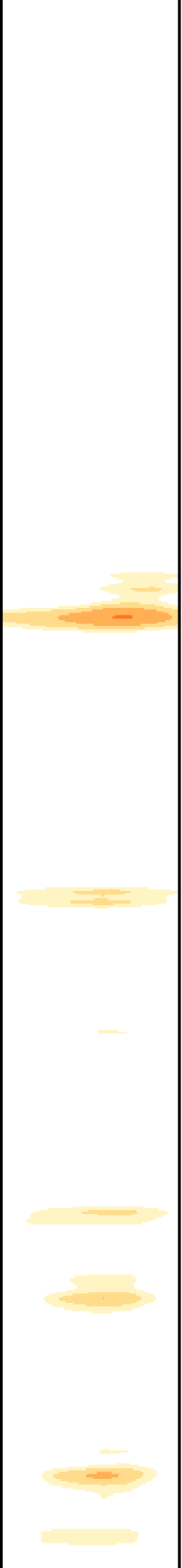


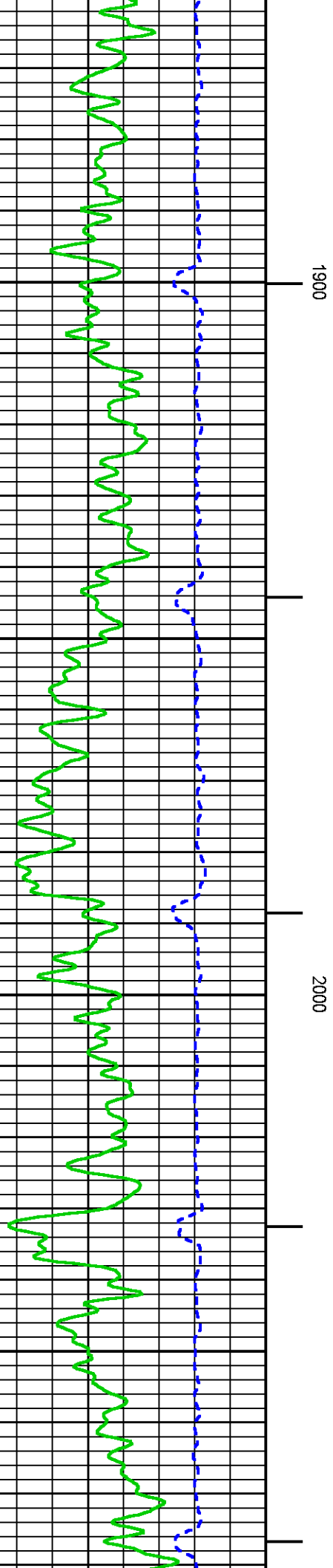
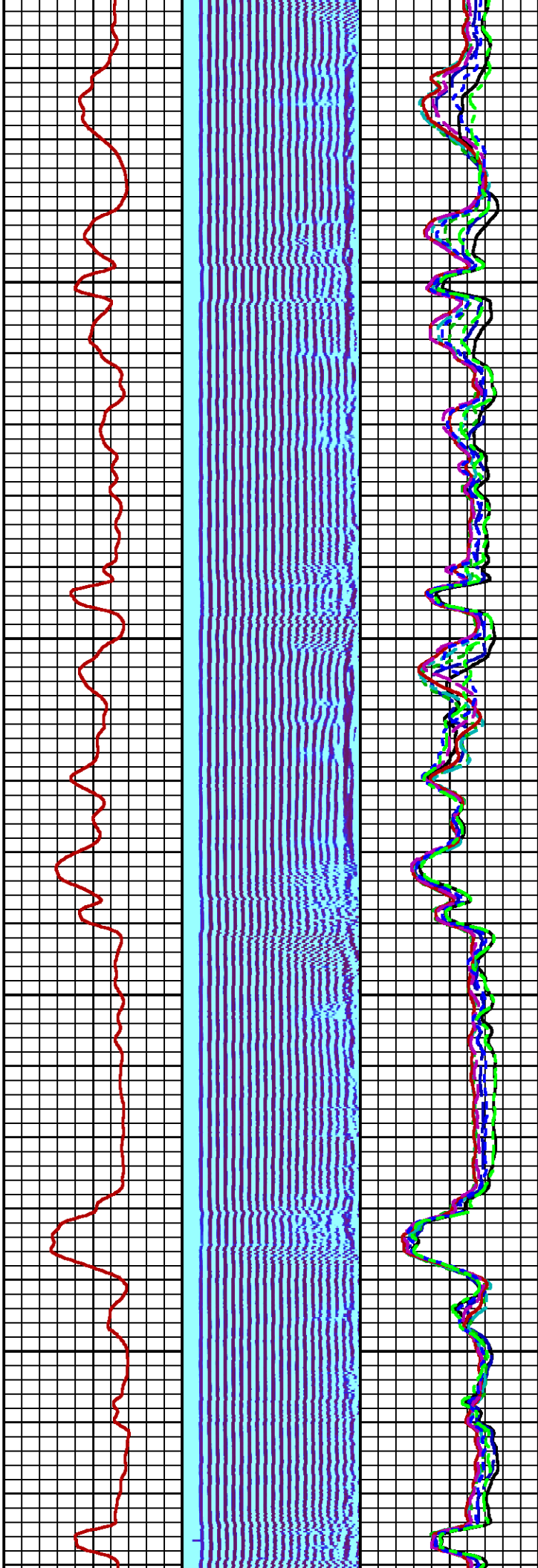
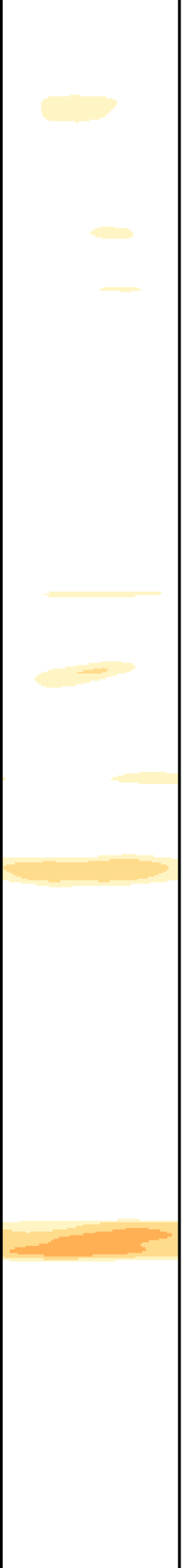


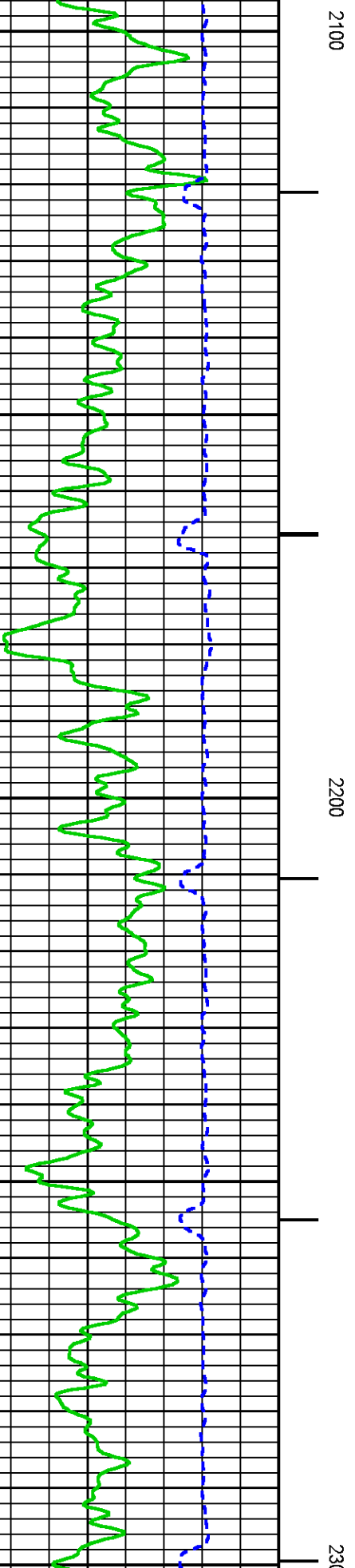
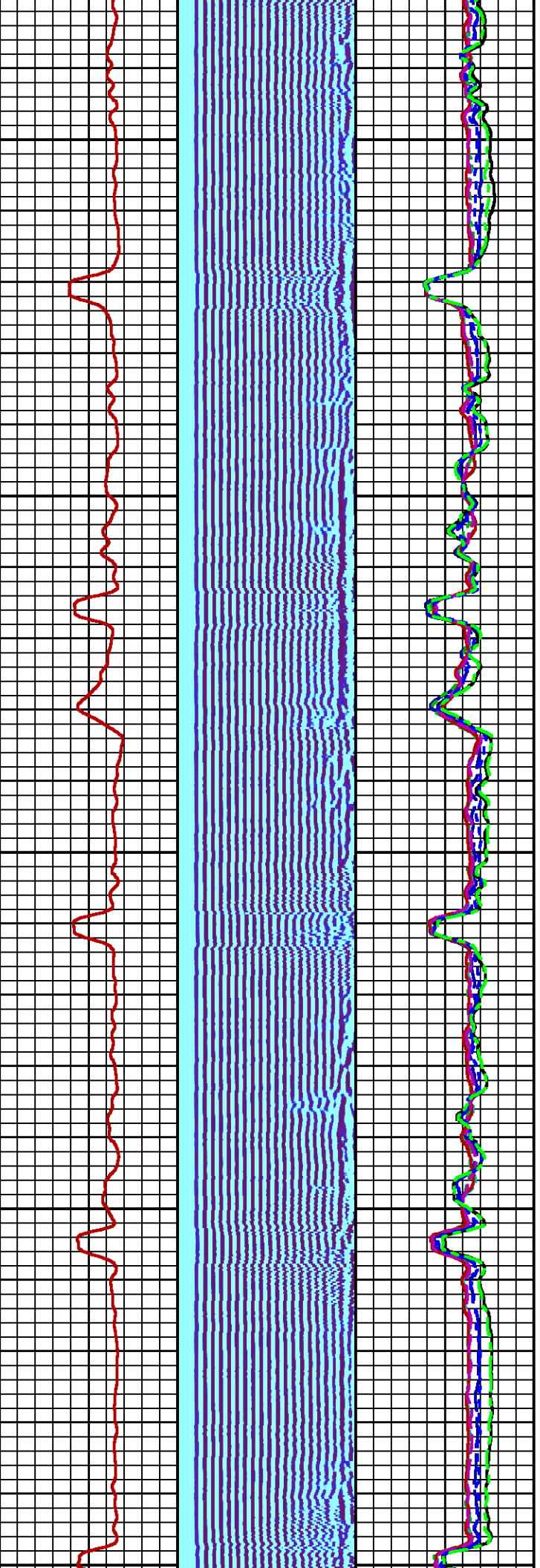


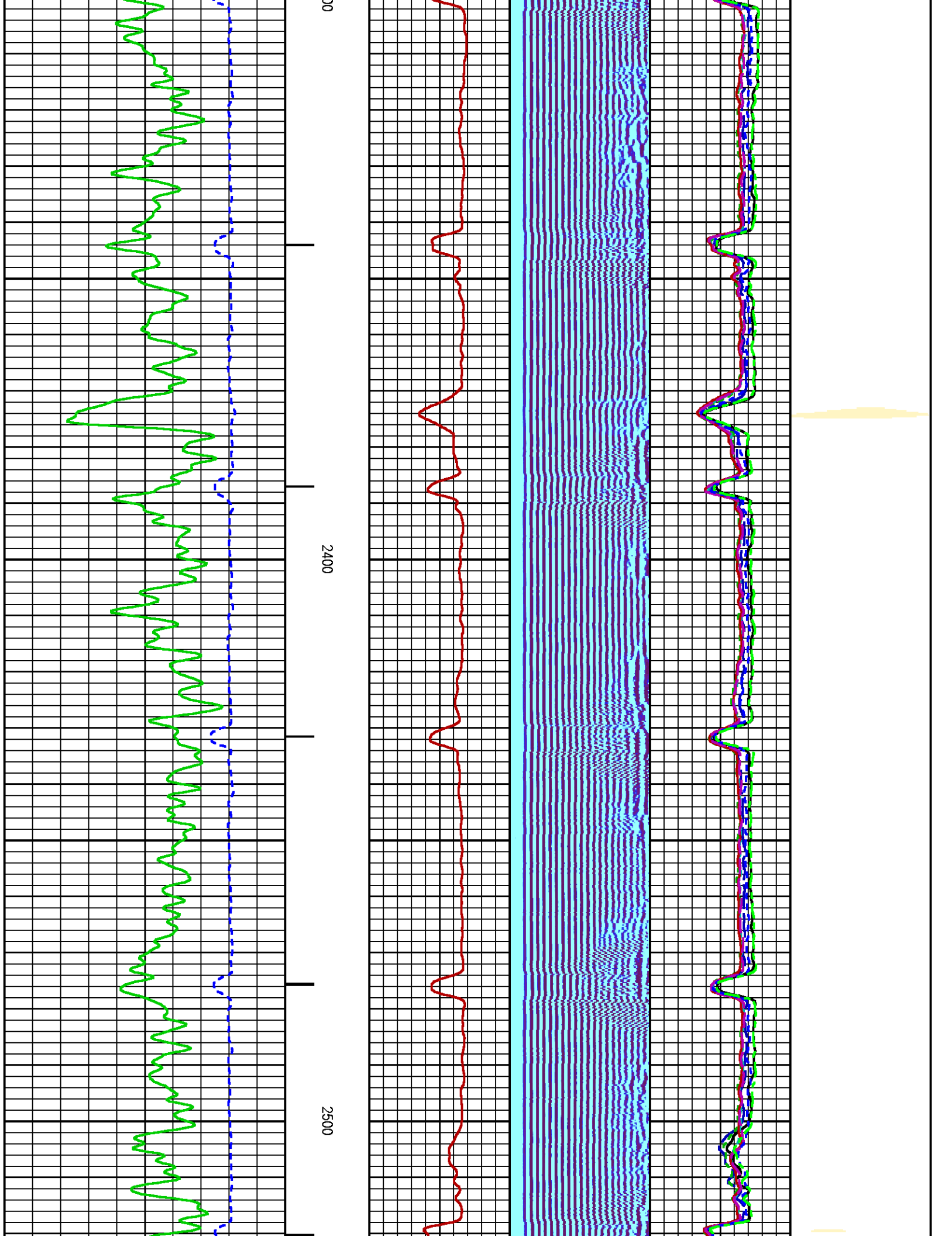


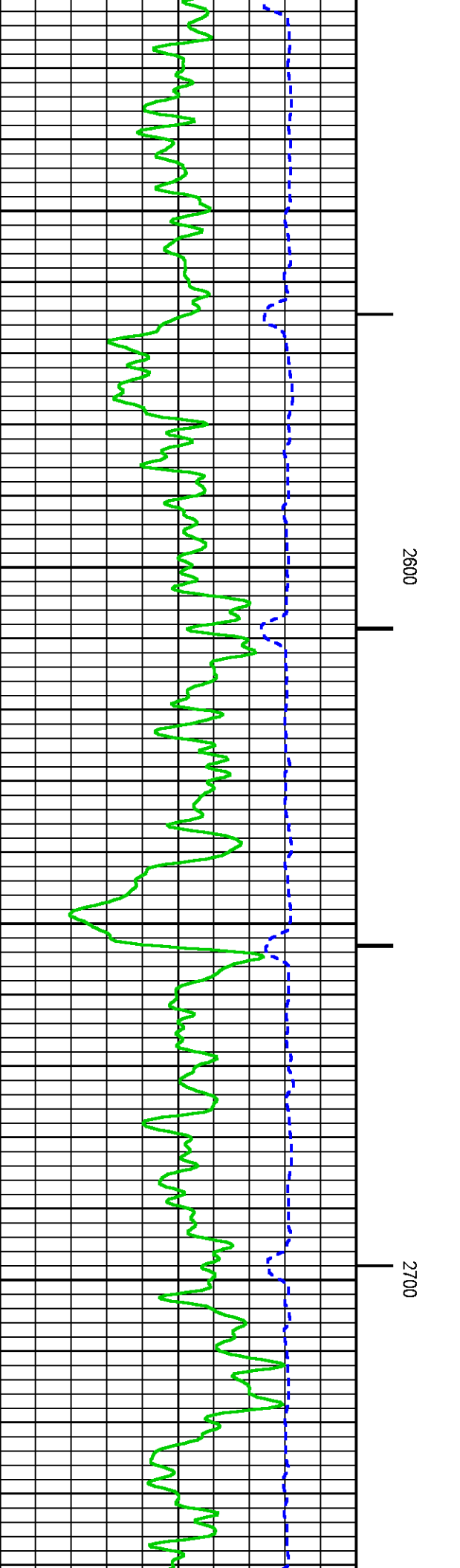
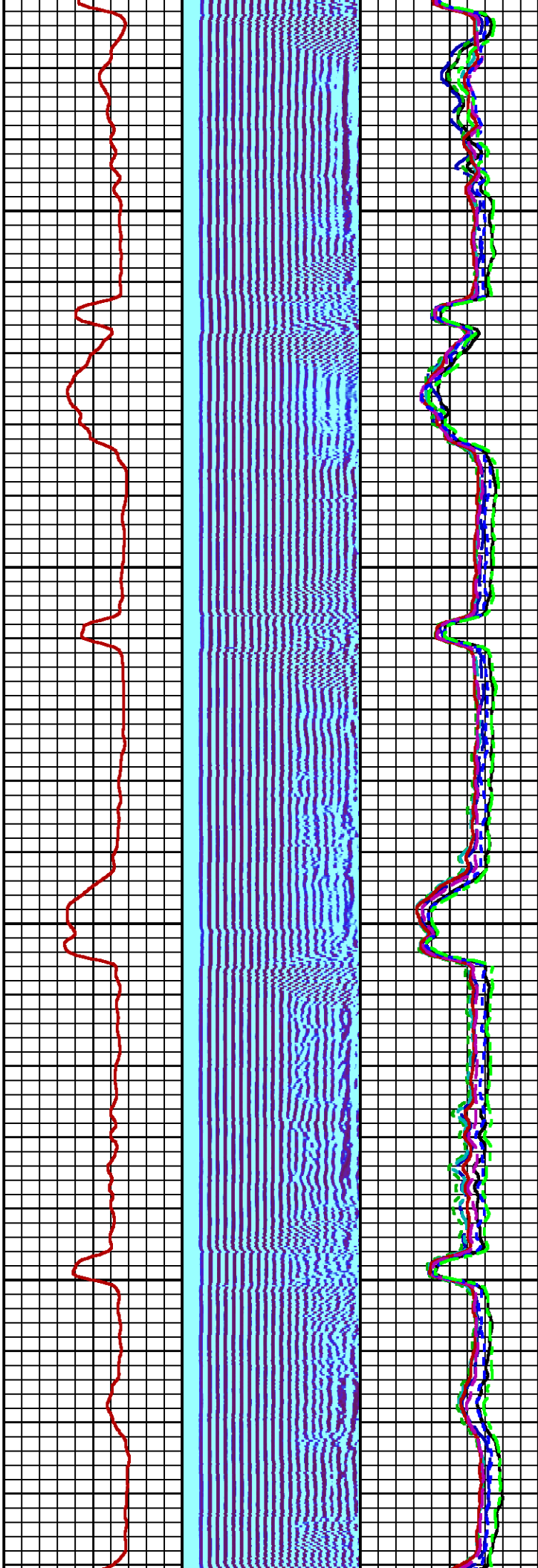
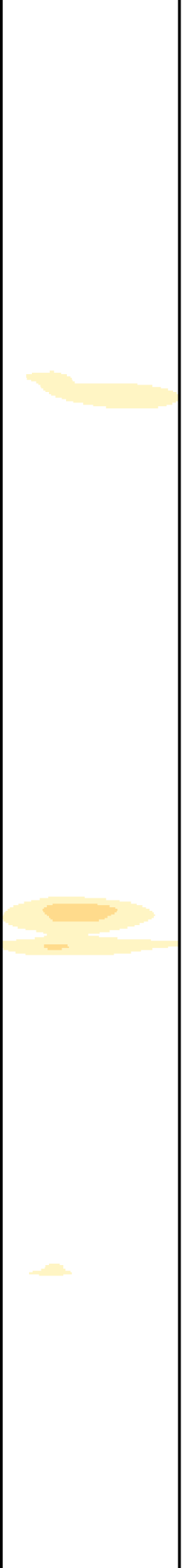


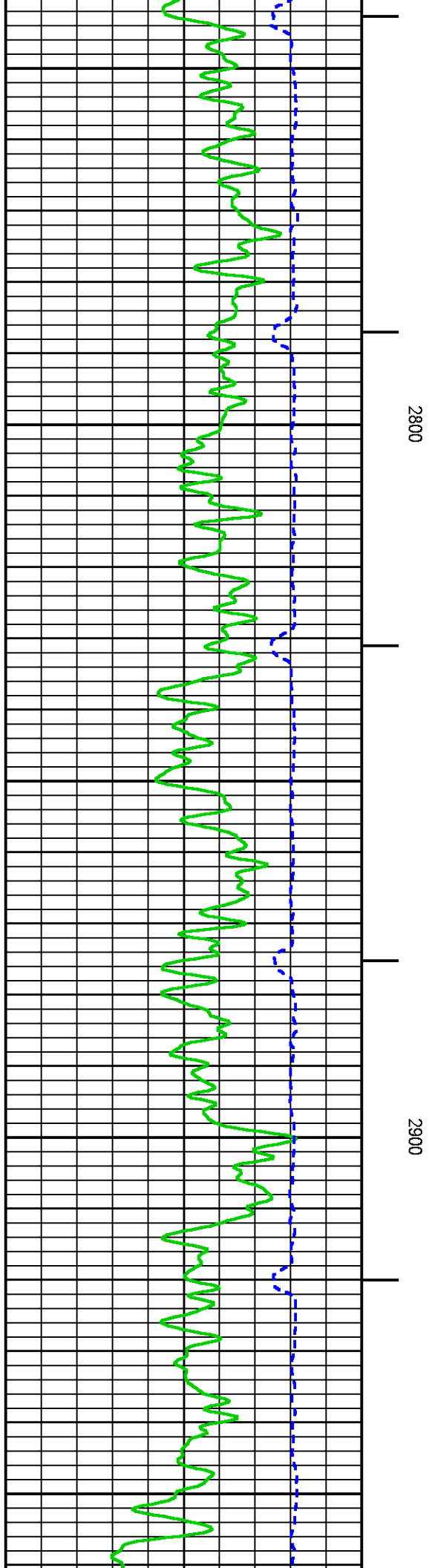
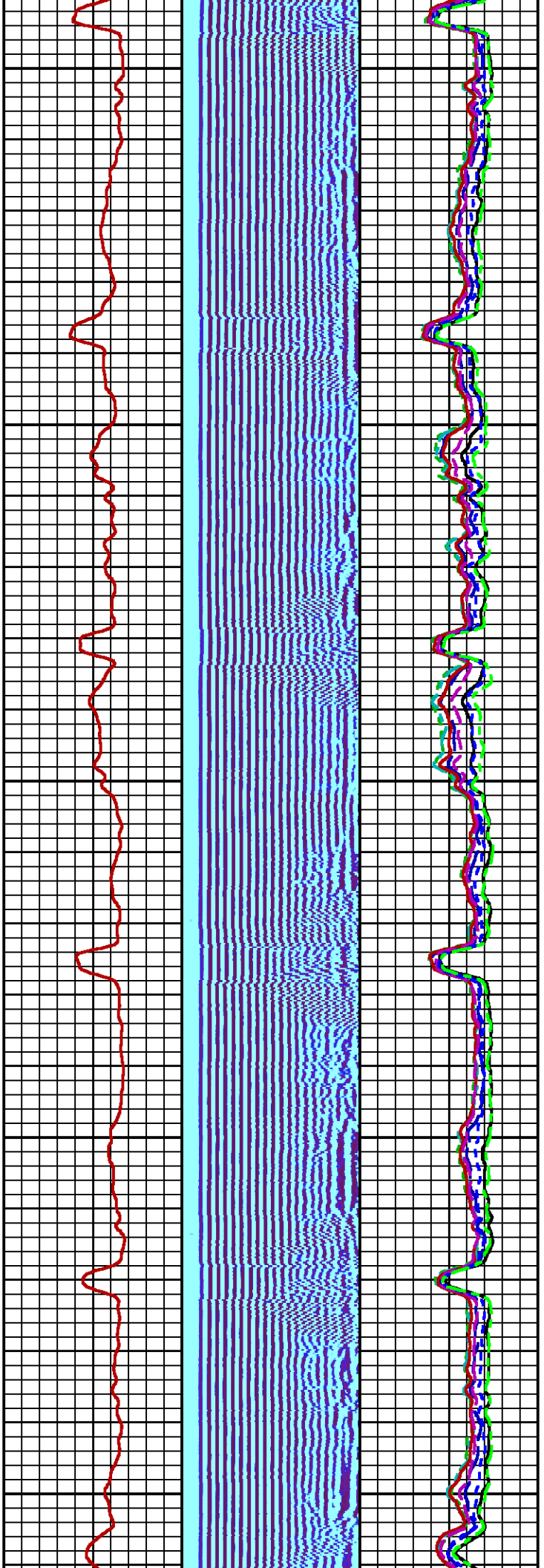


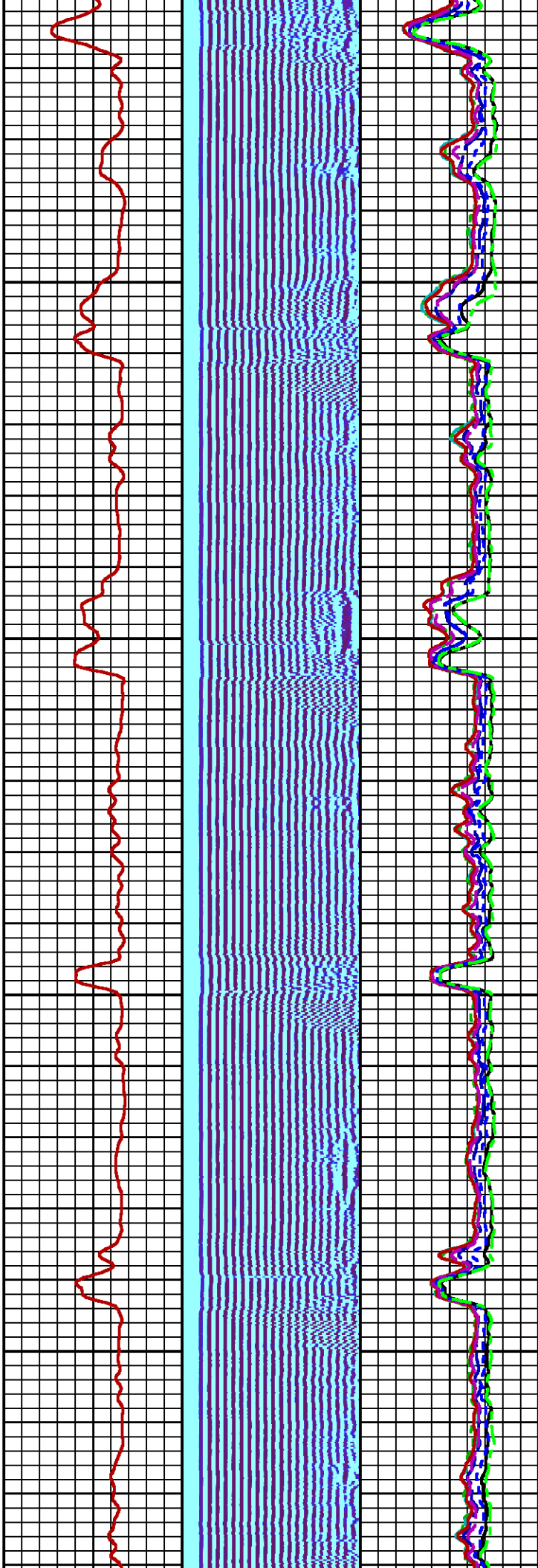






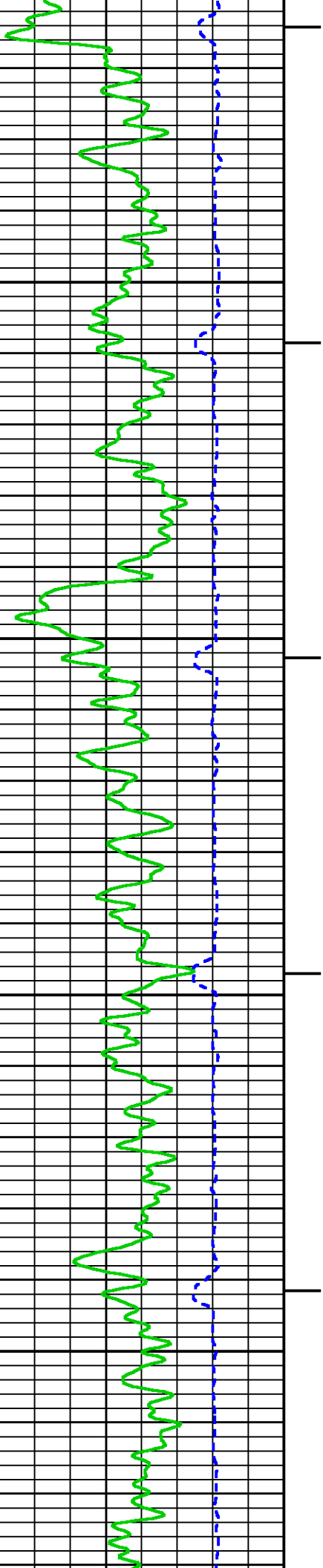


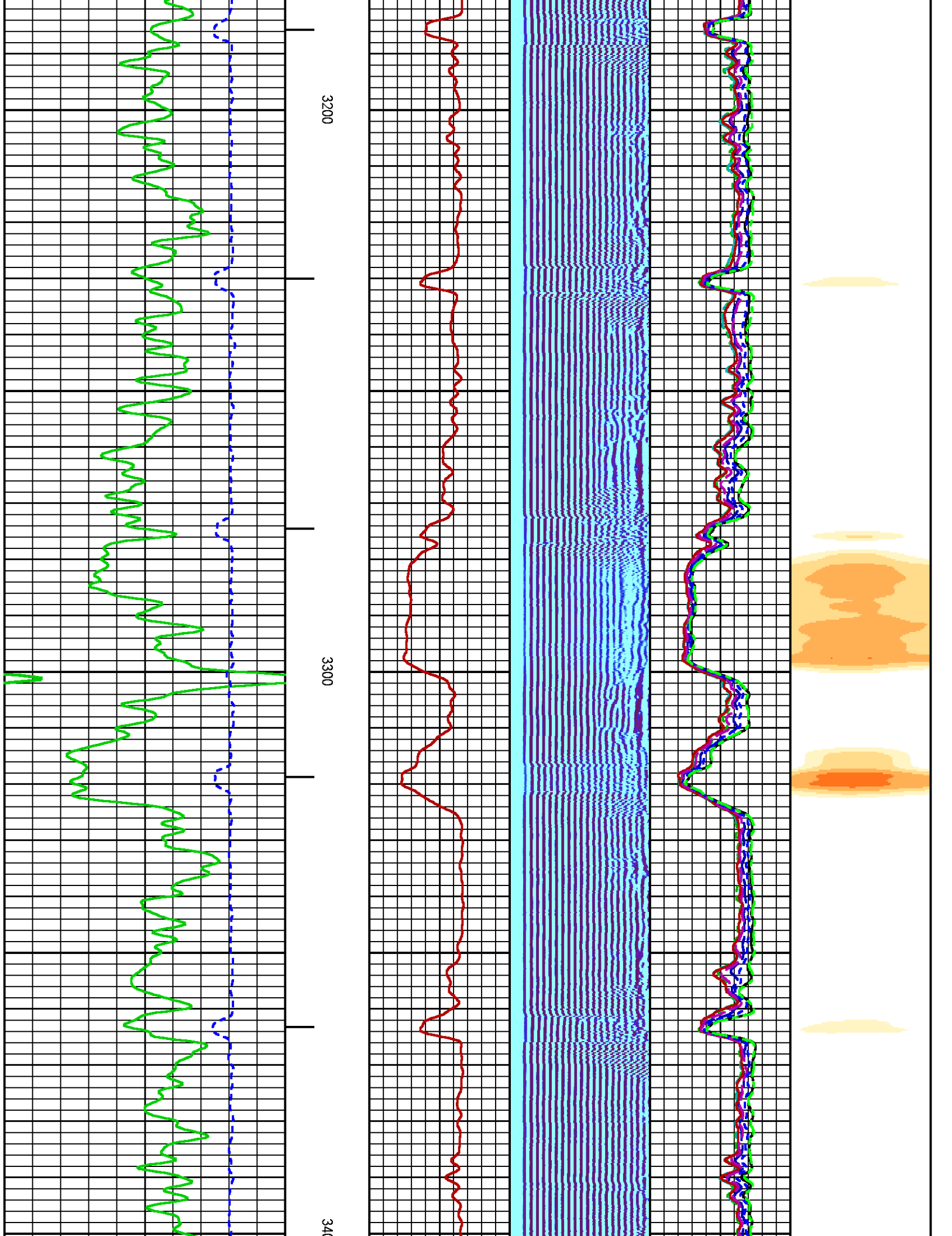




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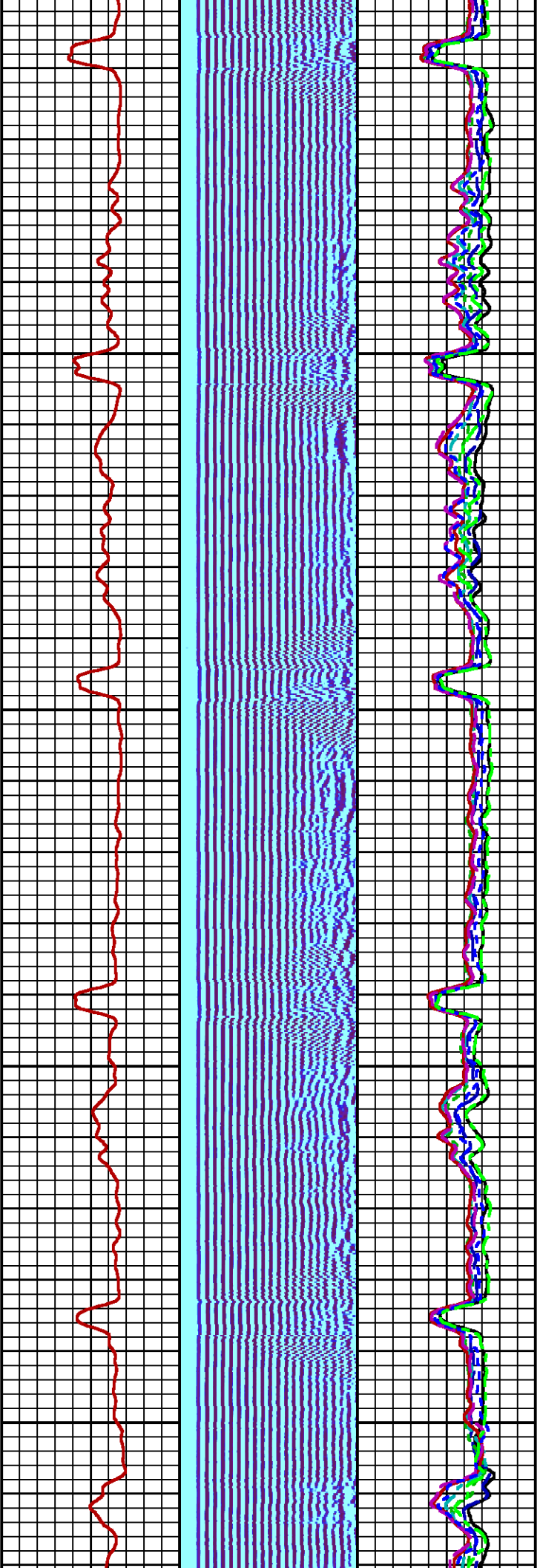
3100





100

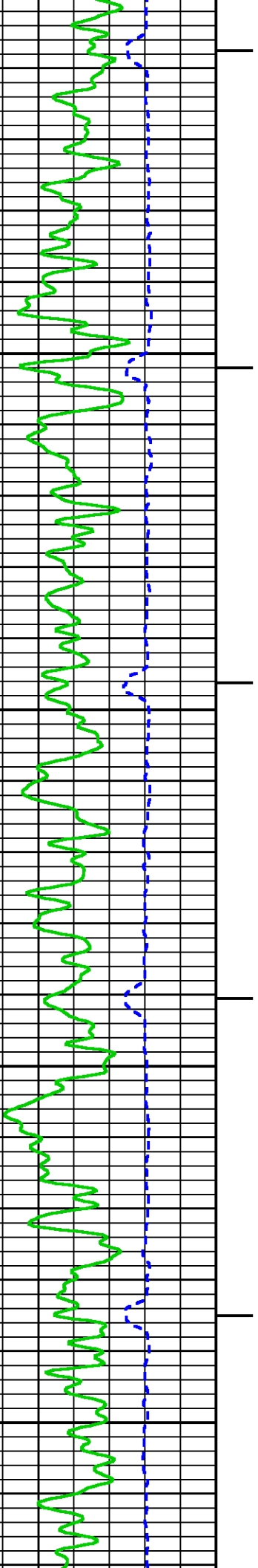
100

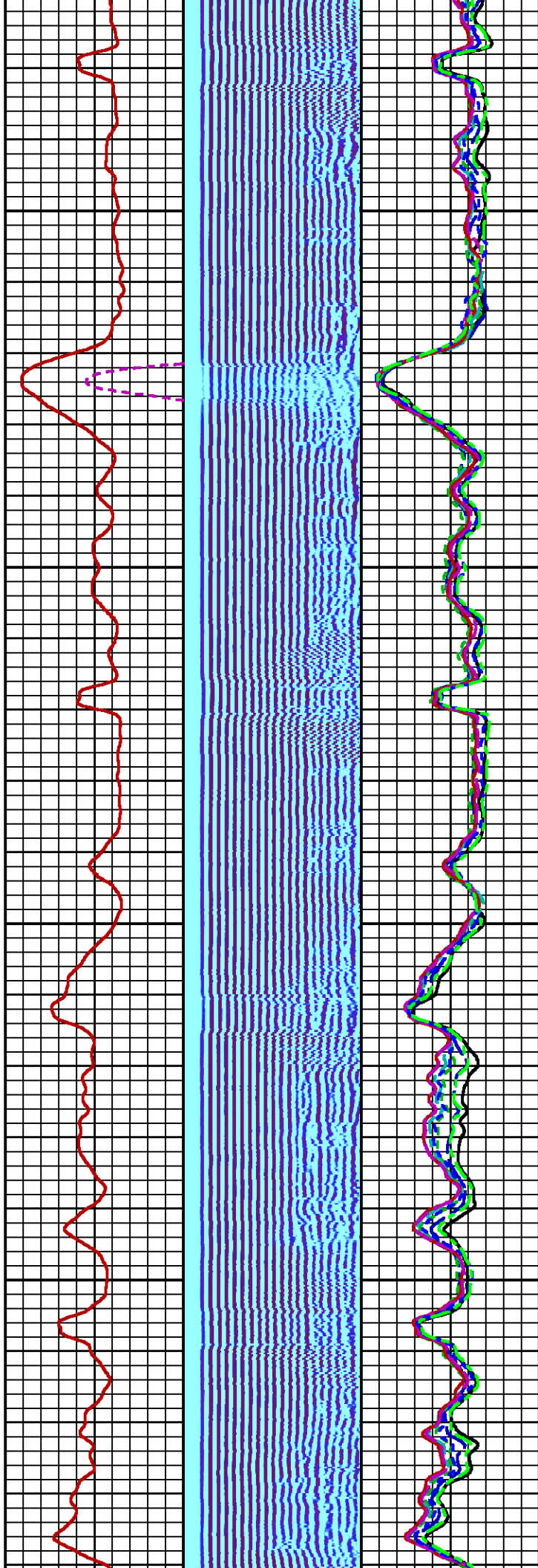
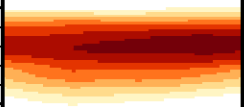


100

3500

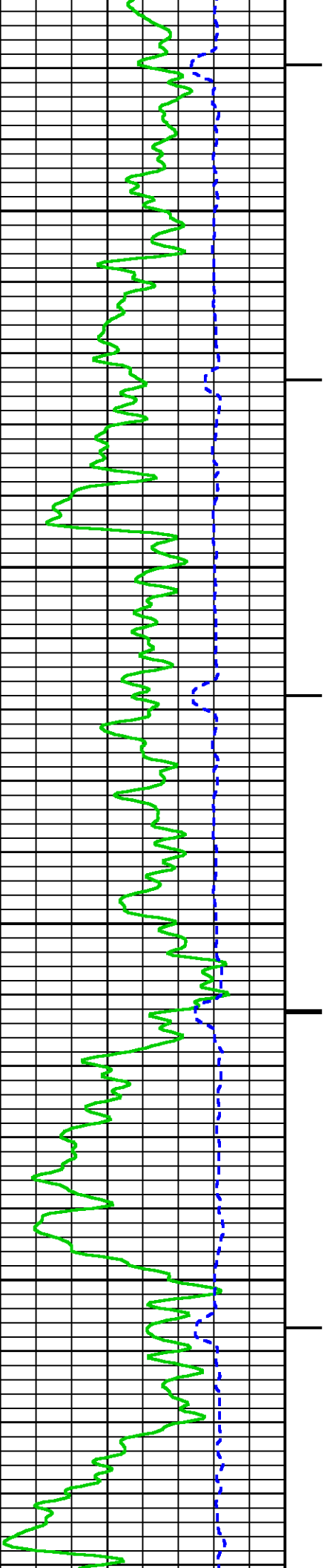
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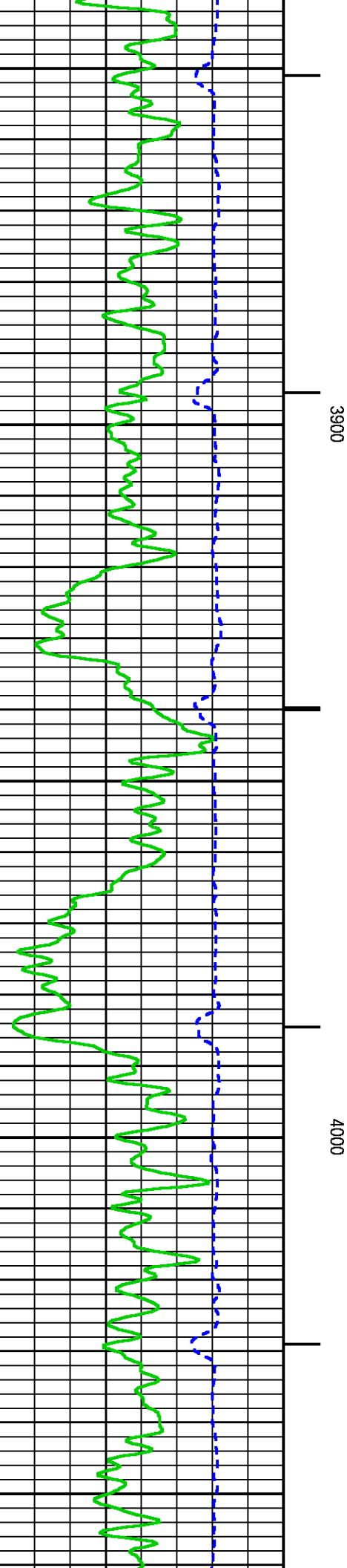
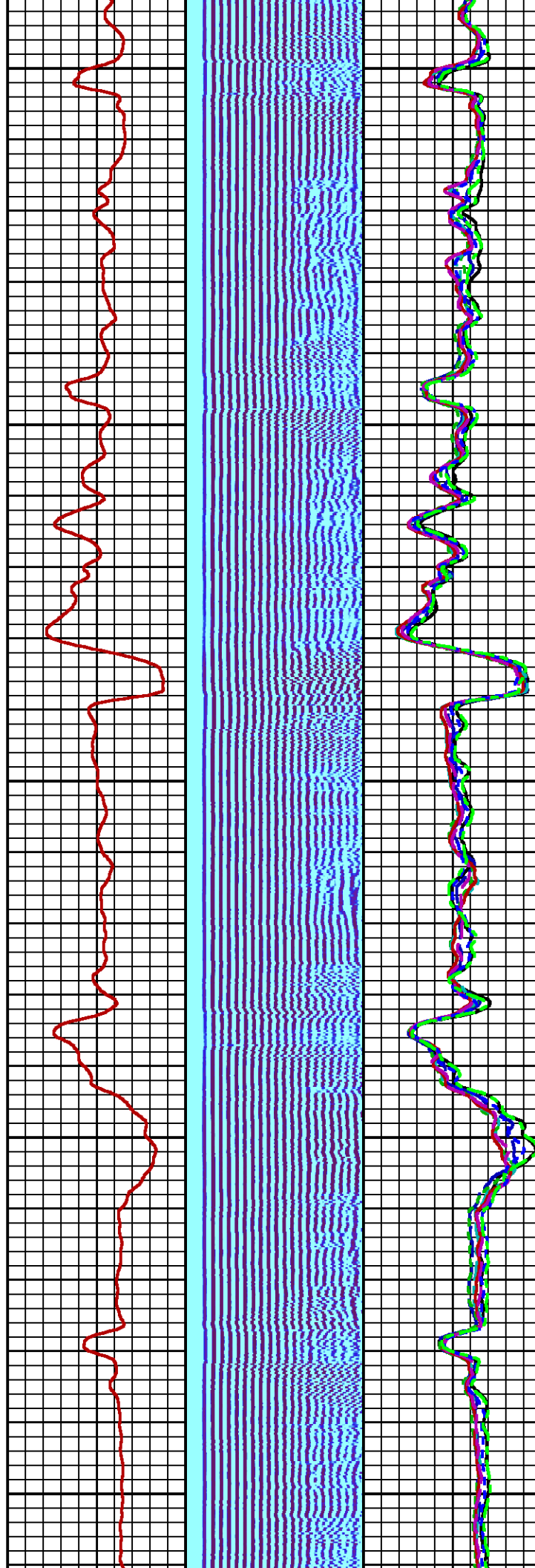
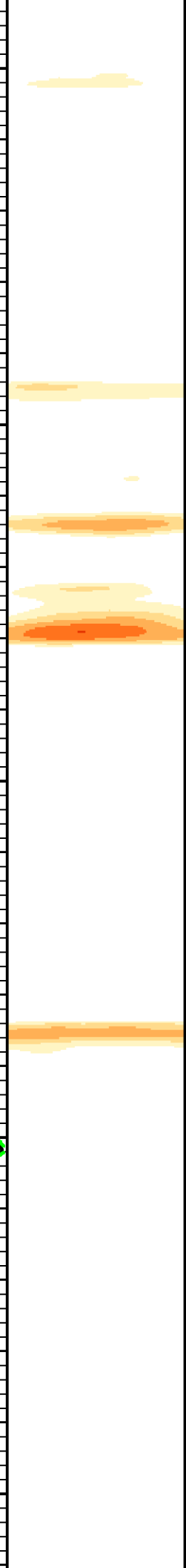


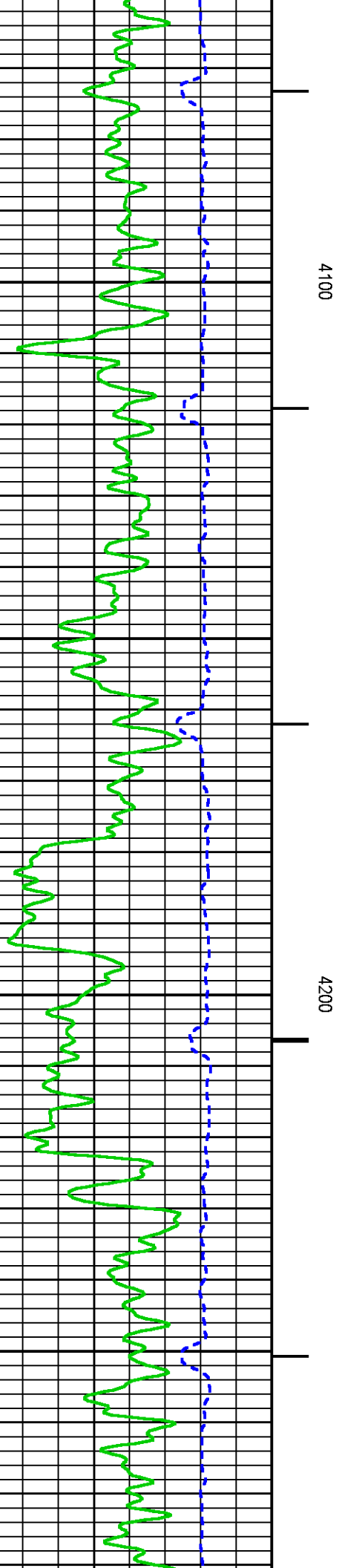
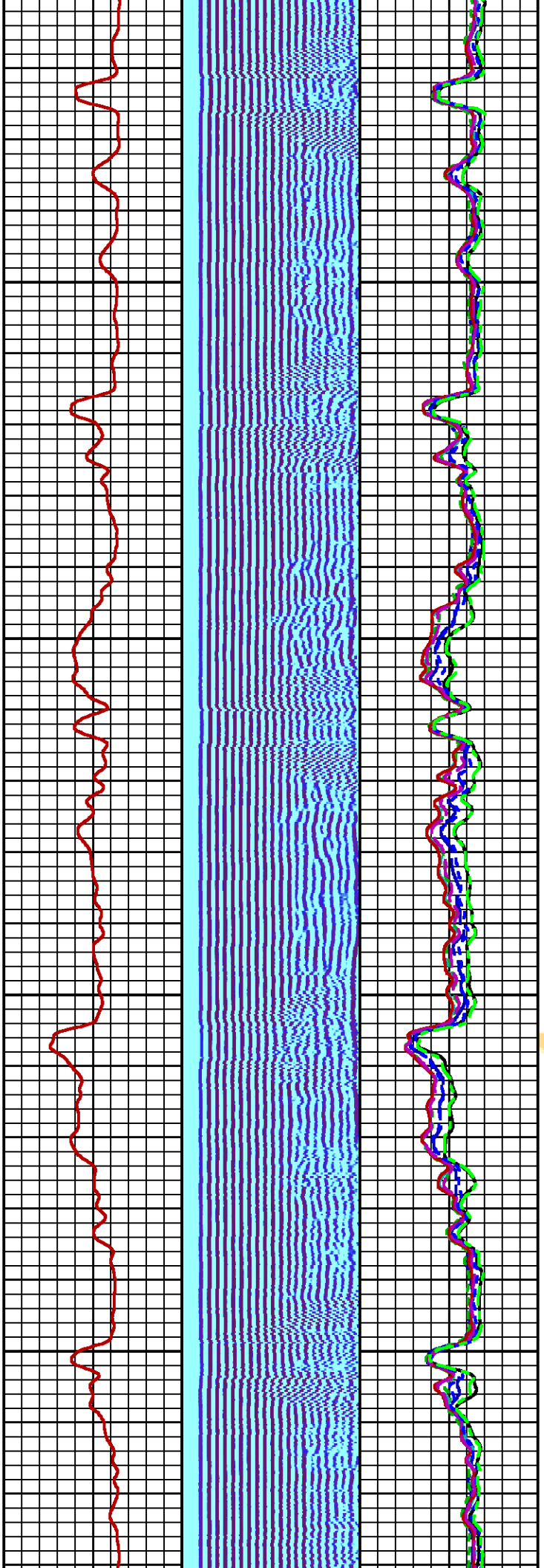
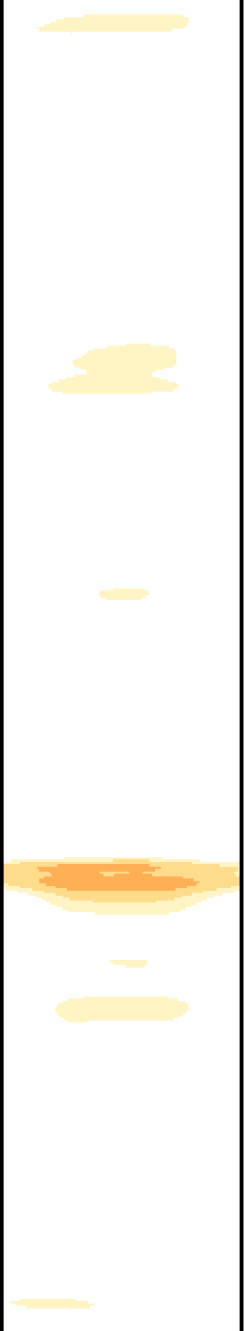


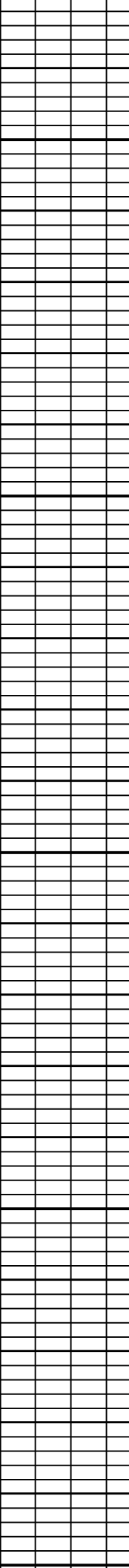
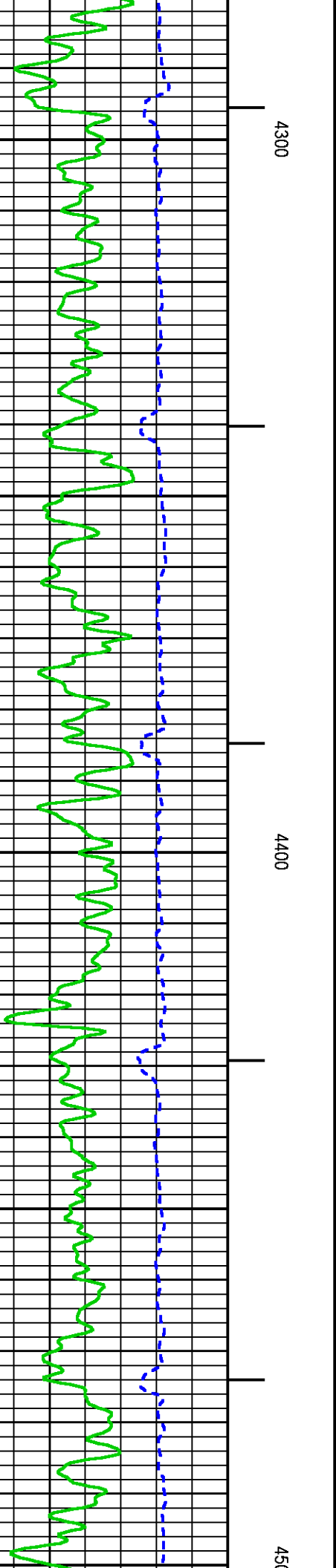
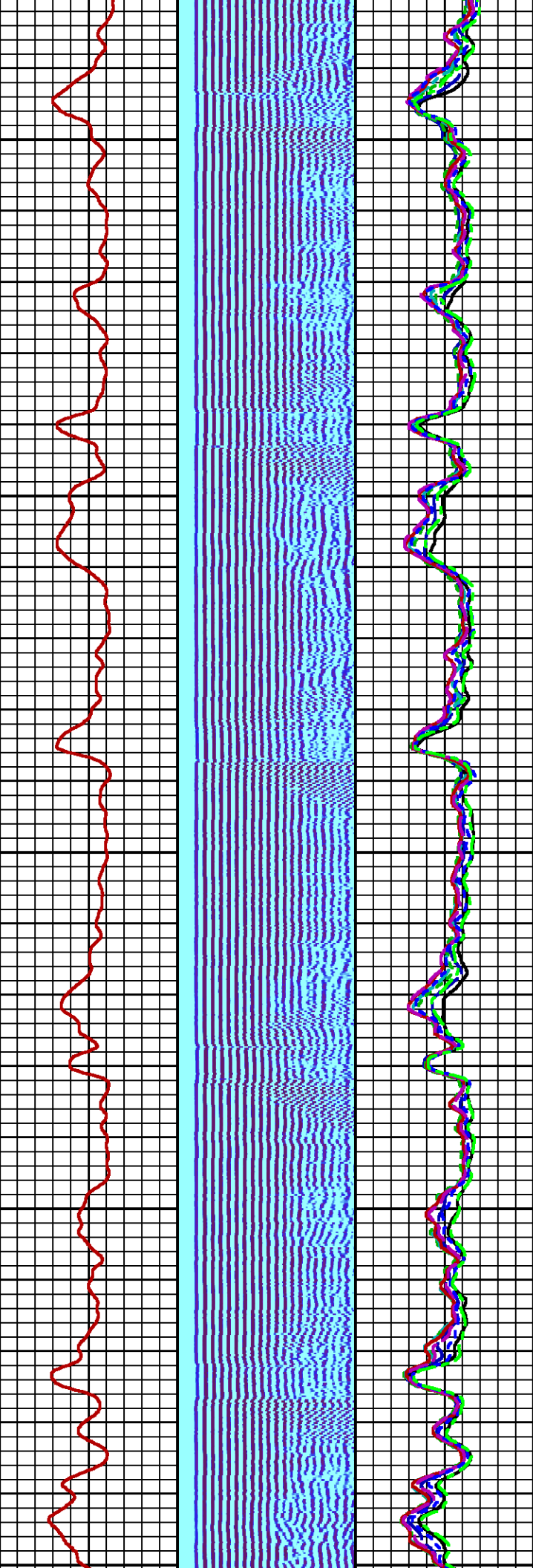
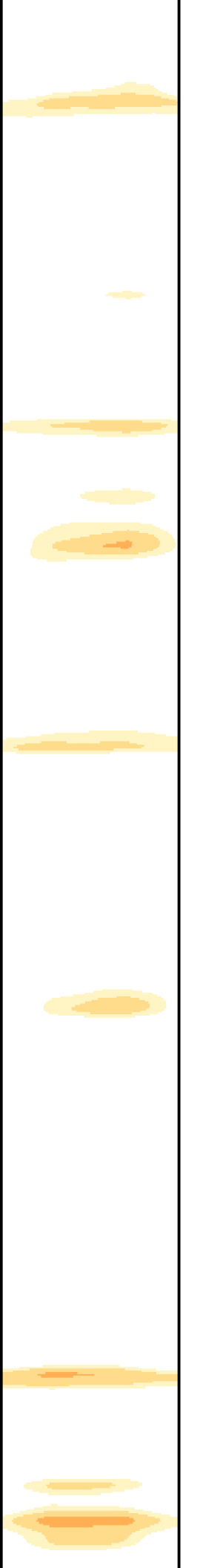
3700

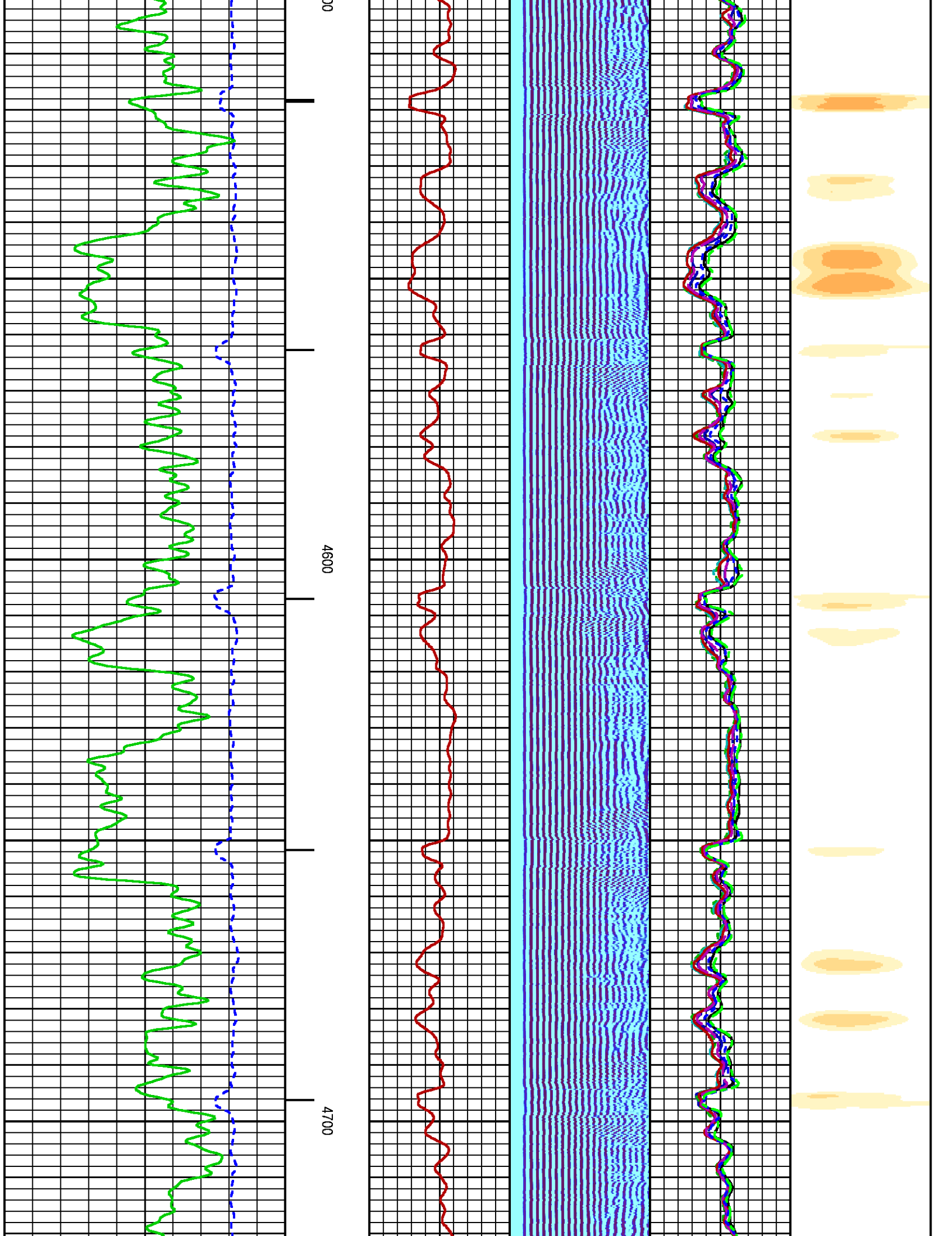
3800

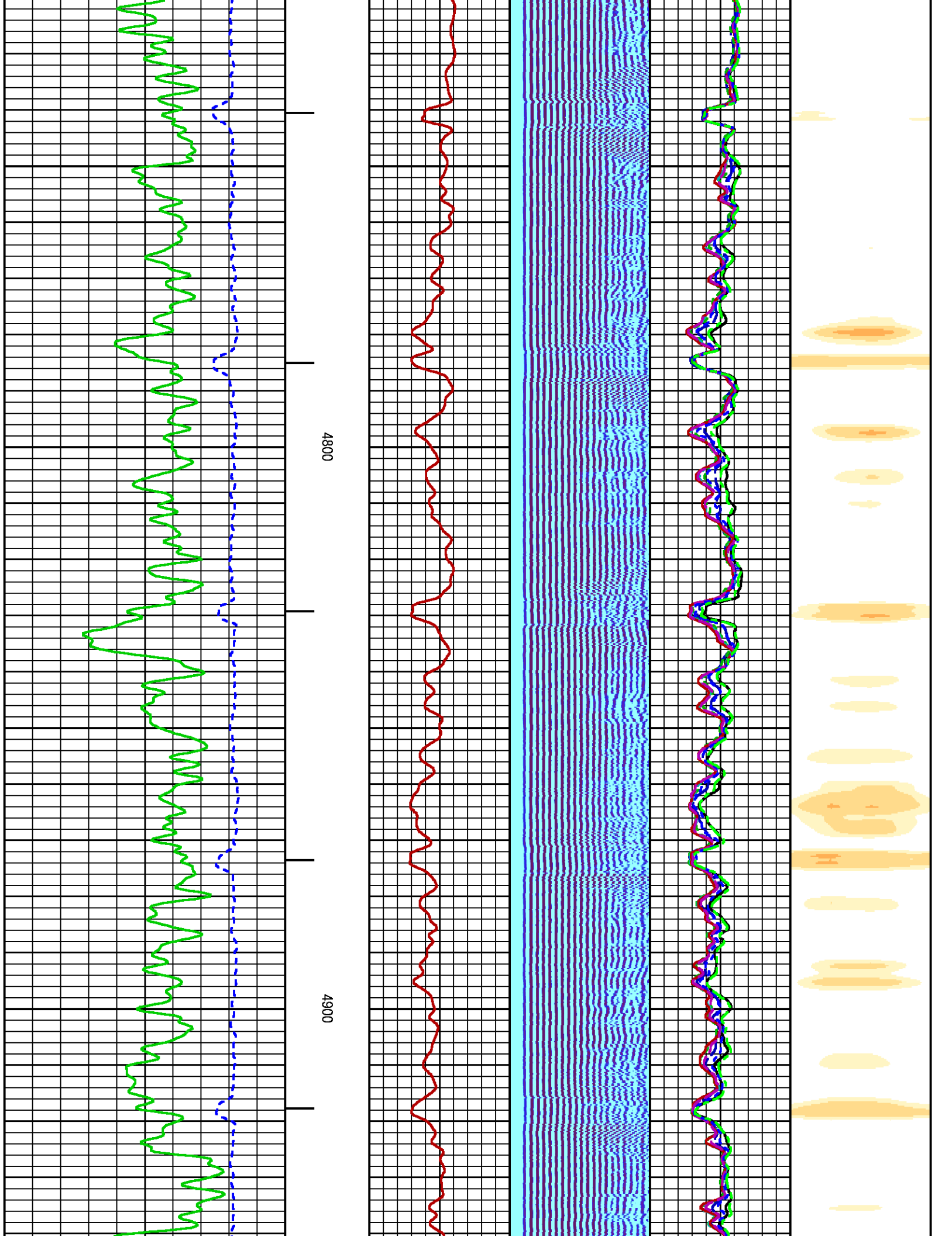


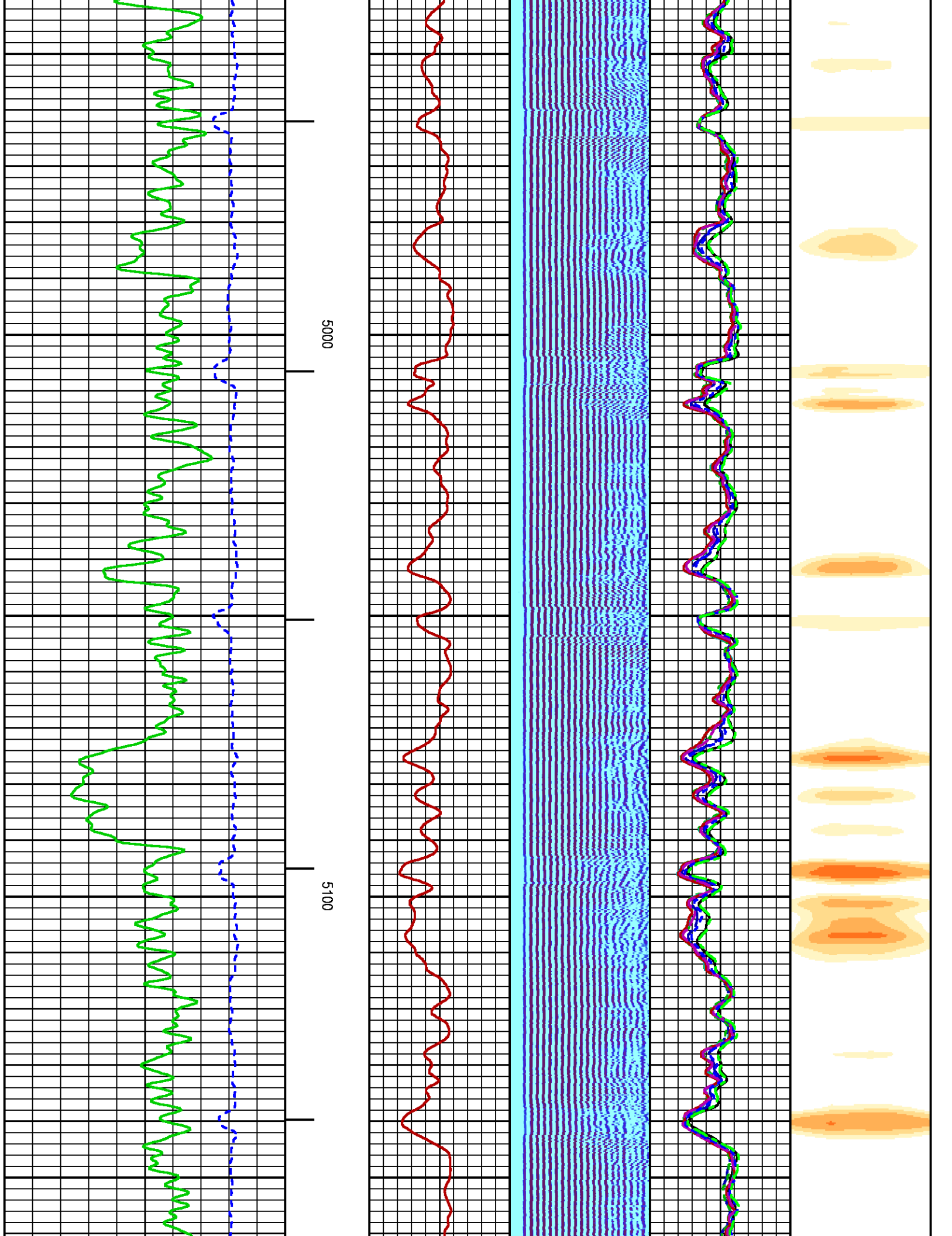


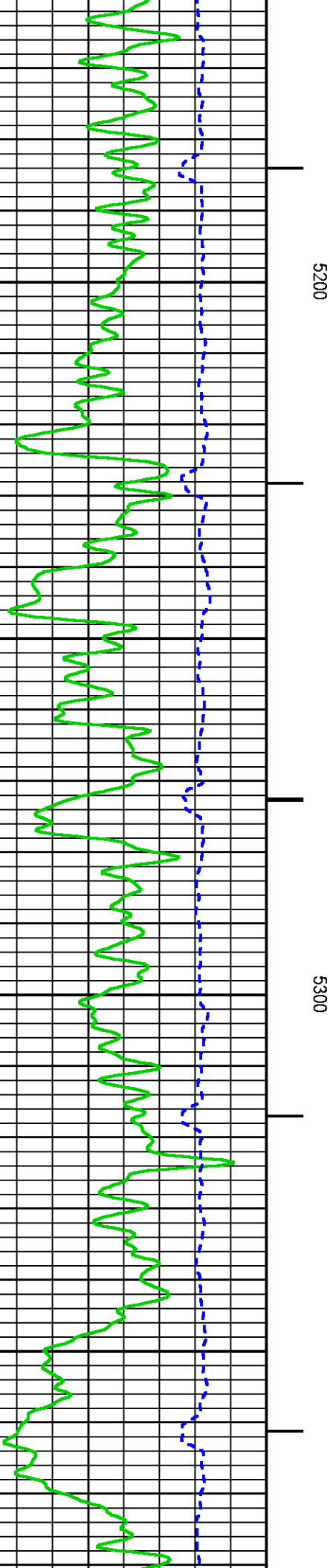
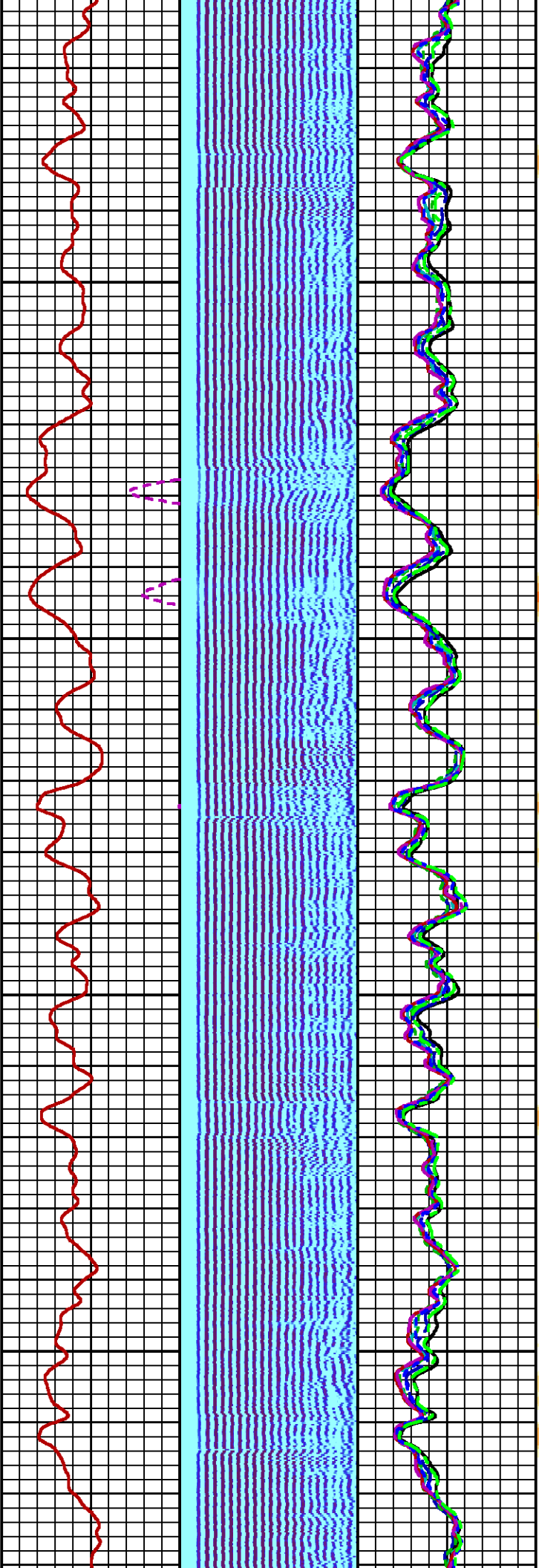
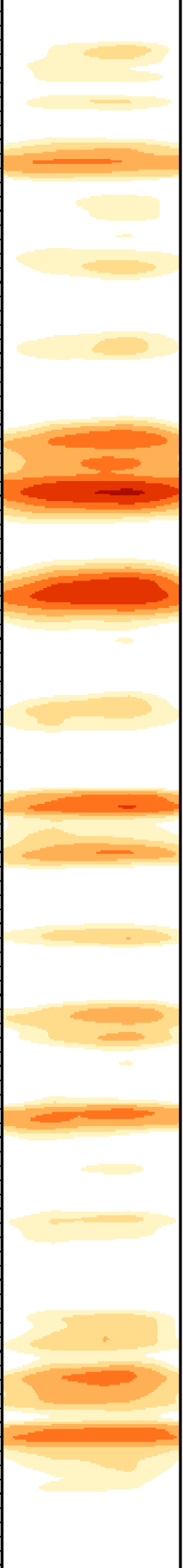


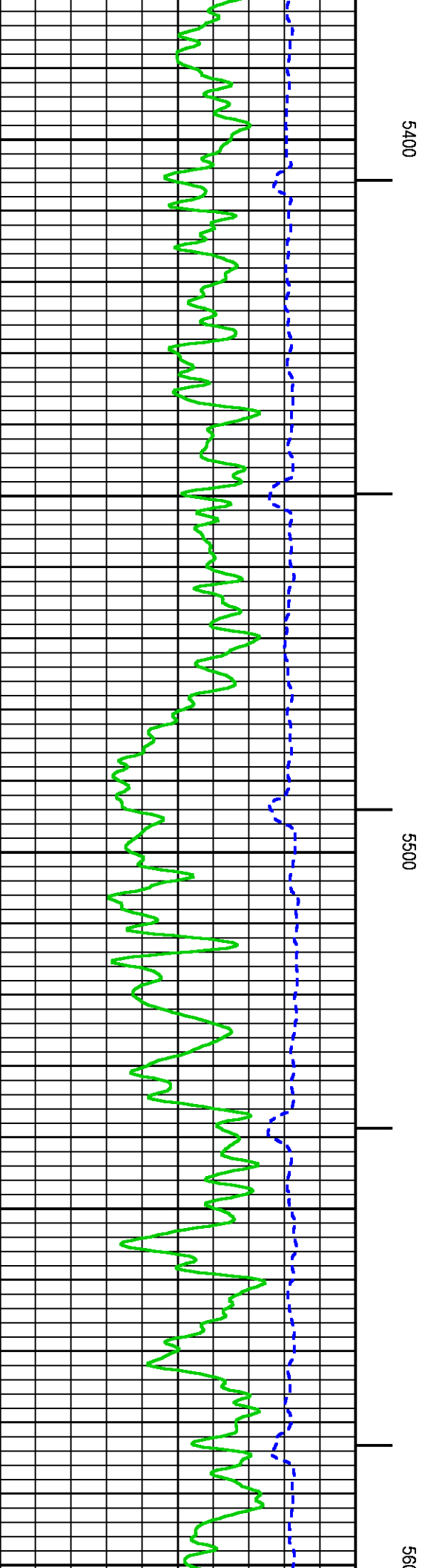
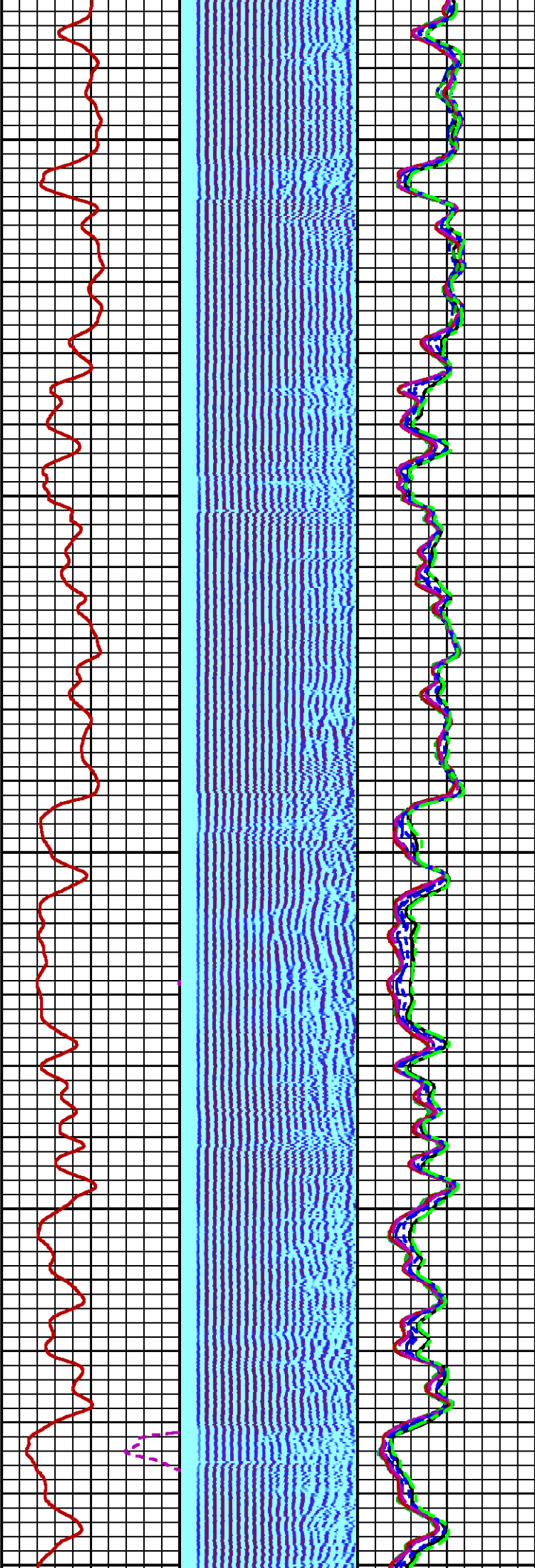
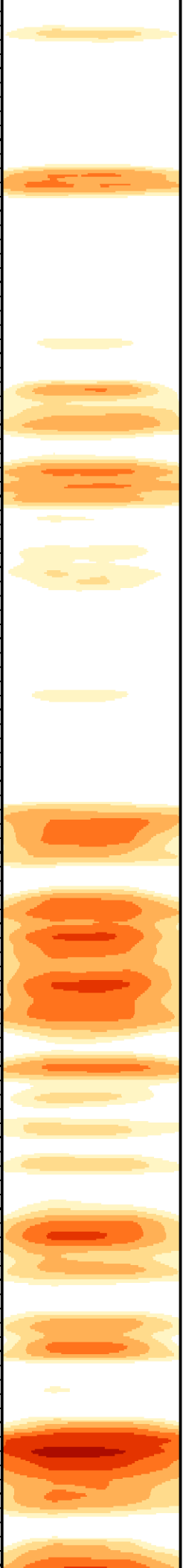


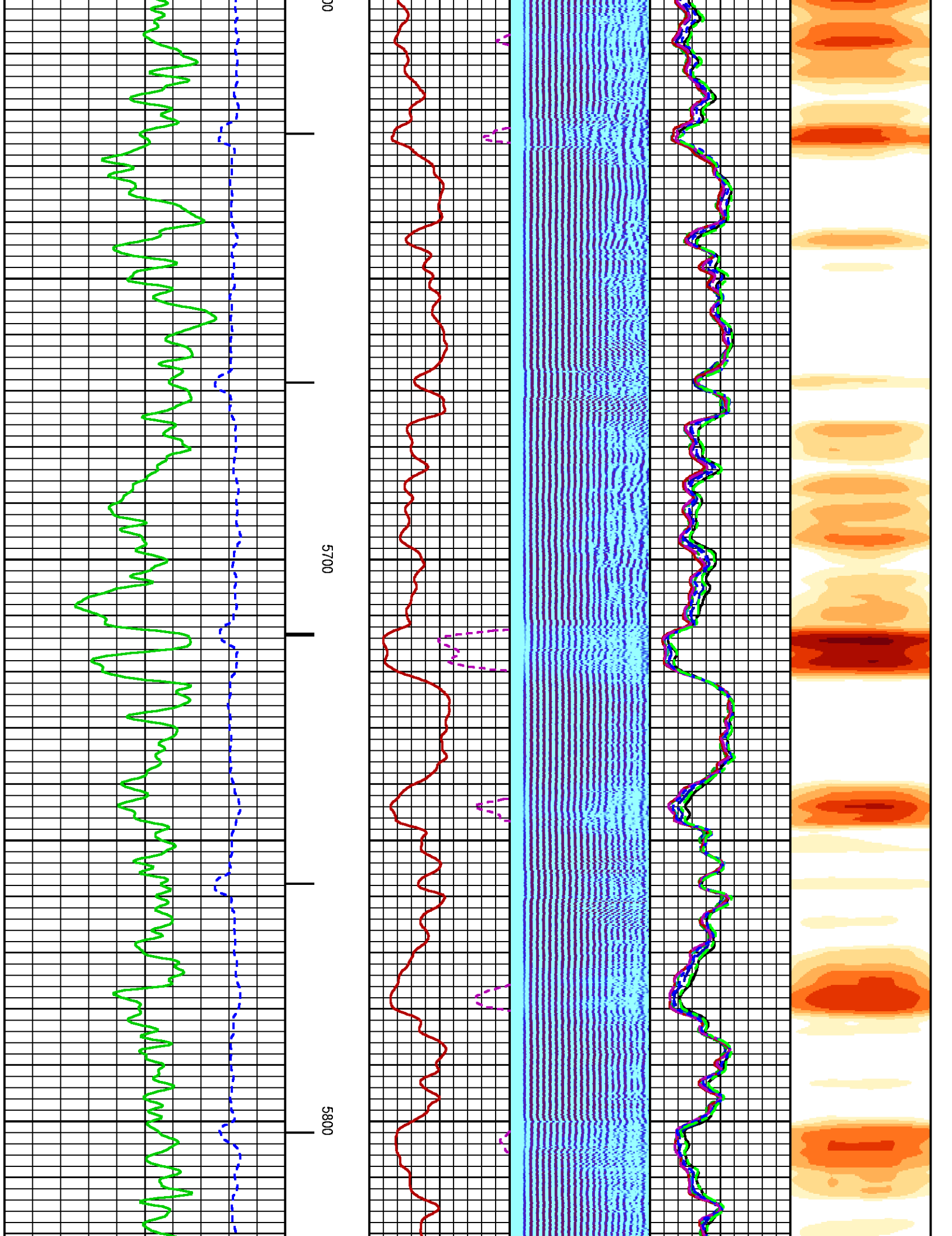


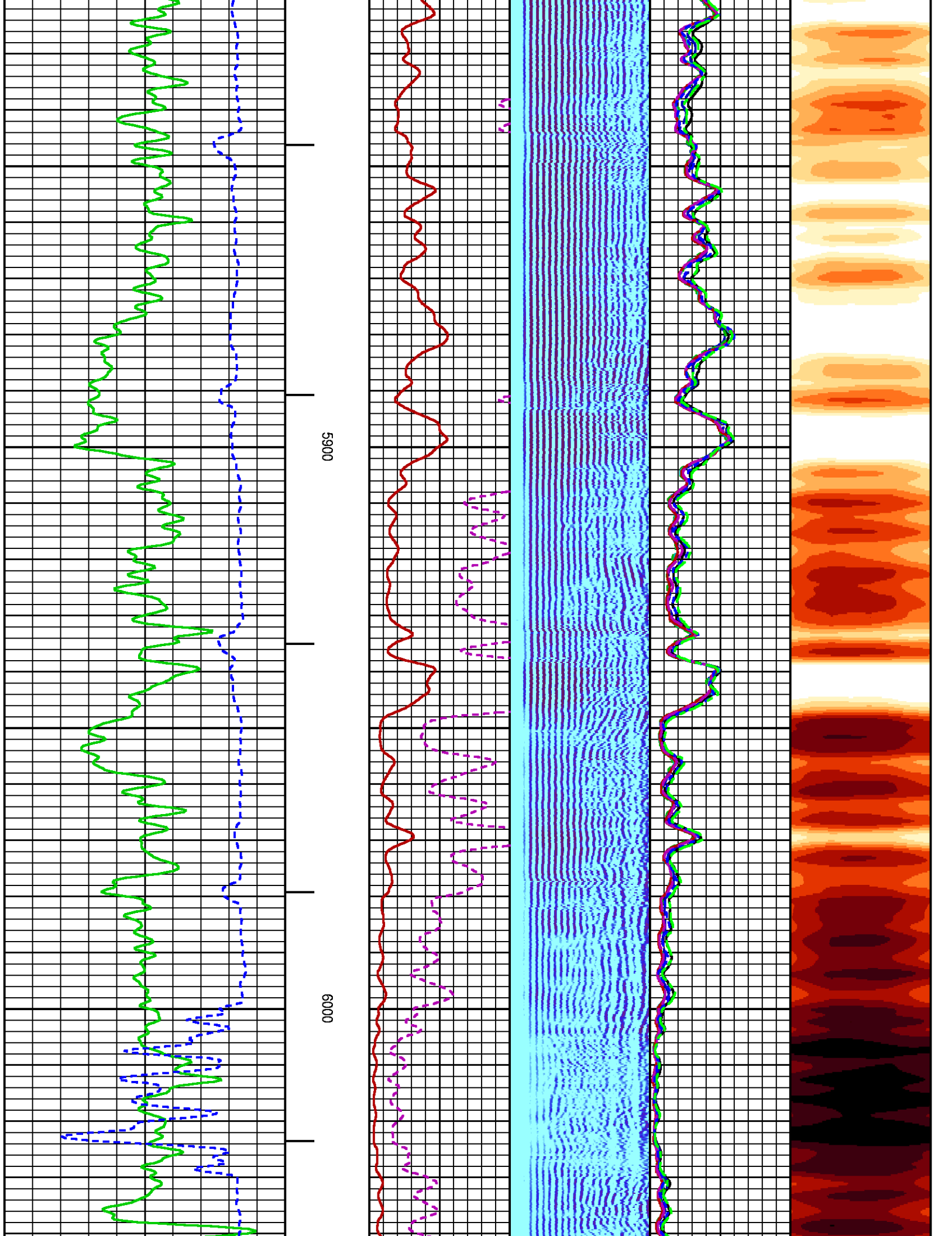


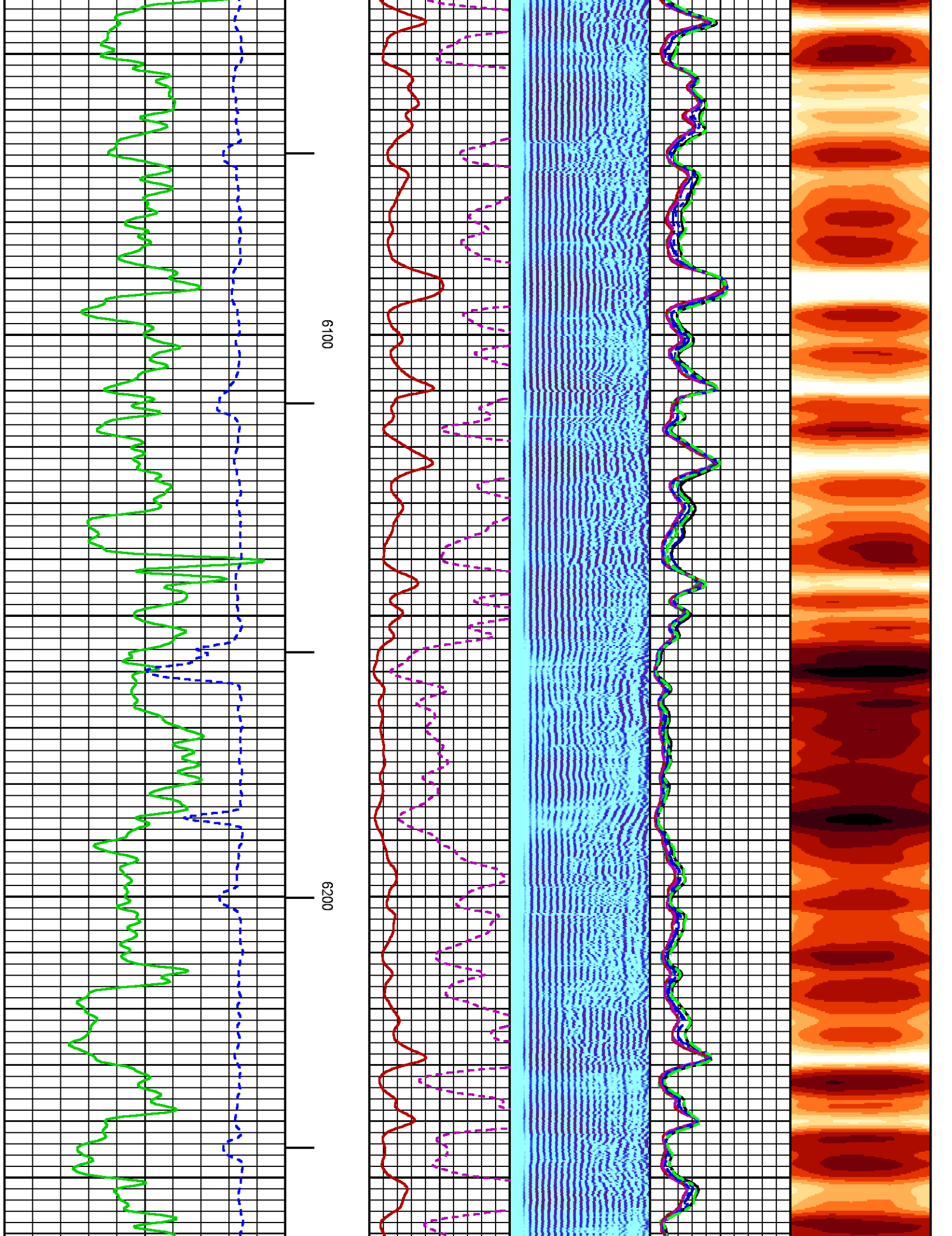


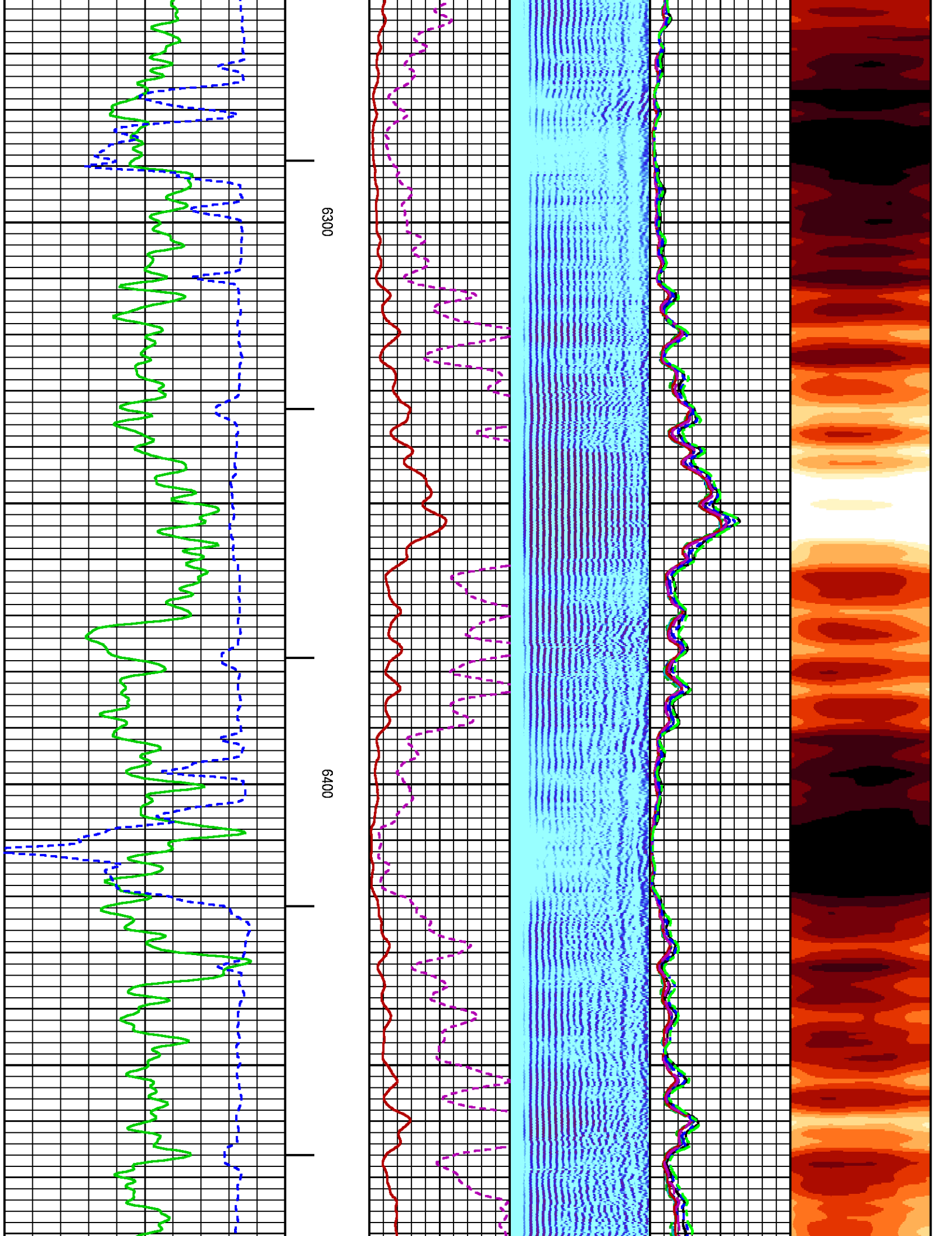


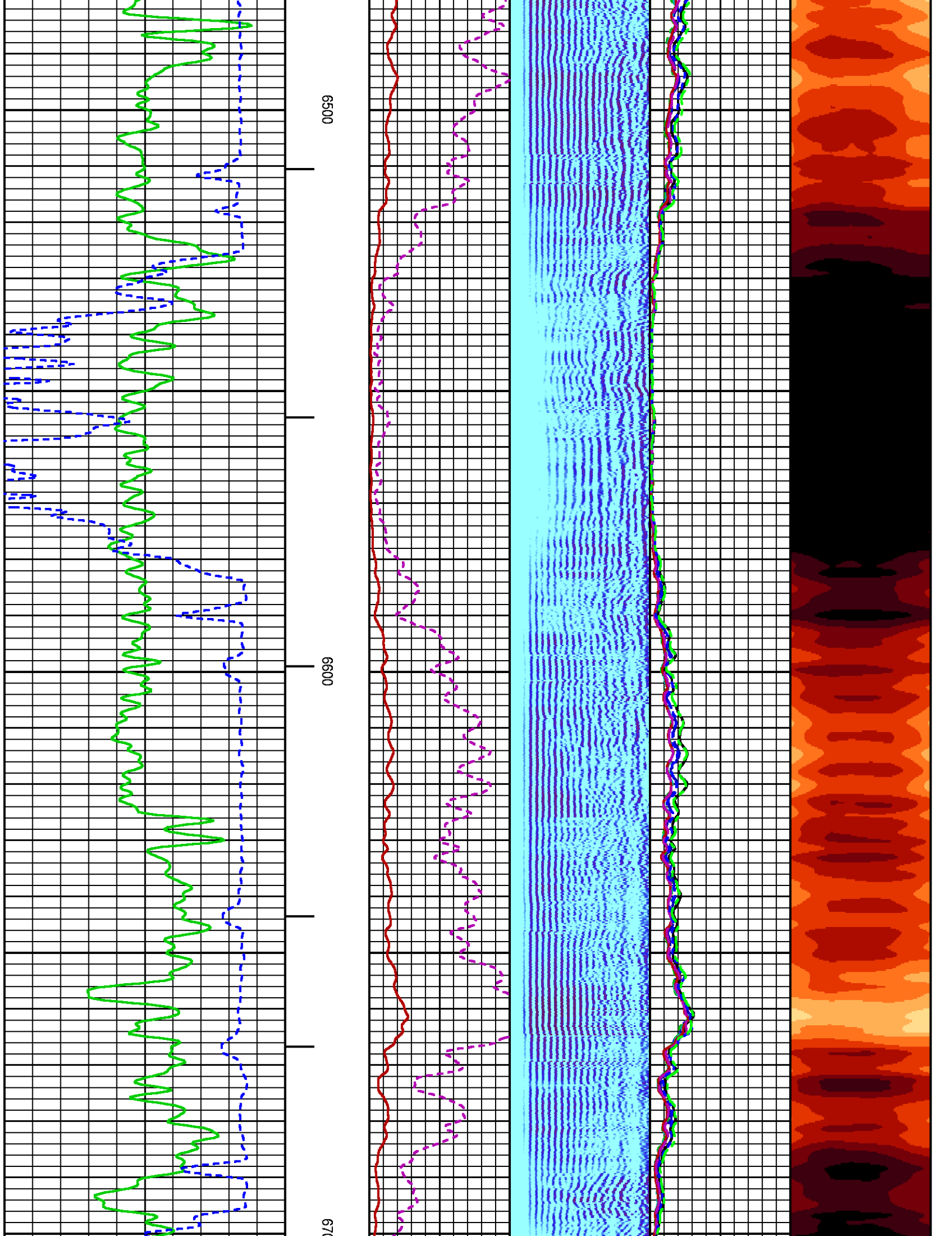


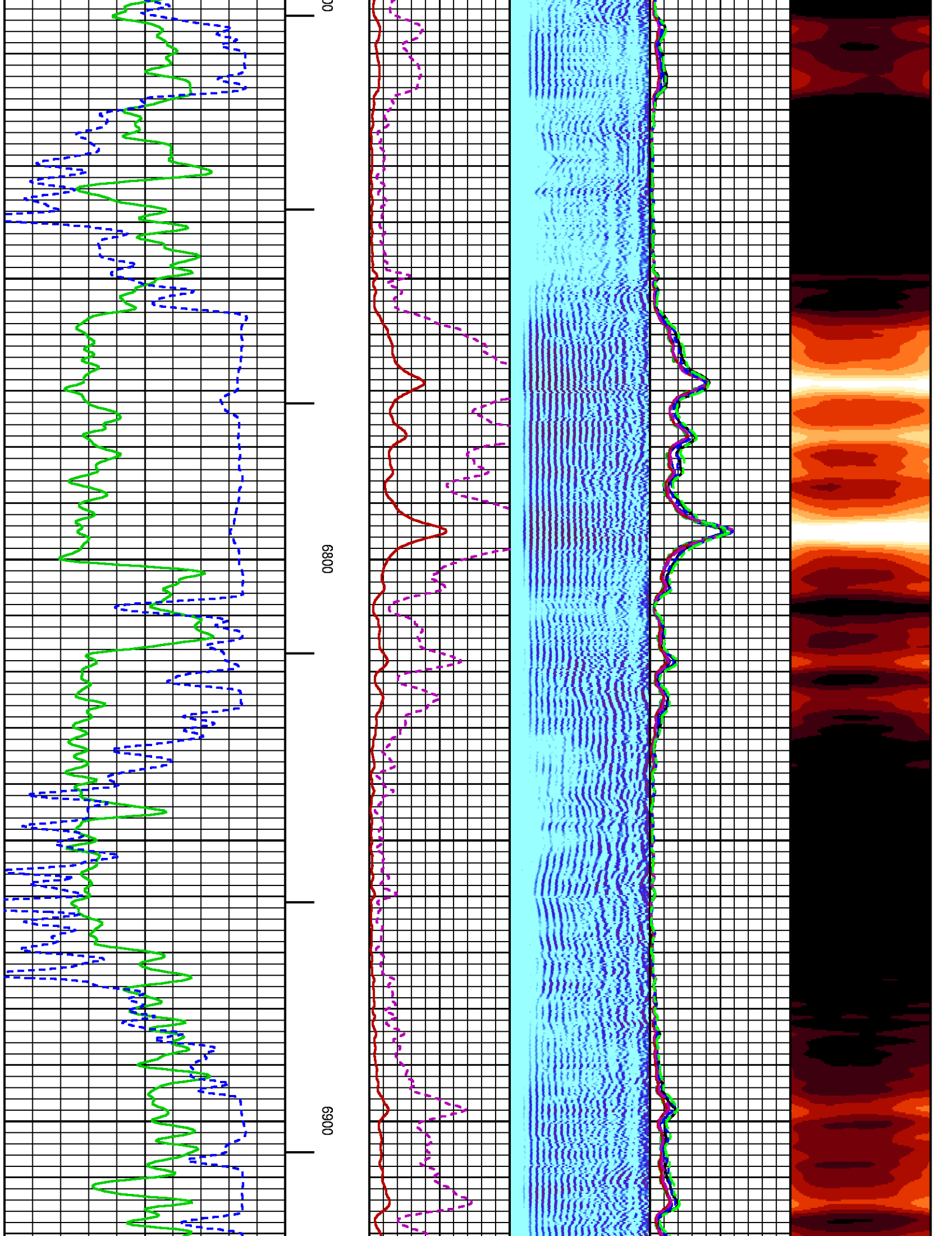


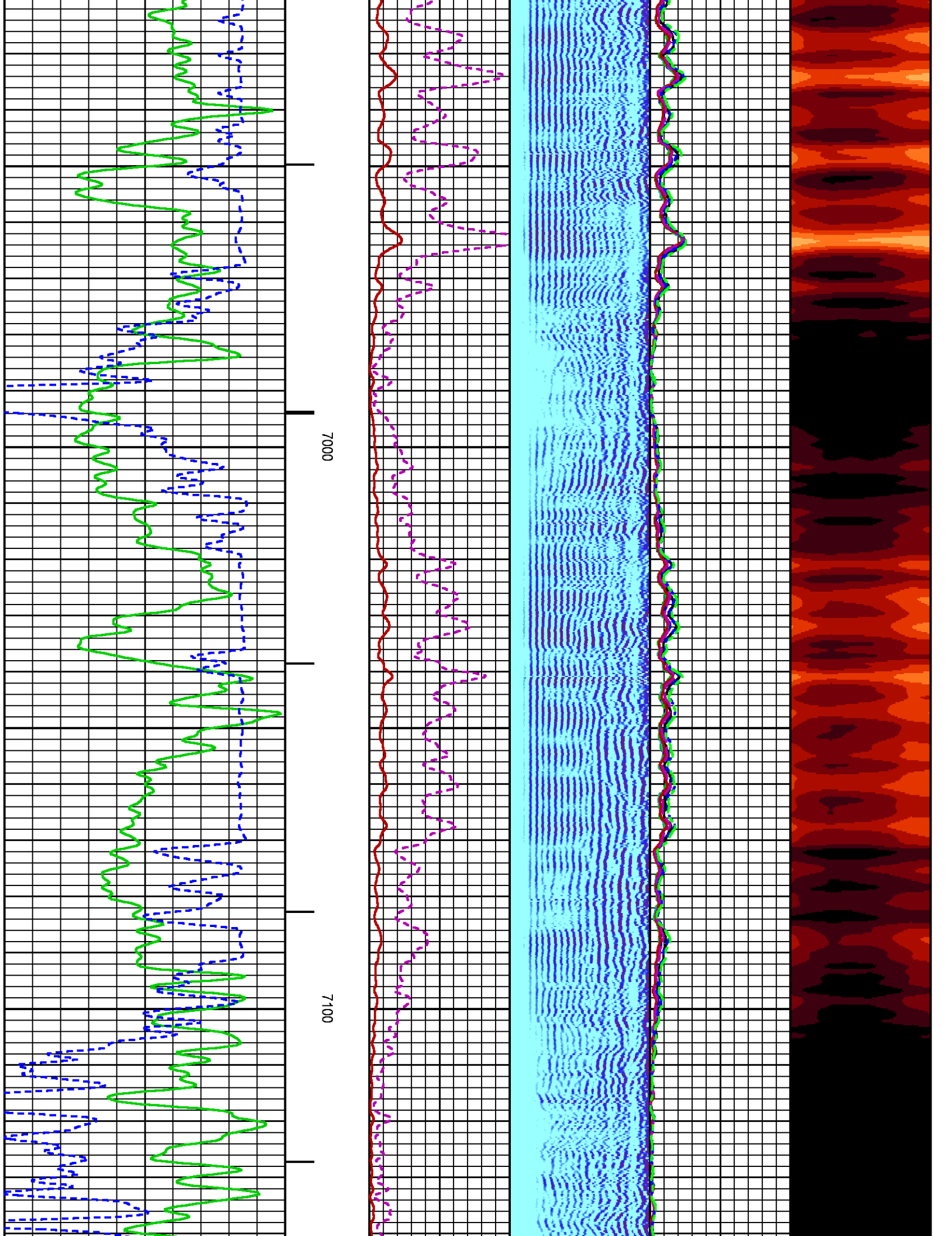


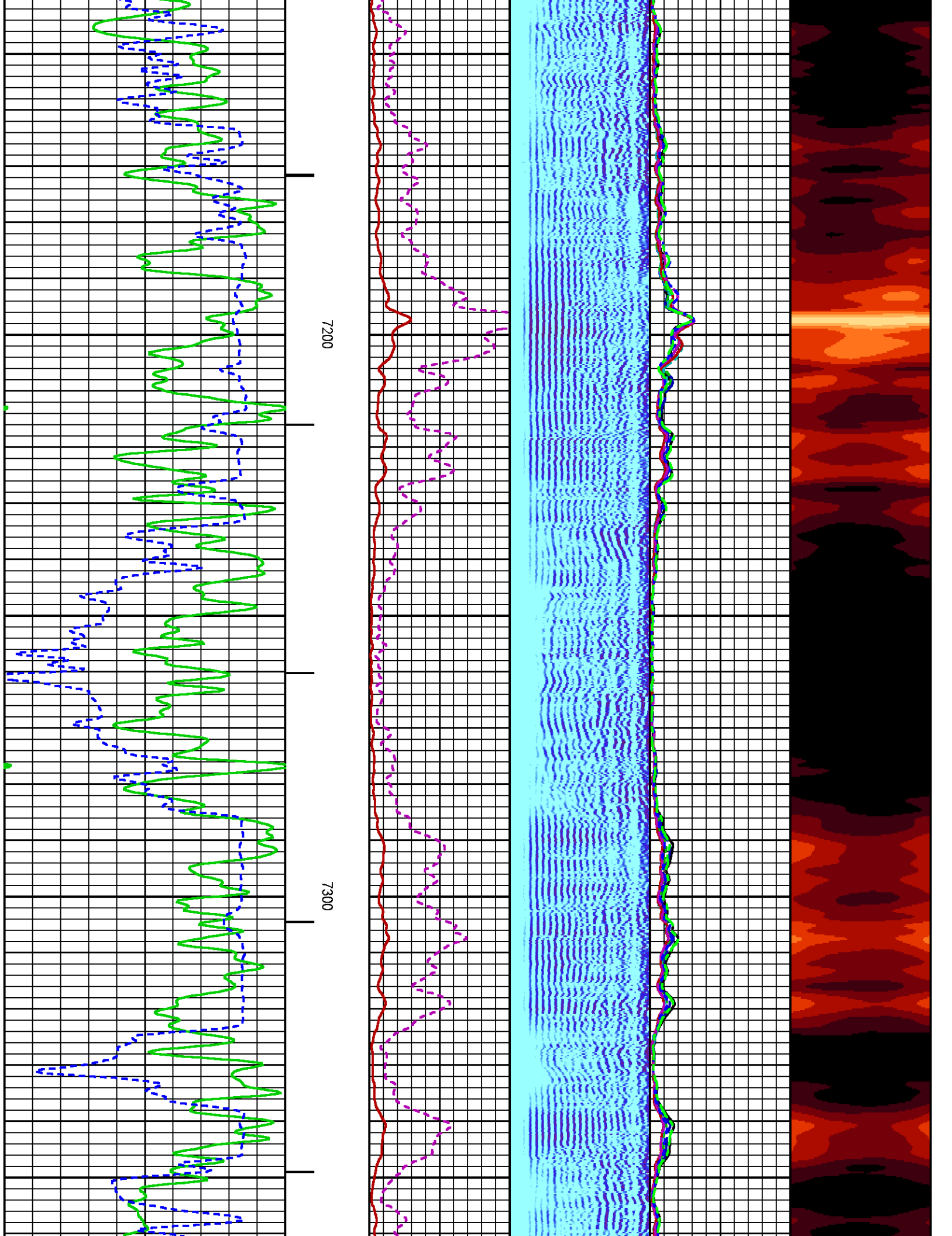


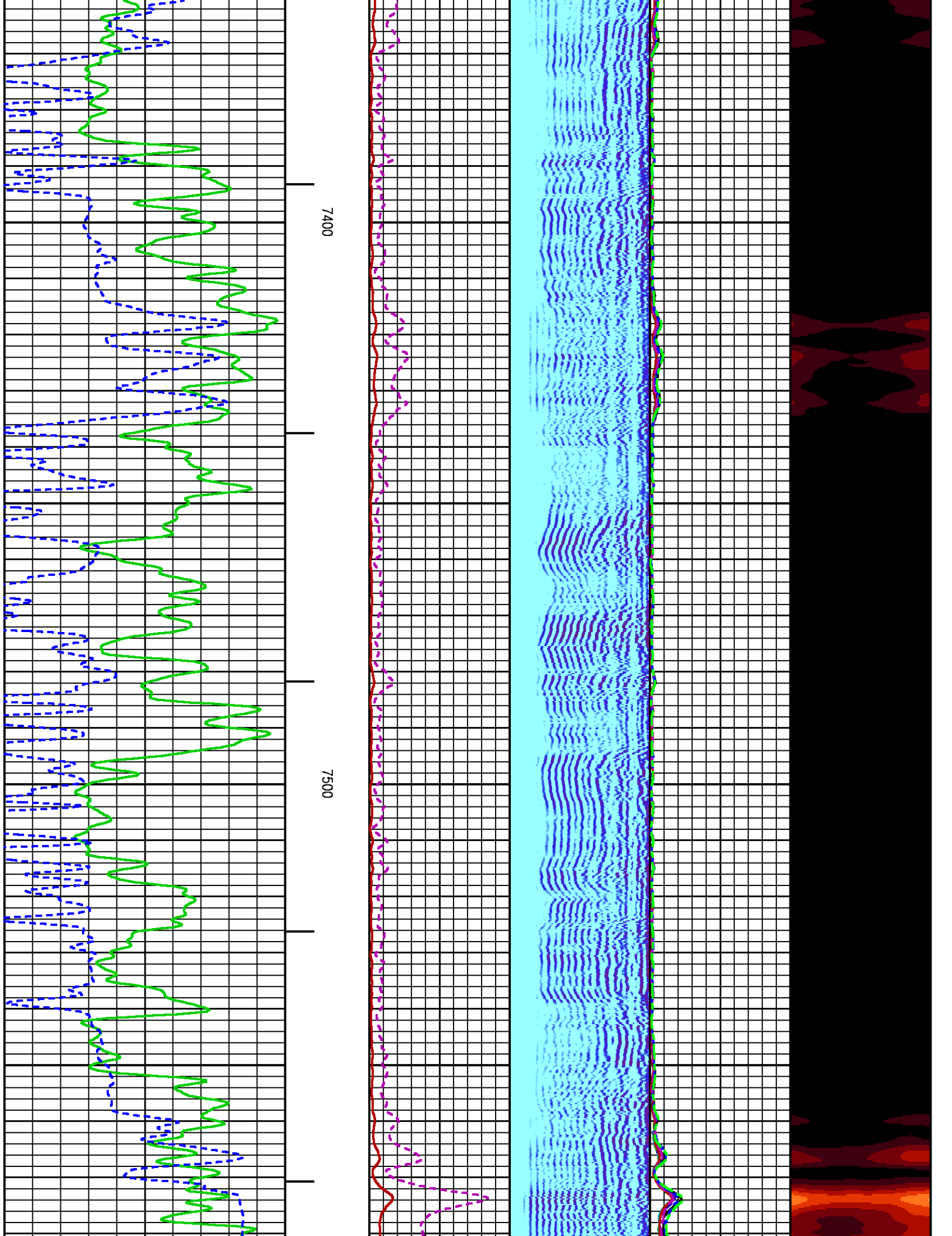


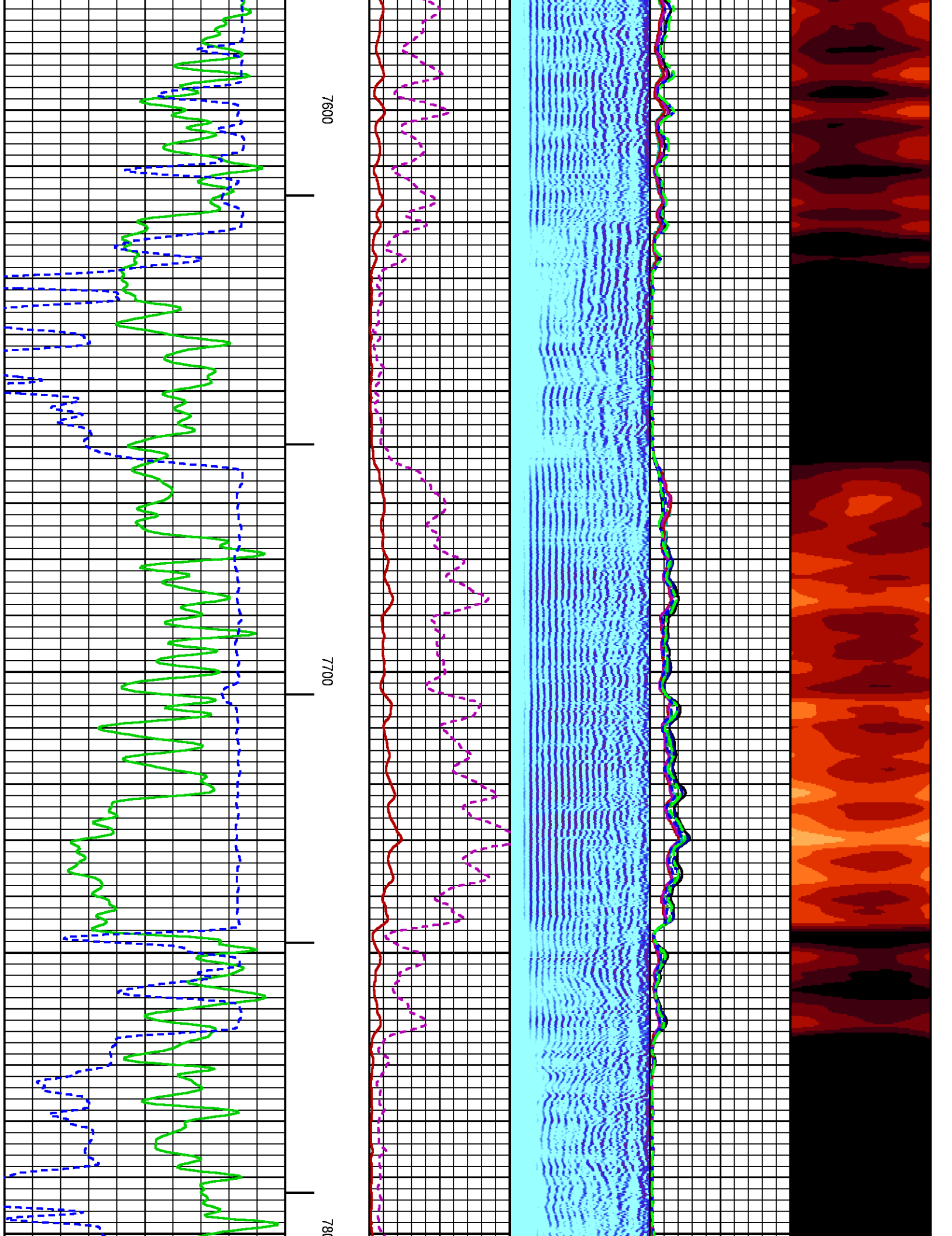


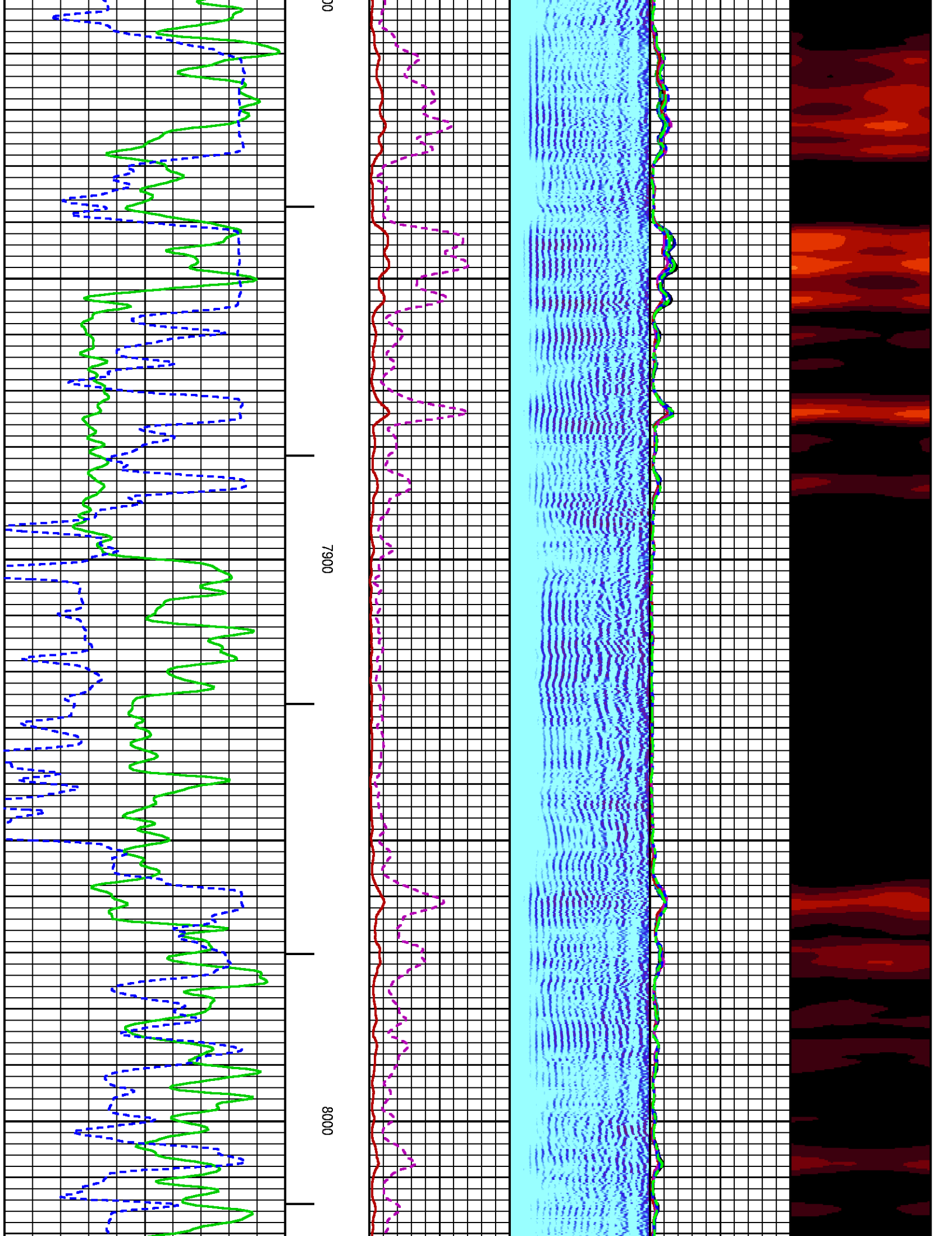


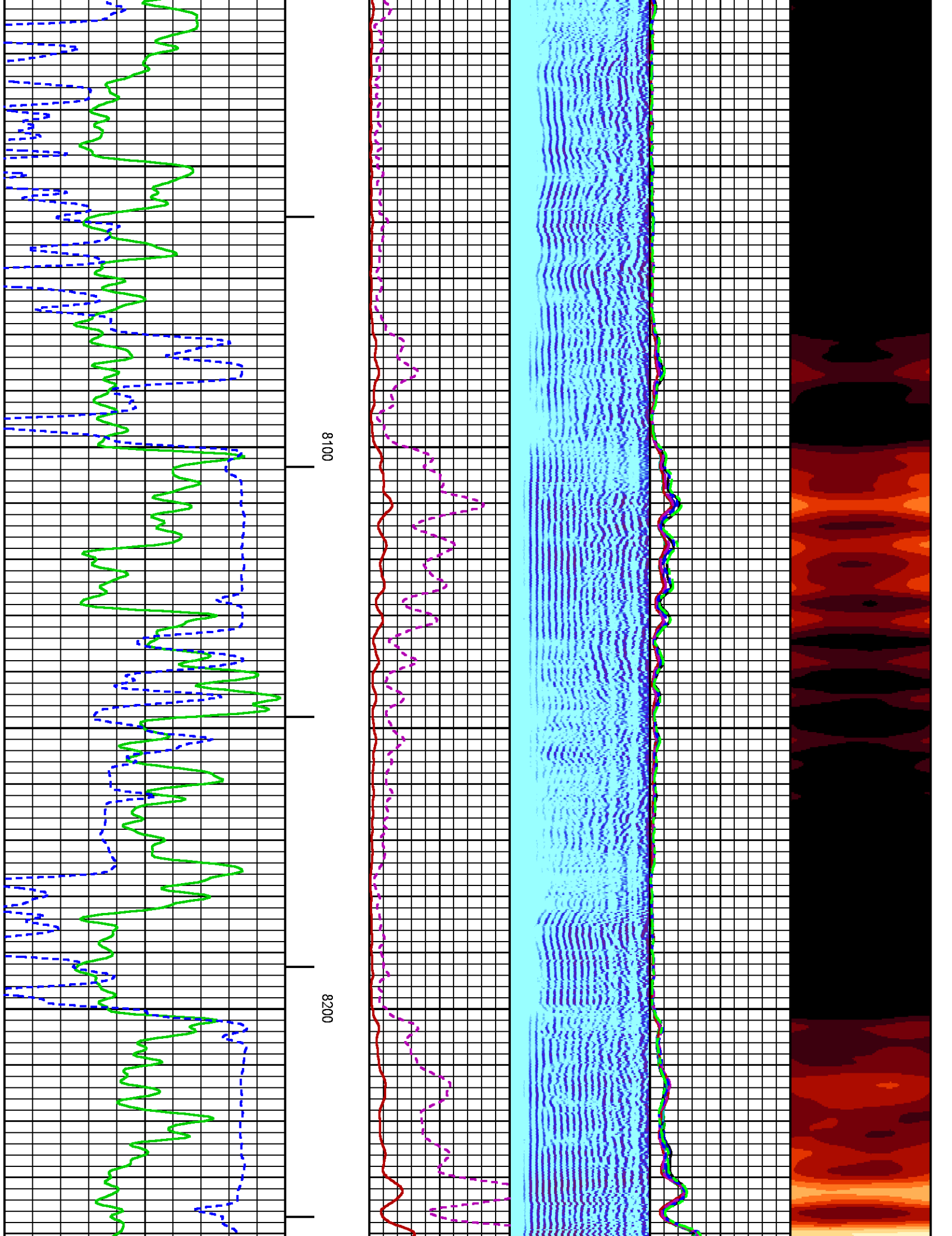


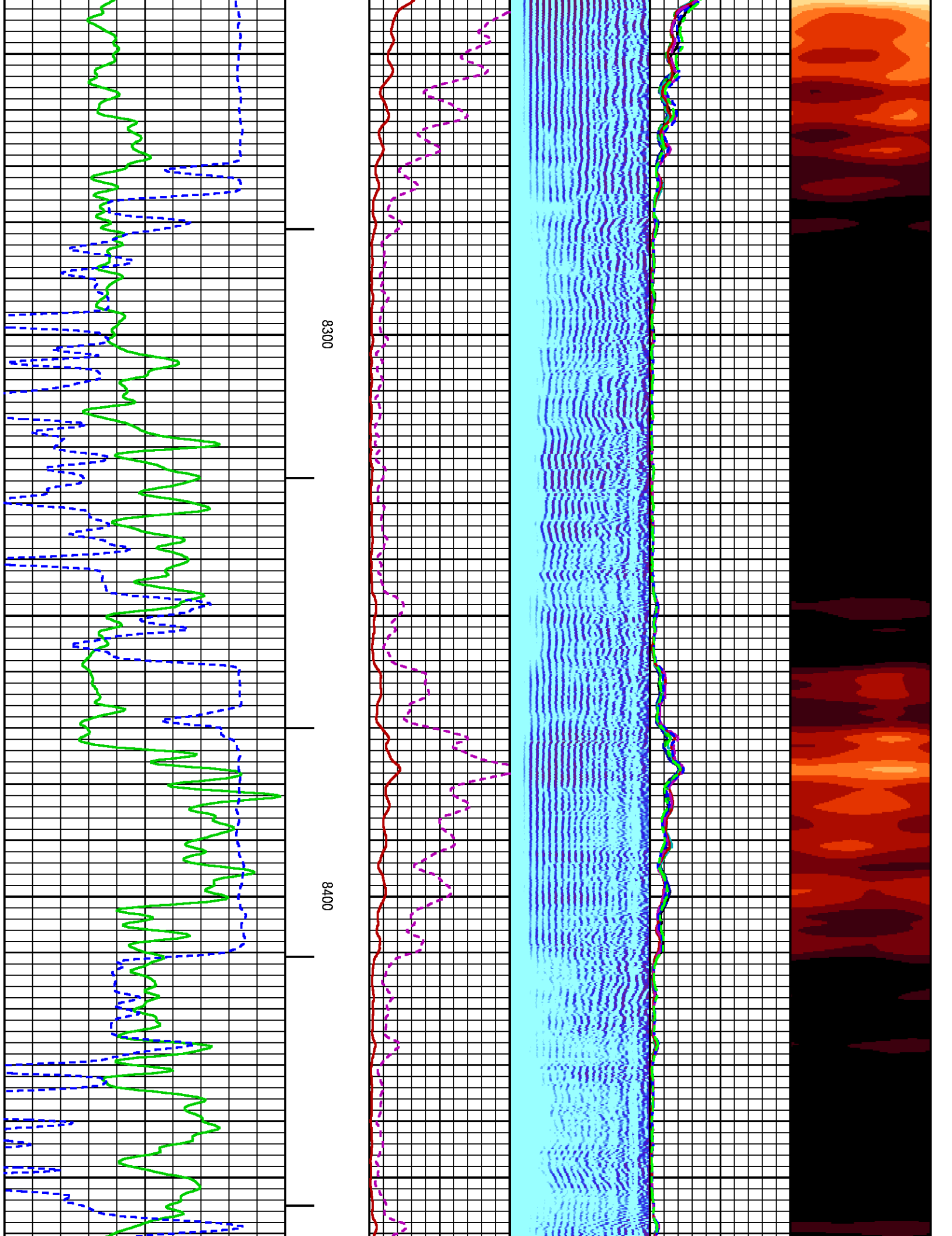


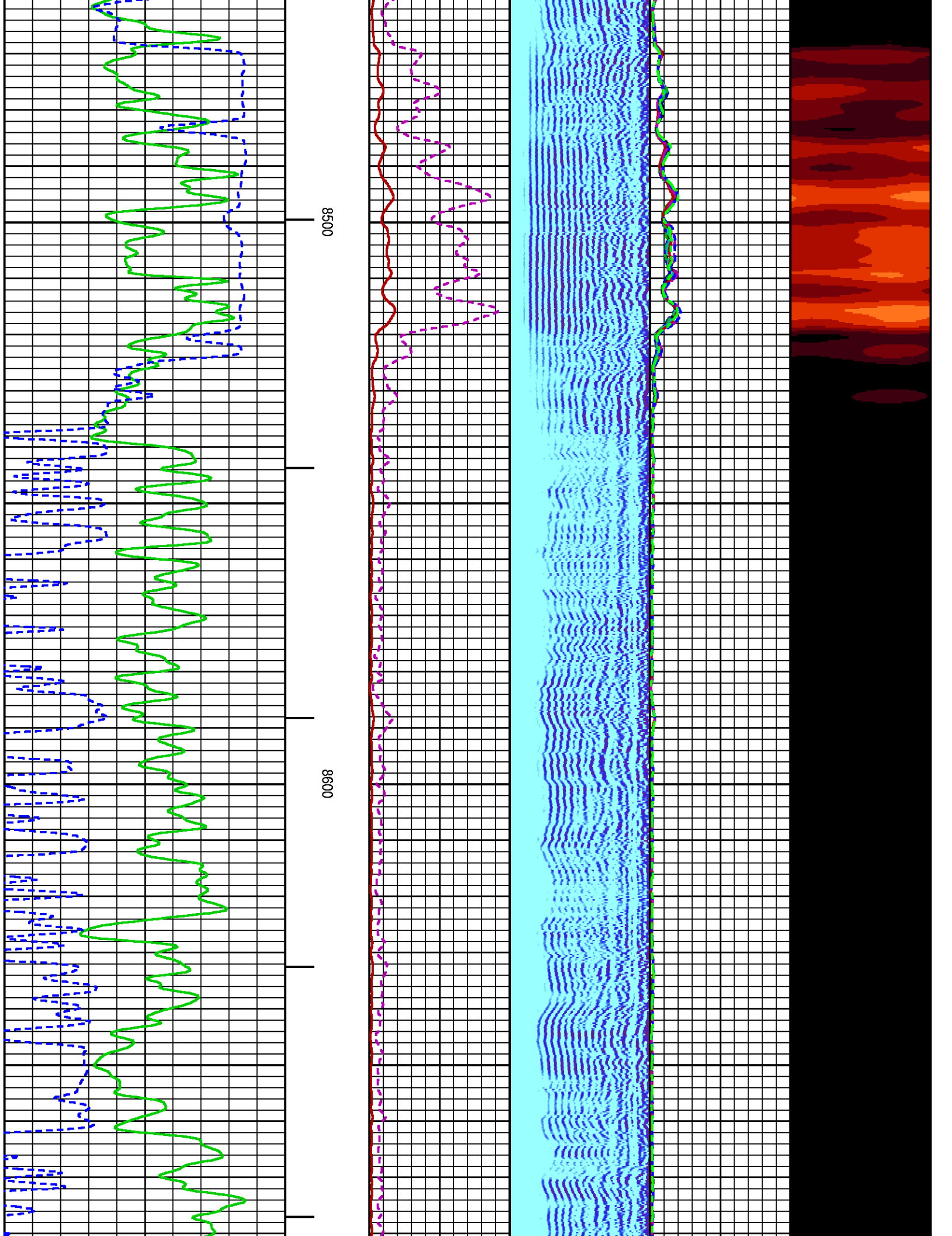


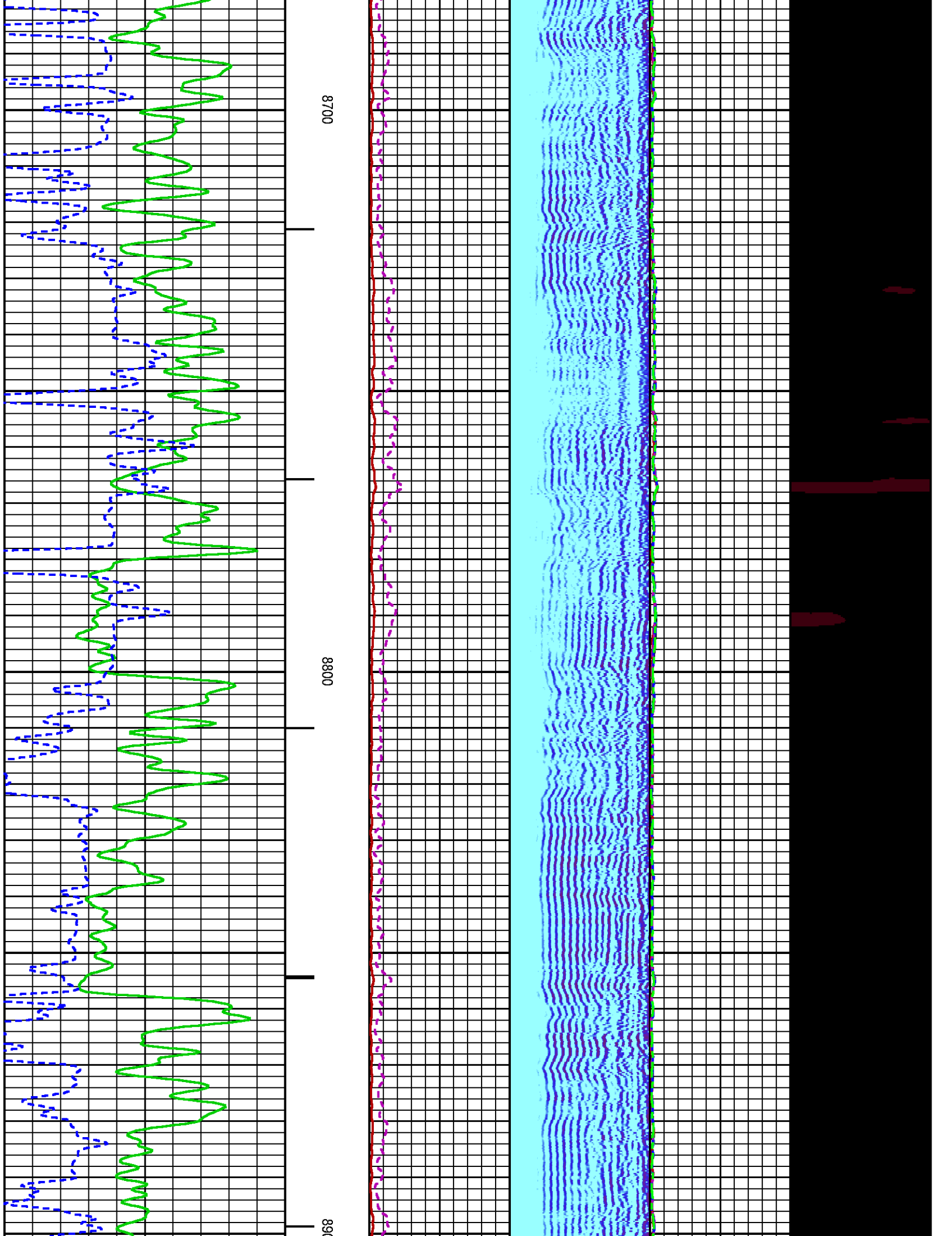


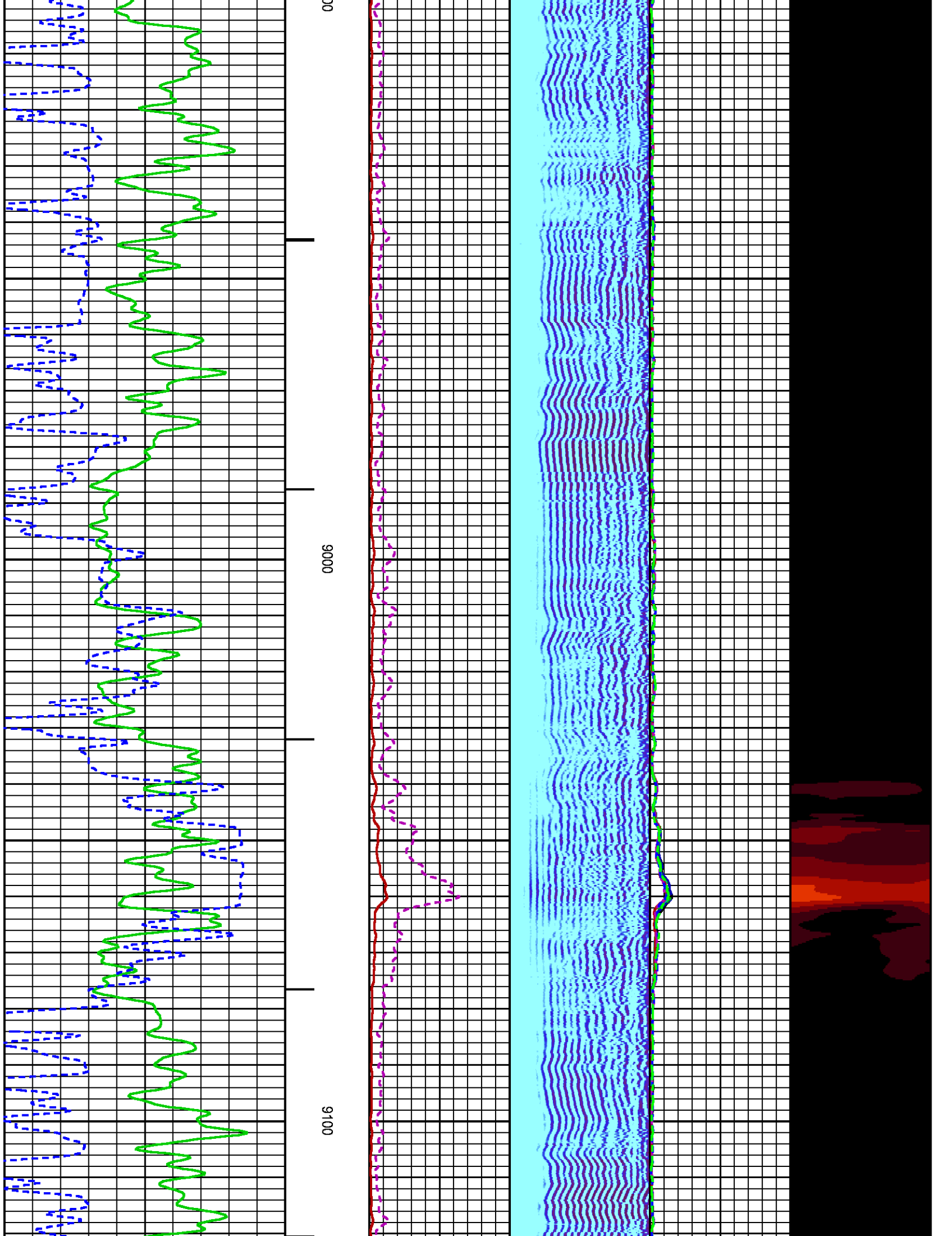


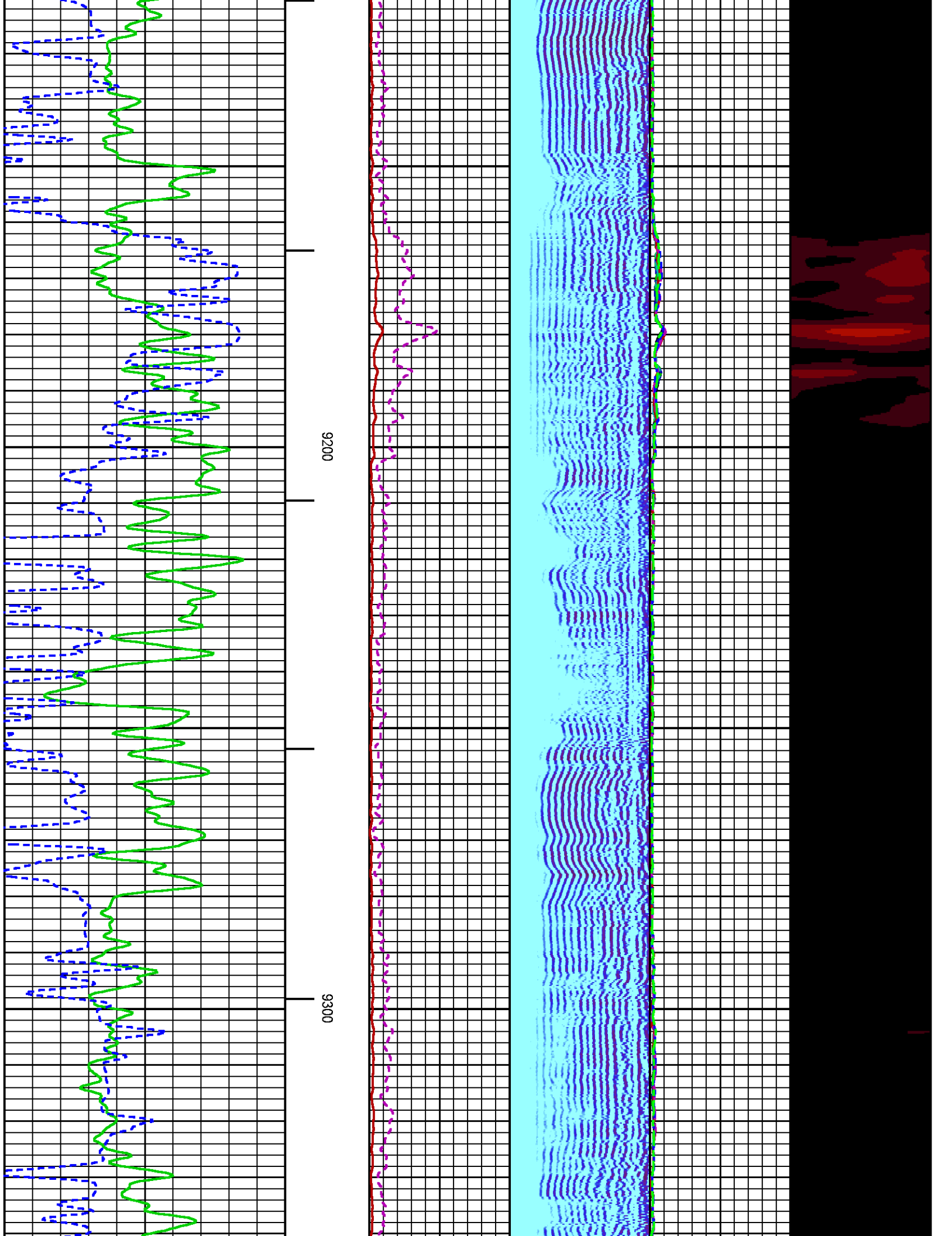


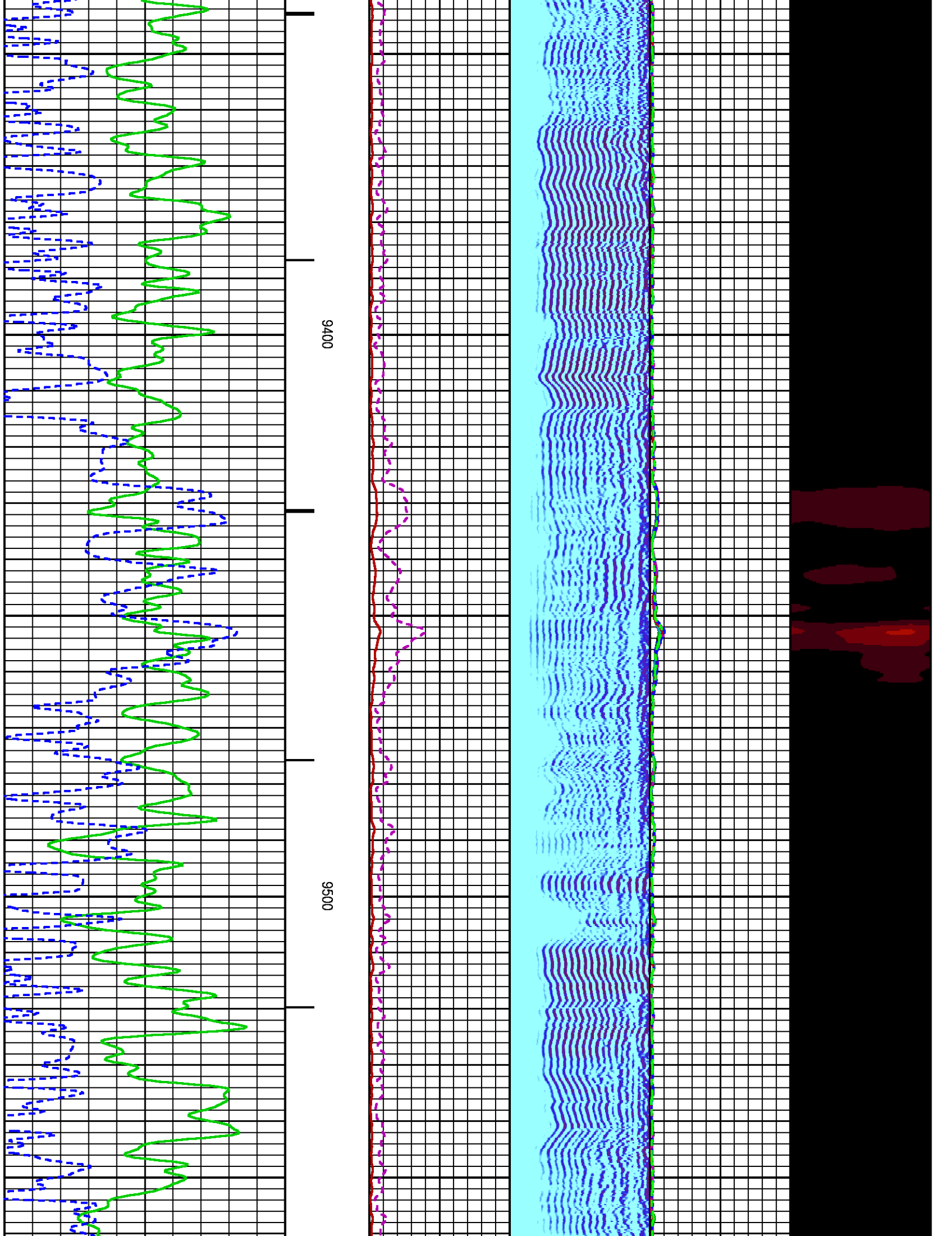


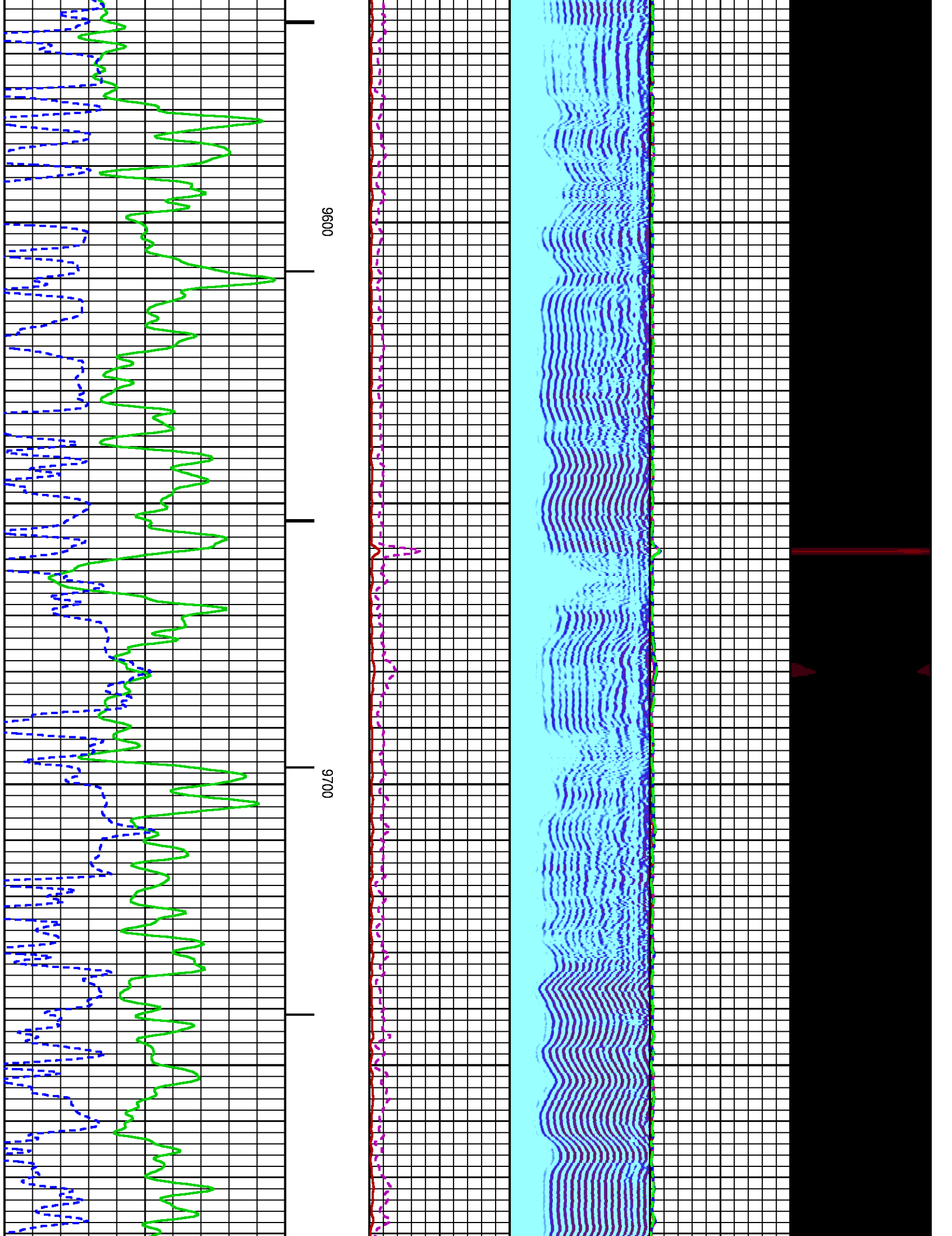


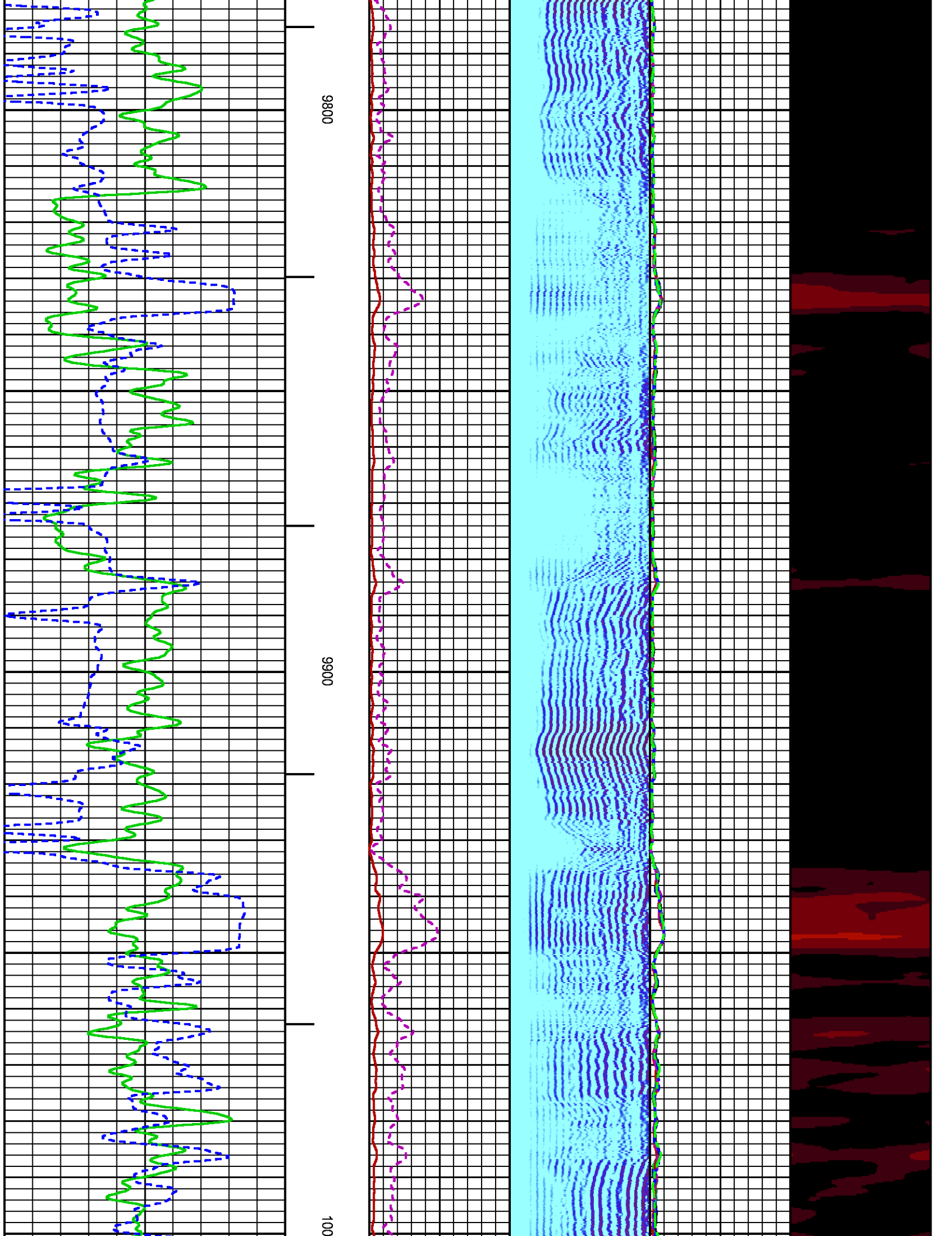


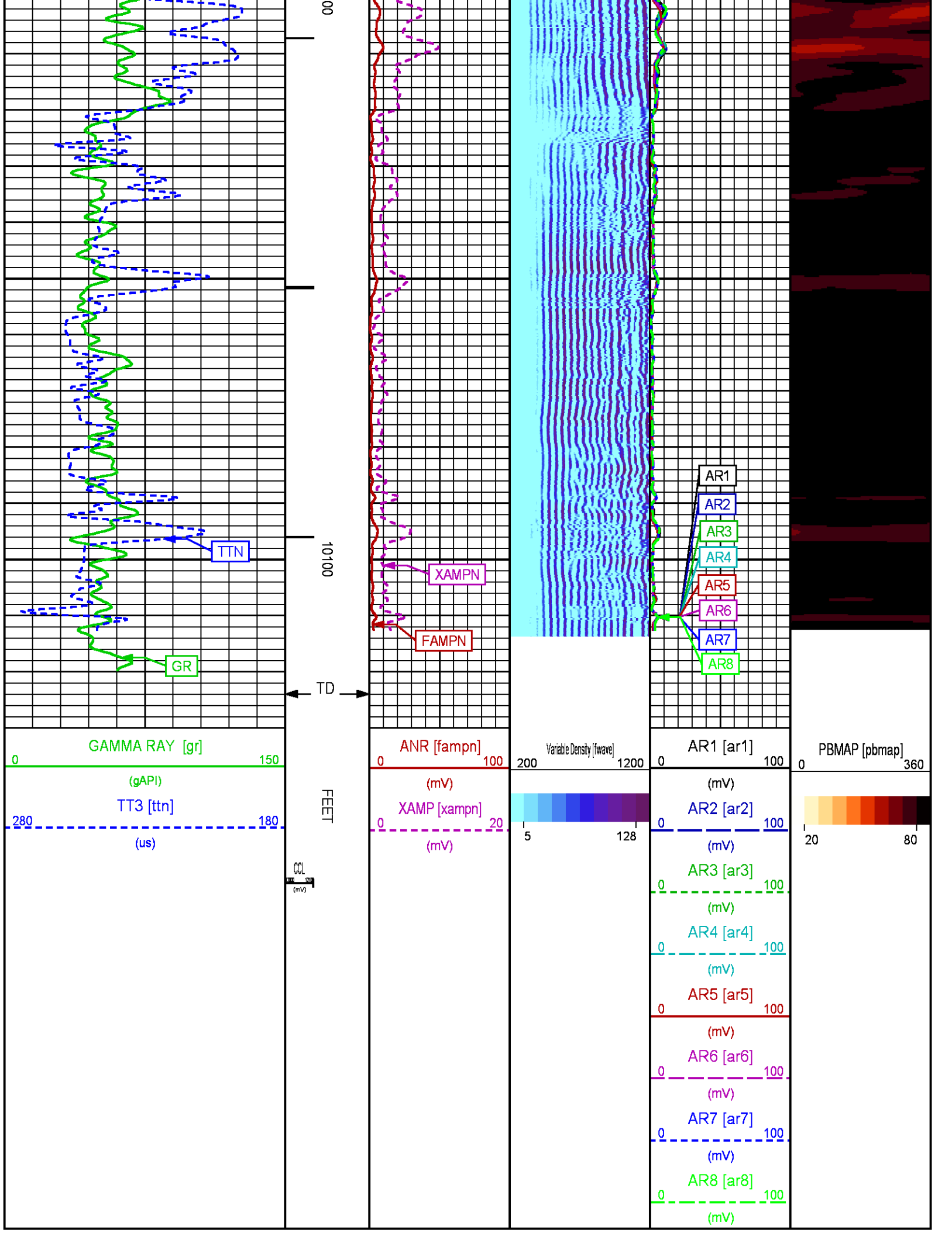












REPEAT LOG 0 PSI

ECLIPS 6.2wu1 PC-ECLIPS General Release Rel 6.2w Update 1 Fri Apr 25 10:54:53 Central Daylight Time 2014

Updates: 31 Patches: 2

Plotted: Sun Feb 08 18:20:12 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: D:\dat1a\094746\012e01.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 9792.500 ft BOTTOM DEPTH: 10123.250 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*)	177	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-74	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Feb 8 10:19:17 2015	CASING COLLAR LOCATOR
F1:FAMPN	Feb 8 10:19:17 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Feb 8 10:19:17 2015	FAR WAVE FORM
F1:GR	Feb 8 10:19:17 2015	GAMMA RAY
F1:TTN	Feb 8 10:19:17 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Feb 8 10:19:17 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

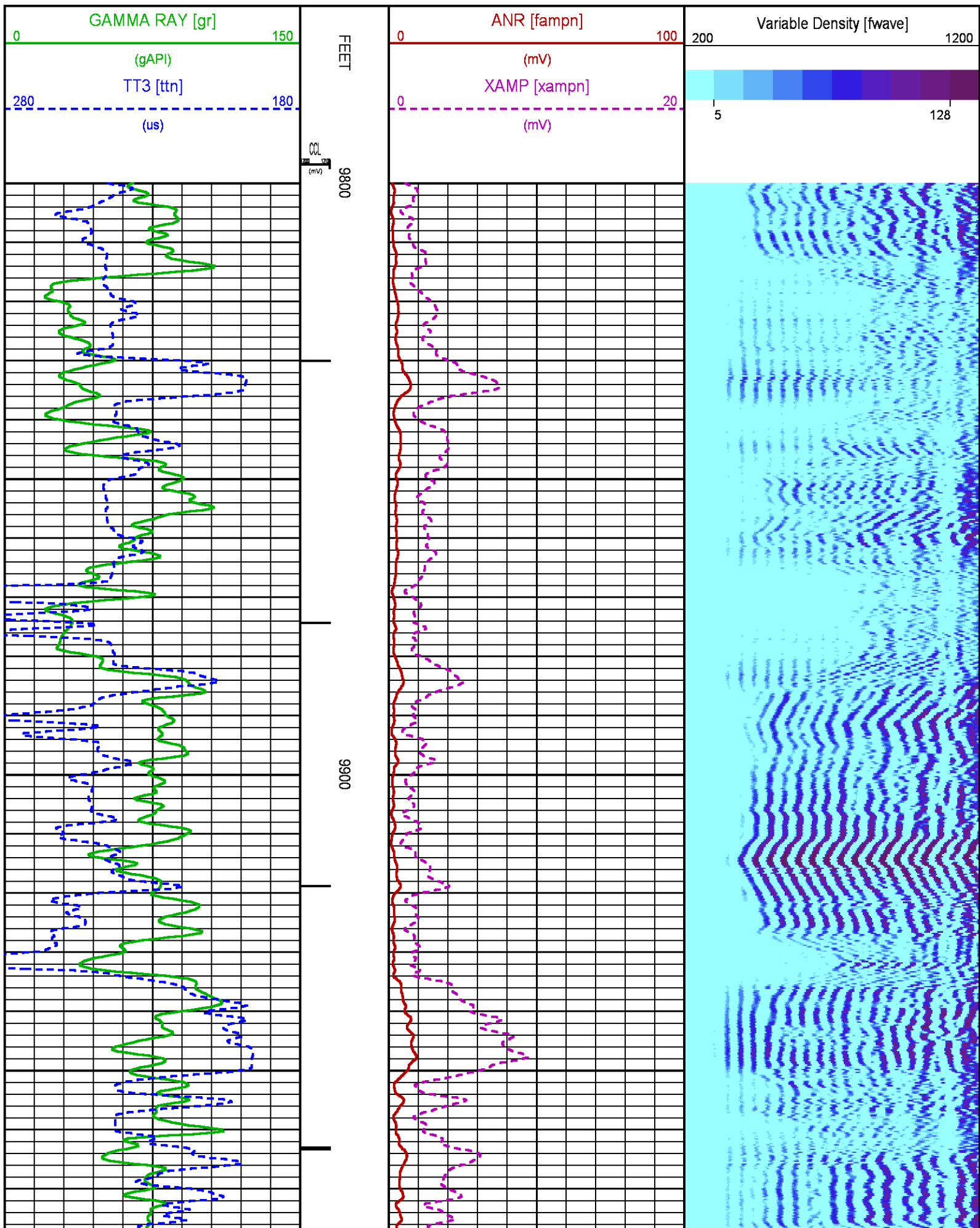
CURVE MEASURE POINT OFFSET

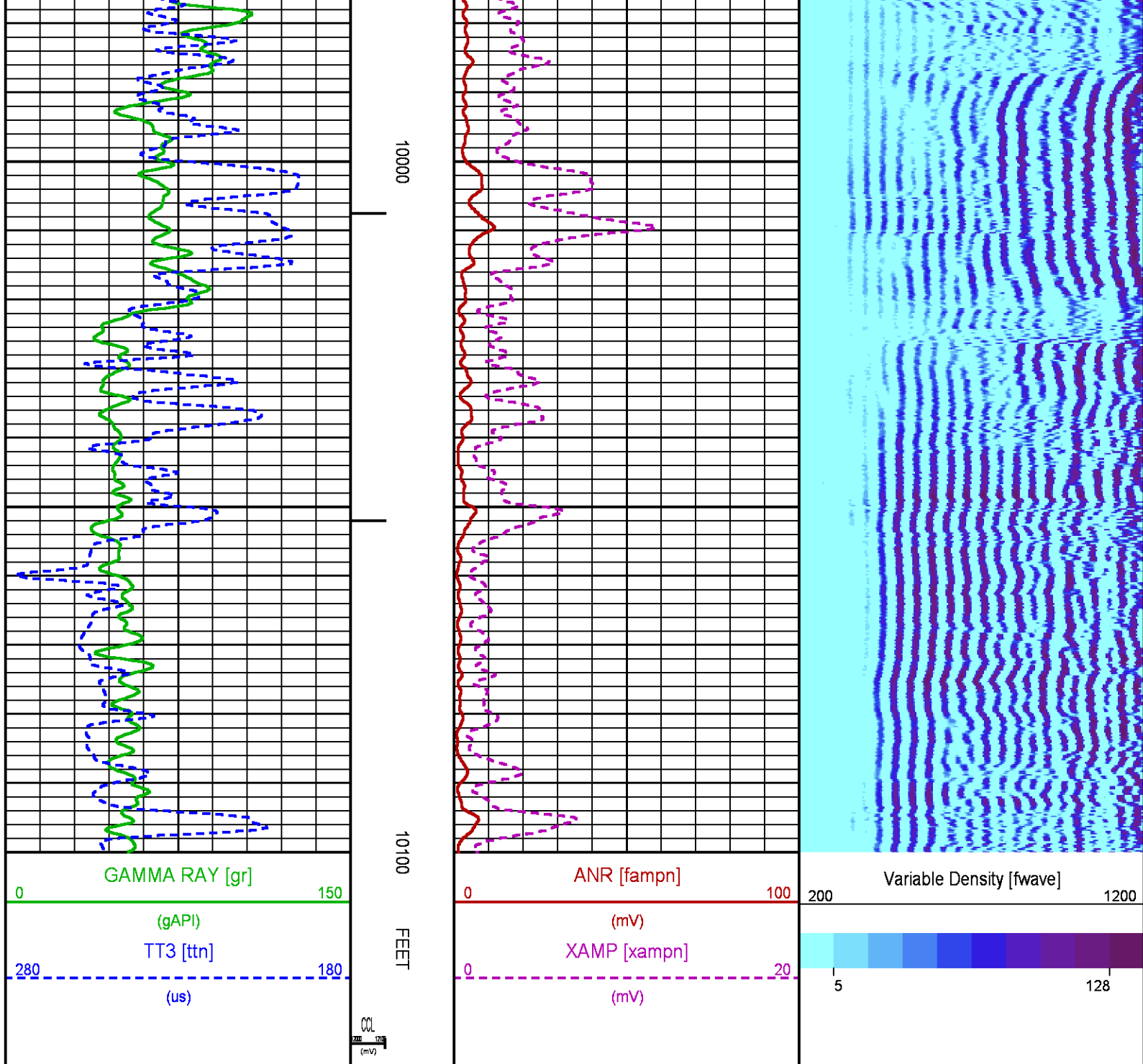
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

Presentation : BHIBX9FSY1:D:\dat1a\094746\341CBL_REPEAT.fvpdf [5"/100" Scale]
 Plot Interval : 9800 - 10100 Feet

Data File 1 : F1 : BHIBX9FSY1:D:\dat1a\094746\341CBL_REPEAT.xtf
 Created On : Feb 8 10:19:17 2015
 Company : WPX ENERGY
 Well : YOURERG RU 341.7

Well : FOULBERG RO 341-7
Field : RULISON
File Interval : 9787.75 - 10132.3 Feet
OCT : n012e





CALIBRATION / VERIFICATION SUMMARY

Source File: D:\dat1a\094746\n012e.tp1

RAL PRIMARY CALIBRATION SUMMARY

NOT IN DATABASE

RAL BEFORE LOG VERIFICATION SUMMARY

NOT IN DATABASE

GR PRIMARY CALIBRATION SUMMARY

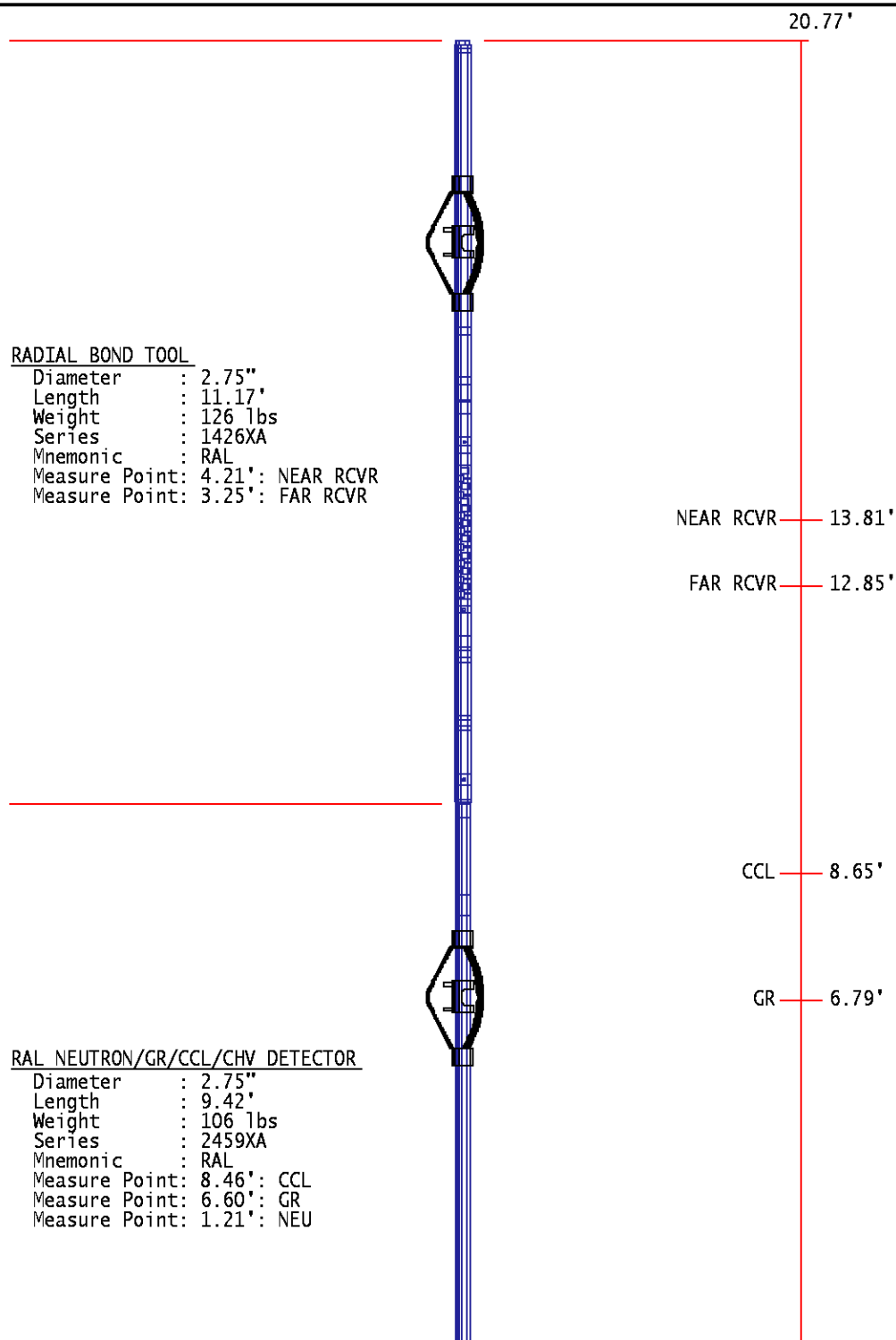
NOT IN DATABASE

GR PRIMARY VERIFICATION SUMMARY

NOT IN DATABASE

INSTRUMENT CONFIGURATION

Source File: D:\dat1a\094746\CBL-tdg




NEU 1.40'

BULL PLUG 2 3/4

0.00'

TOTAL LENGTH: 20.77'
TOTAL WEIGHT: 248 lbs
MAX DIAMETER: 0'4.00"

	COMPANY <u>WPX ENERGY</u>		FILE NO: <u>CH094746</u>
	WELL <u>YOUBERG RU 341-7</u>		API NO: <u>05045223440000</u>
	FIELD <u>RULISON</u>	COUNTY <u>GARFIELD</u> STATE <u>CO</u>	
LOCATION: SHL: 2445' FNL & 379' FEL BHL: 768' FNL & 347' FEL		ELEVATIONS: KB 7763 FT DF GL 7737 FT	7 7S 93W RU 42-7 PAD NABORS 574
SEC <u>7</u> TWP <u>7S</u> RGE <u>93W</u>		DATE <u>08-Feb-2015</u>	