



FILE NO: CH097556	COMPANY WPX ENERGY
API NO: 05045225170000	WELL YOUBERG RU 434-7
	FIELD RULISON
	COUNTY GARFIELD
	STATE COLORADO

Ver. 4.01 7 7S 93W RU 44-7 PAD NABORS 576	LOCATION: SHL: 1105' FSL & 1195' FEL BHL: 691' FSL & 2144' FEL SEC 7 TWP 7S RGE 93W	OTHER SERVICES NONE
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB ELEVATION 26 FT 7917 FT ABOVE P.D.	KB DF GL ELEVATIONS: 7943 FT 7917 FT
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DATE	07-Jul-2015
RUN	1
SERVICE ORDER	US097556
DEPTH DRILLER	10098 FT
DEPTH LOGGER	10032 FT
BOTTOM LOGGED INTERVAL	10022 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	8:30
TIME FINISHED	11:30
OPERATOR RIG TIME	3 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	75 FT
LOGGED CEMENT TOP	SEE LOG
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	60 FMIN
MAX. RECORDED TEMP.	252 DEGF
REFERENCE LOG	NONE
REFERENCE LOG DATE	NA
EQUIP. NO.	6670
LOCATION	GRAND JCT.
RECORDED BY	P. EDWARDS
WITNESSED BY	B. O'DELL

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	1316 FT
8.75 IN	1316 FT	10098 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			26 FT	1316 FT
4.5 IN	11.6 LB/F	P-110	26 FT	10098 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 11/JUN/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 30 feet.

Logged with zero PSI at wellhead.

BHT = 252 degF

SJ = 6698' - 6720'

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10417452	CENTRALIZED
1	1	CCL/GR	1355XA	11871508	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: Tue Jul 7 11:55:44 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH097556/n012gR01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 30.750 ft BOTTOM DEPTH: 10042.750 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

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

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	185	us	TOP	BOTTOM
	AMP WINDOW LENGTH	30	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-69	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 7 11:27:55 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 7 11:27:55 2015	FAR WAVE FORM
F1:GR	Jul 7 11:27:55 2015	GAMMA RAY
F1:TTN	Jul 7 11:27:55 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

CURVE MEASURE POINT OFFSET

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

Presentation
: HL6670:/dat1a/CH097556/WPX_CBL_PRIMARY_PRESENTATION.fvpdf [5"/100' Scale]

Plot Interval
: 0 - 10079 Feet

Data File 1
: F1 : HL6670:/dat1a/CH097556/n012gR01MAIN434.xtf

Created On
: Jul 7 11:27:55 2015

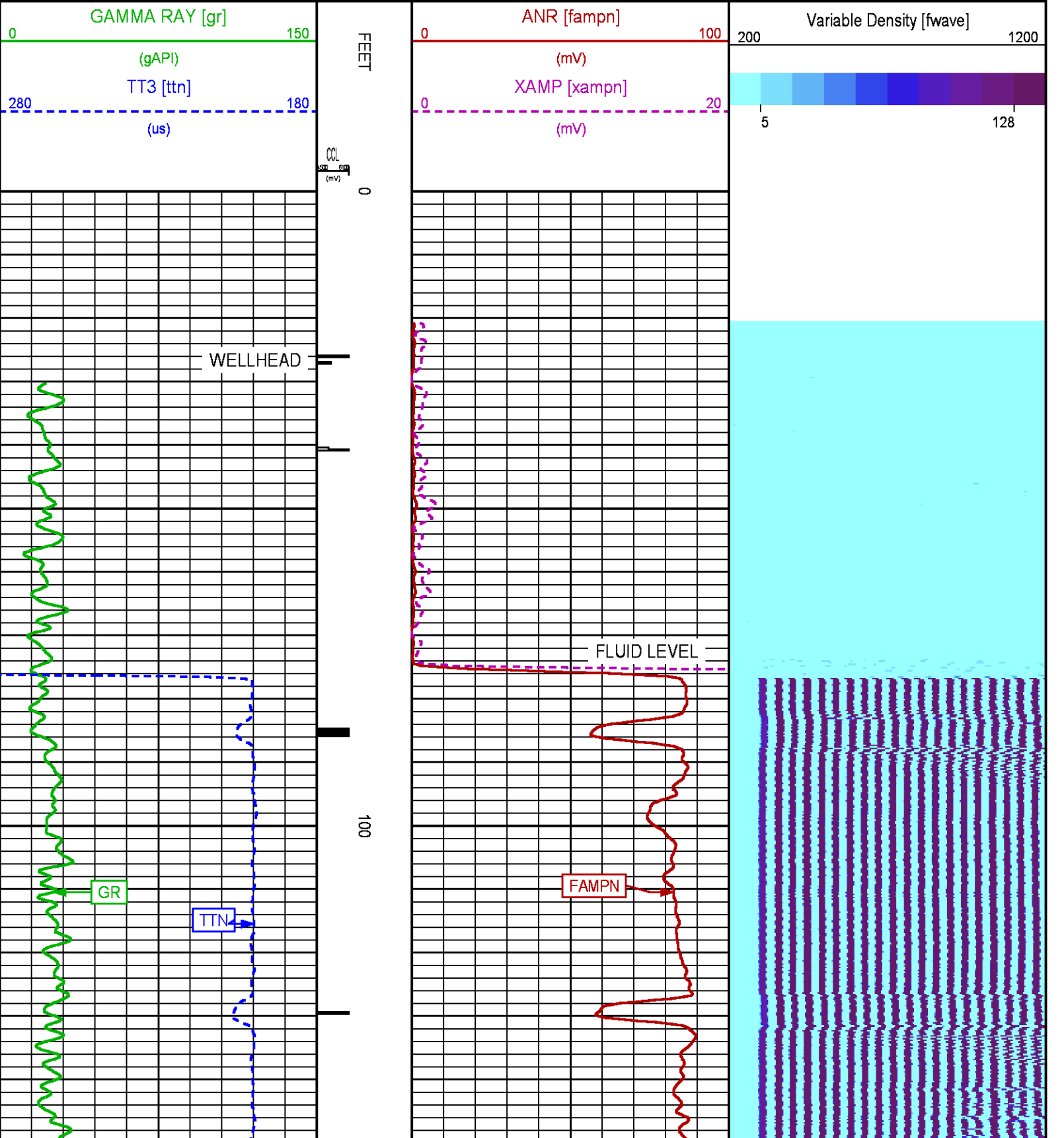
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: WPX ENERGY

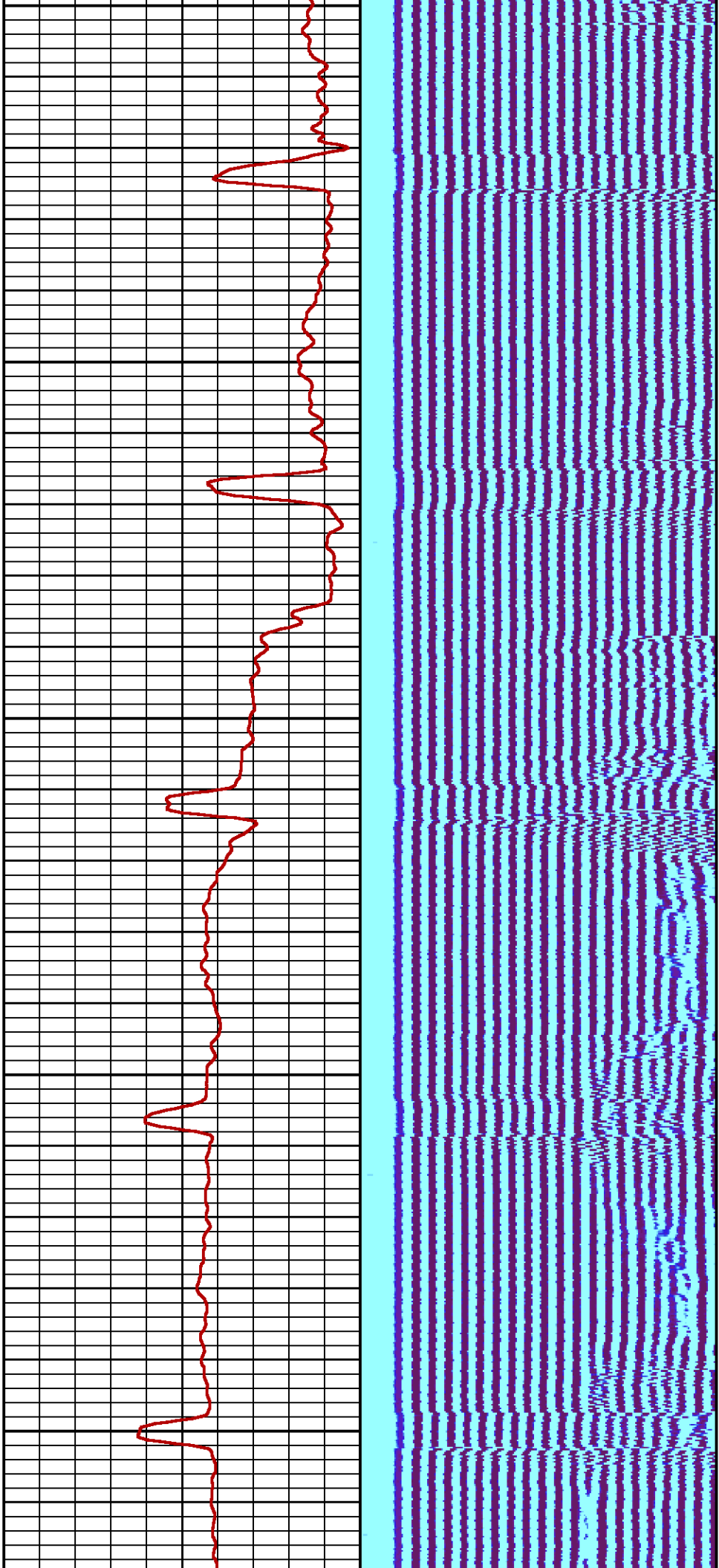
Well
: YOUNBERG RU 434_7

Field
: RULISON

File Interval
: 19.5 - 10042.8 Feet

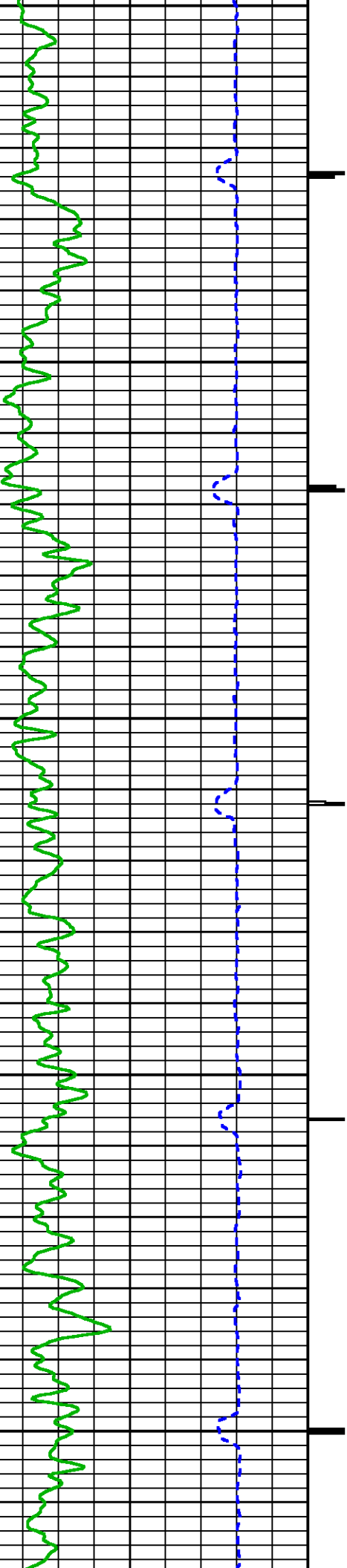
OCT
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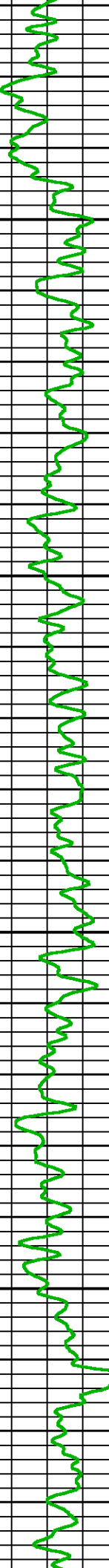
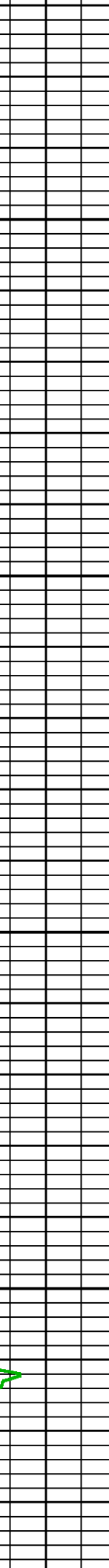
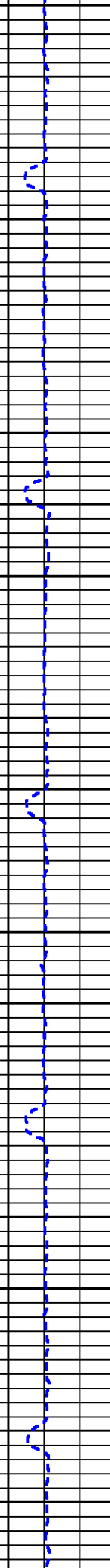
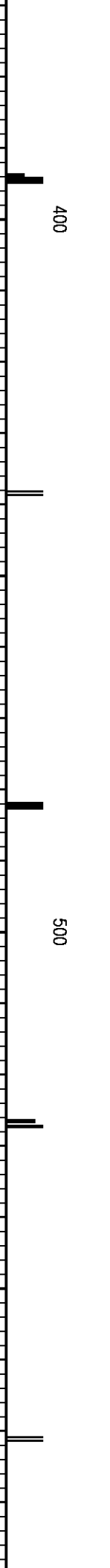
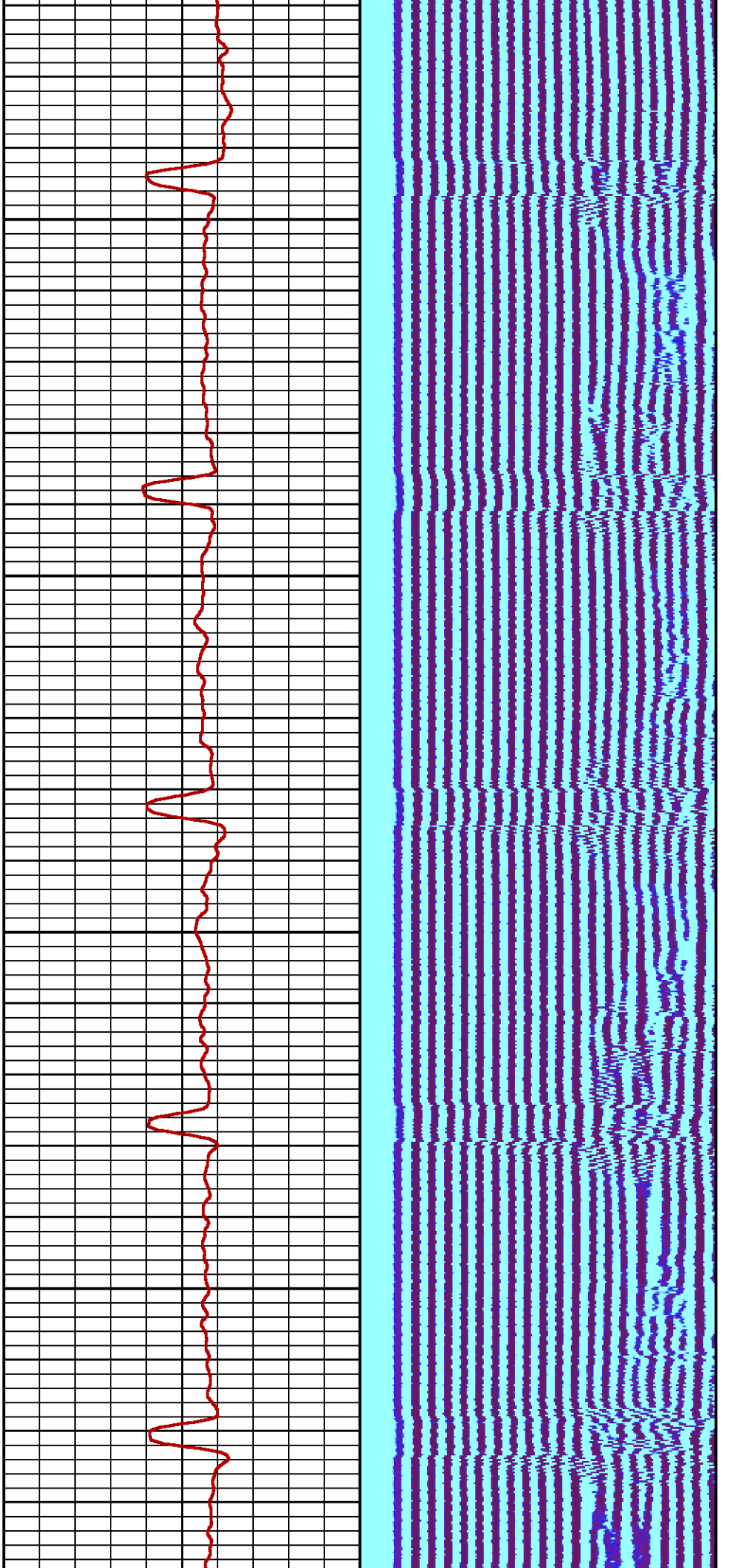


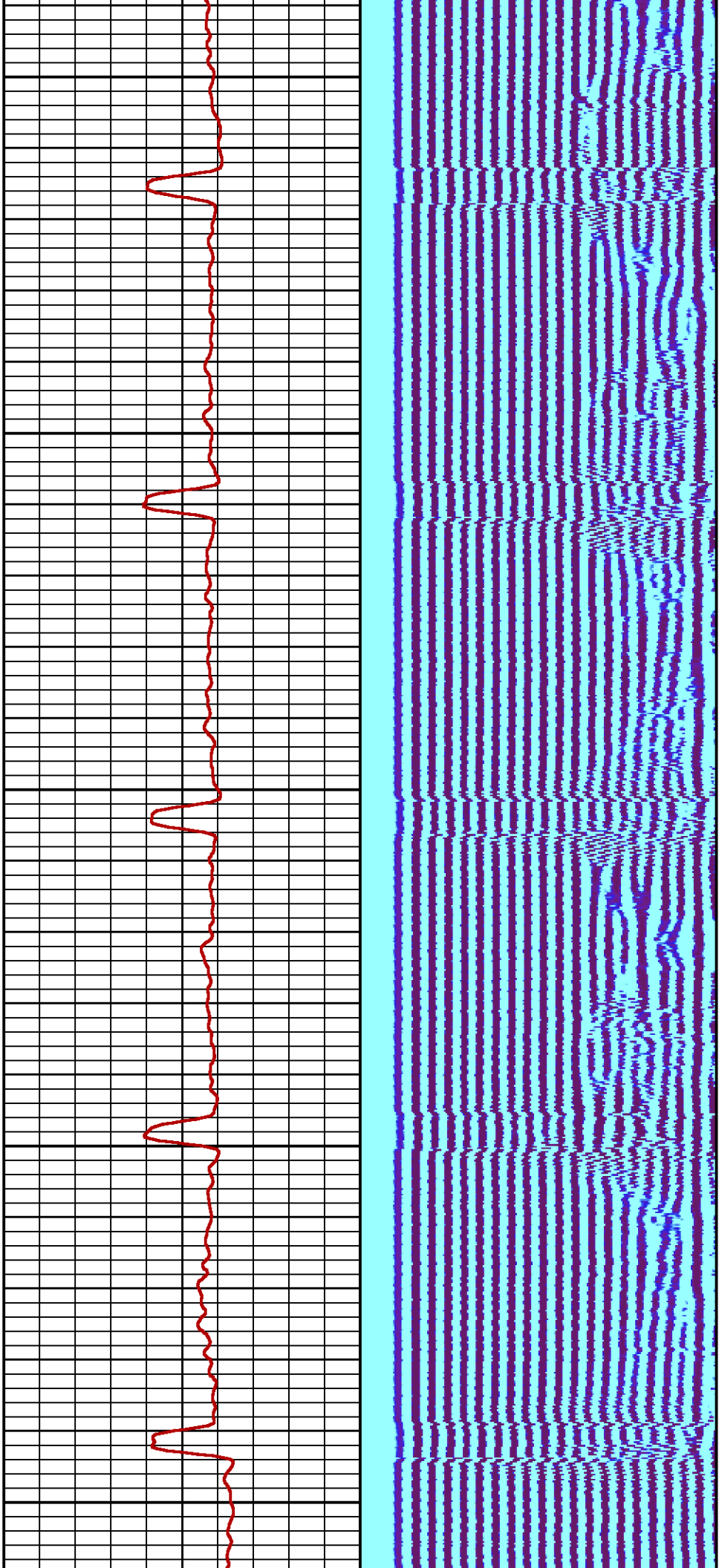


200

300



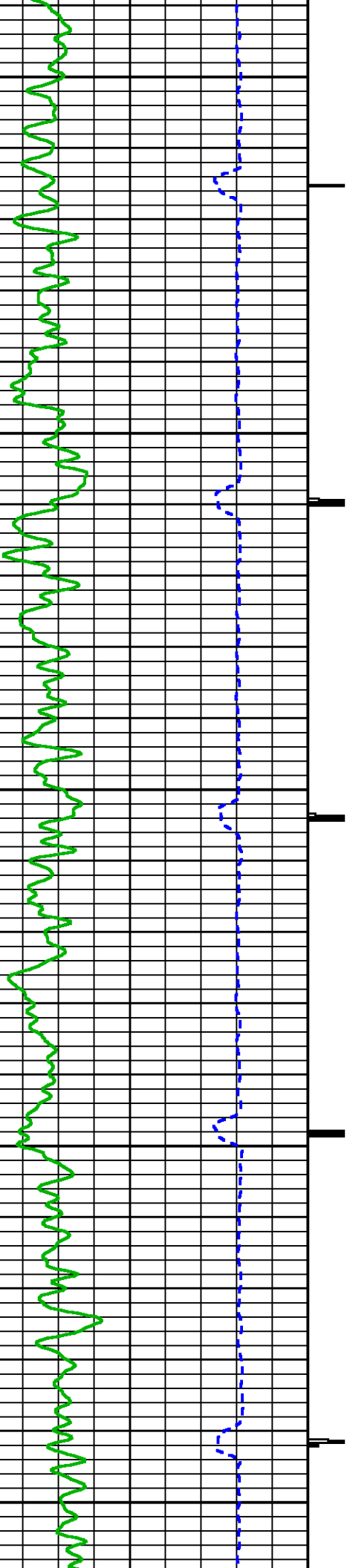


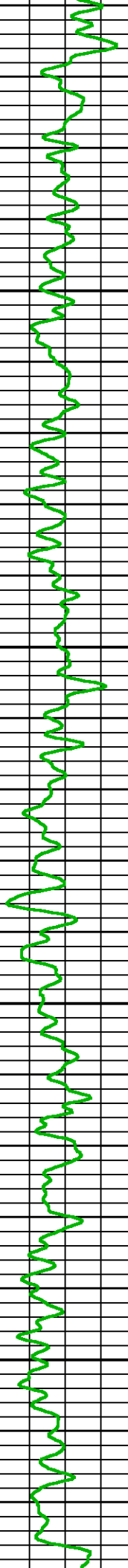
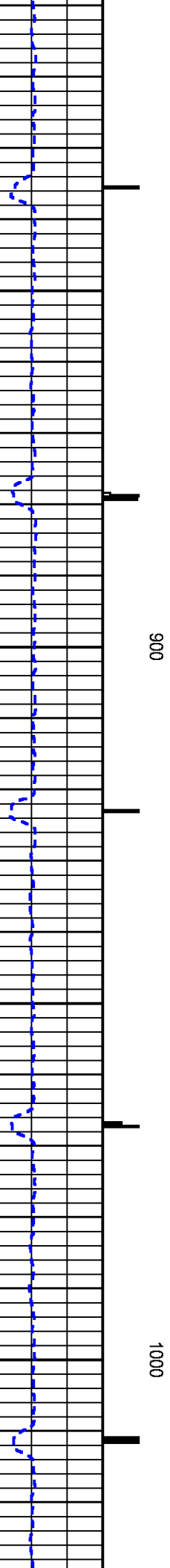
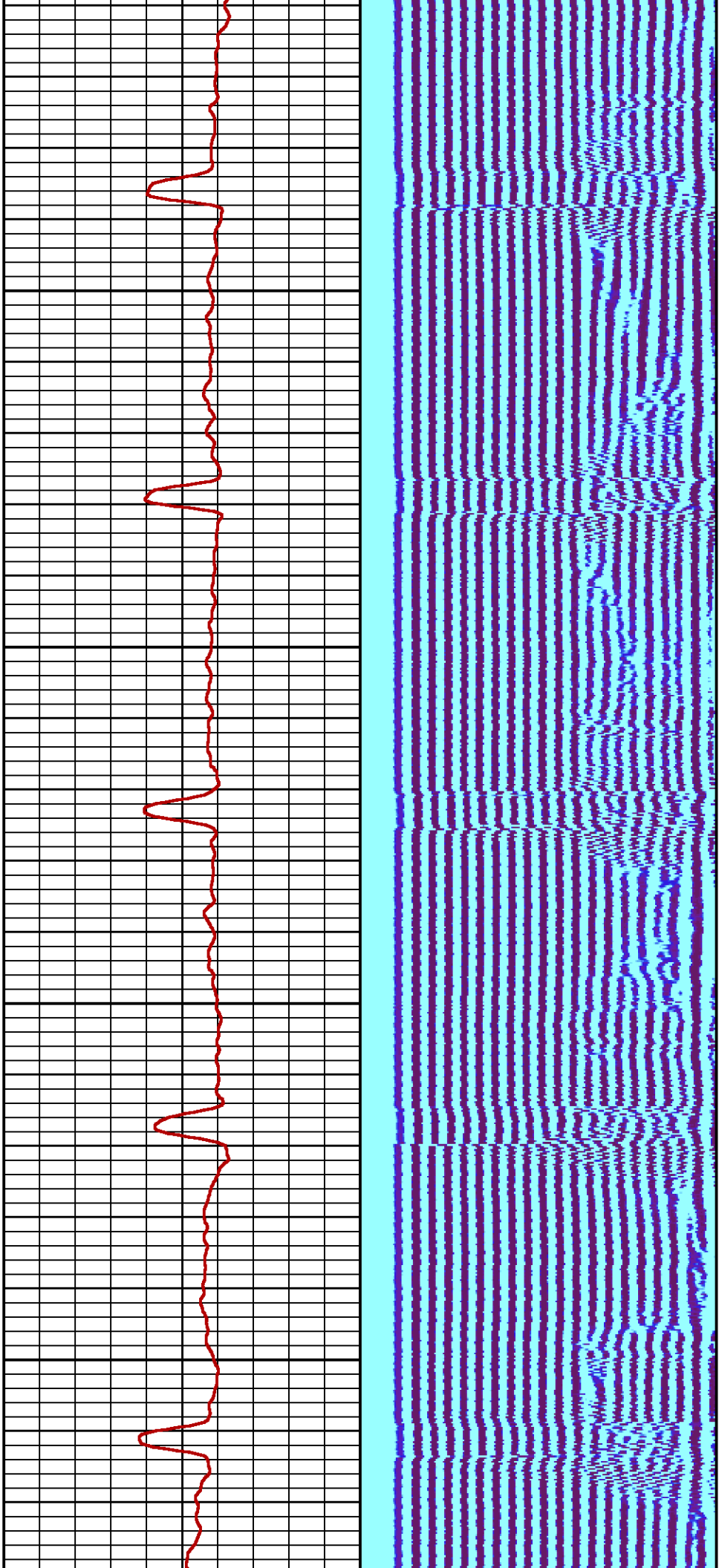


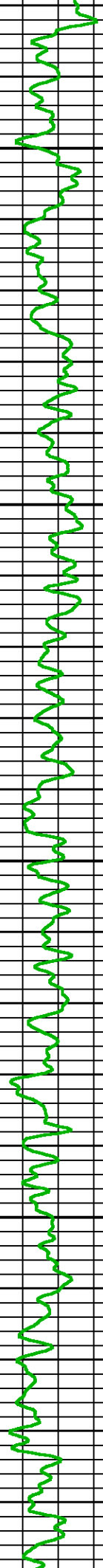
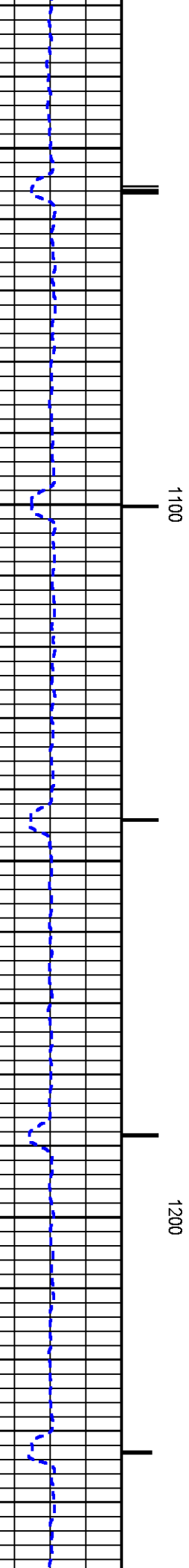
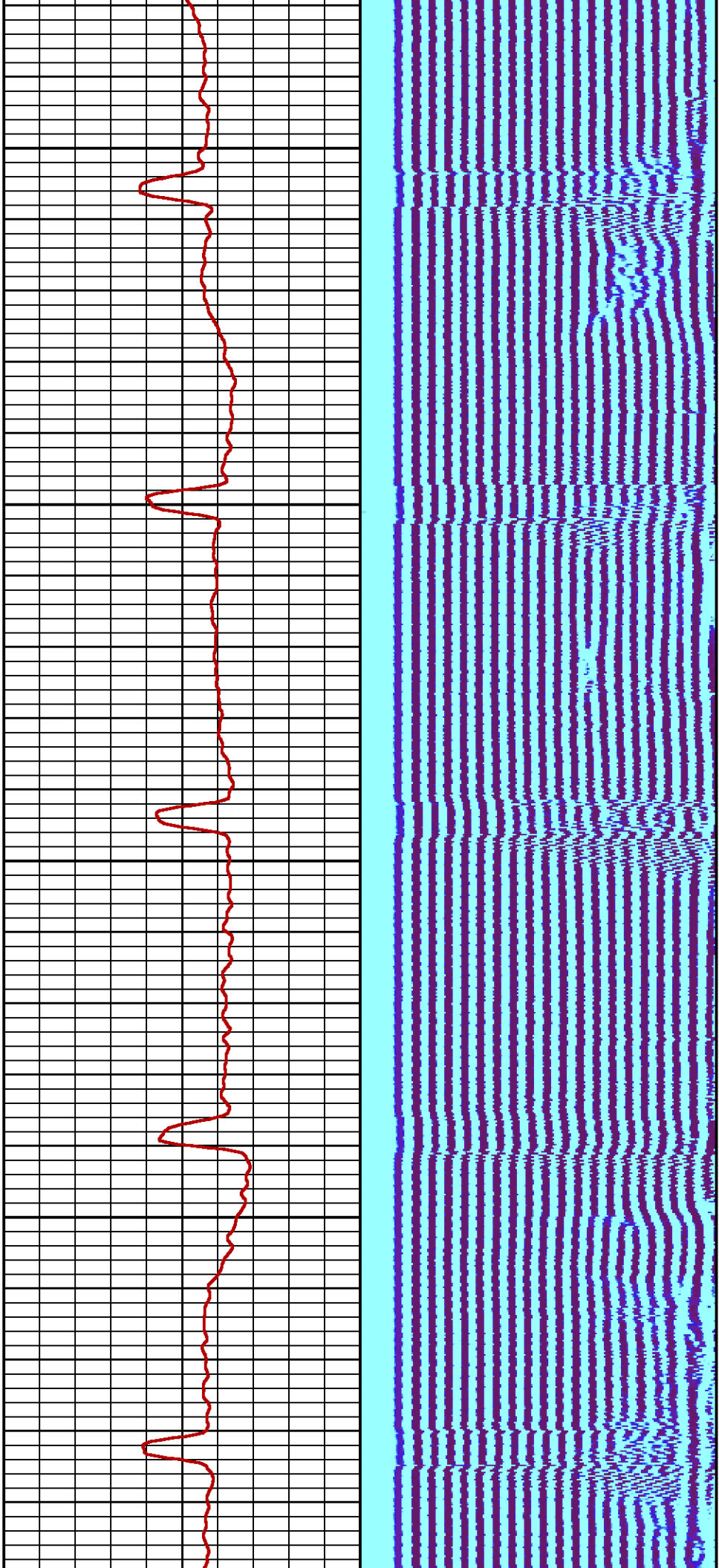
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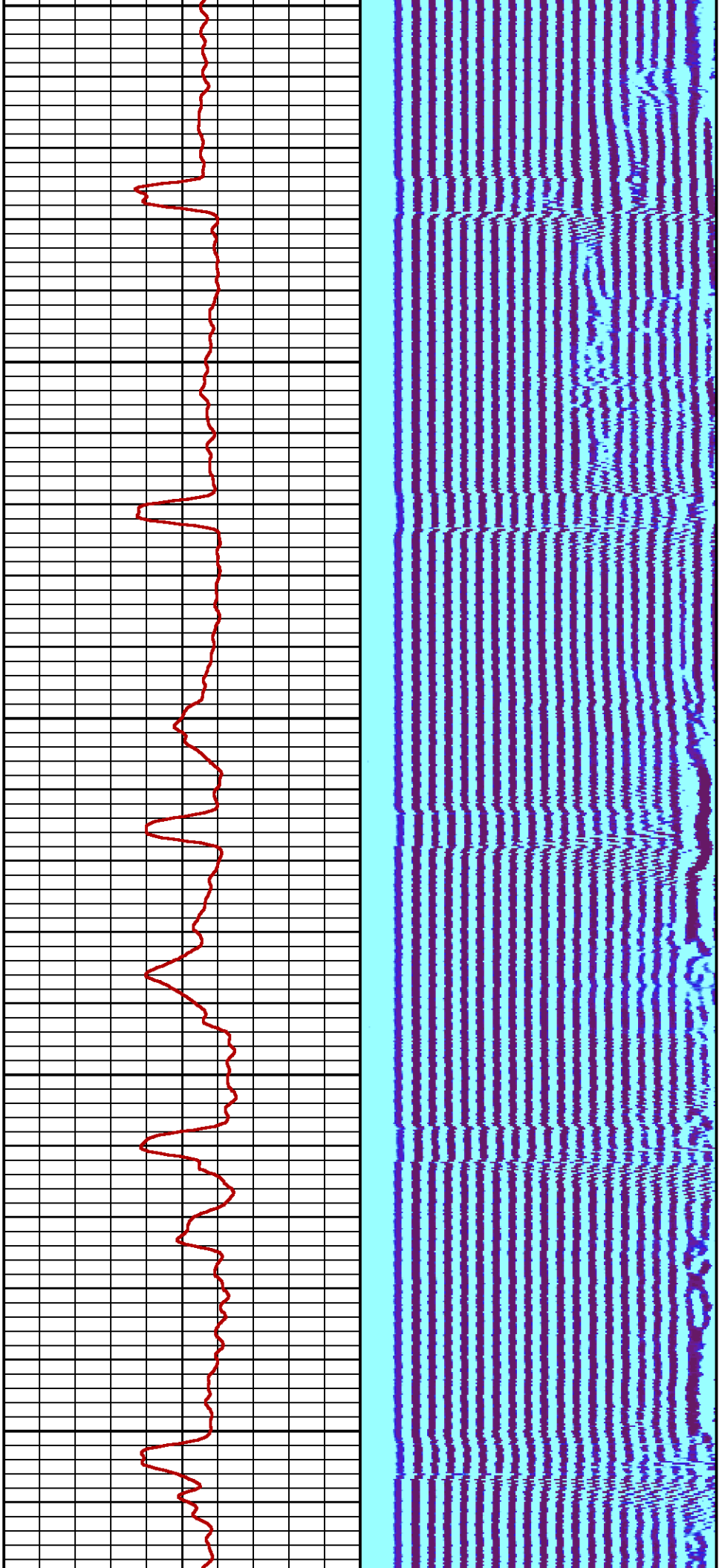
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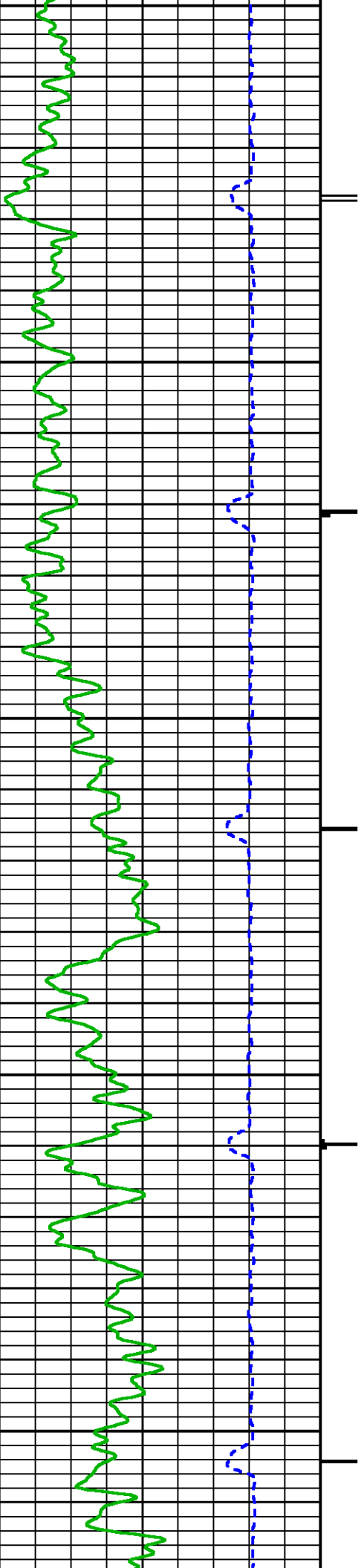


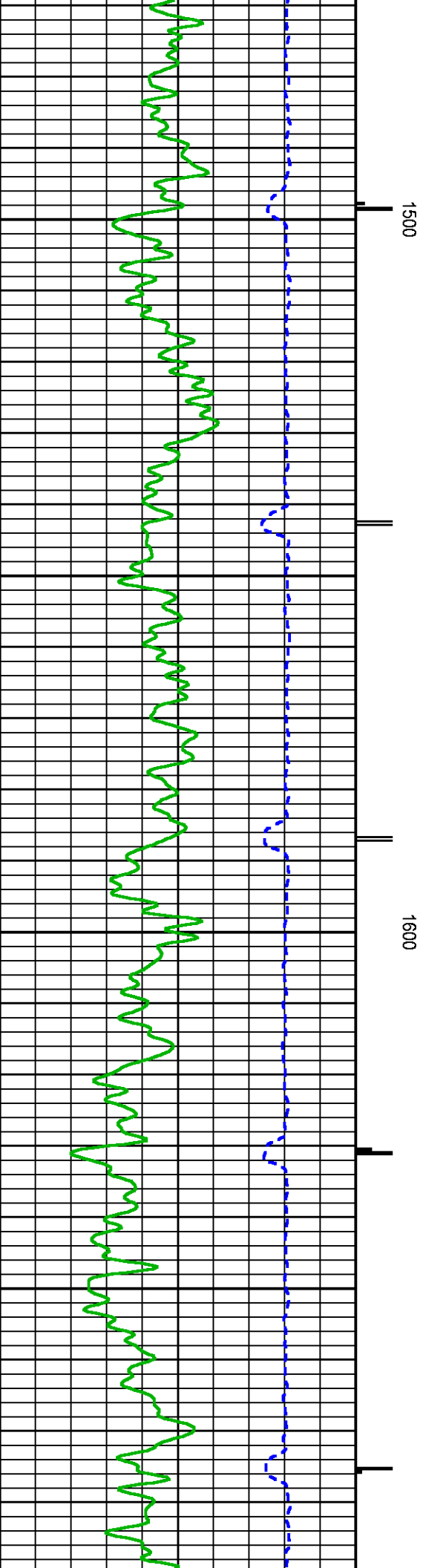
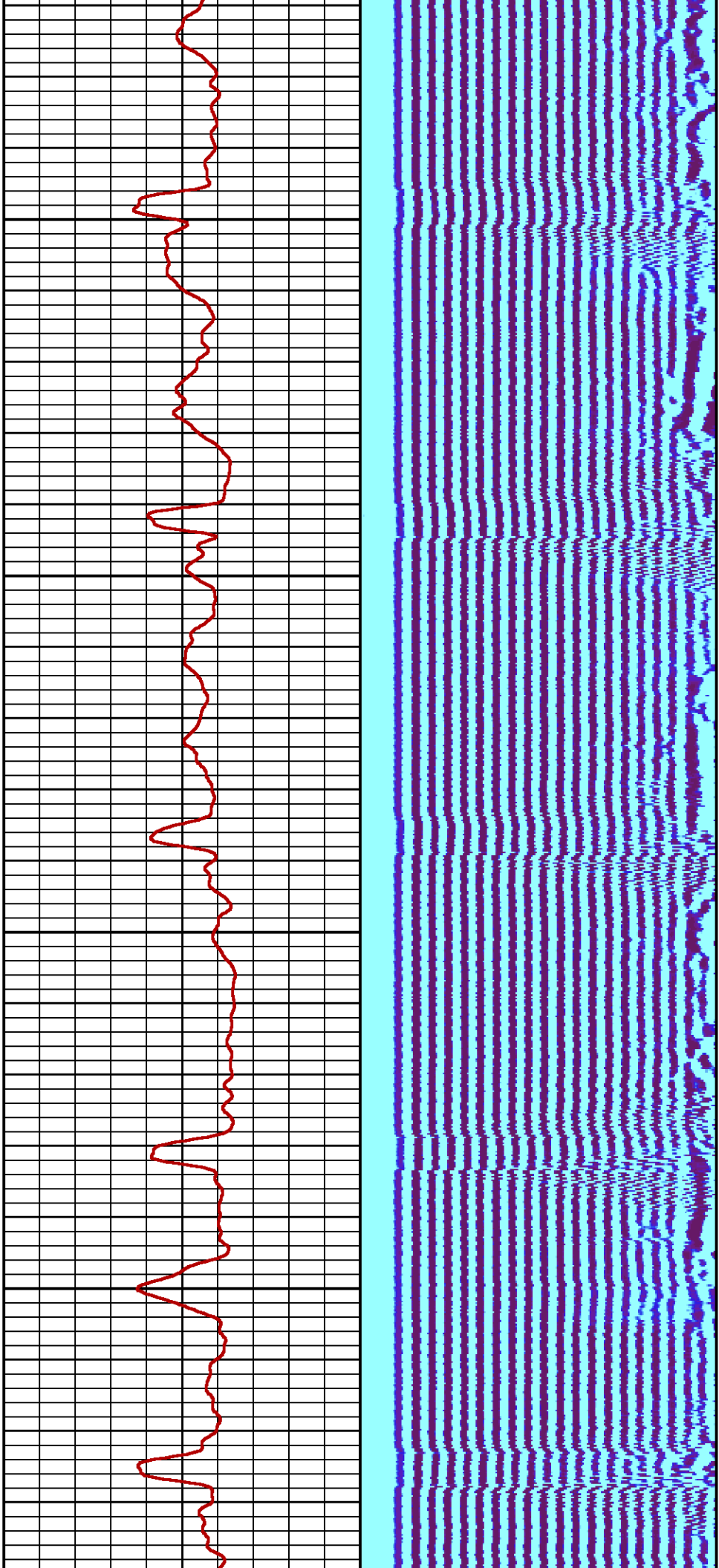


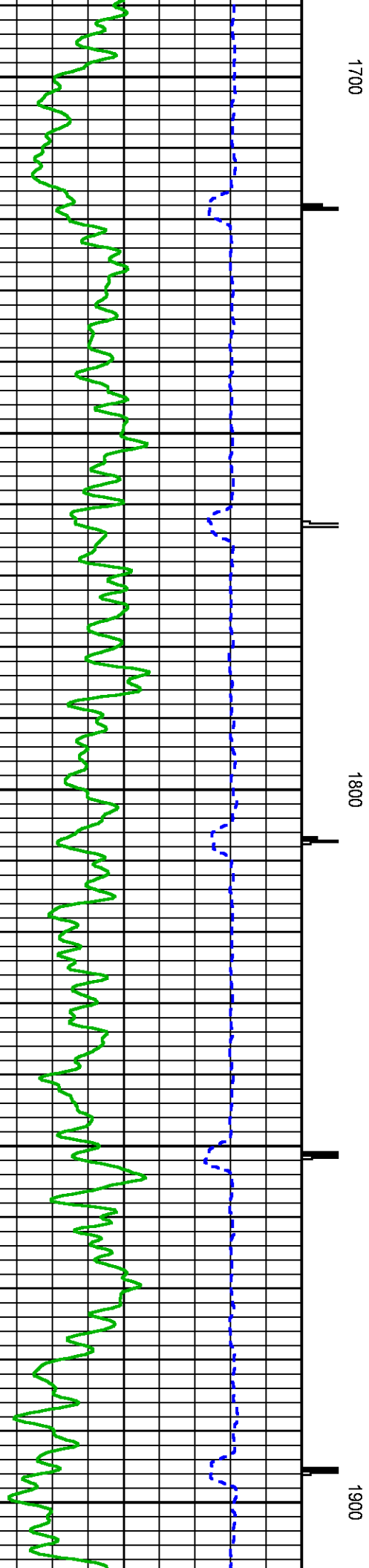
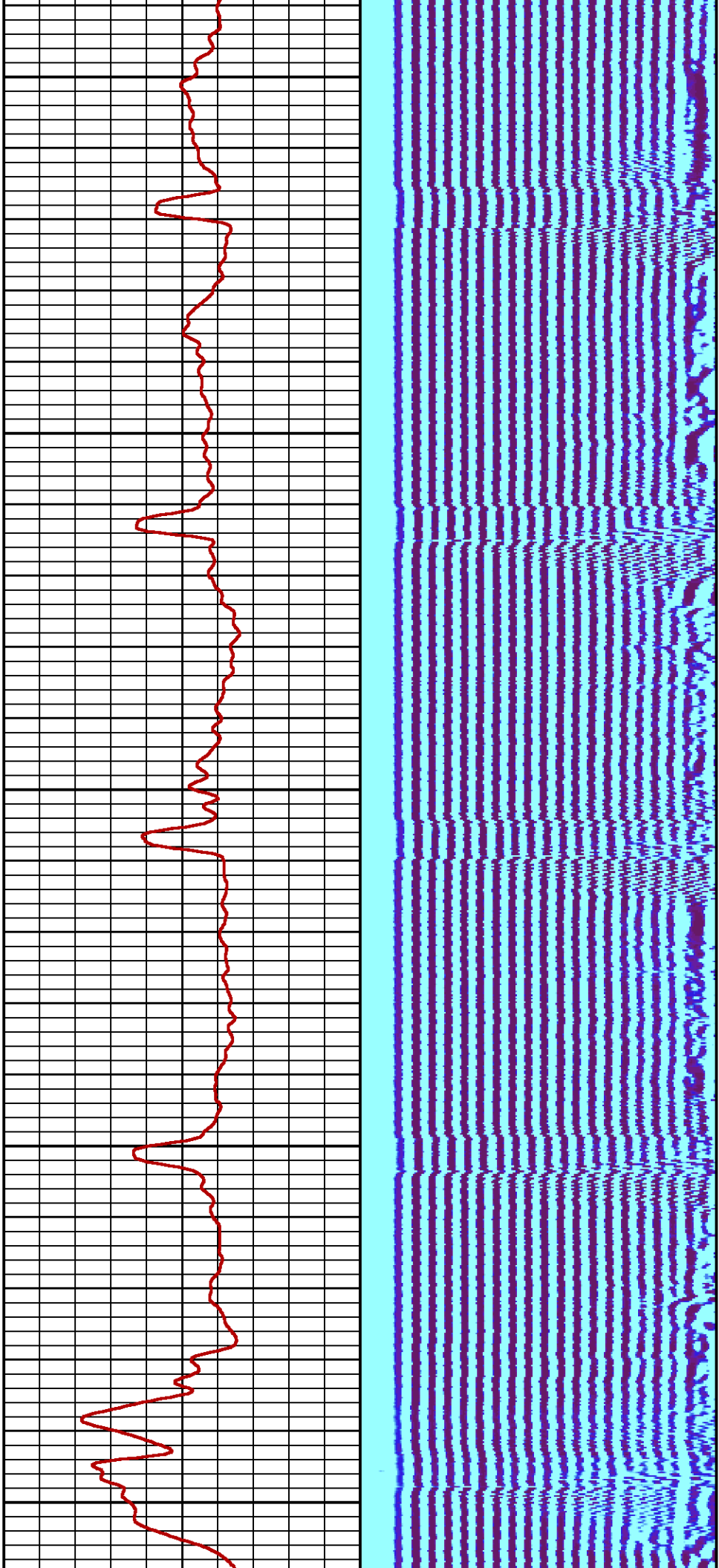


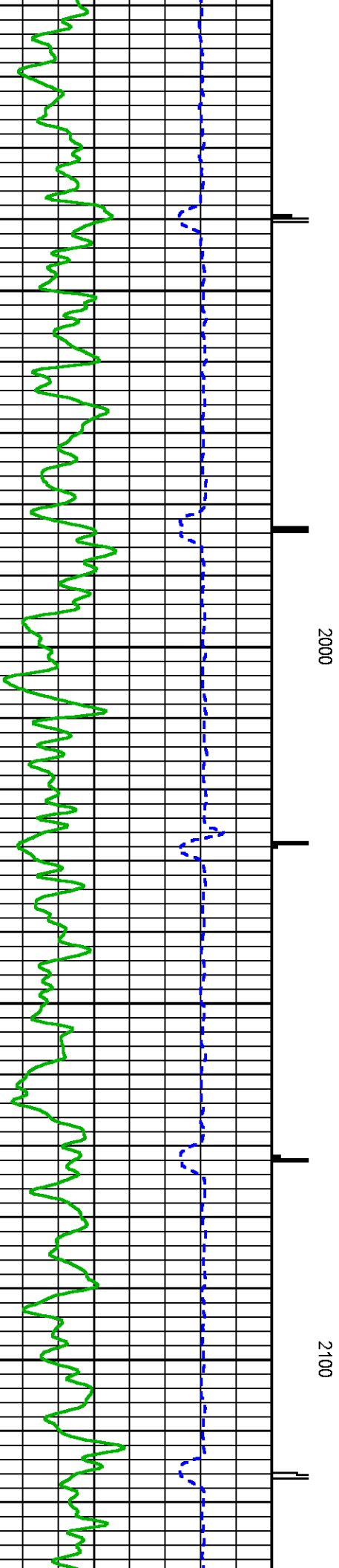
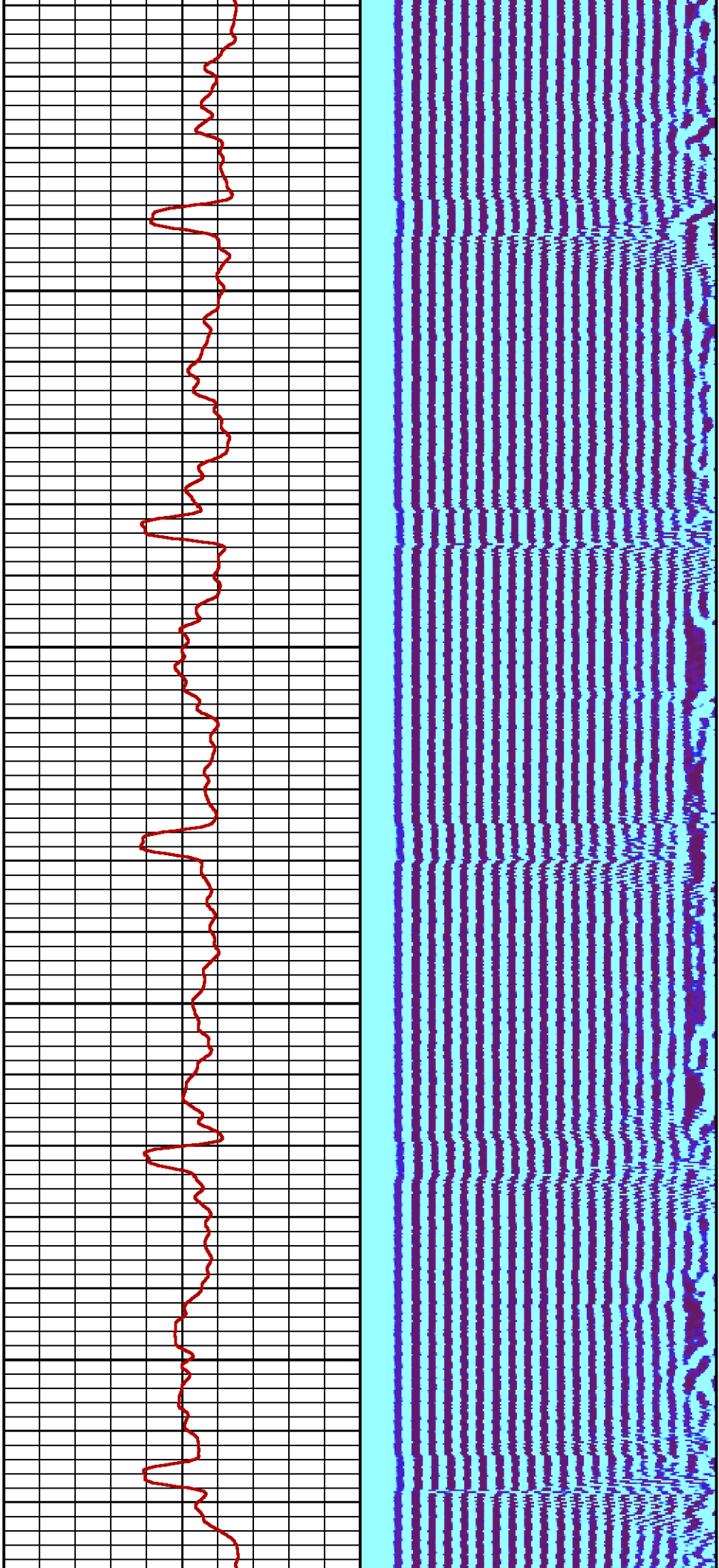
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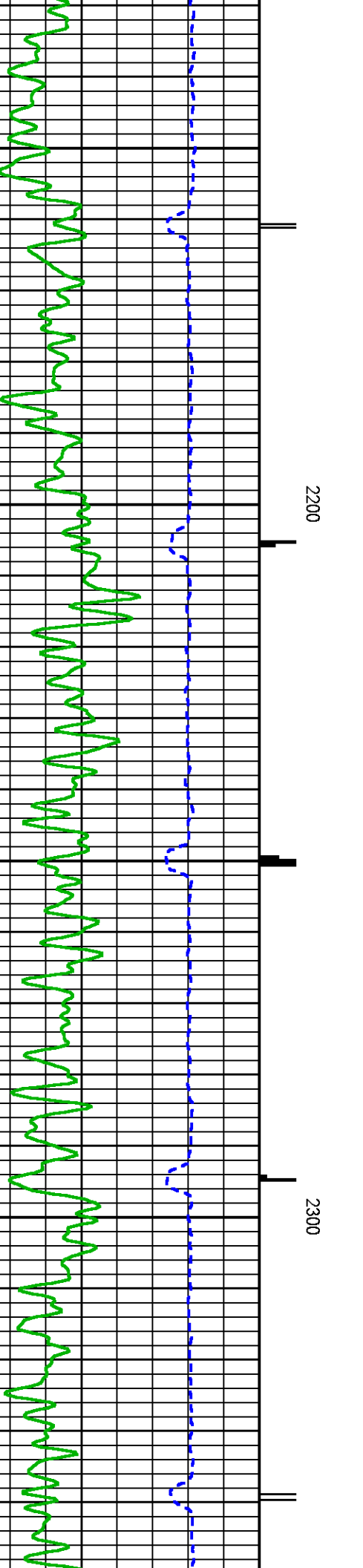
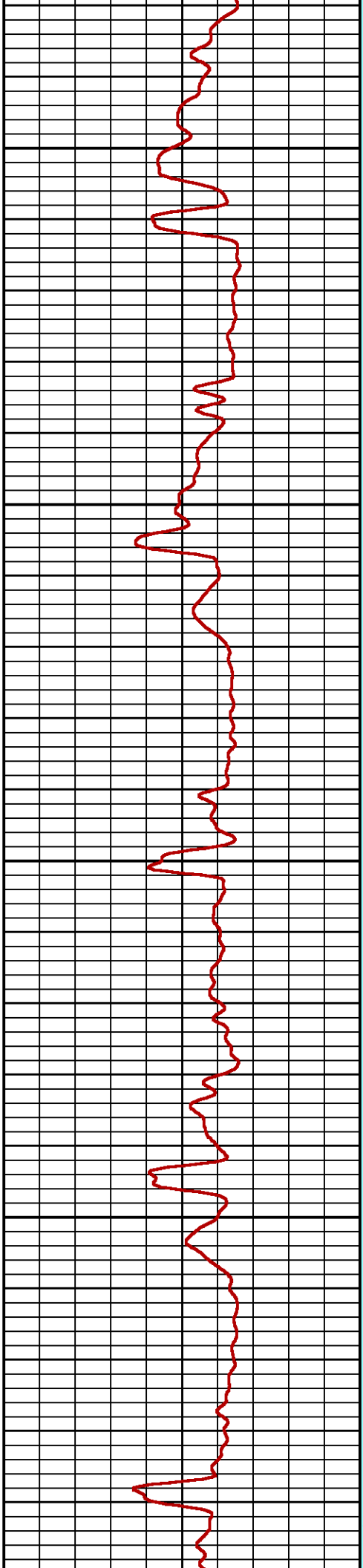
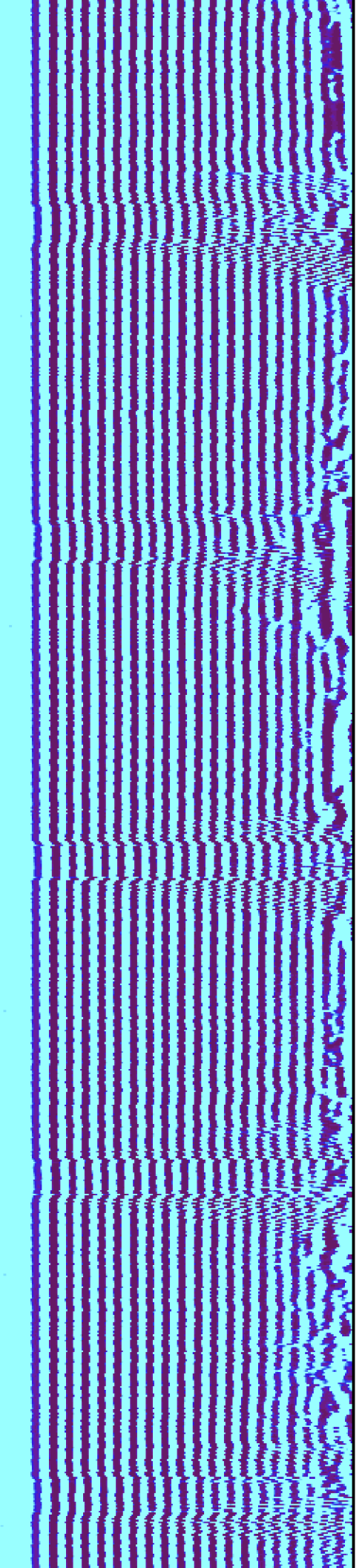


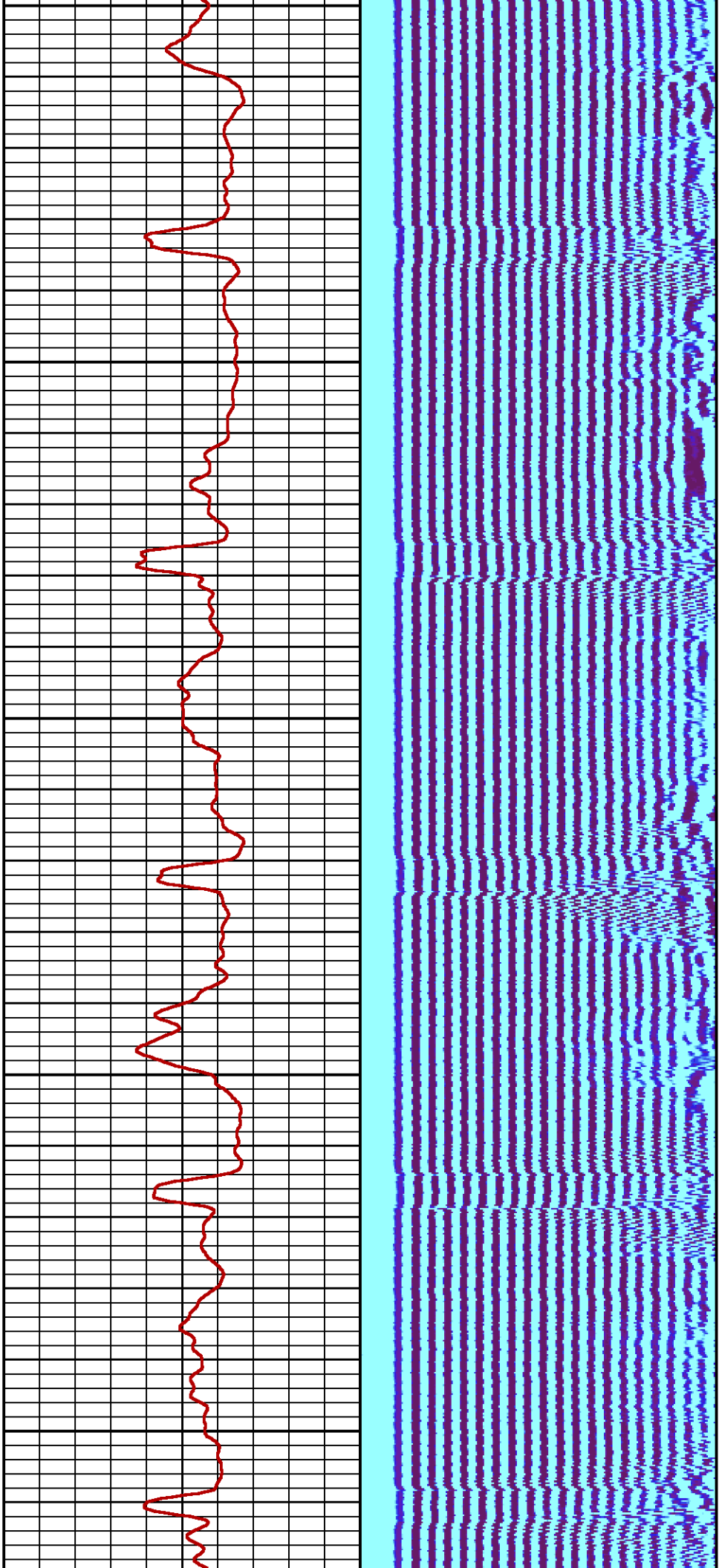




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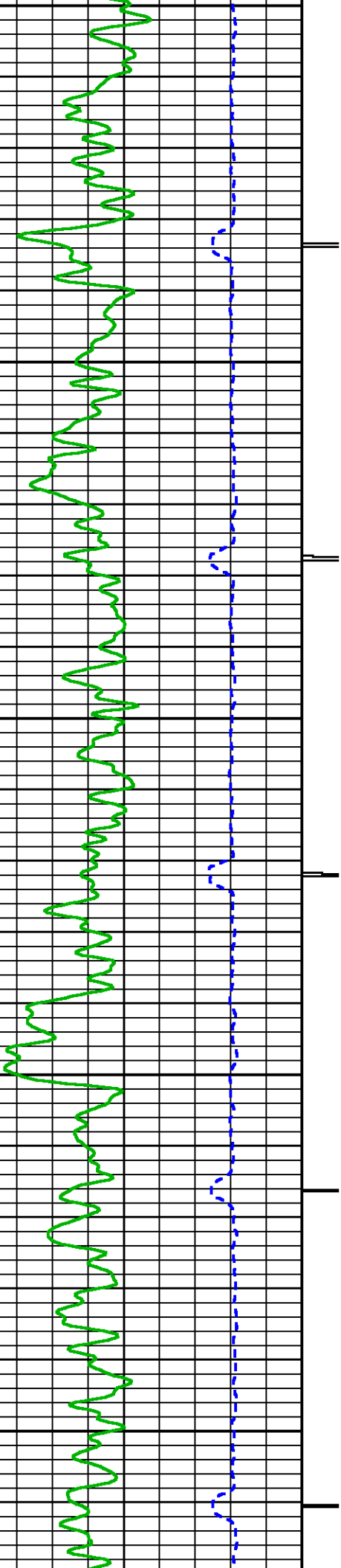
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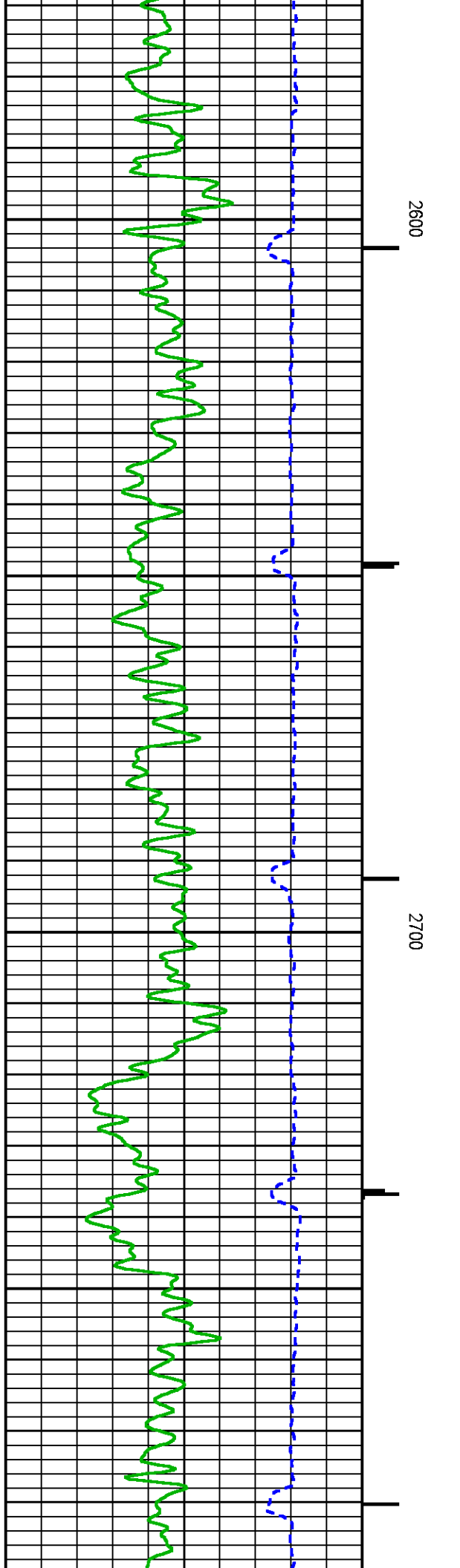
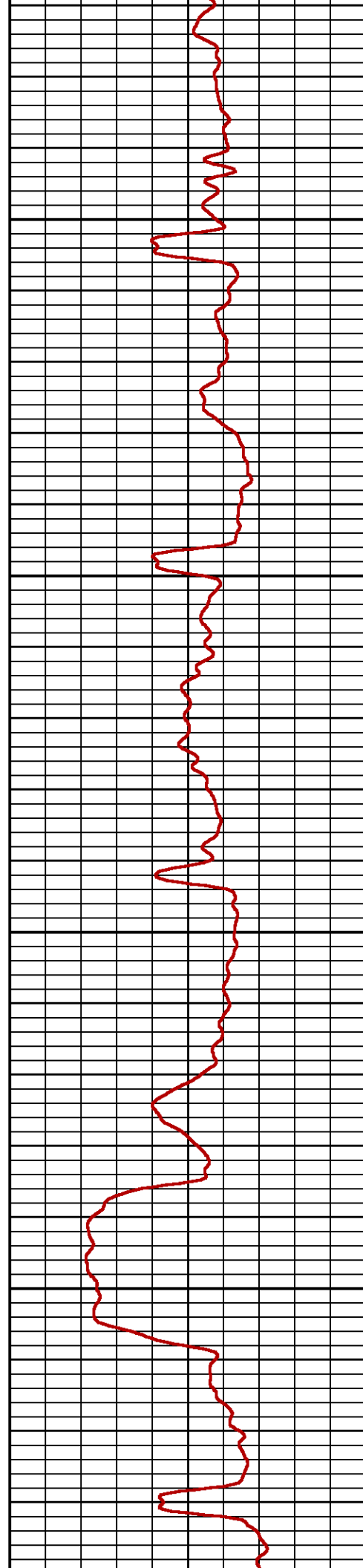
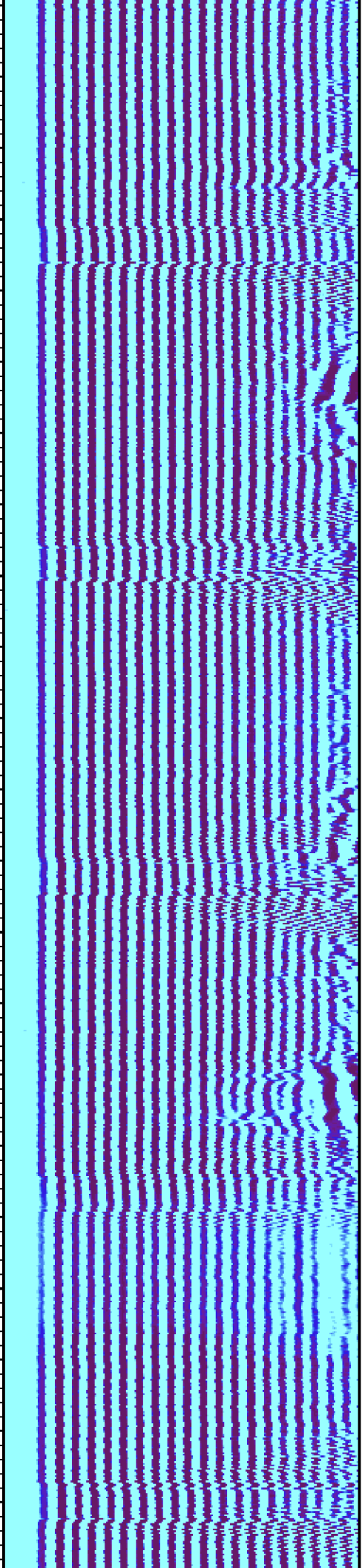


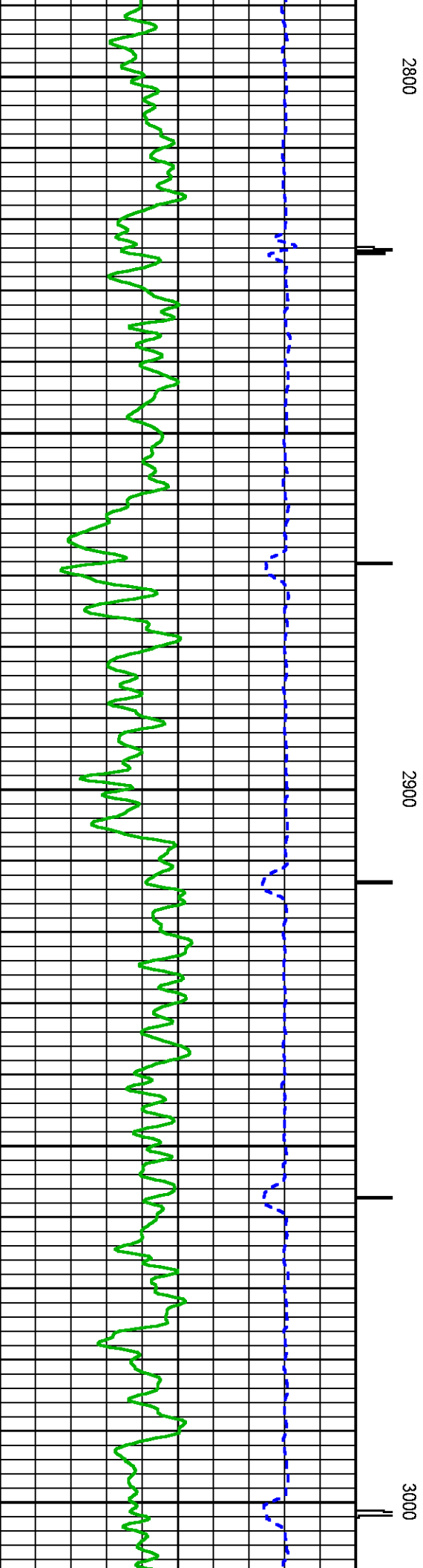
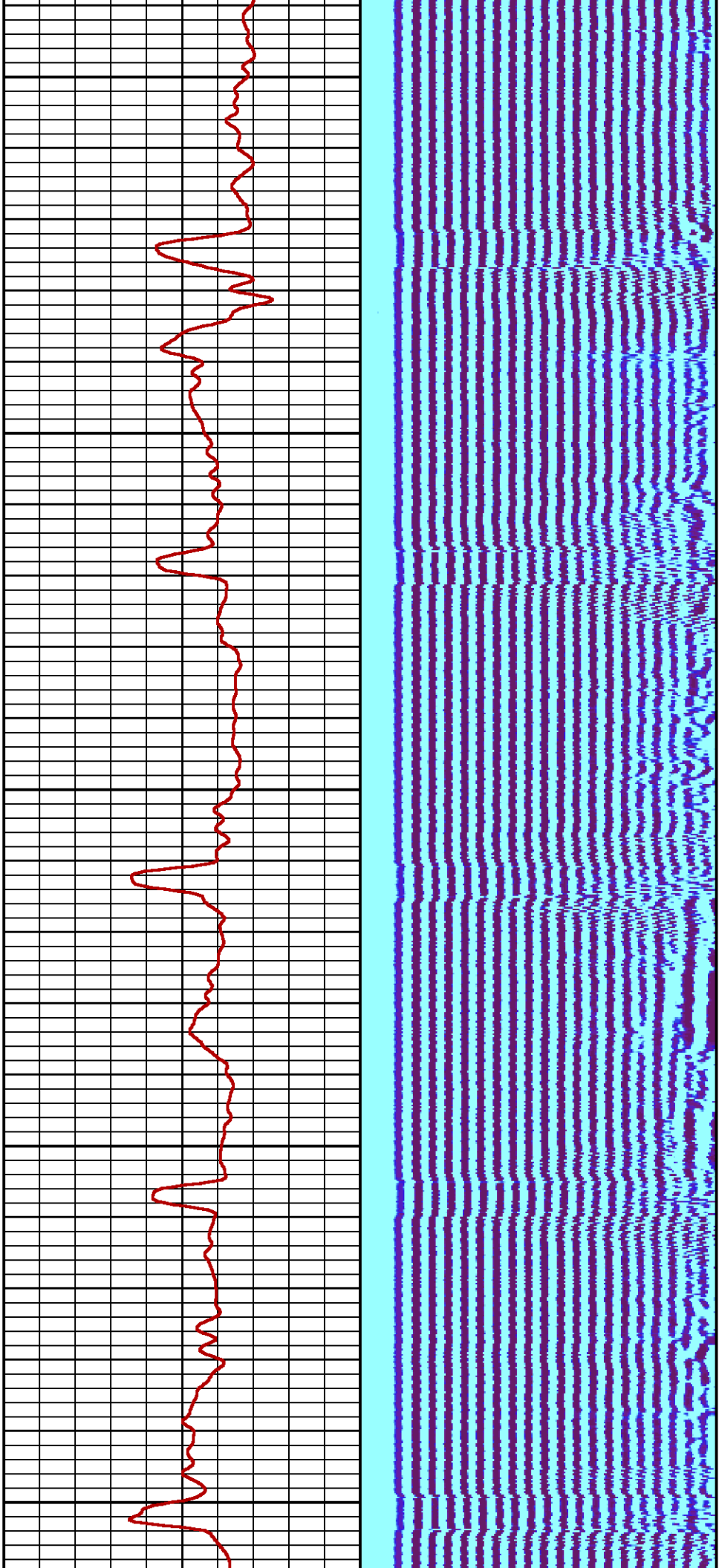


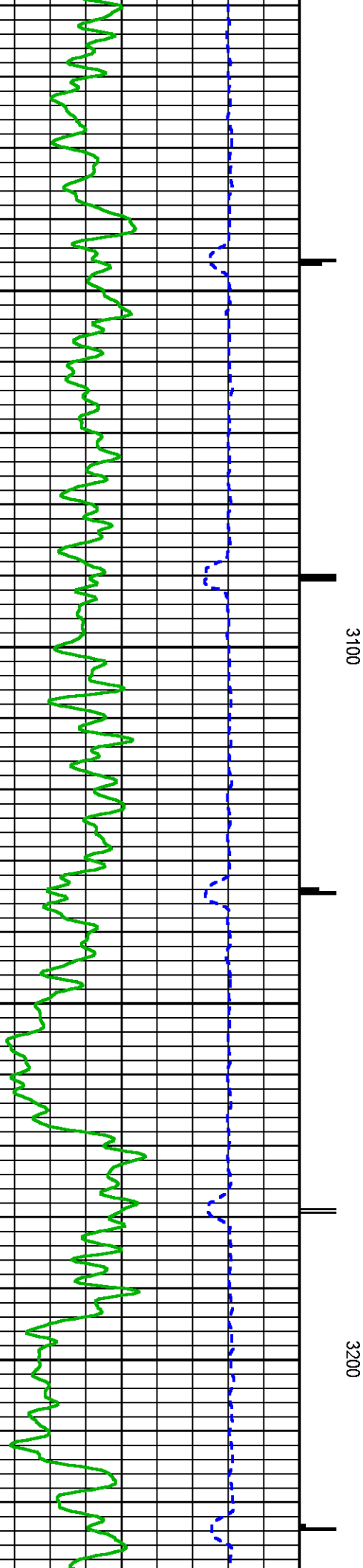
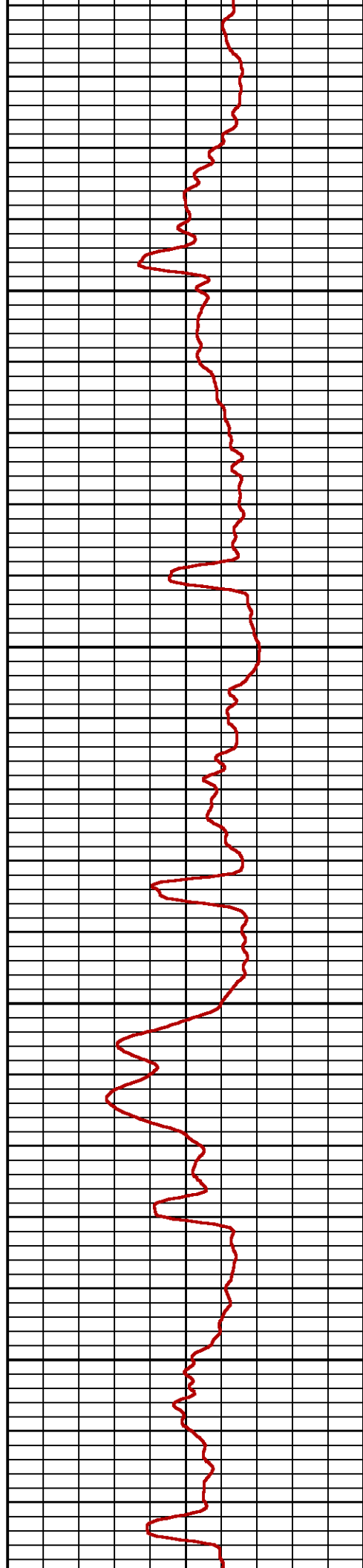
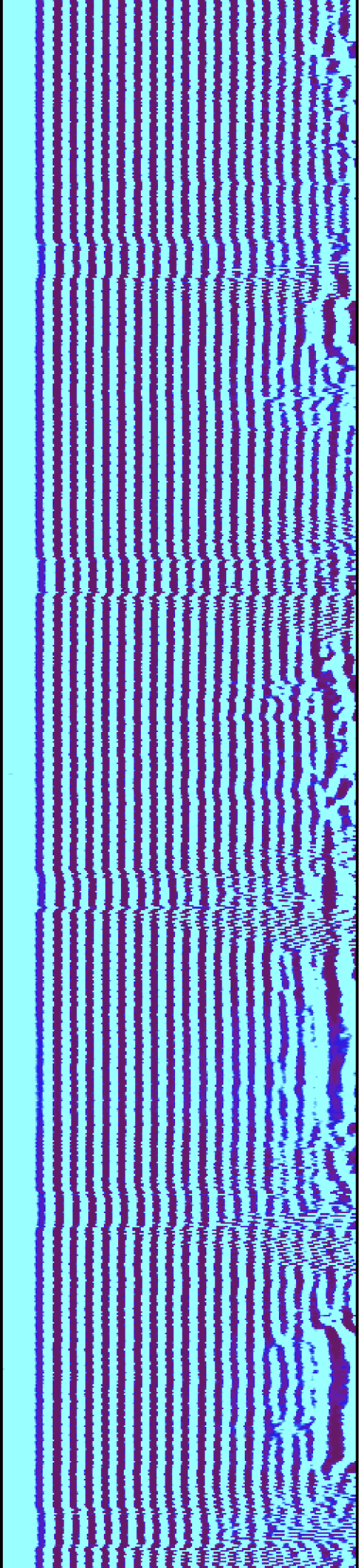
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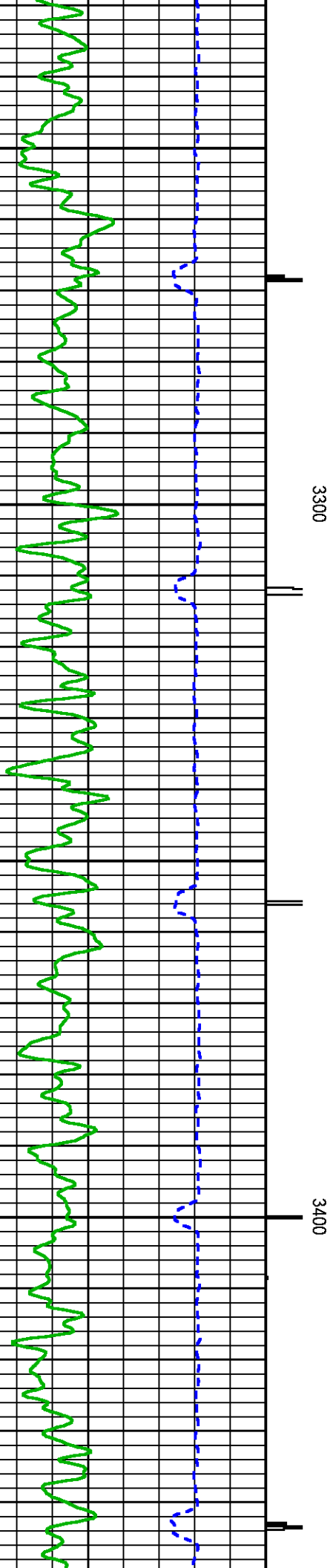
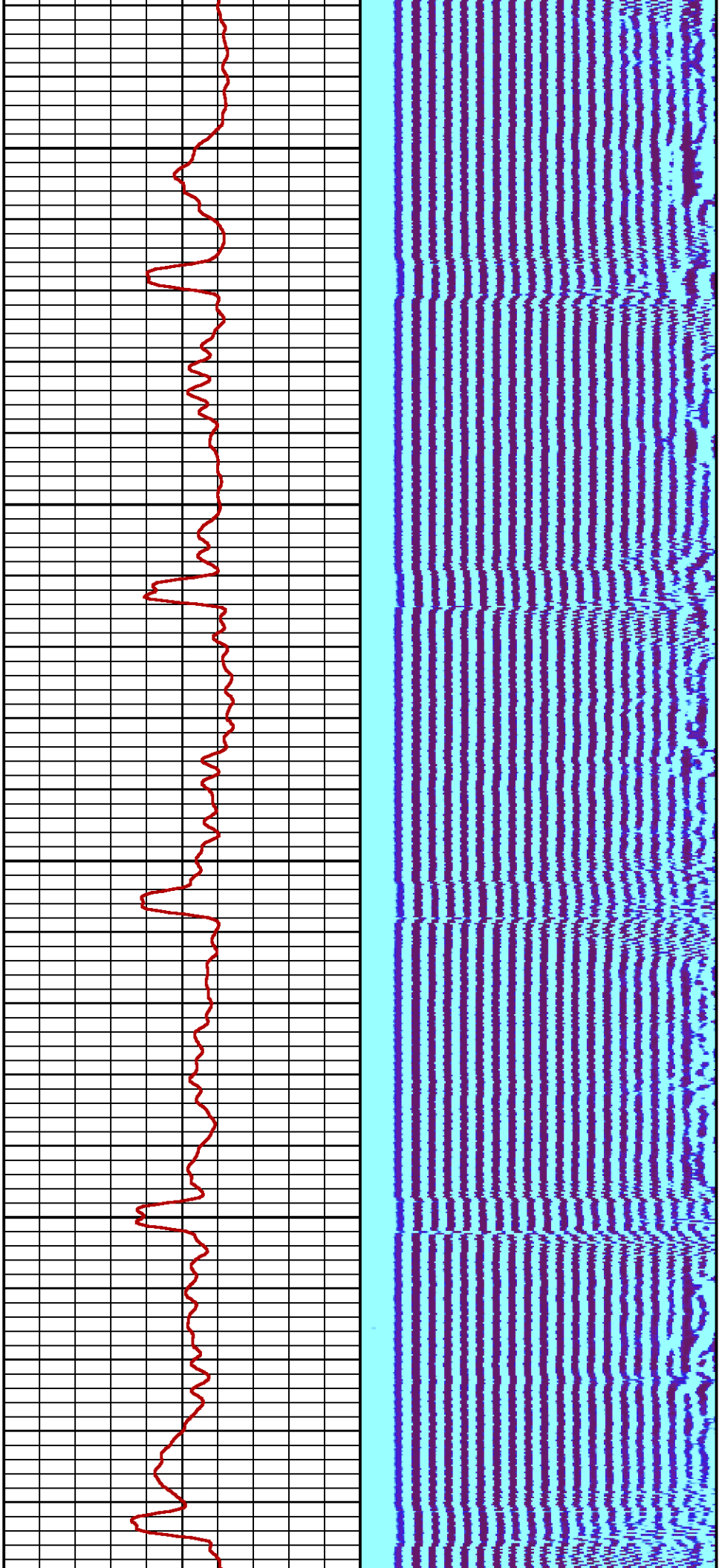
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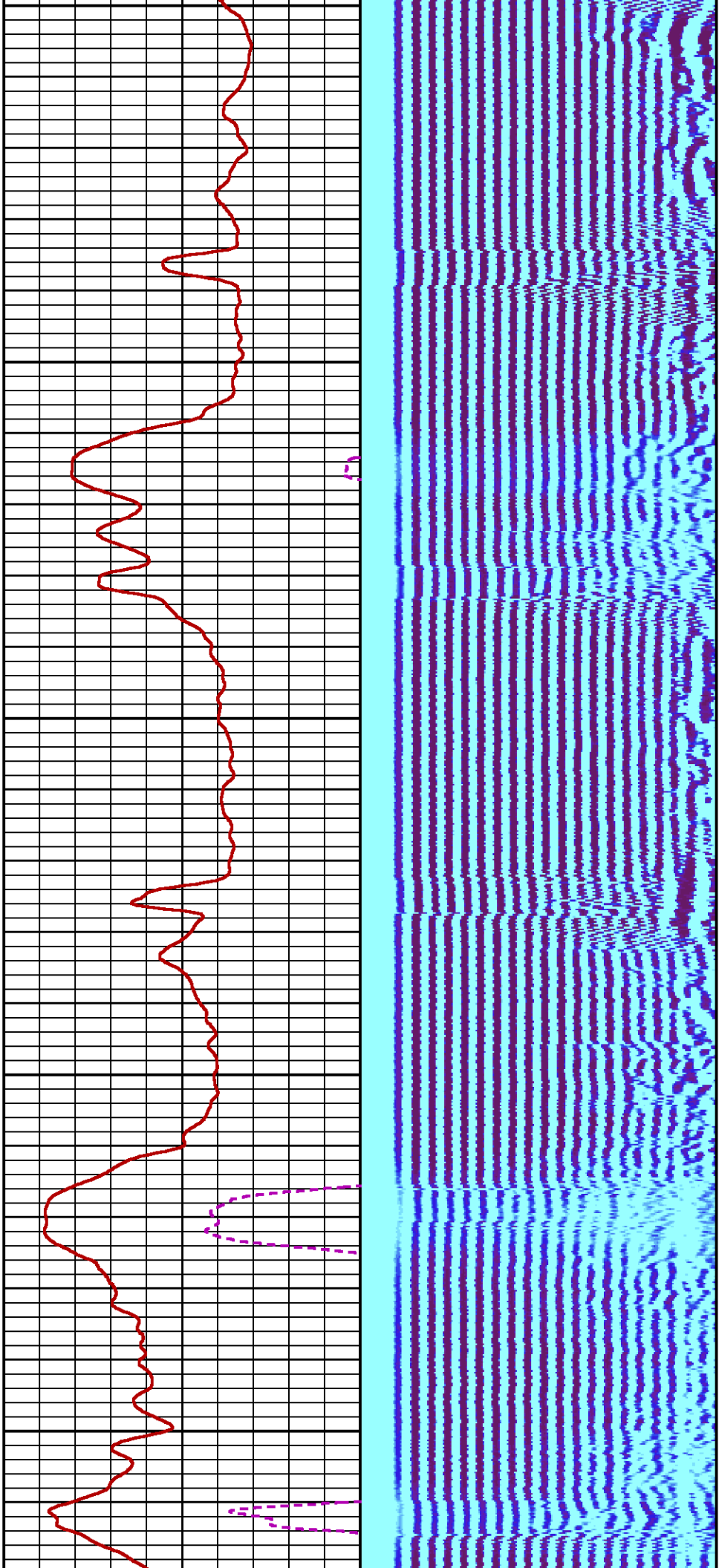






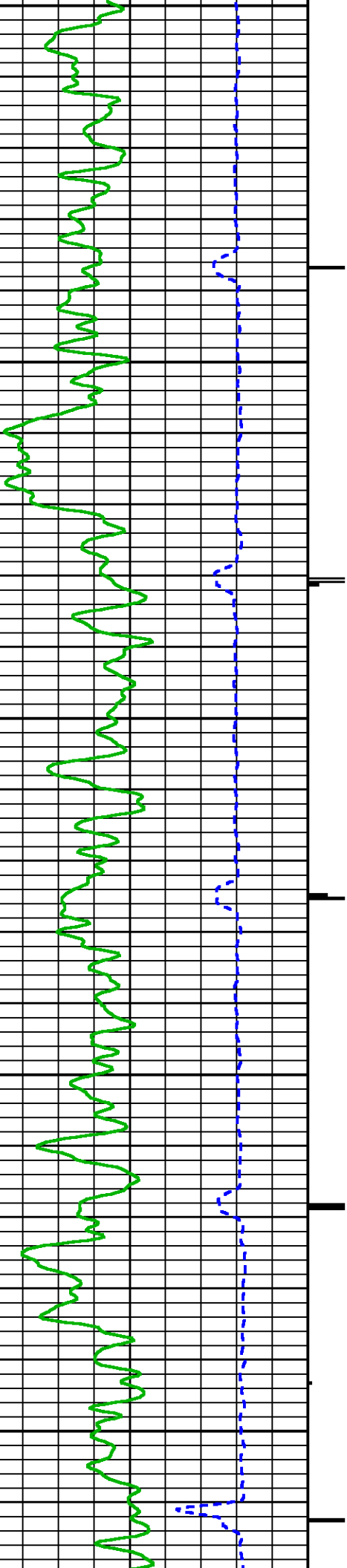


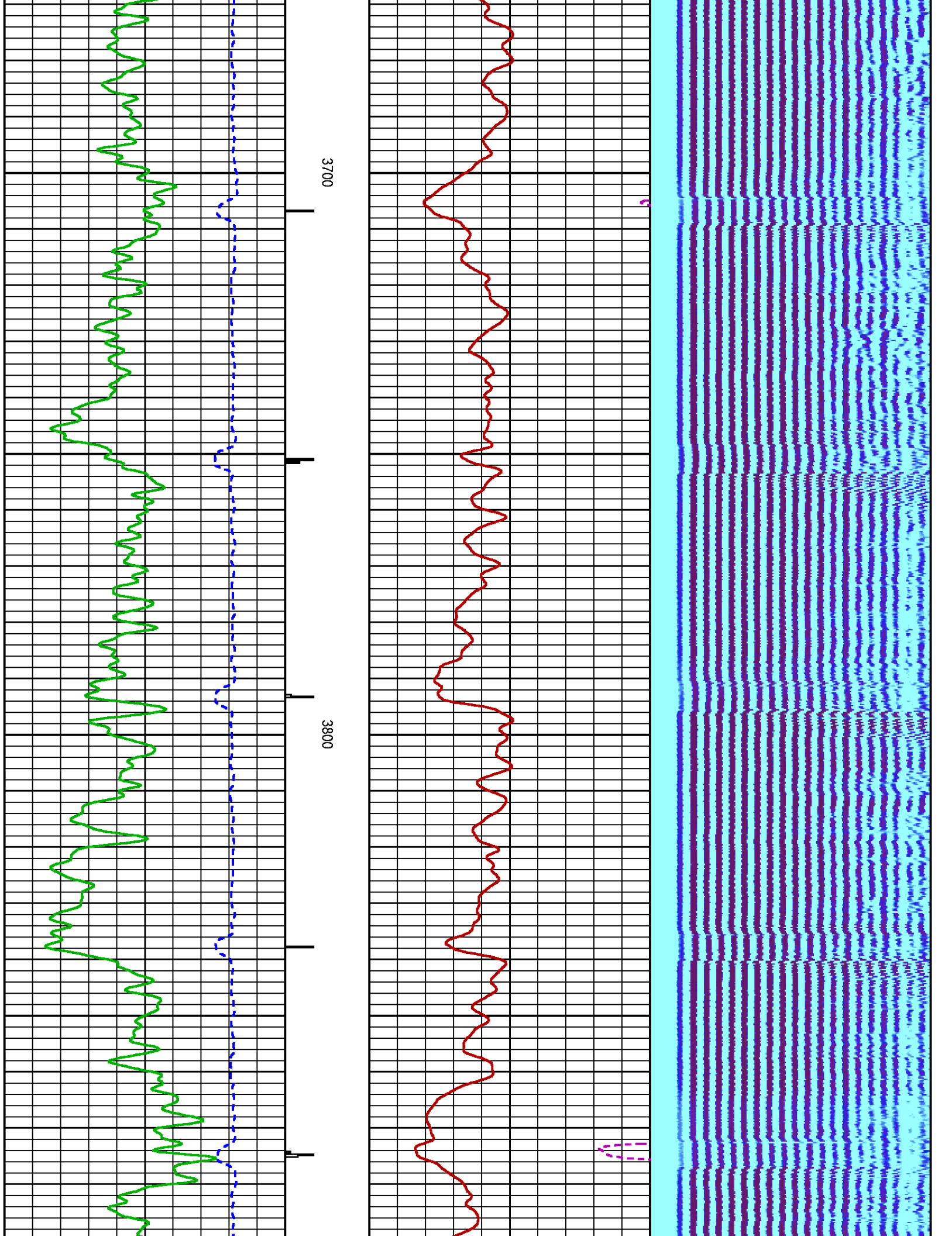


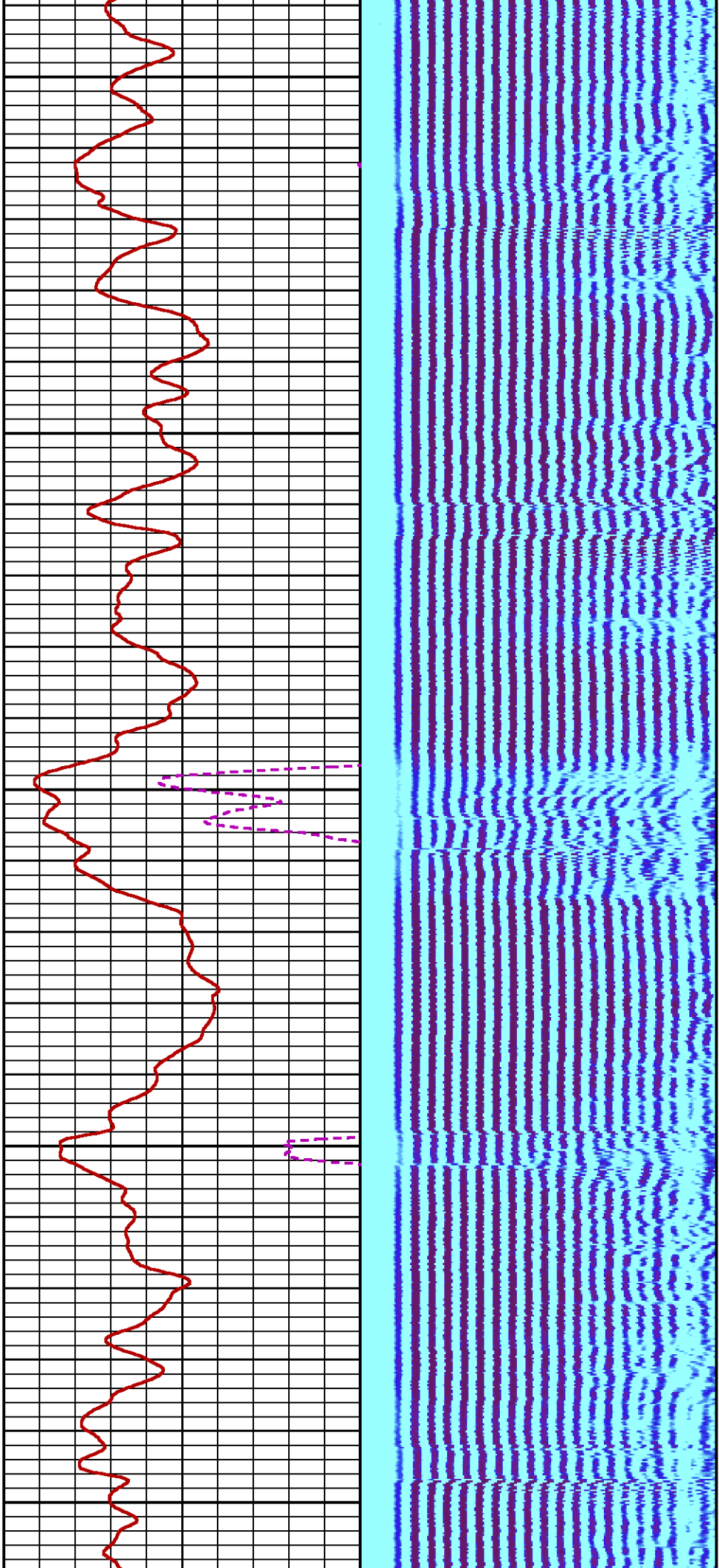


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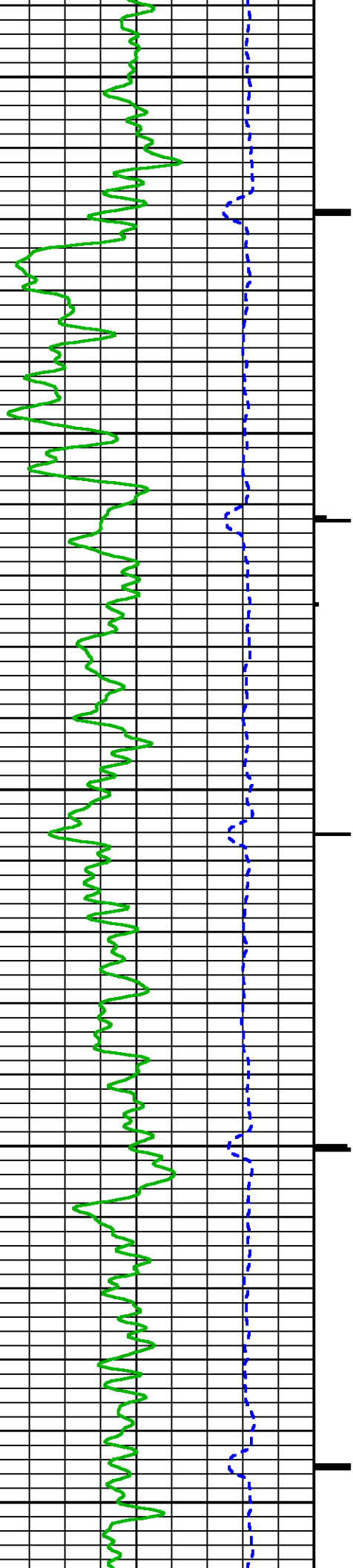


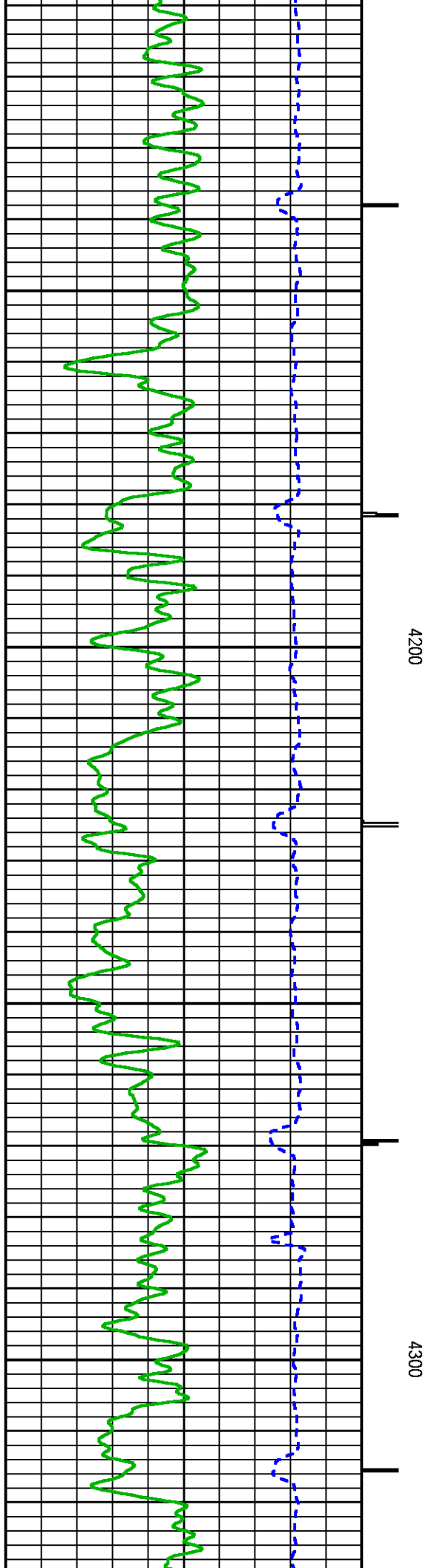
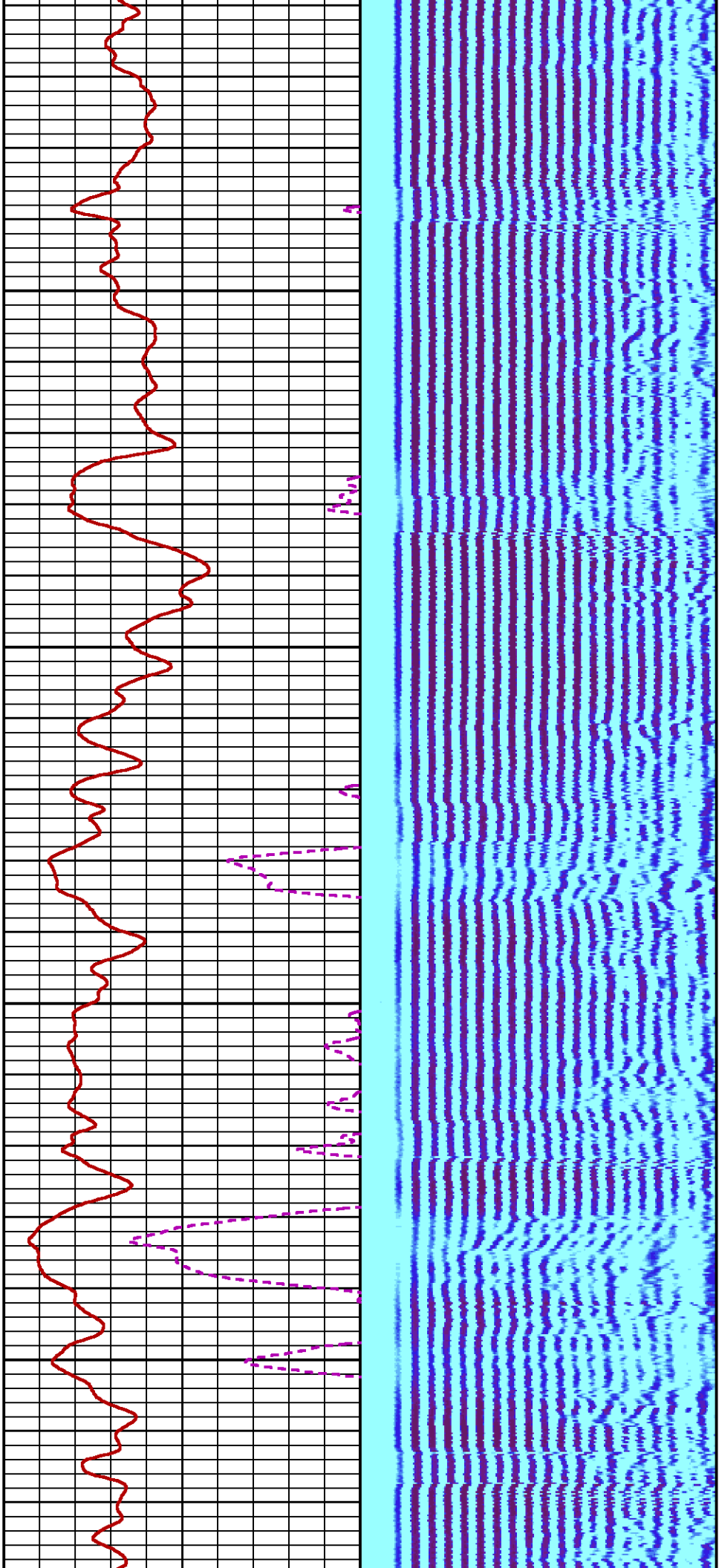


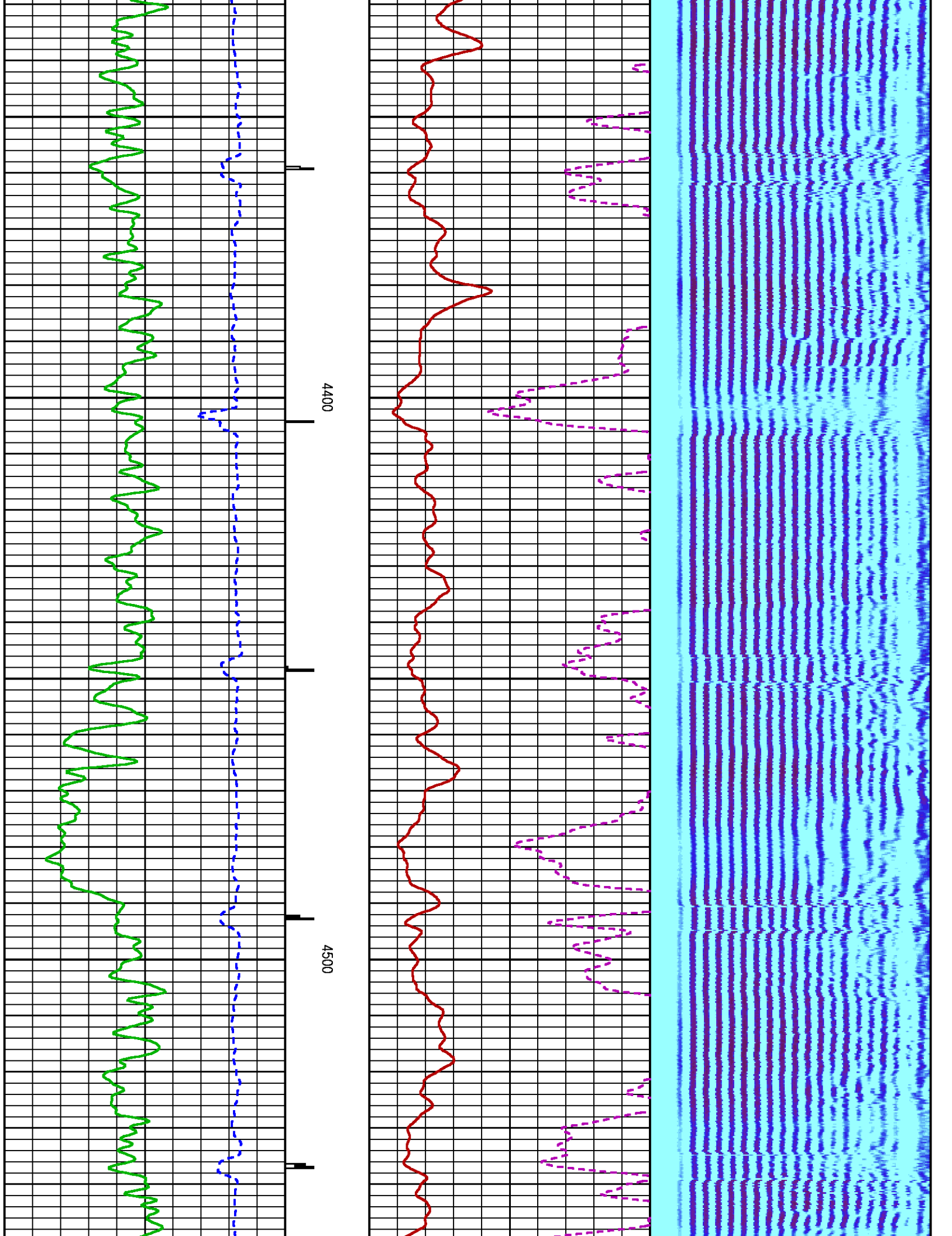
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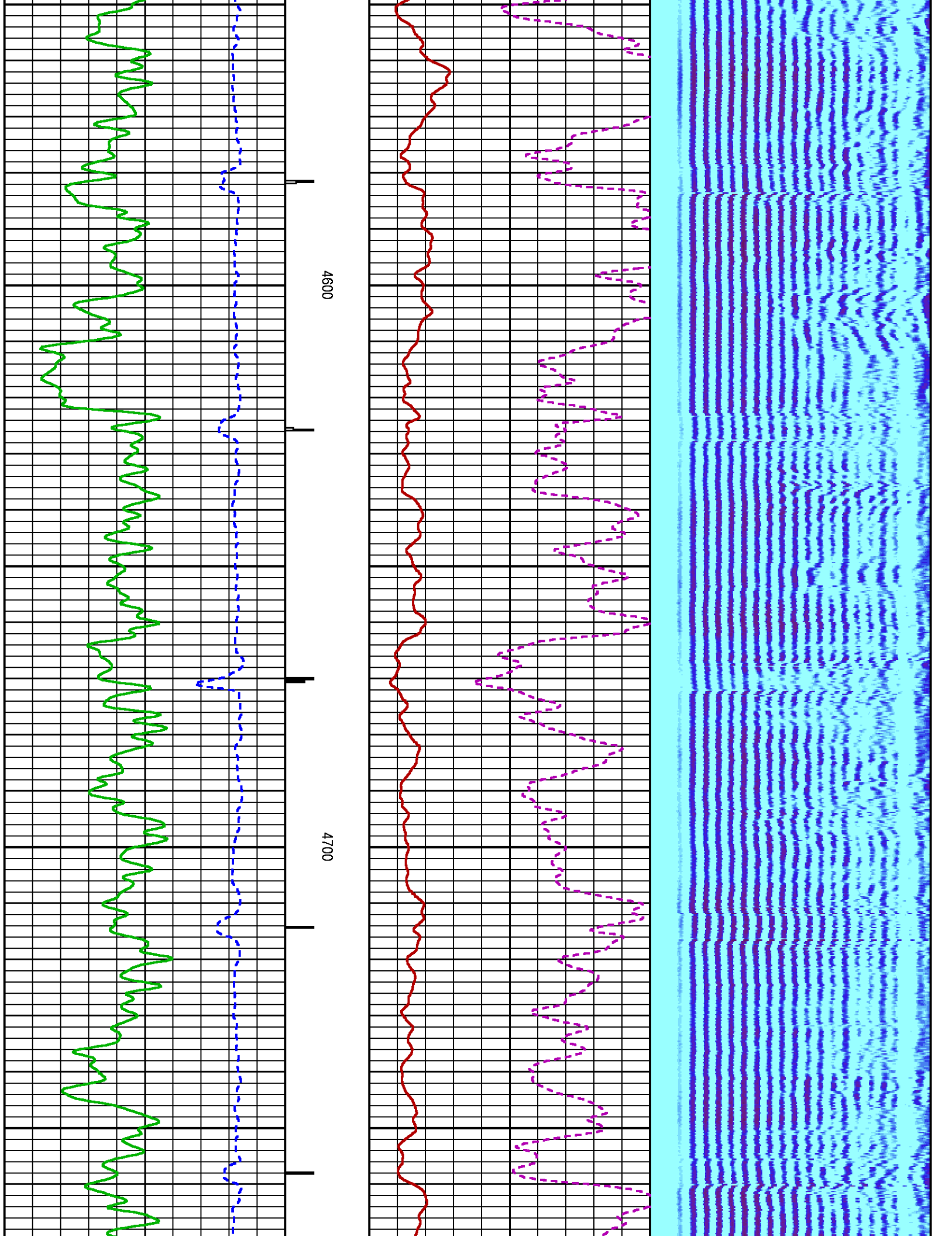
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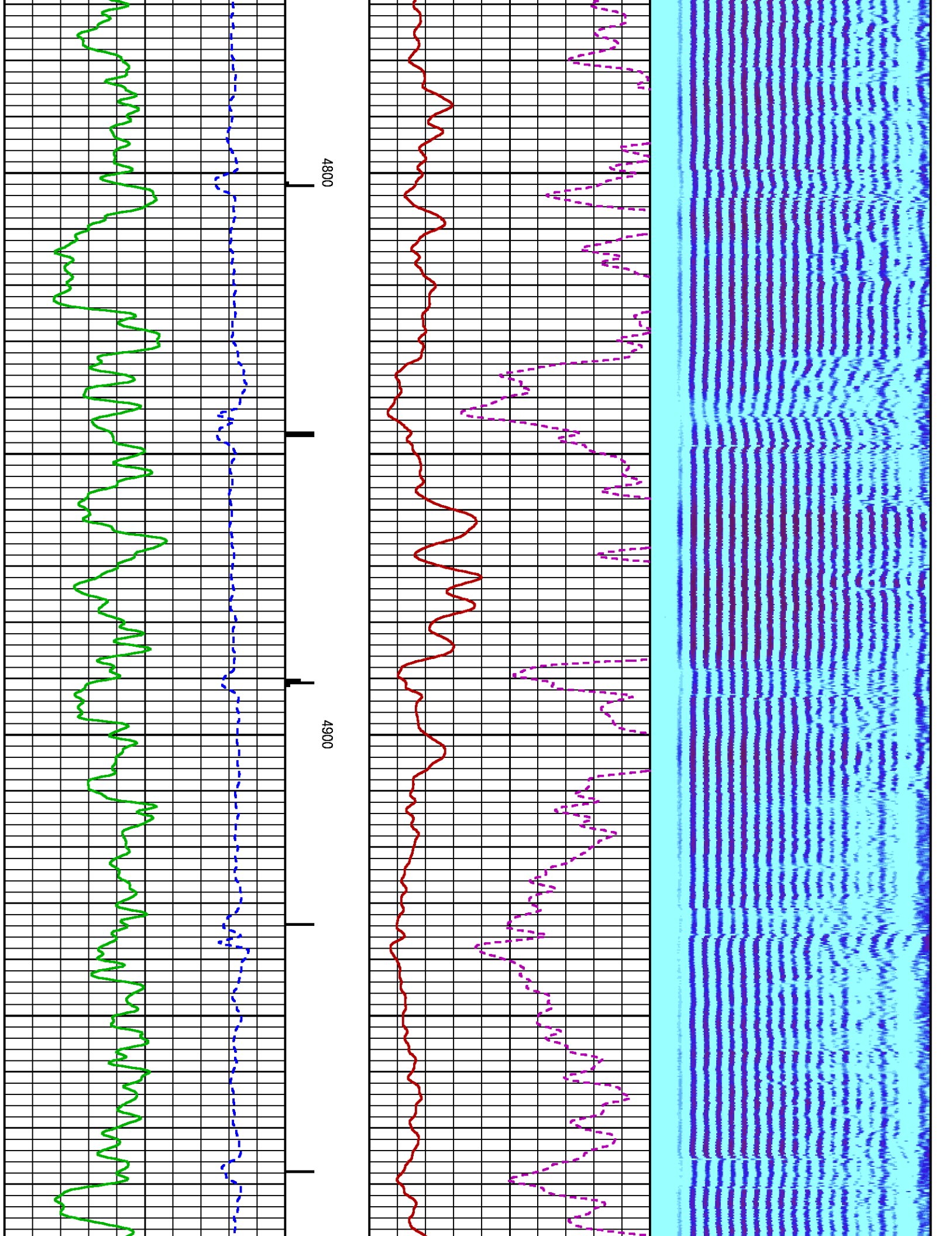
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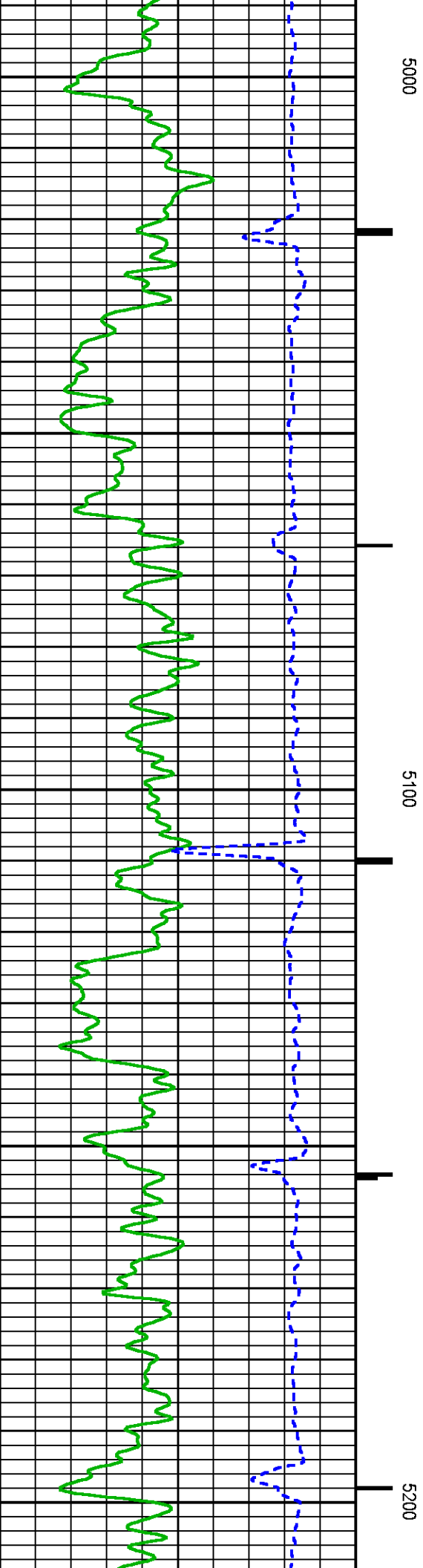
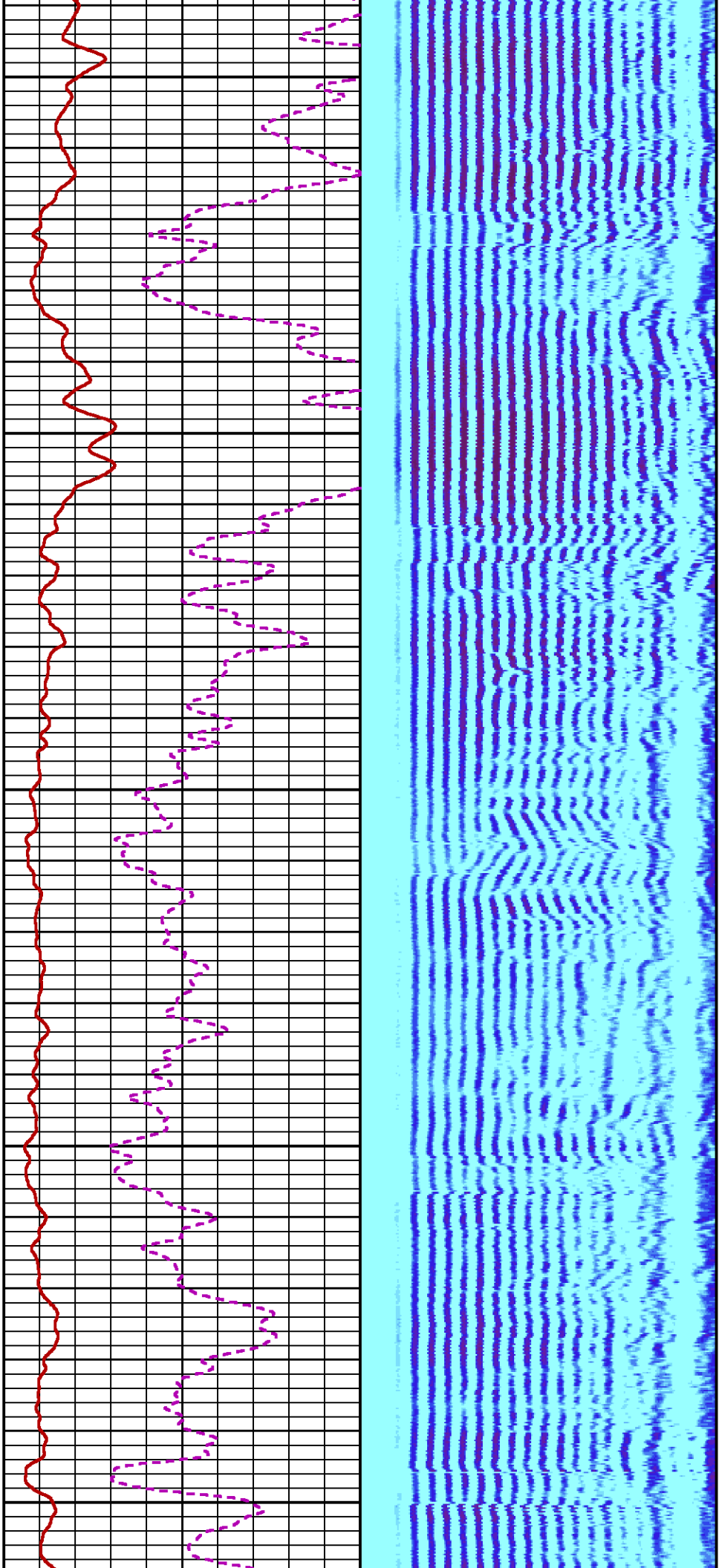


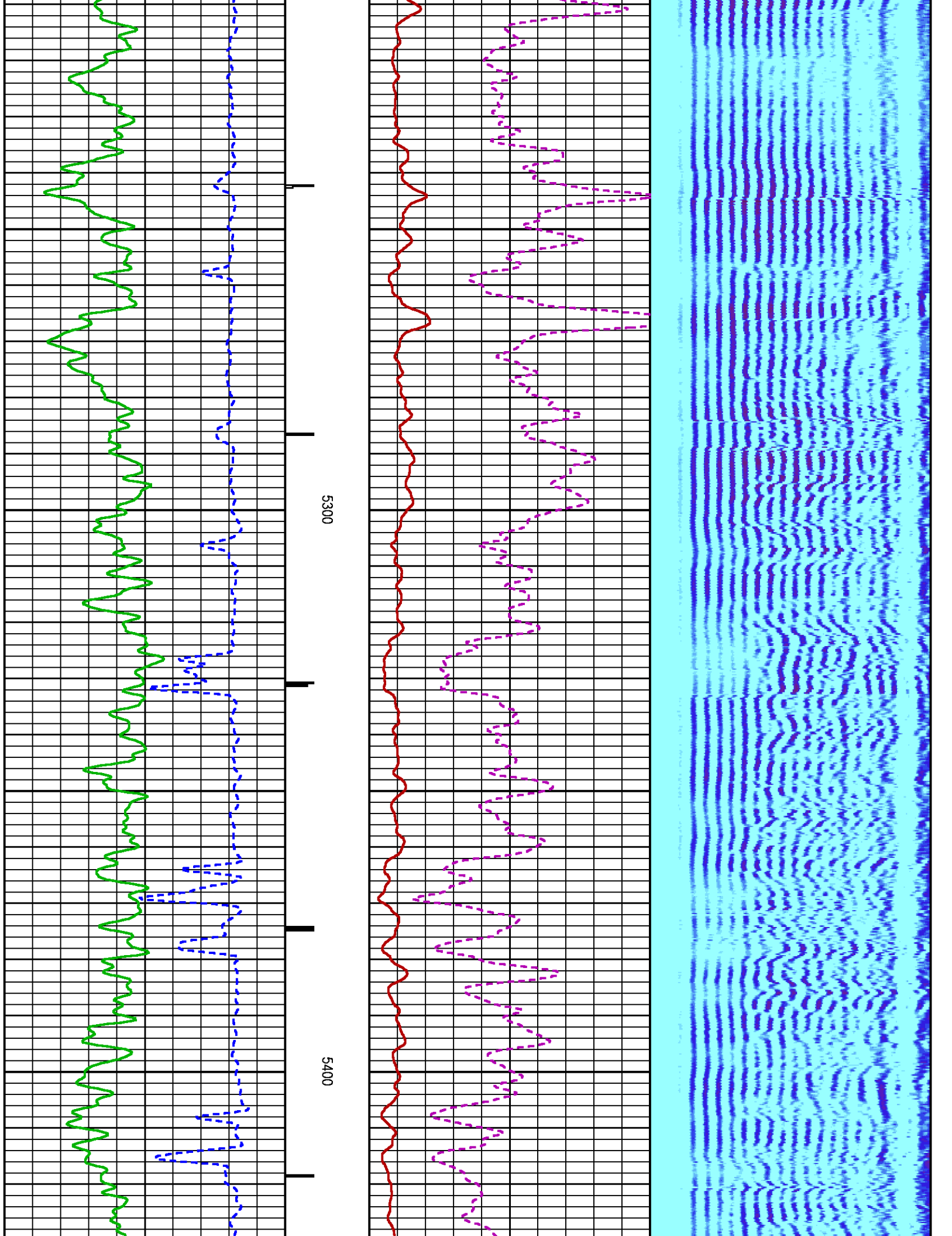


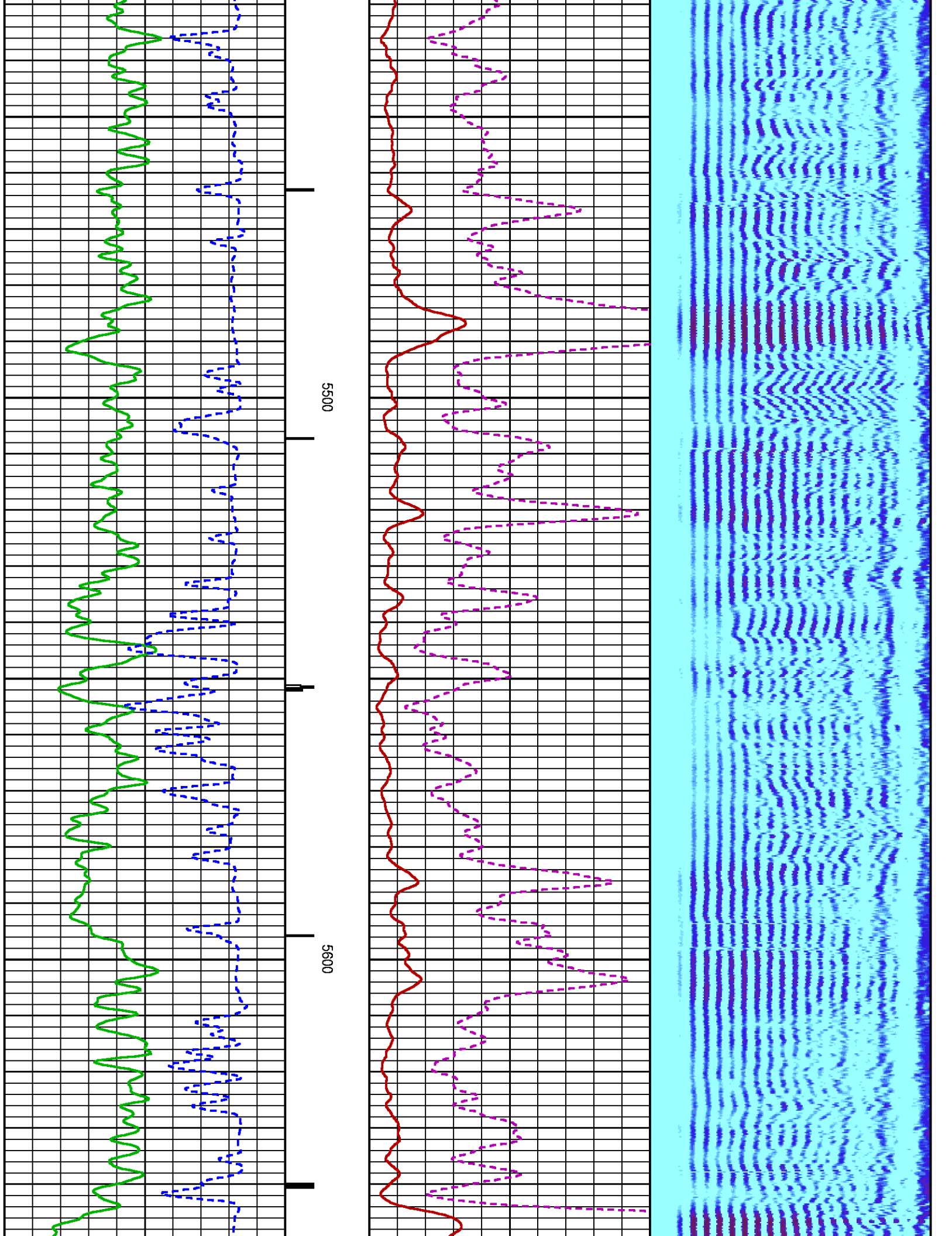


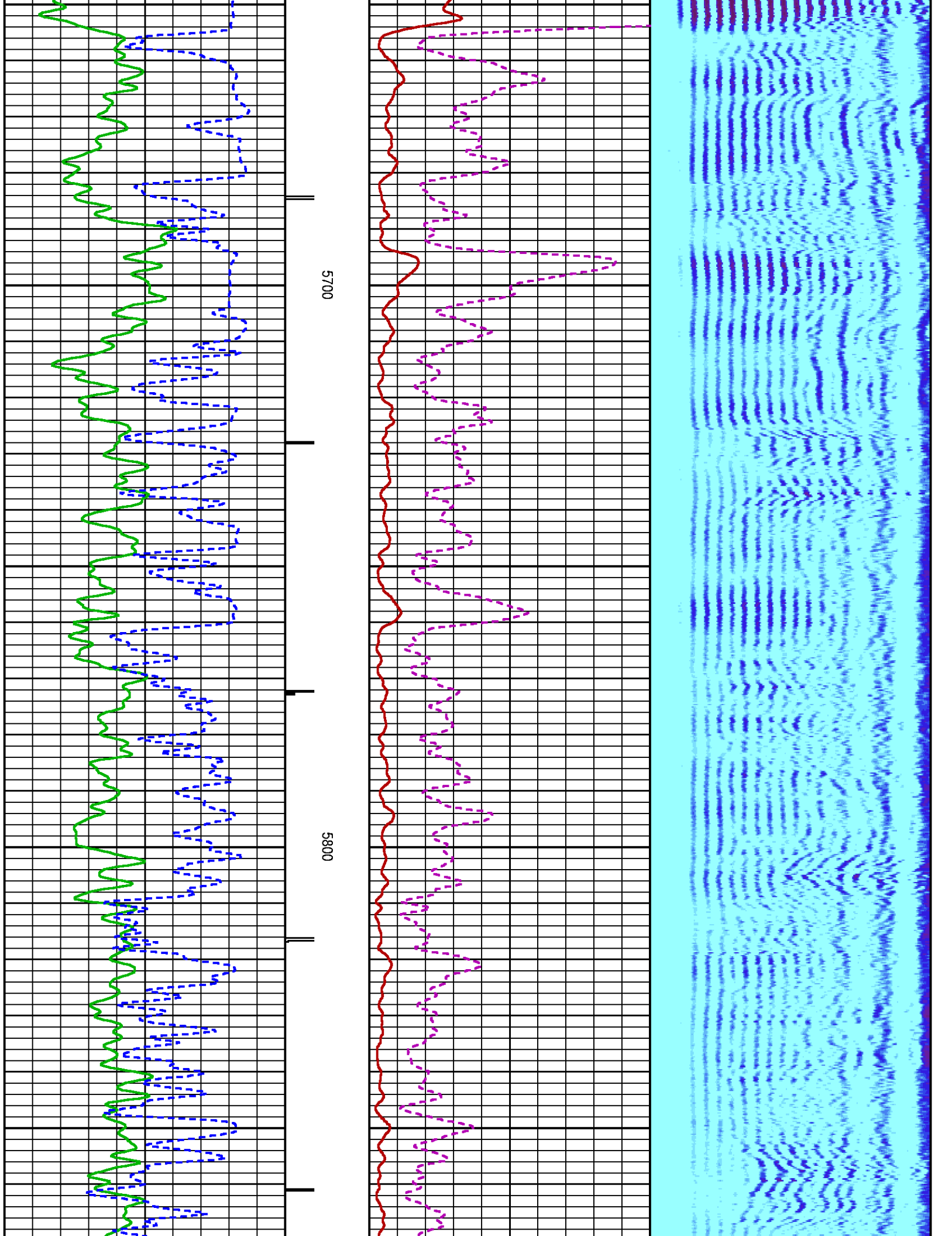


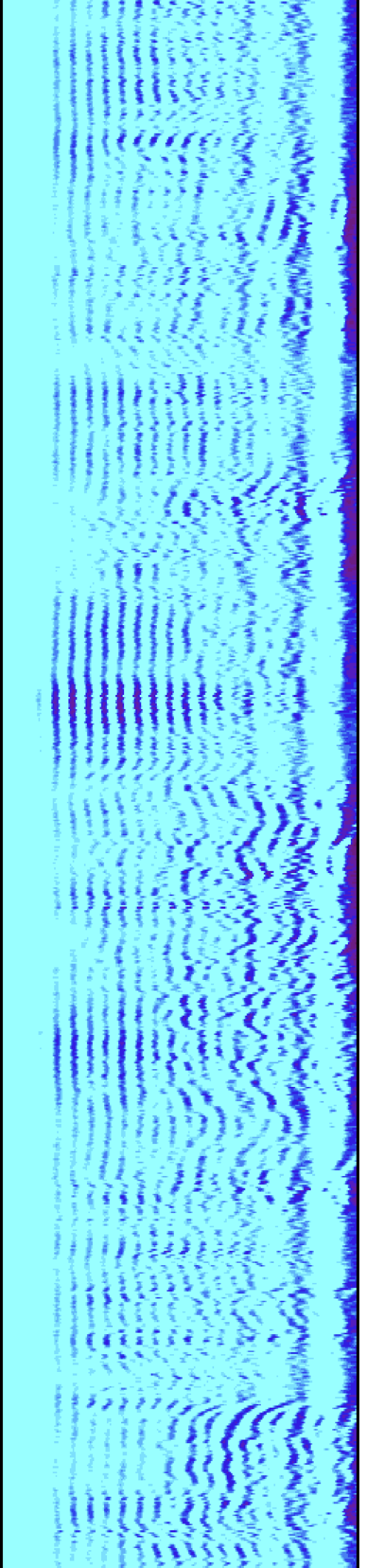
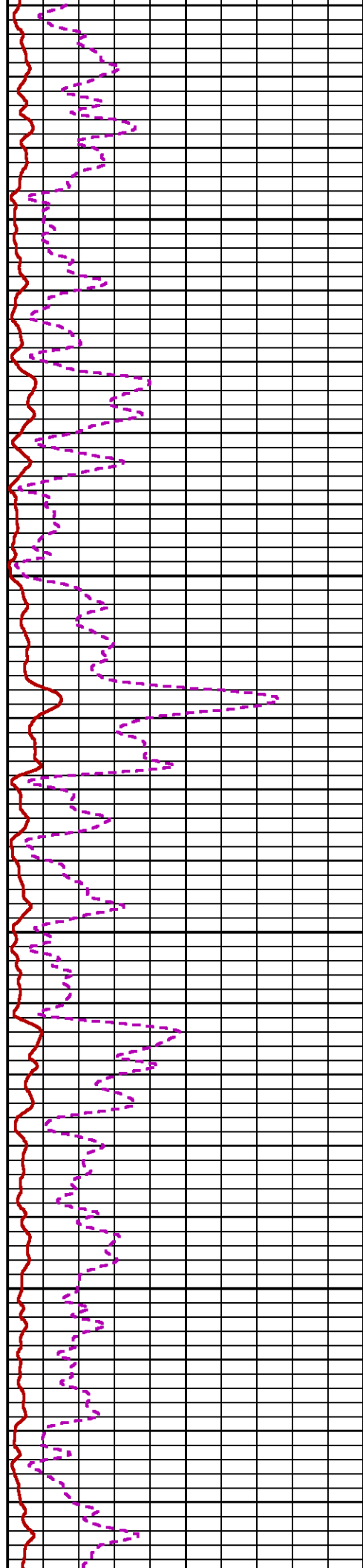
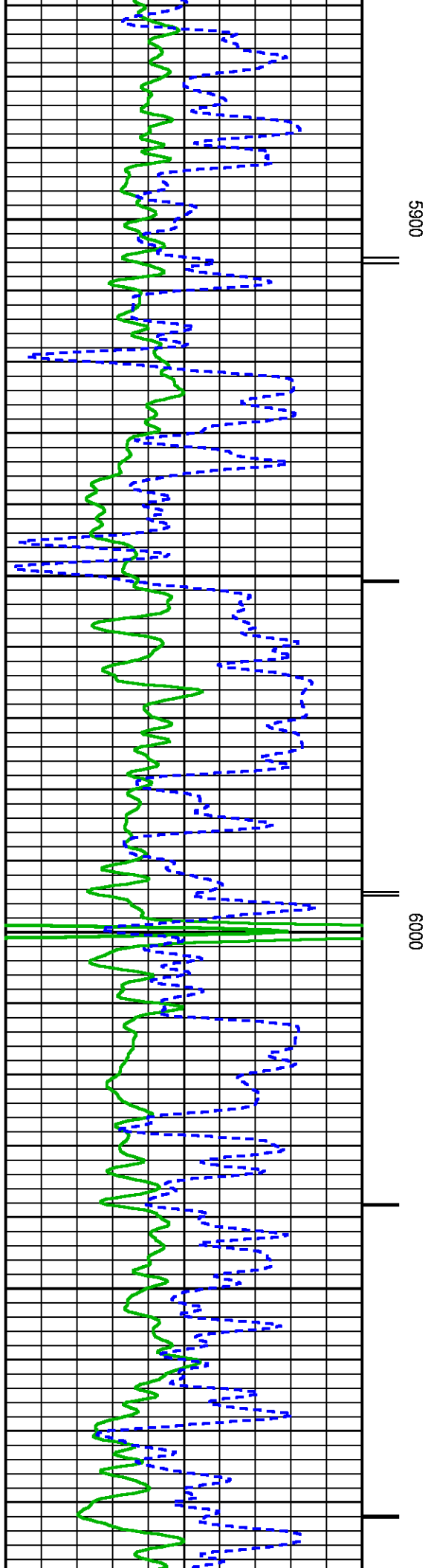


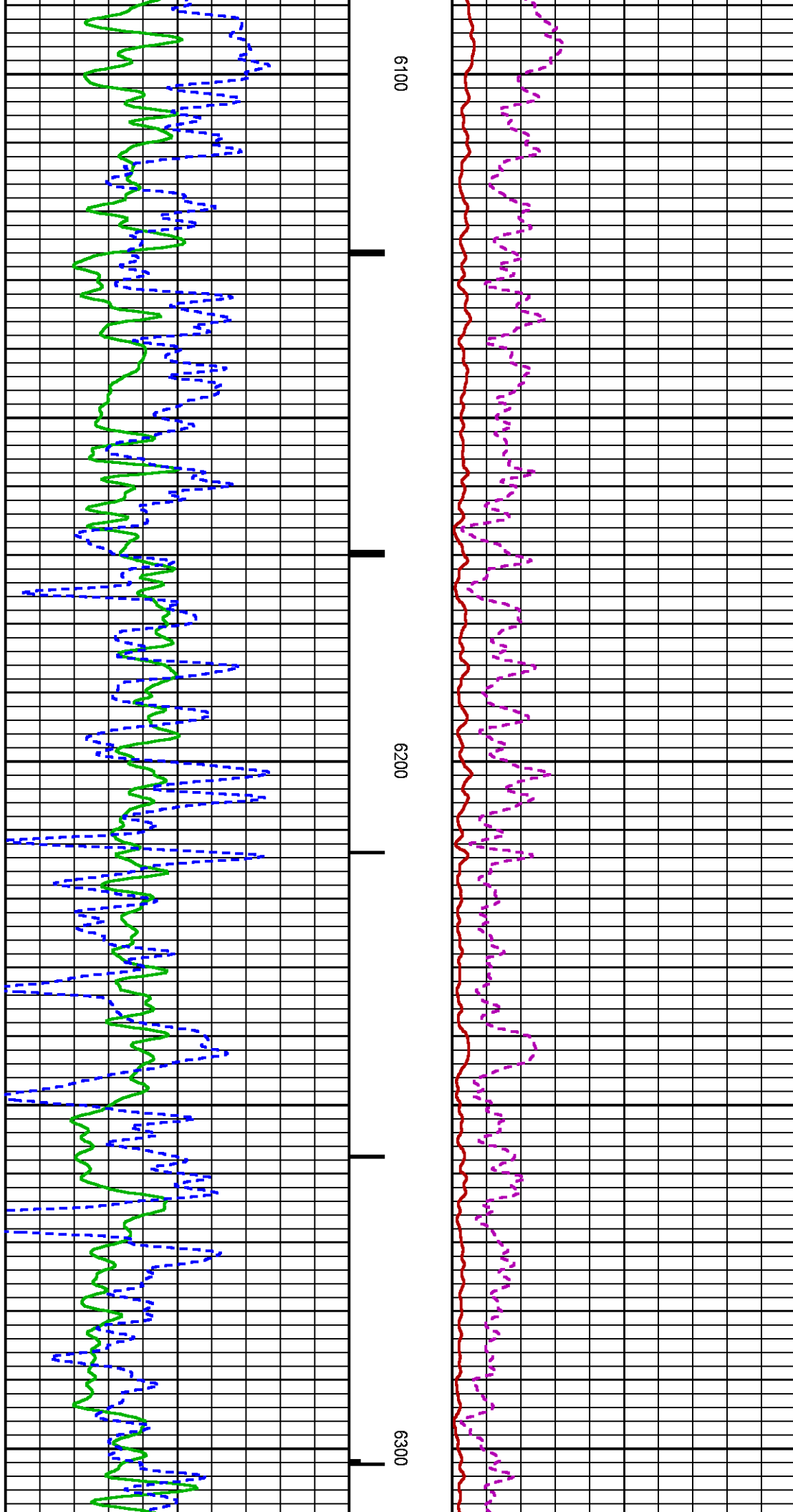
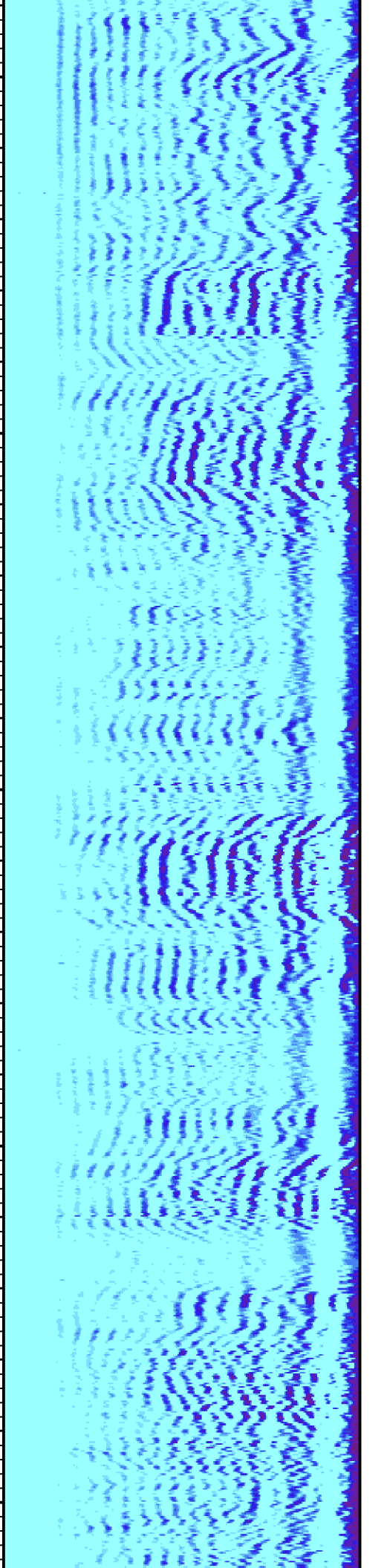


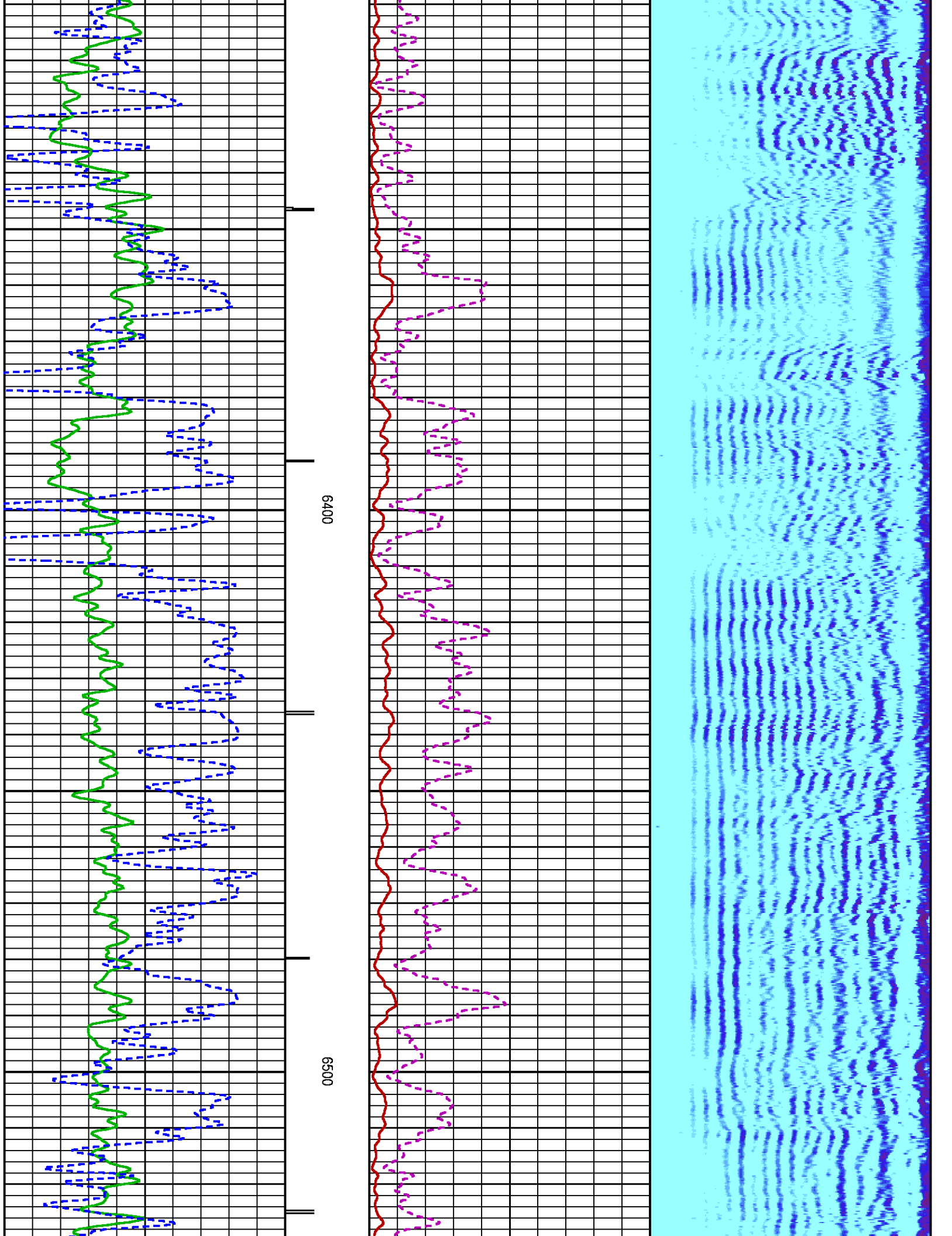


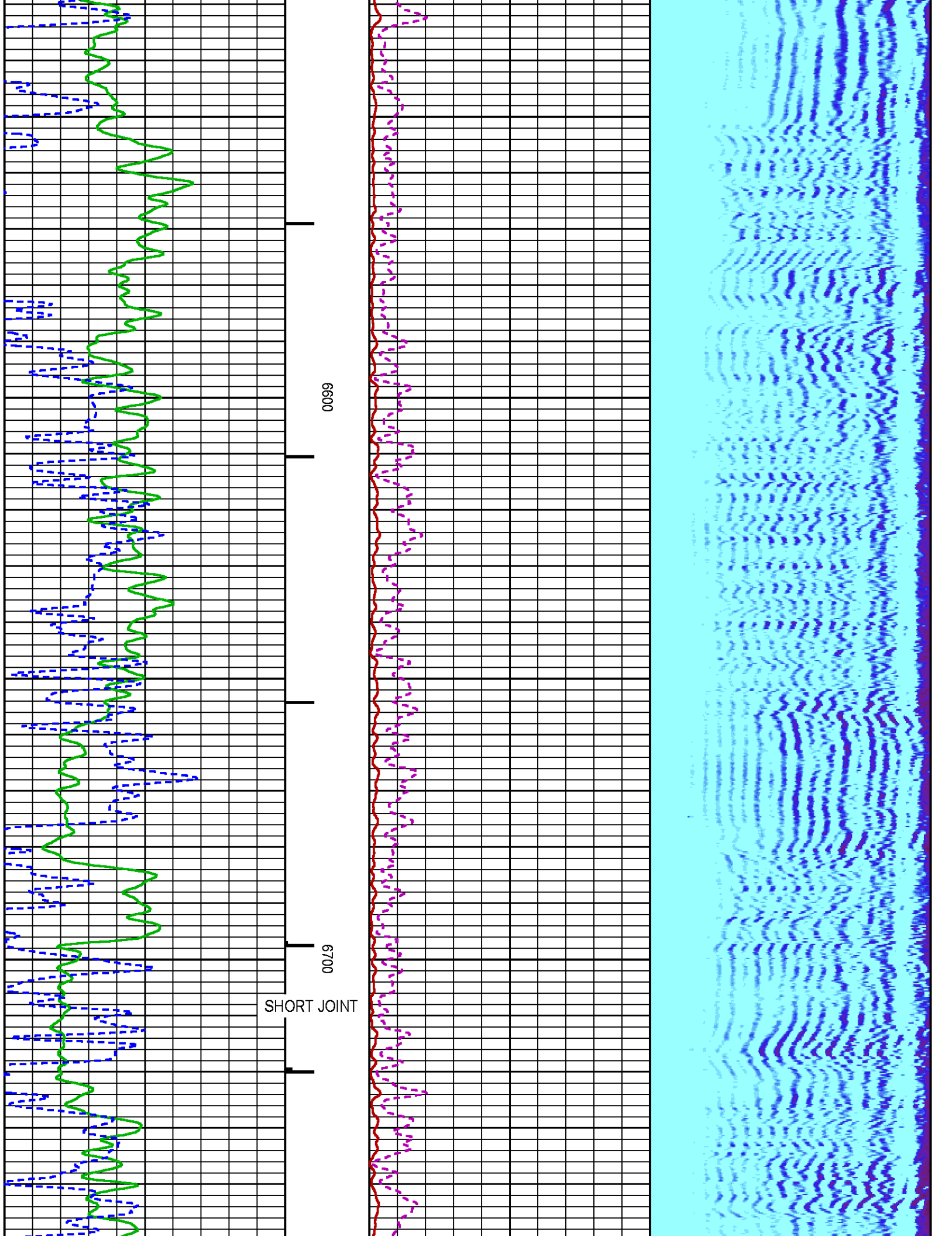


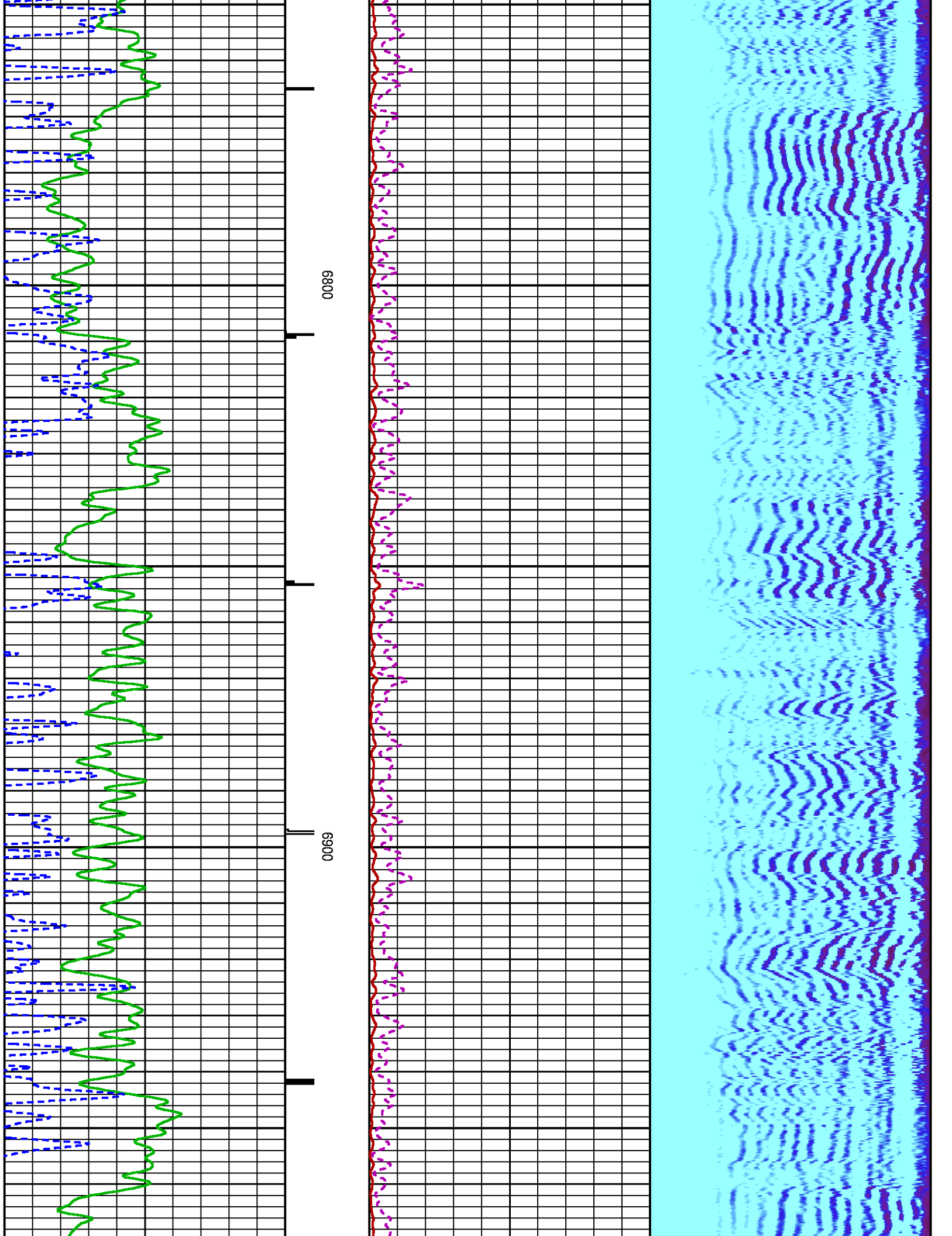


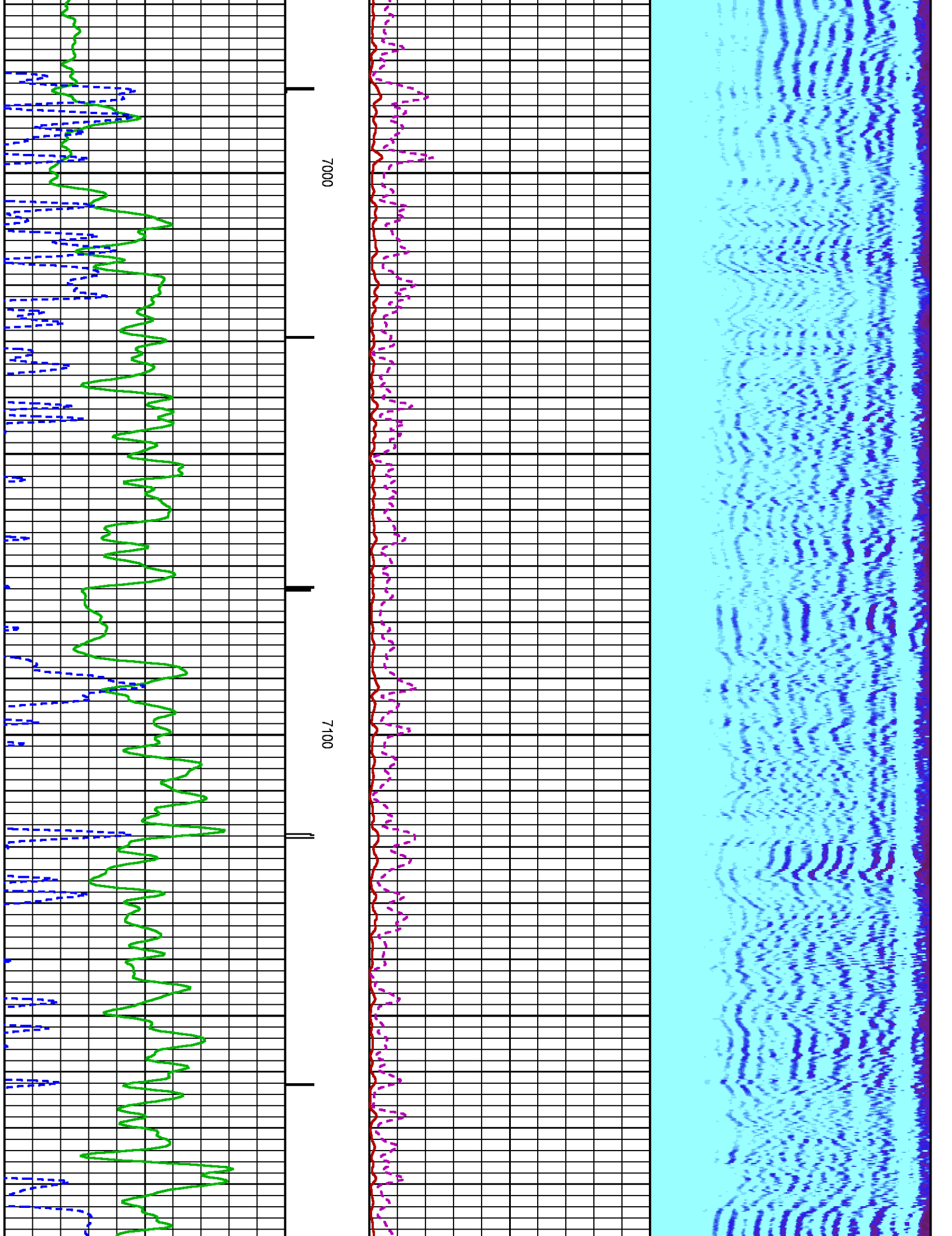


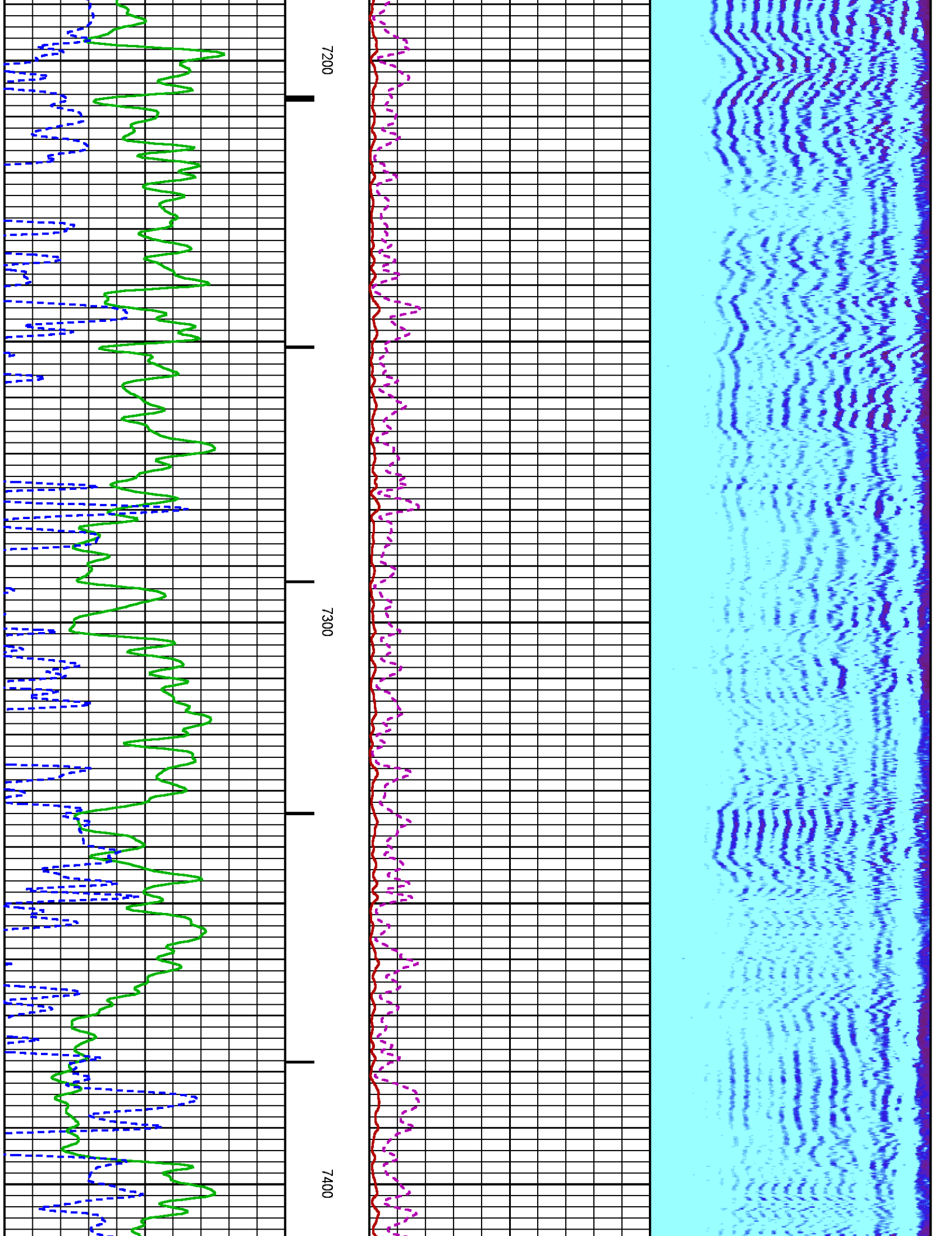


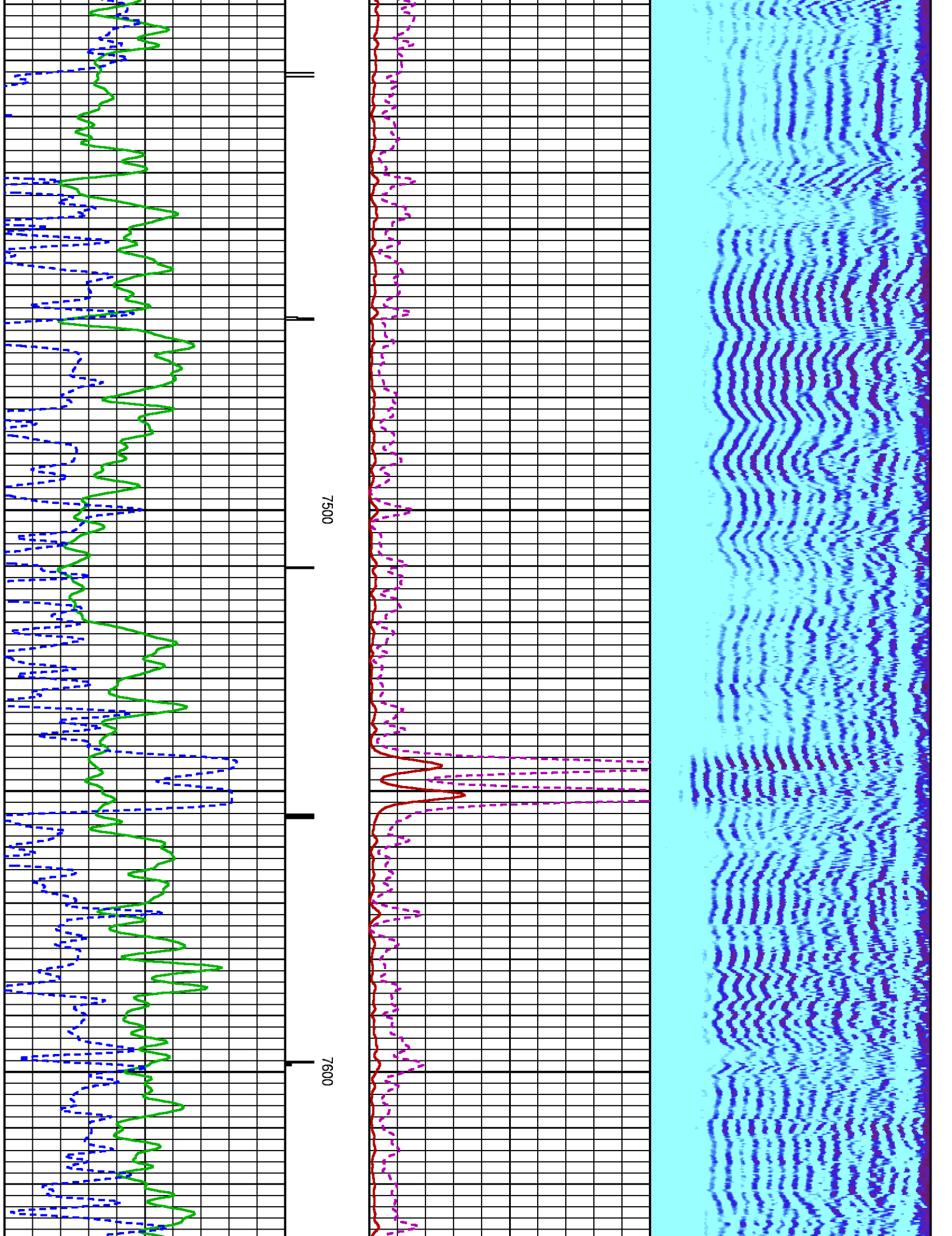


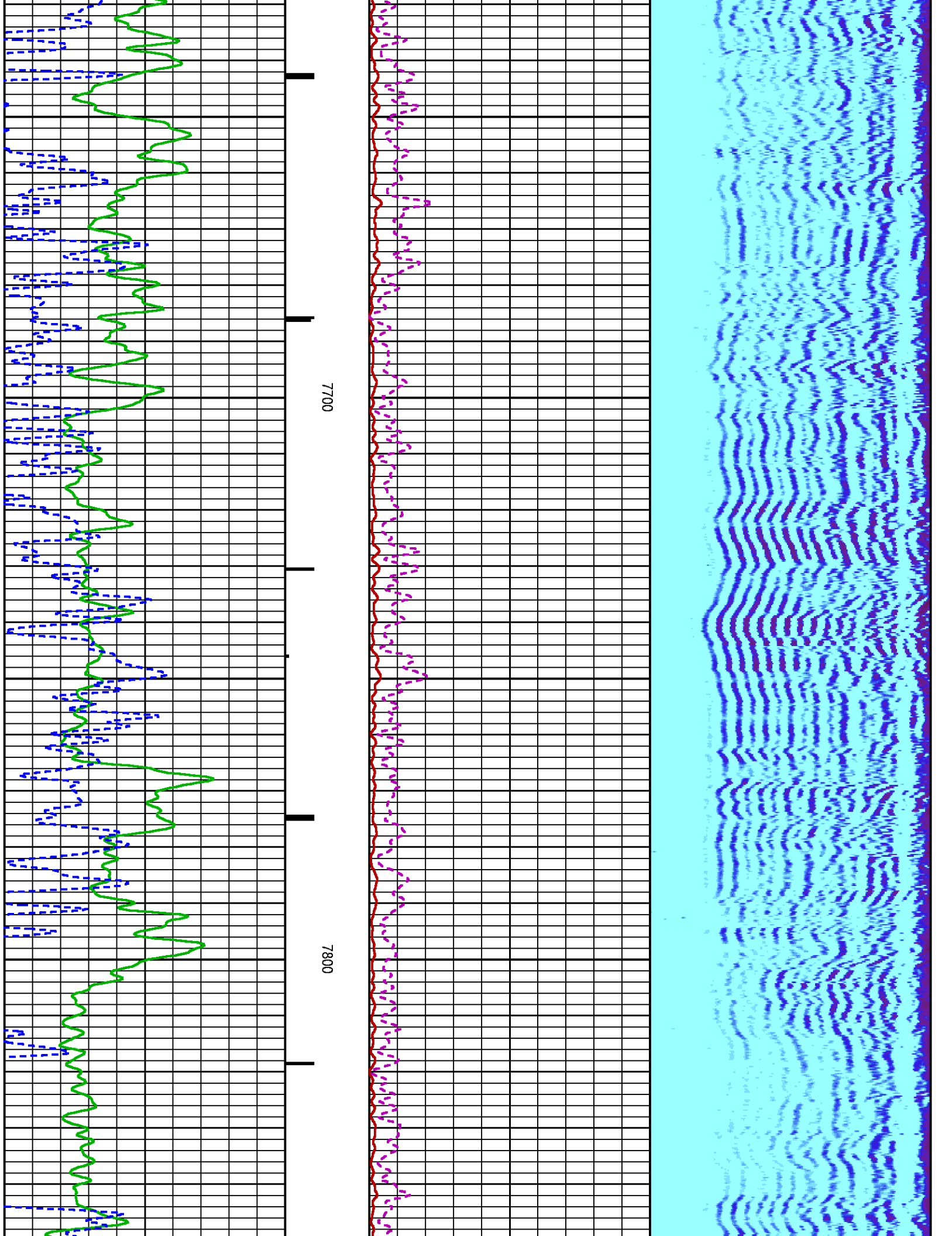


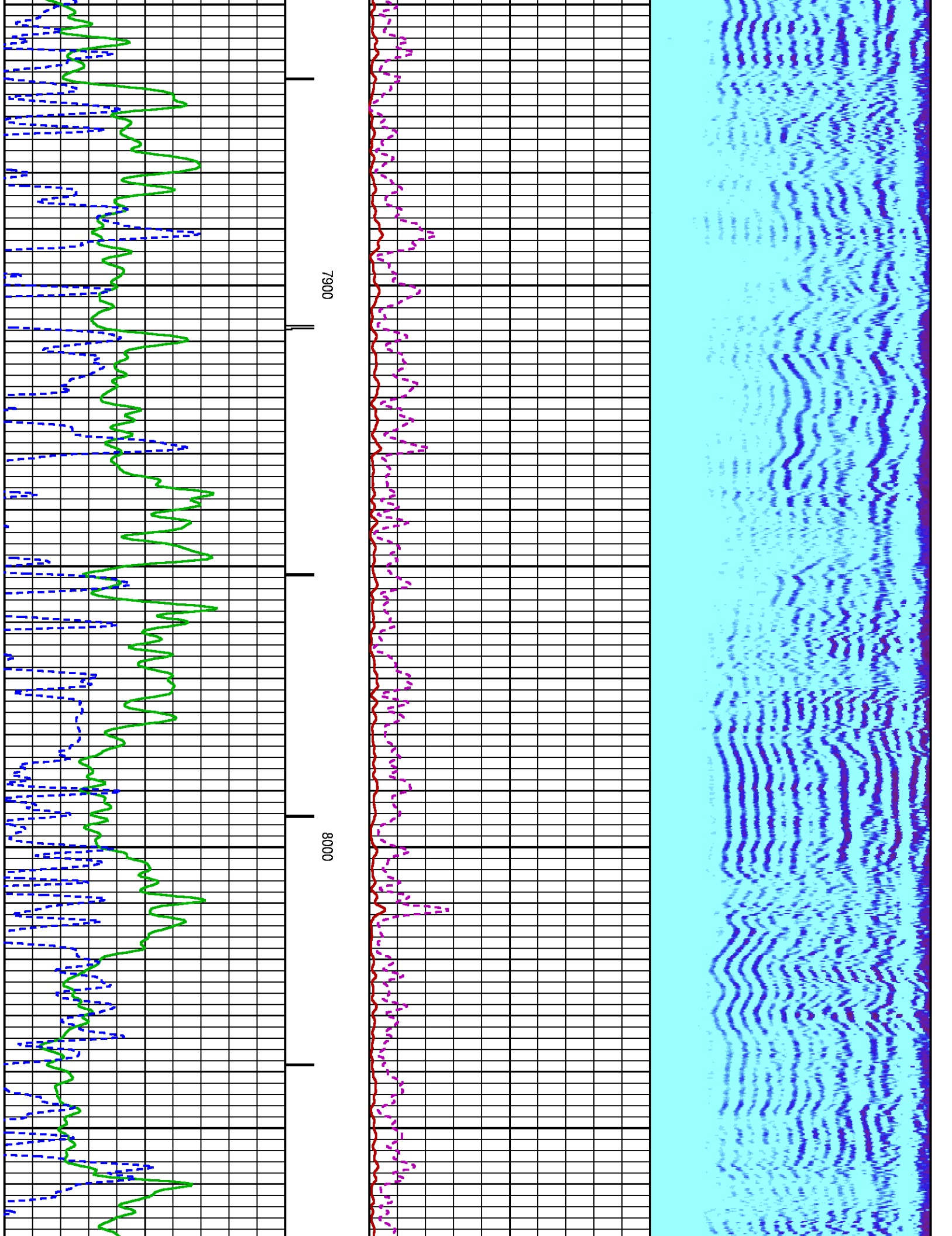


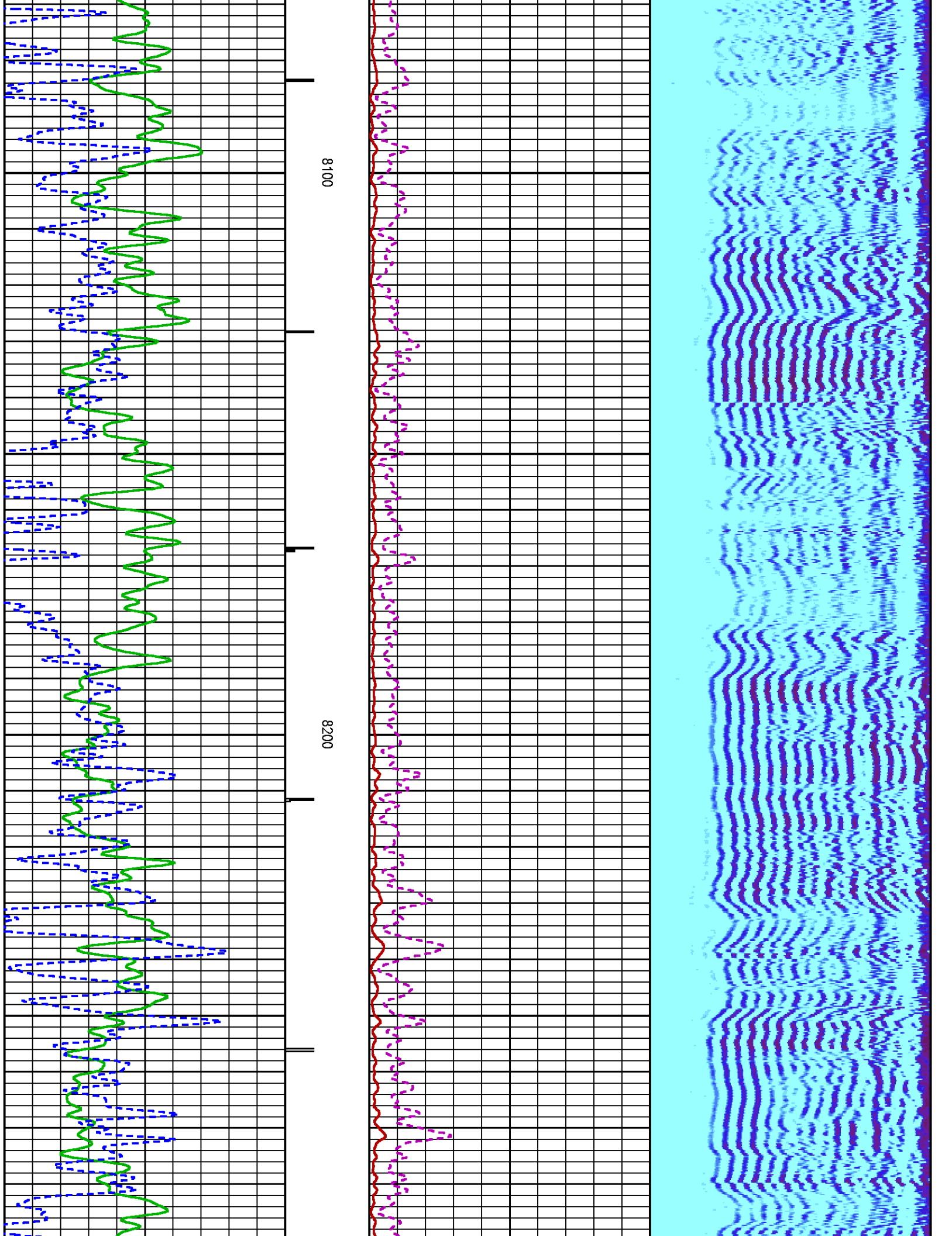


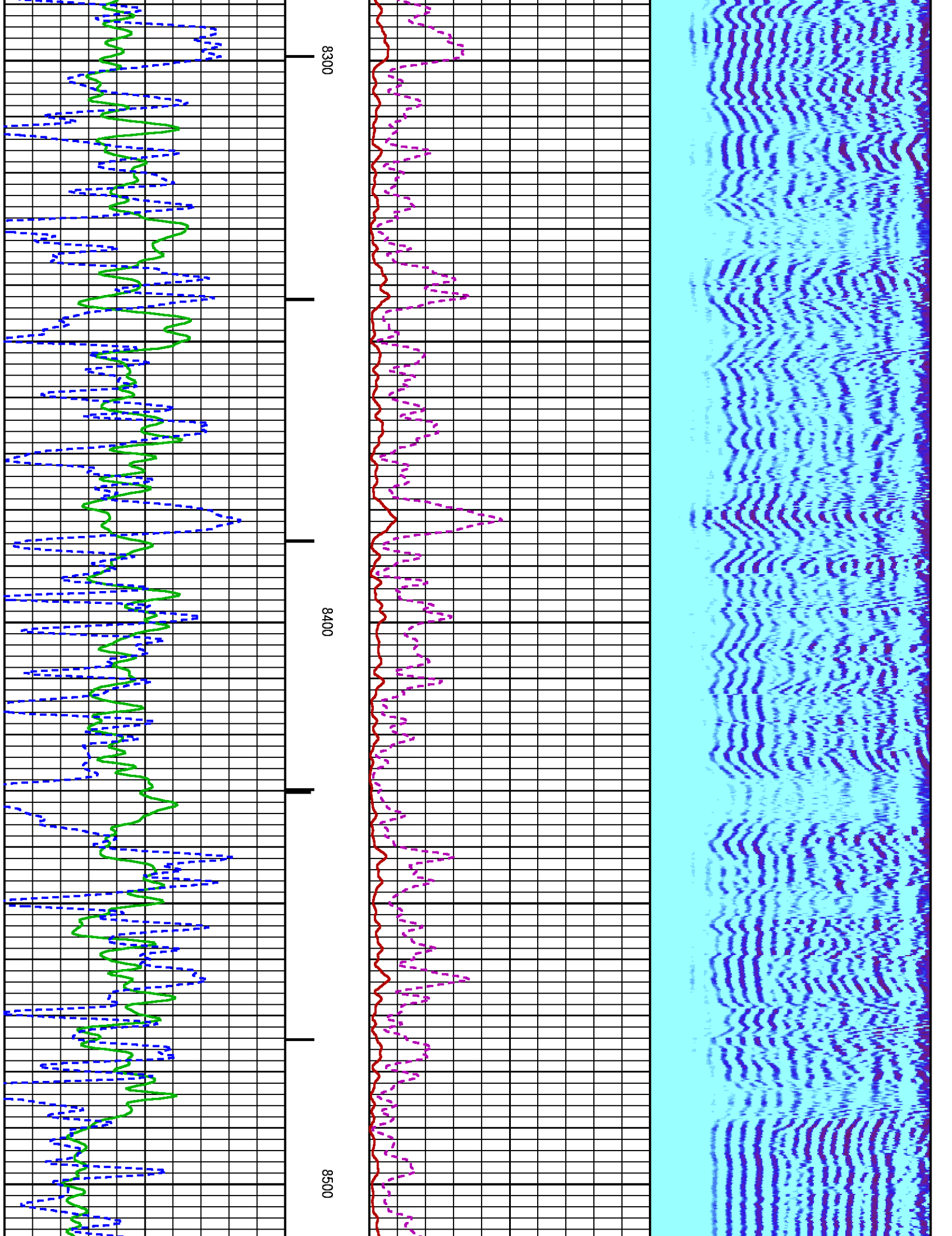


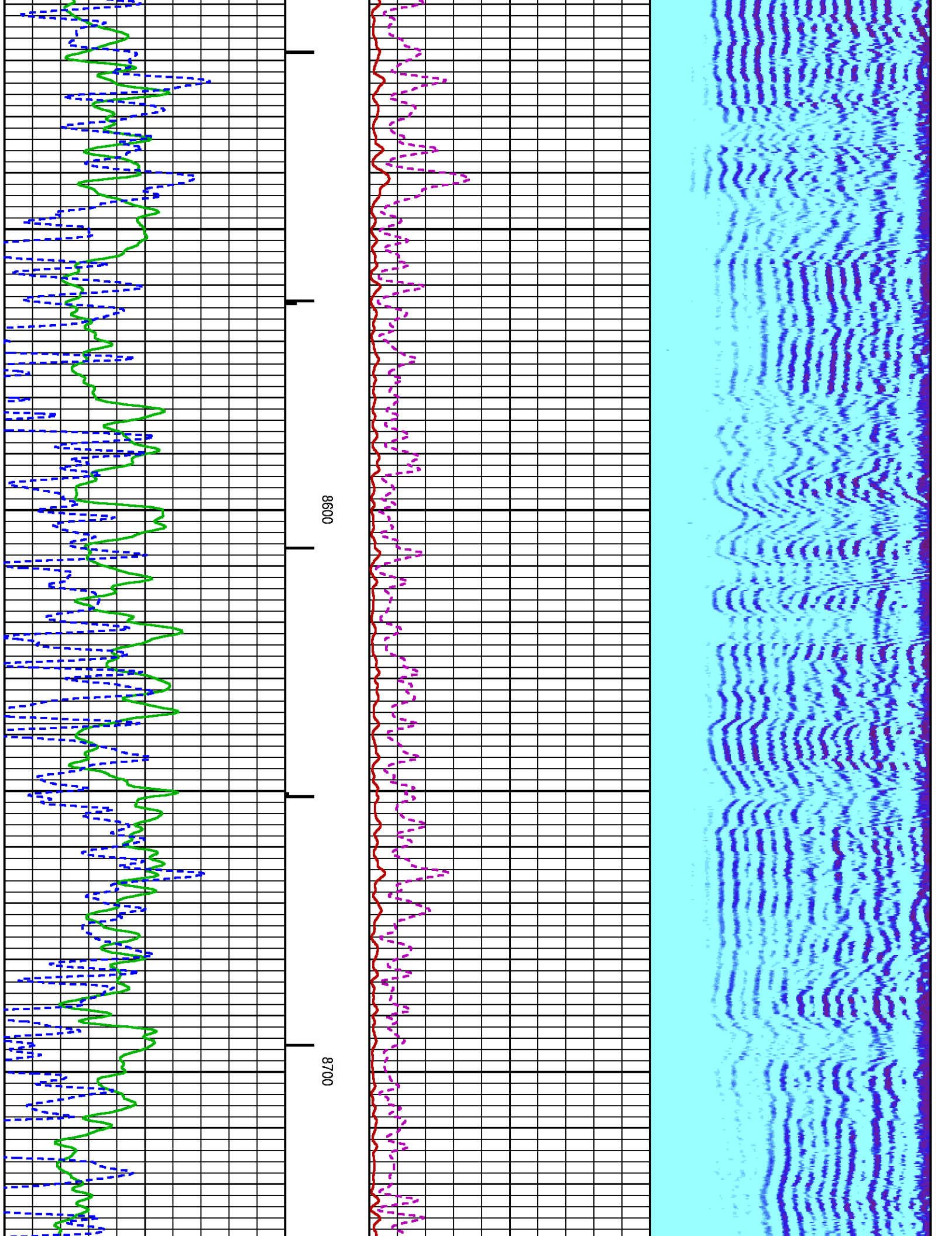


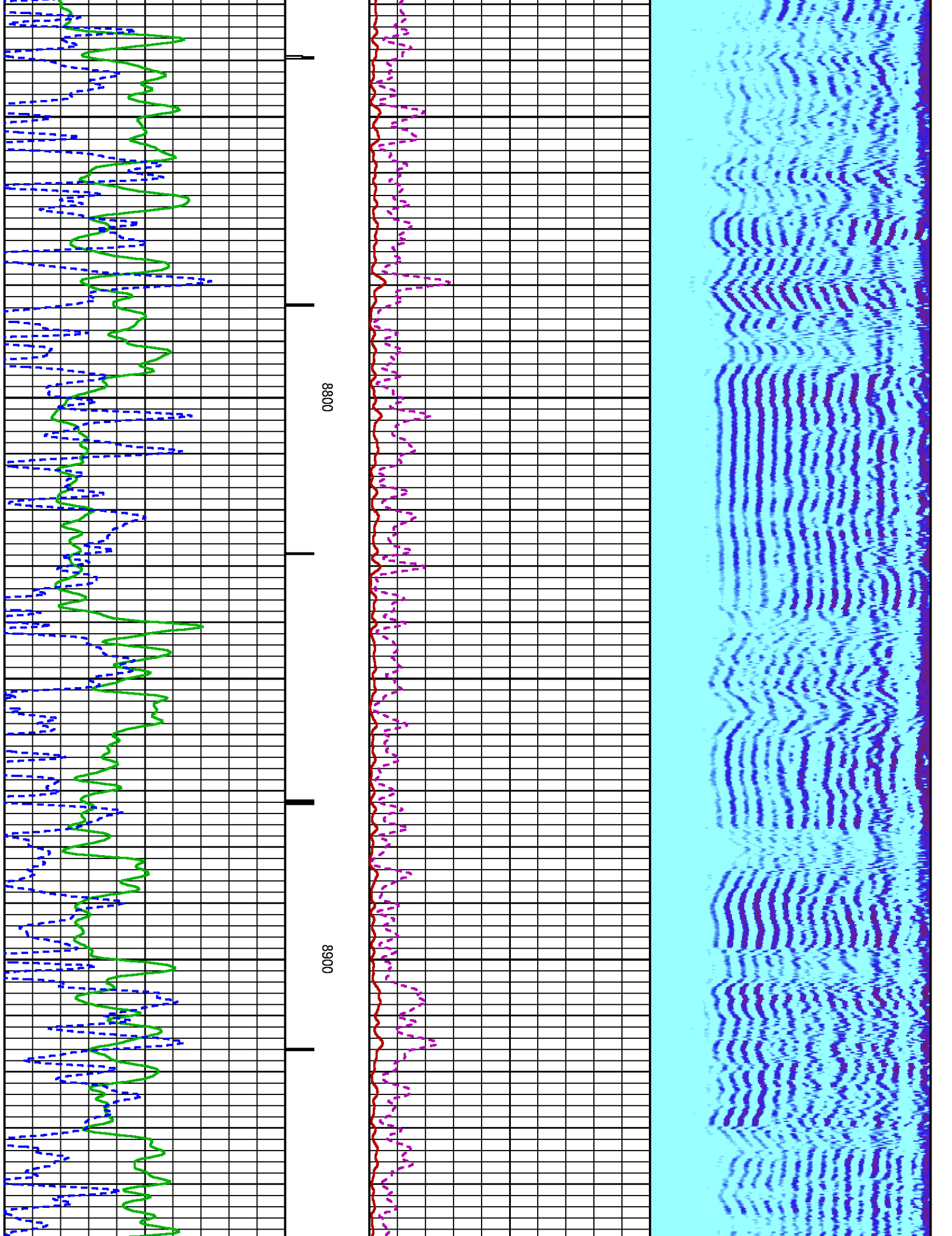


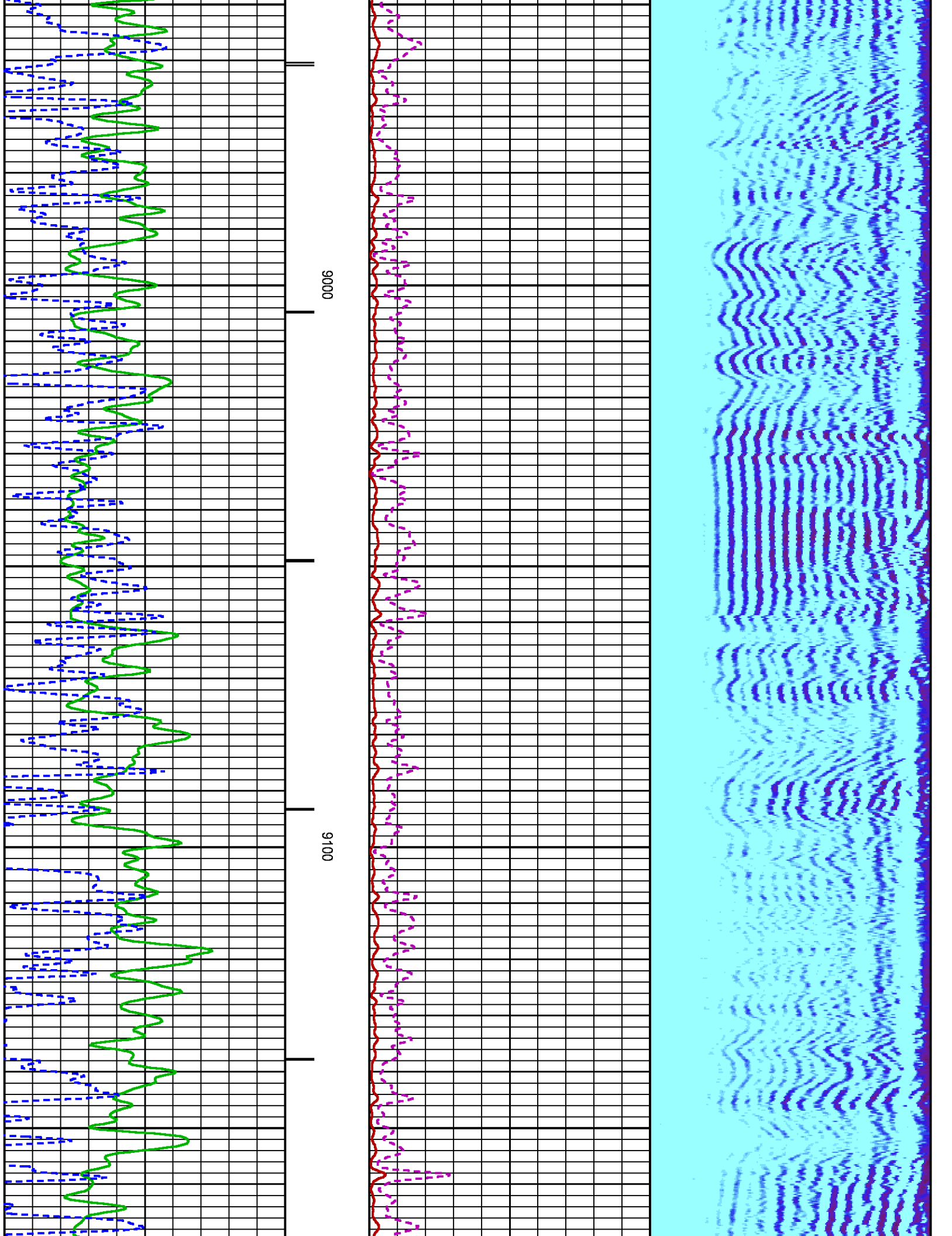


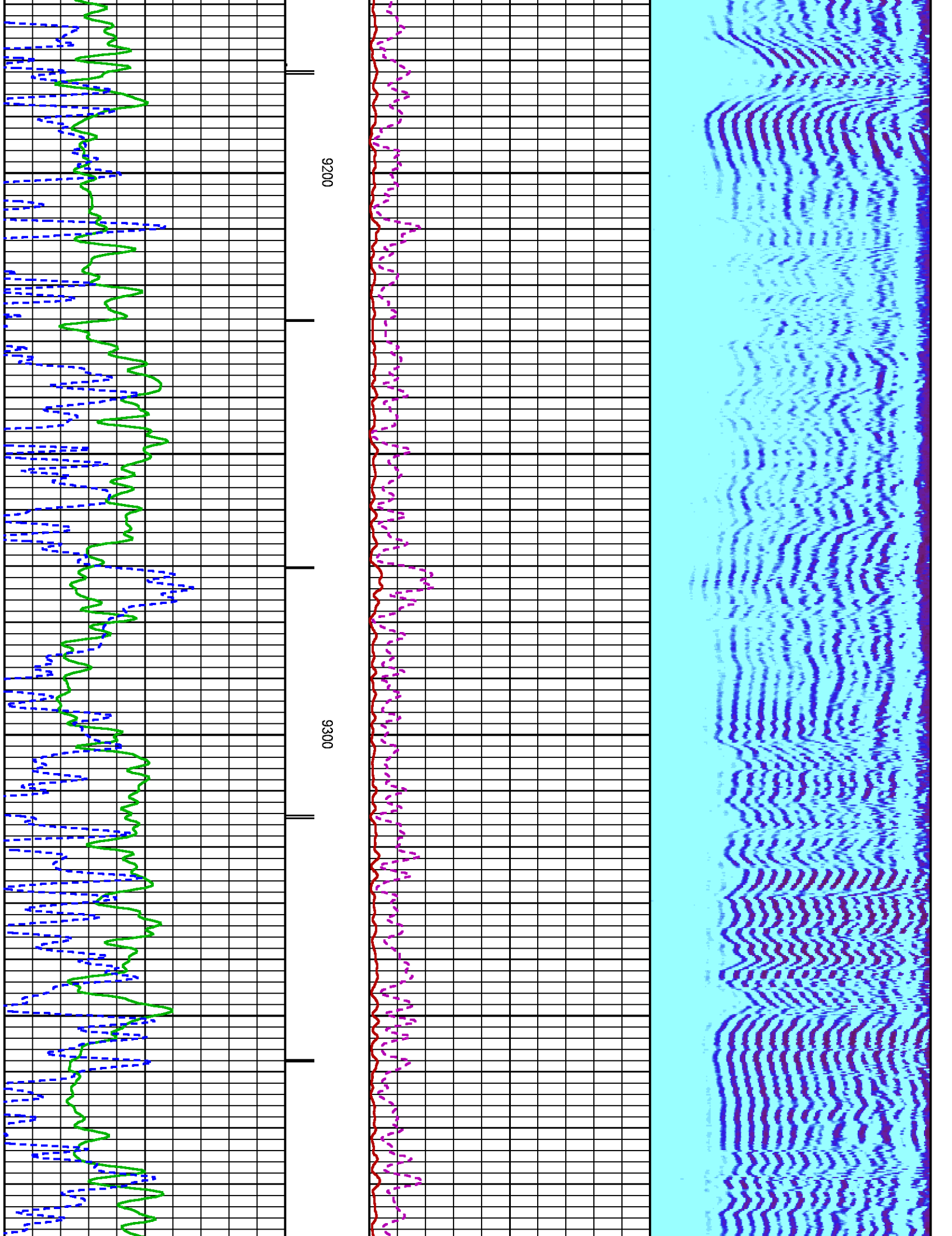


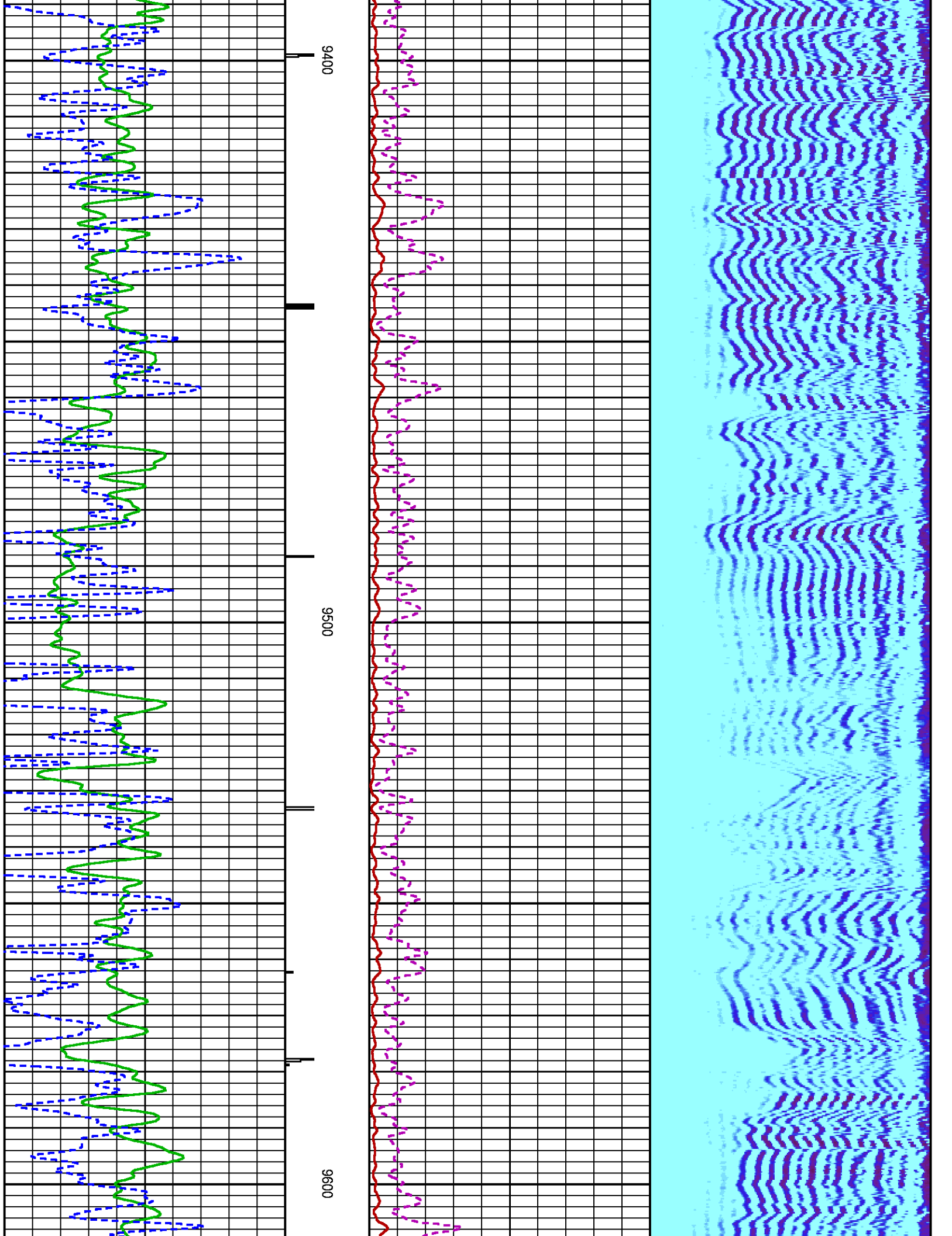


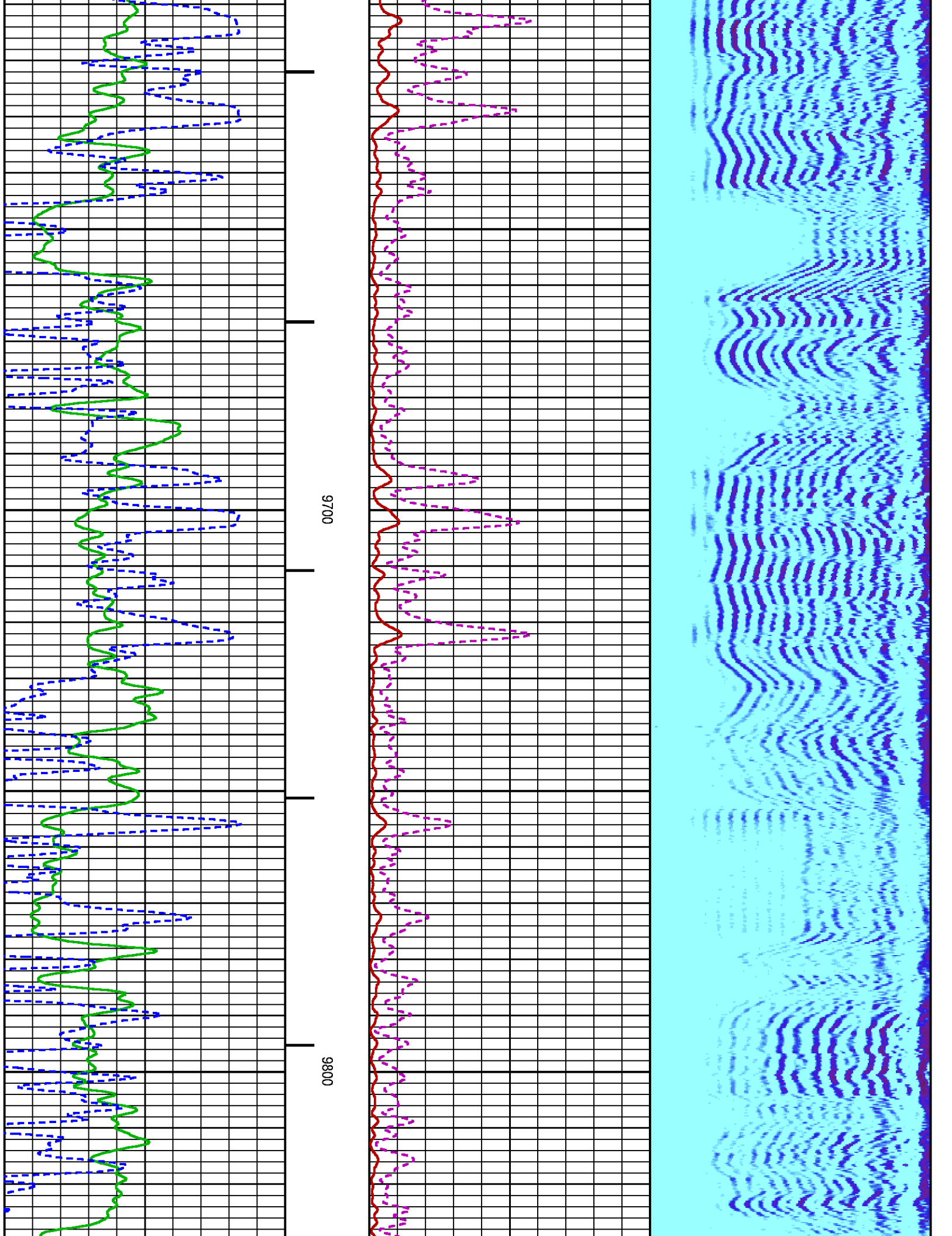


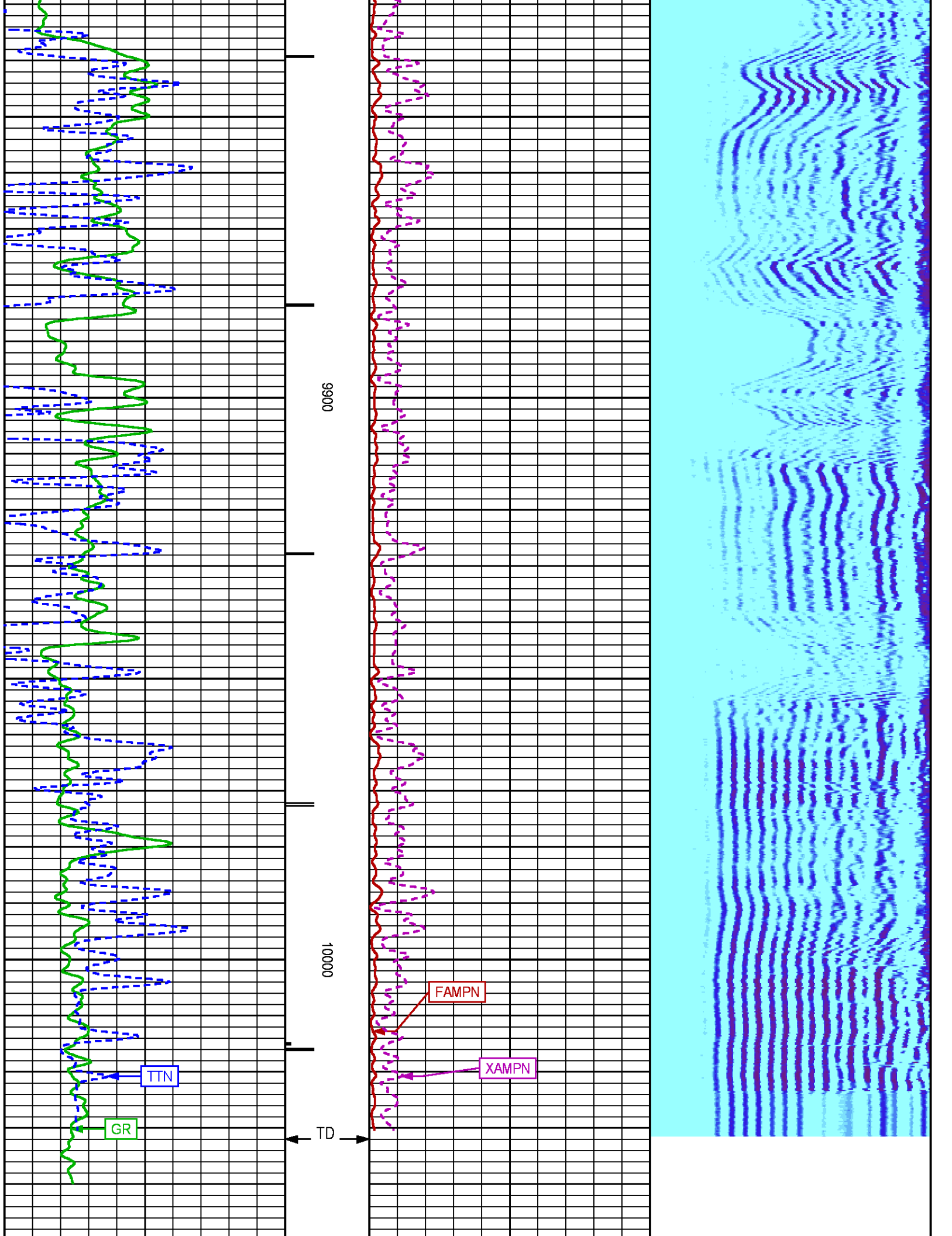


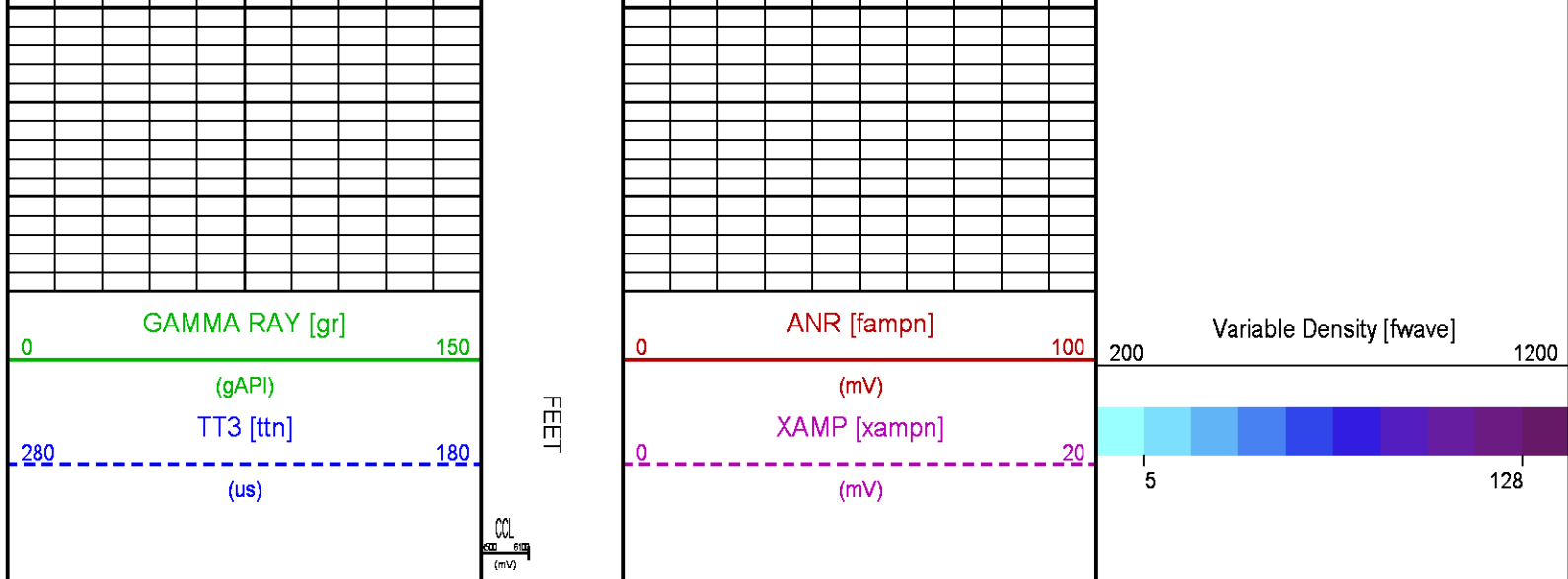












REPEAT LOG 0 PSI

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

Updates: 1 Patches: 6

Plotted: Tue Jul 7 12:00:55 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH097556/n012gR01.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 30.750 ft BOTTOM DEPTH: 10042.750 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

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

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	185	us	TOP	BOTTOM
	AMP WINDOW LENGTH	30	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-69	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

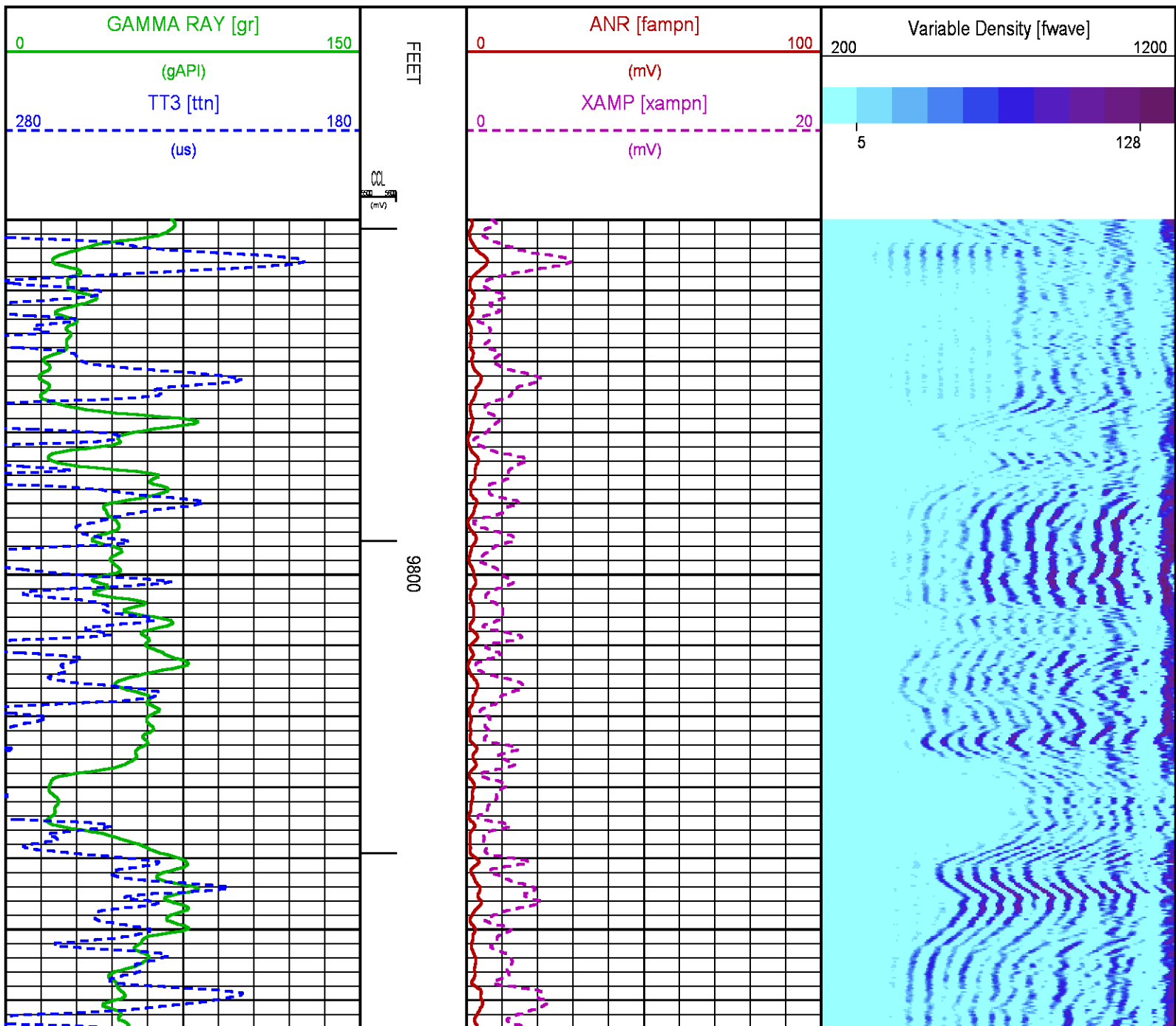
CURVE NAME CREATION DATE CURVE DESCRIPTION

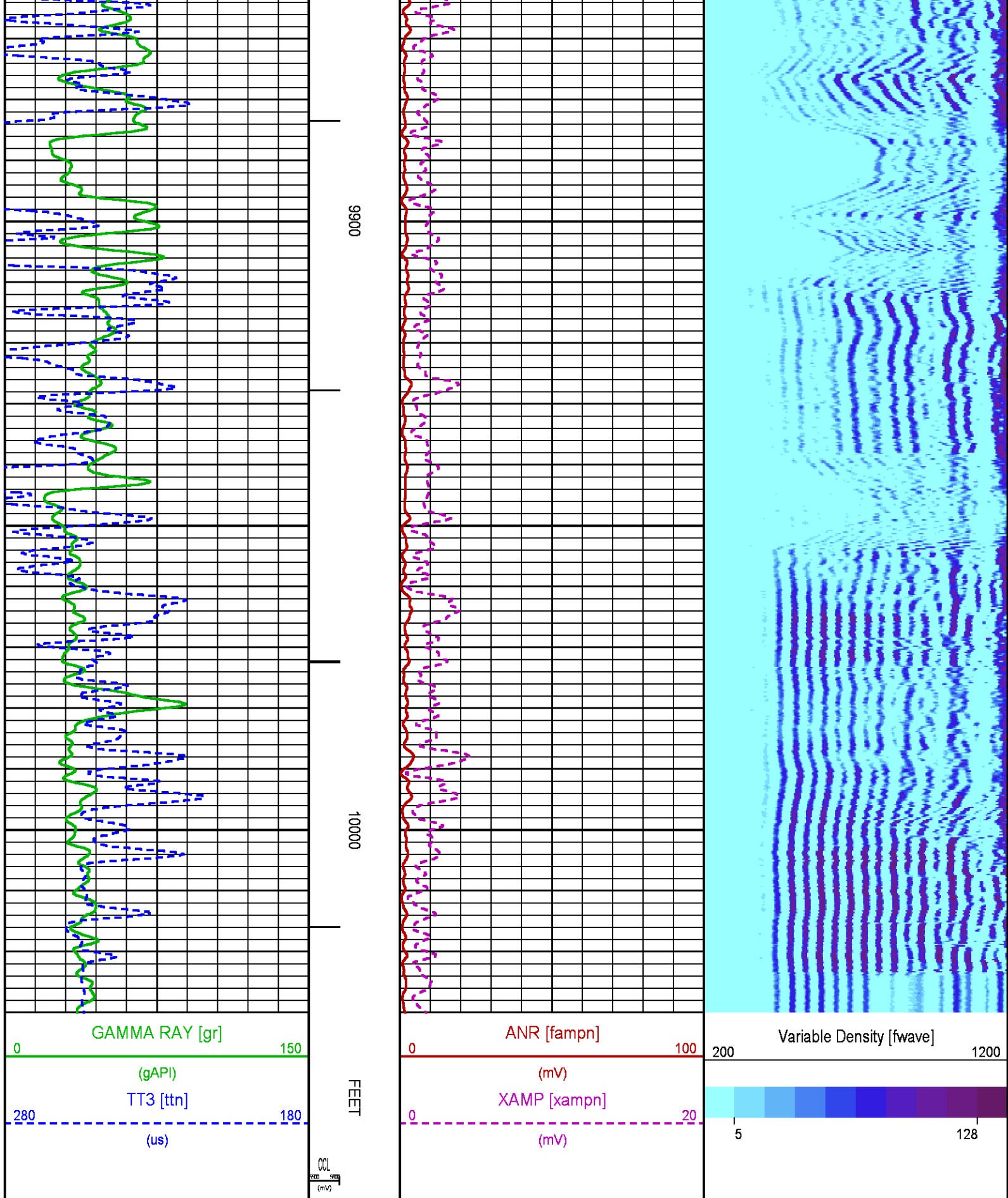
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 7 11:27:55 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 7 11:27:55 2015	FAR WAVE FORM
F1:GR	Jul 7 11:27:55 2015	GAMMA RAY
F1:TTN	Jul 7 11:27:55 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 7 11:27:55 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/CH097556/WPX_CBL_REPEAT_PRESENTATION.fvpdf [5"/100' Scale]
Plot Interval	: 9750 - 10030 Feet
Data File 1	: F1 : HL6670:/dat1a/CH097556/n012gR01MAIN434.xtf
Created On	: Jul 7 11:27:55 2015
Company	: WPX ENERGY
Well	: YOUNBERG RU 434_7
Field	: RULISON
File Interval	: 19.5 - 10042.8 Feet
OCT	: n012g





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

Updates: 1 Patches: 6

Plotted: Tue Jul 7 11:59:43 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH097556/n012gR01.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 30.750 ft BOTTOM DEPTH: 10042.750 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

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

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	185	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	185	us	"	"
	AMP WINDOW START (fgp3*)	185	us	"	"
	AMP WINDOW START (fgp4*)	185	us	"	"
	AMP WINDOW START (fgp5*)	185	us	"	"
	AMP WINDOW START (fgp6*)	185	us	"	"
	AMP WINDOW START (fgp7*)	185	us	"	"
	AMP WINDOW START (fgp8*)	185	us	"	"
	AMP WINDOW START (fgpn*)	185	us	"	"
	AMP WINDOW LENGTH	30	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-69	us	"	"
	TOOL DELAY (str2*)	-69	us	"	"
	TOOL DELAY (str3*)	-69	us	"	"
	TOOL DELAY (str4*)	-69	us	"	"
	TOOL DELAY (str5*)	-69	us	"	"
	TOOL DELAY (str6*)	-69	us	"	"
	TOOL DELAY (str7*)	-69	us	"	"
	TOOL DELAY (str8*)	-69	us	"	"
	TOOL DELAY (strn*)	-69	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	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Jul 7 11:27:55 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 7 11:27:55 2015	FAR WAVE FORM
F1:GR	Jul 7 11:27:55 2015	GAMMA RAY
F1:PBMAP	Jul 7 11:27:55 2015	PERCENT BOND CEMENT MAP
F1:TTN	Jul 7 11:27:55 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 7 11:27:55 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

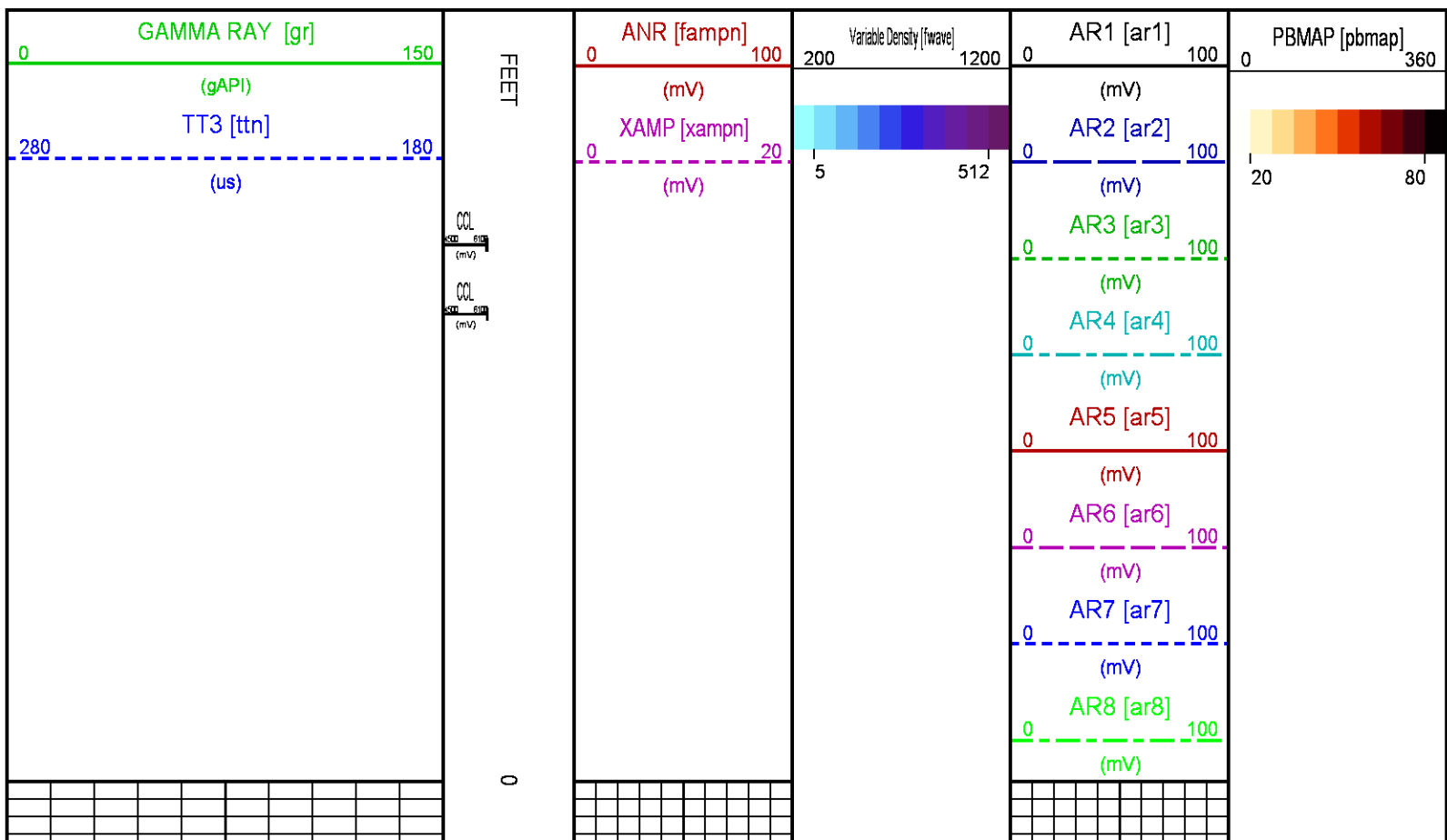
CURVE MEASURE POINT OFFSET

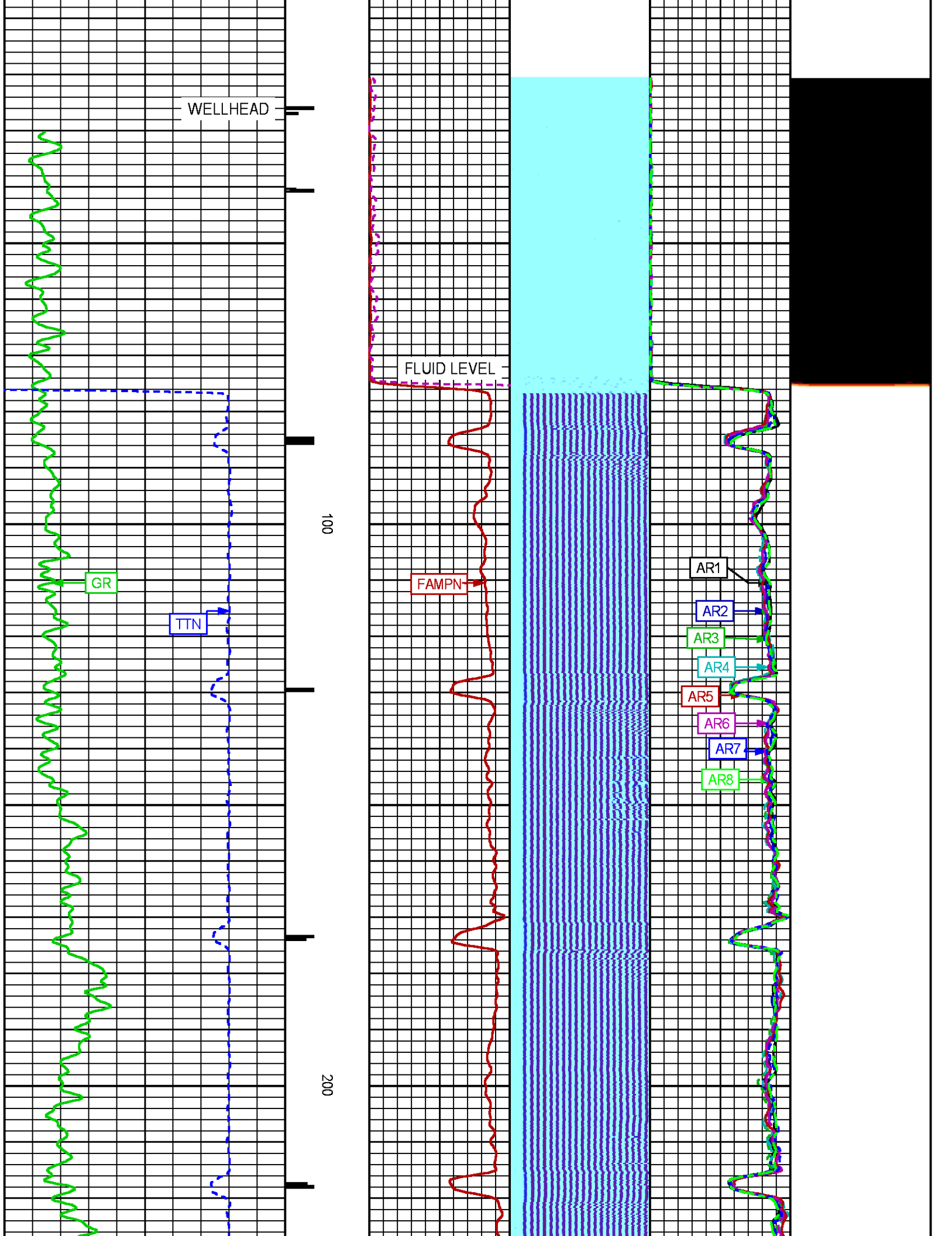
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
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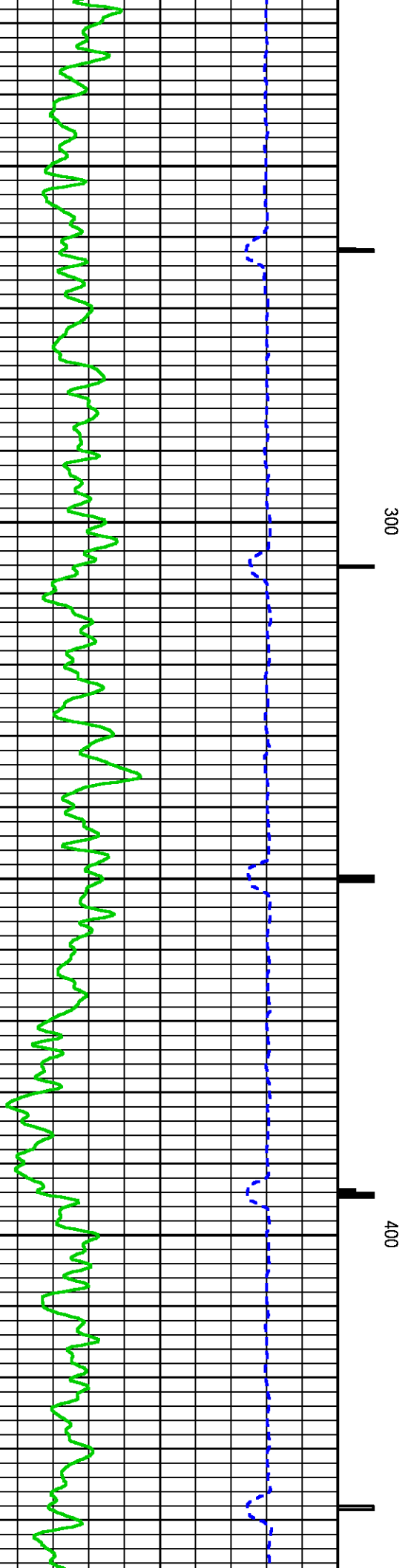
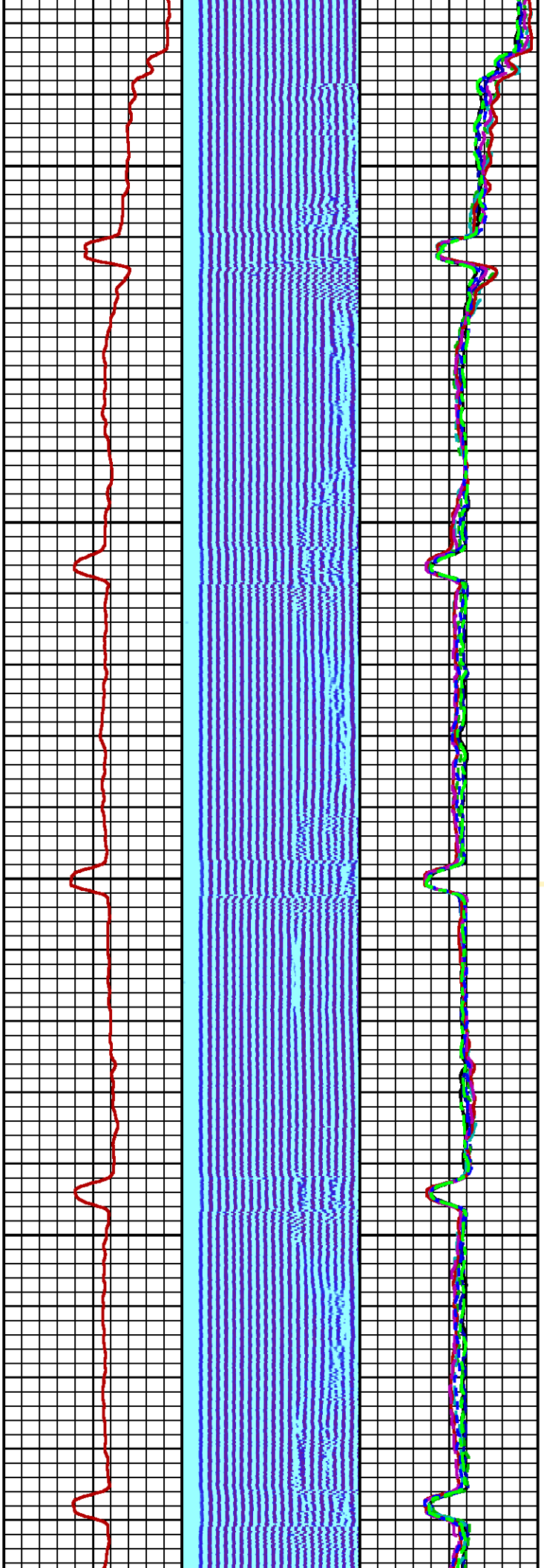
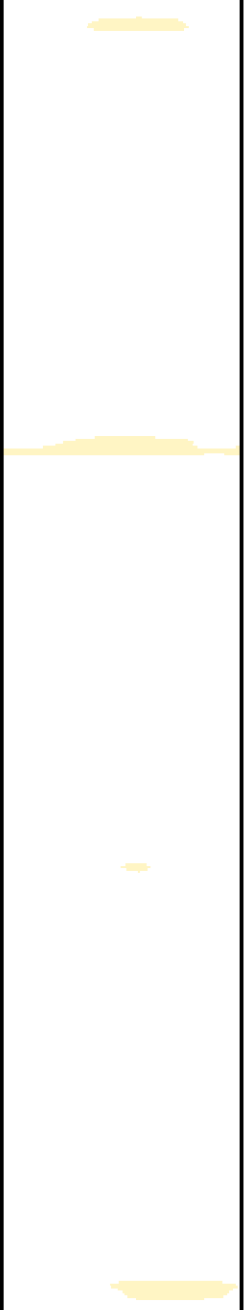
AR1	11.25	AR5	11.25	CCL	5.75	XAMPN	11.25
AR2	11.25	AR6	11.25	FAMPN	11.25		
AR3	11.25	AR7	11.25	GR	1.75		
AR4	11.25	AR8	11.25	TTN	11.25		

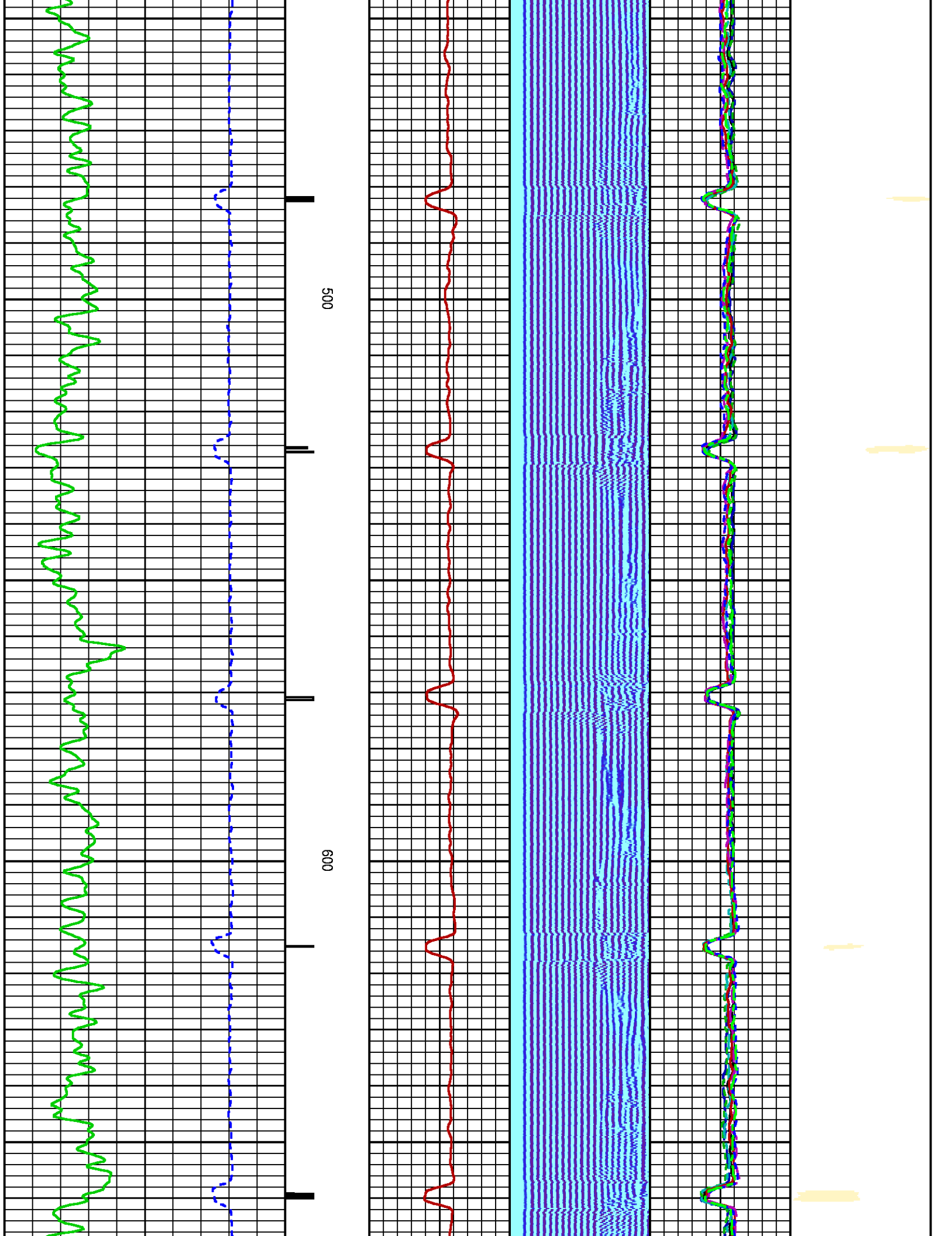
Presentation : HL6670:/dat1a/CH097556/WPX_CBL_SECONDARY_PRESENTATION.fvpdf [5"/100' Scale]
Plot Interval : 0 - 10037 Feet

Data File 1 : F1 : HL6670:/dat1a/CH097556/n012gR01MAIN434.xtf
Created On : Jul 7 11:27:55 2015
Company : WPX ENERGY
Well : YOUNBERG RU 434_7
Field : RULISON
File Interval : 19.5 - 10042.8 Feet
OCT : n012g



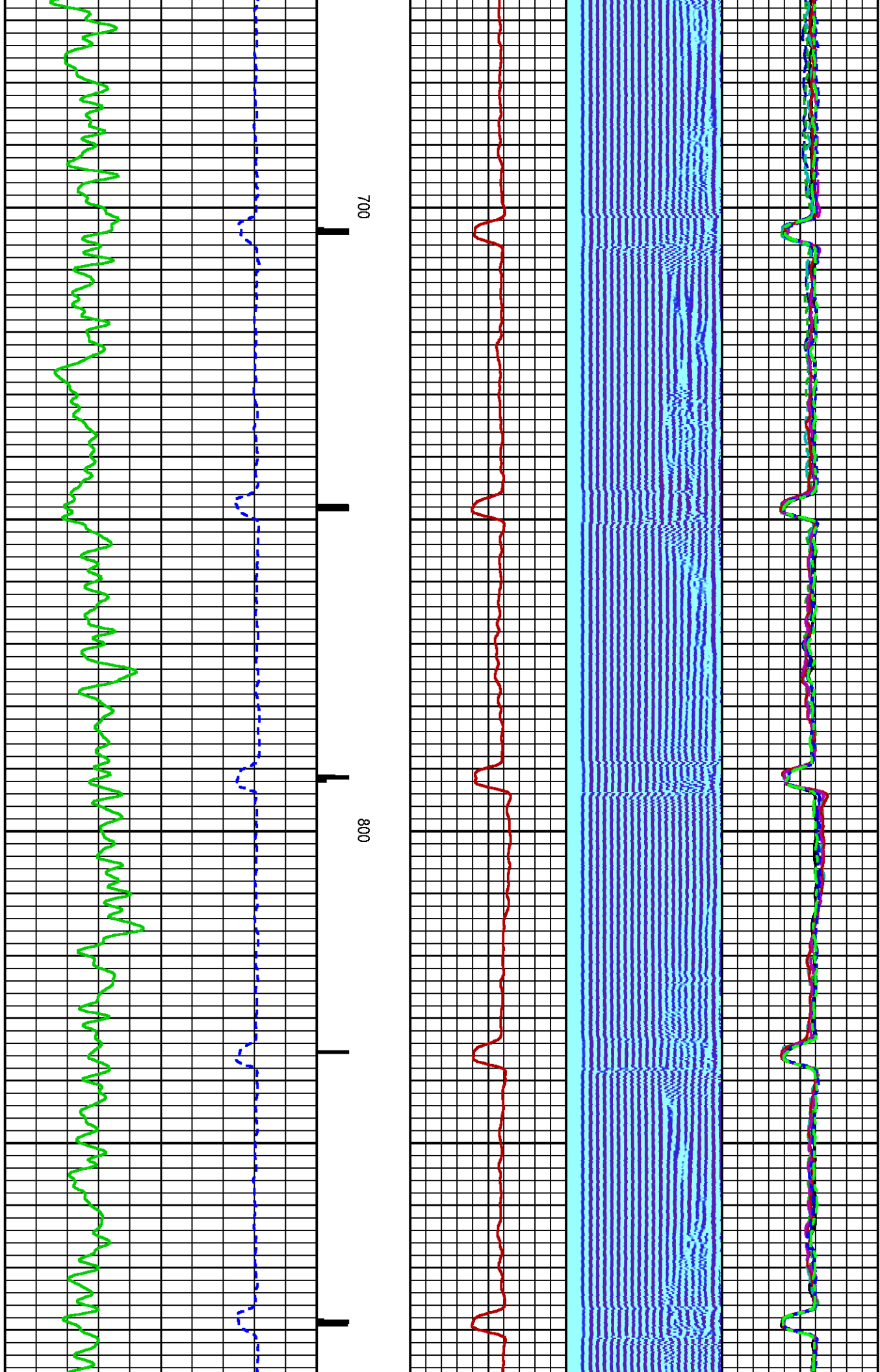


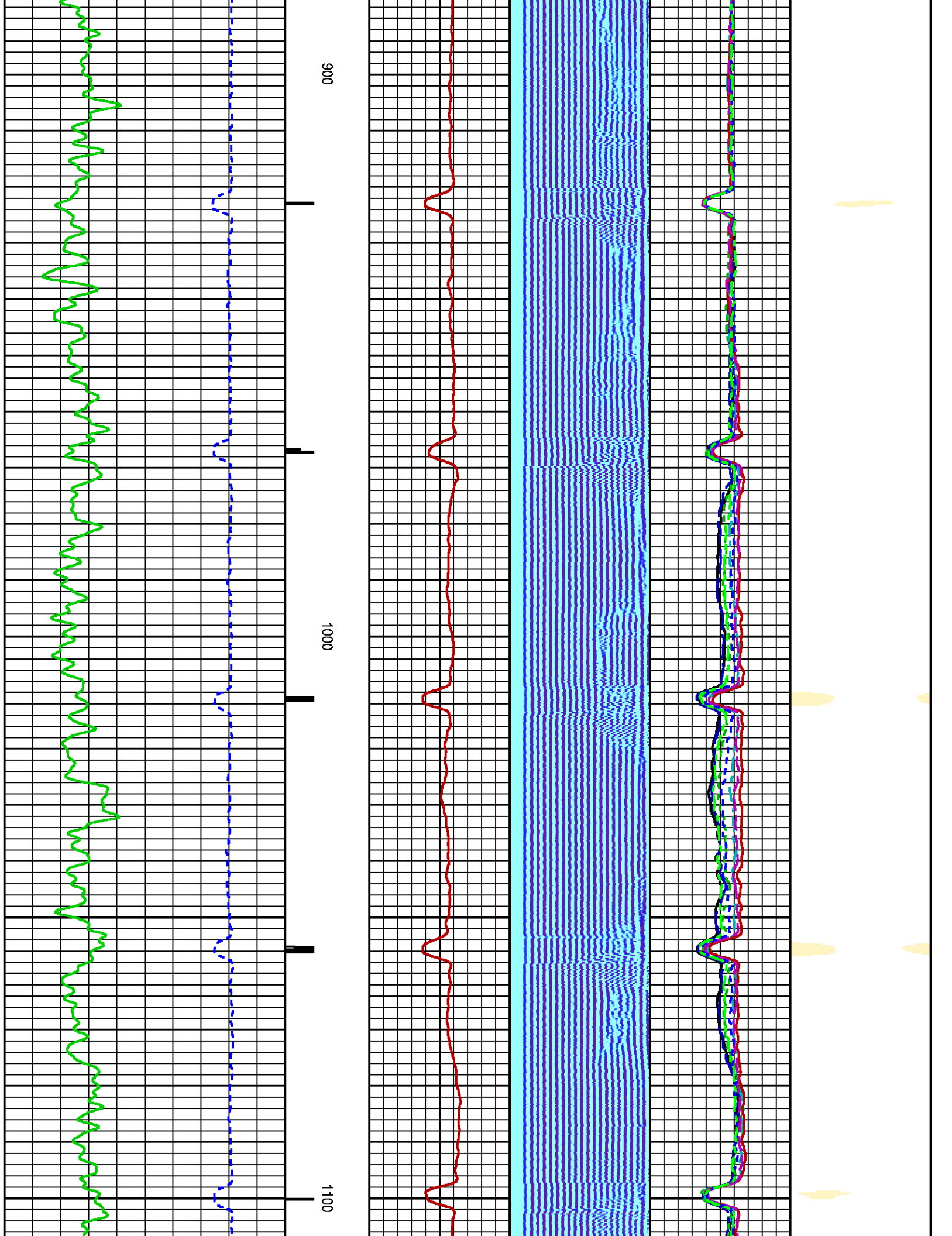


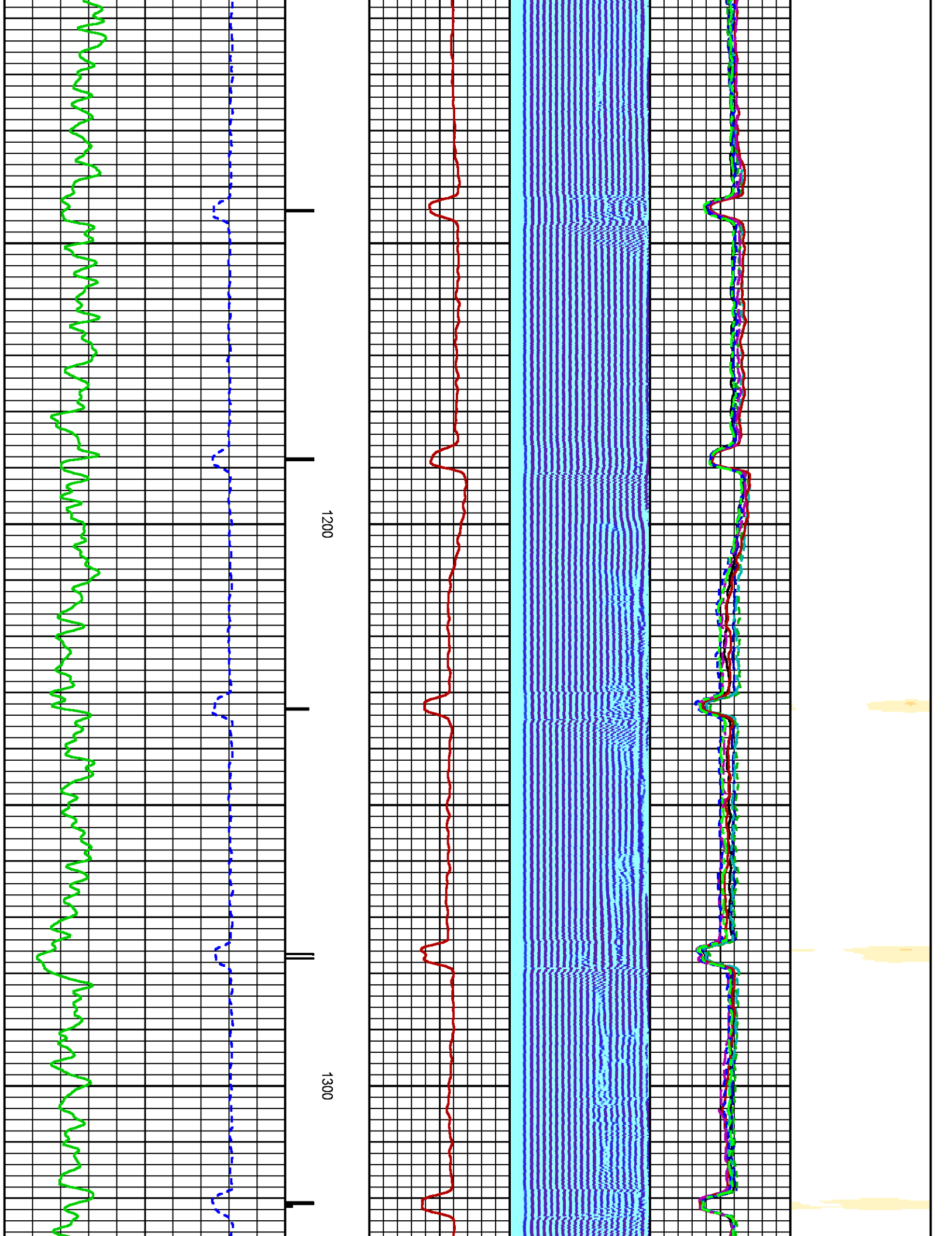


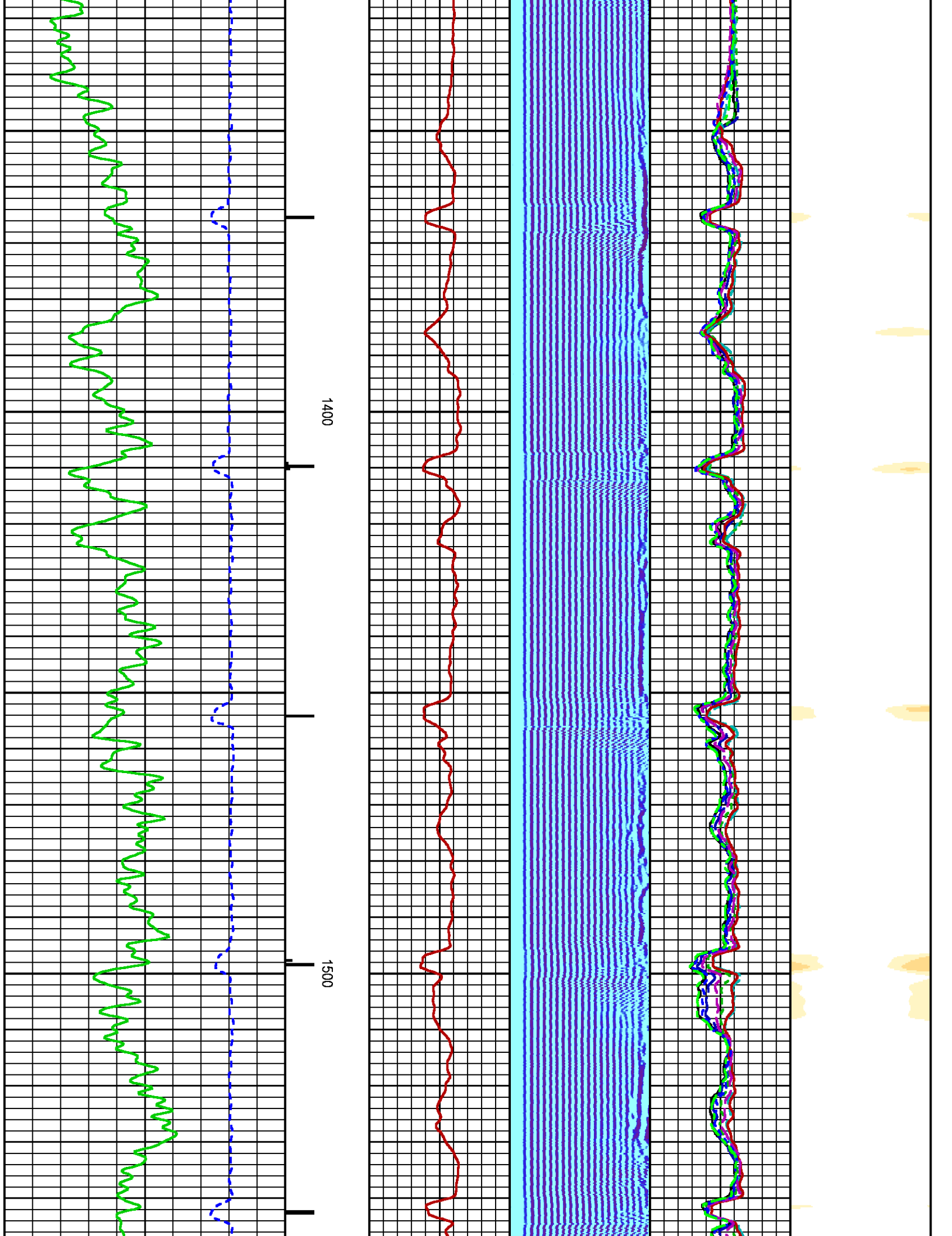
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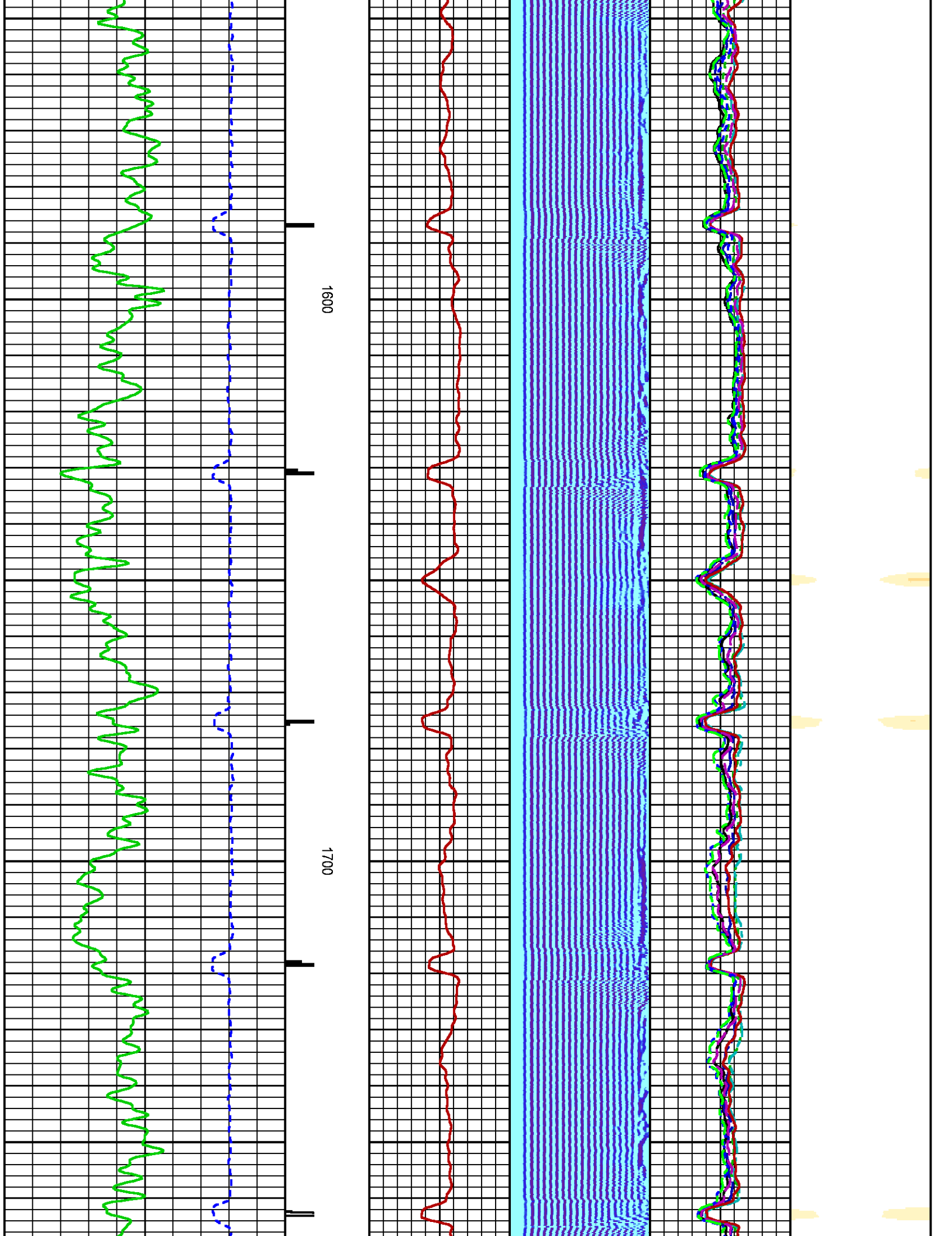
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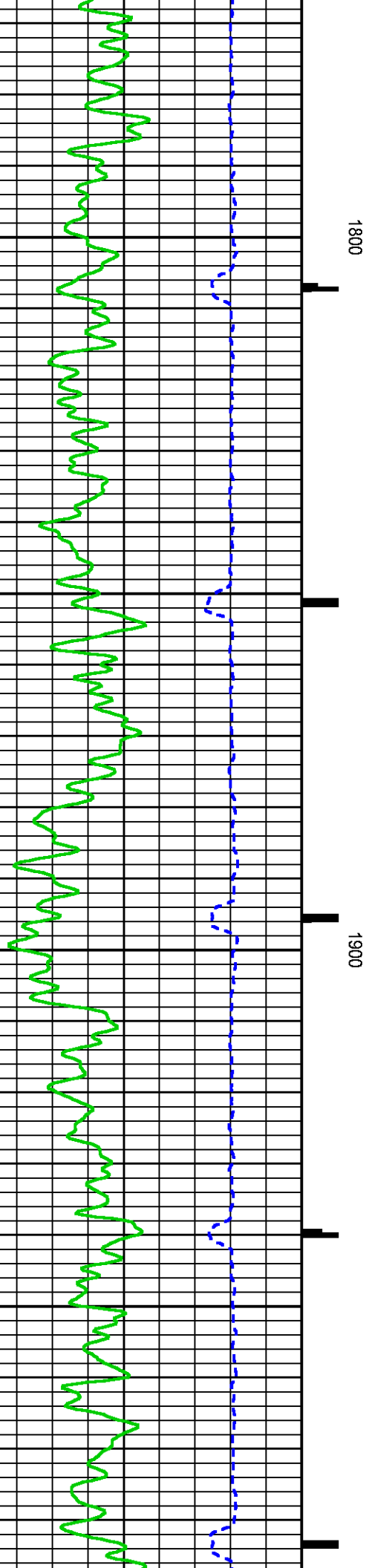
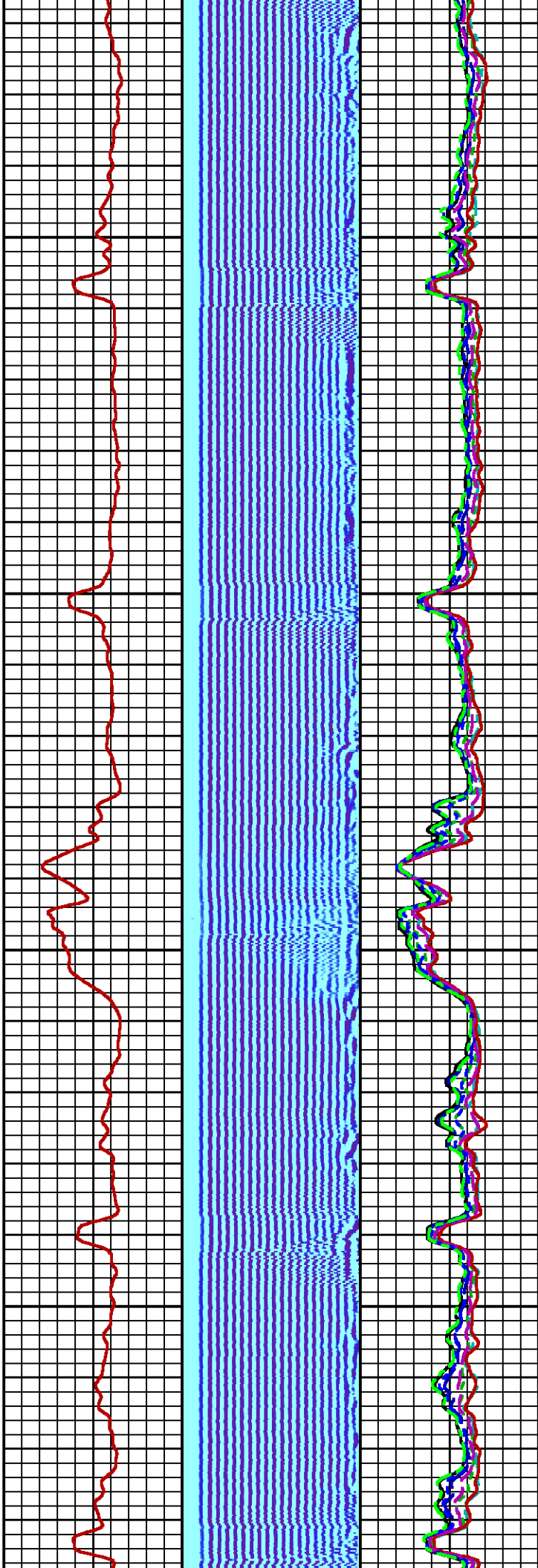
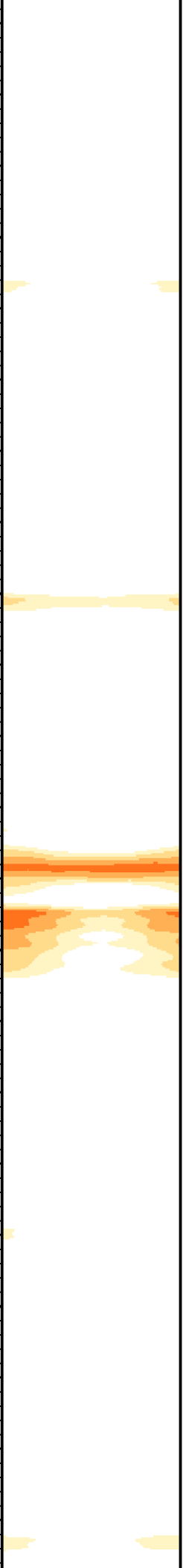


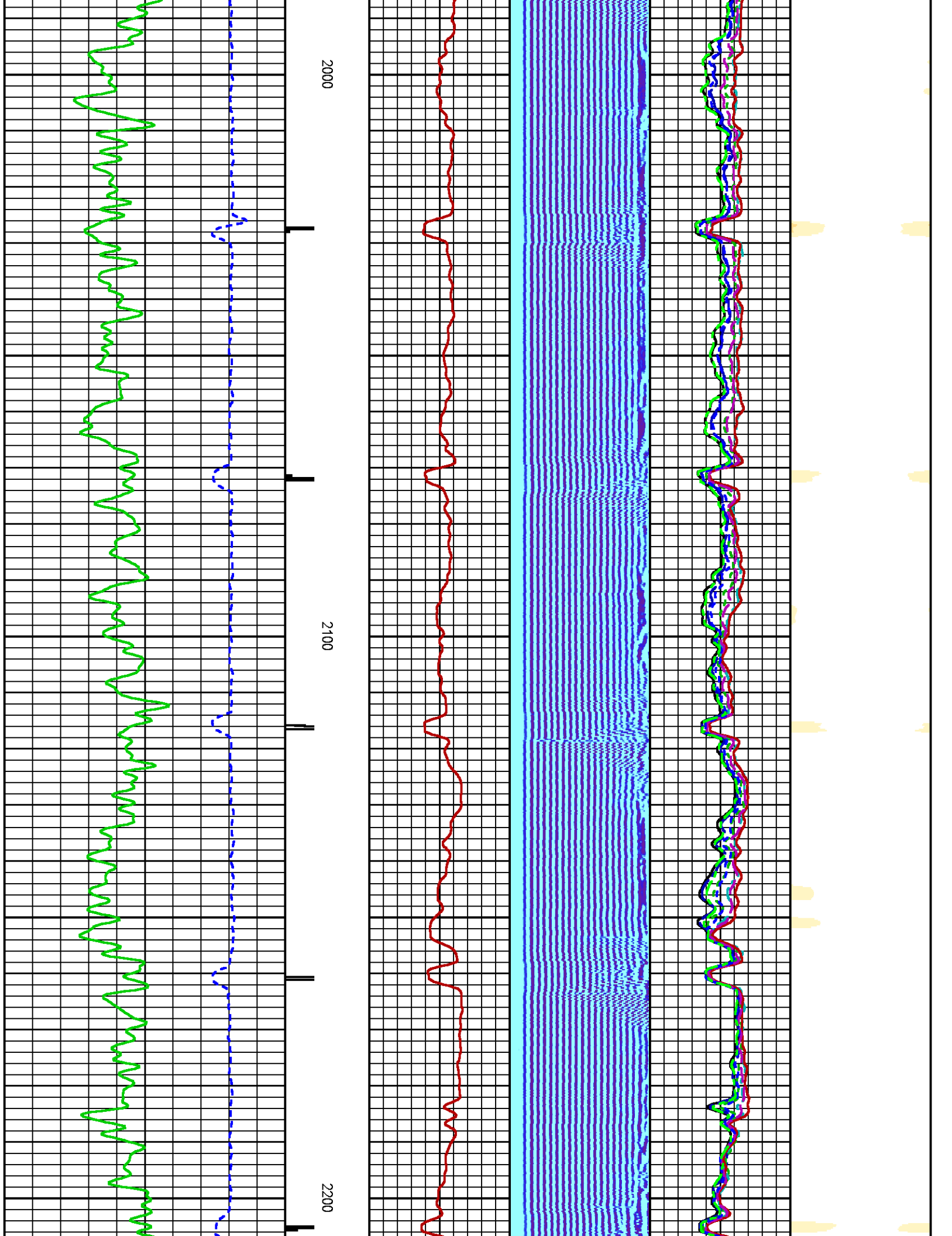


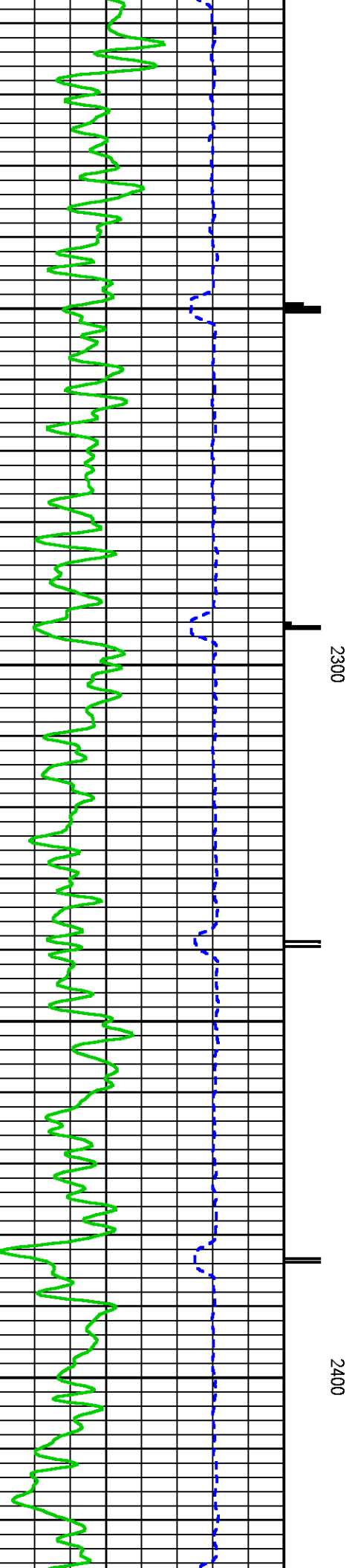
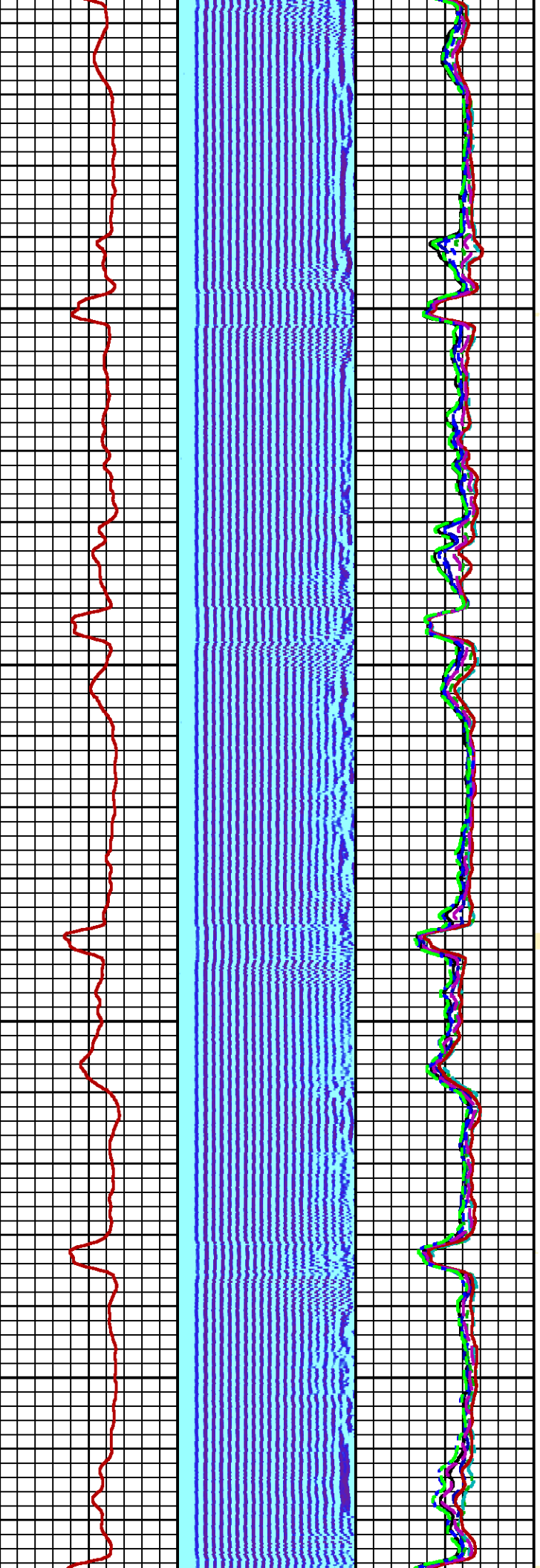


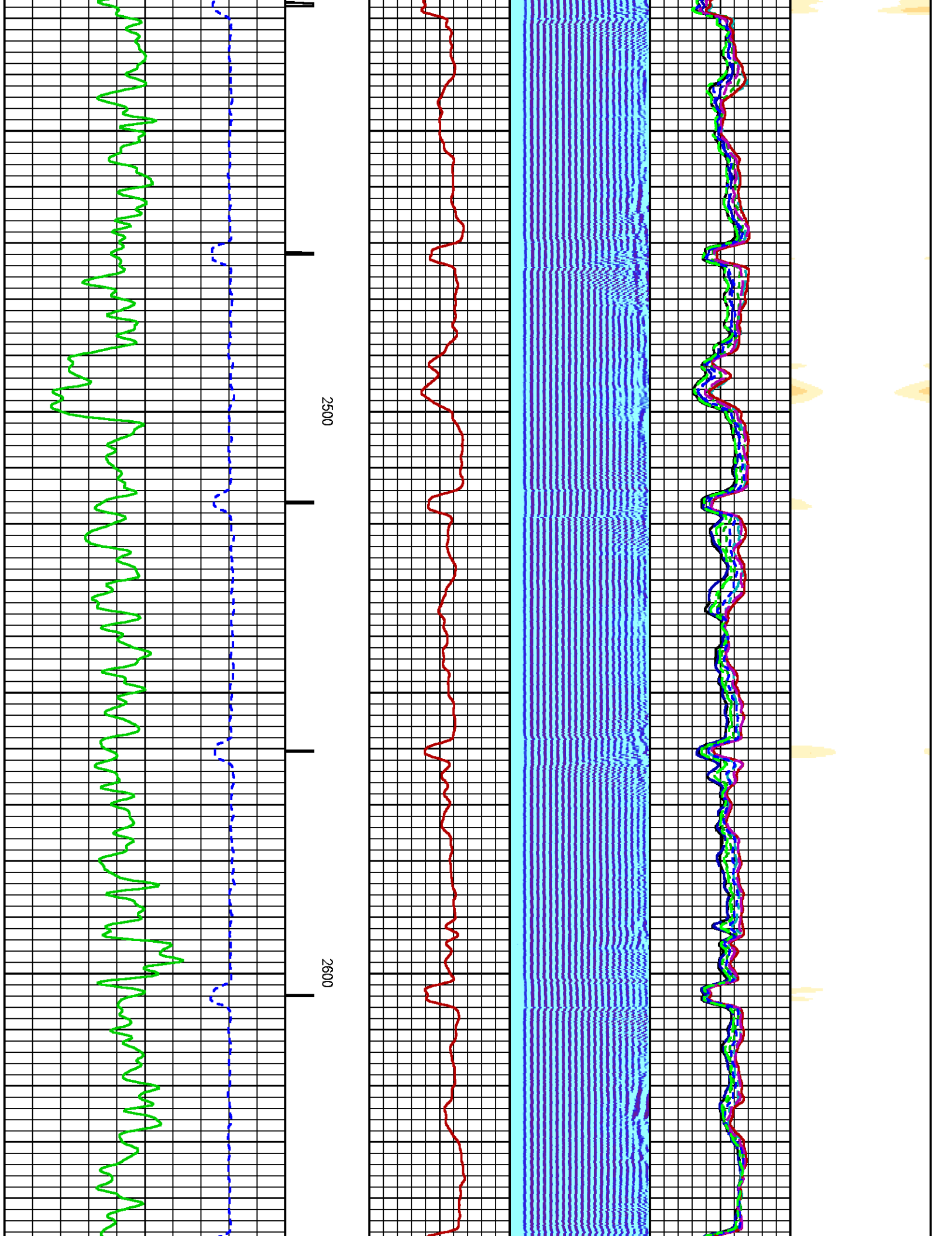


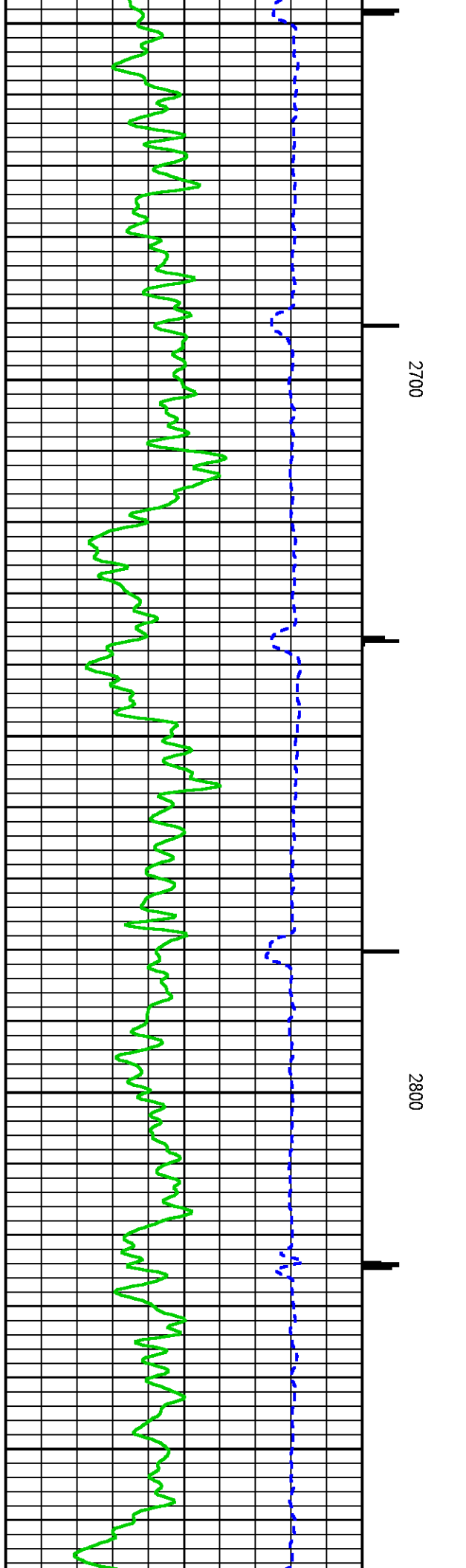
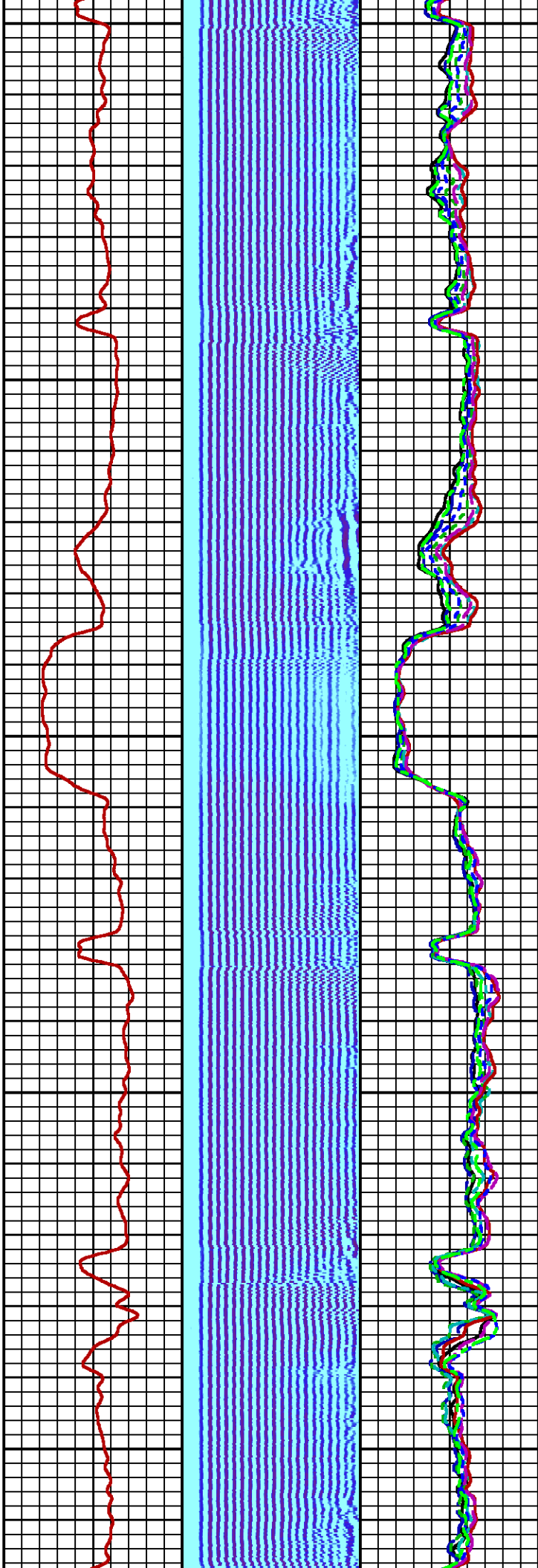
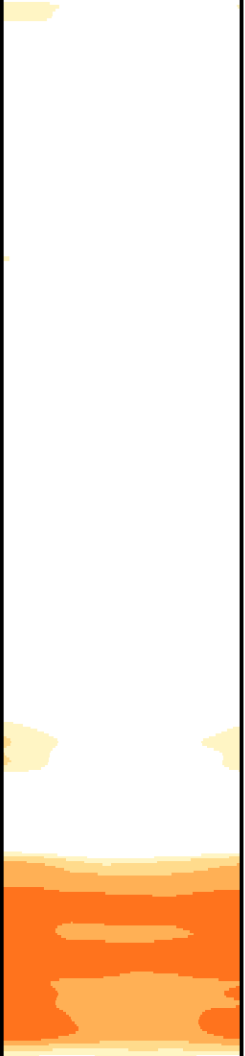


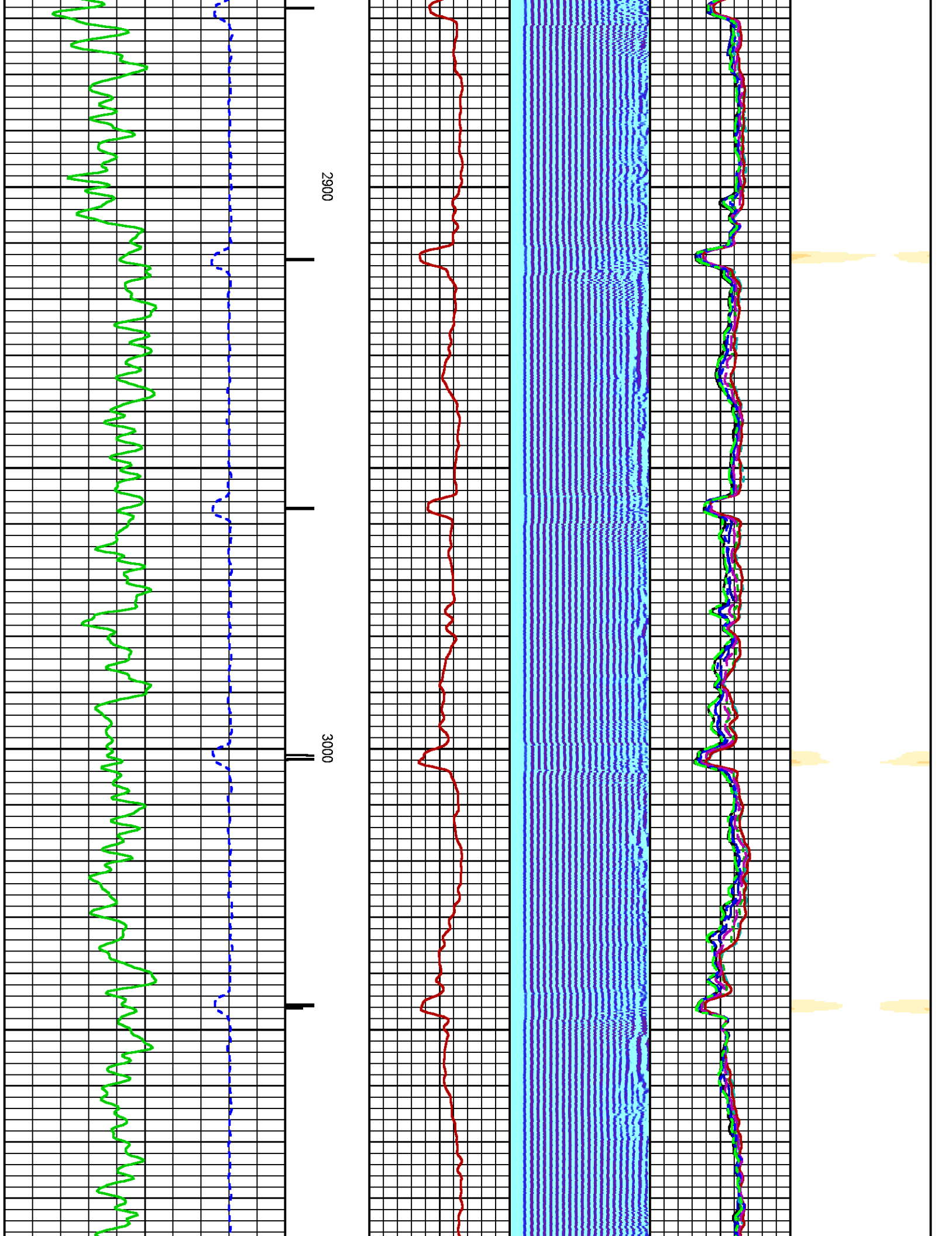


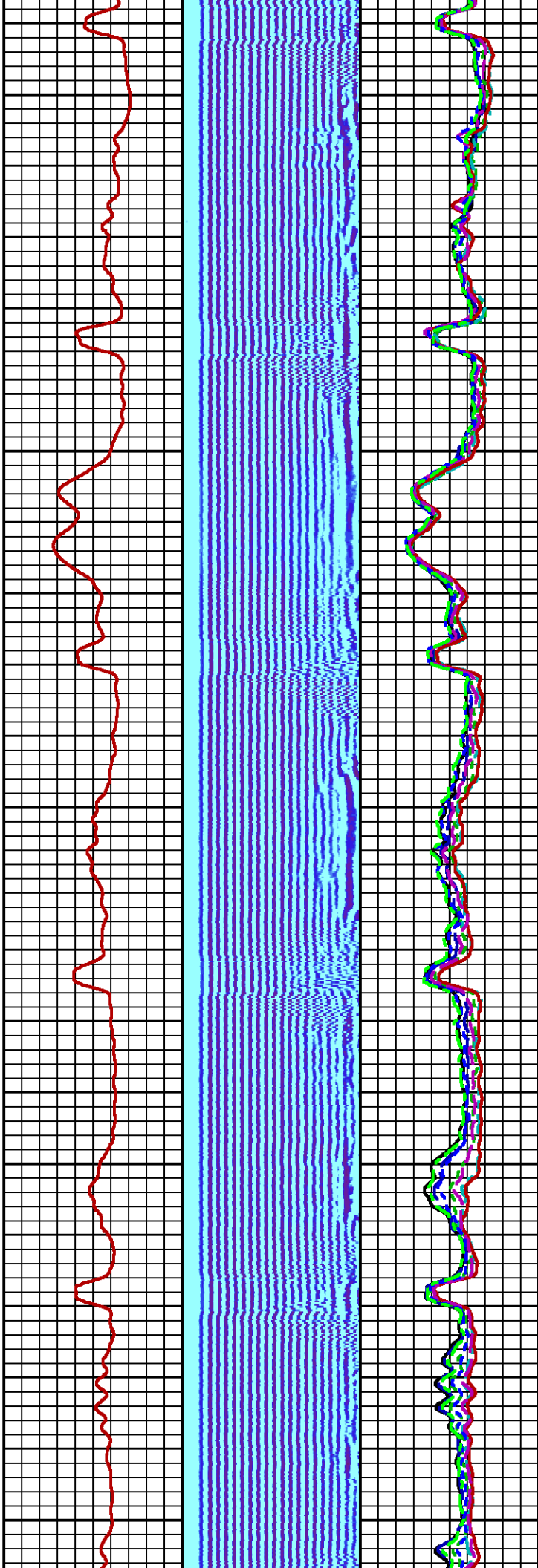
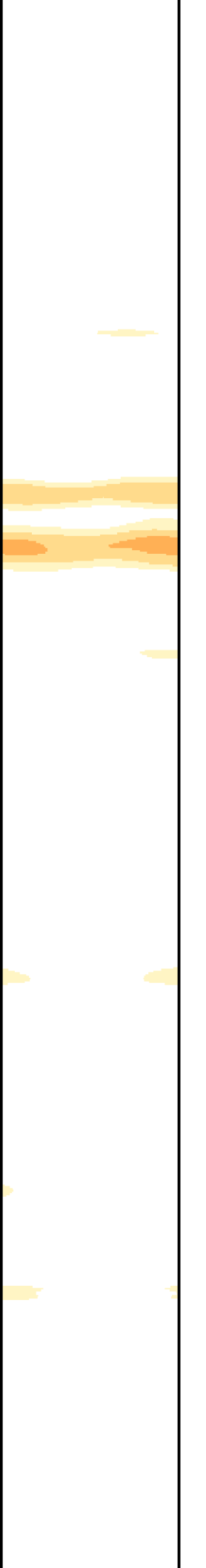








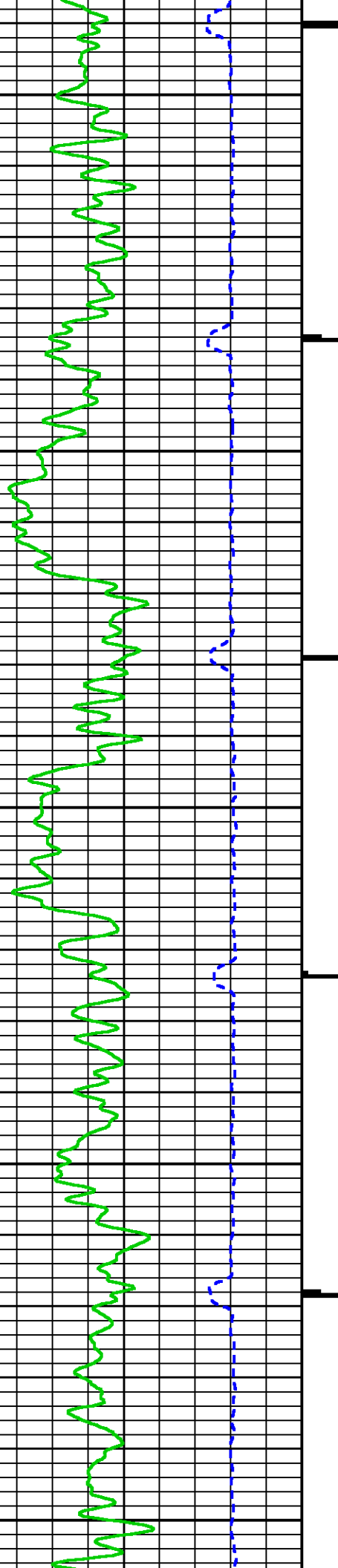


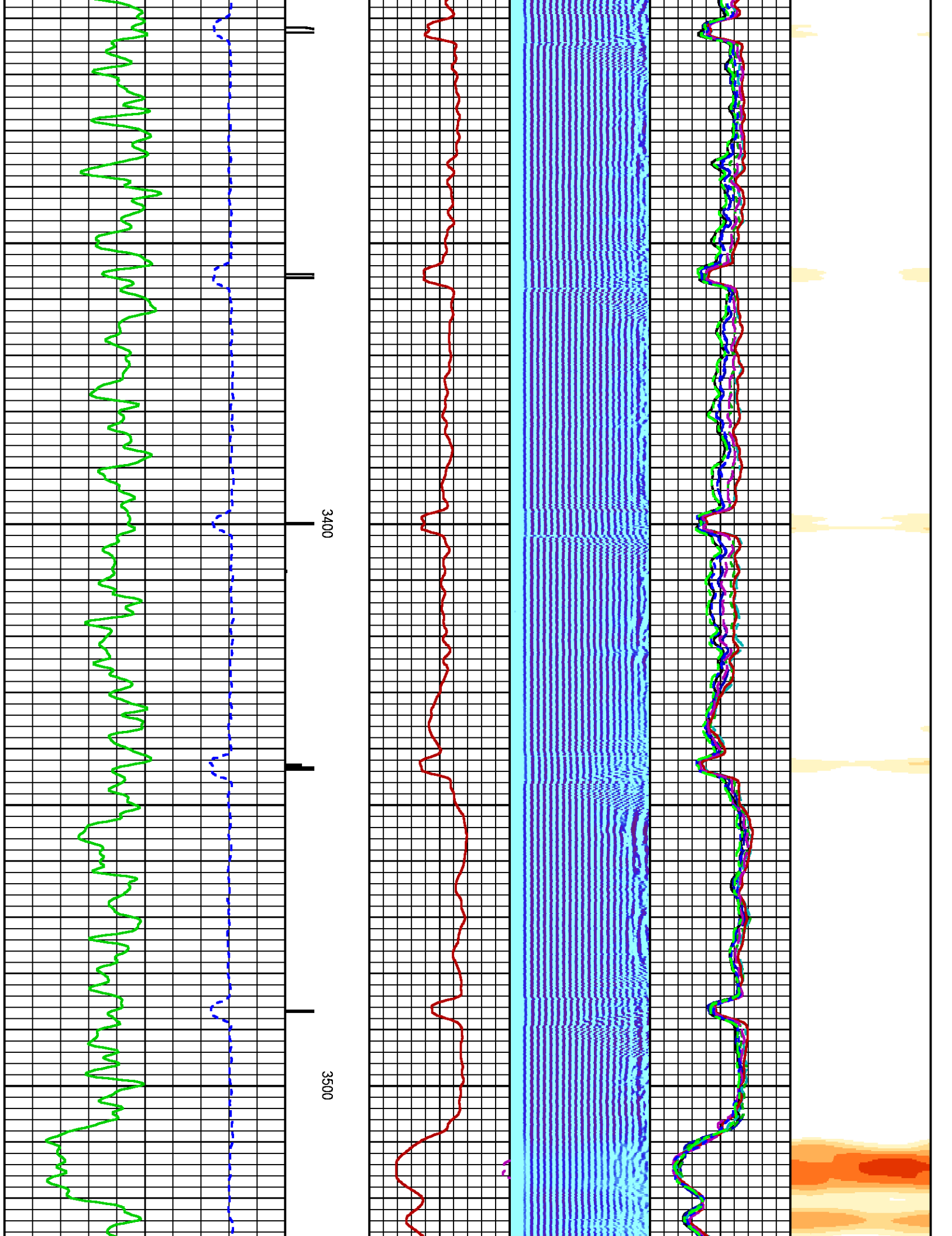


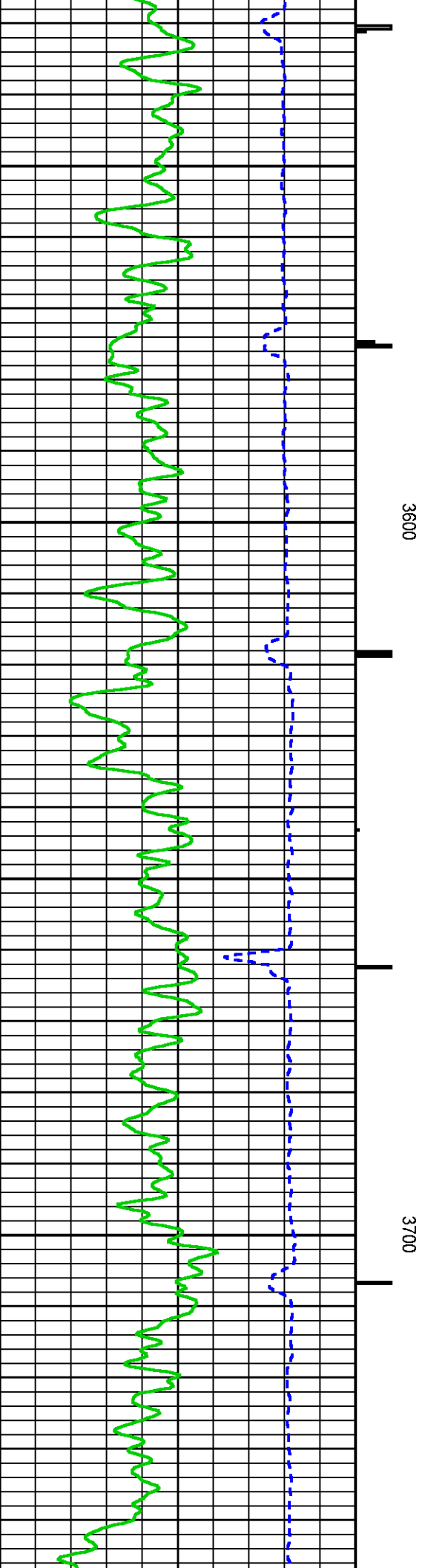
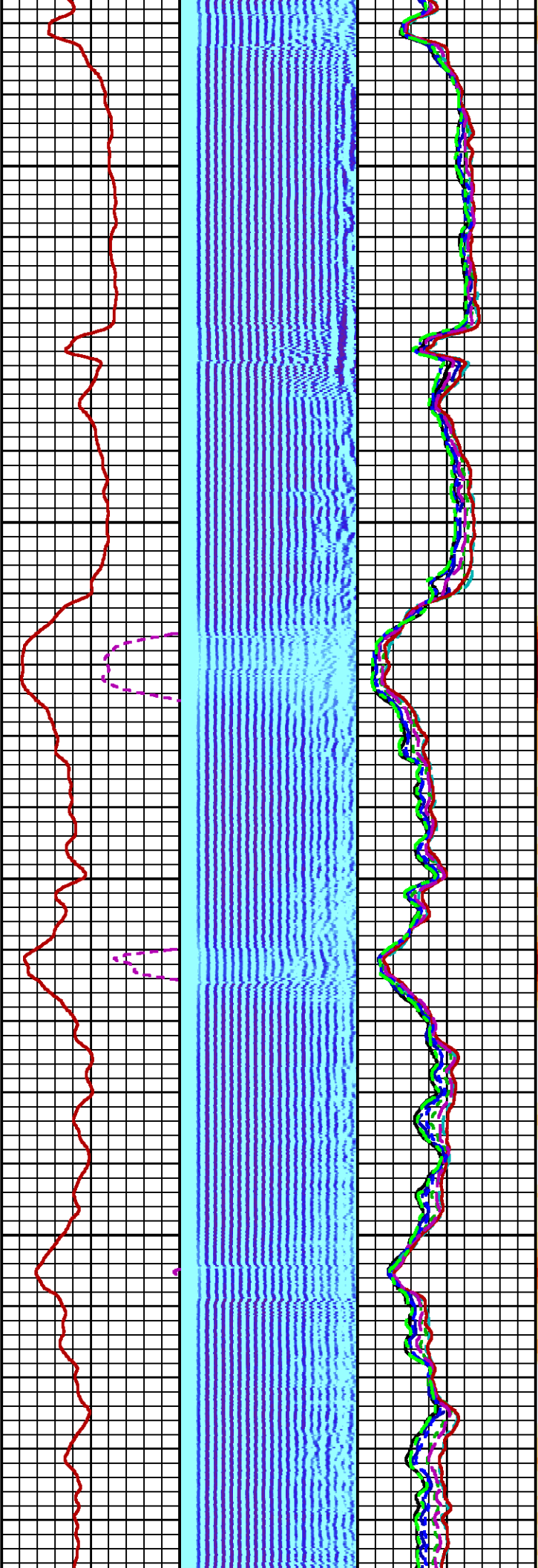
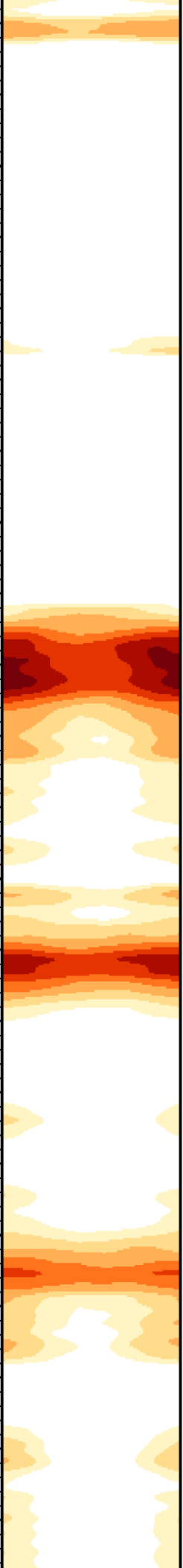
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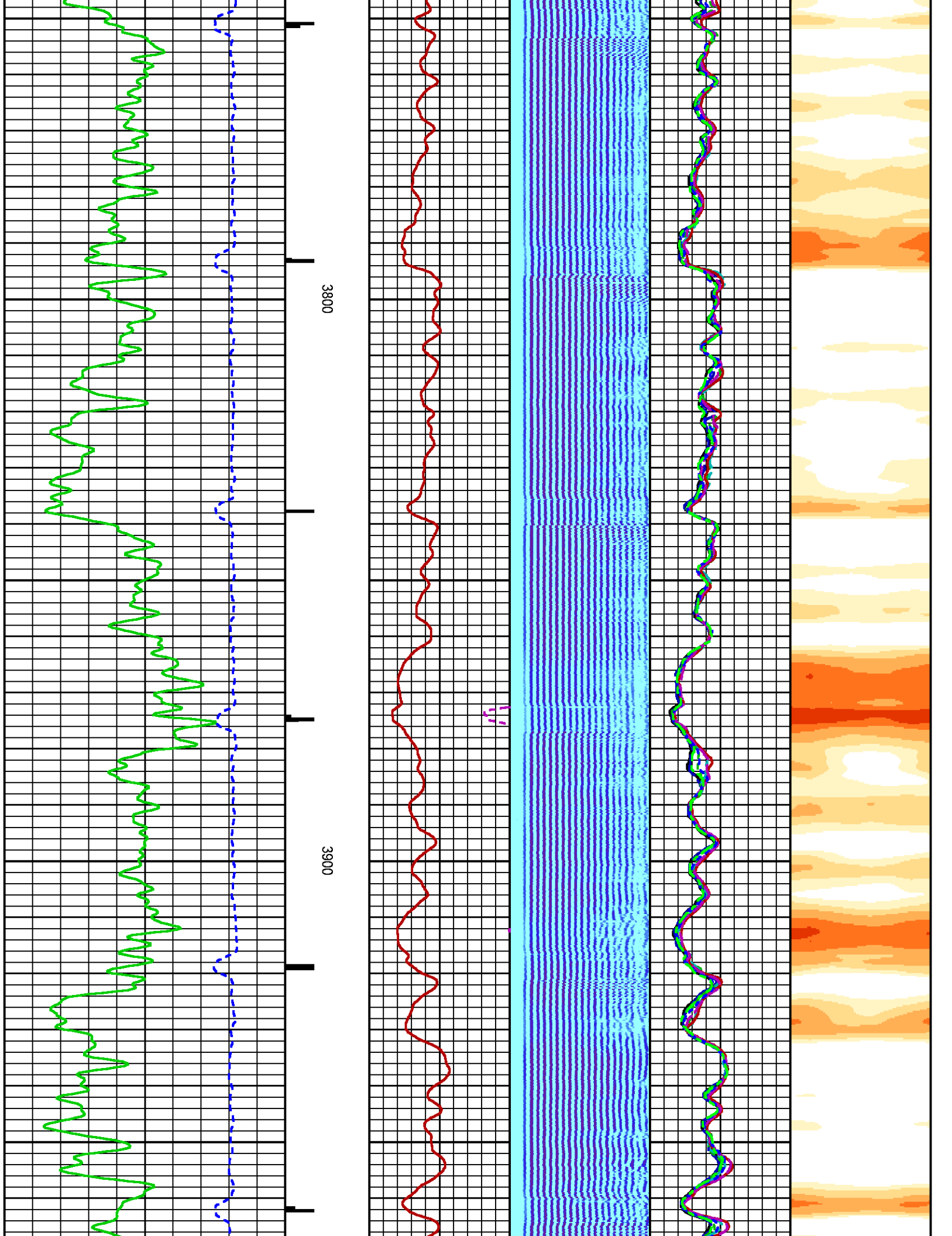
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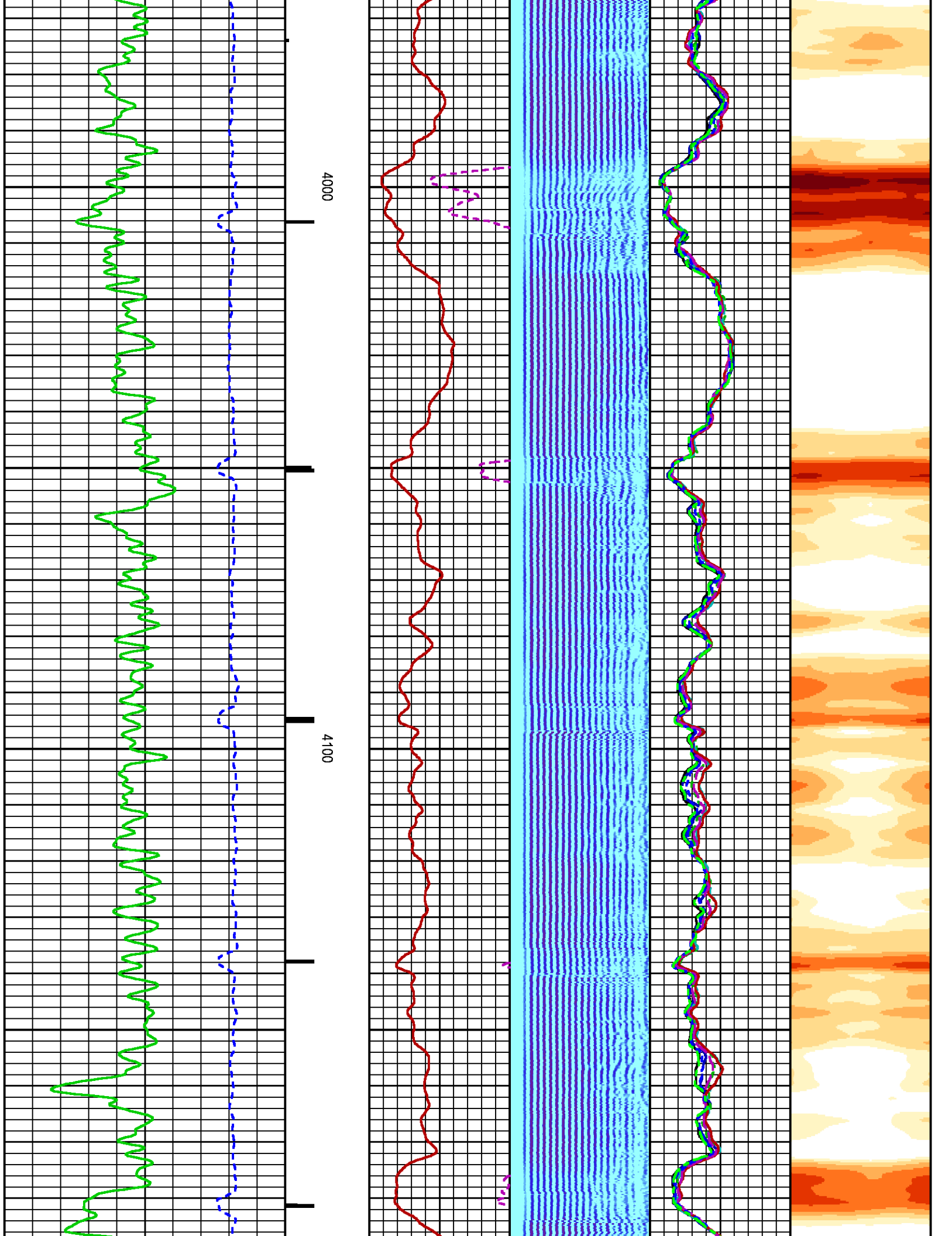
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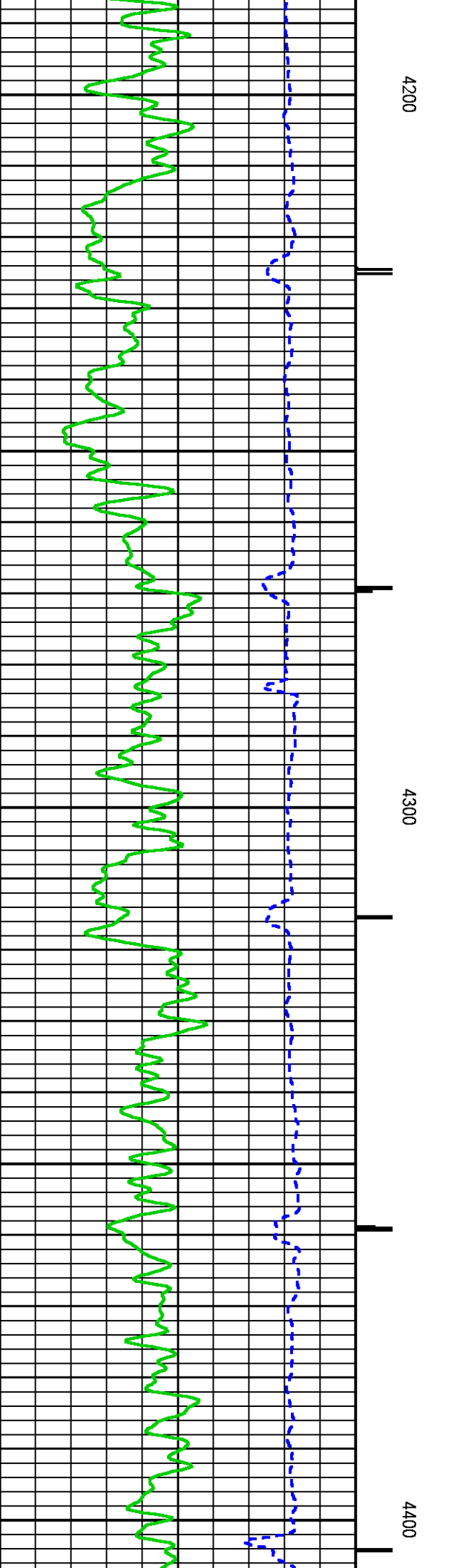
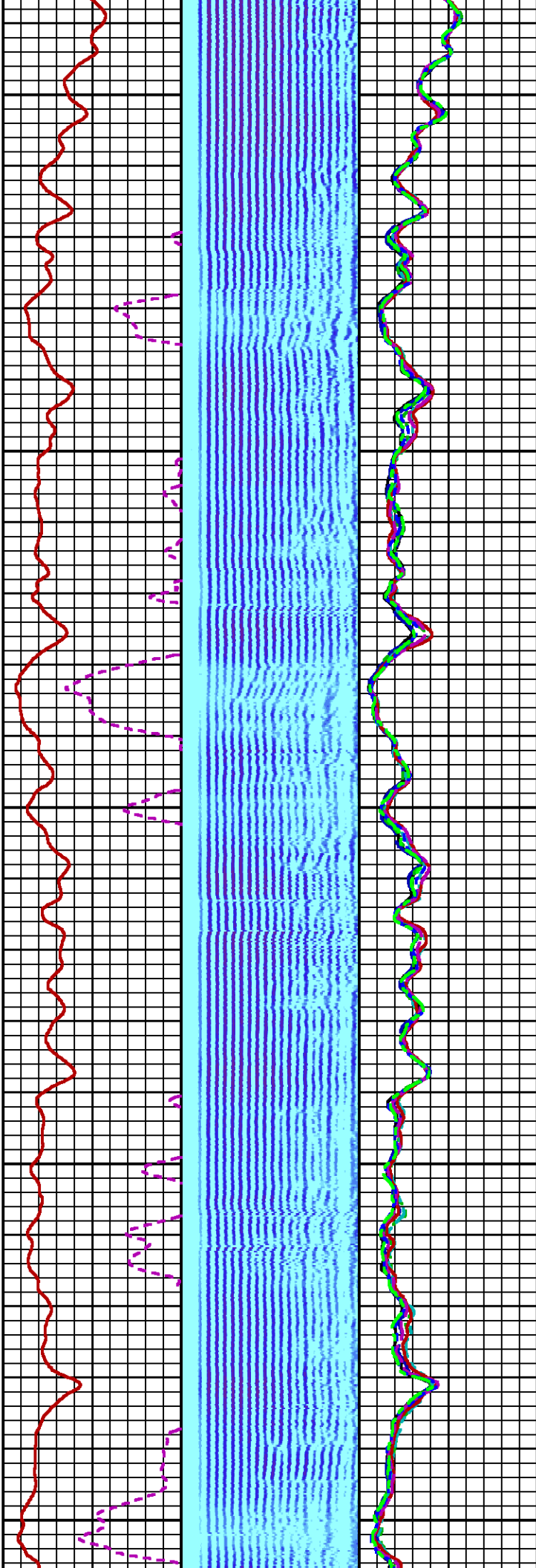
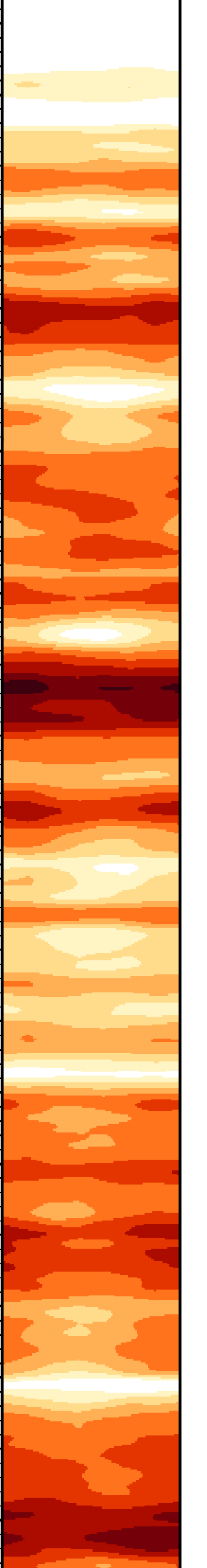


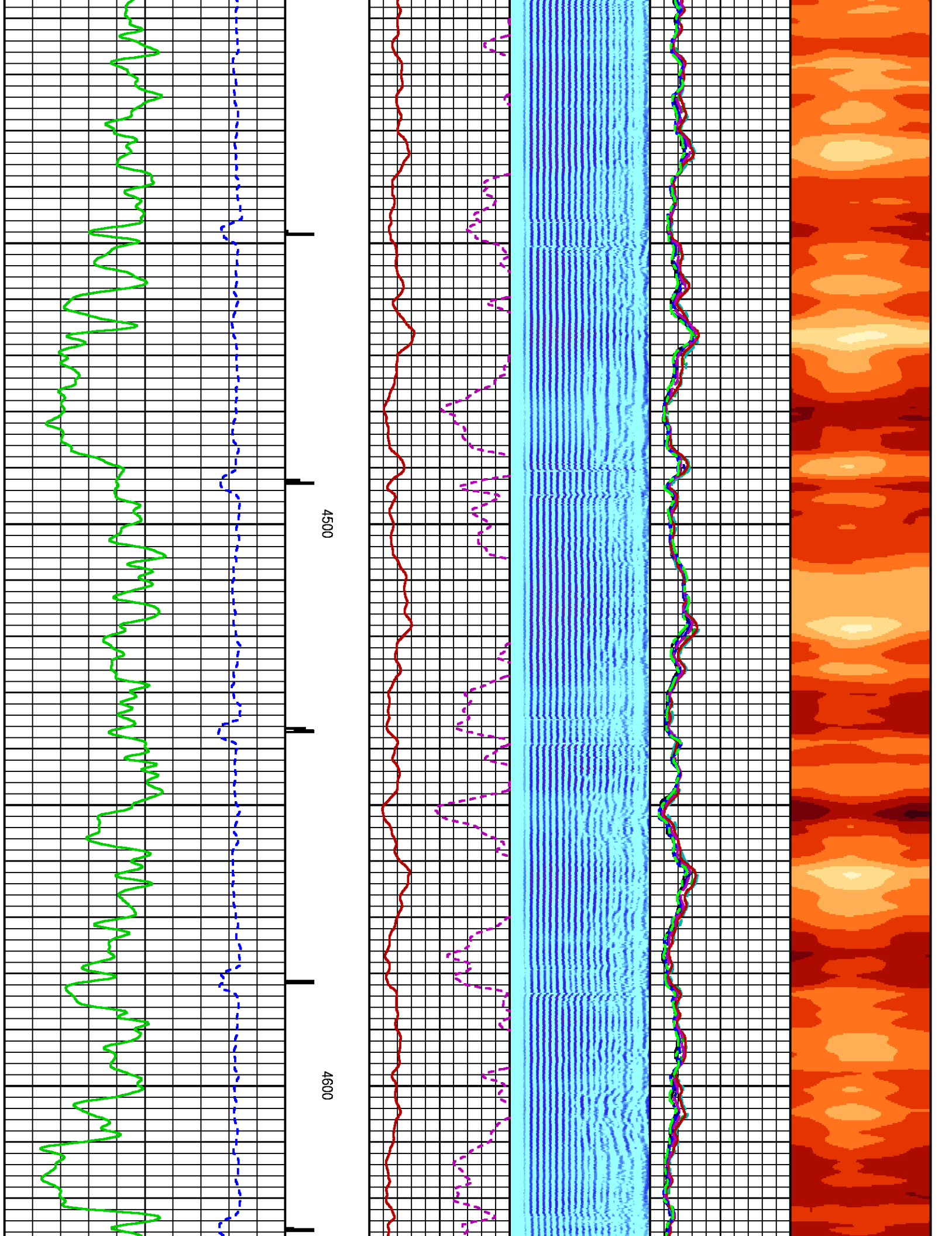


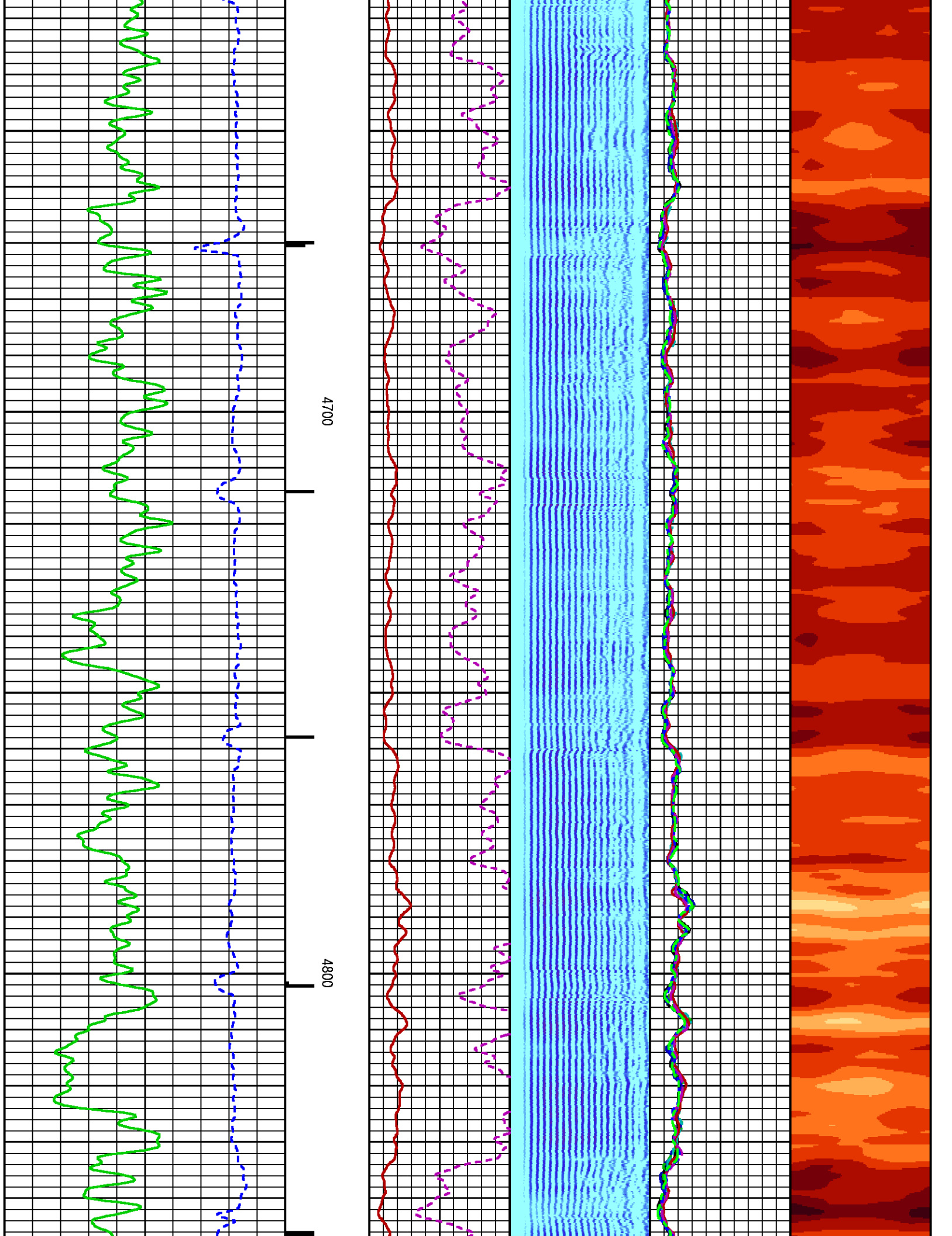


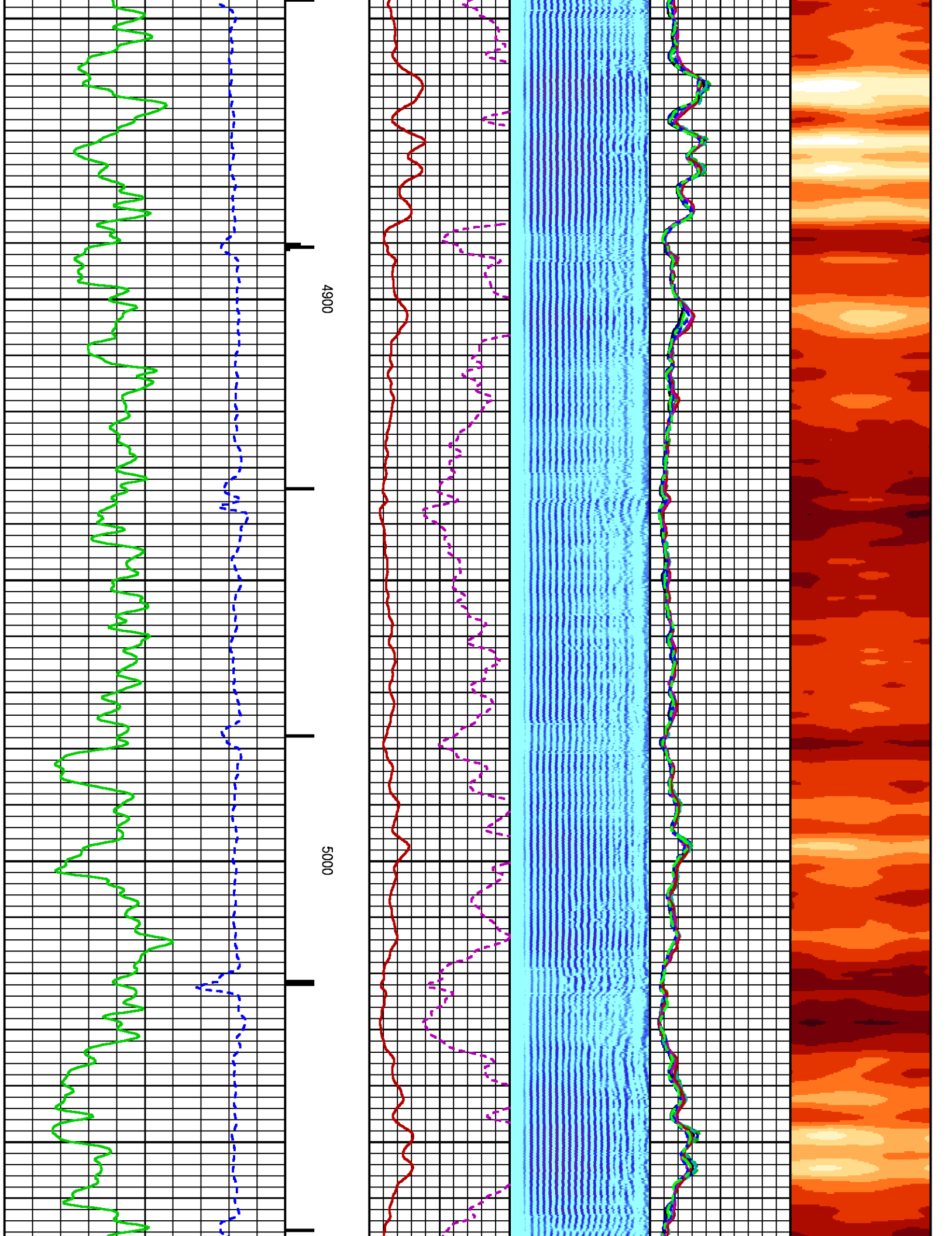


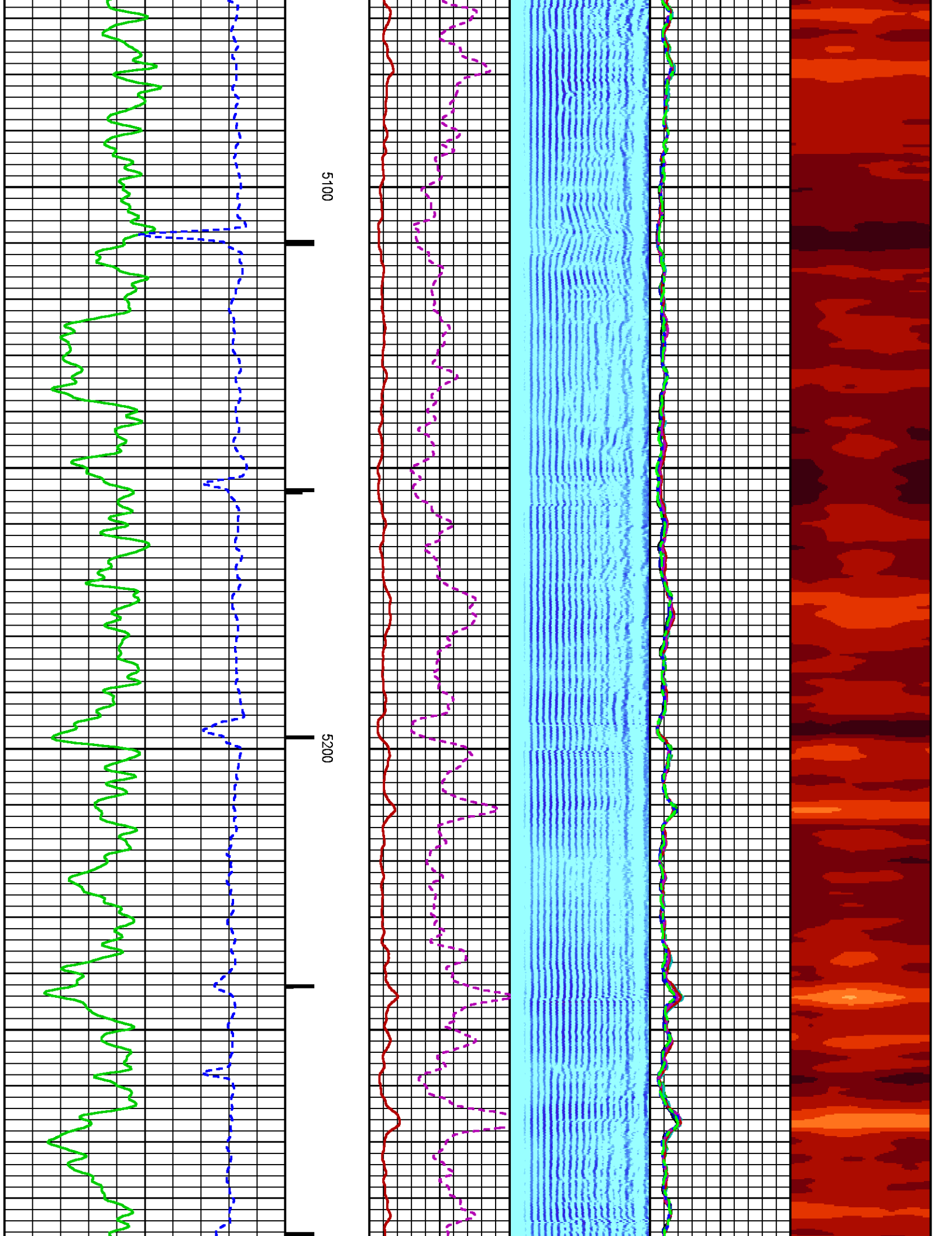


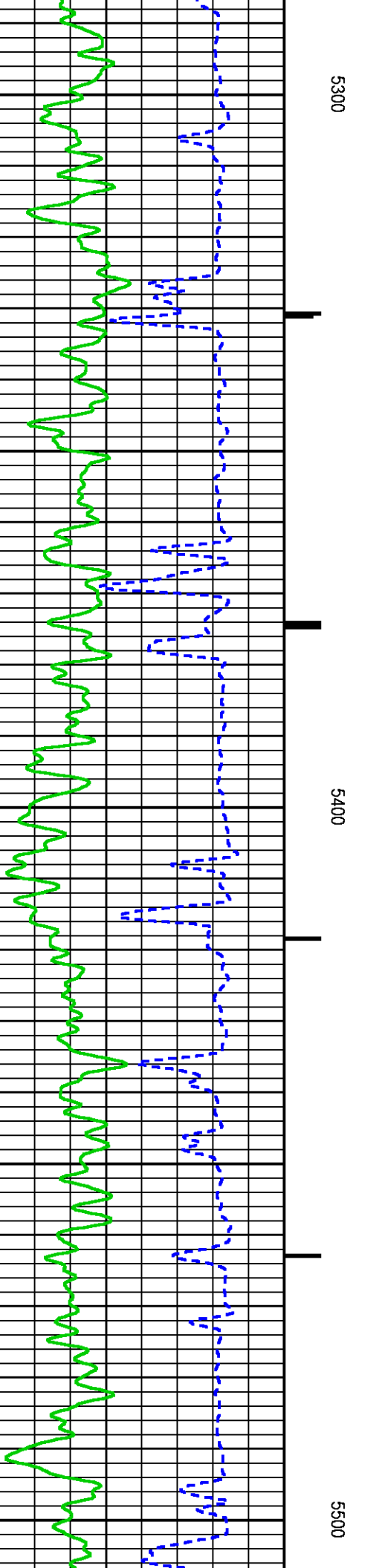
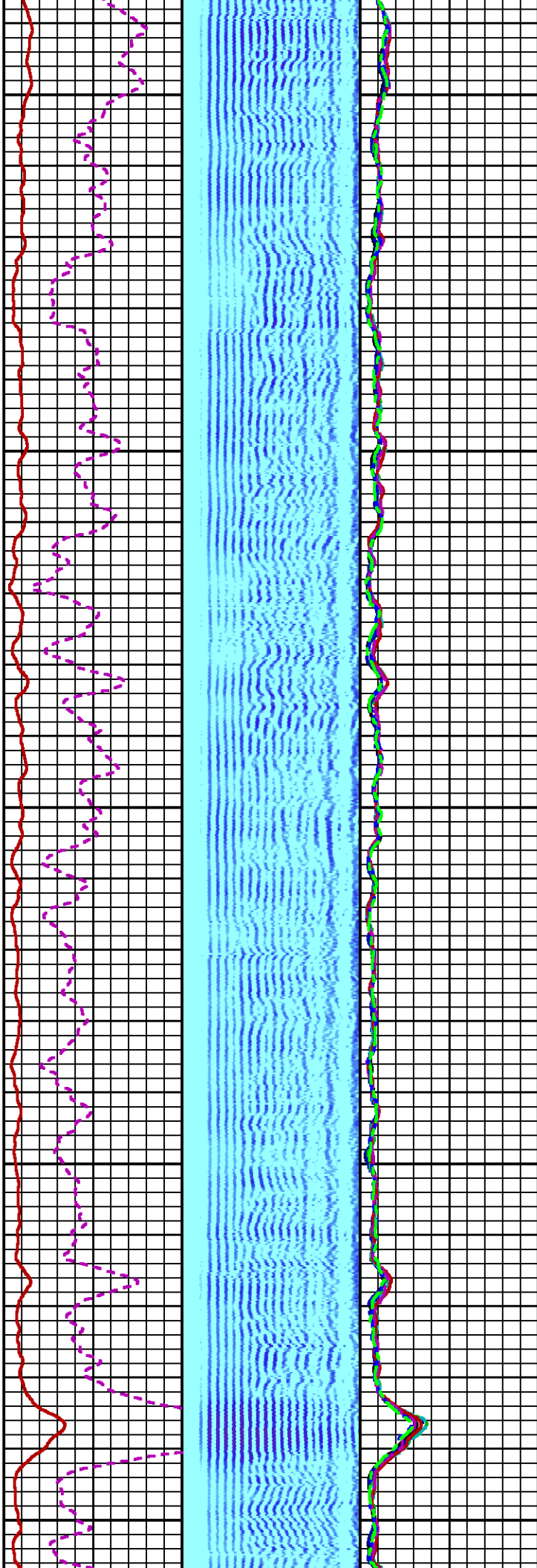
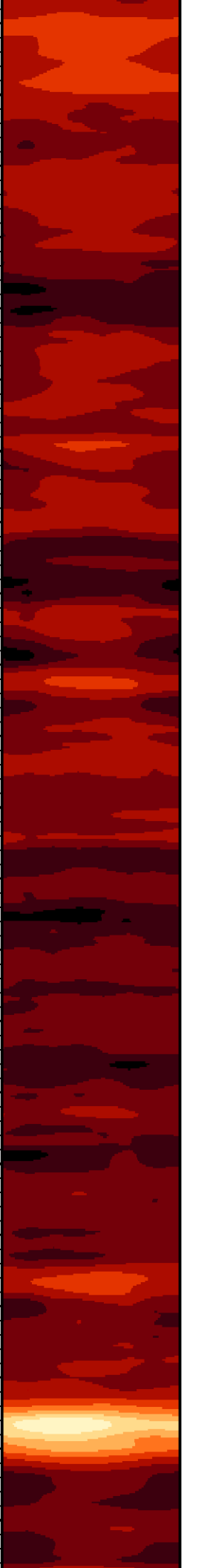


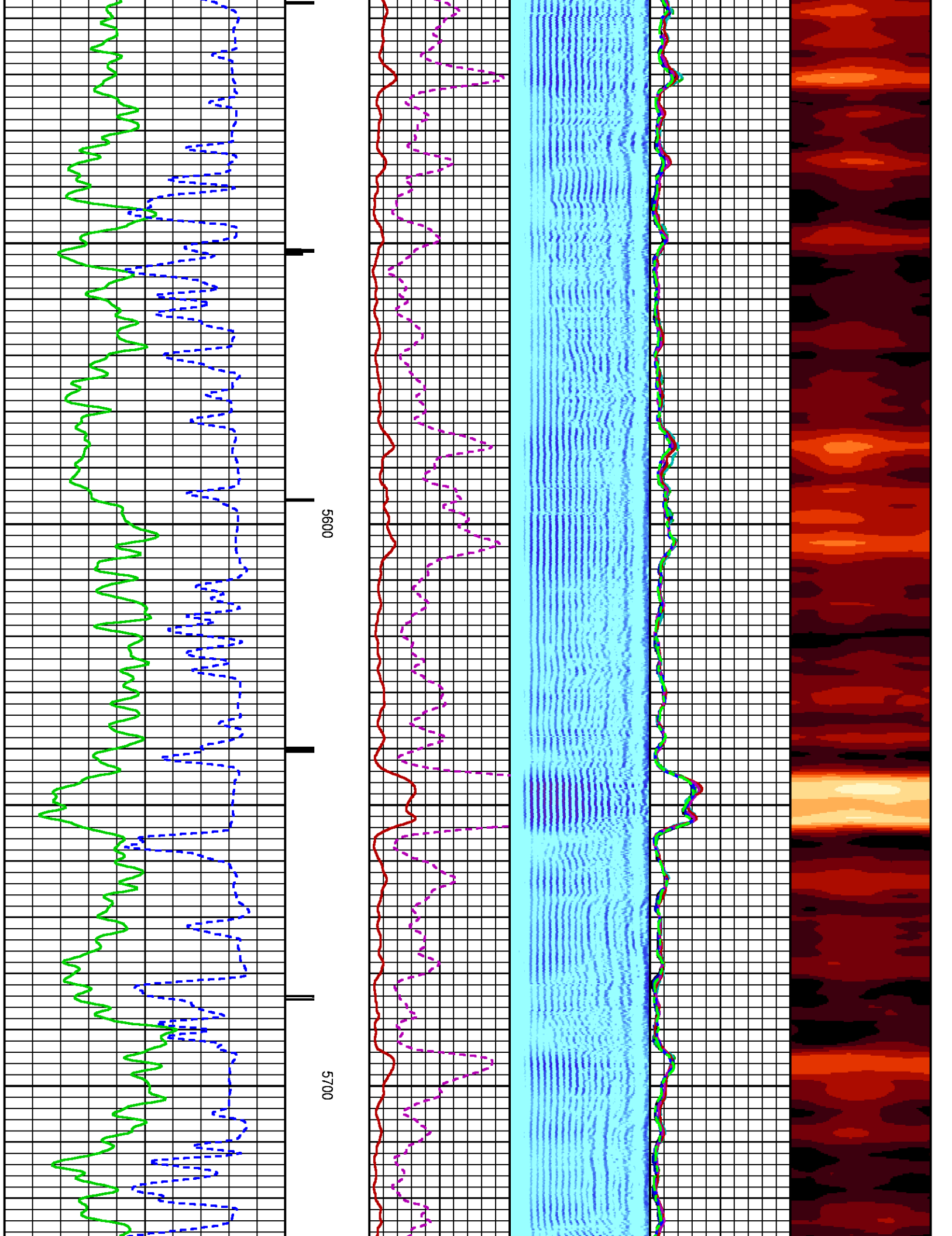


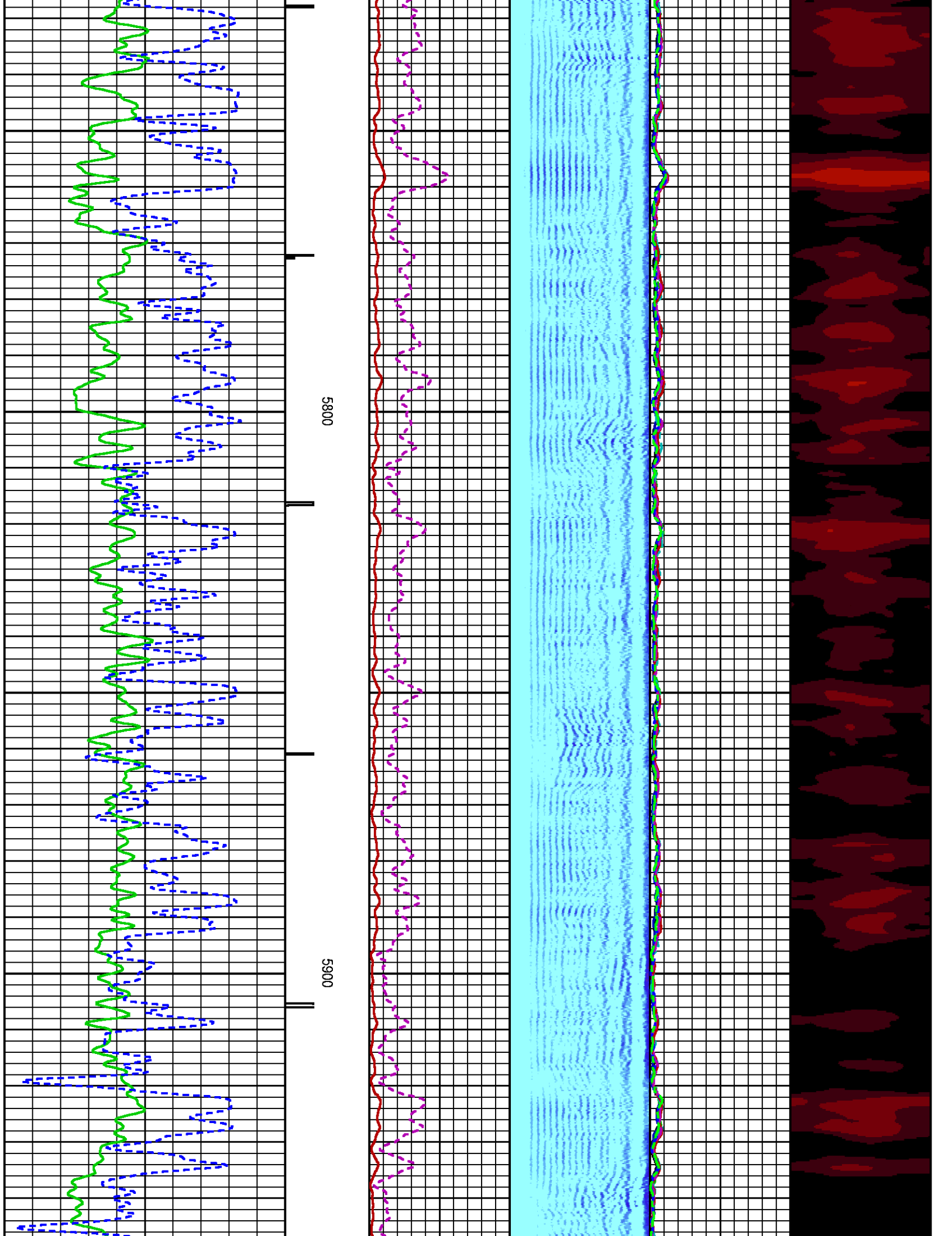


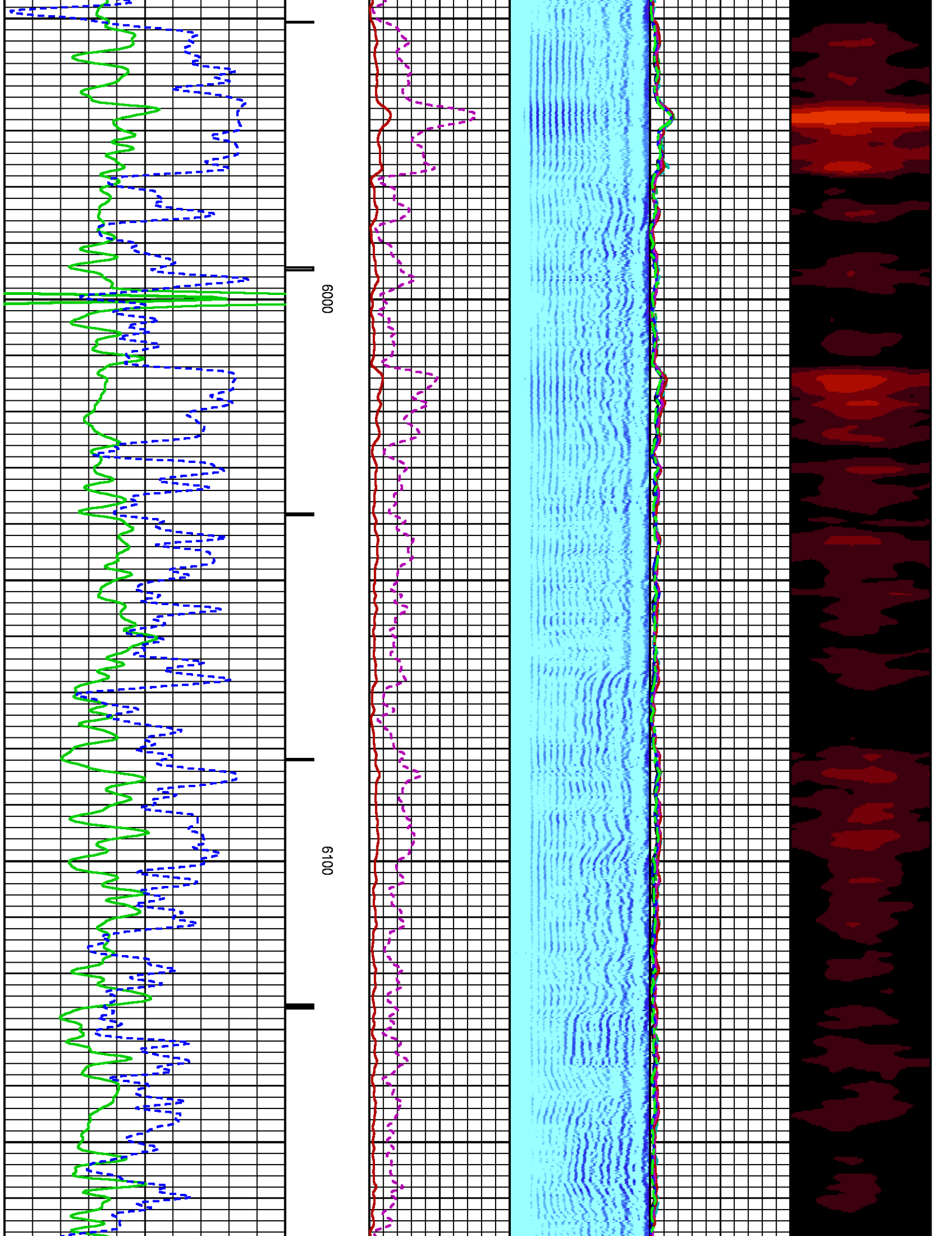


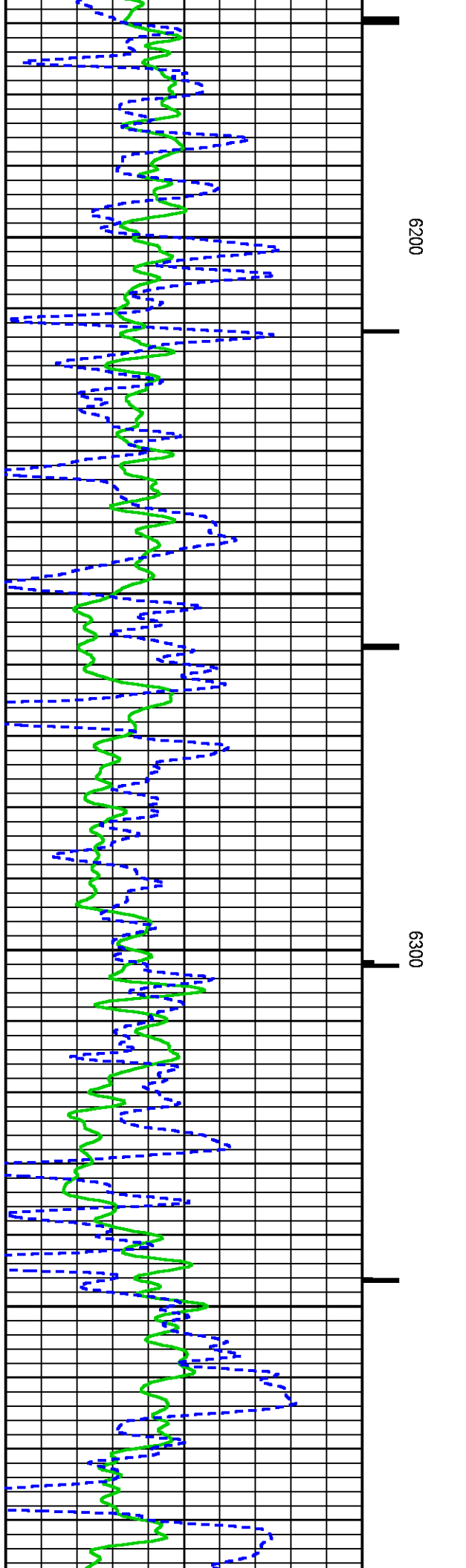
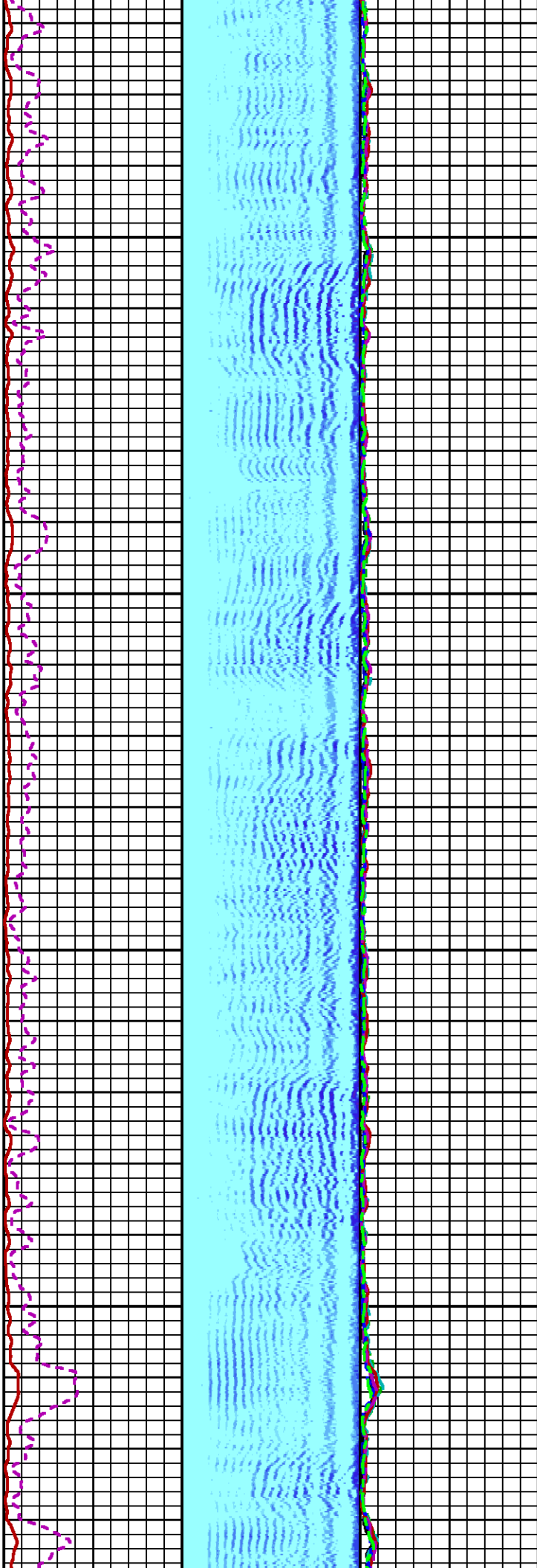
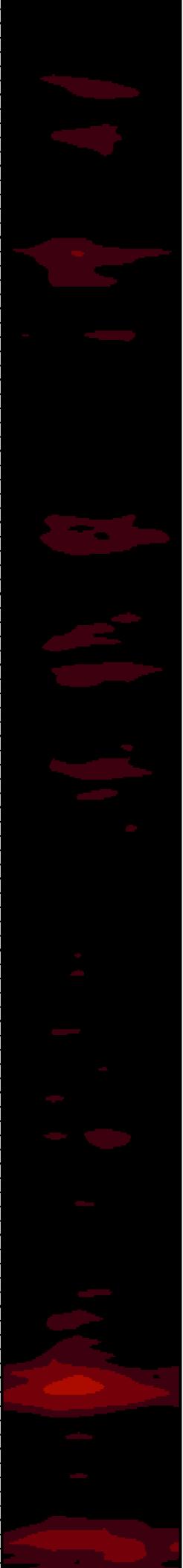


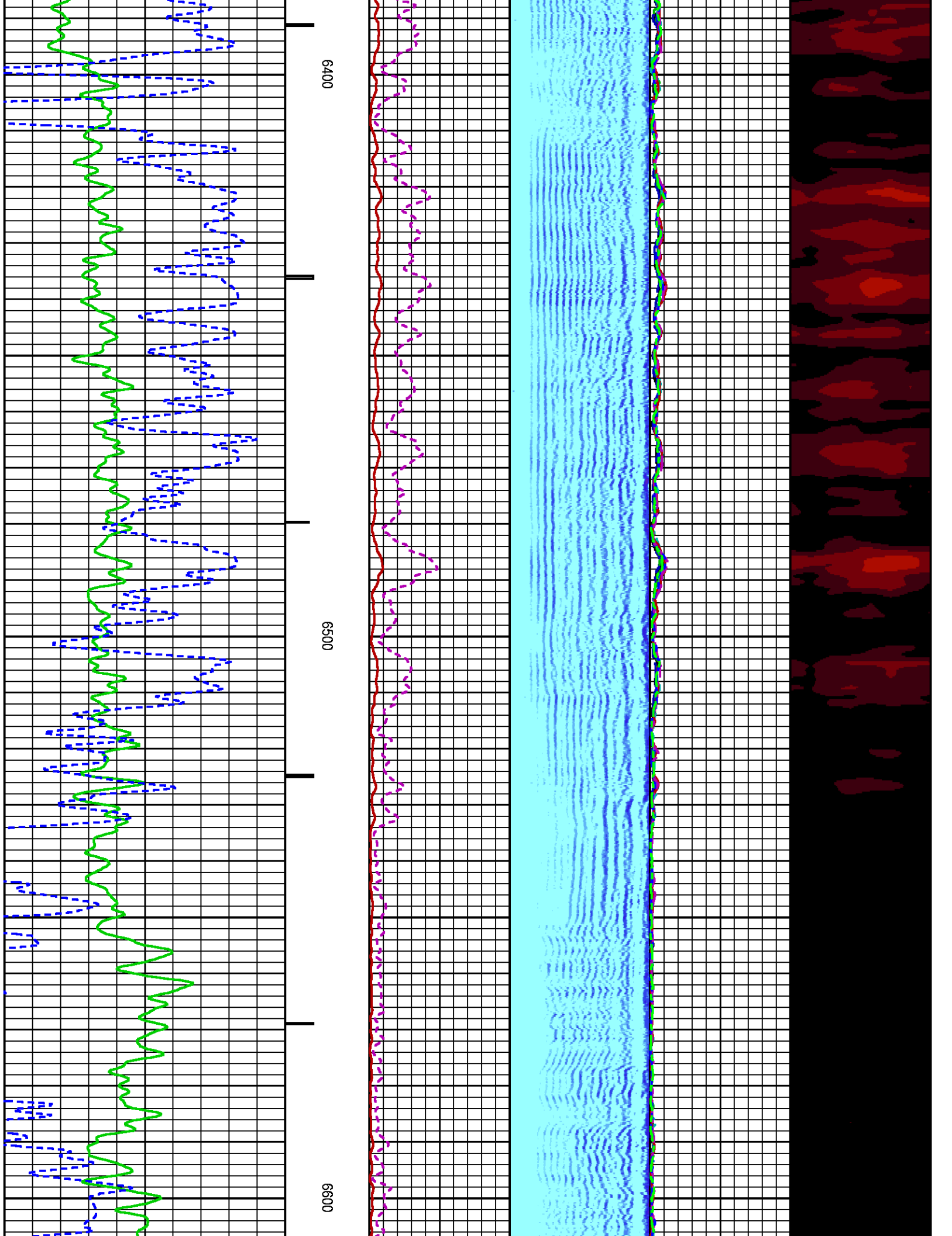


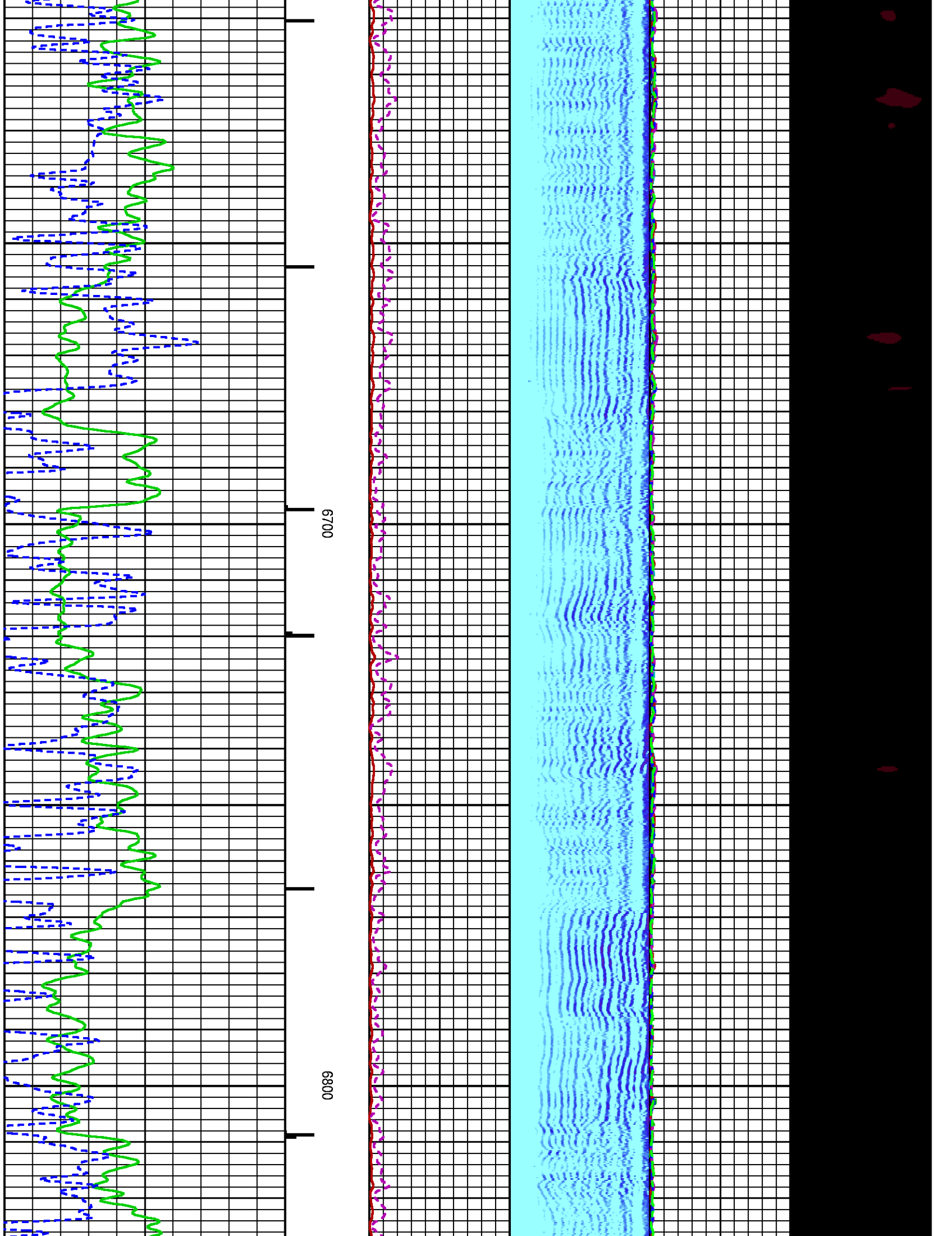


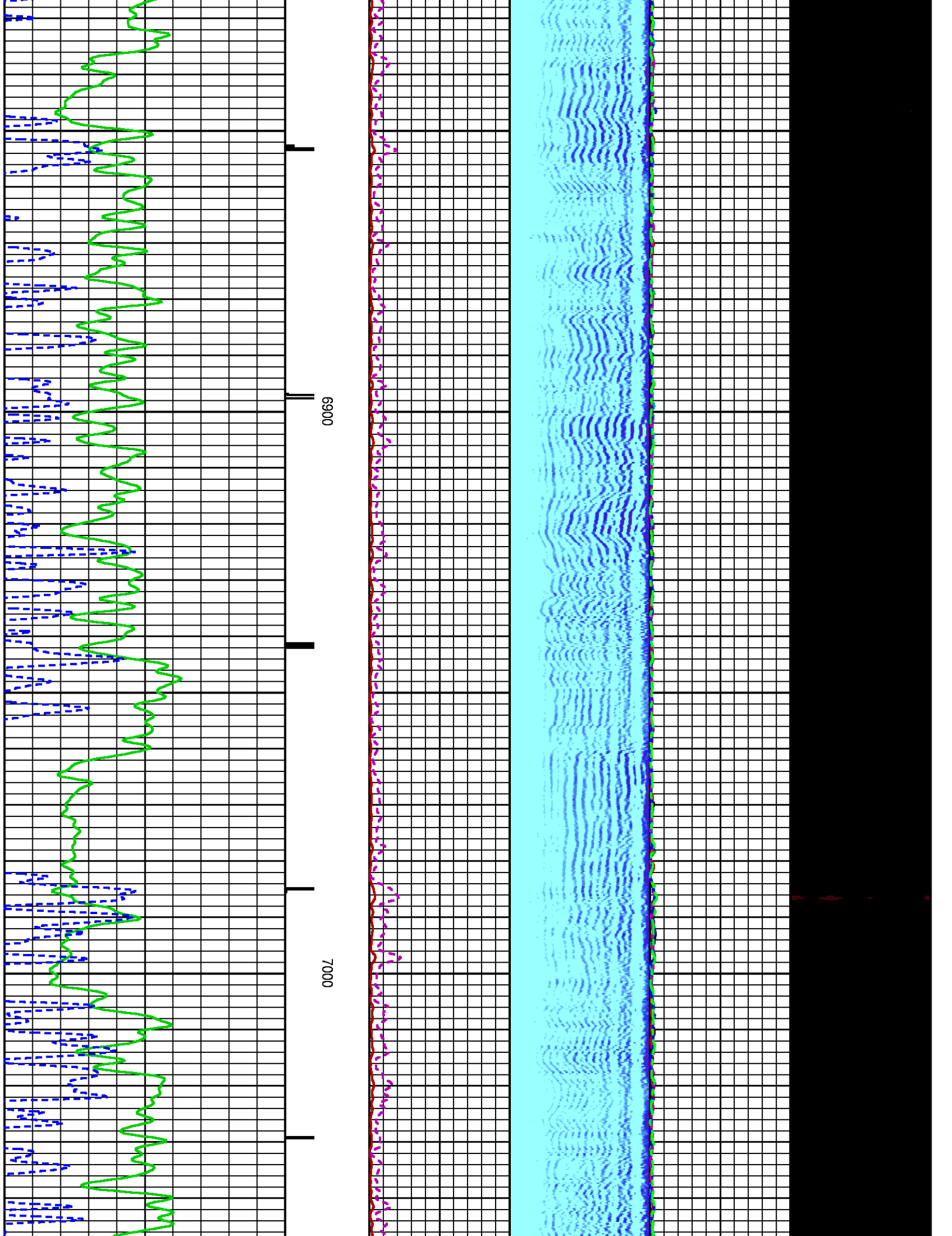


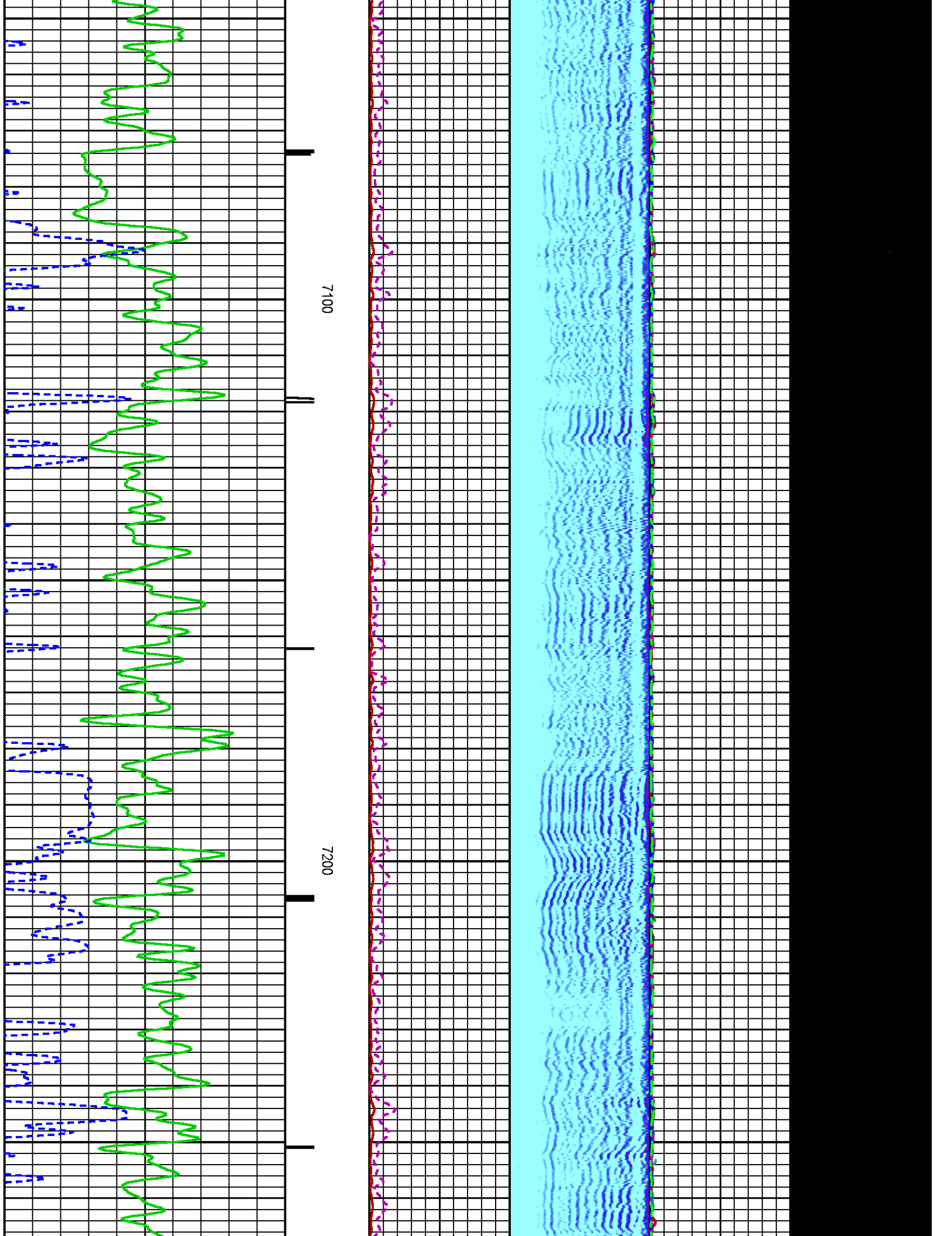


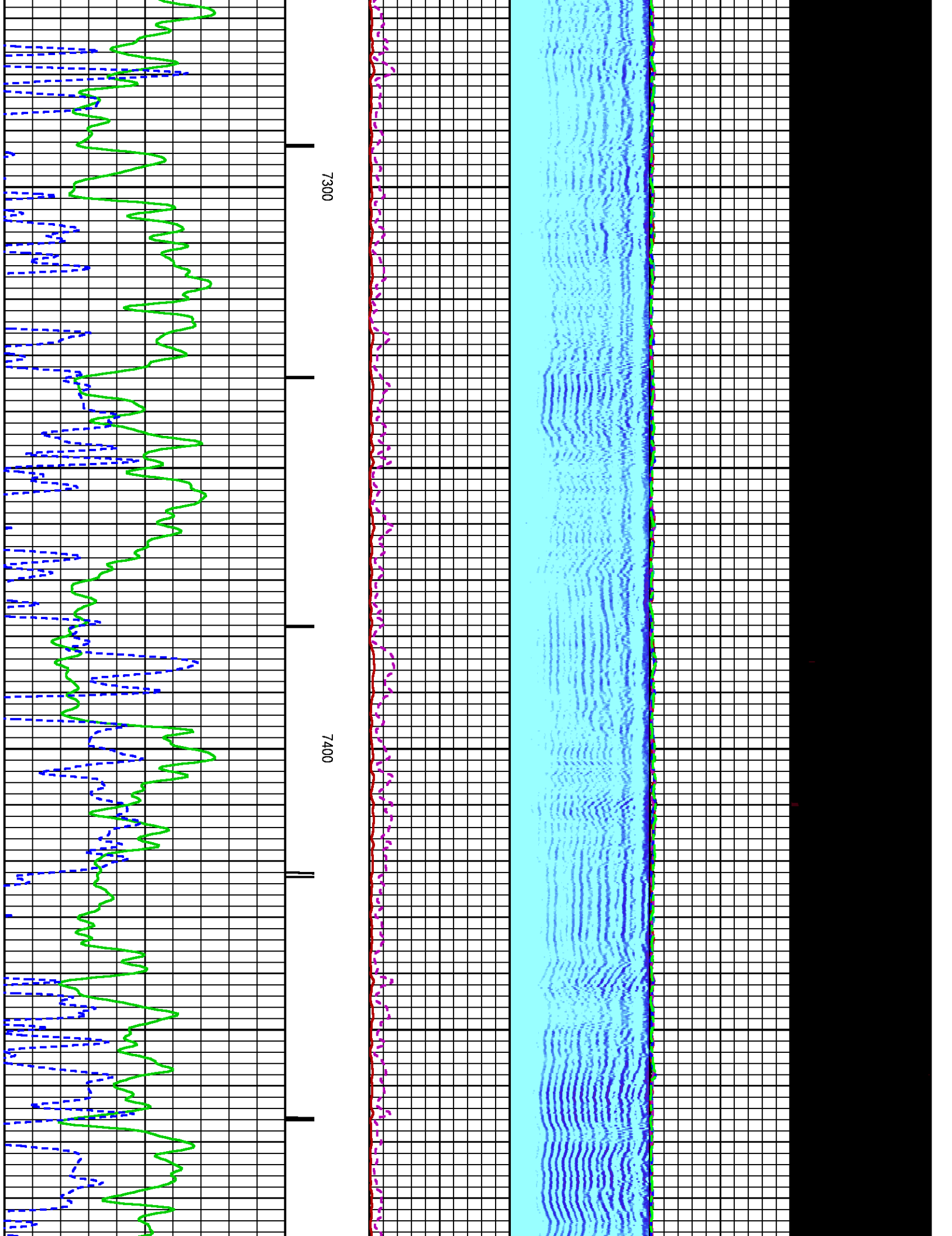


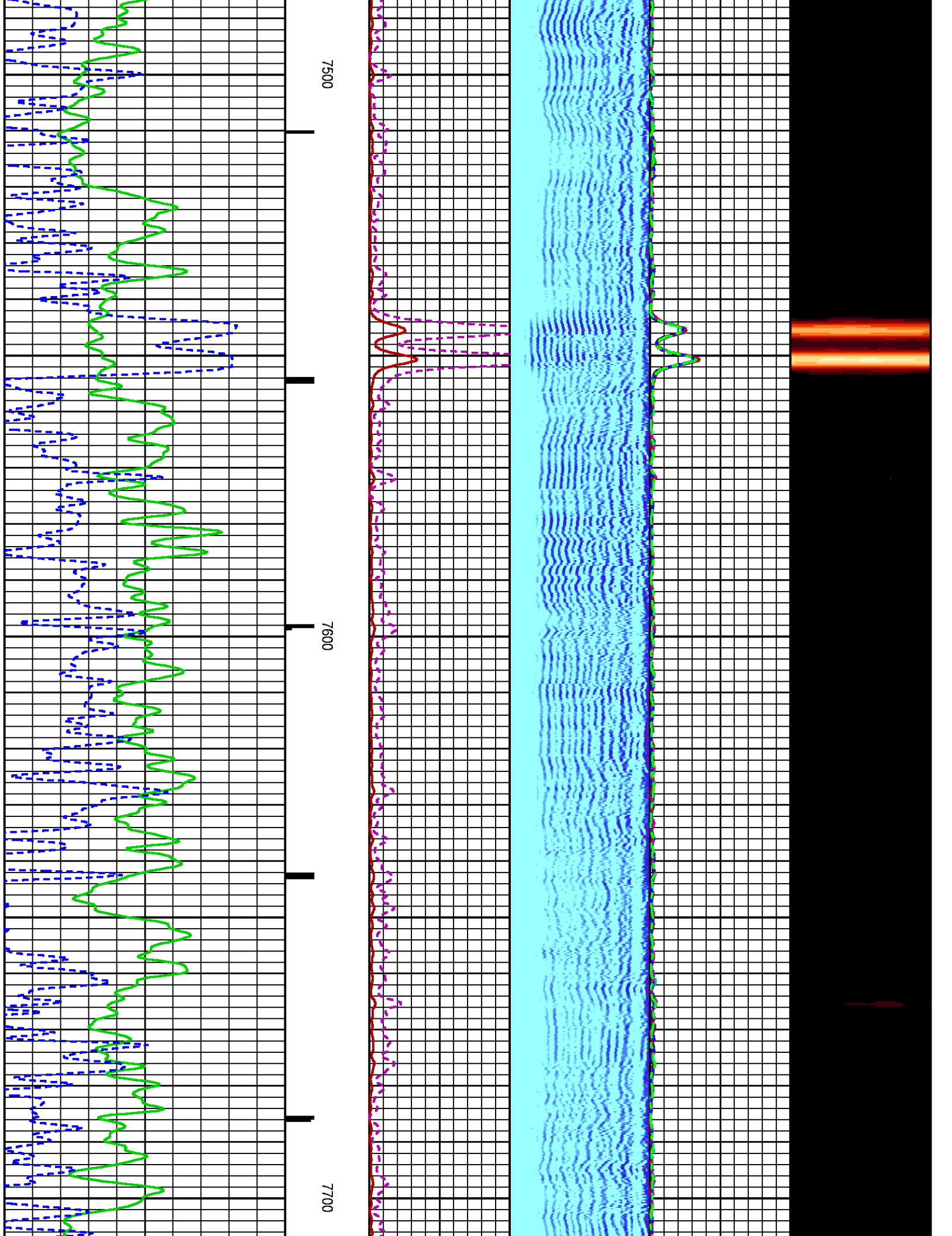


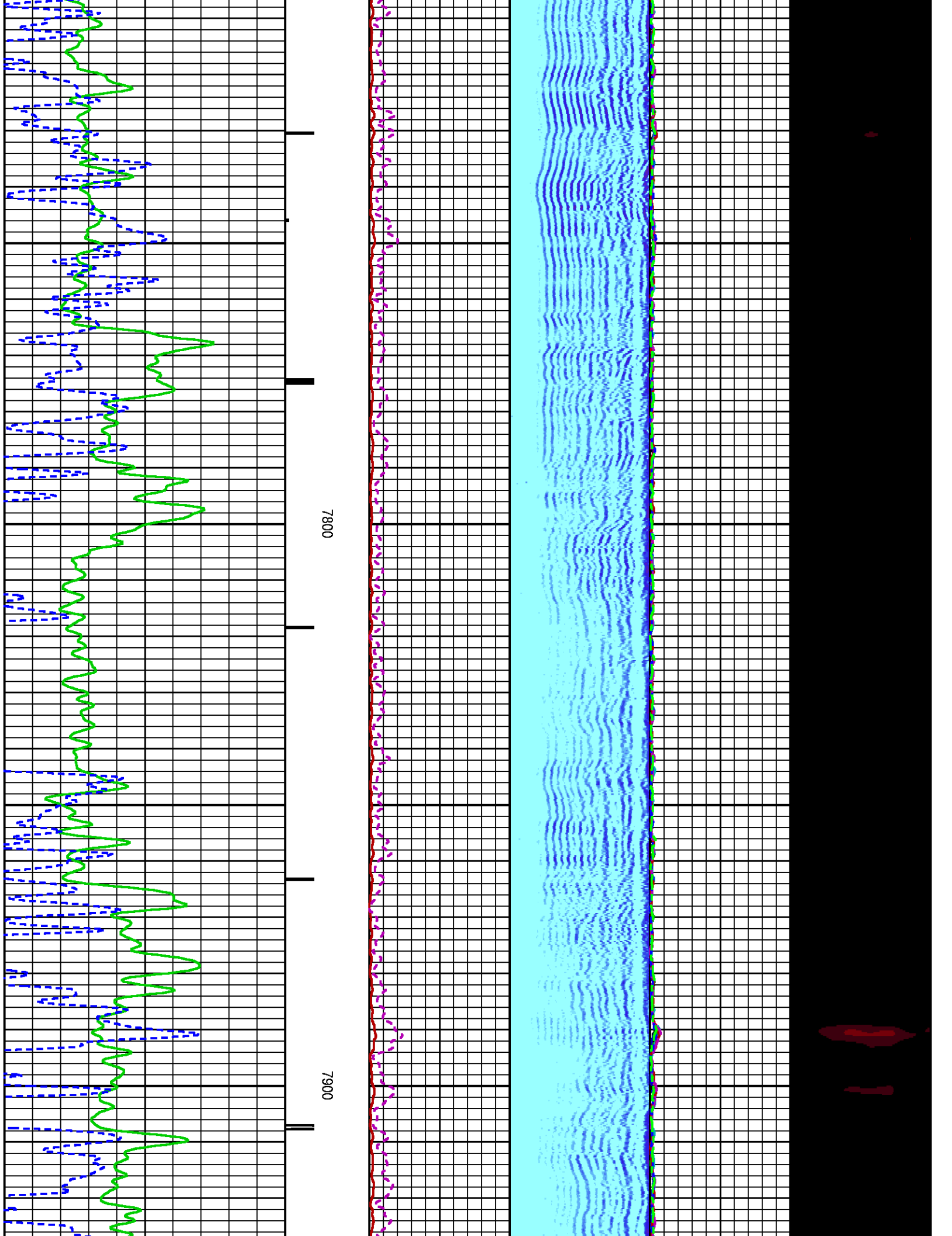


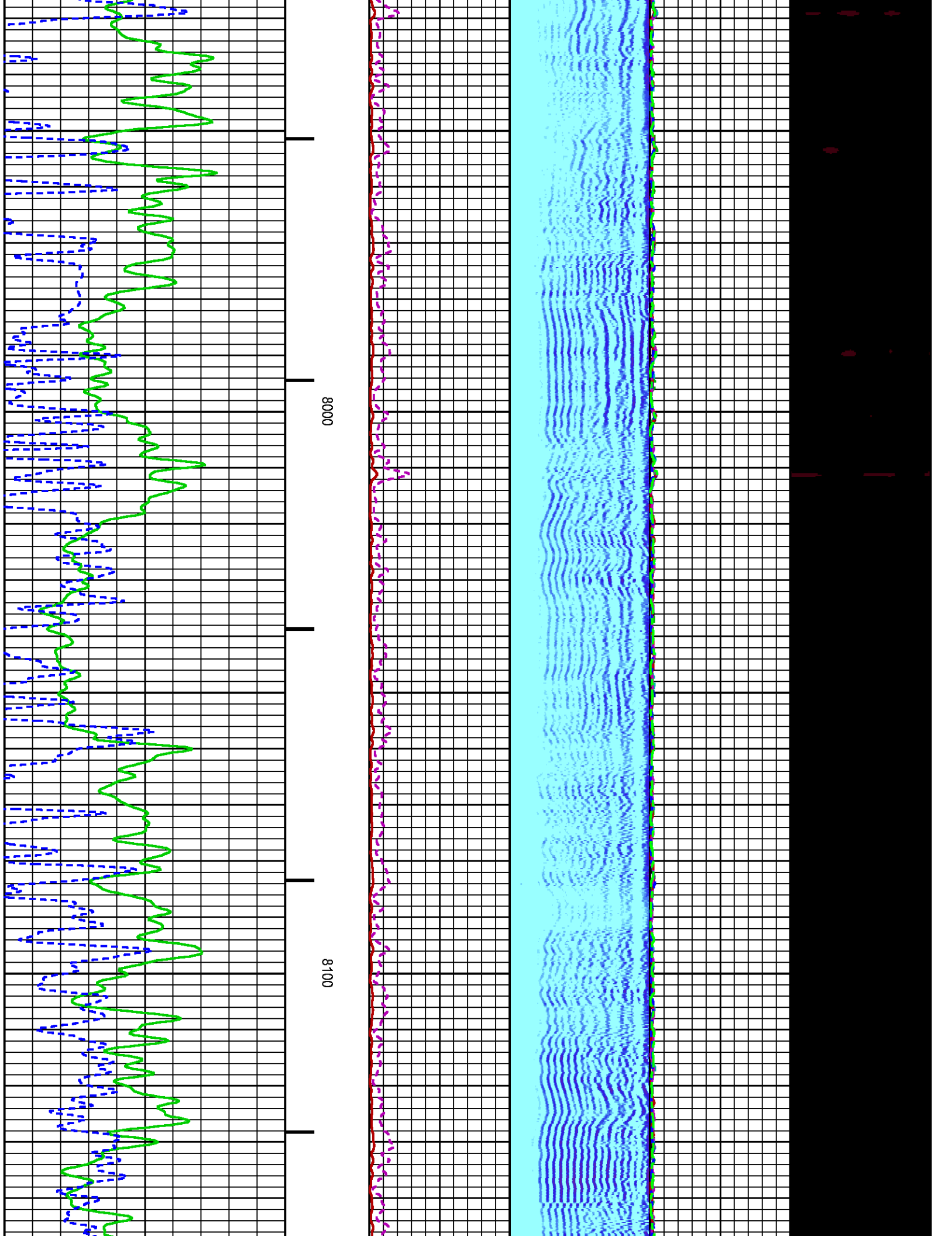


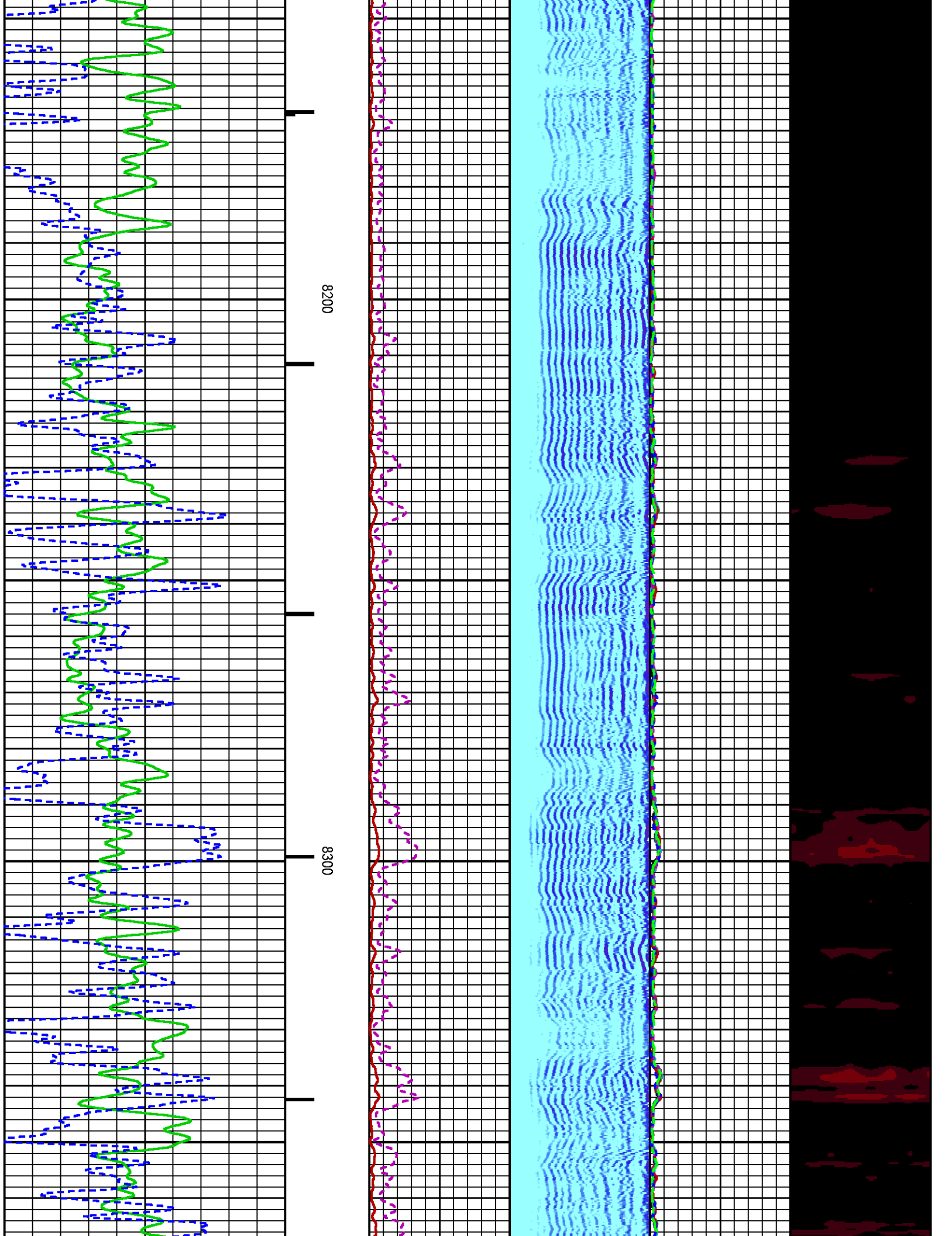


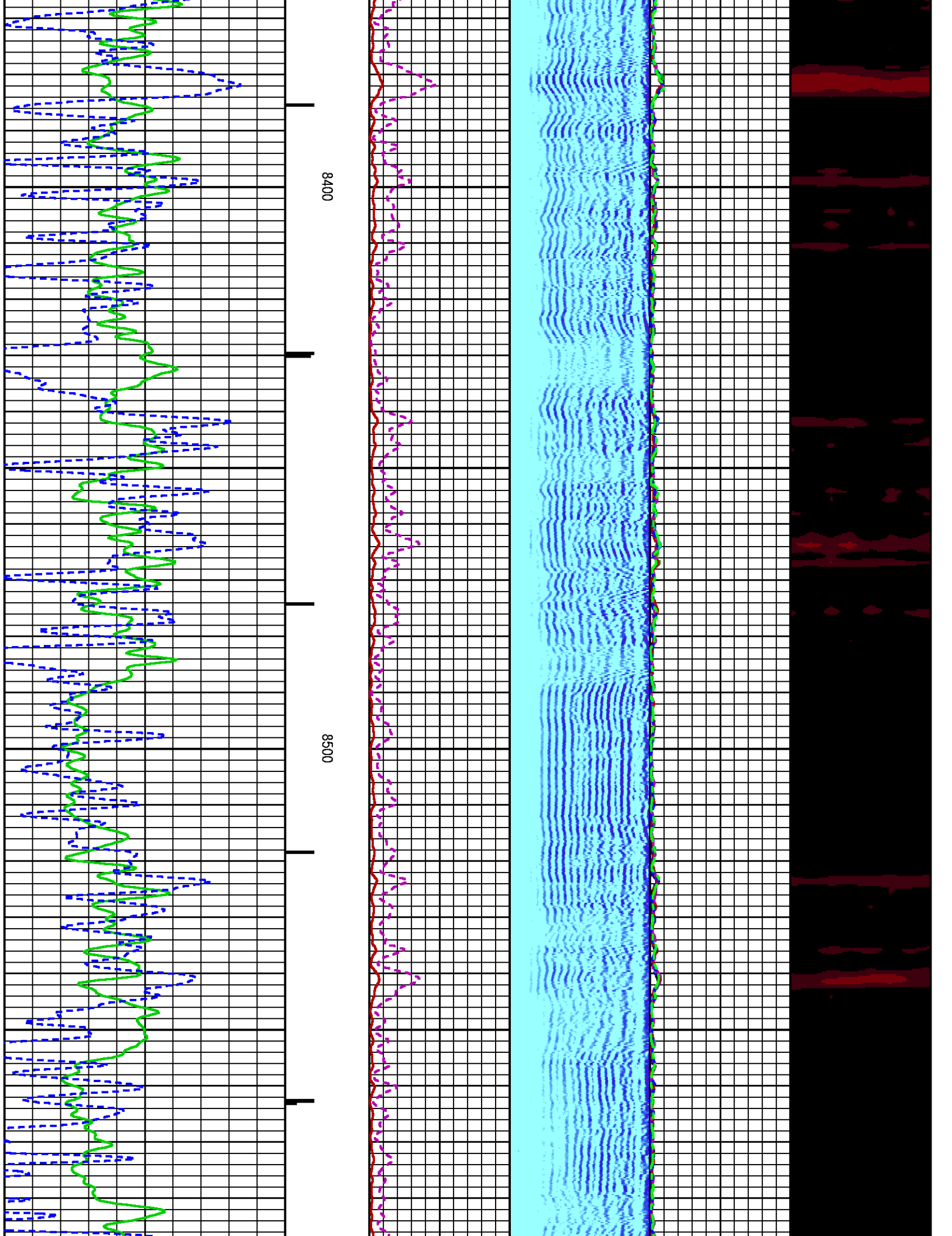


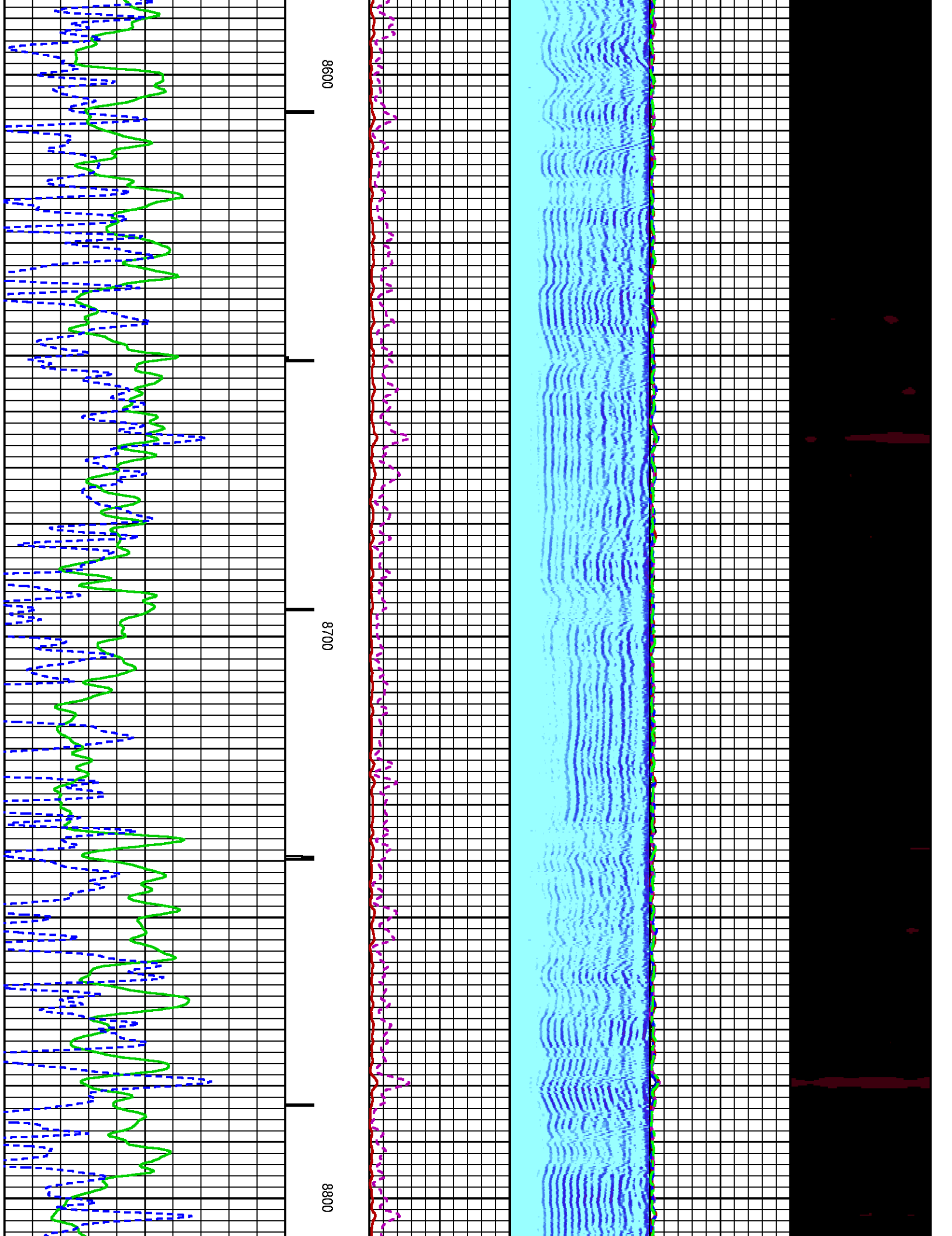


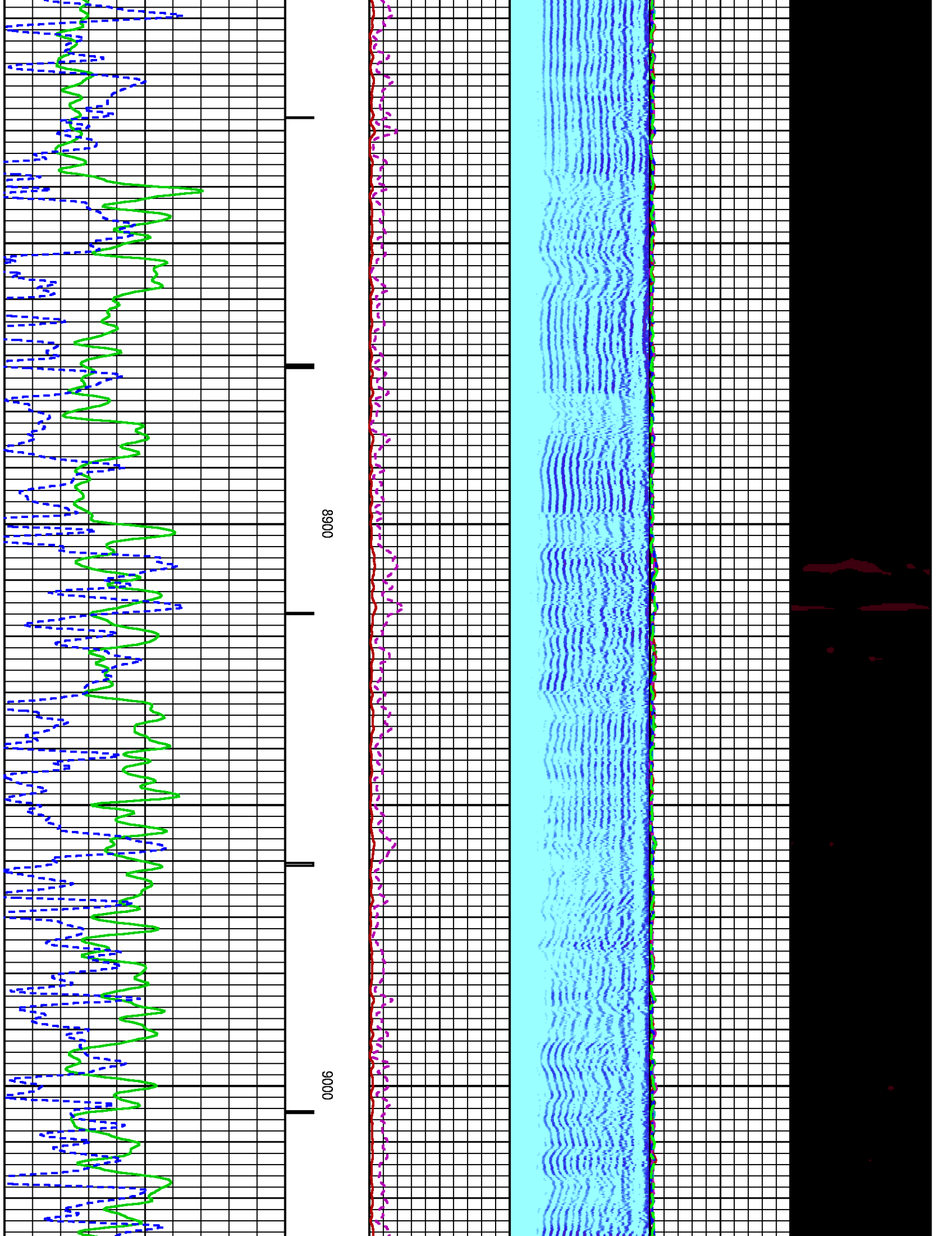


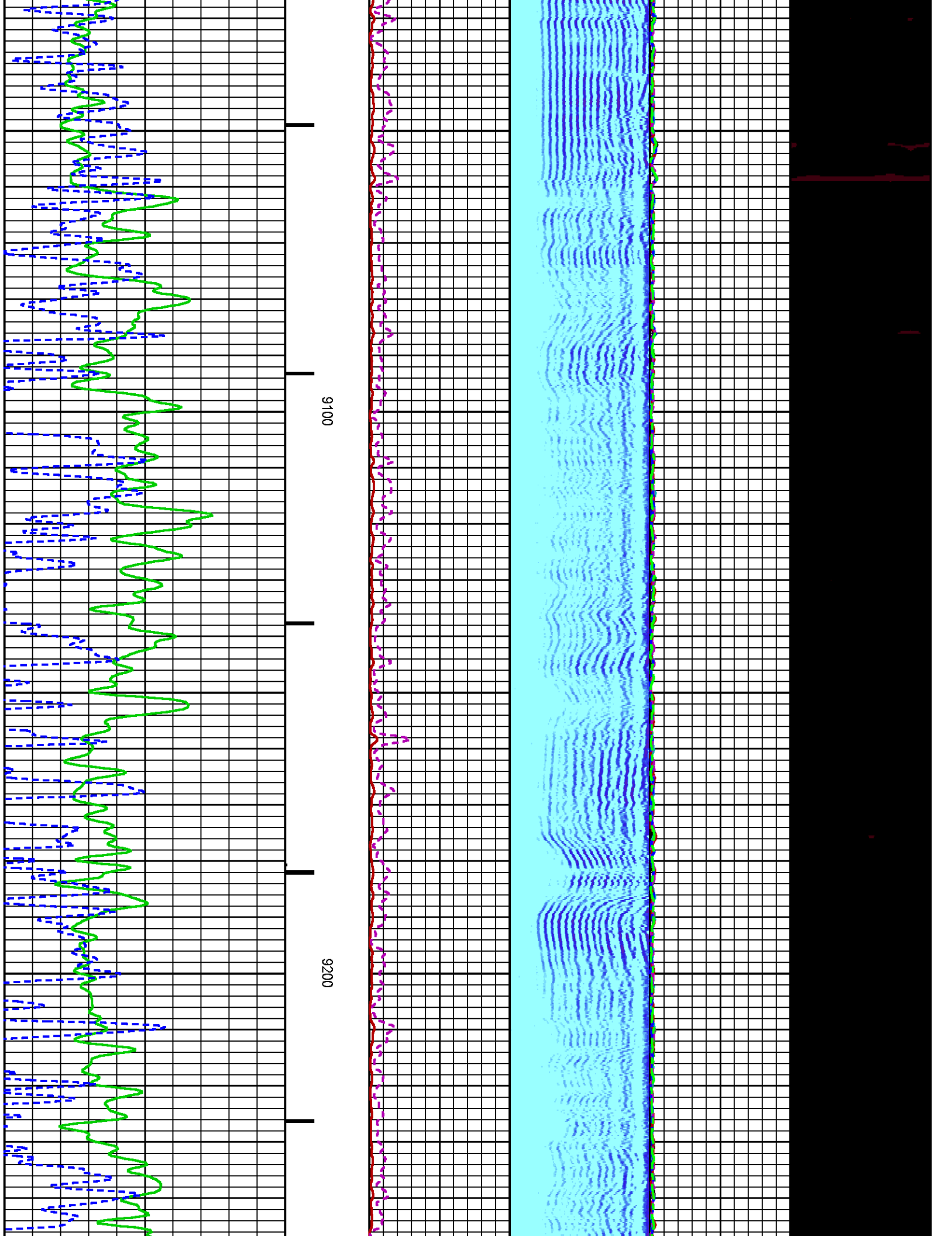


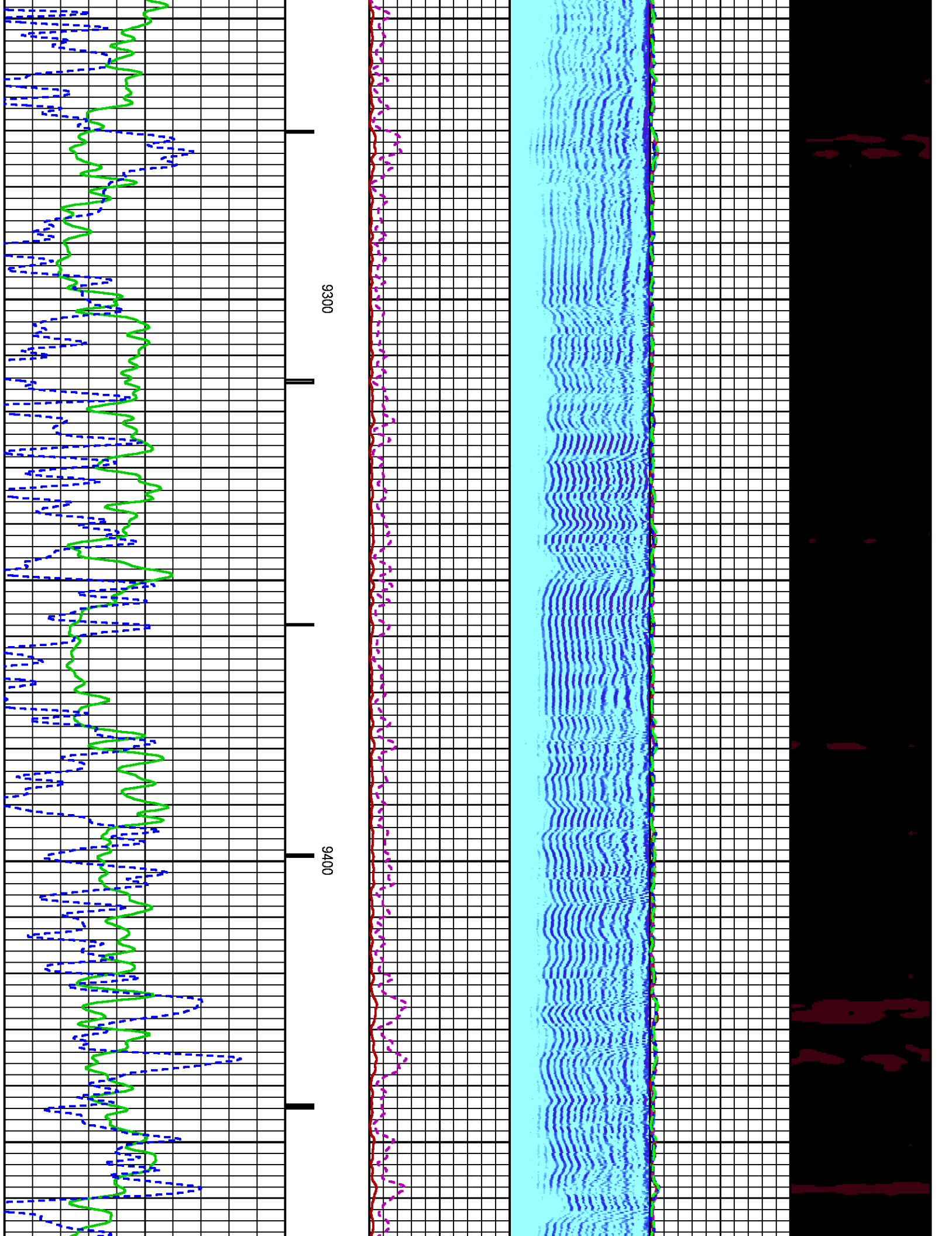


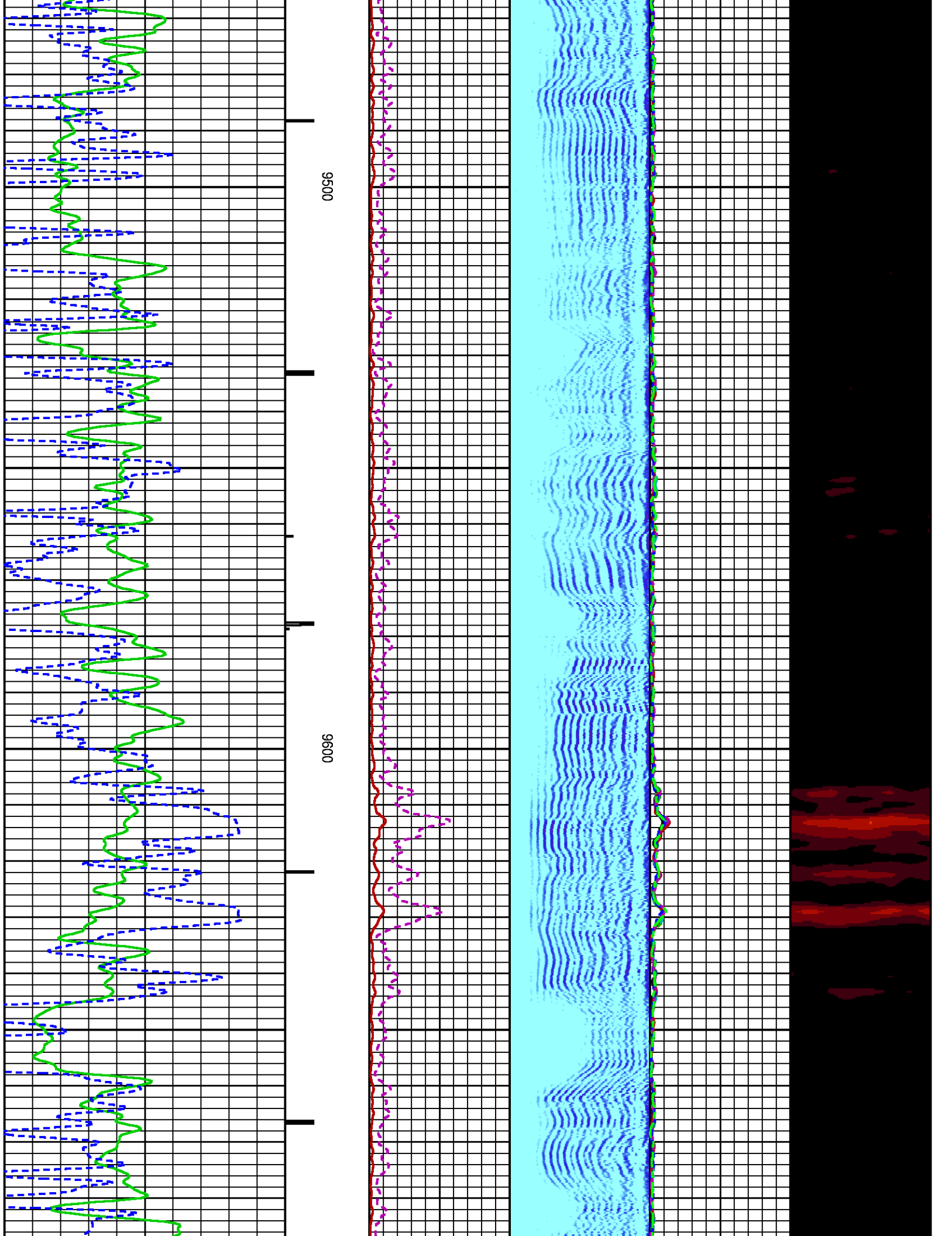


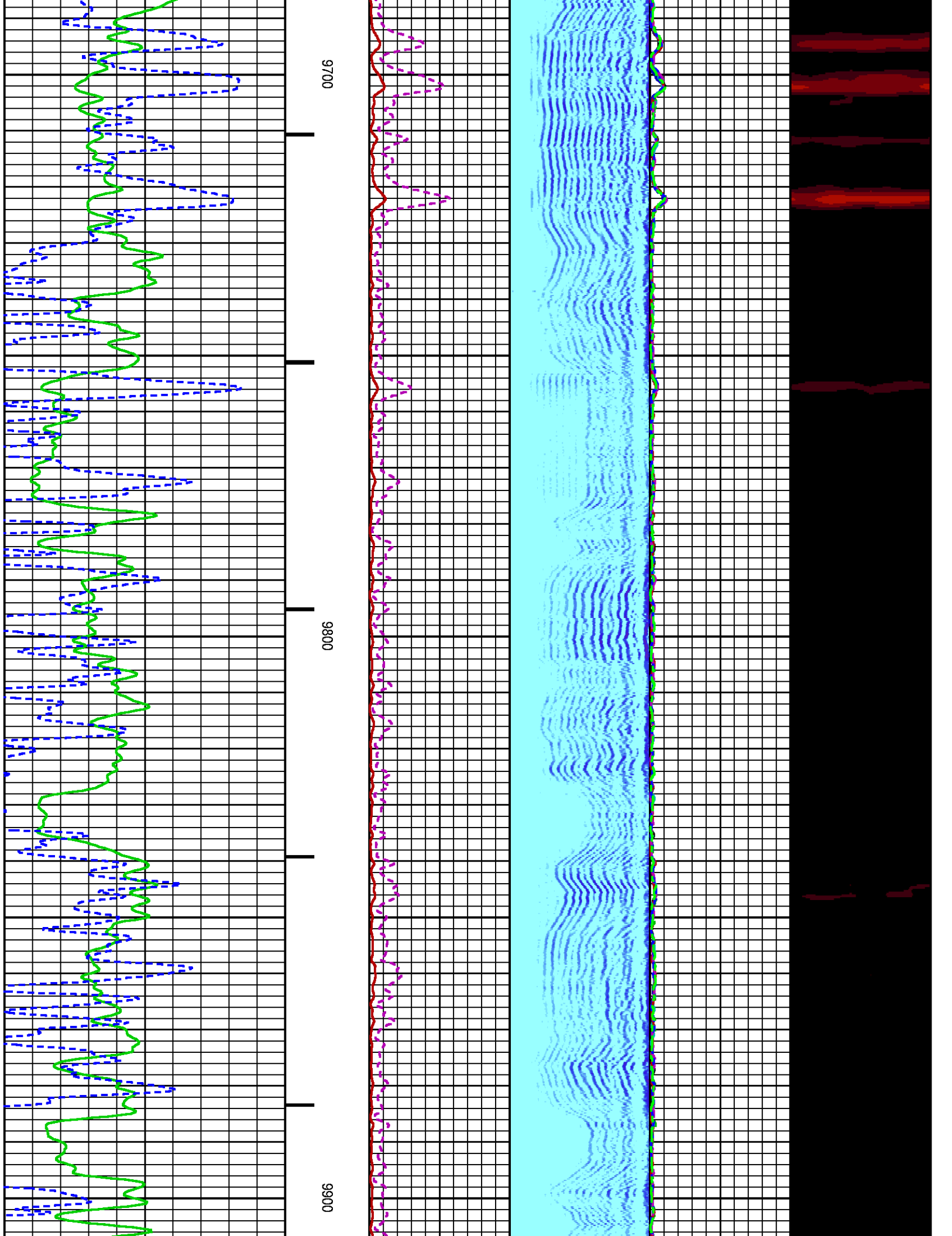


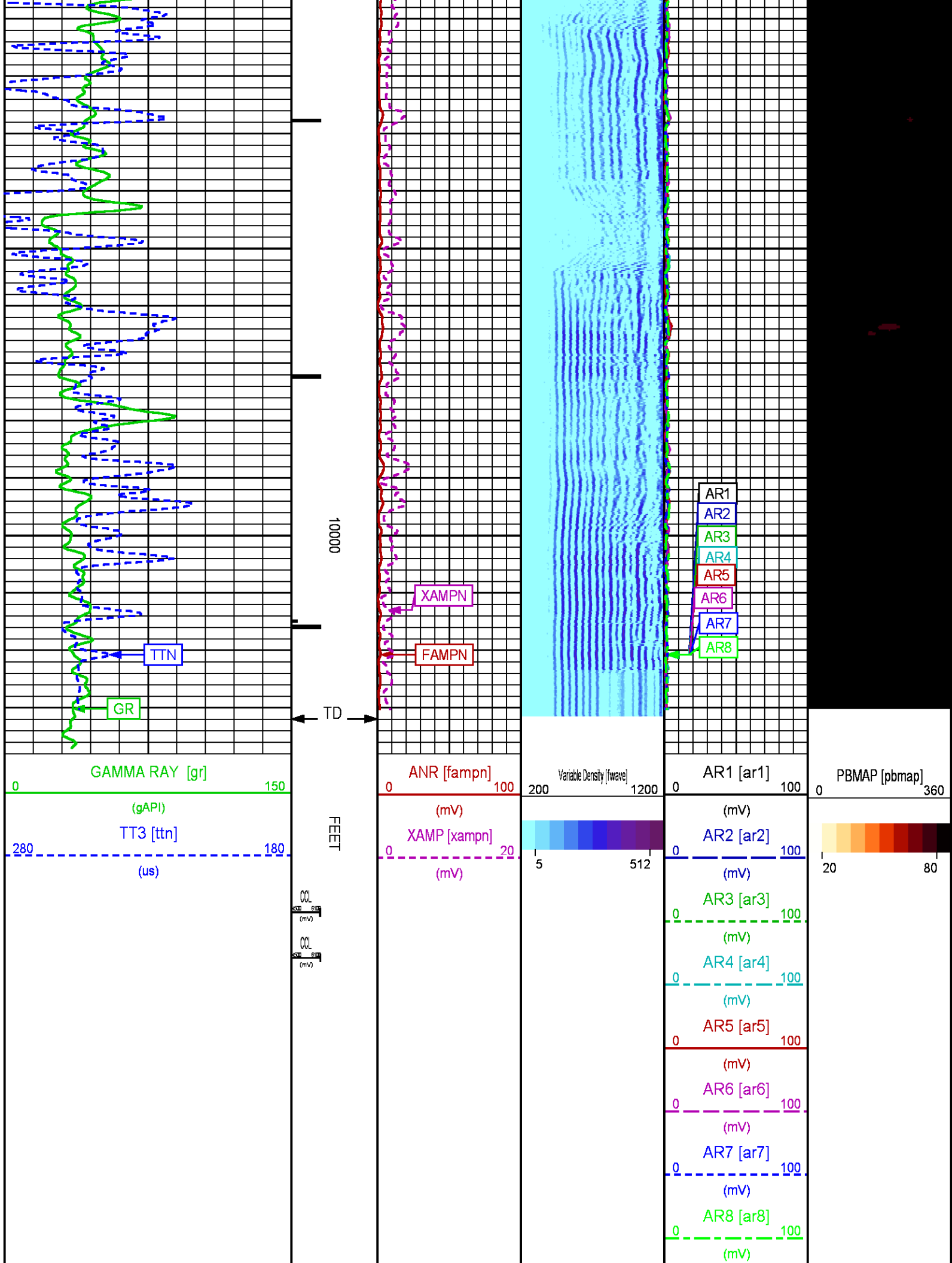












CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH097556/n012g.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10417452

DATE/TIME PERFORMED: Mon Jul 6 08:09:48 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)	0.09	-0.06	0.09	0.01	0.02	0.07	0.02	0.04	-0.00	0.44	-0.07
AMP FLUID (mV)	63	63	63	63	63	62	62	62	63	82	62
TT (us)	218	217	218	218	218	218	217	216	218	326	218
M FACTOR	1.60	1.59	1.60	1.60	1.60	1.61	1.60	1.61	1.59	1.84	1.60

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10417452

DATE/TIME PERFORMED: Tue Jul 7 08:52:08 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	0.05	-0.18	0.15	0.18	-0.07	0.22	-0.05	-0.12	0.10	0.36	-0.08
AMP AIR	0.85	0.51	-0.39	0.53	0.74	0.21	0.97	0.38	0.26	0.37	98.13

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.60	0.00	1.02

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 11871508

DATE/TIME PERFORMED: Wed Jul 1 11:50:07 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	48.36	341.51	293.2	0.631	30.52	215.52	185

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 11871508

DATE/TIME PERFORMED: Wed Jul 1 11:53:52 2015

UNIT #: 3880TA HL6670

VERI JIG #: 4702NK WA-612

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	49.07	327.64	0.631	30.96	206.76	175.80

175.00 195.00

TEMP PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 11871508

DATE/TIME PERFORMED: Fri Jul 3 08:04:33 2015

UNIT #: 3880TA HL6670

	T(0)	T(1)	T(2)	T(3)
Corr Coeff for Temp	0.000000E+00	9.000000E-02	0.000000E+00	0.000000E+00

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH097556/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

20.38'

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>CH097556</u>
	WELL <u>YOUBERG RU 434-7</u>		API NO: <u>05045225170000</u>
	FIELD <u>RULISON</u>		7 7S 93W RU 44-7 PAD NABORS 576
	COUNTY <u>GARFIELD</u>	STATE <u>COLORADO</u>	
LOCATION: SHL: 1105' FSL & 1195' FEL BHL: 691' FSL & 2144' FEL		ELEVATIONS: KB 7943 FT DF GL 7917 FT	
SEC <u>7</u> TWP <u>7S</u> RGE <u>93W</u>		DATE <u>07-Jul-2015</u>	