



FILE NO: CH095176	COMPANY WELL FIELD COUNTY	WPX ENERGY MEAD RWF 531-23 RULISON GARFIELD	STATE CO
API NO: 05045200510000			

Ver. 3.87 23 6S 94W RWF 43-23 PAD NABORS 577	LOCATION: SHL: 2303' FSL & 226' FEL BHL: 486' FNL & 2016' FEL SEC 23 TWP 6S RGE 94W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB ELEVATION 26 FT 5699 FT ABOVE P.D.	ELEVATIONS: KB 5625 FT DF GL 5599 FT
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DATE		04-Mar-2015			
RUN	TRIP	1	1		
SERVICE ORDER	US095176				
DEPTH DRILLER	9210 FT				
DEPTH LOGGER	9183 FT				
BOTTOM LOGGED INTERVAL	9173 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	57 FT				
LOGGED CEMENT TOP	NA				
WELLHEAD PRESSURE	0 PSI				
MAXIMUM HOLE DEVIATION	NA				
NOMINAL LOGGING SPEED	65 F/MIN				
MAX. RECORDED TEMP.	241 DEGF				
REFERENCE LOG	NA				
REFERENCE LOG DATE	NA				
EQUIP. NO.	LOCATION	HL-6670	GRAND JCT.		
RECORDED BY	NEWELL				
WITNESSED BY	TED VONFELDT				

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	1211 FT
8.75 IN	1211 FT	9213 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			26 FT	1211 FT
4.5 IN	11.6 LB/F	I-80	26 FT	9213 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 0 feet.

Logged with zero PSI at wellhead.

BHT = 241 degF
SJ = 5753' - 5775'

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CCL	1122261	12151057	CEMENT BOND LOG

1	1	CBL	1426XA	10154957	CENTRALIZED
1	1	GR/CCL	2459XA	10218503	CENTRALIZED

PRIMARY PRESENTATION 0 PSI

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

Updates: 1 Patches: 4

Plotted: Thu Mar 5 08:24:04 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH095176/n012e02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 27.750 ft BOTTOM DEPTH: 9193.229 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	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*)	-67	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	Mar 4 10:30:11 2015	CASING COLLAR LOCATOR
F1:FAMPN	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Mar 4 10:30:11 2015	FAR WAVE FORM
F1:GR	Mar 4 10:30:11 2015	GAMMA RAY
F1:TTN	Mar 4 10:30:11 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

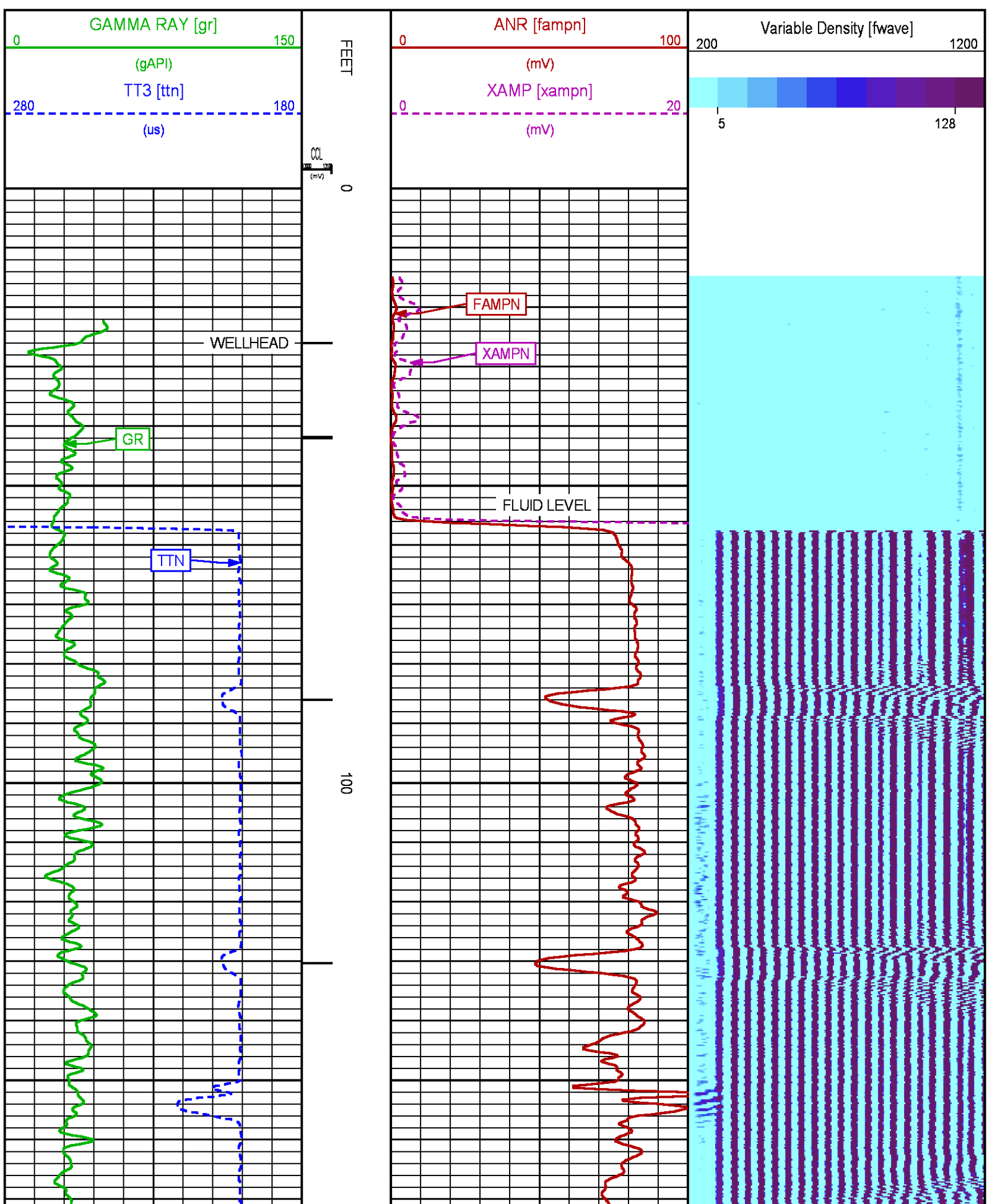
CURVE MEASURE POINT OFFSET

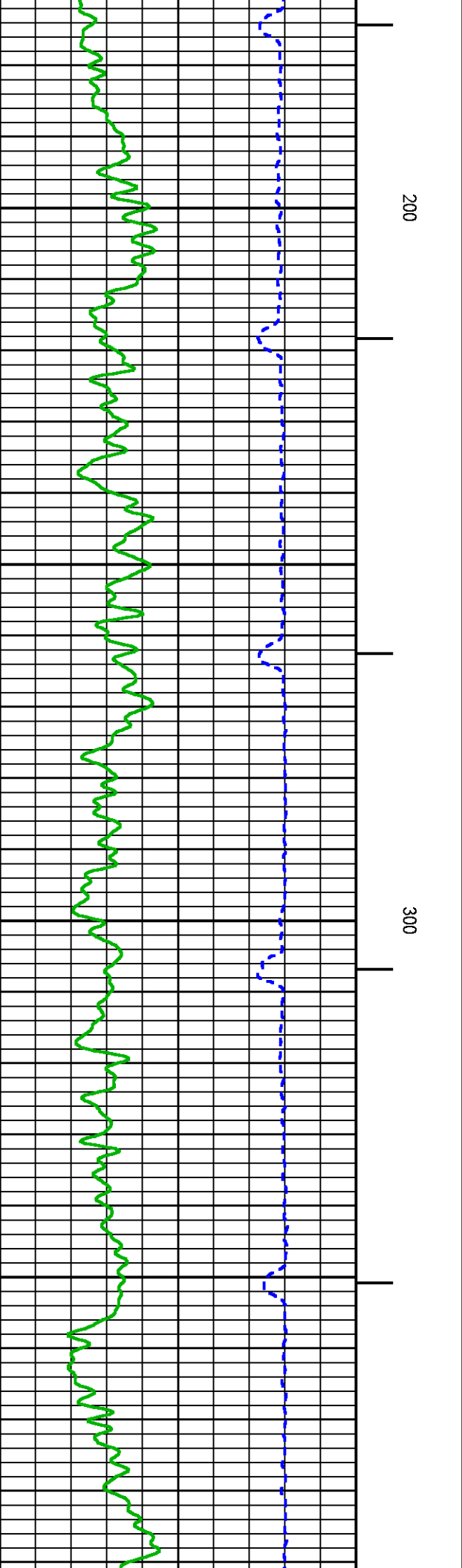
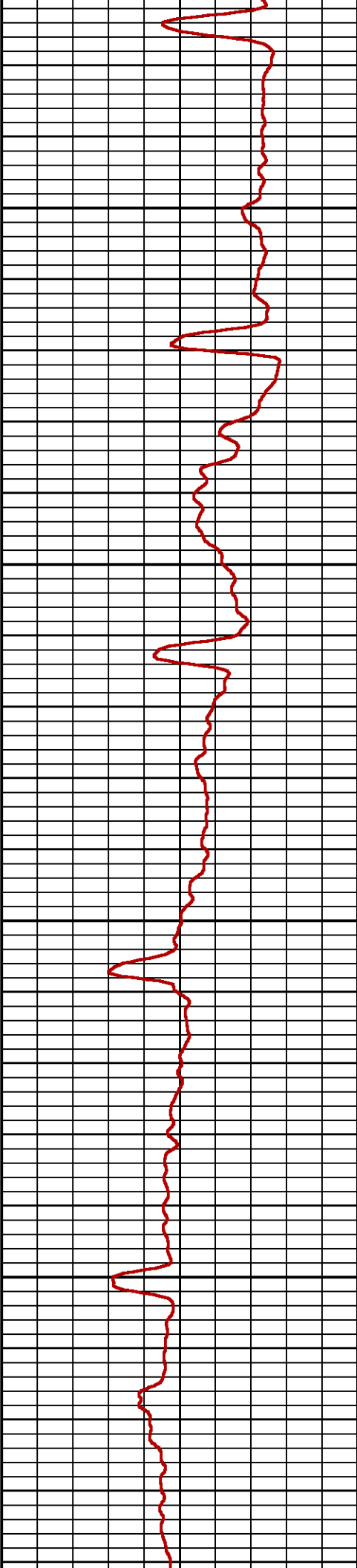
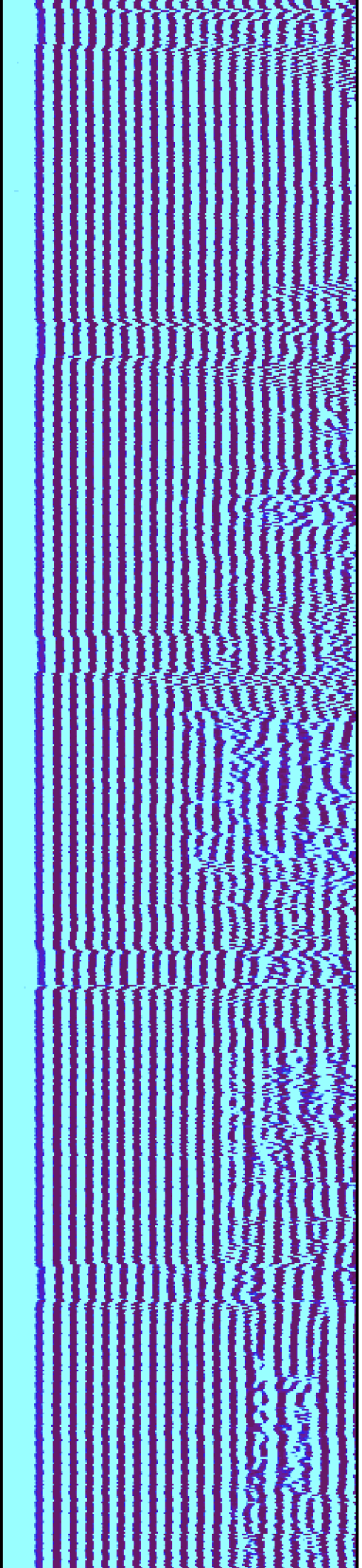
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

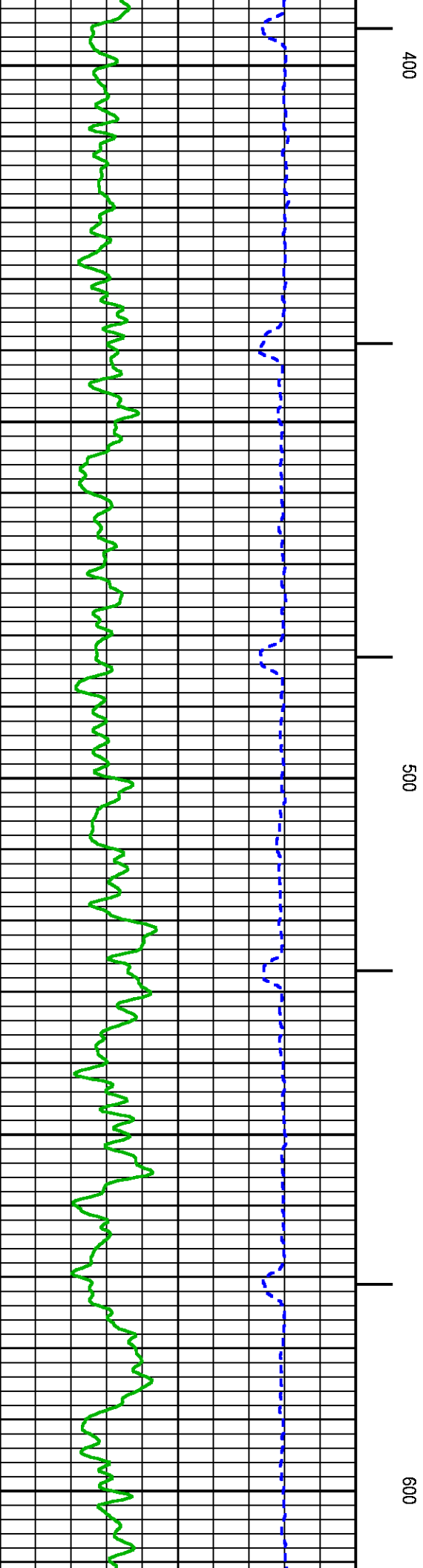
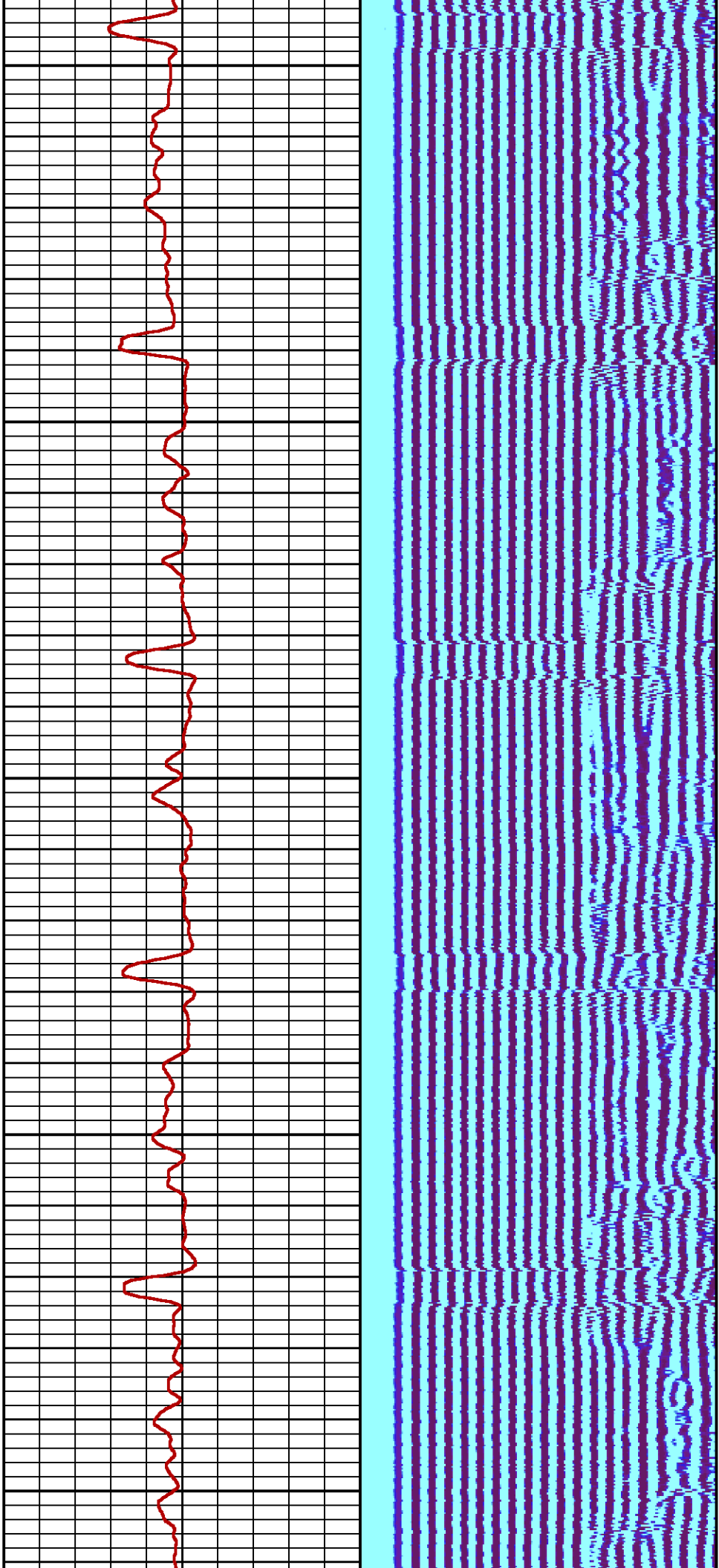
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 Plot Interval : 0 - 9188 Feet

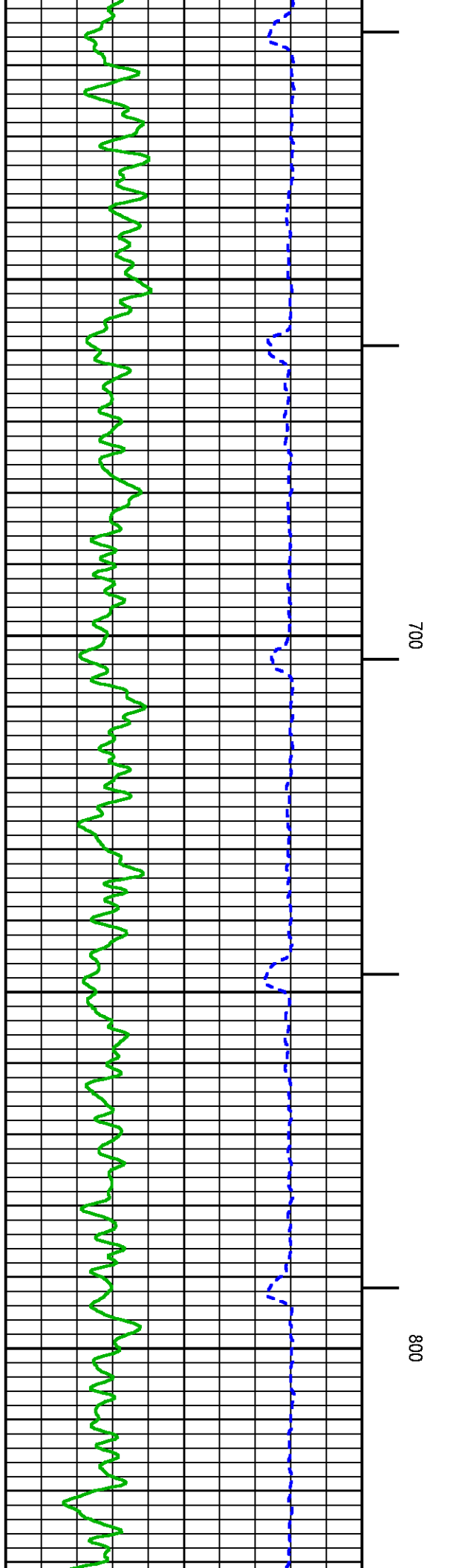
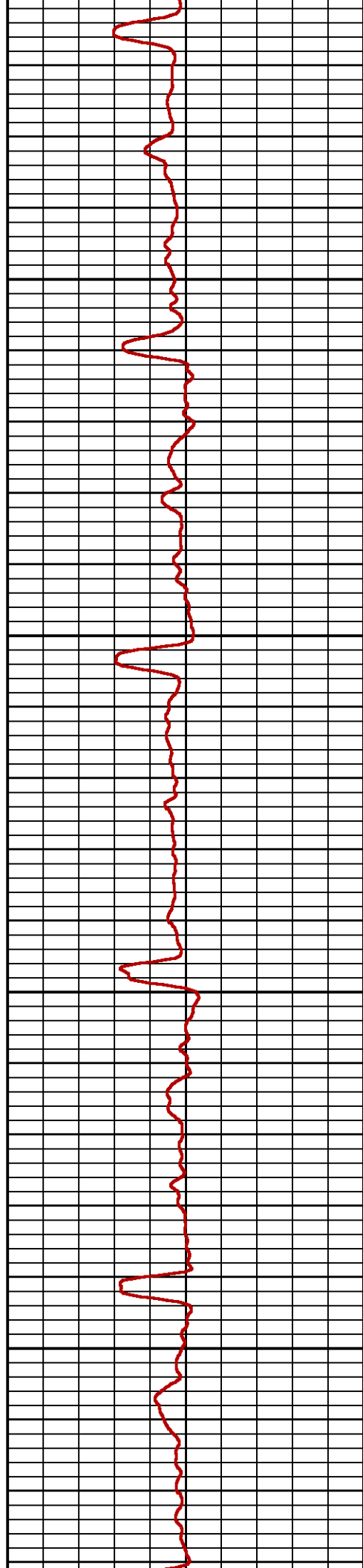
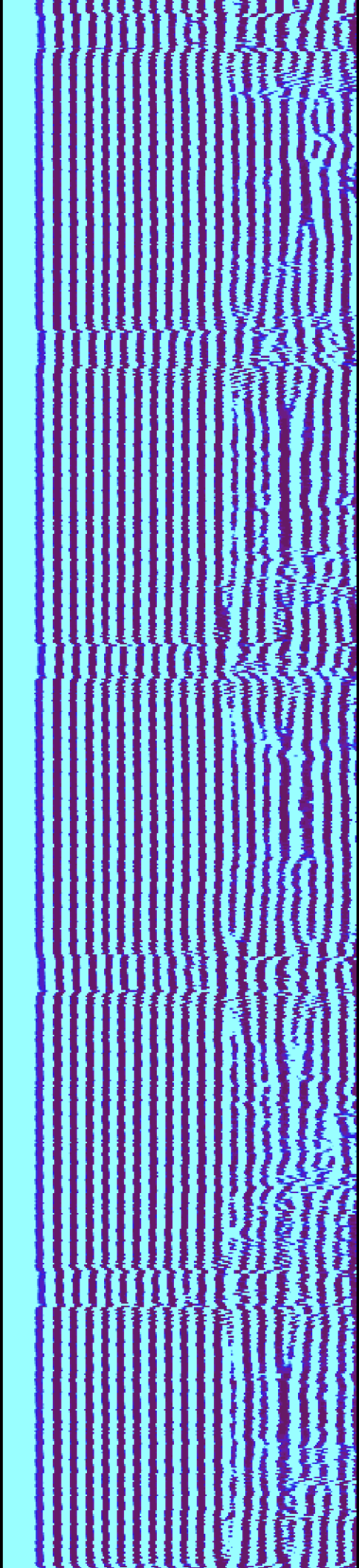
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 Created On : Mar 4 10:30:11 2015

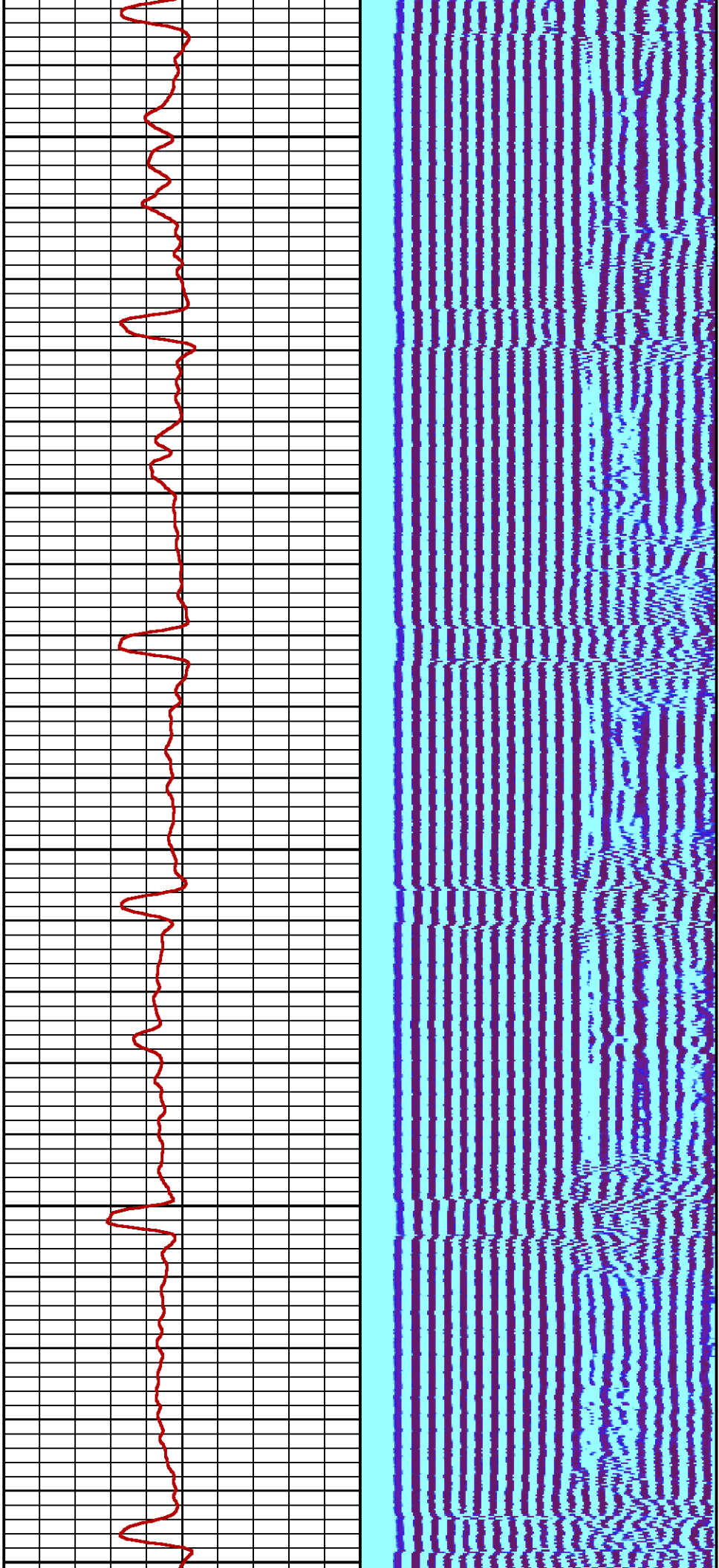
Created On : Mar 4 10:30:11 2015
Company : WPX ENERGY
Well : MEAD RWF 531-23
Field : RULISON
File Interval : 13.75 - 9189.5 Feet
OCT : n012e





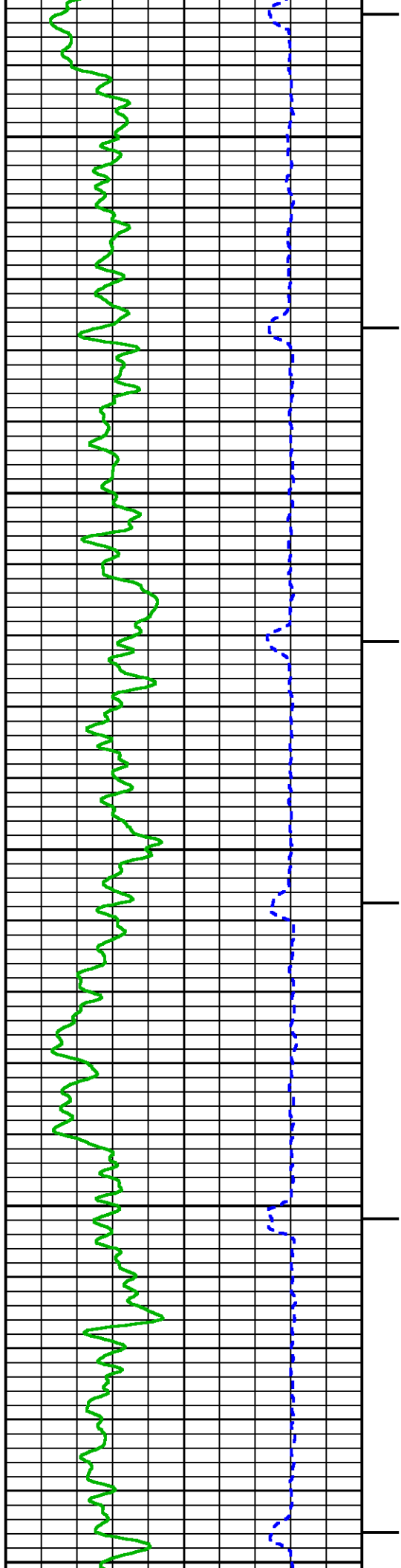


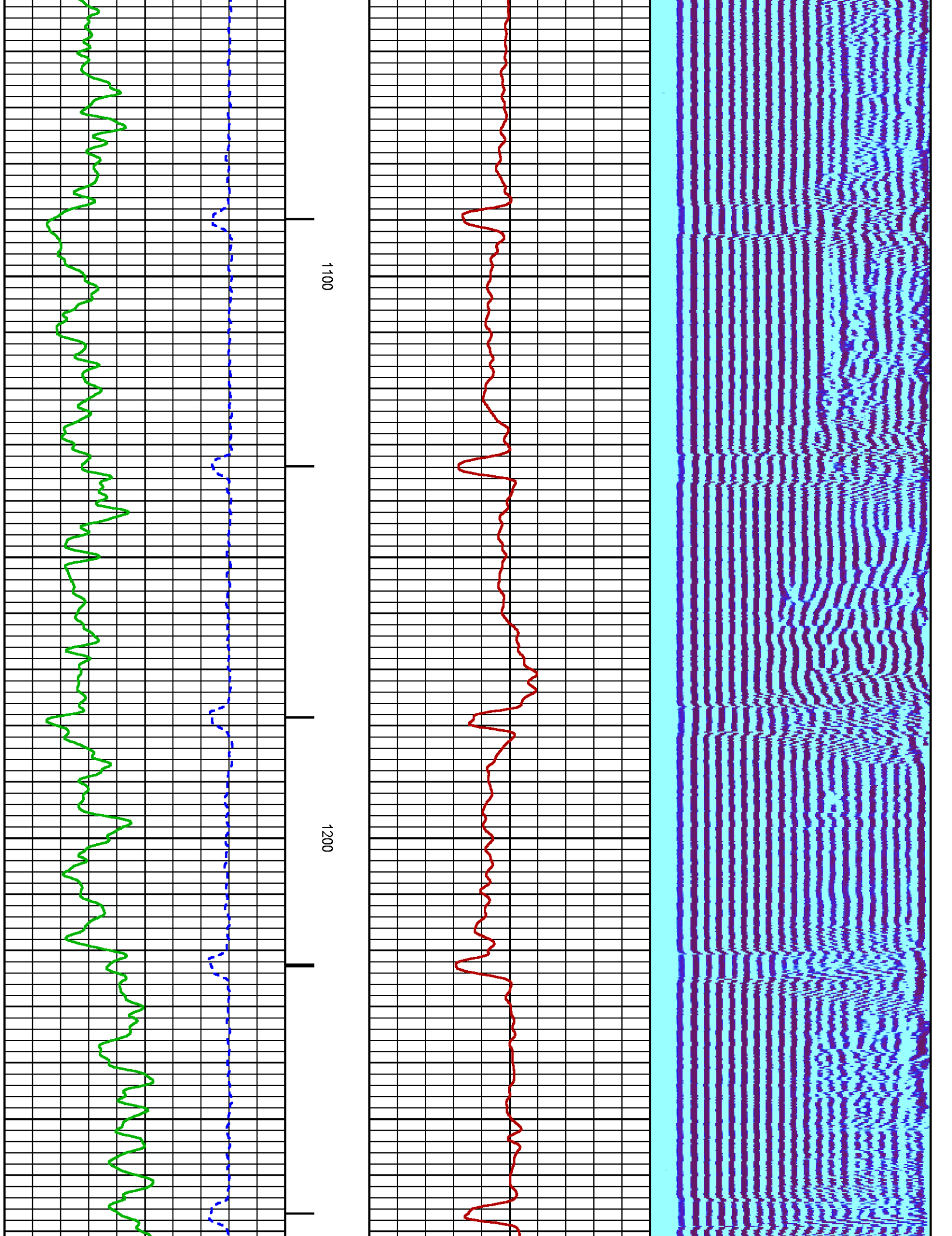


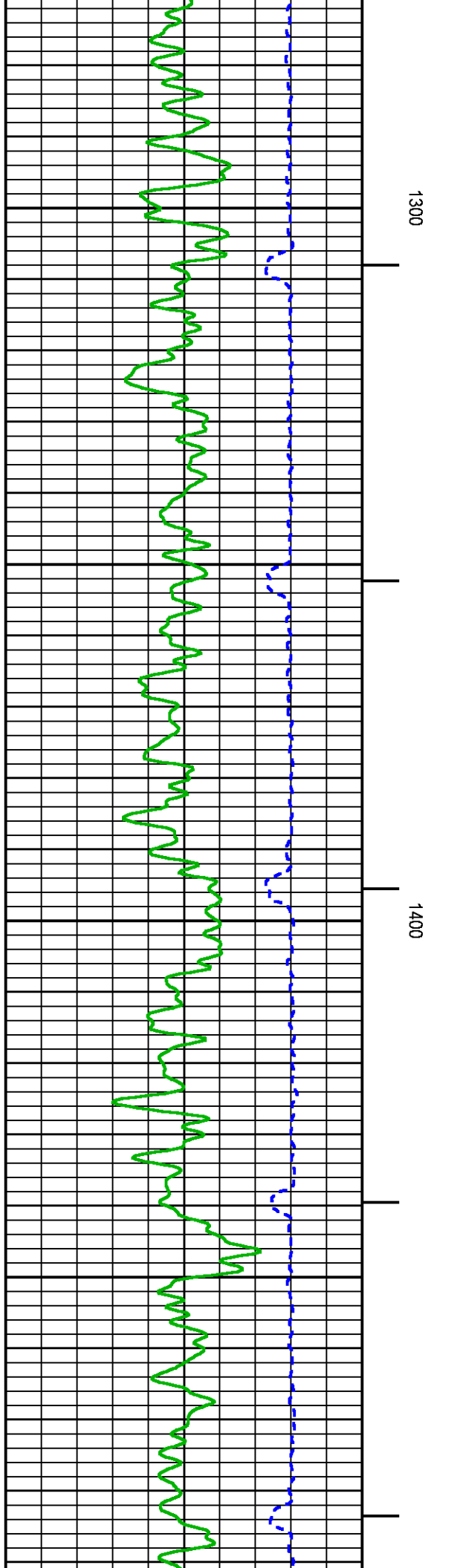
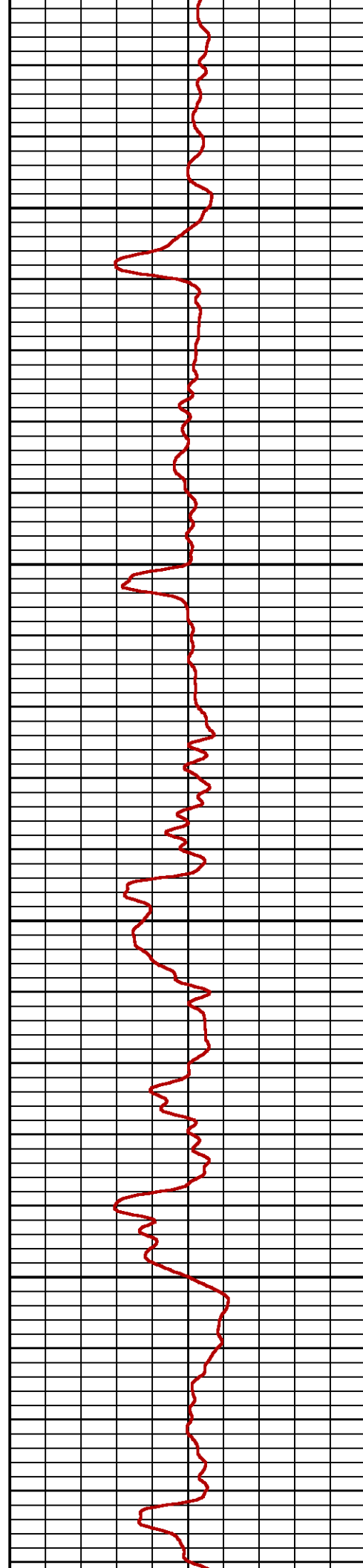
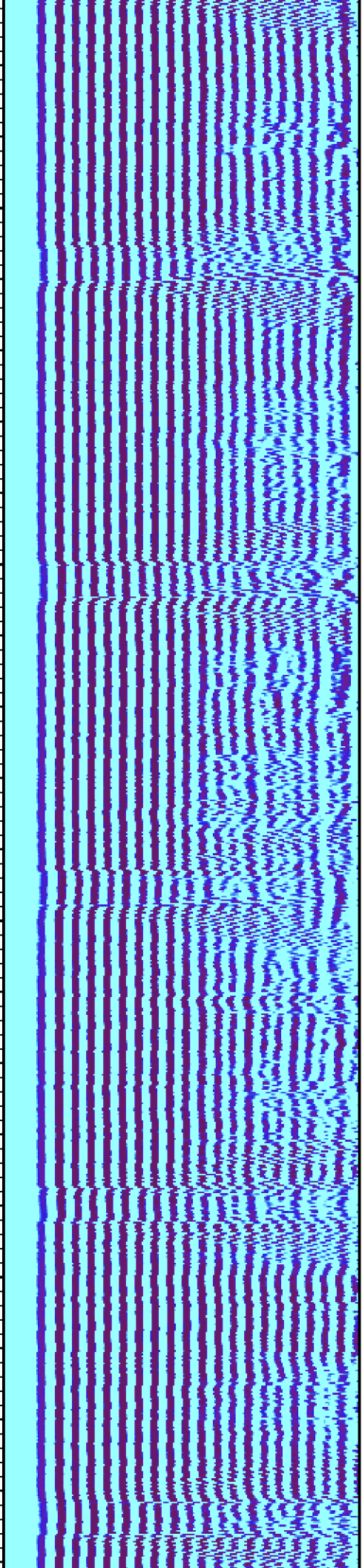


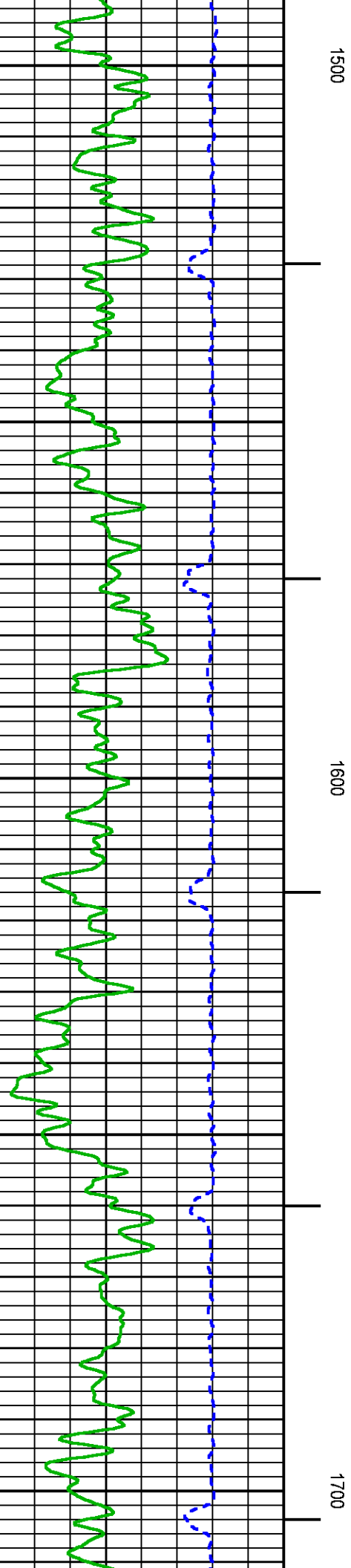
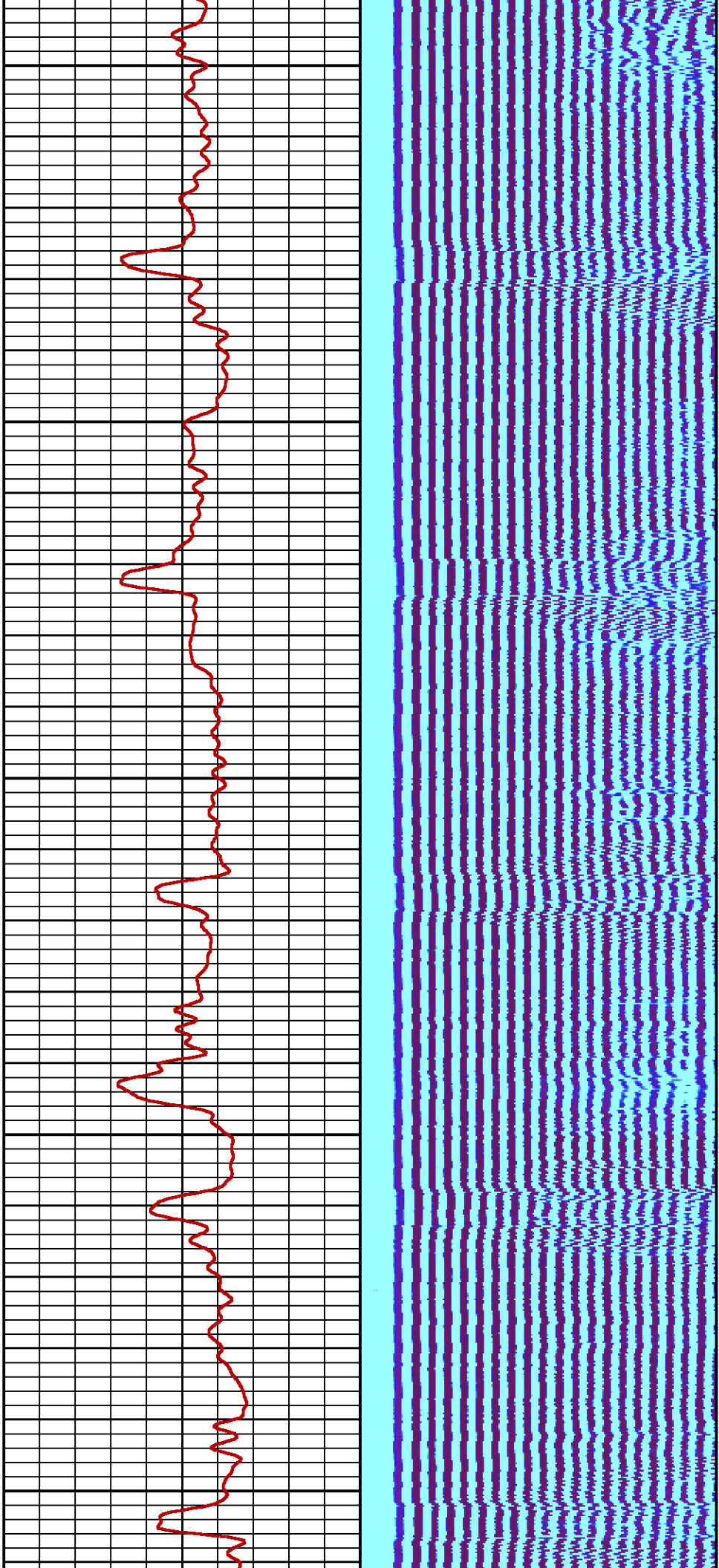
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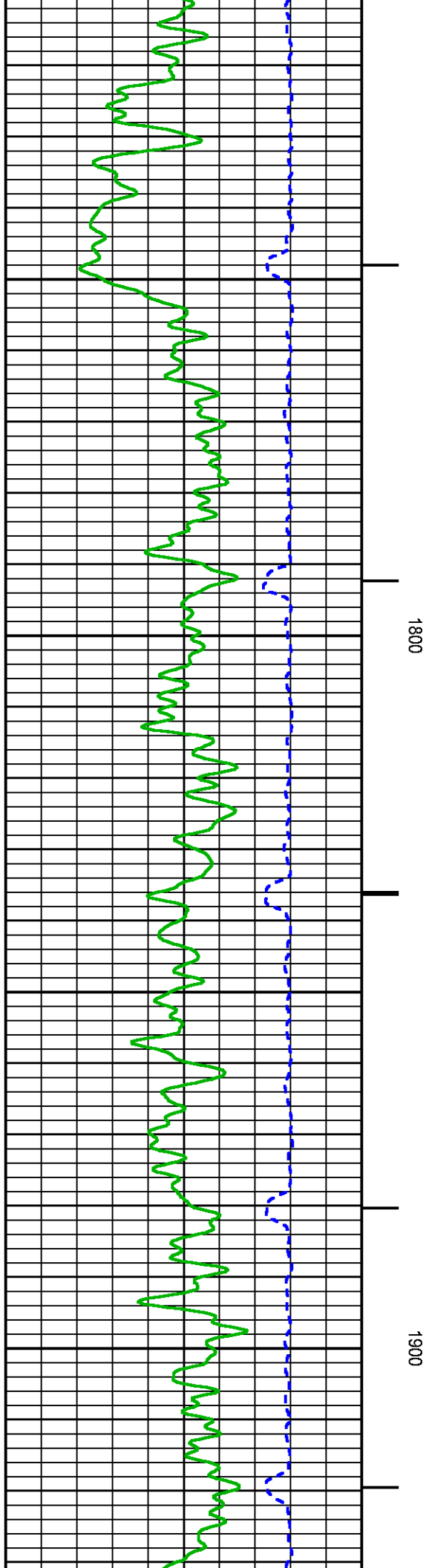
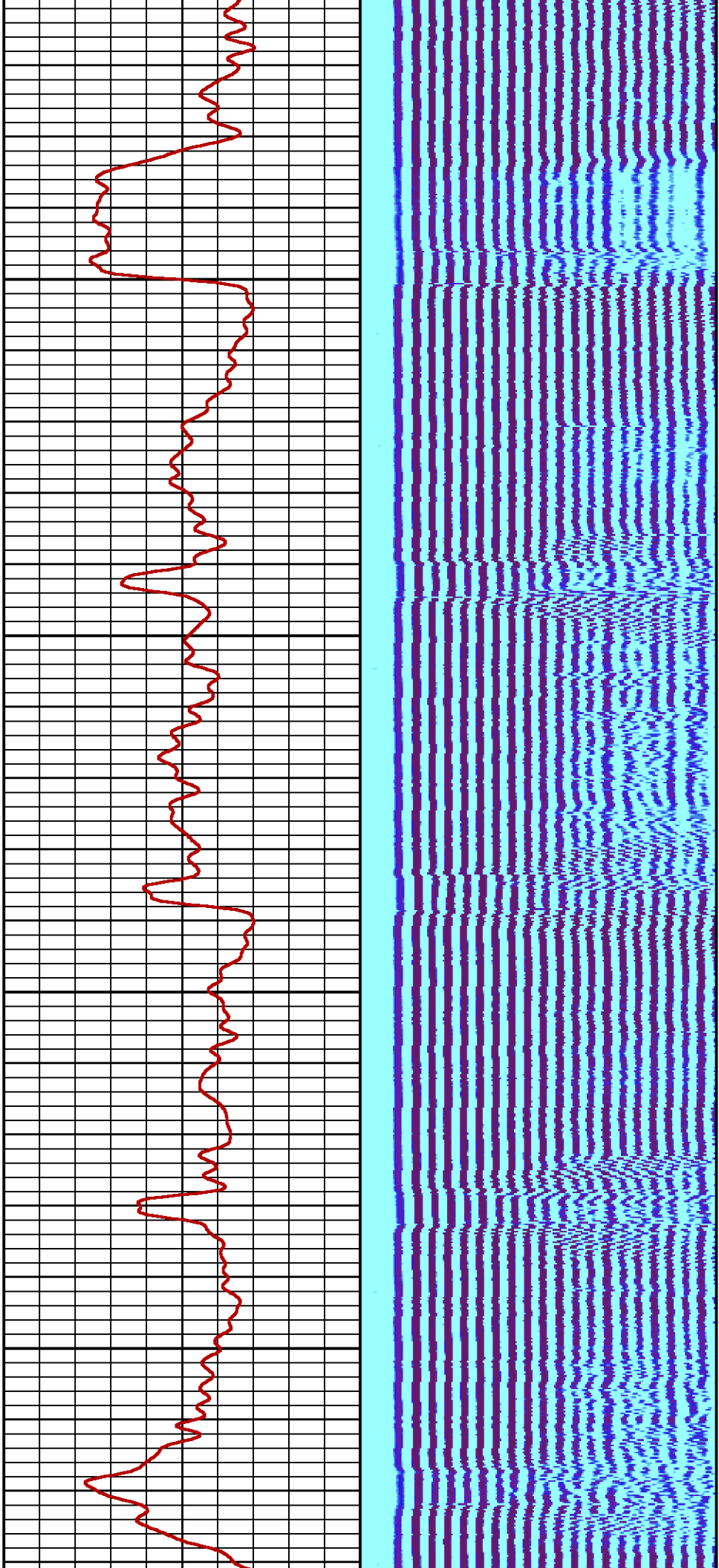
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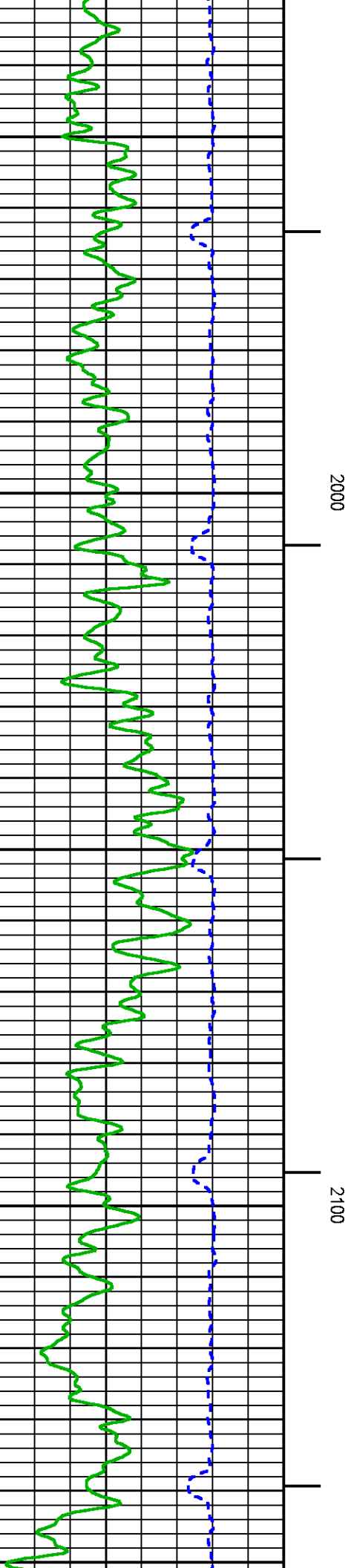
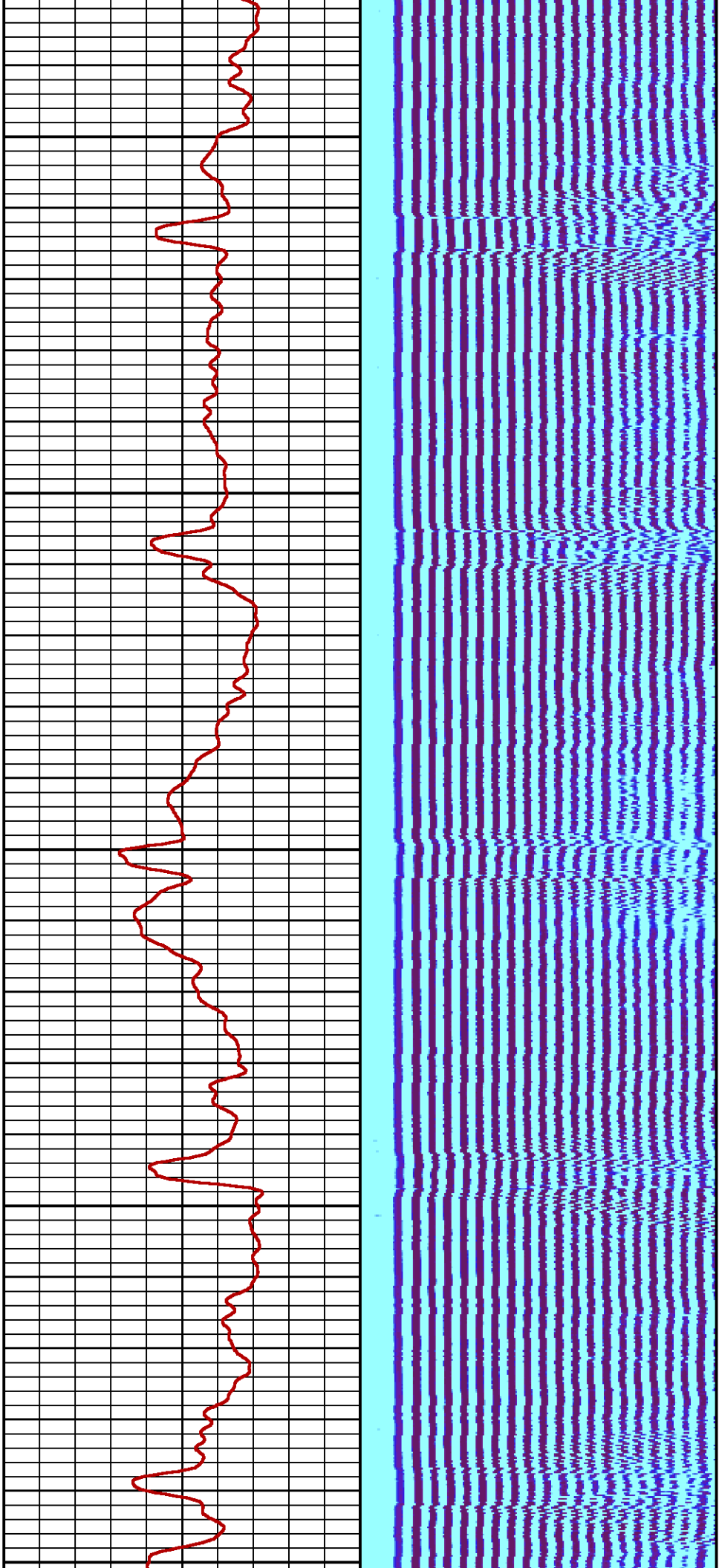


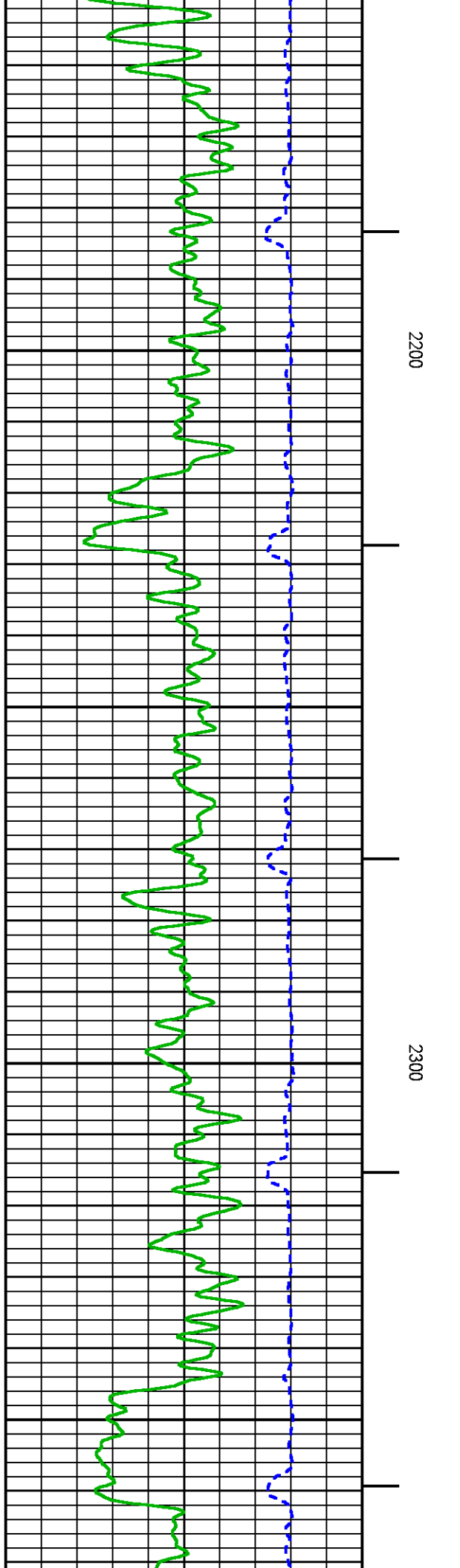
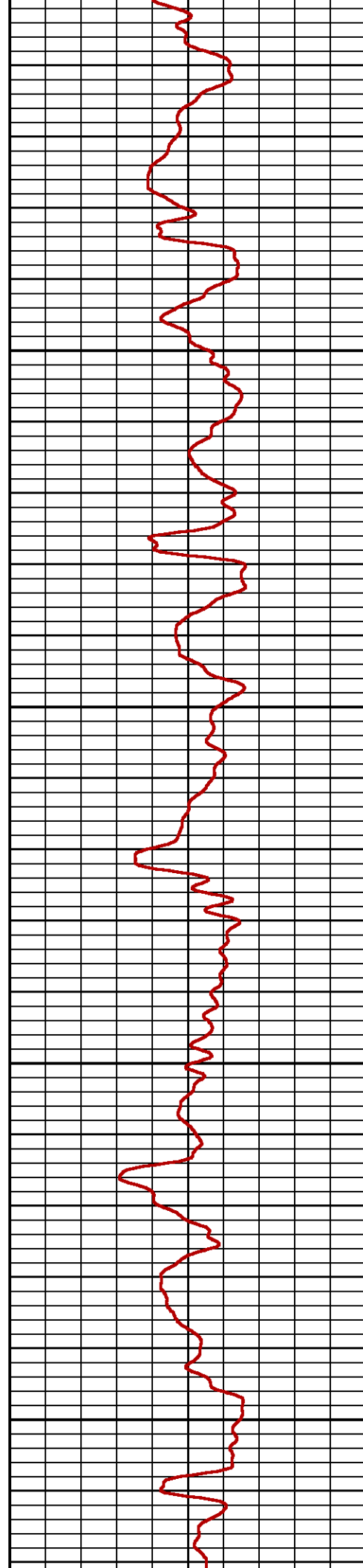
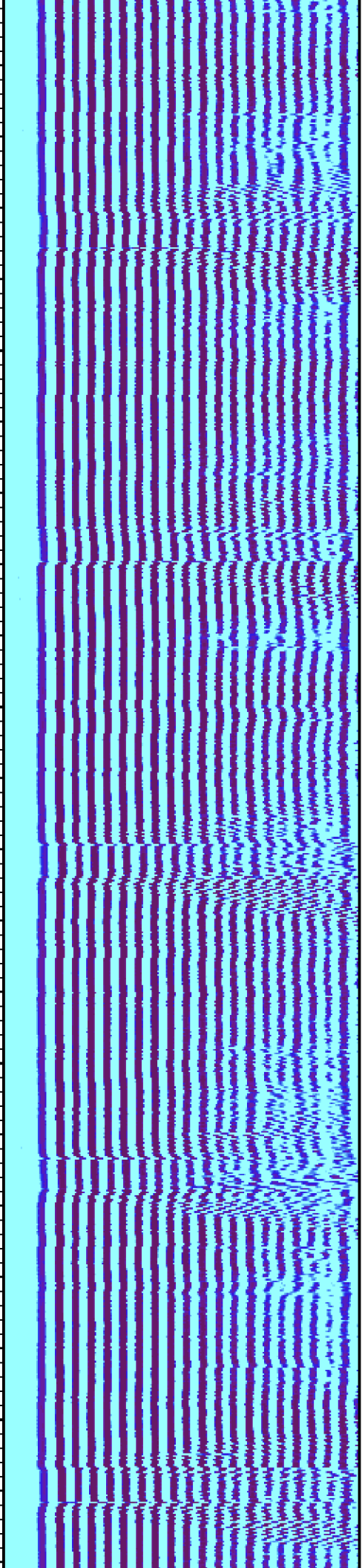


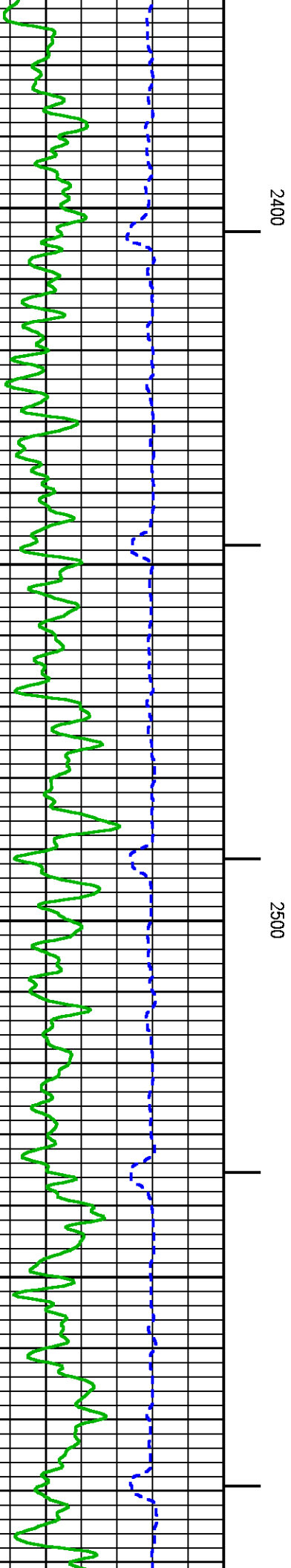
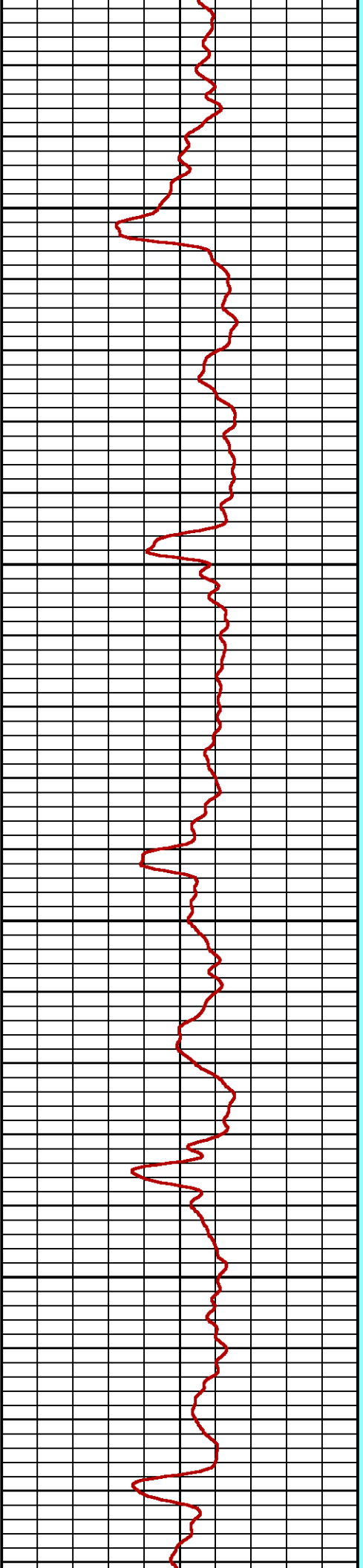
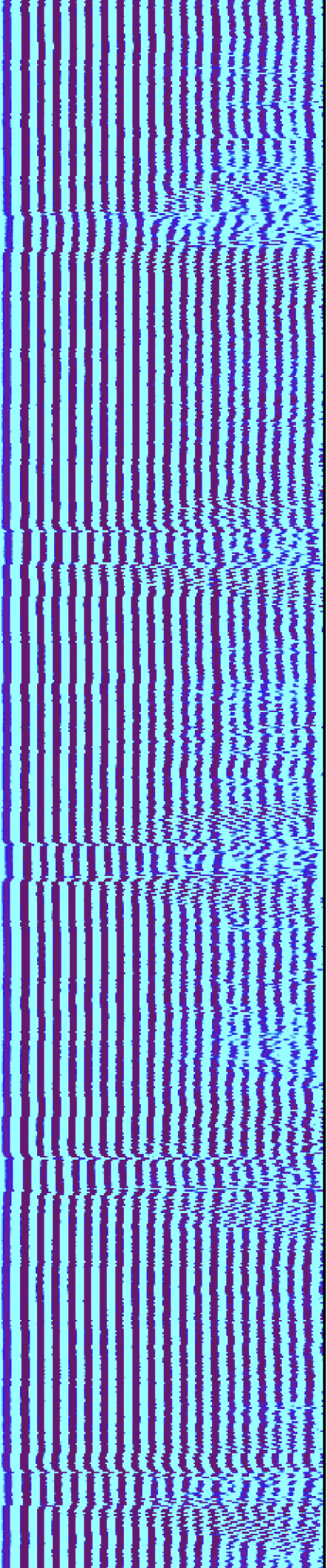


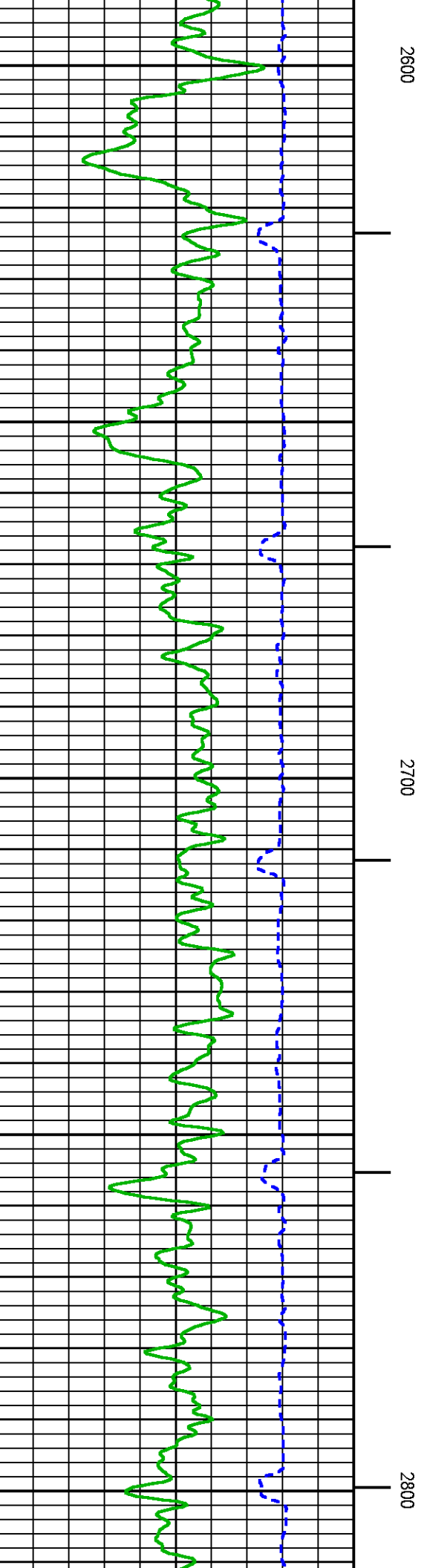
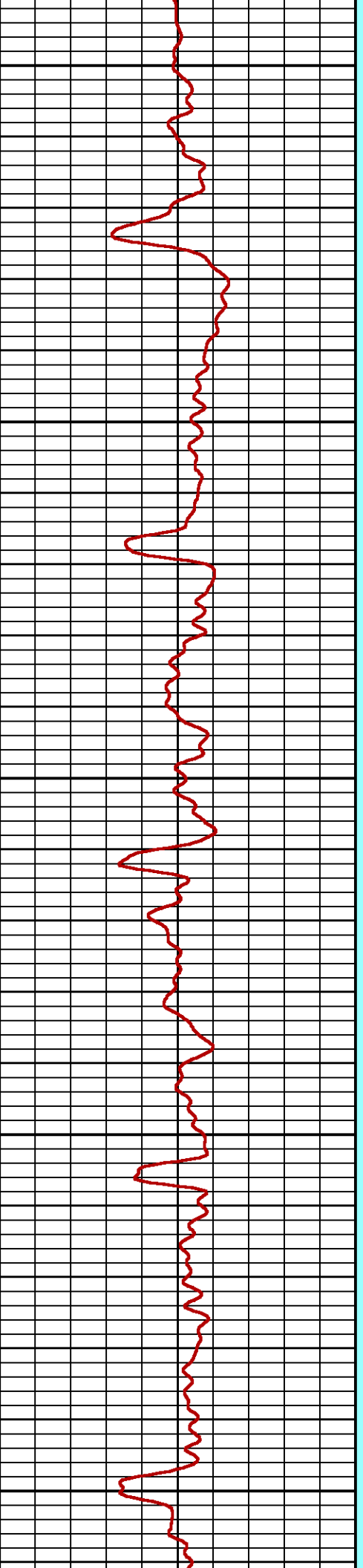
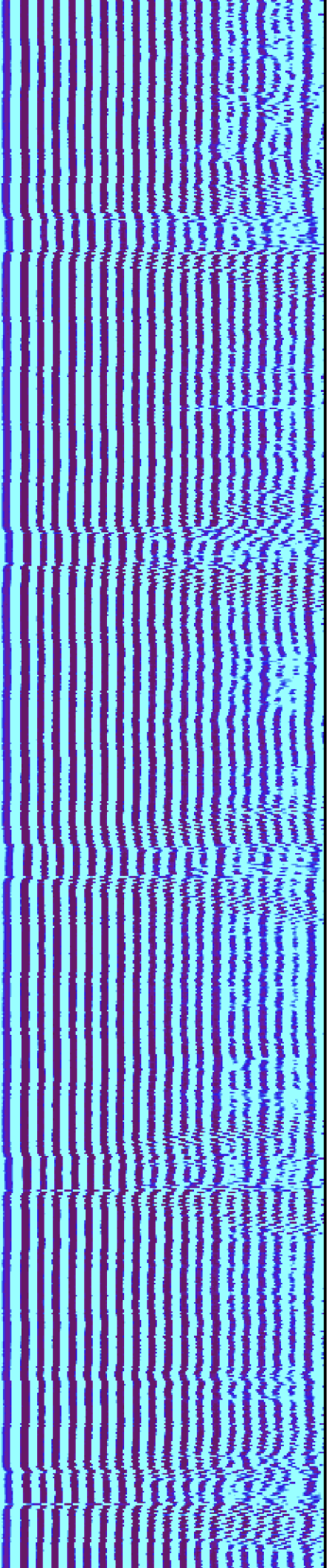


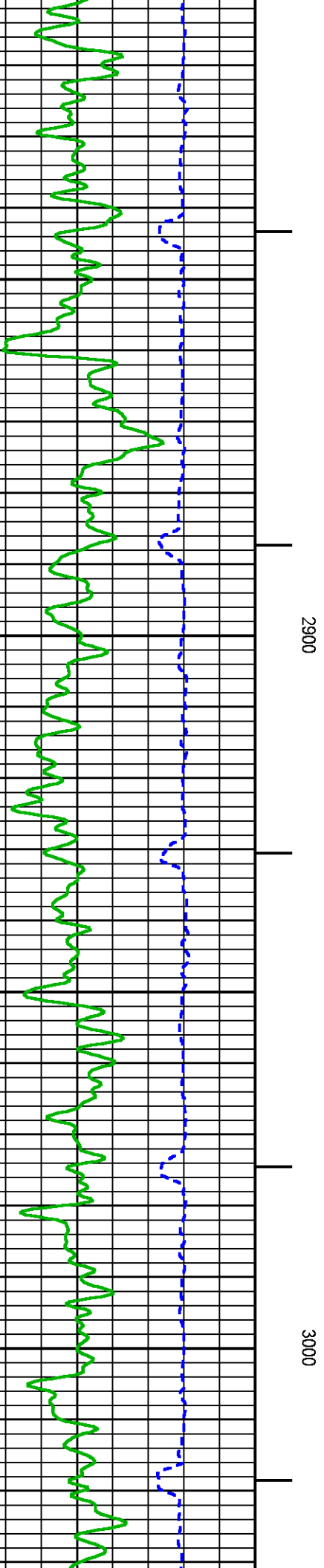
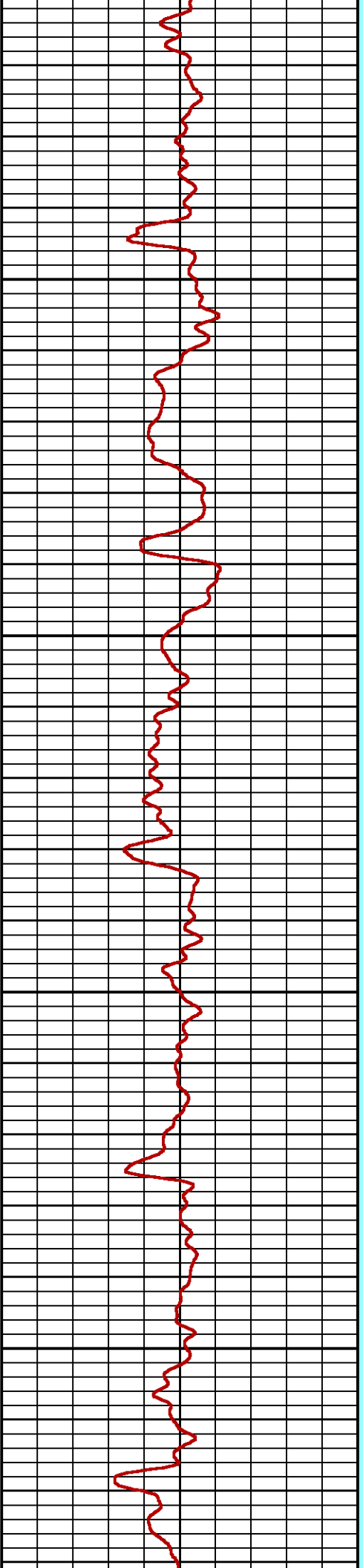
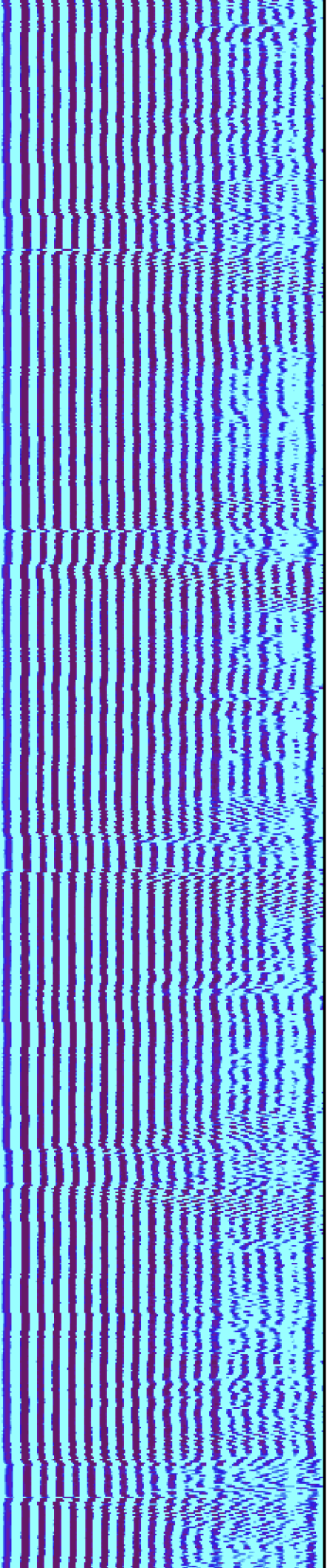


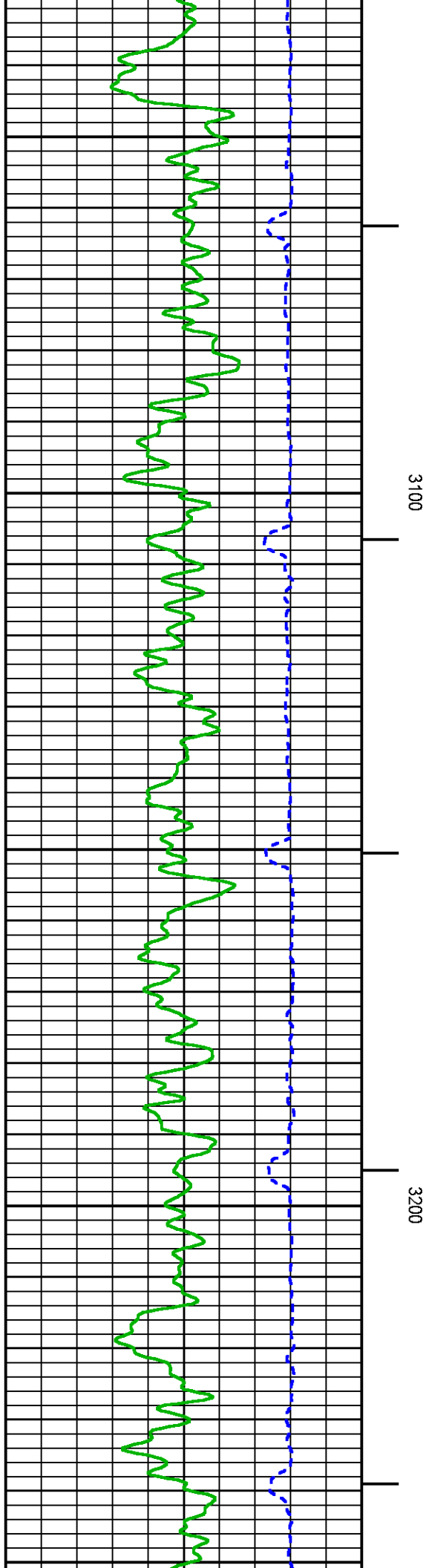
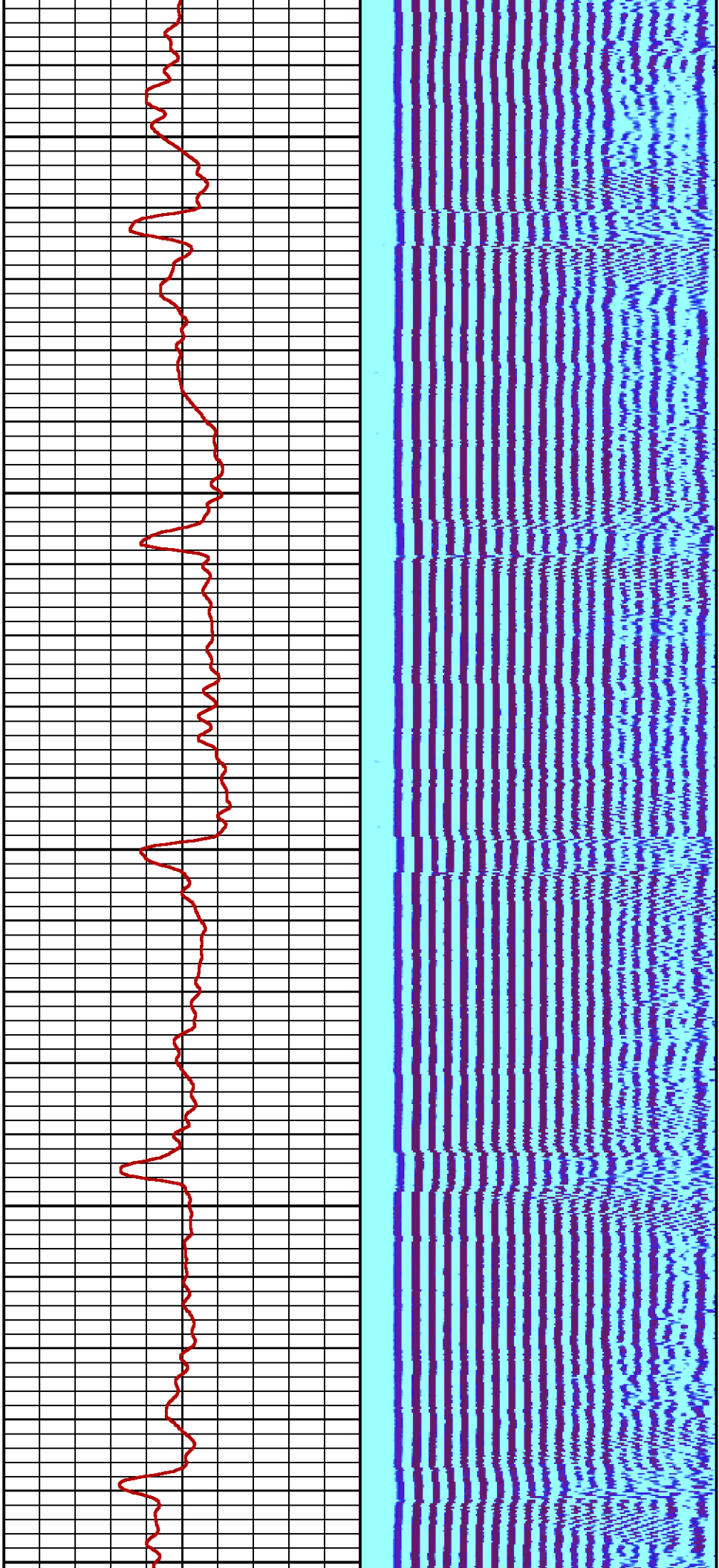


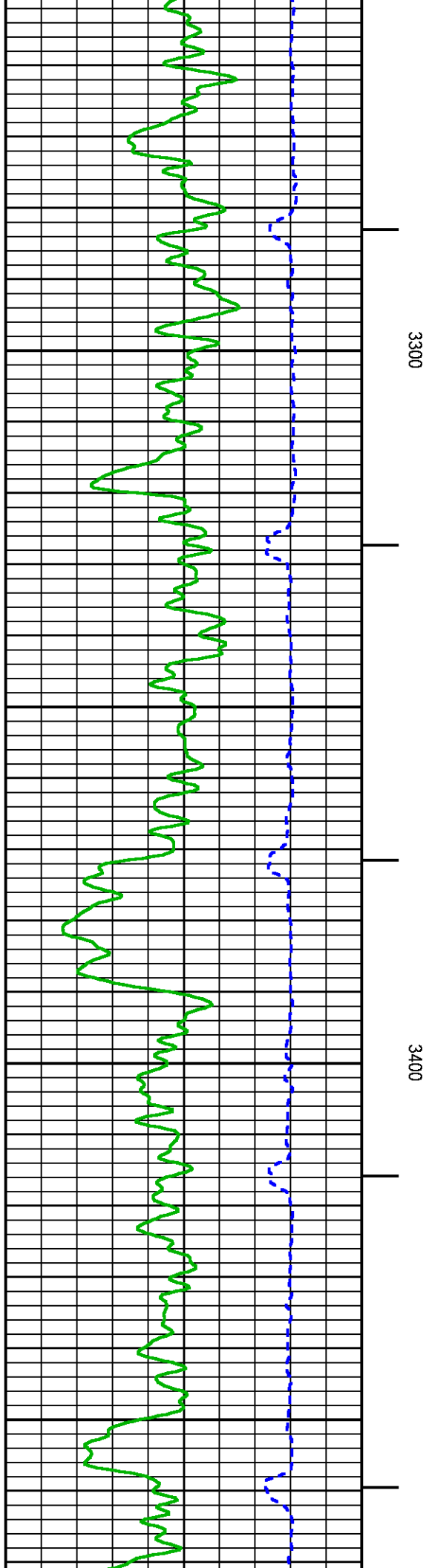
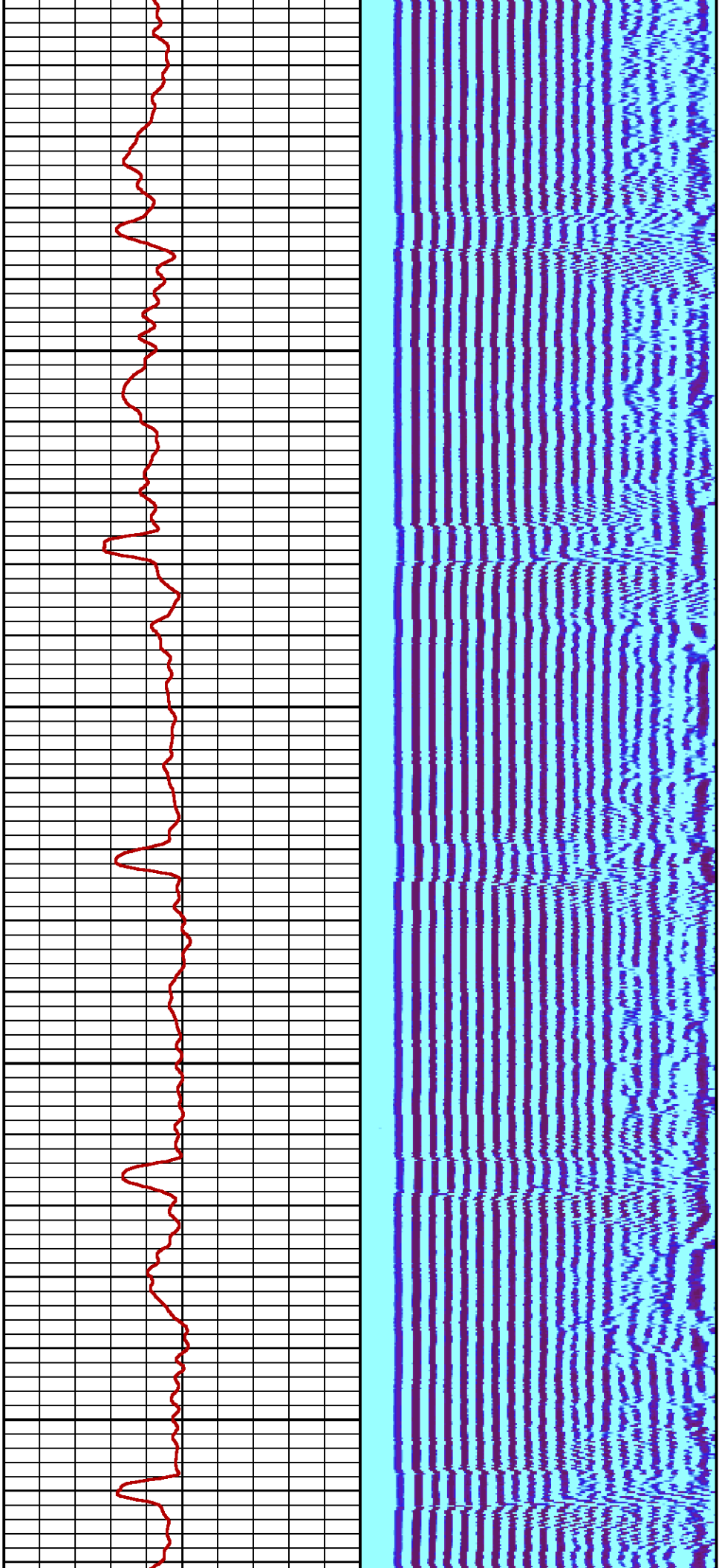


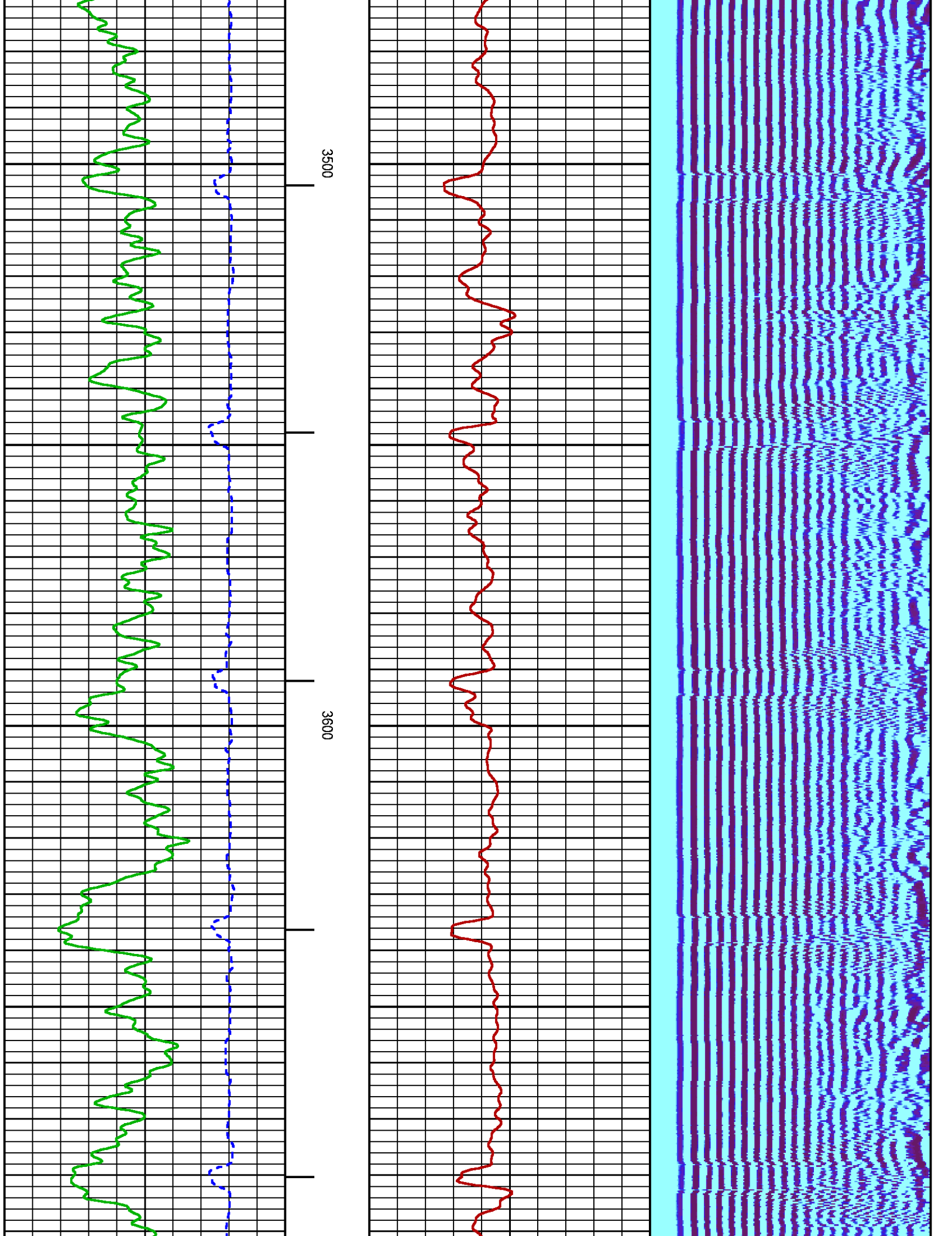


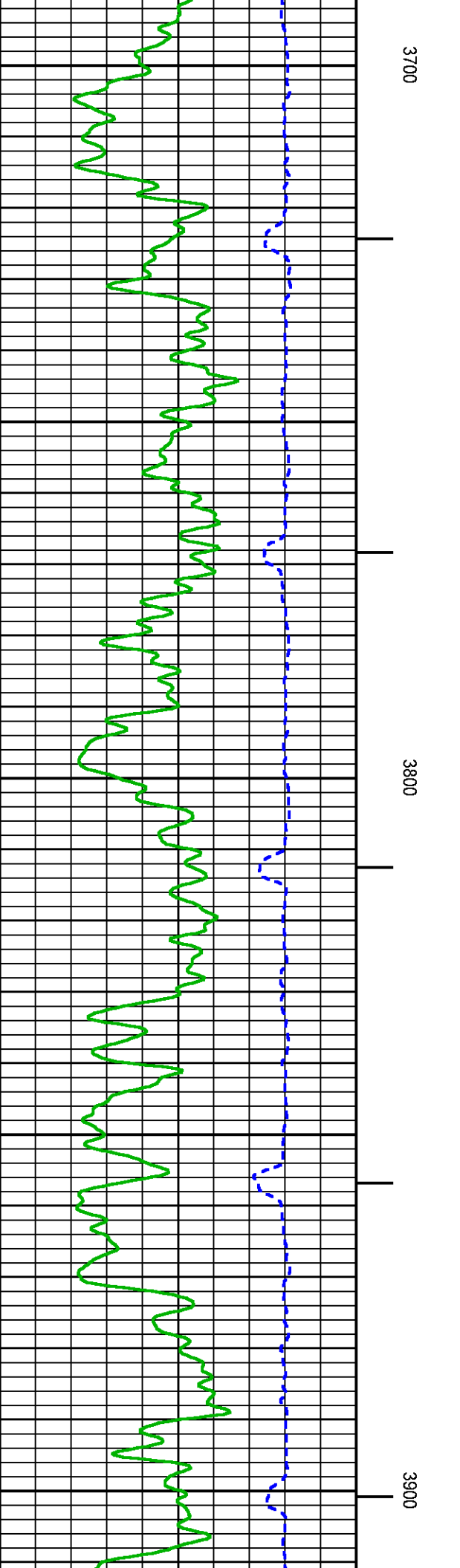
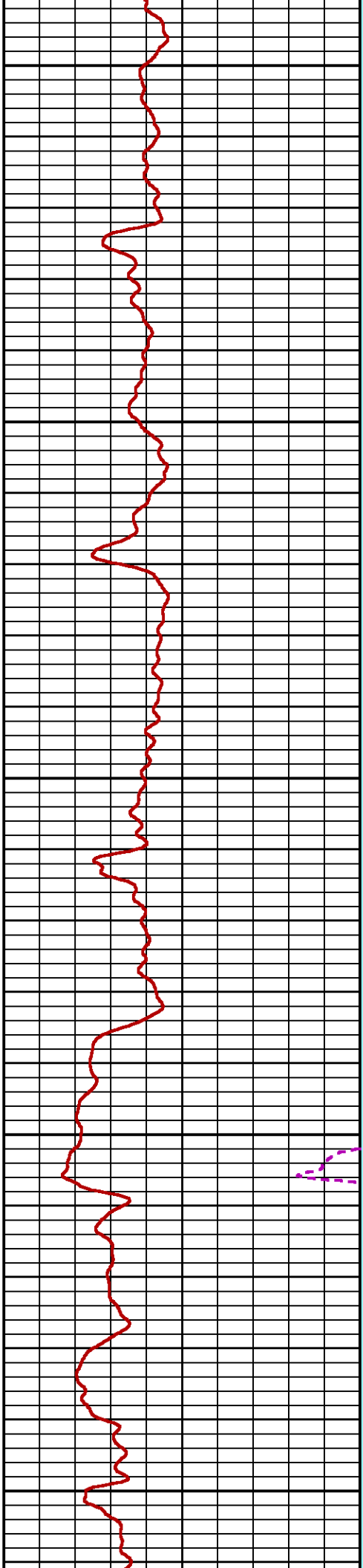
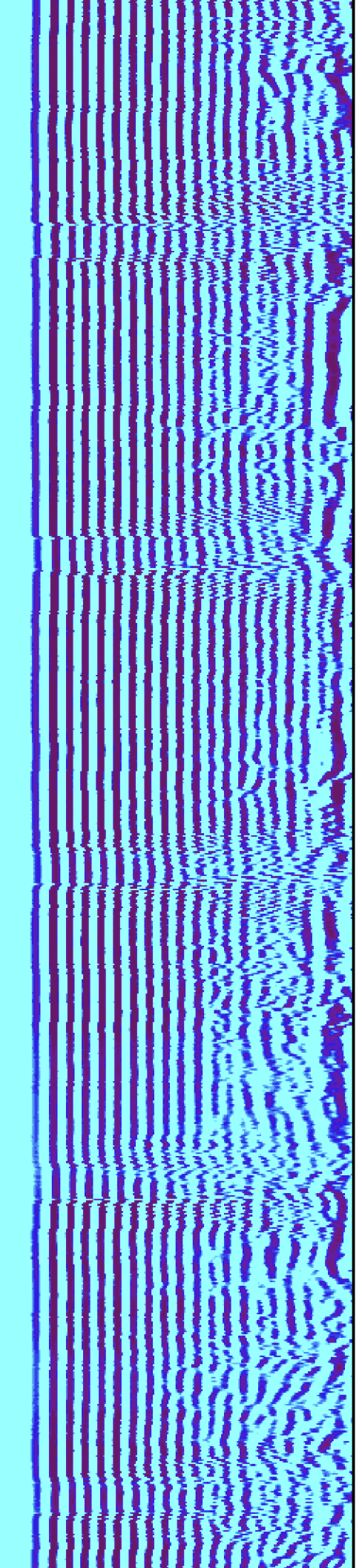


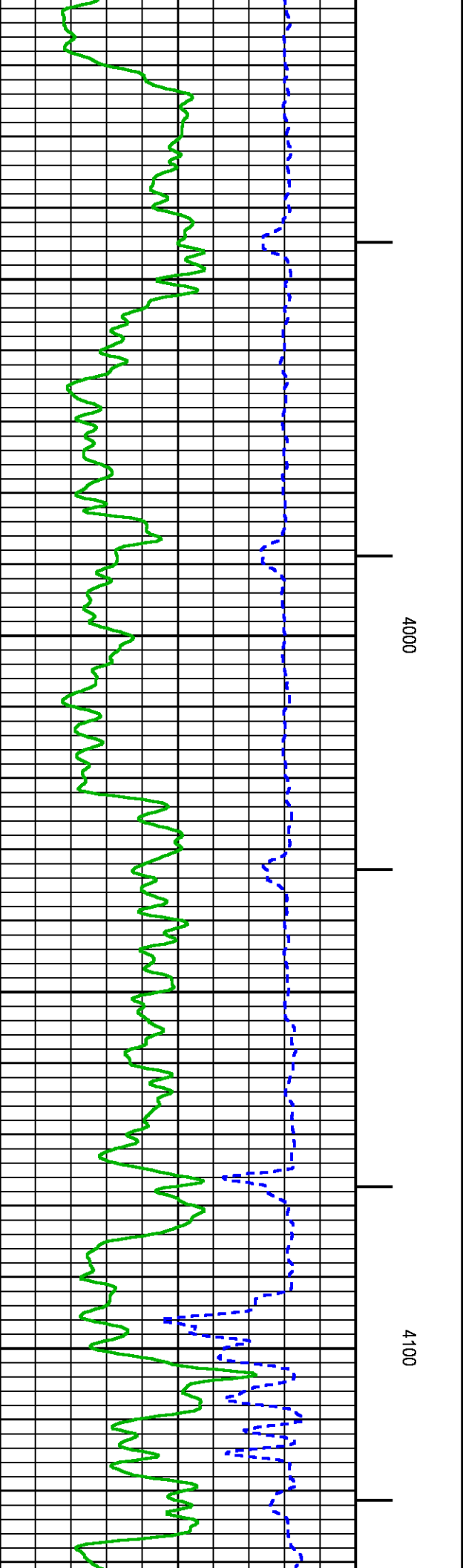
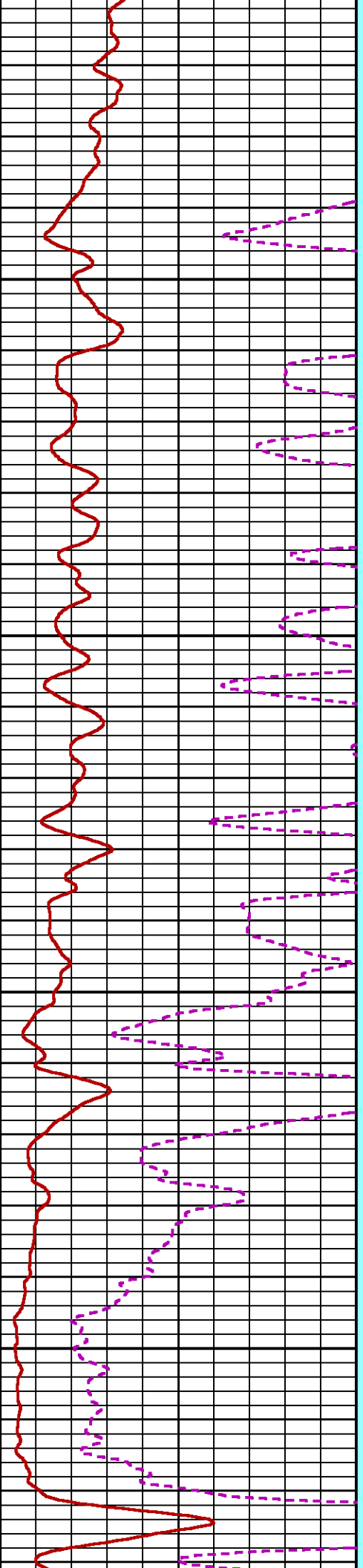
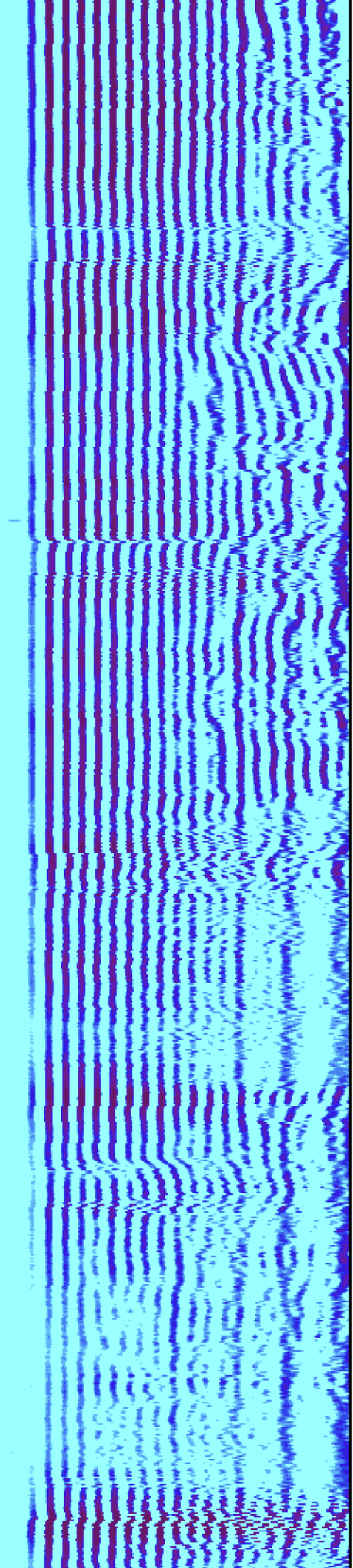


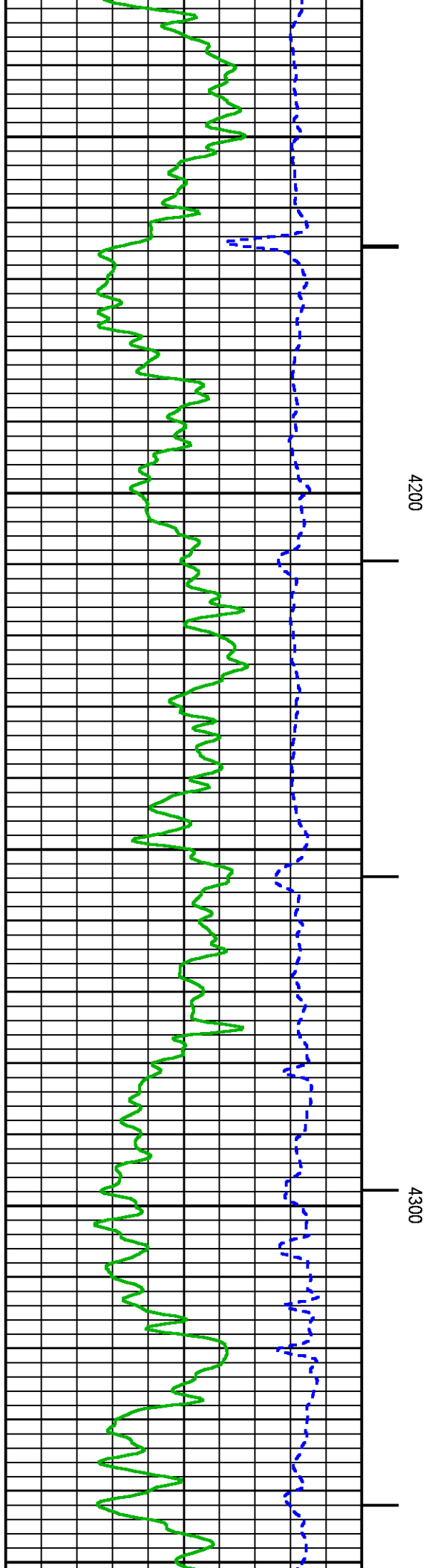
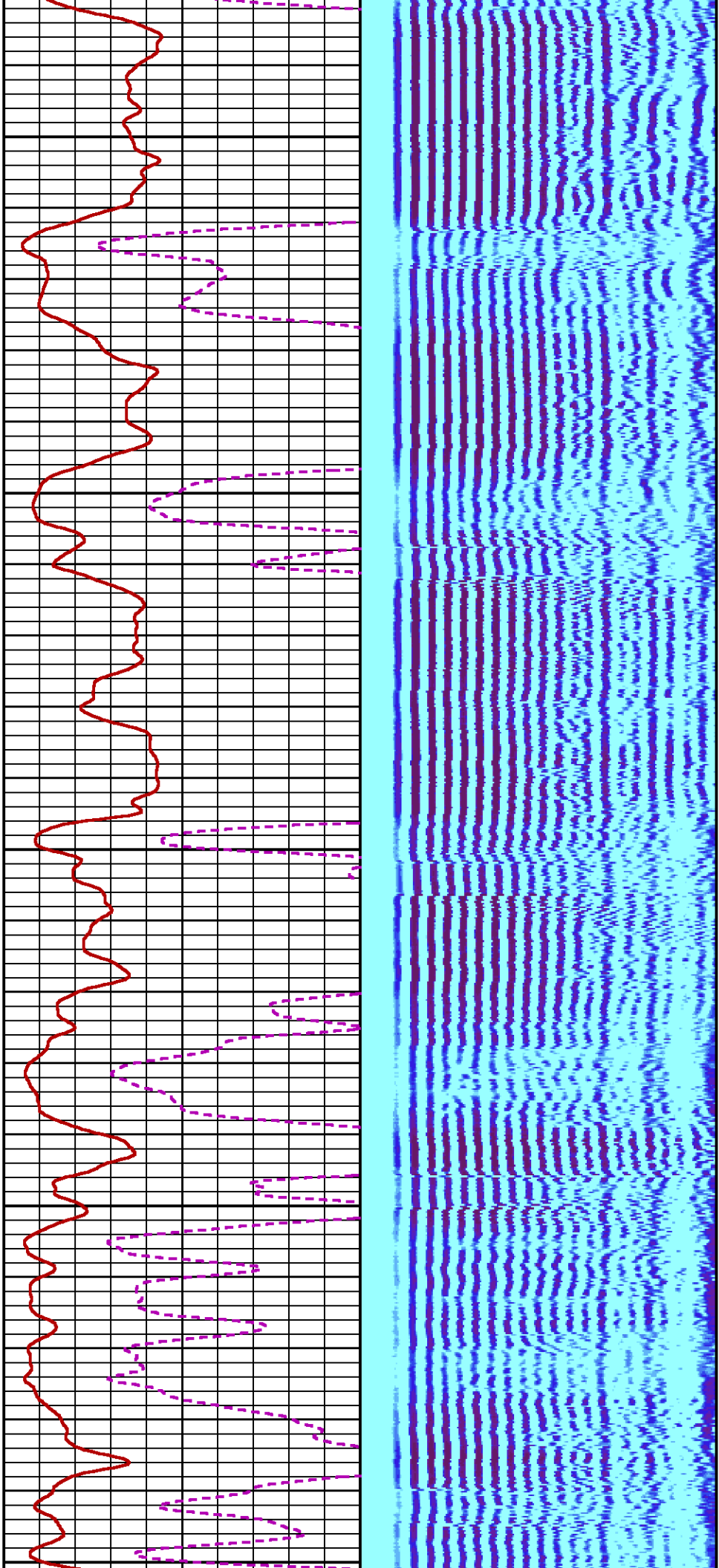


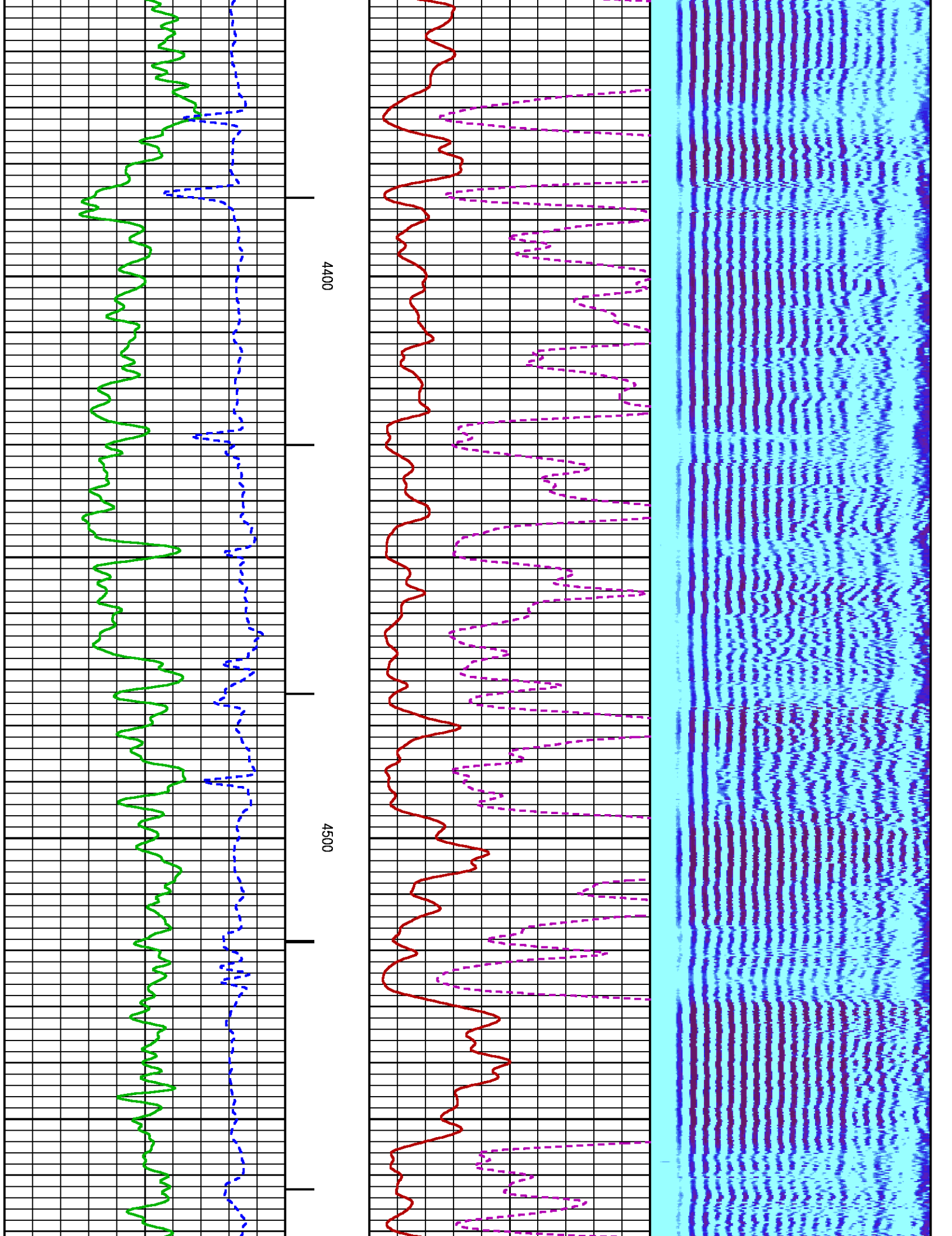


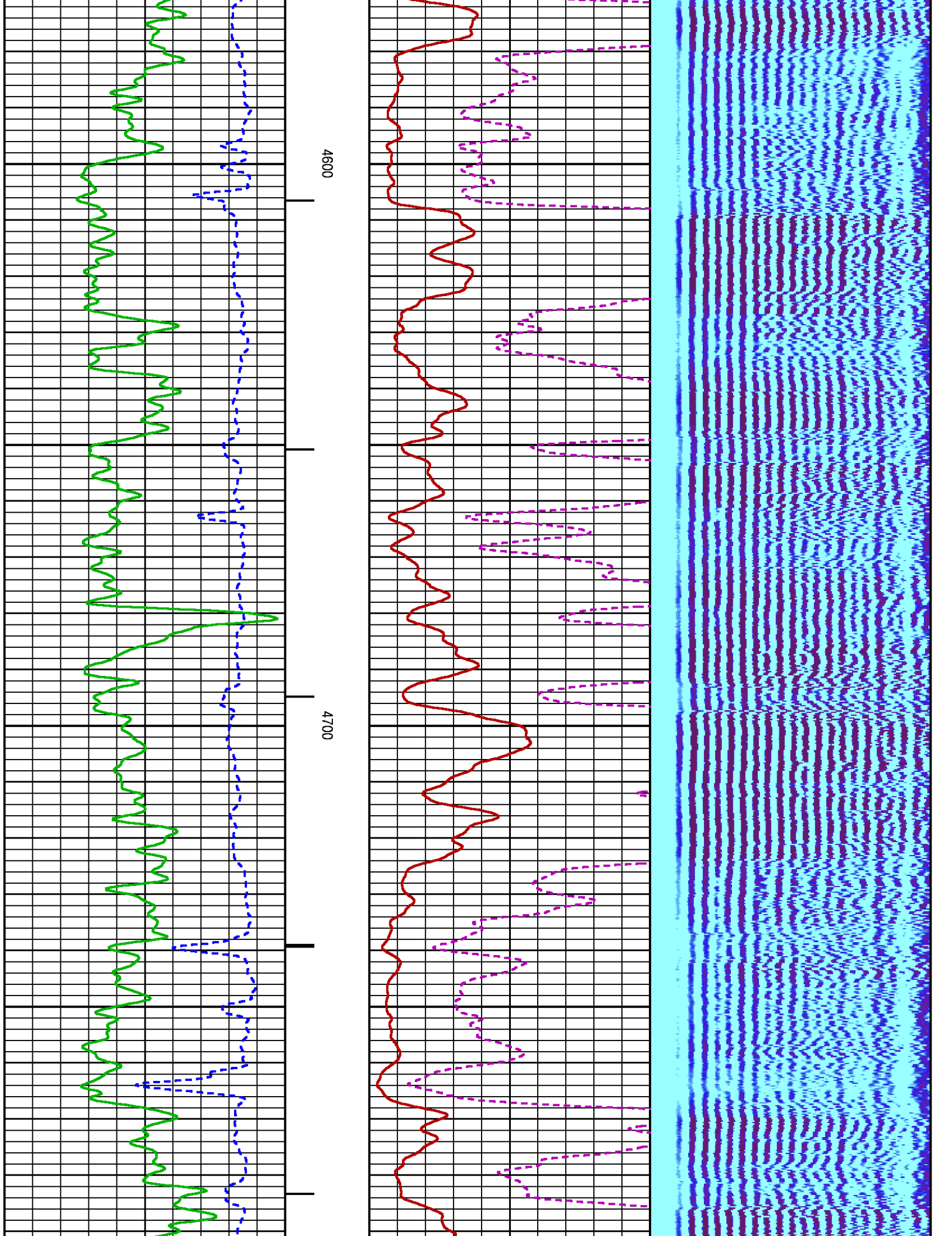


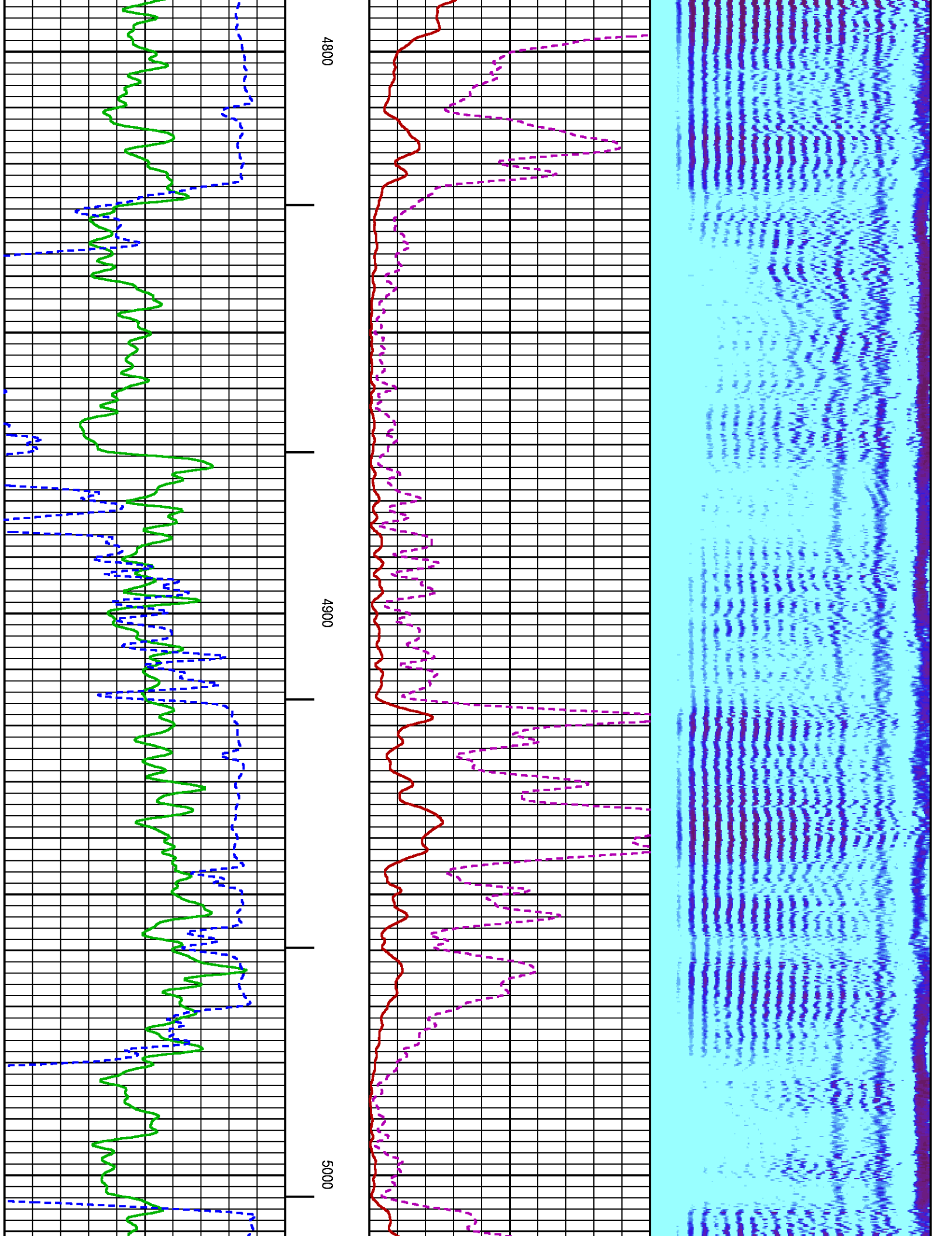


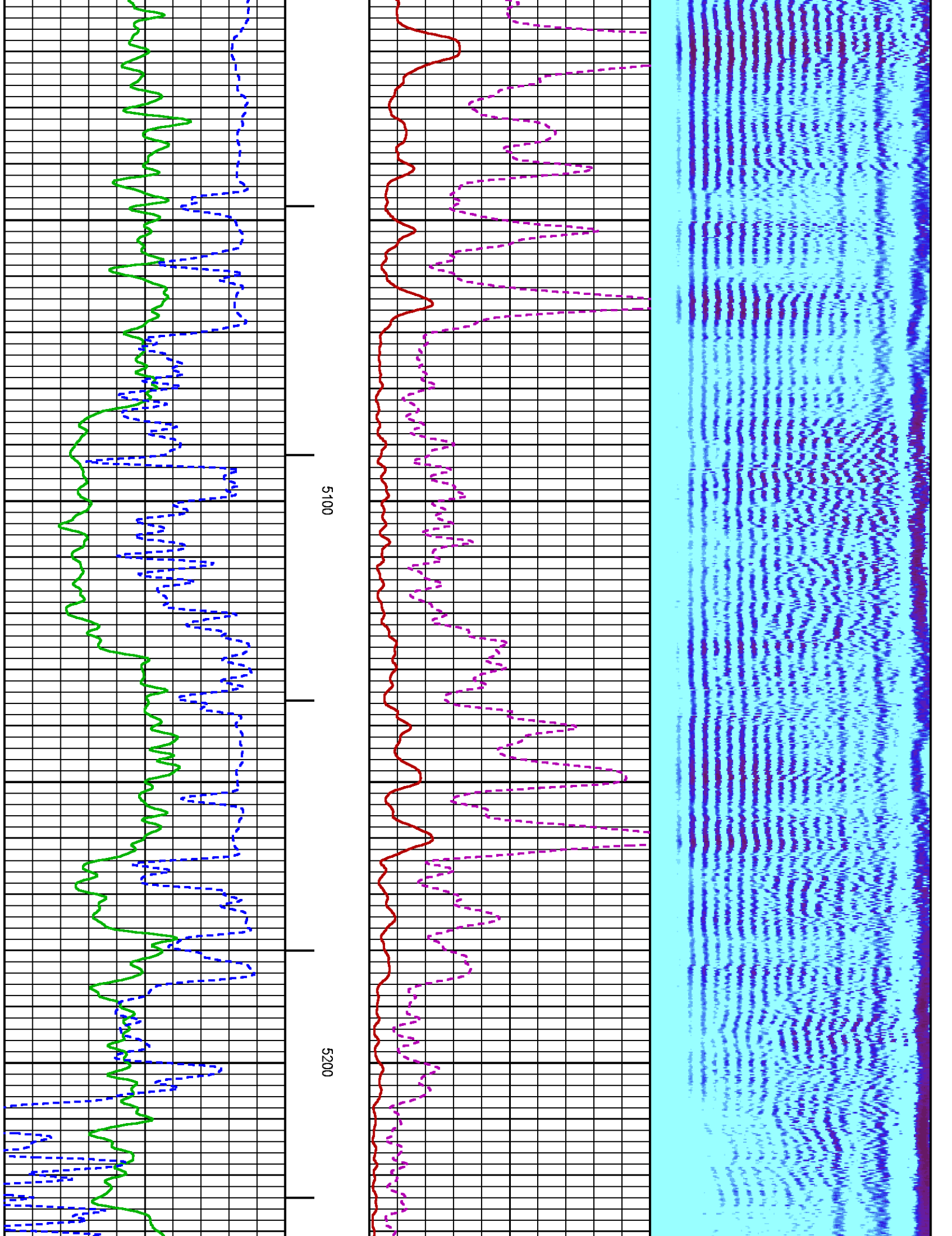


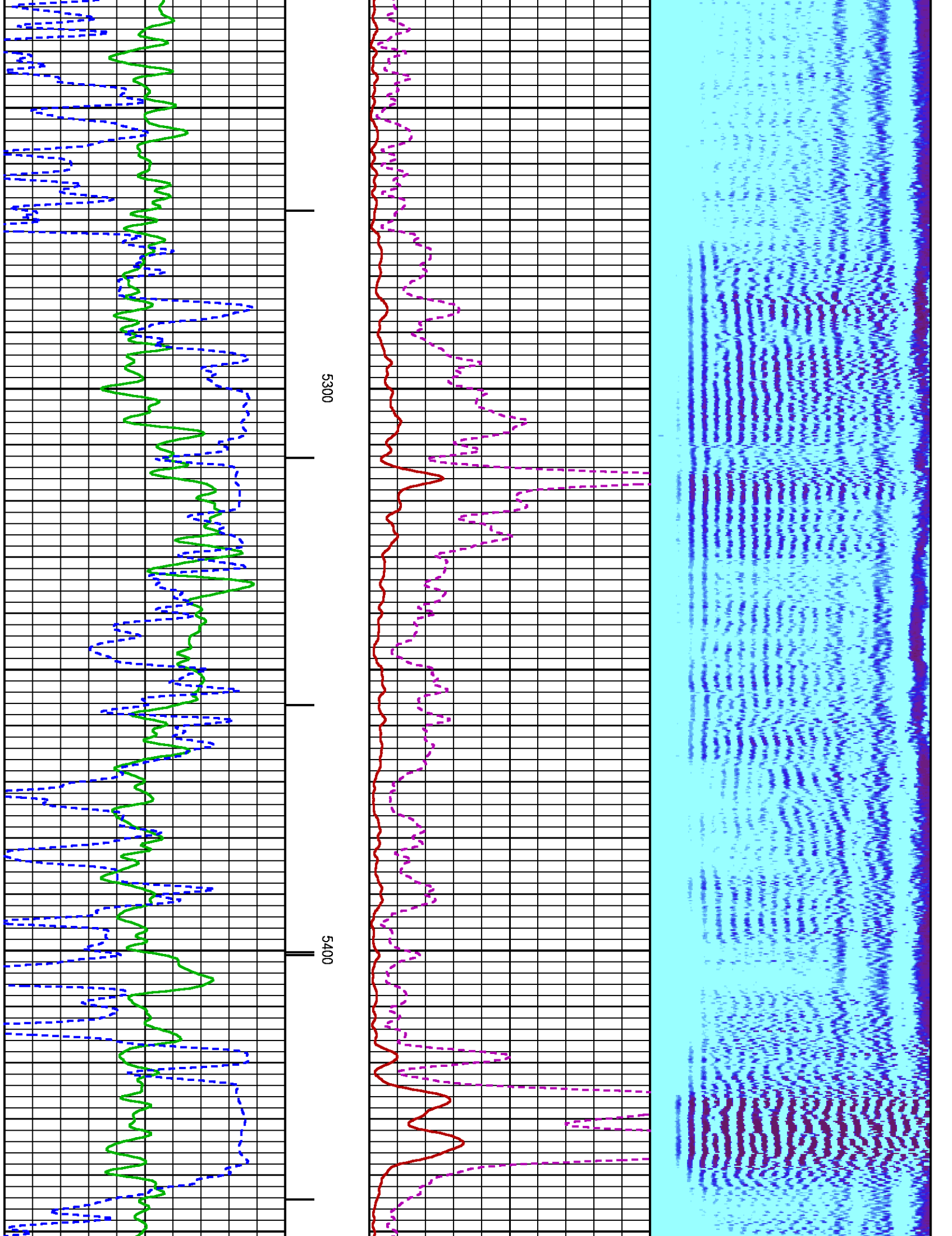


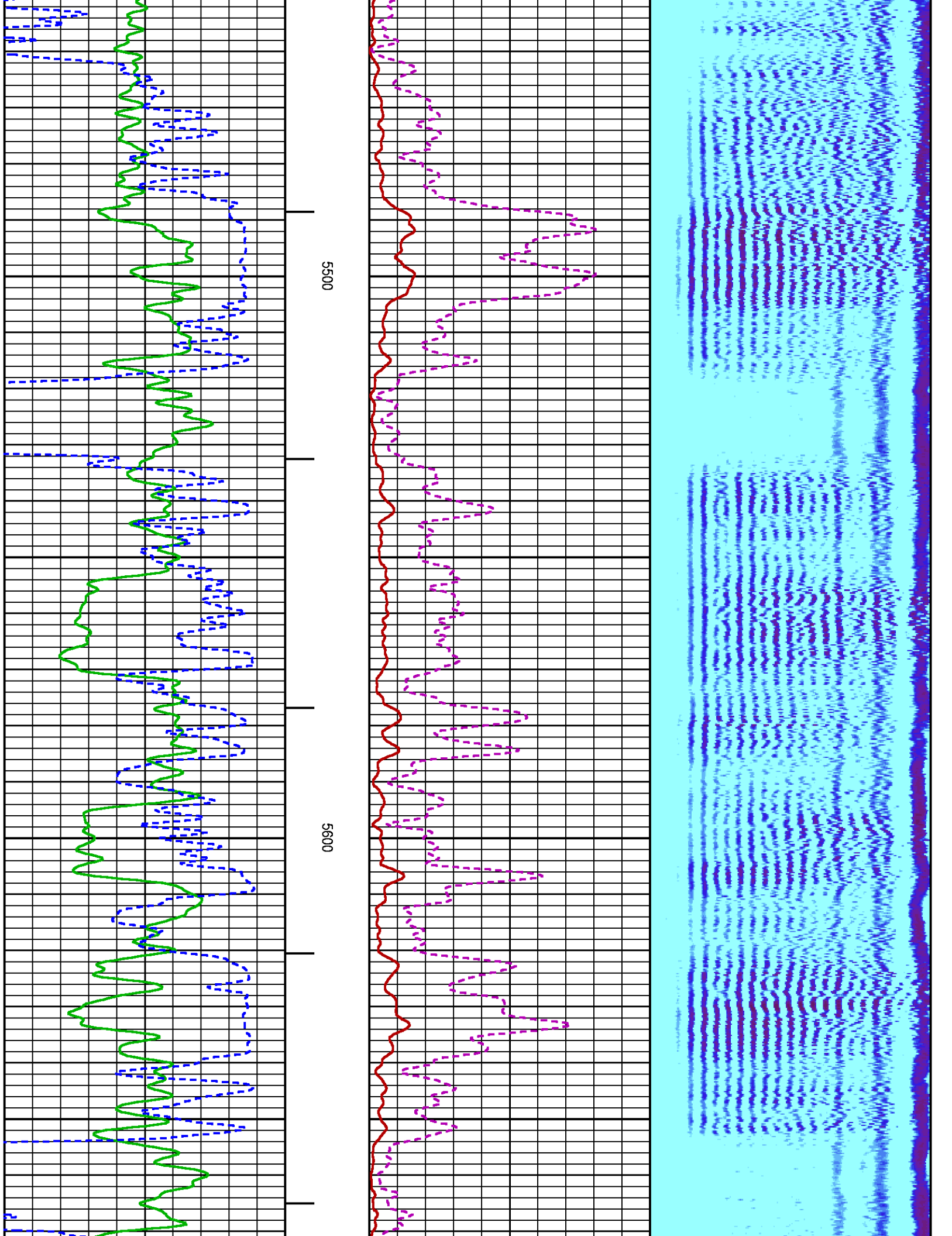


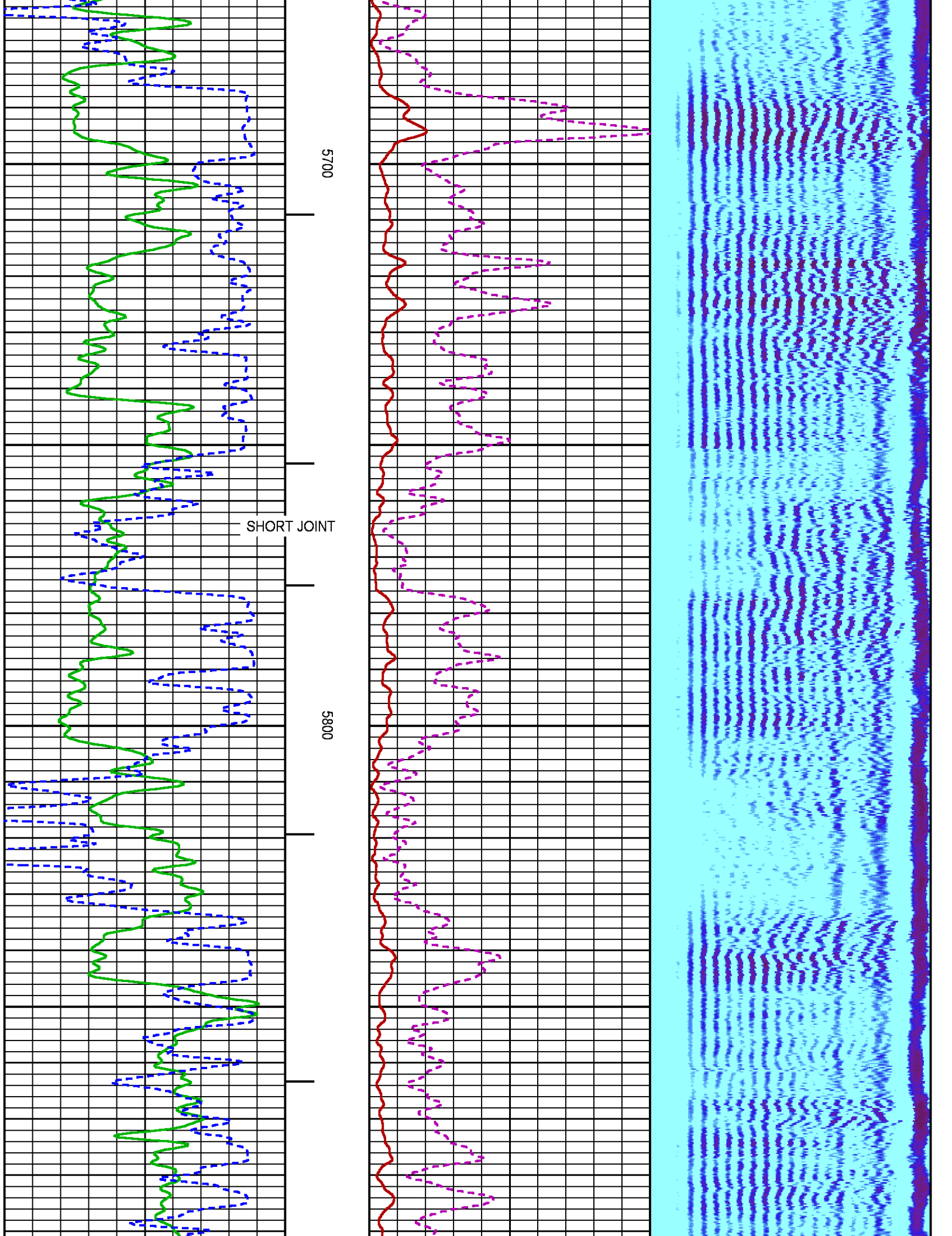


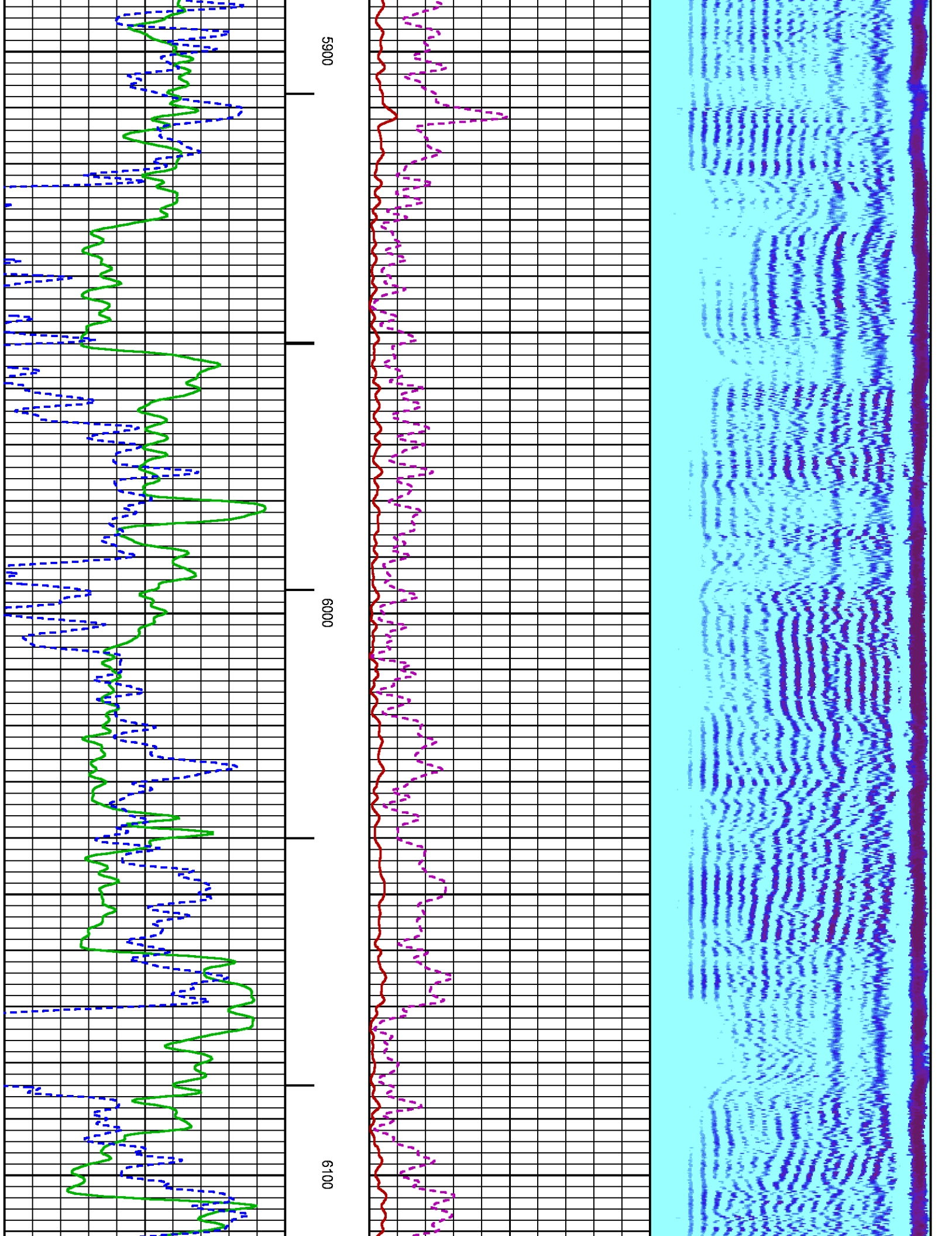


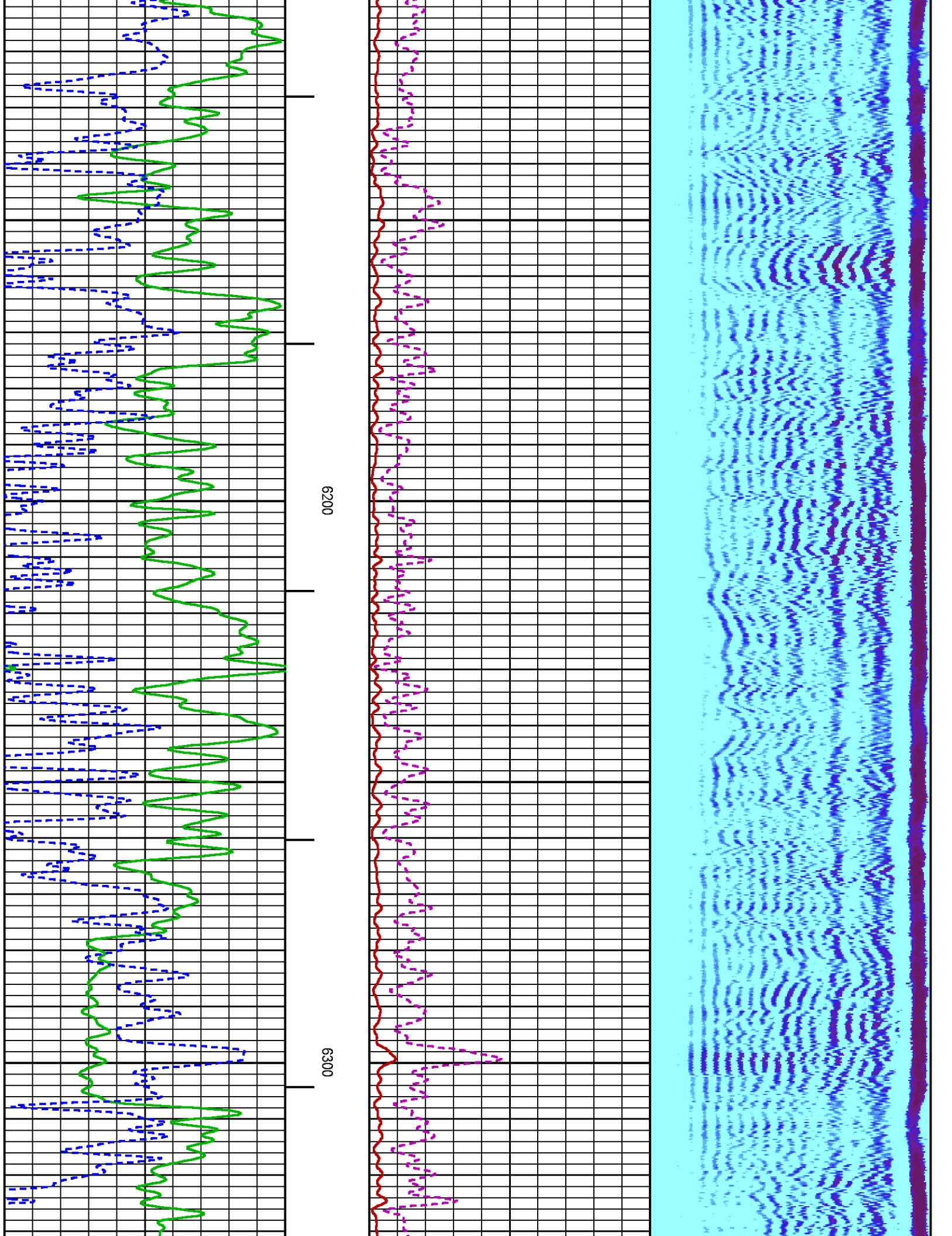


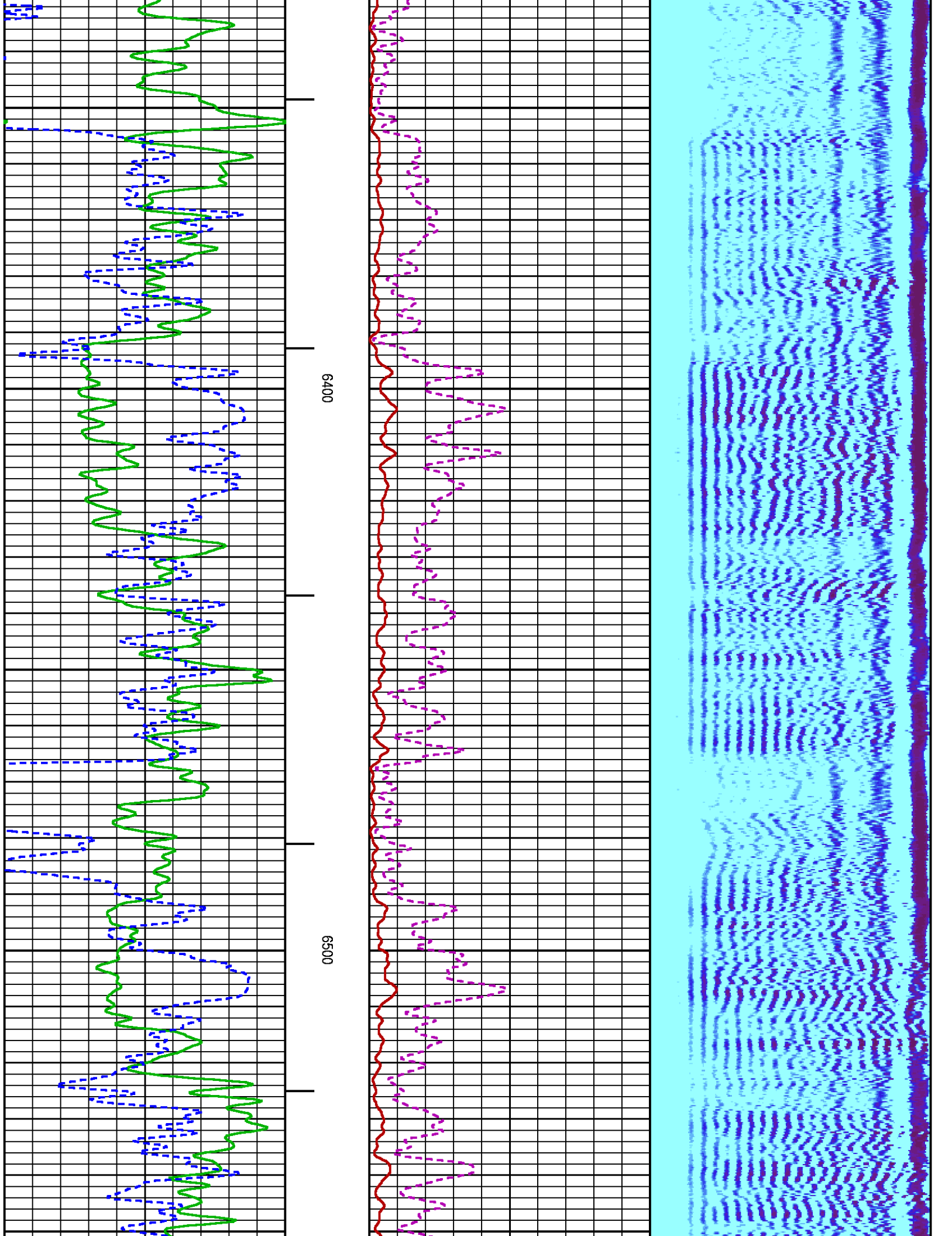


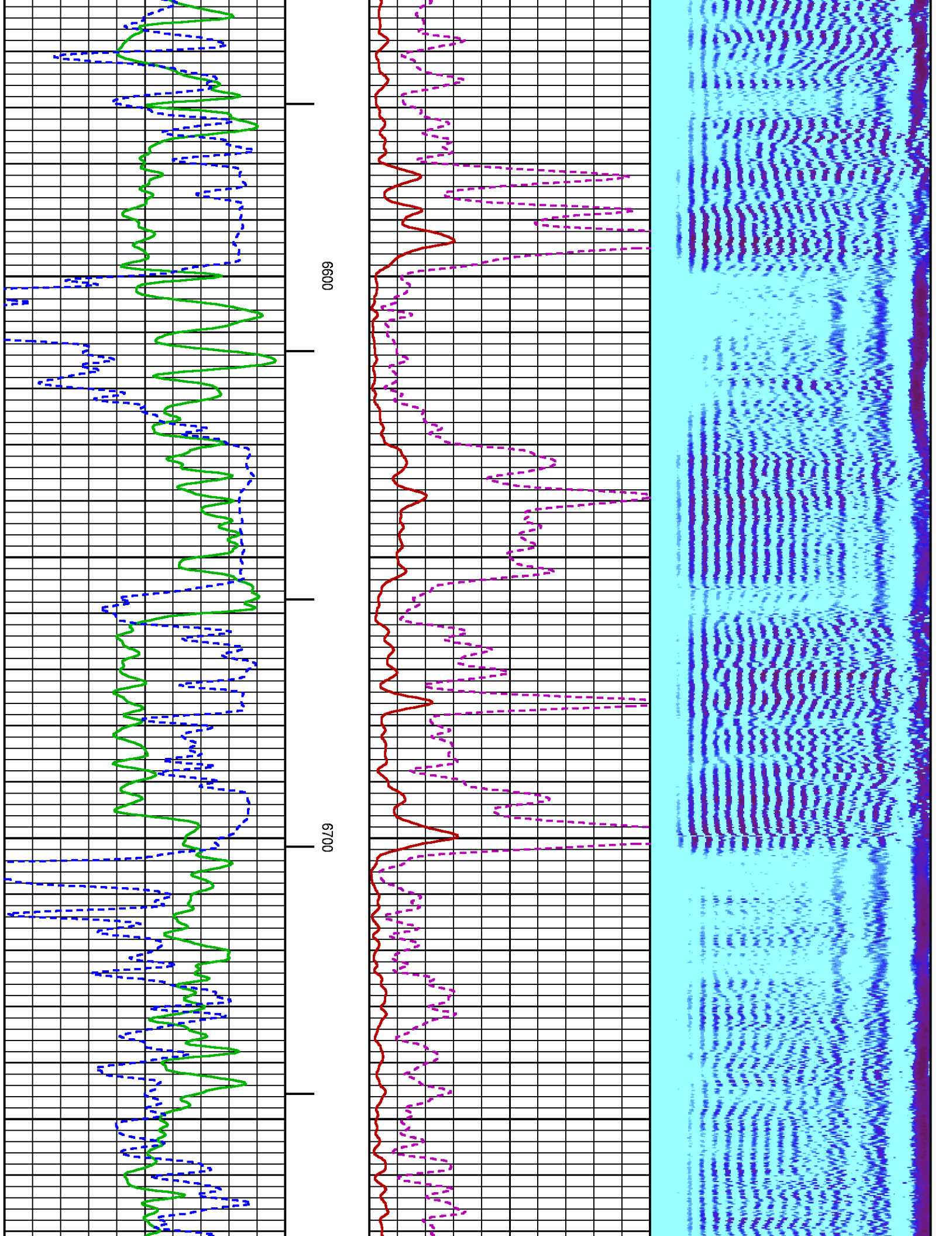


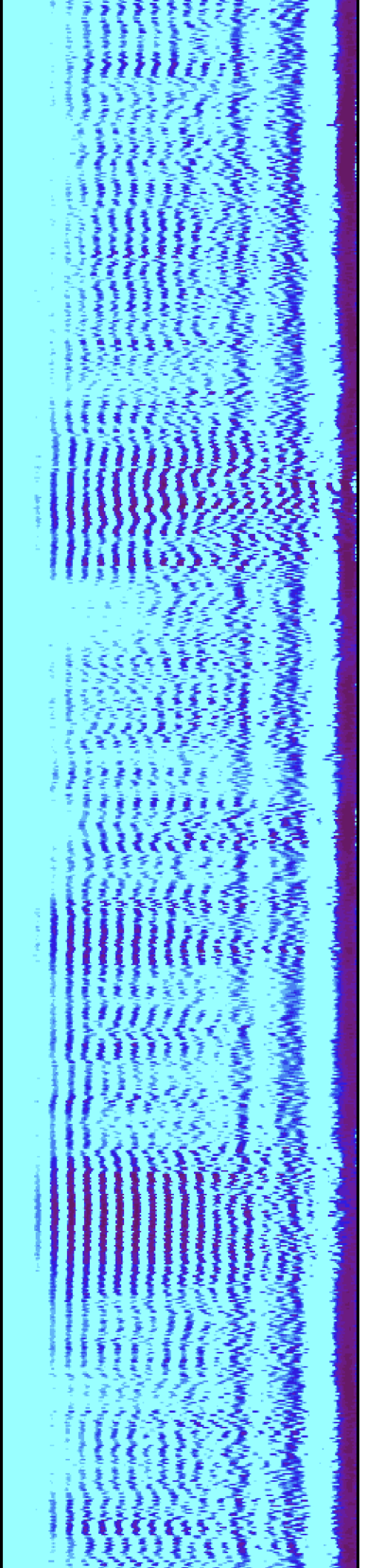
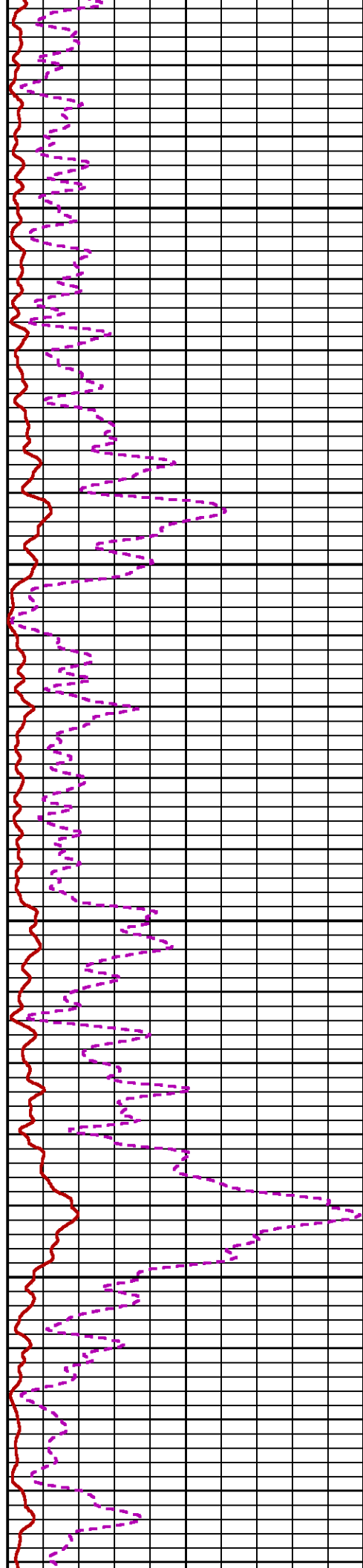
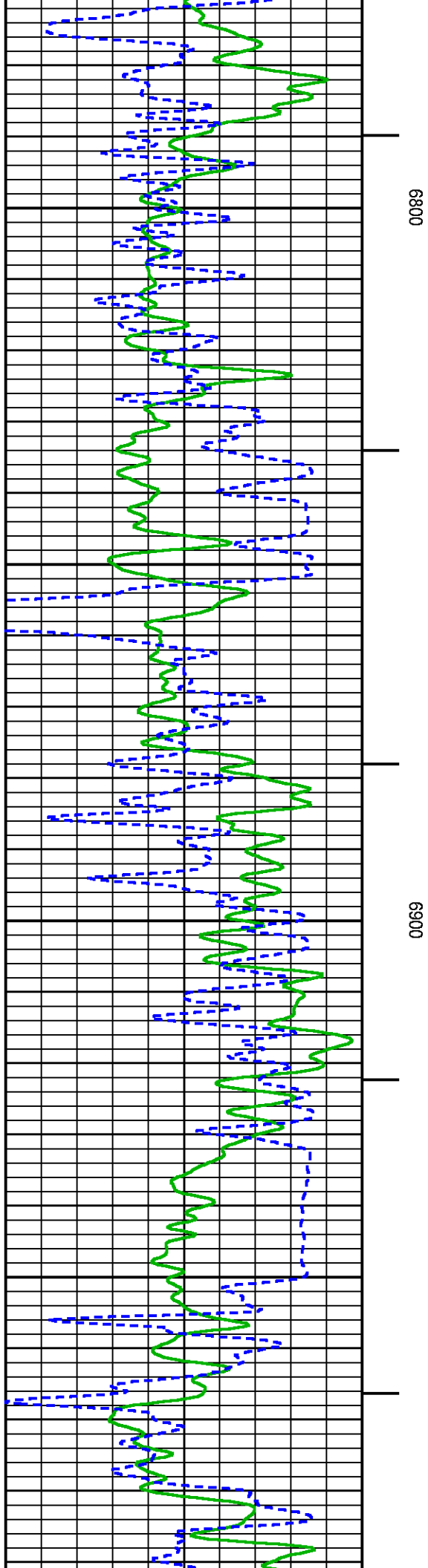


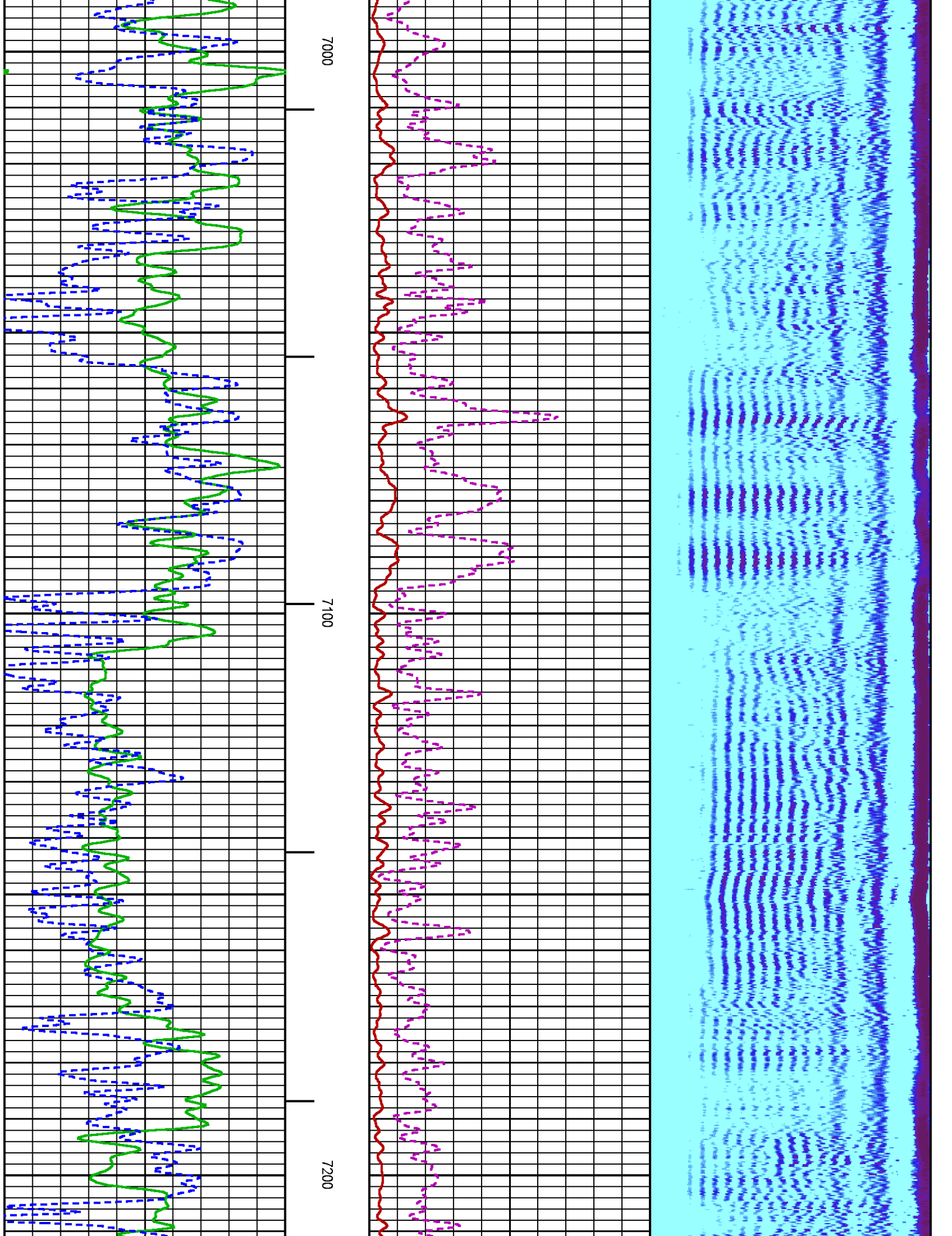


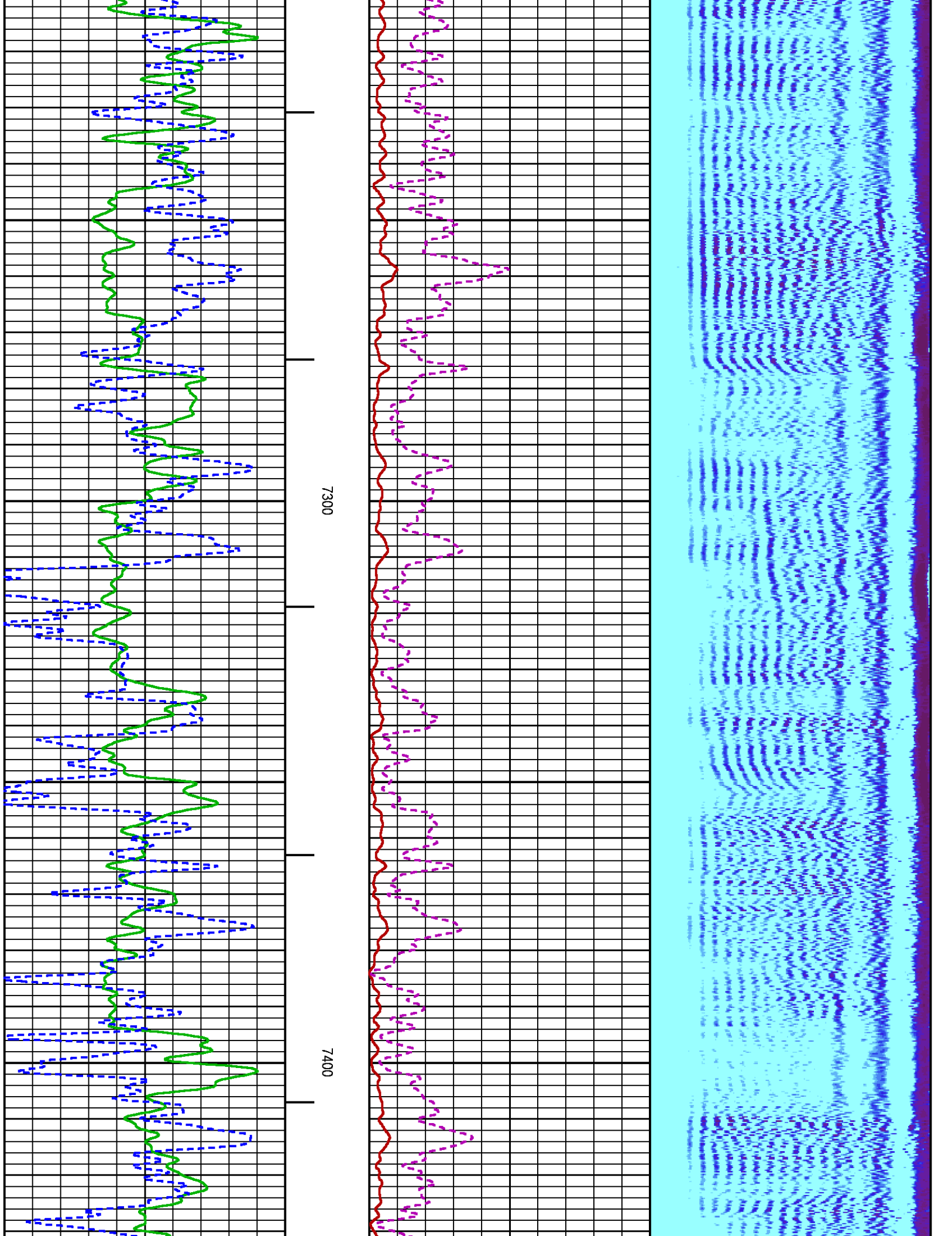


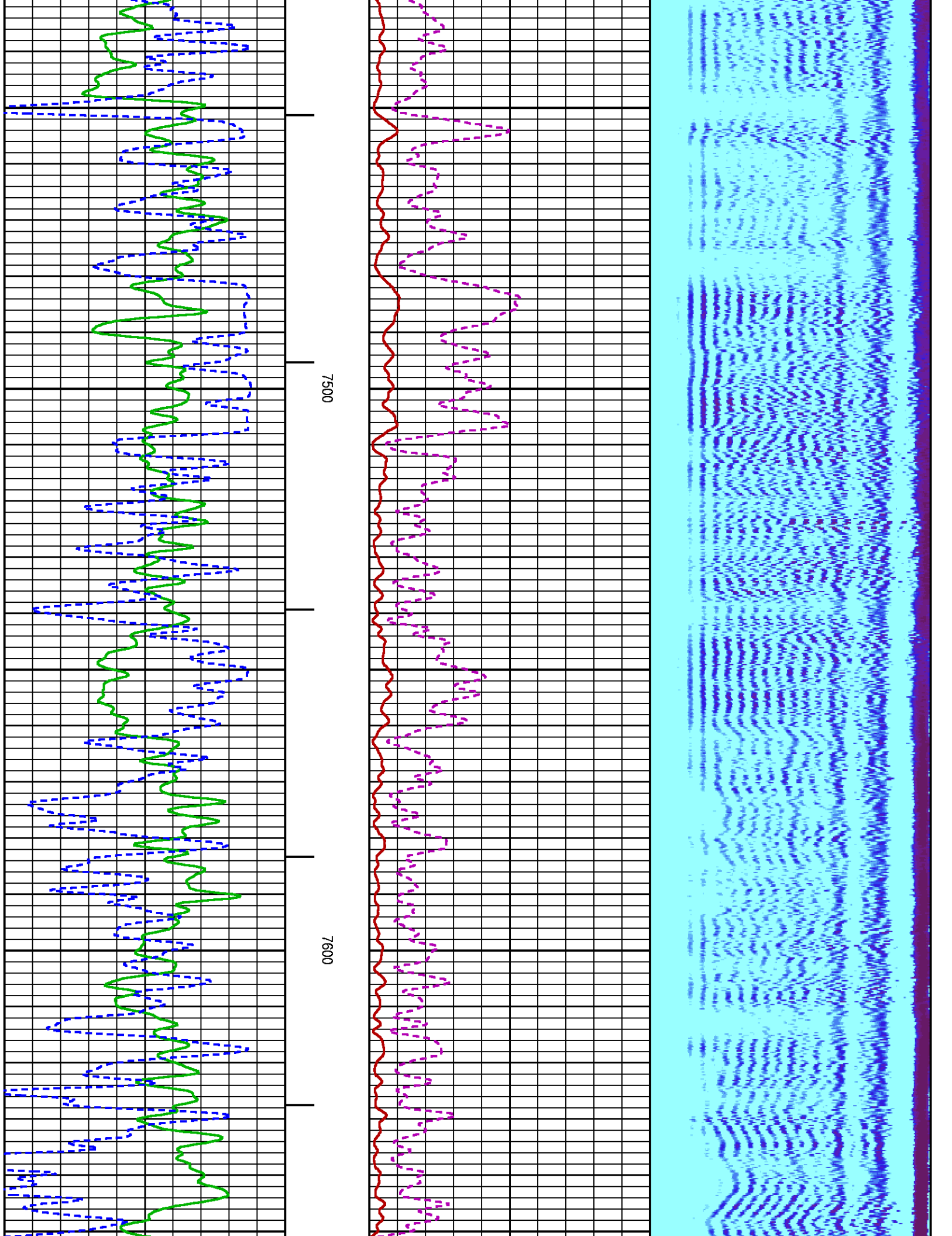


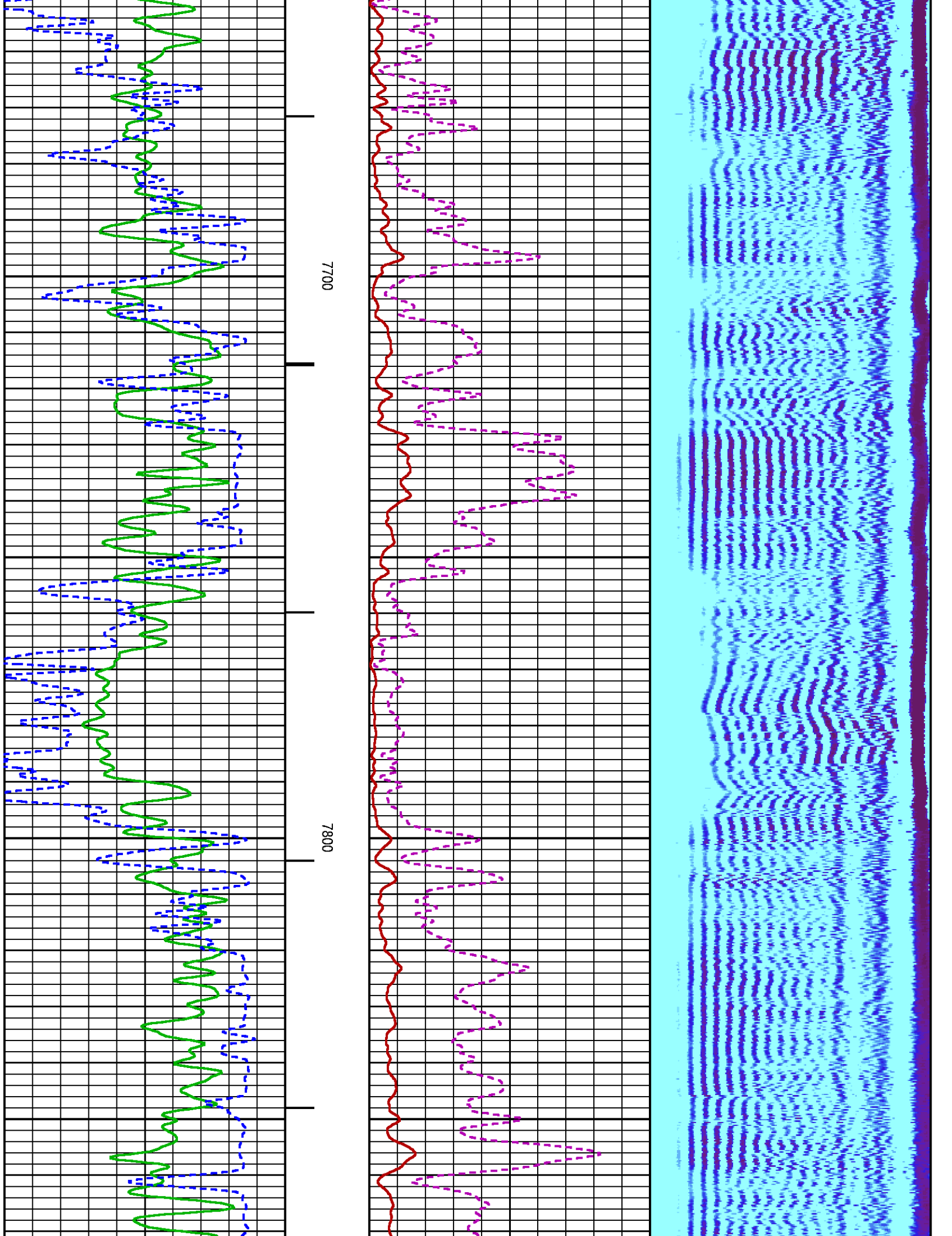


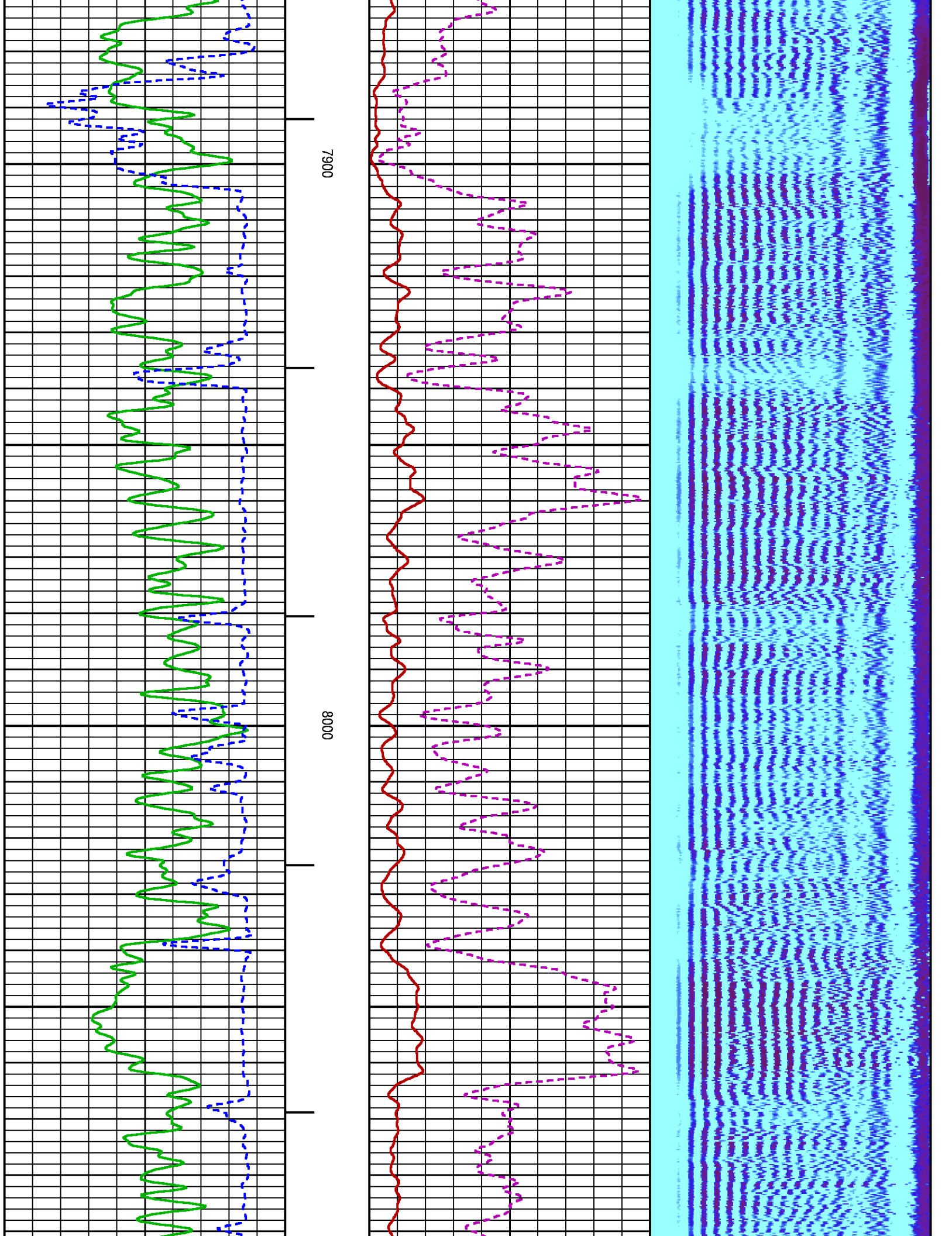


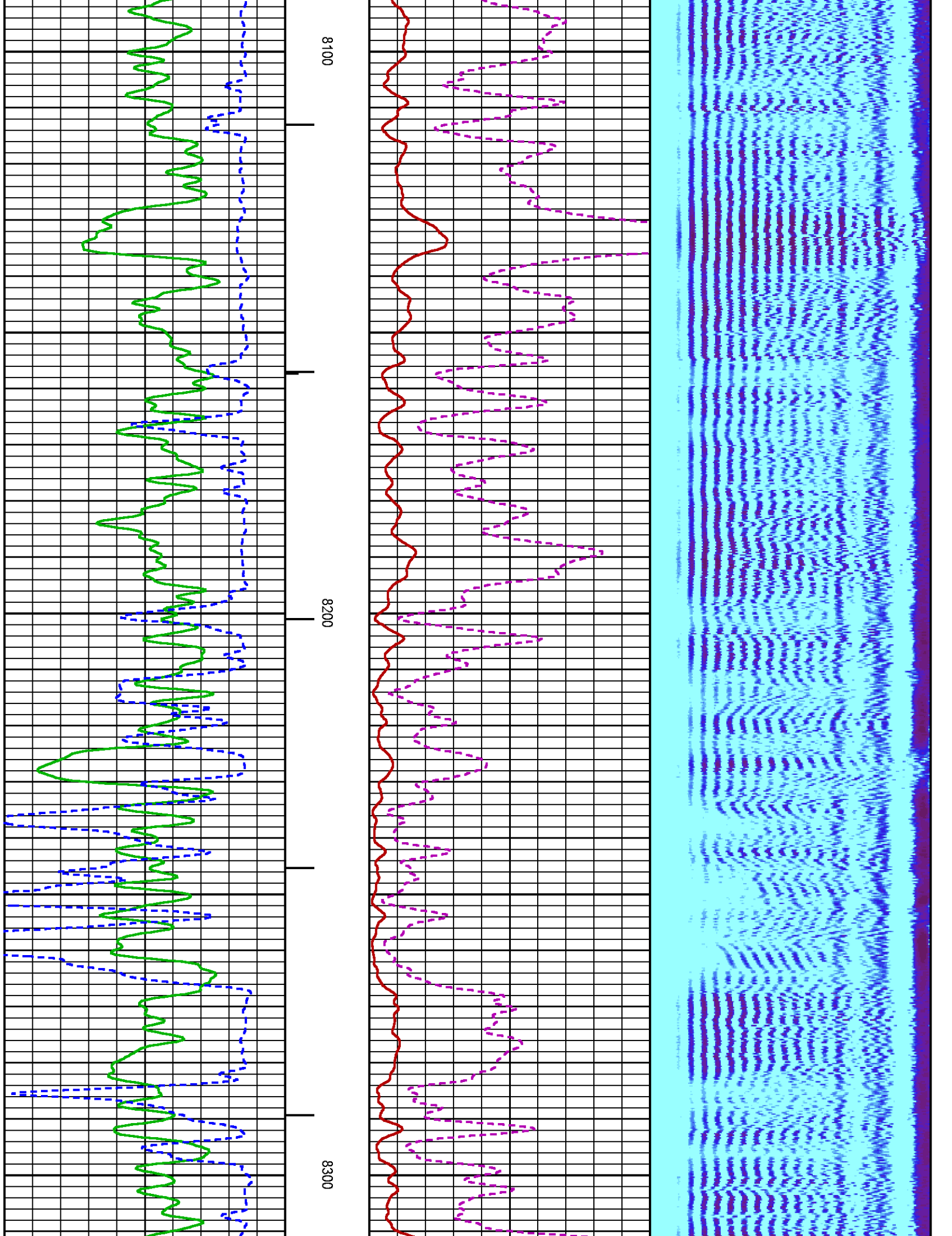


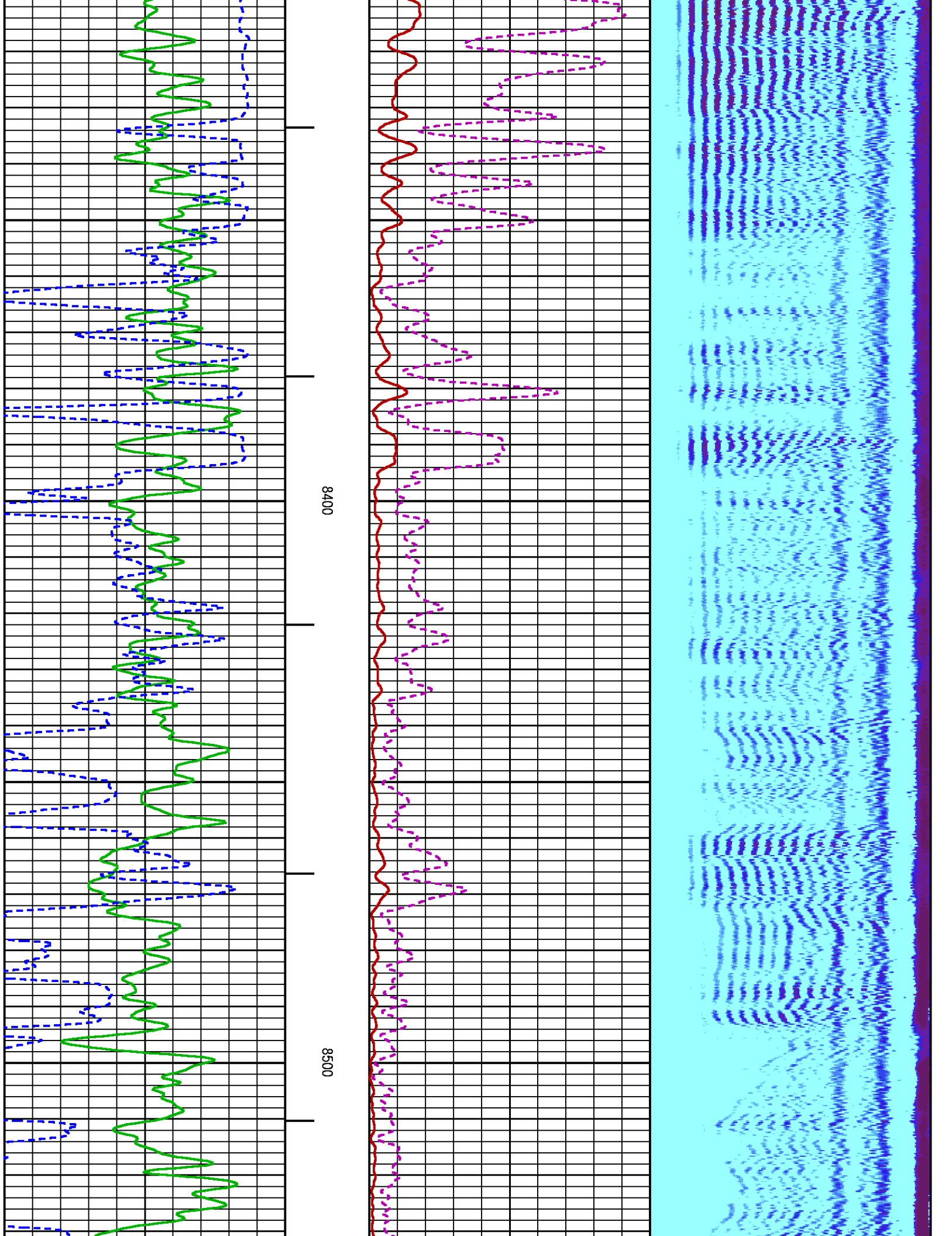


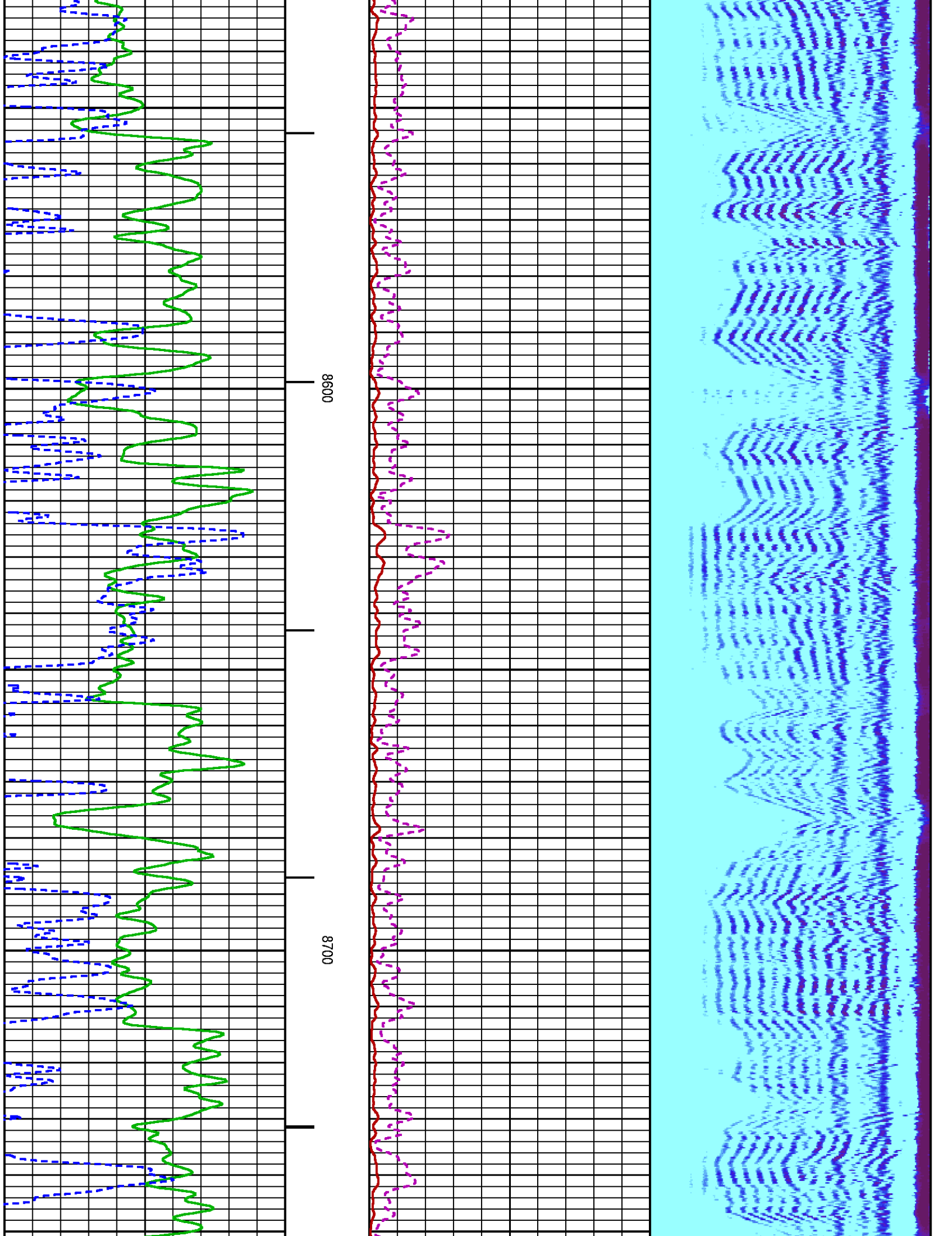


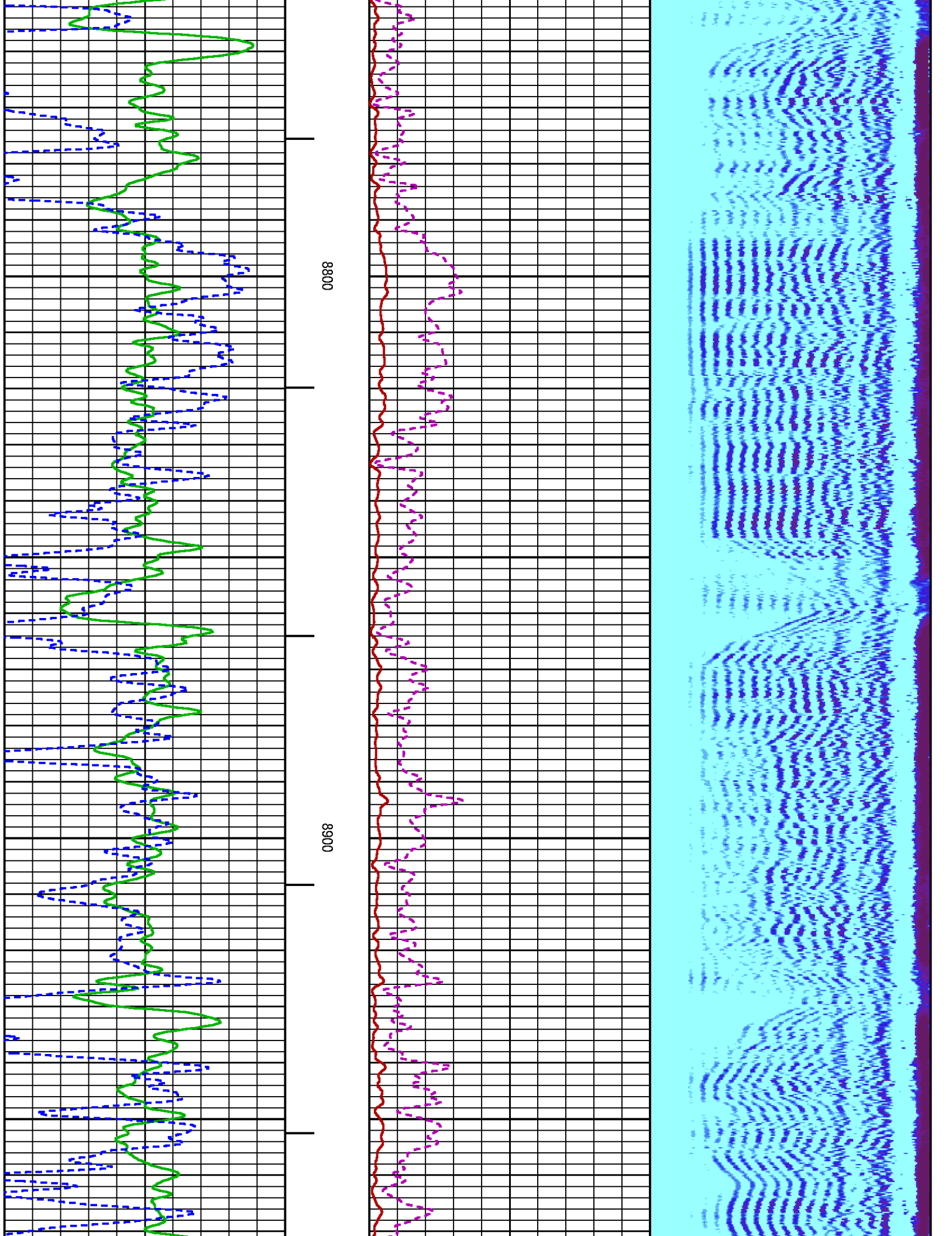


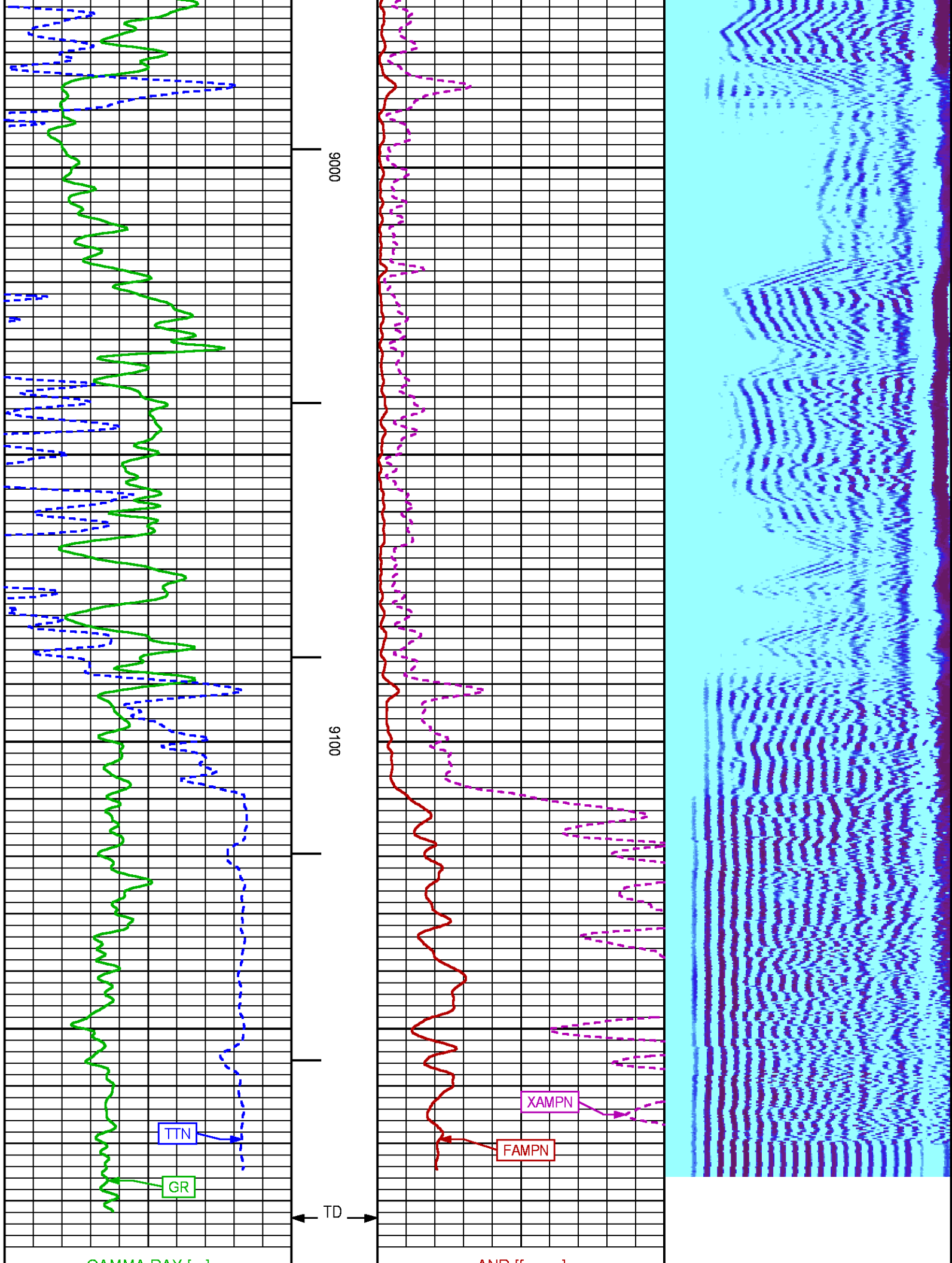


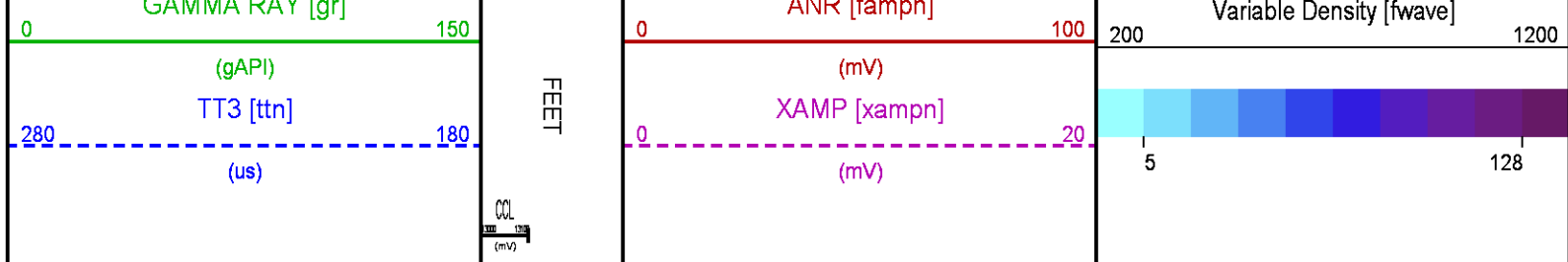












SECONDARY PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
 Updates: 1 Patches: 4

Plotted: Wed Mar 4 13:19:57 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH095176/n012e02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 27.750 ft BOTTOM DEPTH: 9193.229 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	187	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	187	us	"	"
	AMP WINDOW START (fgp3*)	187	us	"	"
	AMP WINDOW START (fgp4*)	187	us	"	"
	AMP WINDOW START (fgp5*)	187	us	"	"
	AMP WINDOW START (fgp6*)	187	us	"	"
	AMP WINDOW START (fgp7*)	187	us	"	"
	AMP WINDOW START (fgp8*)	187	us	"	"
	AMP WINDOW START (fgpn*)	187	us	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	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*)	-67	us	"	"
	TOOL DELAY (str2*)	-67	us	"	"
	TOOL DELAY (str3*)	-67	us	"	"
	TOOL DELAY (str4*)	-67	us	"	"
	TOOL DELAY (str5*)	-67	us	"	"
	TOOL DELAY (str6*)	-67	us	"	"
	TOOL DELAY (str7*)	-67	us	"	"
	TOOL DELAY (str8*)	-67	us	"	"
BASELINE NOISE (NEAR)	TOOL DELAY (strn*)	-67	us	"	"
	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

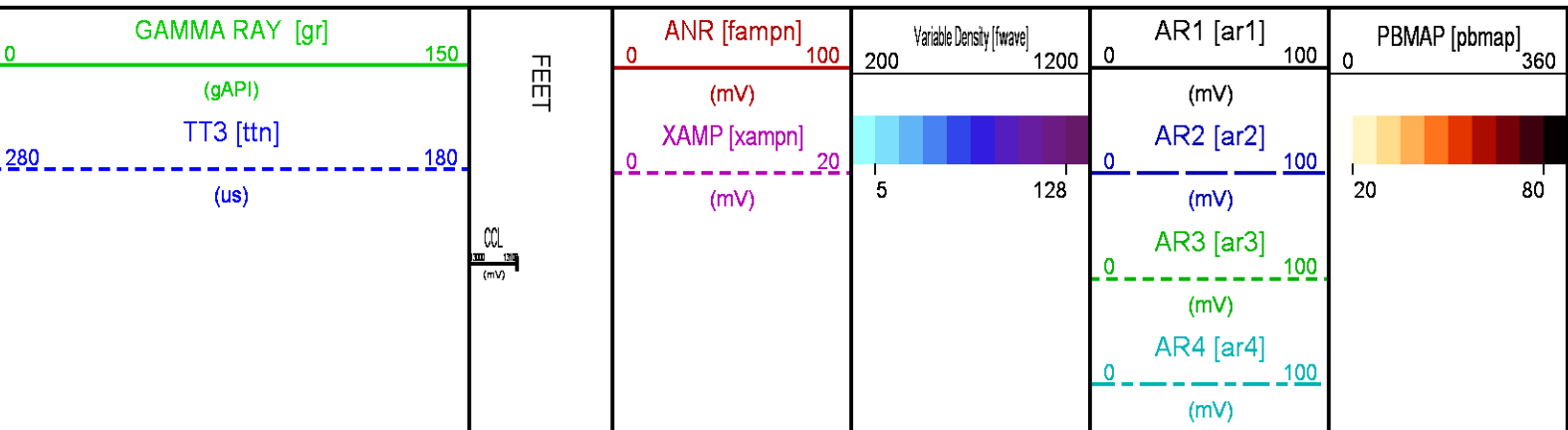
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Mar 4 10:30:11 2015	CASING COLLAR LOCATOR
F1:FAMPN	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Mar 4 10:30:11 2015	FAR WAVE FORM
F1:GR	Mar 4 10:30:11 2015	GAMMA RAY
F1:PBMAP	Mar 4 10:30:11 2015	PERCENT BOND CEMENT MAP
F1:TTN	Mar 4 10:30:11 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Mar 4 10:30:11 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

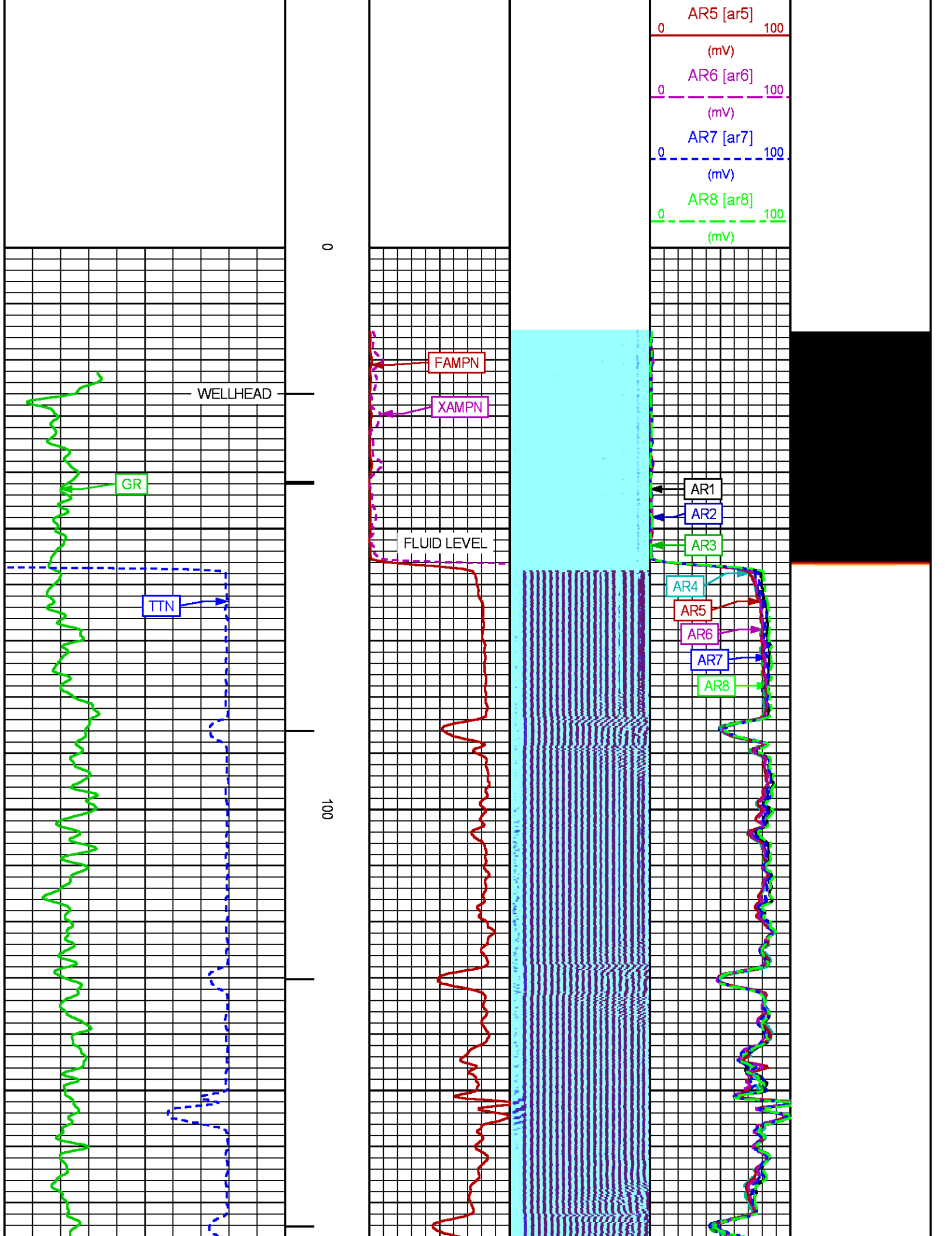
CURVE MEASURE POINT OFFSET

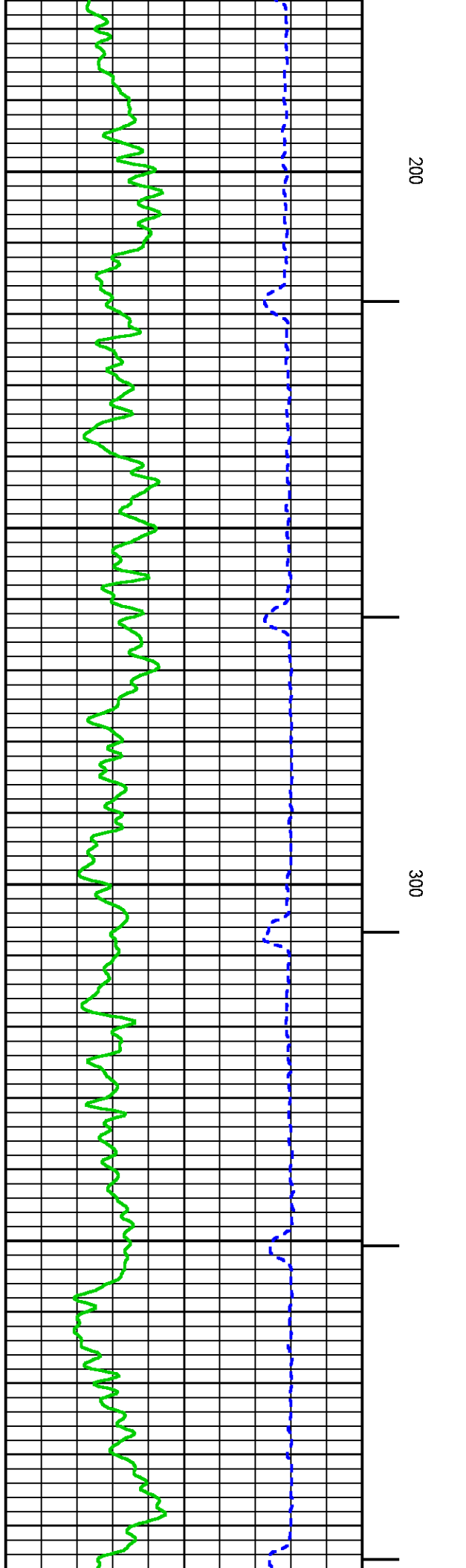
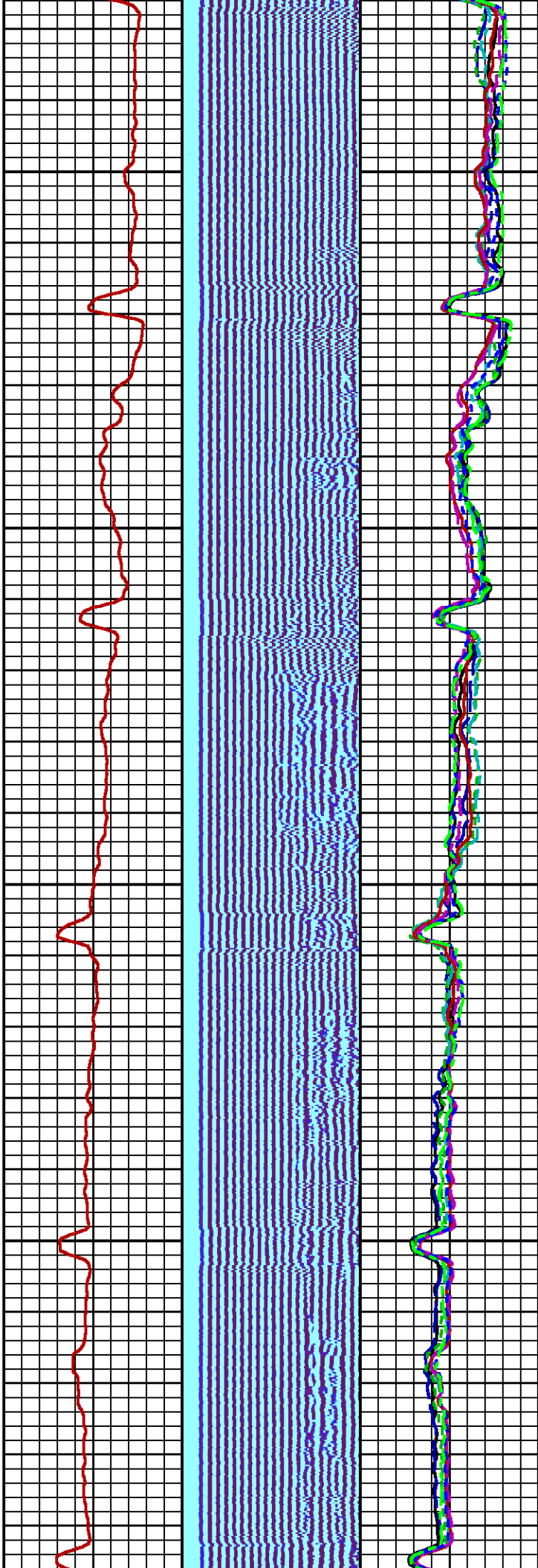
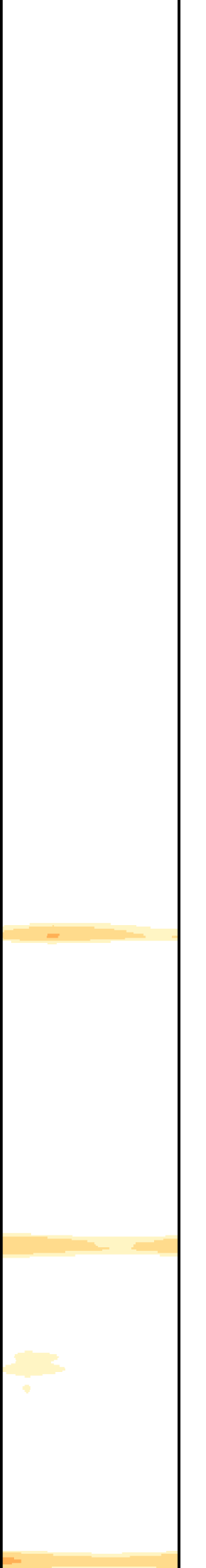
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	13.75	AR5	13.75	CCL	8.50	XAMPN	13.75
AR2	13.75	AR6	13.75	FAMPN	13.75		
AR3	13.75	AR7	13.75	GR	6.50		
AR4	13.75	AR8	13.75	TTN	13.75		

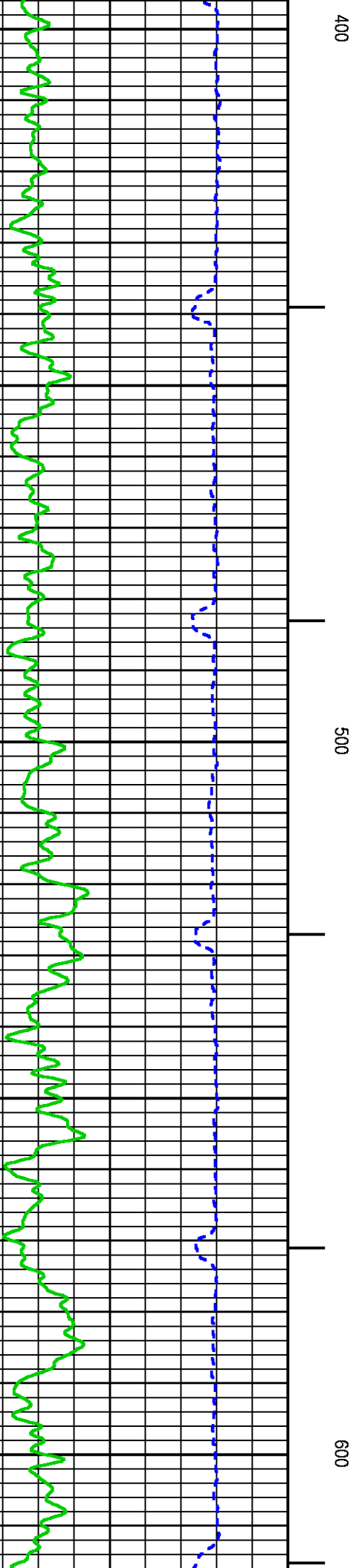
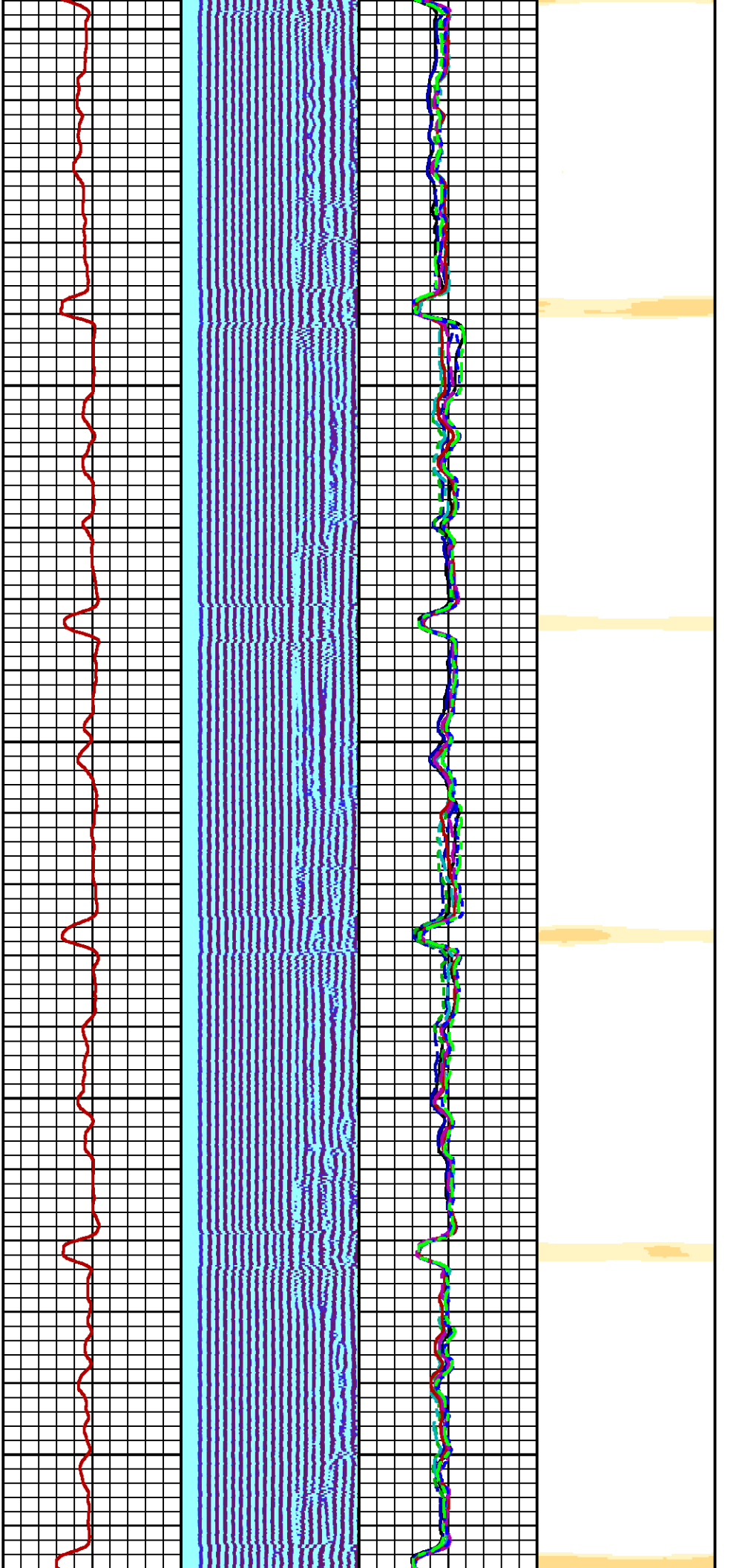
Presentation : HL6670:/dat1a/CH095176/531CBL_SECONDARY.fvpdf [5"/100" Scale]
Plot Interval : 0 - 9188 Feet

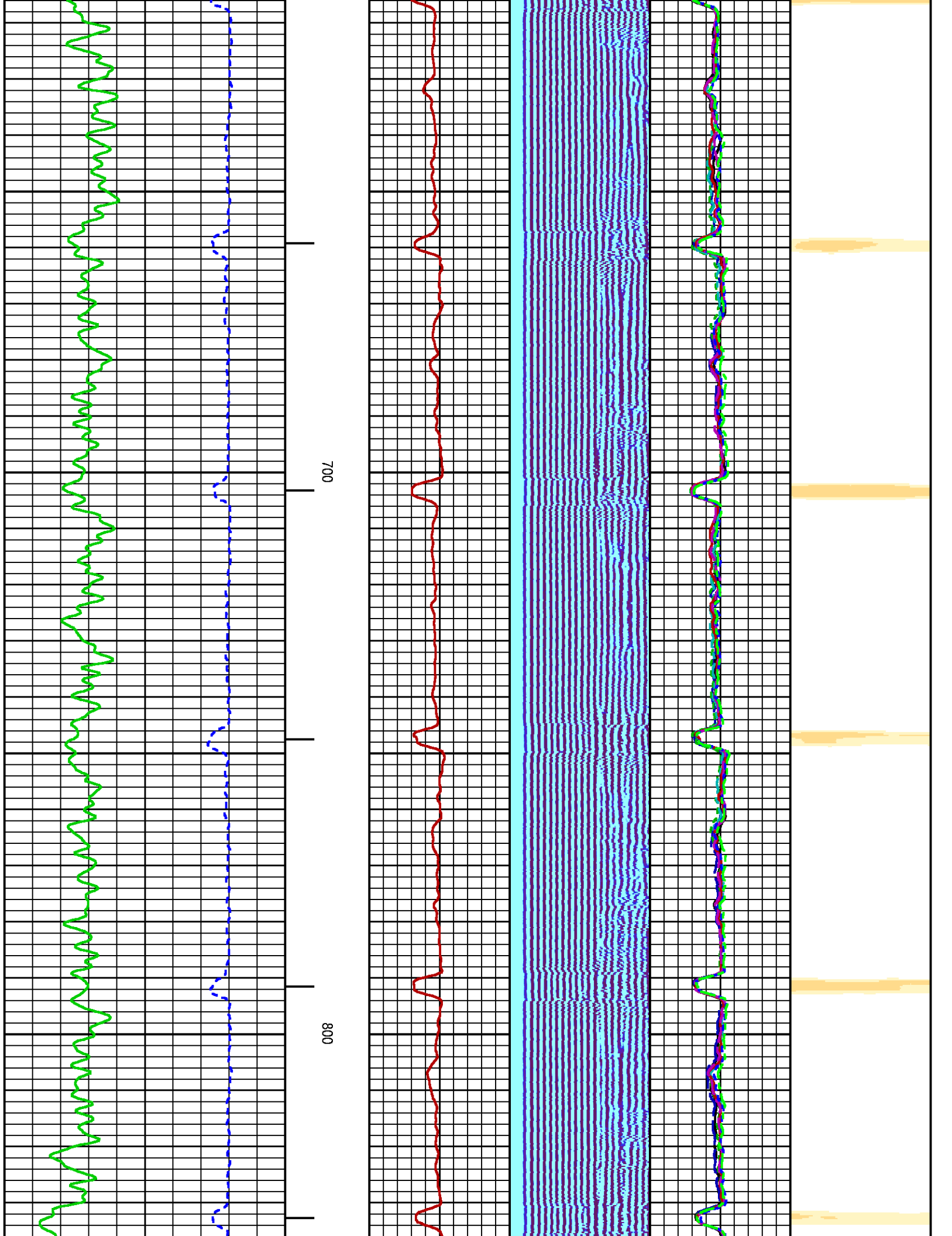
Data File 1 : F1 : HL6670:/dat1a/CH095176/531CBL_MAIN.xtf
Created On : Mar 4 10:30:11 2015
Company : WPX ENERGY
Well : MEAD RWF 531-23
Field : RULISON
File Interval : 13.75 - 9189.5 Feet
OCT : n012e

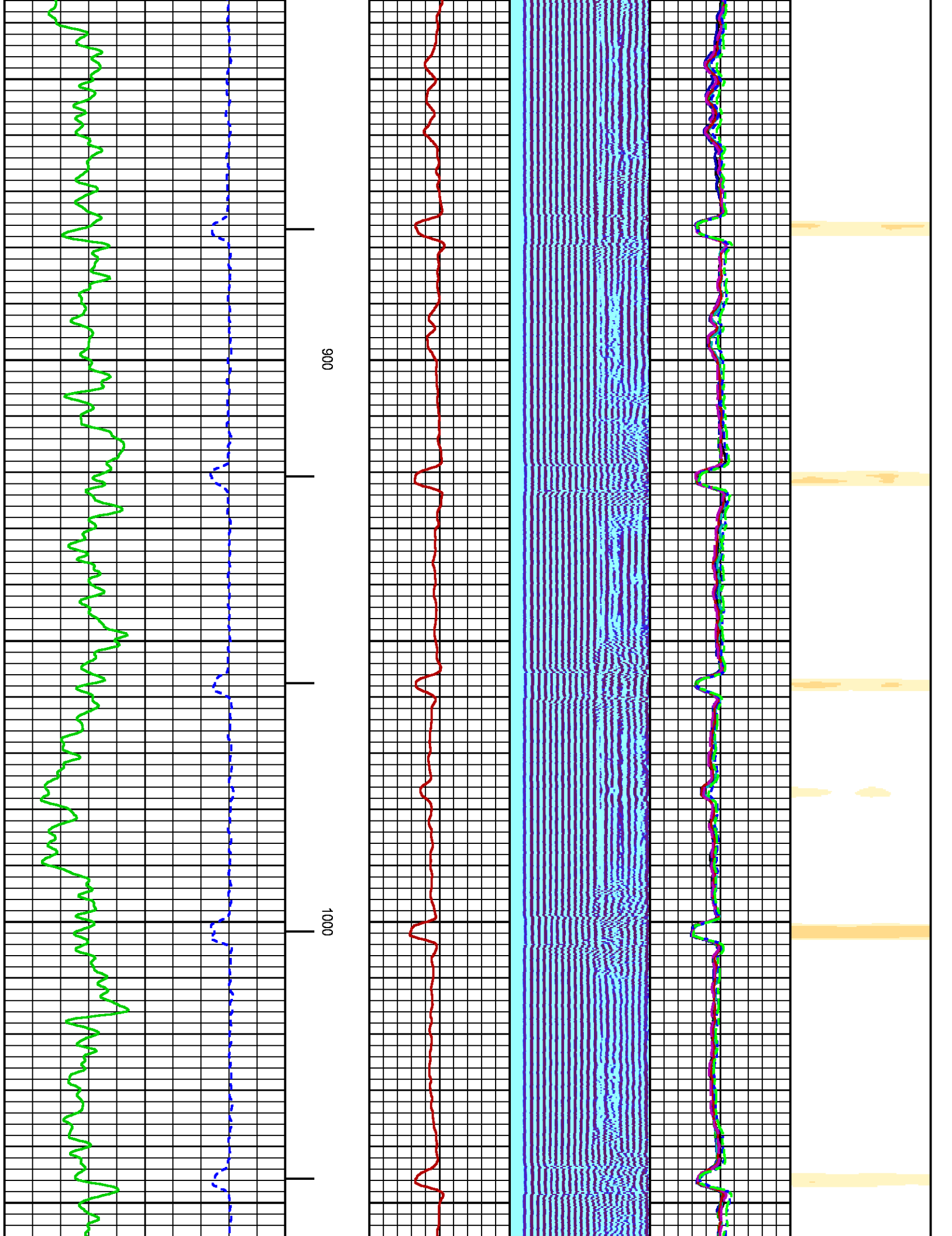


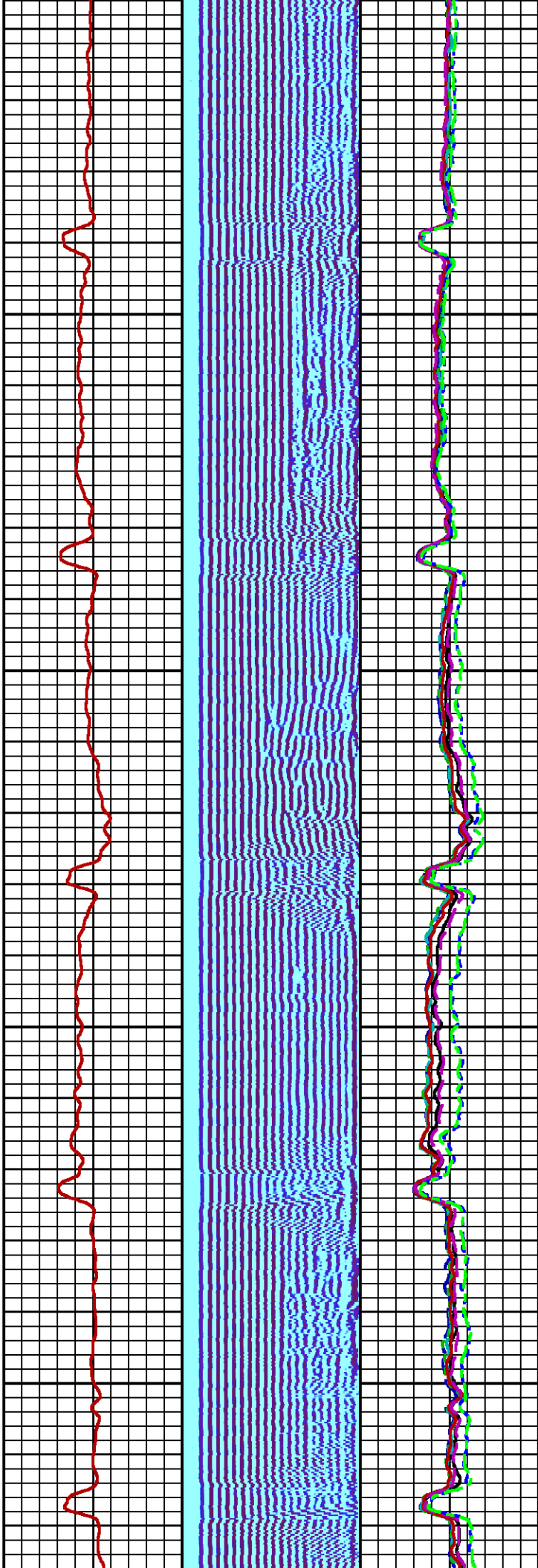
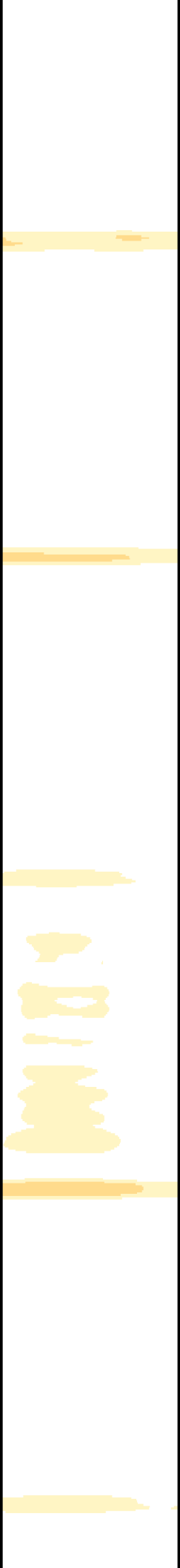






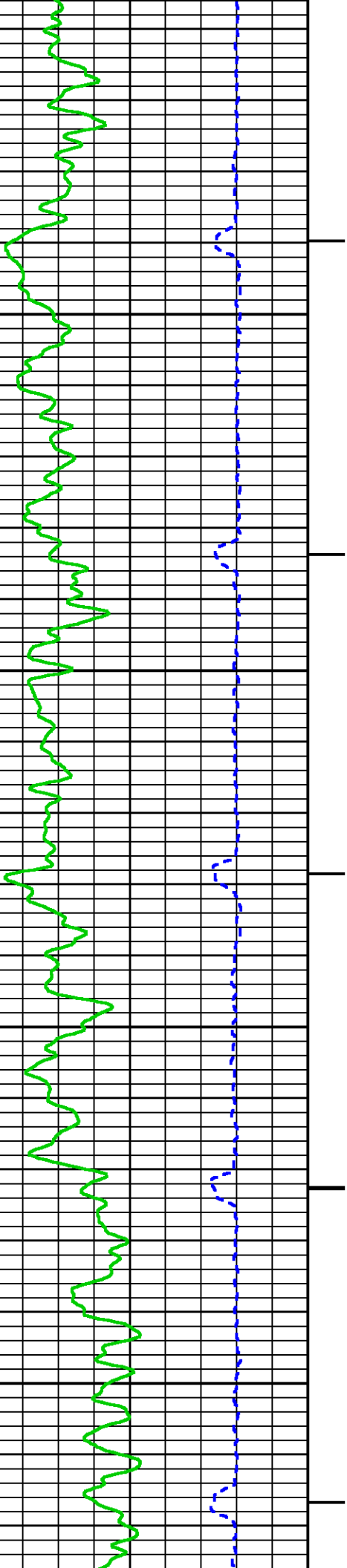


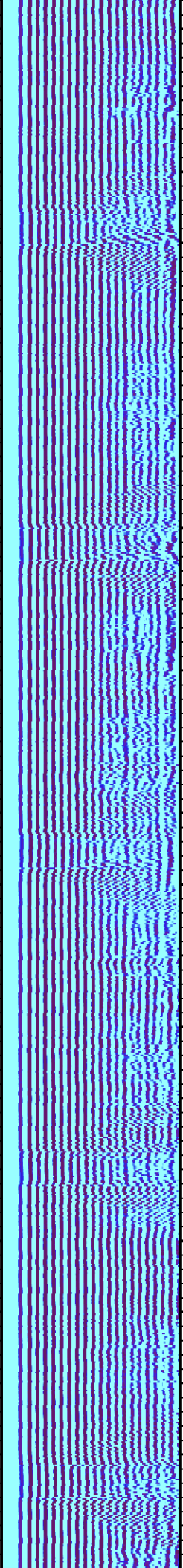
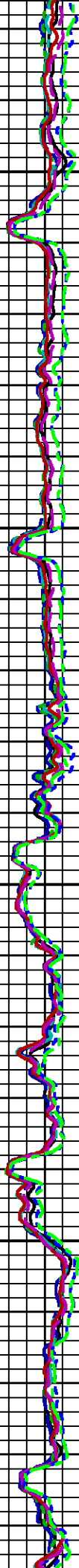
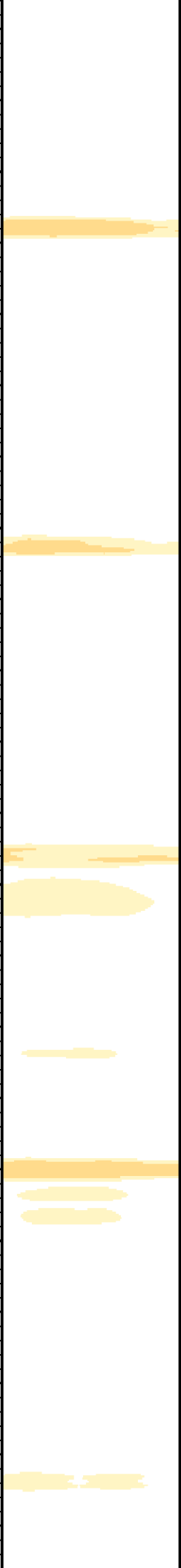




1100

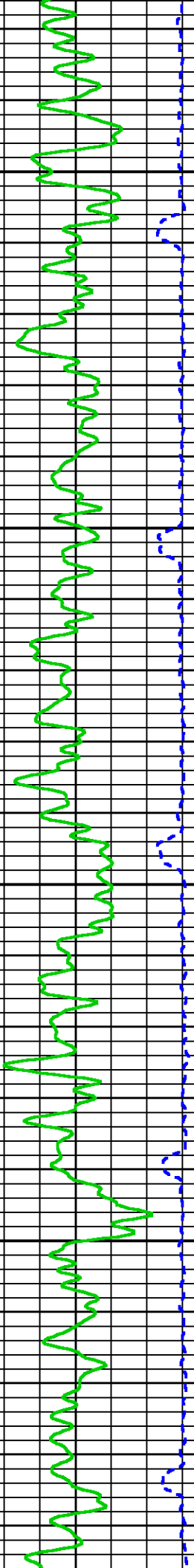
1200

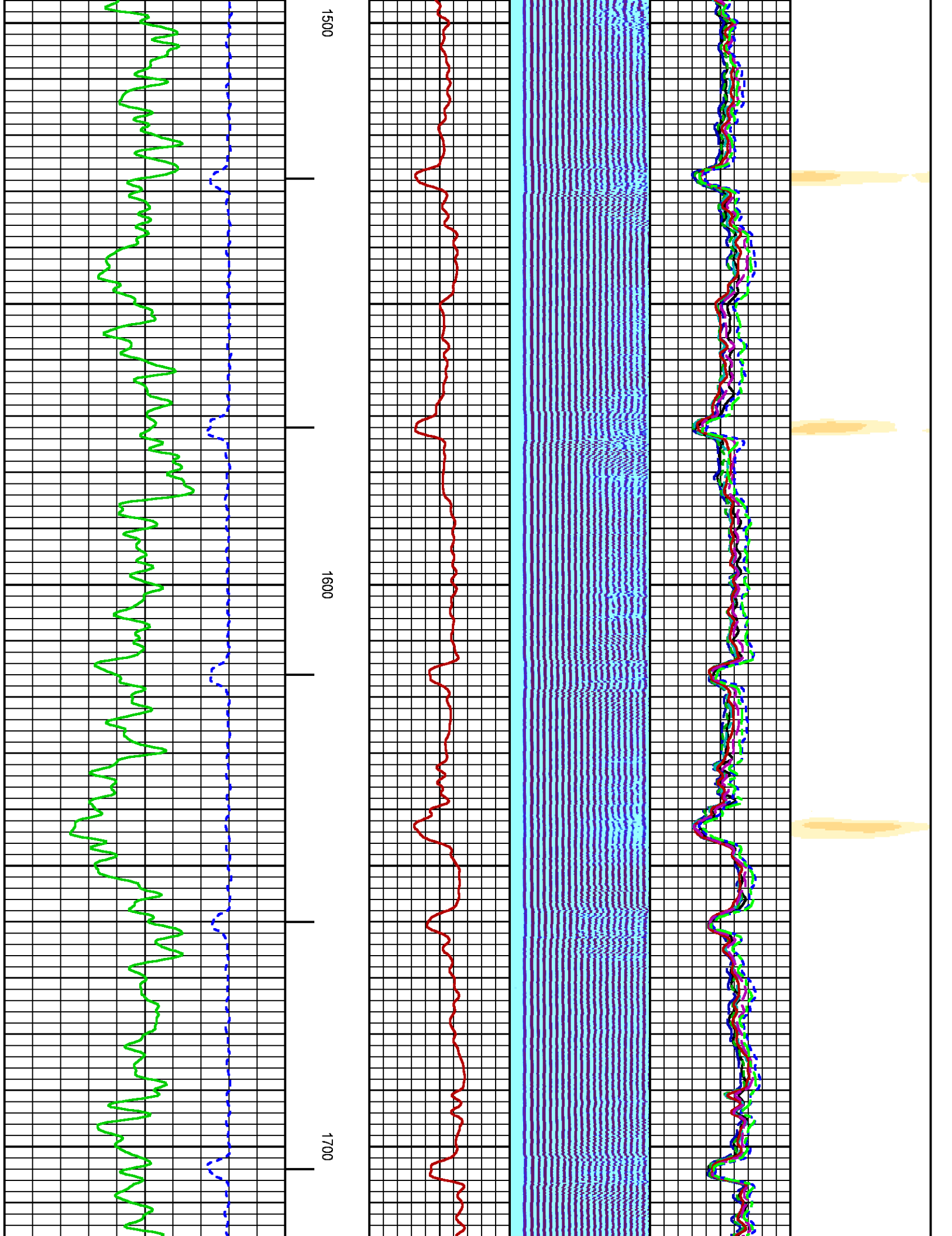


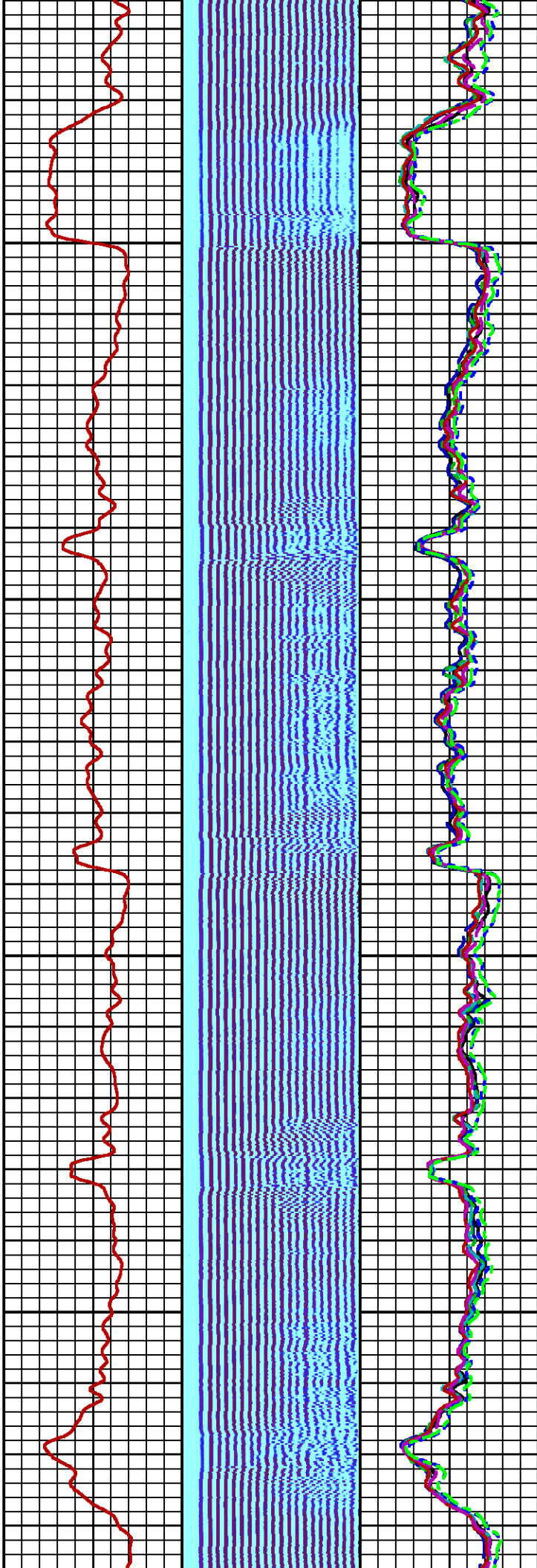
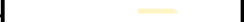


1300

1400

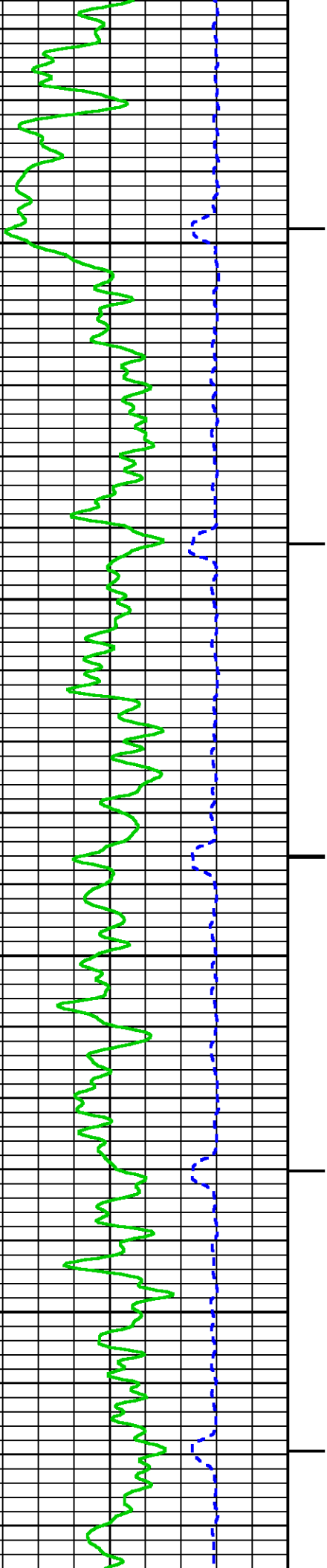


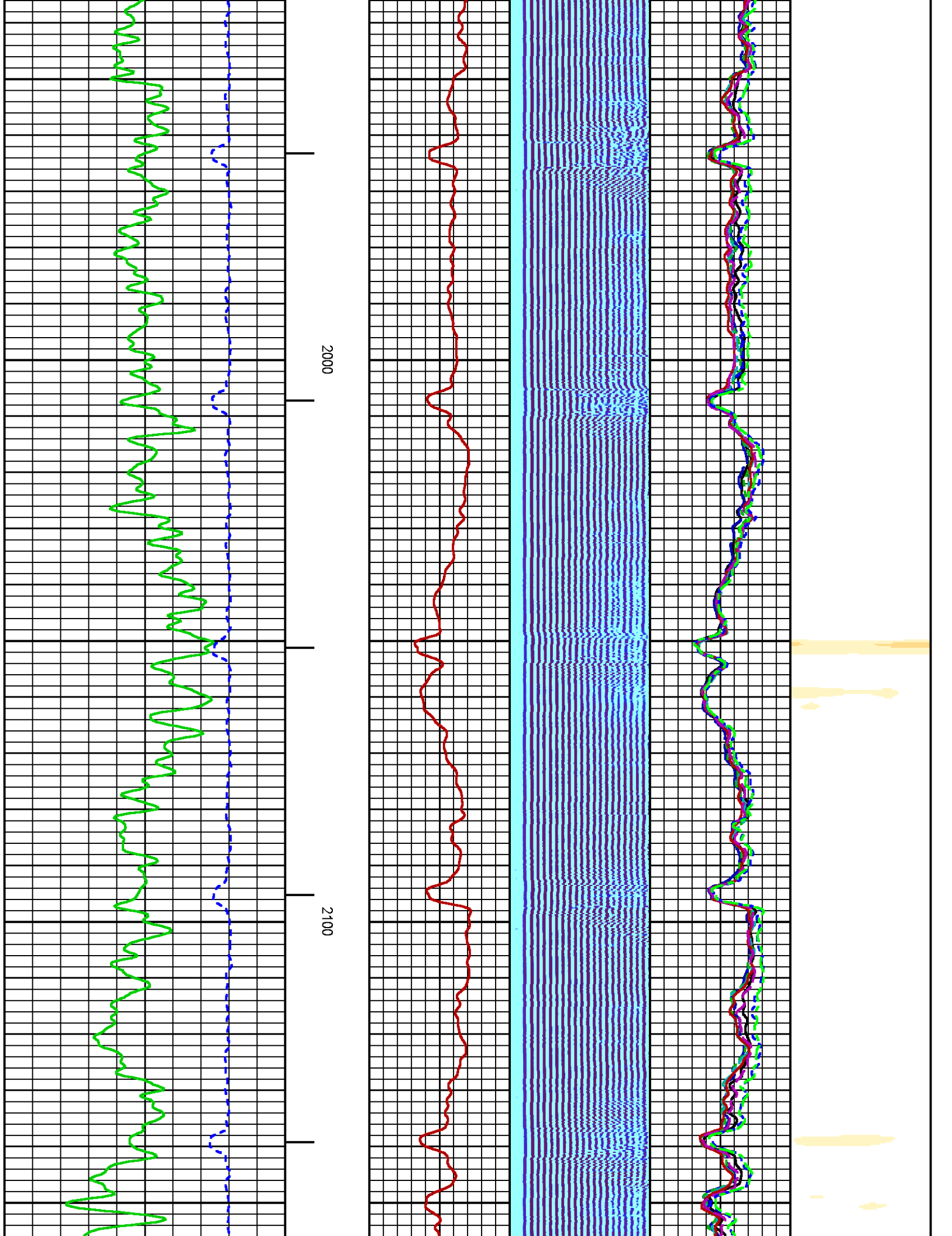


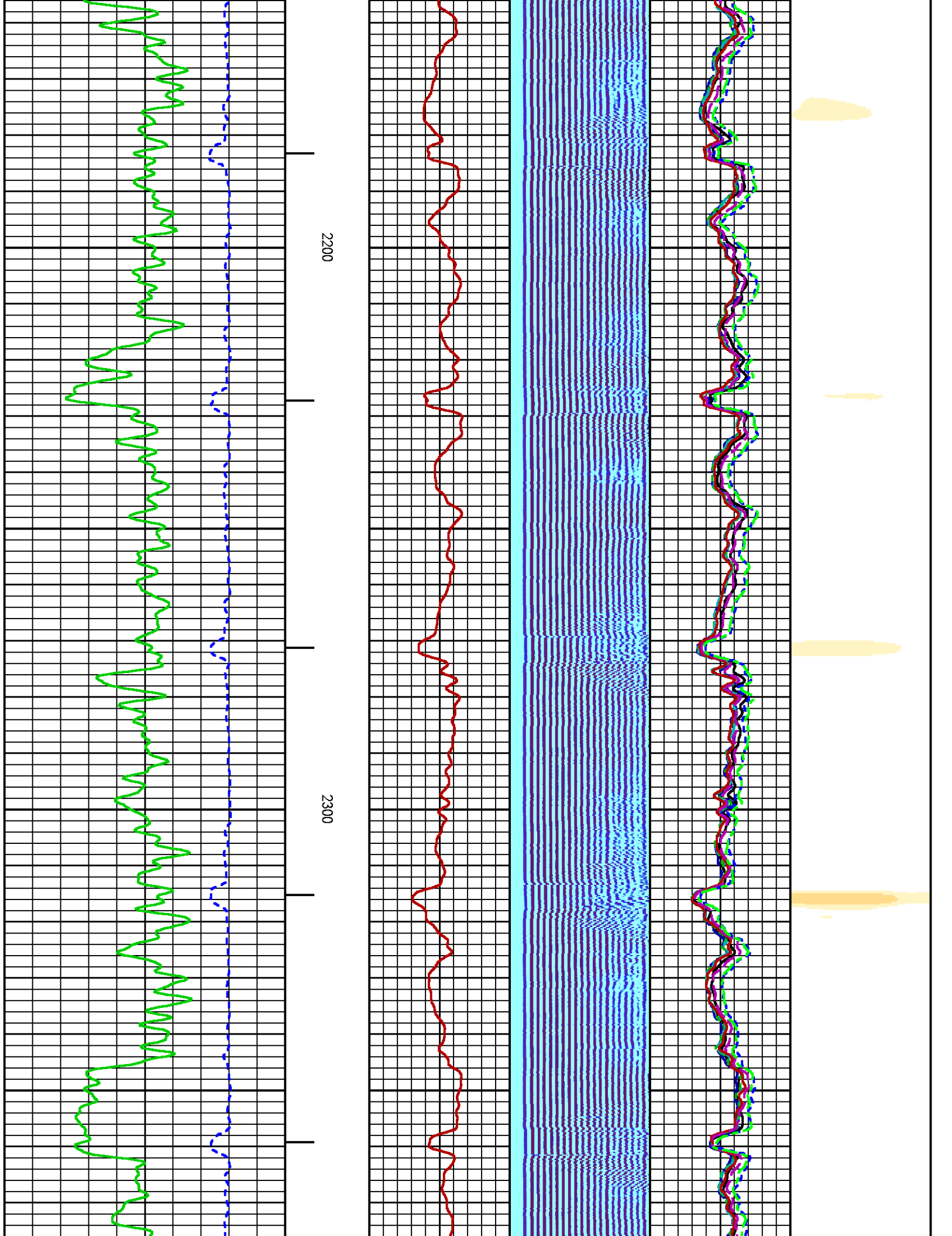


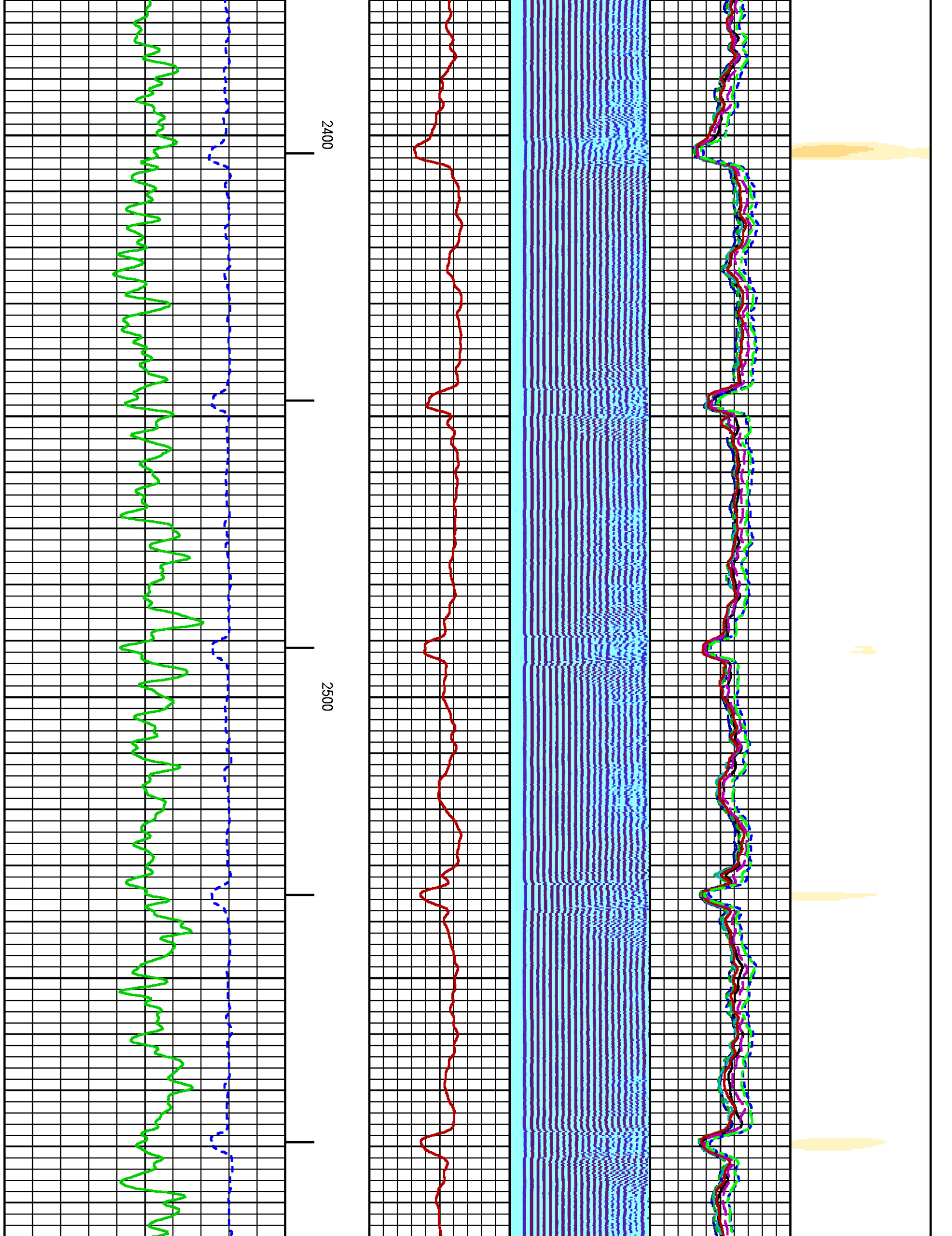
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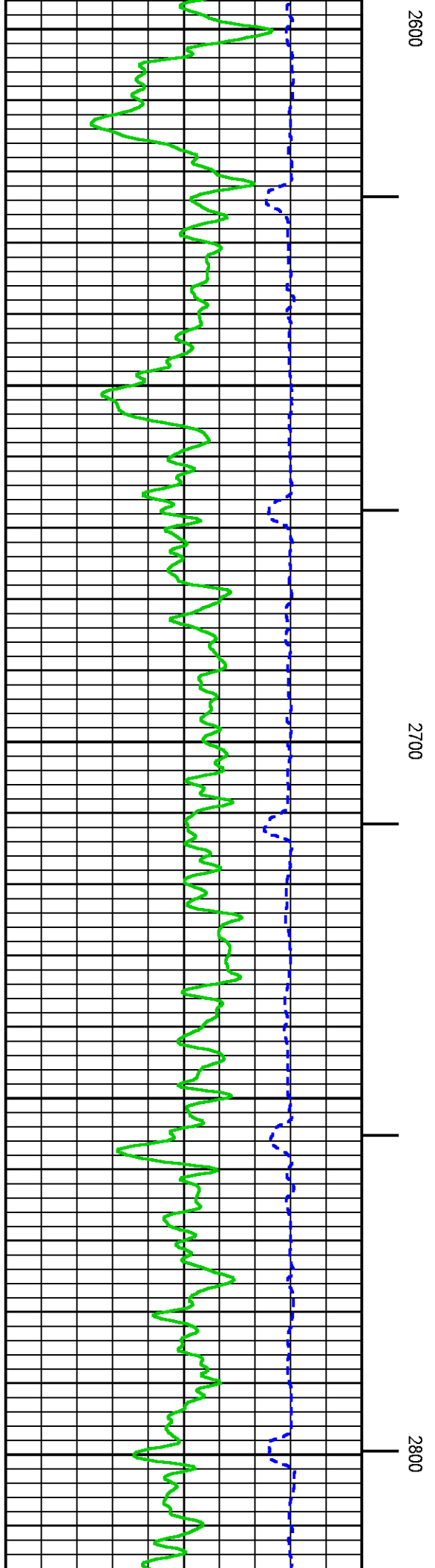
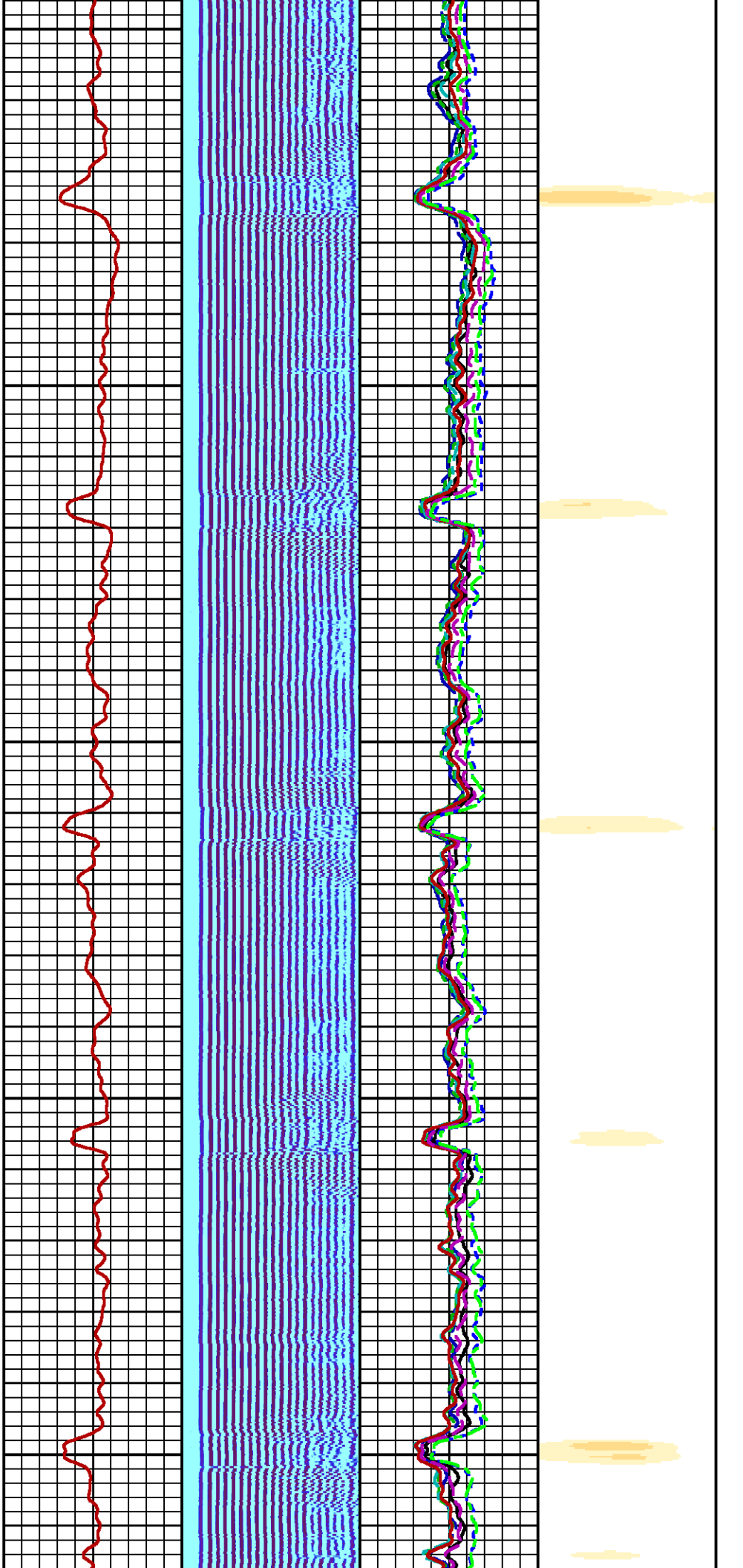
1900

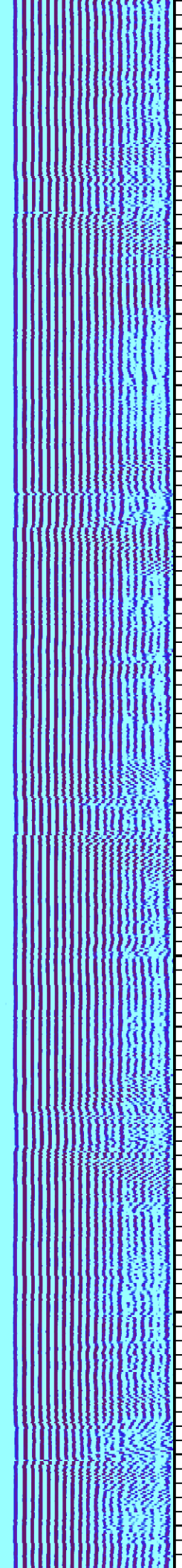
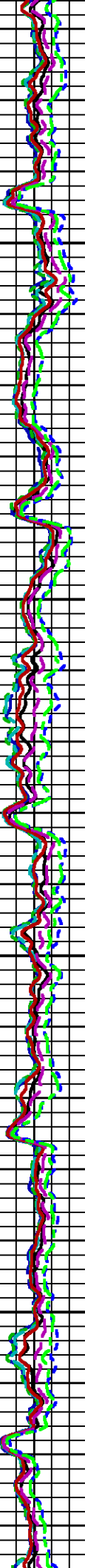








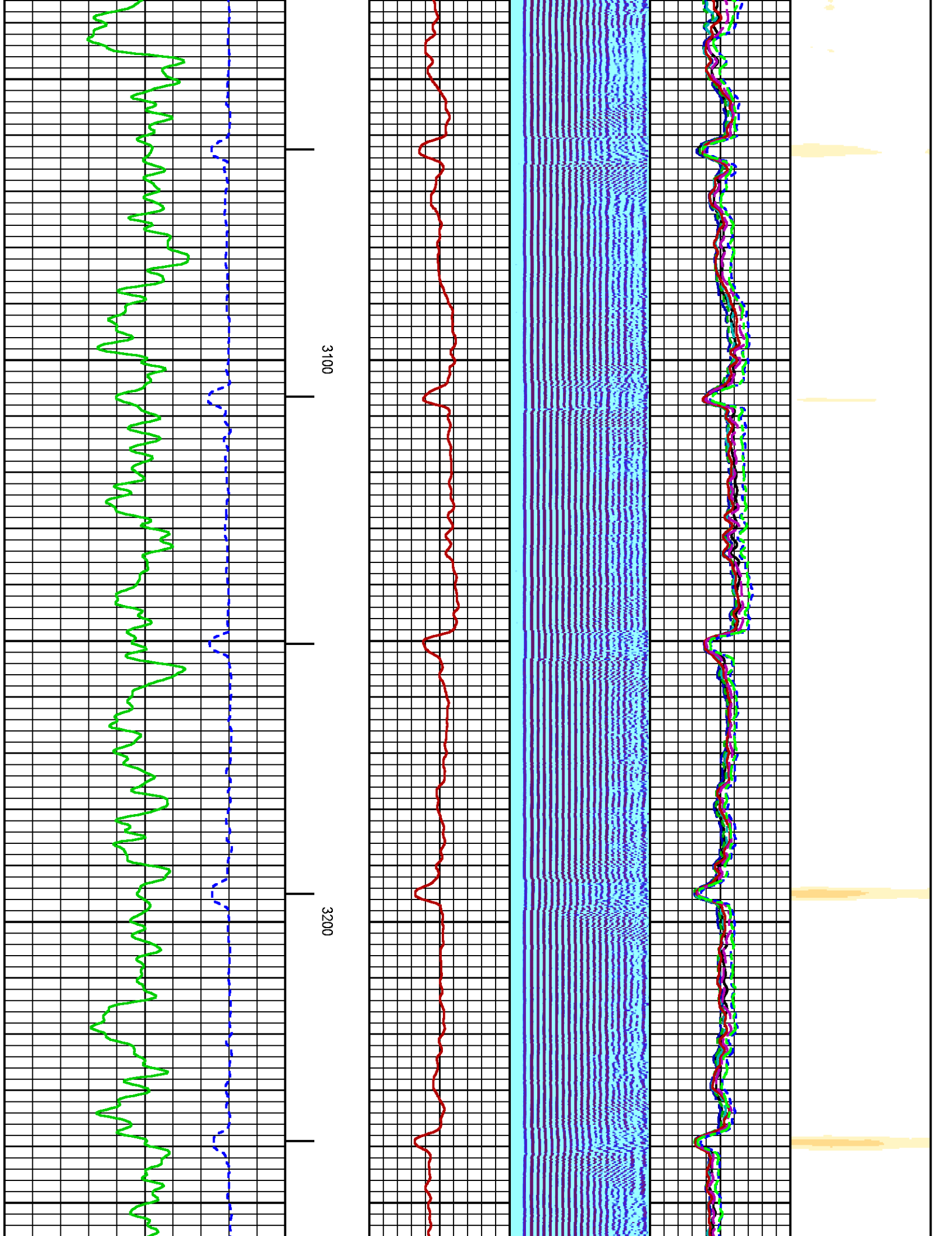


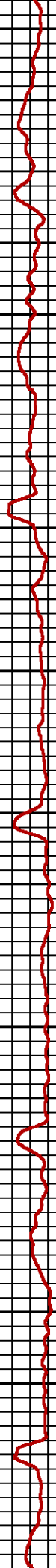
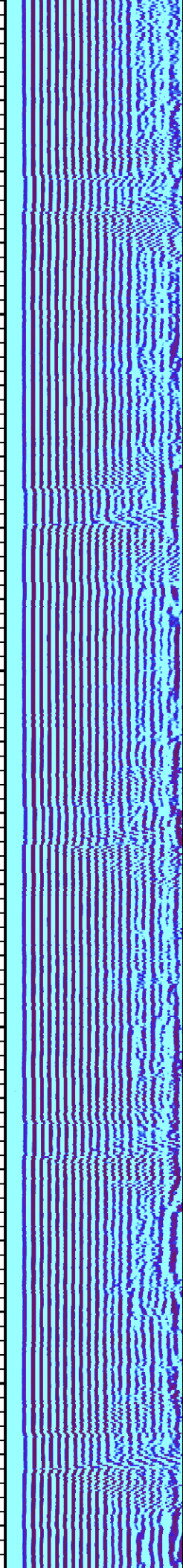
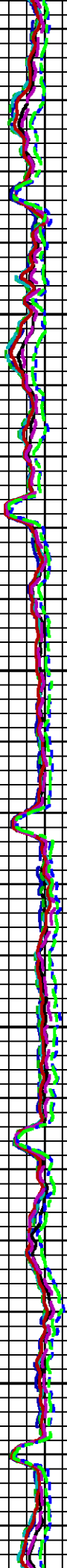
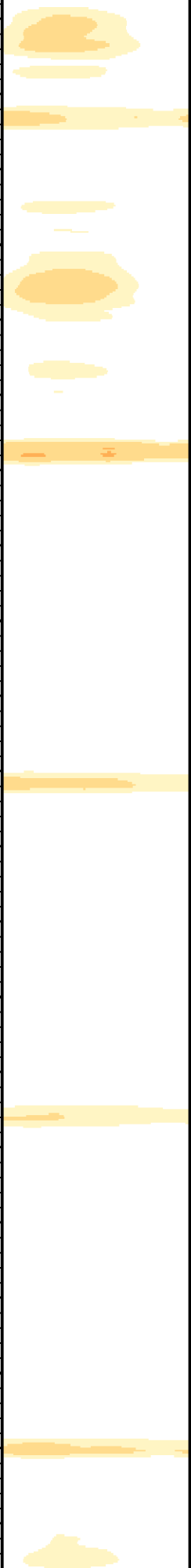


2900

3000

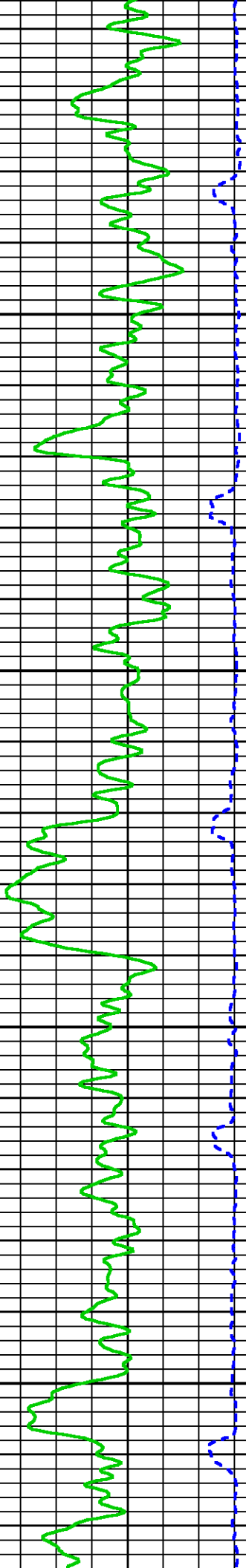


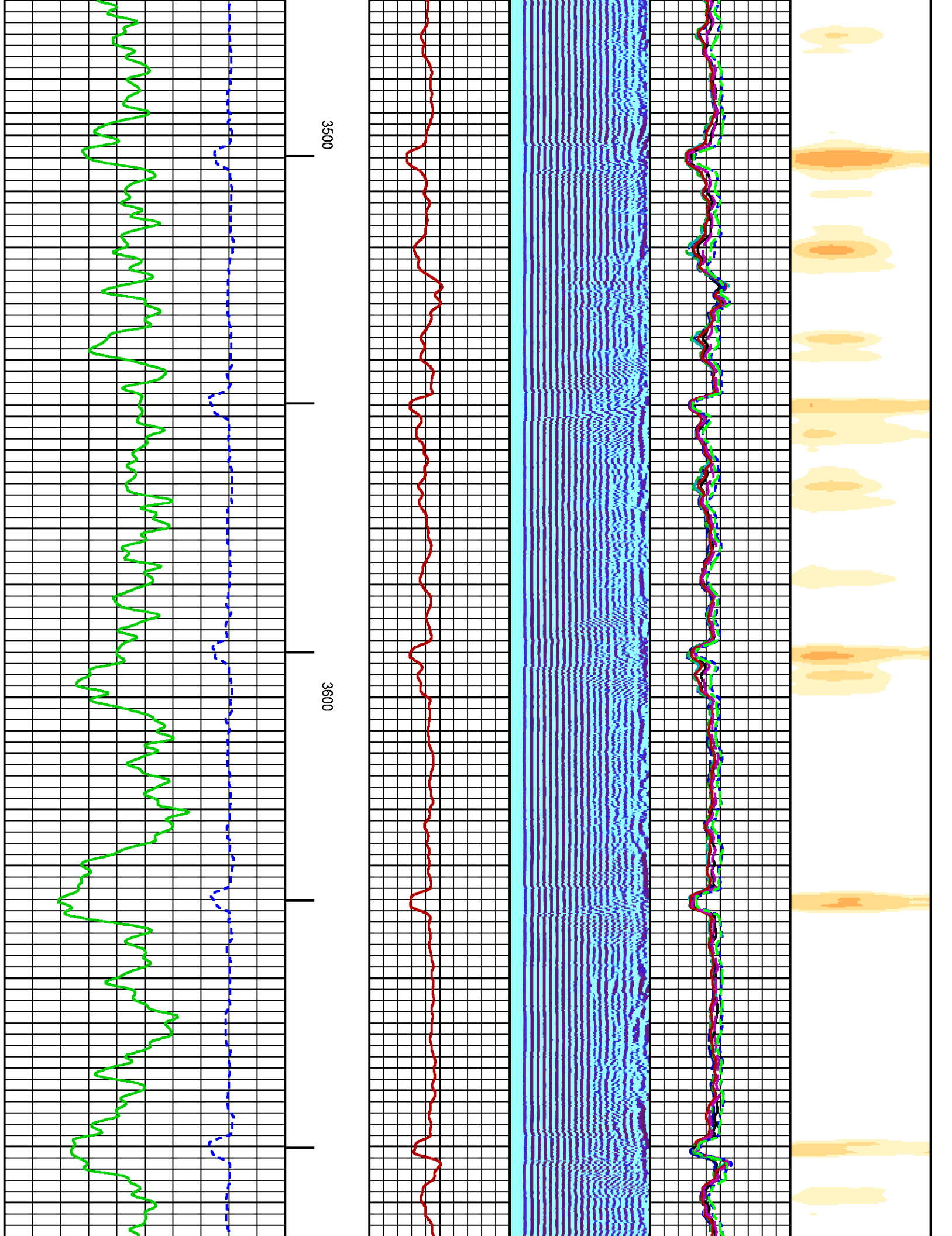


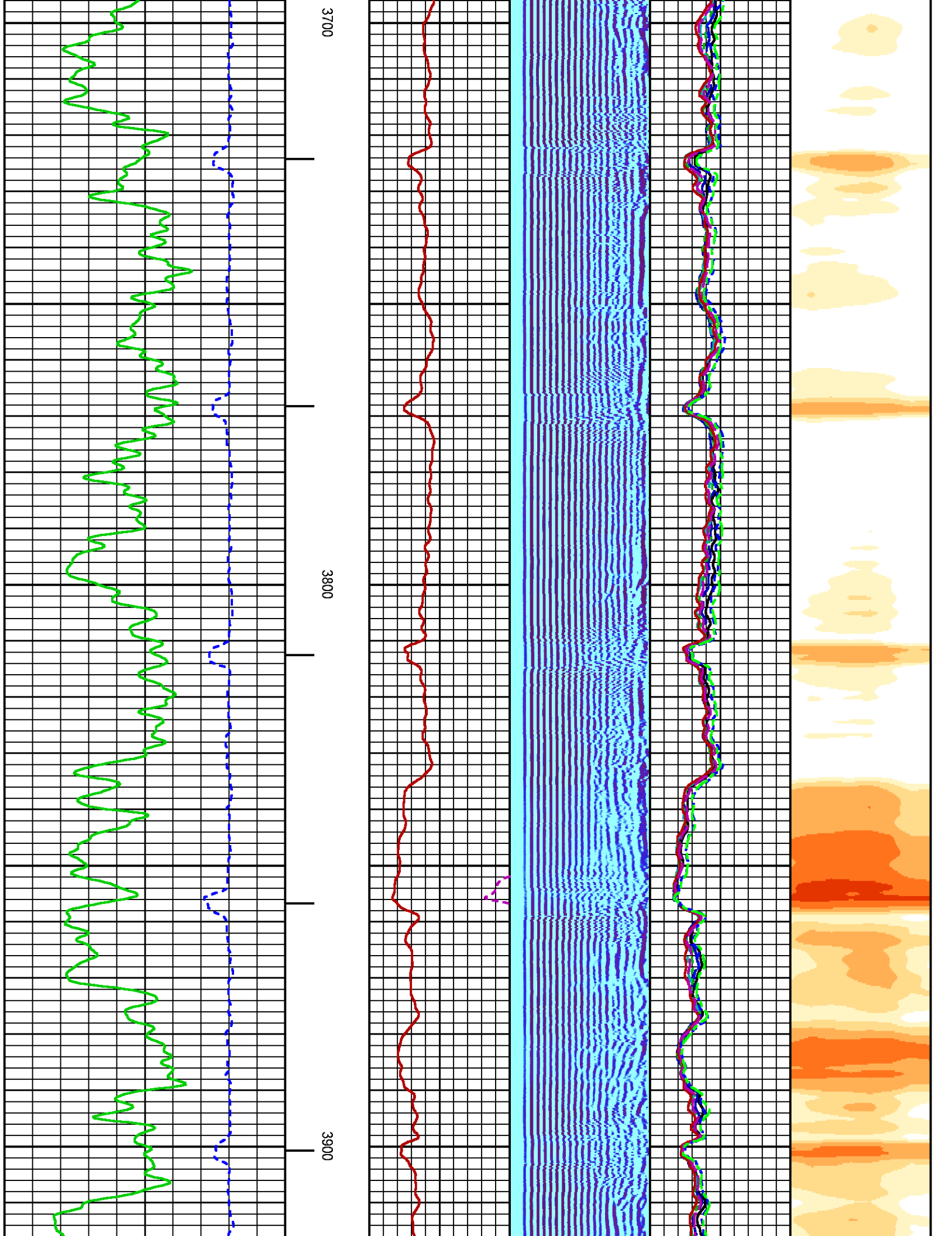


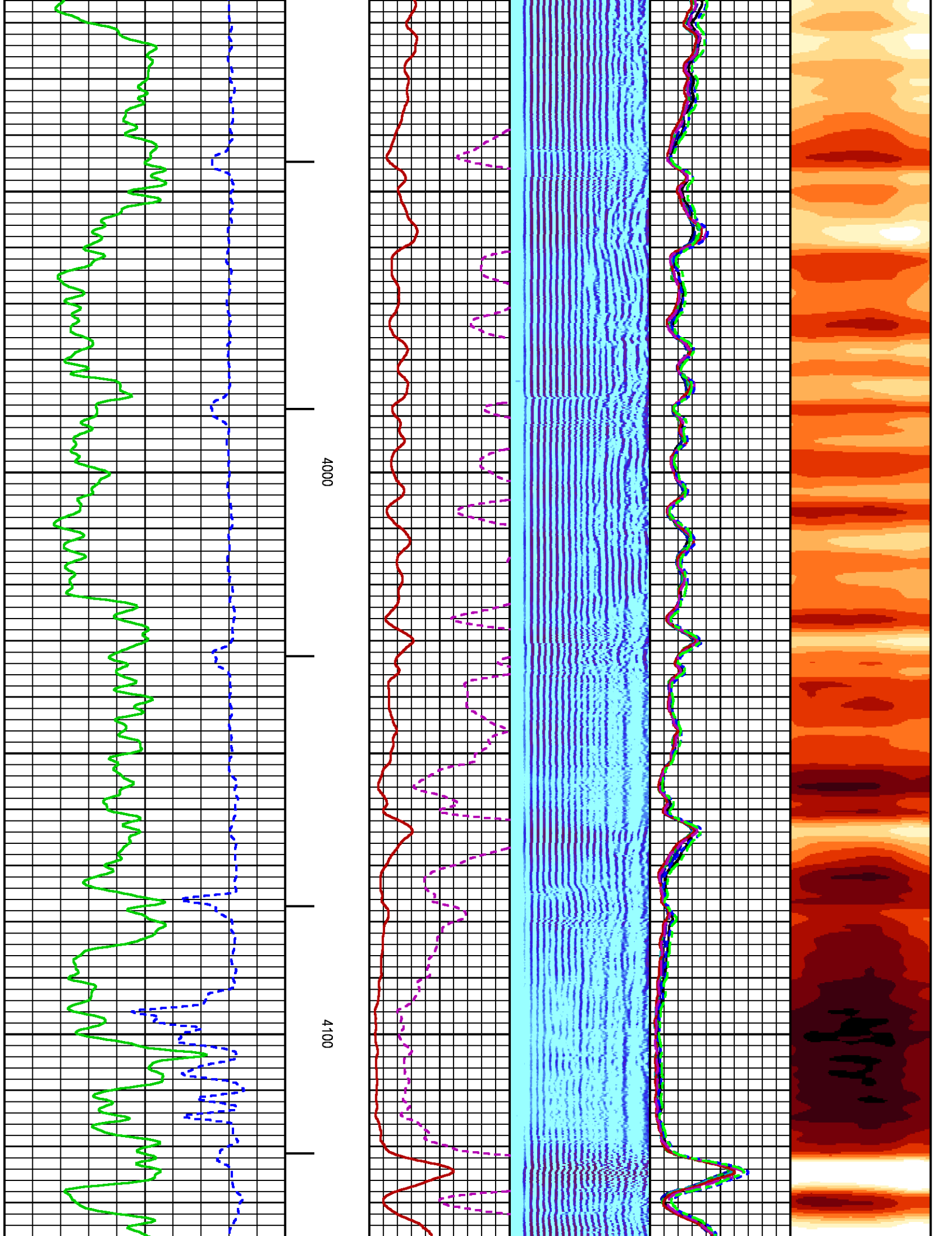
3300

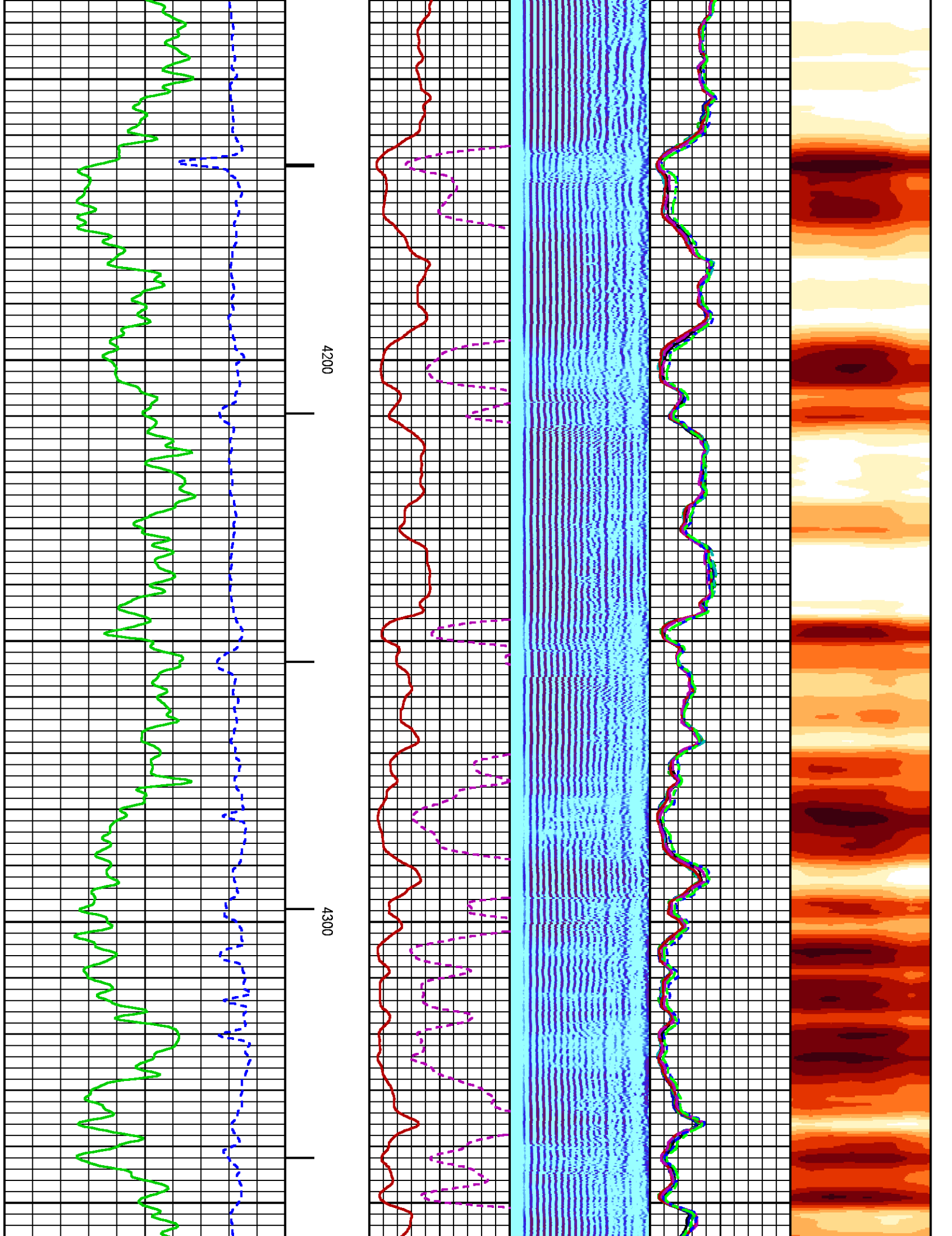
3400

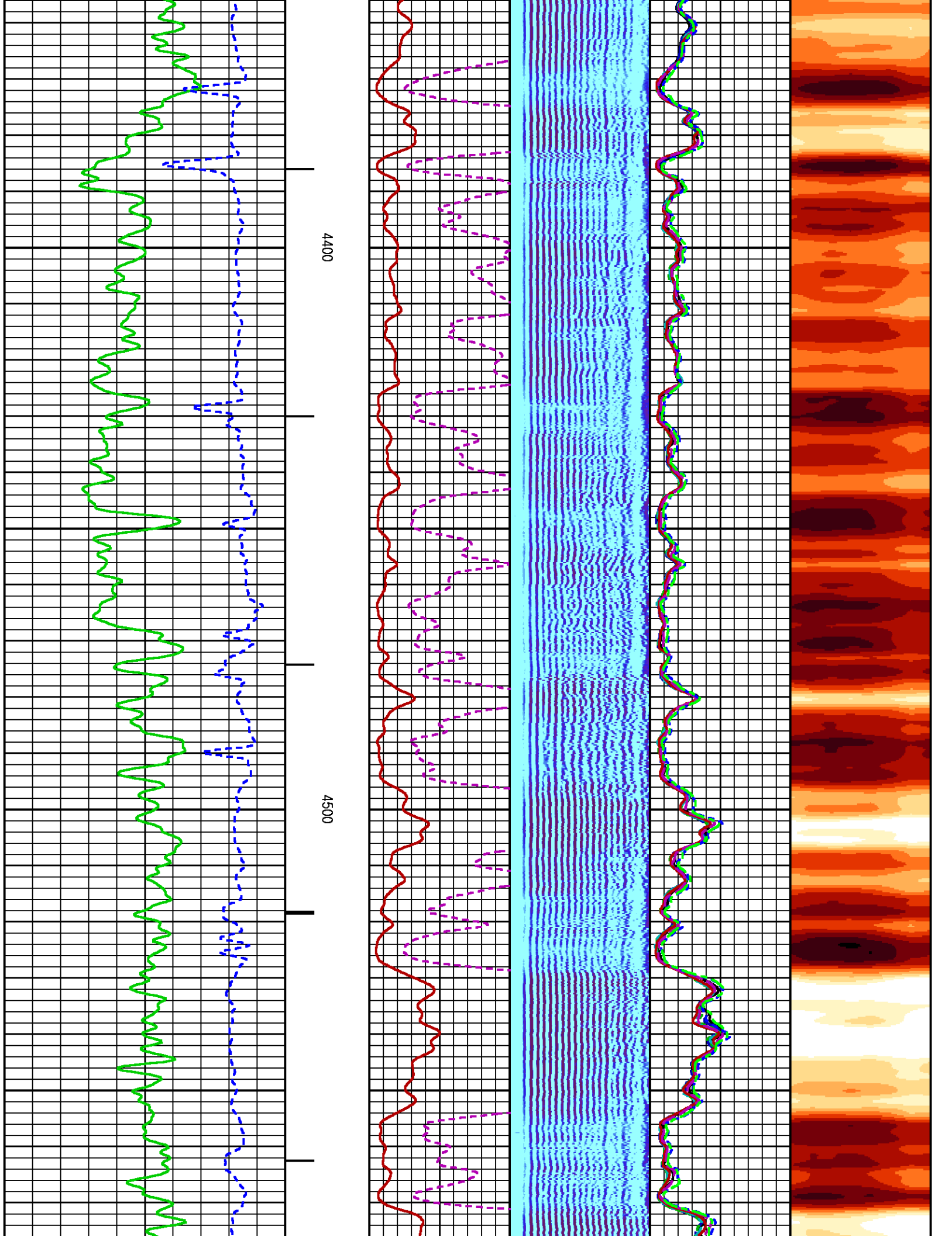


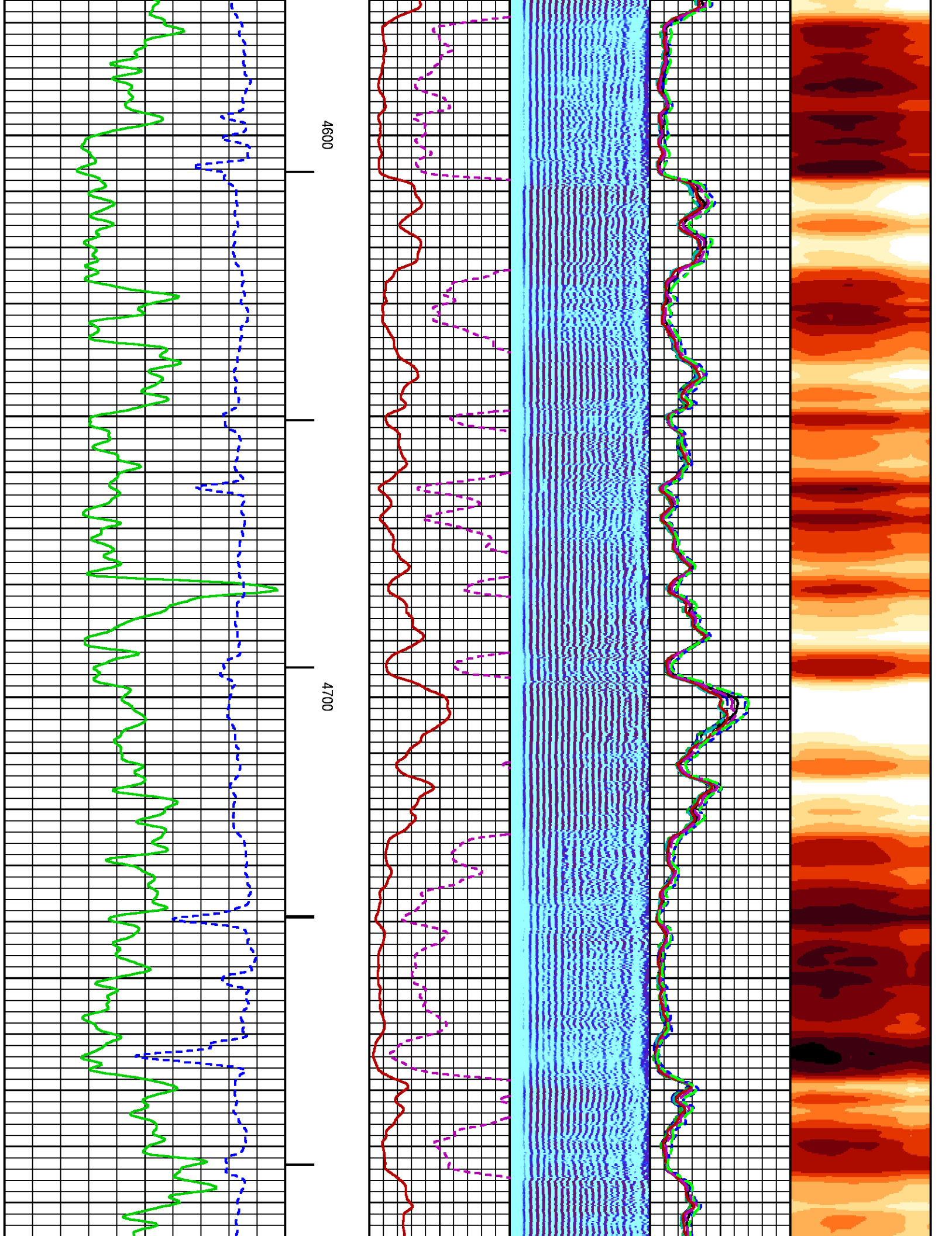


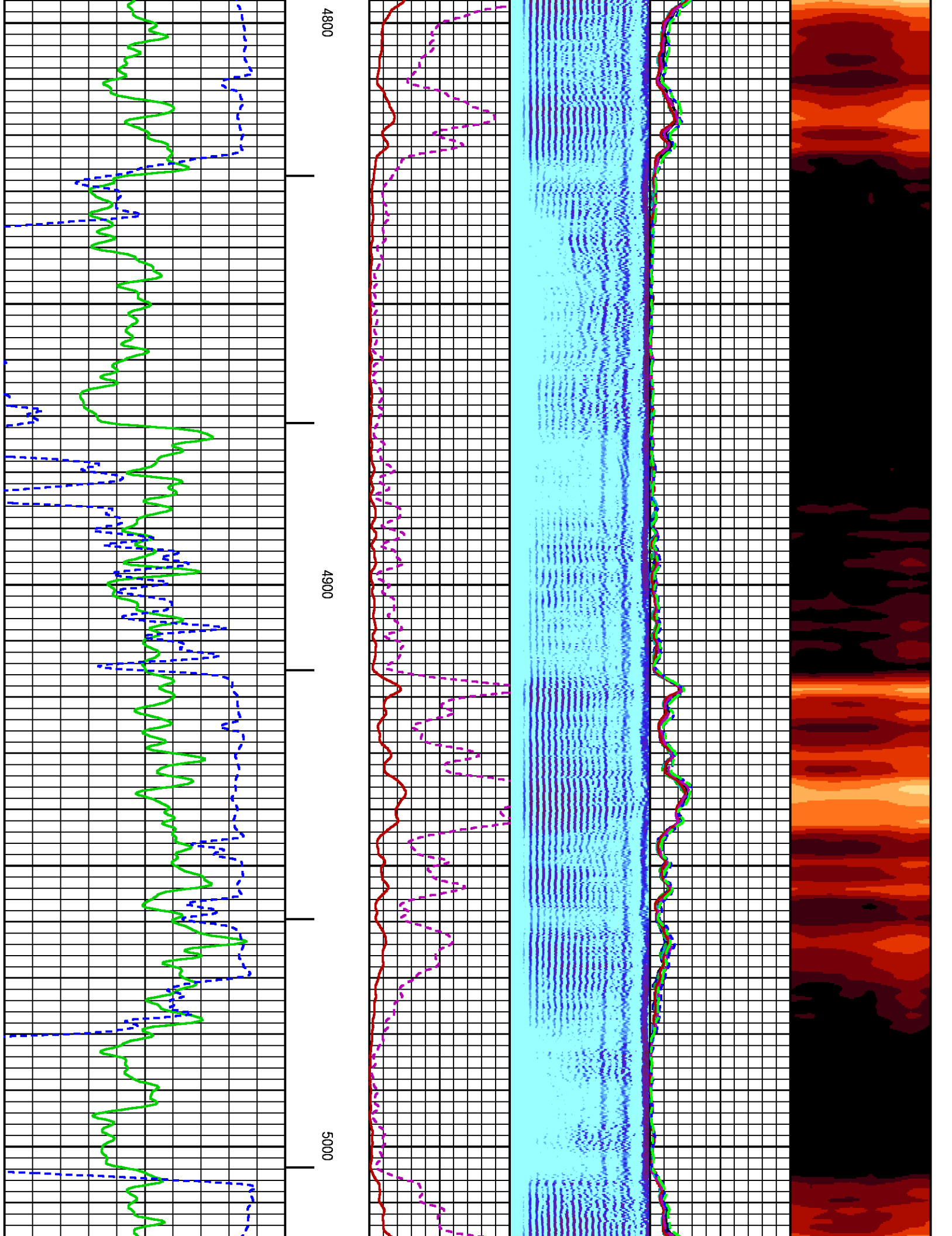


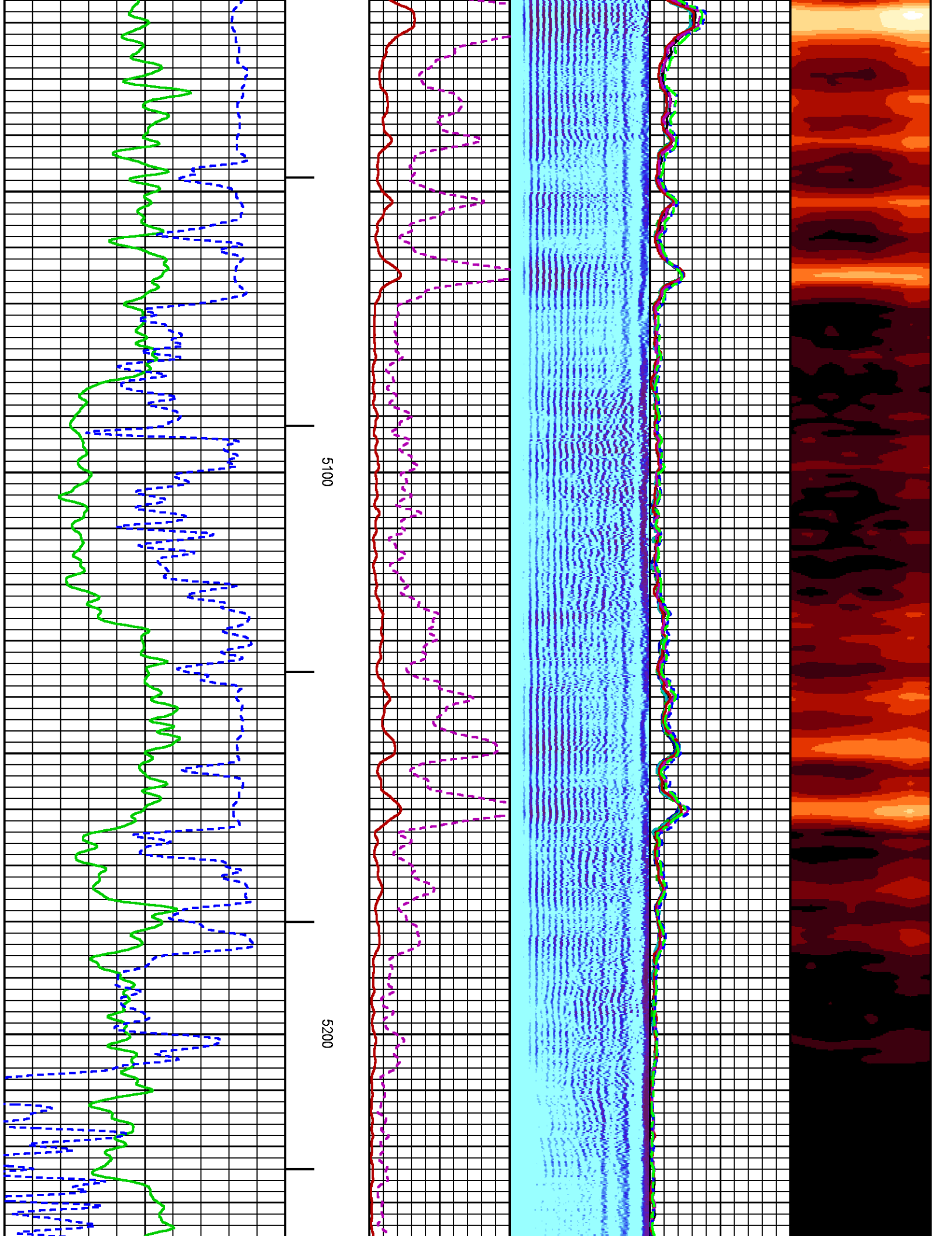


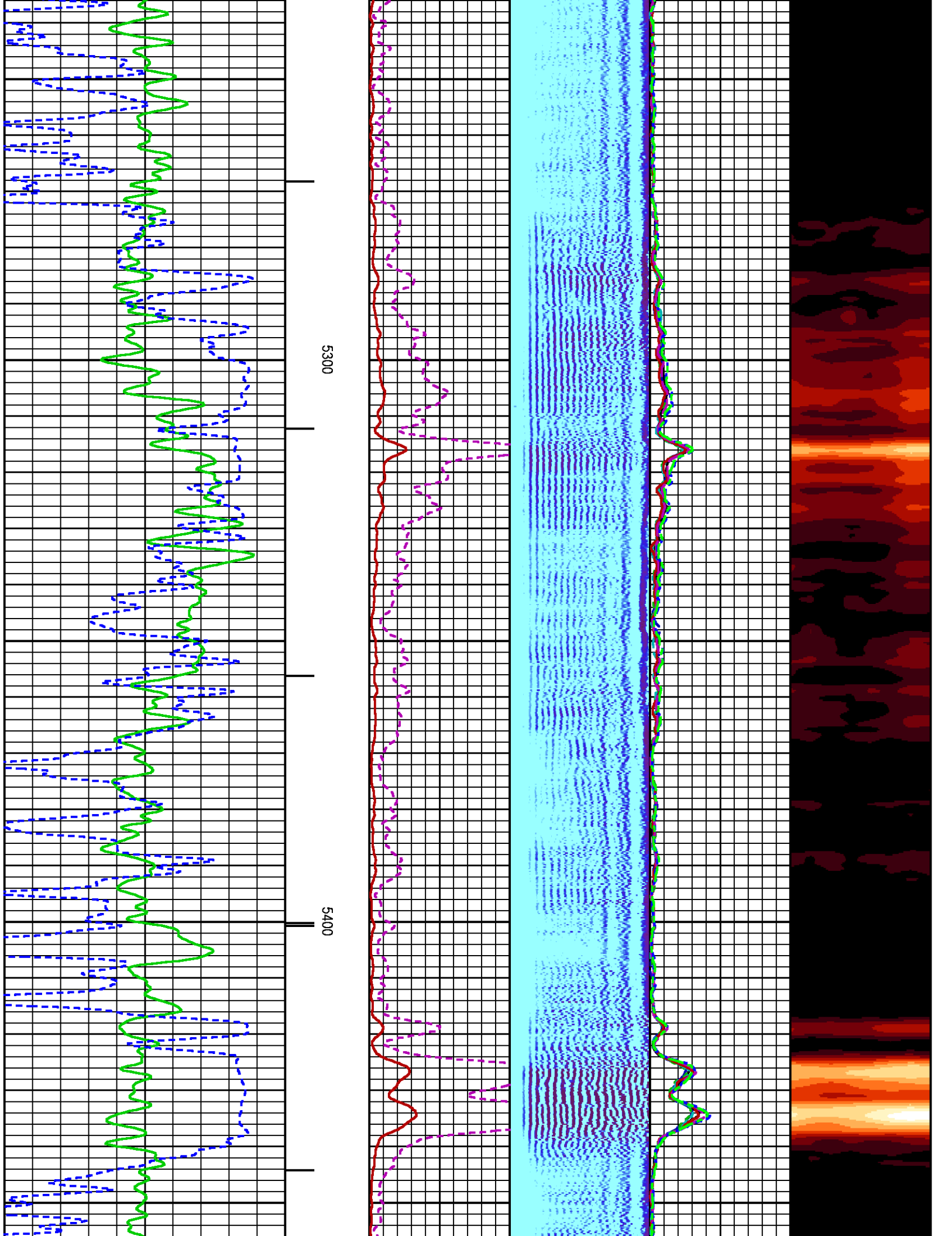


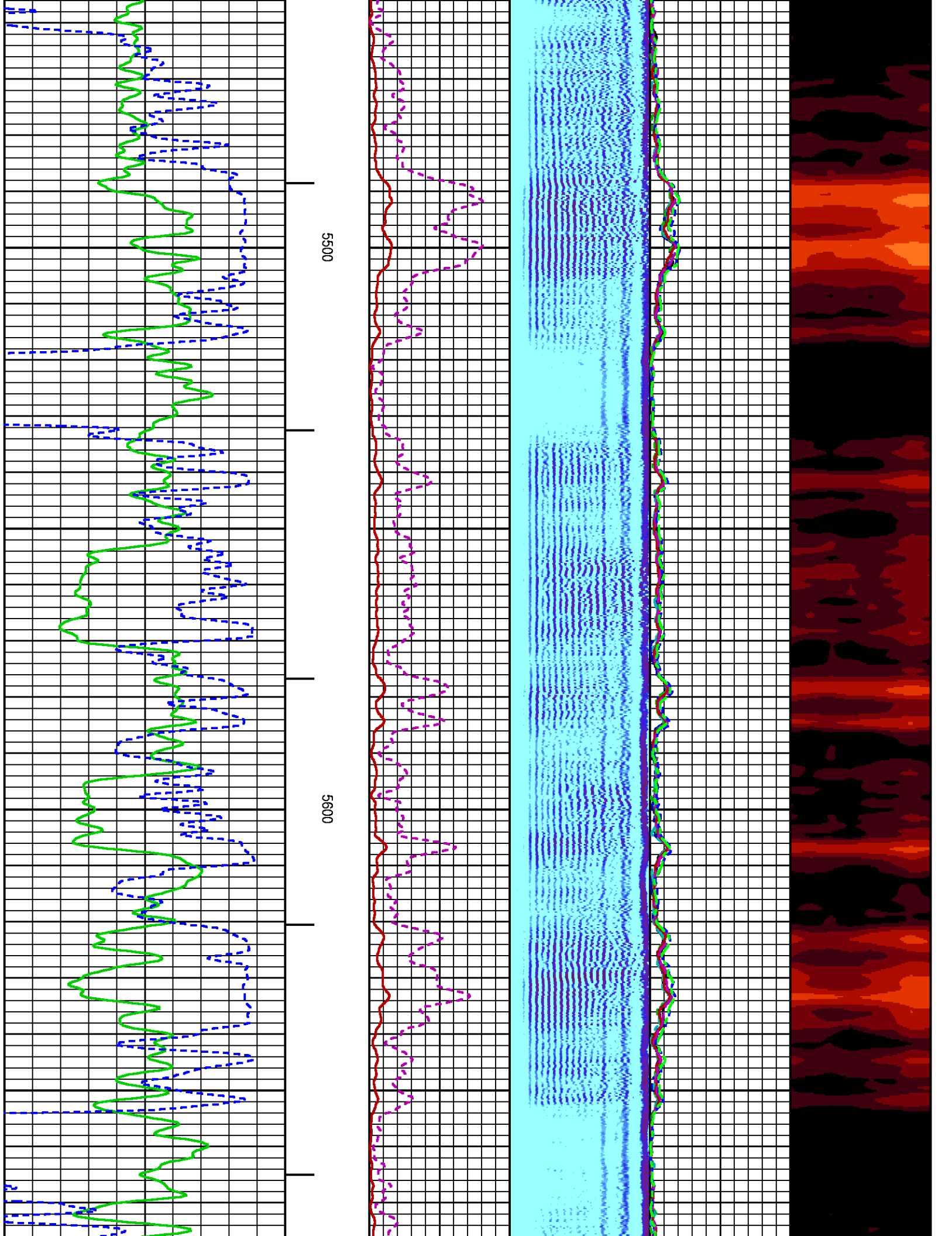


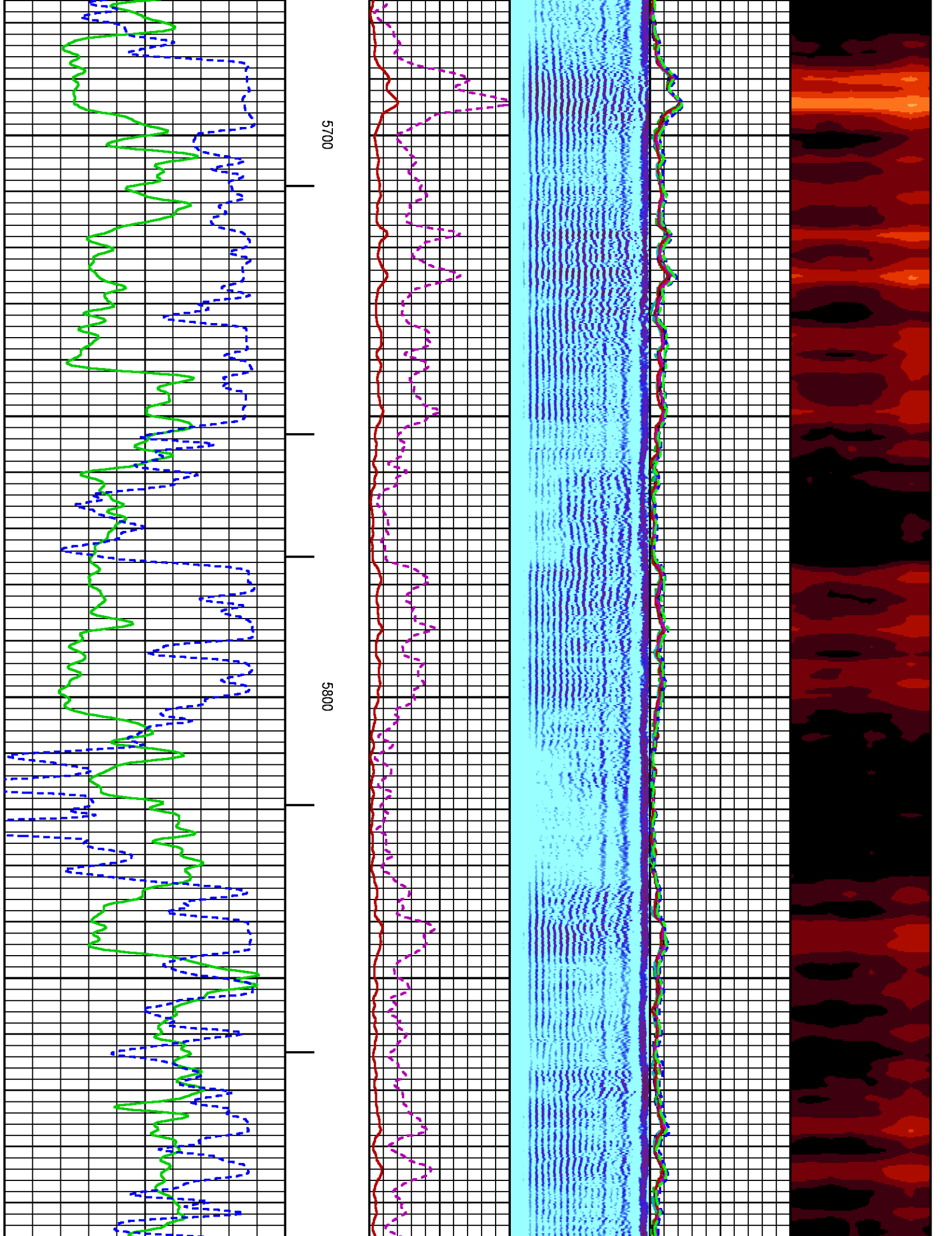


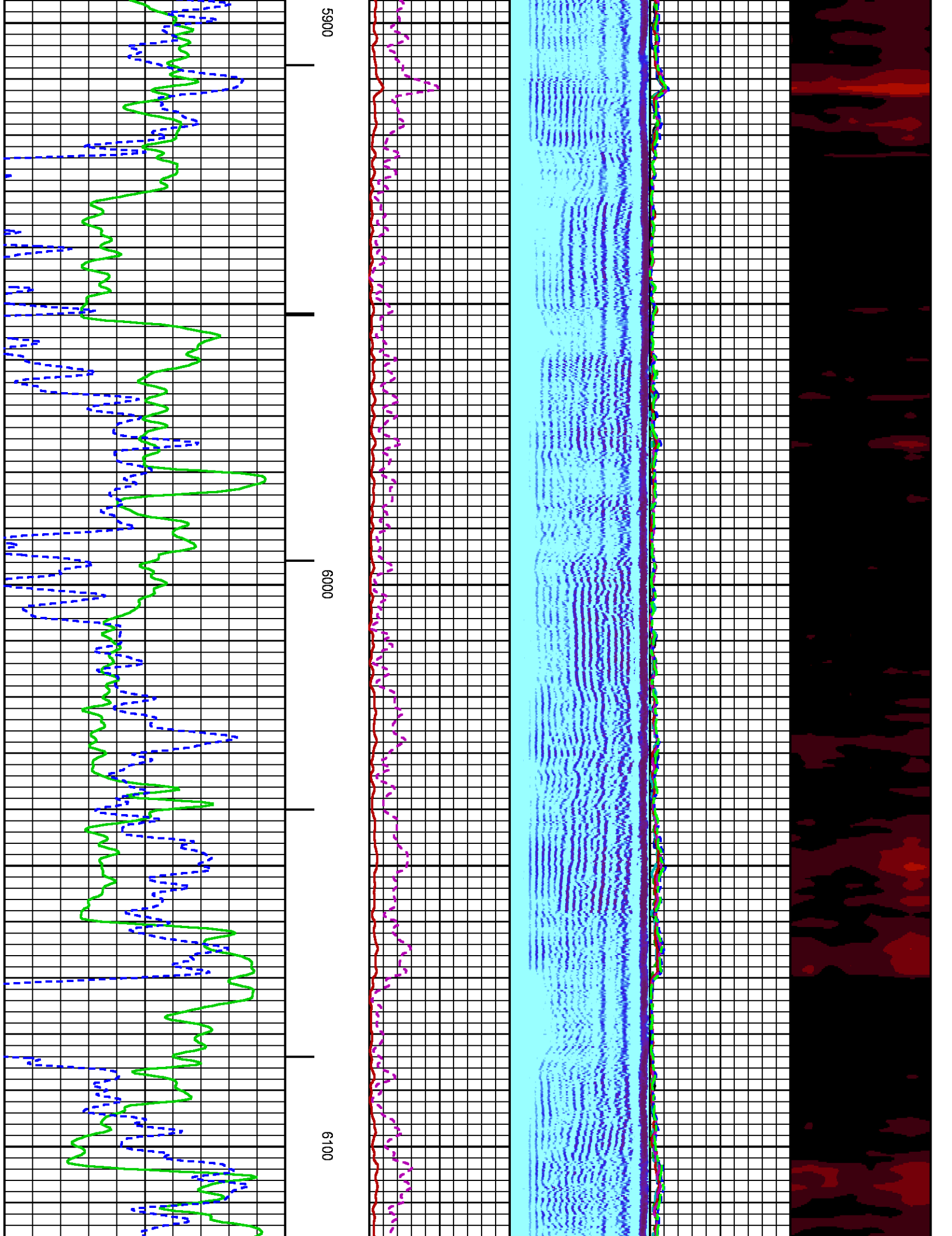


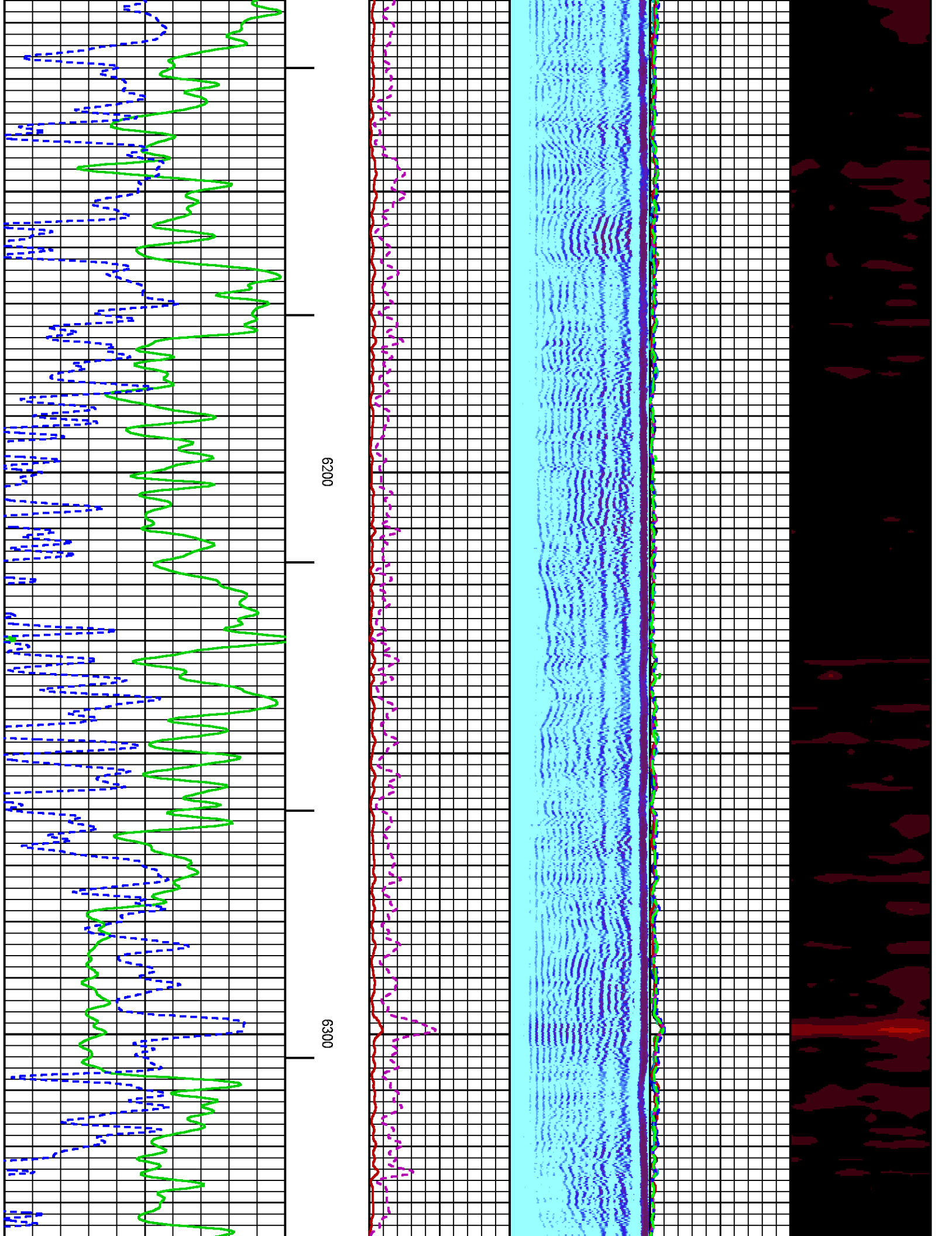


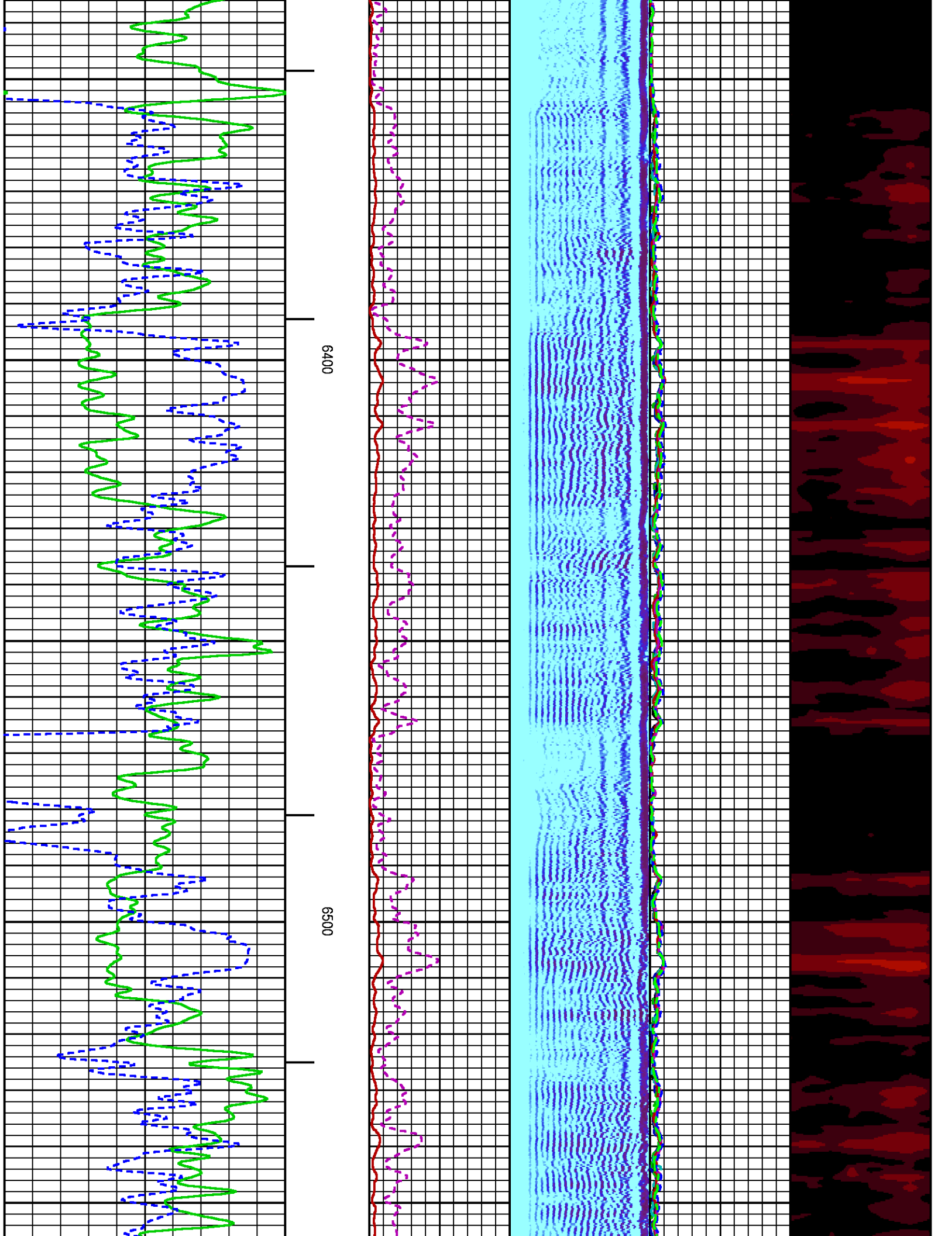


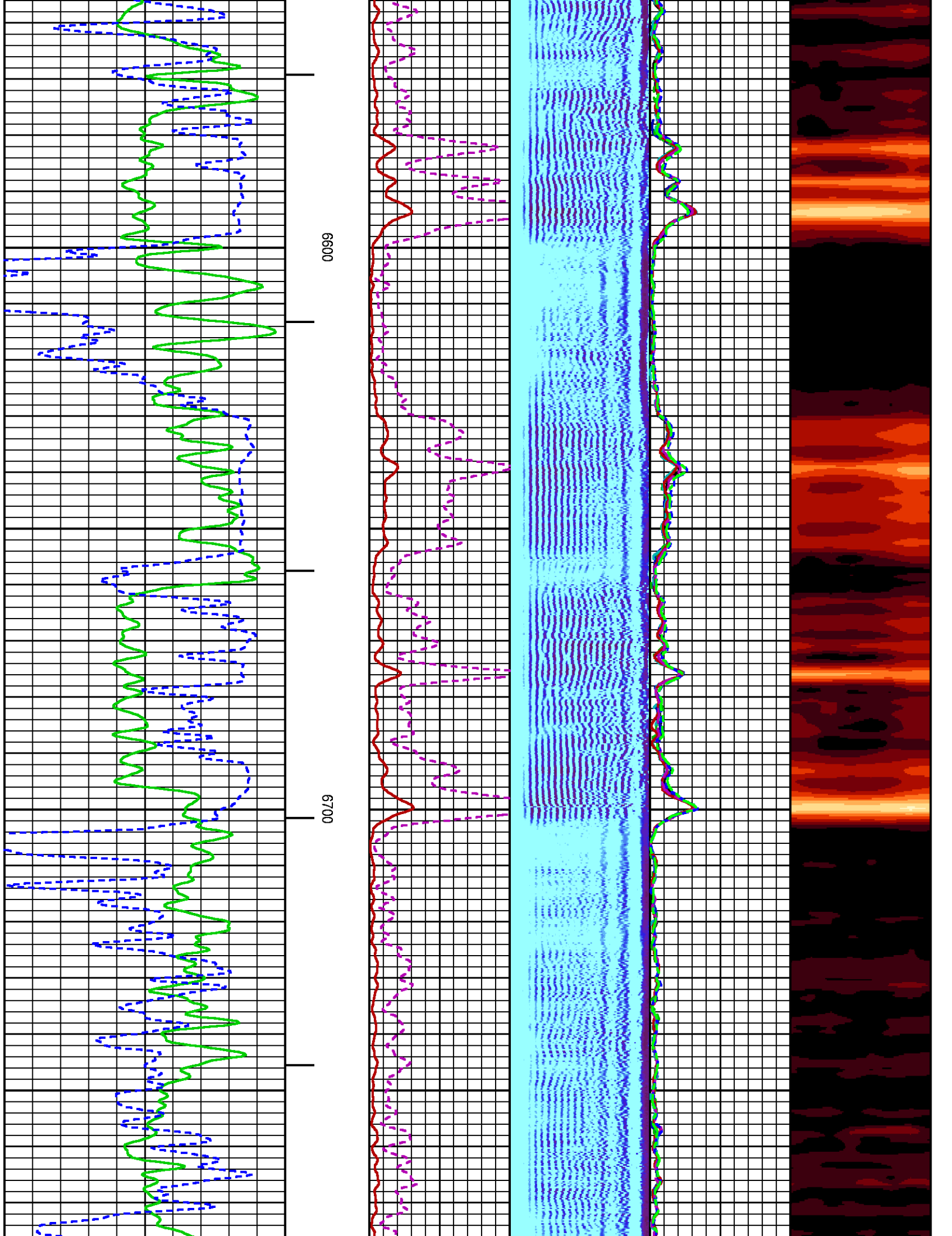


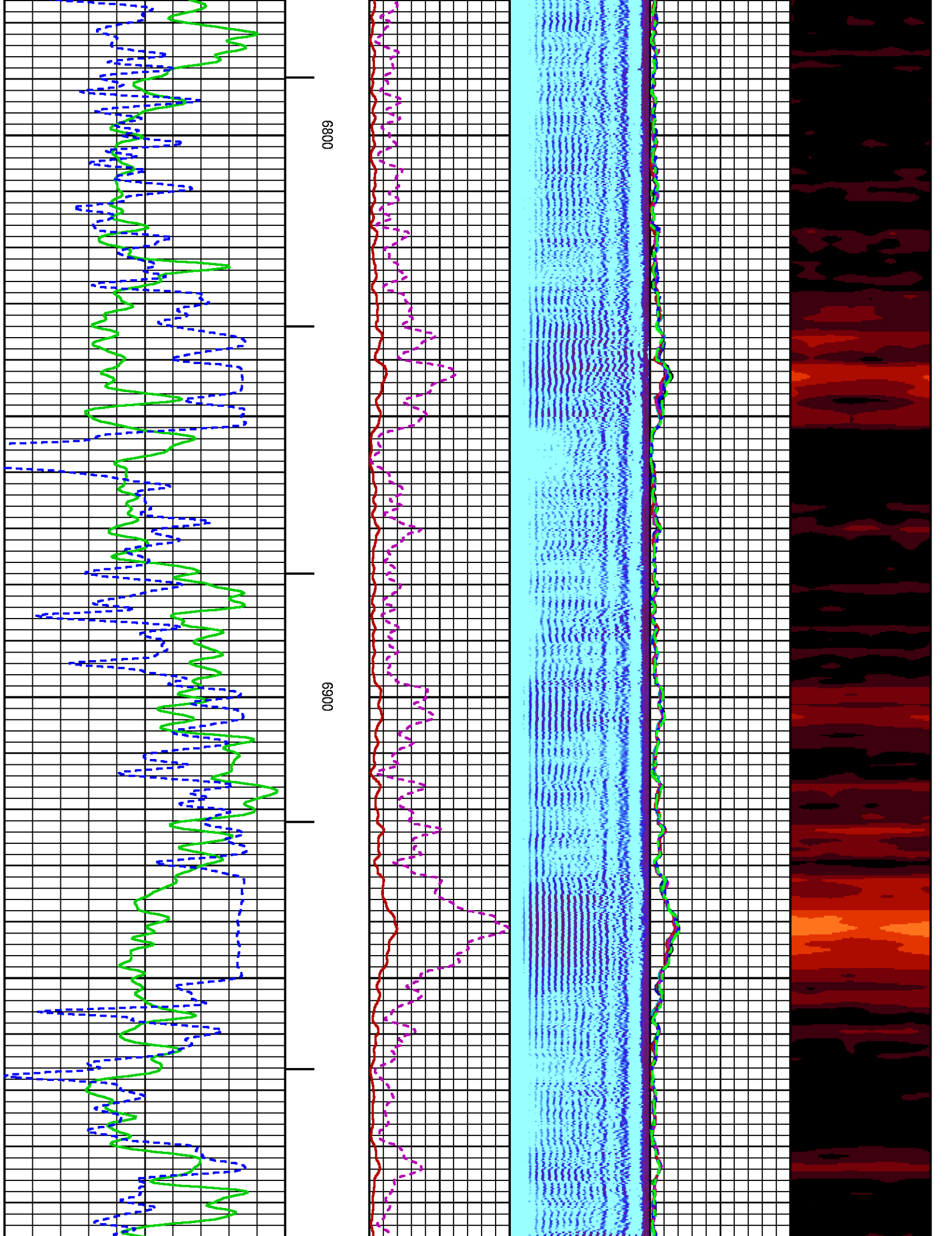


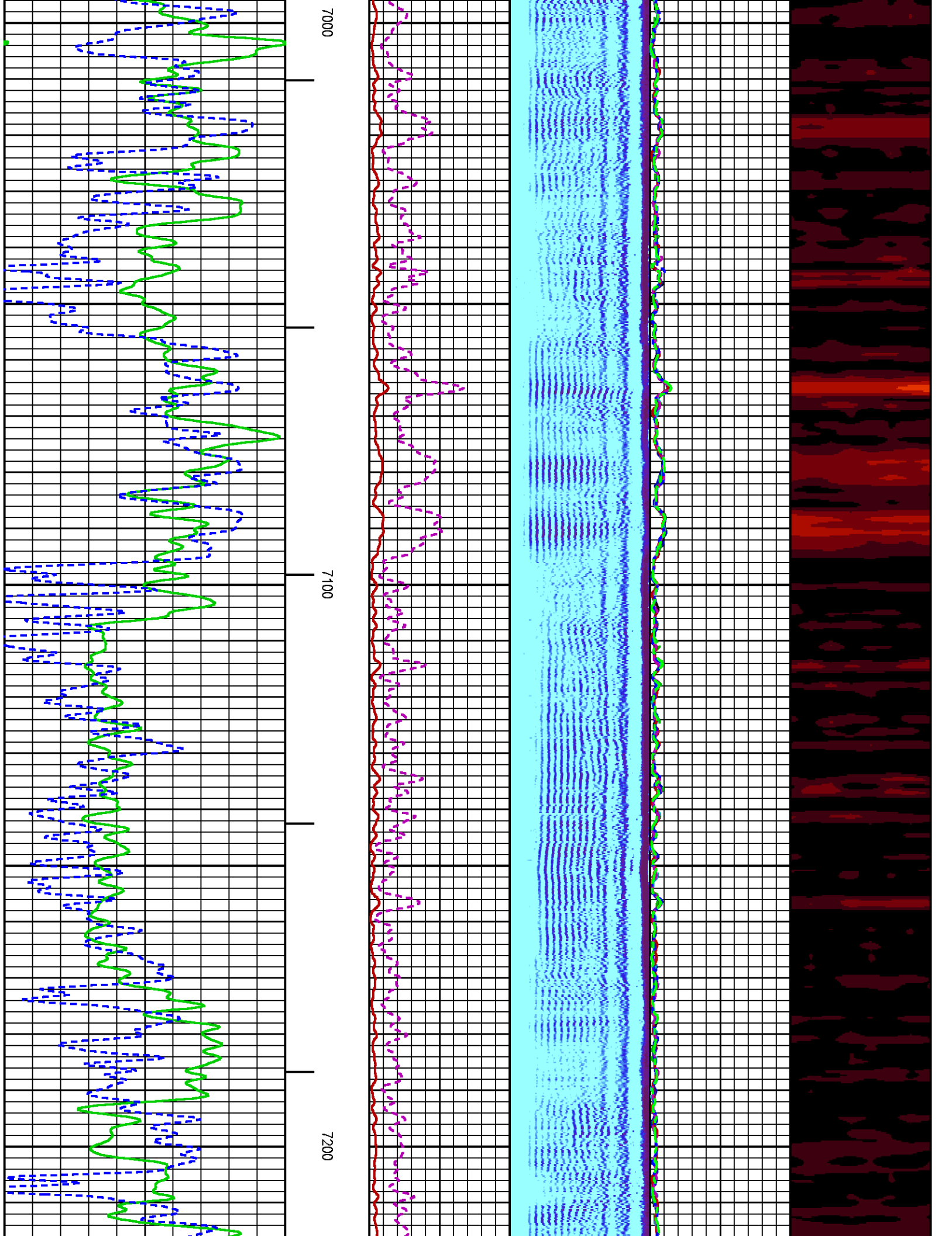


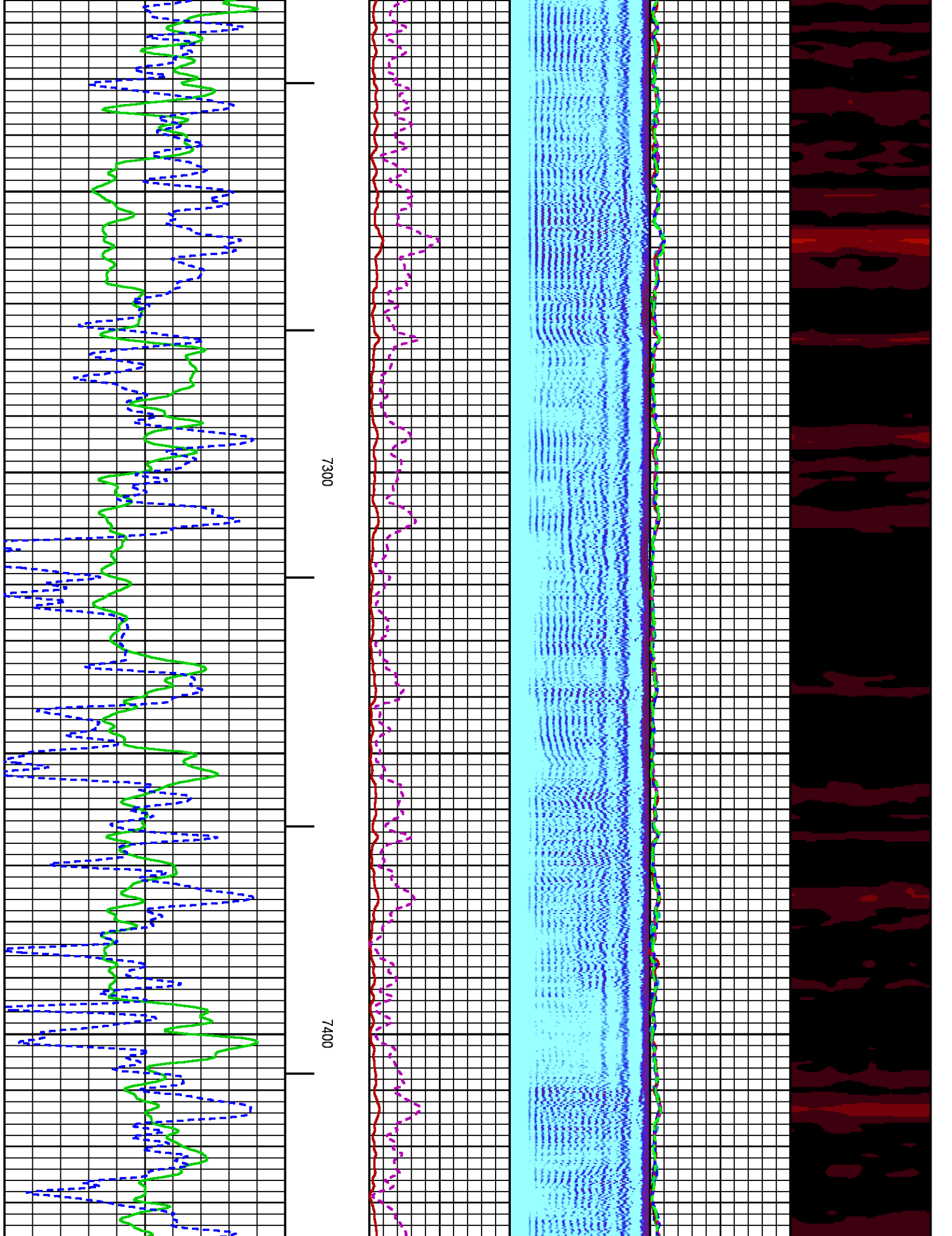


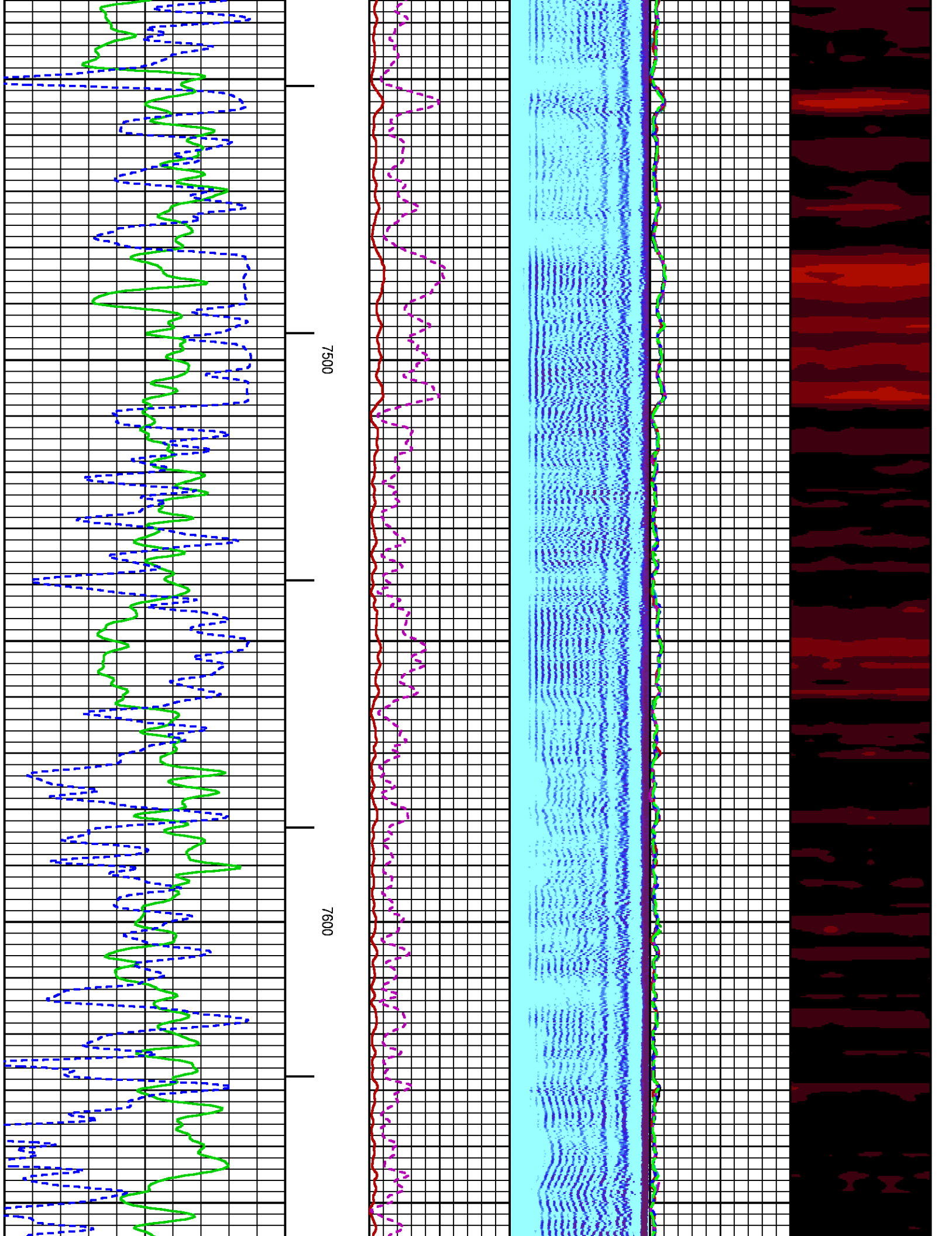


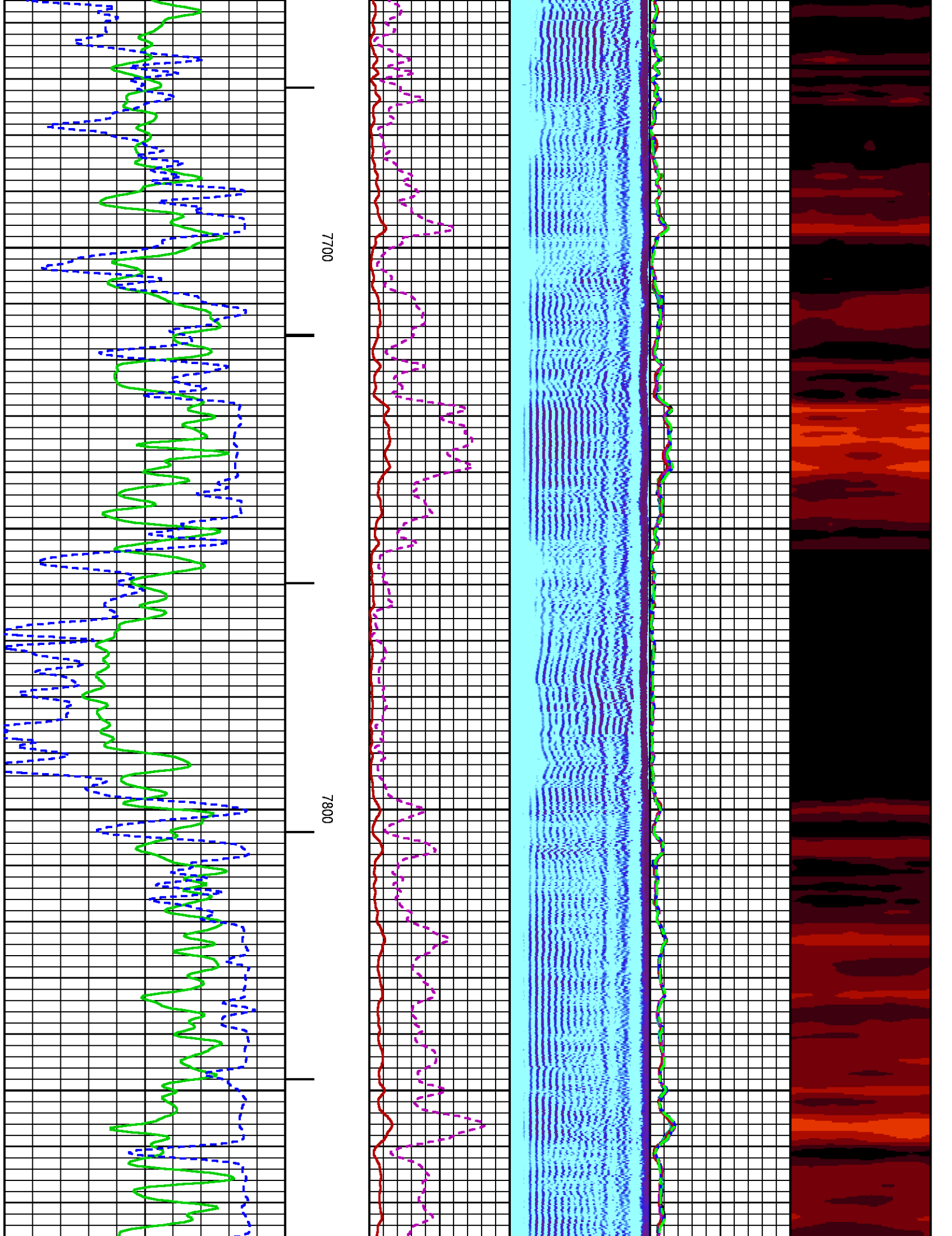


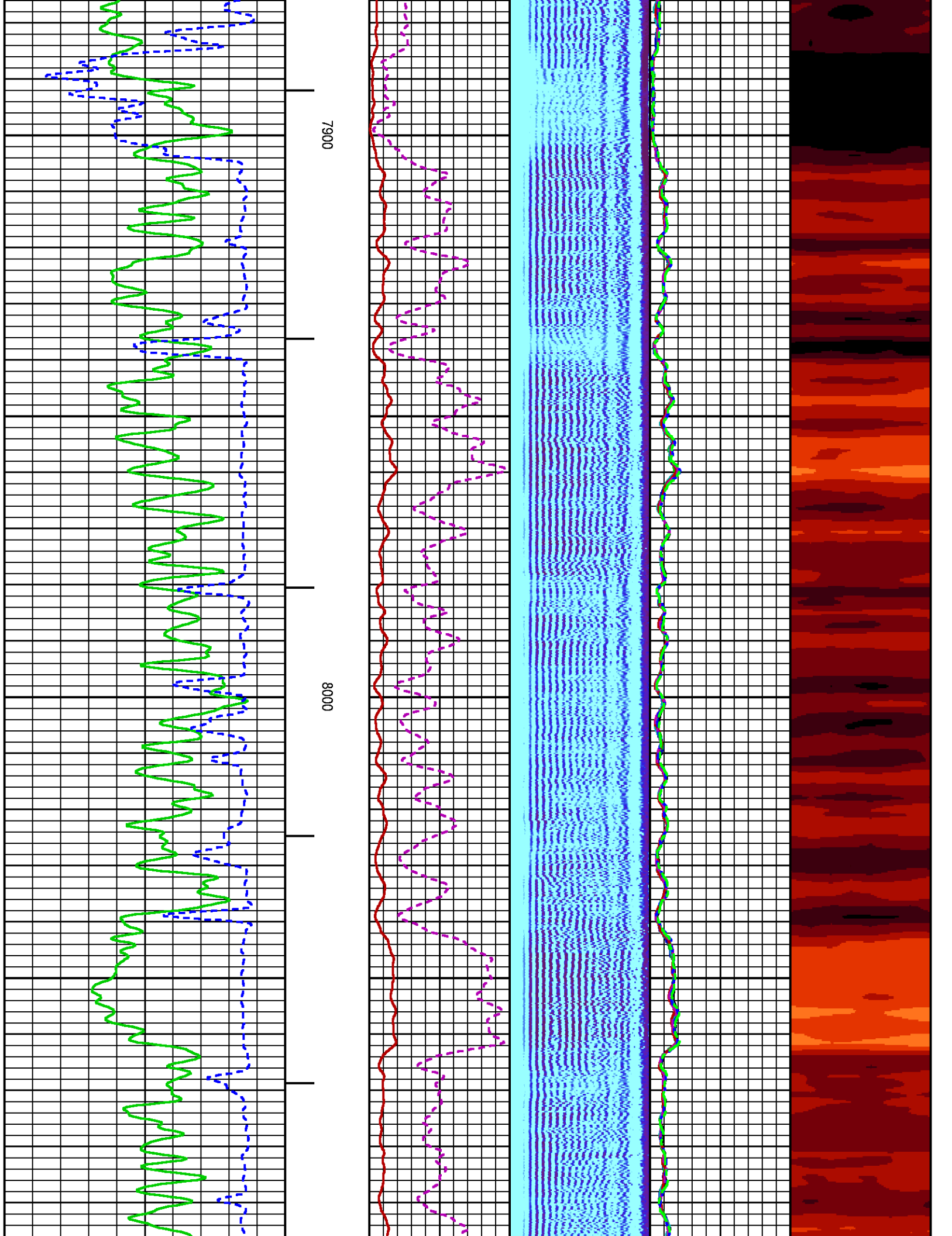


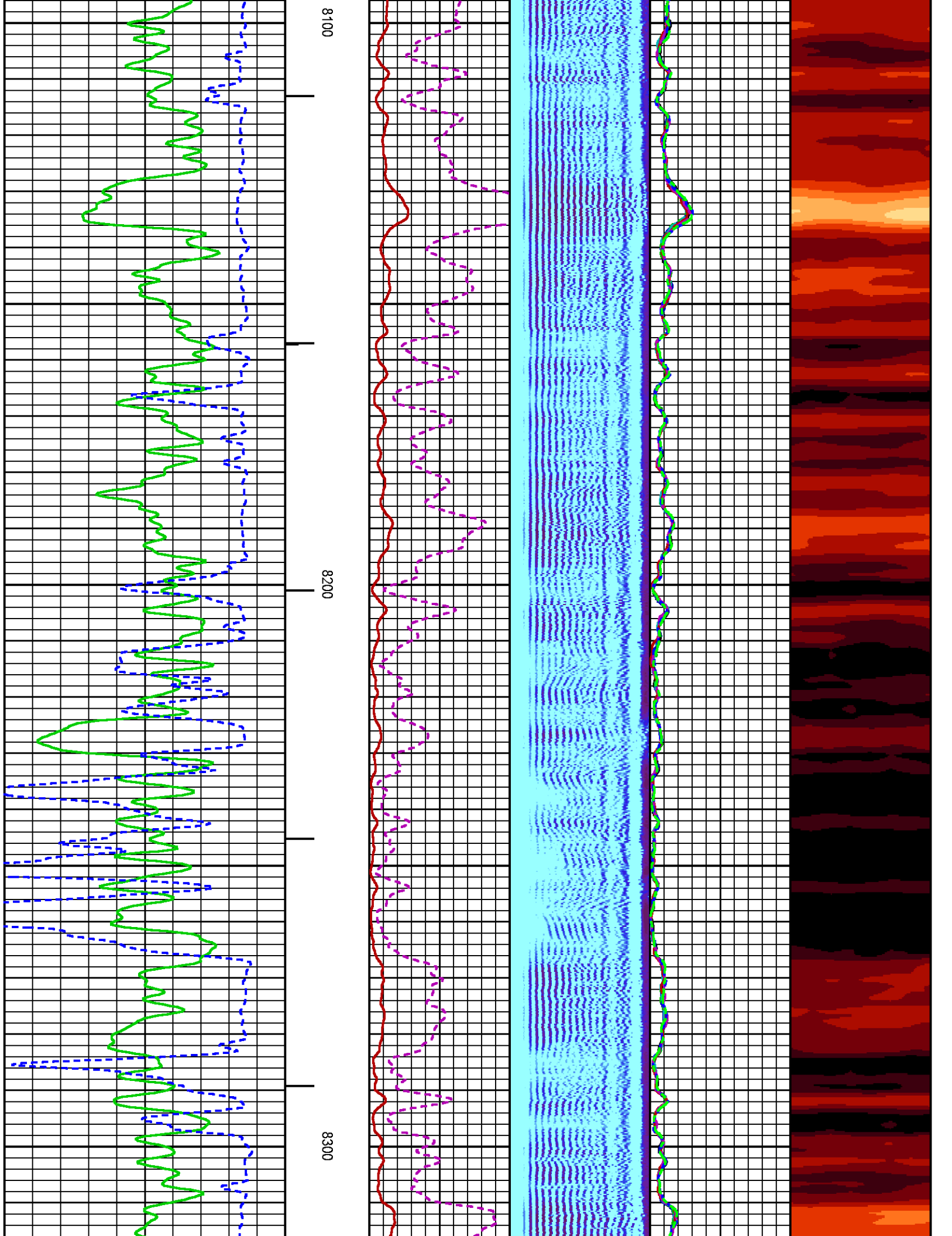


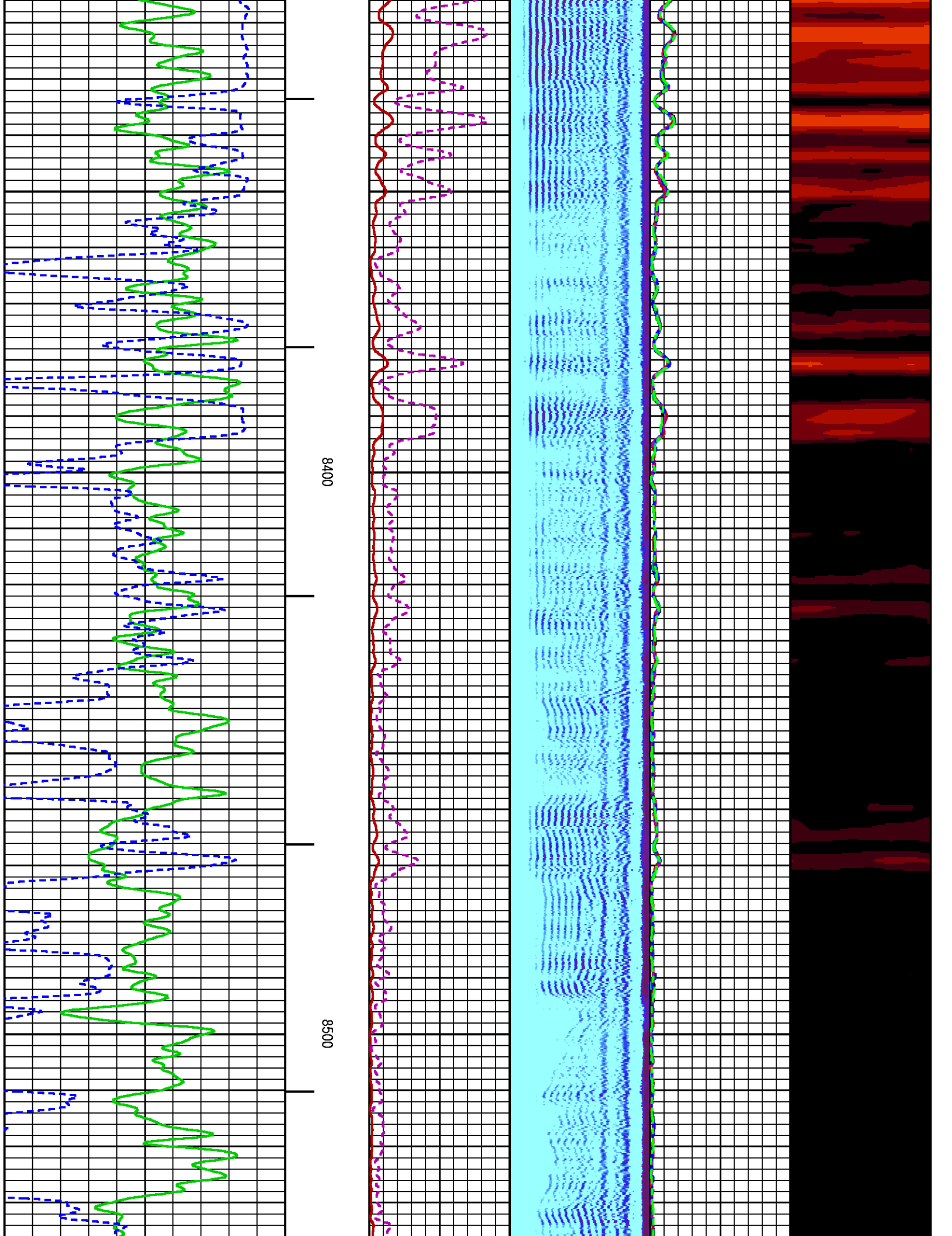


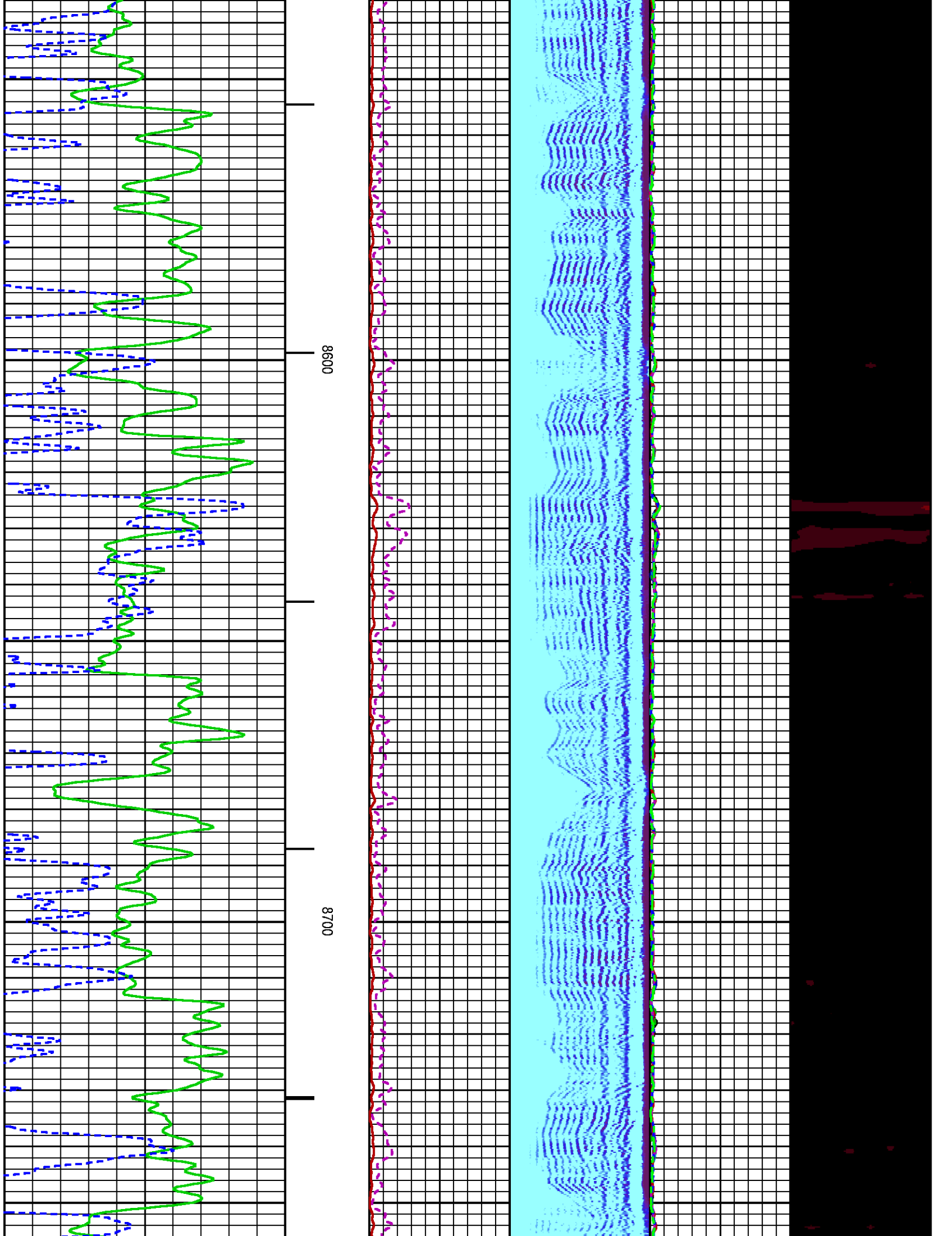


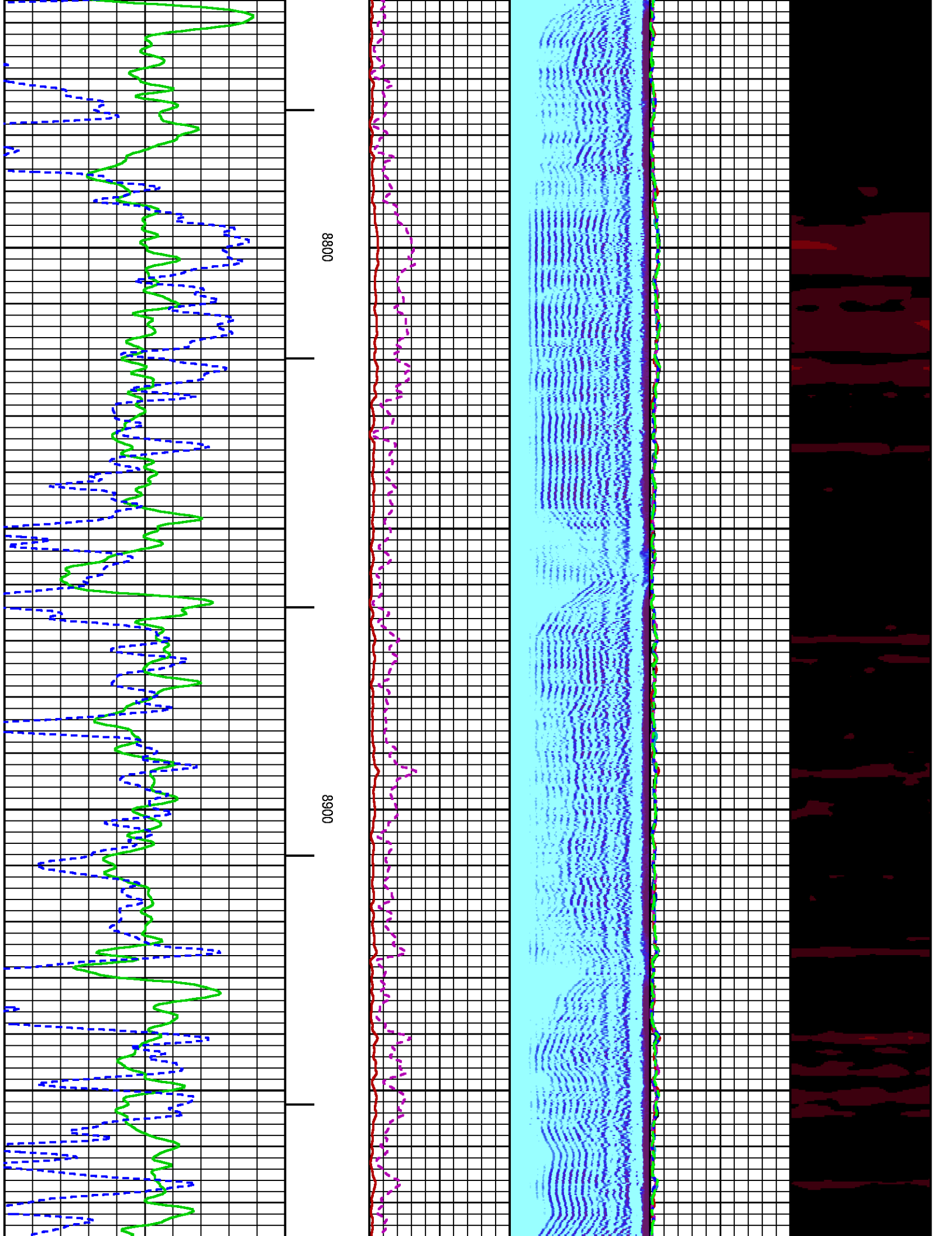


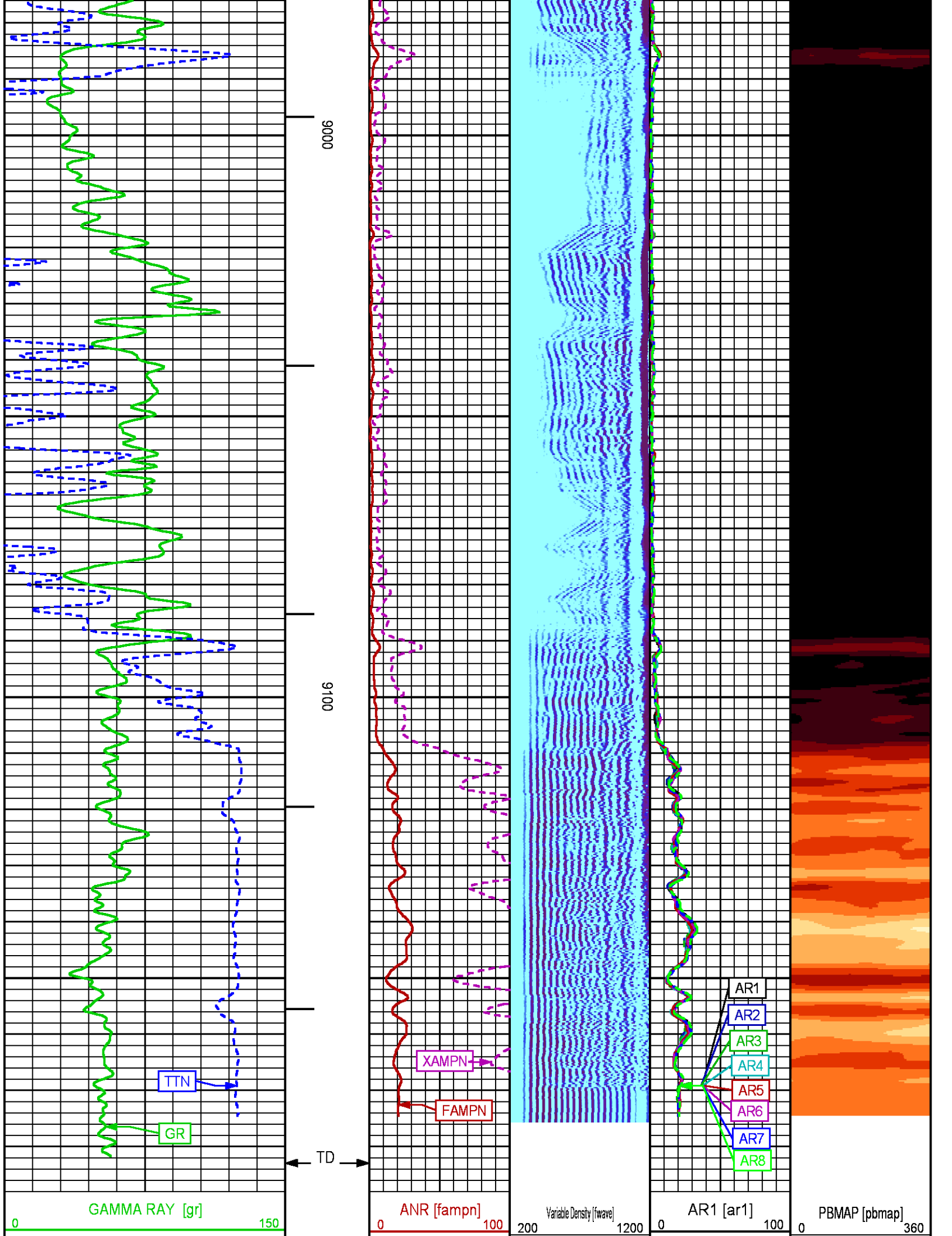


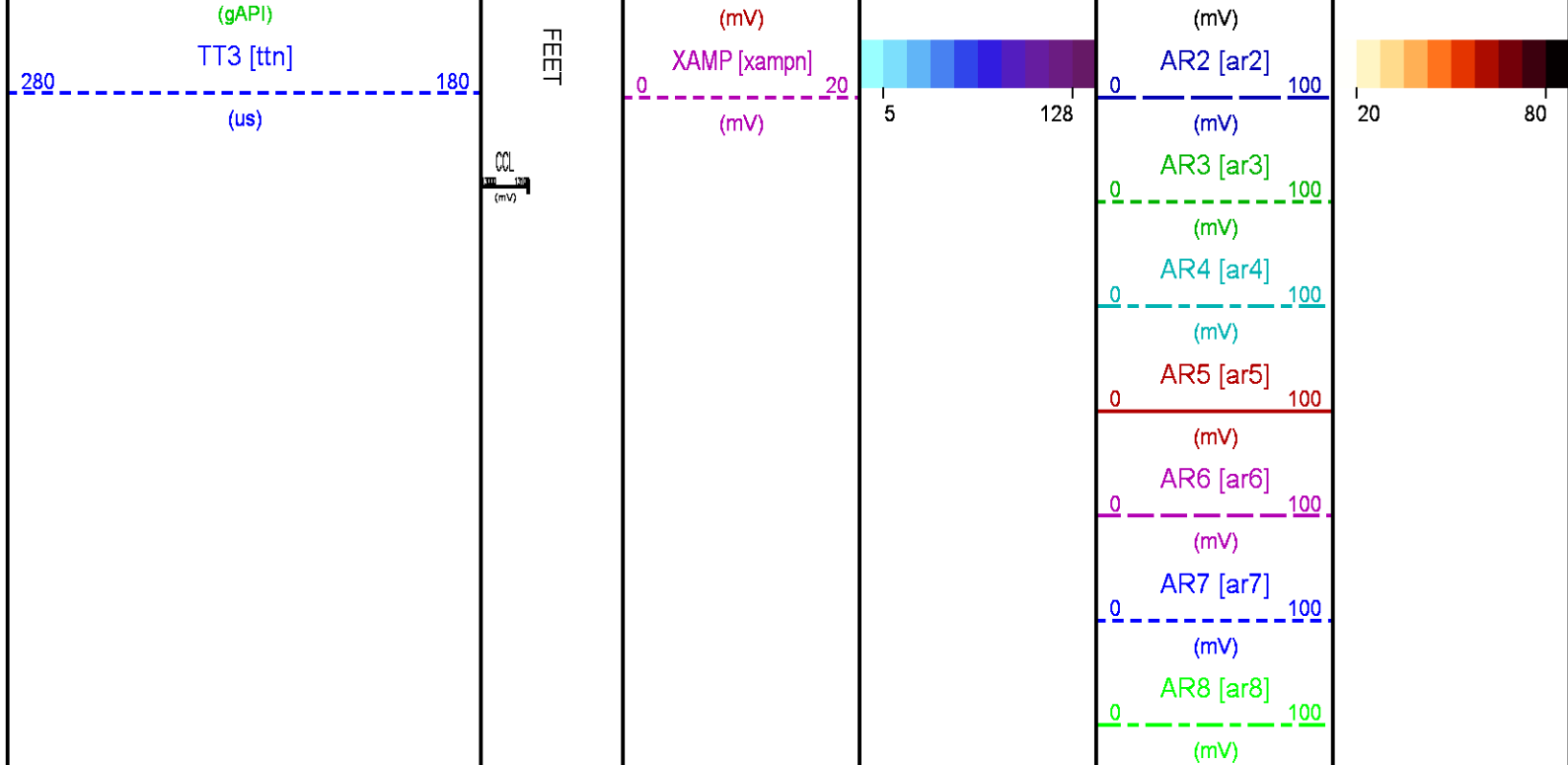












REPEAT LOG 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 4

Plotted: Wed Mar 4 13:22:04 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH095176/n012e01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 8823.000 ft BOTTOM DEPTH: 9193.000 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	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*)	-67	us	"	"

BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

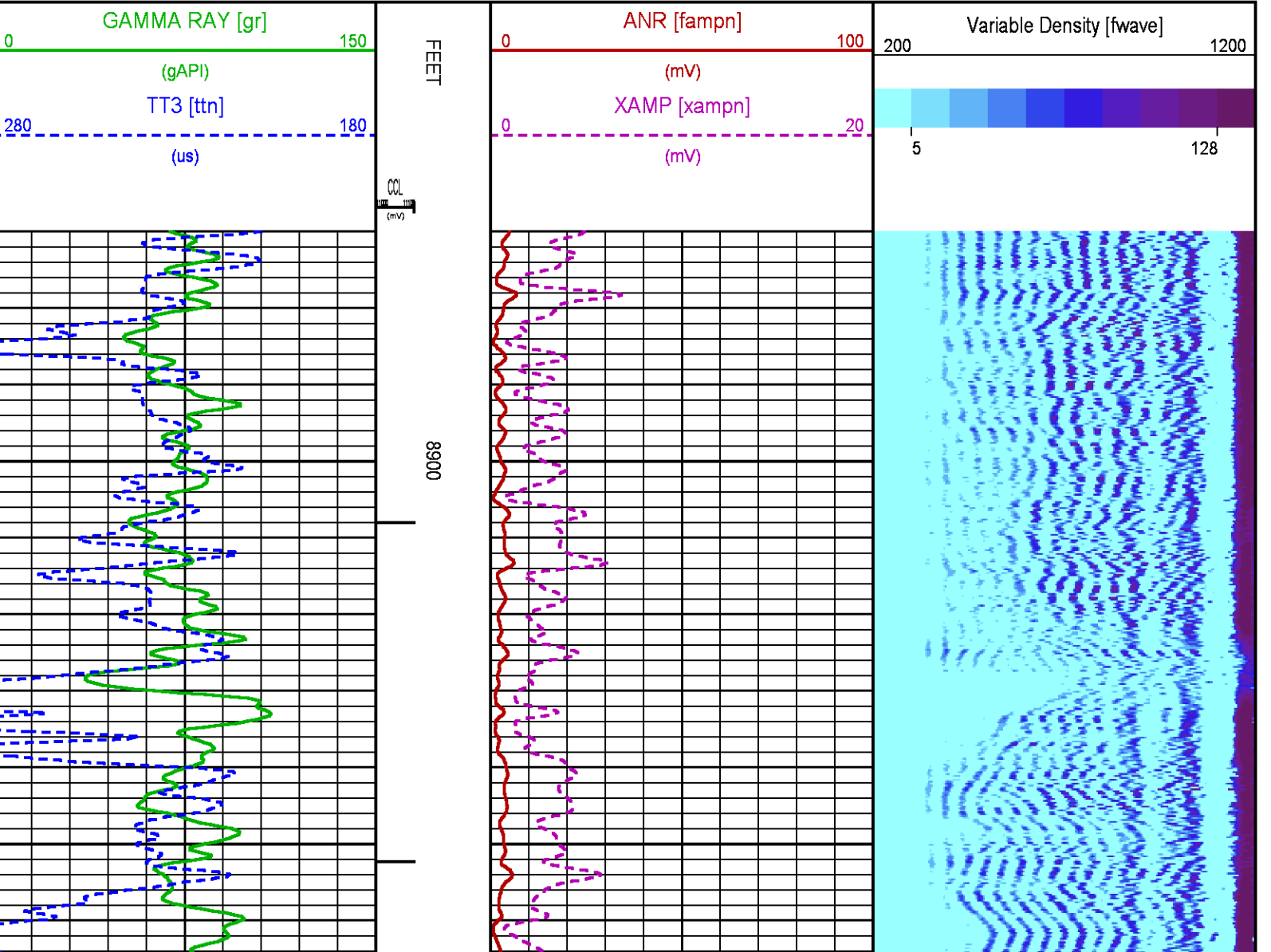
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Mar 4 10:20:46 2015	CASING COLLAR LOCATOR
F1:FAMPN	Mar 4 10:20:46 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Mar 4 10:20:46 2015	FAR WAVE FORM
F1:GR	Mar 4 10:20:46 2015	GAMMA RAY
F1:TTN	Mar 4 10:20:46 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Mar 4 10:20:46 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

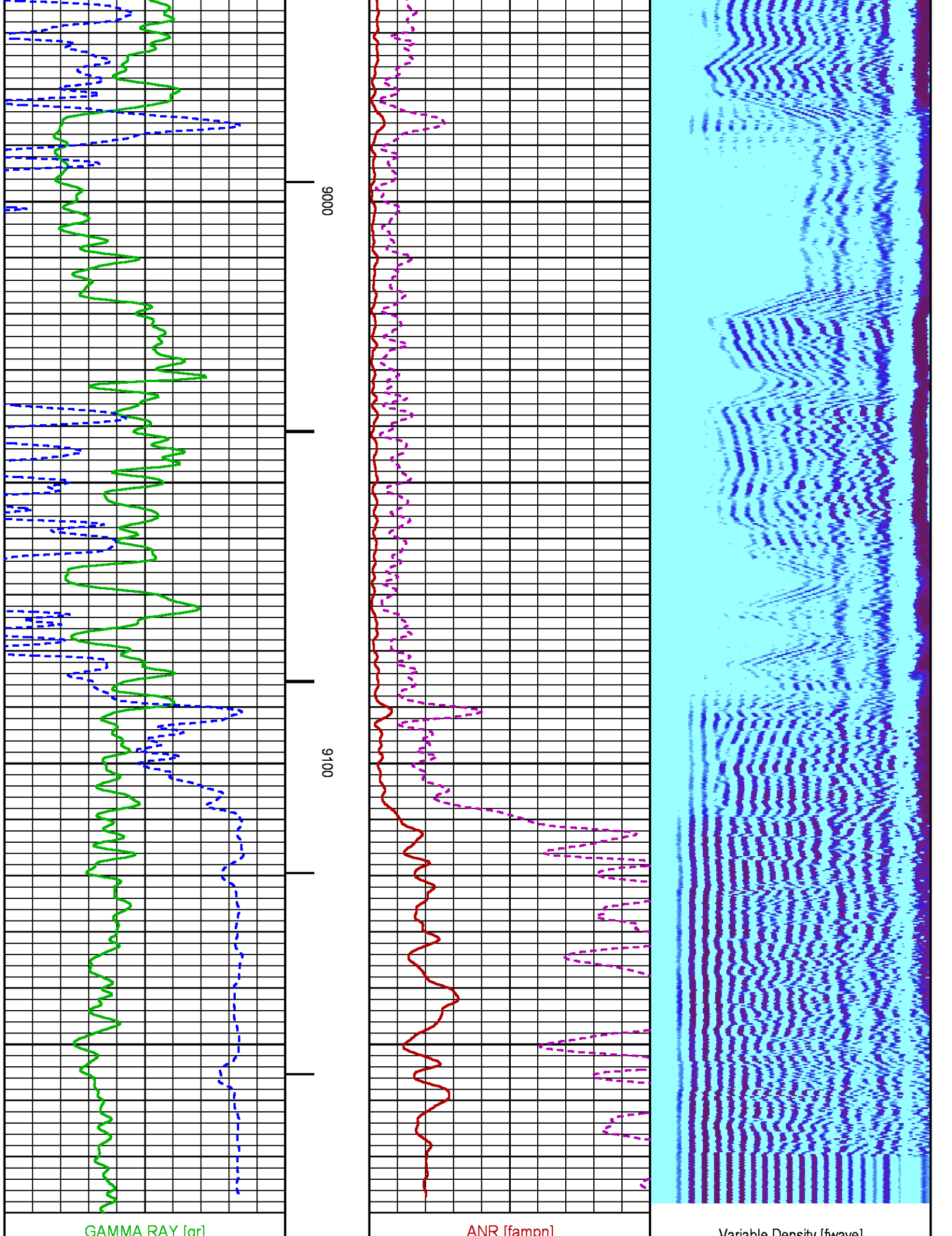
CURVE MEASURE POINT OFFSET

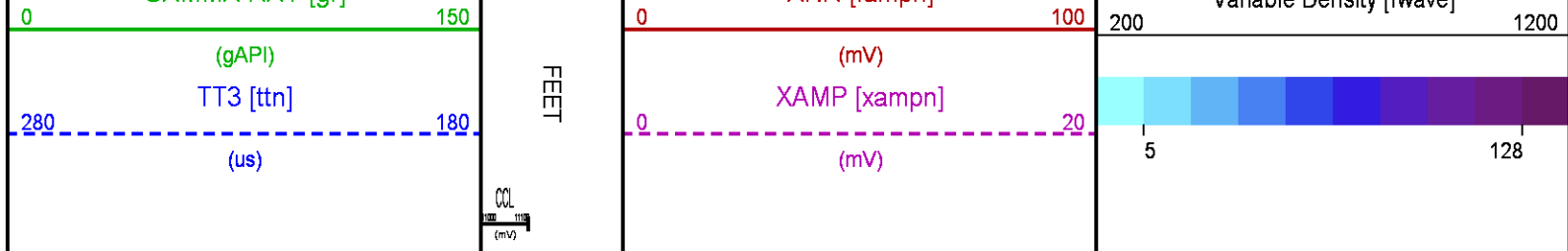
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

Presentation : HL6670:/dat1a/CH095176/531CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 8870 - 9180 Feet

Data File 1 : F1 : HL6670:/dat1a/CH095176/531CBL_REPEAT.xtf
Created On : Mar 4 10:20:46 2015
Company : WPX ENERGY
Well : MEAD RWF 531-23
Field : RULISON
File Interval : 8808 - 9192 Feet
OCT : n012e







CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH095176/h012e.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Wed Mar 4 09:42:11 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)	-0.12	-0.41	-0.30	-0.31	-0.38	-0.27	-0.75	-0.53	-0.14	1.77	-0.00
AMP FLUID (mV)	75	75	75	74	74	75	76	76	75	100	74
TT (us)	218	218	218	217	217	217	217	218	219	326	219
M FACTOR	1.33	1.33	1.34	1.34	1.34	1.32	1.30	1.31	1.33	1.52	1.34

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Wed Mar 4 09:44:29 2015

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	-0.22	-0.51	-0.43	-0.43	-0.41	-0.47	-0.55	-0.48	-0.34	0.17	0.01
AMP AIR	1.04	0.76	1.02	0.91	0.90	0.97	0.88	0.84	0.84	0.66	100.10

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.34	0.00	1.00

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 2459XA 10218503

DATE/TIME PERFORMED: Sat Feb 7 08:04:38 2015

UNIT #: 3880TA HL6670

CALB JIG #: 4702NK DA-041

	BACKGROUND (cts)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	97.87	365.24	267.4	0.692	67.72	252.72	185

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 2459XA 10218503

DATE/TIME PERFORMED: Sat Feb 7 08:06:38 2015

UNIT #: 3880TA HL6670

VERI JIG #: 4702NK DA-041

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	97.69	370.71	0.692	67.59	256.50	188.91
						175.00 195.00

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH095176/CBL-tdg

CABLEHEAD

Diameter : 2.75"
Length : 2.25'
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

23.02'

NEAR RCVR 13.81'

FAR RCVR 12.85'

CCL 8.65'

GR 6.79'

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

NEU 1.40'

BULL PLUG 2 3/4

0.00'

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

	COMPANY	<u>WPX ENERGY</u>		FILE NO:	
	WELL	<u>MEAD RWF 531-23</u>		<u>CH095176</u>	
	FIELD	<u>RULISON</u>		API NO:	
	COUNTY	<u>GARFIELD</u>	STATE	<u>CO</u>	<u>05045200510000</u>
LOCATION:		ELEVATIONS:		23 6S 94W	
SHL: 2303' FSL & 226' FEL		KB 5625 FT		RWF 43-23 PAD	
BHL: 486' FNL & 2016' FEL		DF		NABORS 577	
GL 5599 FT		DATE		04-Mar-2015	
SEC <u>23</u> TWP <u>6S</u> RGE <u>94W</u>					