



FILE NO: CH092546
COMPANY WPX ENERGY
WELL FEDERAL RGU 534-23-198

API NO: 05103121410000
FIELD SULPHUR CREEK
COUNTY RIO BLANCO STATE CO

Version 23 1S 98W
RGU 43-23-198
AZTEC 1000
LOCATION: SHL: 1023 FSL & 651 FEL
BHL: 44' FSL & 1897' FEL
OTHER SERVICES RPM
SEC 23 TWP 1S RGE 98W

PERMANENT DATUM GL ELEVATION 6567 FT
LOG MEASURED FROM KB 25 FT ABOVE P.D.
DRILL. MEAS. FROM KB
ELEVATIONS: KB 6592 FT
DF
GL 6567 FT

DATE	15-Dec-2014
RUN	1
TRIP	1
SERVICE ORDER	US092546
DEPTH DRILLER	12757 FT
DEPTH LOGGER	12711 FT
BOTTOM LOGGED INTERVAL	12701 FT
TOP LOGGED INTERVAL	25 FT
TIME STARTED	10:30
TIME FINISHED	15:00
OPERATOR RIG TIME	4.5 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	83 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	65 FMIN
MAX. RECORDED TEMP.	288 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	4271
LOCATION	GRAND JCT.
RECORDED BY	NEWELL
WITNESSED BY	DUSTIN WELSH

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
30 IN	0 FT	80 FT
13.5 IN	80 FT	3903 FT
8.75 IN	3903 FT	12791 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
18 IN			0 FT	80 FT
9.625 IN			0 FT	3903 FT
4.5 IN	11.6 LB/F	P-110	0 FT	12791 FT

REMARKS

RUN 1 TRIP 1: The wellhead is already installed on this well and is 9' above ground level elevation.

All data on this log is shifted using the CCL curve to put the wellhead (top CCL mark) 9' above ground level elevation.

The amount of linear shift is 5 feet.

Logged with zero PSI at wellhead.

BHT = 288 degF
SJ = 7325' - 7347'

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10218495	CENTRALIZED
1	1	GR/CCL	1355XA	10580209	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: 46 Patches: 5

Plotted: Mon Dec 15 17:40:06 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\092546\012g02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 25.250 ft BOTTOM DEPTH: 12724.000 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*)	183	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	175	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*)	-70	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	Dec 15 11:49:45 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 15 17:26:00 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 15 11:49:45 2014	FAR WAVE FORM
F1:GR	Dec 15 11:49:45 2014	GAMMA RAY
F1:TTN	Dec 15 11:49:45 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	0.00	TTN	11.25				

Presentation

Plot Interval

: BHUGHES-06627:C:\dat1a\092546\534CBL_PRIMARY.fvpdf [5"/100' Scale]

: 0 - 12716 Feet

Data File 1

Created On

Company

Well

Field

File Interval

OCT

: F1 : BHUGHES-06627:C:\dat1a\092546\534CBL_MAIN.xtf

: Dec 15 11:49:45 2014

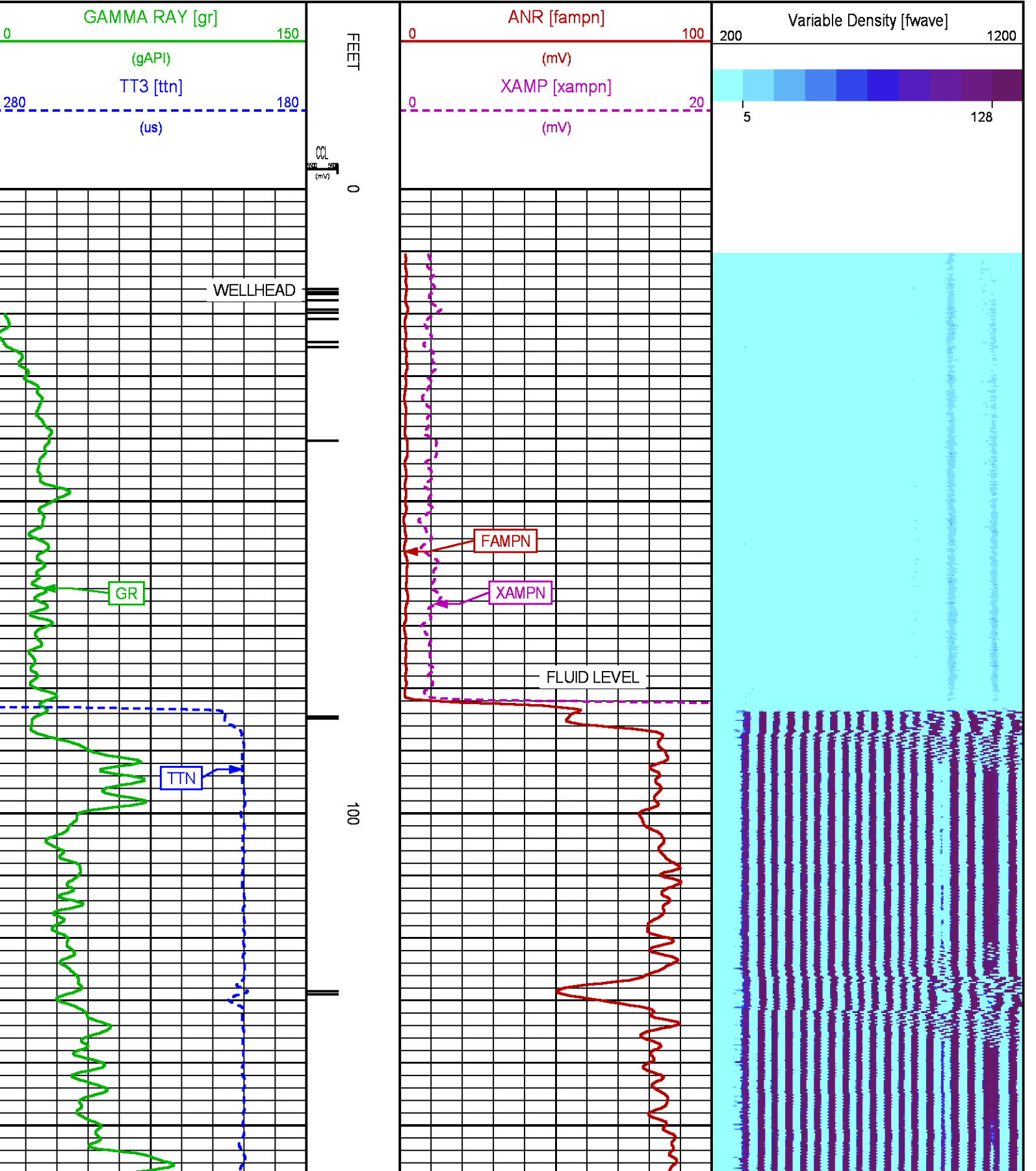
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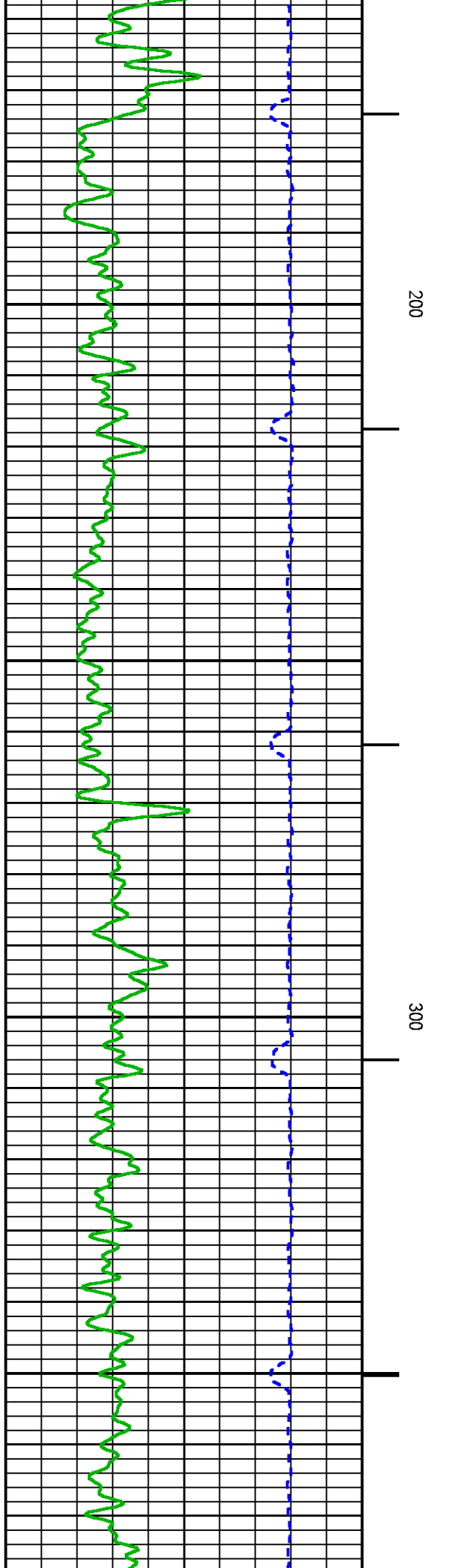
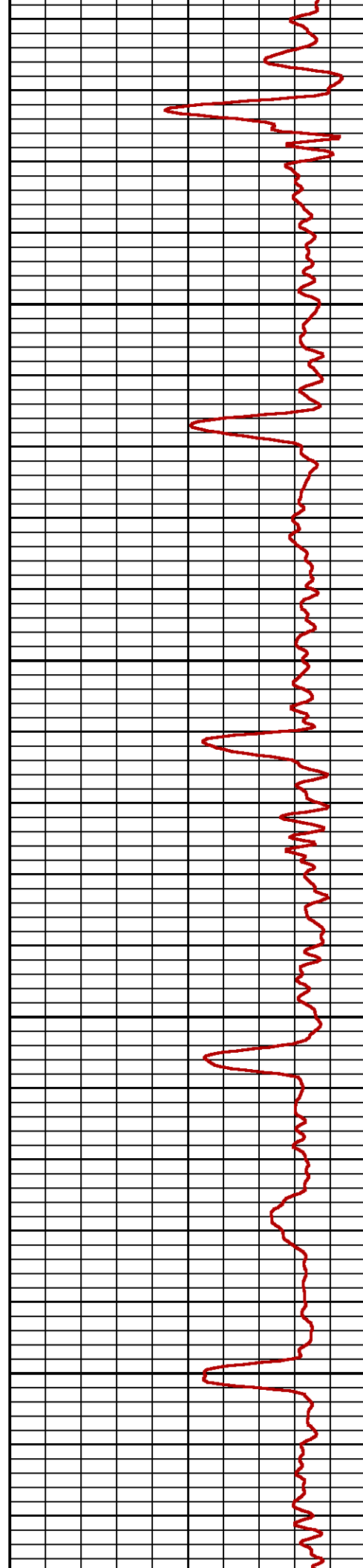
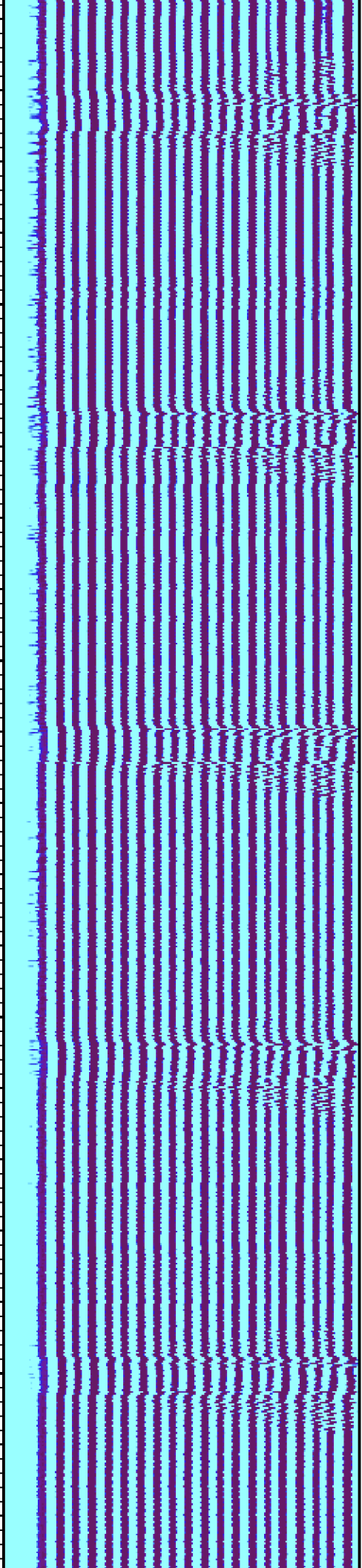
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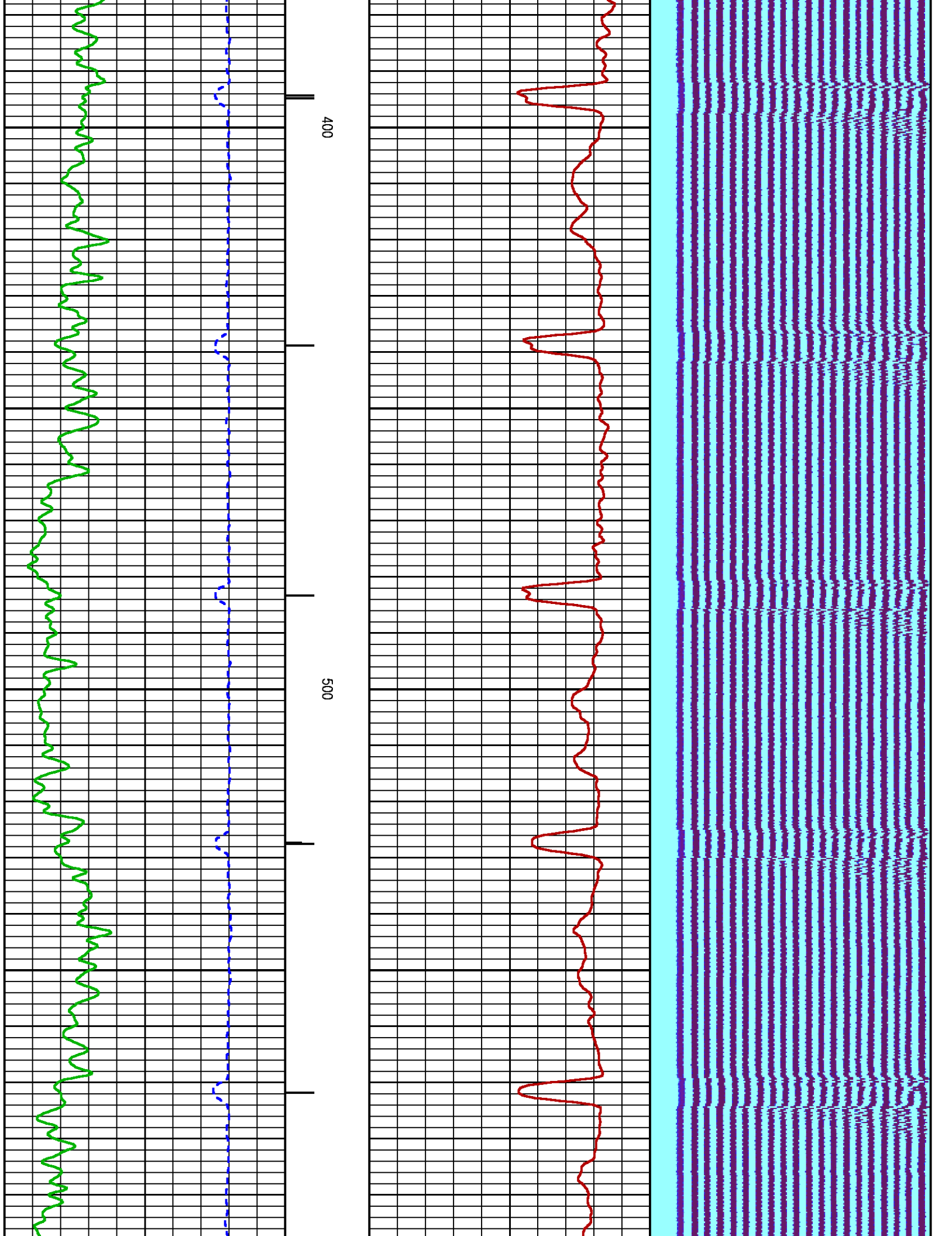
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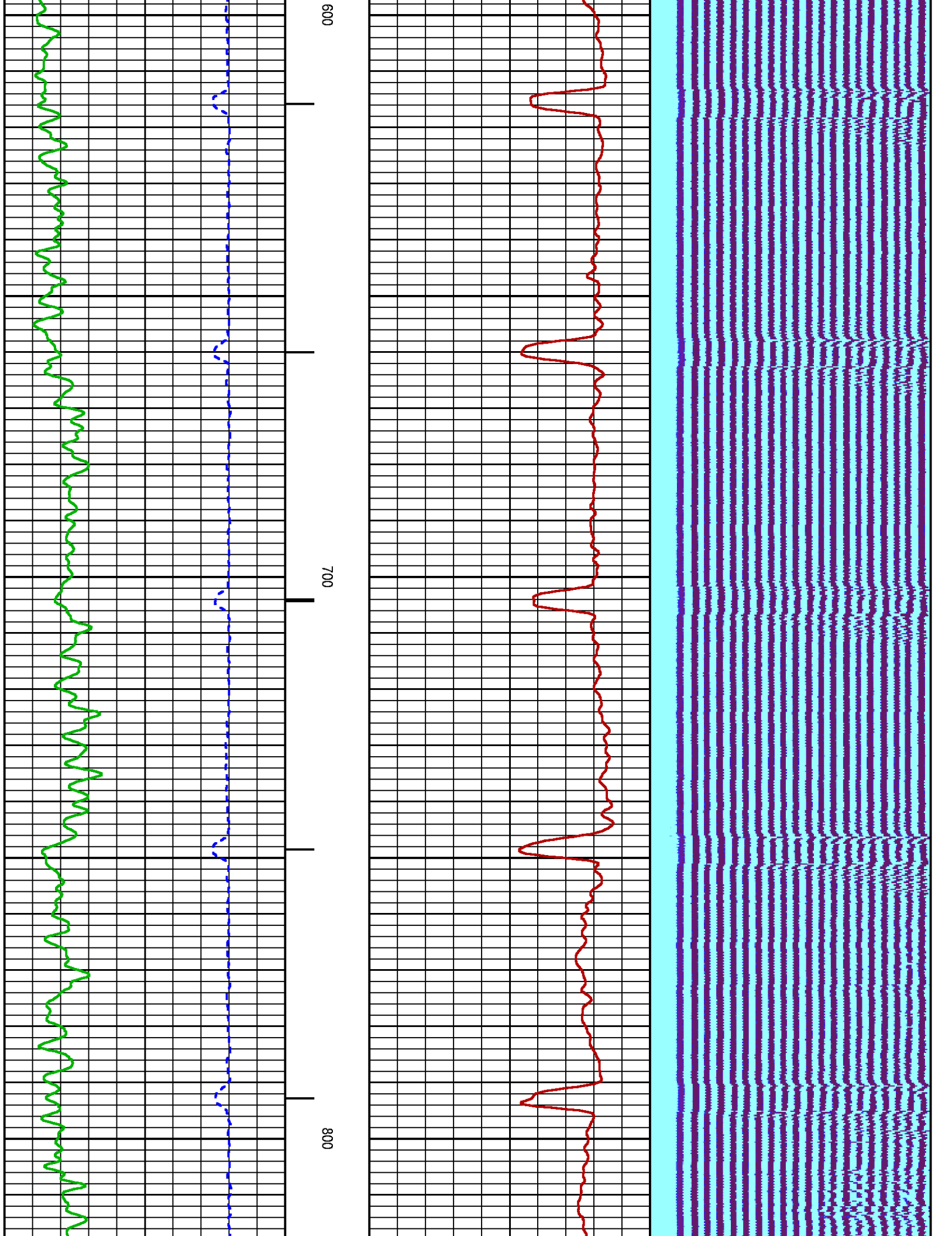
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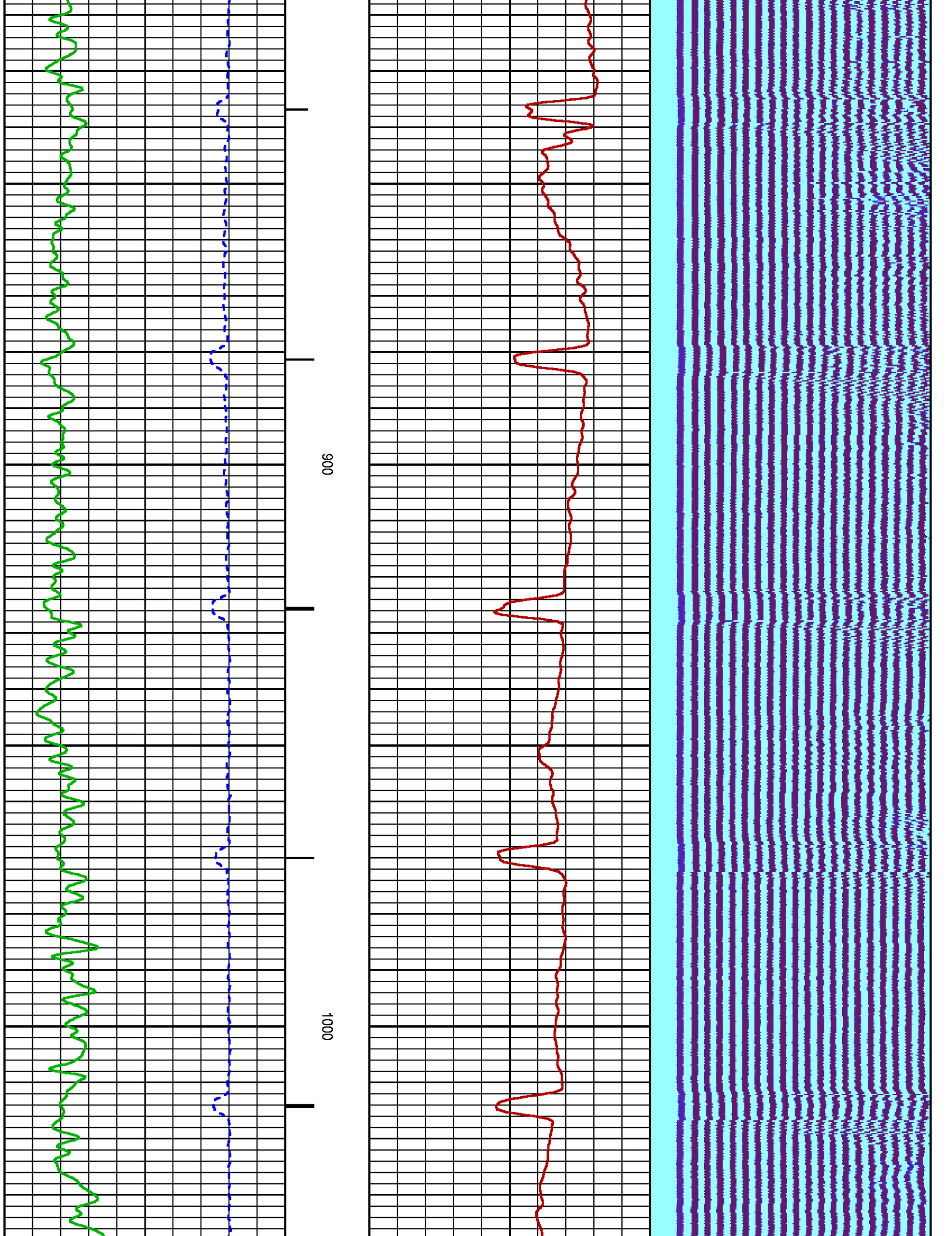
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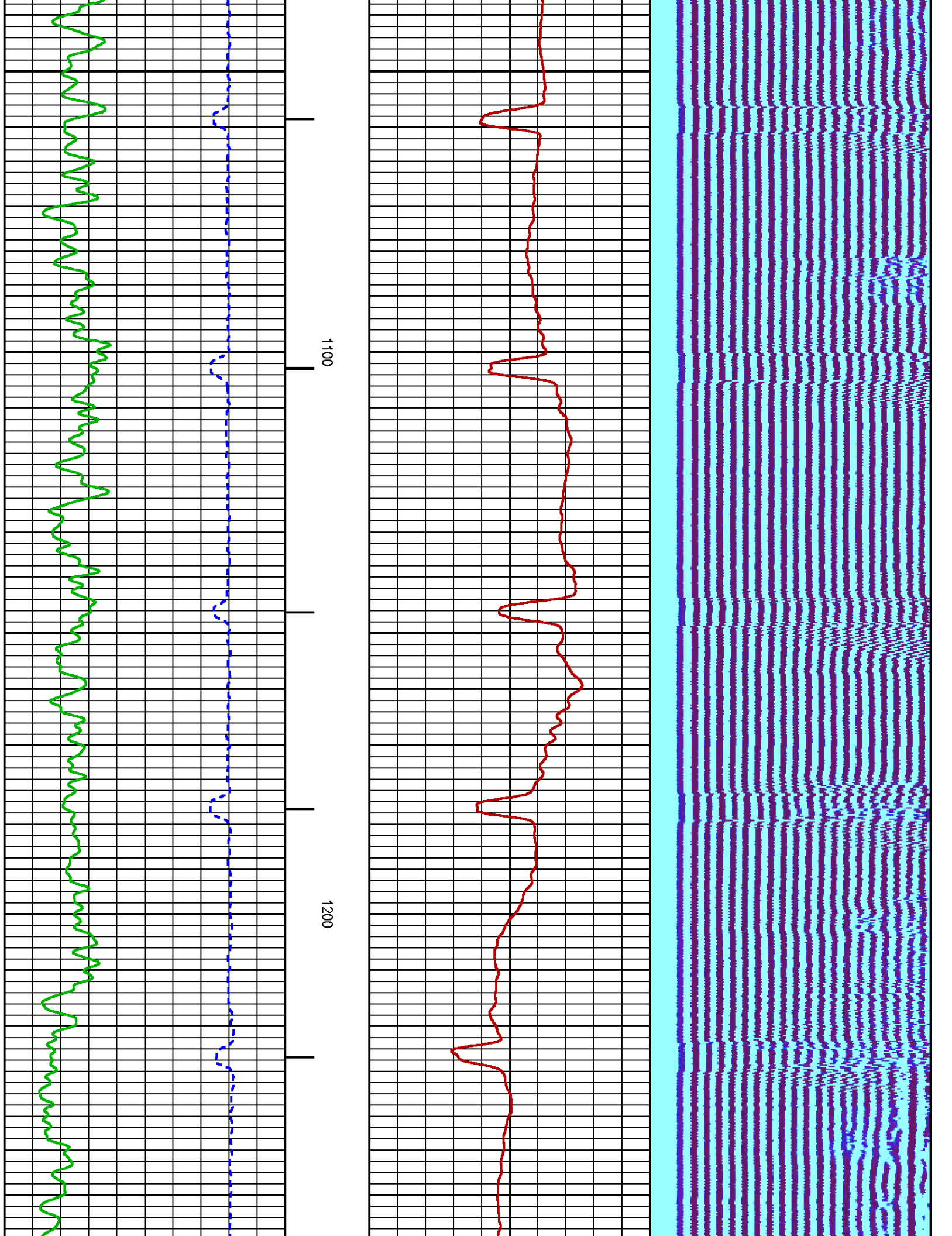


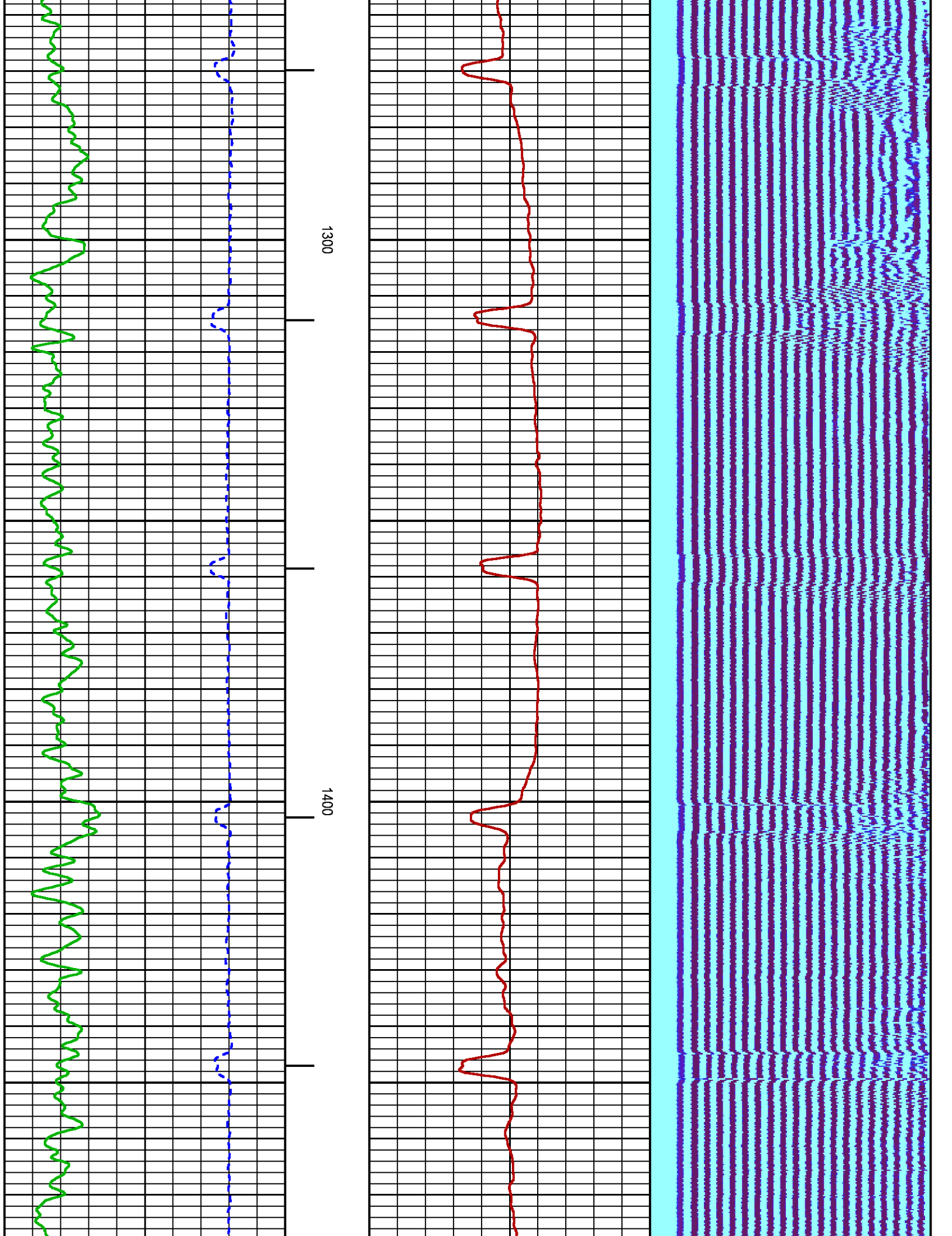


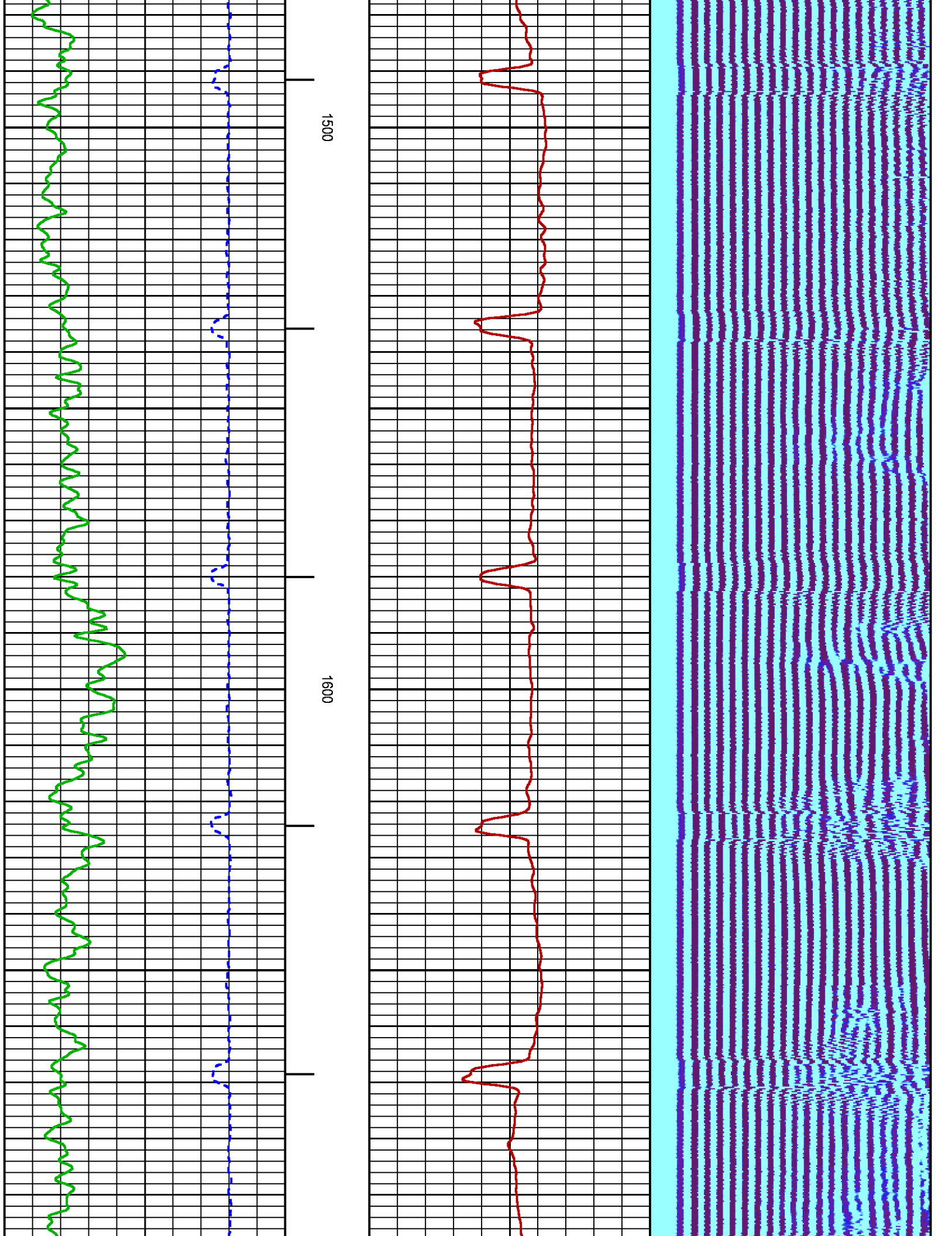


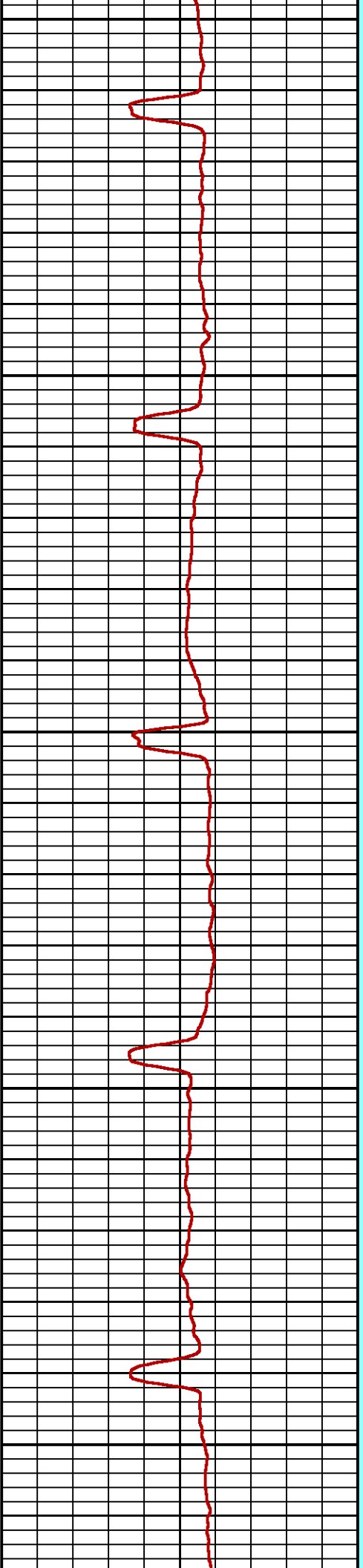
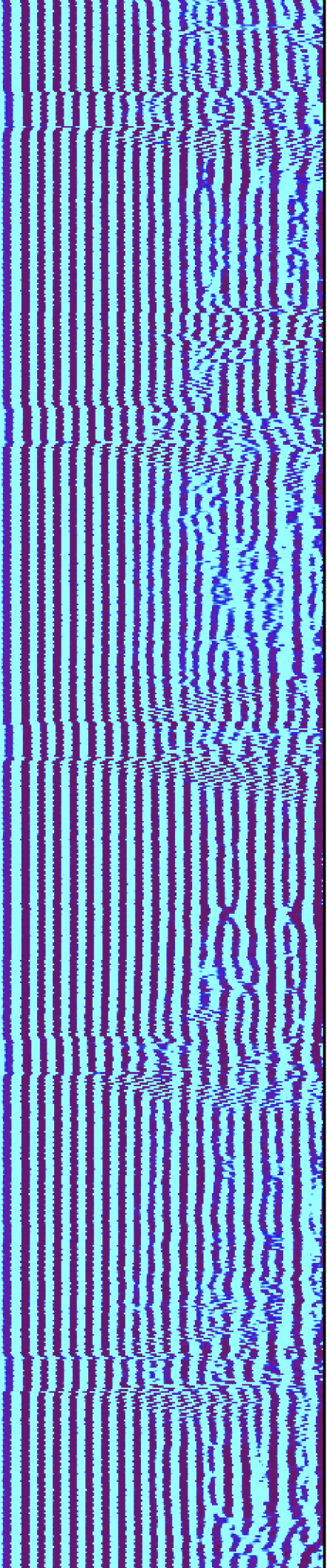








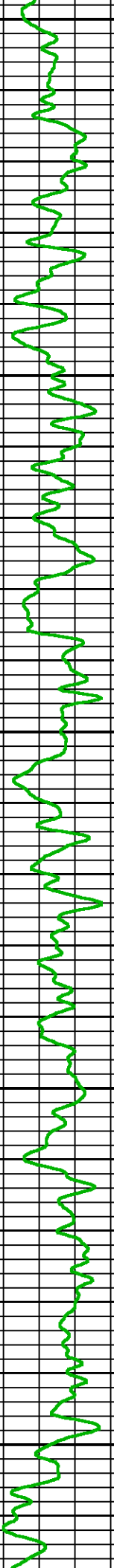
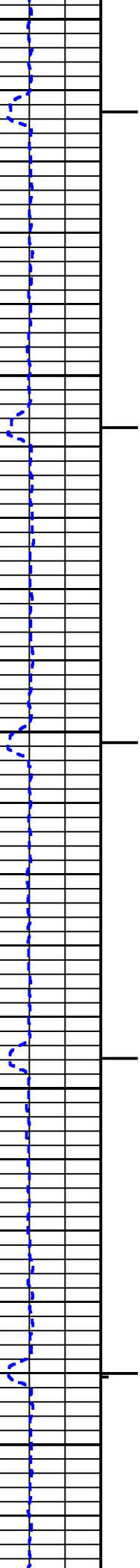


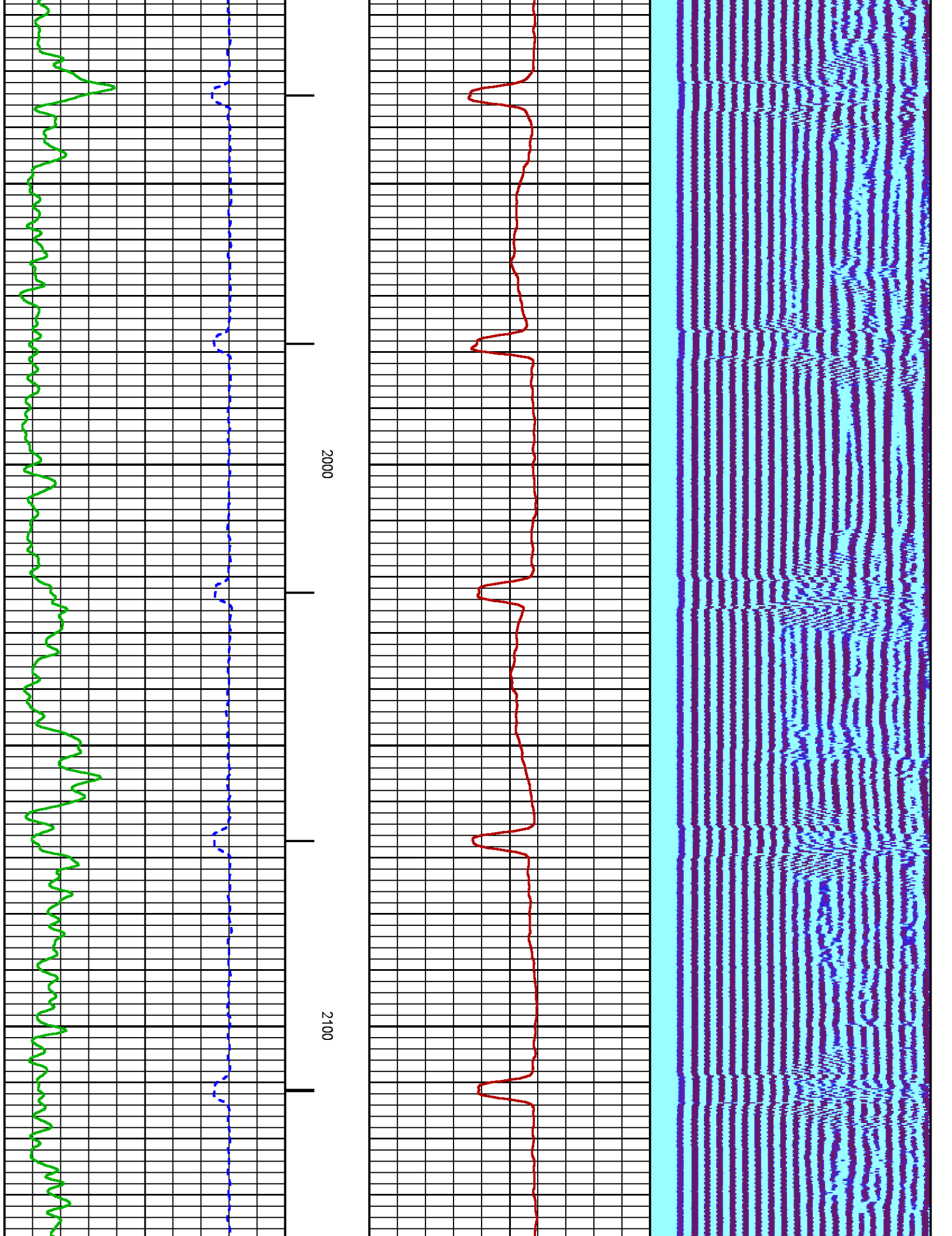


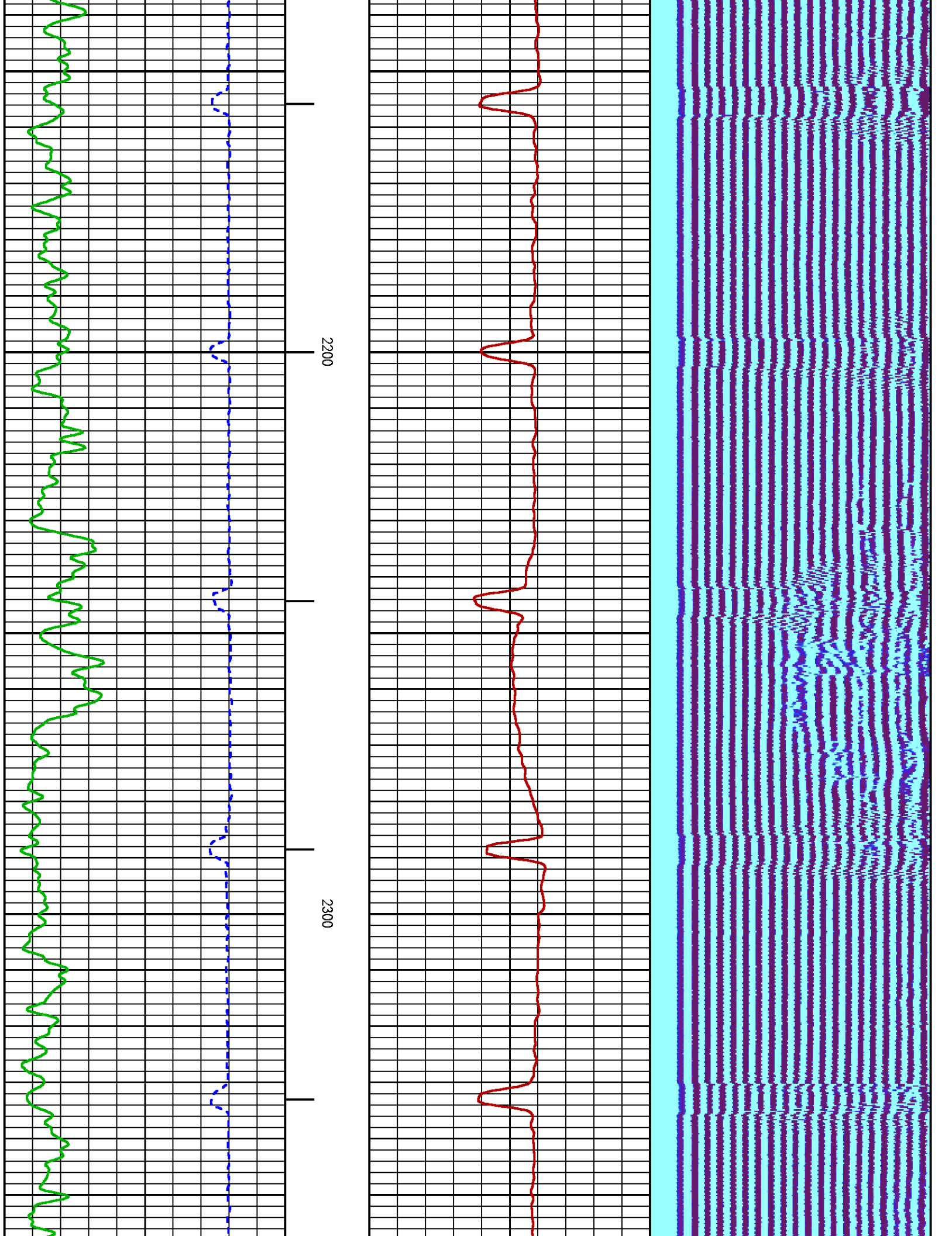
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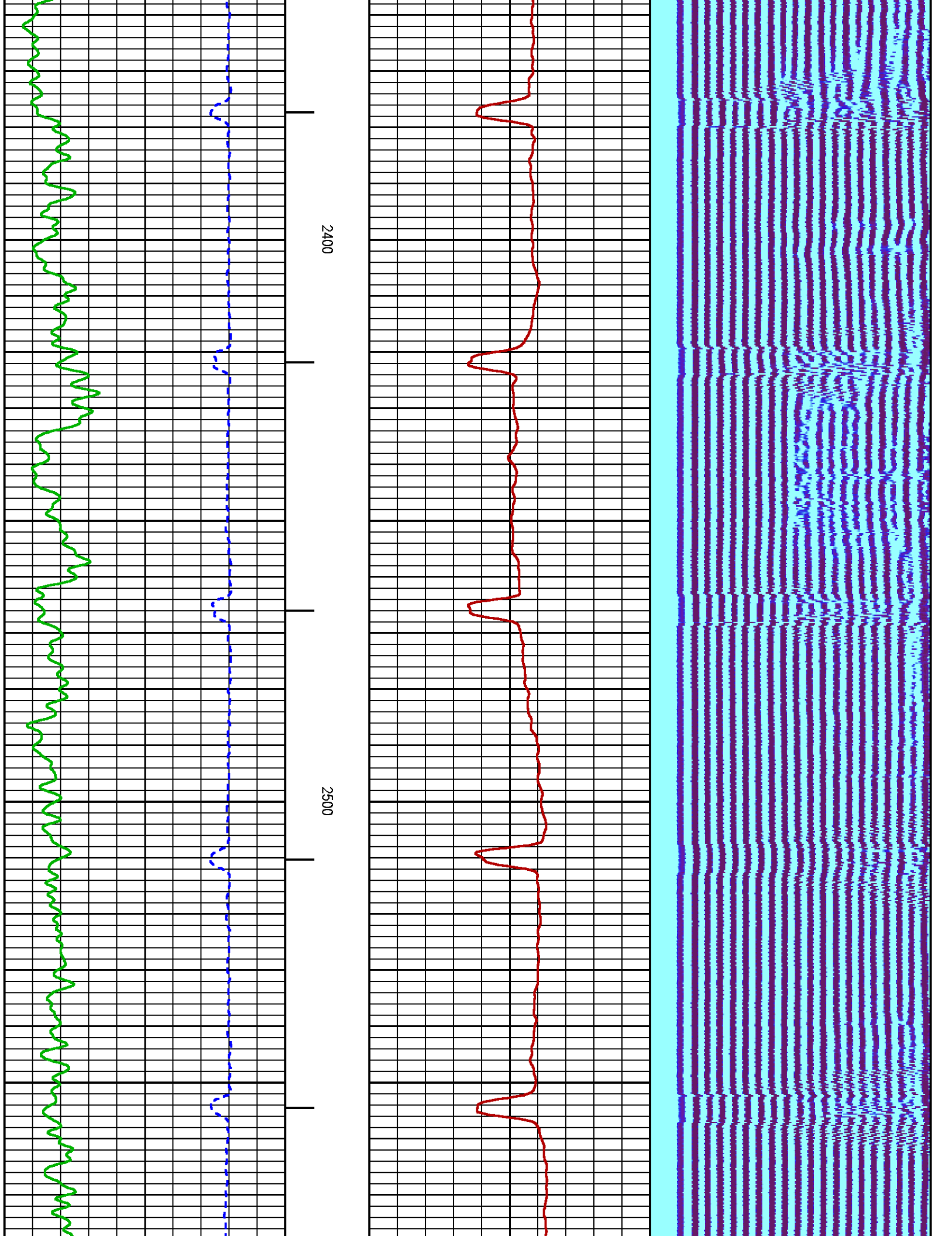
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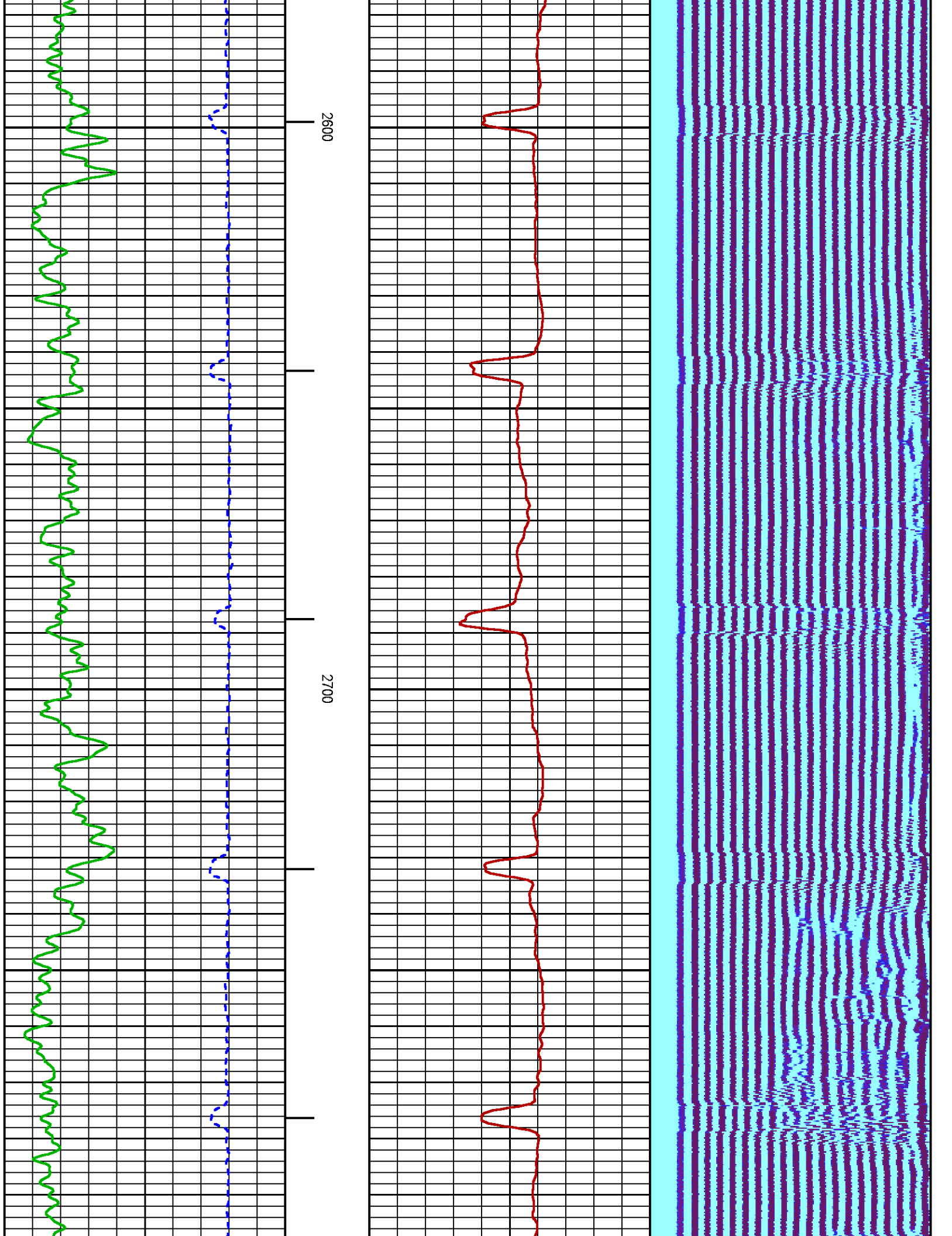
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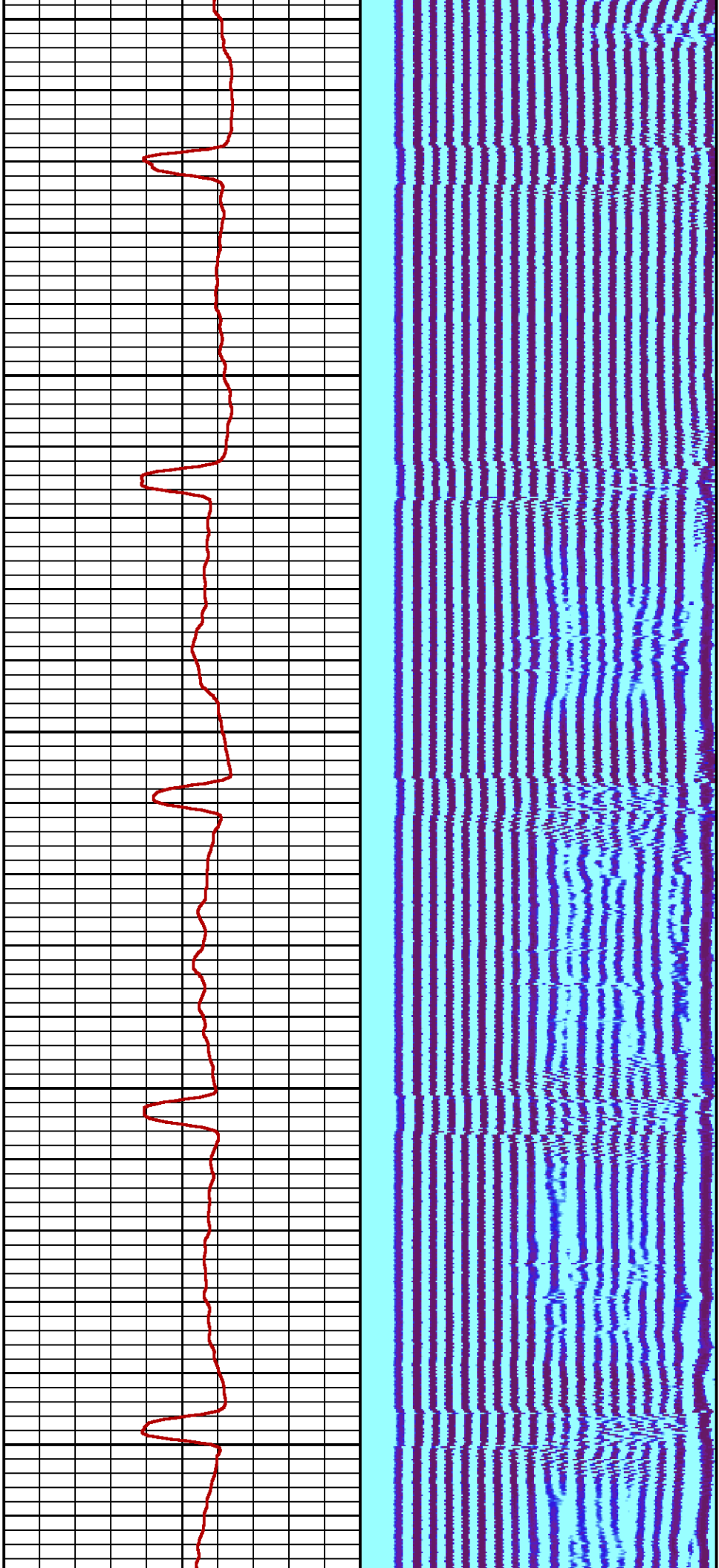








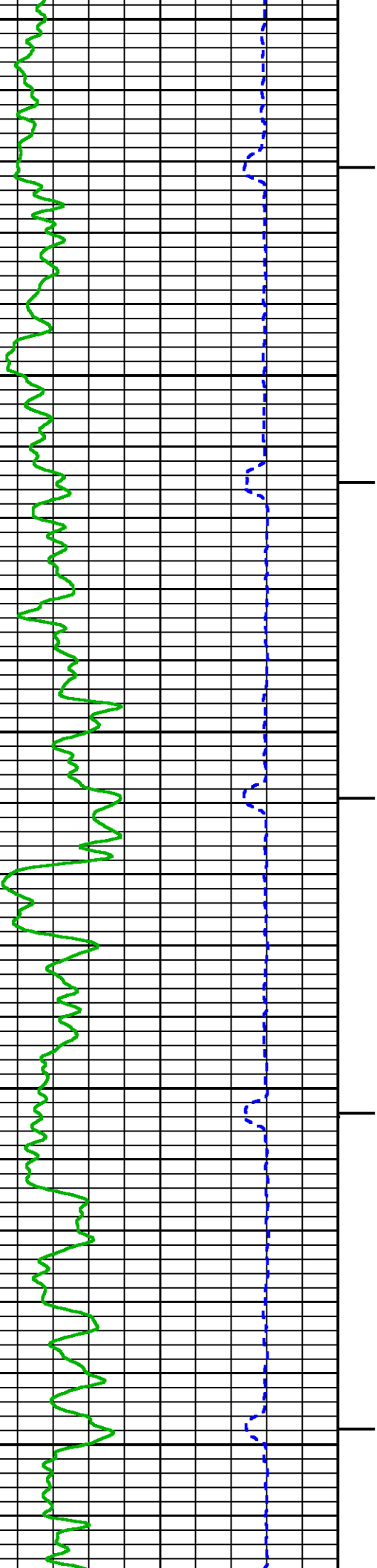


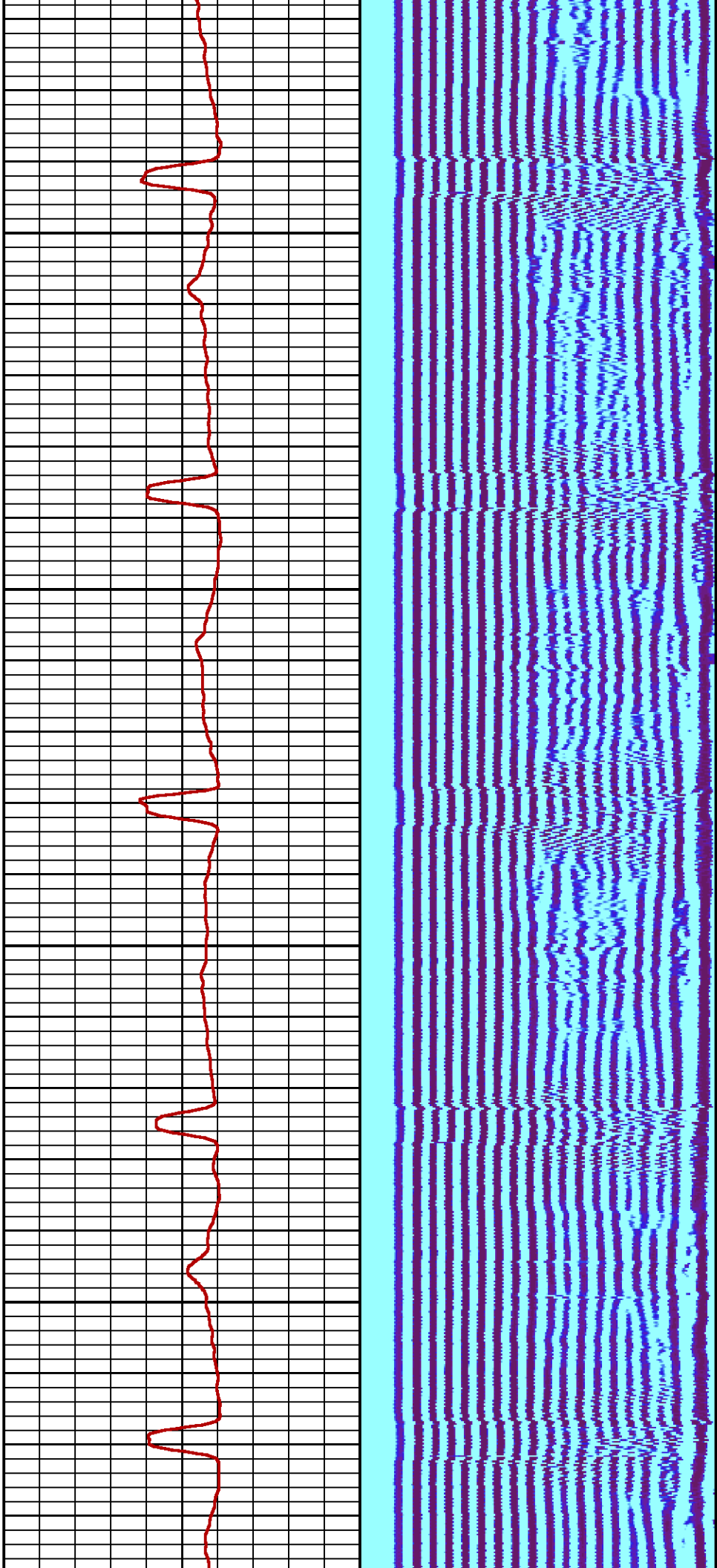


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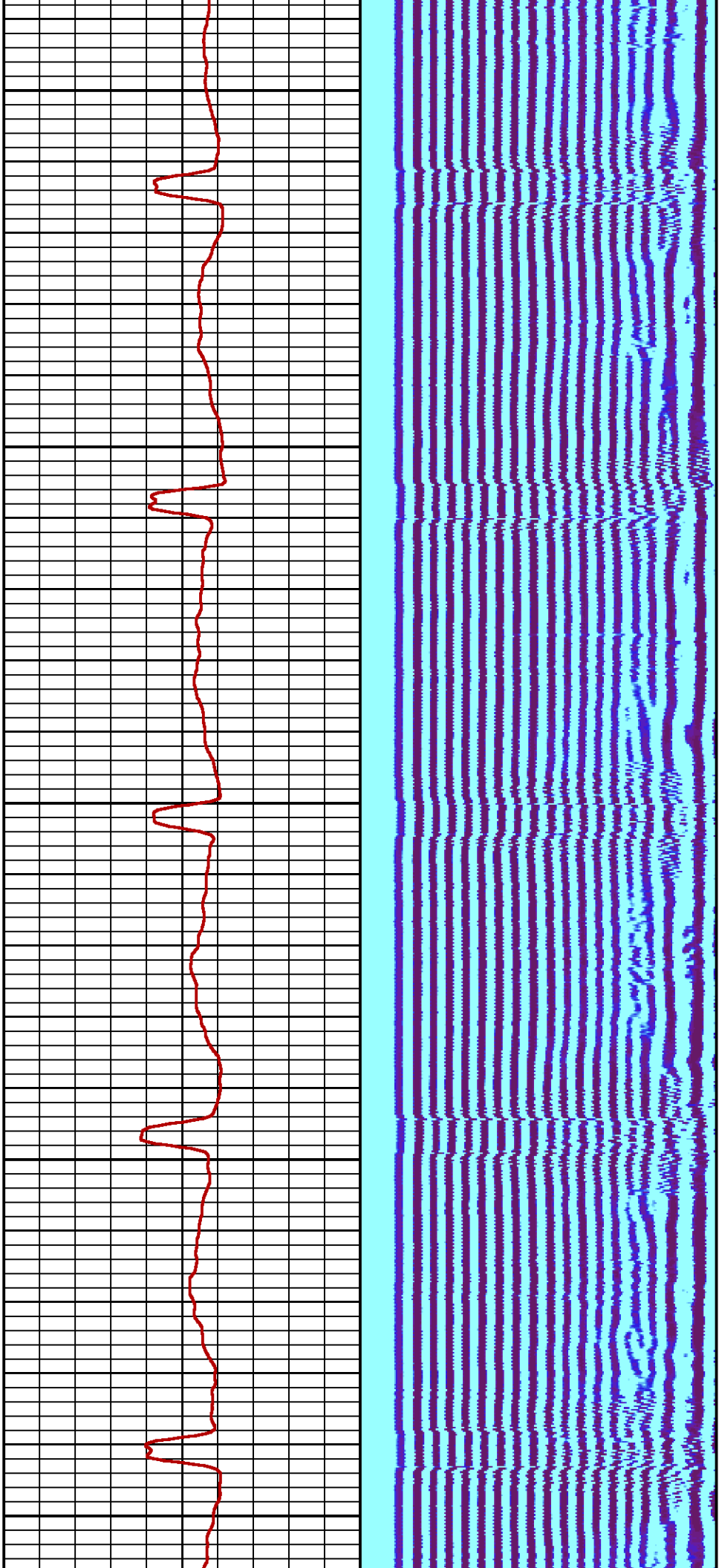
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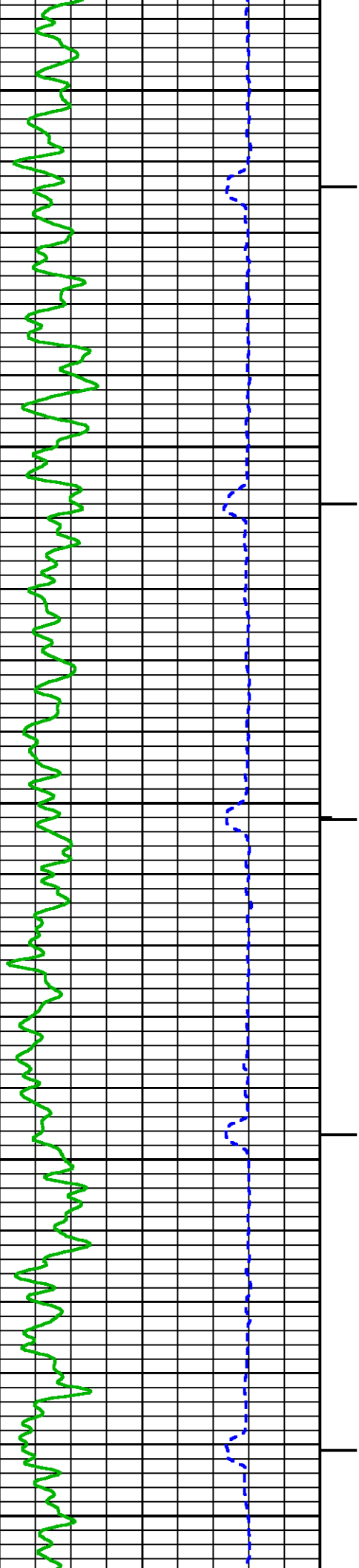
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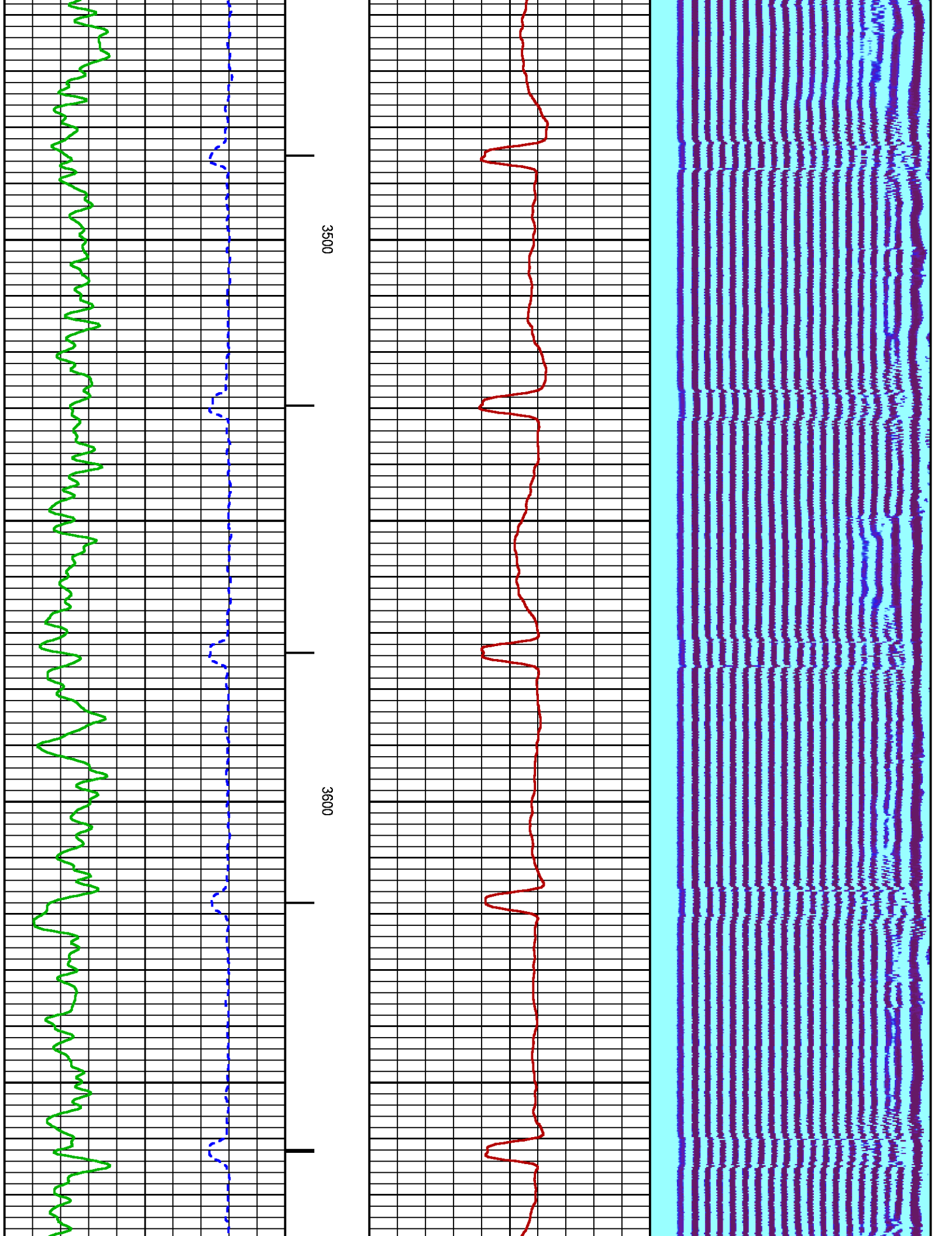
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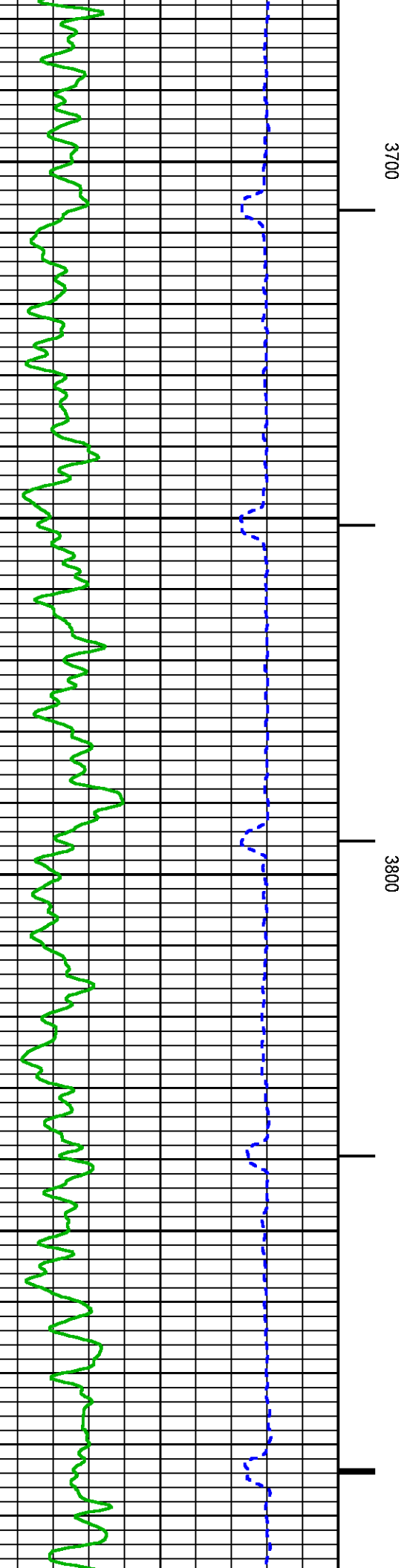
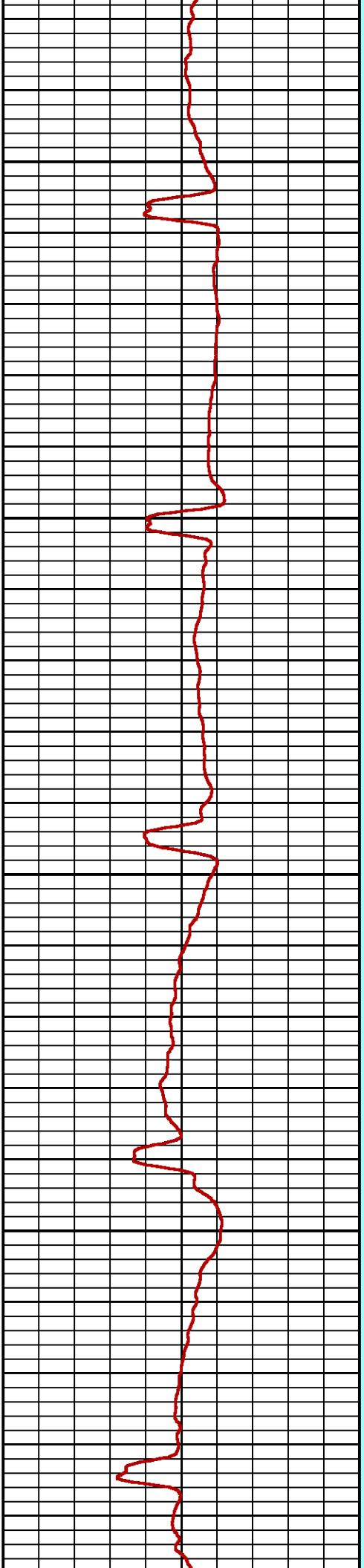
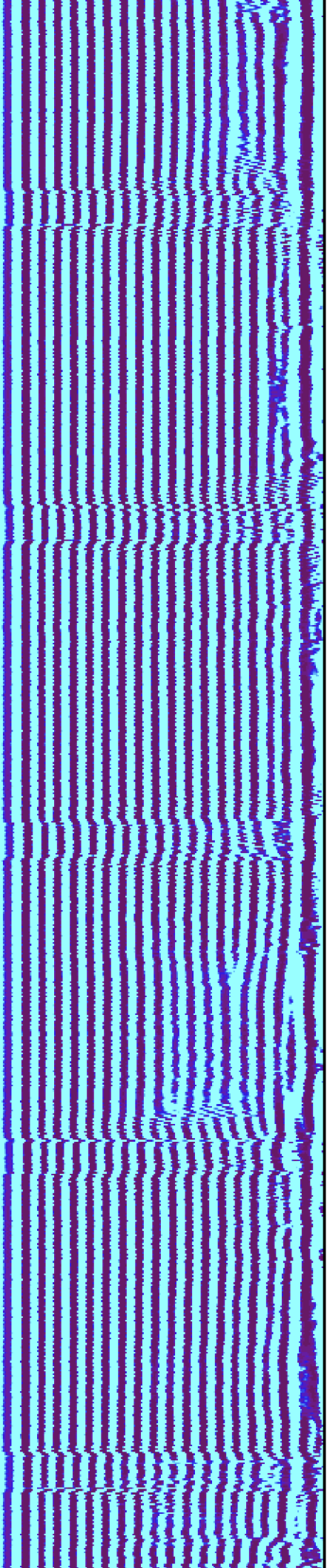


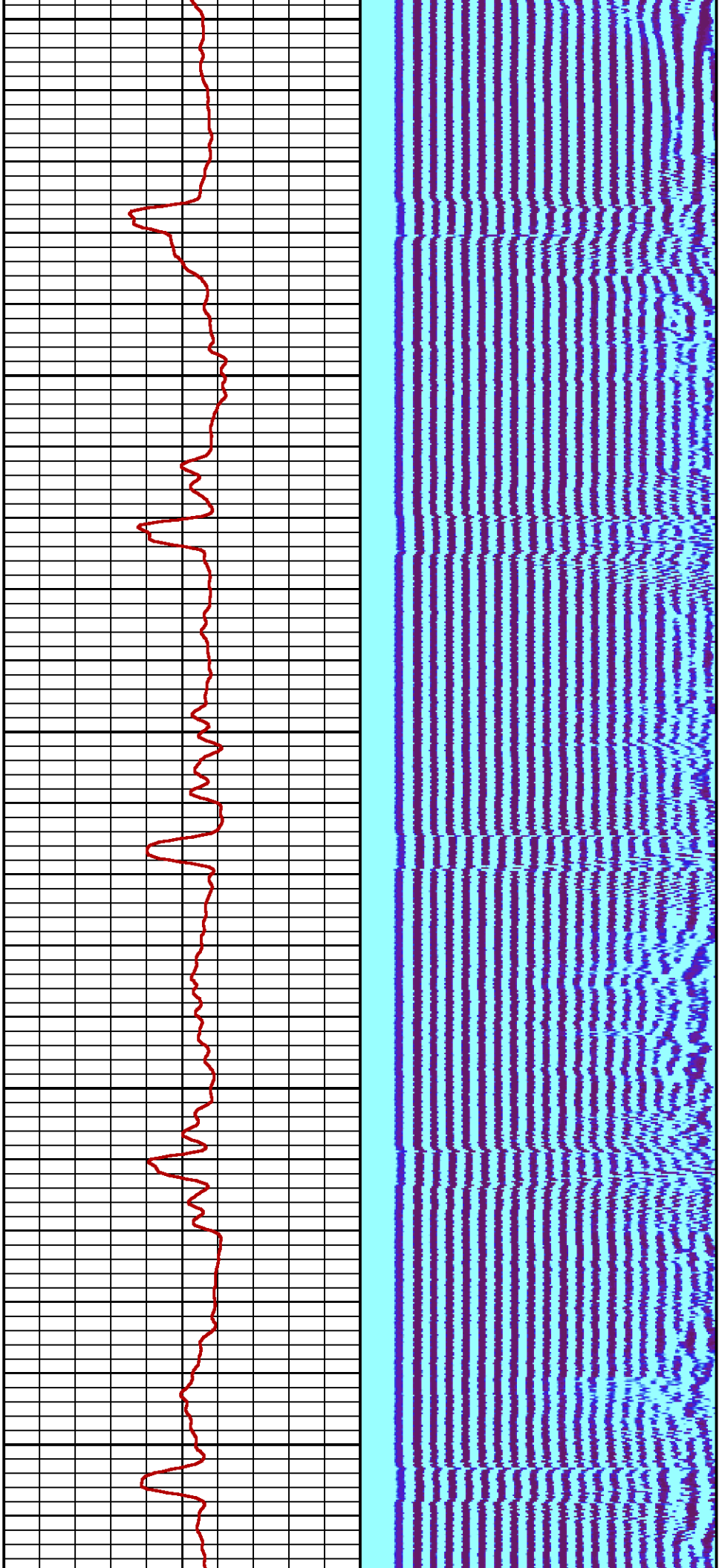
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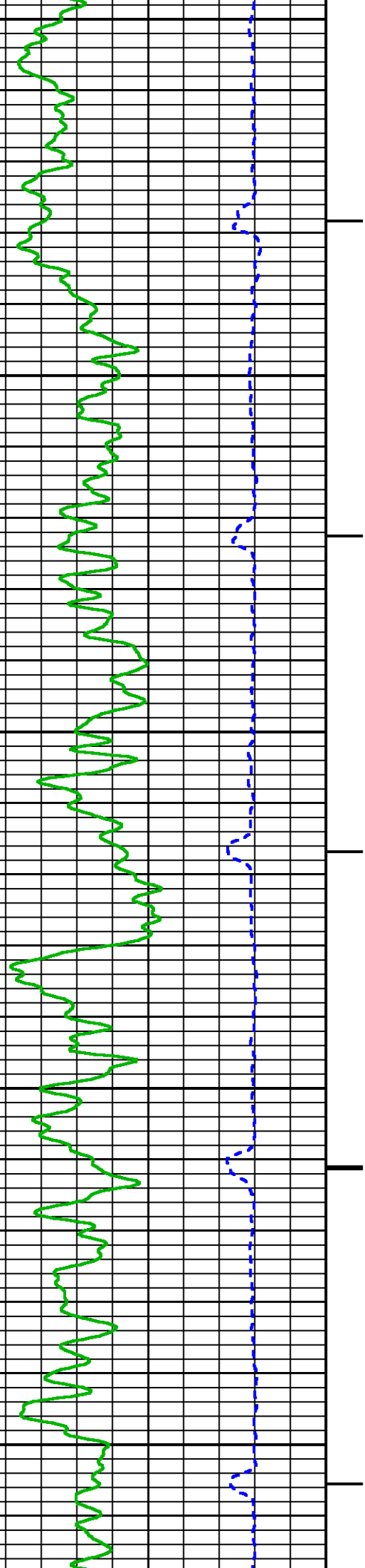


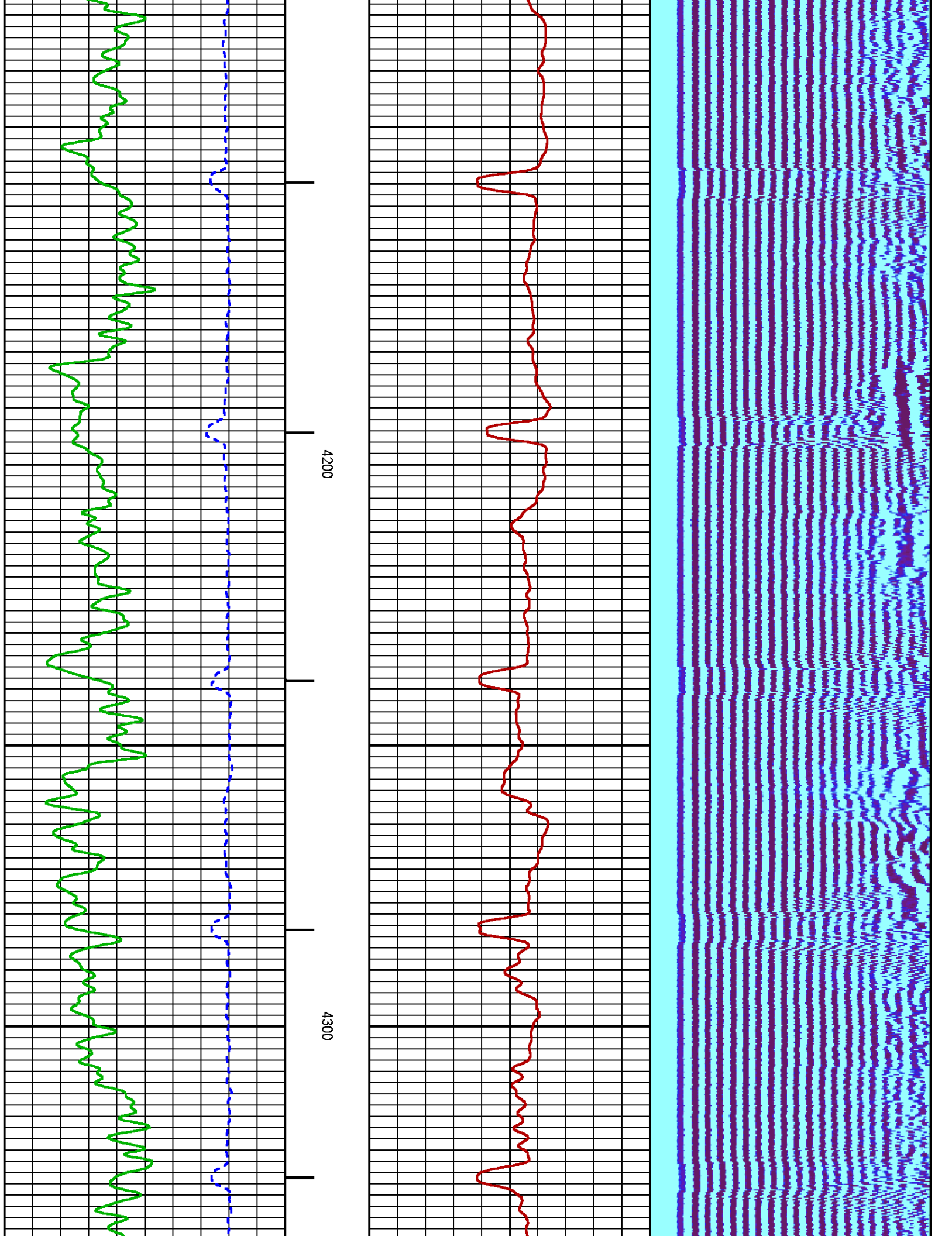


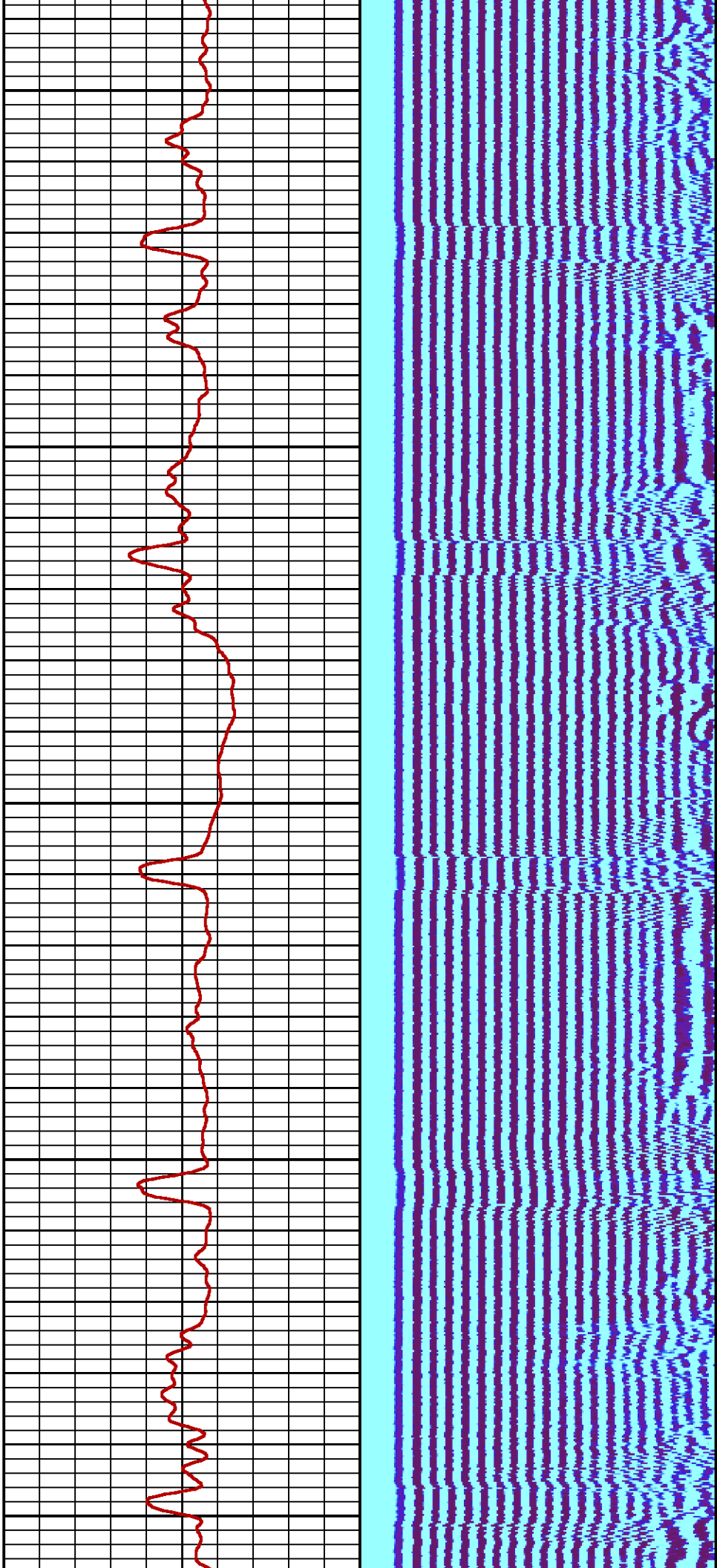
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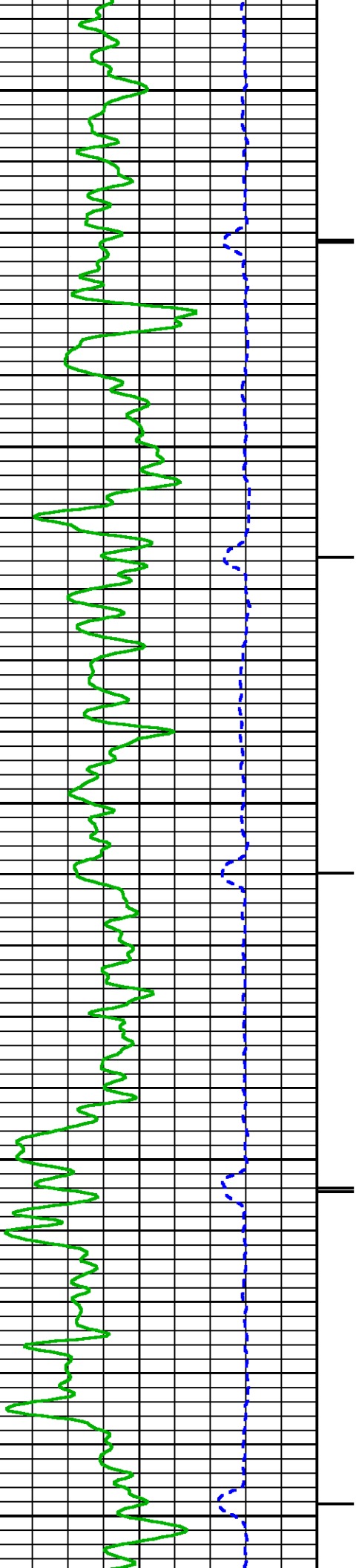


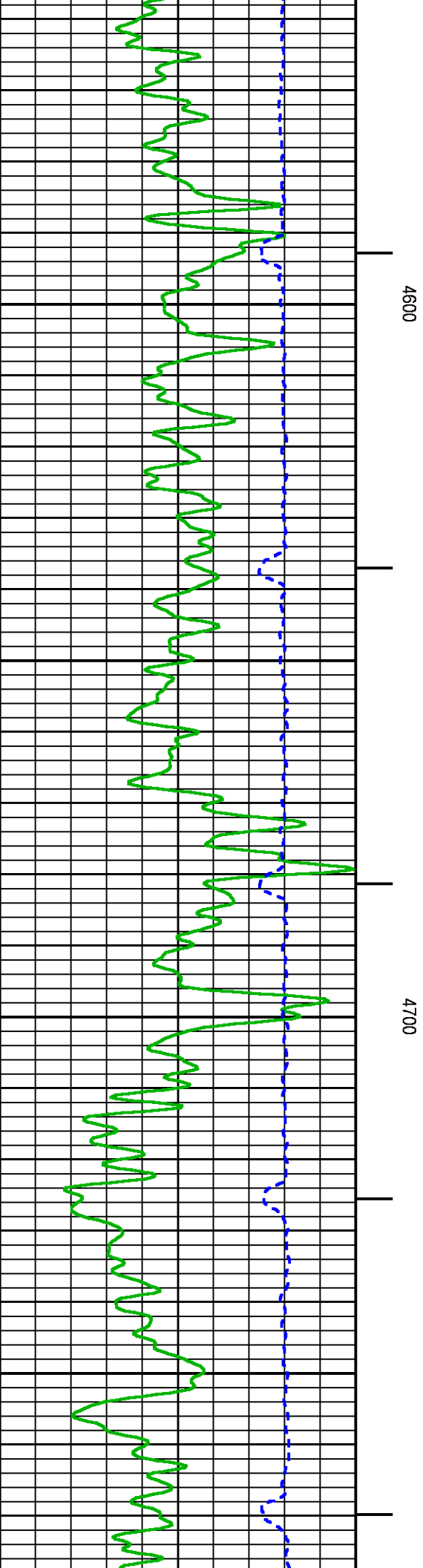
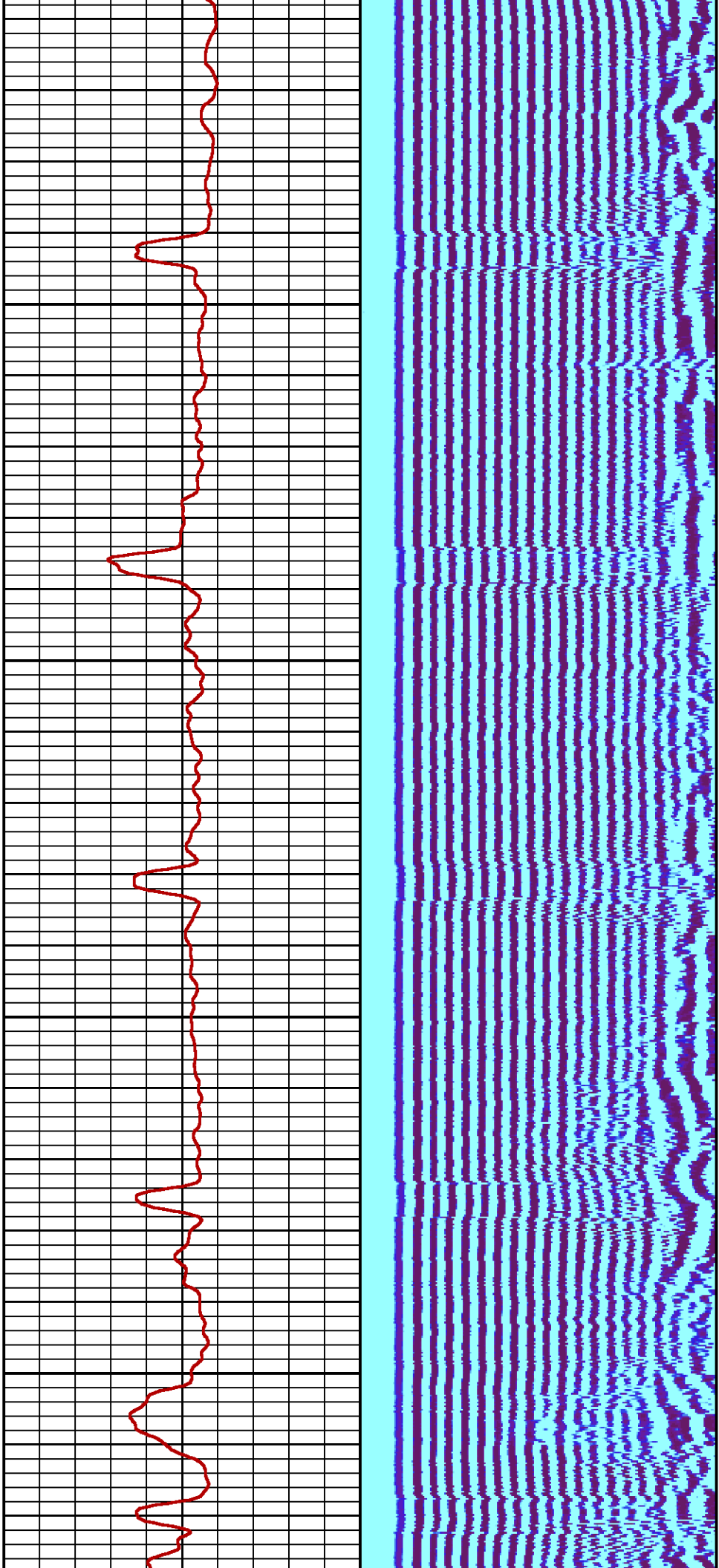


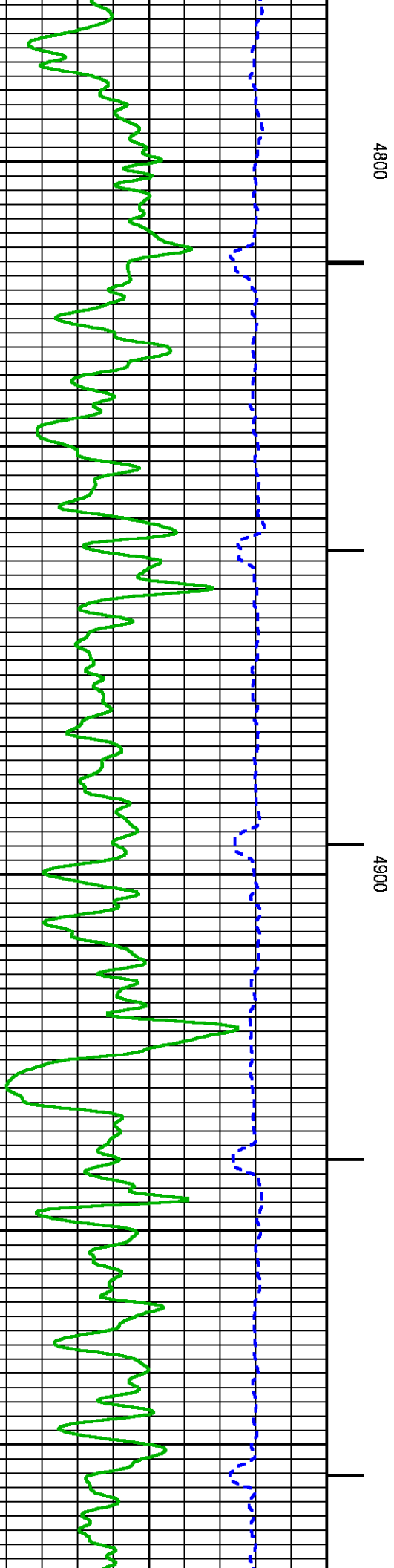
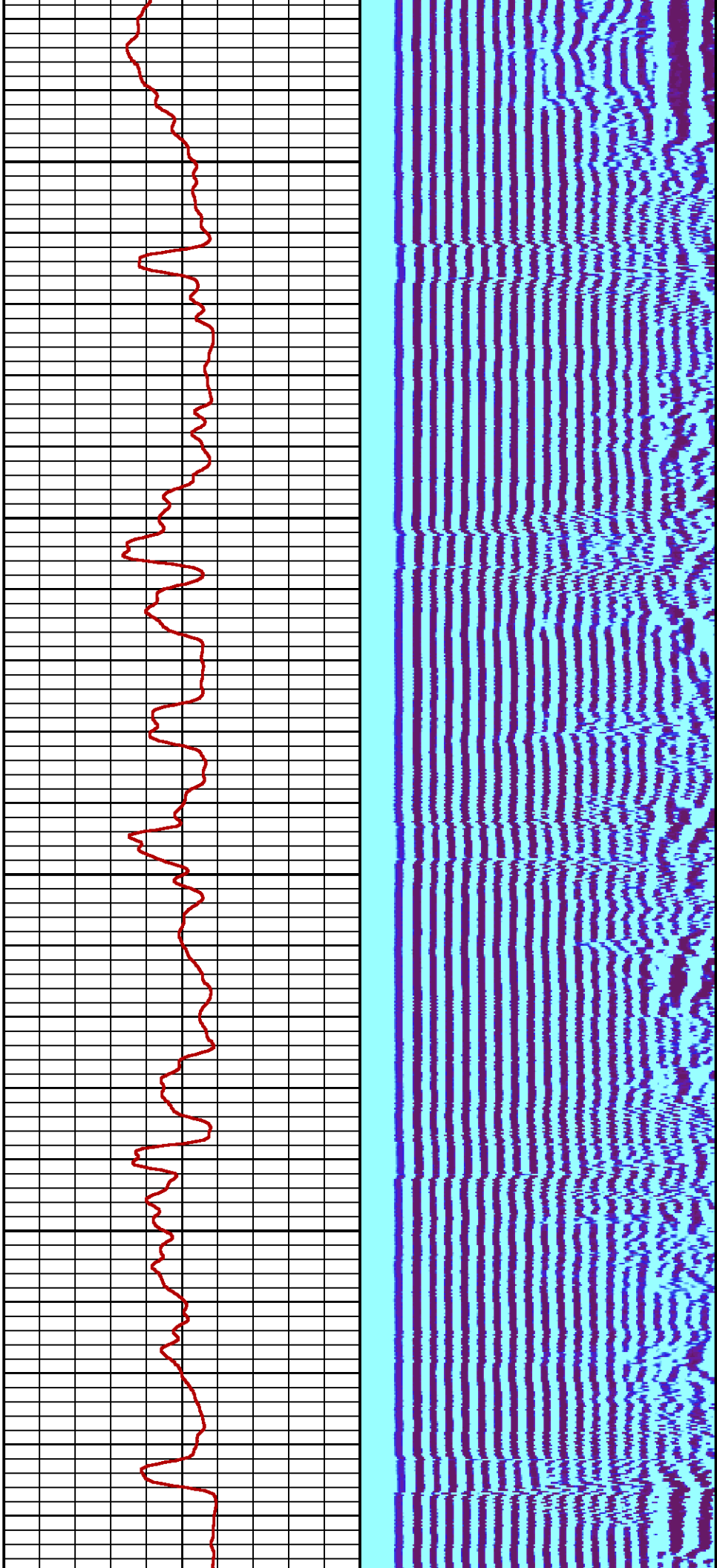


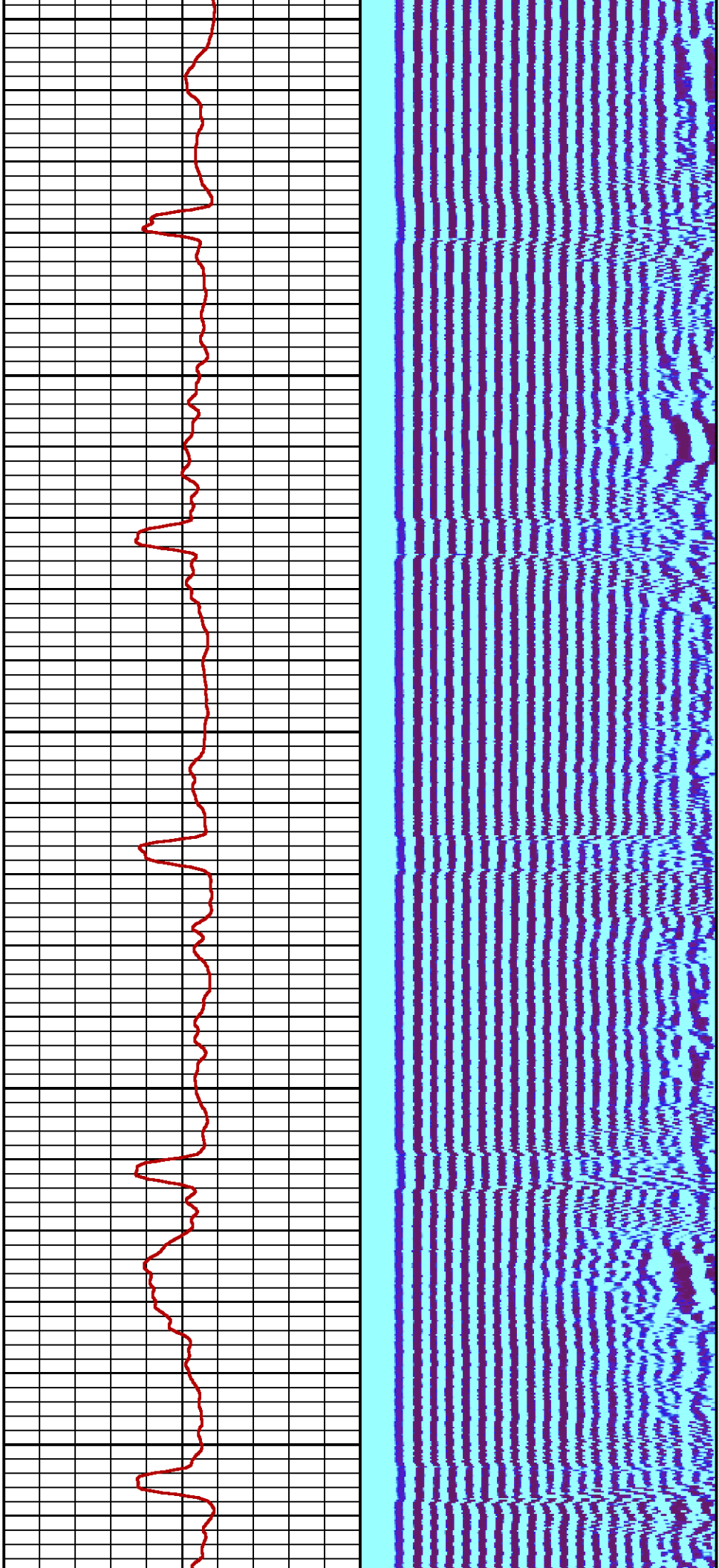
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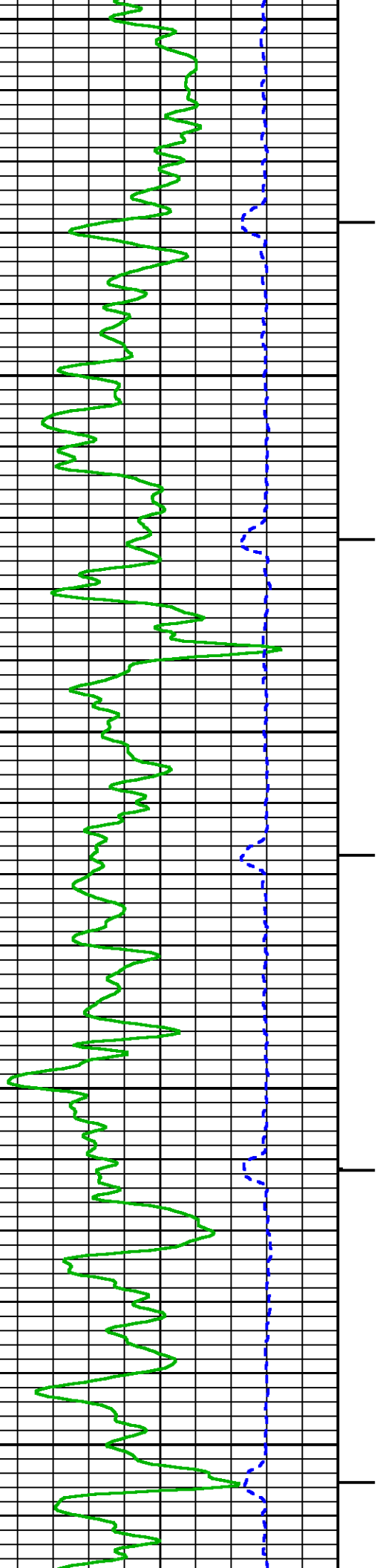


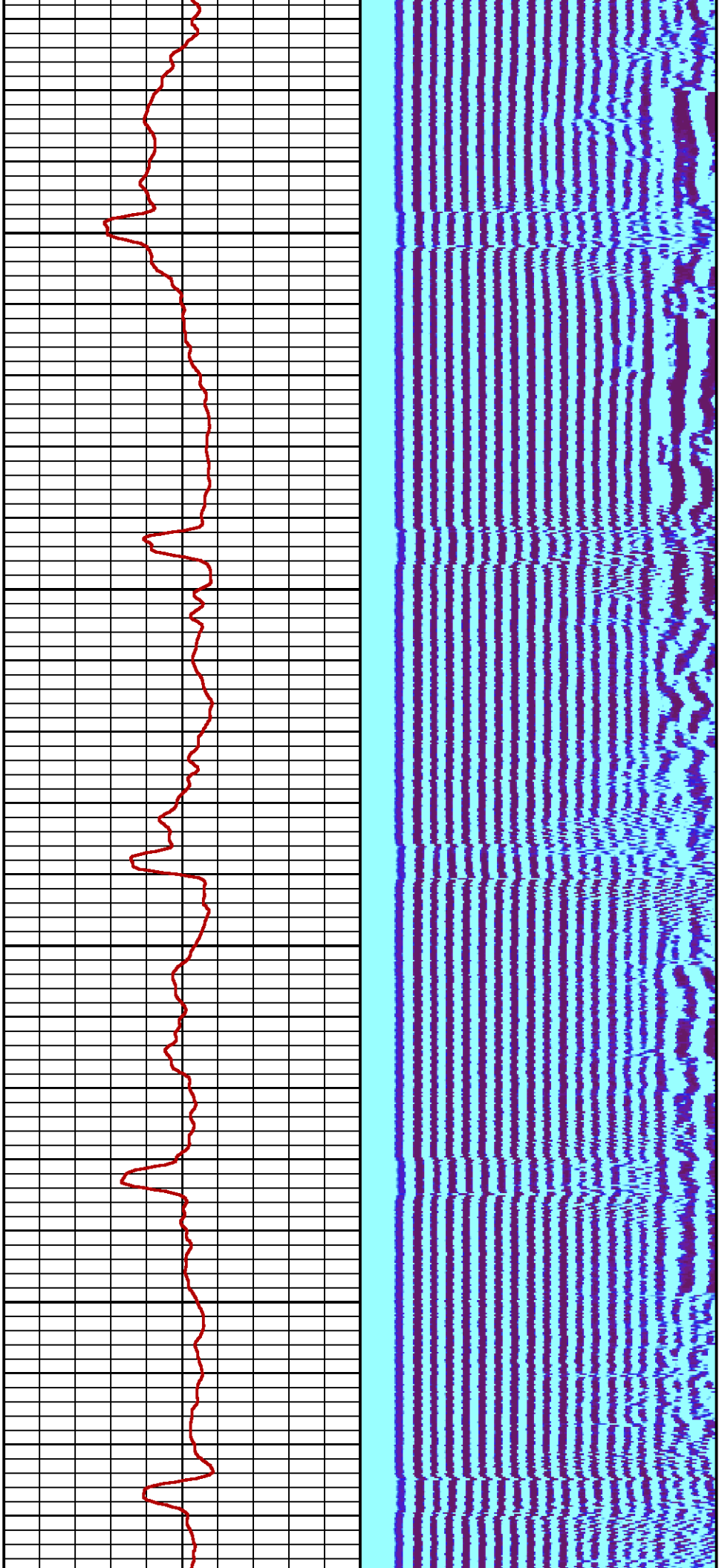


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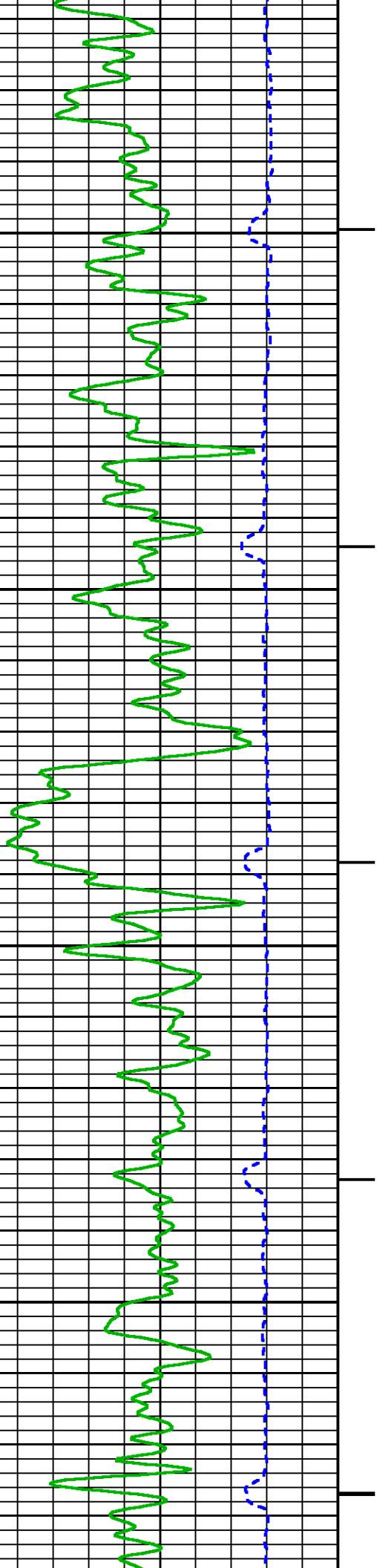
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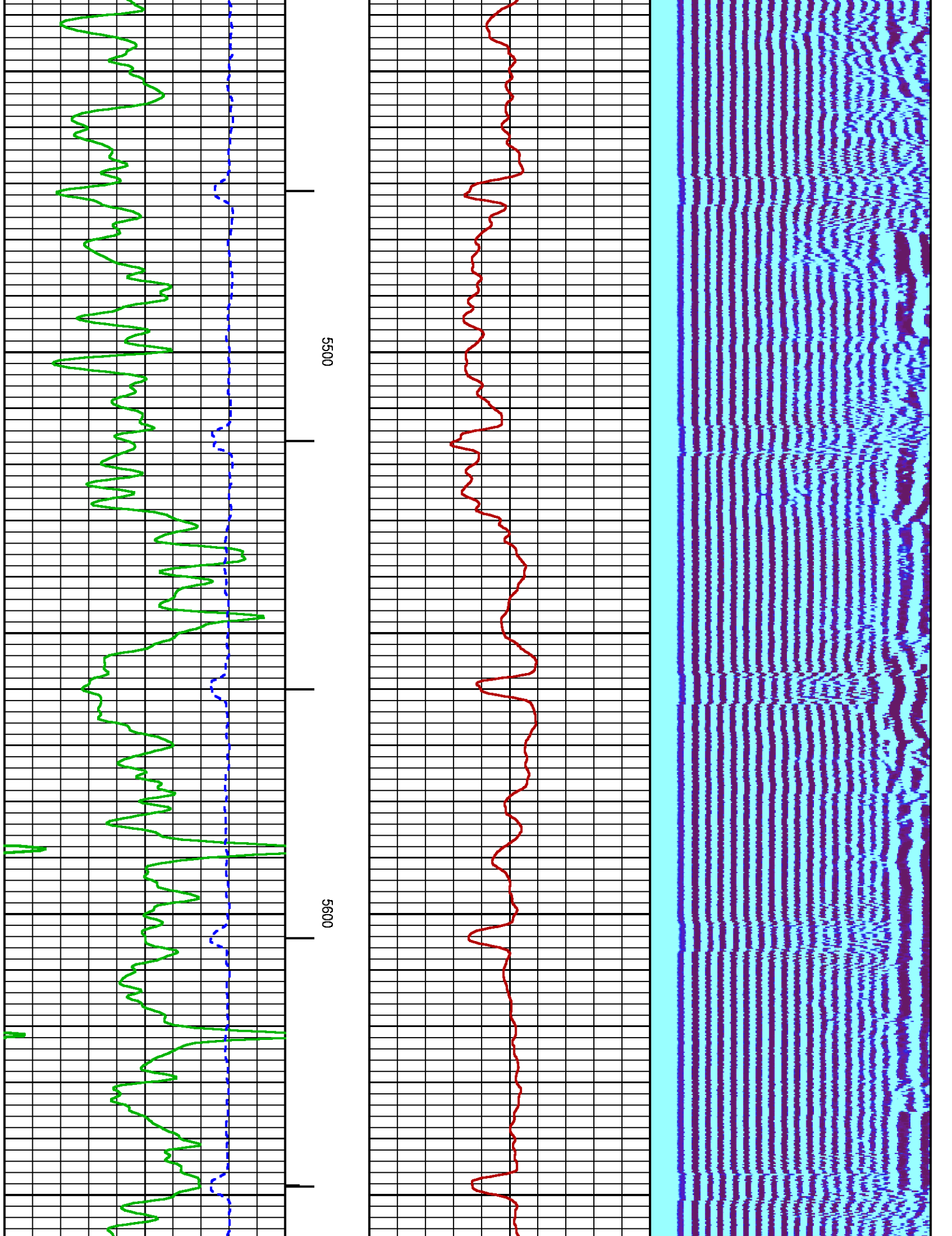


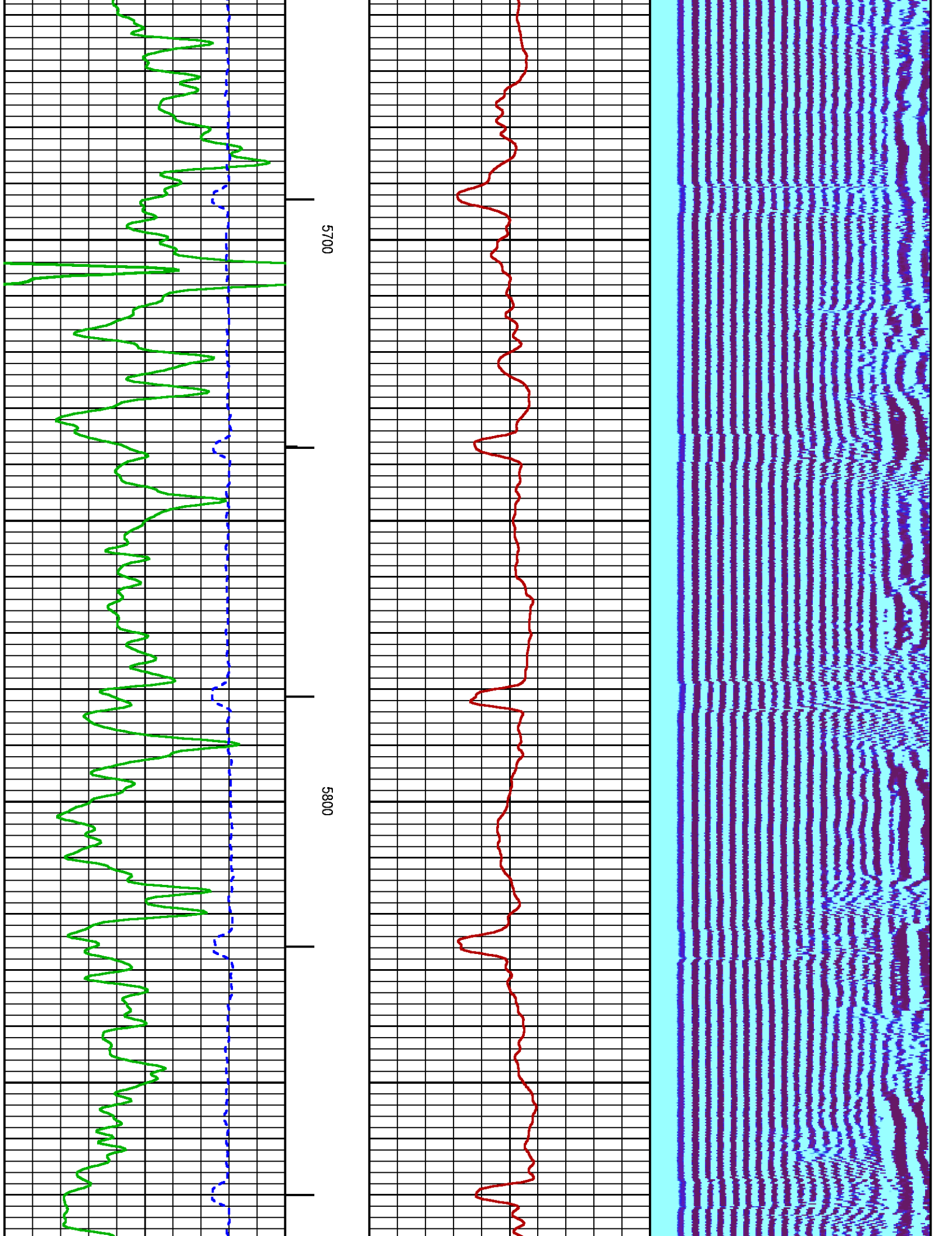


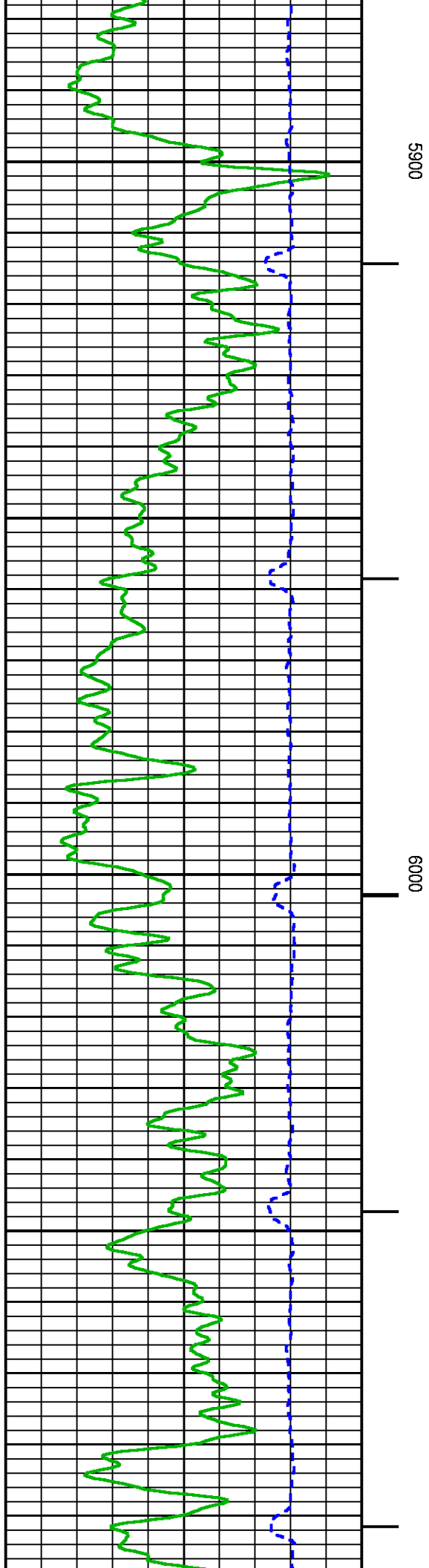
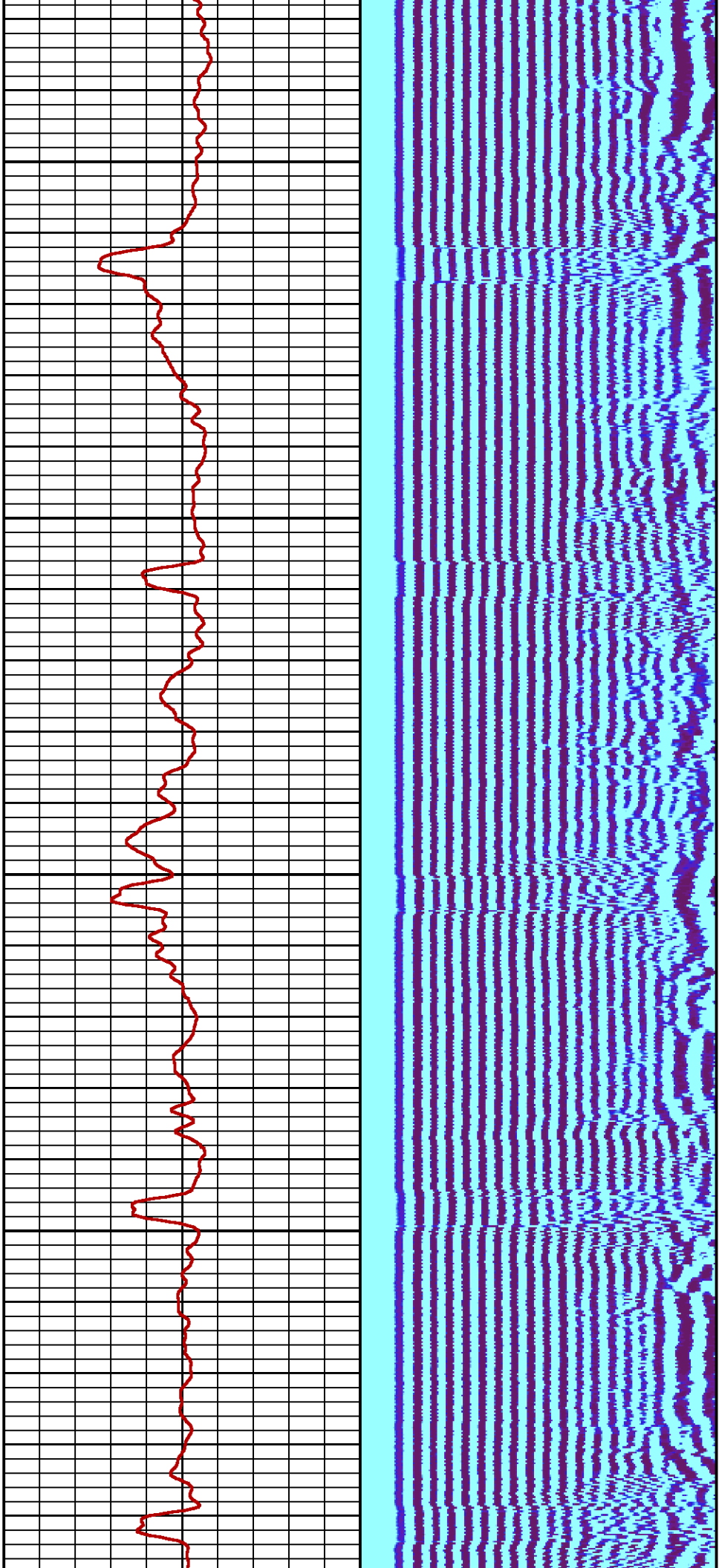
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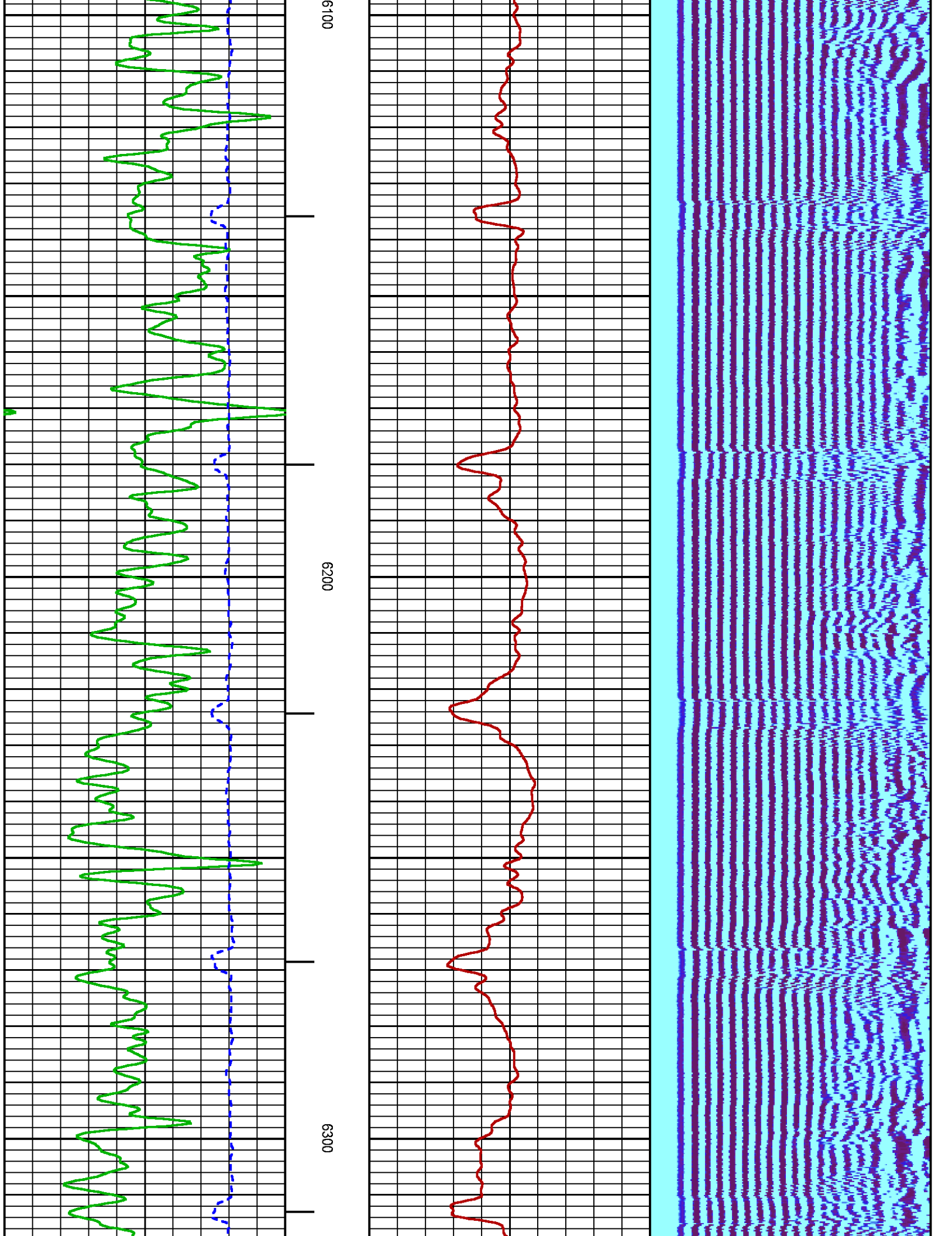
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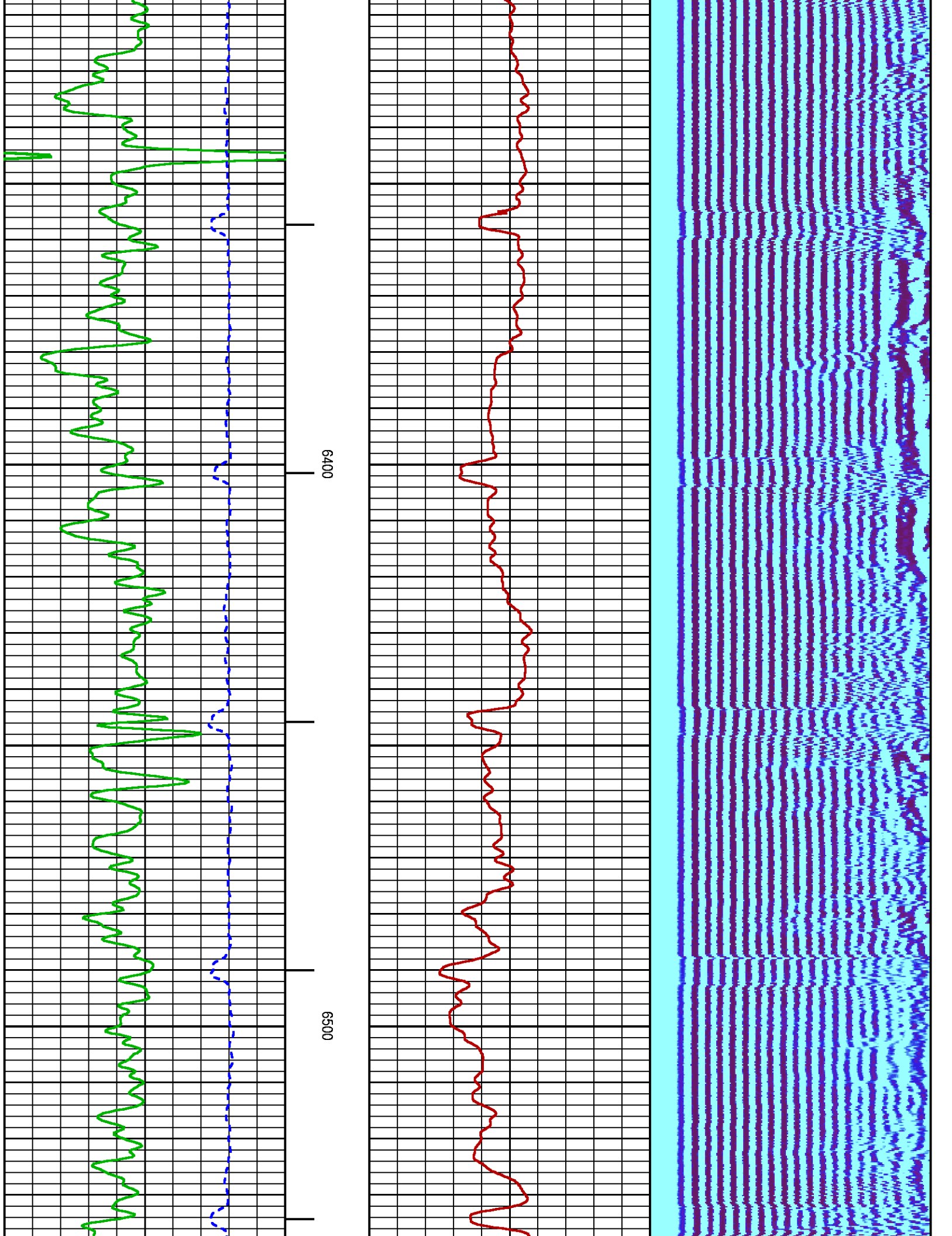


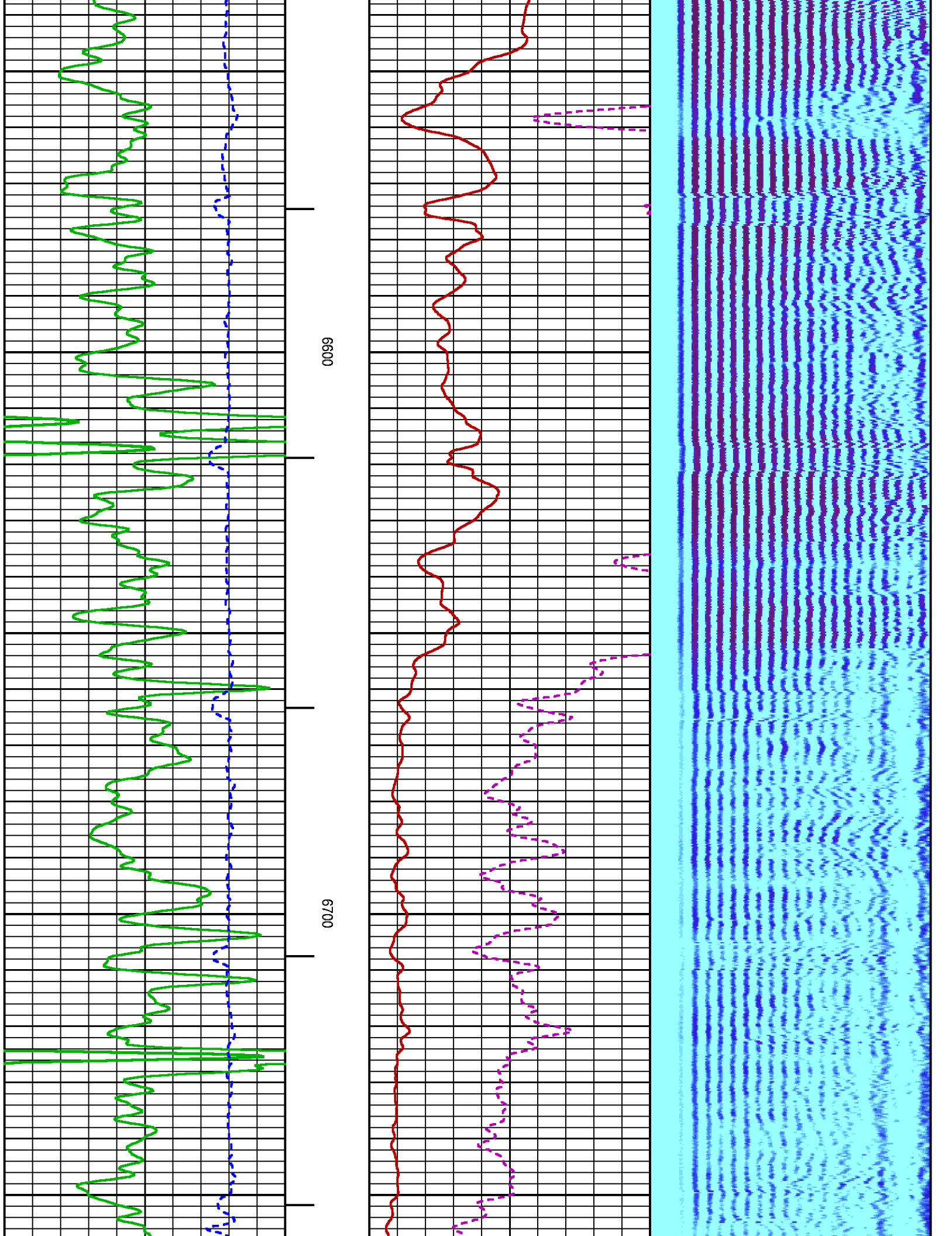


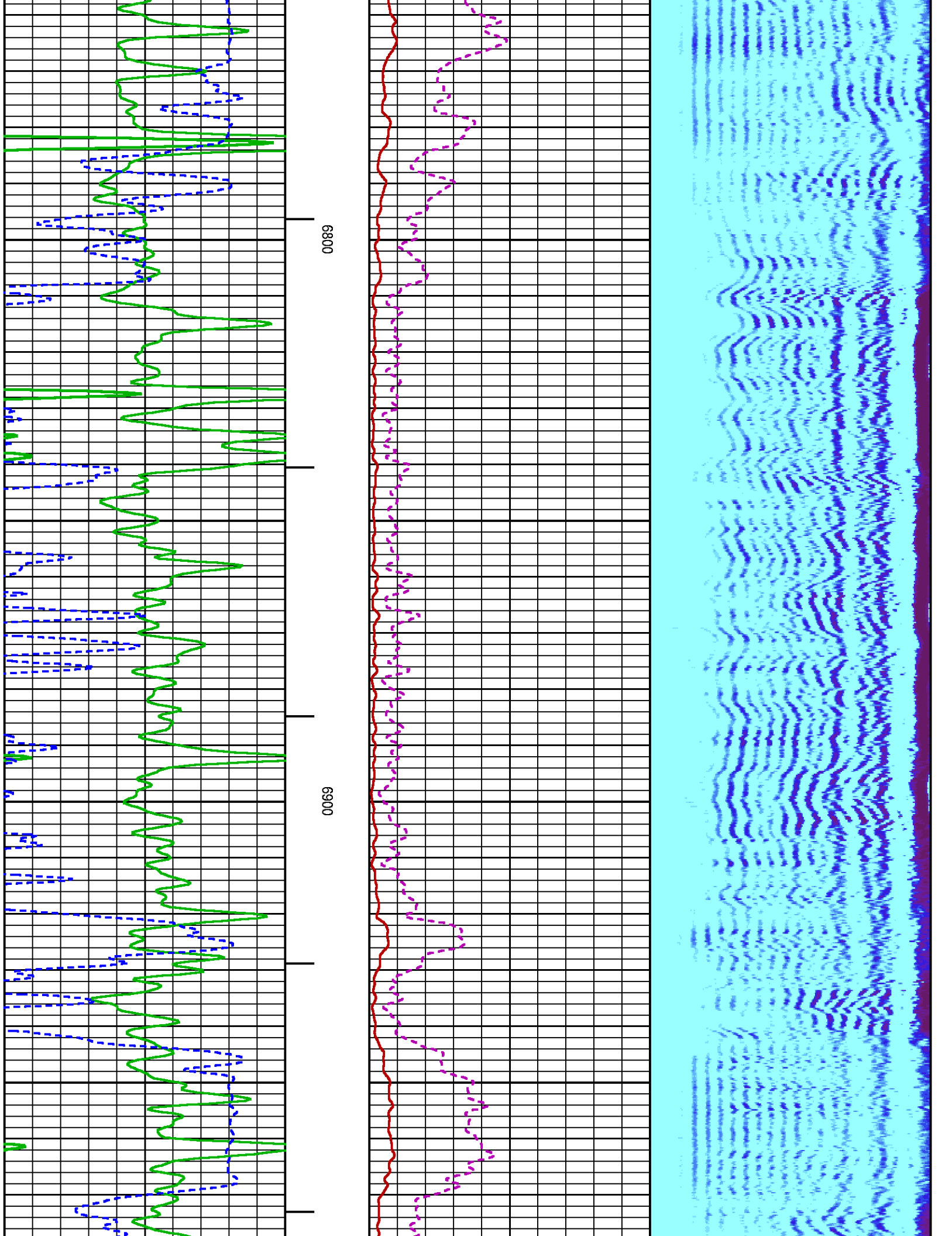


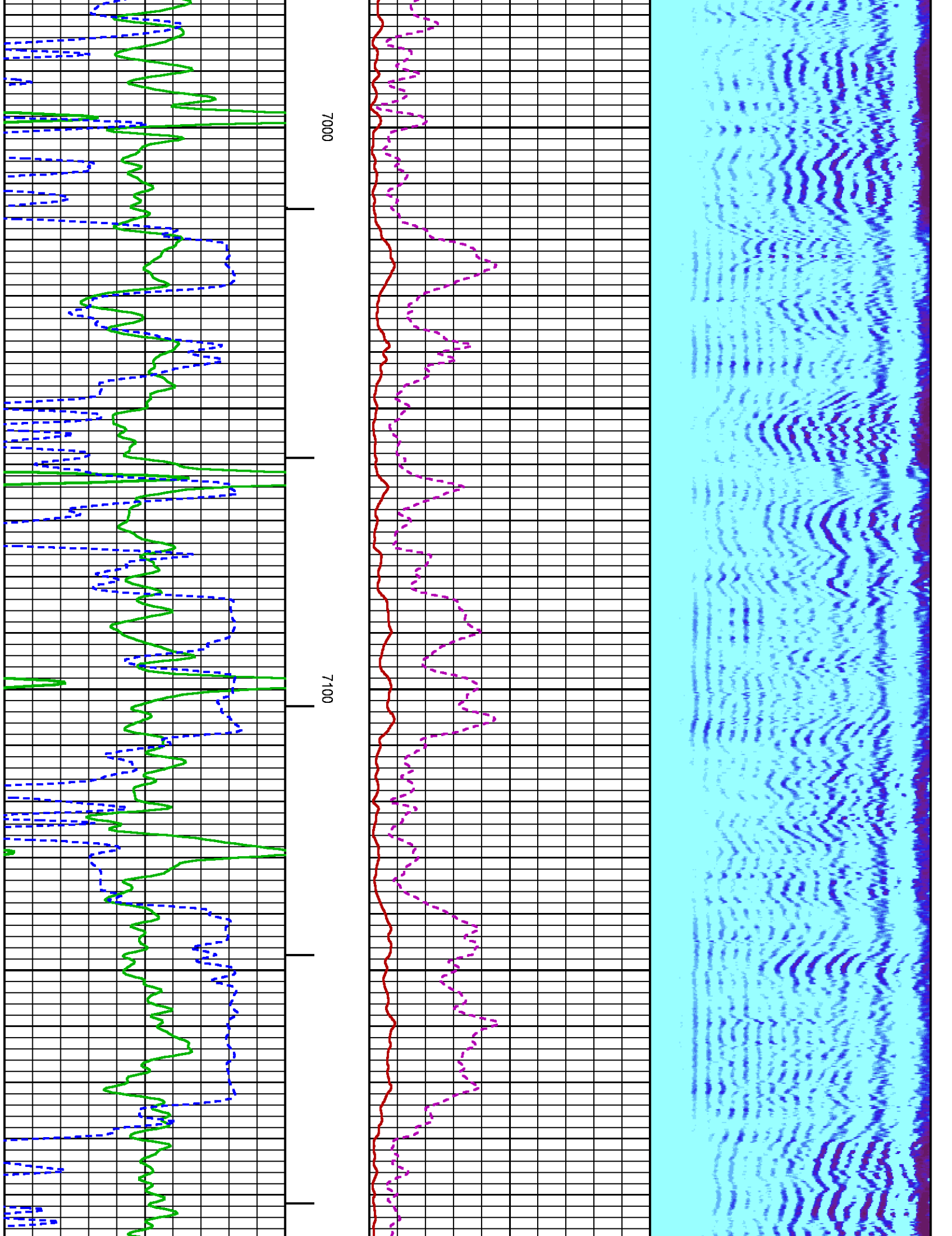


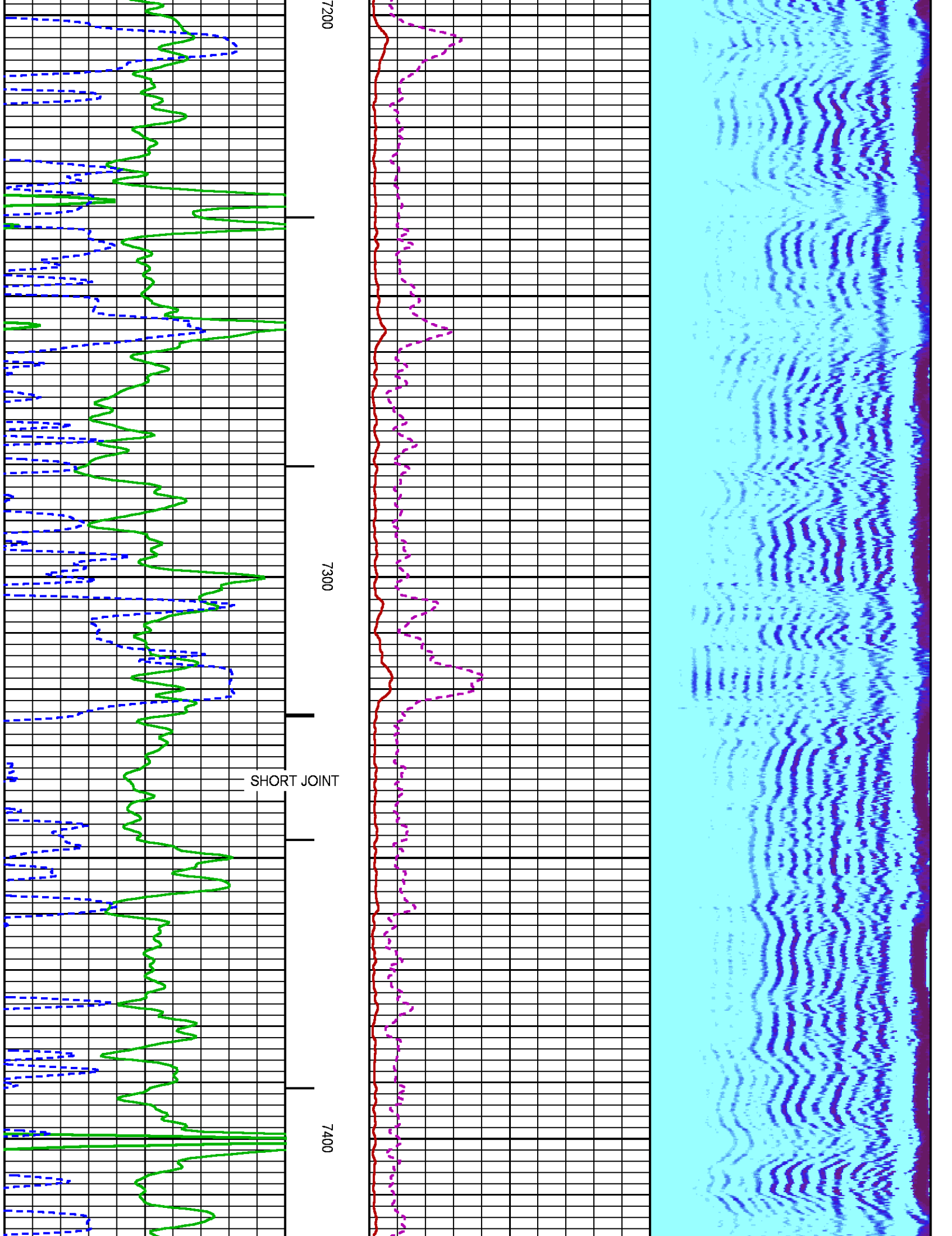


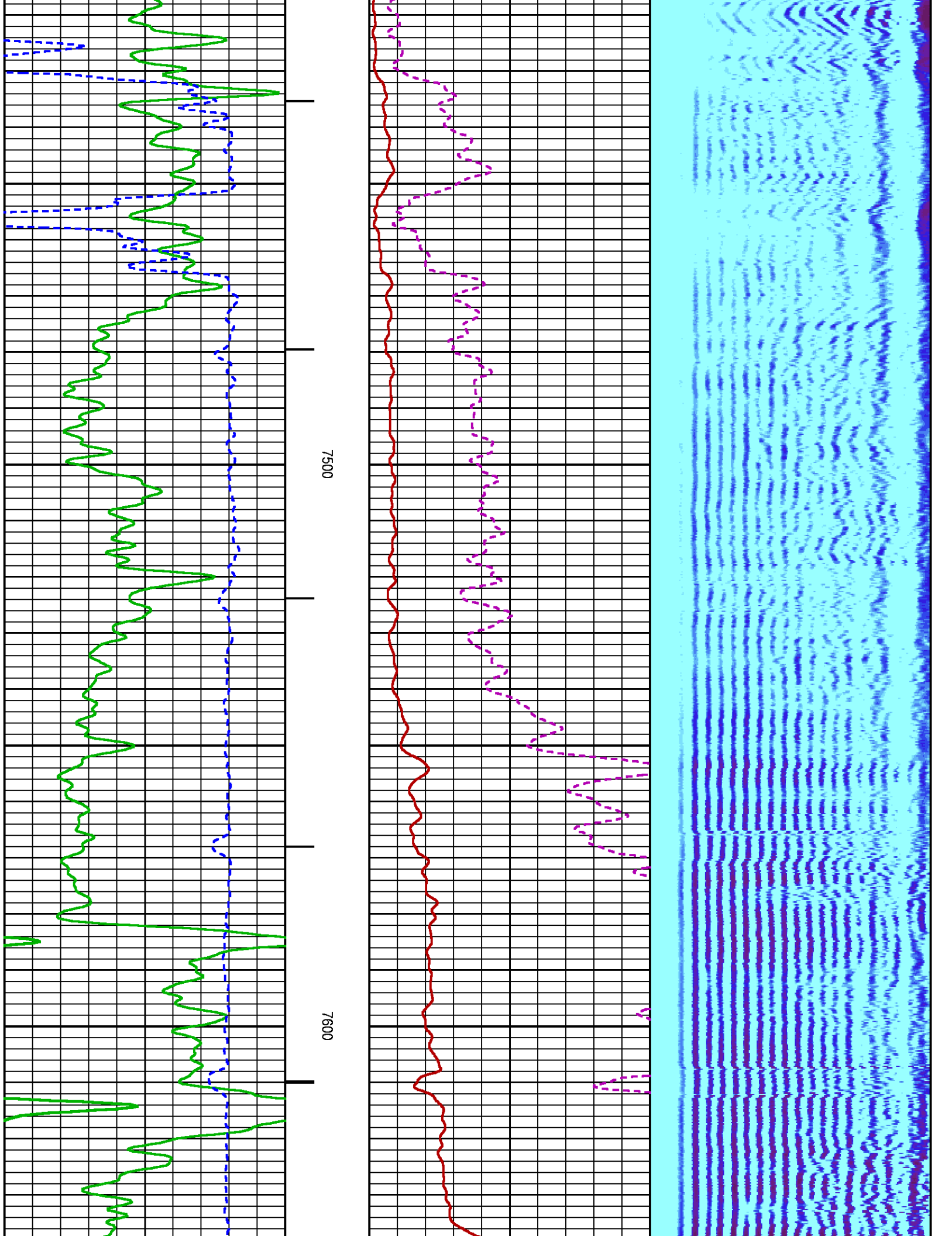


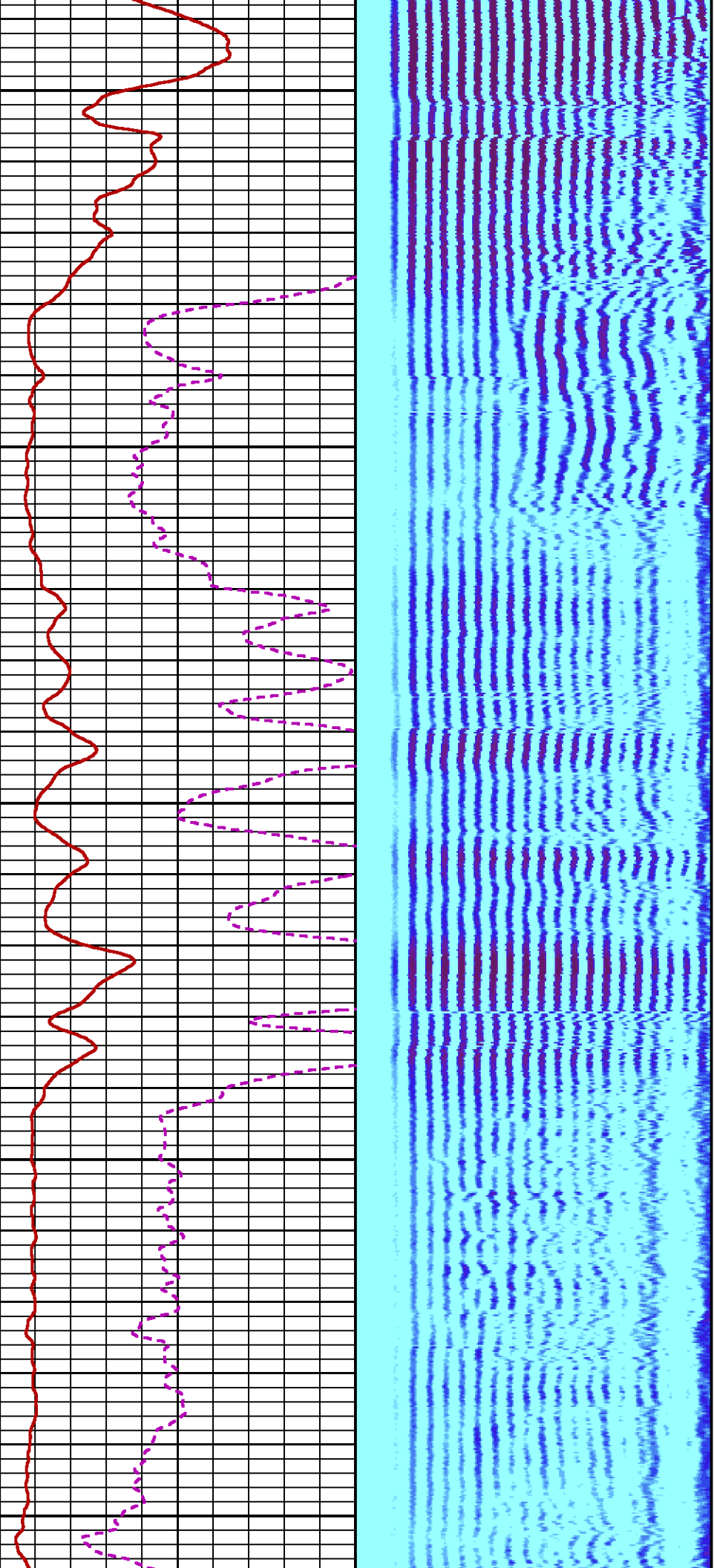






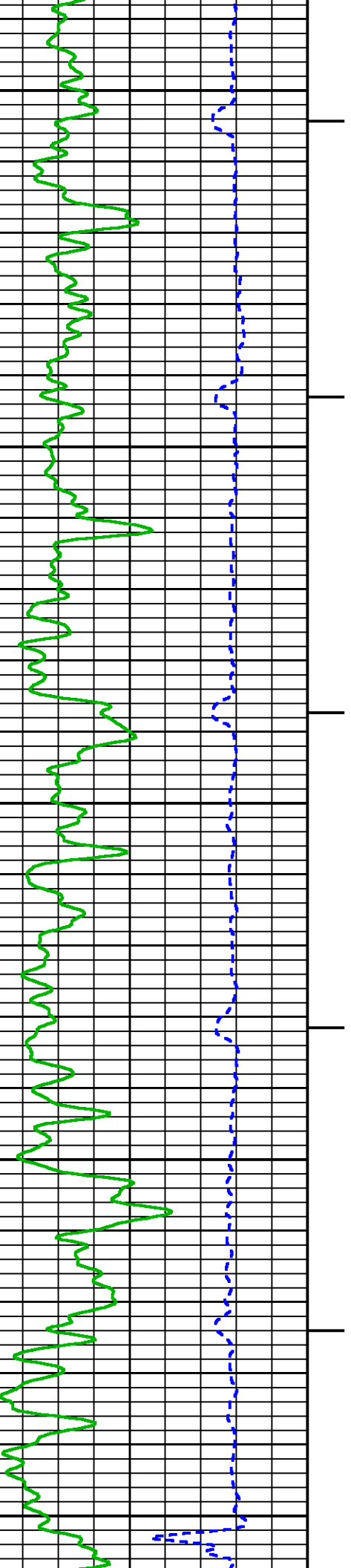


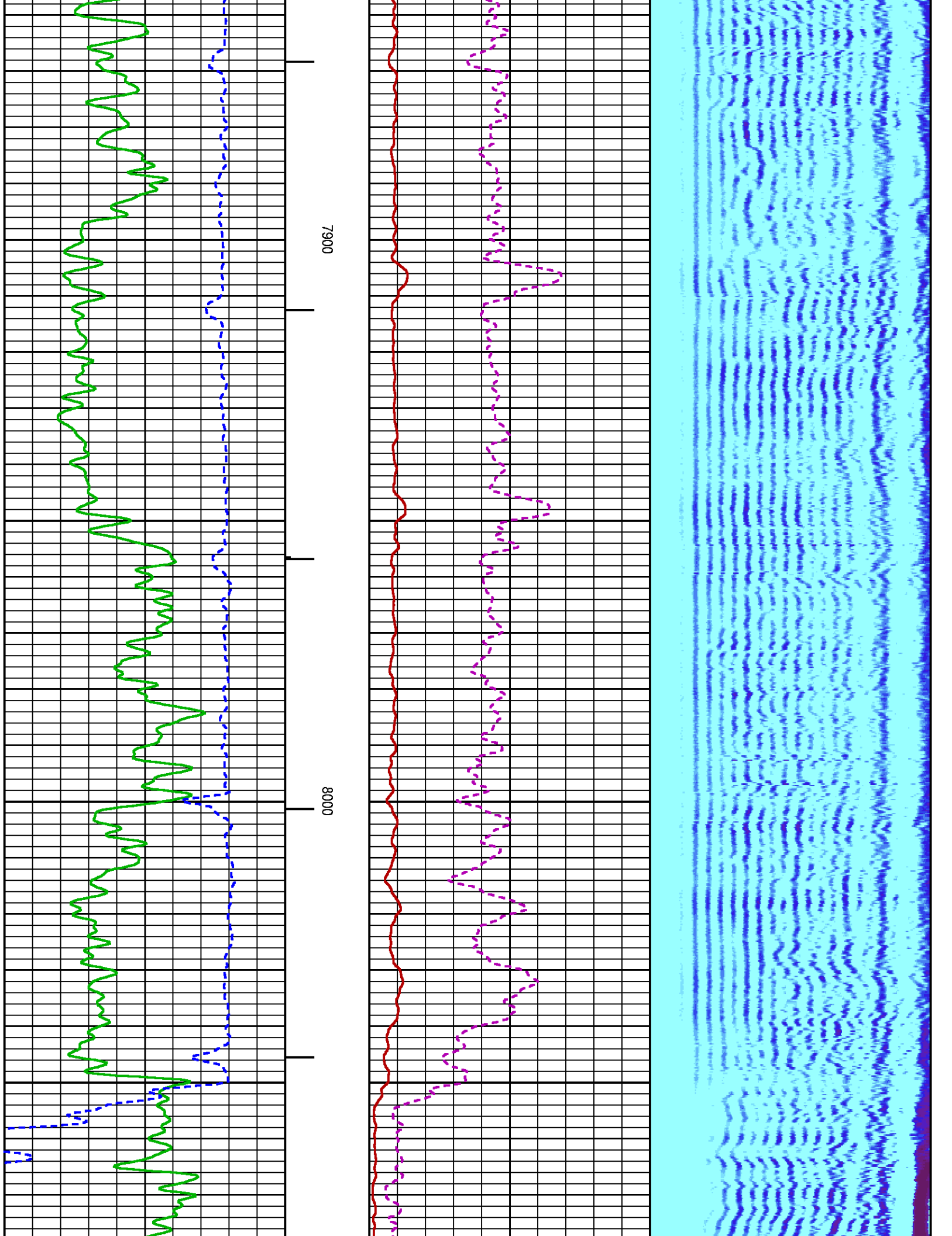


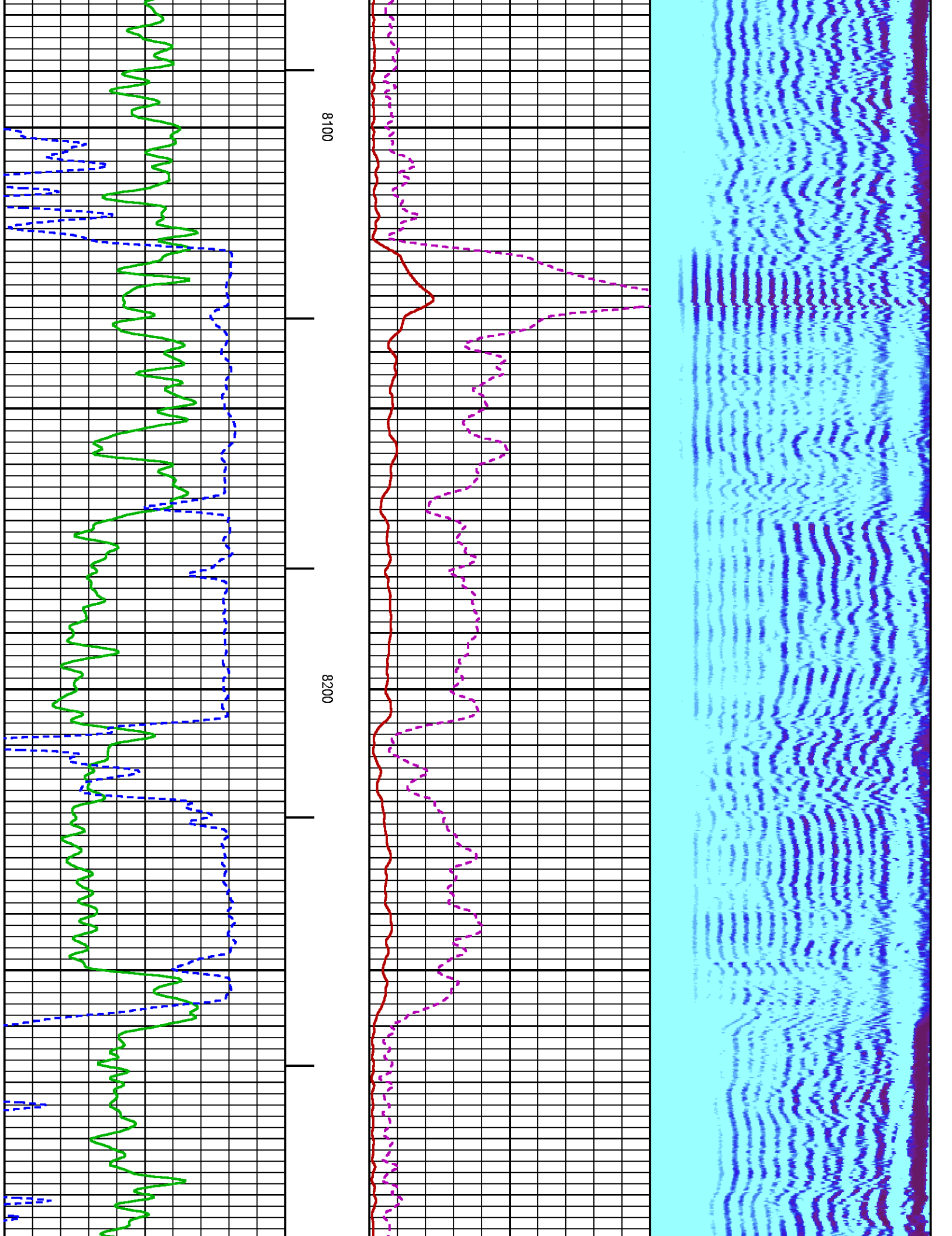


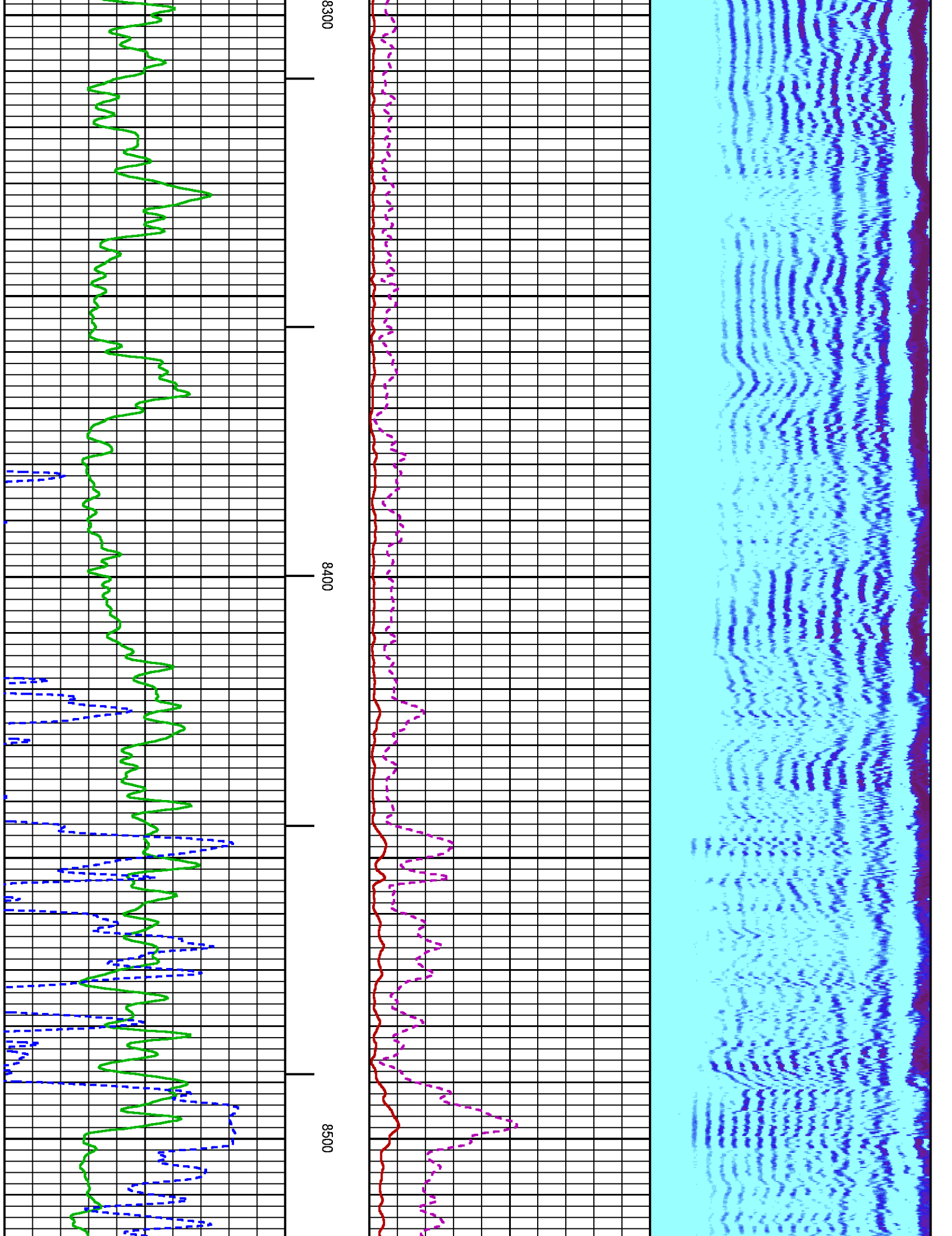
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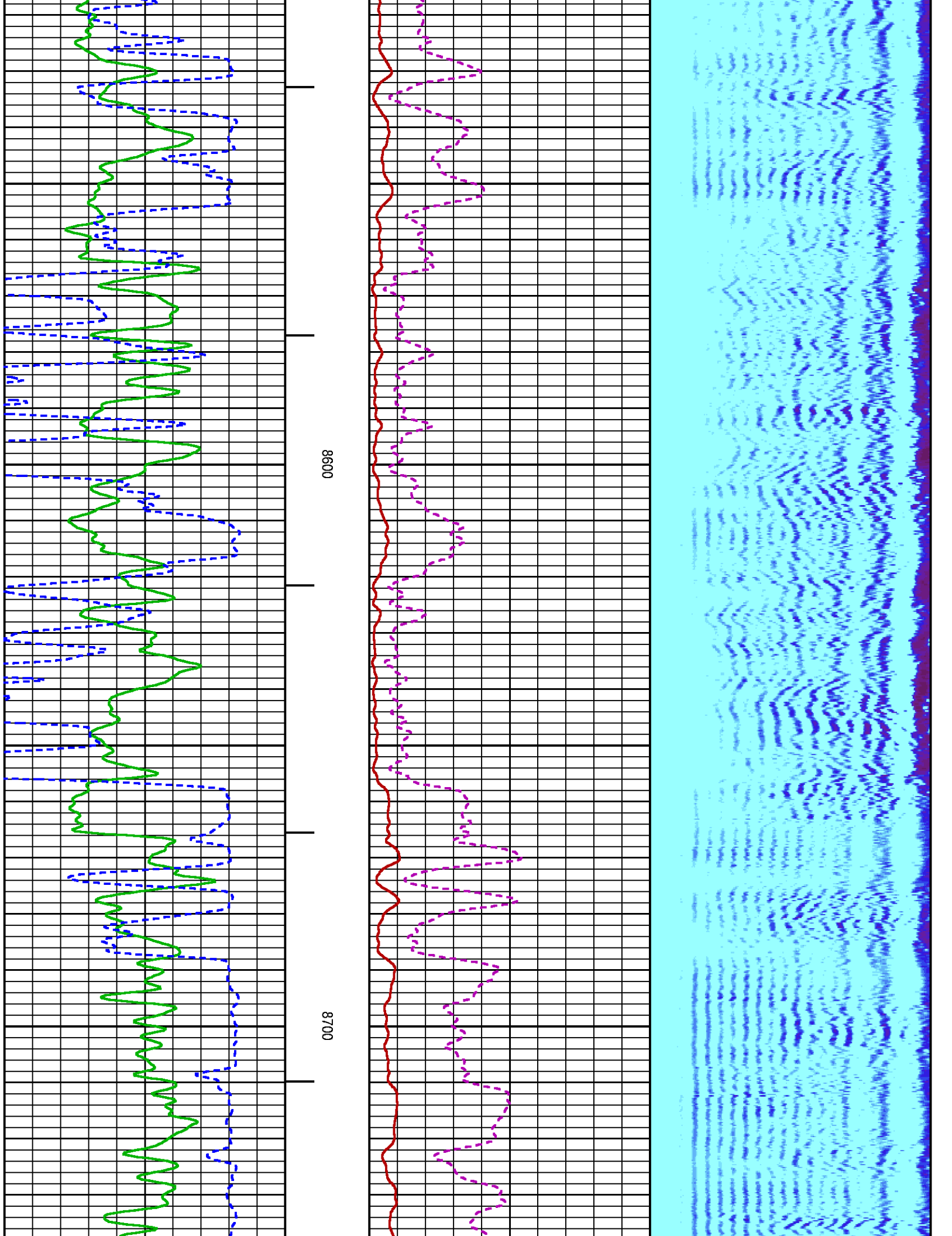
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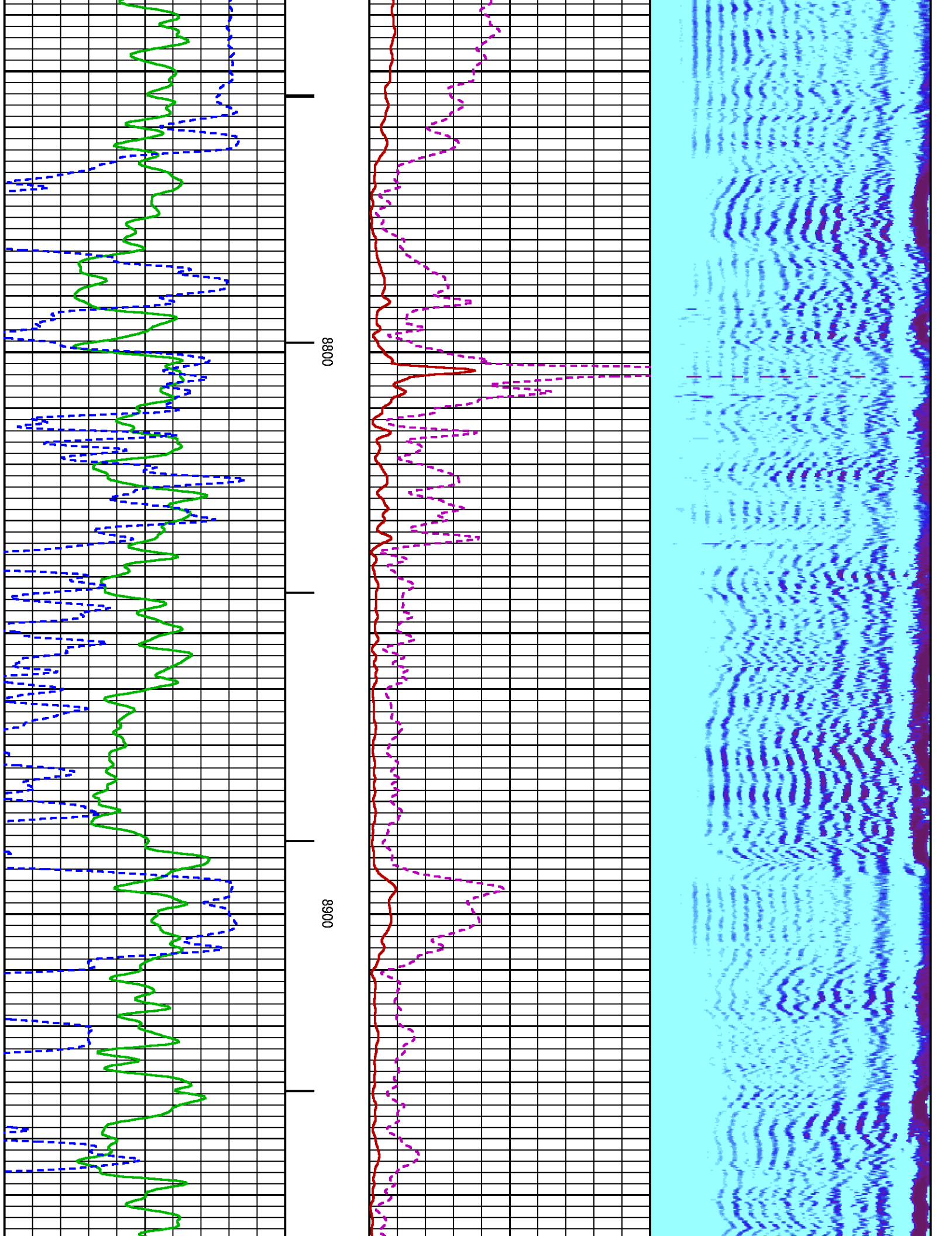


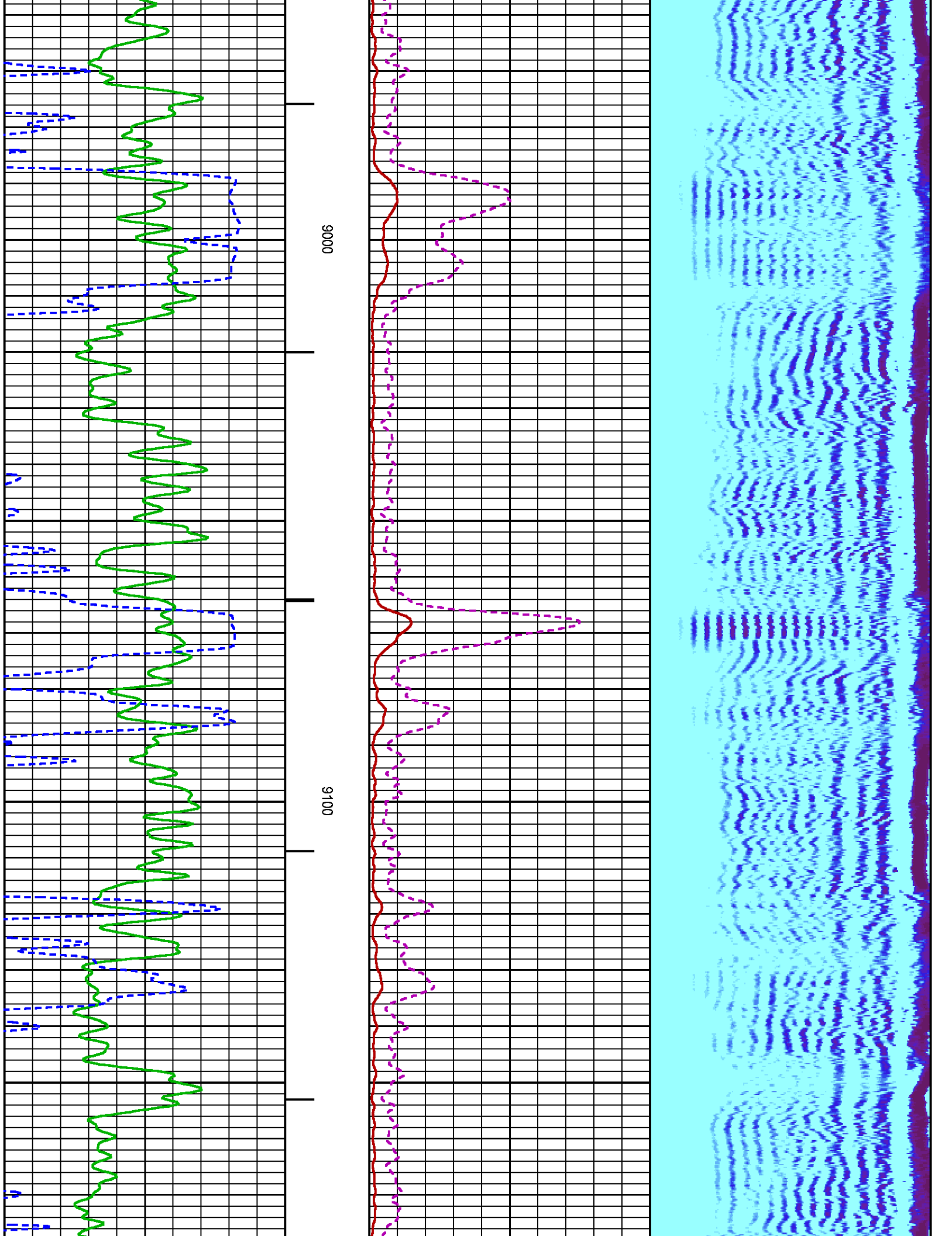


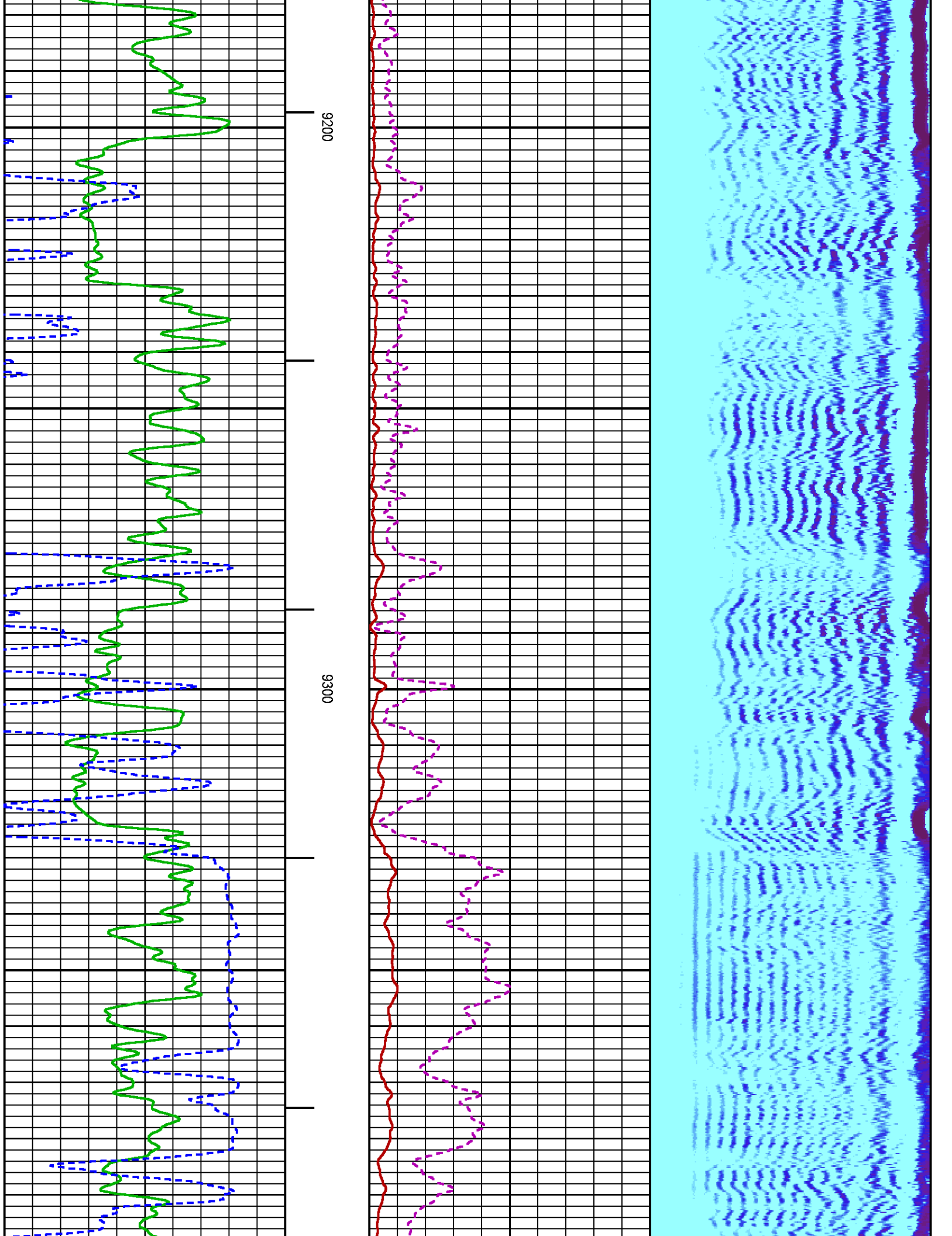


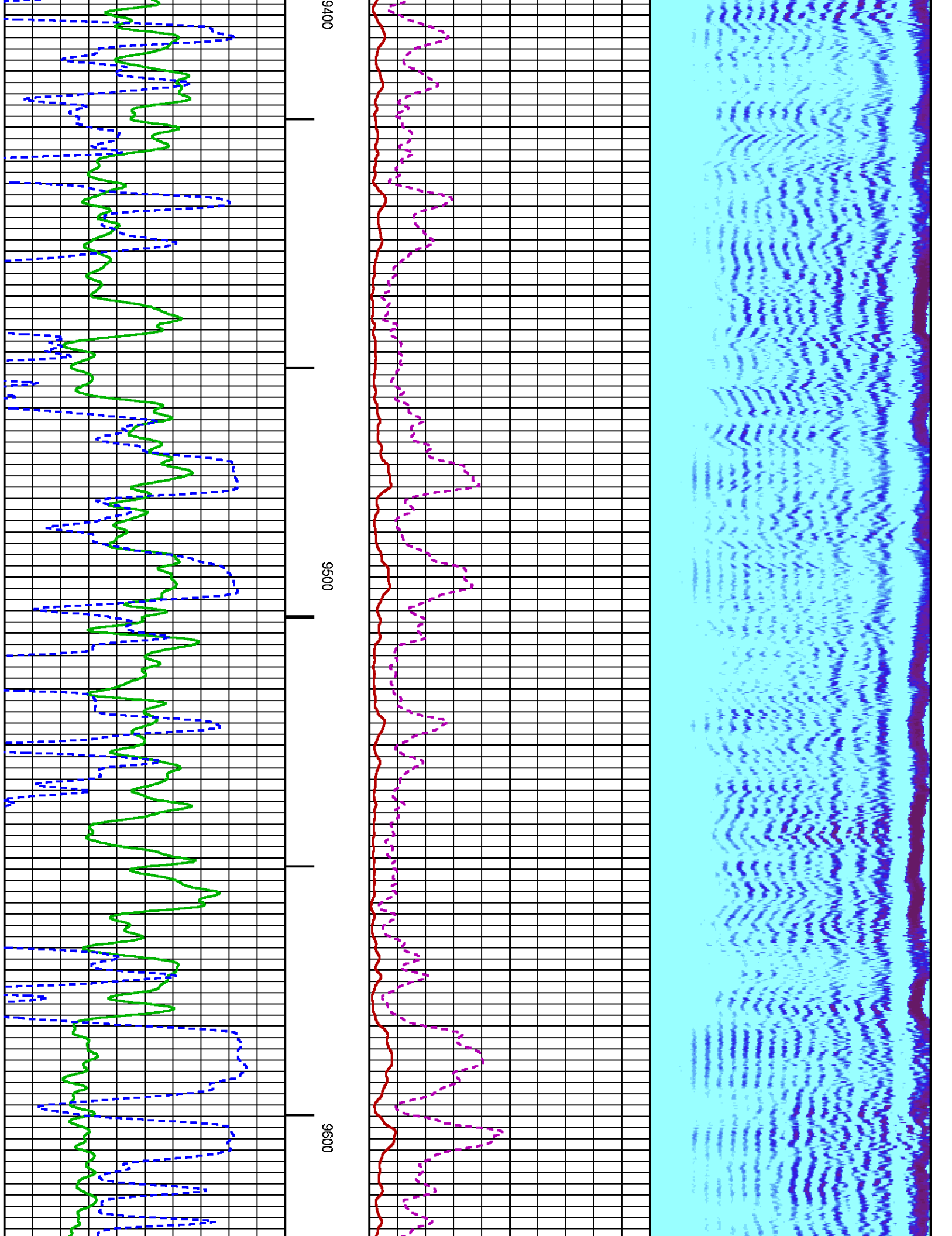


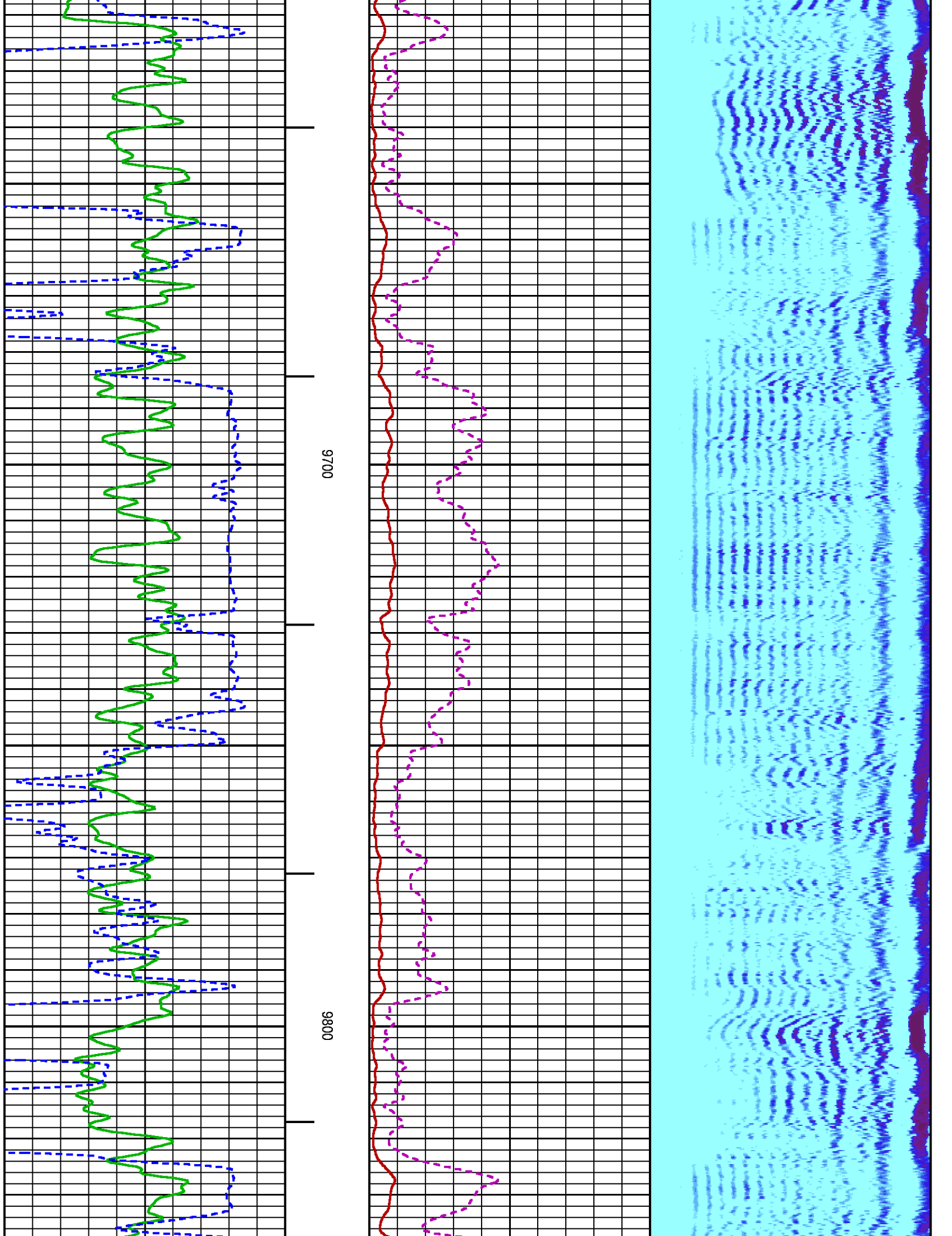


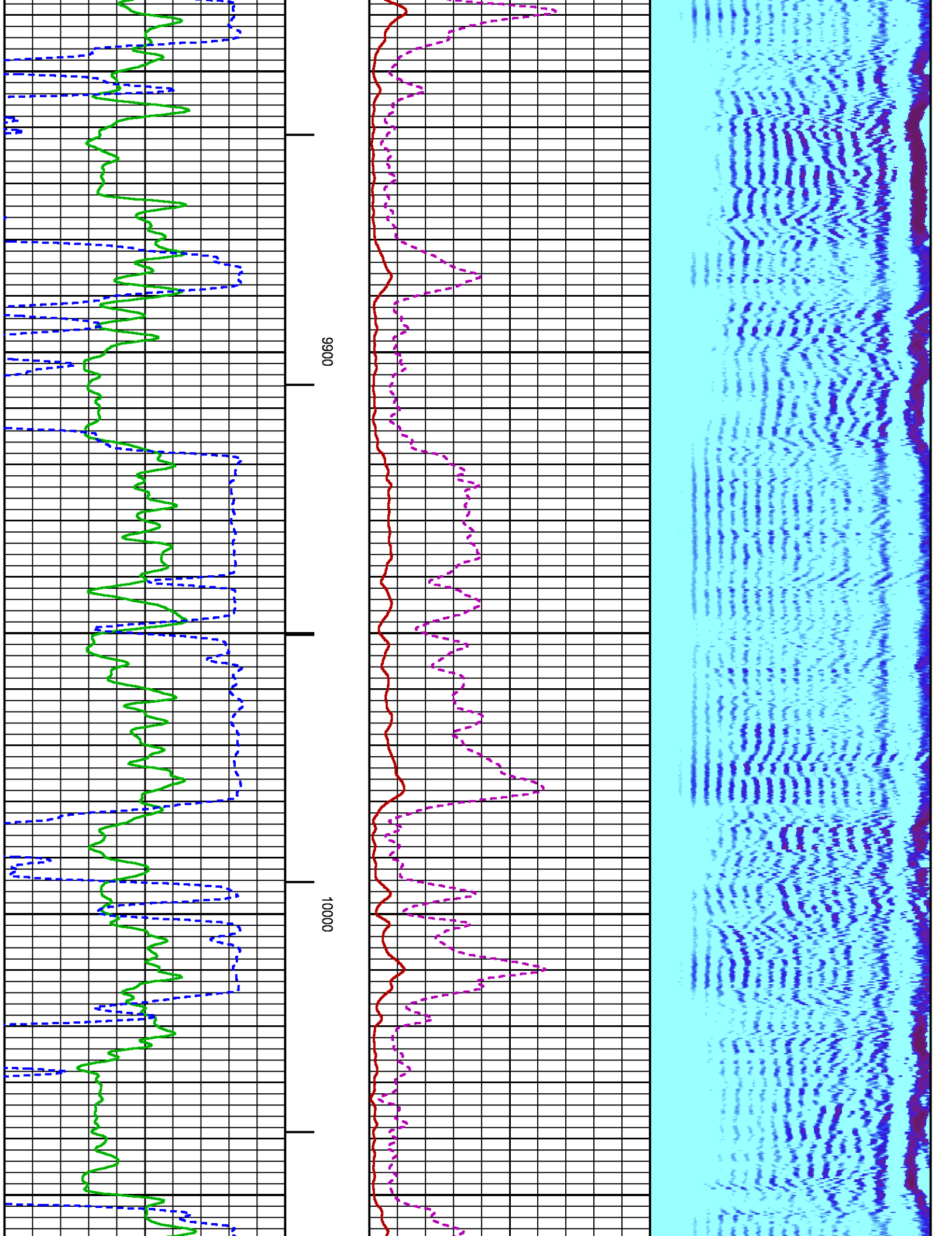


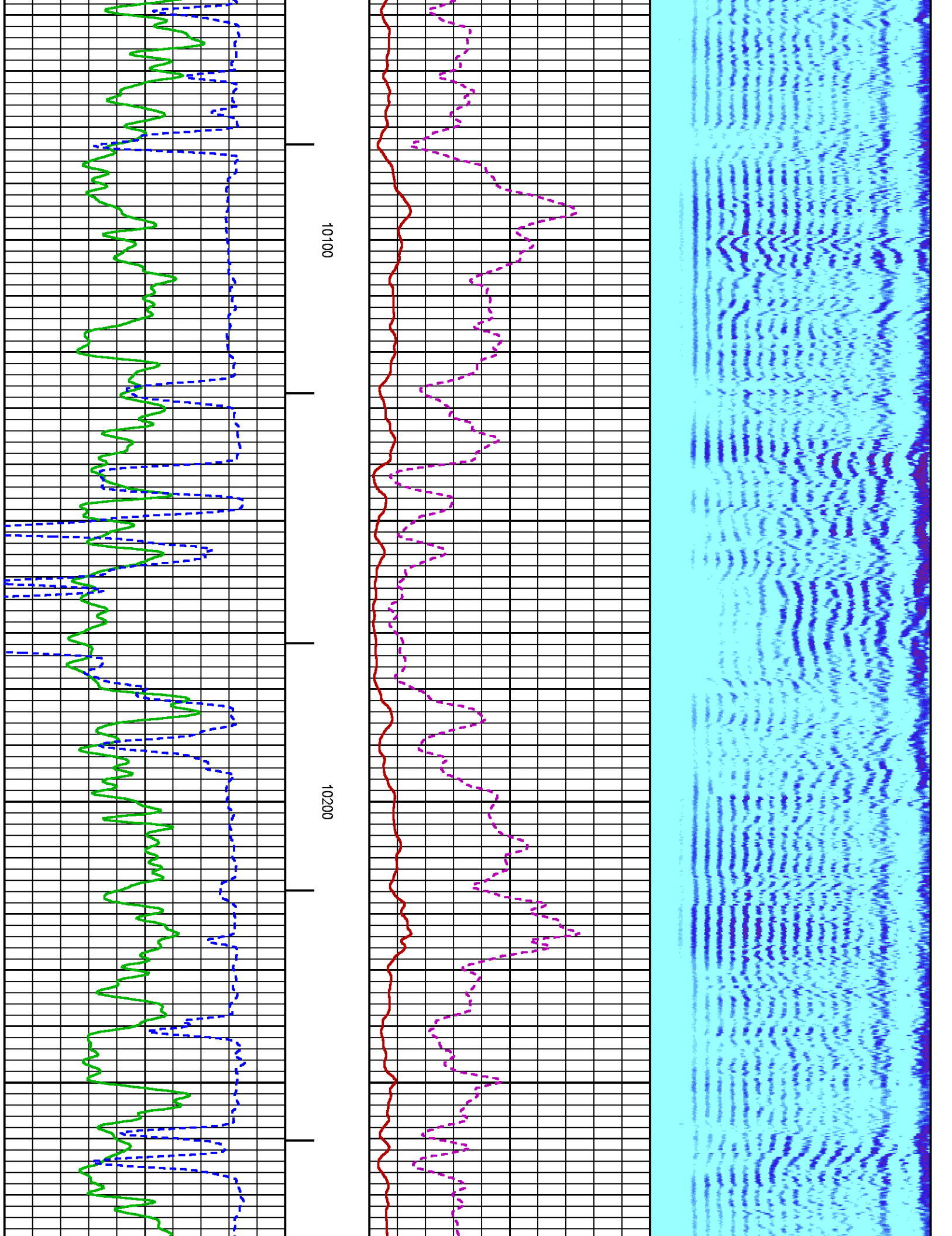


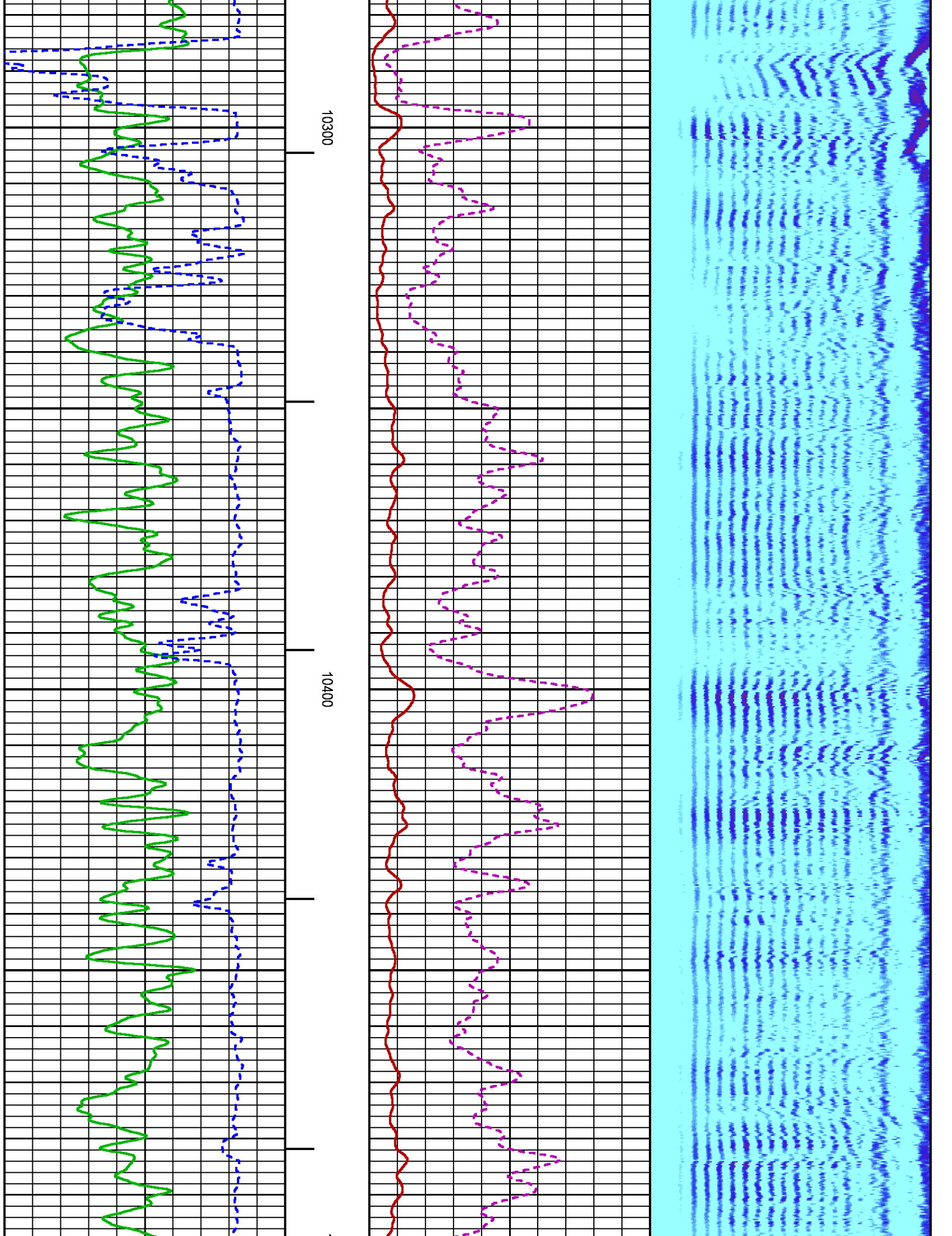


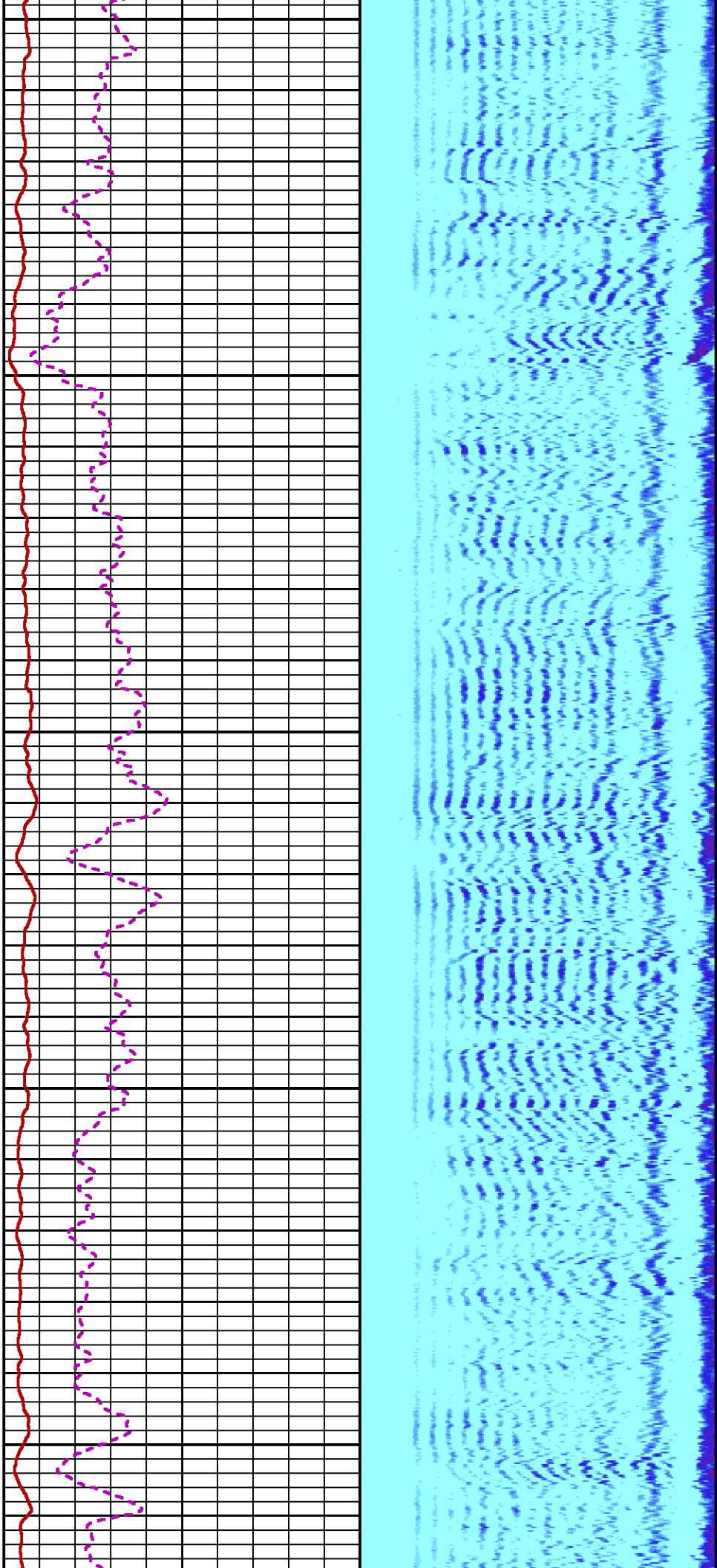








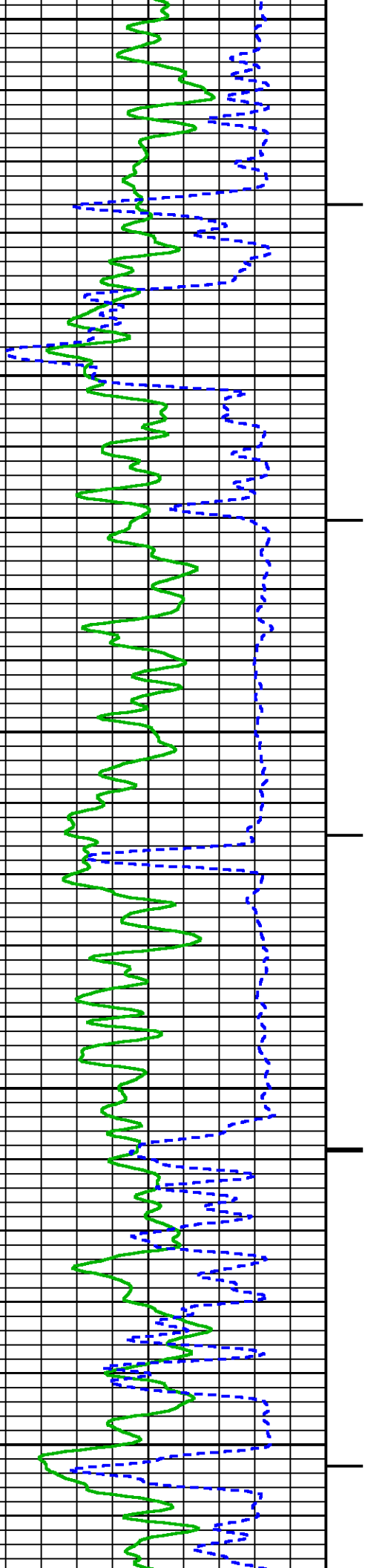


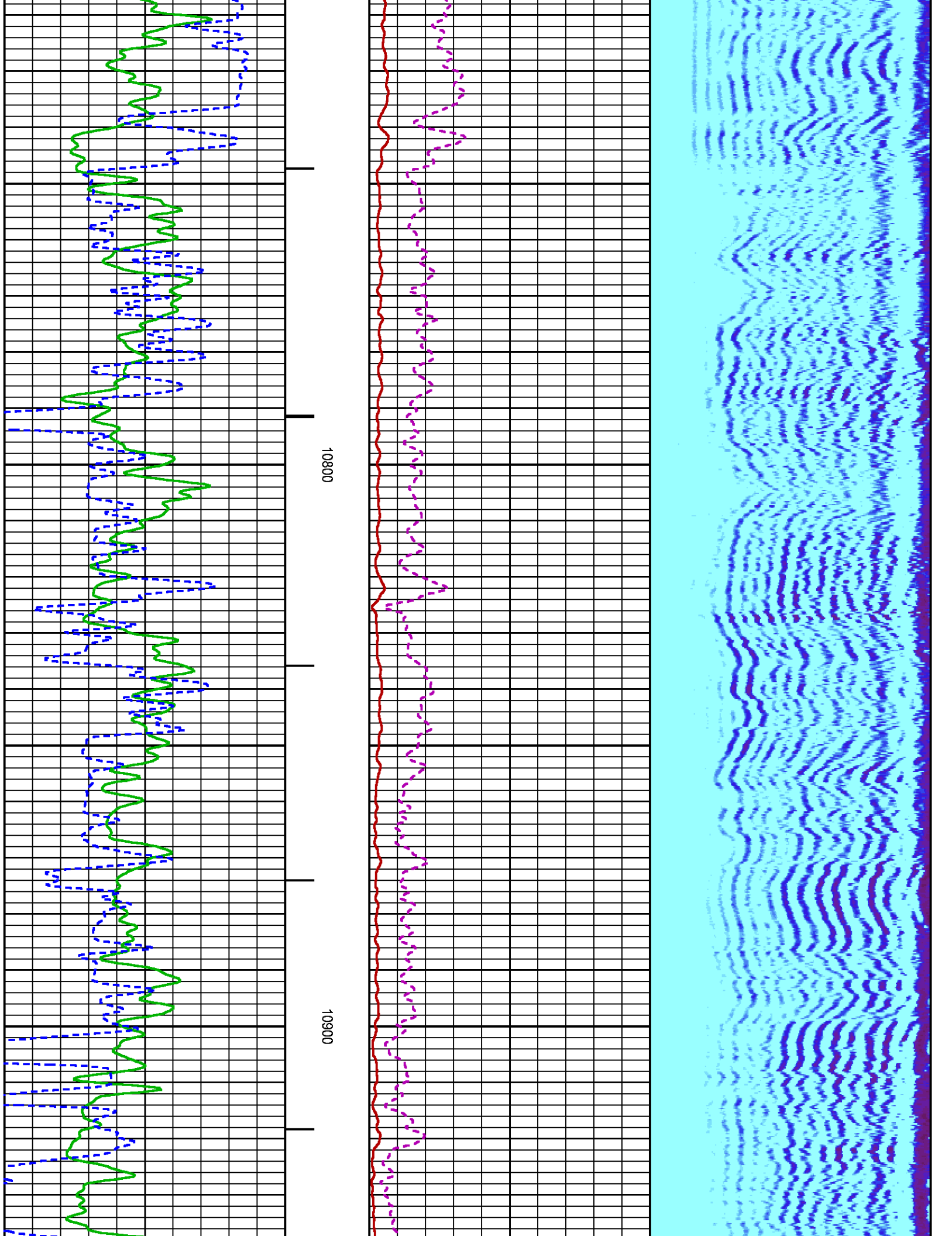


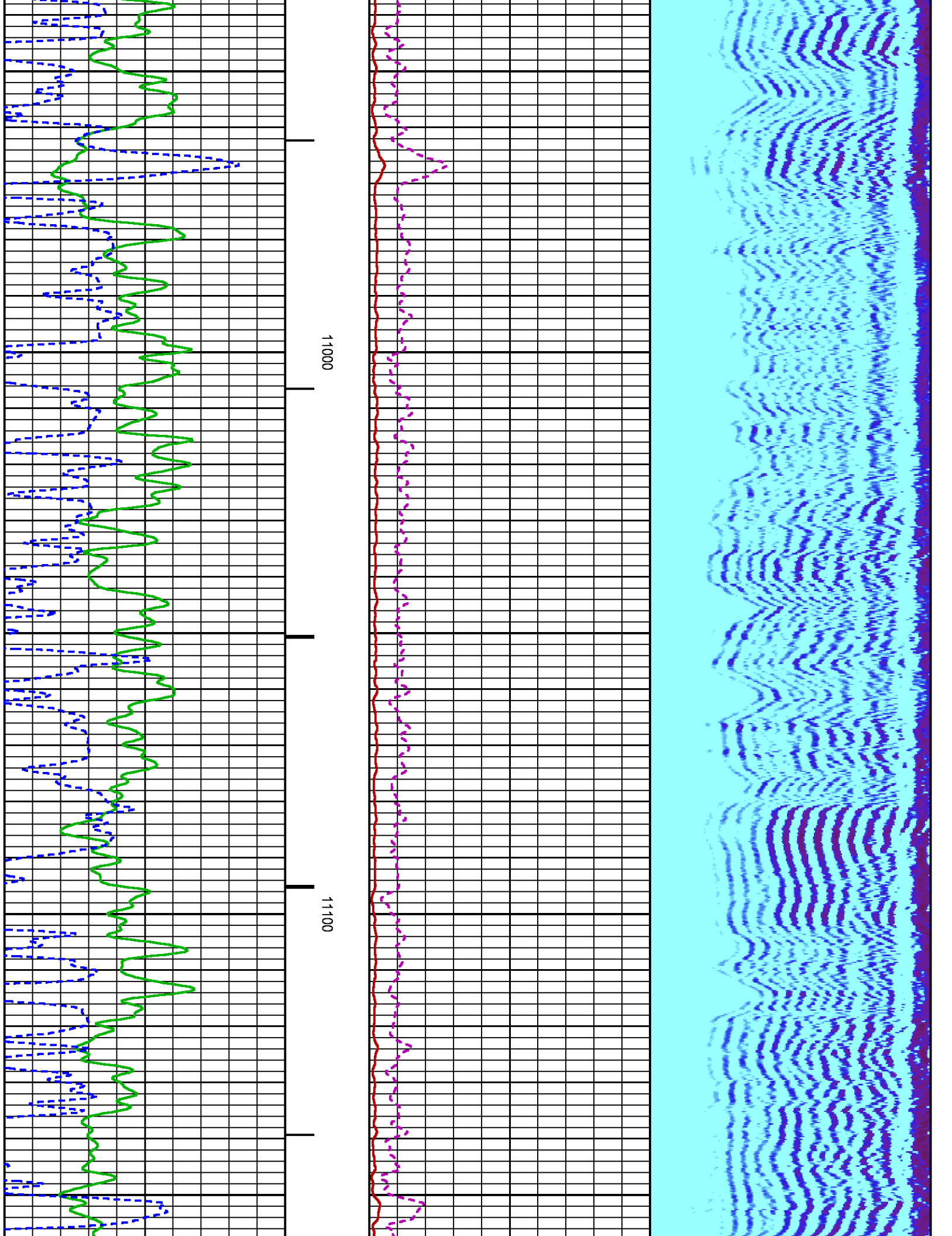
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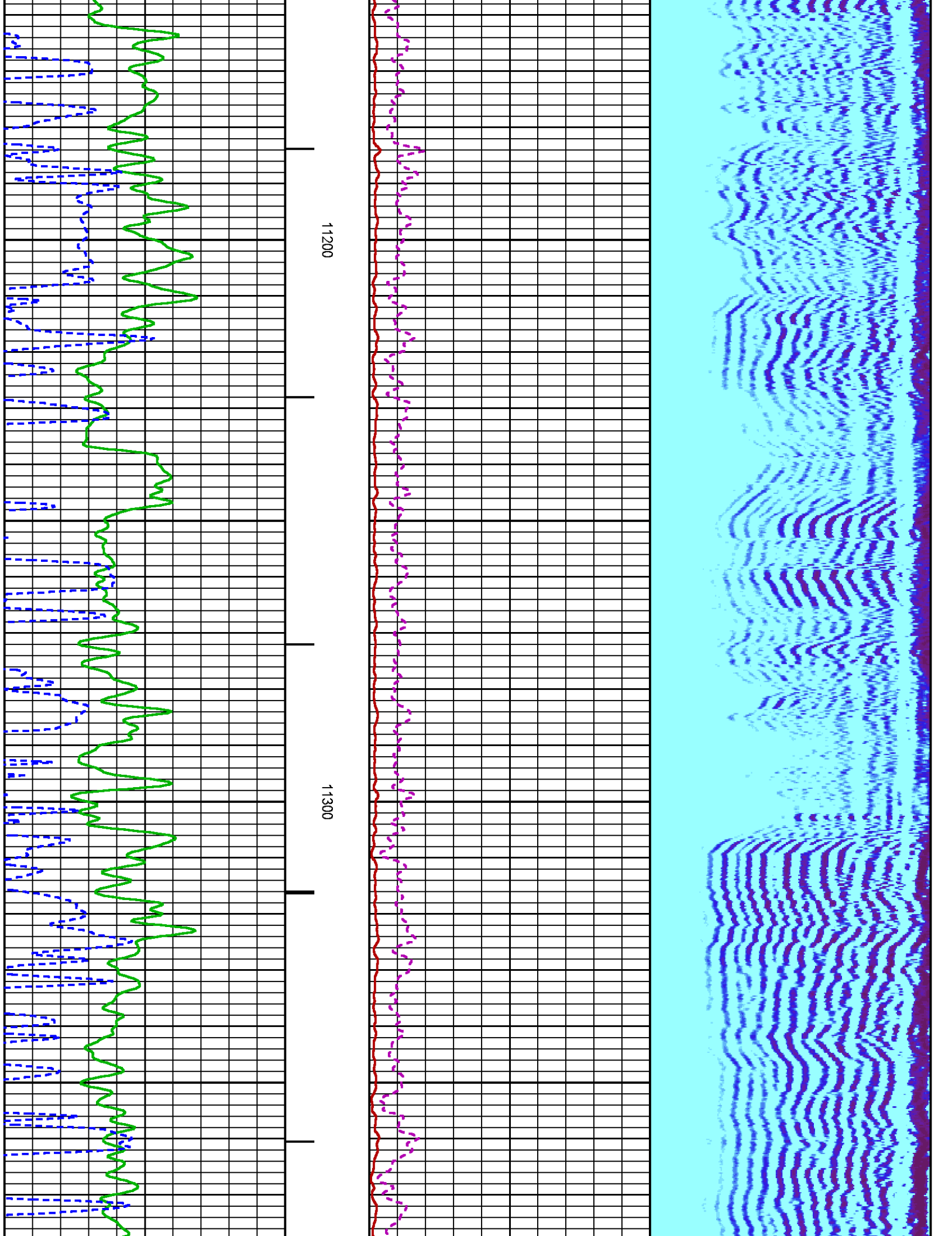
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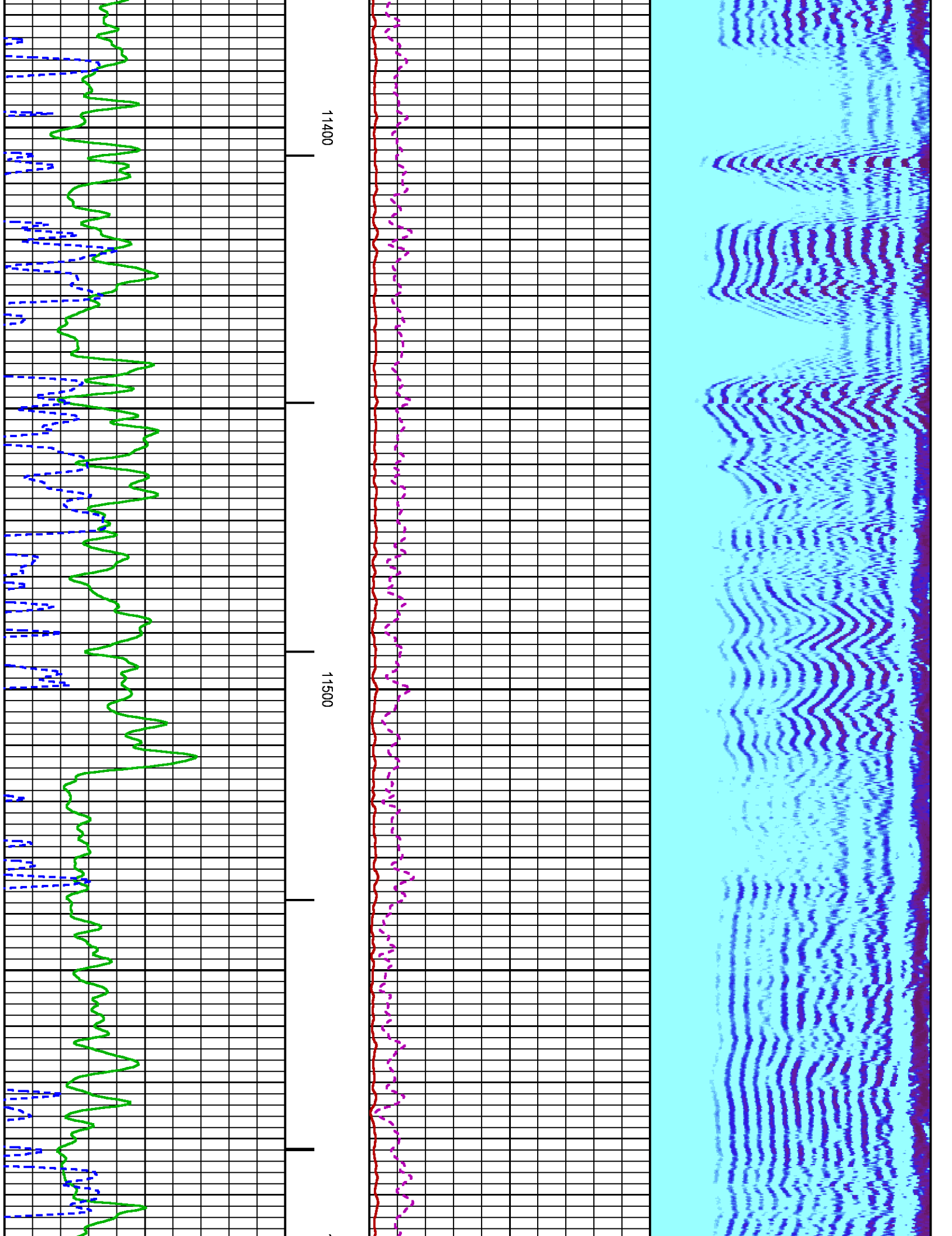
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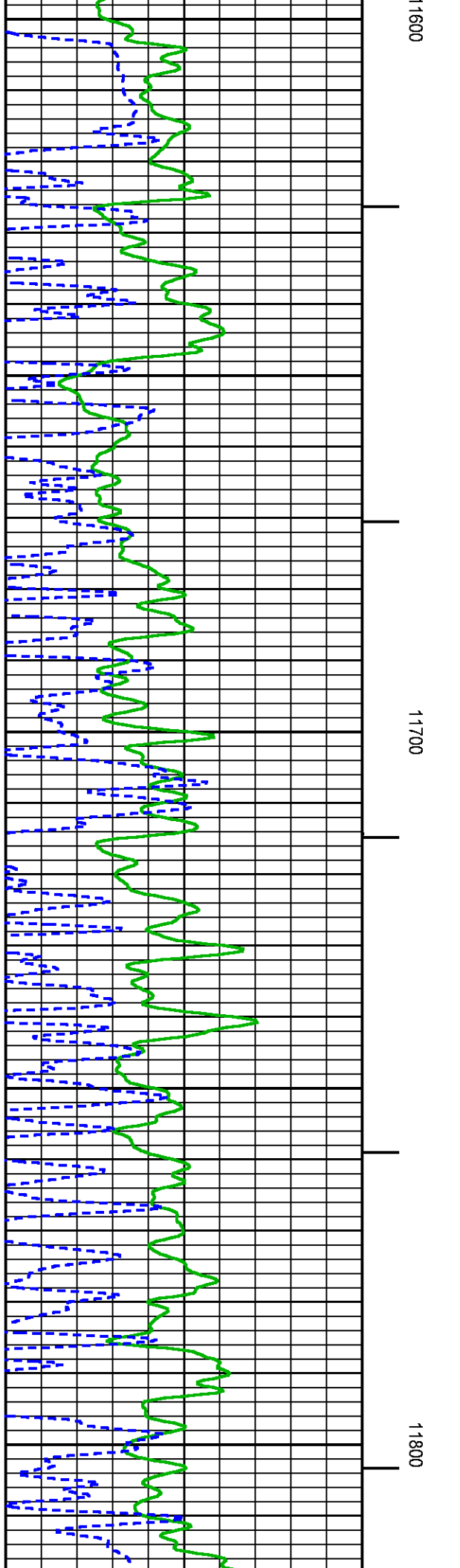
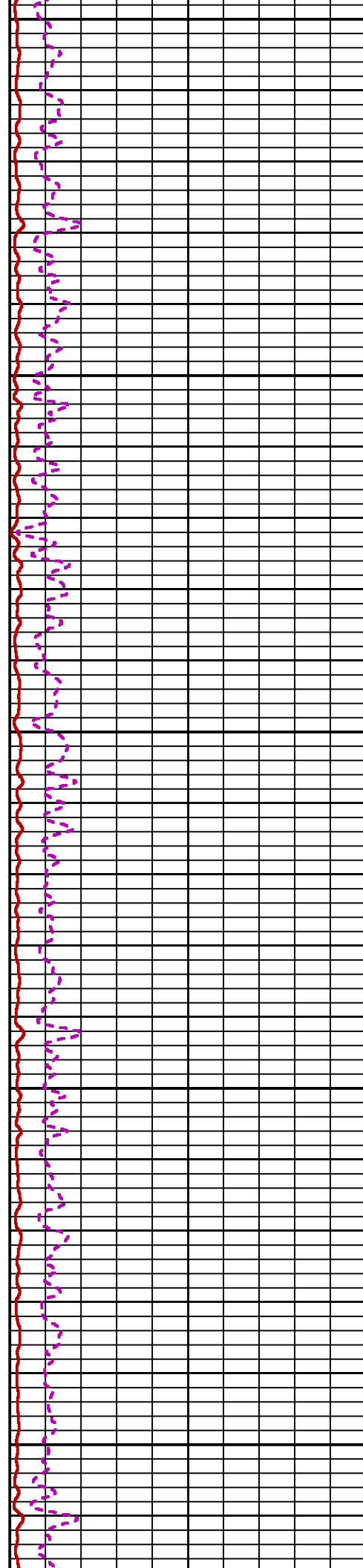
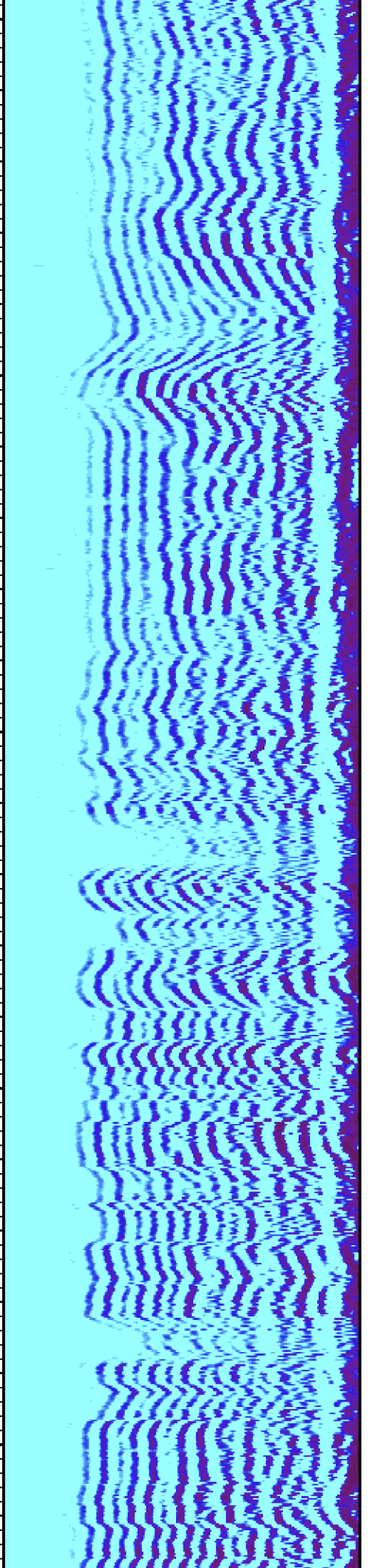


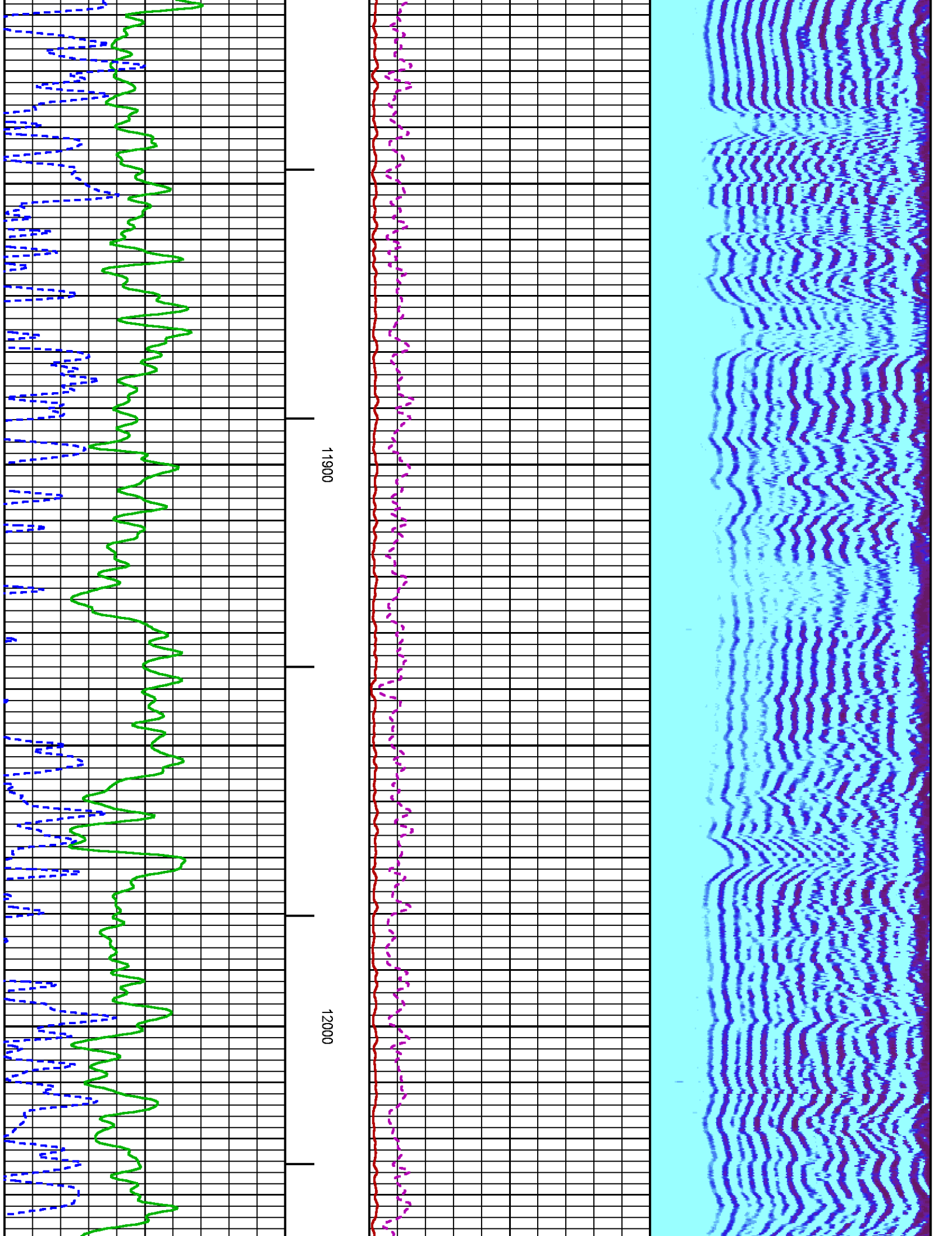


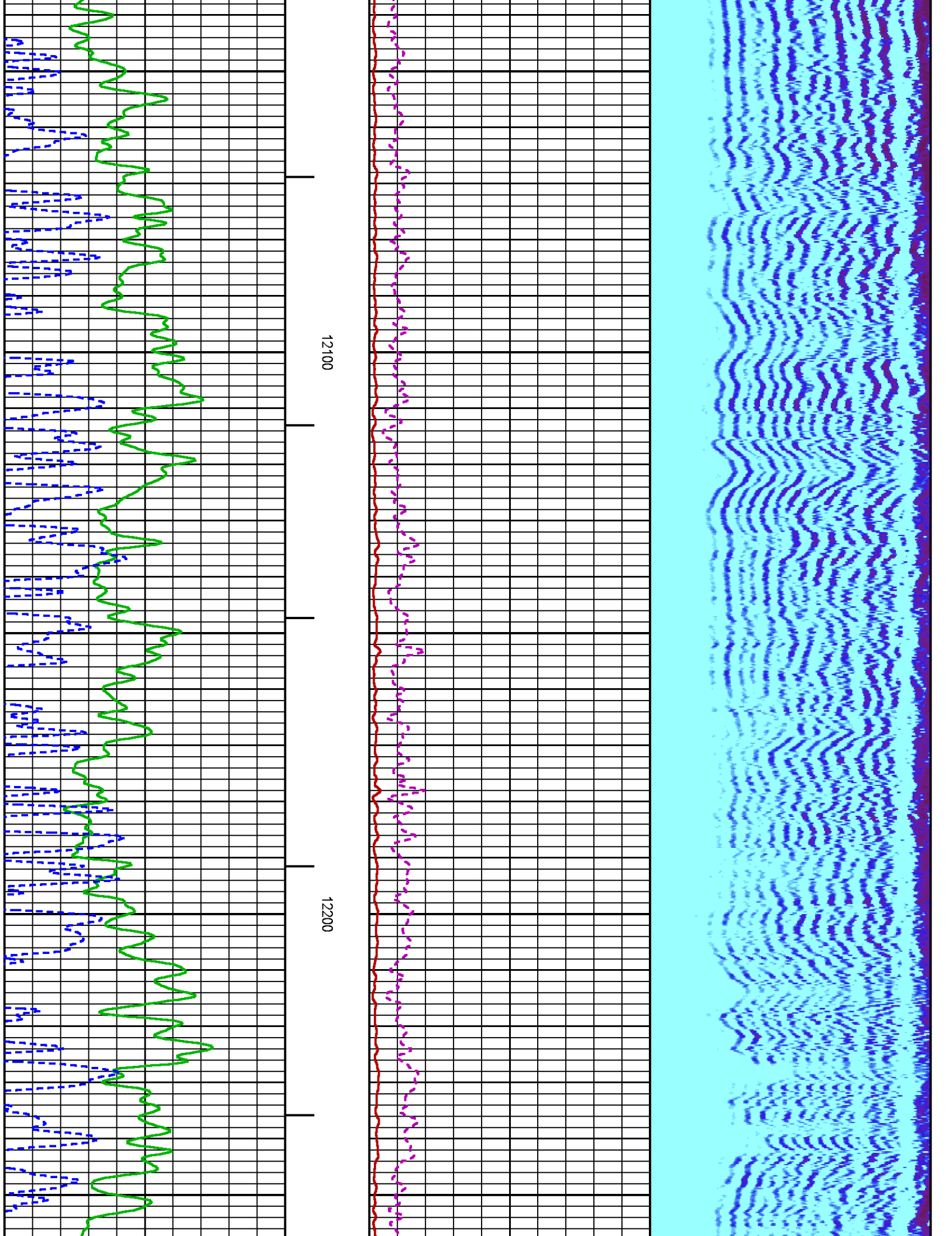


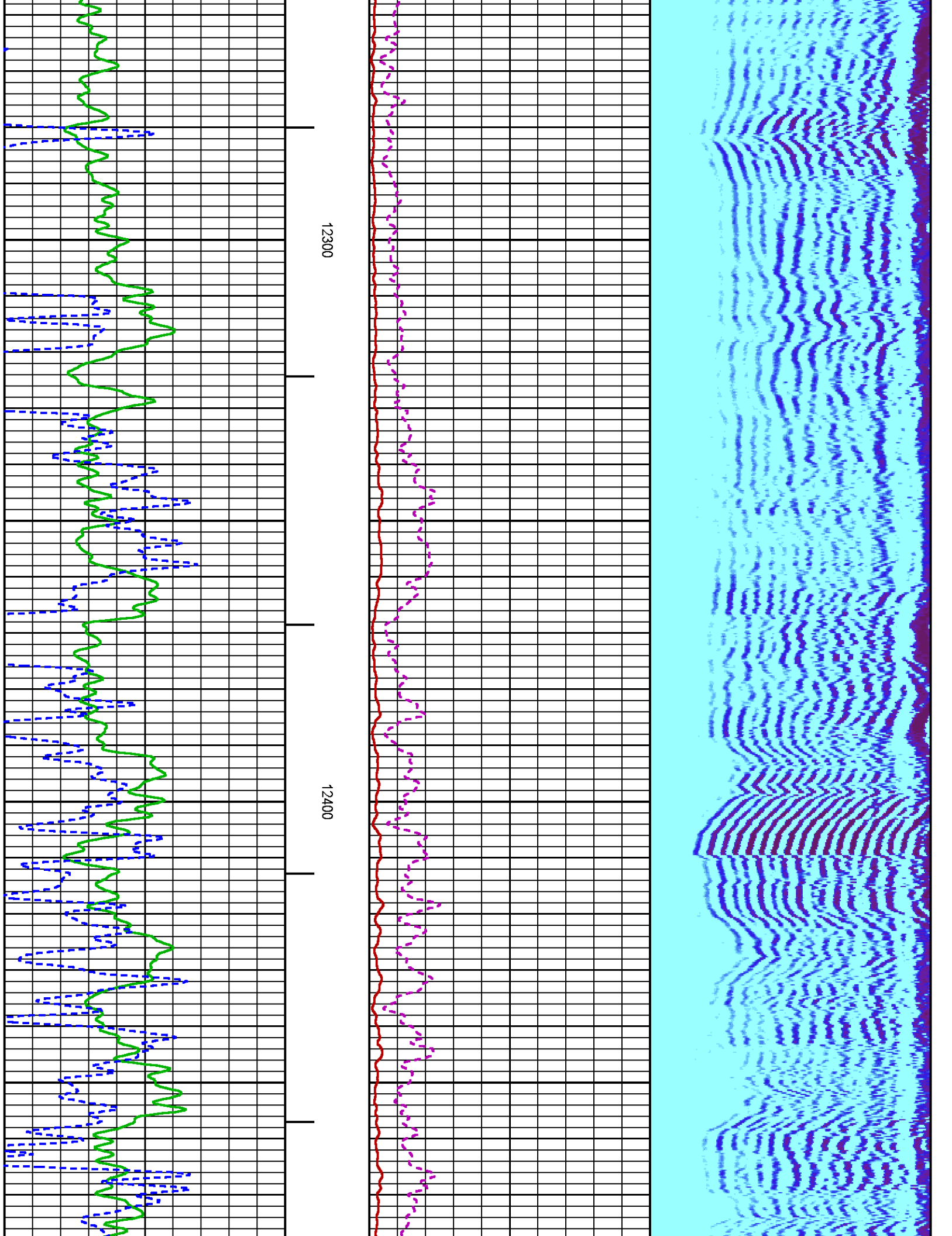


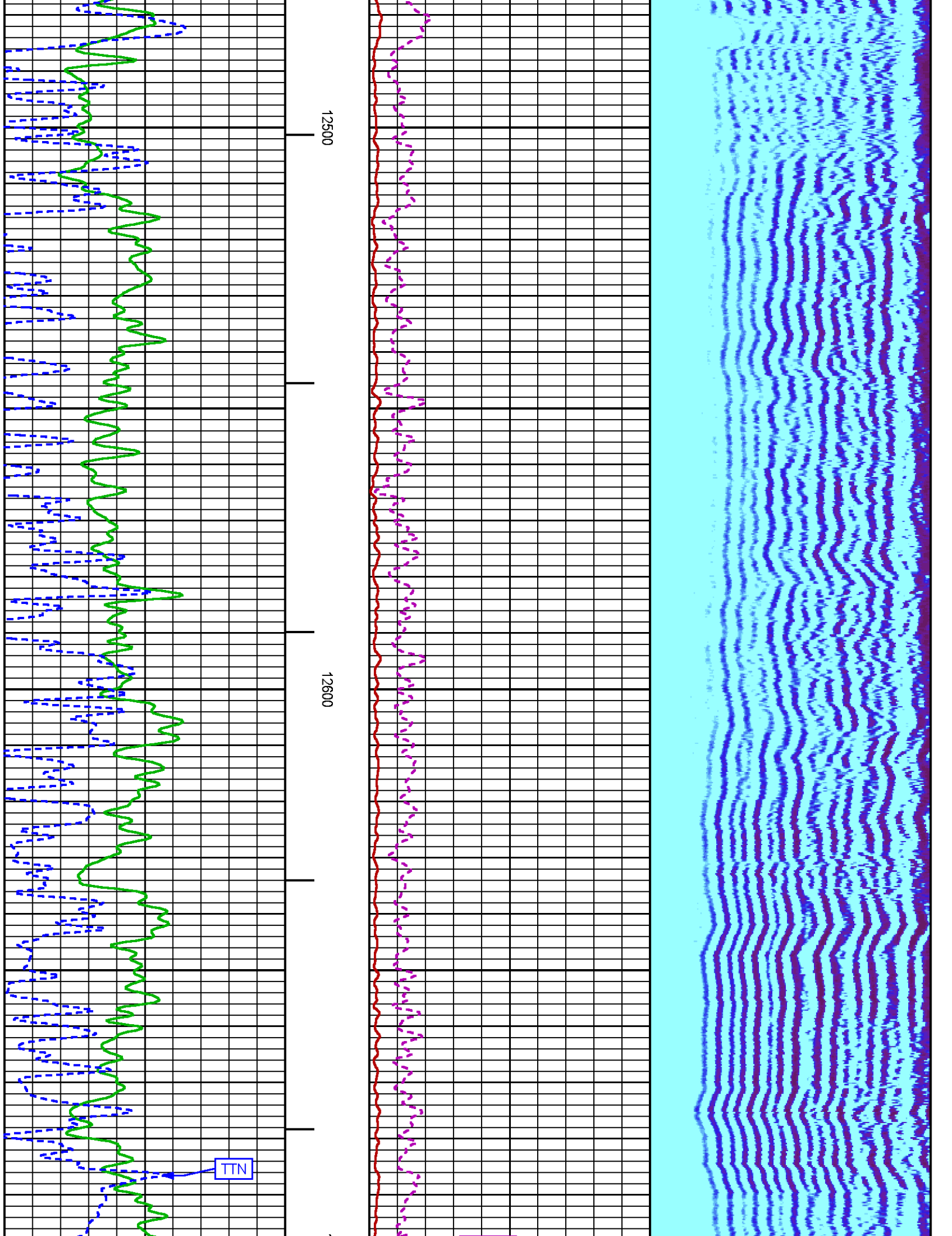


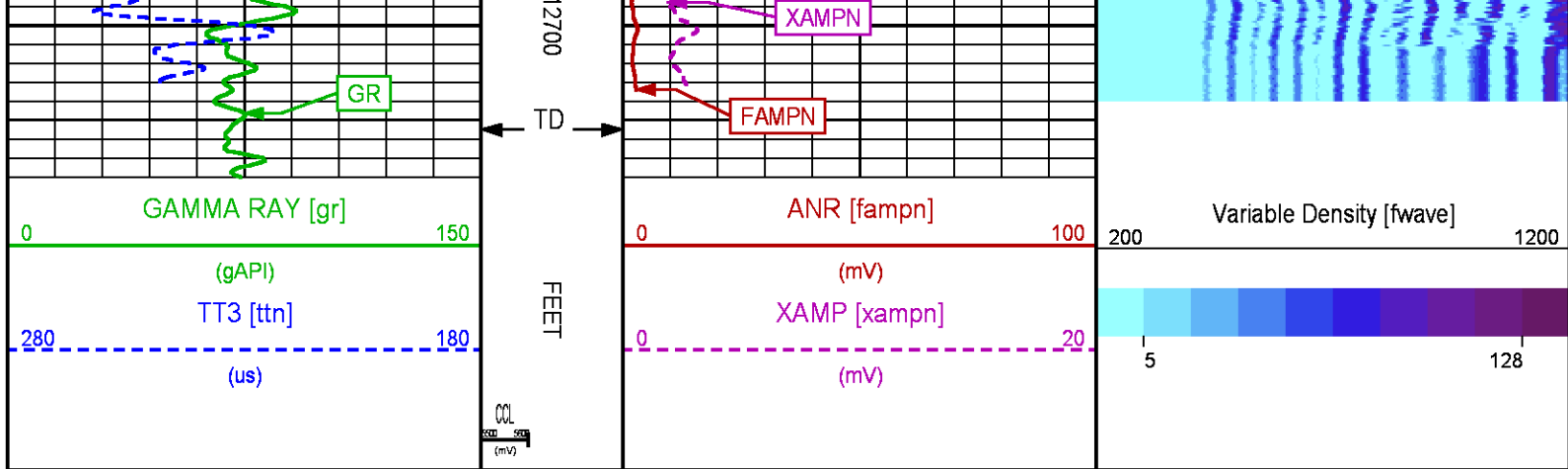












SECONDARY PRESENTATION 0 PSI

ECLIPS 6.2wu1 PC-ECLIPS General Release Rel 6.2w Update 1 Fri Apr 25 10:54:53 Central Daylight Time 2014
Updates: 46 Patches: 5

Plotted: Mon Dec 15 17:38:34 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\092546\012g02.prm
LOGGING MODE: DEPTH
TOP DEPTH: 25.250 ft
DIRECTION: UP
BOTTOM DEPTH: 12724.000 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 (fgp1*)	183	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	183	us	"	"
	AMP WINDOW START (fgp3*)	183	us	"	"
	AMP WINDOW START (fgp4*)	183	us	"	"
	AMP WINDOW START (fgp5*)	183	us	"	"
	AMP WINDOW START (fgp6*)	183	us	"	"
	AMP WINDOW START (fgp7*)	183	us	"	"
	AMP WINDOW START (fgp8*)	183	us	"	"
	AMP WINDOW START (fgpn*)	183	us	"	"
	AMP WINDOW LENGTH	251	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	175	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*)	-70	us	"	"
	TOOL DELAY (str2*)	-70	us	"	"
	TOOL DELAY (str3*)	-70	us	"	"
	TOOL DELAY (str4*)	-70	us	"	"
	TOOL DELAY (str5*)	-70	us	"	"

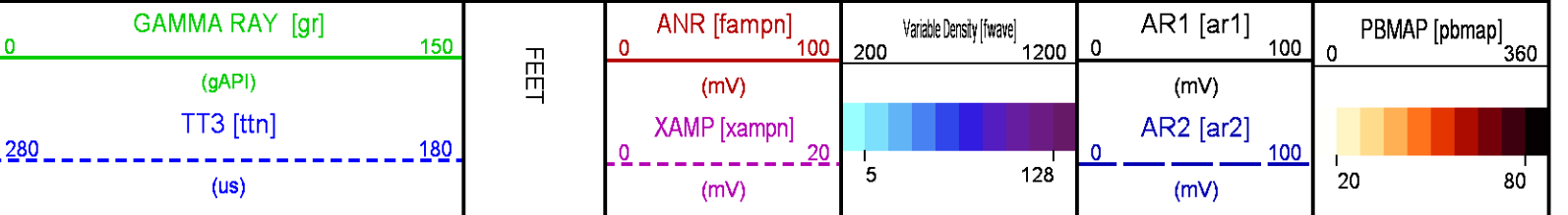
	TOOL DELAY (str5*)	-70	us	"	"
	TOOL DELAY (str6*)	-70	us	"	"
	TOOL DELAY (str7*)	-70	us	"	"
	TOOL DELAY (str8*)	-70	us	"	"
	TOOL DELAY (strn*)	-70	us	"	"
BASLINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

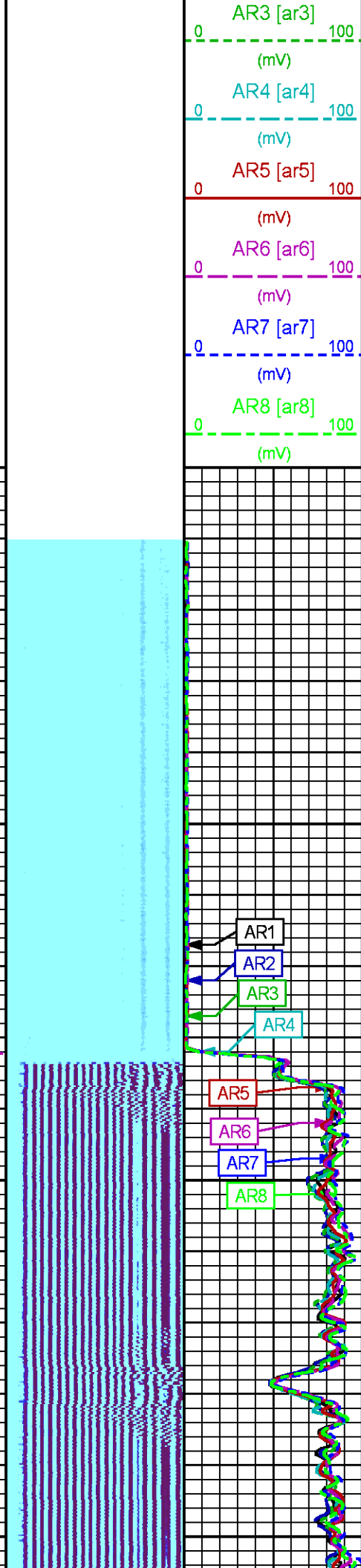
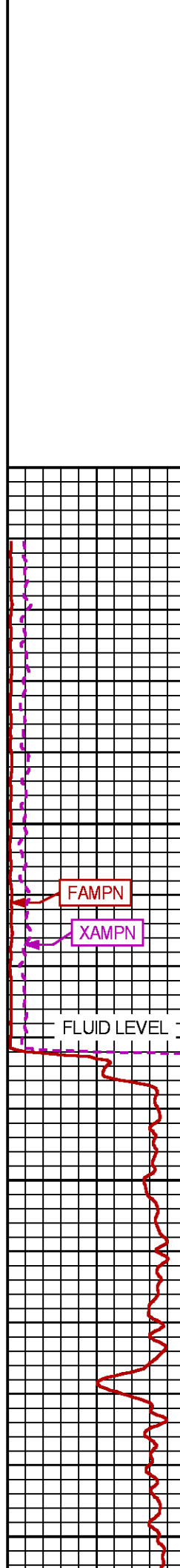
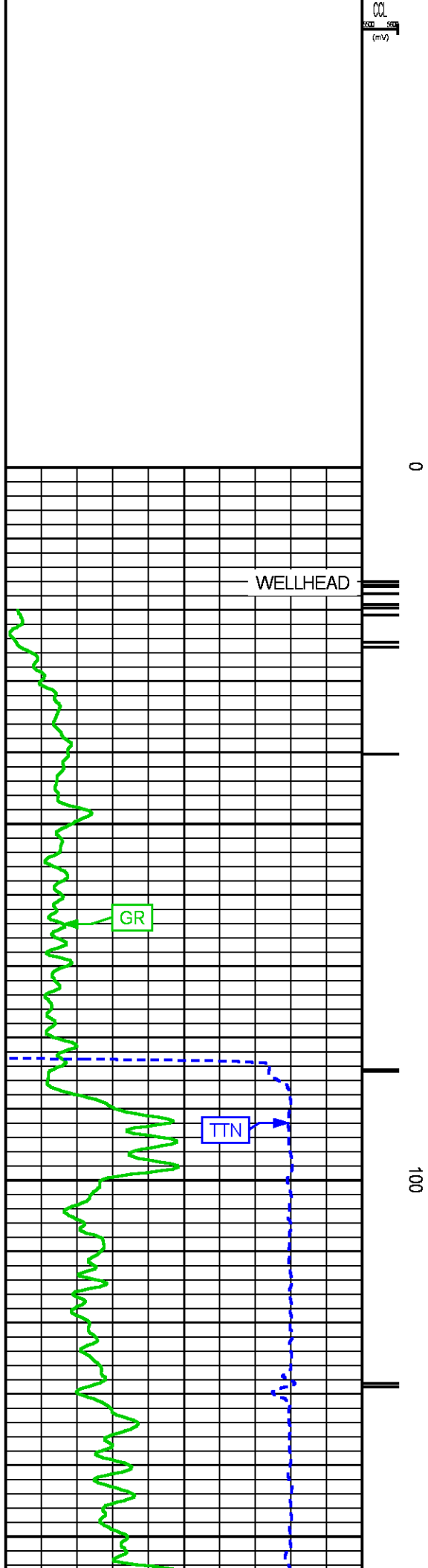
PERCENT BOND CEMENT MAP					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE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

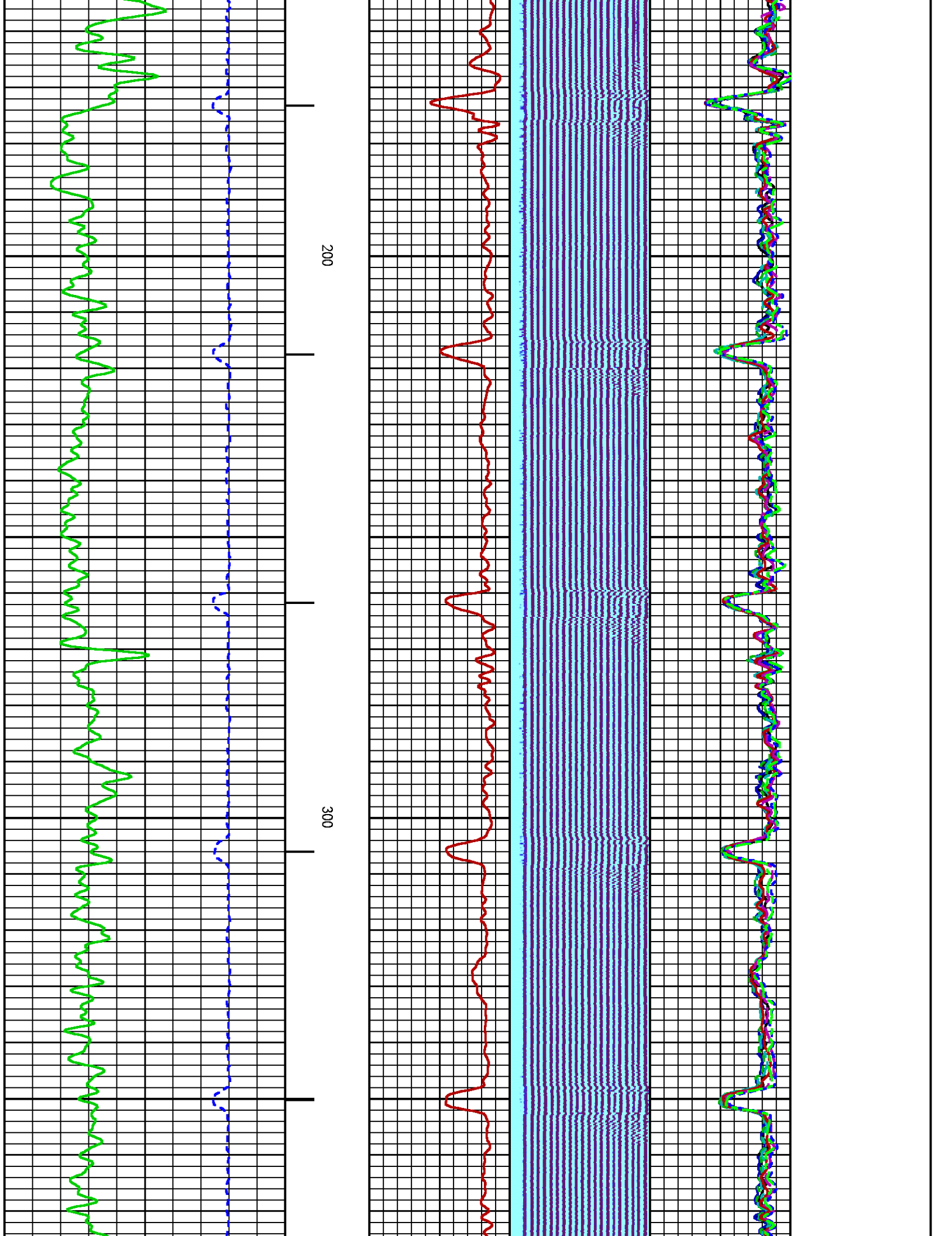
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE T-R1
F1:AR2	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE T-R2
F1:AR3	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE T-R3
F1:AR4	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE T-R4
F1:AR5	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE T-R5
F1:AR6	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE T-R6
F1:AR7	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE T-R7
F1:AR8	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE T-R8
F1:CCL	Dec 15 11:49:45 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 15 17:26:00 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 15 11:49:45 2014	FAR WAVE FORM
F1:GR	Dec 15 11:49:45 2014	GAMMA RAY
F1:PBMAP	Dec 15 11:49:45 2014	PERCENT BOND CEMENT MAP
F1:TTN	Dec 15 11:49:45 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 15 11:49:45 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

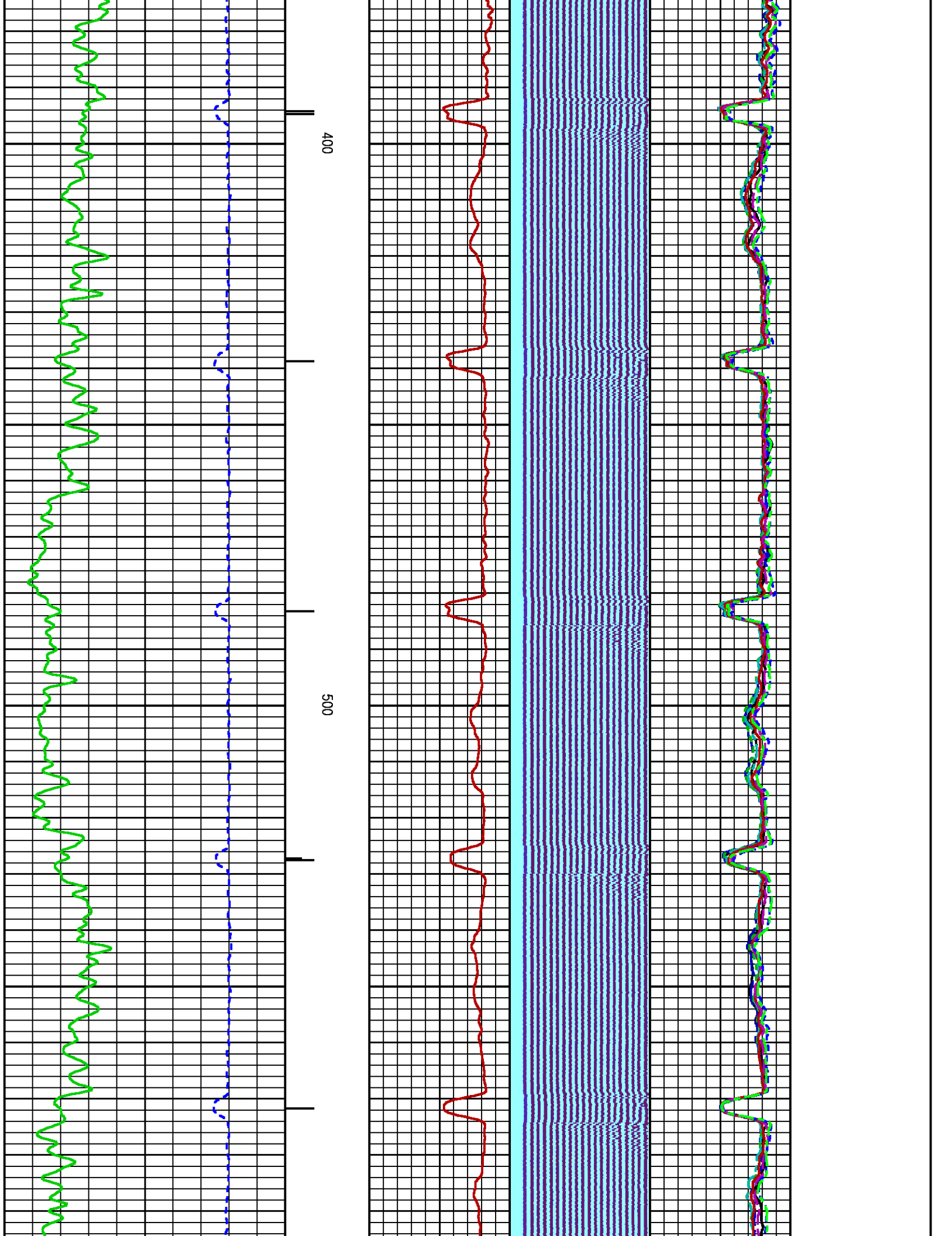
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	11.25	AR5	11.25	CCL	5.75	XAMPN	11.25
AR2	11.25	AR6	11.25	FAMPN	0.00		
AR3	11.25	AR7	11.25	GR	1.75		
AR4	11.25	AR8	11.25	TTN	11.25		

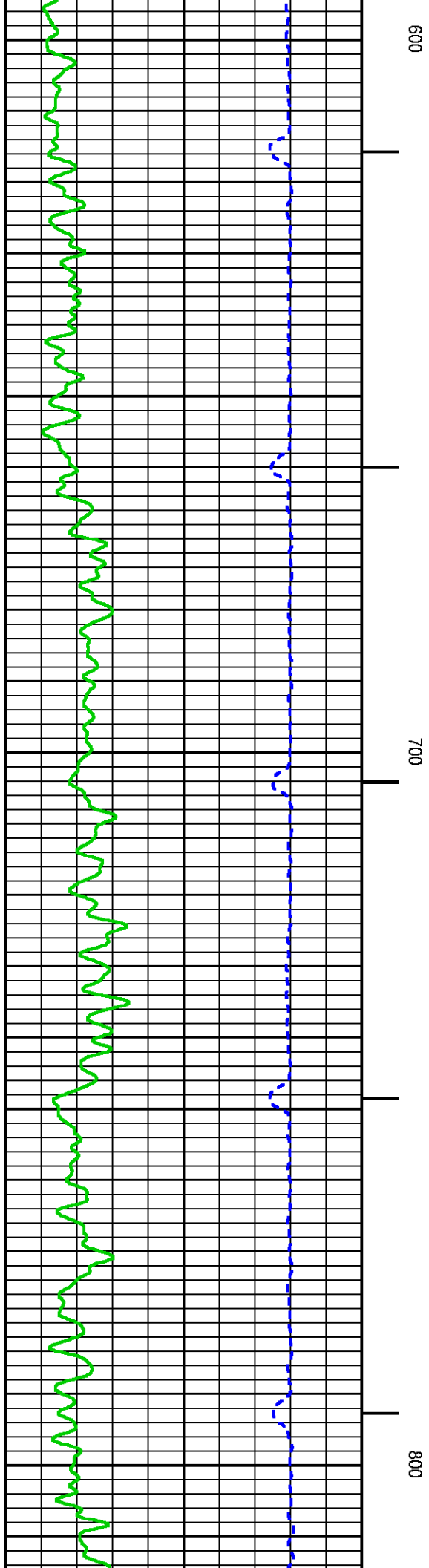
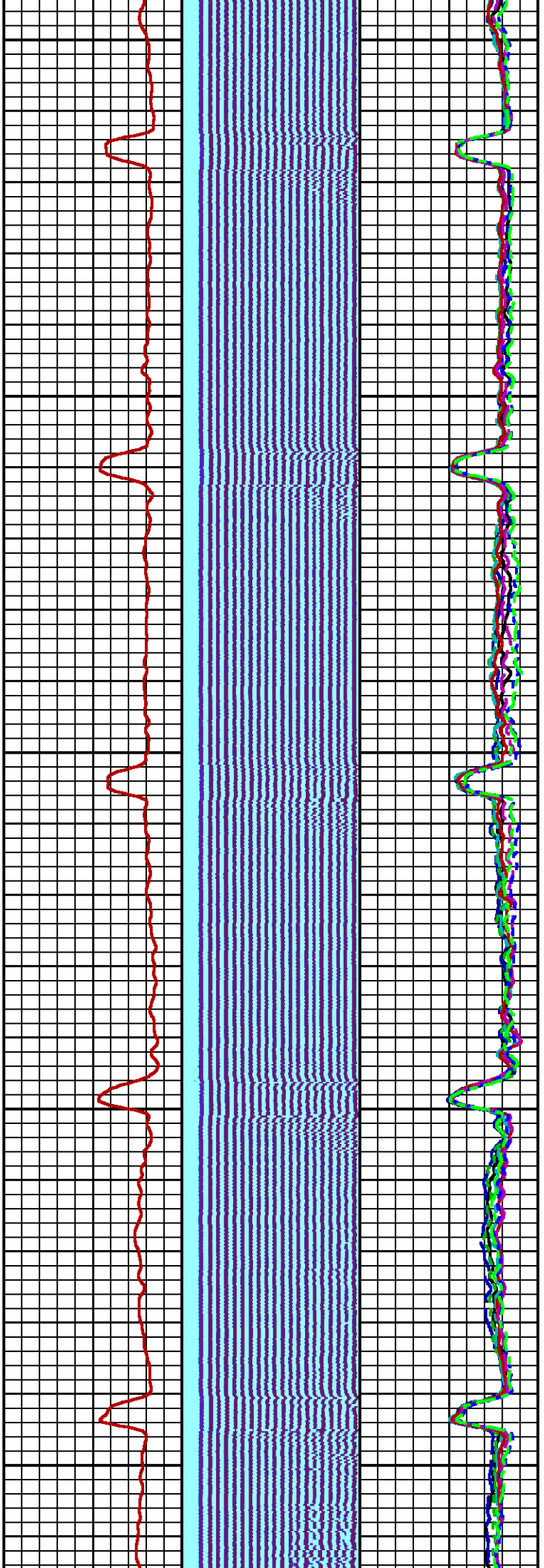
Presentation	: BHUGHES-06627:C:\dat1a\092546\534CBL_SECONDARY.fvpdf [5"/100' Scale]
Plot Interval	: 0 - 12716 Feet
Data File 1	: F1 : BHUGHES-06627:C:\dat1a\092546\534CBL_MAIN.xtf
Created On	: Dec 15 11:49:45 2014
Company	: WPX ENERGY
Well	: FEDERAL RGU 534-23-198
Field	: SULPHUR CREEK
File Interval	: 9.25 - 12719.3 Feet
OCT	: n012g

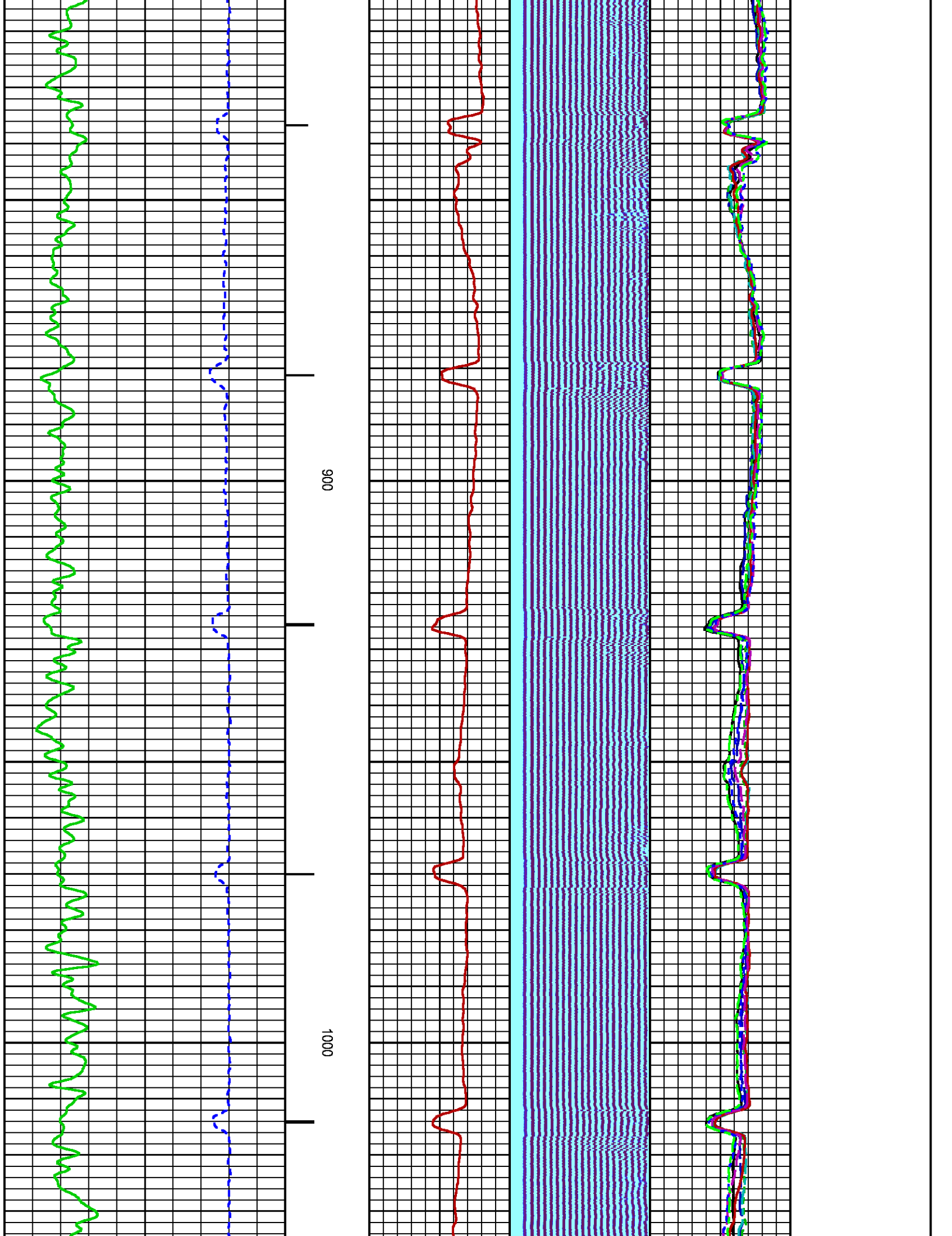


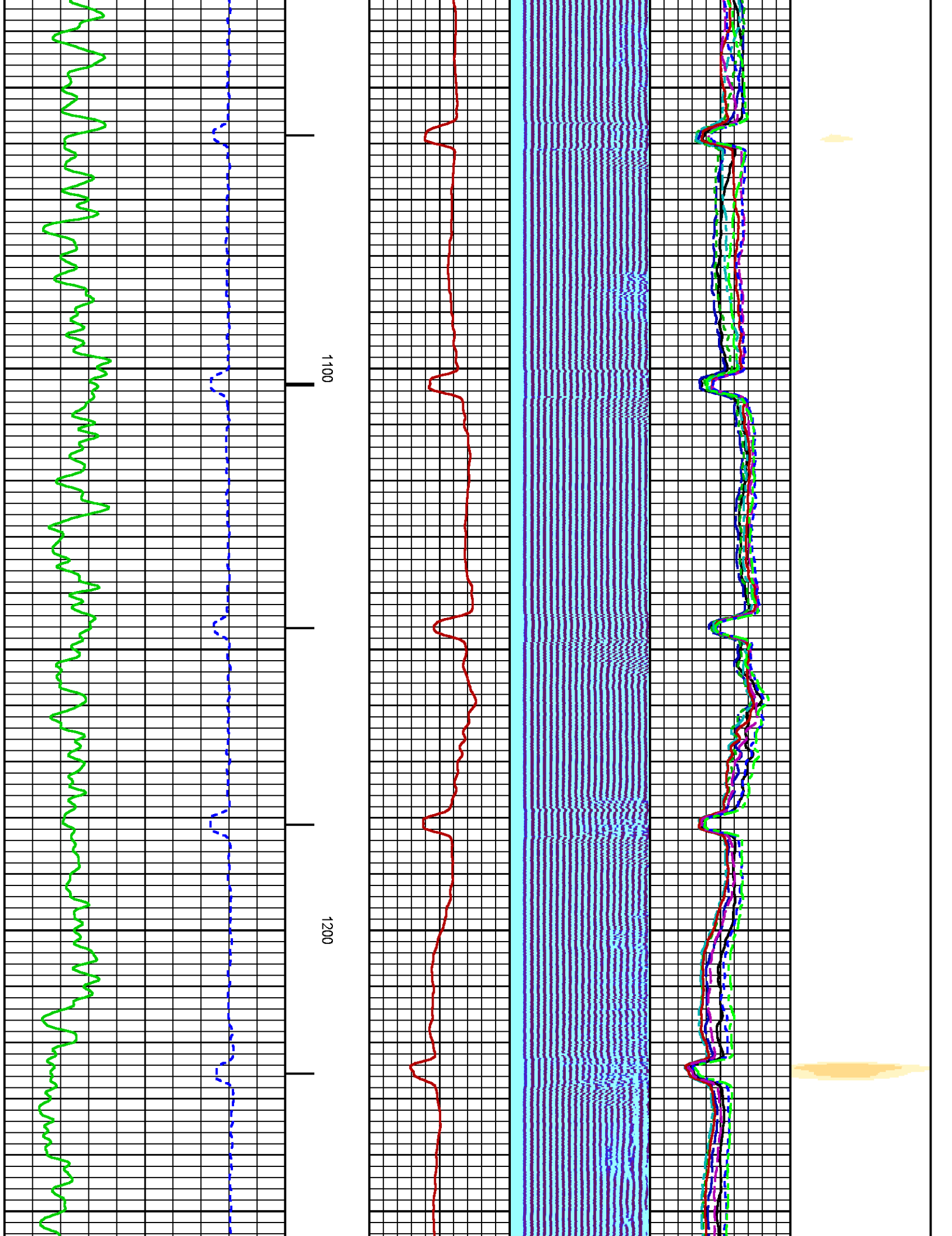


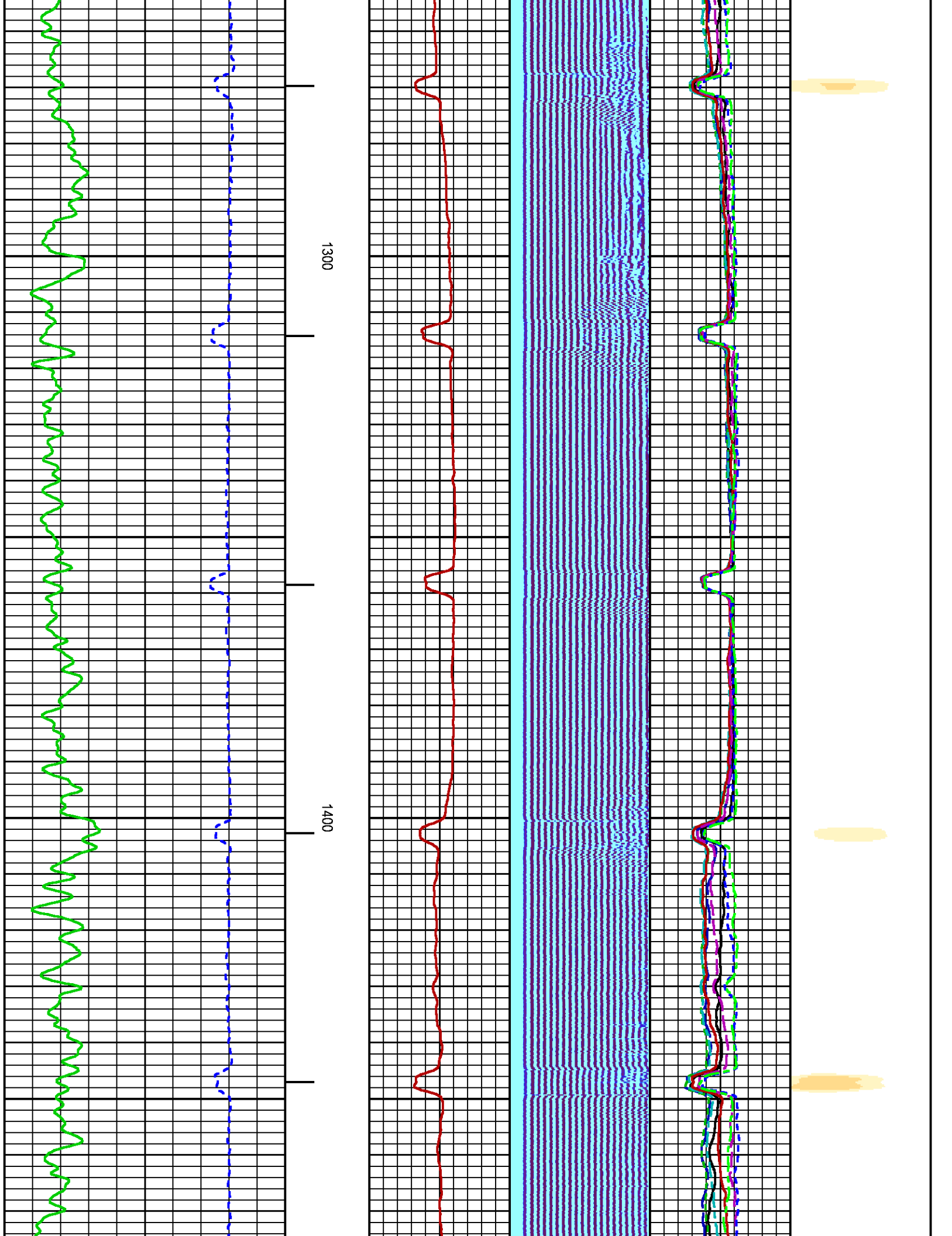


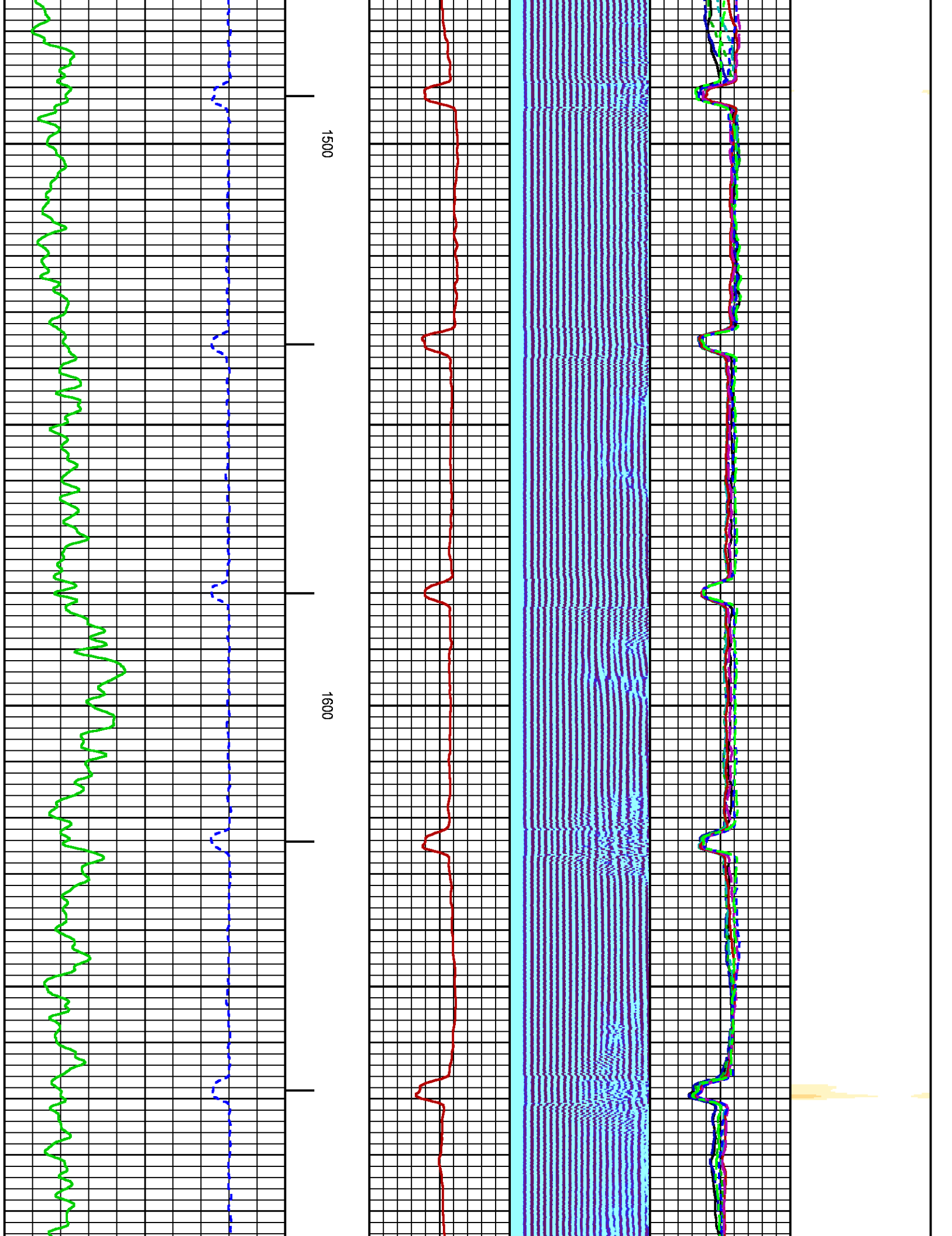


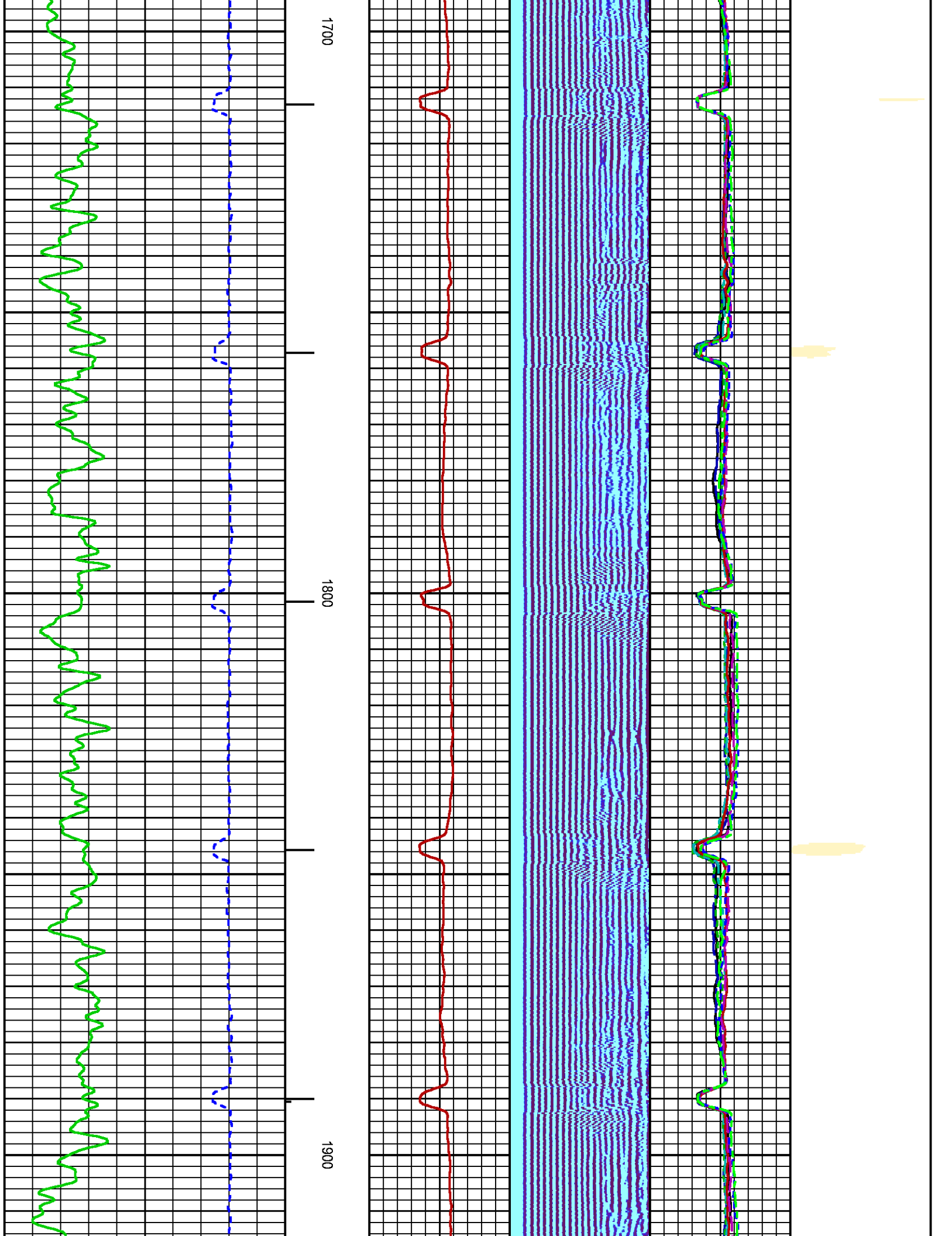


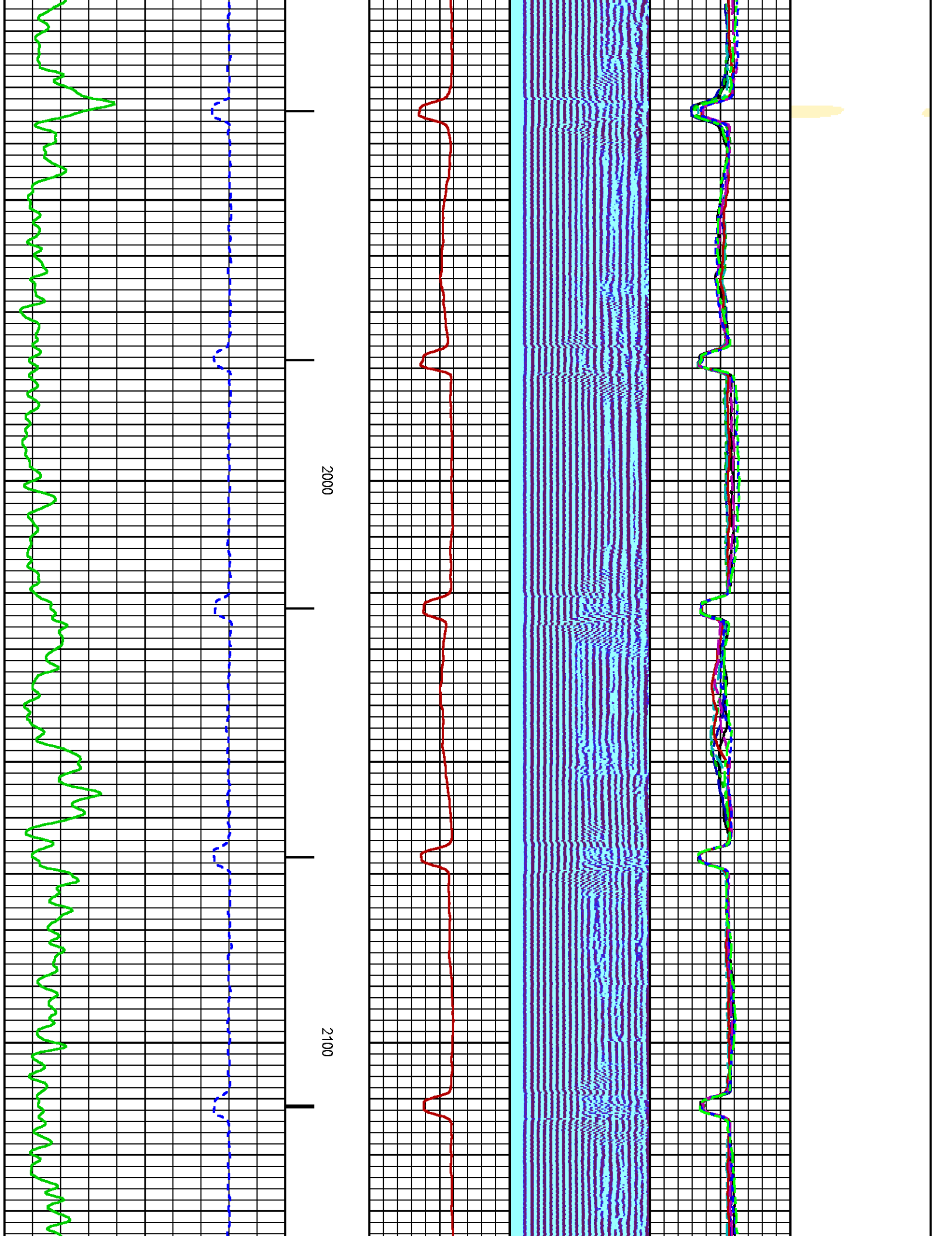


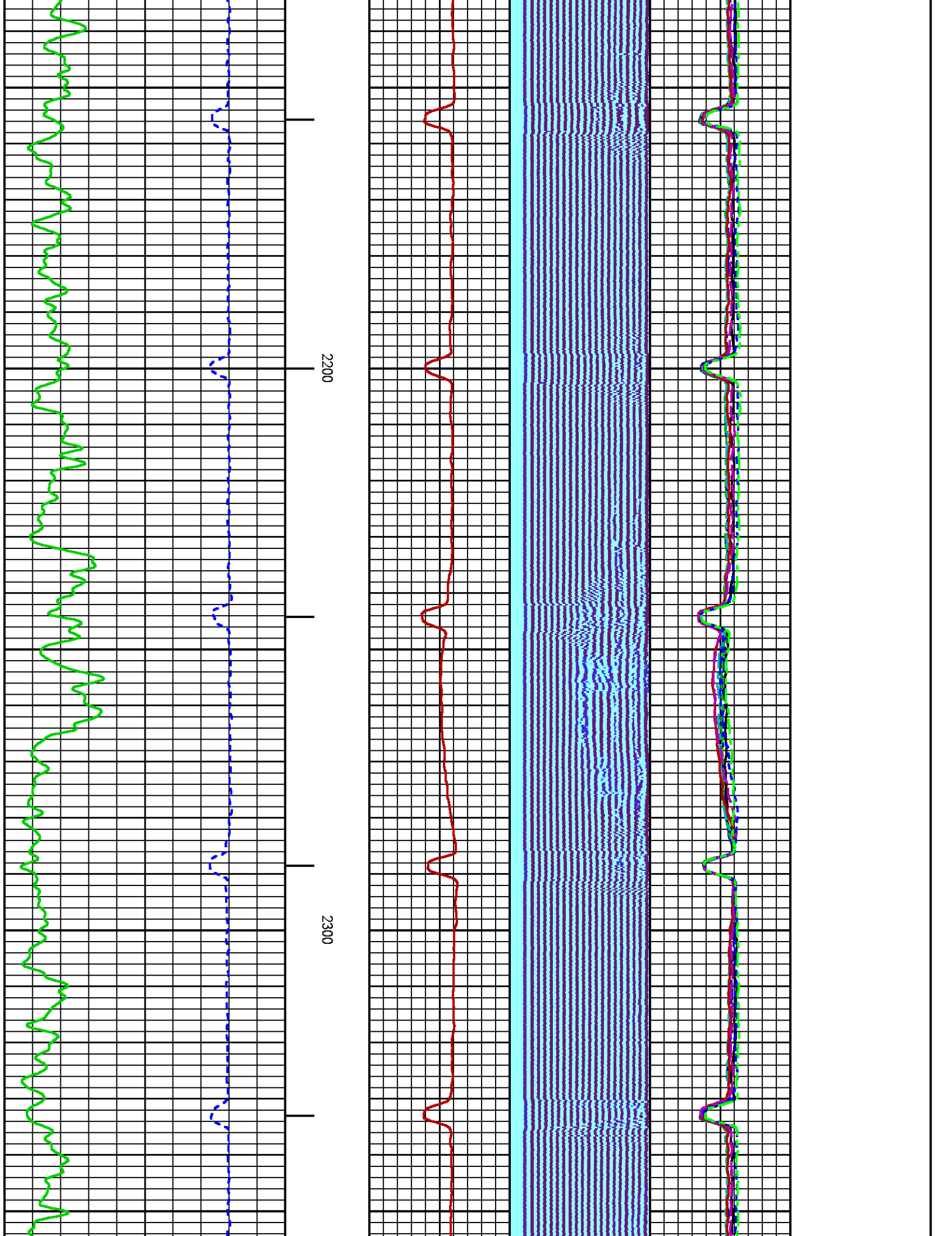


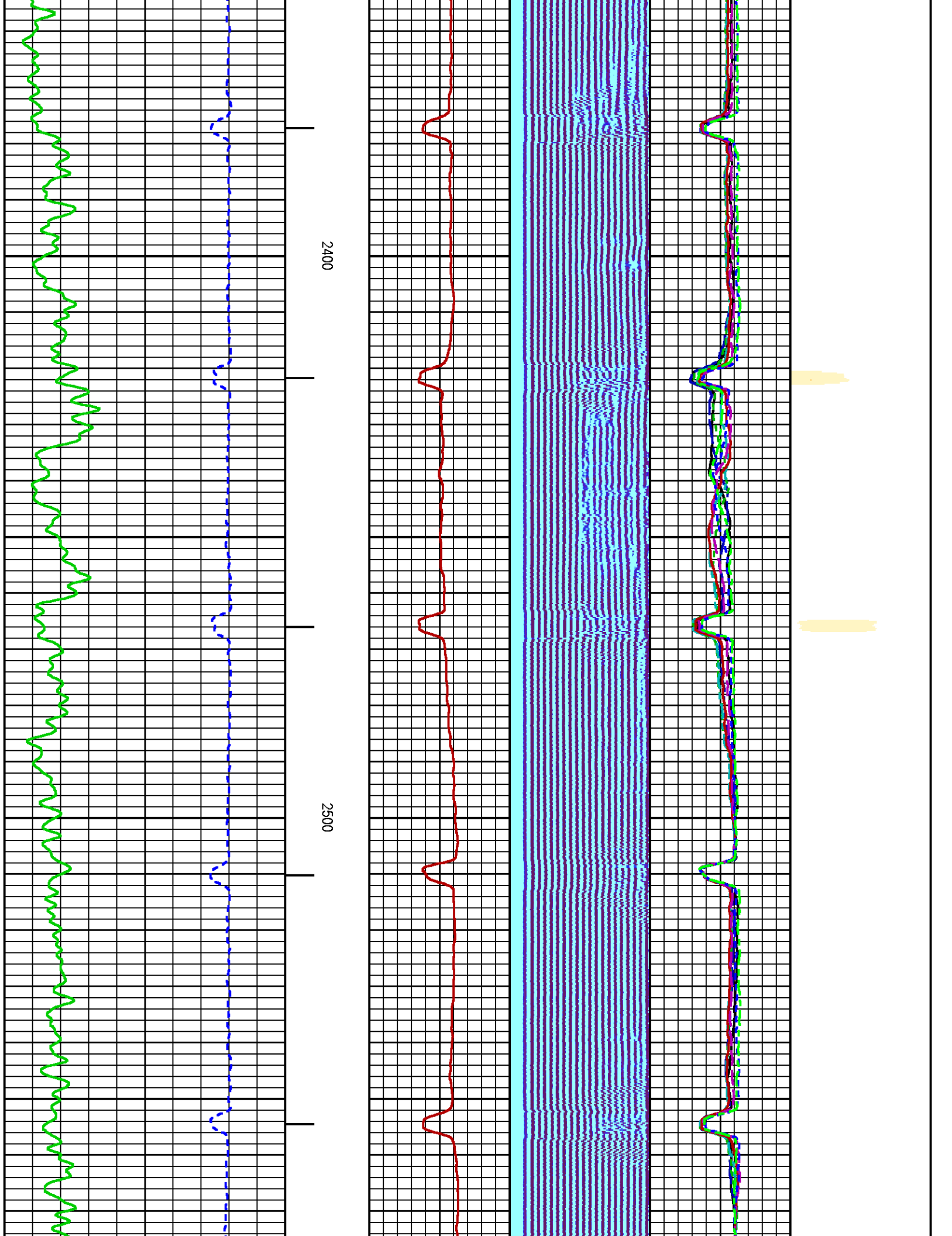


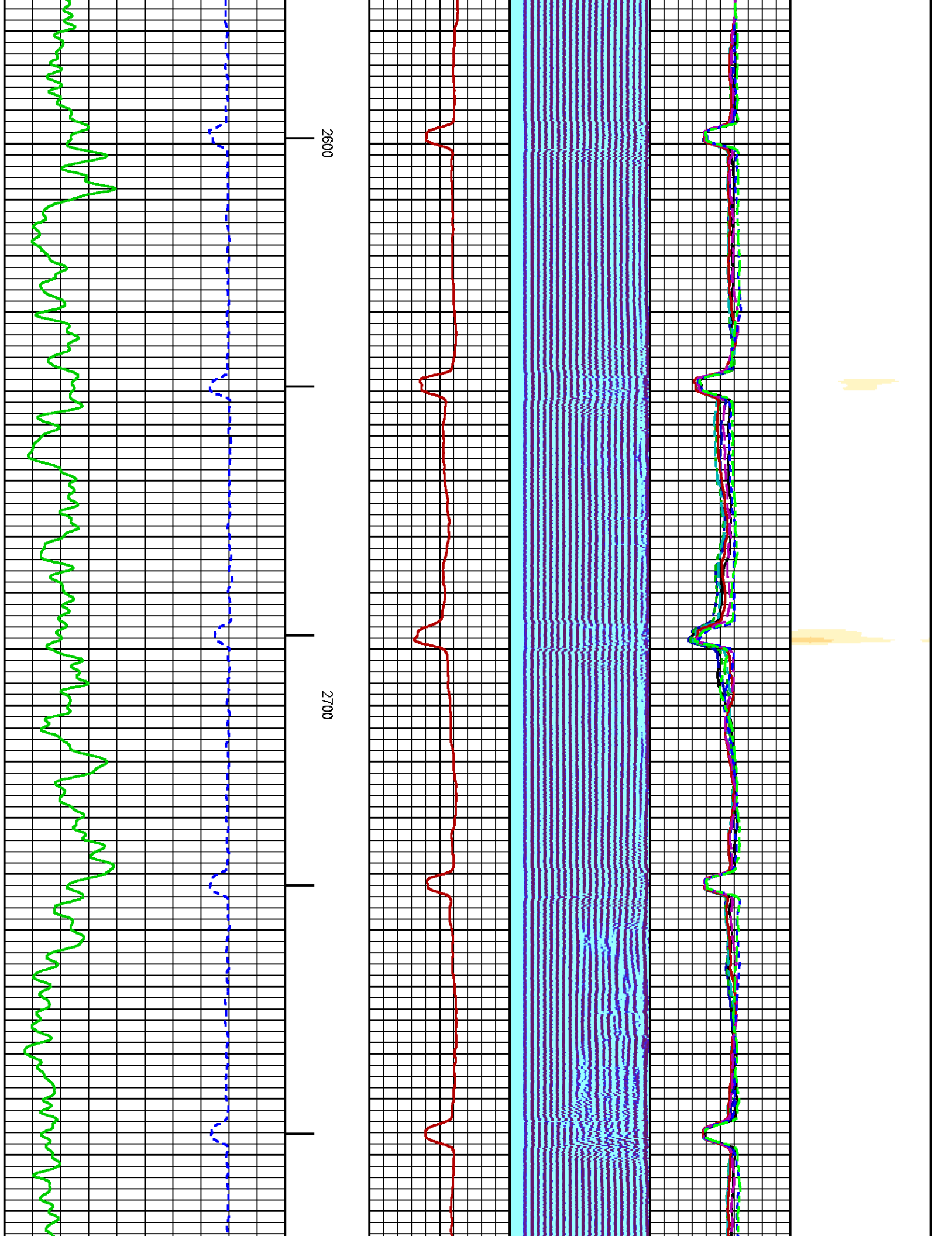


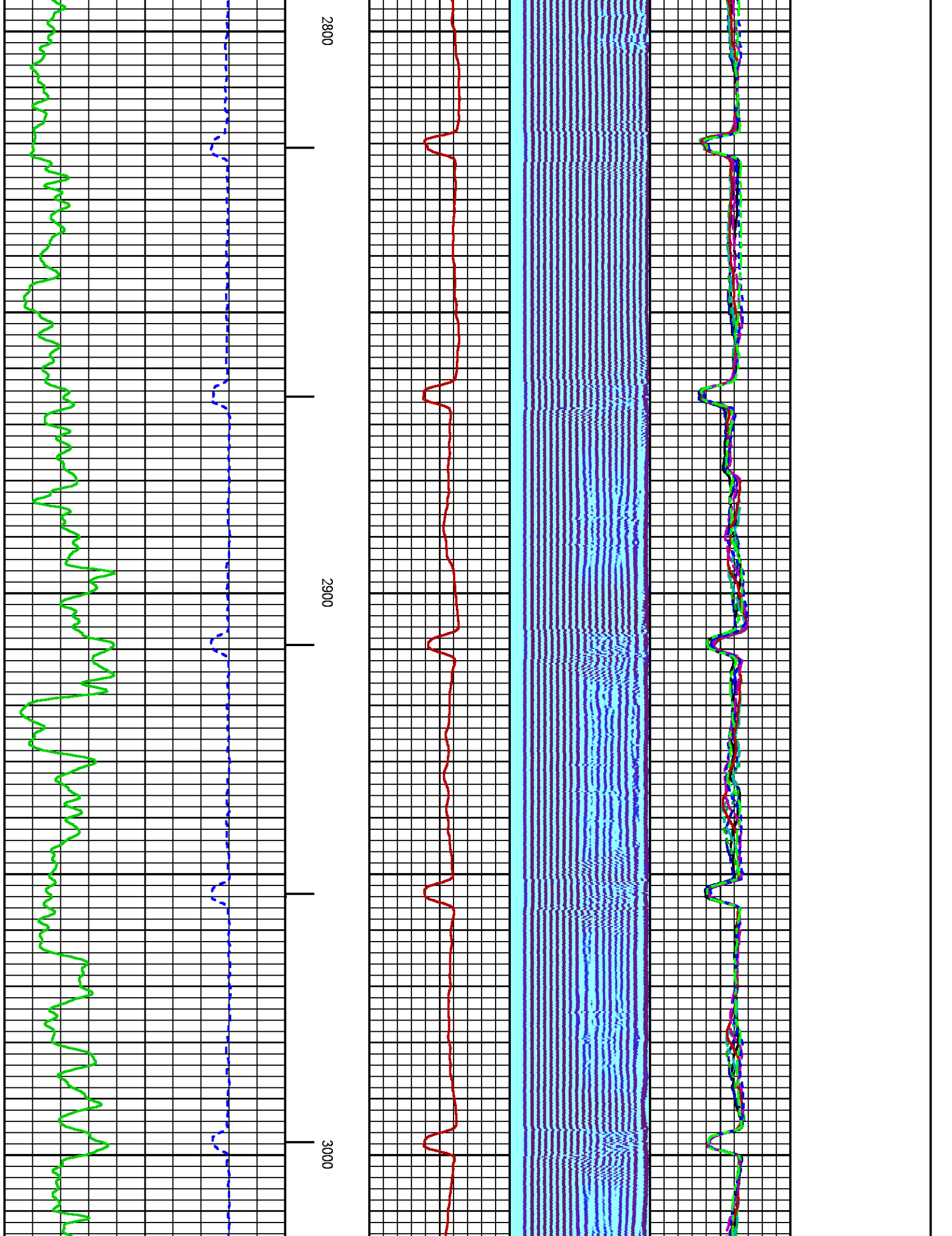


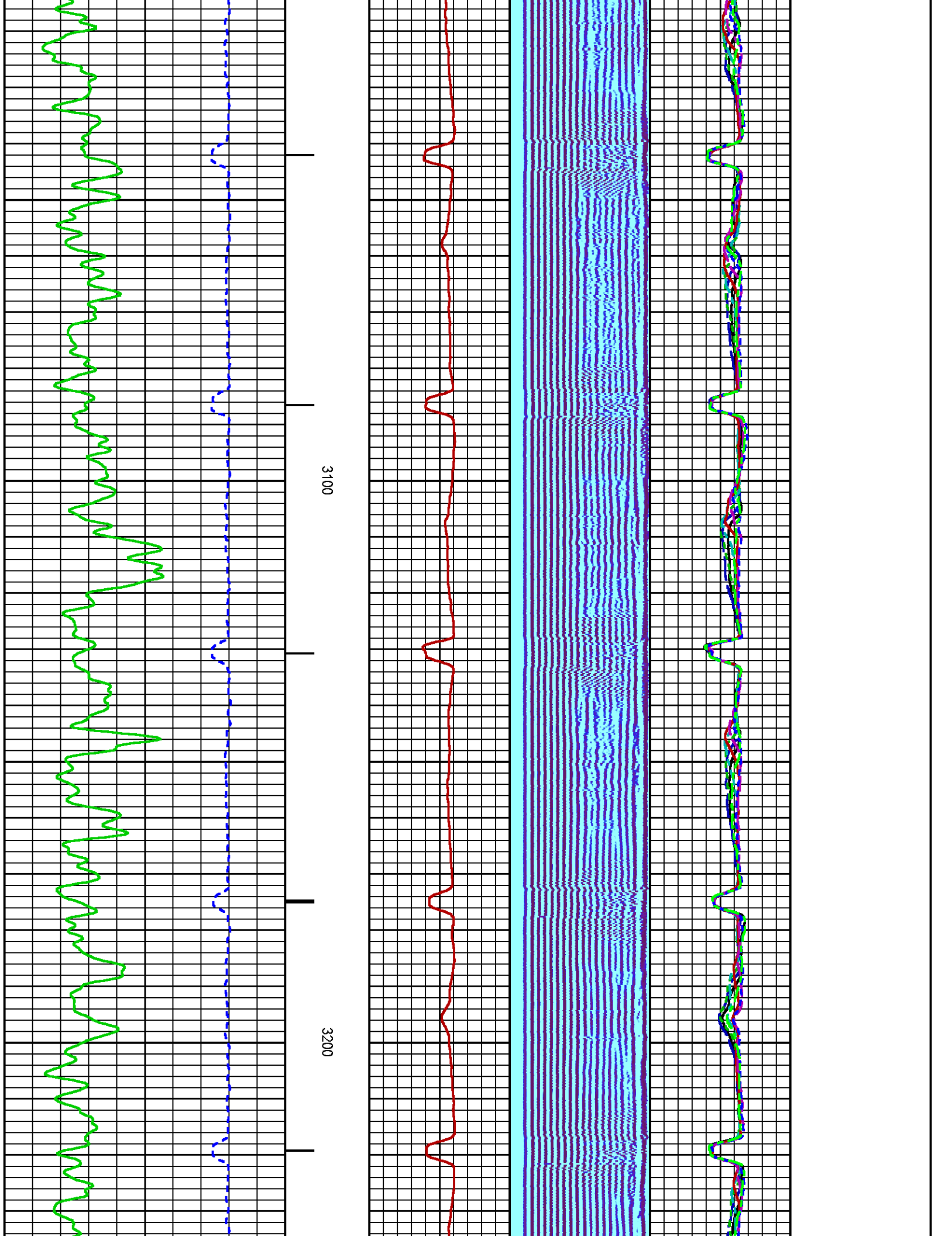


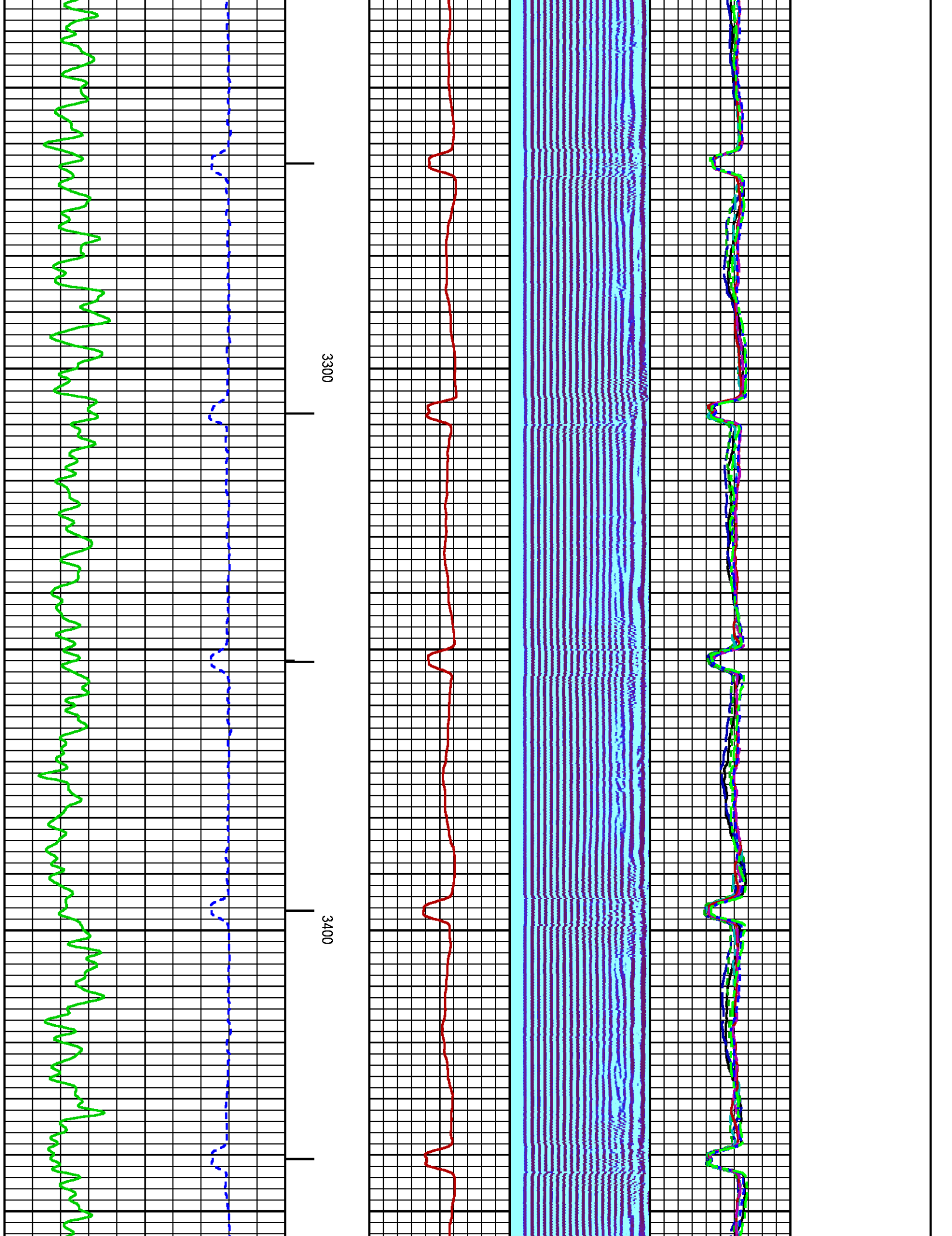


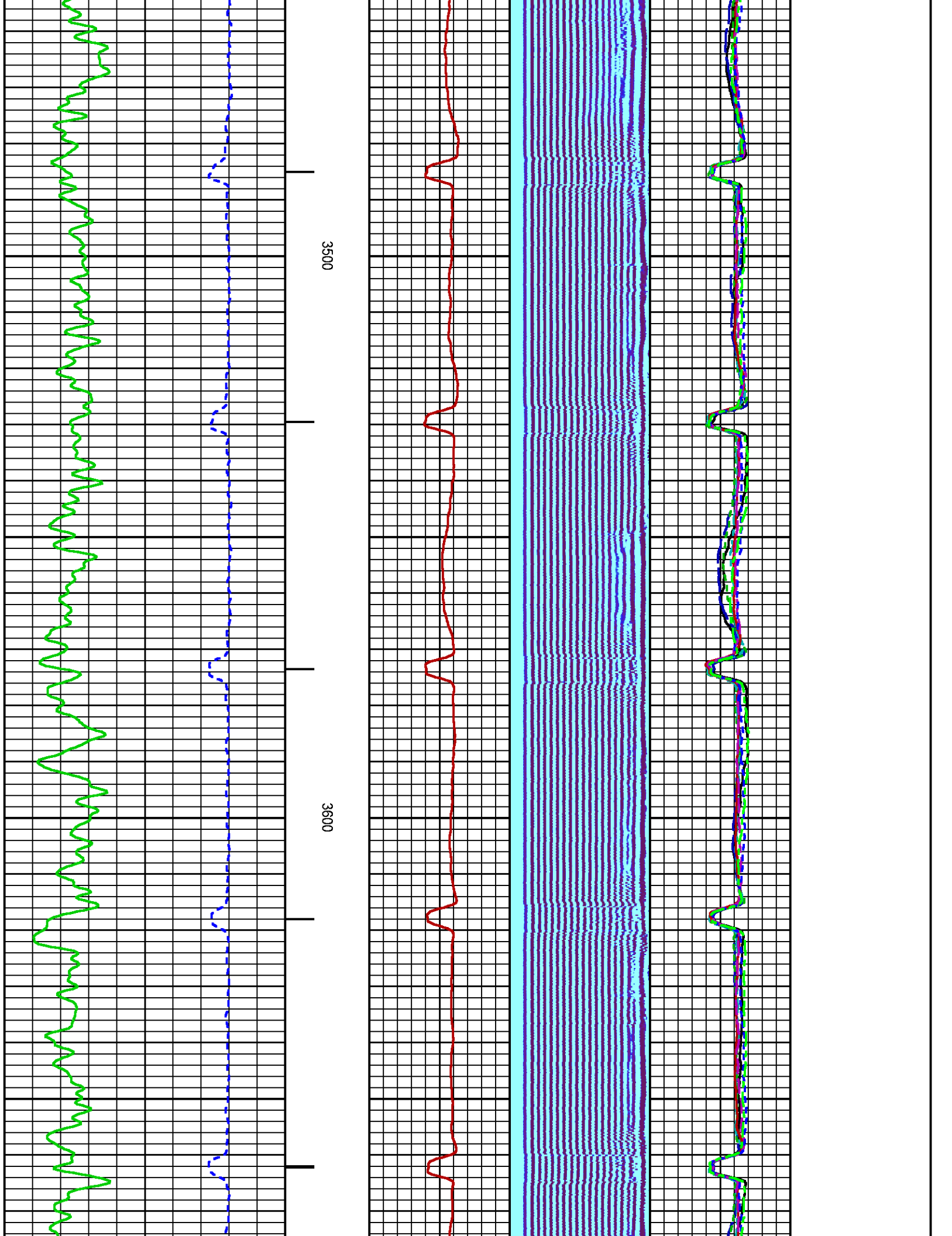


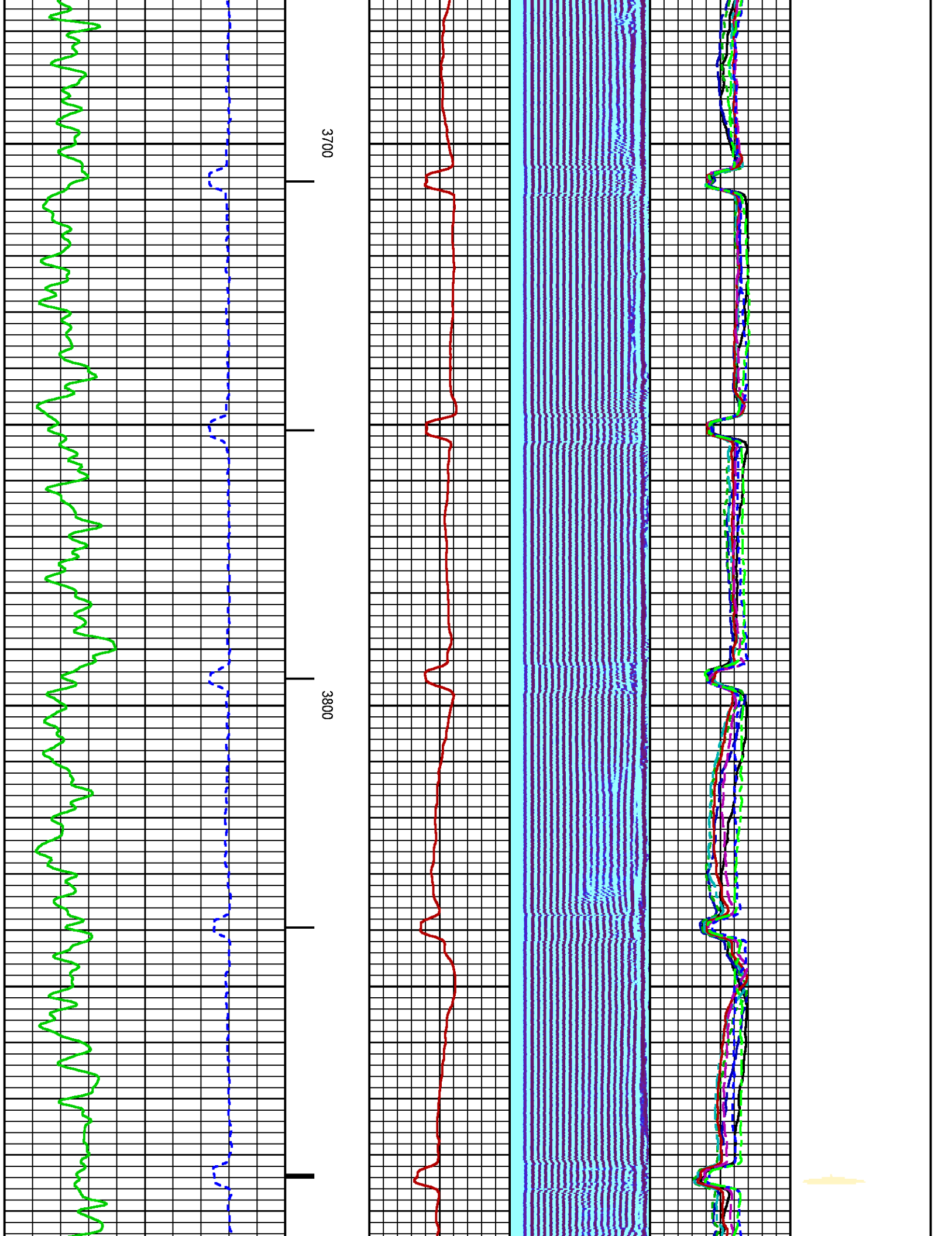


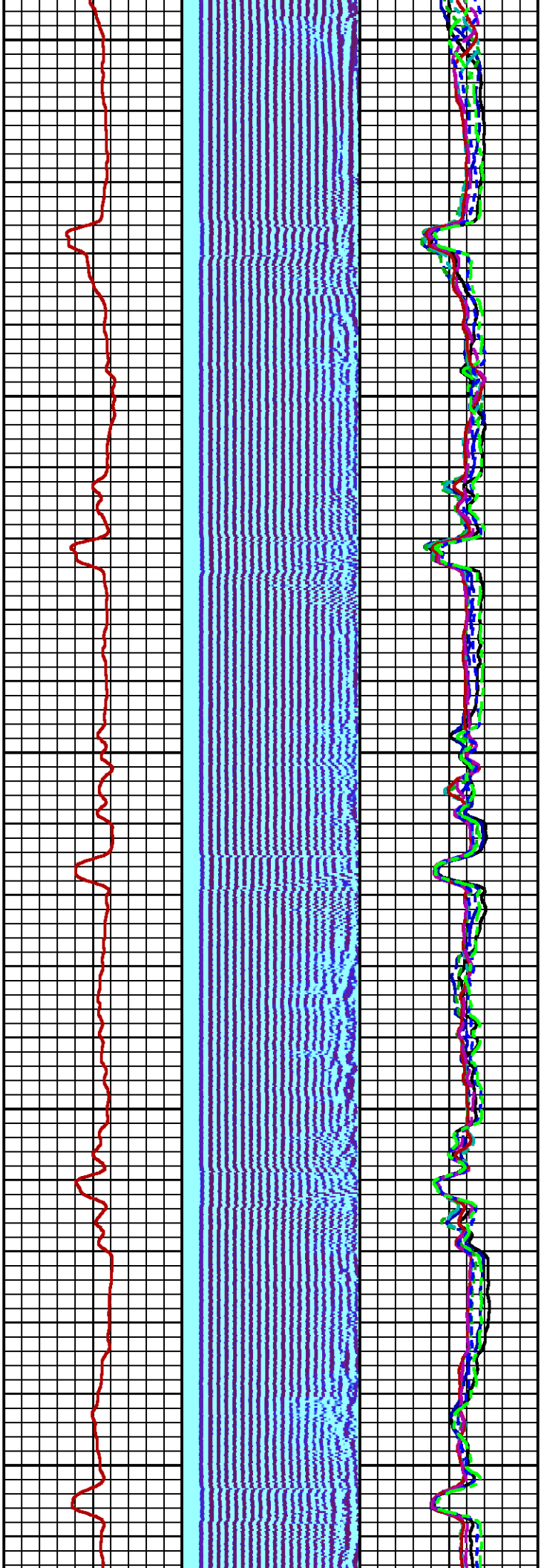








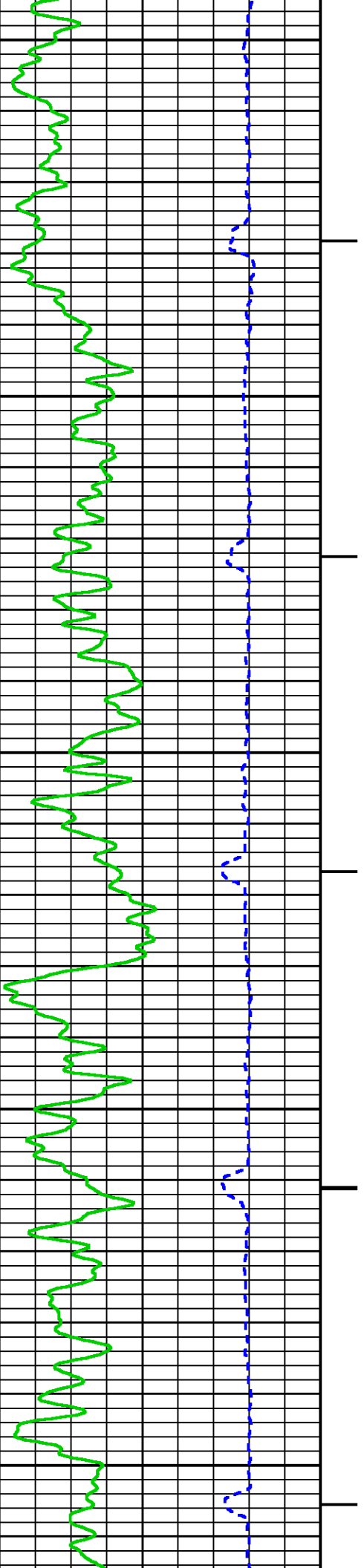


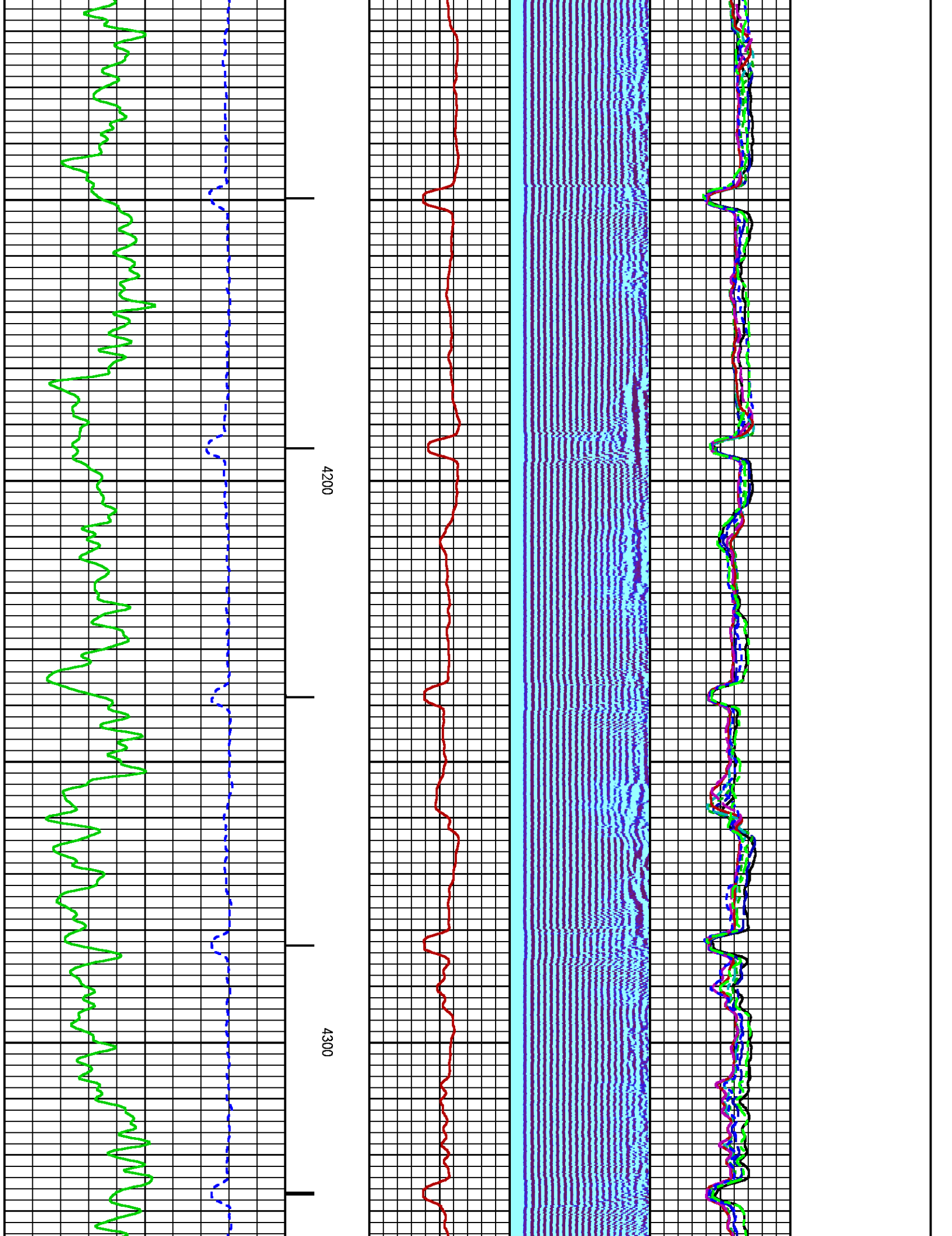


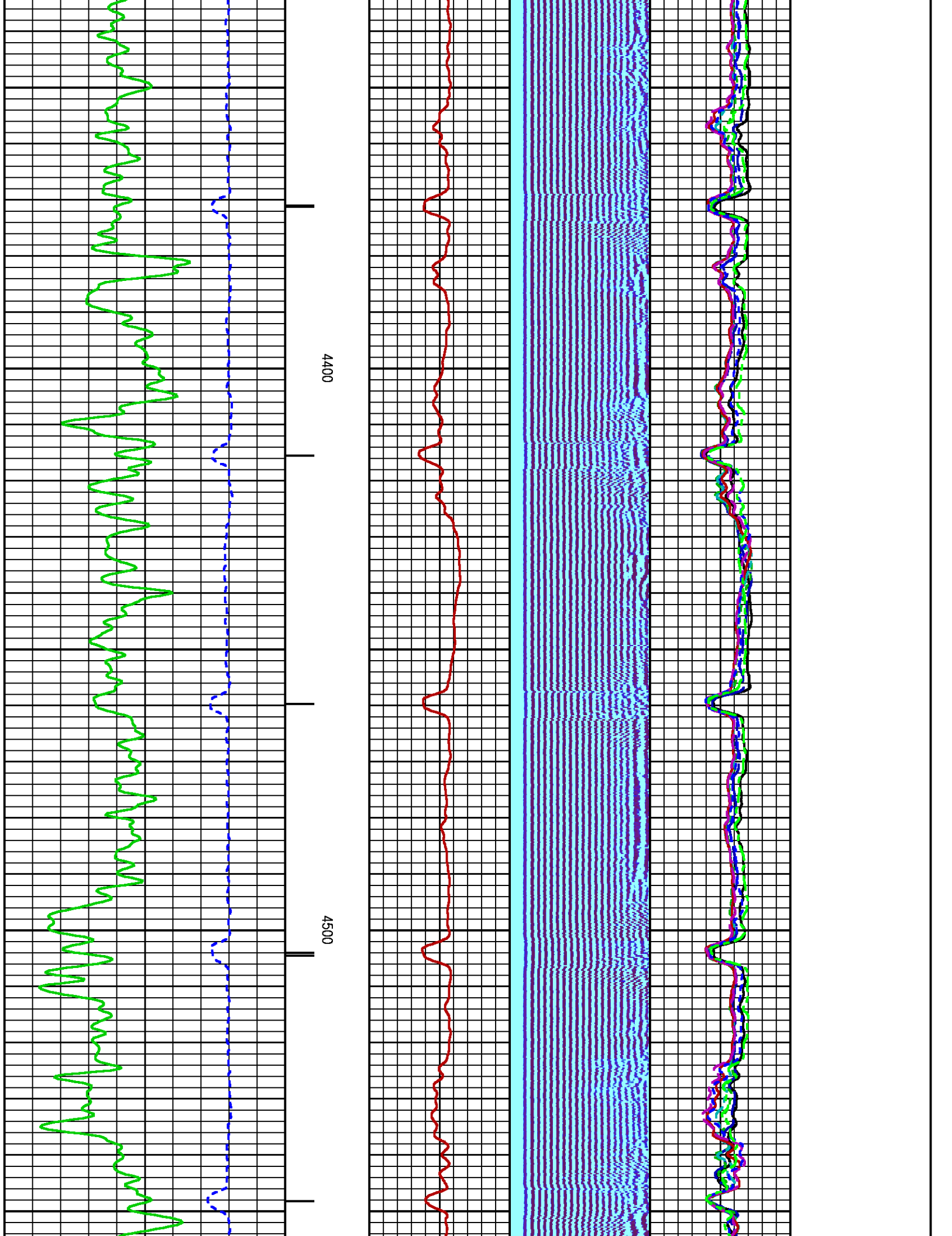
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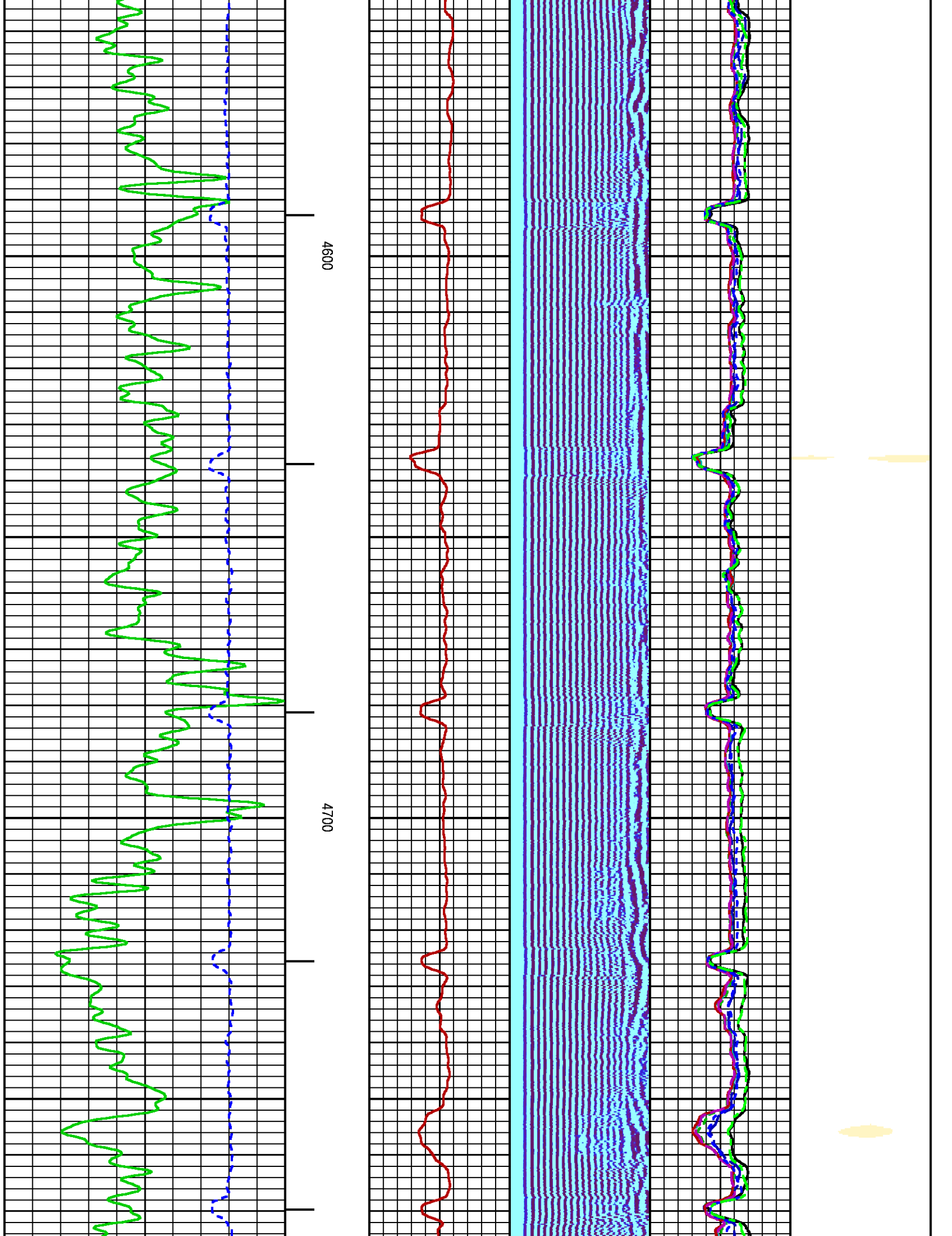
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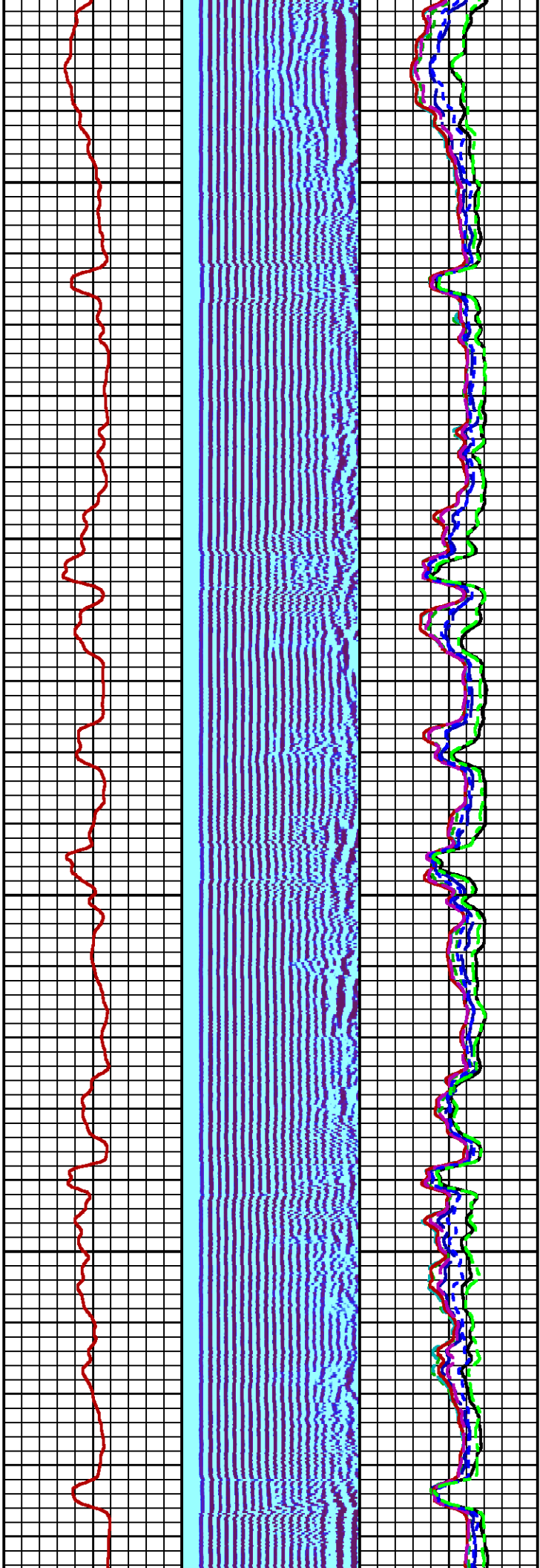
4100





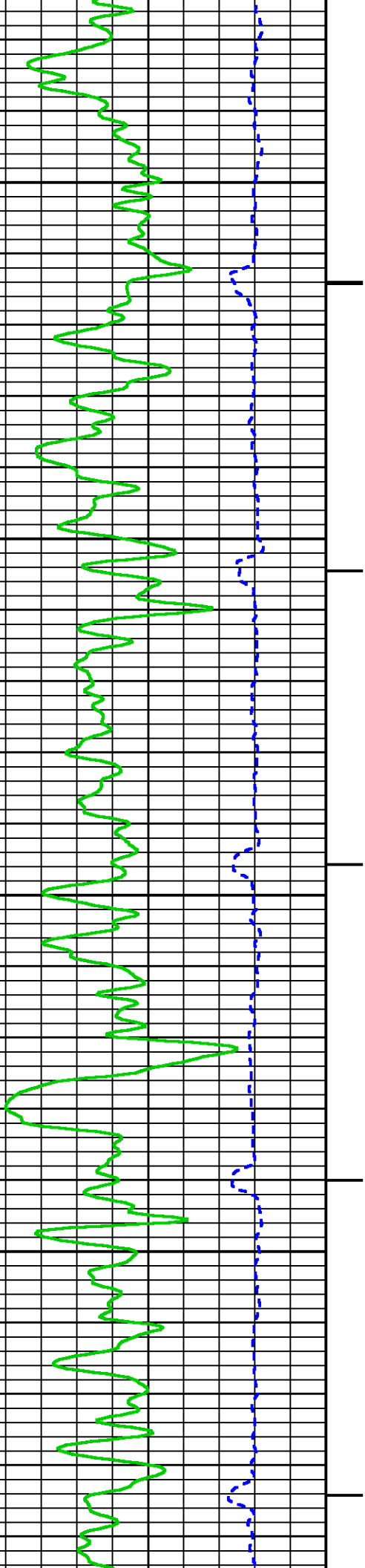


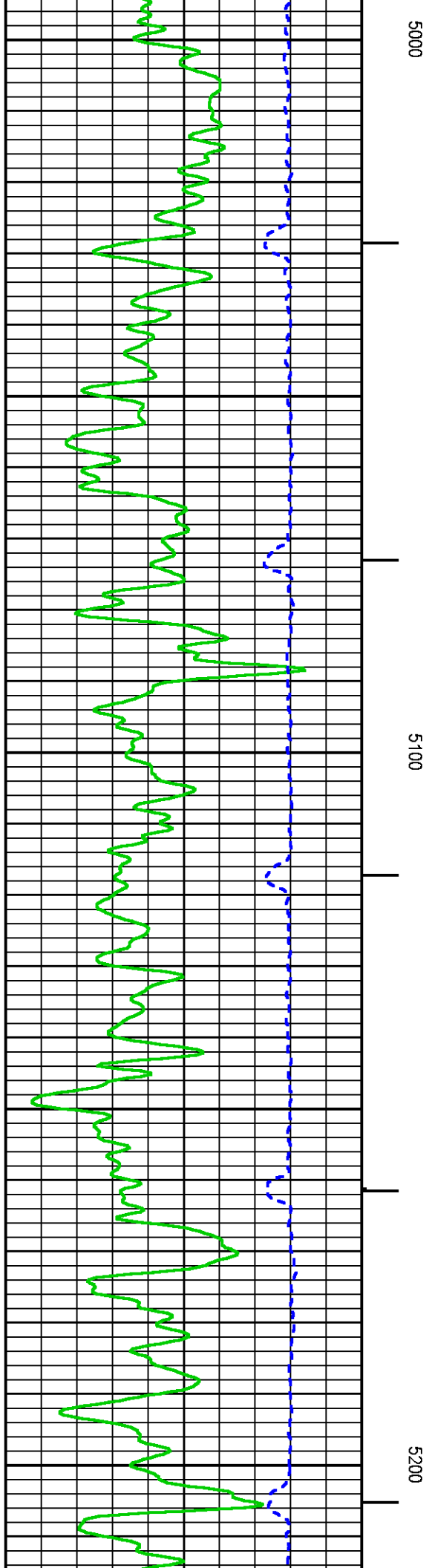
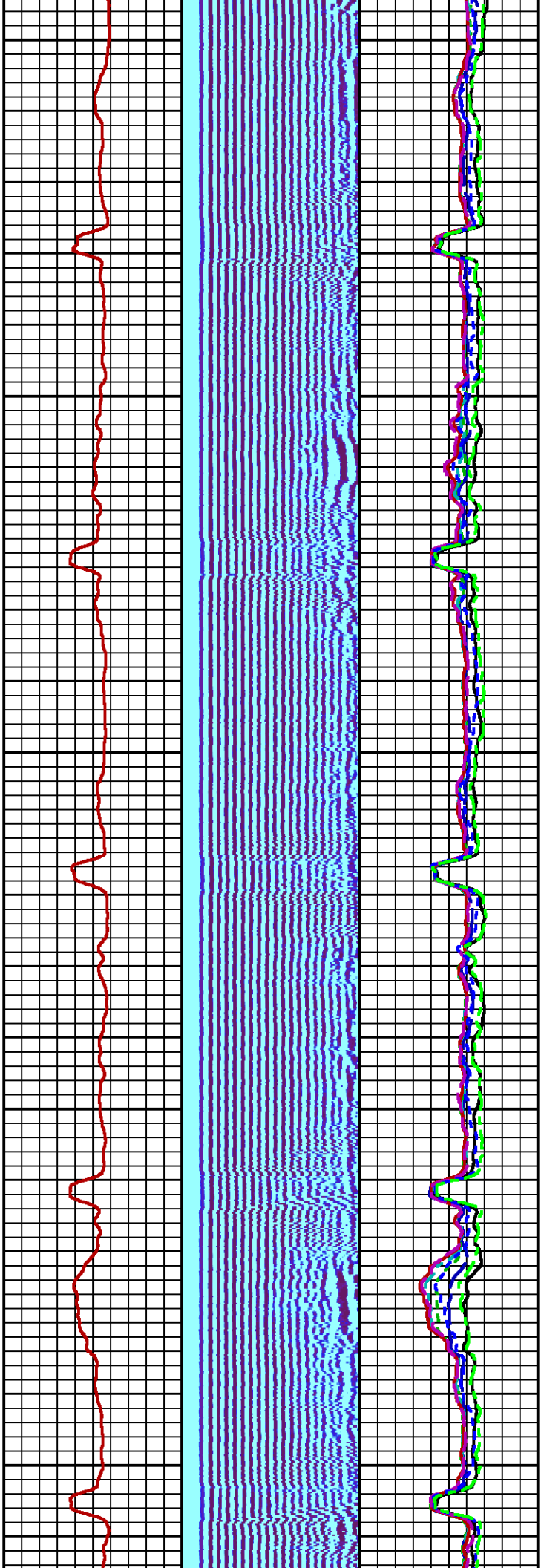


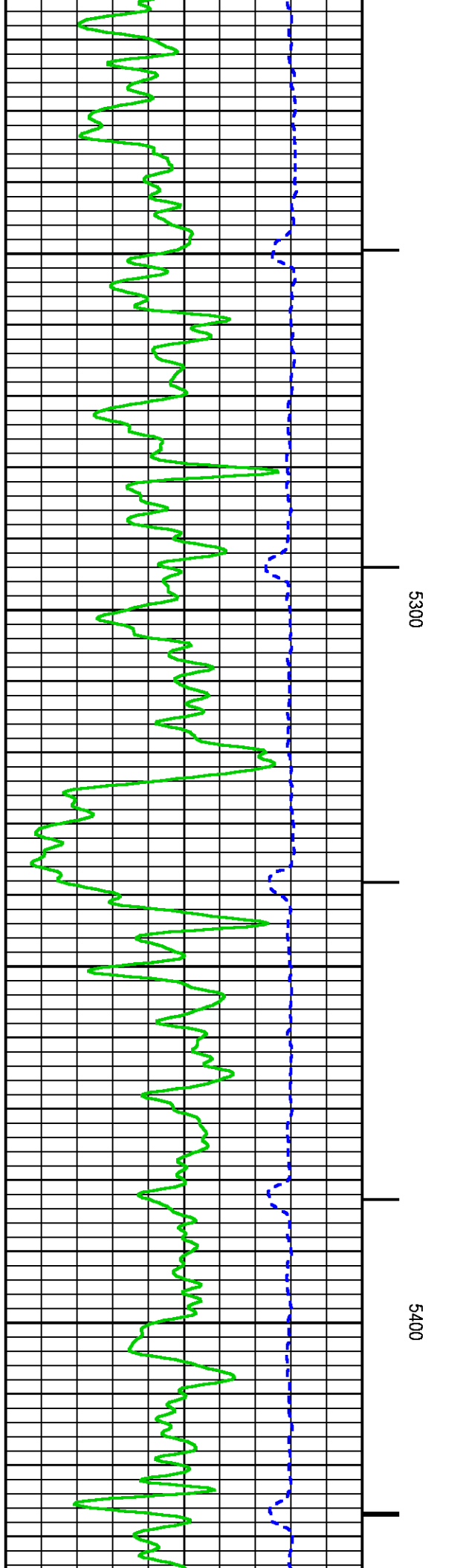
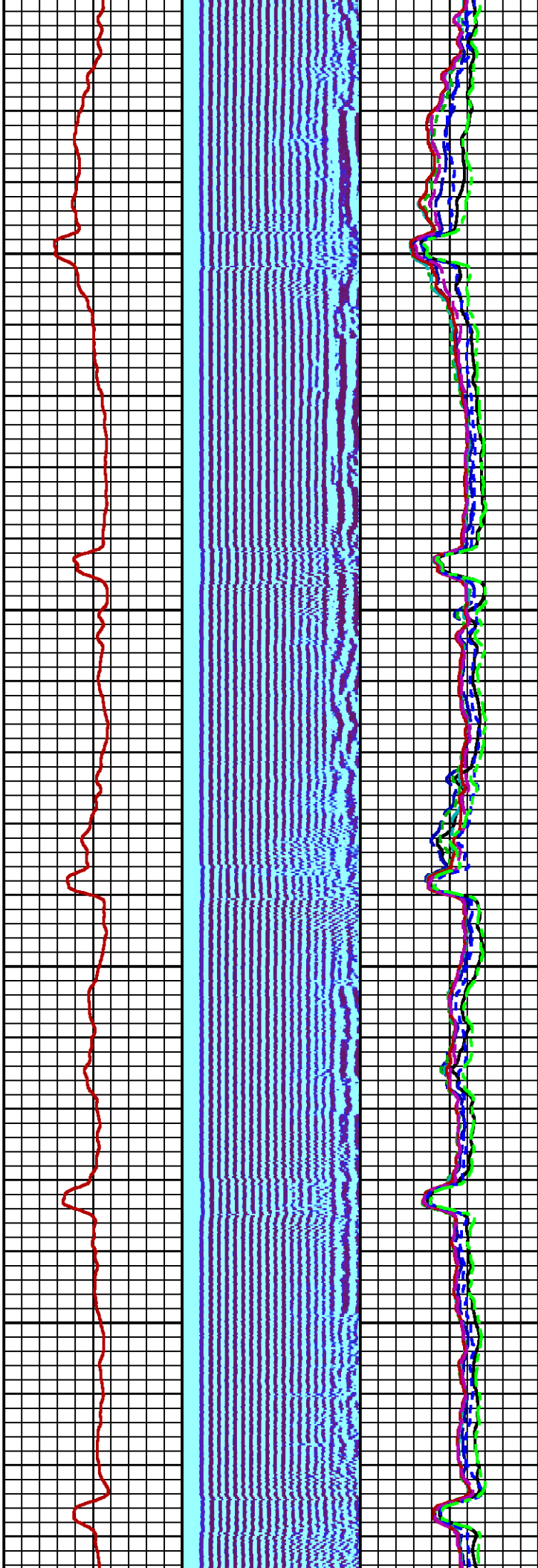


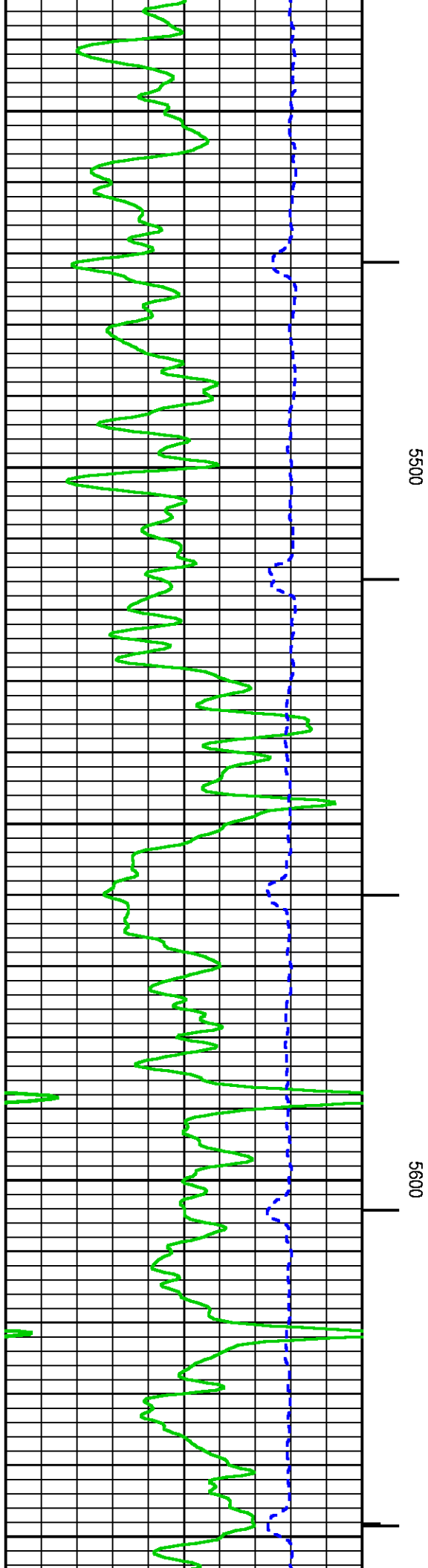
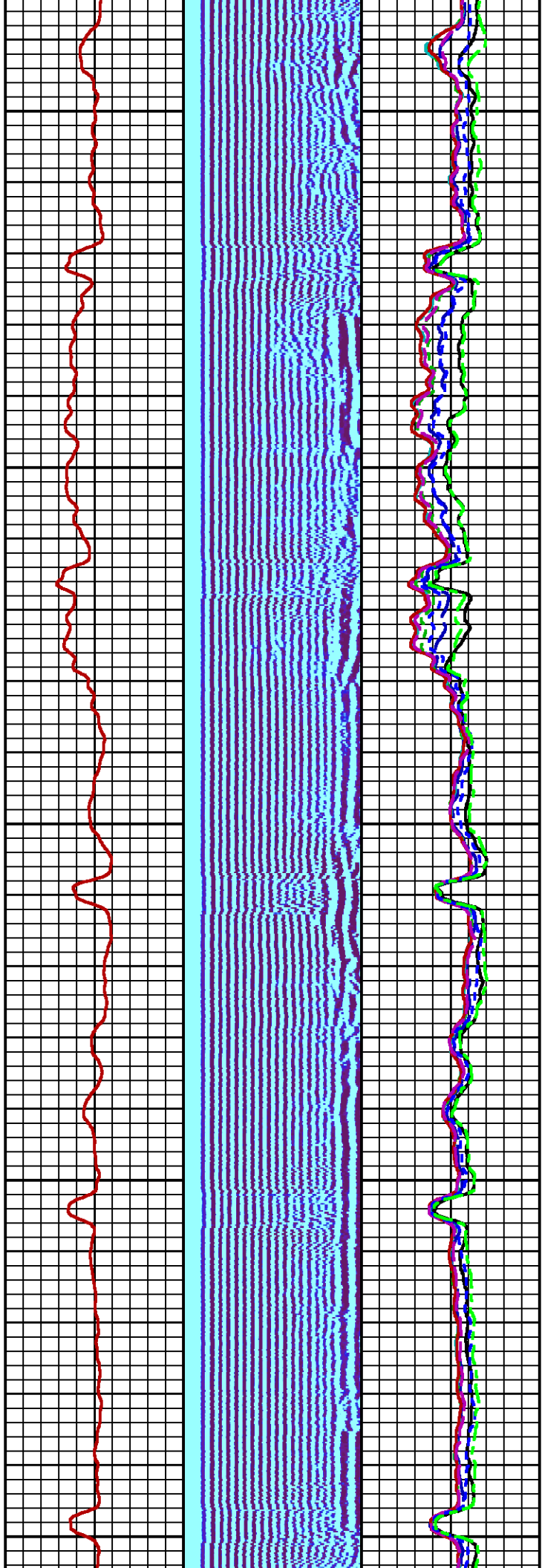
4800

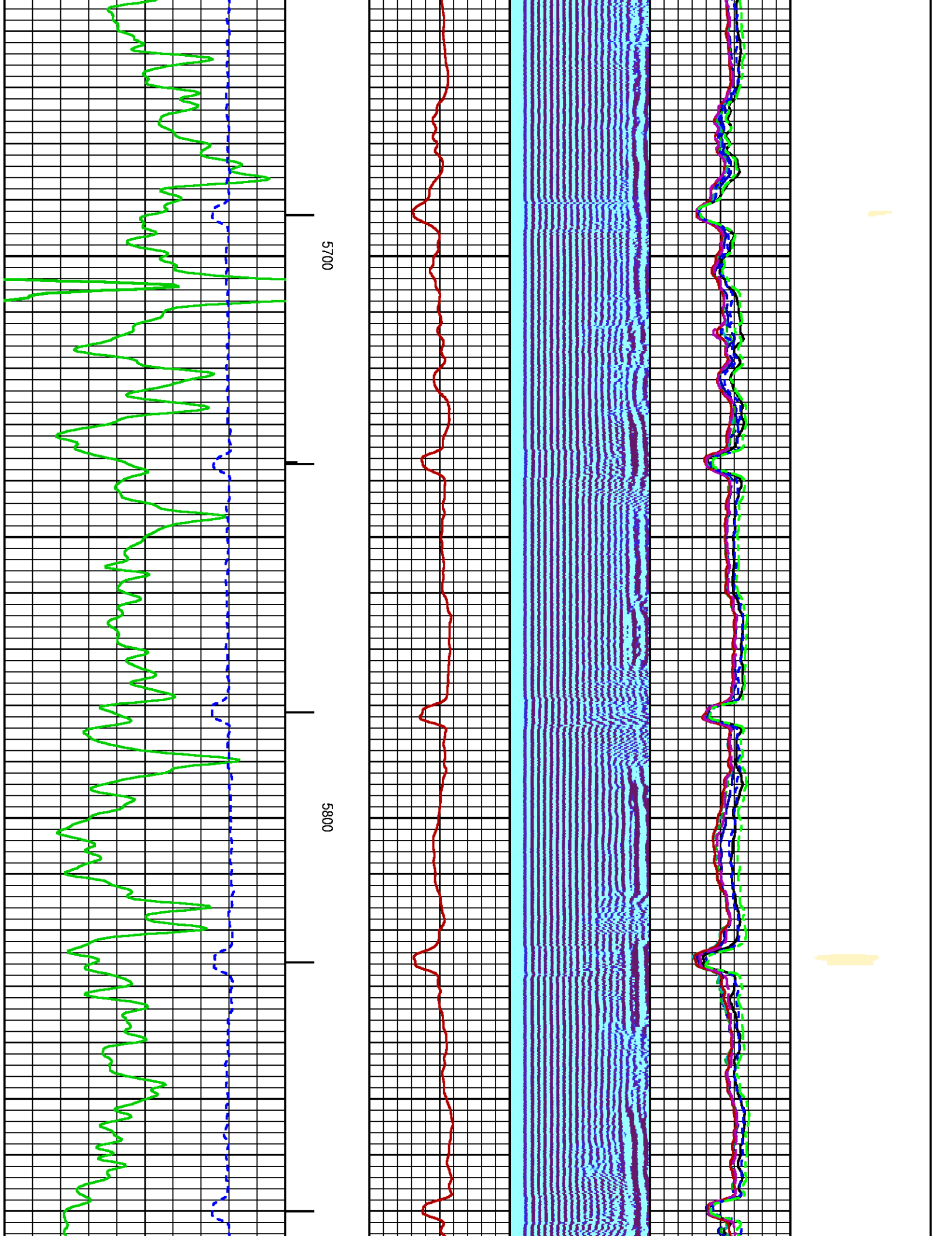
4900

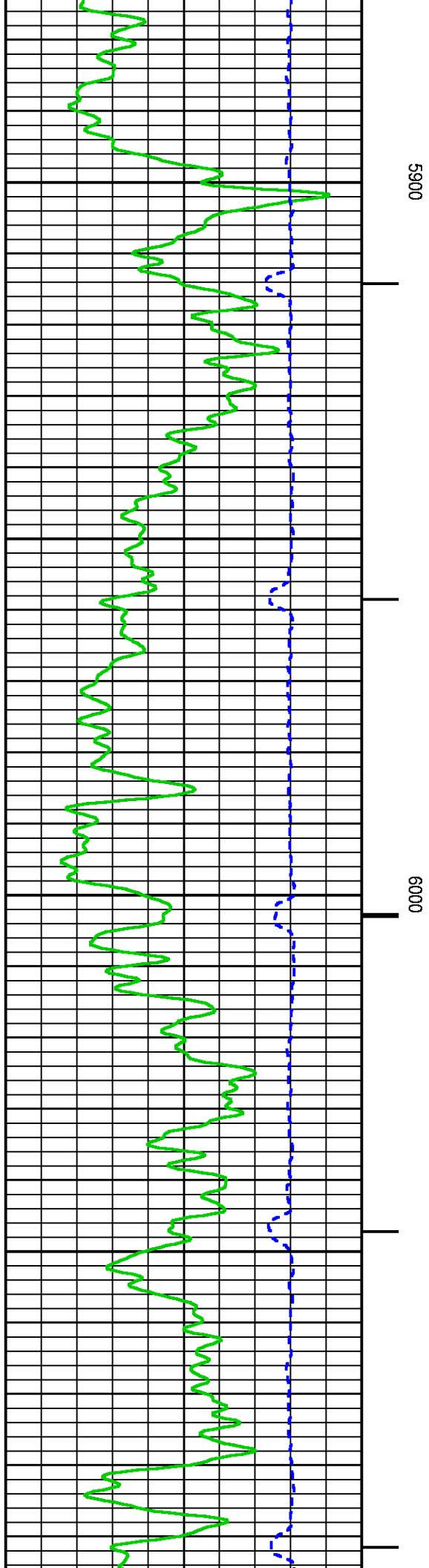
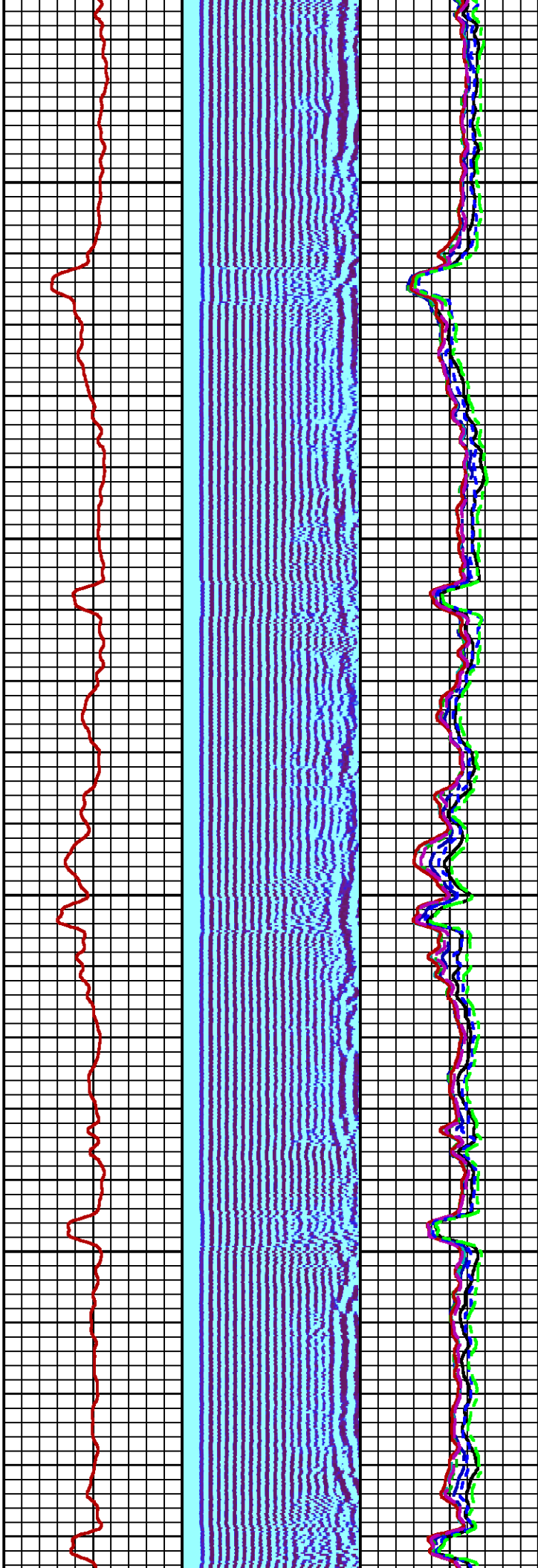


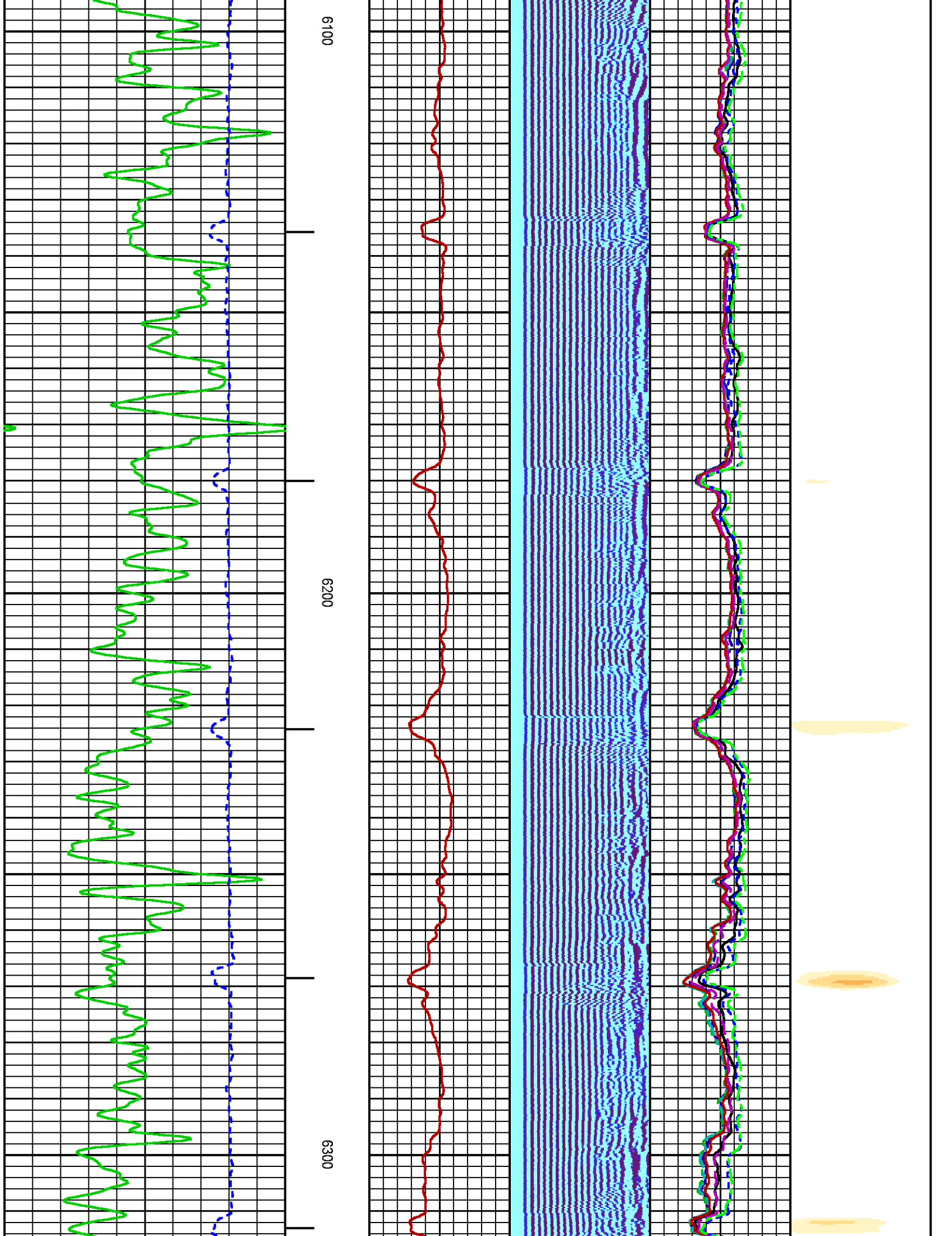


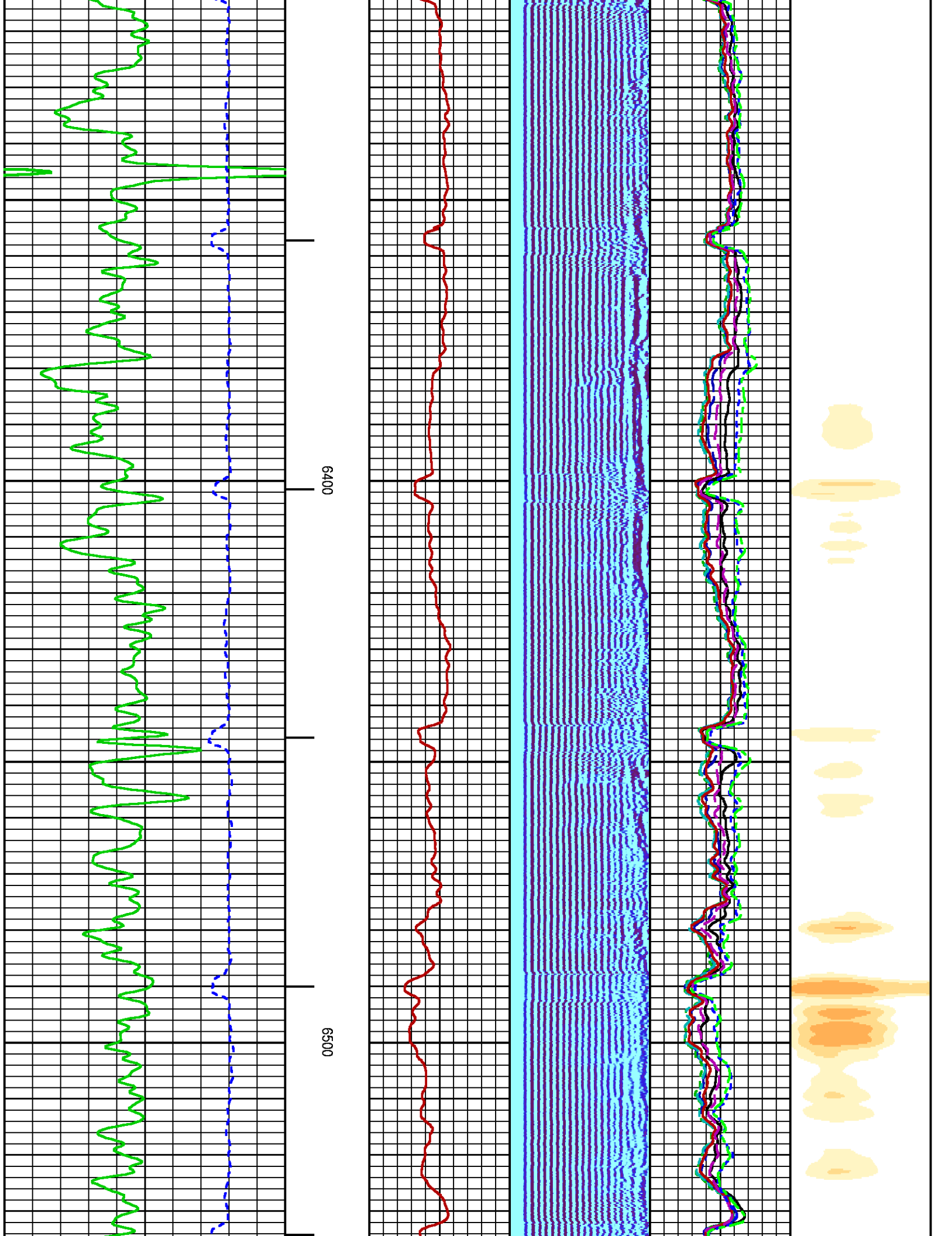


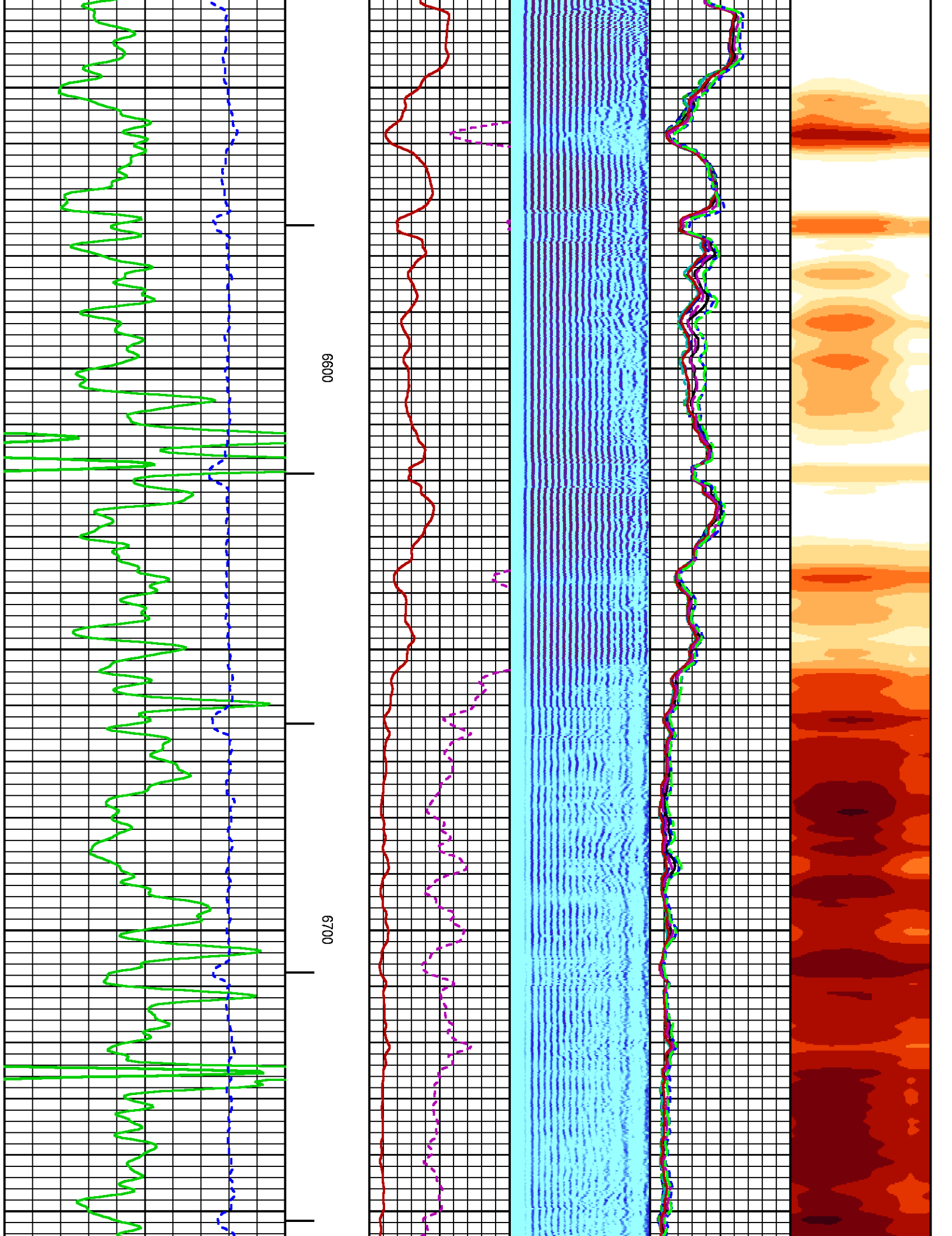


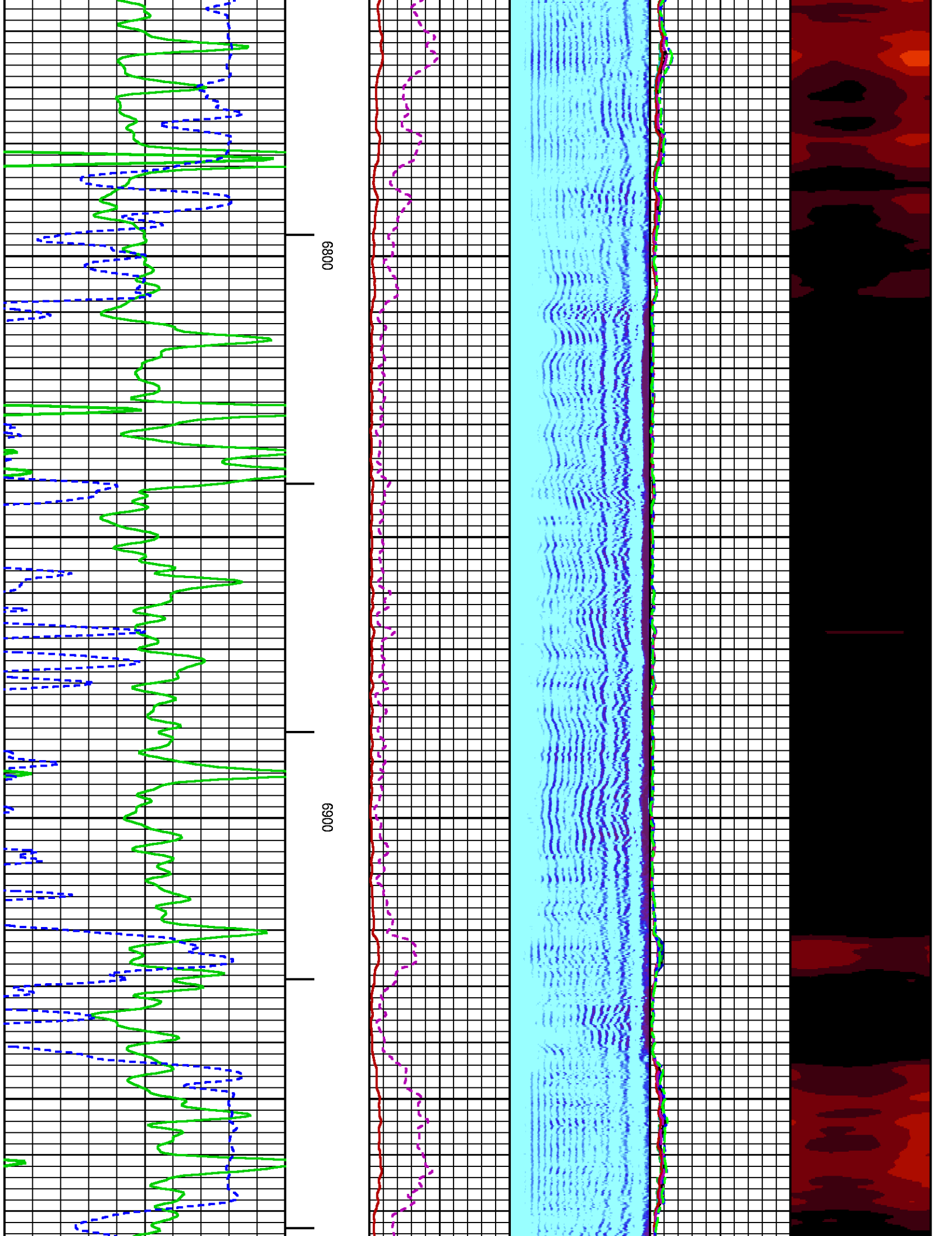


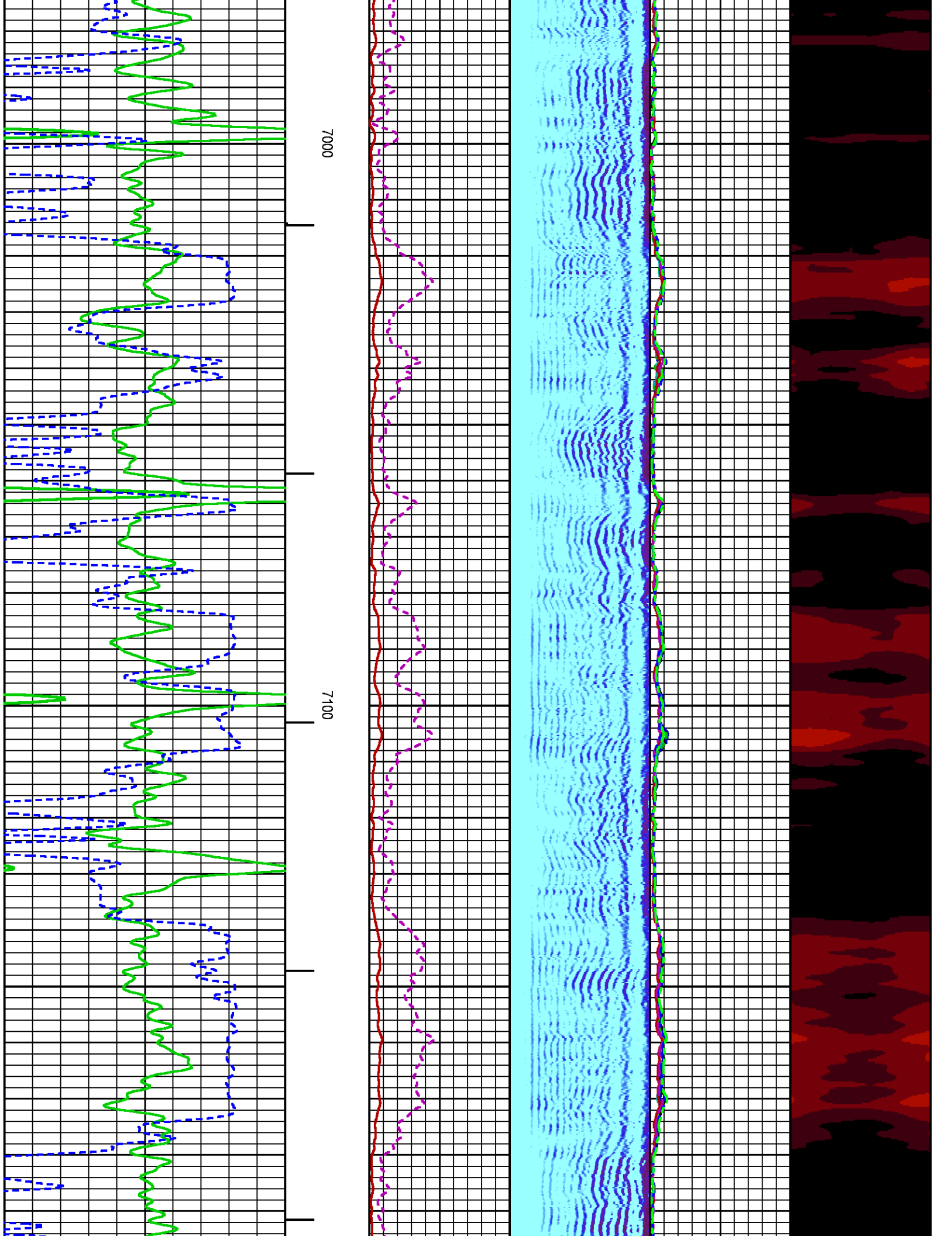


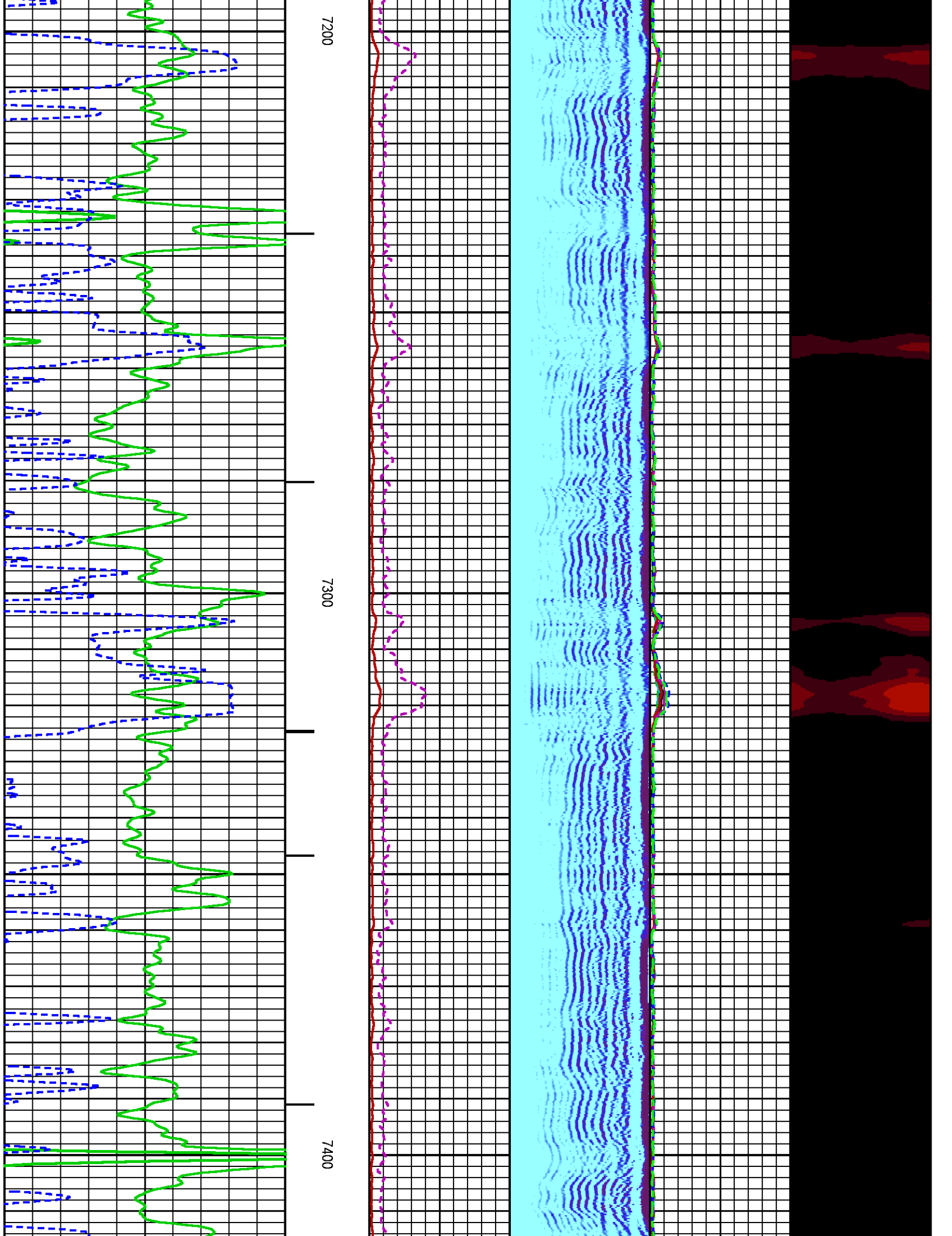


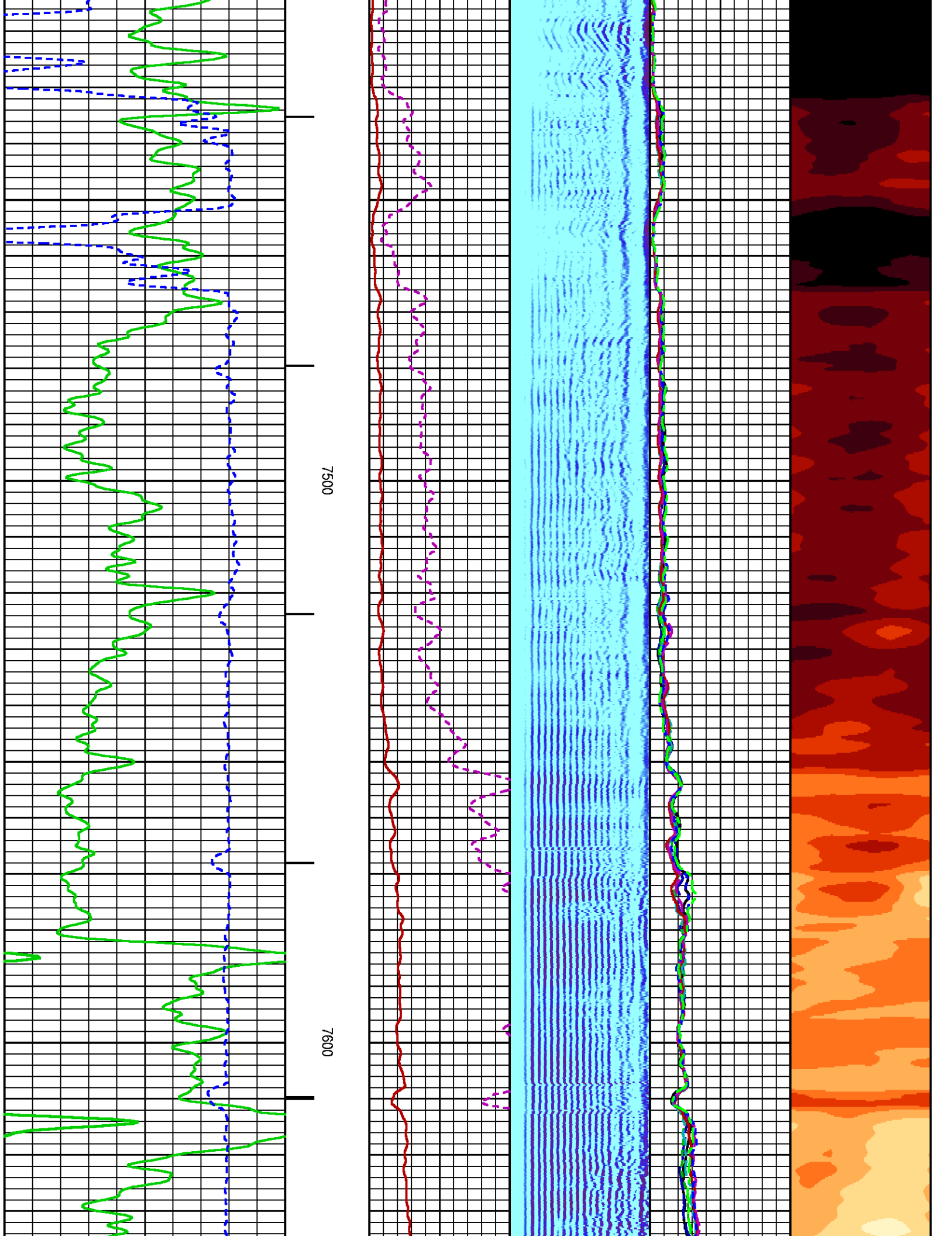


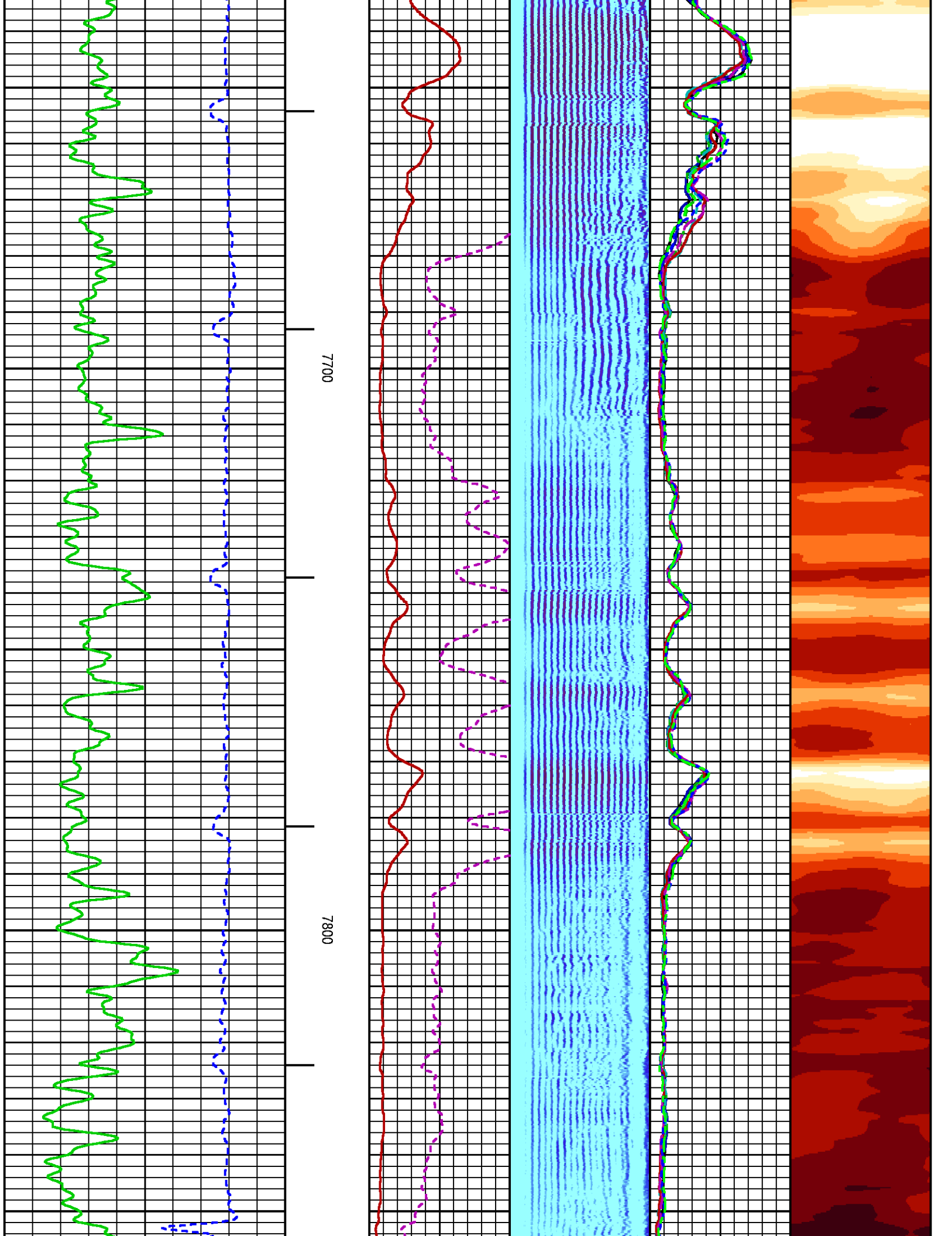


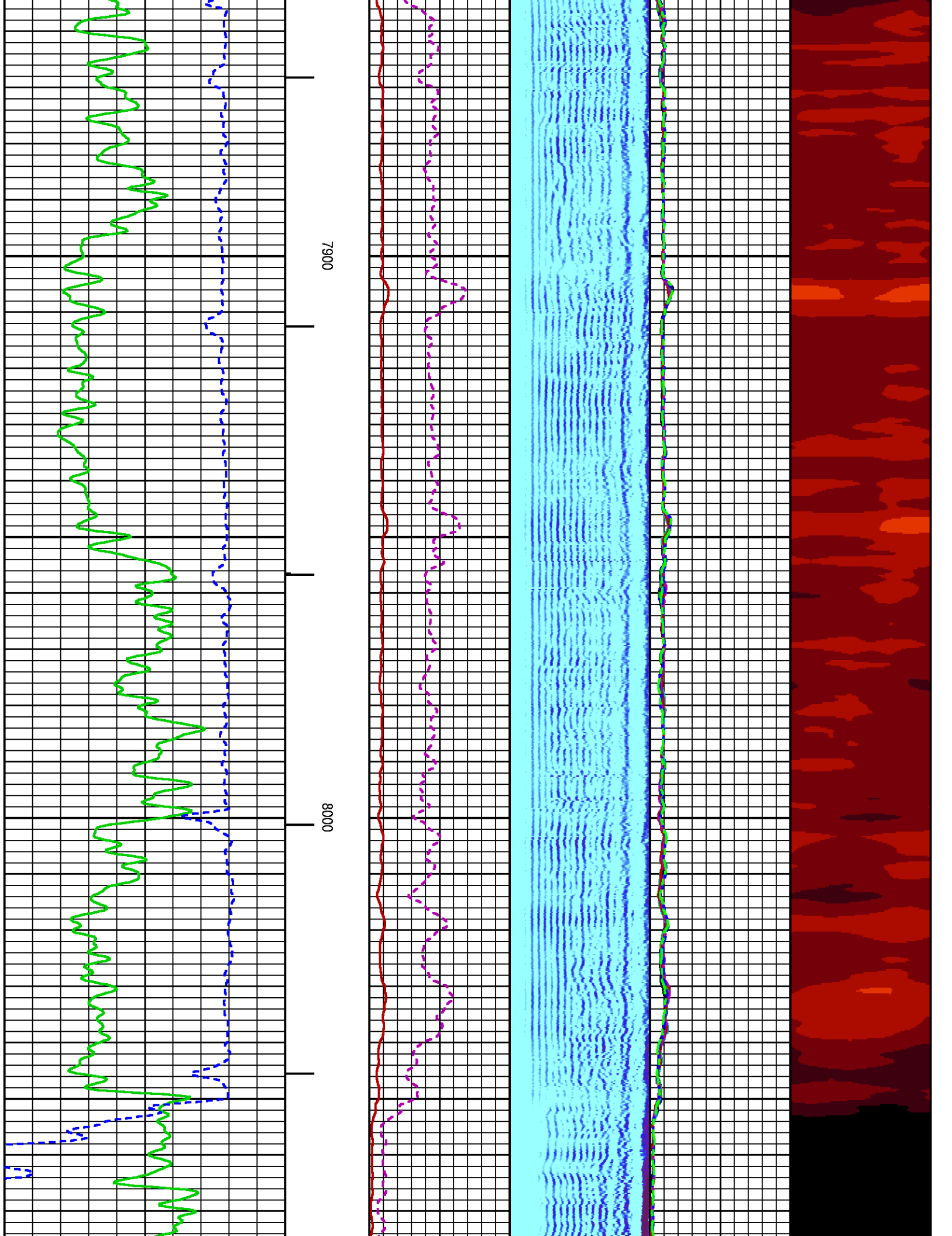


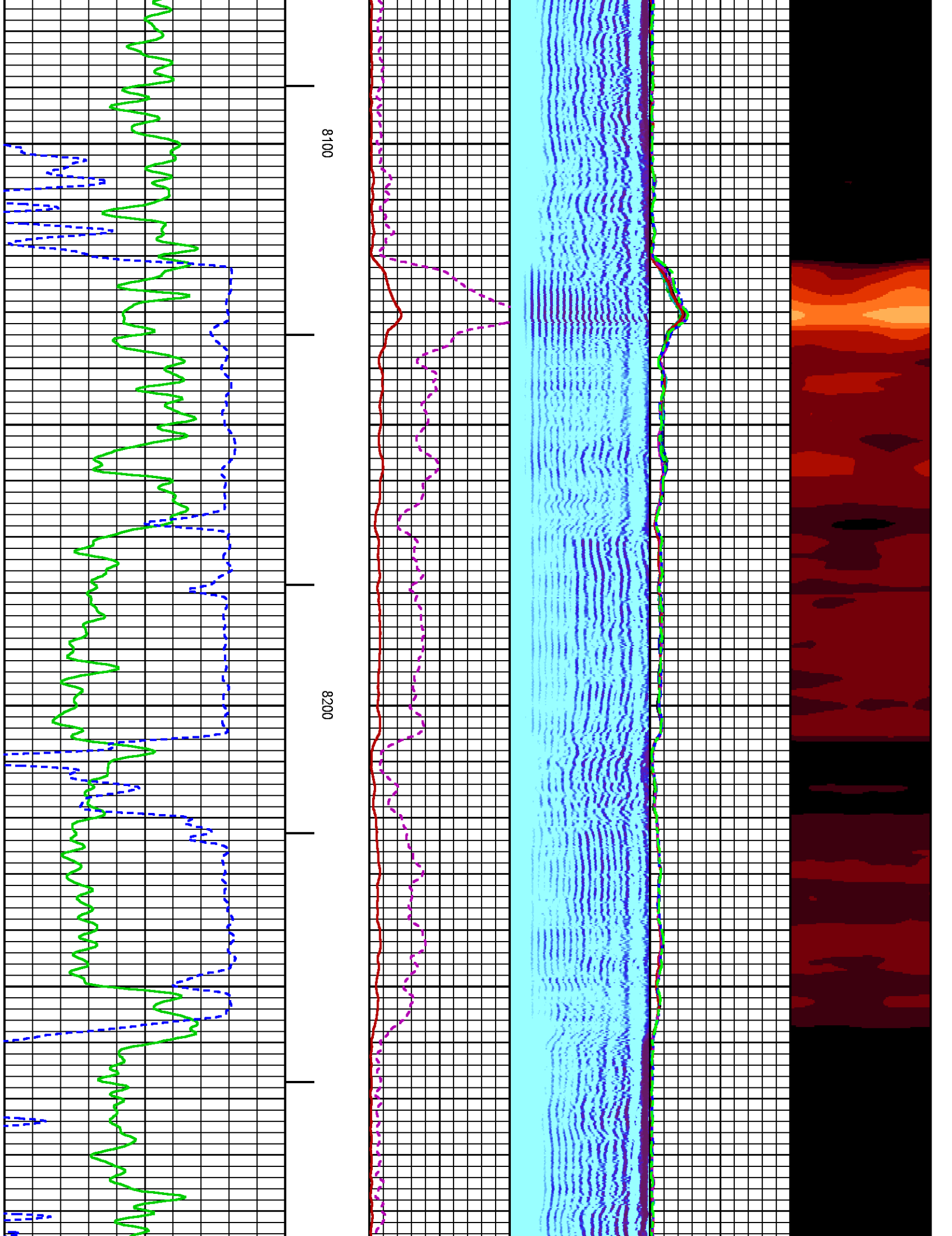


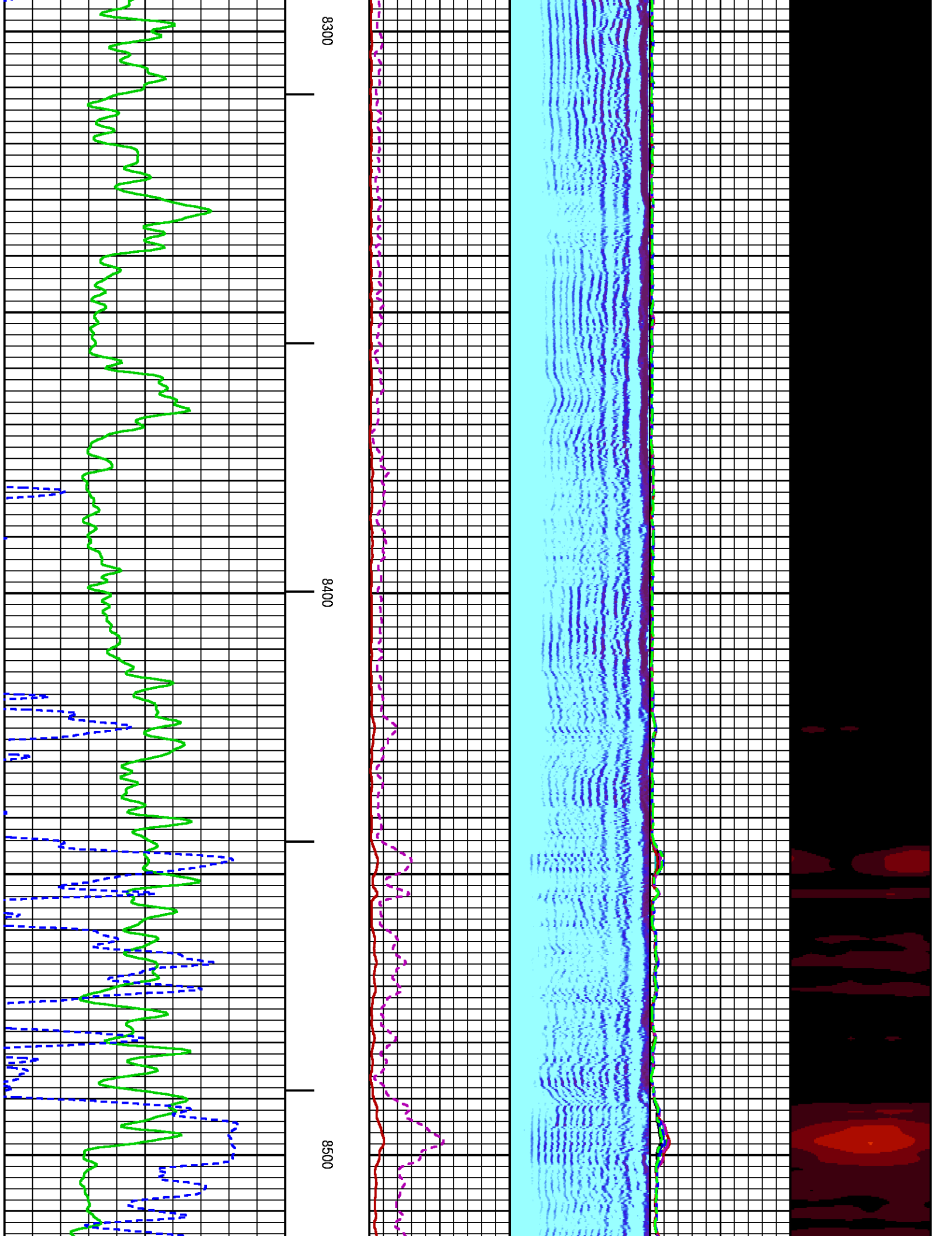


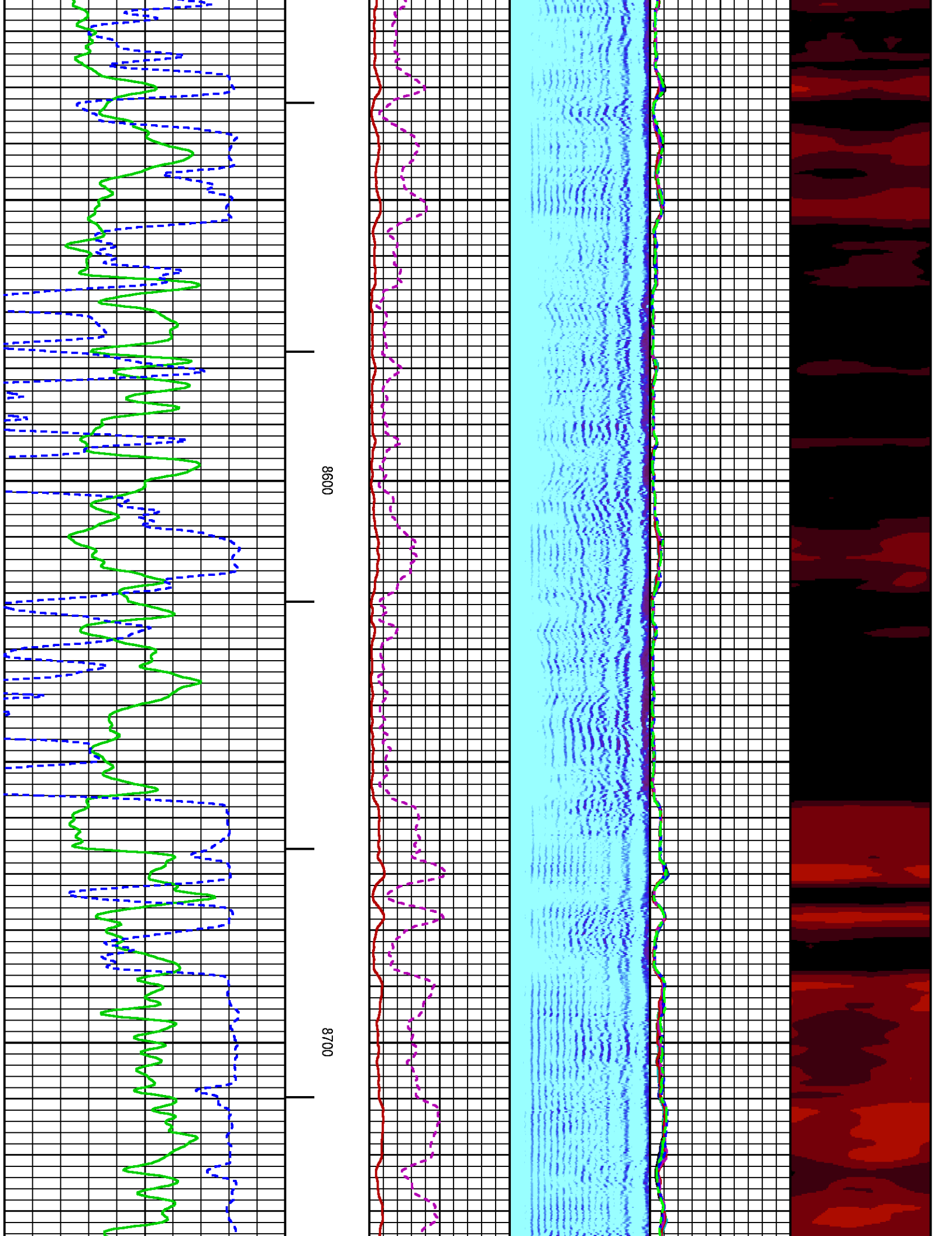


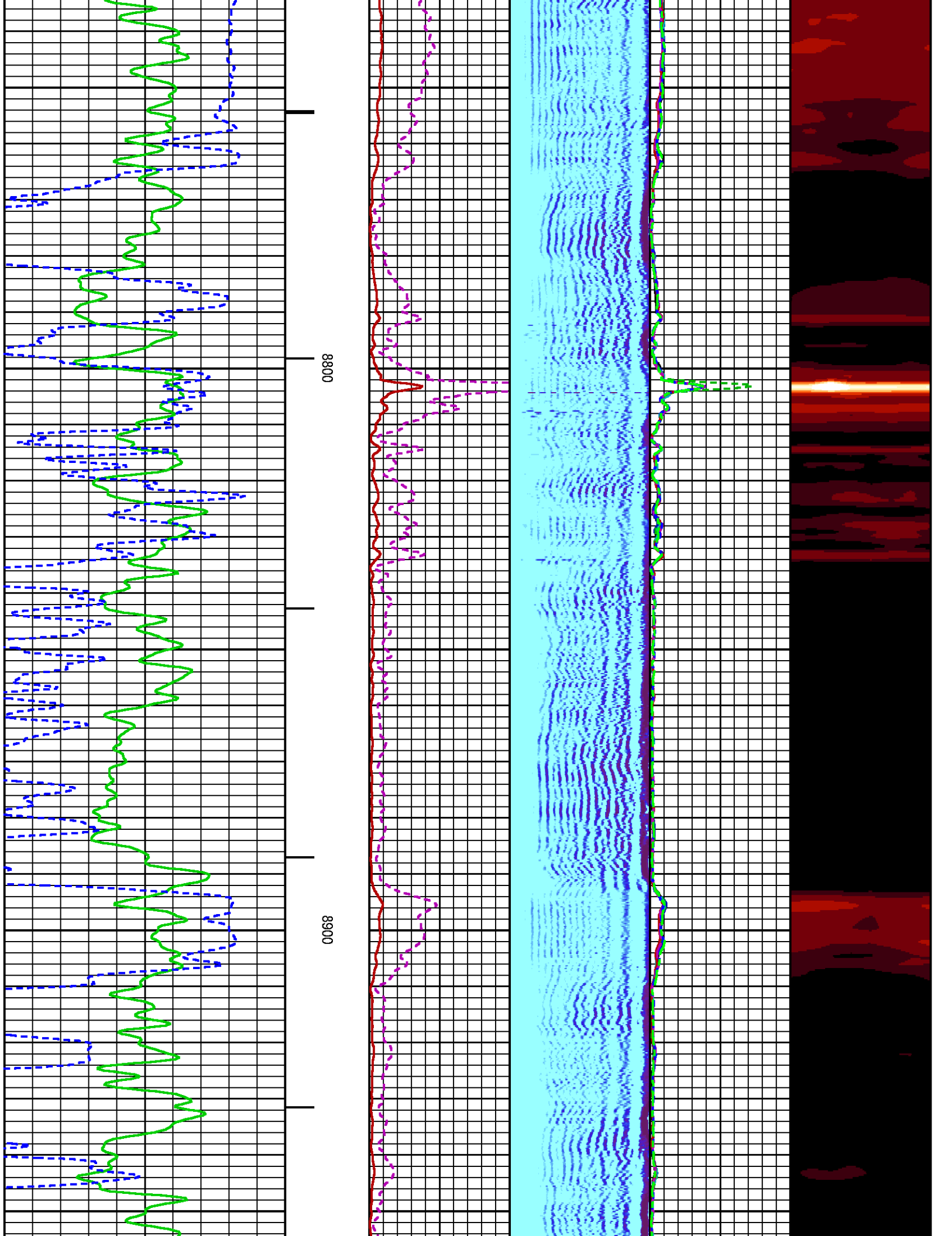


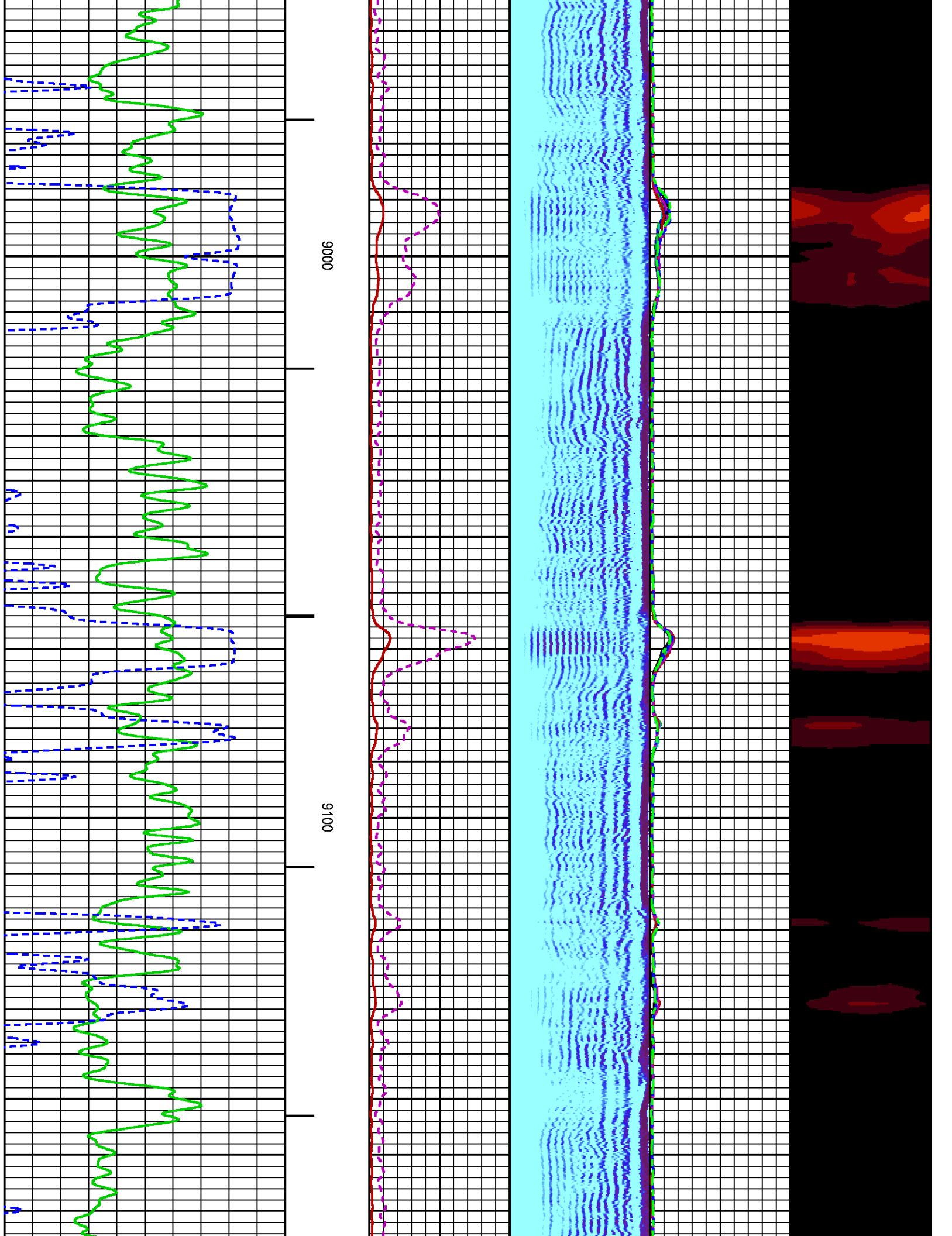


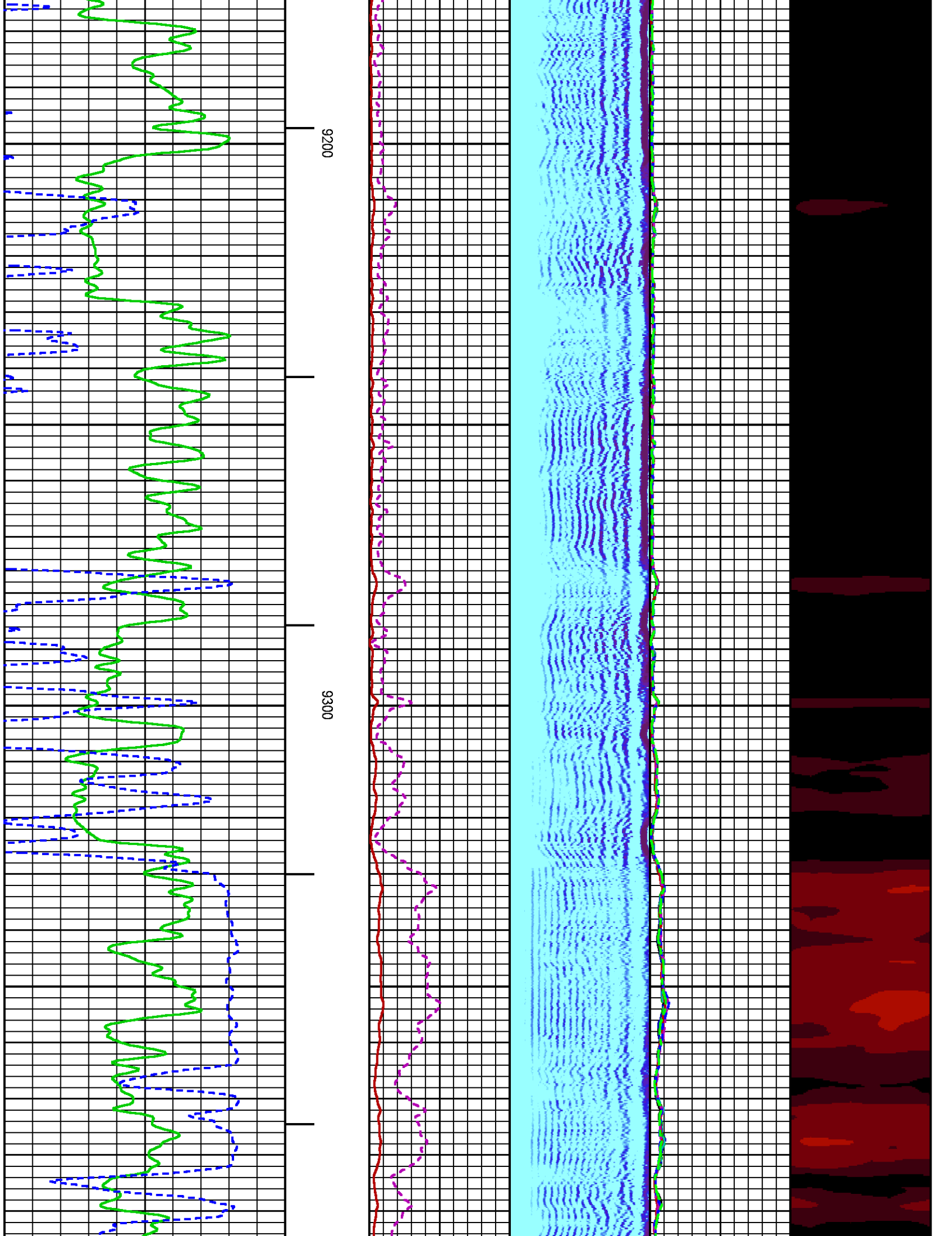


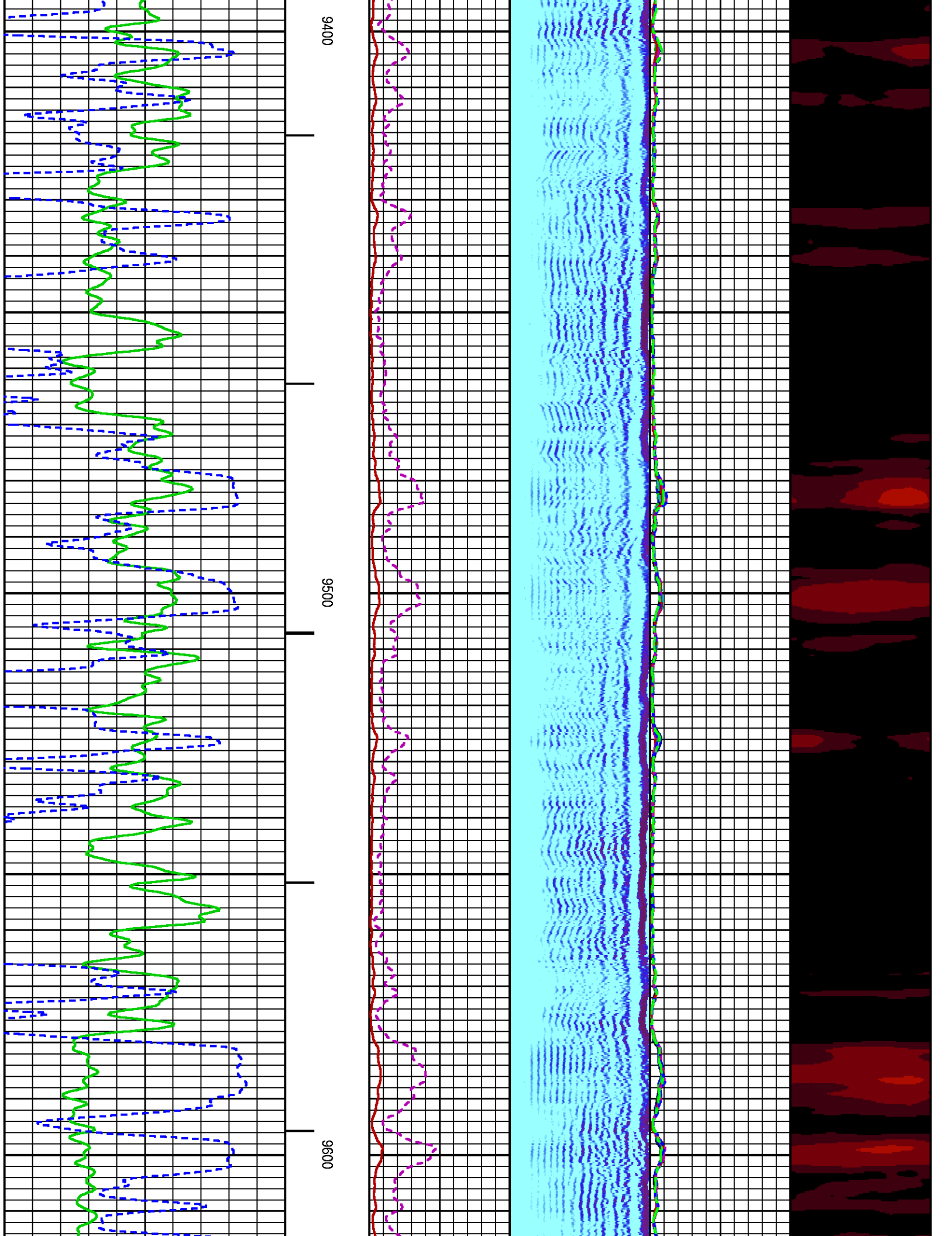


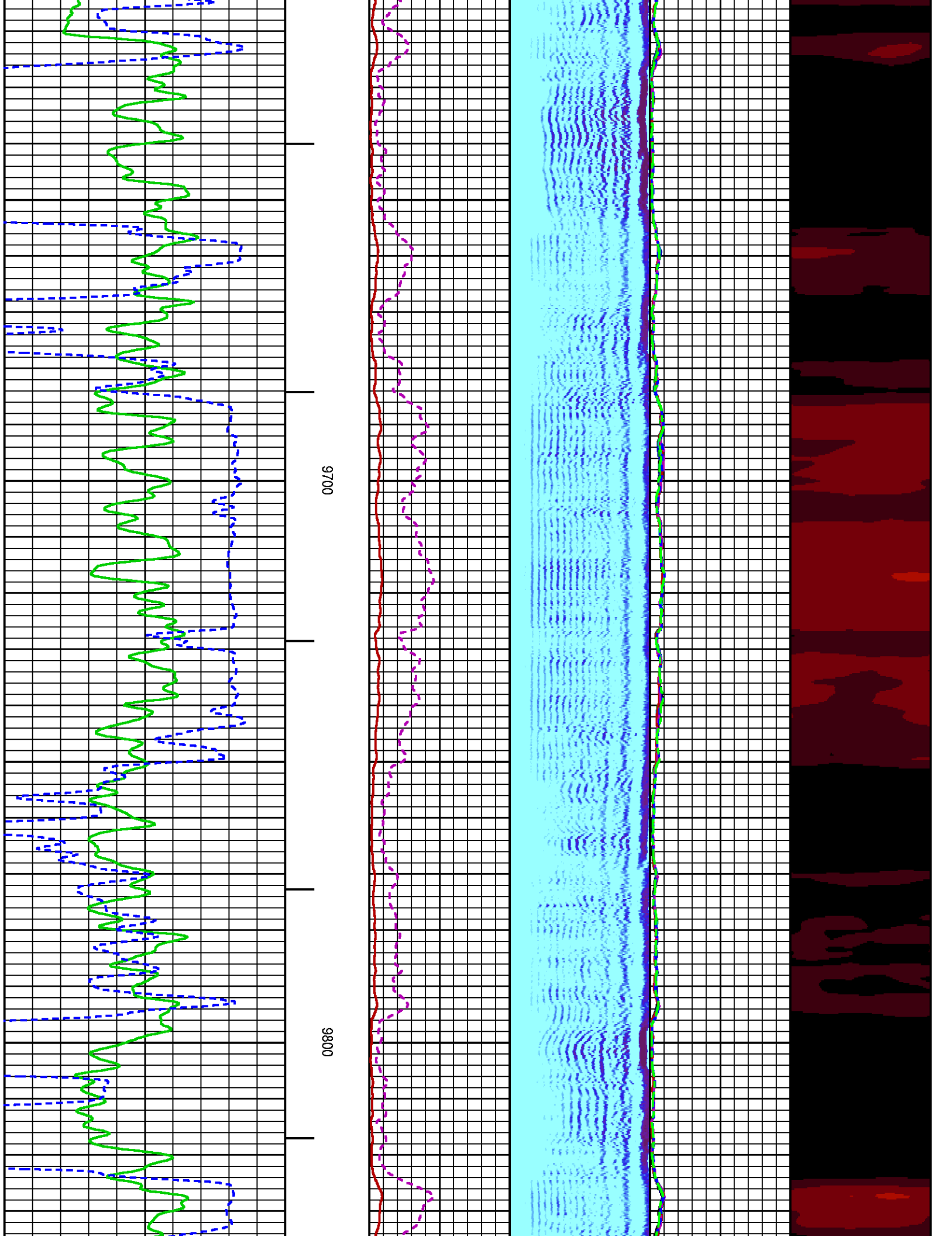


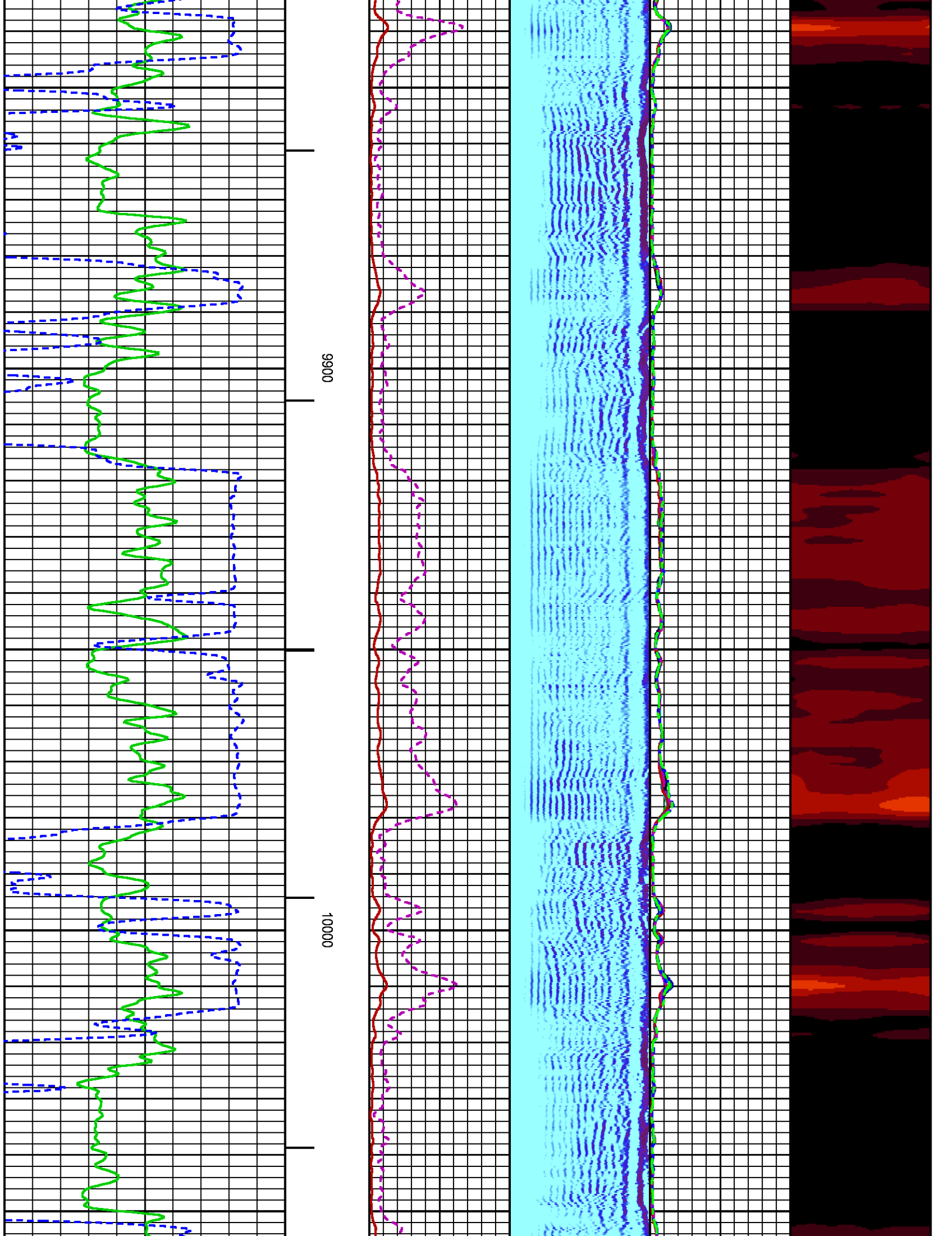


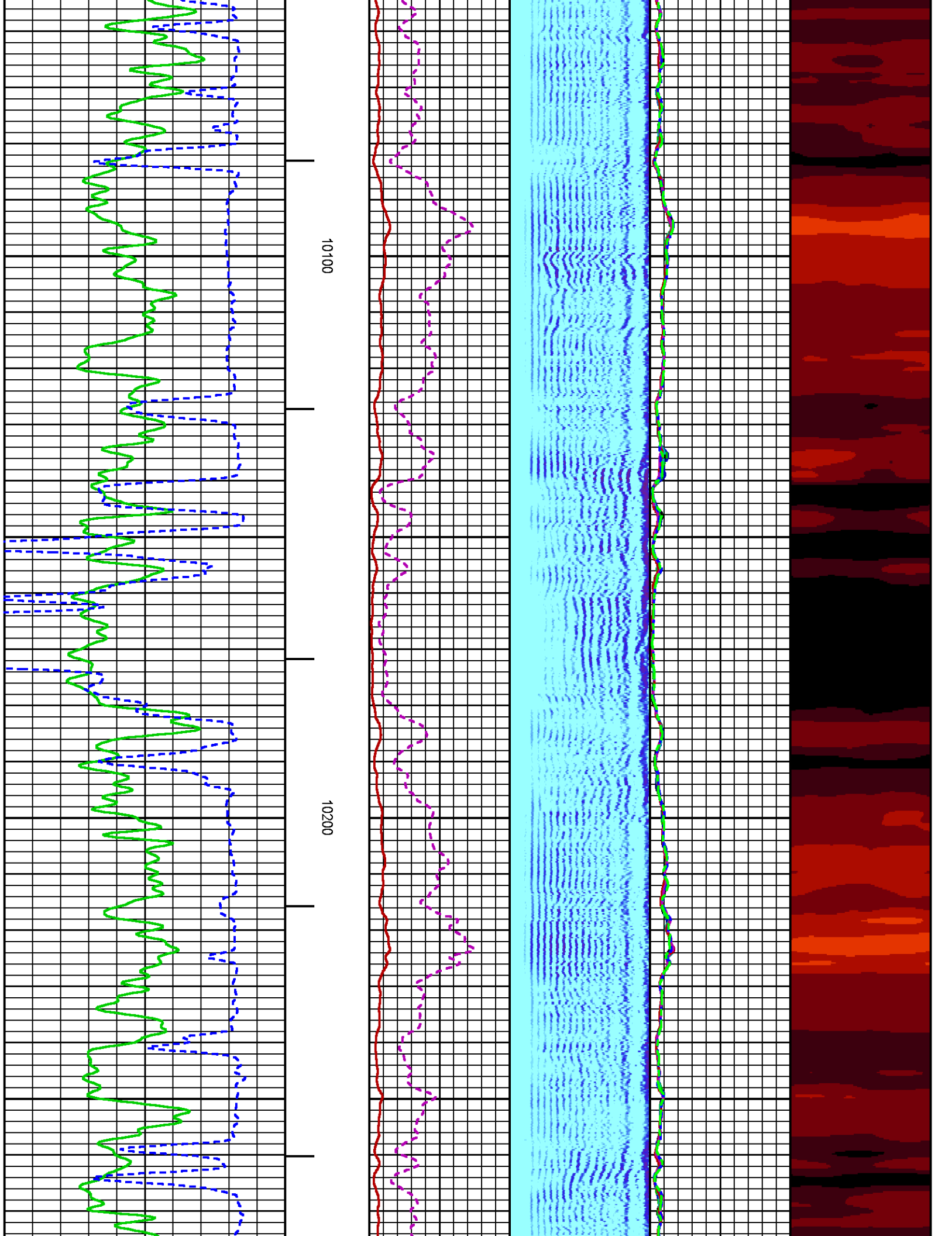


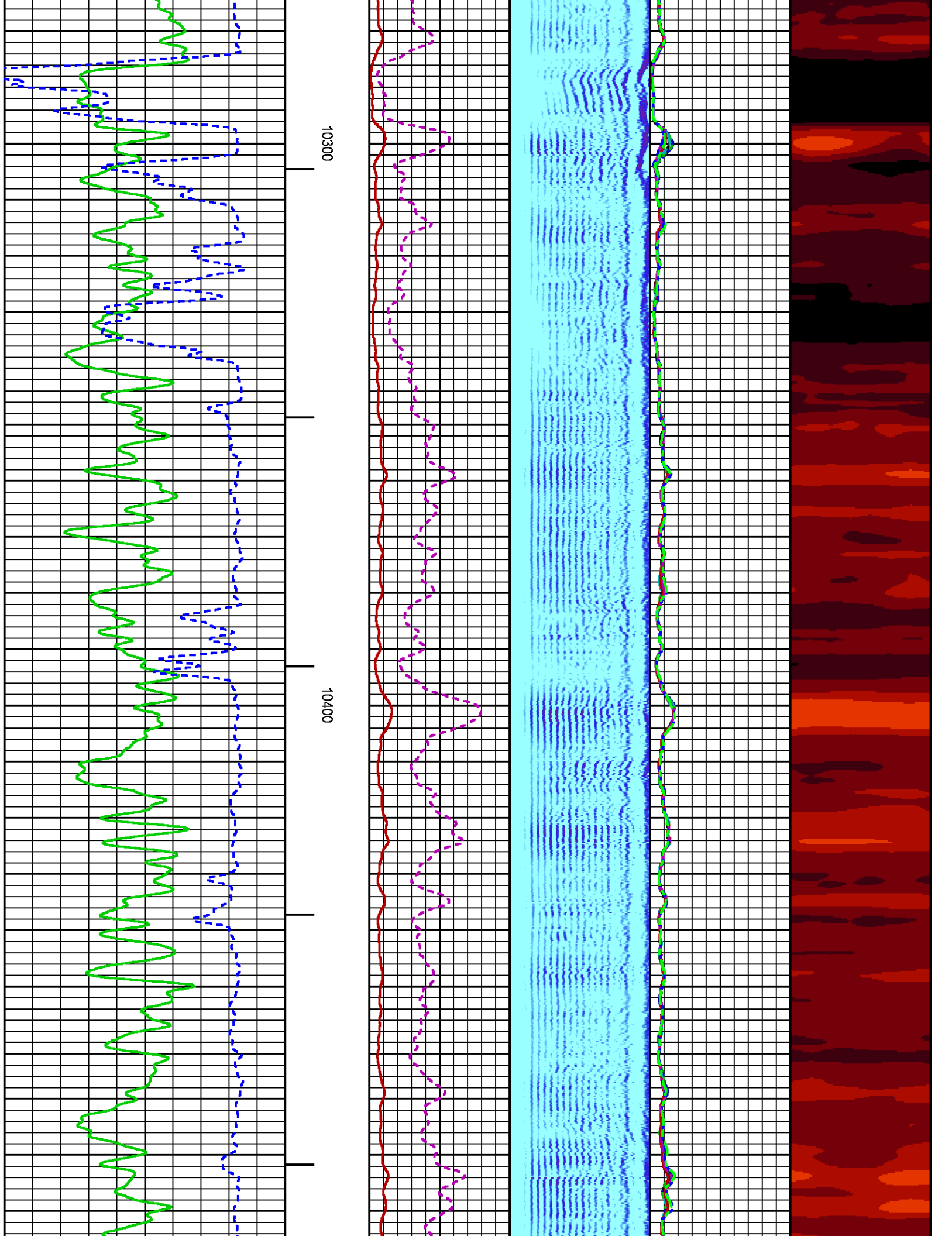


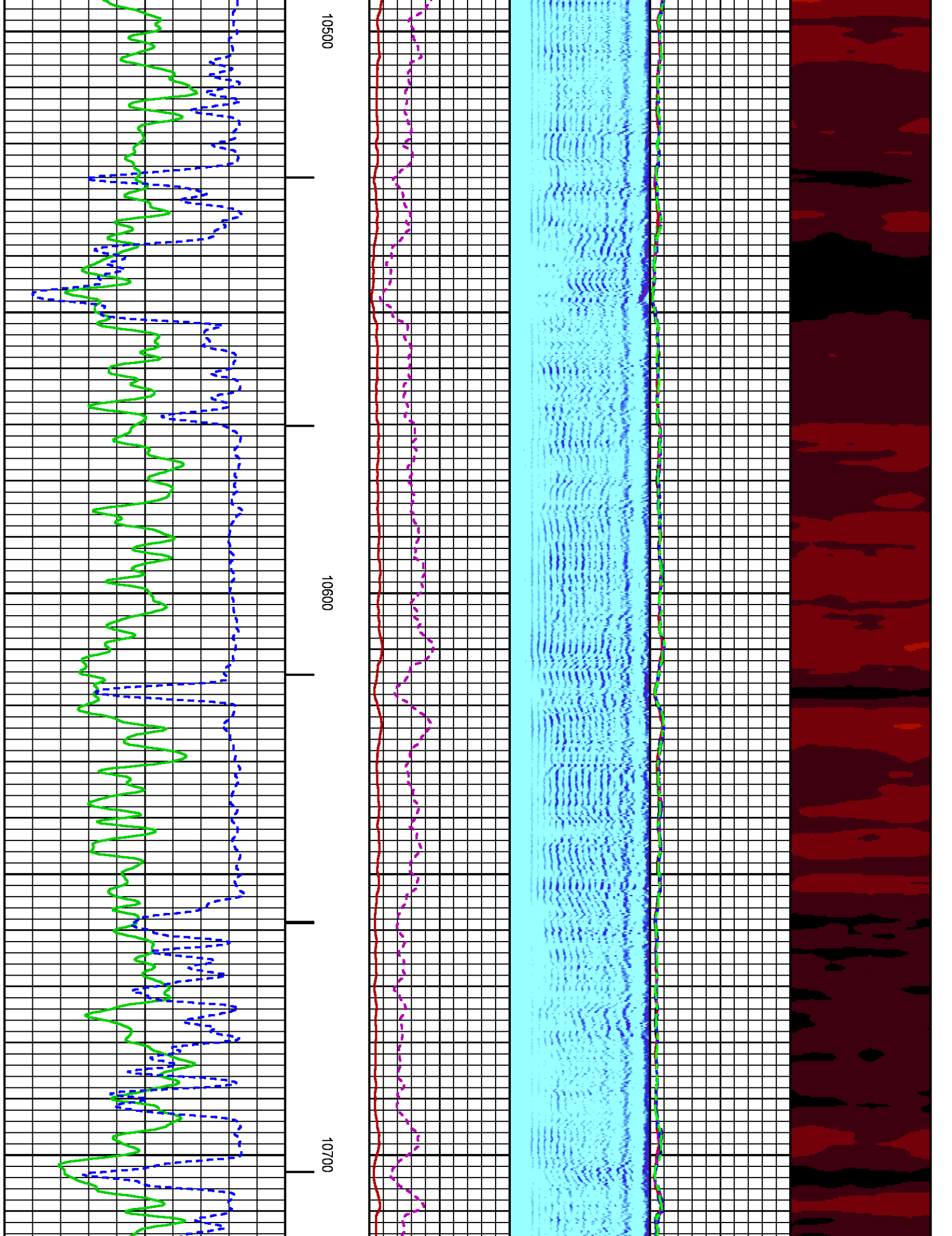


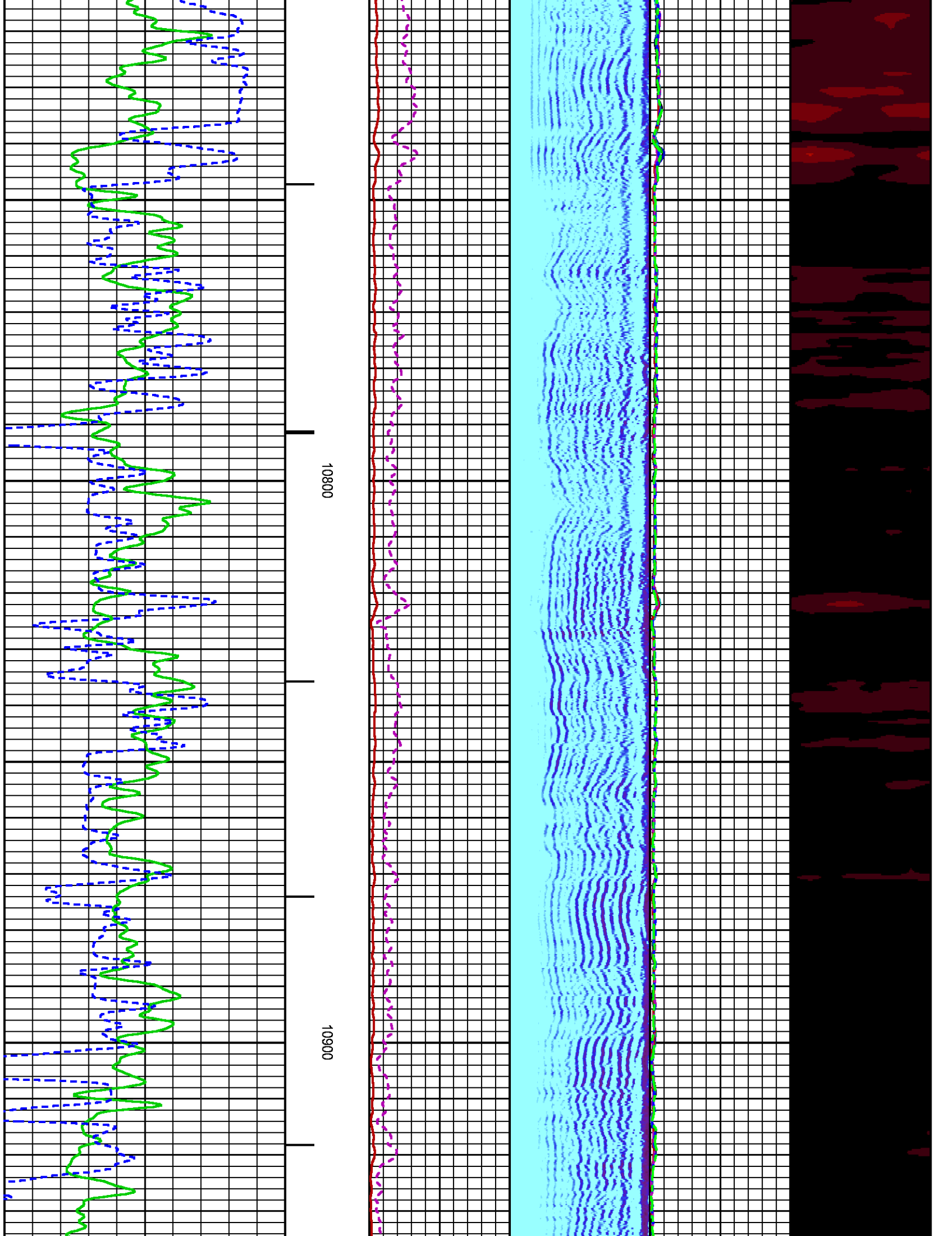


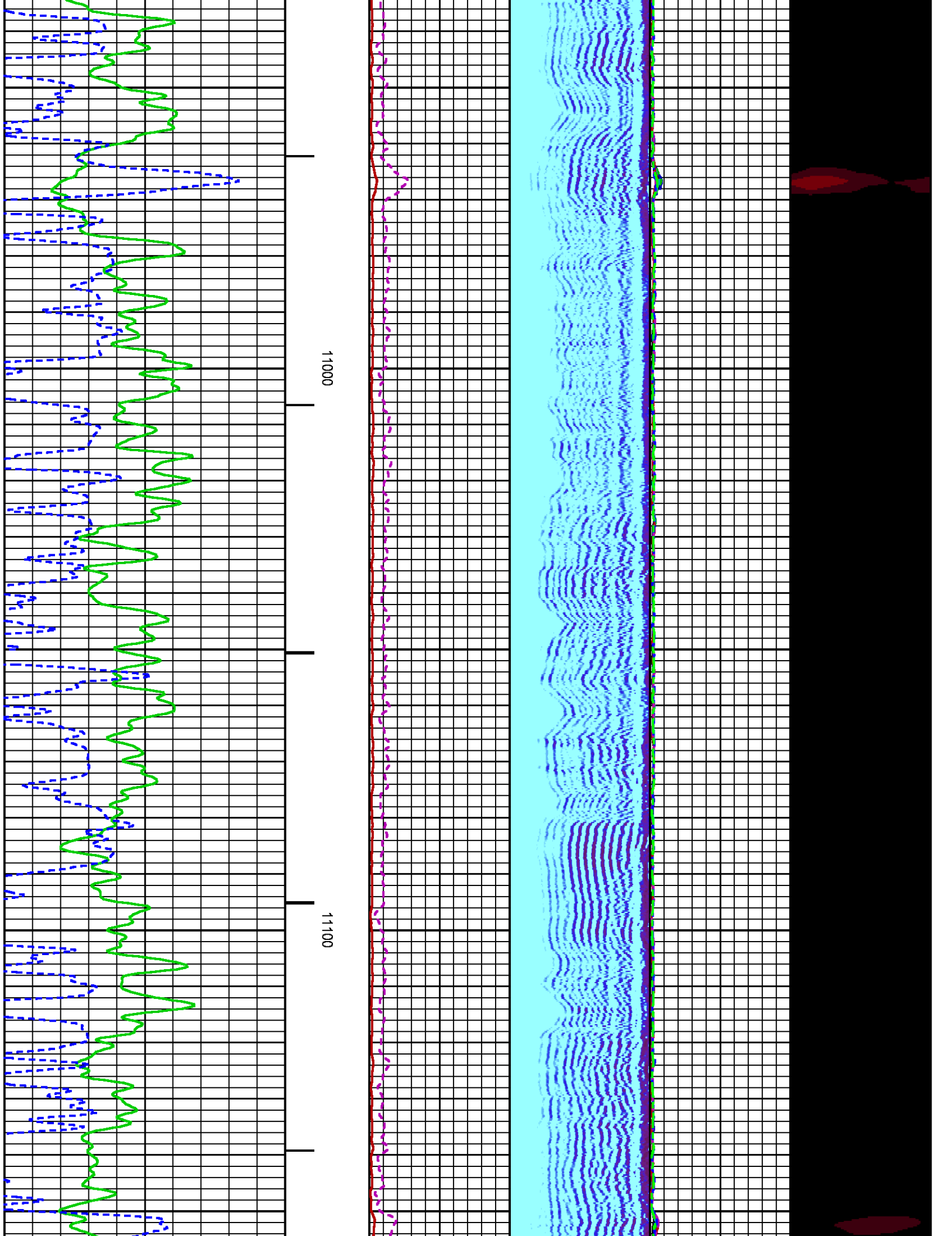


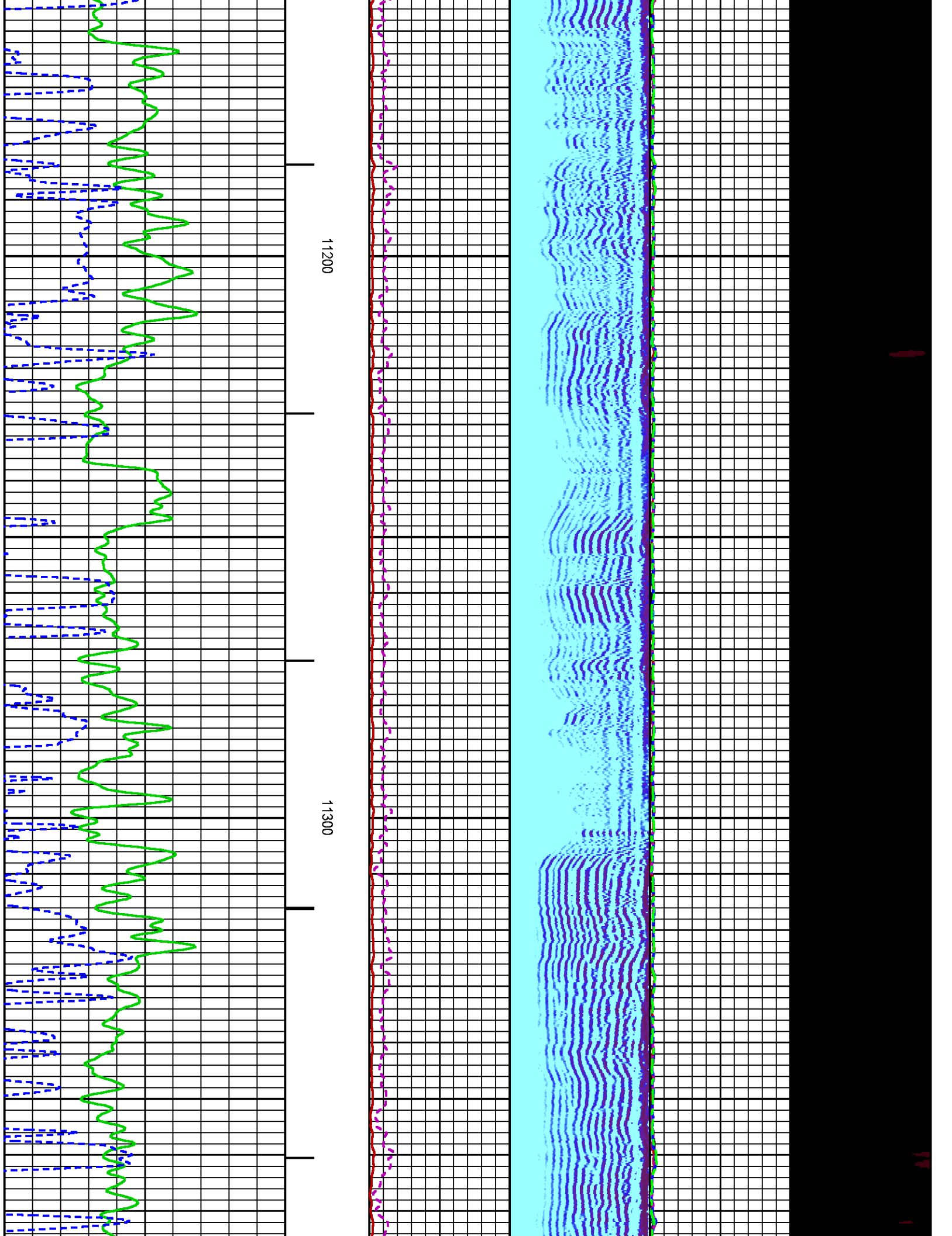


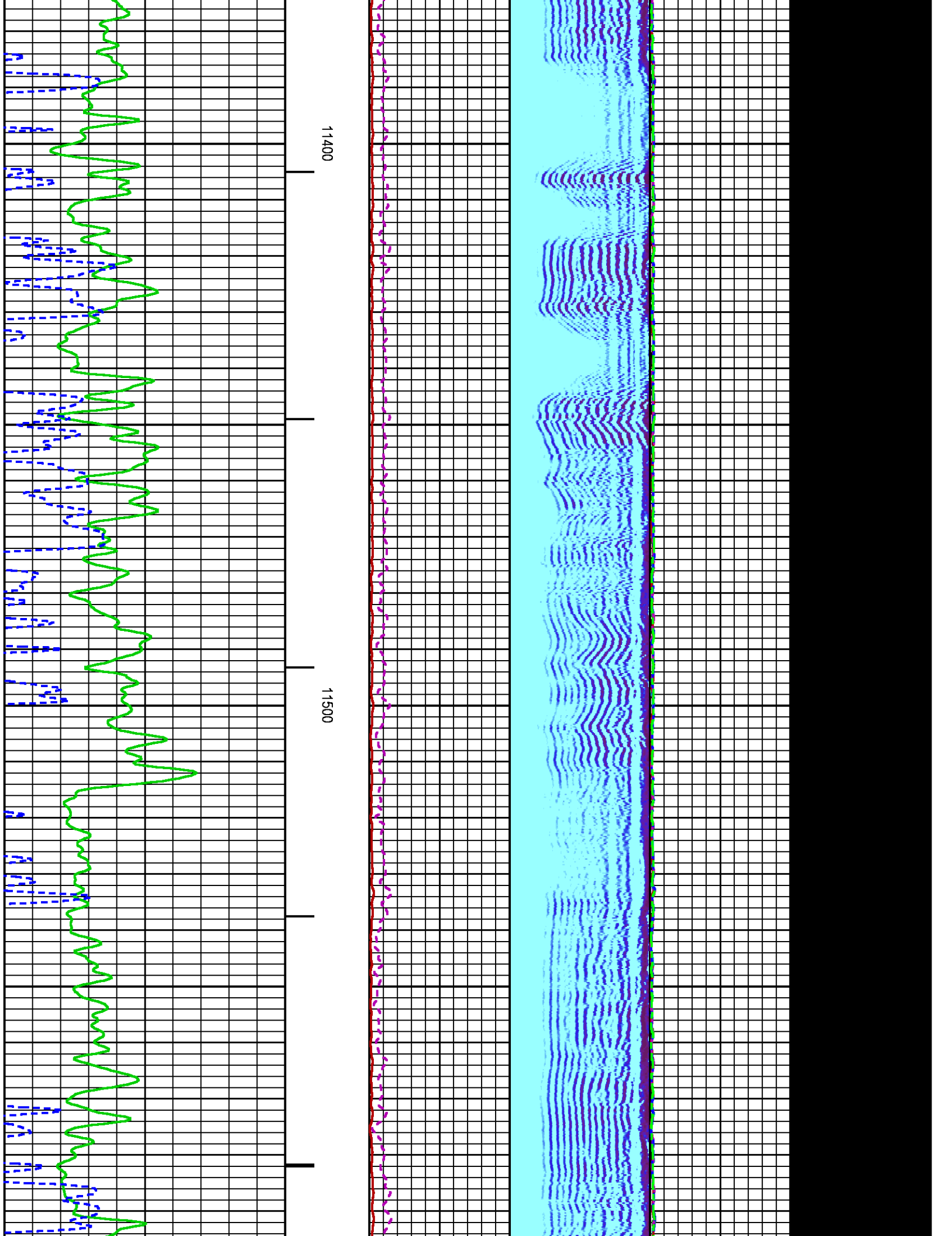


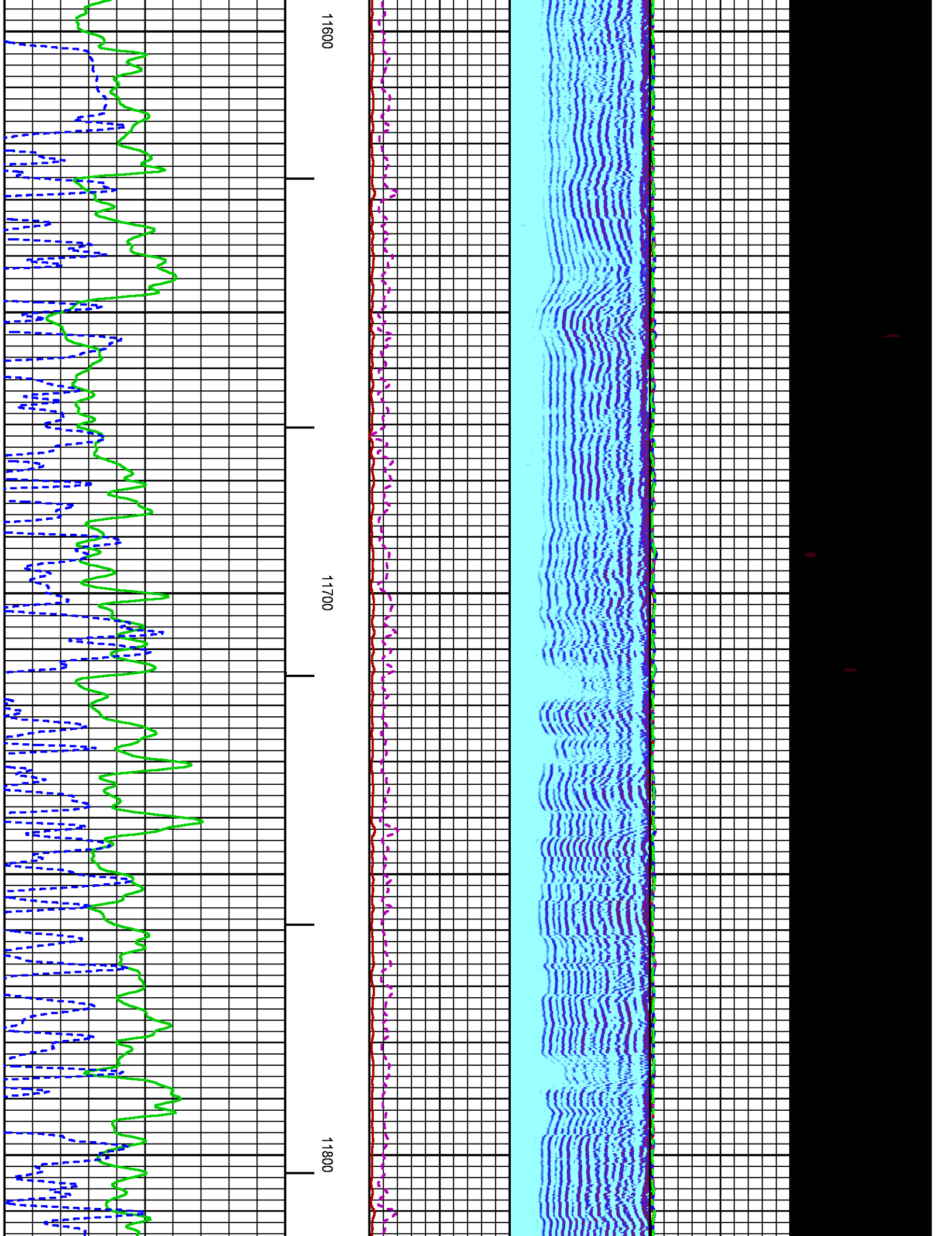


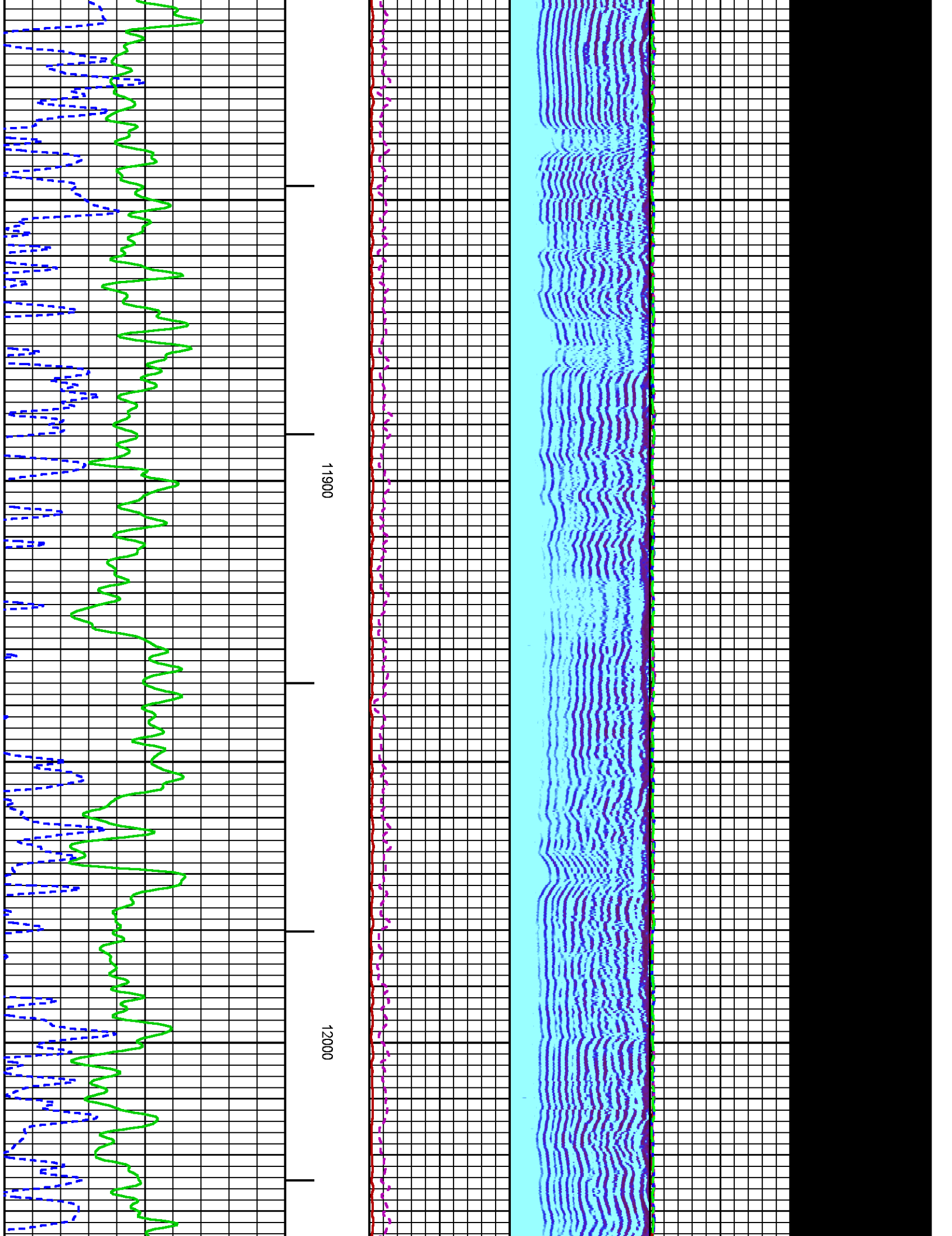


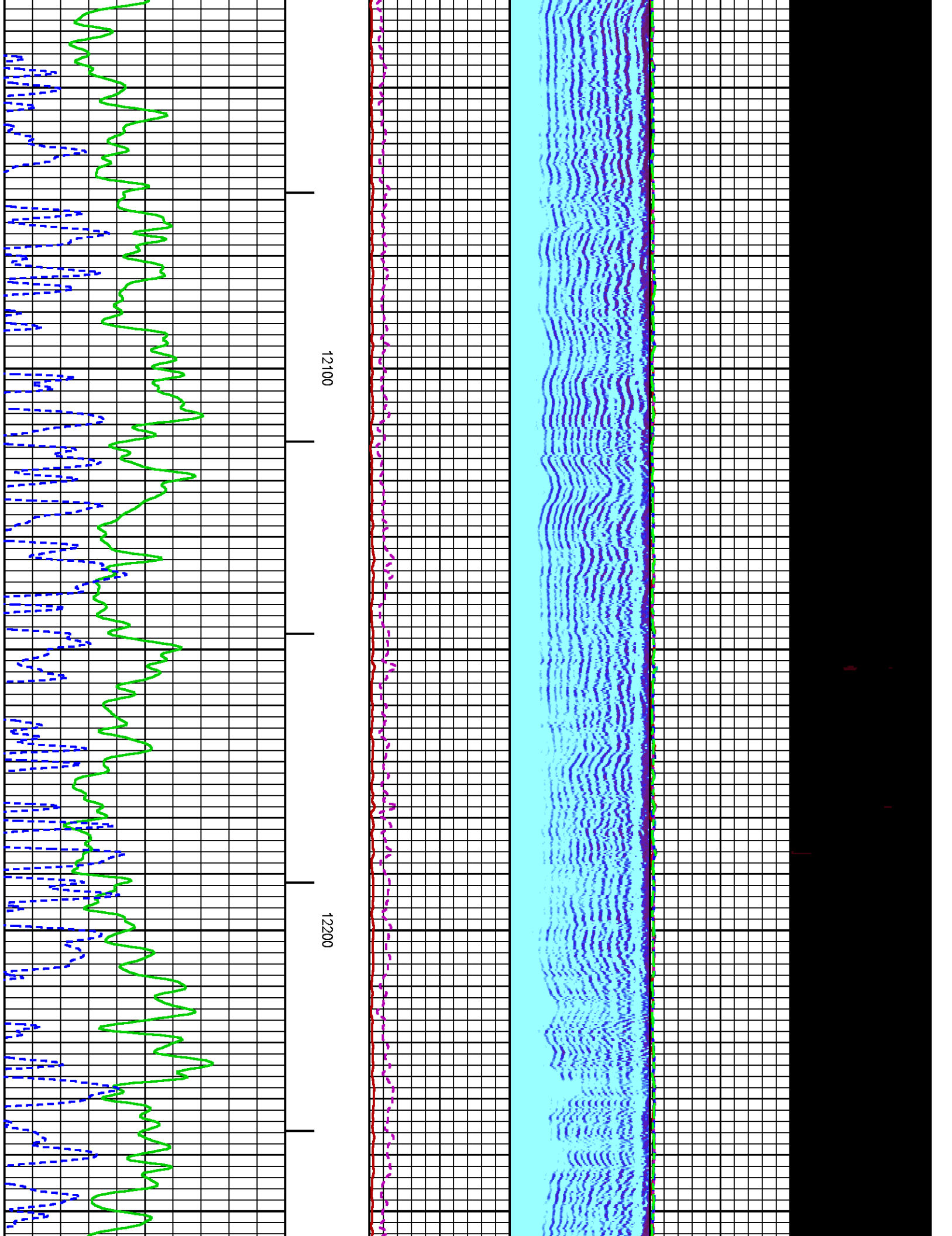


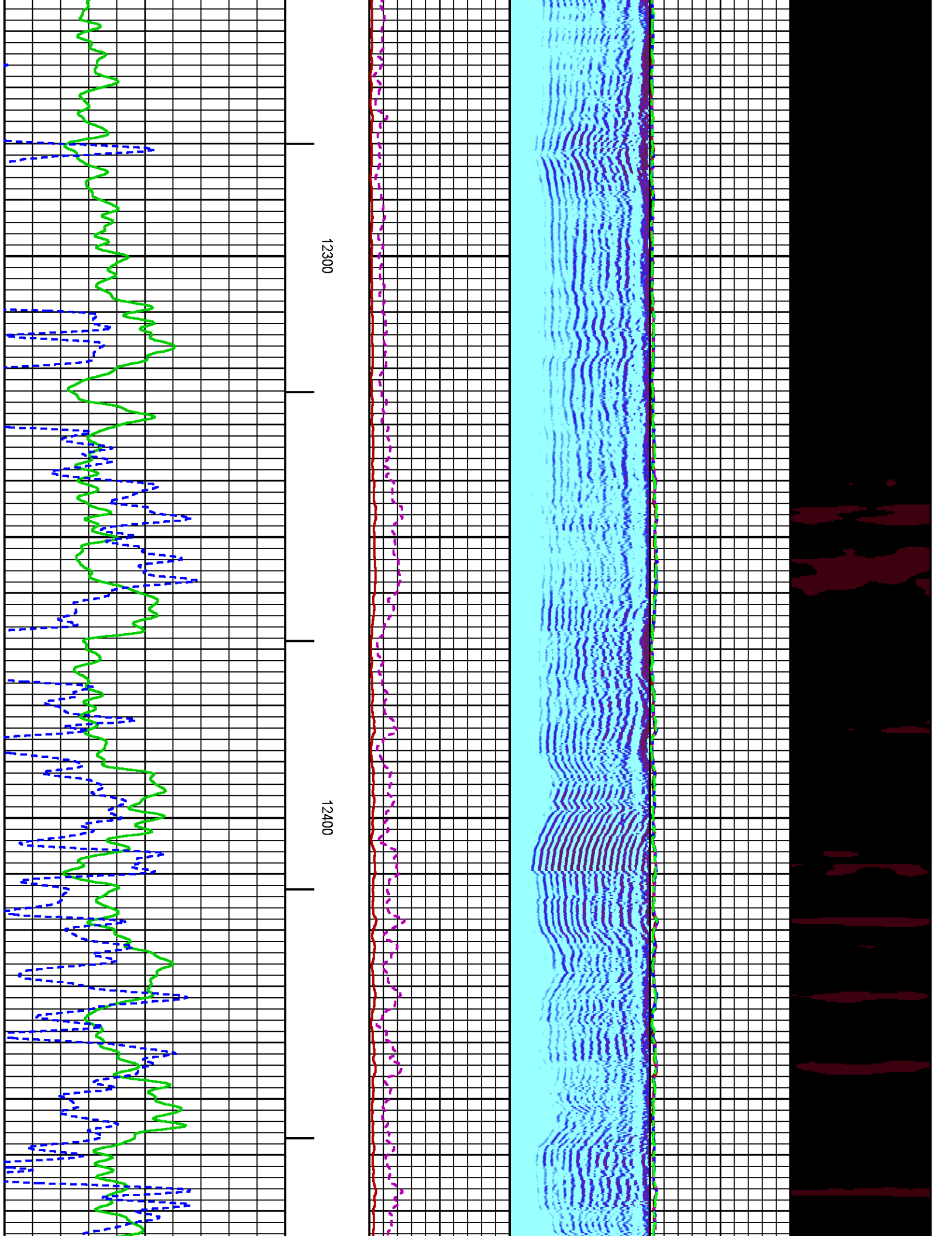


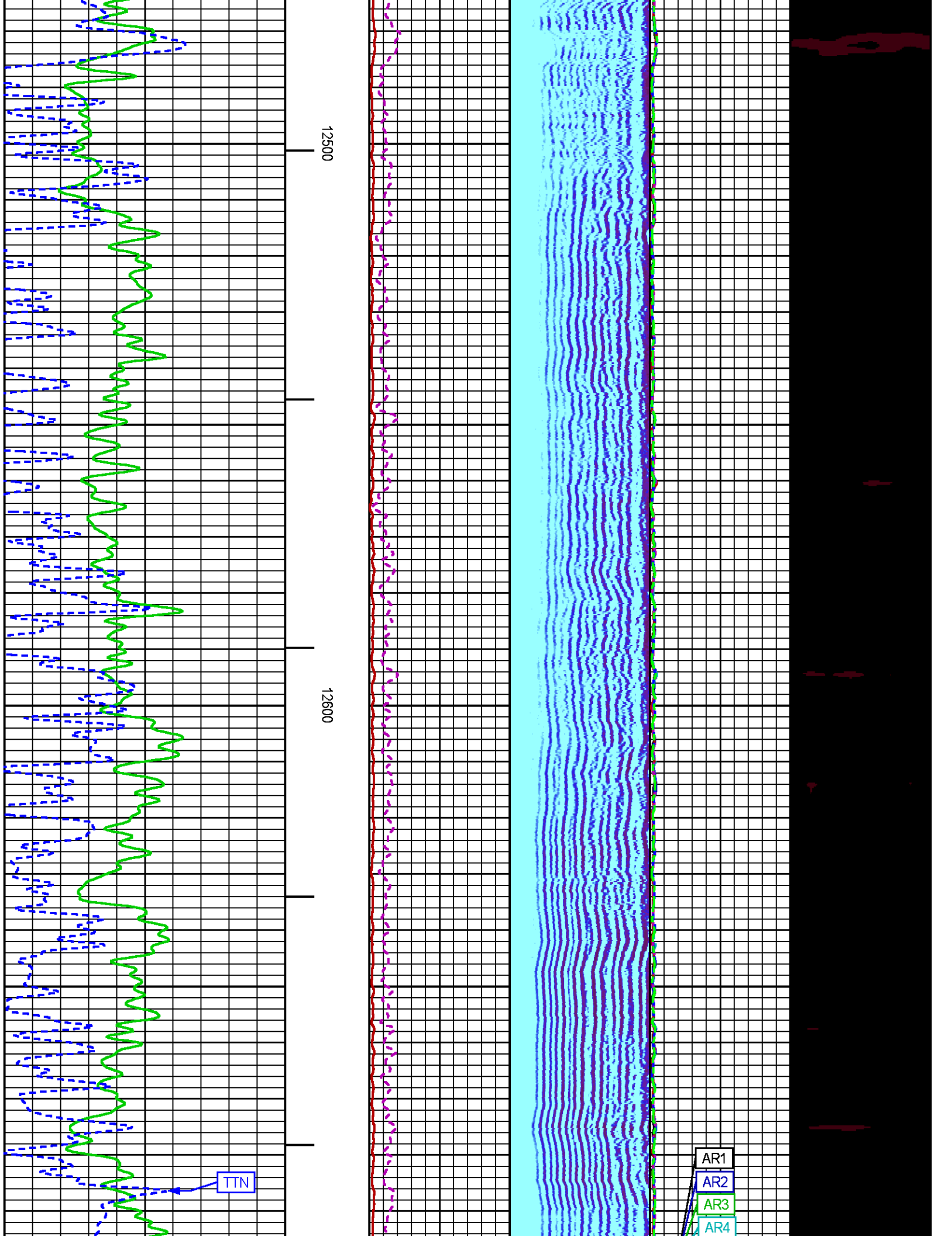


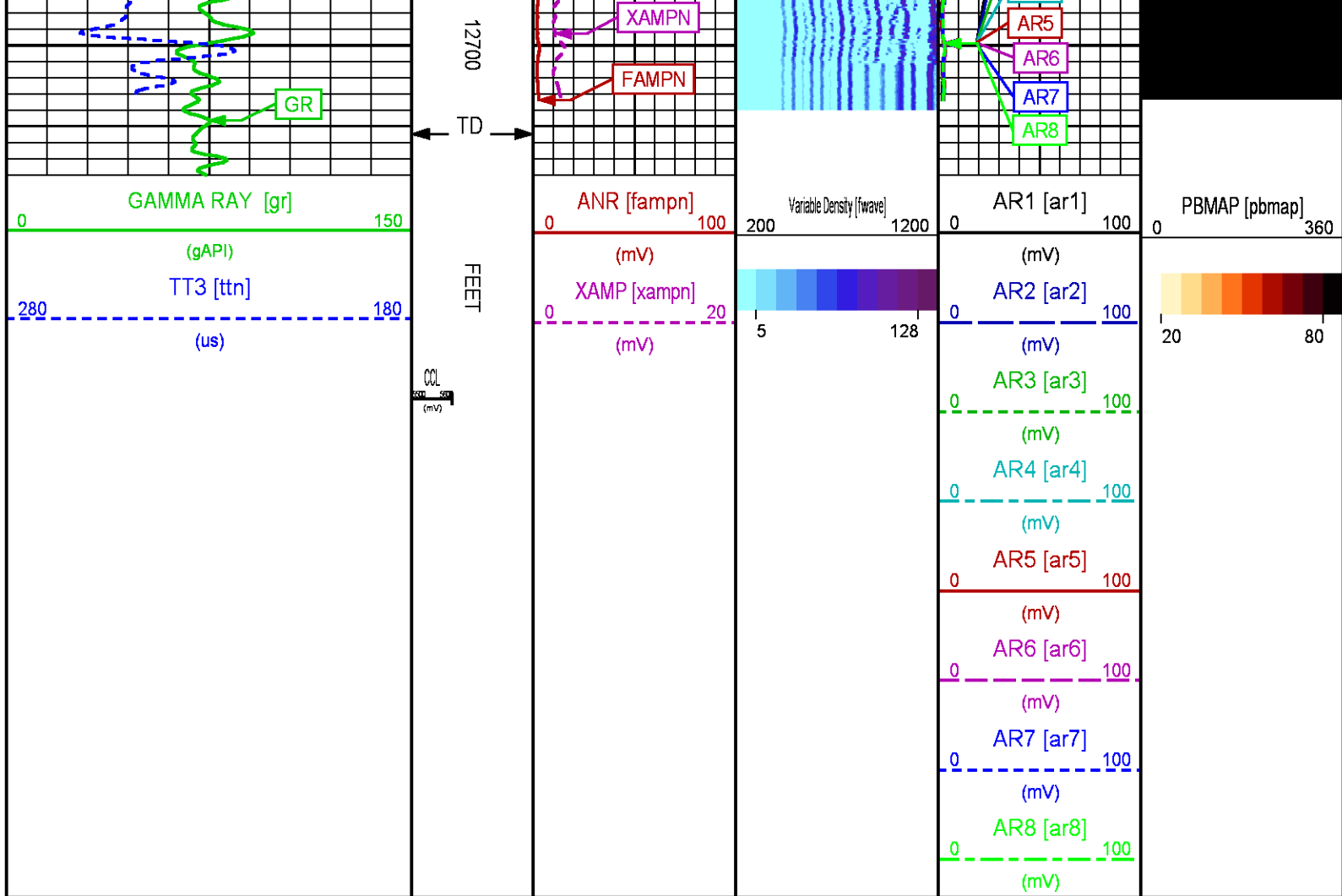












REPEAT LOG 0 PSI

ECLIPS 6.2wu1 PC-ECLIPS General Release Rel 6.2w Update 1 Fri Apr 25 10:54:53 Central Daylight Time 2014
Updates: 46 Patches: 5

Plotted: Mon Dec 15 17:40:45 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\092546\012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 12398.250 ft BOTTOM DEPTH: 12725.000 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*)	183	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	175	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*)	-70	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

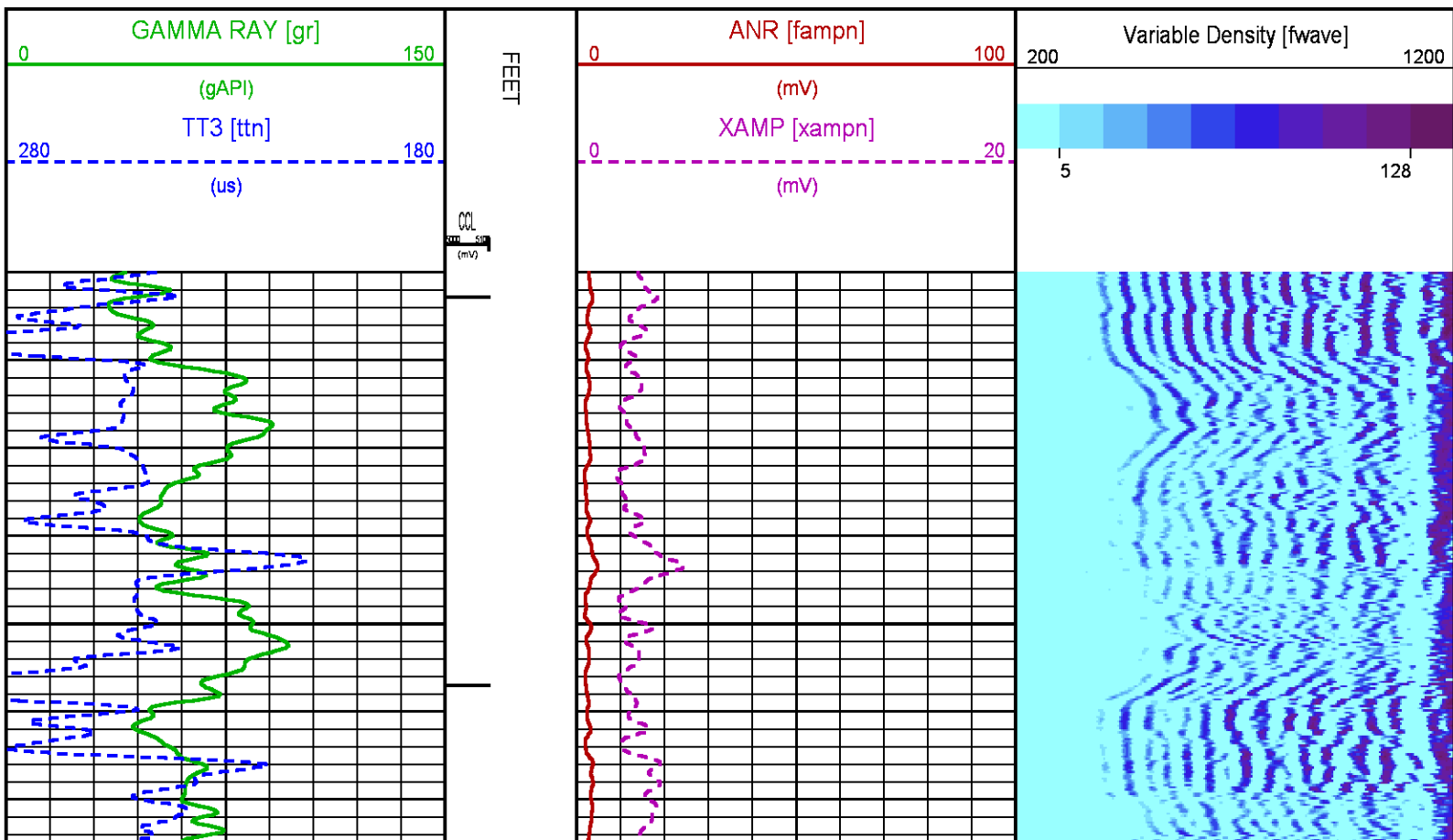
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Dec 15 11:42:42 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 15 11:42:42 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 15 11:42:42 2014	FAR WAVE FORM
F1:GR	Dec 15 11:42:42 2014	GAMMA RAY
F1:TTN	Dec 15 11:42:42 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 15 11:42:42 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

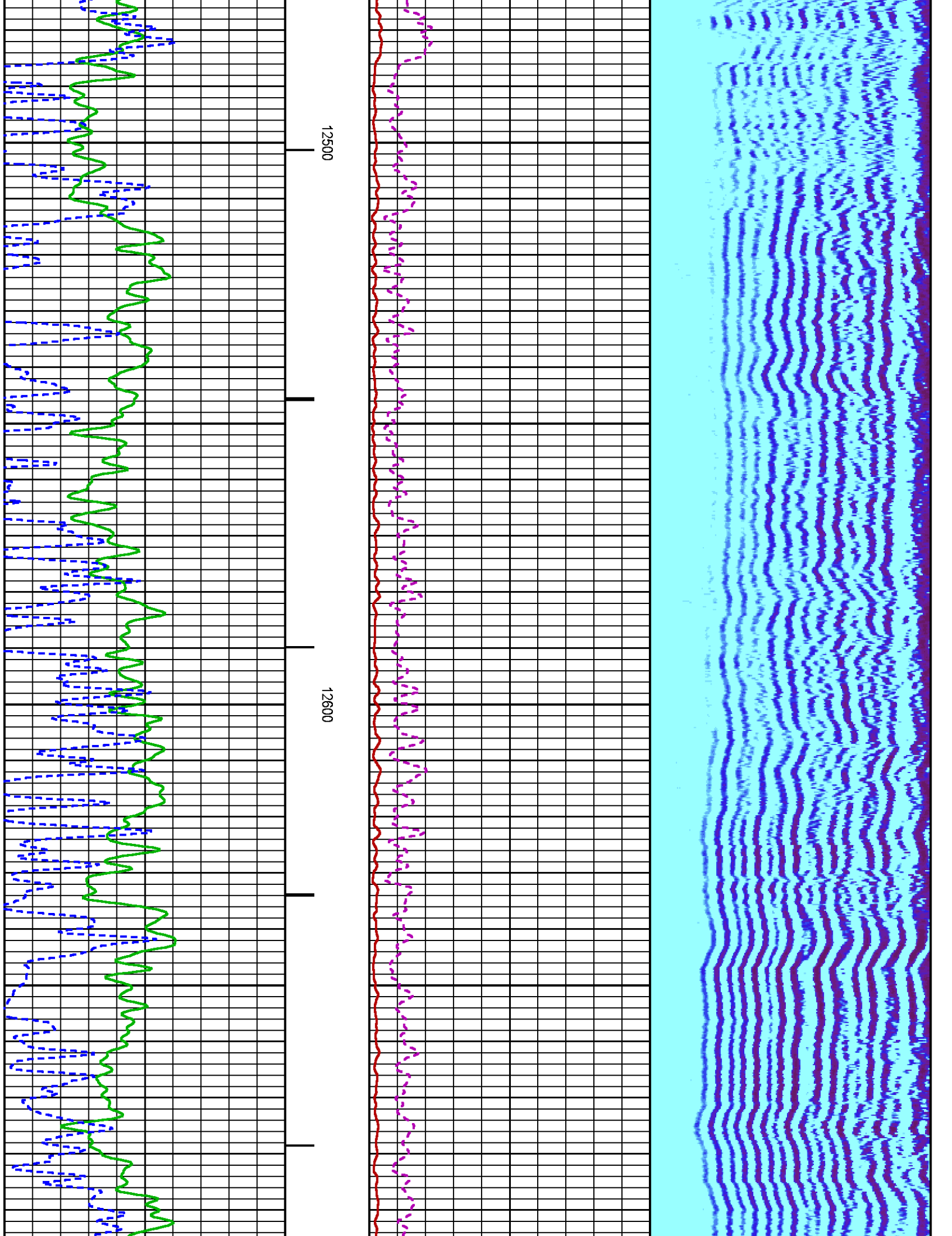
CURVE MEASURE POINT OFFSET

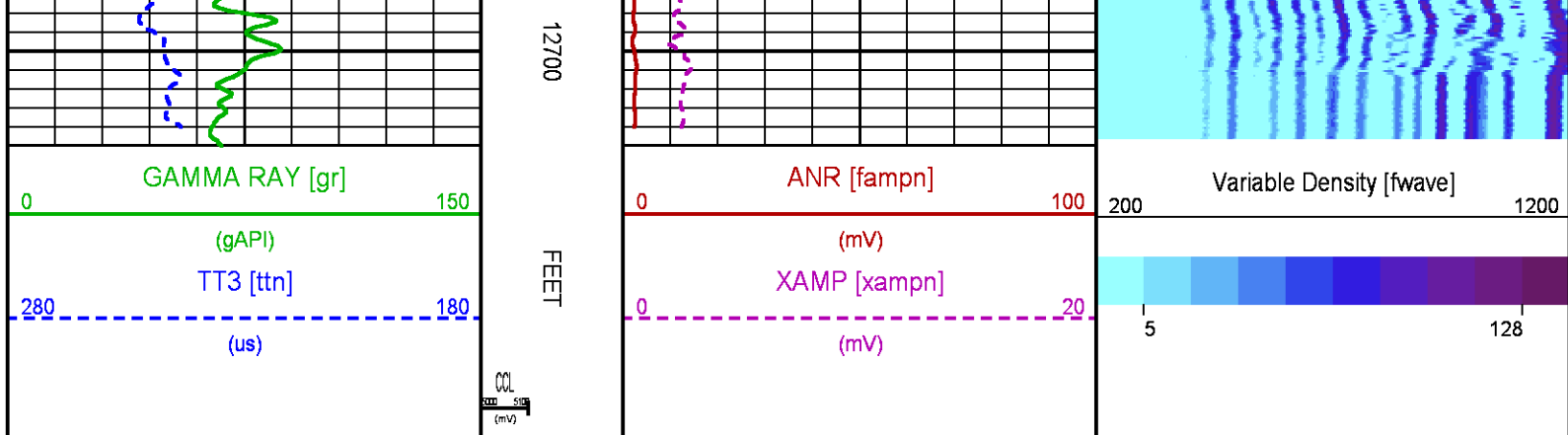
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

Presentation : BHUGHES-06627:C:\dat1a\092546\534CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 12410 - 12710 Feet

Data File 1 : F1 : BHUGHES-06627:C:\dat1a\092546\534CBL_REPEAT.xtf
Created On : Dec 15 11:42:42 2014
Company : WPX ENERGY
Well : FEDERAL RGU 534-23-198
Field : SULPHUR CREEK
File Interval : 12382.3 - 12720.5 Feet
OCT : n012g







CALIBRATION / VERIFICATION SUMMARY

Source File: C:\dat1a\092546\012g.lp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Thu Dec 11 11:50:34 2014

UNIT #: 3885TD Z004271

	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)	0.26	0.29	0.16	0.25	0.13	0.07	0.05	0.13	0.30	1.58	-0.31
AMP FLUID (mV)	85	84	83	84	84	84	85	85	84	112	83
TT (us)	219	220	219	218	217	217	217	218	220	328	220
M FACTOR	1.19	1.20	1.20	1.20	1.20	1.19	1.18	1.18	1.19	1.36	1.19

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Mon Dec 15 10:54:55 2014

DAYS SINCE CAL: 3

UNIT #: 3885TD Z004271

CABLE #: 4271LG LARGEL

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	0.11	0.06	0.13	0.12	0.06	0.11	0.01	0.14	0.06	0.16	0.15
AMP AIR	2.18	1.93	1.83	2.03	2.16	1.83	1.95	1.96	1.62	3.49	99.59

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.19	0.00	1.01

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 10580209

DATE/TIME PERFORMED: Fri Dec 12 13:50:38 2014

UNIT #: 3885TD Z004271

CALB JIG #: 4702NK WA612

	BACKGROUND (cts)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	158.53	746.53	588.0	0.315	49.88	234.88	185

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 10580209

DATE/TIME PERFORMED: Fri Dec 12 13:55:38 2014

UNIT #: 3885TD Z004271

VERI JIG #: 4702NK WA612

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	164.98	742.44	0.315	51.91	233.59	181.69
						175.00 195.00

INSTRUMENT CONFIGURATION

Source File: C:\dat1a\092546\CBL-tdg.meta

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

18.13'

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

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: 18.13'
TOTAL WEIGHT: 225 lbs
MAX DIAMETER: 0'4.00"

	COMPANY <u>WPX ENERGY</u>		FILE NO: <u>CH092546</u>
	WELL <u>FEDERAL RGU 534-23-198</u>		API NO: <u>05103121410000</u>
	FIELD <u>SULPHUR CREEK</u>	COUNTY <u>RIO BLANCO</u> STATE <u>CO</u>	
LOCATION: SHL: 1023' FSL & 651' FEL BHL: 44' FSL & 1897' FEL		ELEVATIONS: KB 6592 FT DF GL 6567 FT	23 1S 98W RGU 43-23-198 AZTEC 1000
SEC <u>23</u> TWP <u>1S</u> RGE <u>98W</u>		DATE <u>15-Dec-2014</u>	