



FILE NO: CH091657	COMPANY WPX ENERGY
API NO: 05103121420000	WELL FEDERAL RGU 331-26-198
	FIELD SULPHUR CREEK
	COUNTY RIO BLANCO
	STATE CO

Version 26 1S 98W RGU 43-23-198 AZTEC 1000	LOCATION: SHL: 1018' FSL & 657' FEL (23 1S 98W) BHL: 620' FNL & 1865' FEL (26 1S 98W) SEC 26 TWP 1S RGE 98W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB KB	ELEVATION 25 FT 6567 FT ABOVE P.D.	ELEVATIONS: KB 6592 FT DF GL 6567 FT
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DATE	14-Dec-2014	
RUN	1	TRIP
SERVICE ORDER	US091657	
DEPTH DRILLER	12847 FT	
DEPTH LOGGER	12781 FT	
BOTTOM LOGGED INTERVAL	12771 FT	
TOP LOGGED INTERVAL	25 FT	
TIME STARTED	9:00	
TIME FINISHED	14:00	
OPERATOR RIG TIME	5 HOURS	
TYPE OF FLUID IN HOLE	WATER	
FLUID DENSITY	NA	
FLUID SALINITY	NA	
FLUID LEVEL	84 FT	
LOGGED CEMENT TOP	NA	
WELLHEAD PRESSURE	0 PSI	
MAXIMUM HOLE DEVIATION	NA	
NOMINAL LOGGING SPEED	65 F/MIN	
MAX. RECORDED TEMP.	286 DEGF	
REFERENCE LOG	NA	
REFERENCE LOG DATE	NA	
EQUIP. NO.	4271	LOCATION
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	3924 FT
8.75 IN	3924 FT	12889 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
18 IN			0 FT	80 FT
9.625 IN			0 FT	3924 FT
4.5 IN	11.6 LB/F	P-110	0 FT	12889 FT

REMARKS

RUN 1 TRIP 1: The wellhead is already installed on this well and is 8' above ground level elevation.

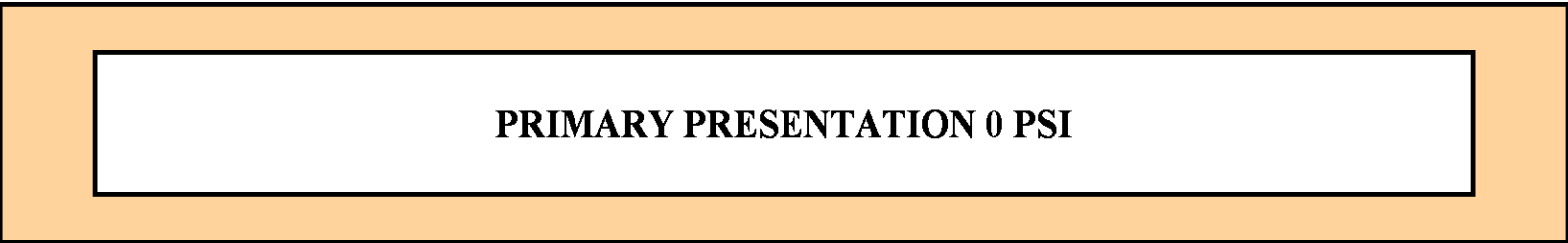
All data on this log is shifted using the CCL curve to put the wellhead (top CCL mark) 8' above ground level elevation.

The amount of linear shift is 4 feet.

Logged with zero PSI at wellhead

BHT = 286 degF
SJ = 7807' - 7829'

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10218495	CENTRALIZED
1	1	GR/CCL	1355XA	10580209	CENTRALIZED



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: Sun Dec 14 16:33:17 2014

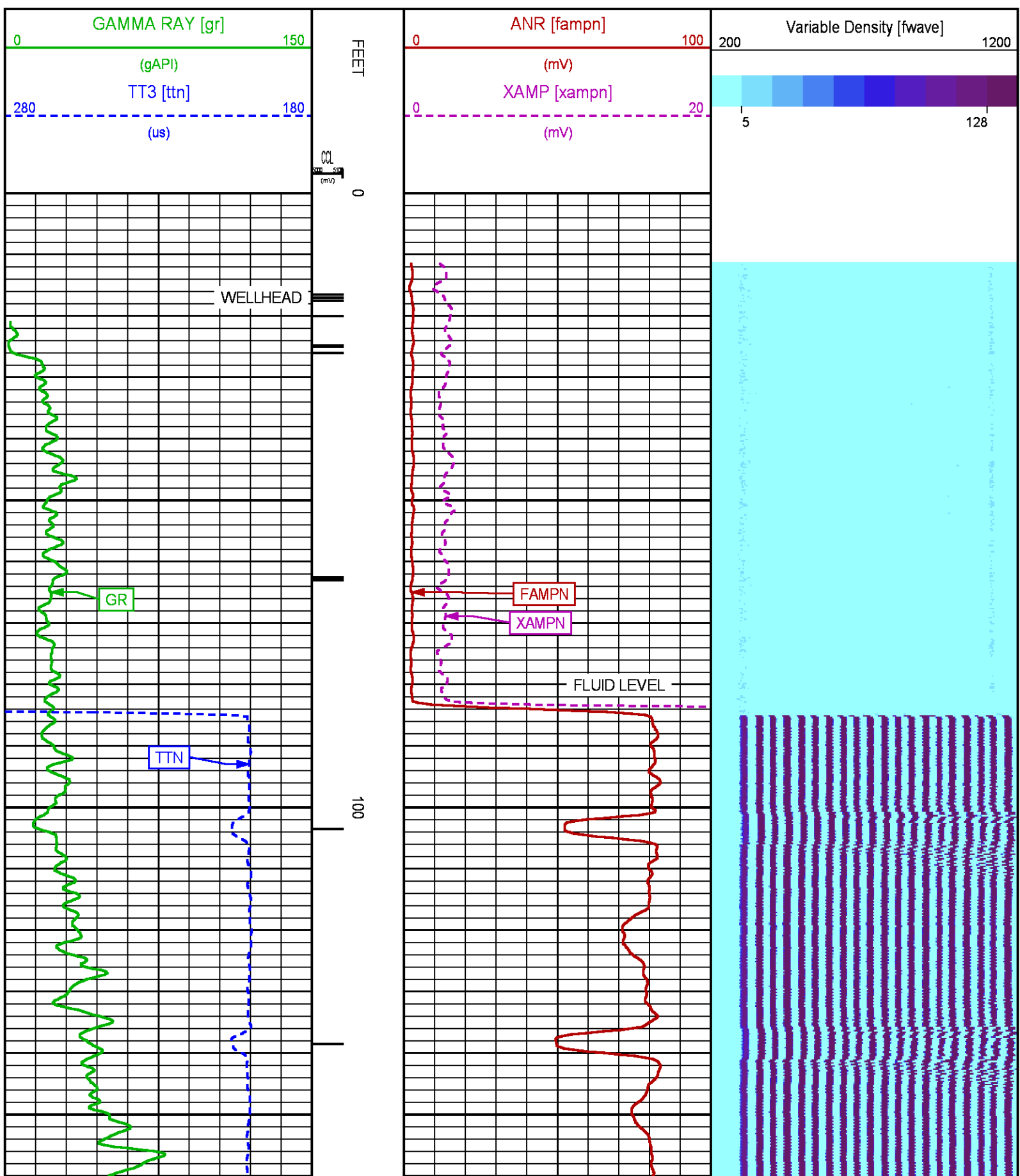
PARAMETER AND FILTER SUMMARY REPORT					
FILE: C:\dat1a\091657\012g02.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: 19.750 ft BOTTOM DEPTH: 12783.828 ft					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1)		"	"
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	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	174	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	136	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

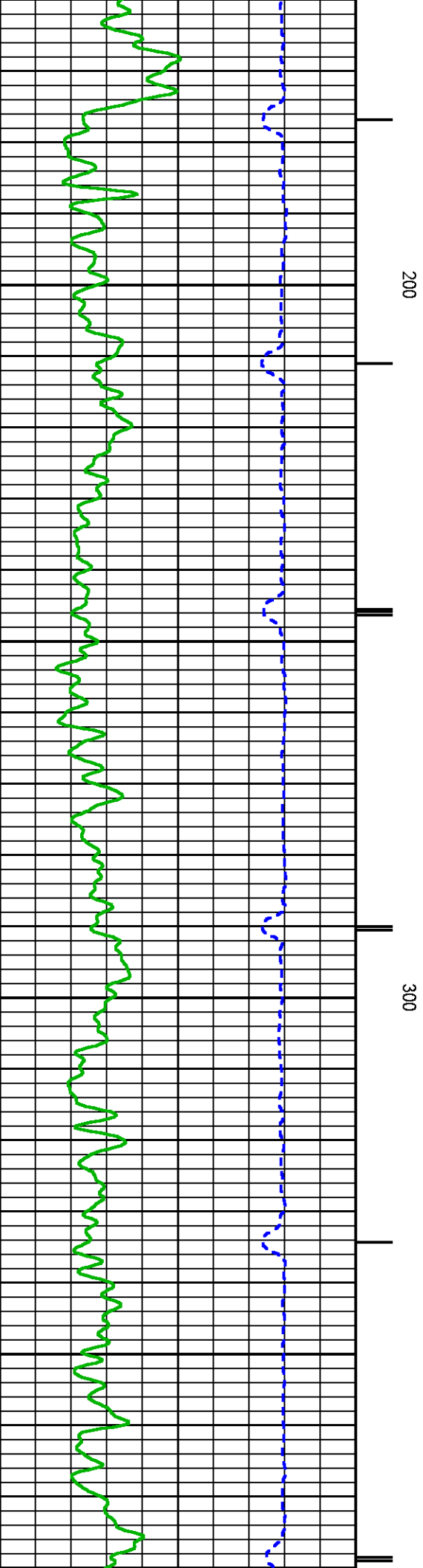
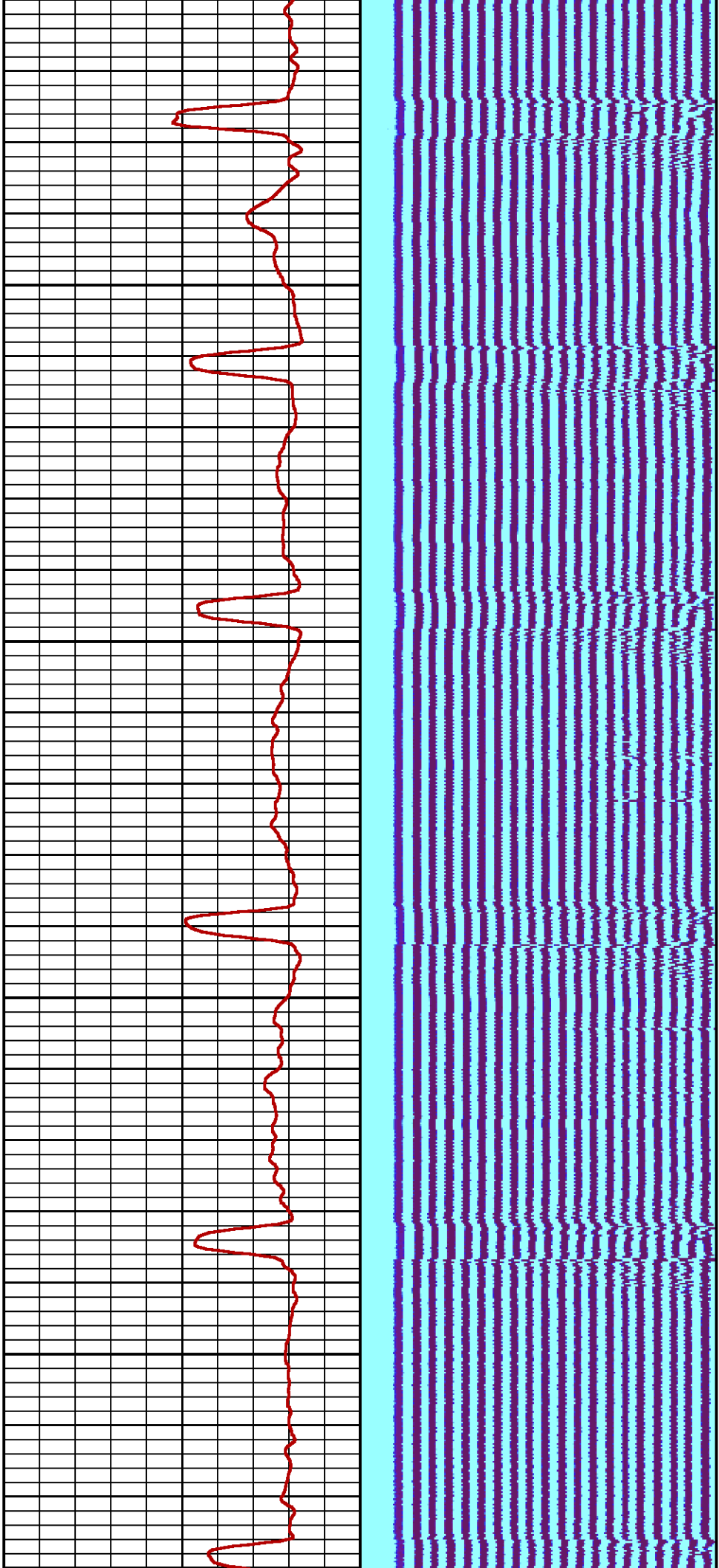
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Dec 14 10:30:36 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 14 10:30:36 2014	FAR WAVE FORM
F1:GR	Dec 14 10:30:36 2014	GAMMA RAY
F1:TTN	Dec 14 10:30:36 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

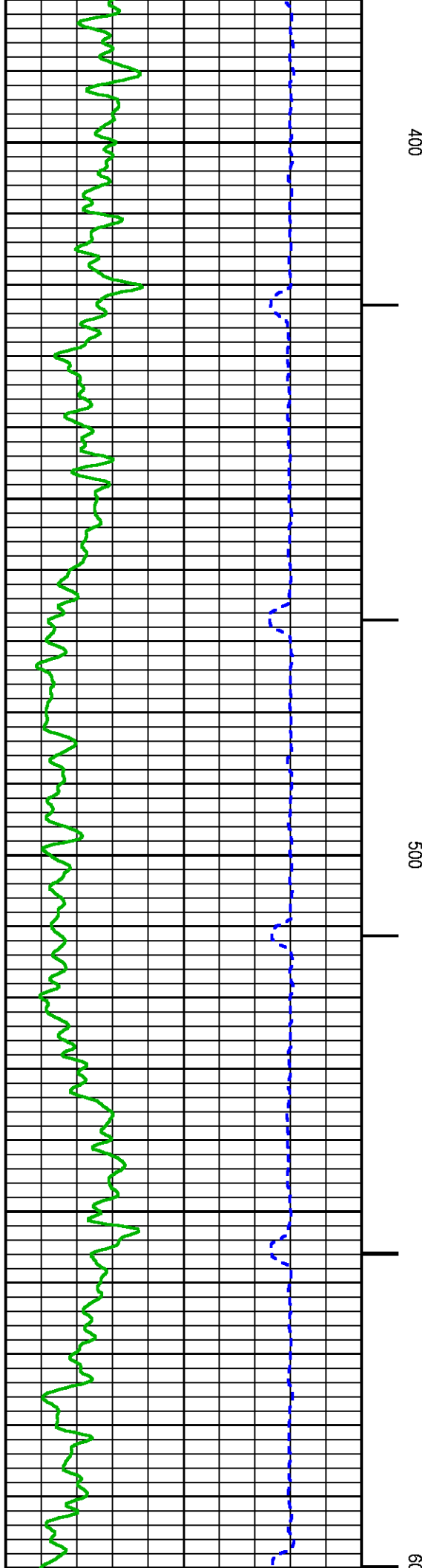
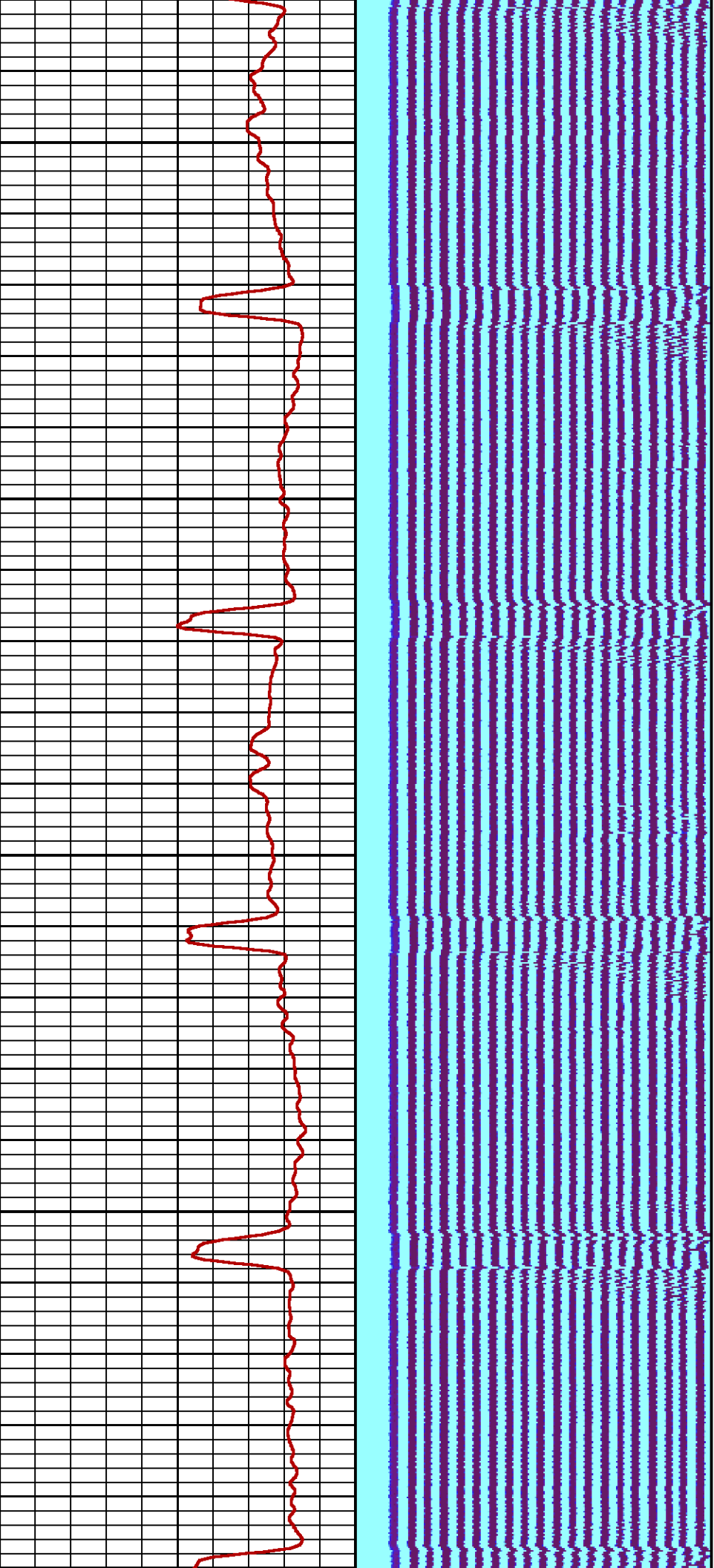
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

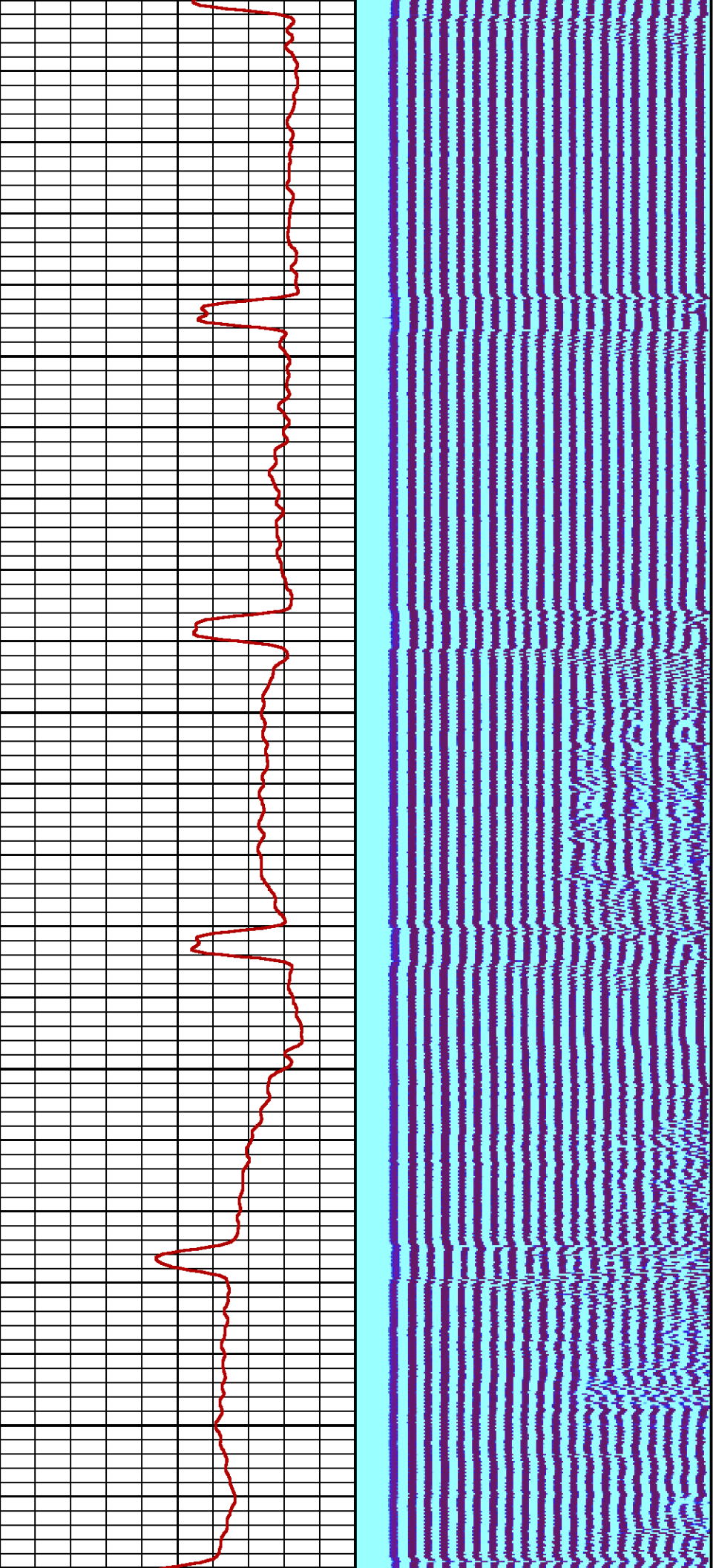
Representation : BHUGHES-06627.C:\data\0910371331CBL_1.RMARKT.Vppl [5 / 100 Scale]
Plot Interval : 0 - 12786 Feet

Data File 1 : F1 : BHUGHES-06627.C:\data\0910371331CBL_MAIN.xtf
Created On : Dec 14 10:30:36 2014
Company : WPX ENERGY
Well : FEDERAL RGU 331-26-198
Field : RIO BLANCO
File Interval : 10.25 - 12784.8 Feet
OCT : n012g

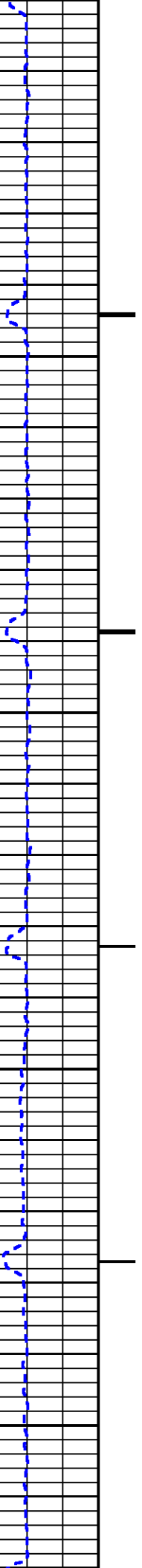


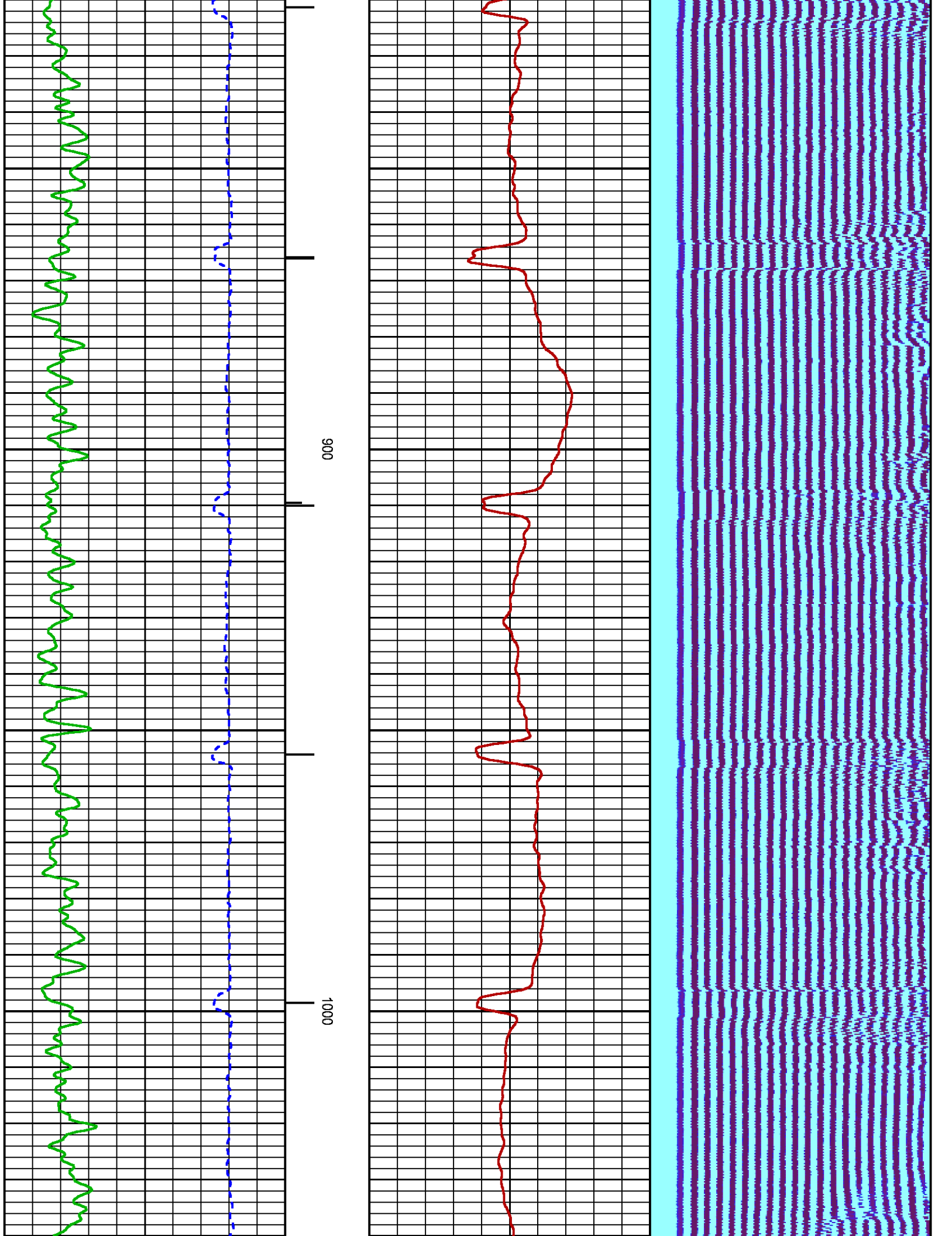


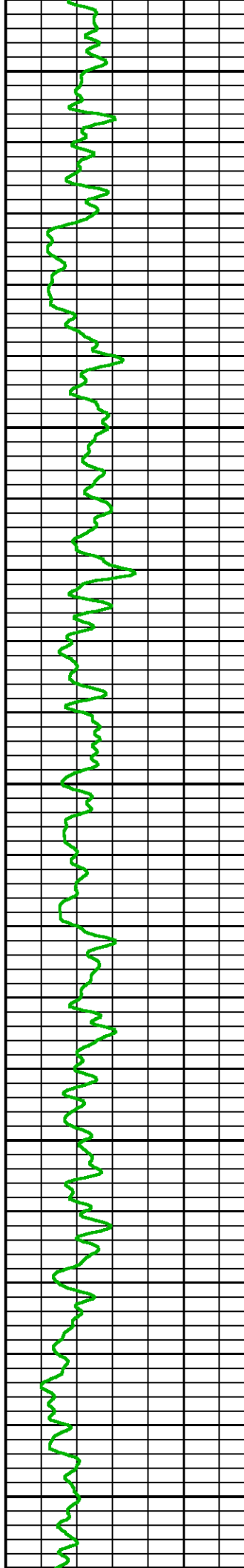
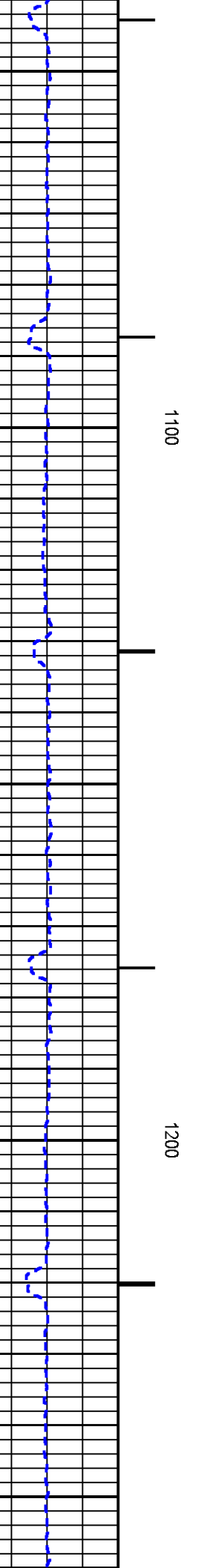
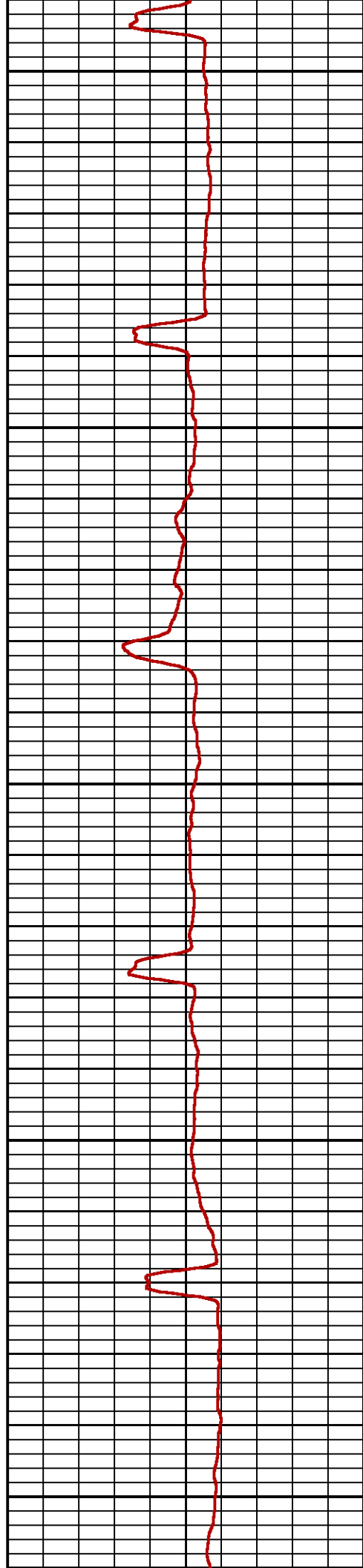
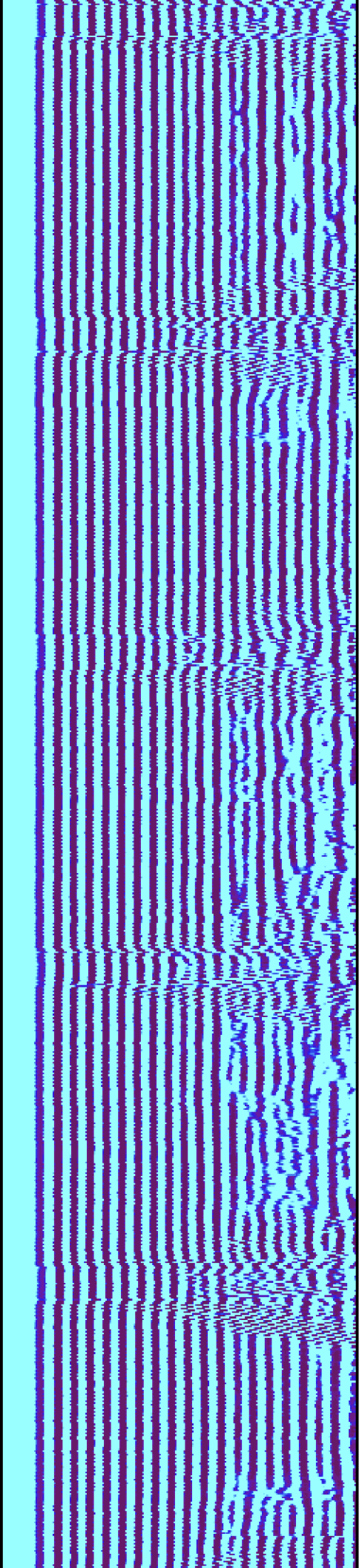


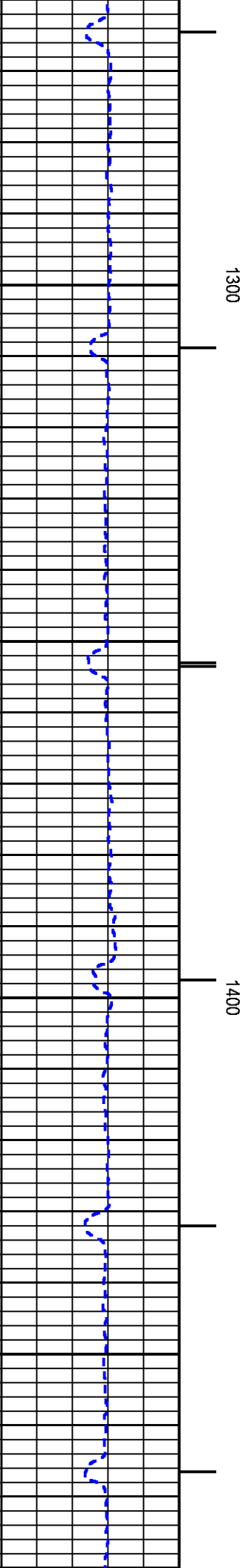
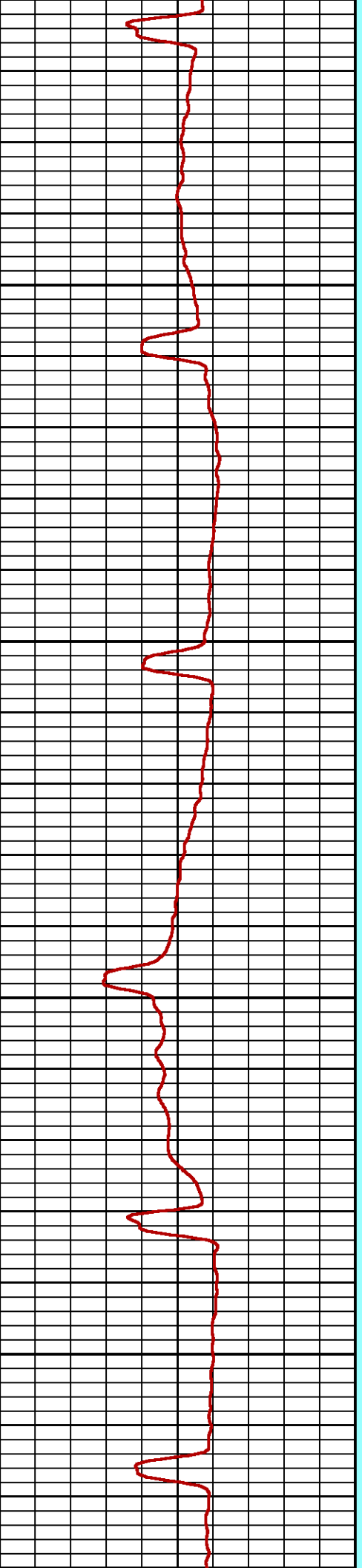
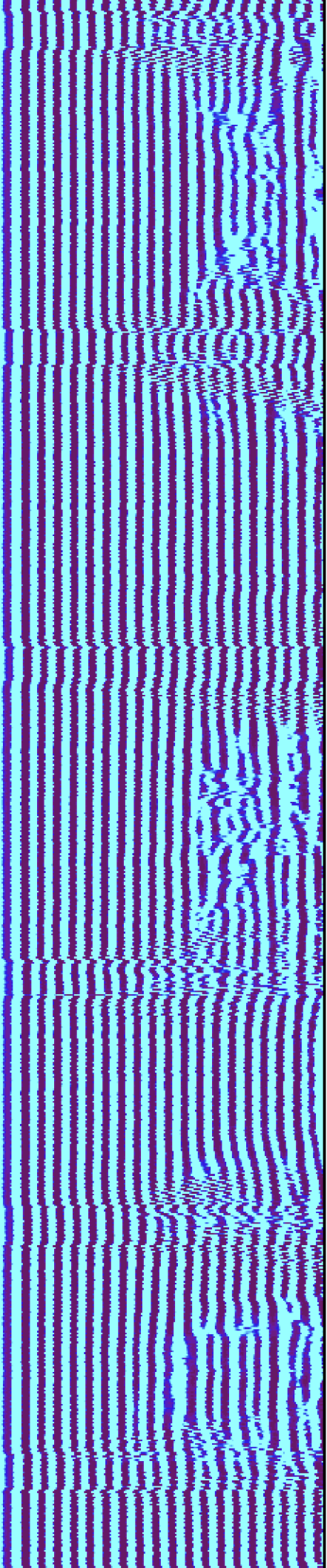


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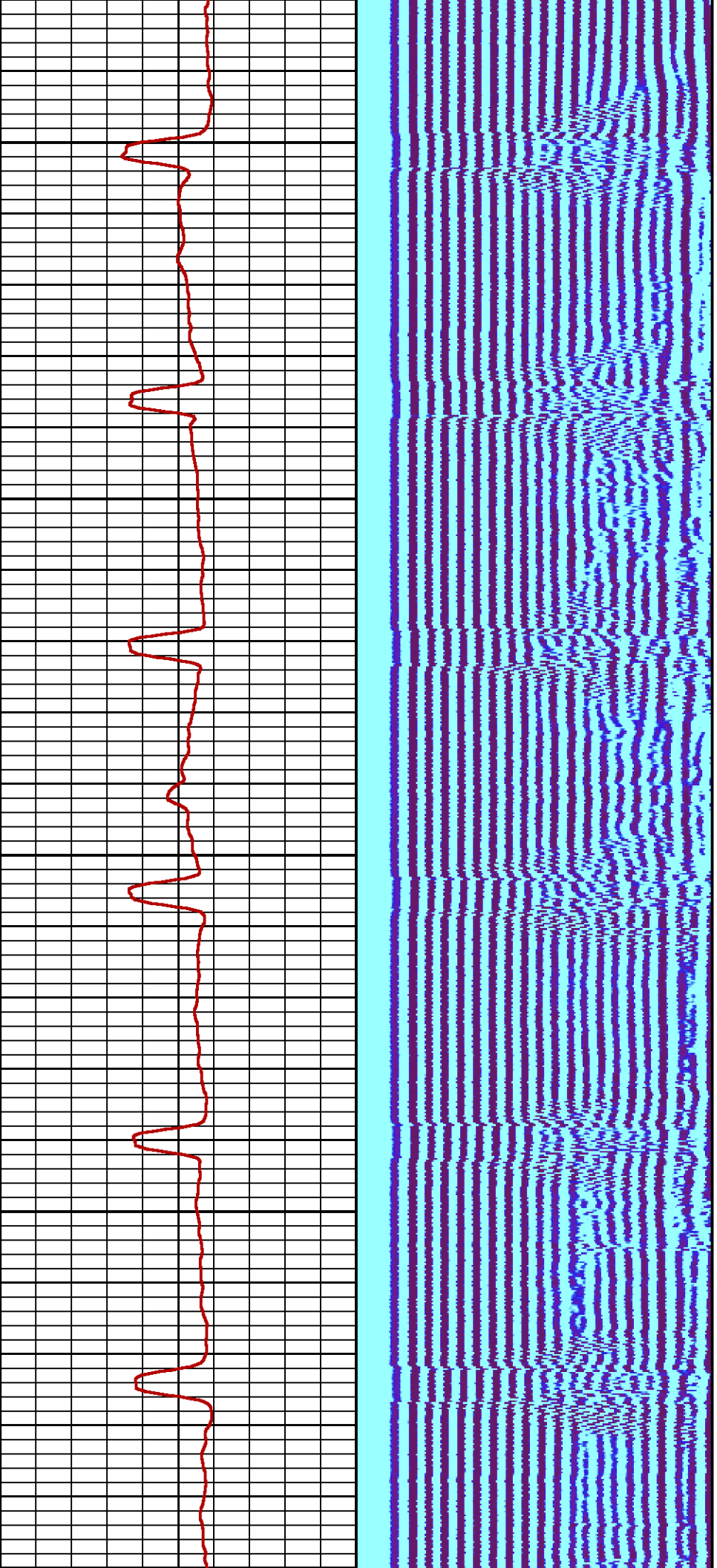




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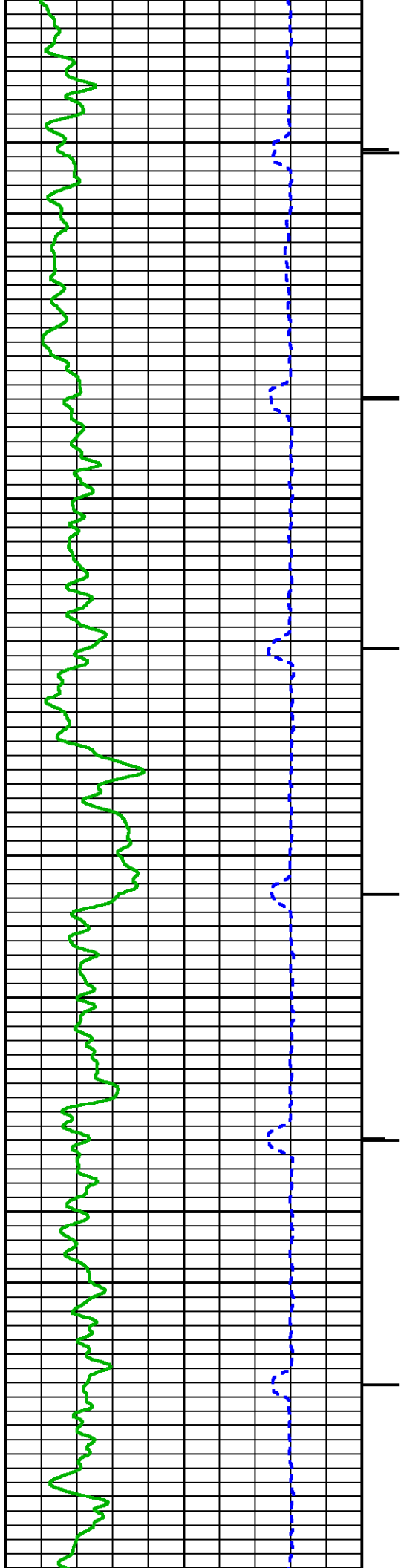


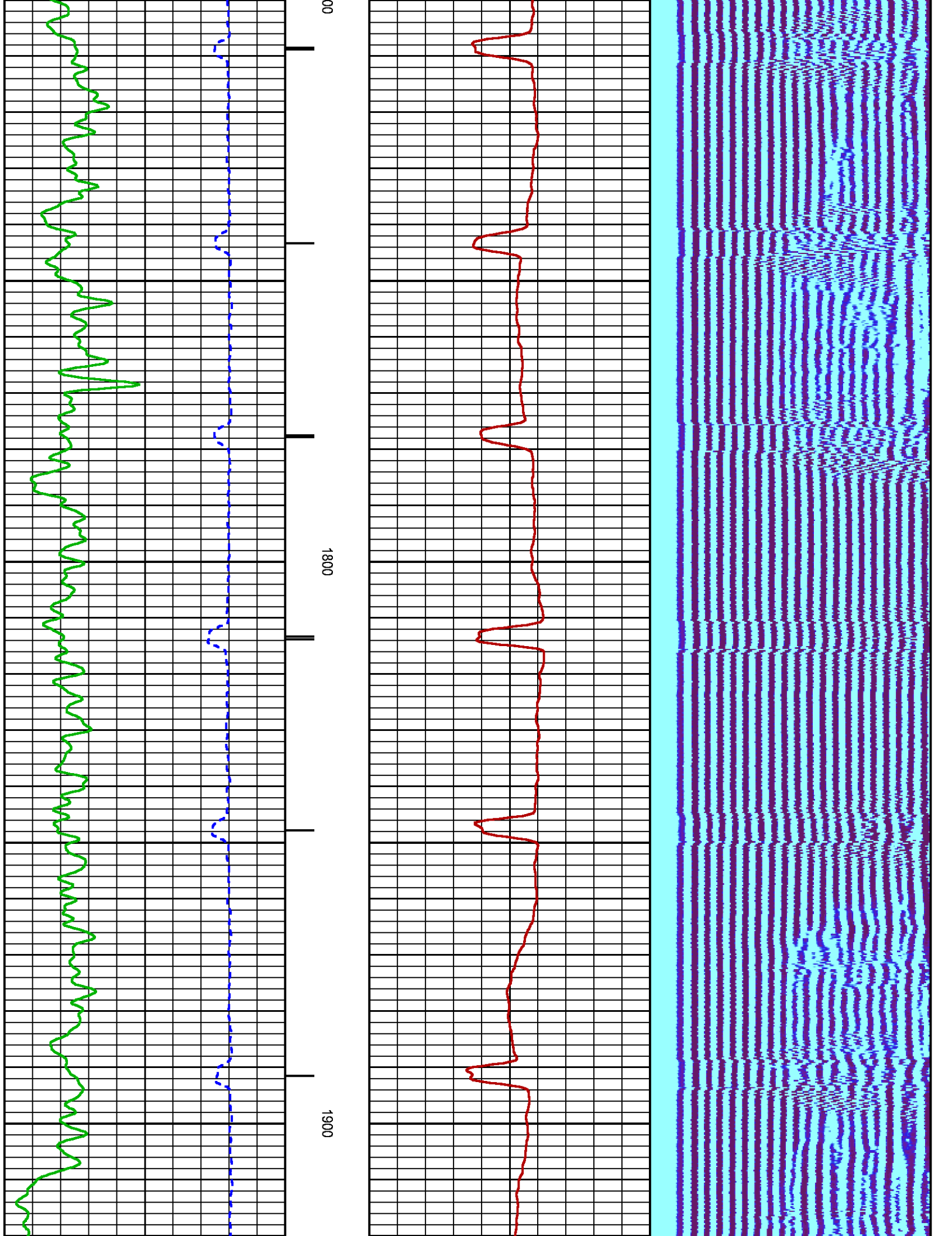


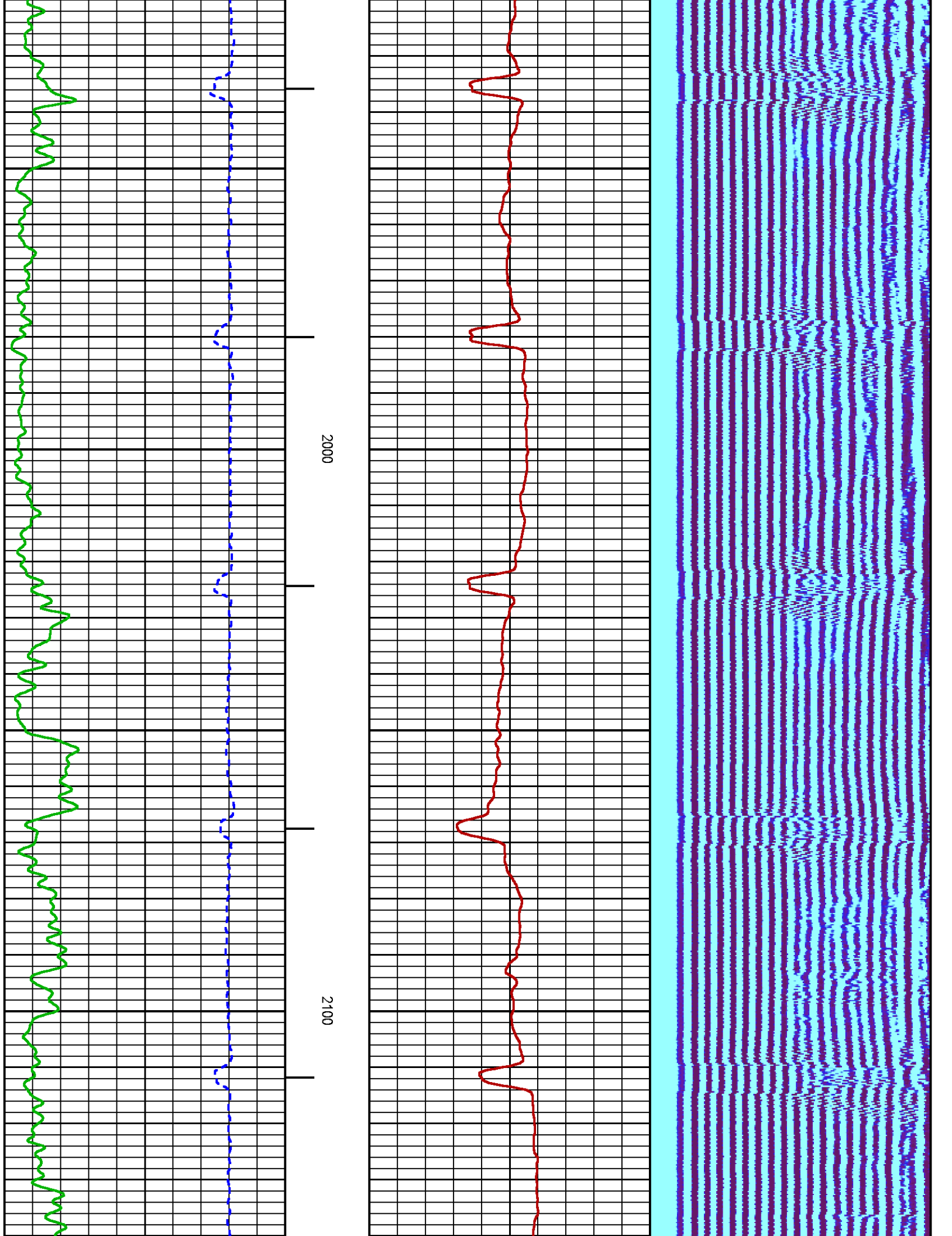
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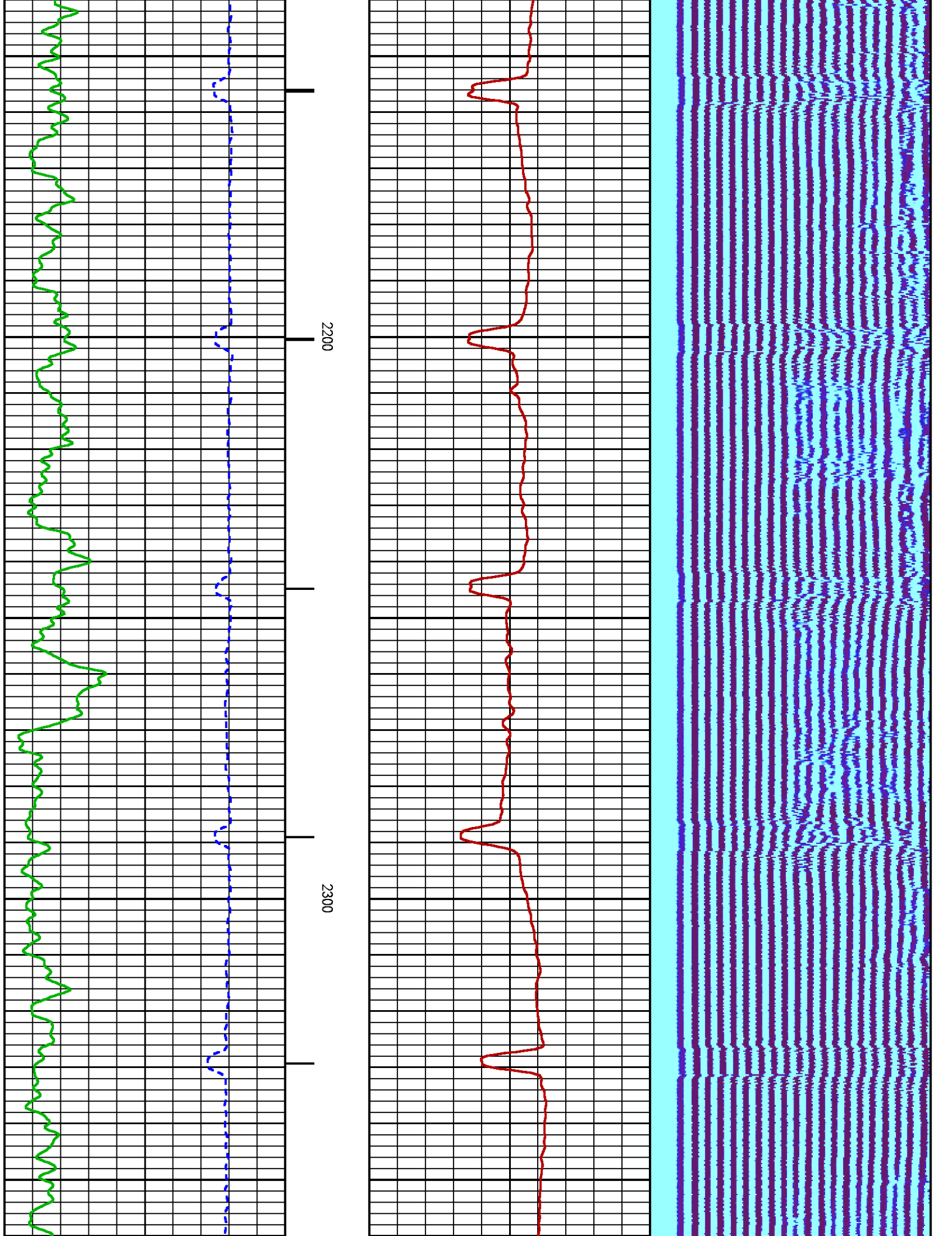
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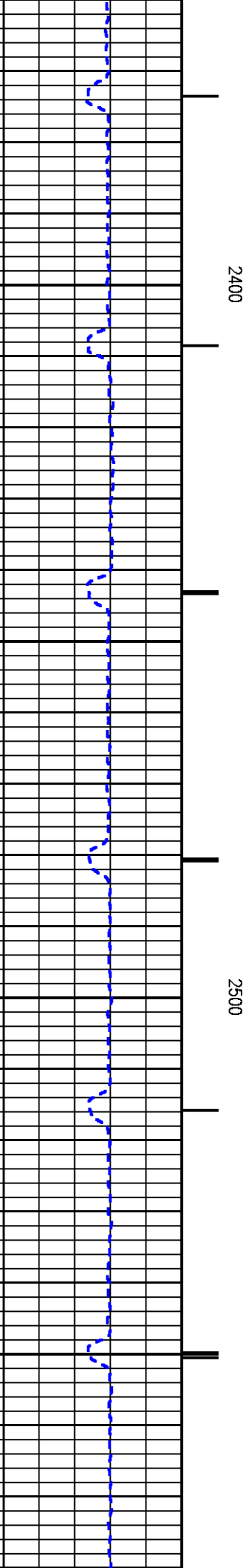
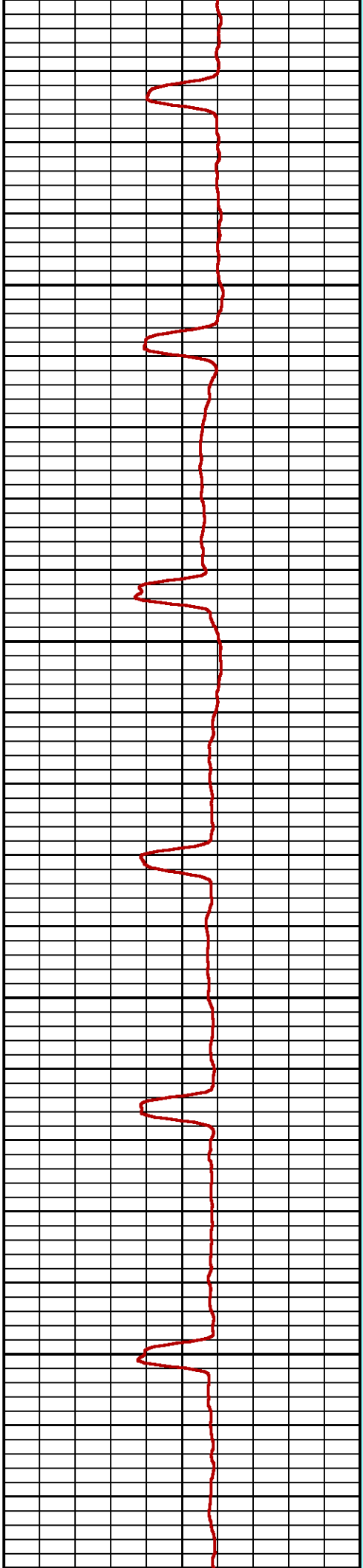
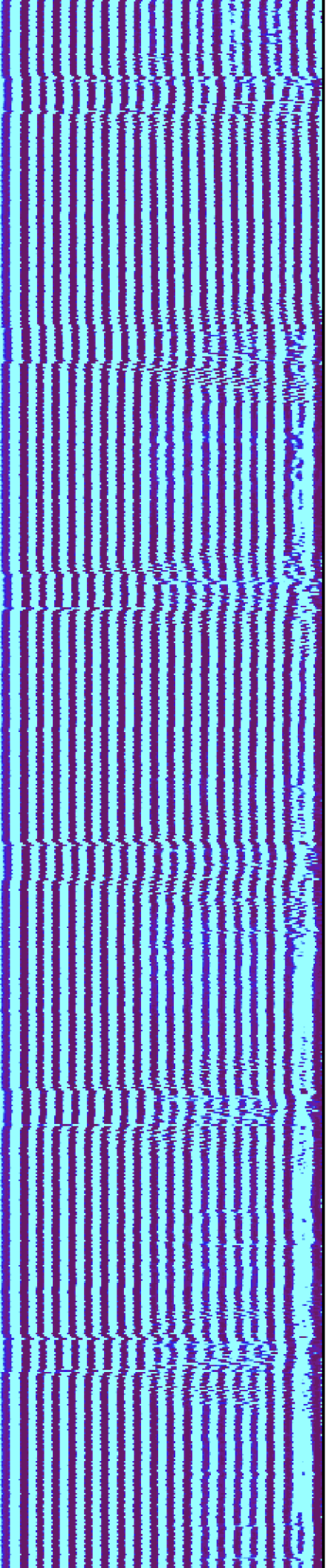
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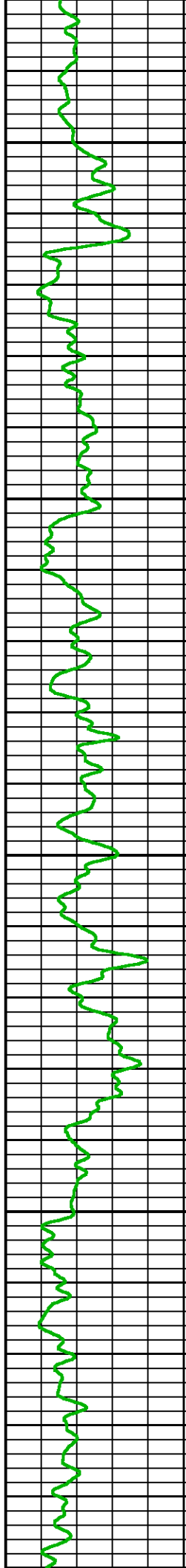
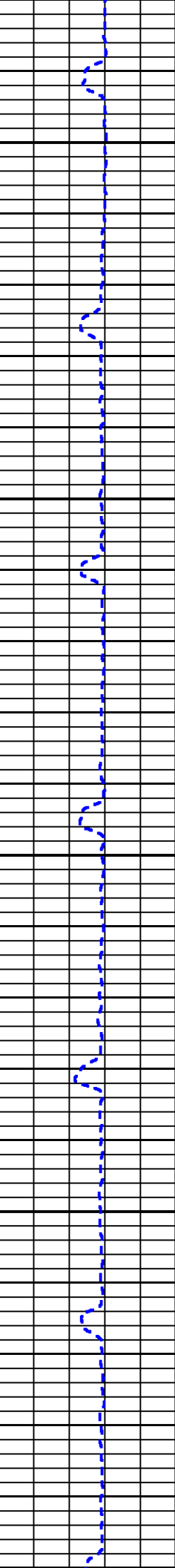
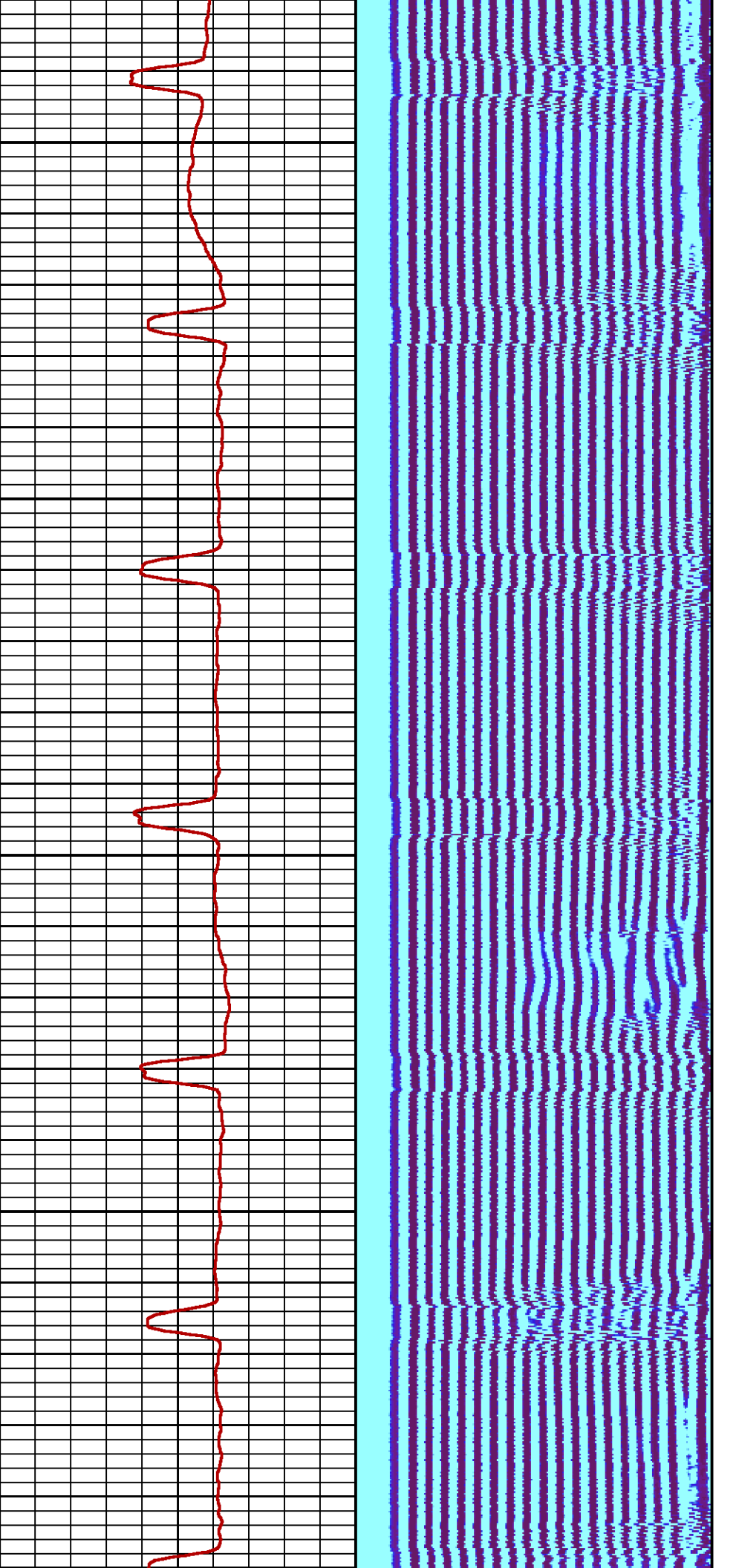


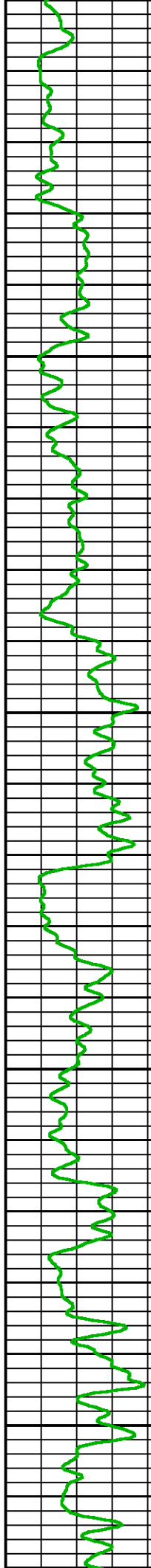
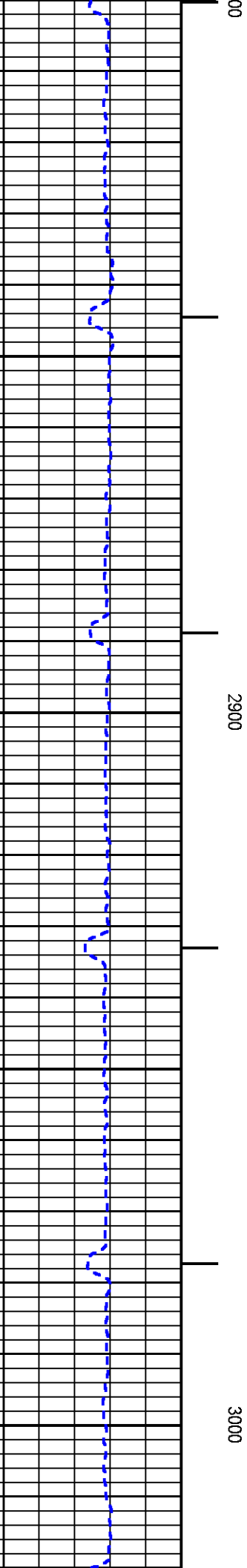
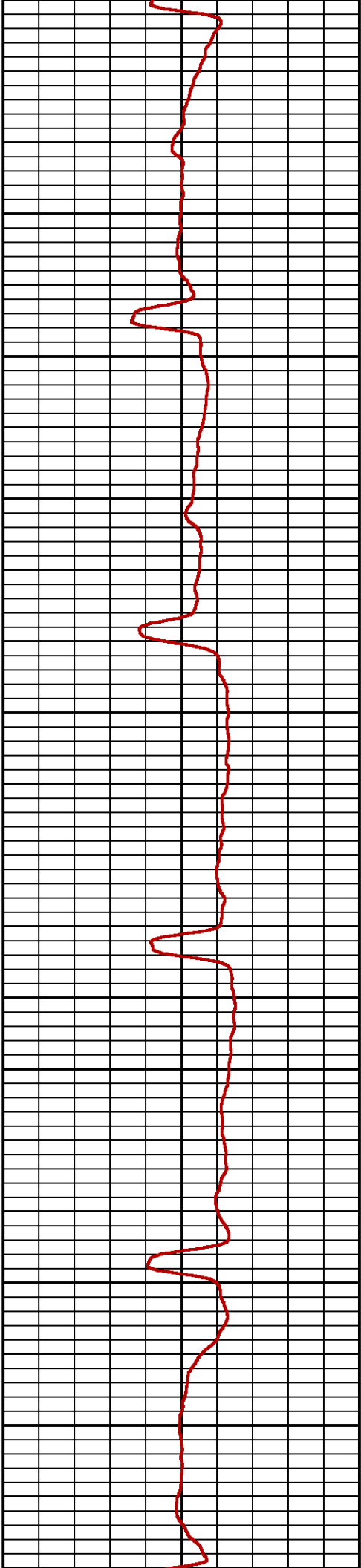
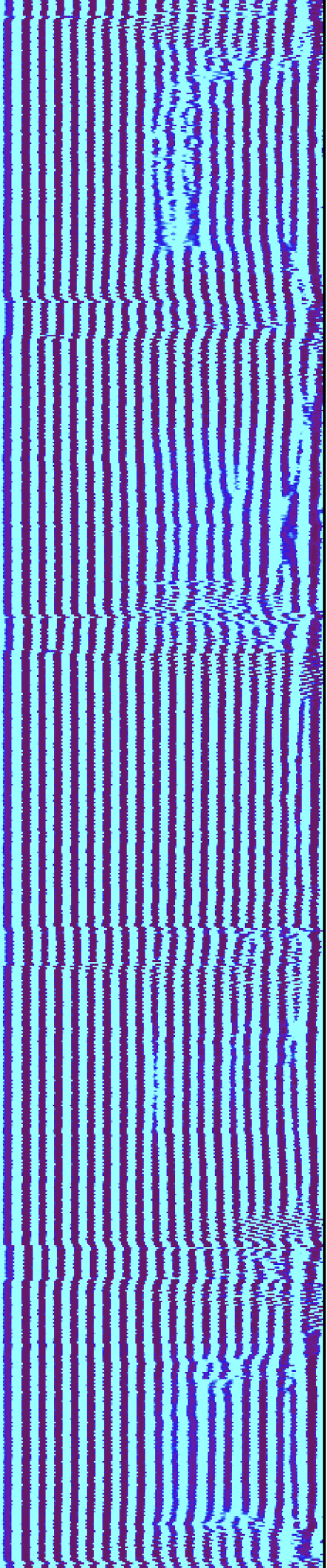


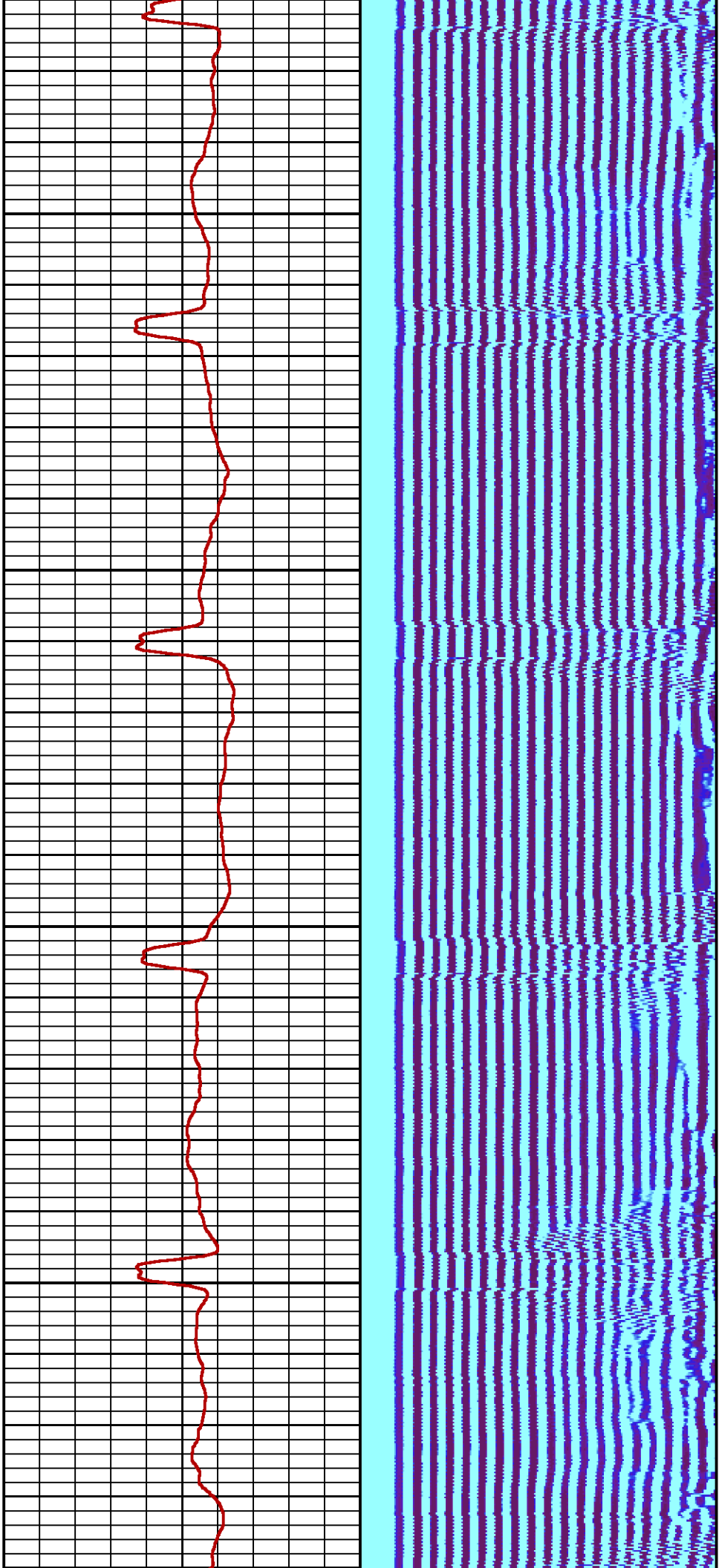






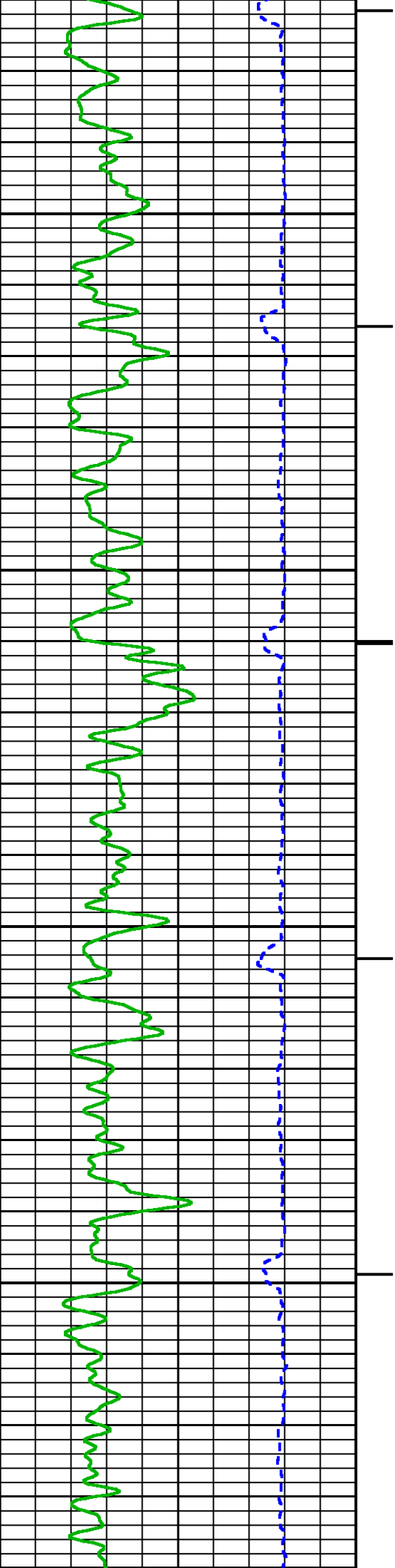


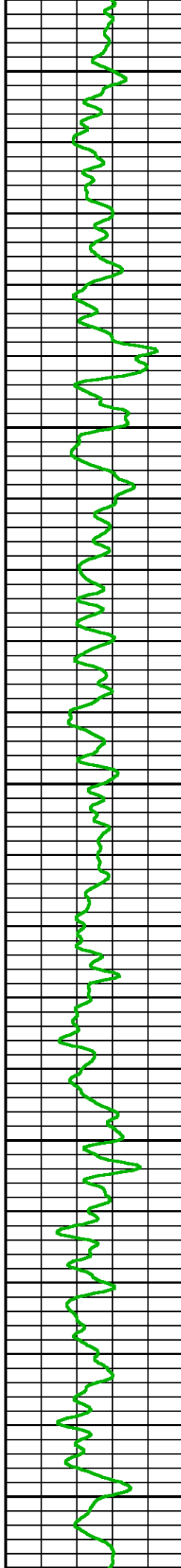
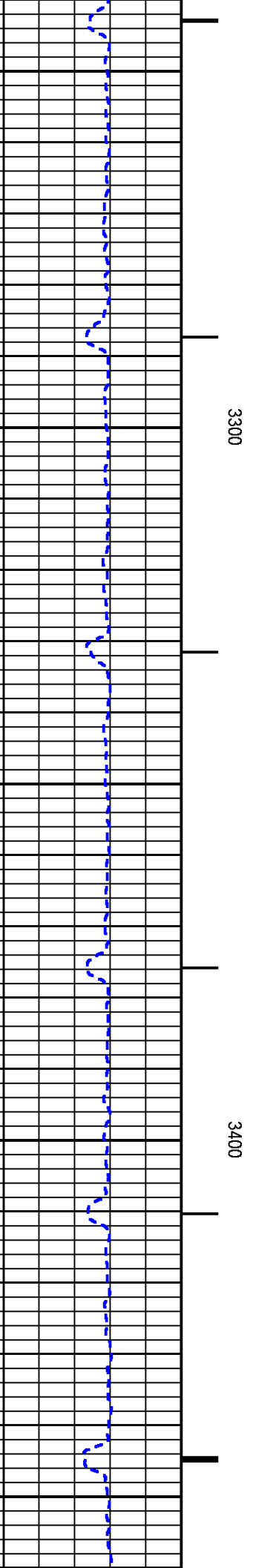
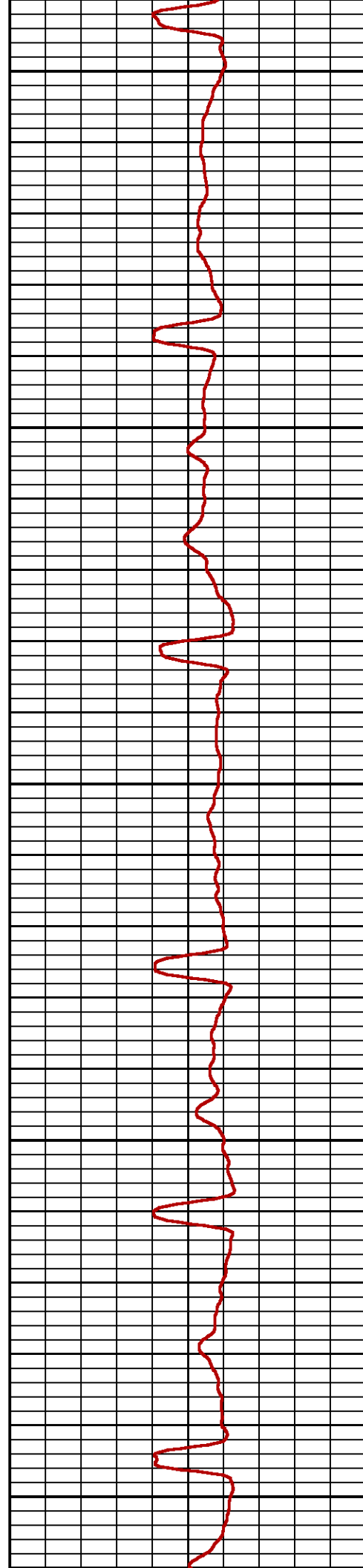
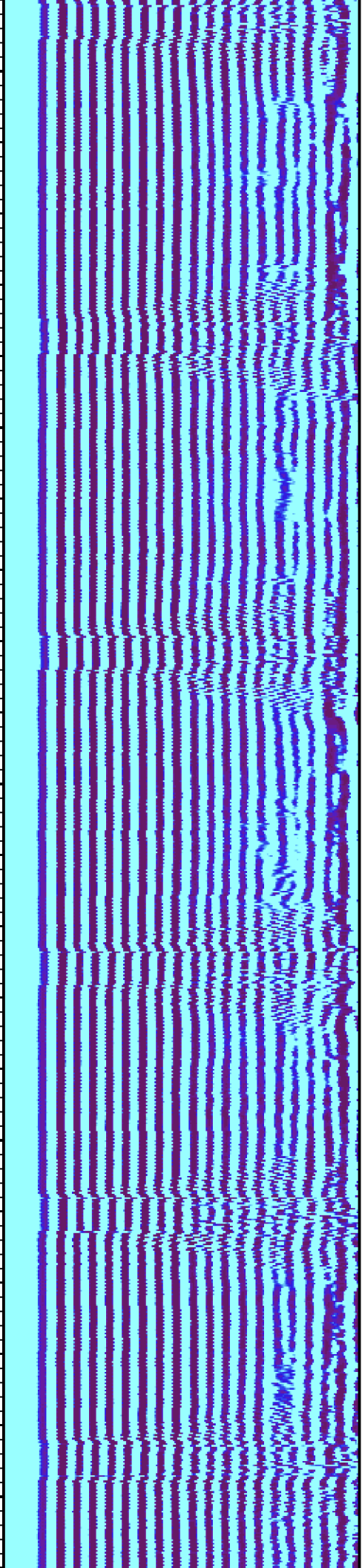


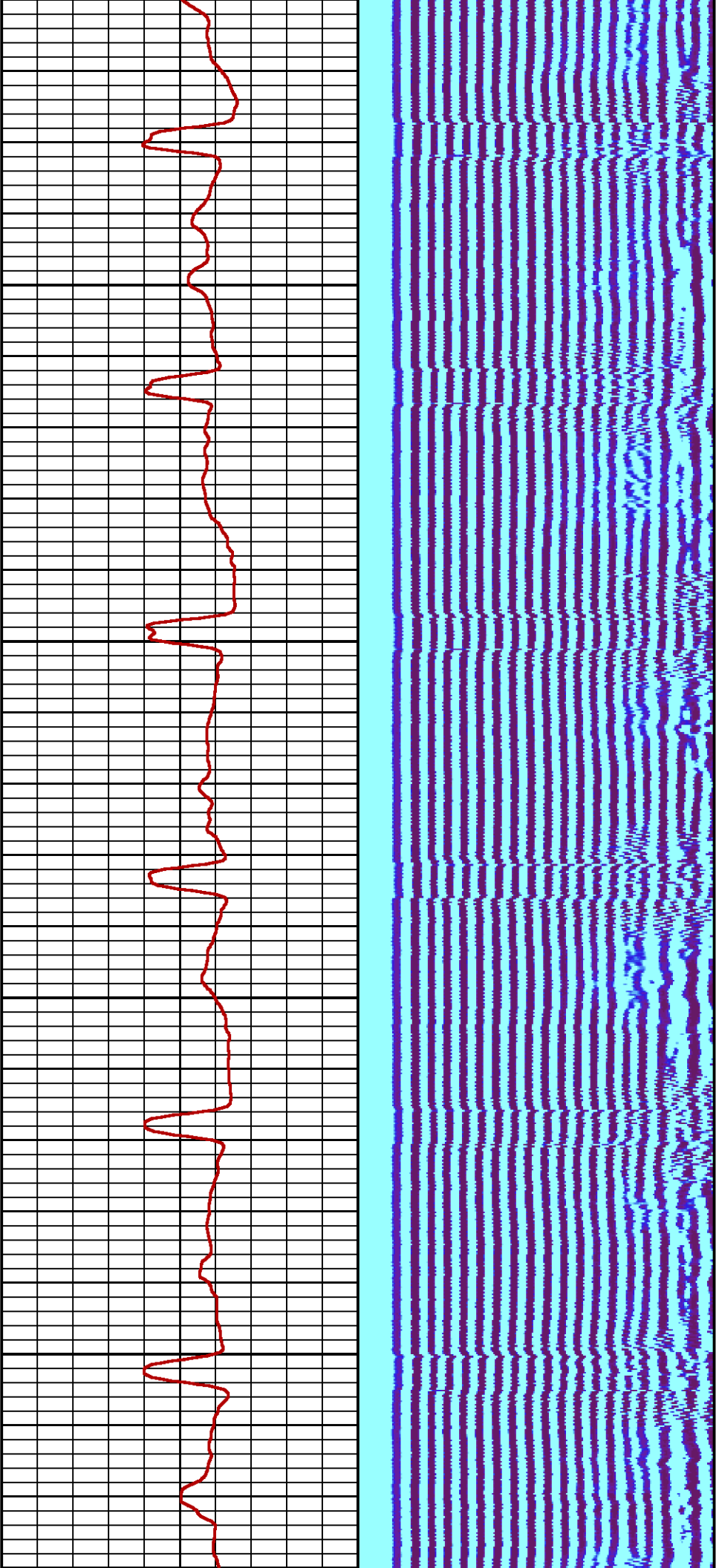


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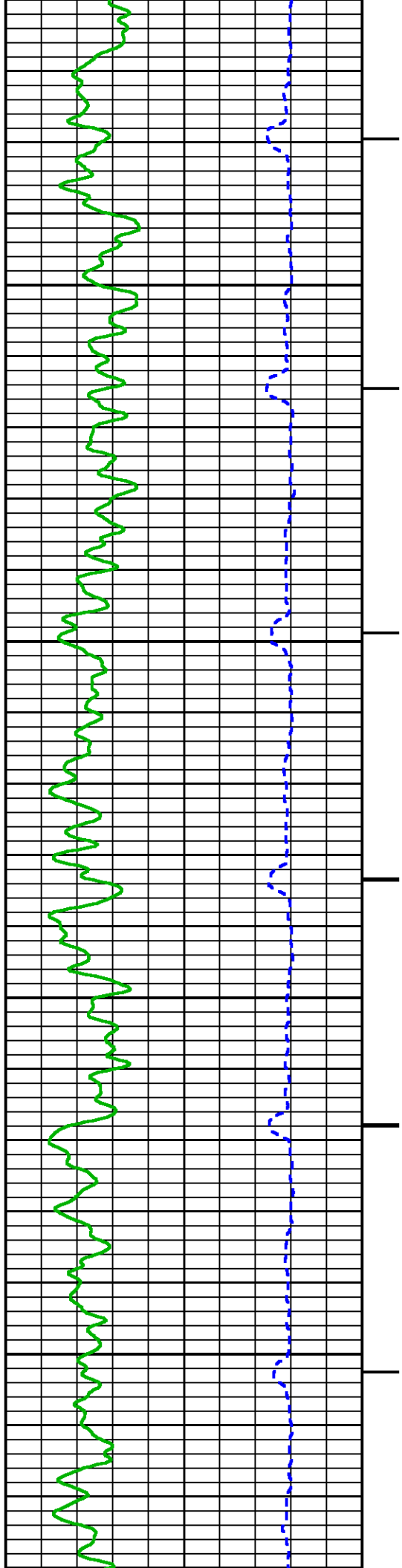


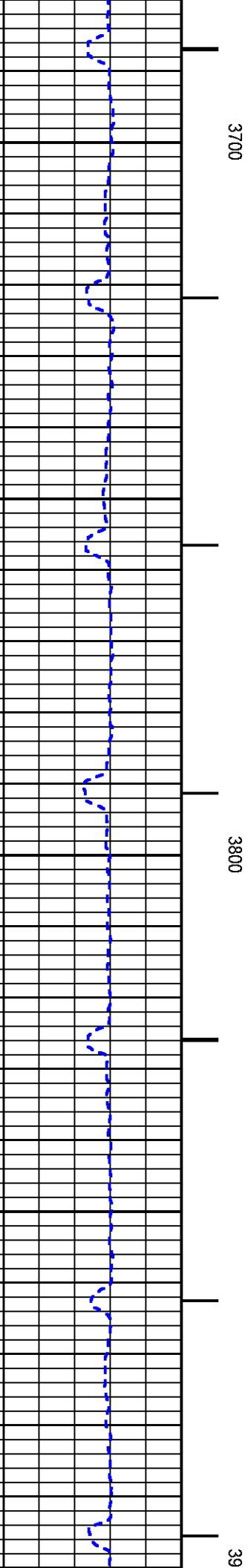
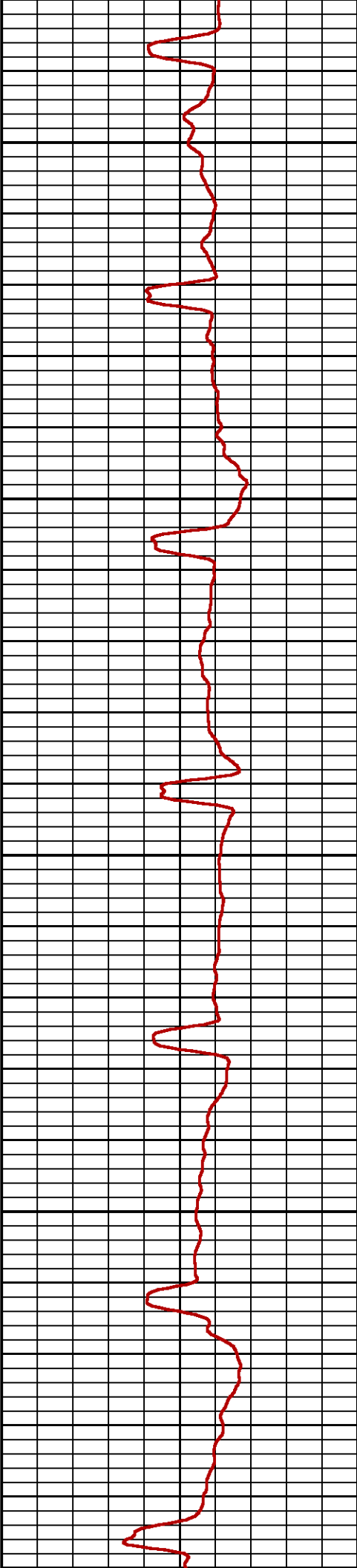
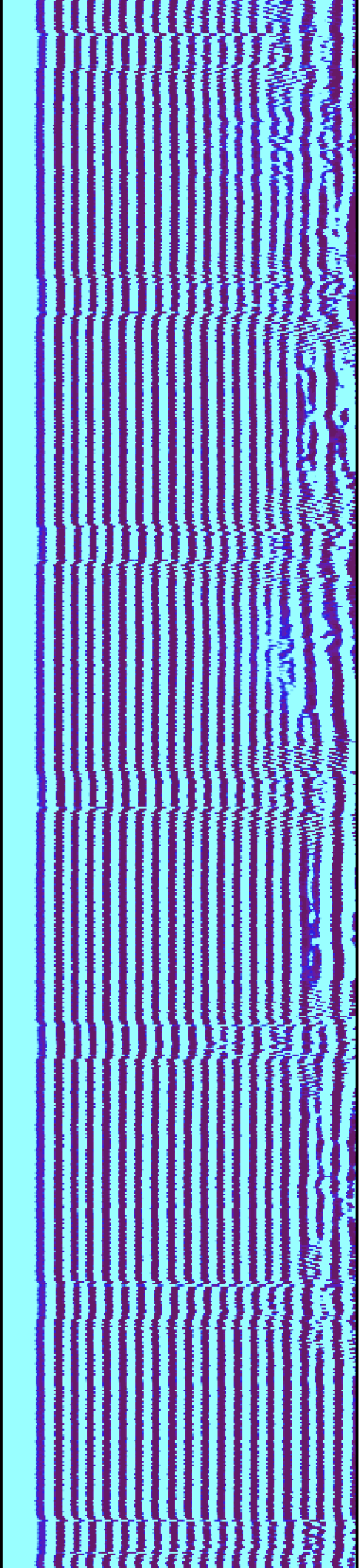




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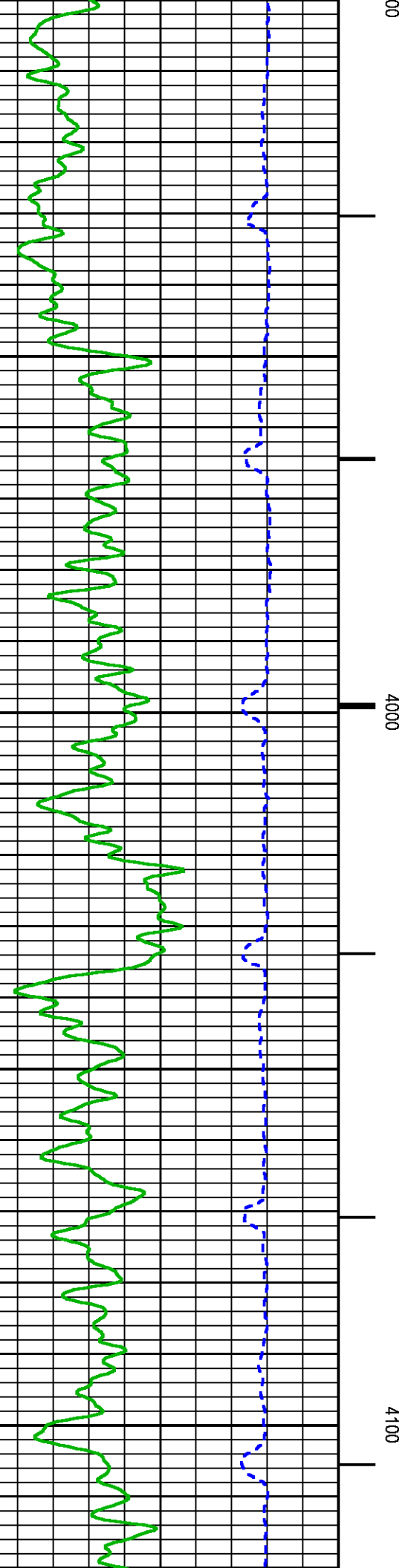
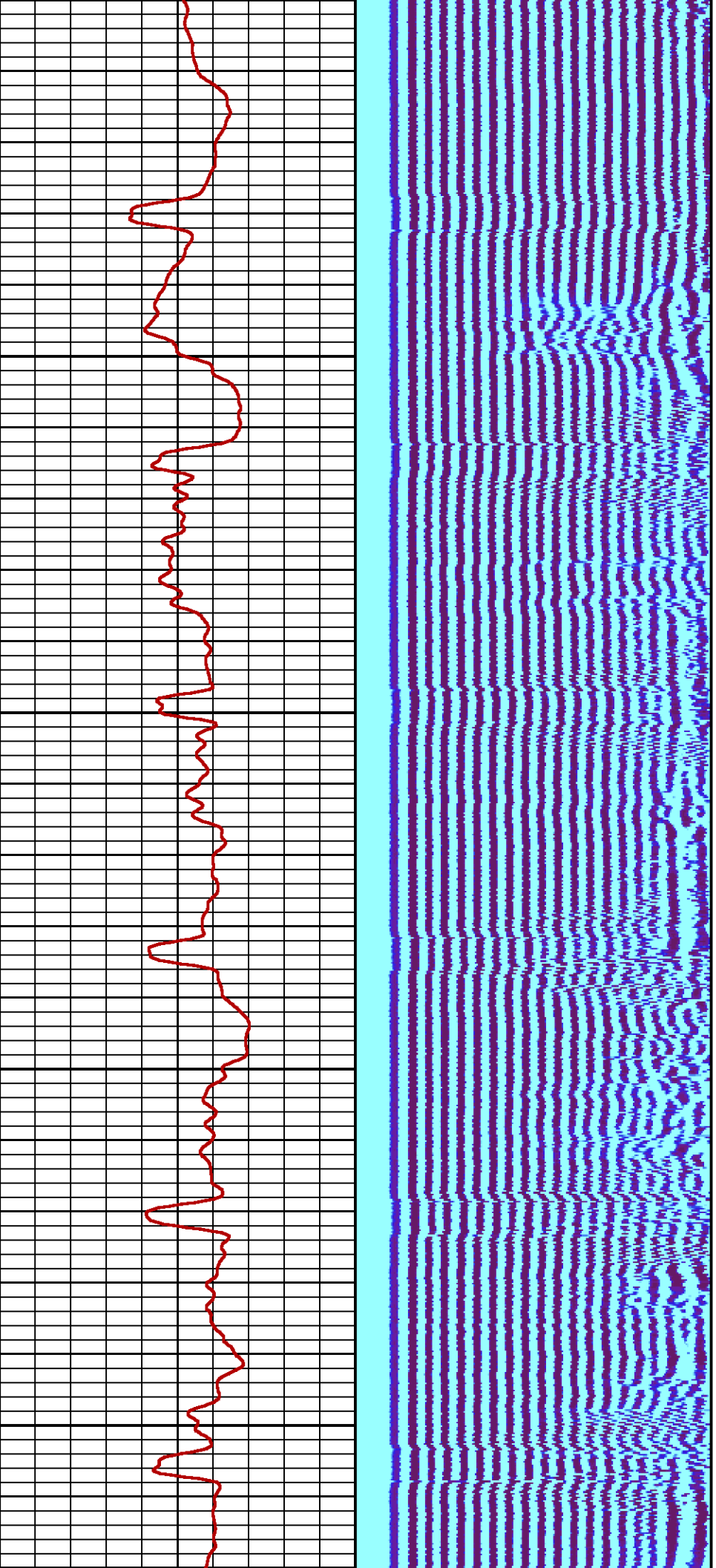


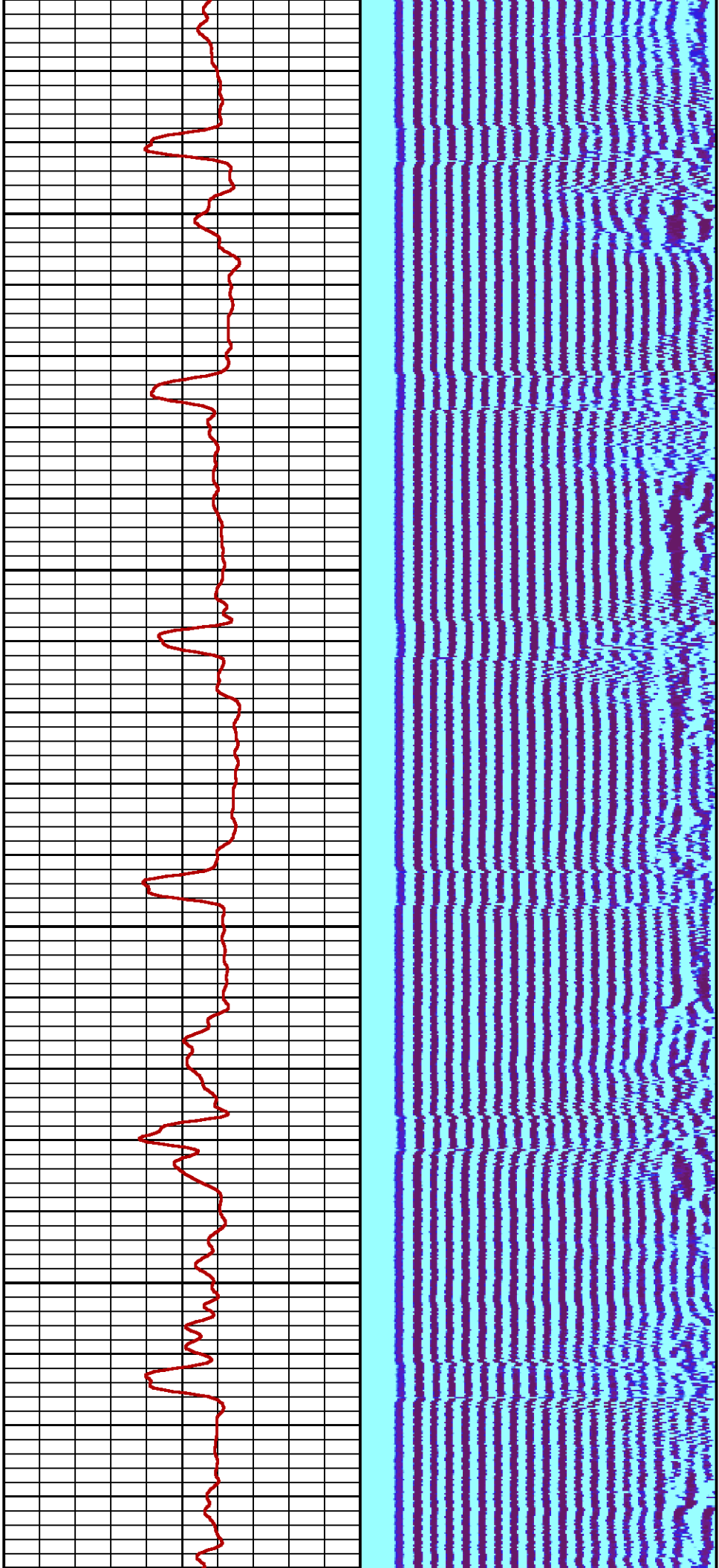


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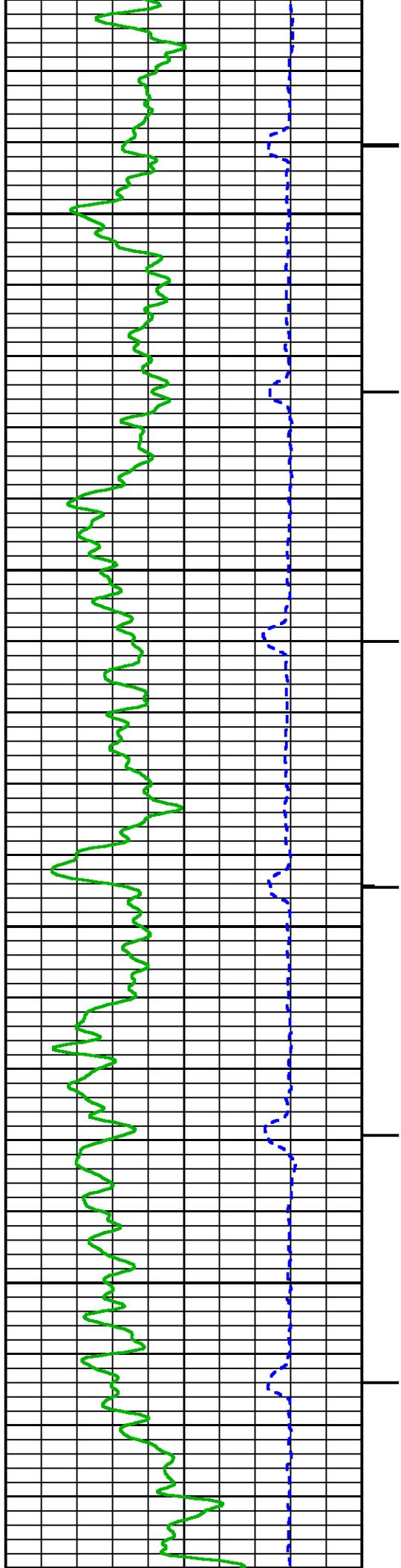
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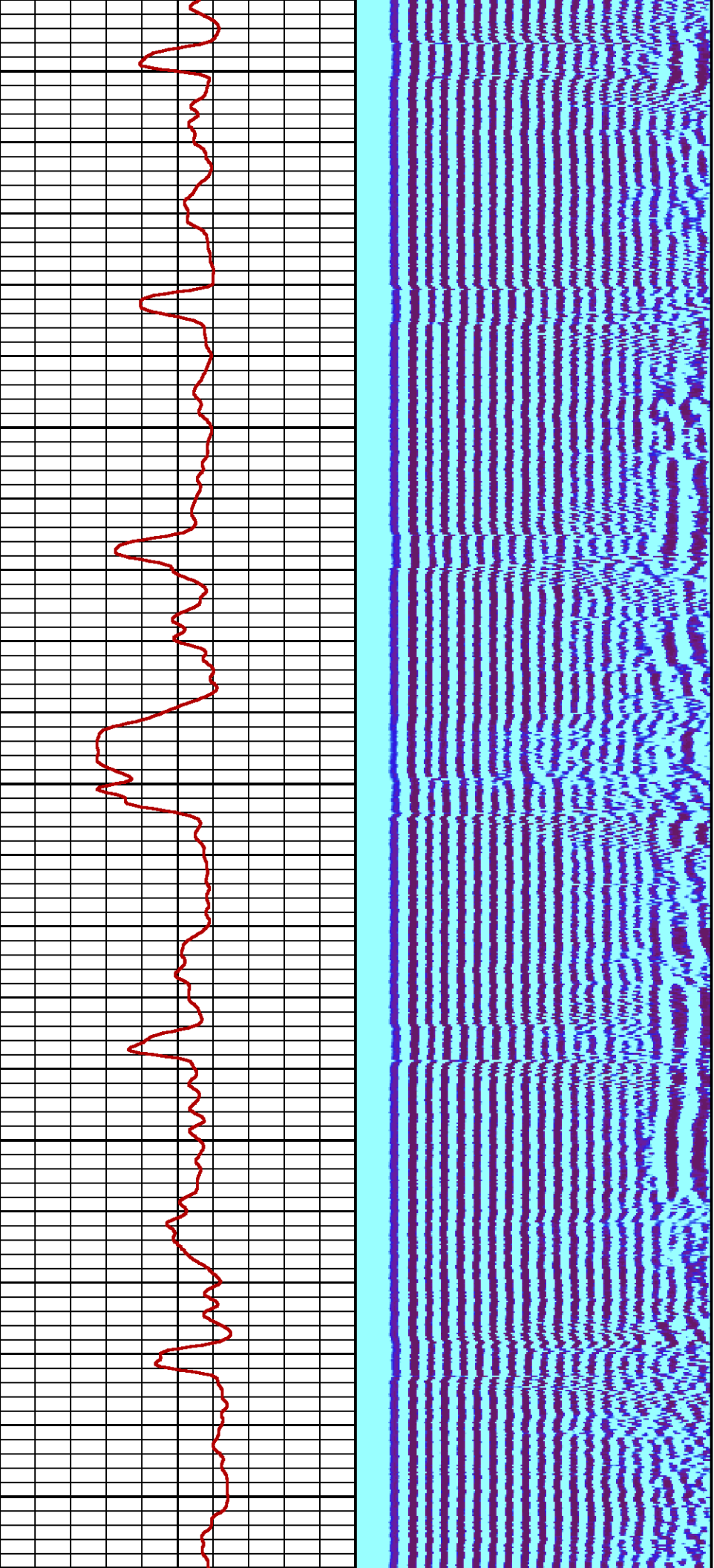




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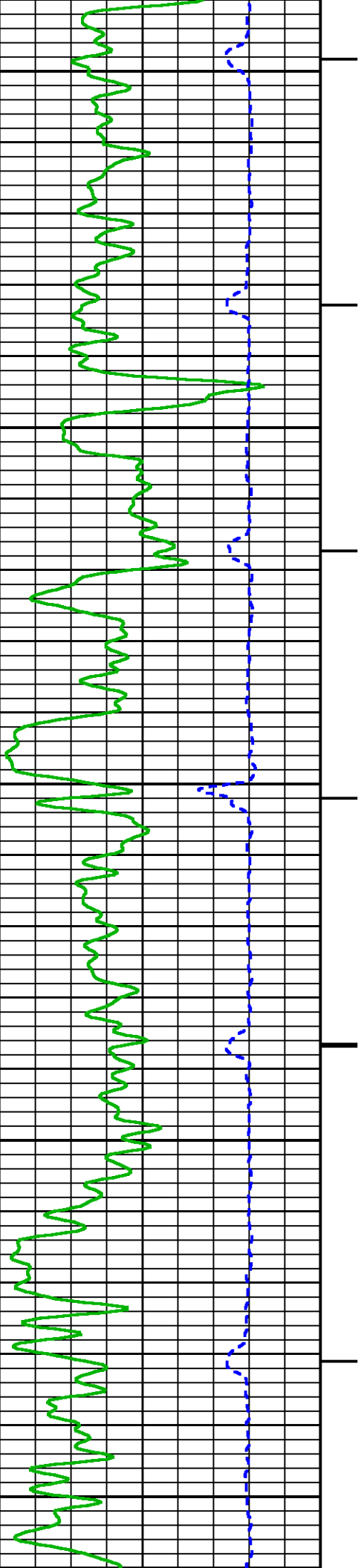
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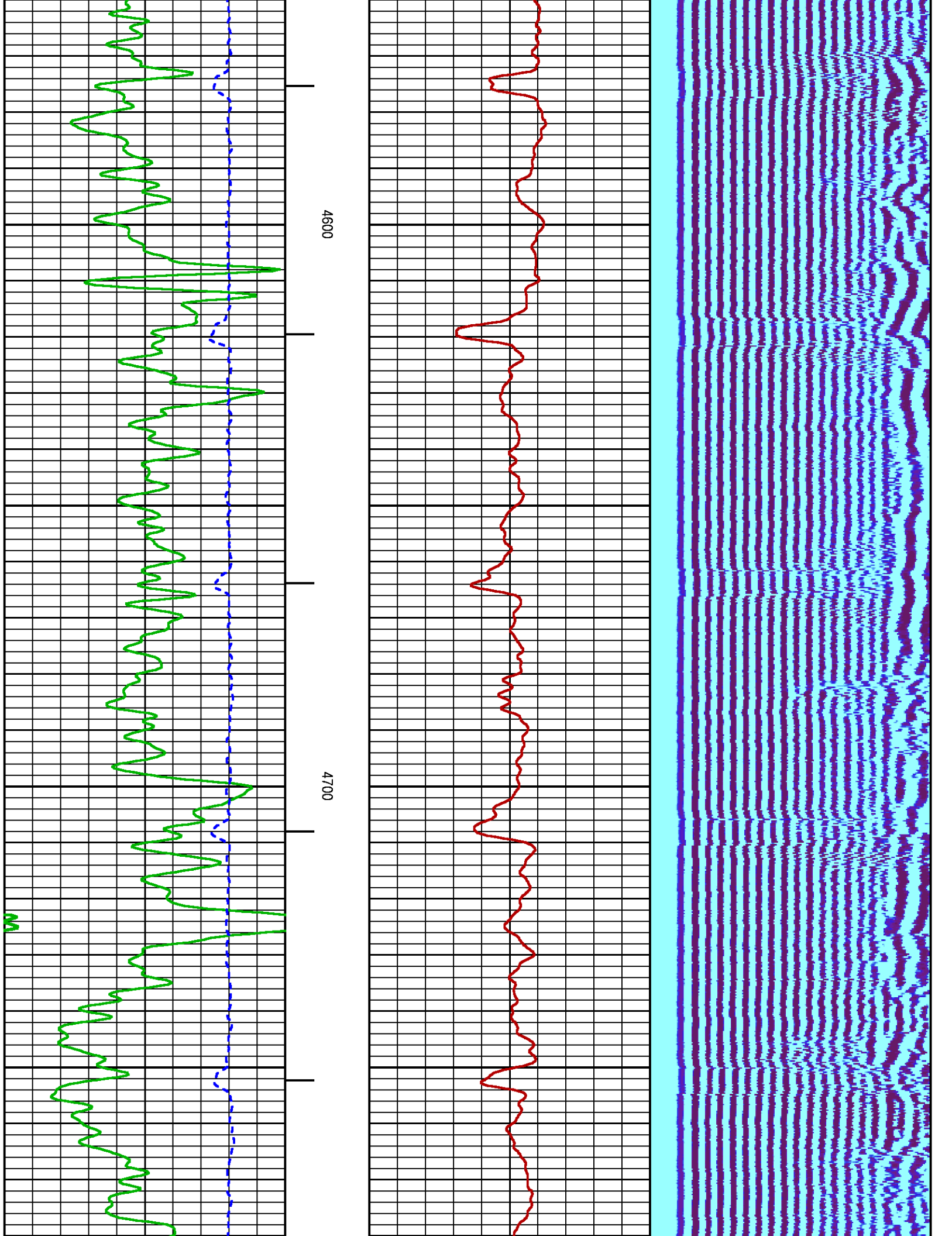


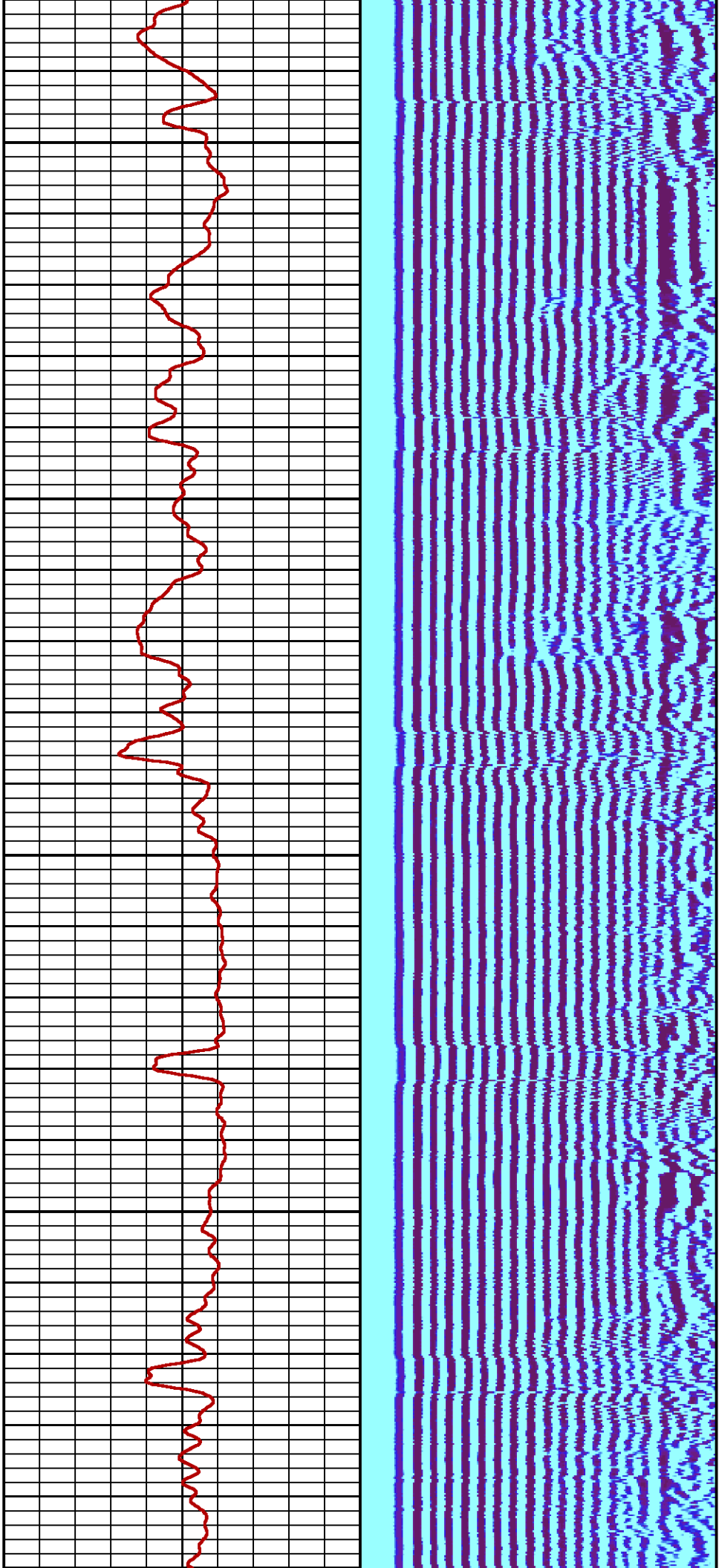


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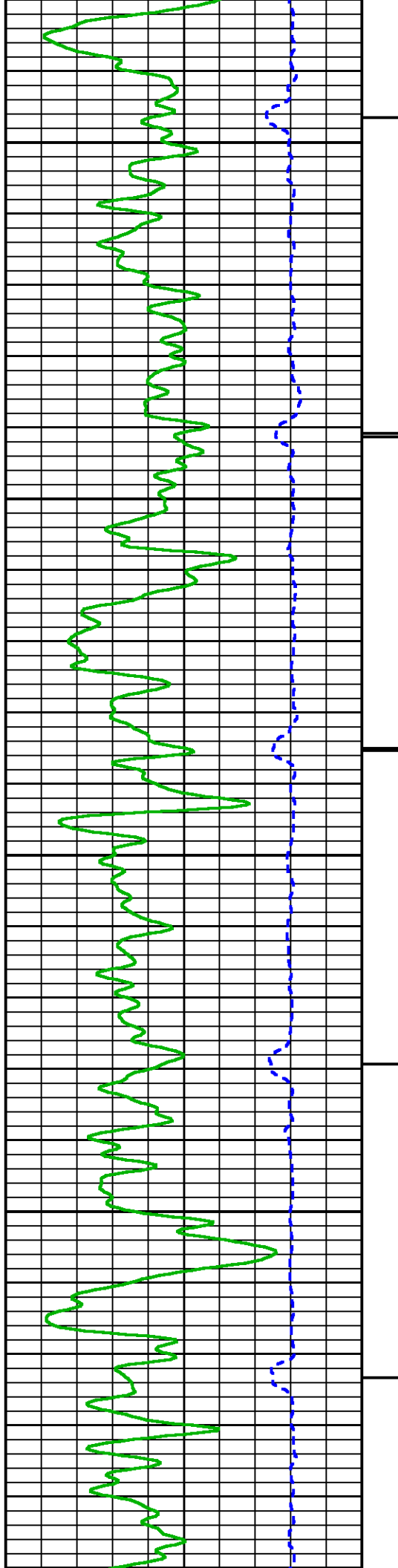


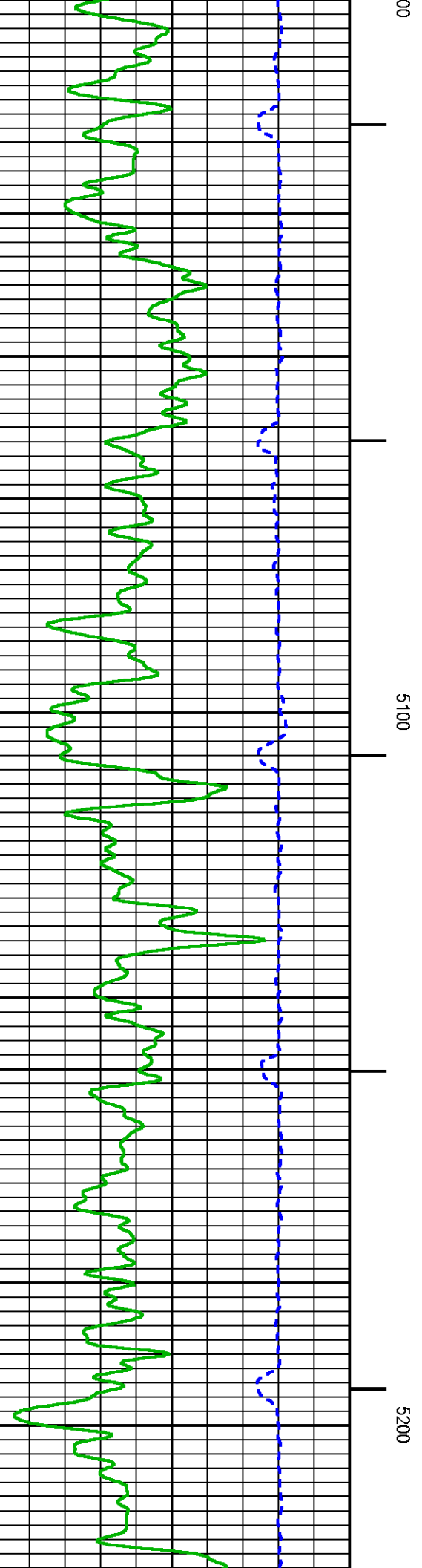
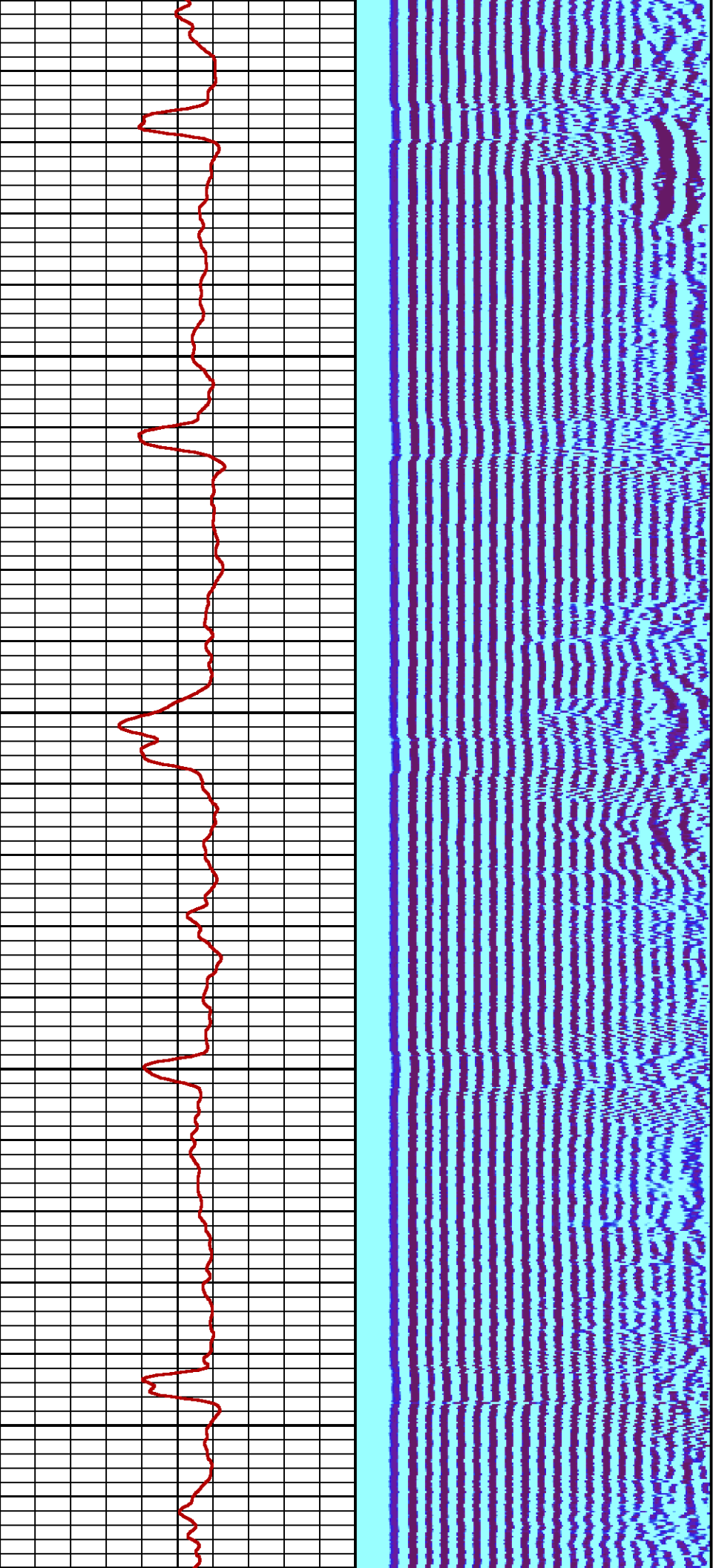


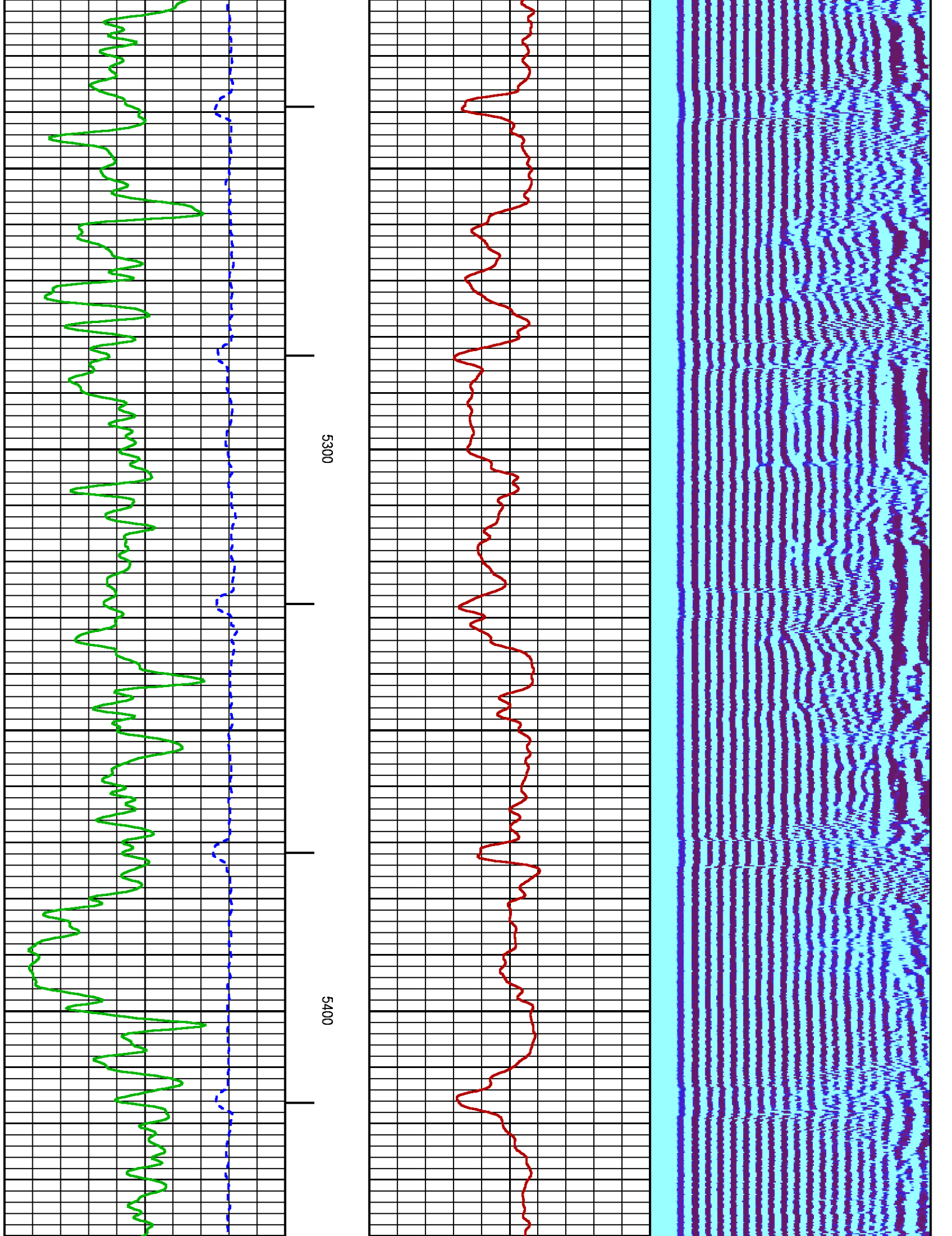
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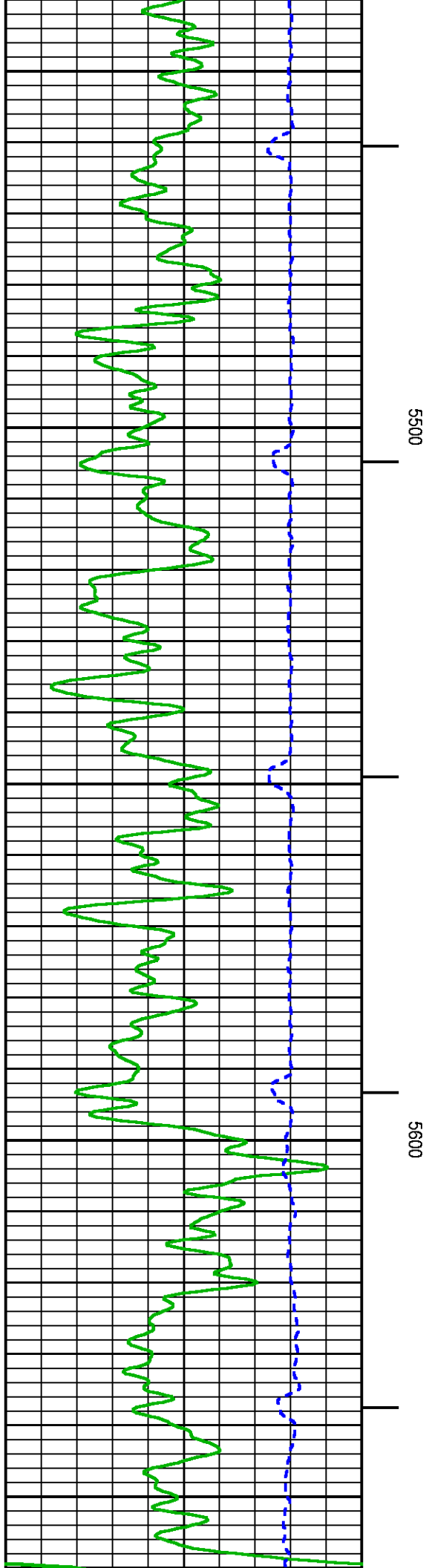
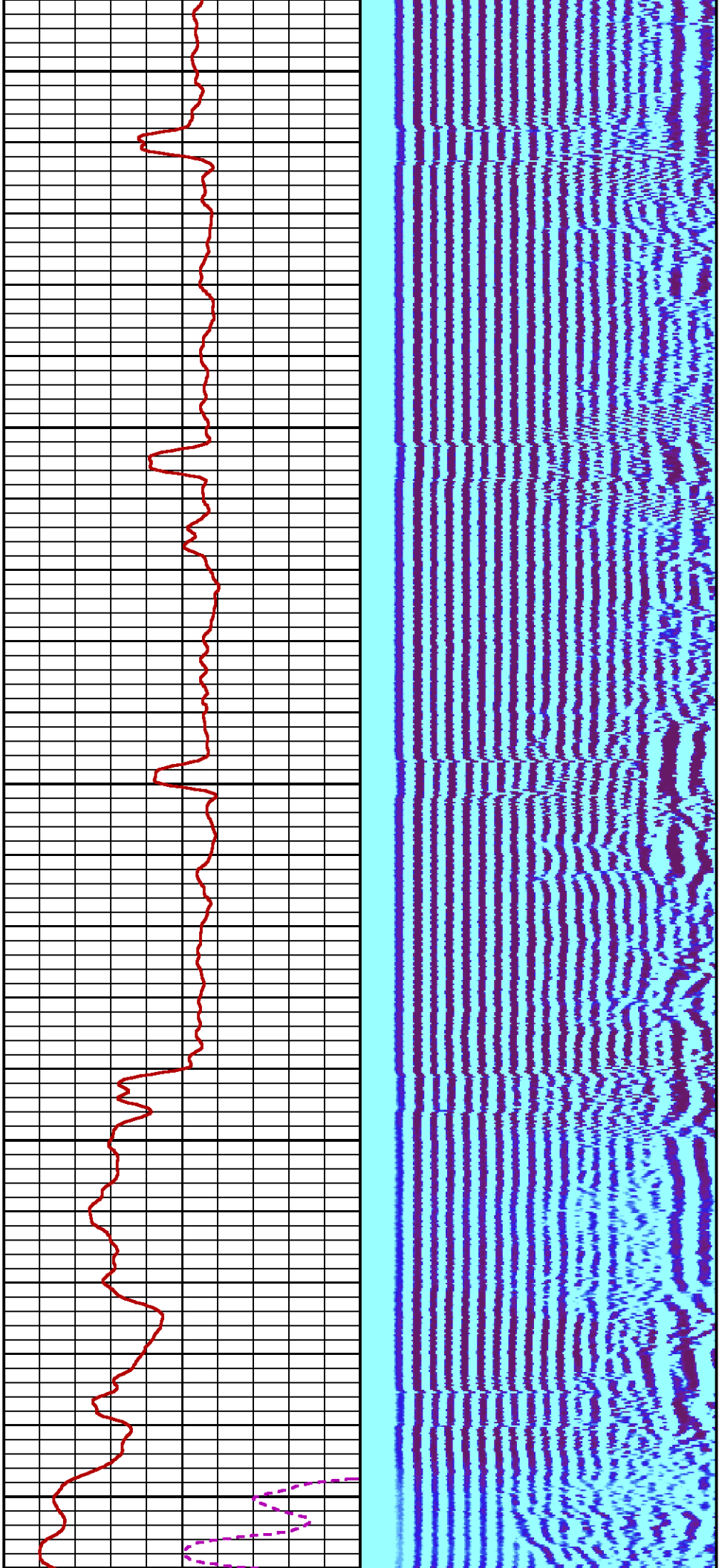
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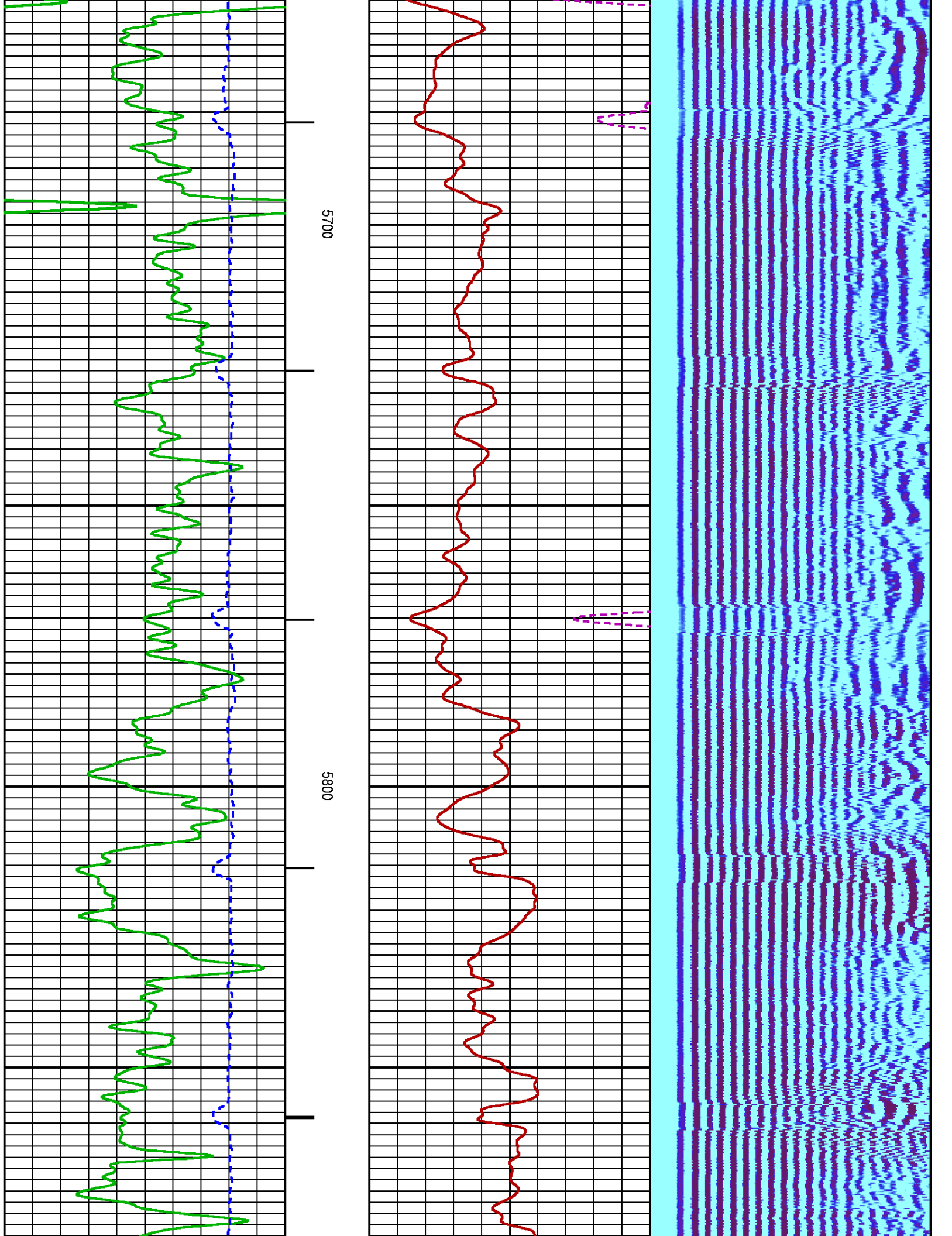
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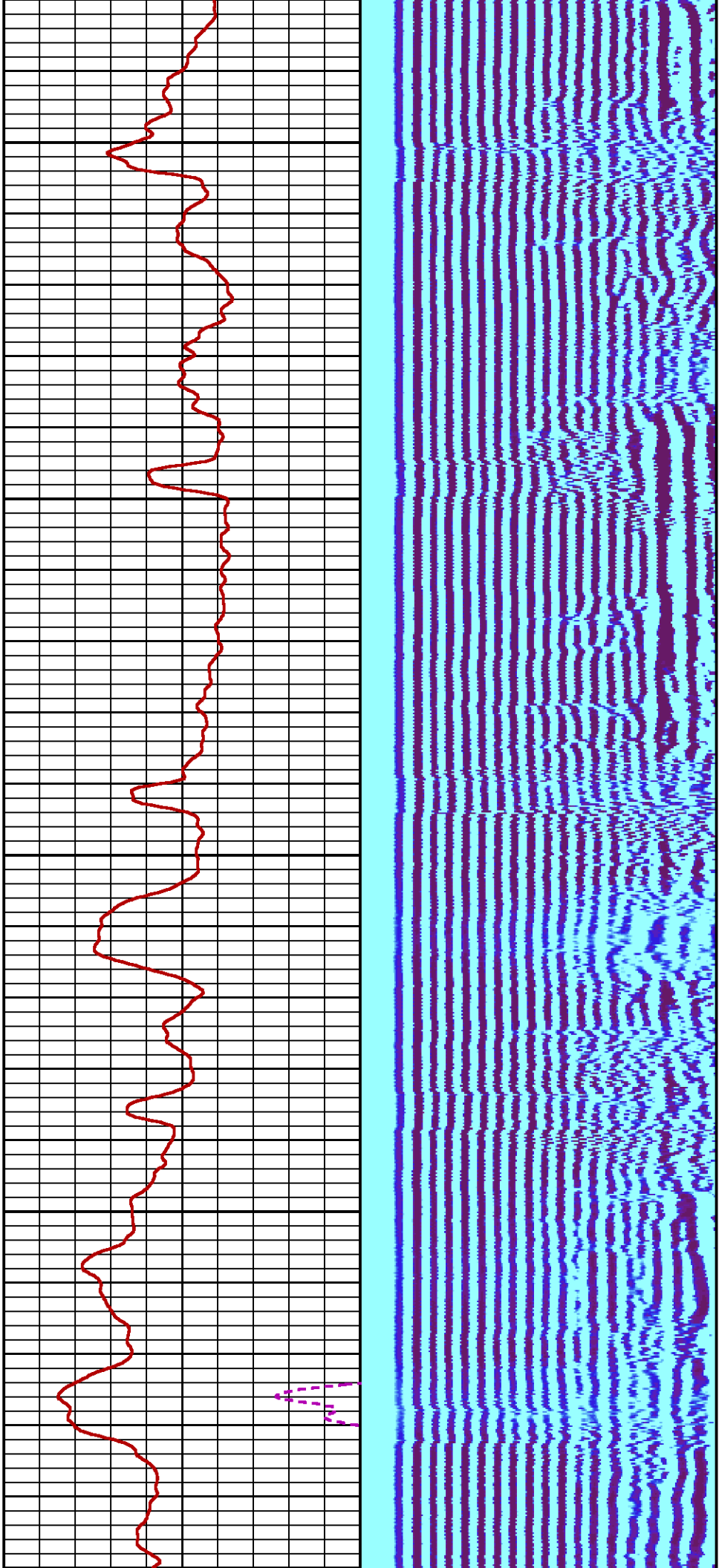








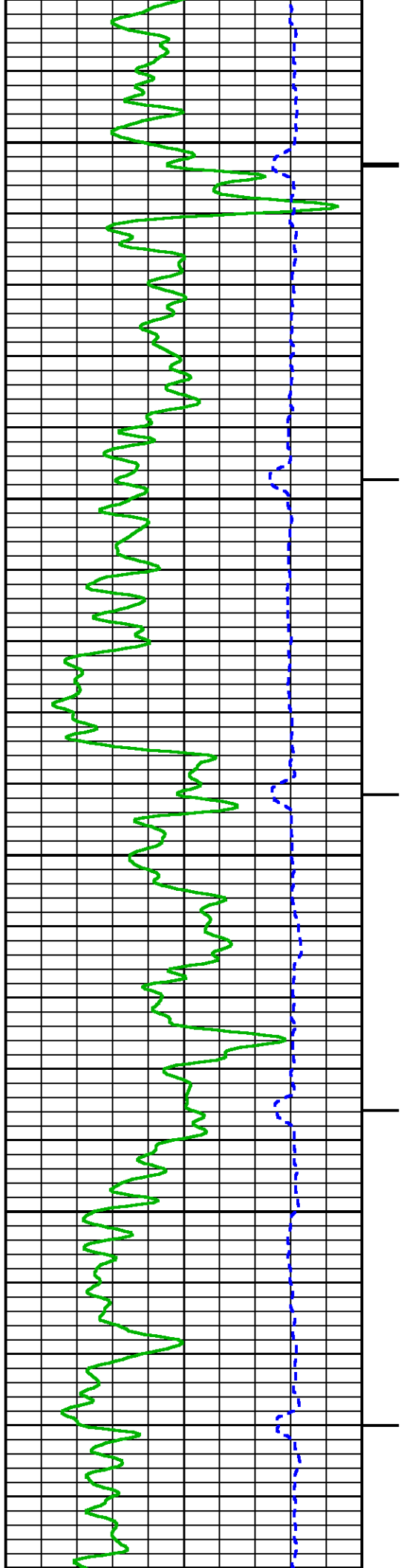


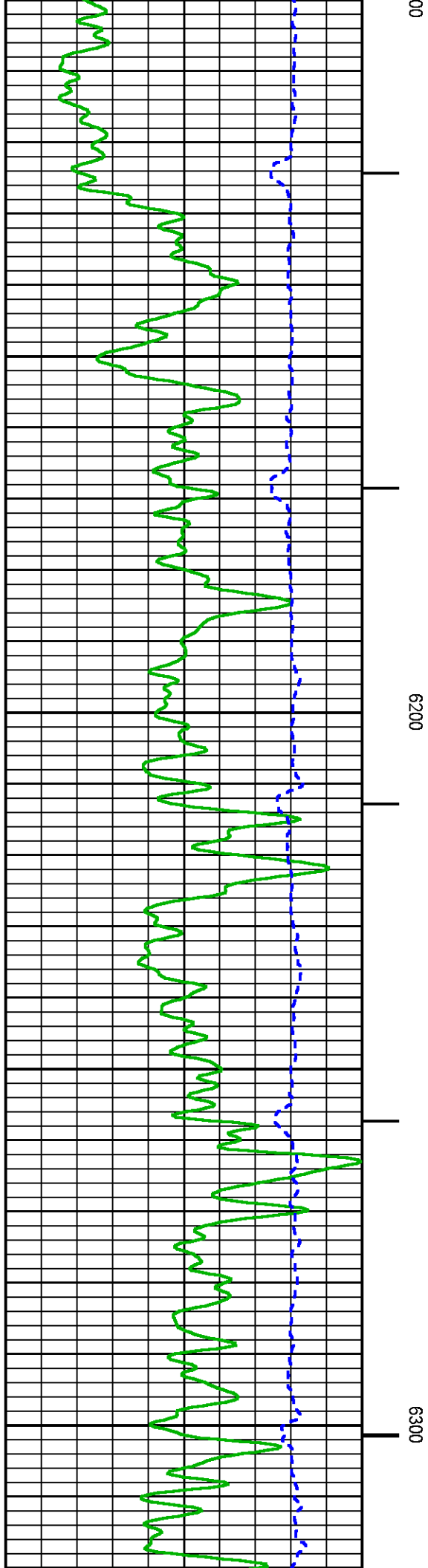
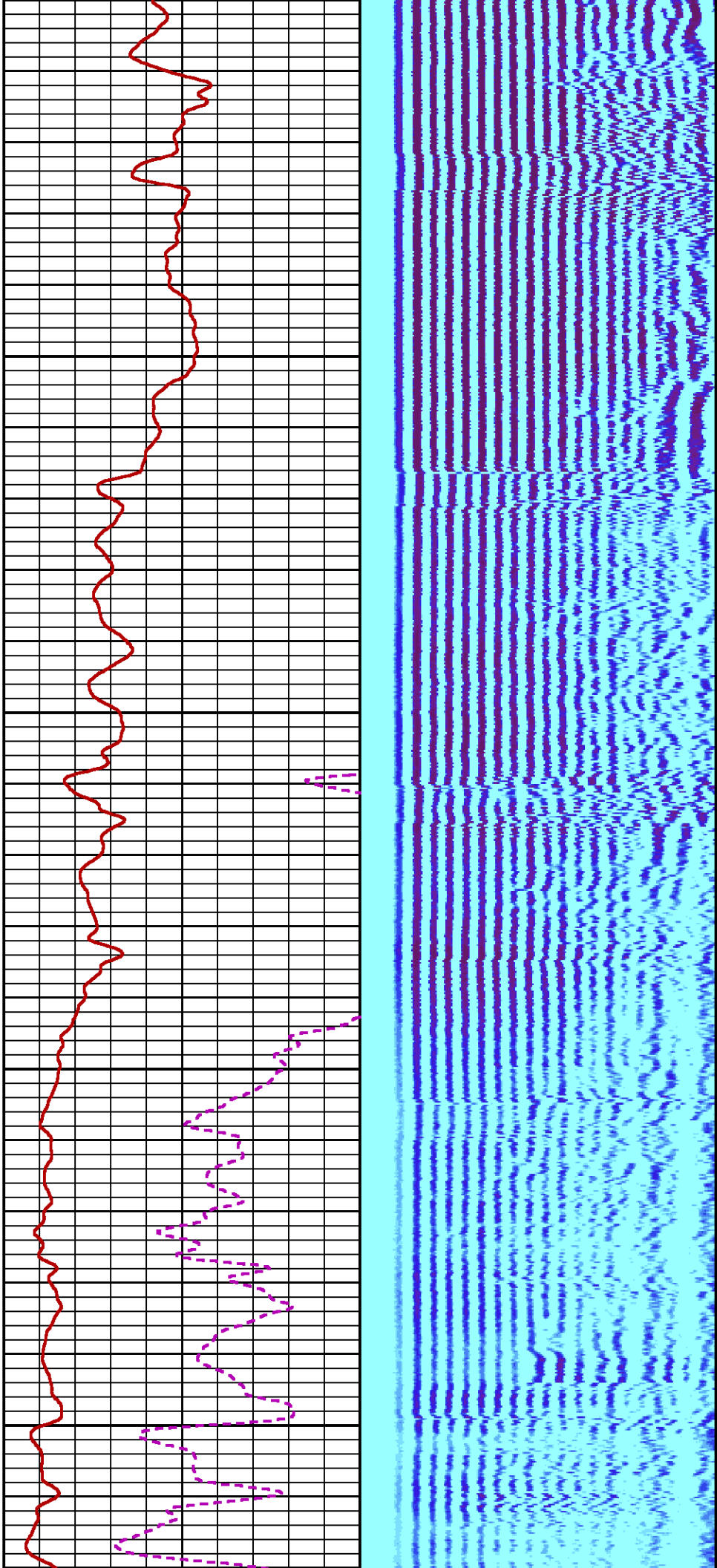


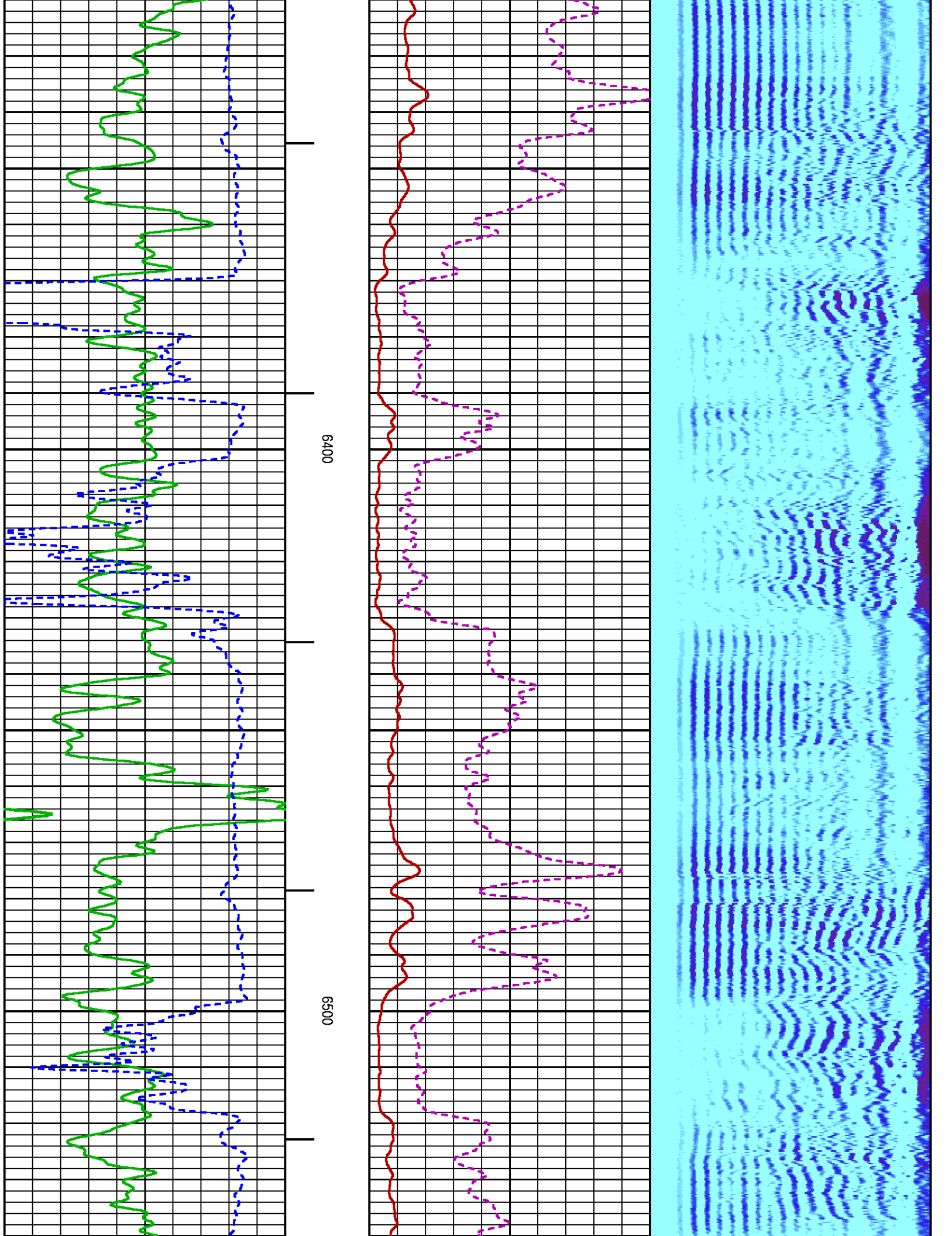
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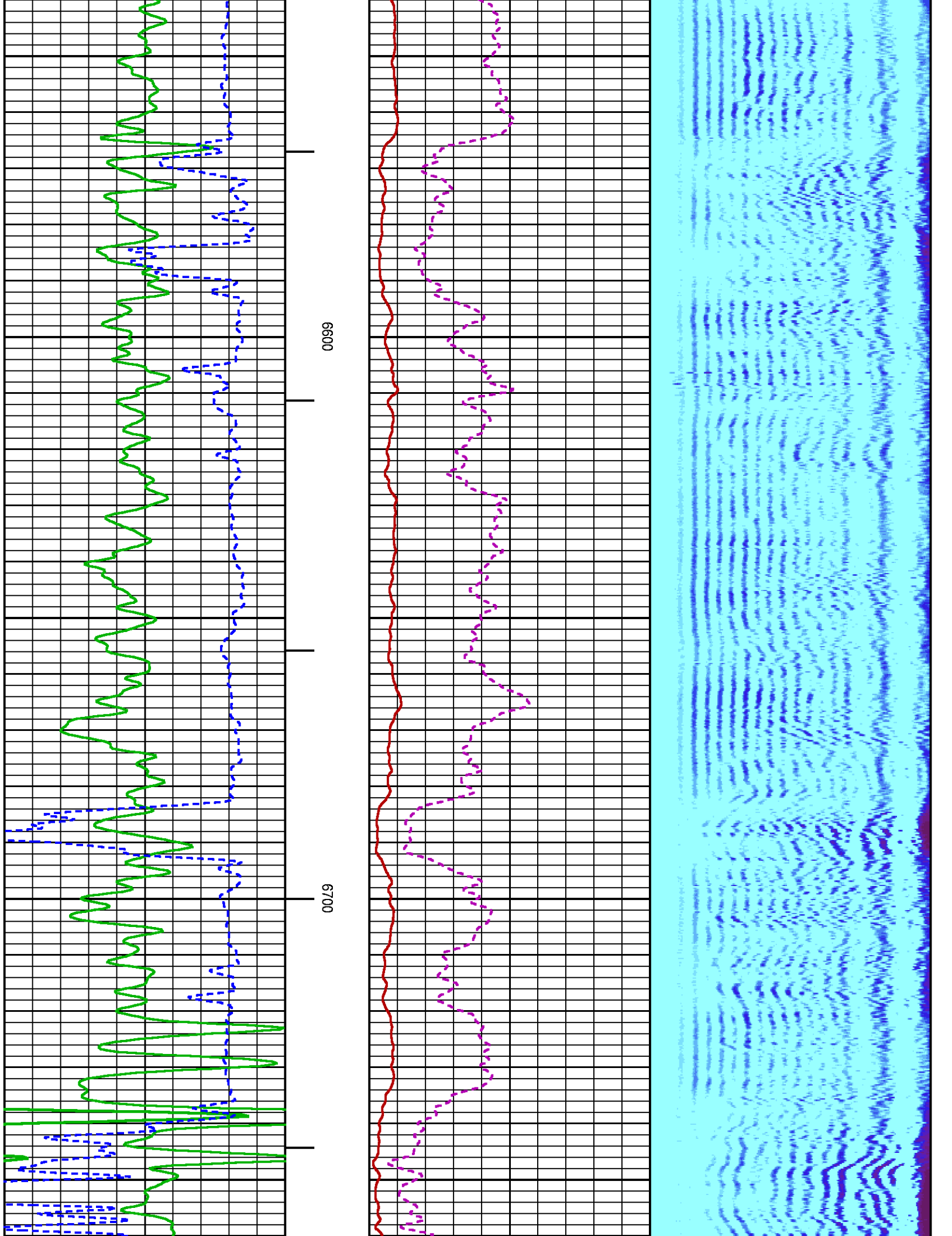
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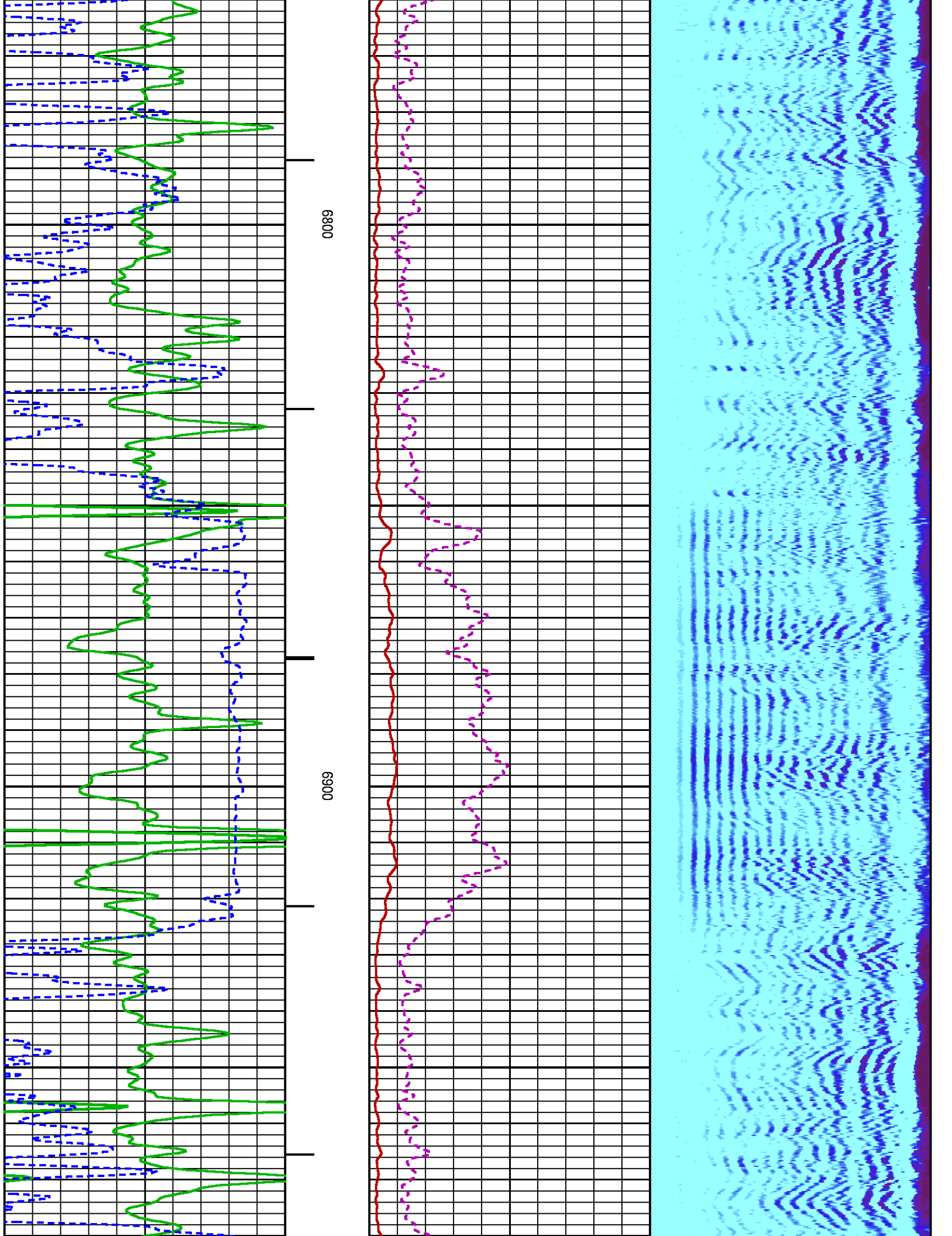
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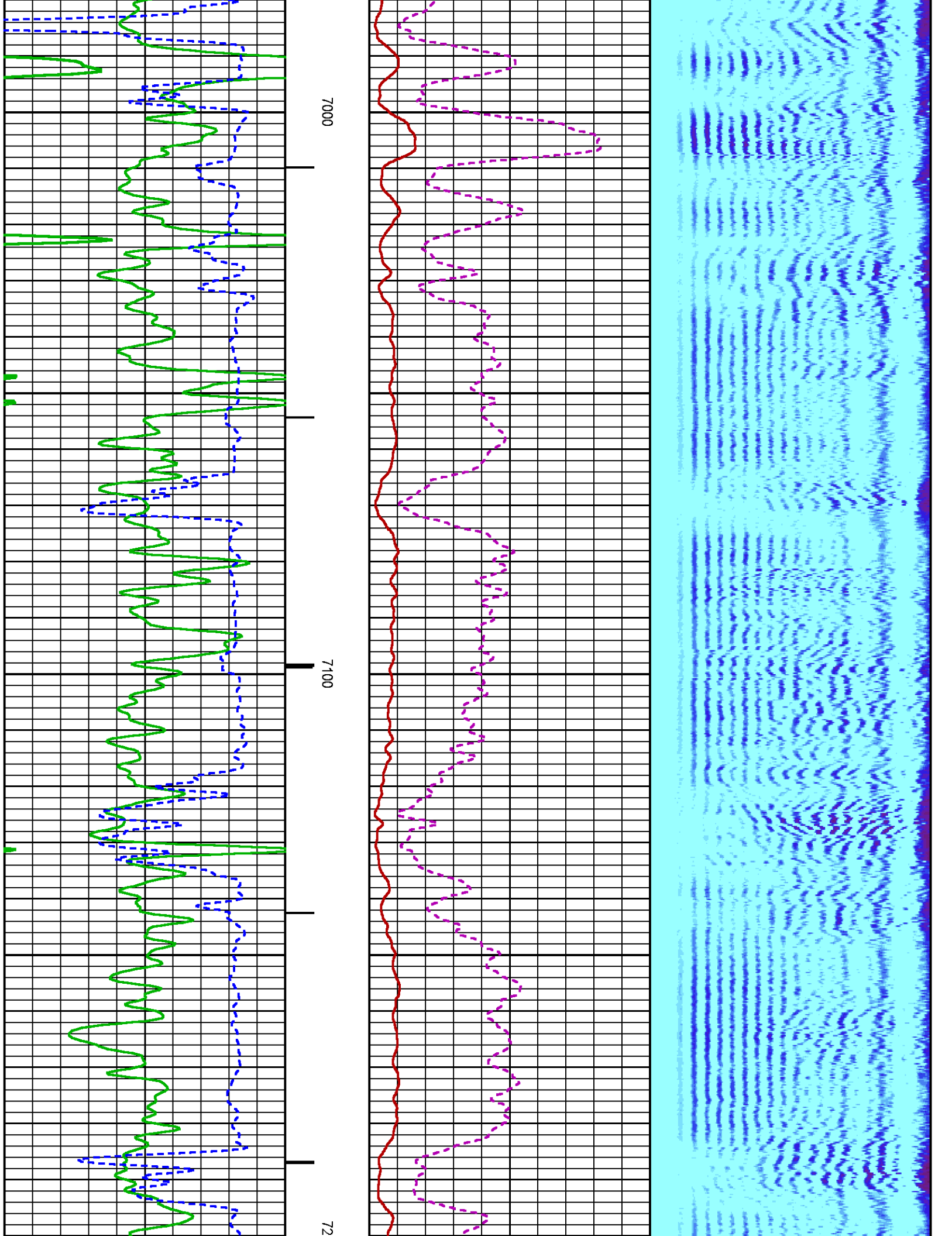


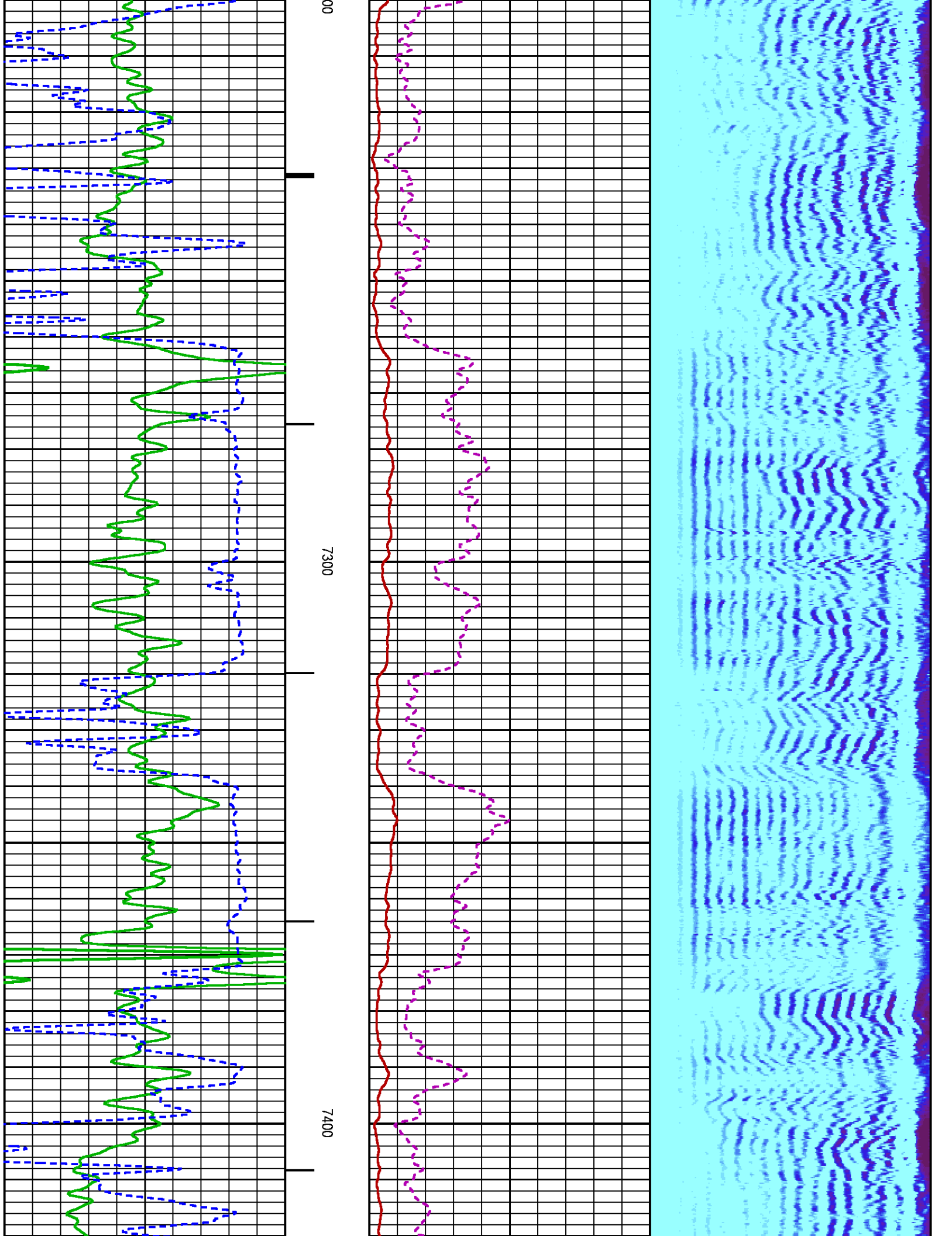


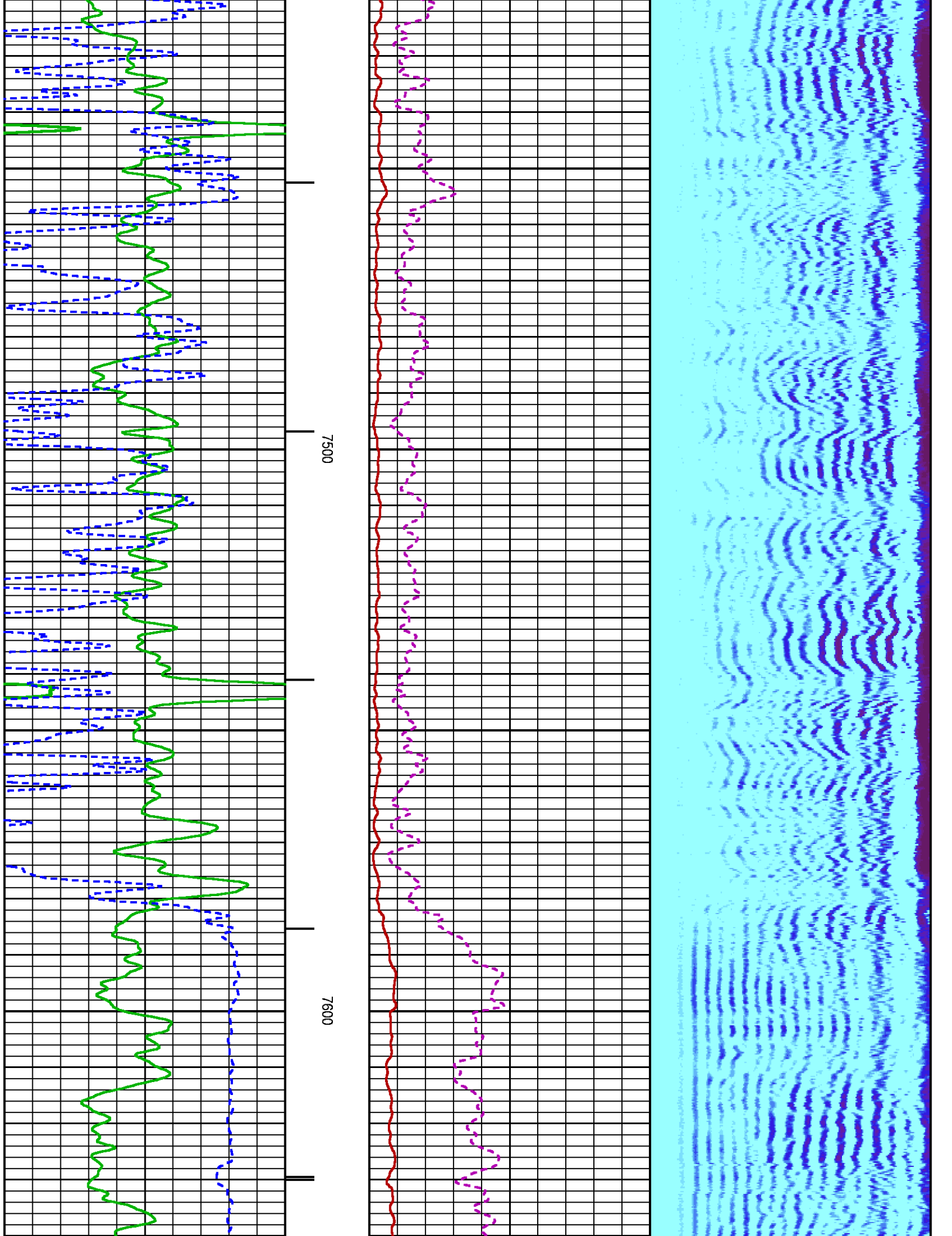


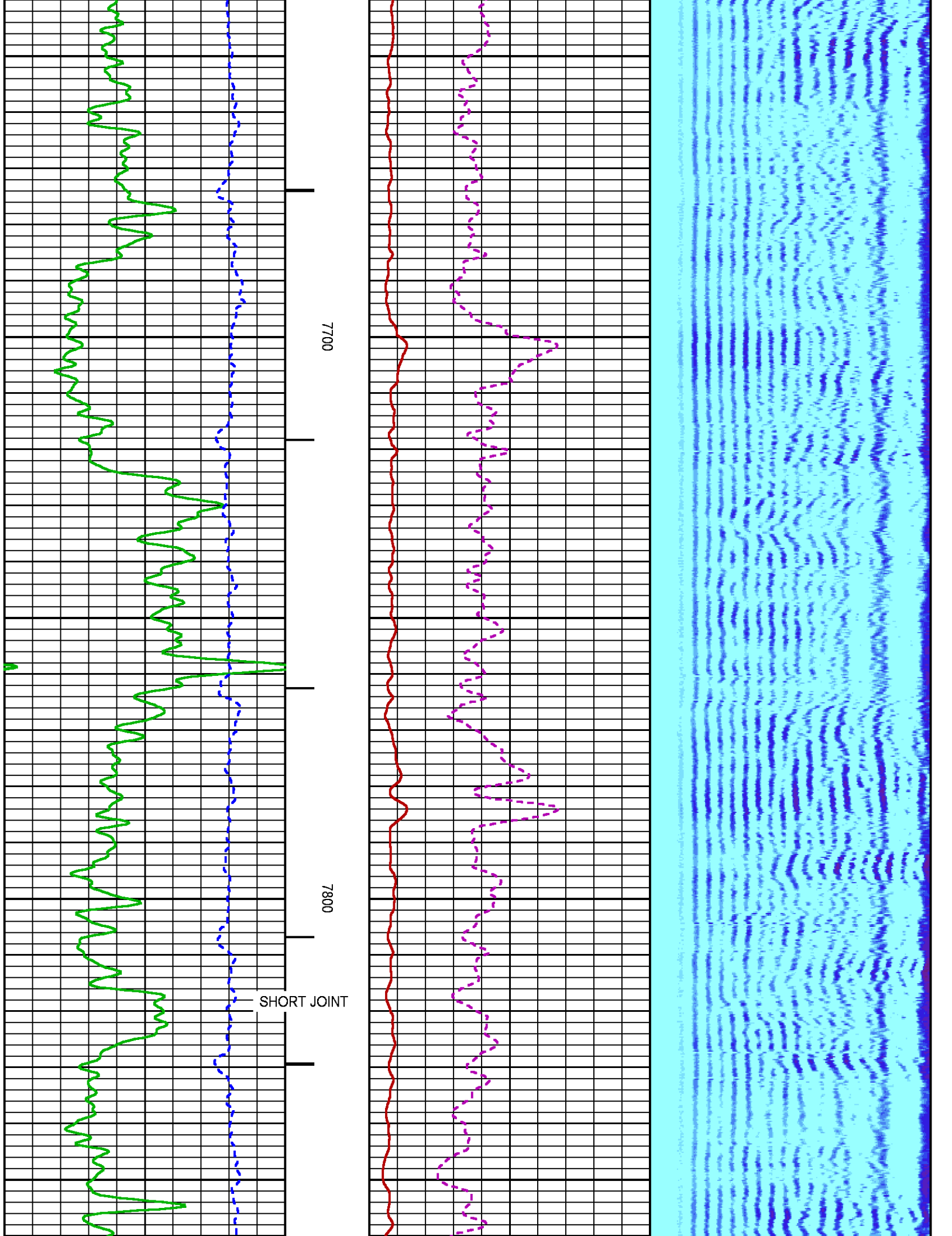


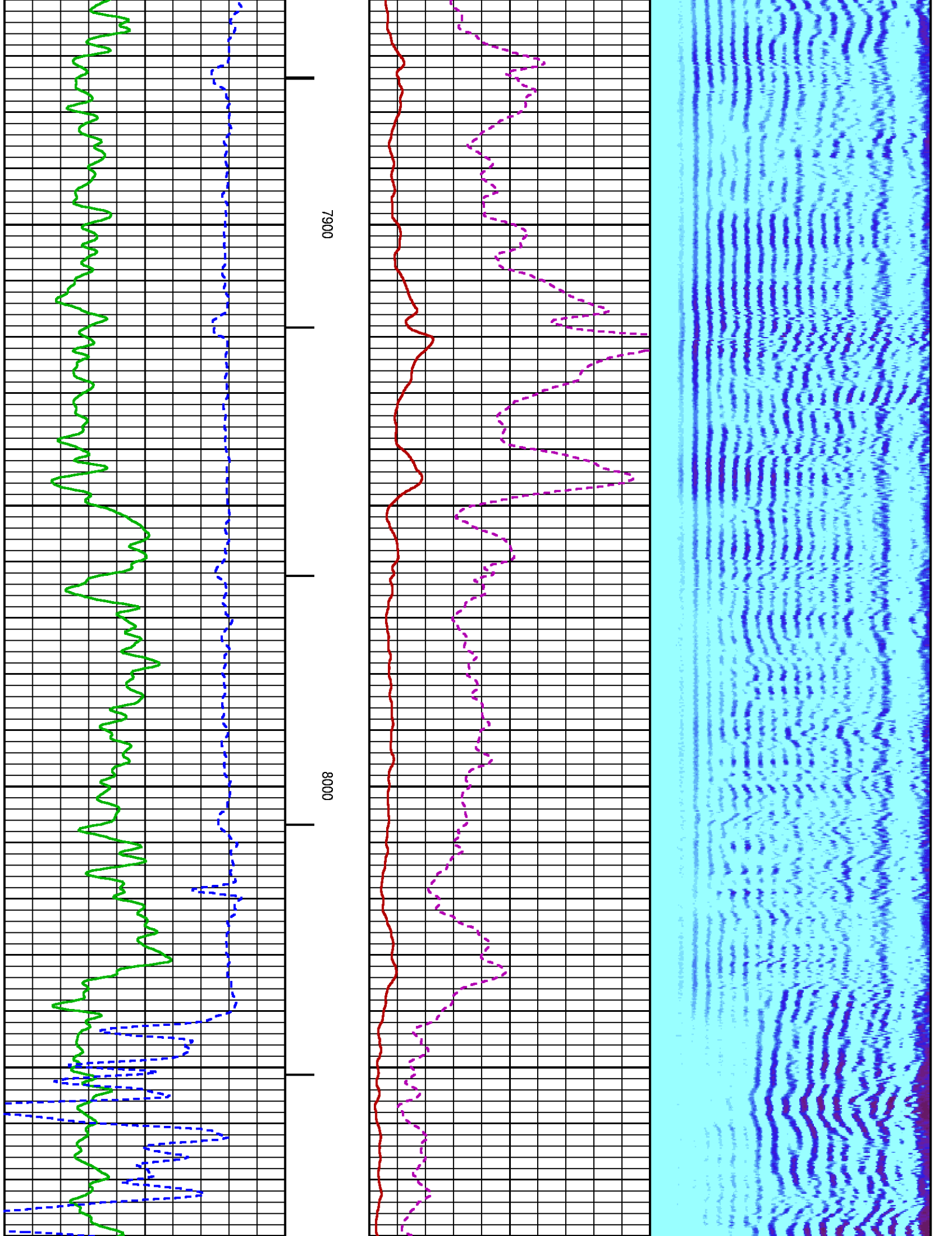


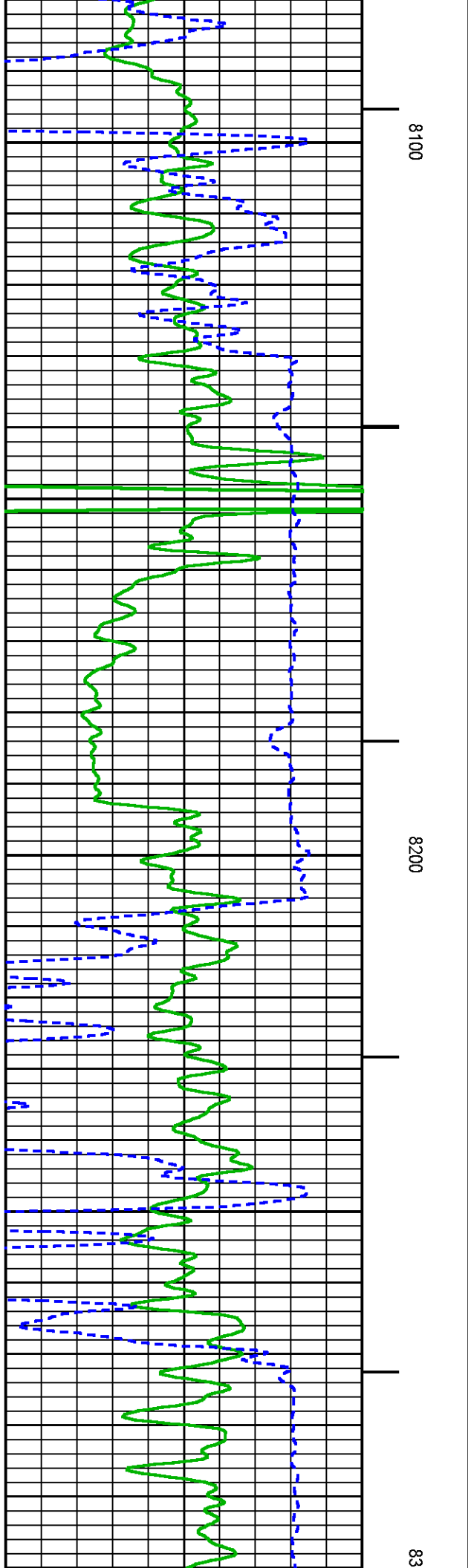
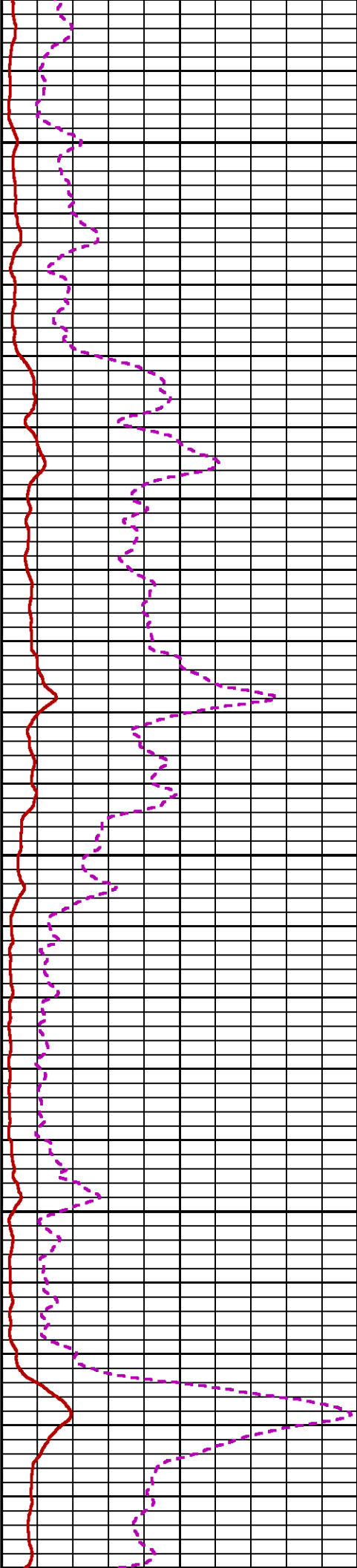
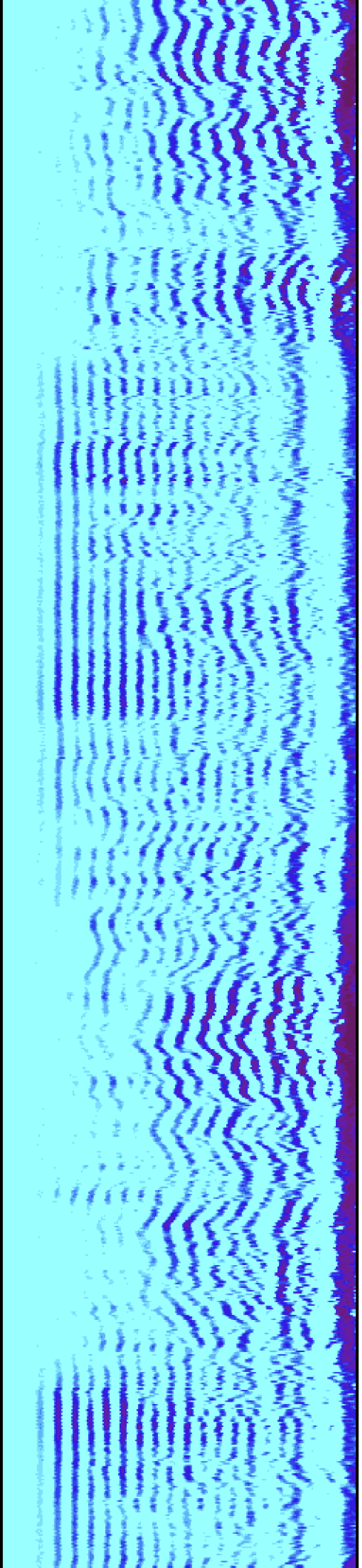


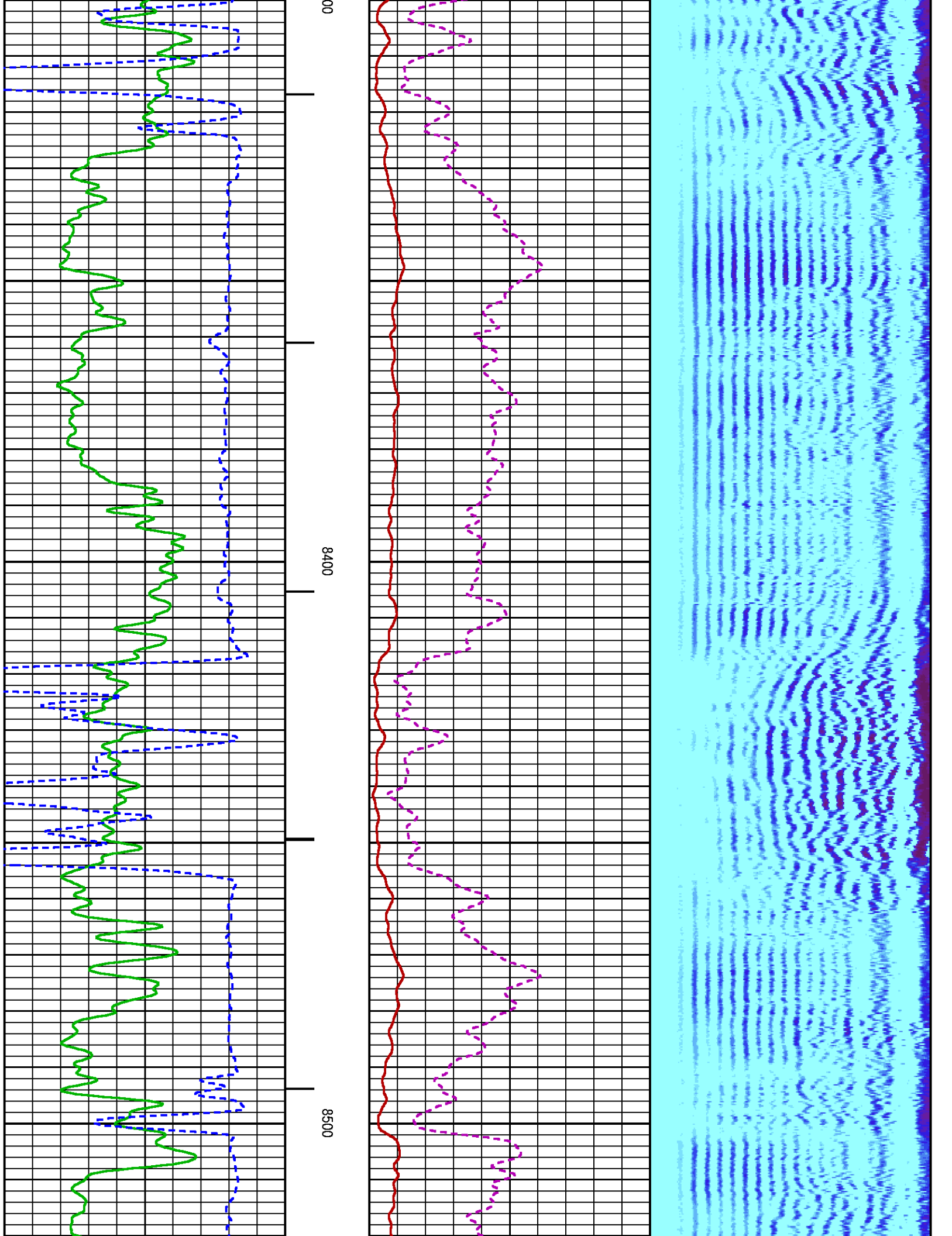


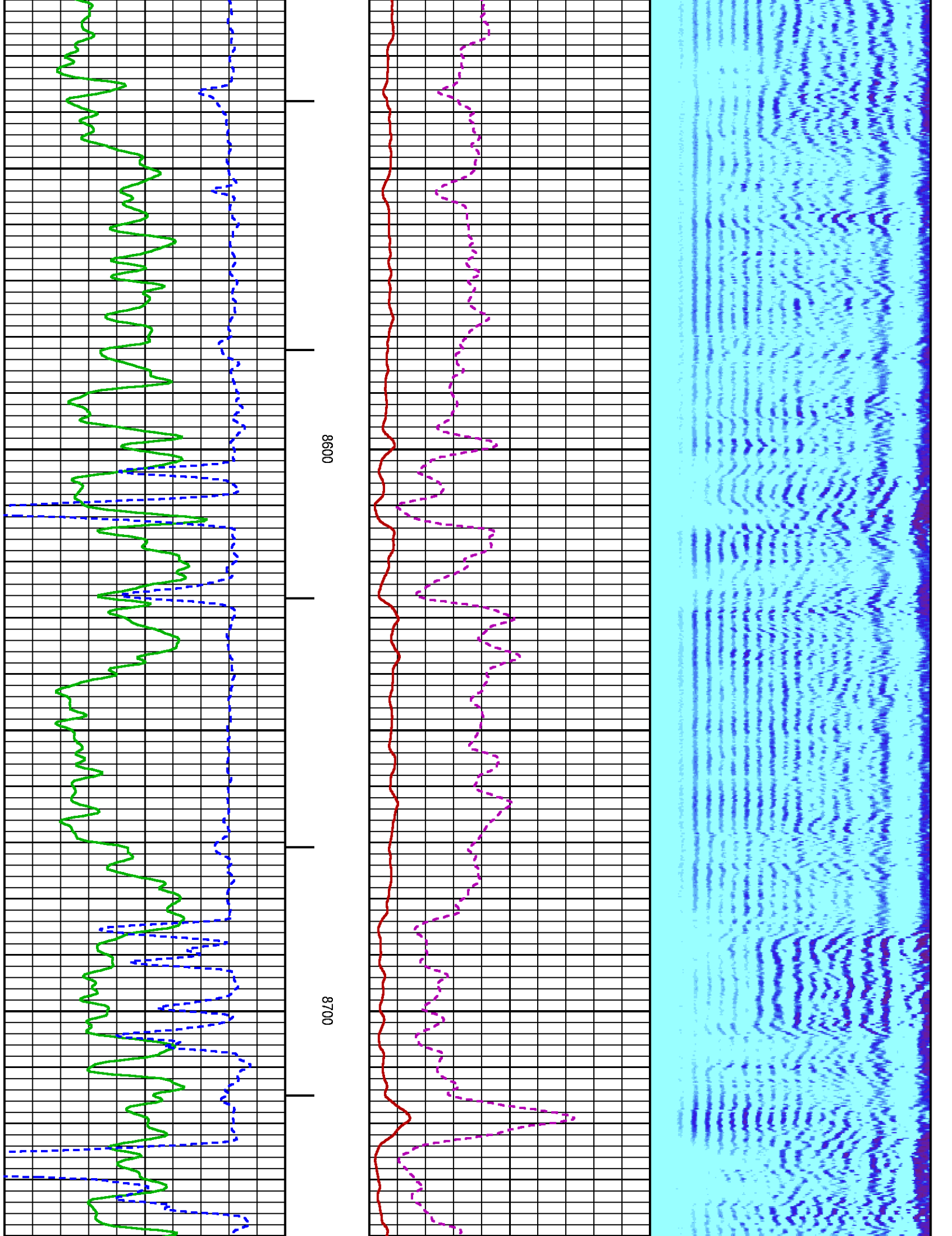


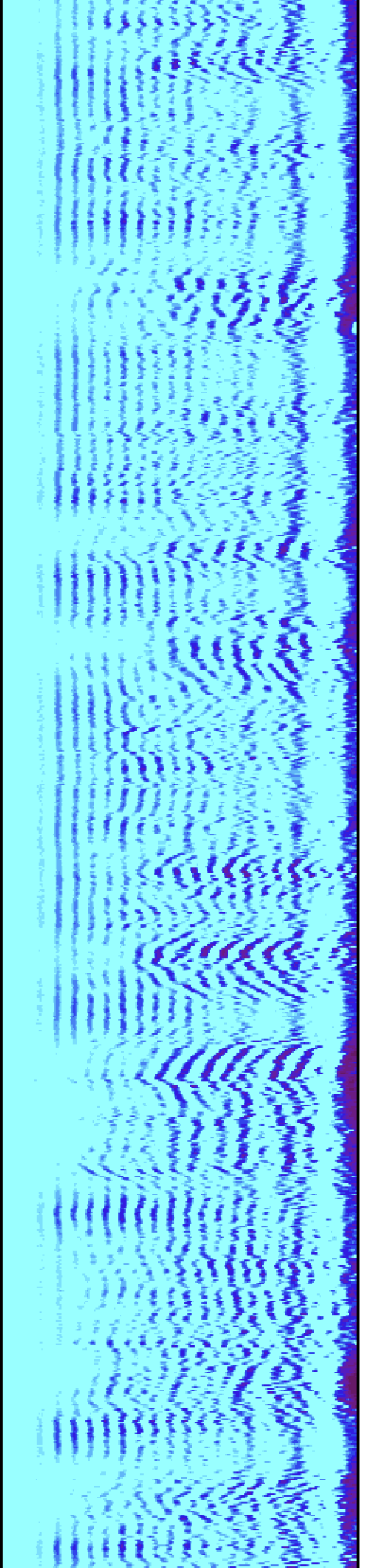
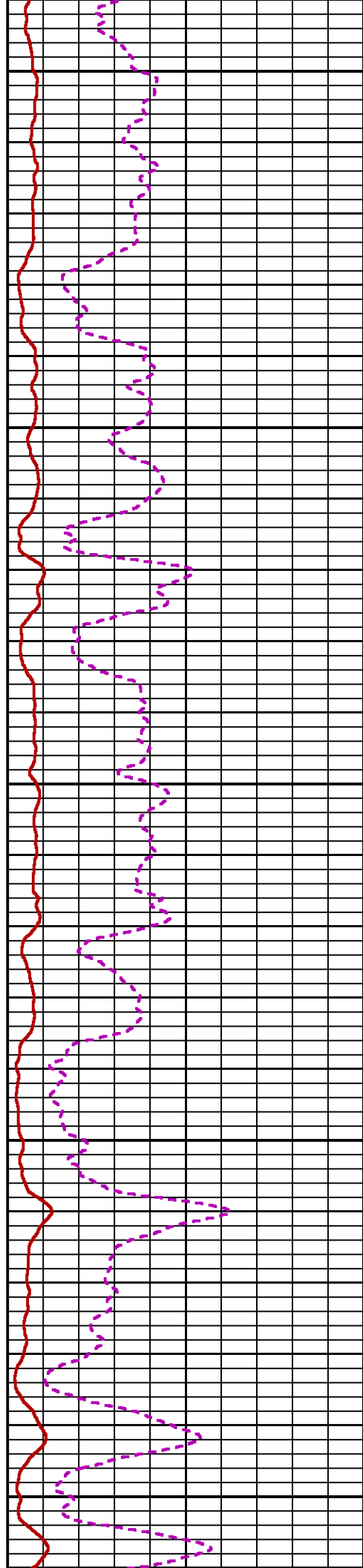
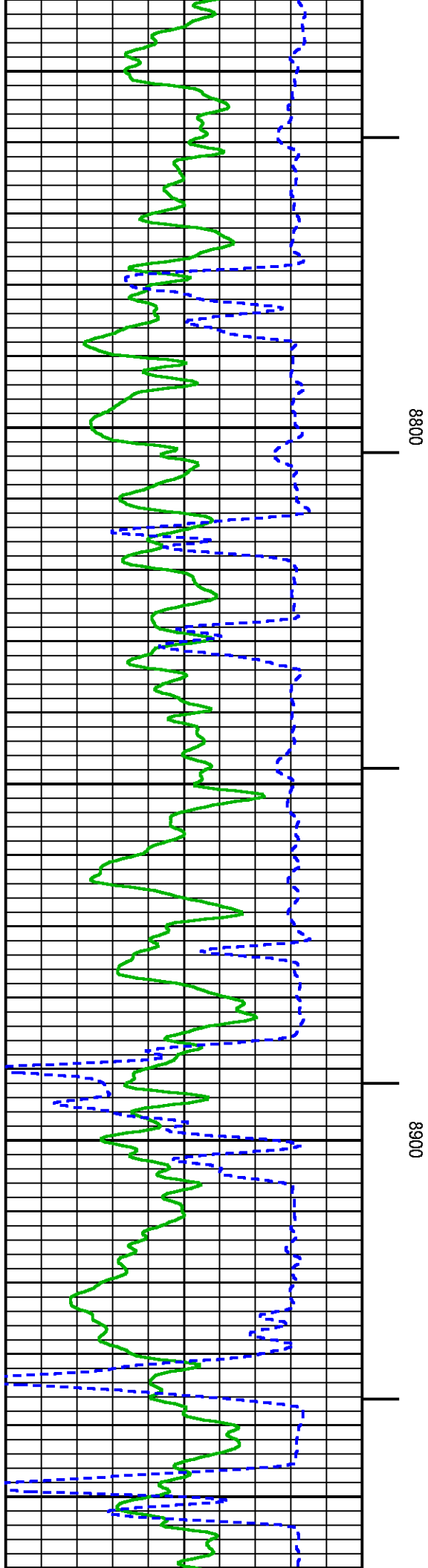


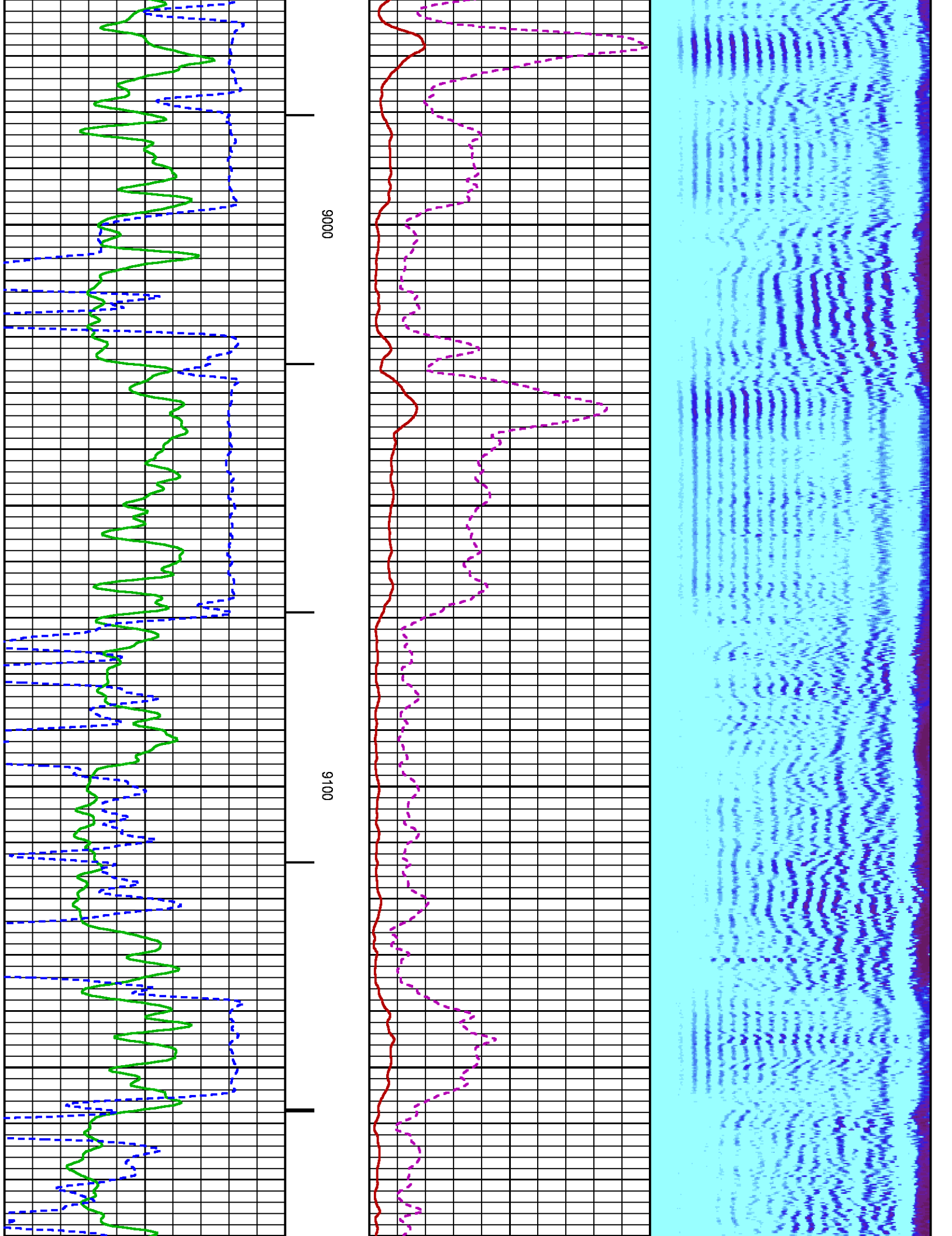


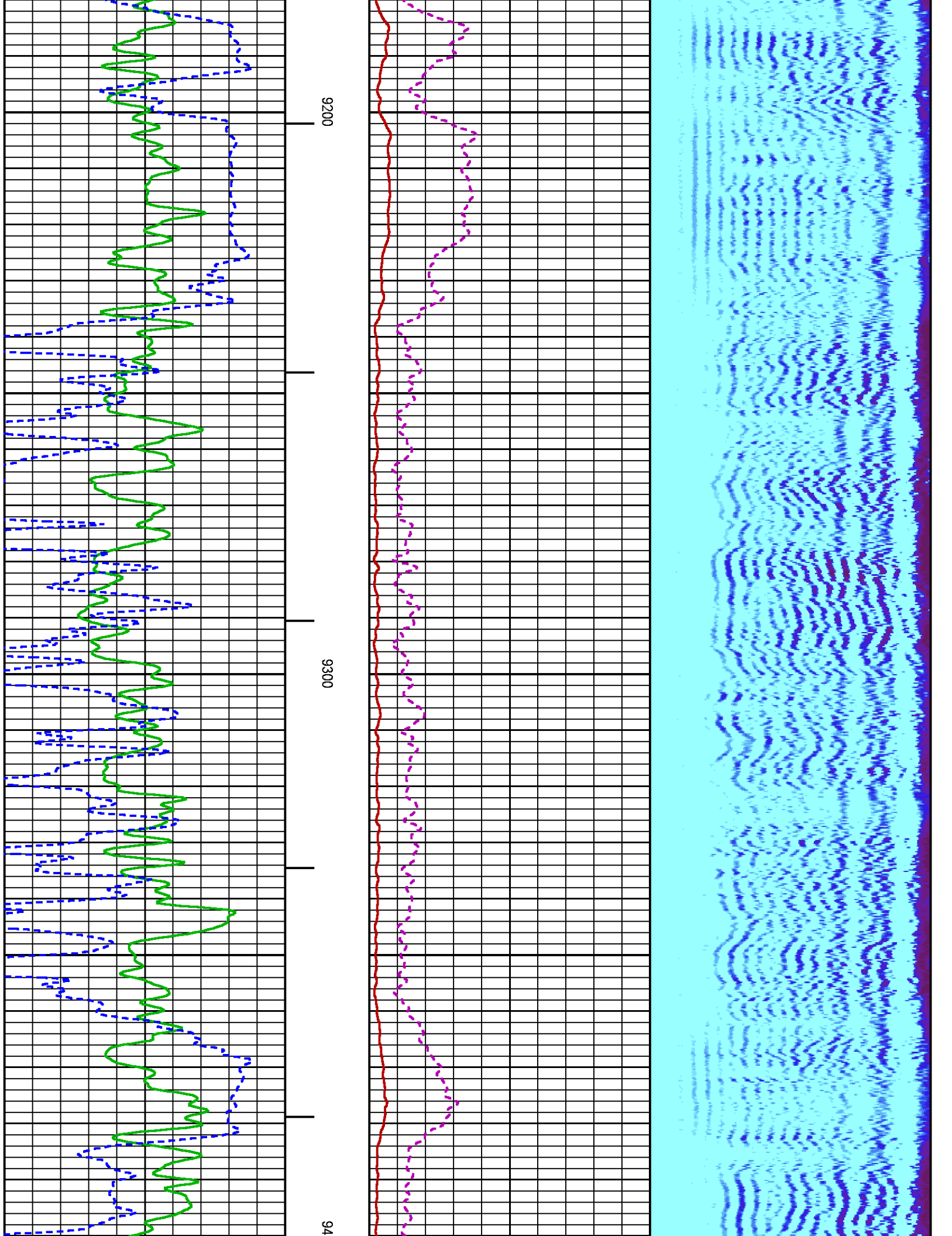


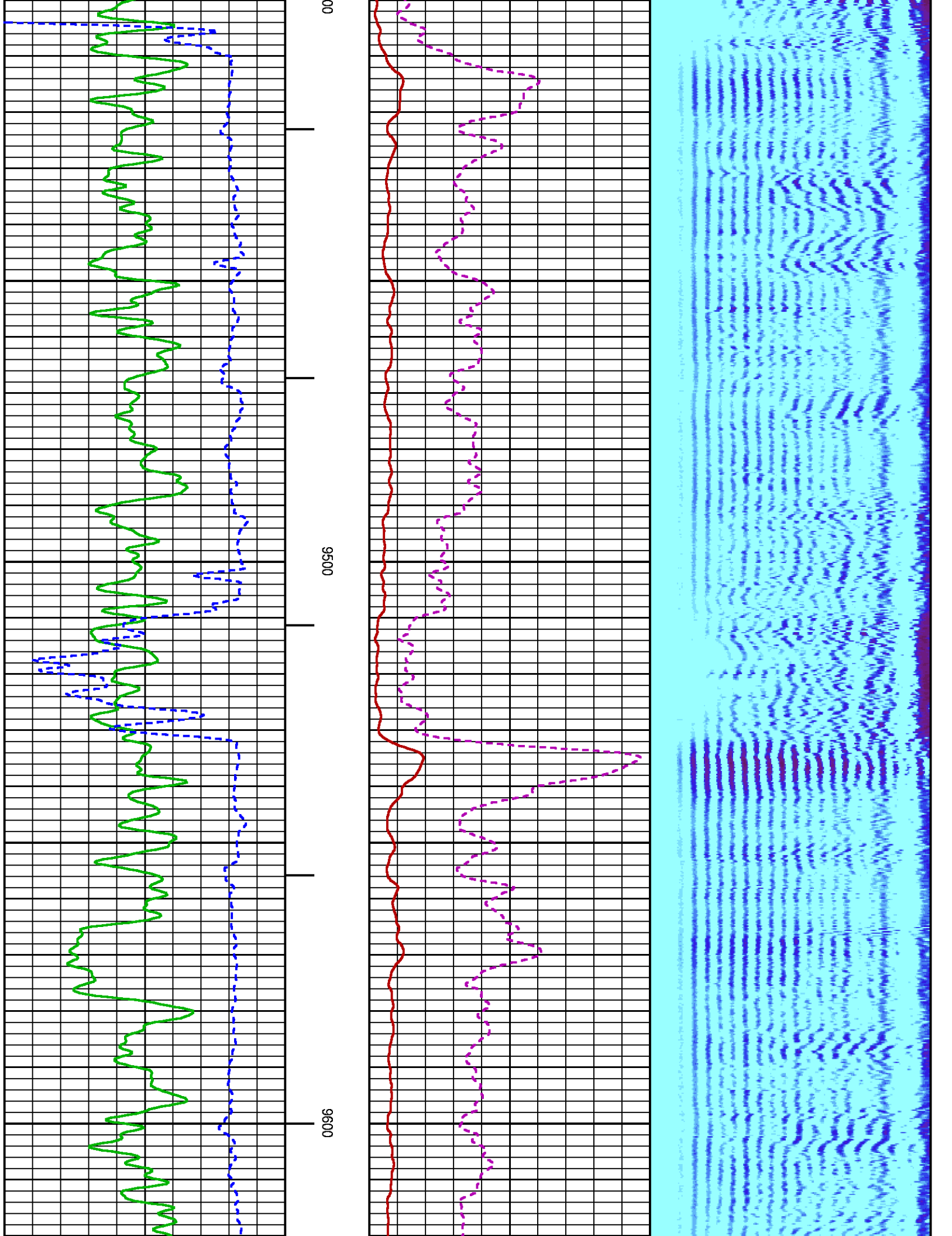


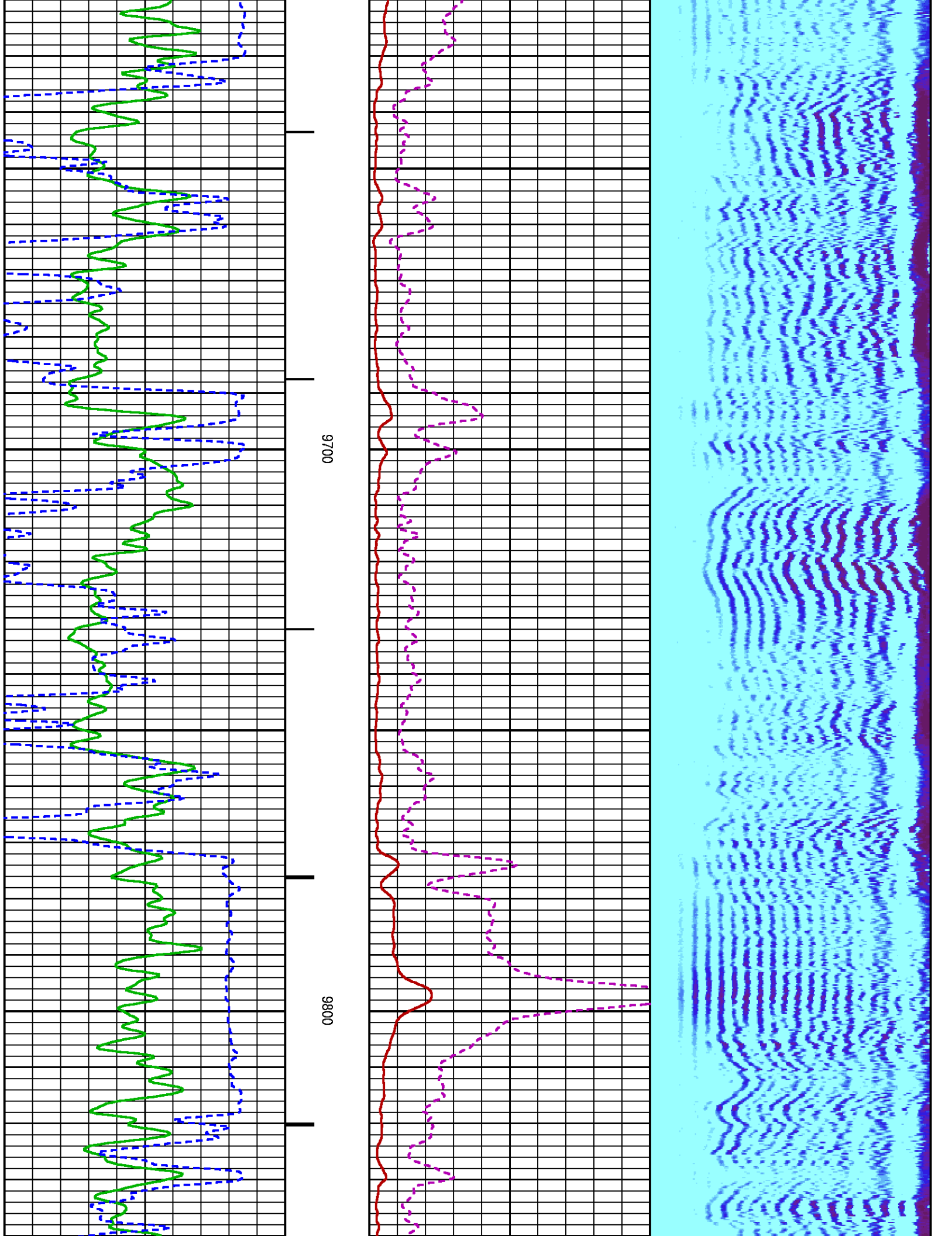


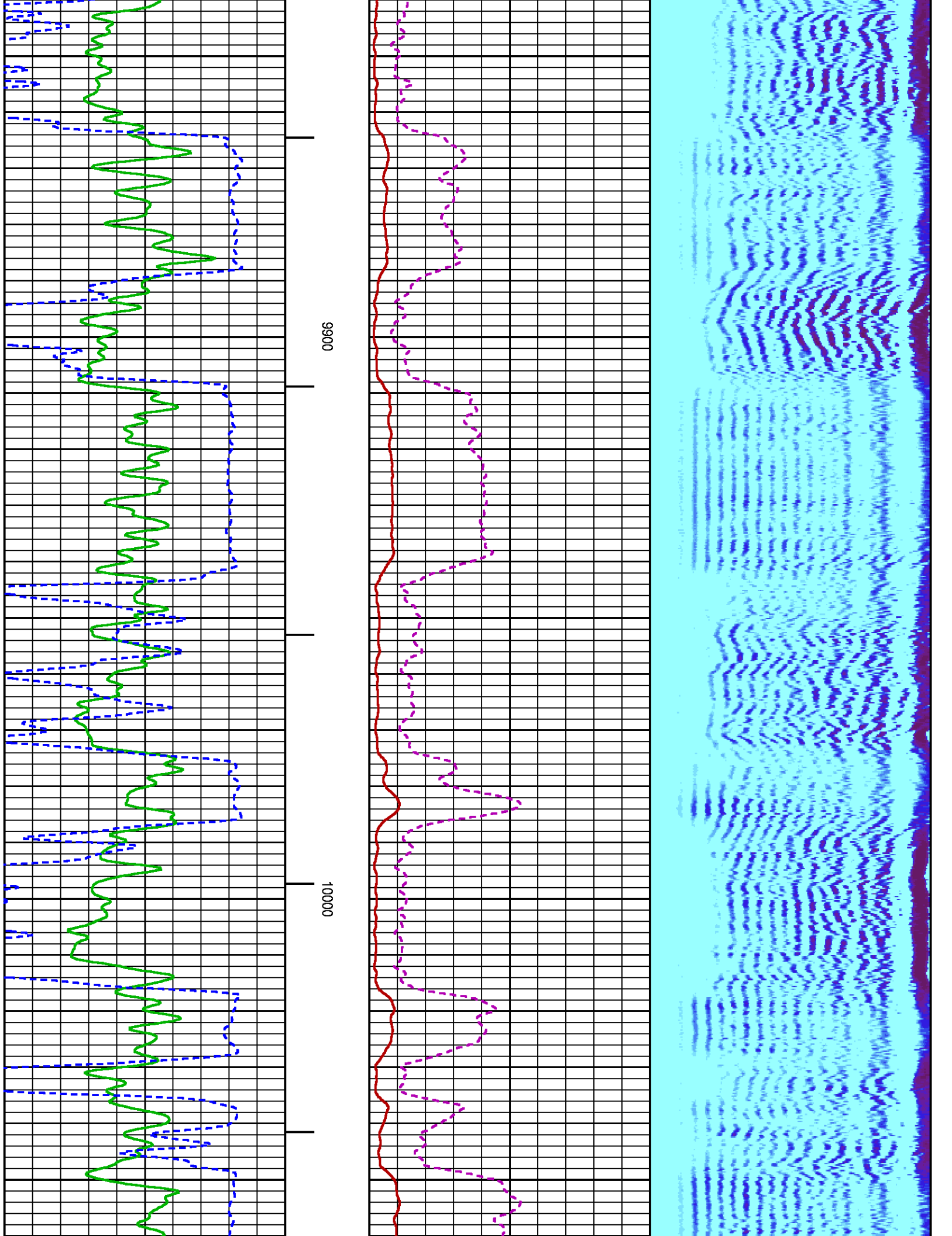


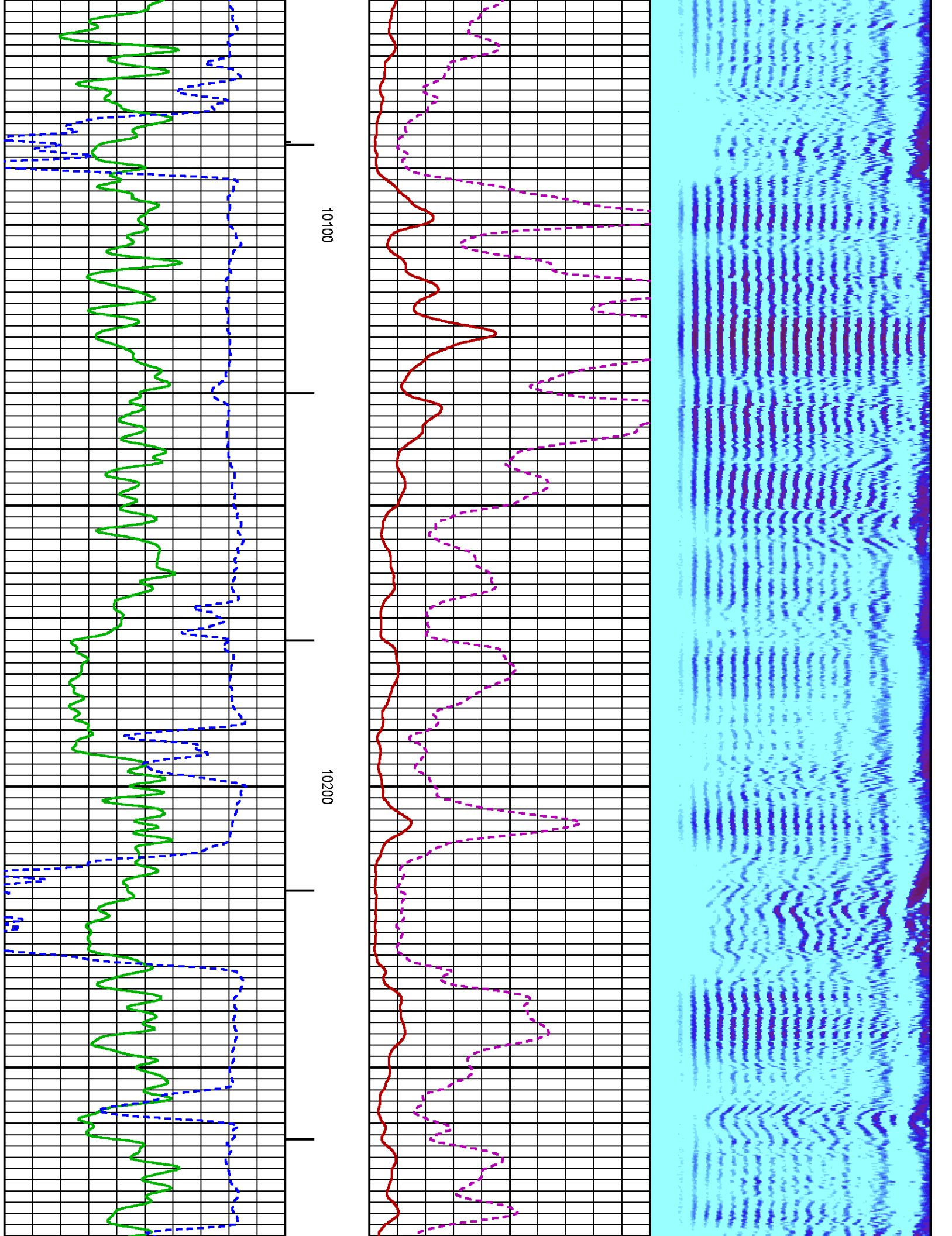


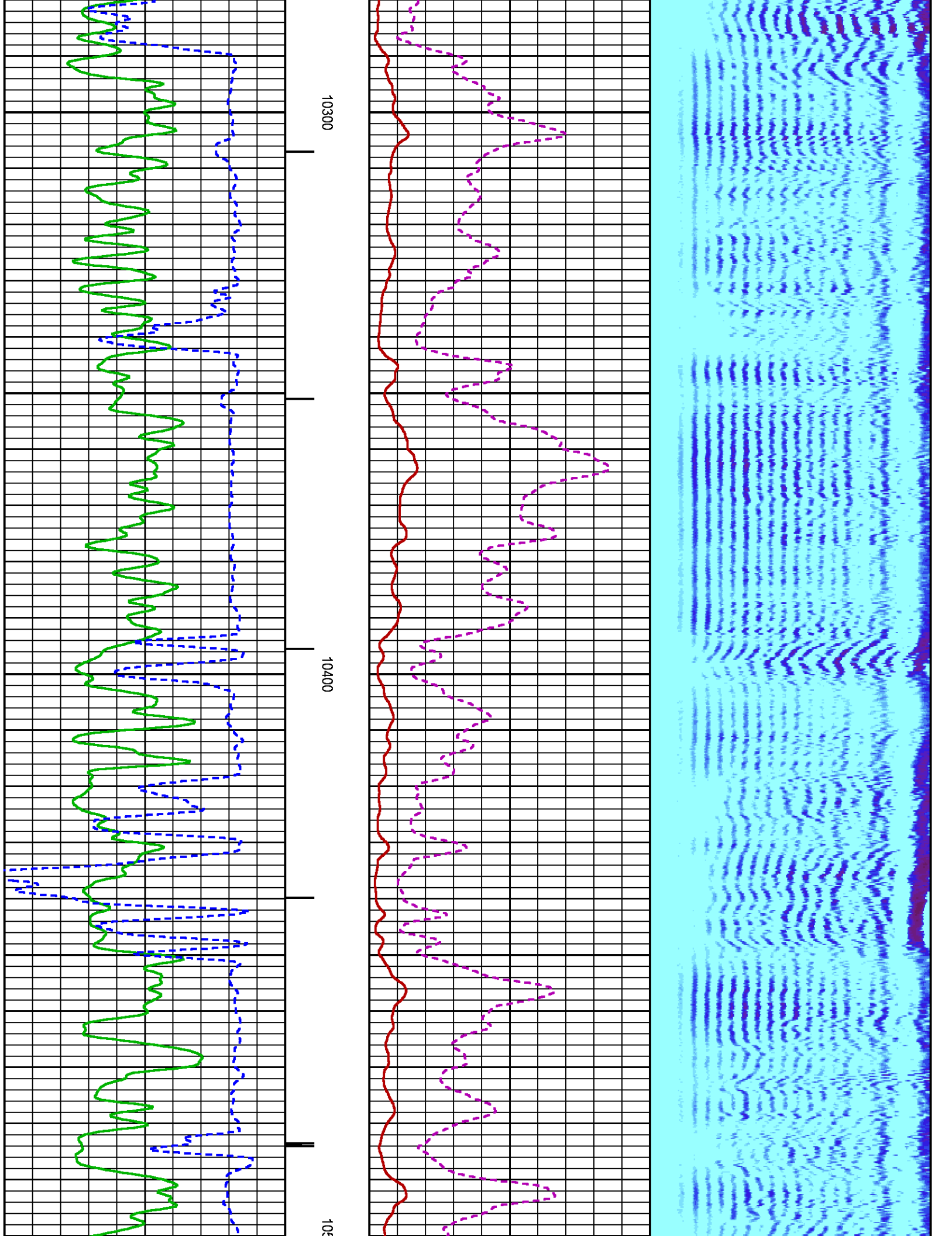


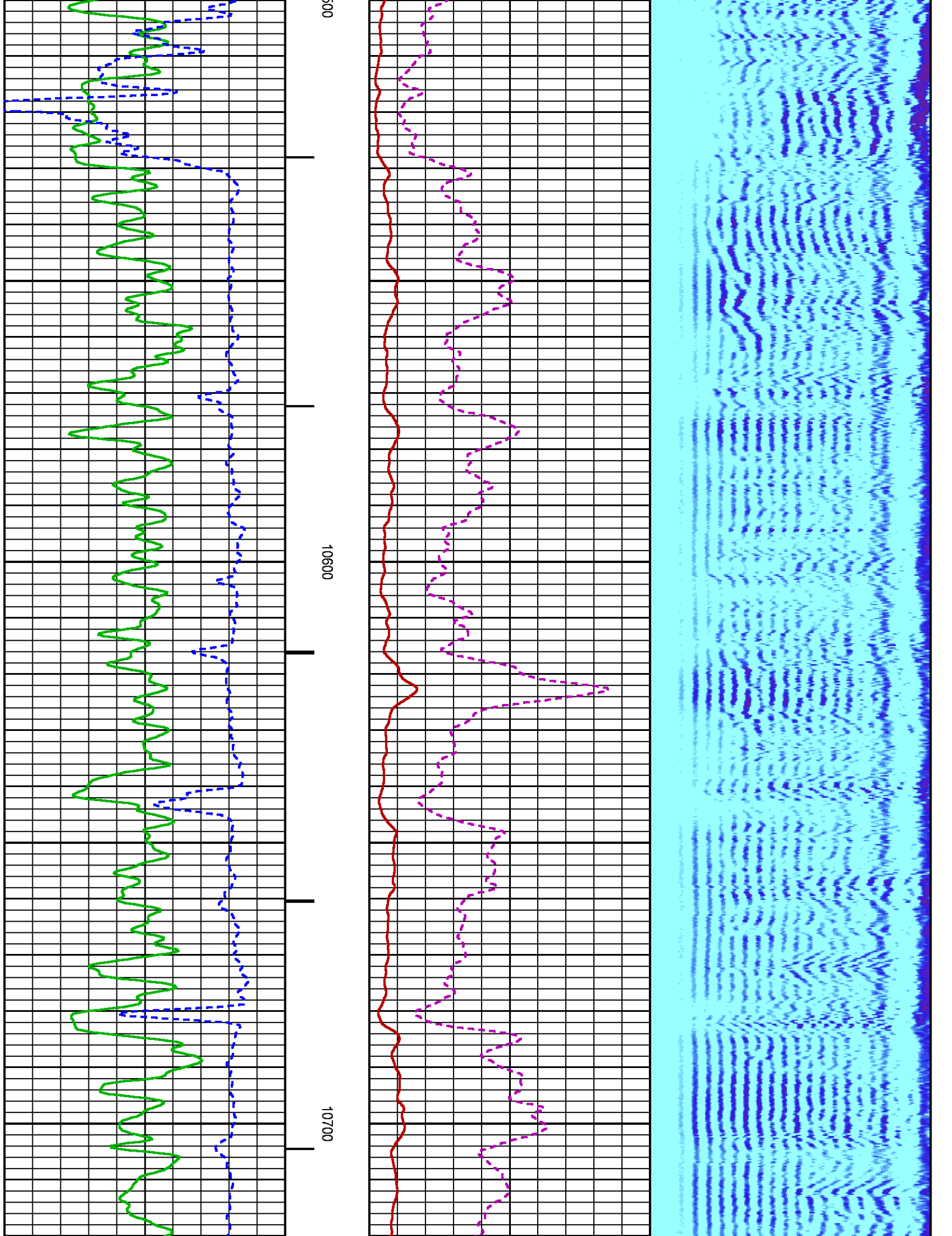


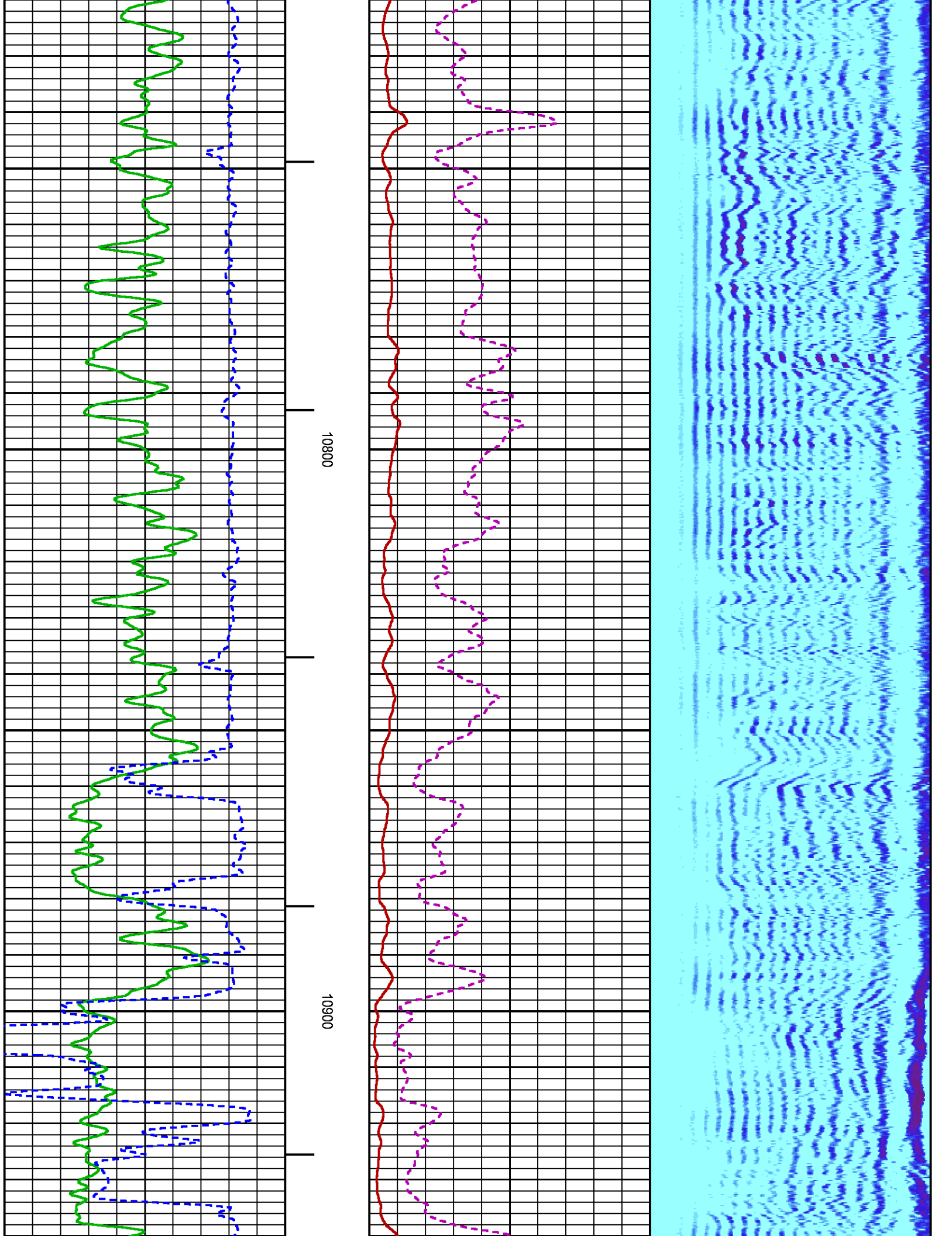


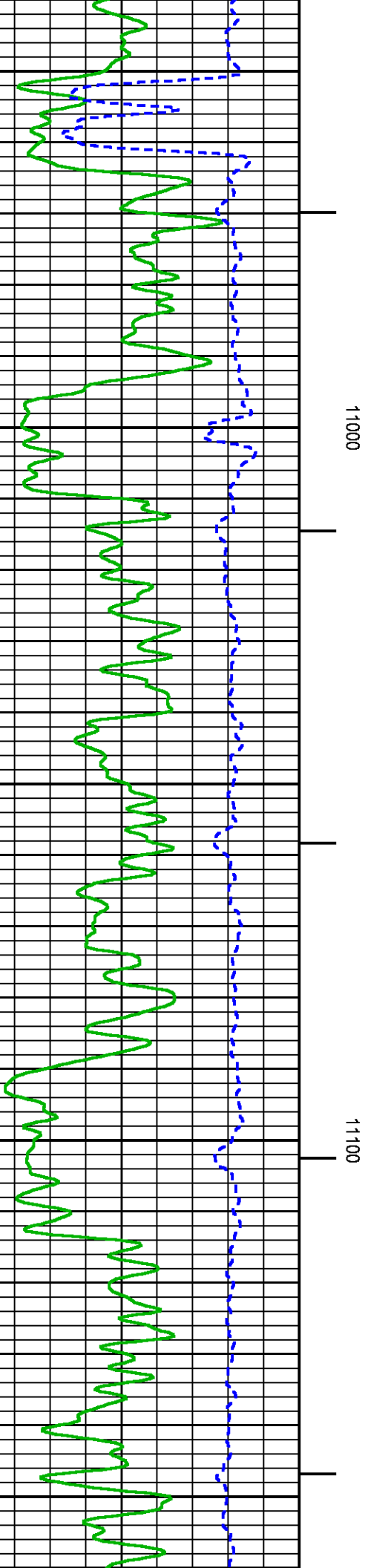
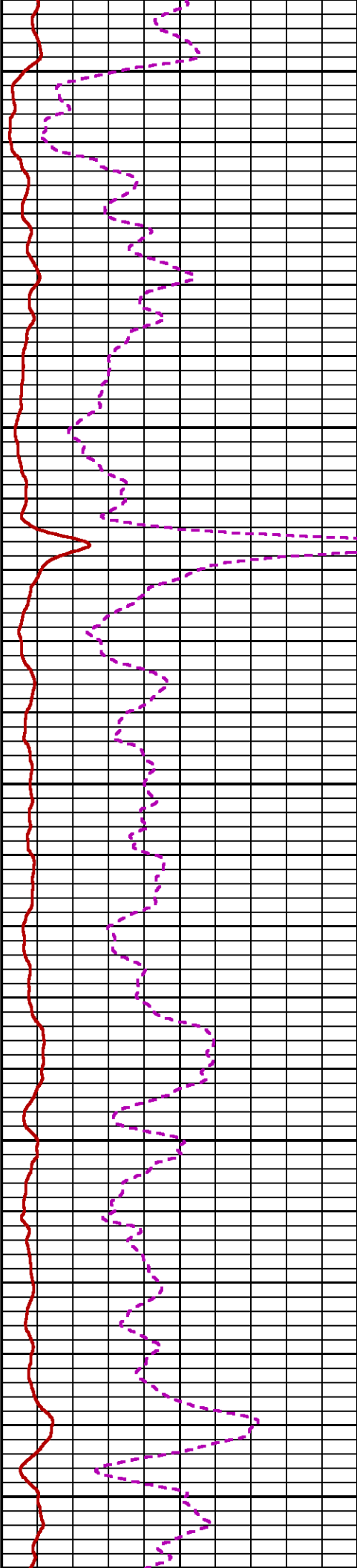
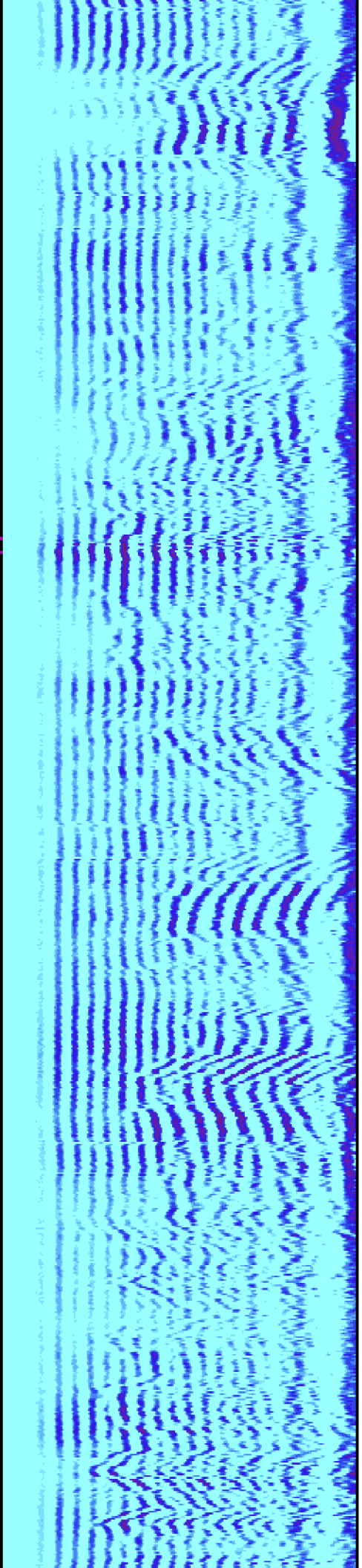


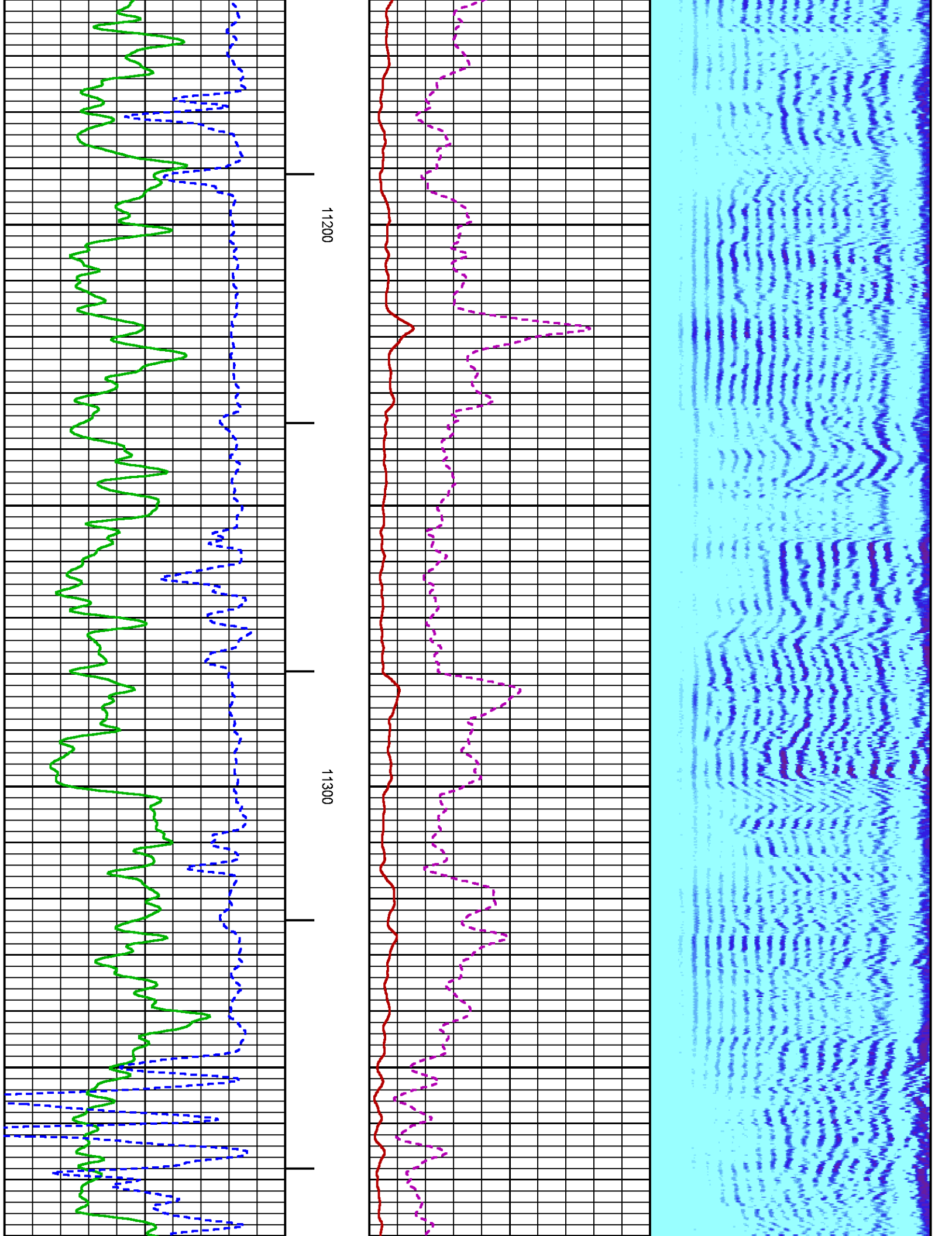


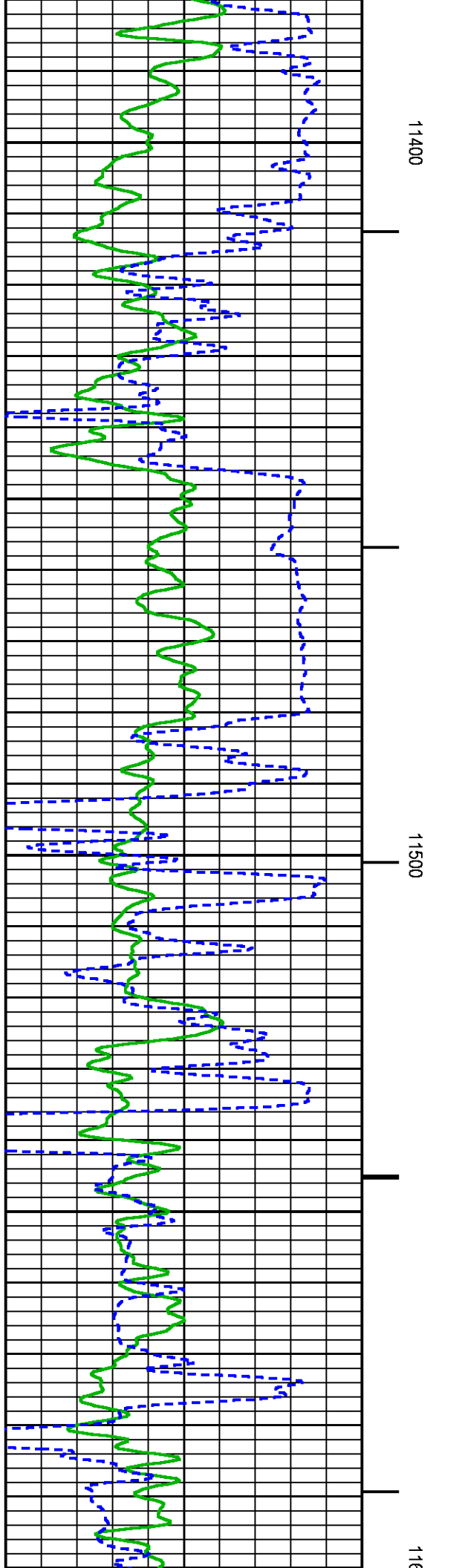
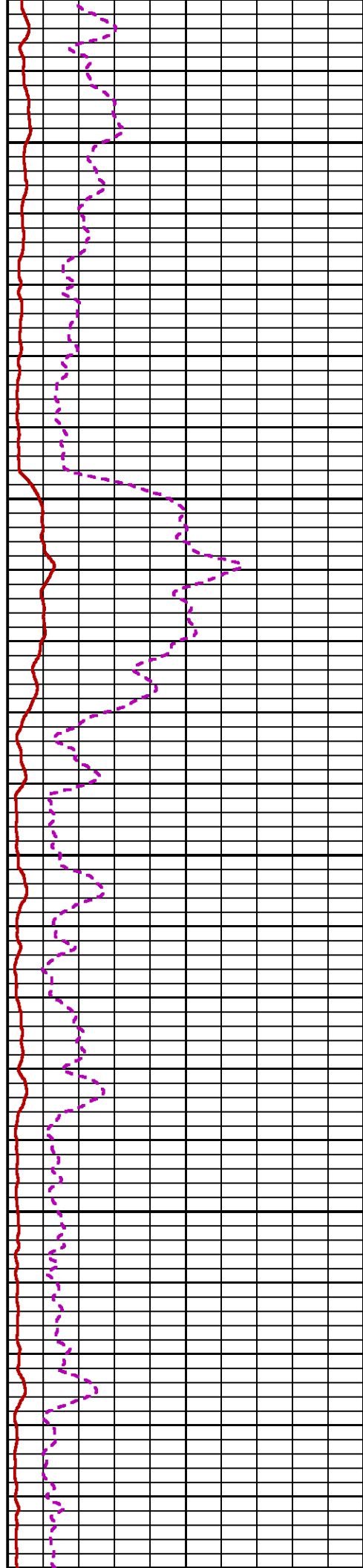
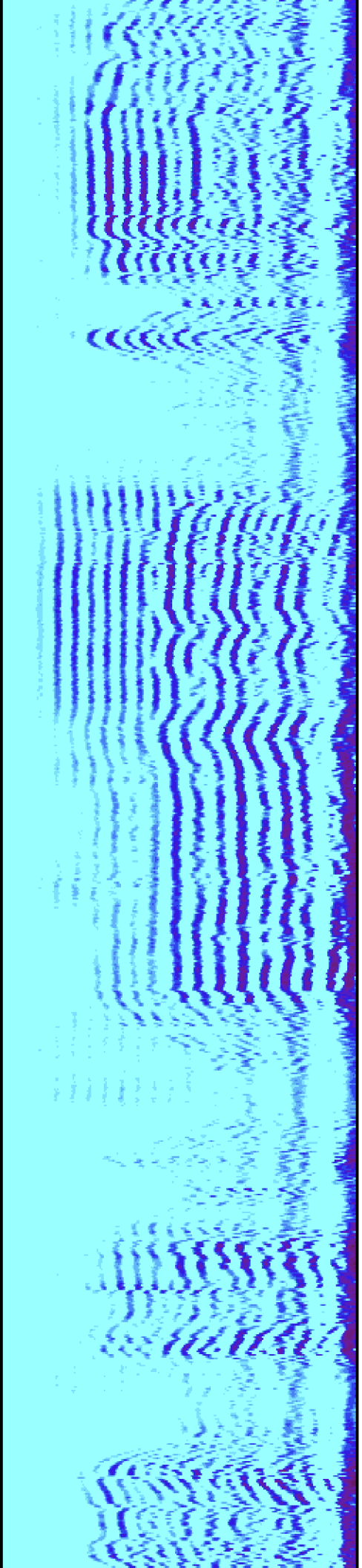


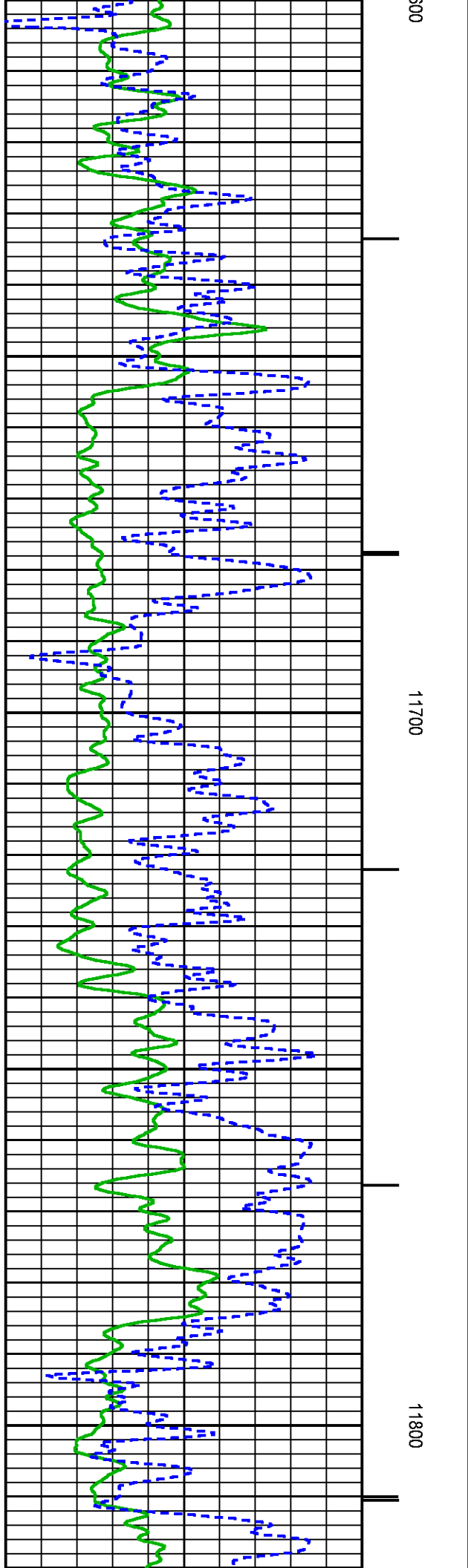
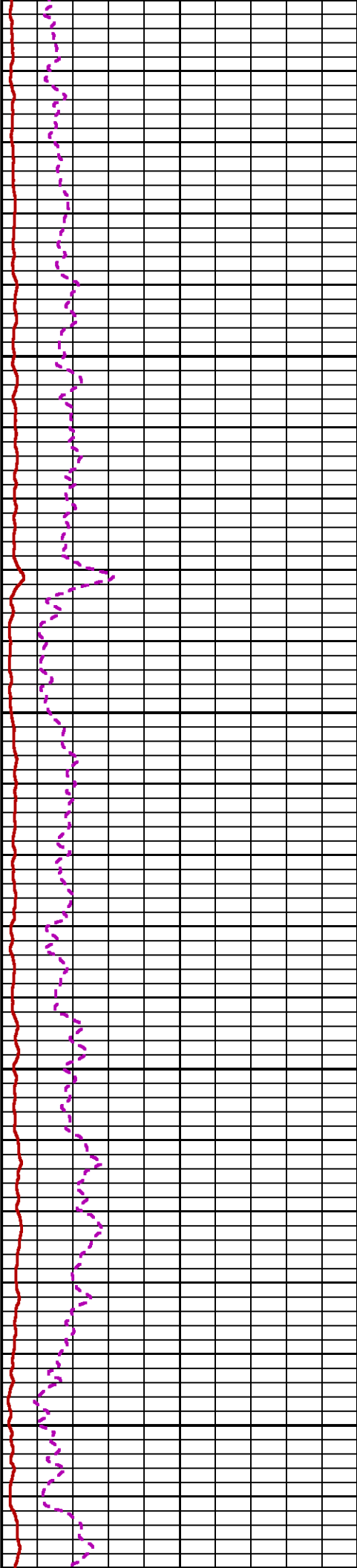
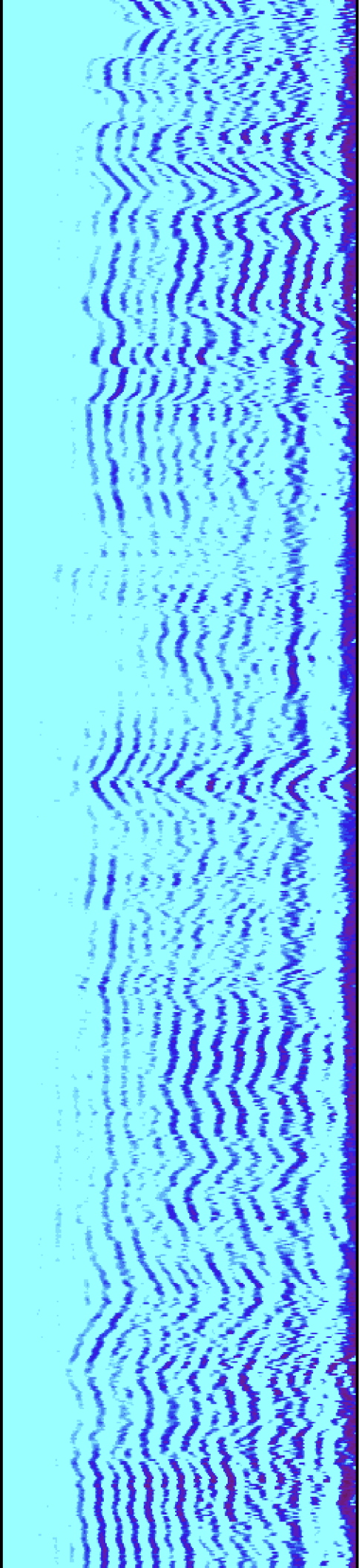


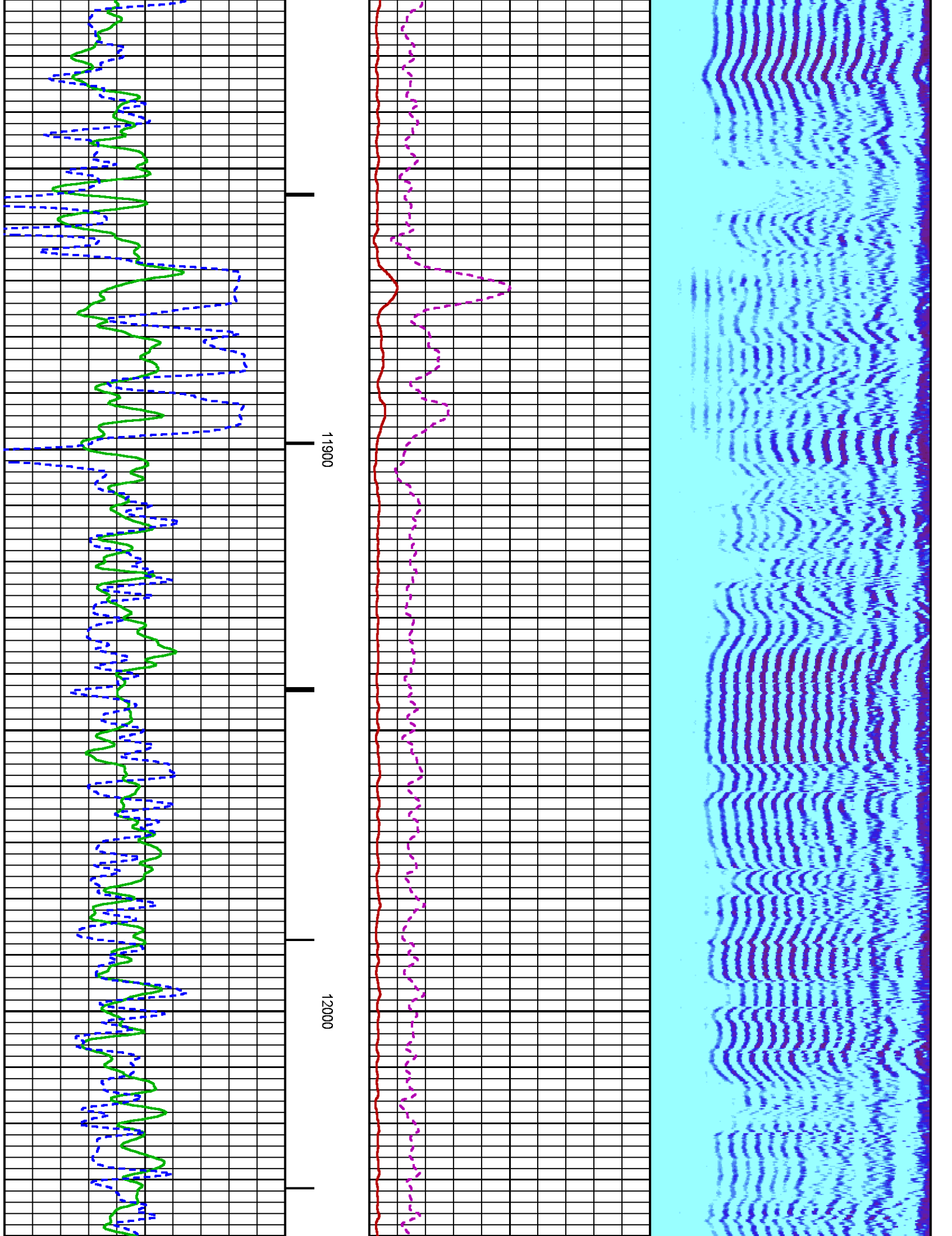


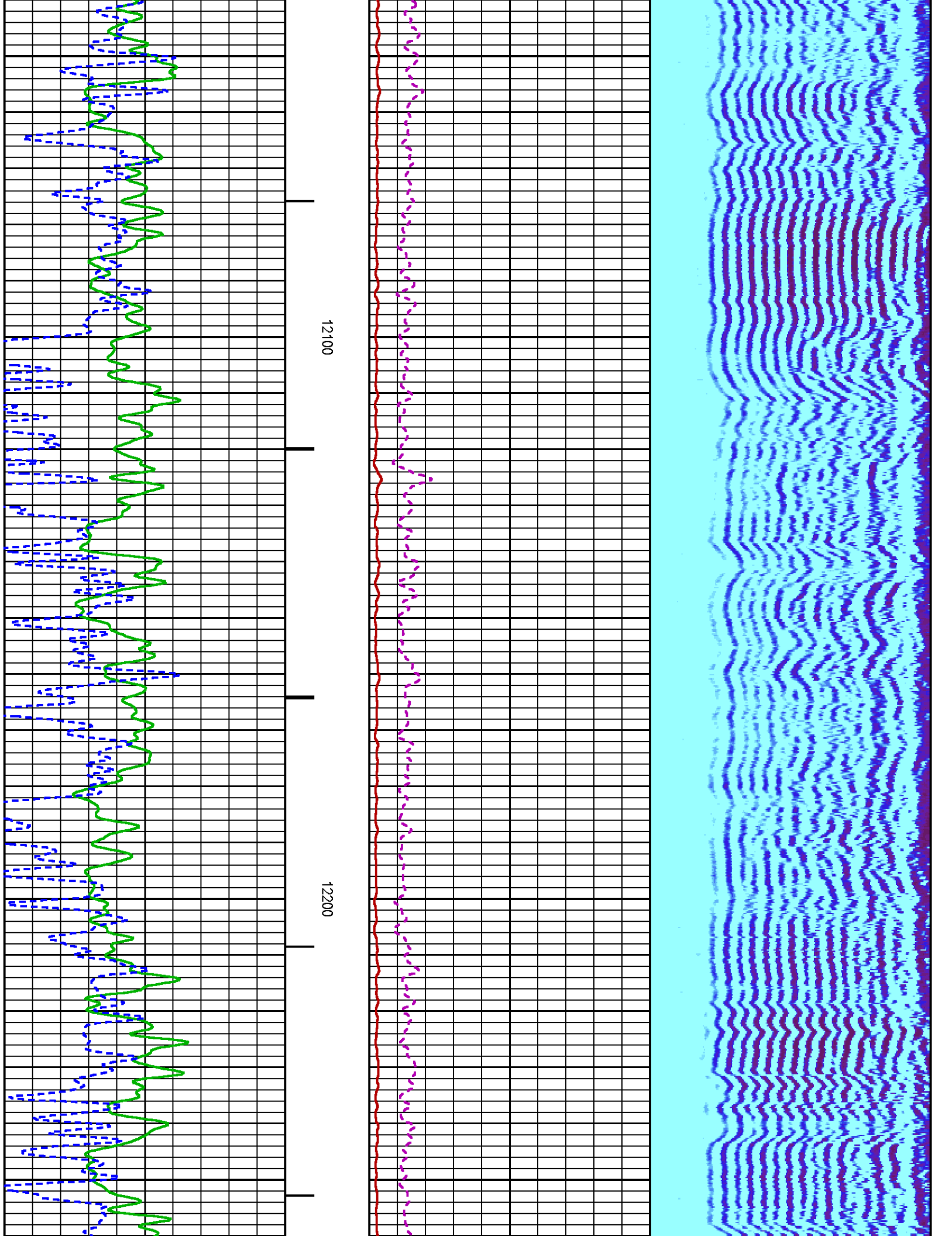


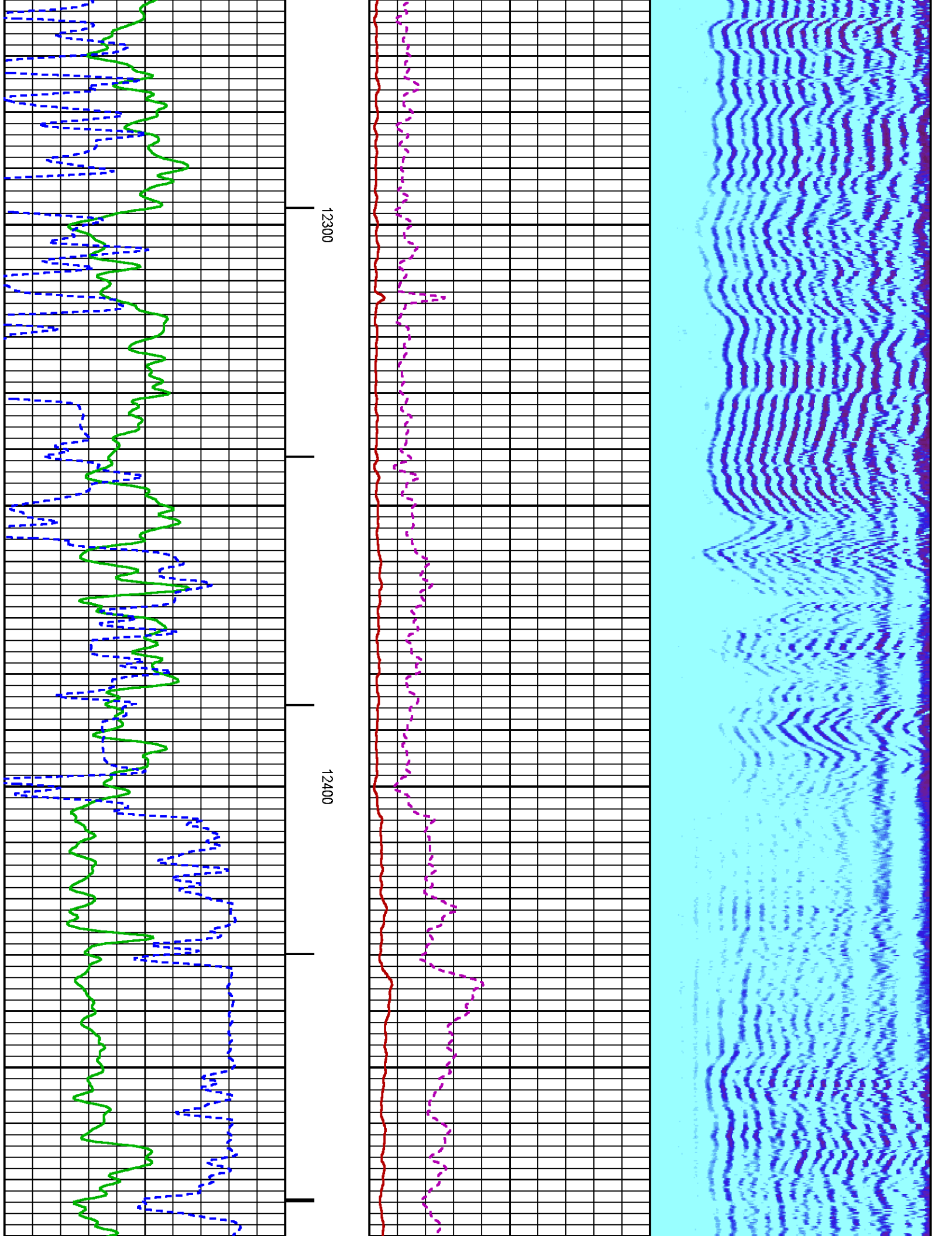


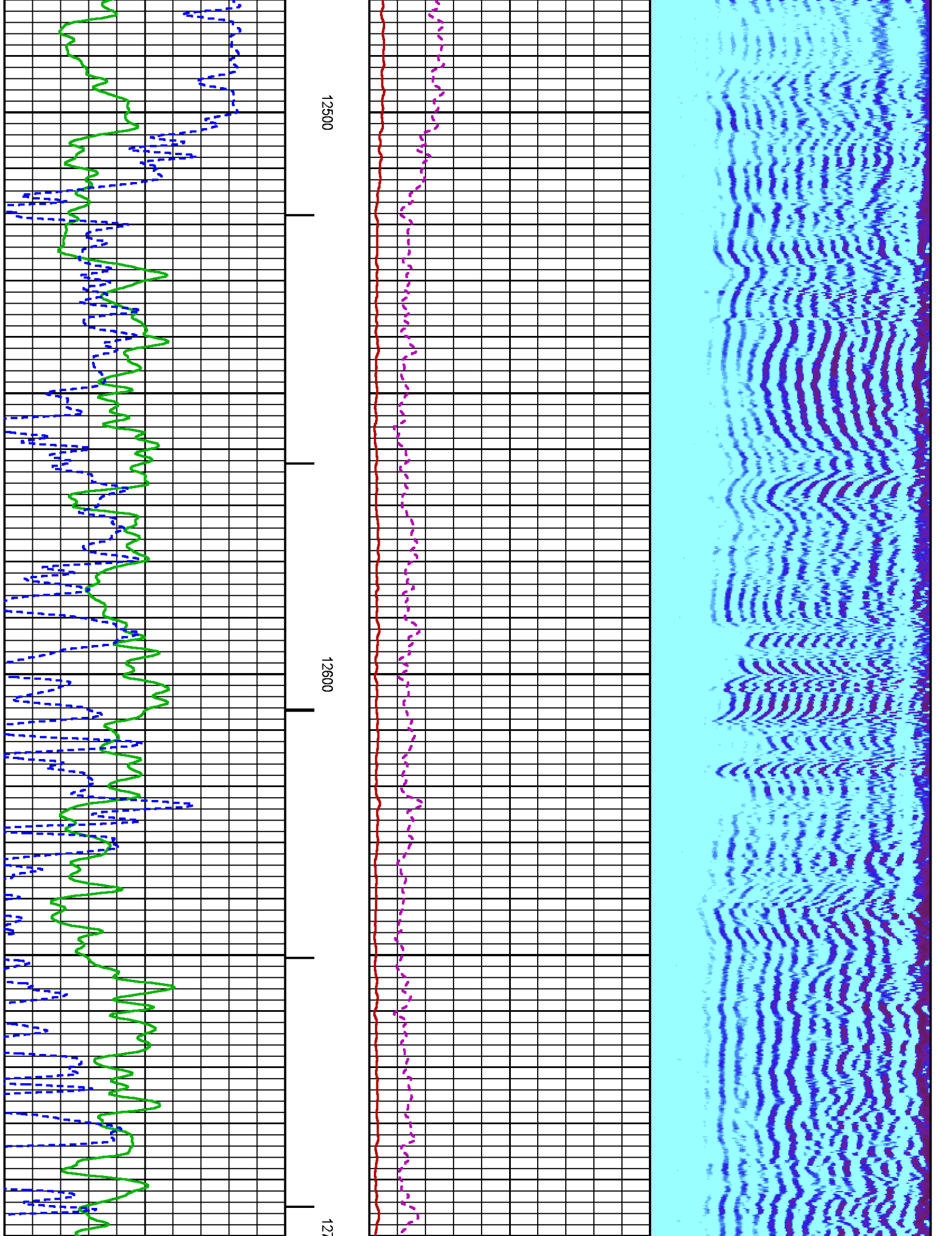


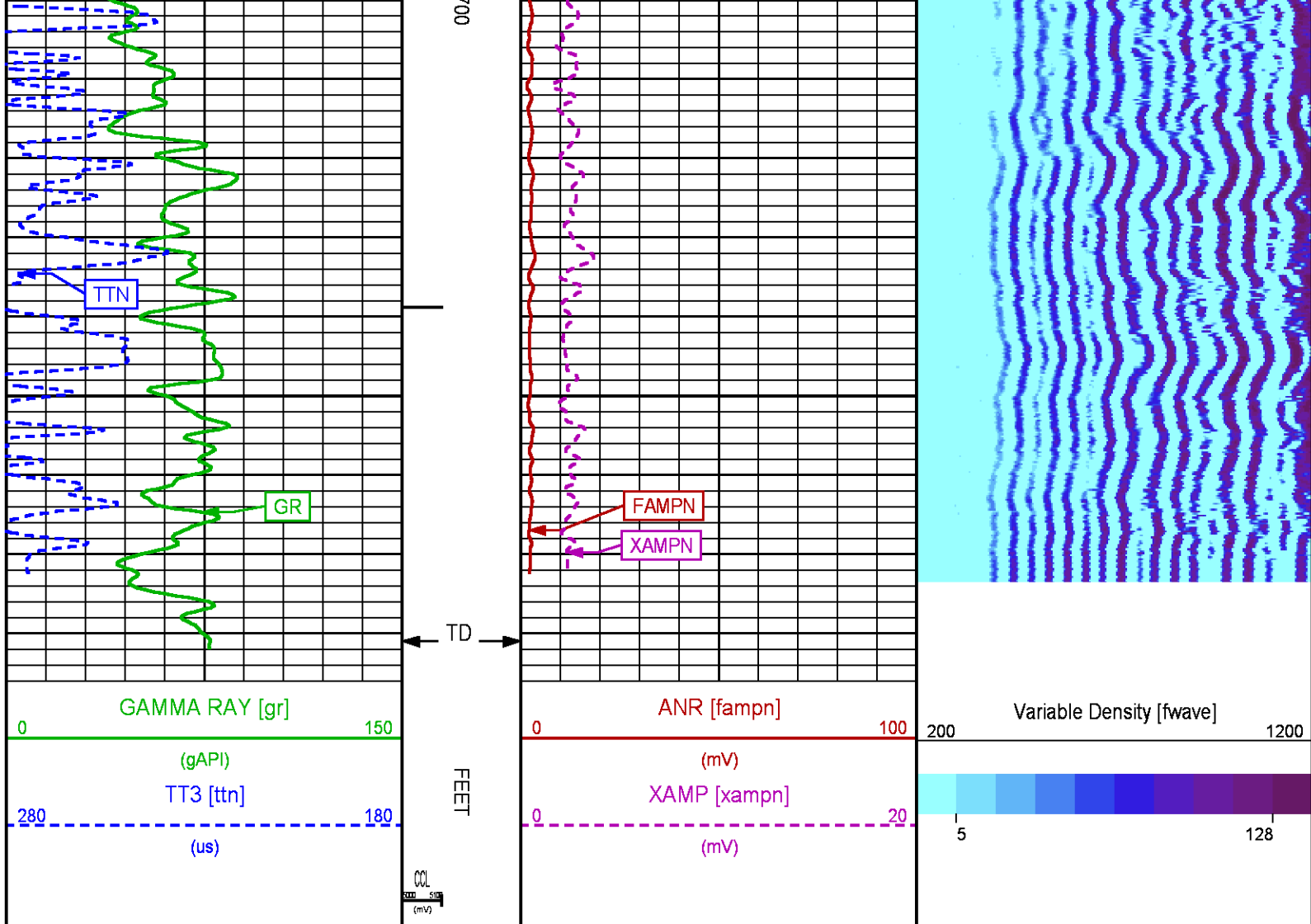












SECONDARY PRESENTATION 0 PSI

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: Sun Dec 14 18:13:06 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\091657\012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 19.750 ft BOTTOM DEPTH: 12783.828 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	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	174	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 (str6*)	-70	us	"	"
	TOOL DELAY (str7*)	-70	us	"	"
	TOOL DELAY (str8*)	-70	us	"	"
BASELINE NOISE (NEAR)	TOOL DELAY (strn*)	-70	us	"	"
	NOISE WINDOW START	136	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 14 10:30:36 2014	FIXED GATE AMPLITUDE T-R1			
F1:AR2	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE T-R2			
F1:AR3	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE T-R3			
F1:AR4	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE T-R4			
F1:AR5	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE T-R5			
F1:AR6	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE T-R6			
F1:AR7	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE T-R7			
F1:AR8	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE T-R8			
F1:CCL	Dec 14 10:30:36 2014	CASING COLLAR LOCATOR			
F1:FAMPN	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE NEAR RECEIVER			
F1:FWAVE	Dec 14 10:30:36 2014	FAR WAVE FORM			
F1:GR	Dec 14 10:30:36 2014	GAMMA RAY			
F1:PBMAP	Dec 14 10:30:36 2014	PERCENT BOND CEMENT MAP			
F1:TTN	Dec 14 10:30:36 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER			
F1:XAMPN	Dec 14 10:30:36 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE			
CURVE MEASURE POINT OFFSET					
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	11.25	AR5	11.25	CCL	5.75
				XAMPN	11.25

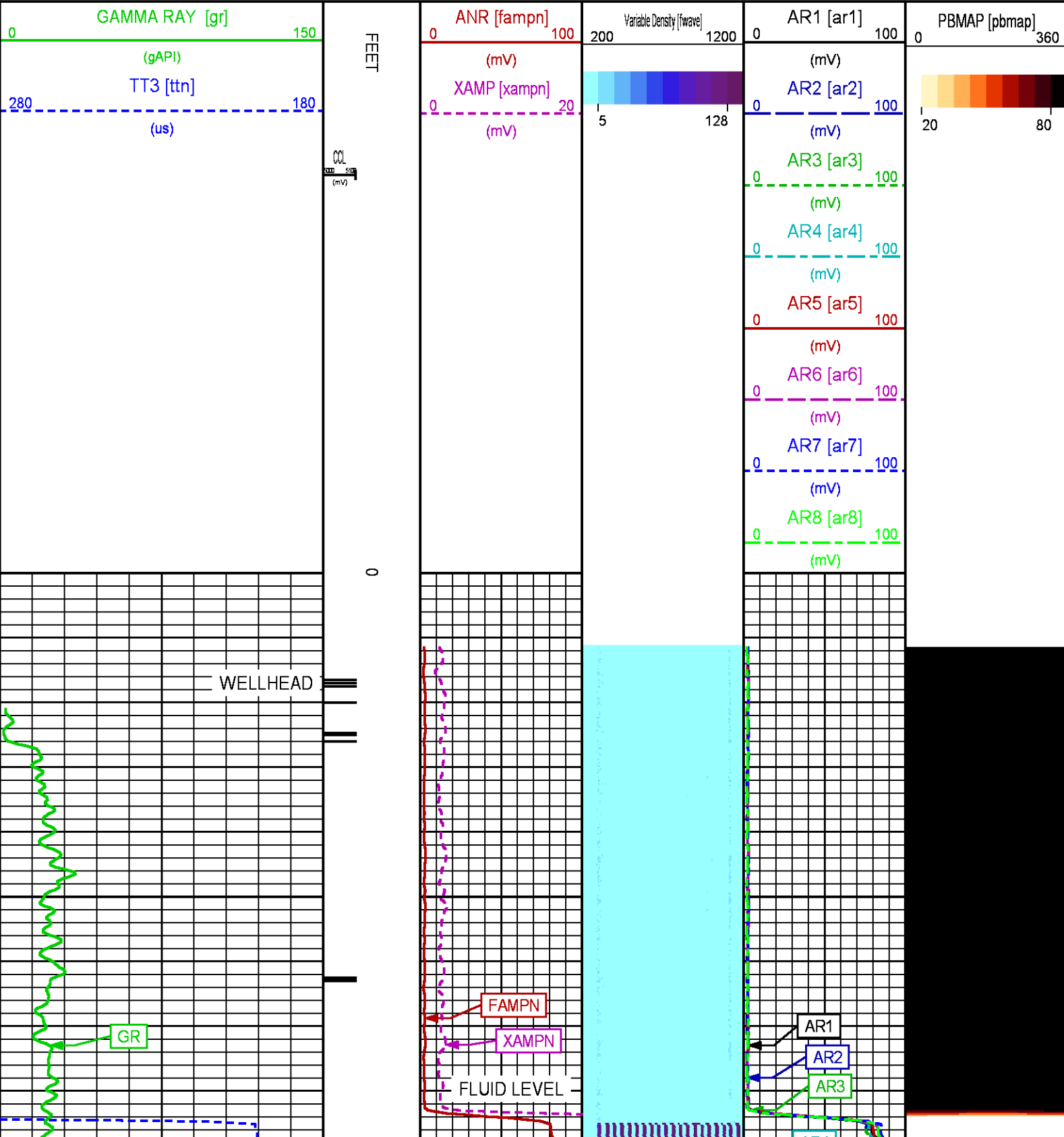
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AR2	11.25	AR6	11.25	FAMPN	11.25		
AR3	11.25	AR7	11.25	GR	1.75		
AR4	11.25	AR8	11.25	TTN	11.25		

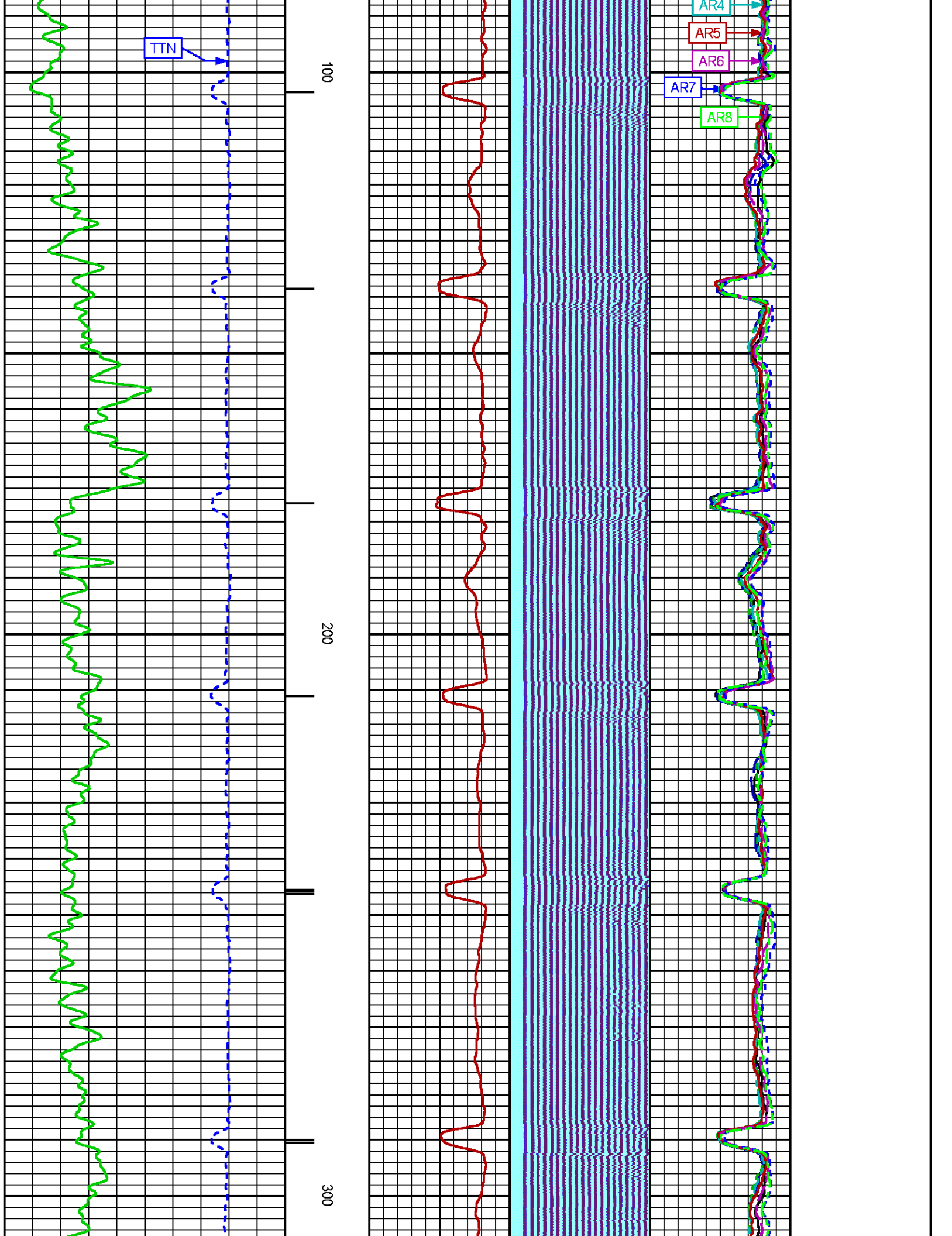
Presentation
Plot Interval

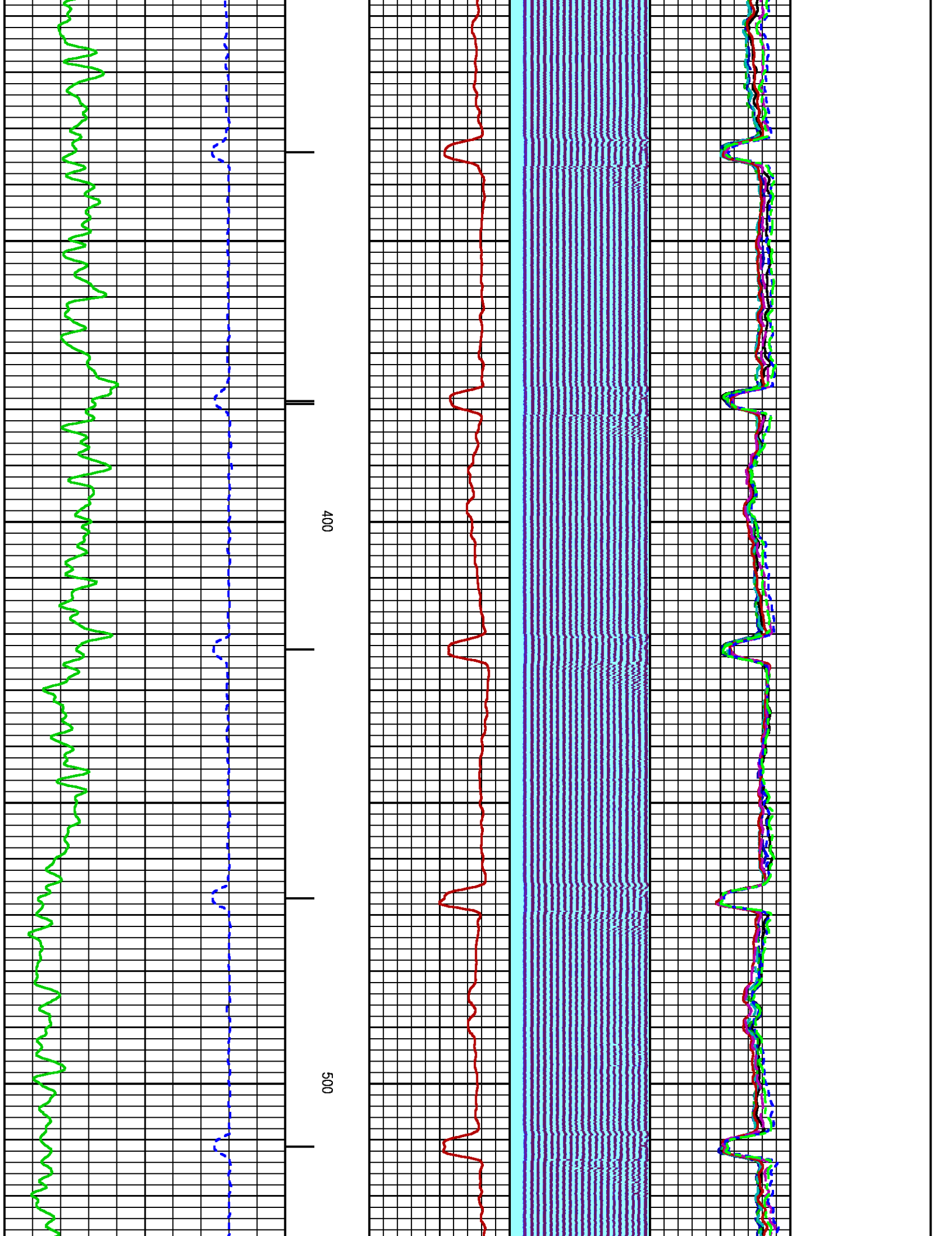
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: 0 - 12786 Feet

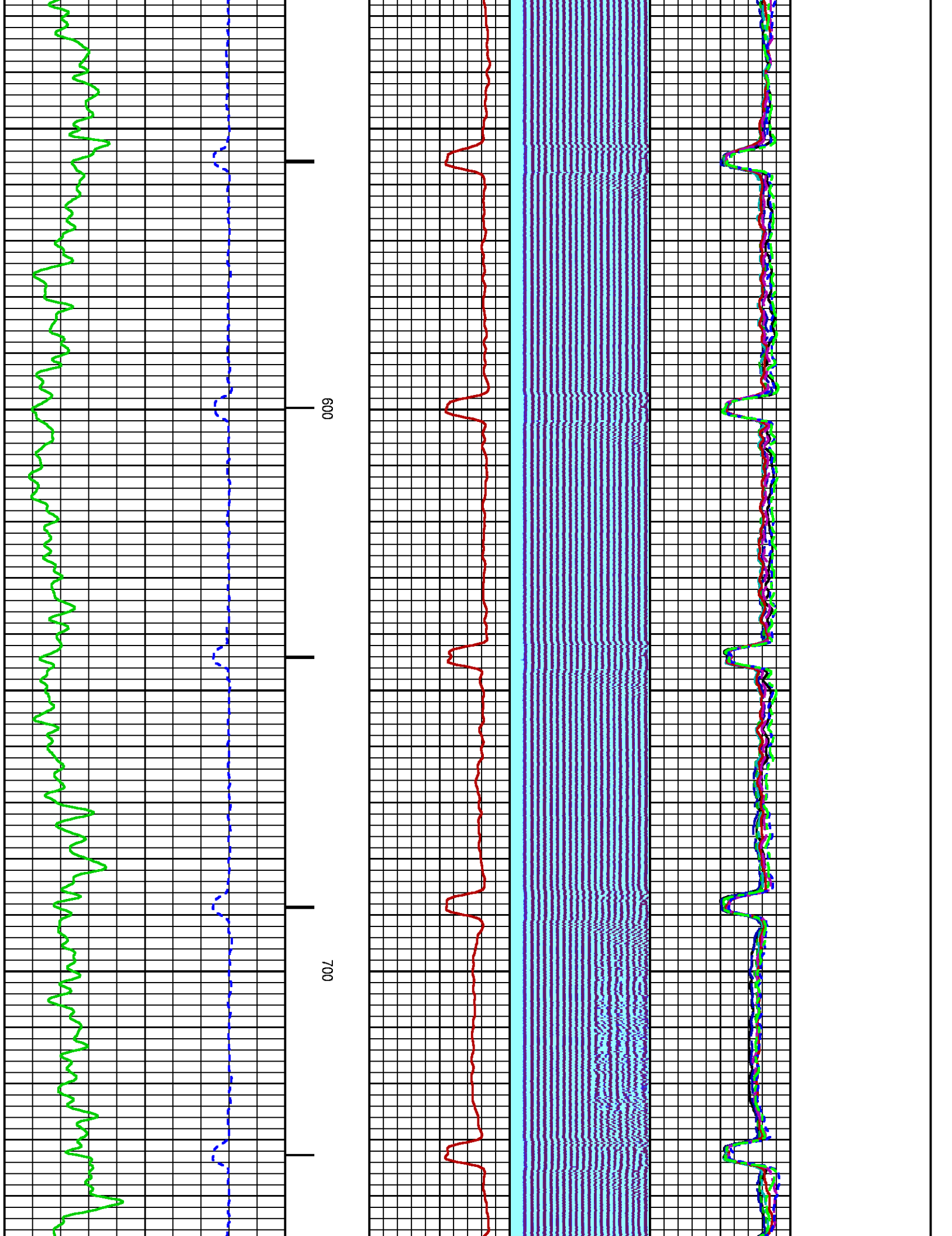
Data File 1
Created On
Company
Well
Field
File Interval
OCT

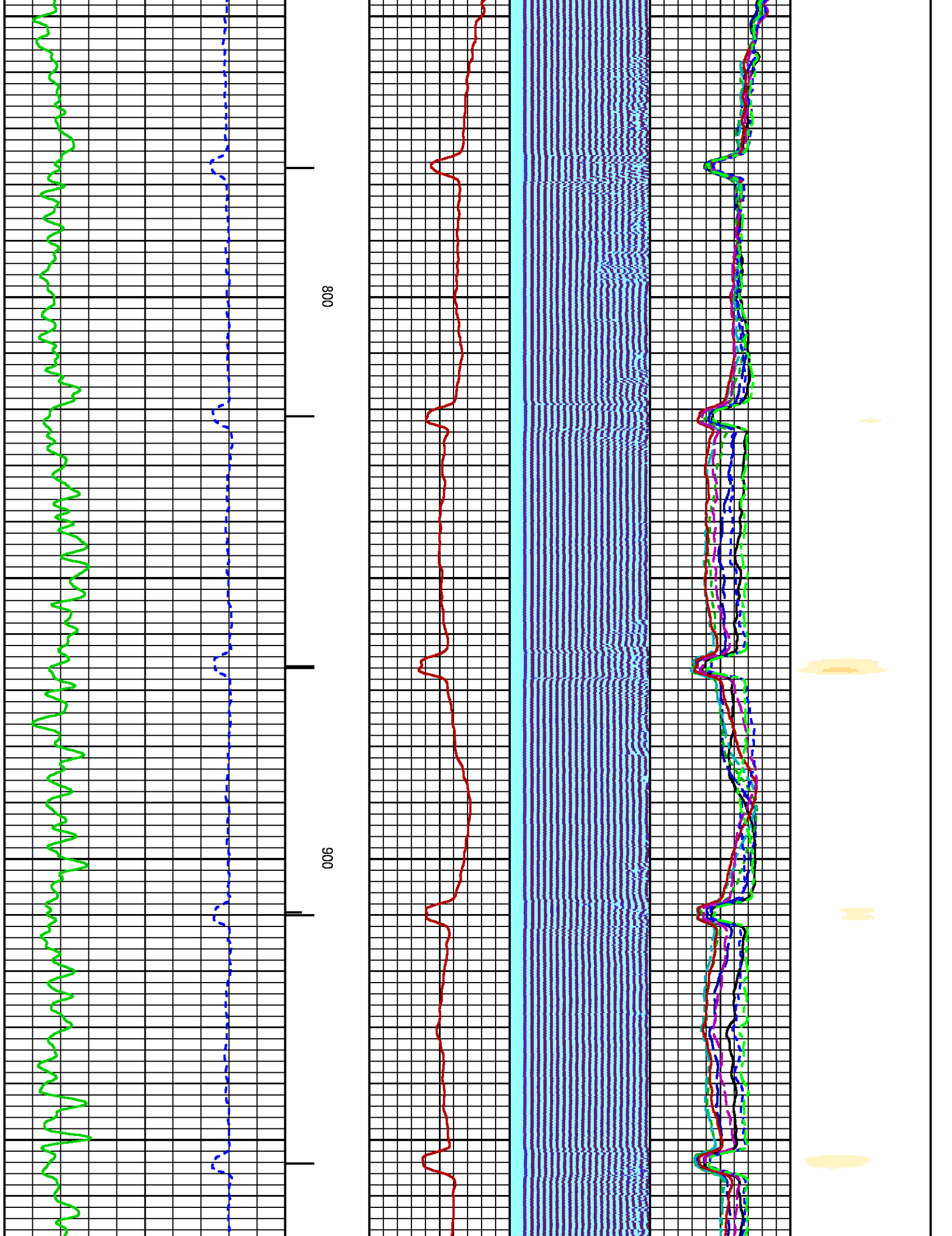
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: WPX ENERGY
: FEDERAL RGU 331-26-198
: RIO BLANCO
: 10.25 - 12784.8 Feet
: n012g

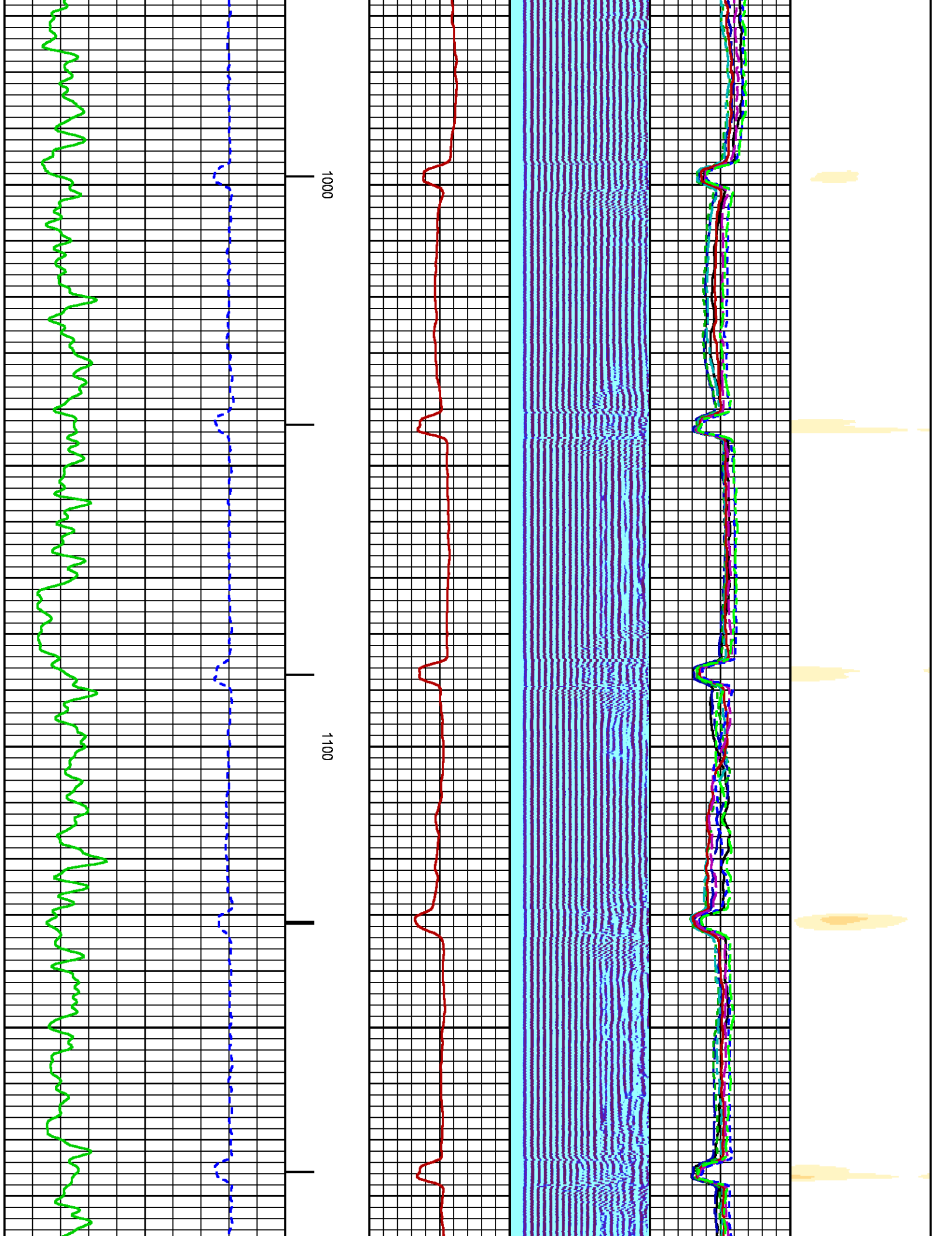


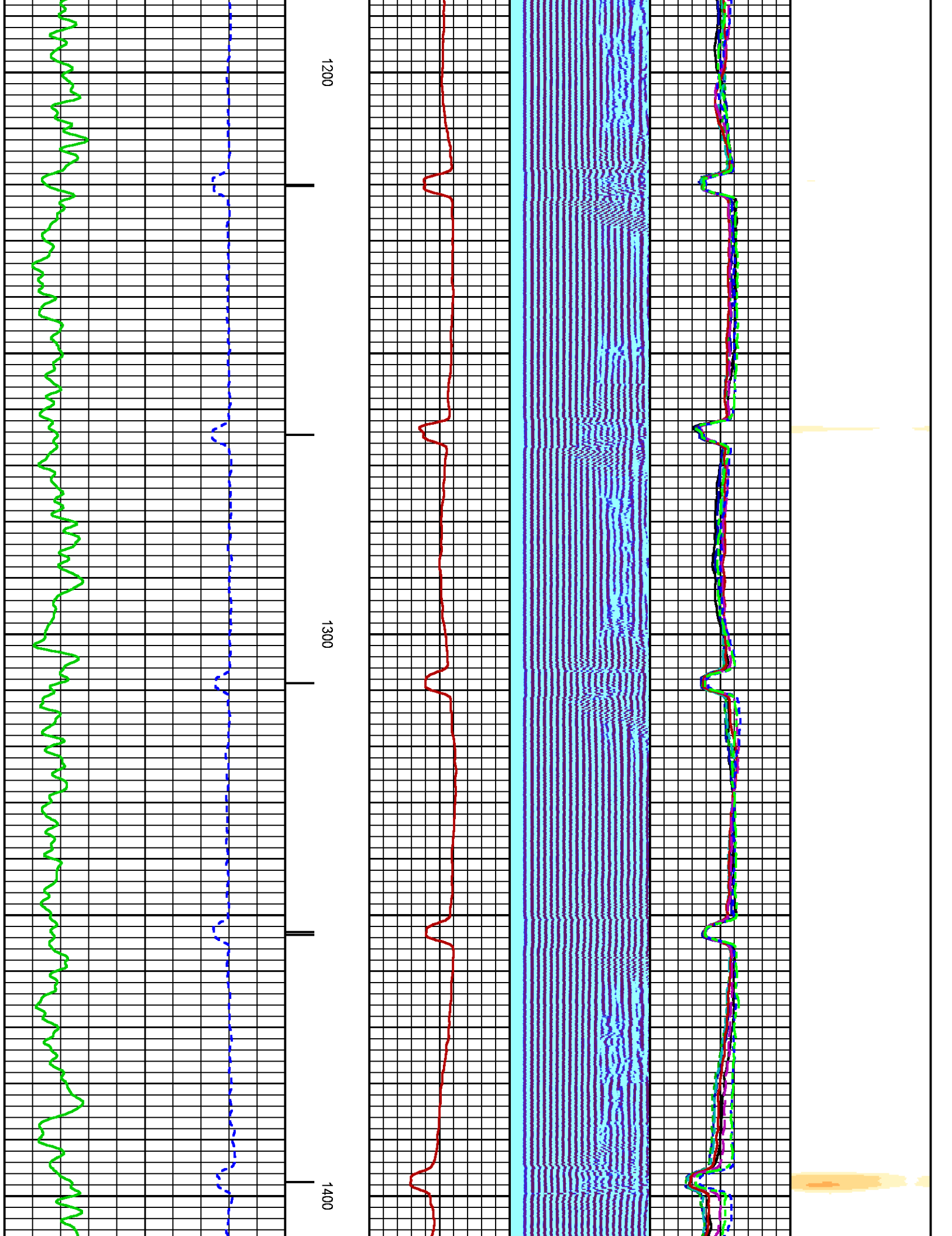


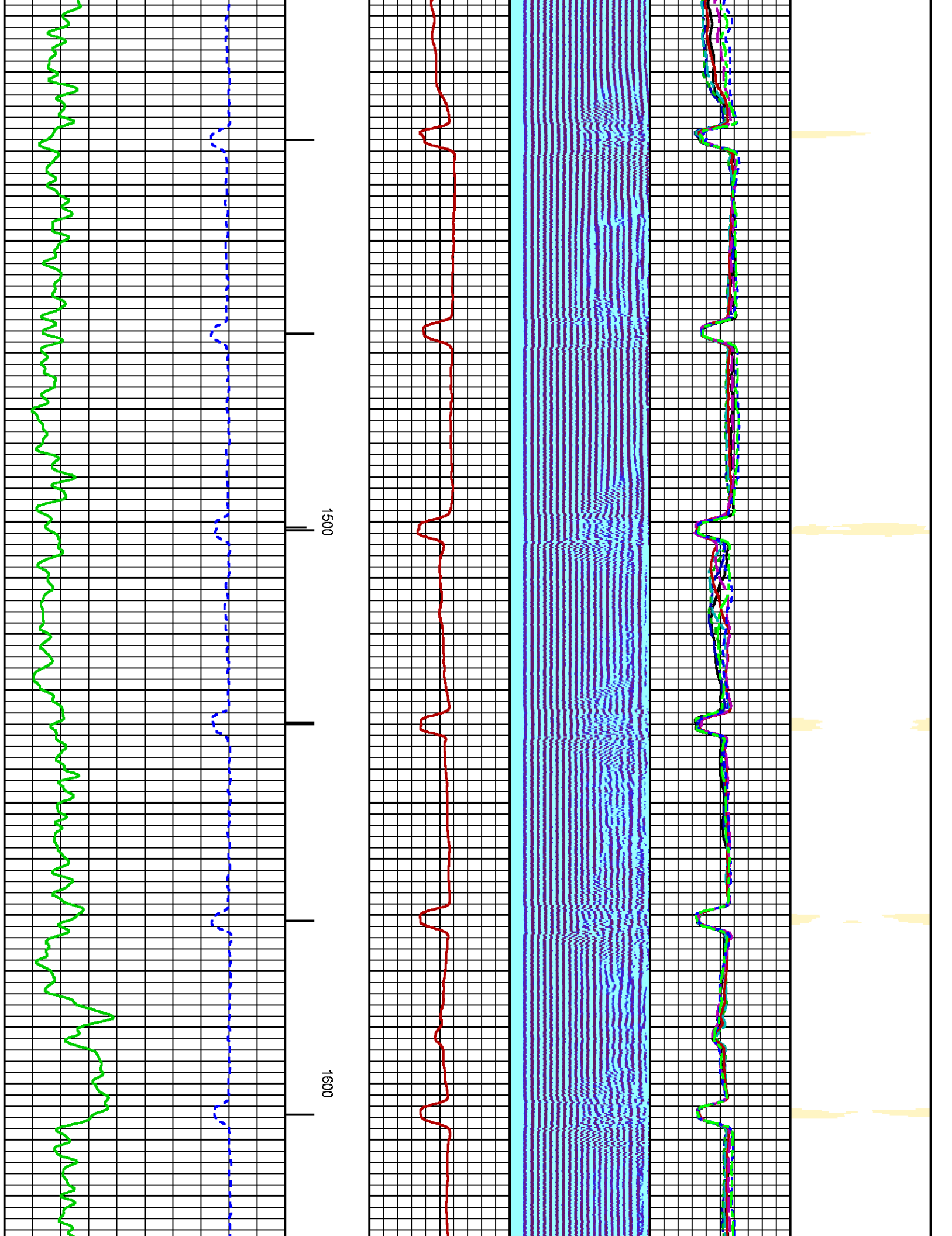


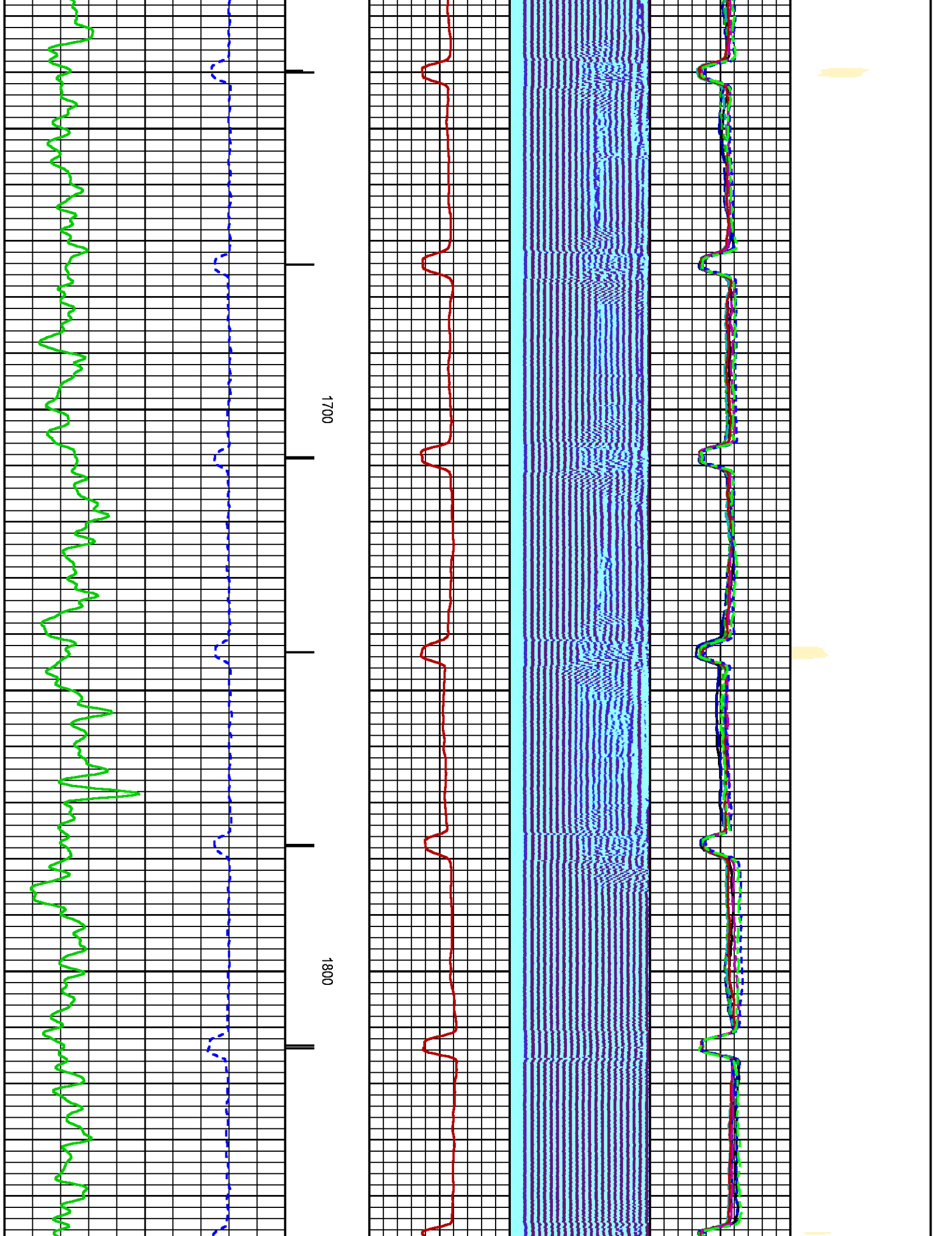


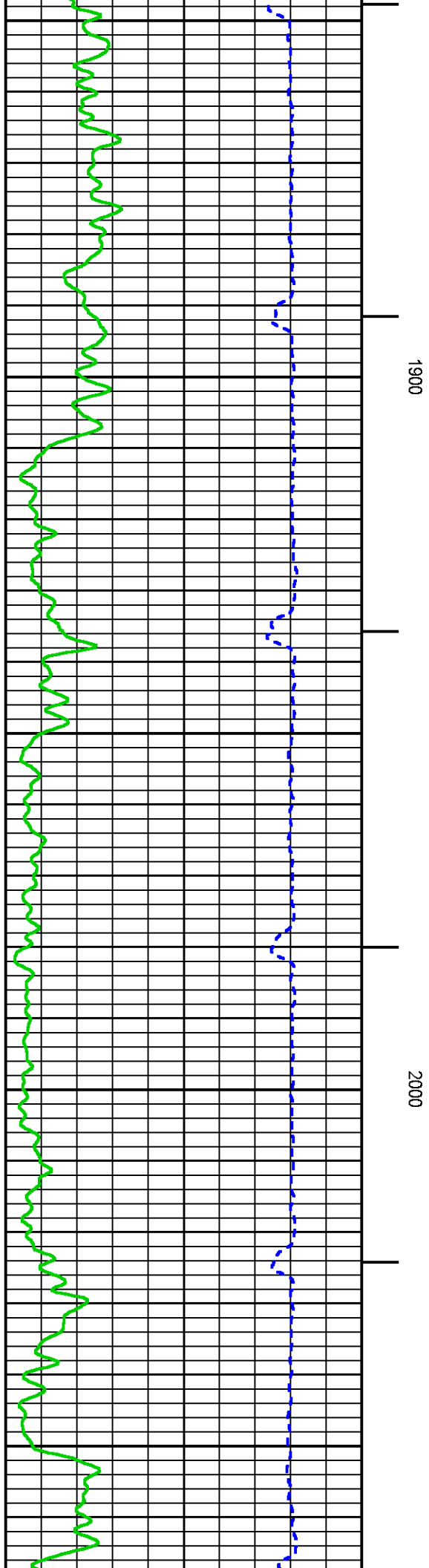
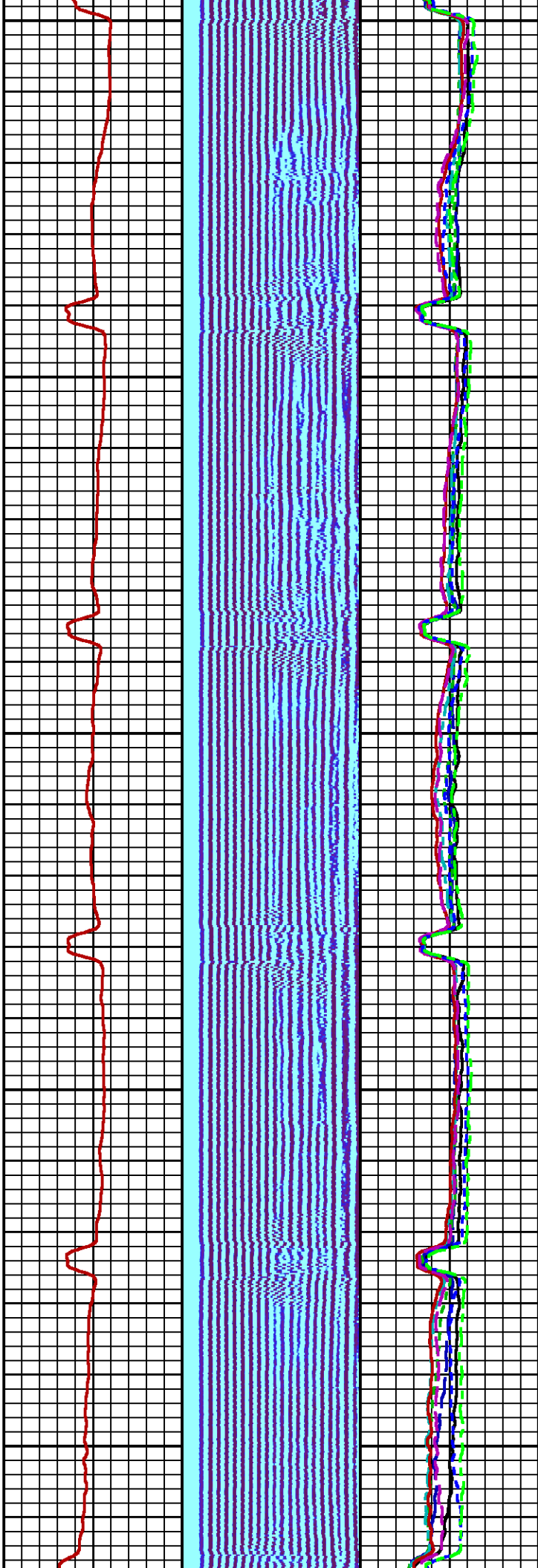


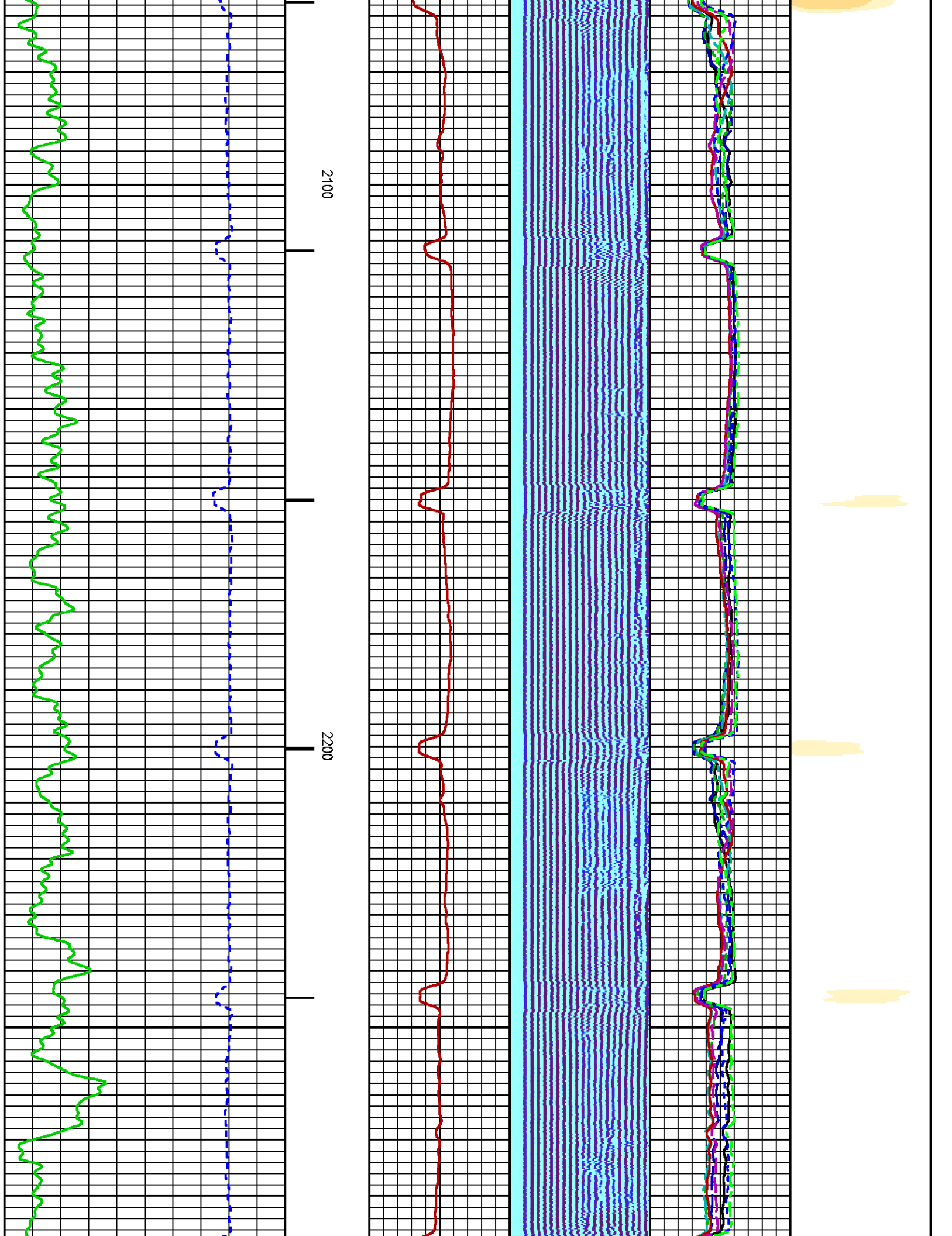


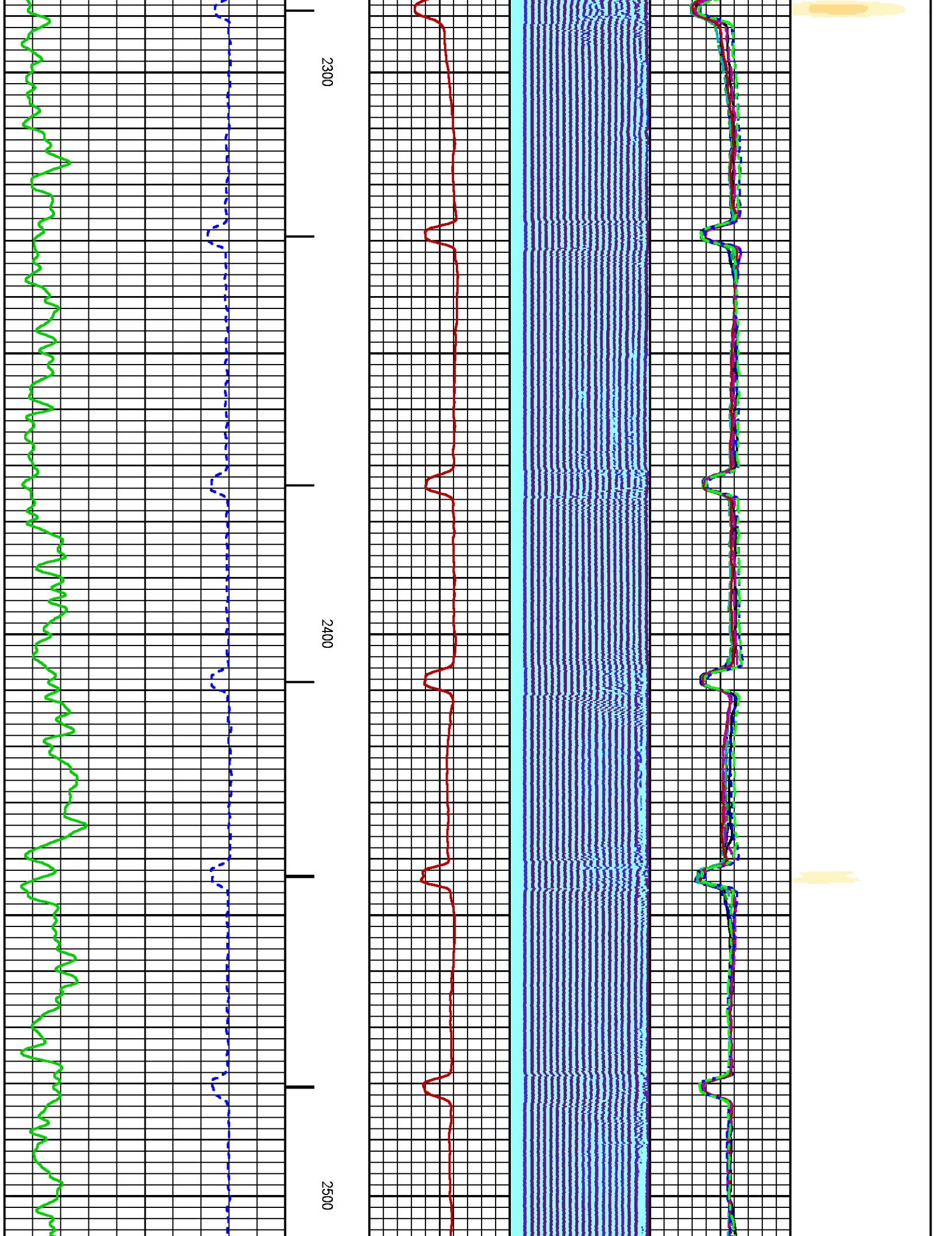


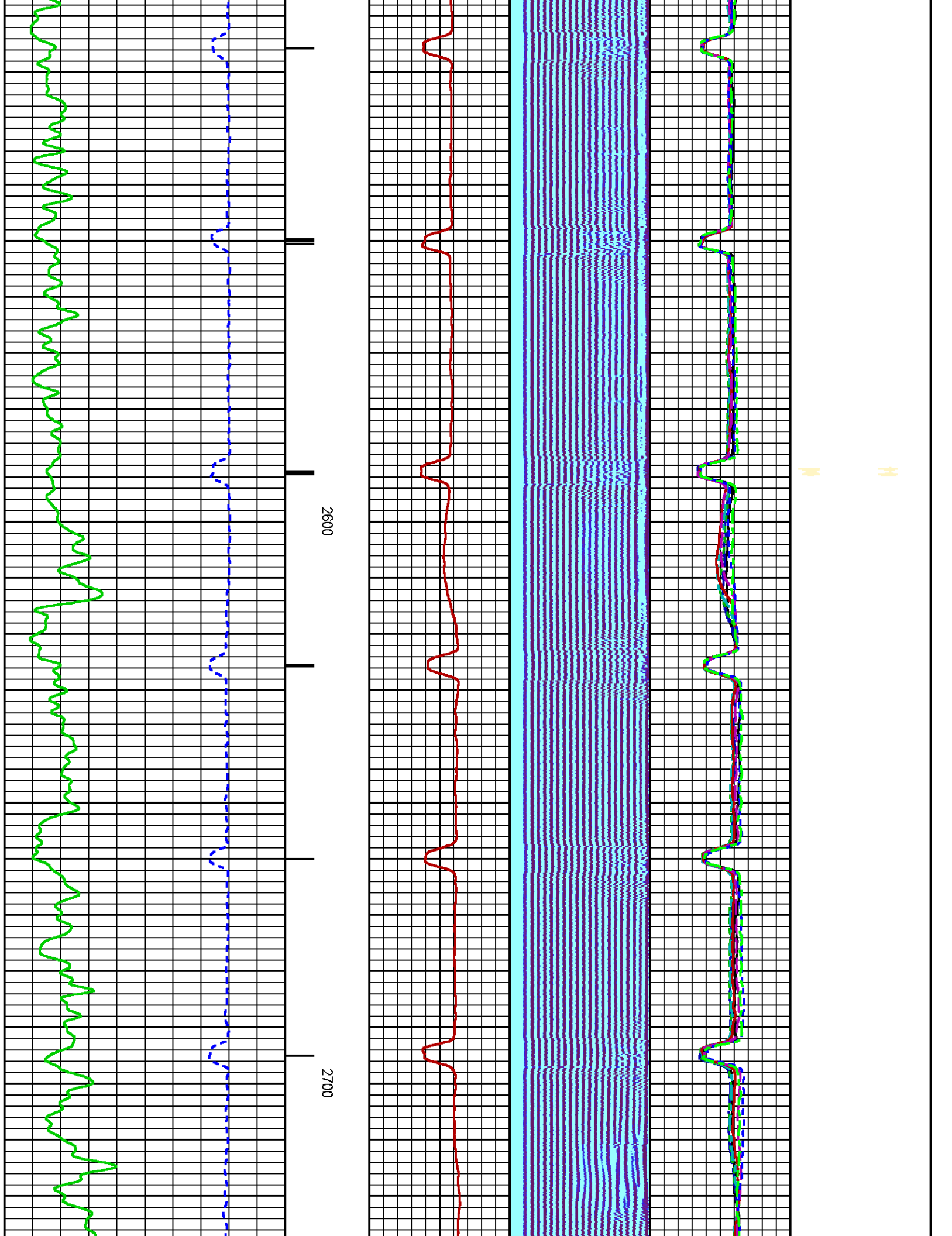


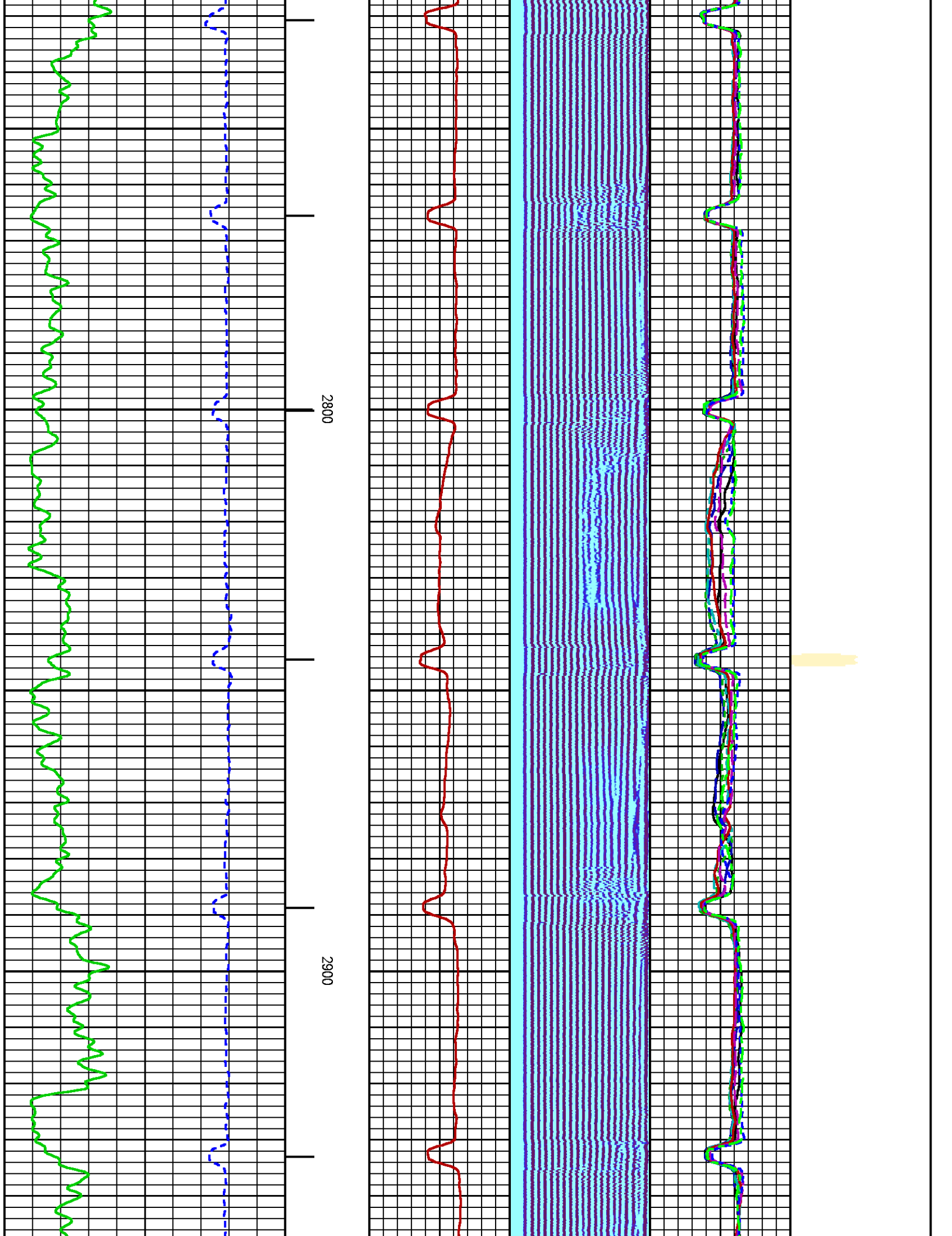


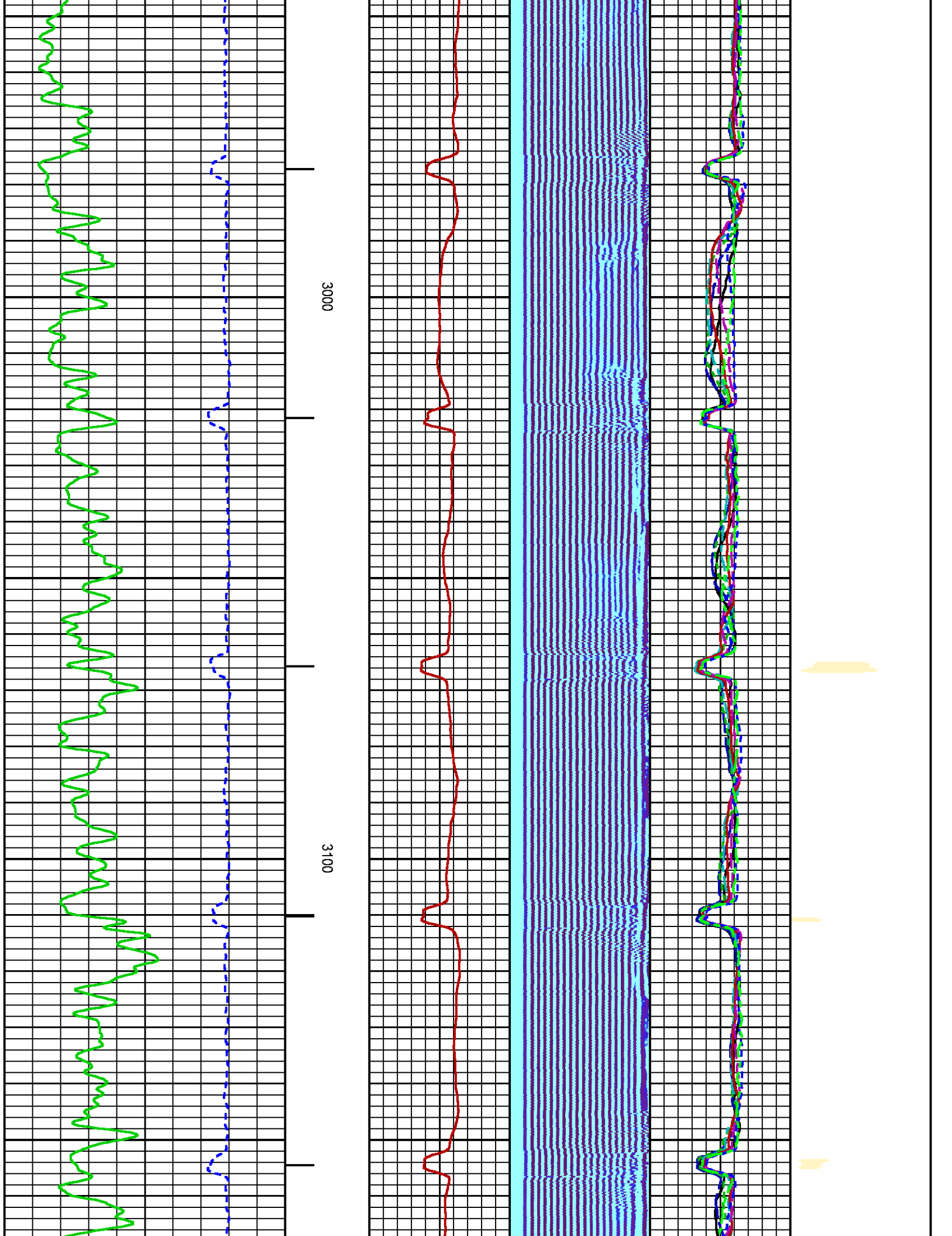


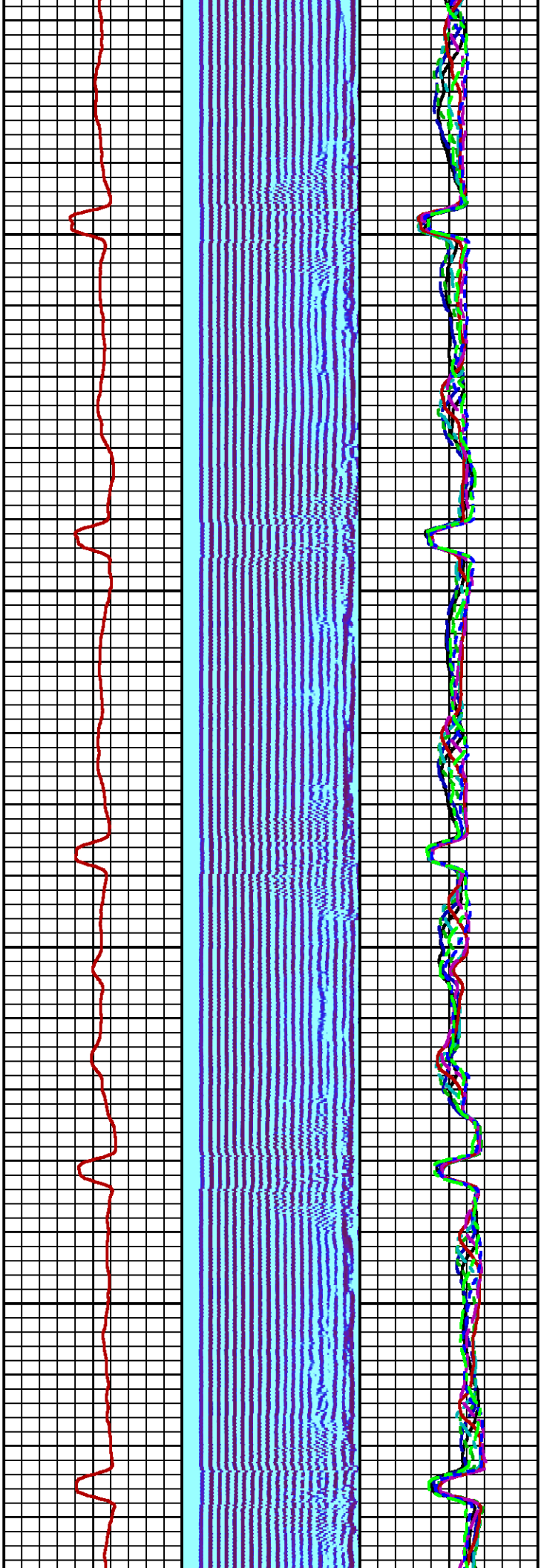






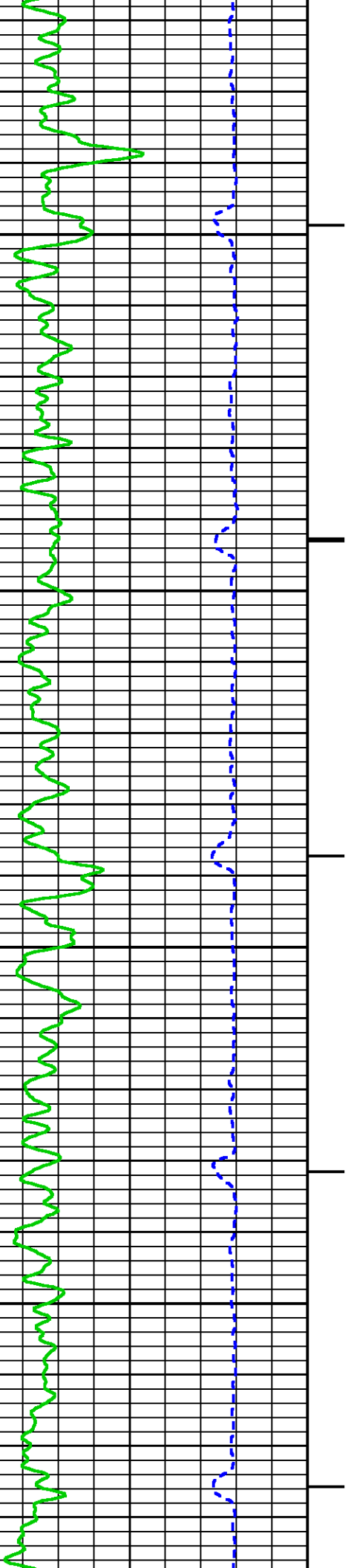


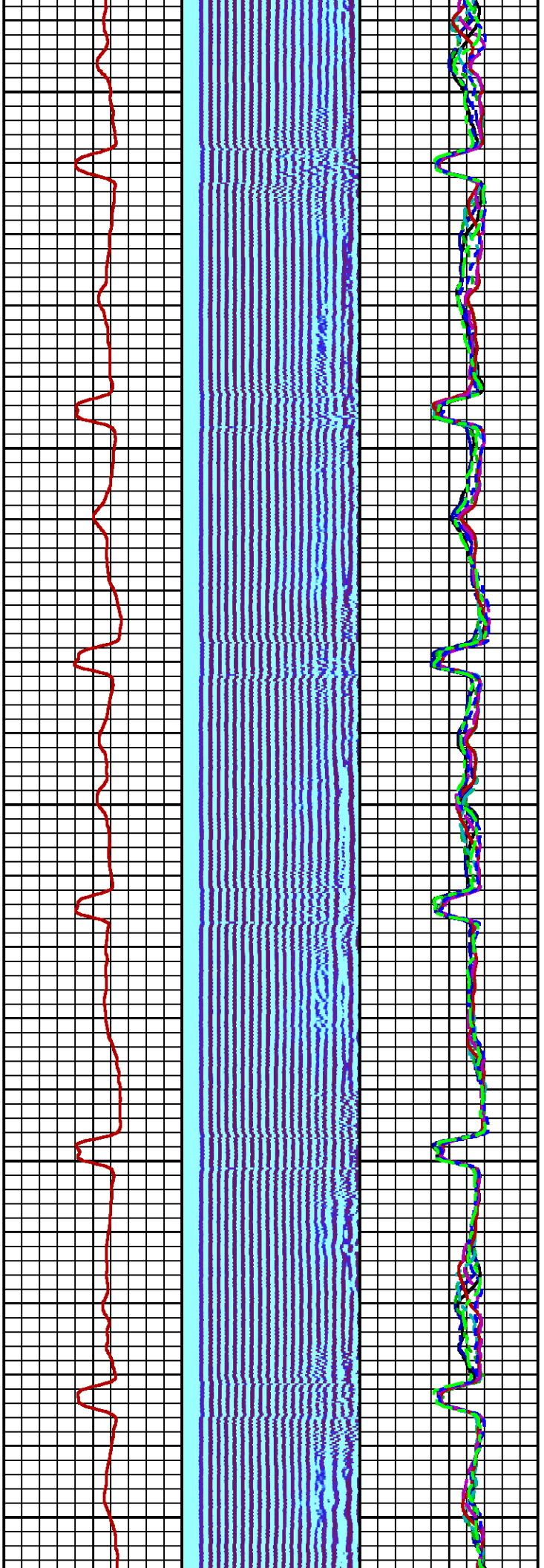




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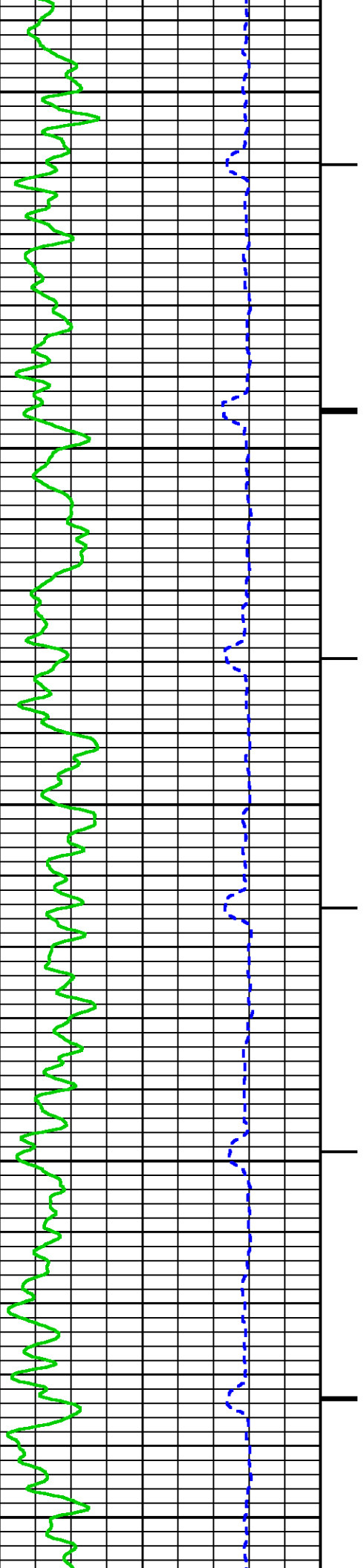


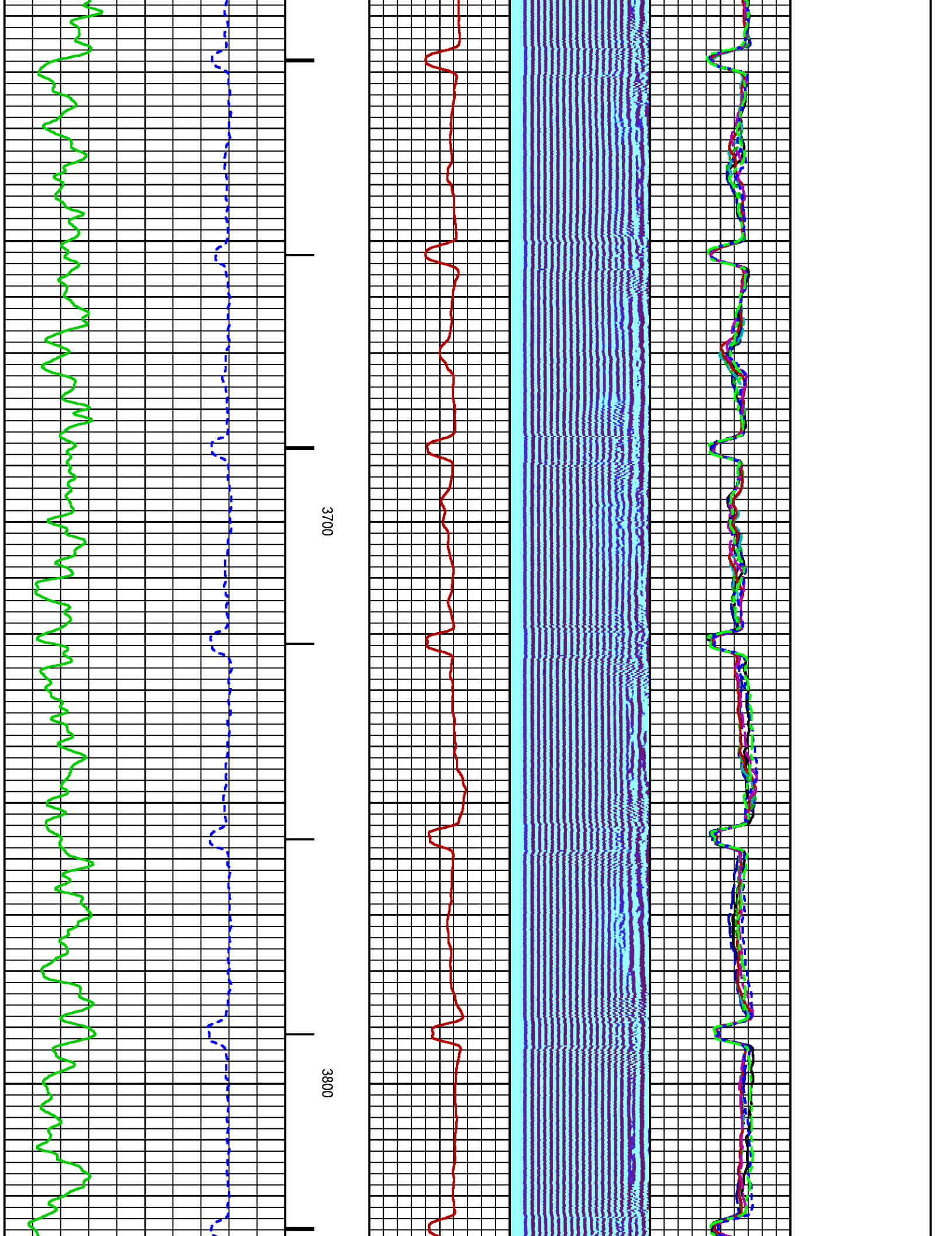


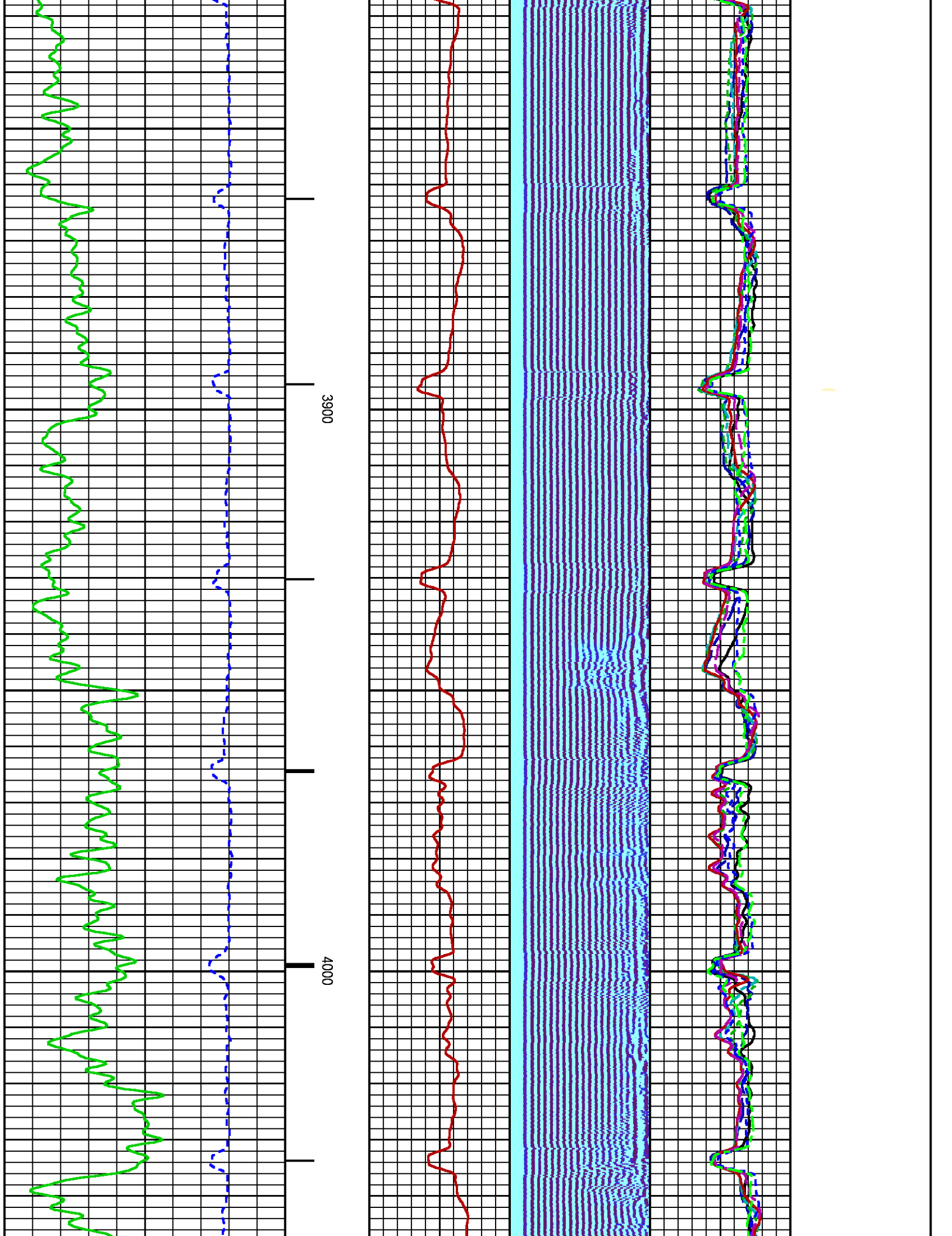
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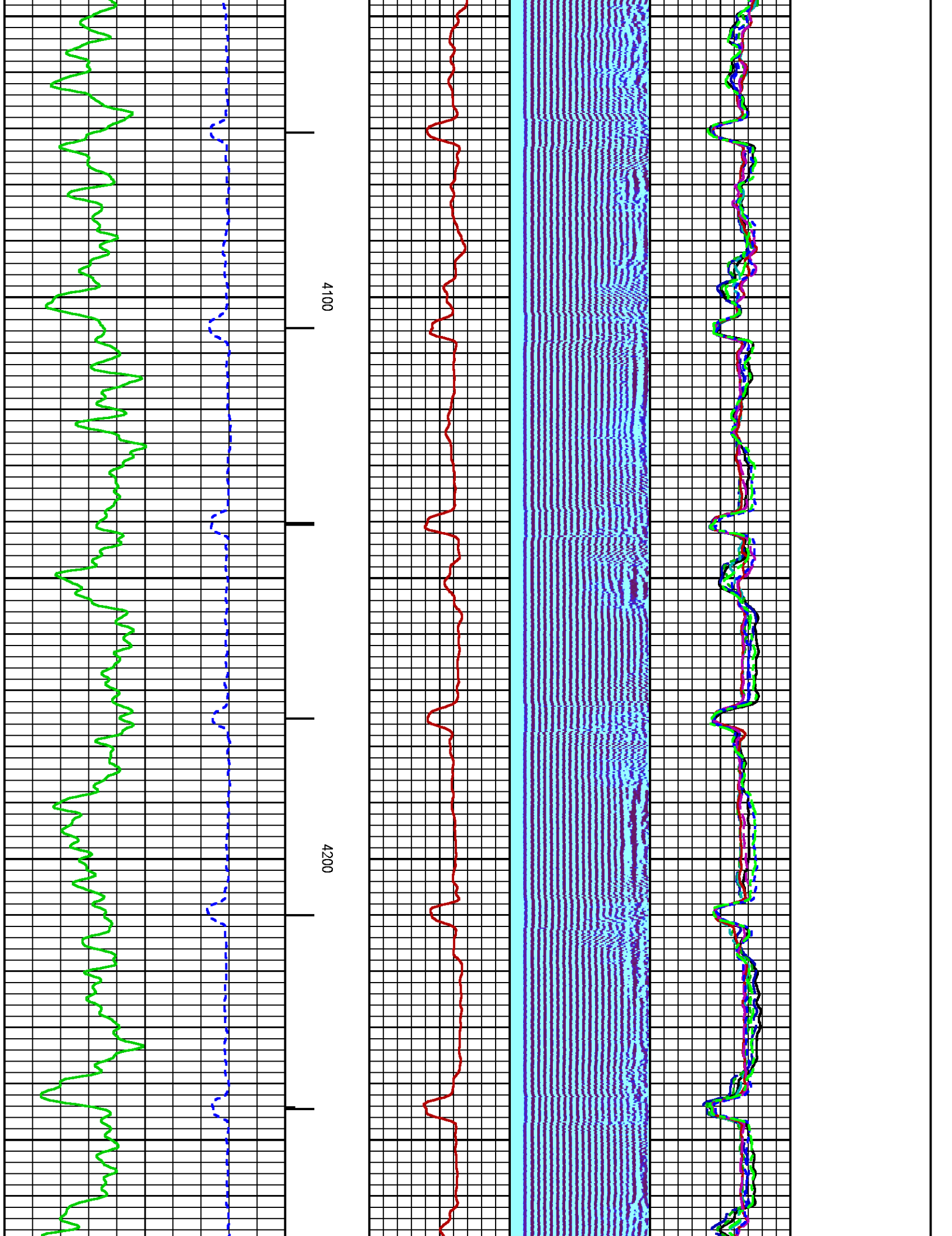
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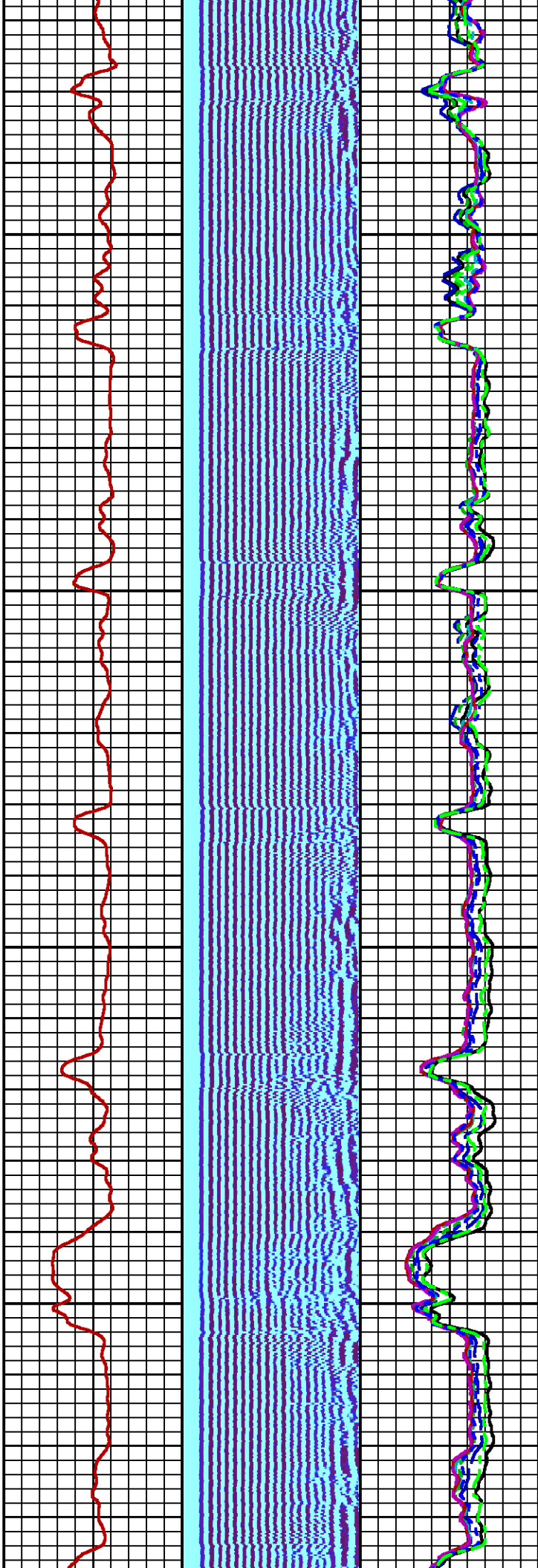
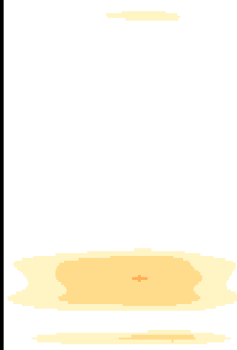
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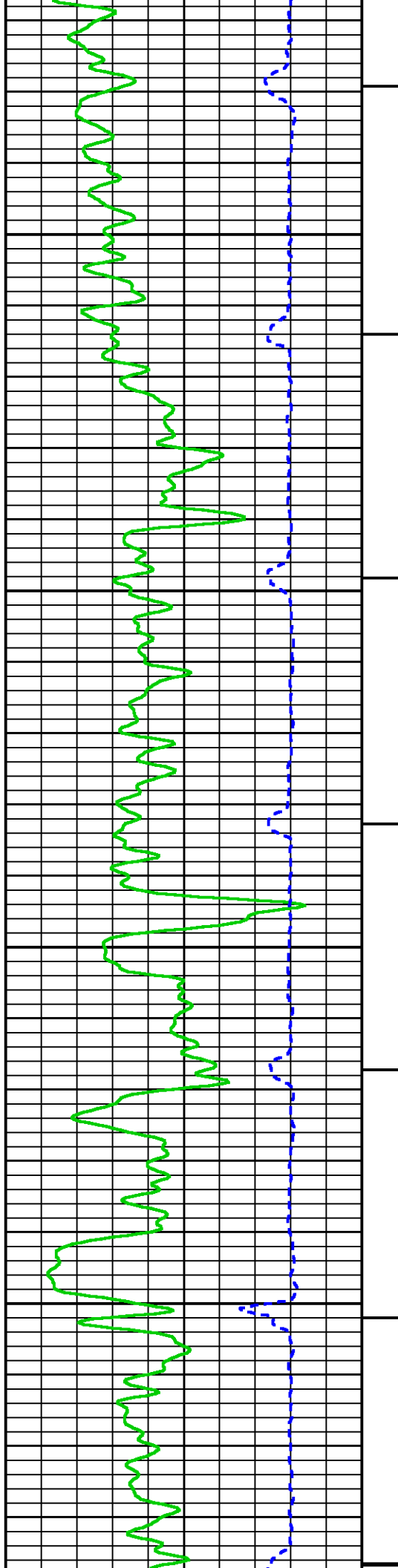


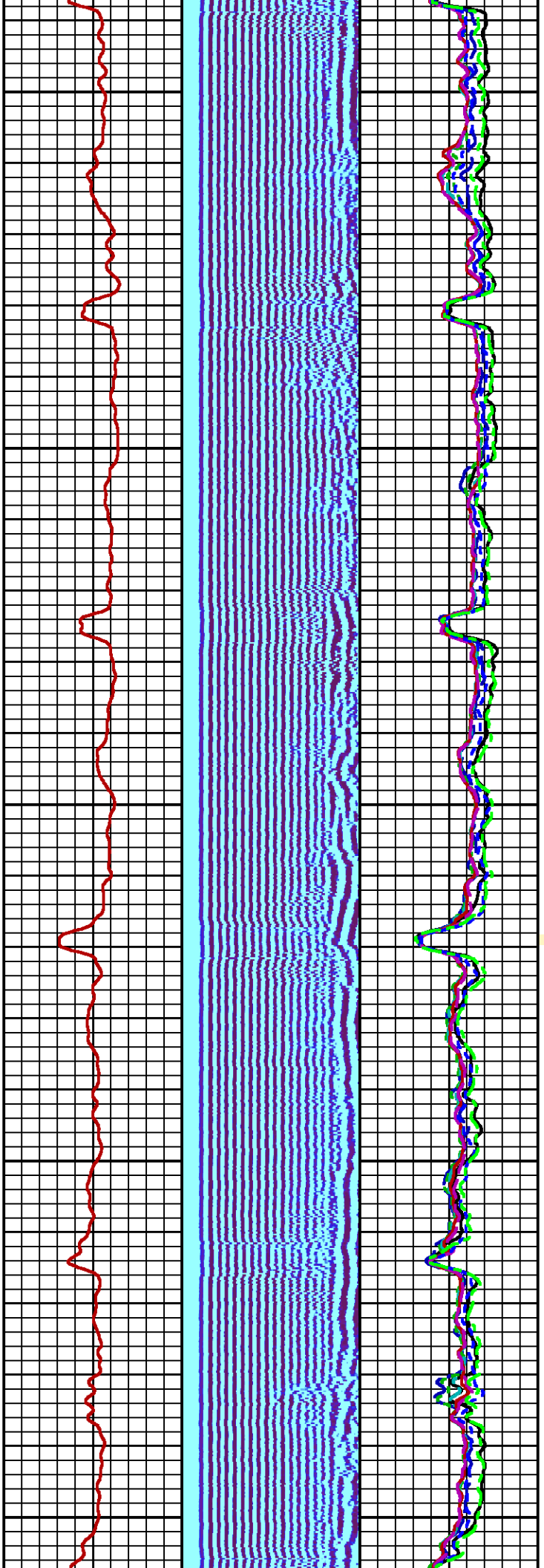




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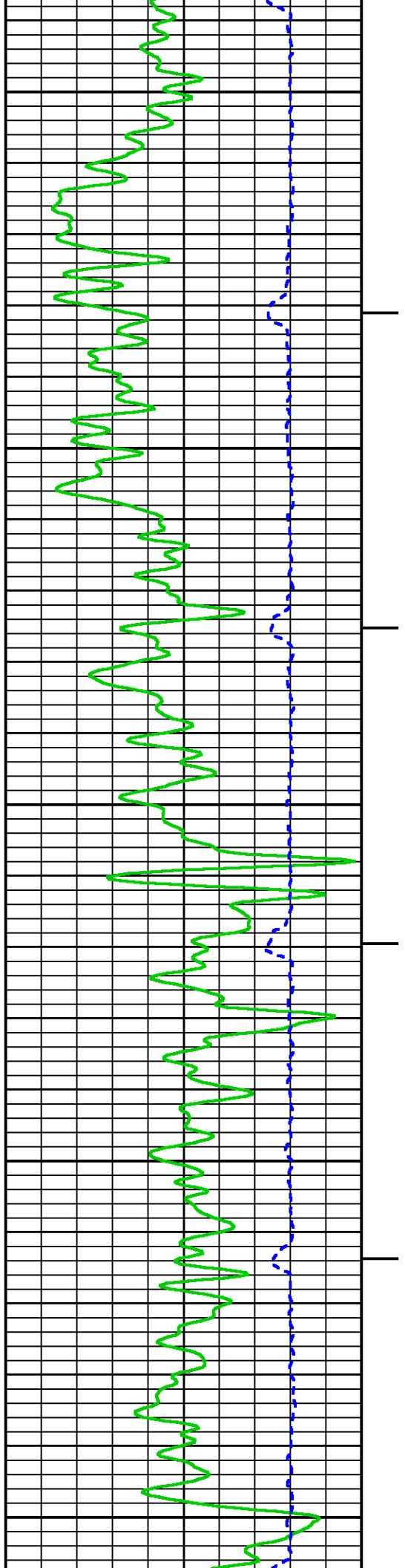


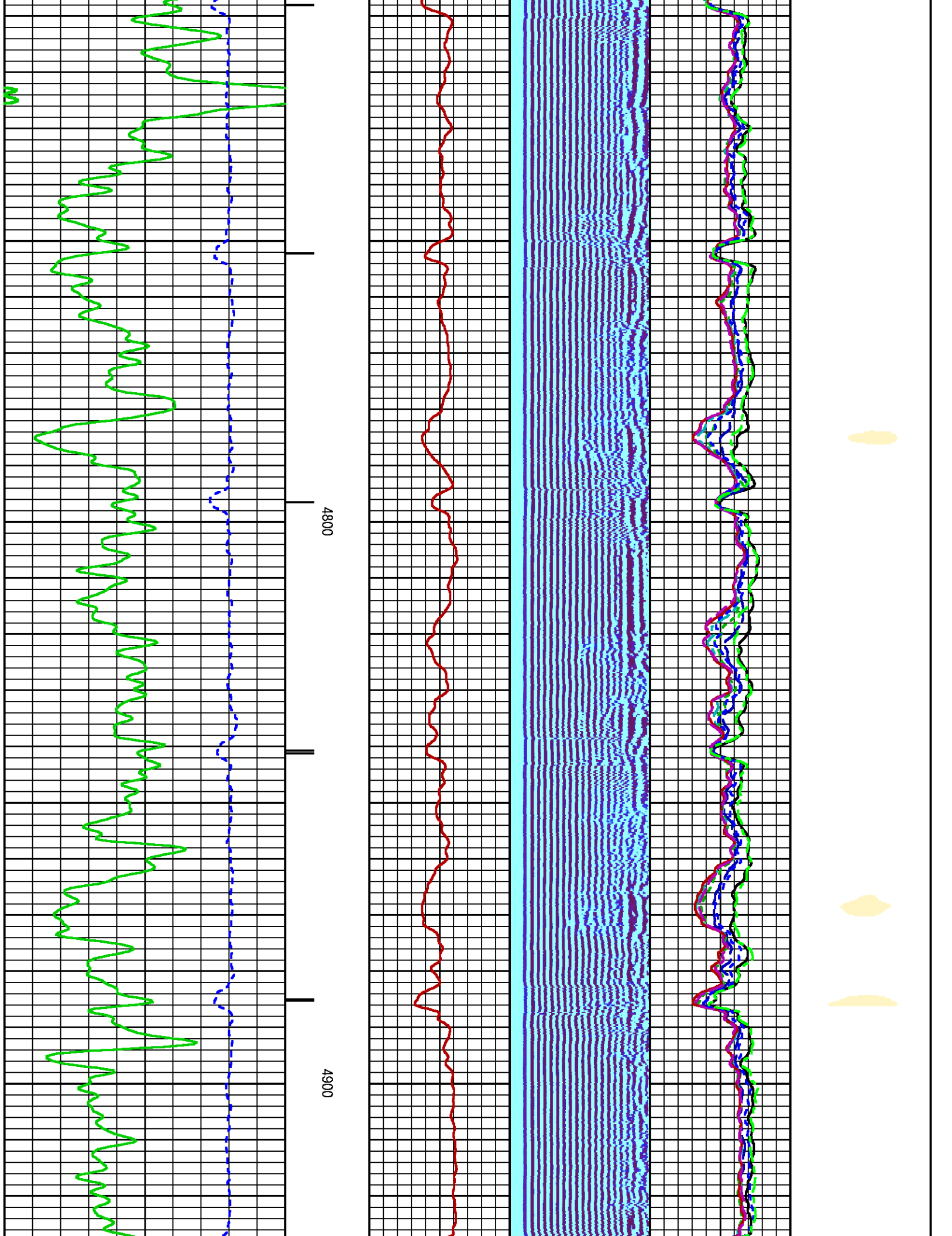


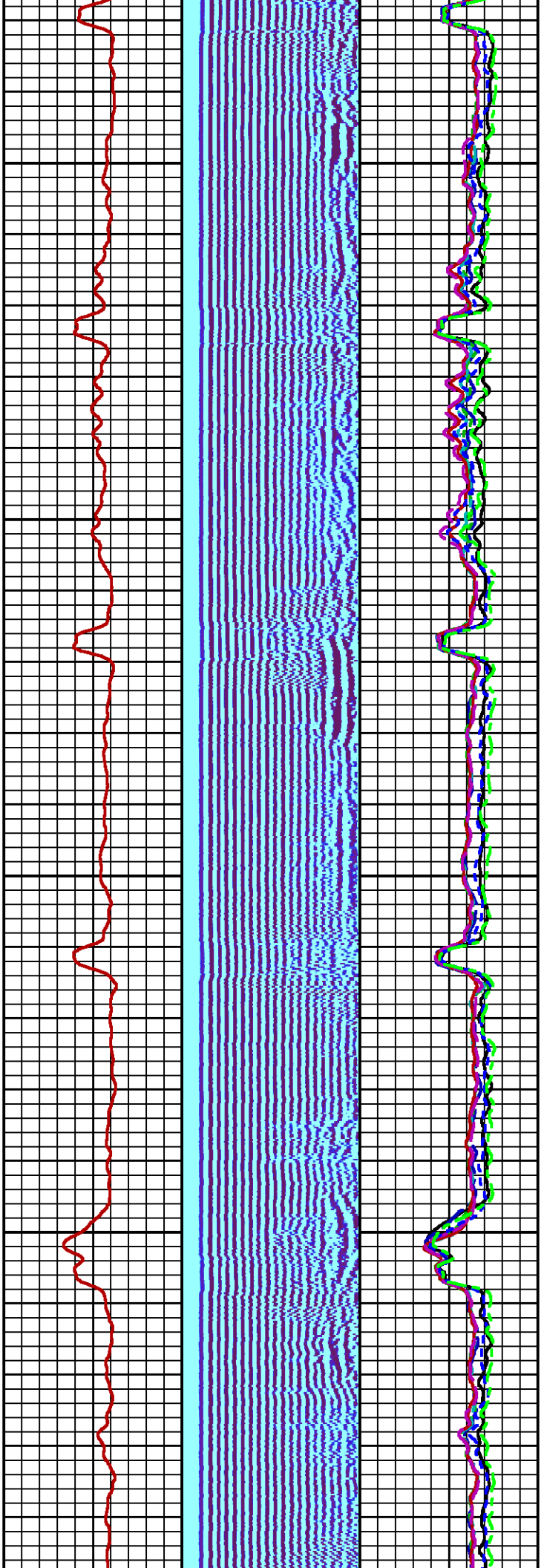
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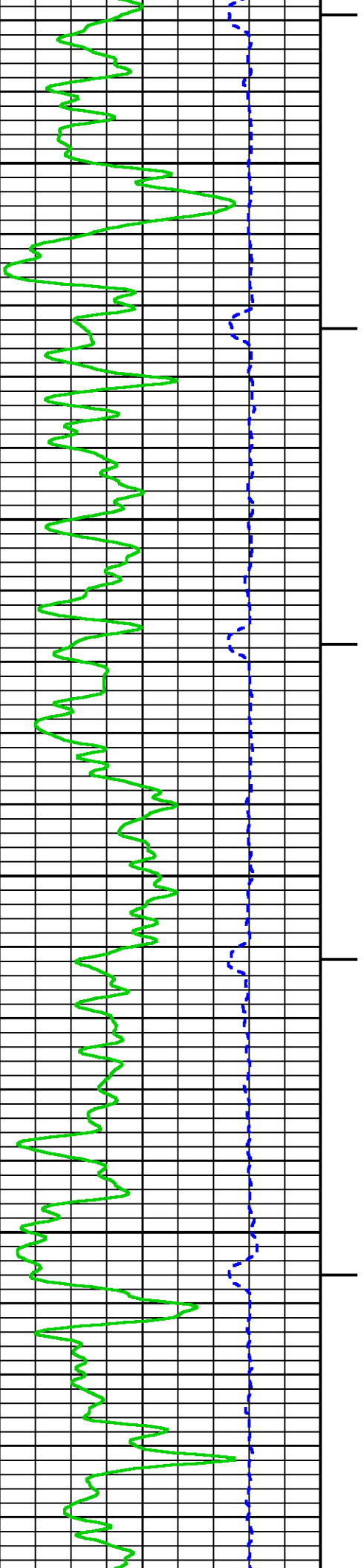


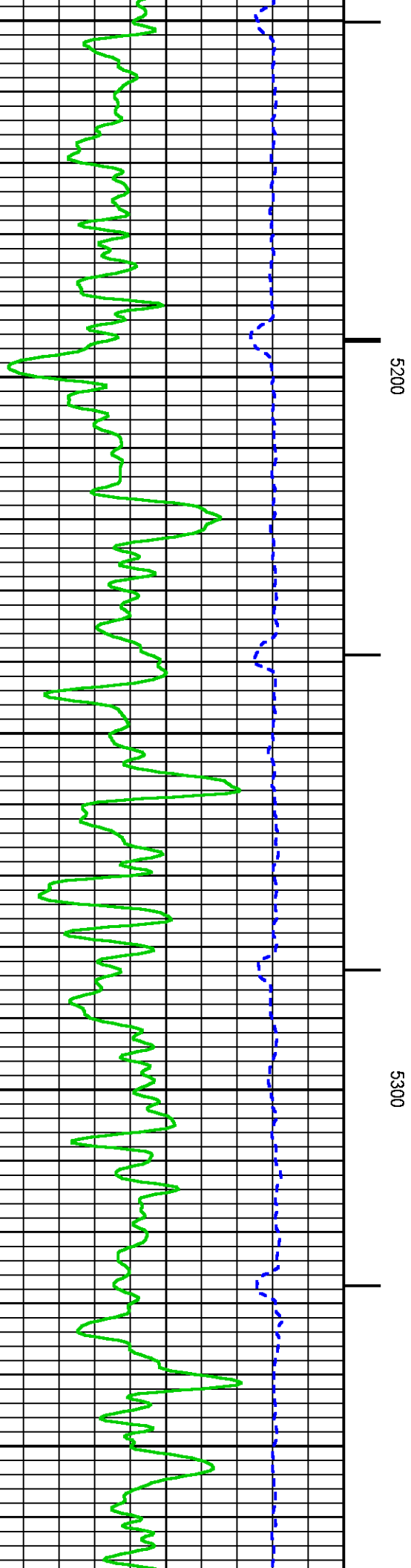
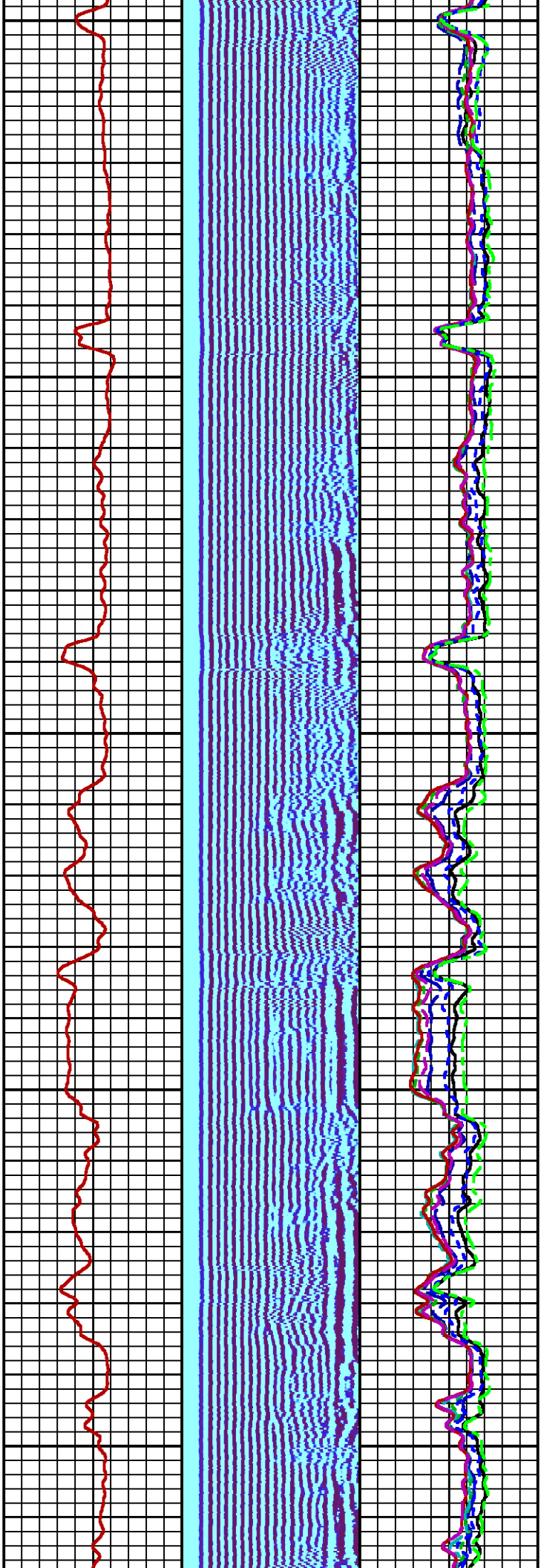


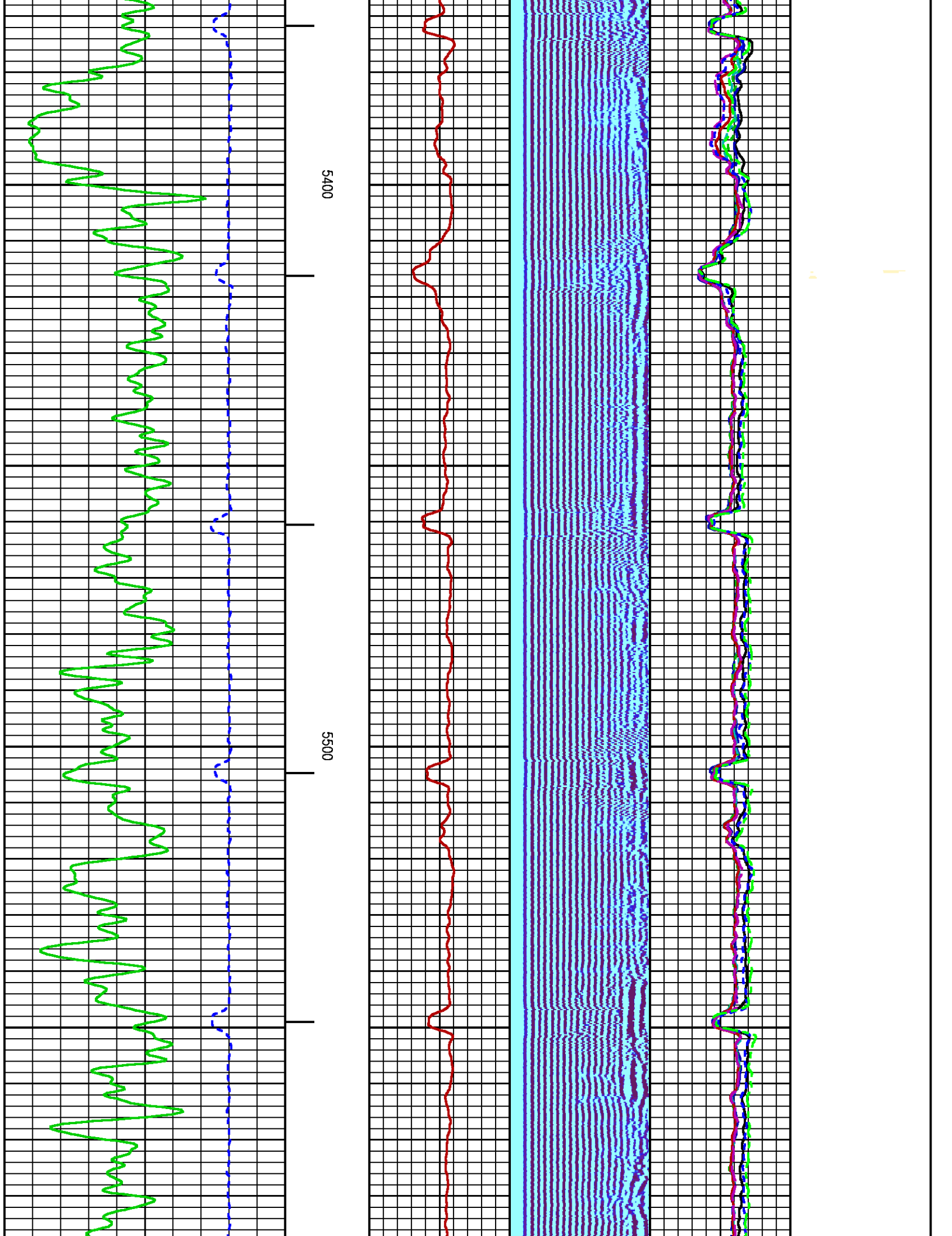


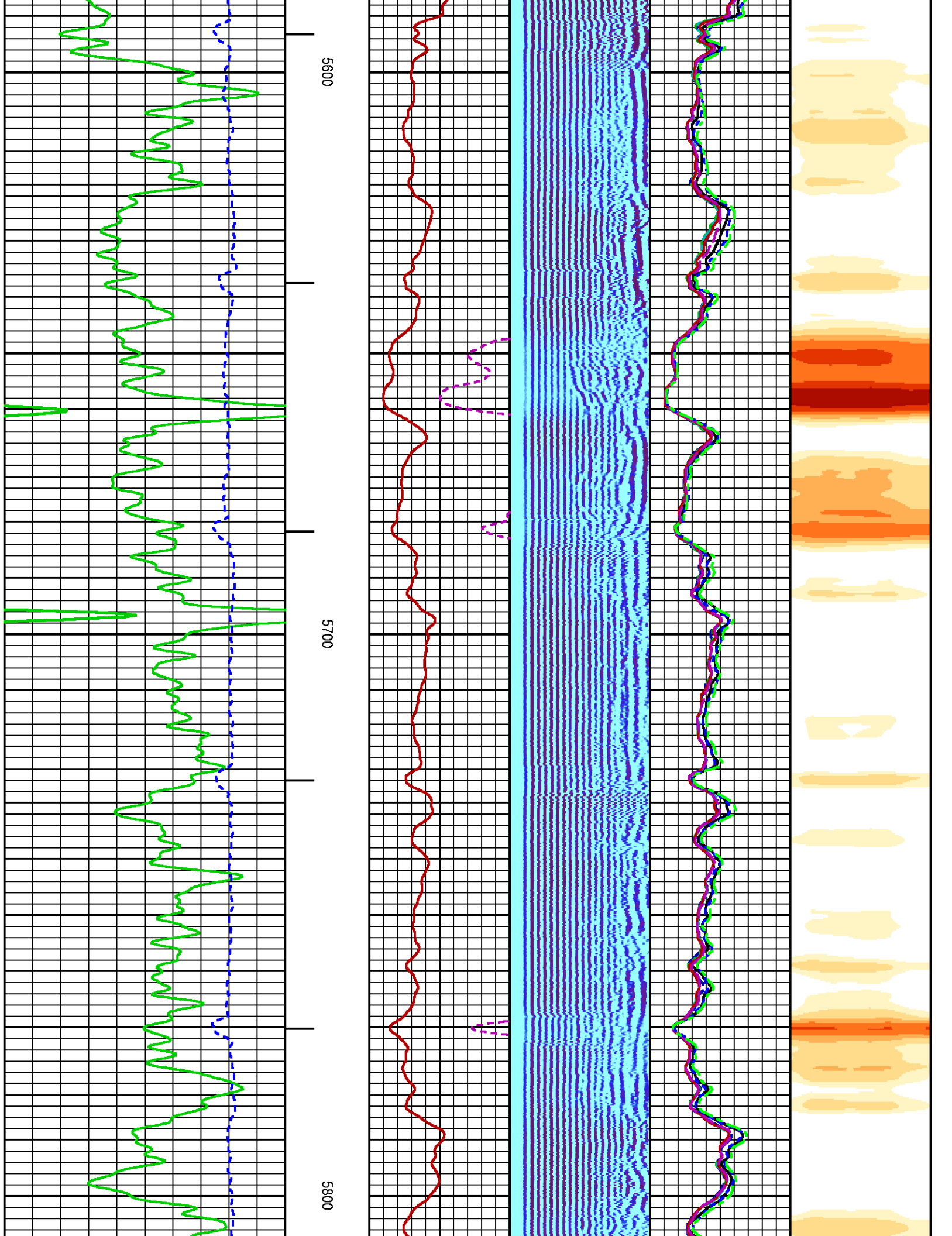
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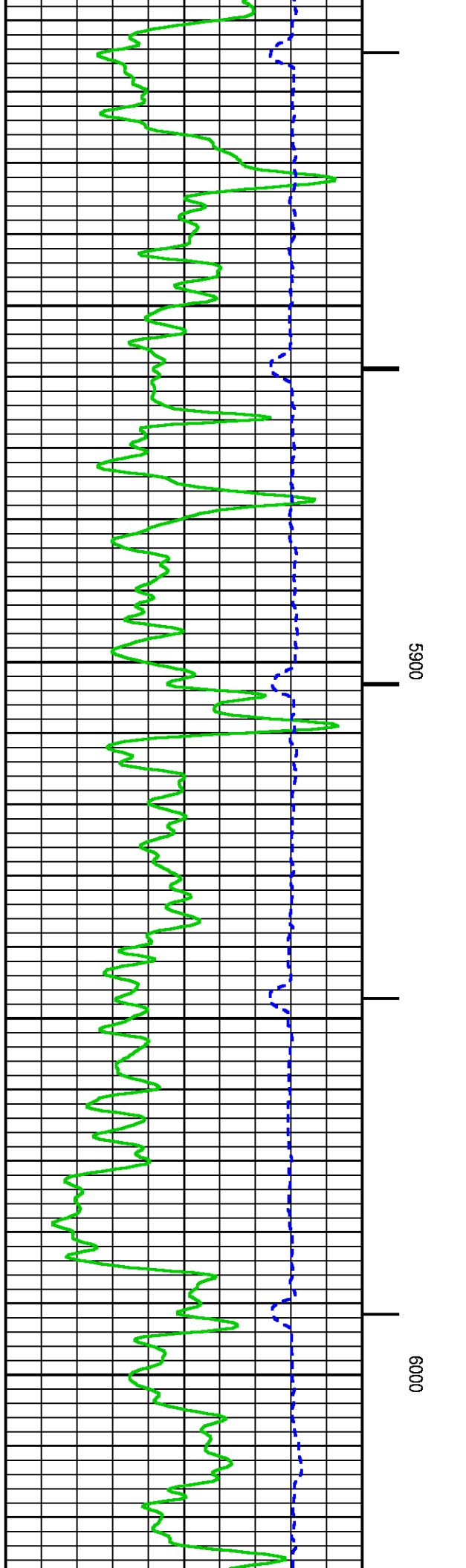
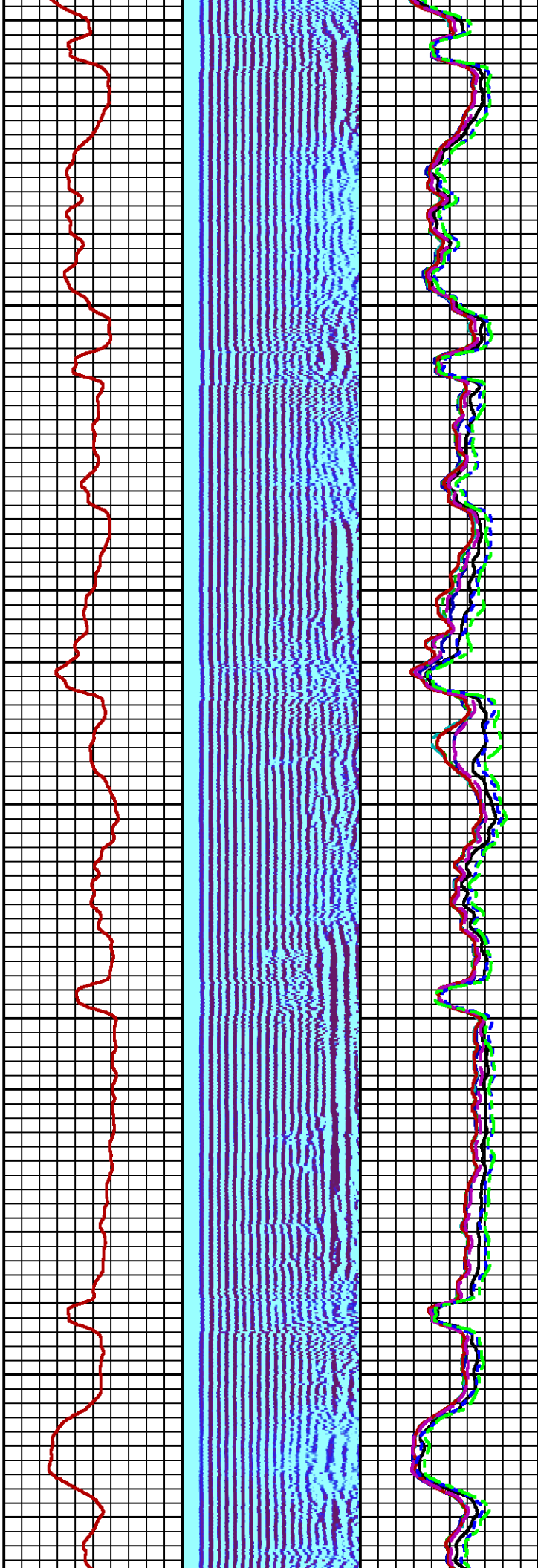
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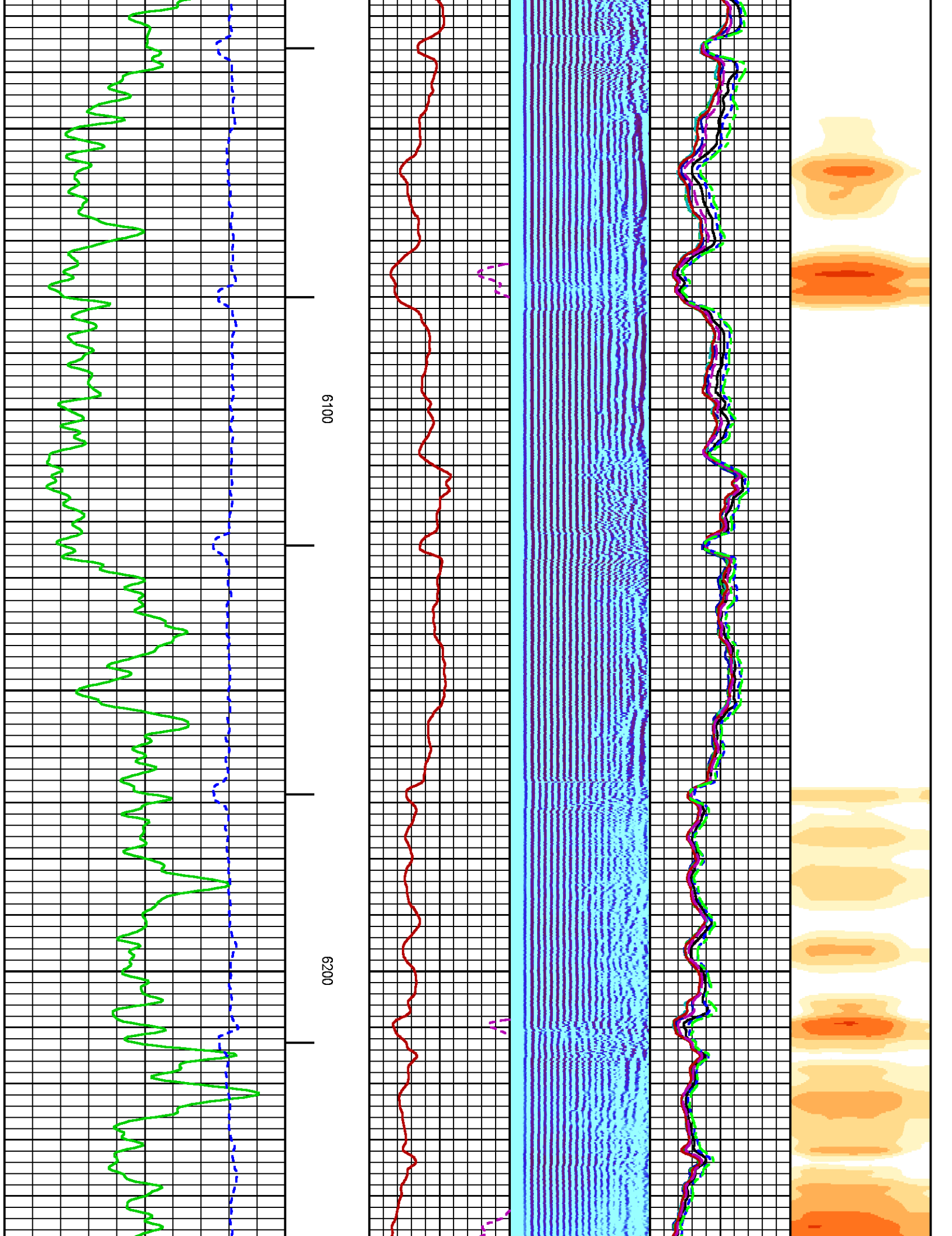


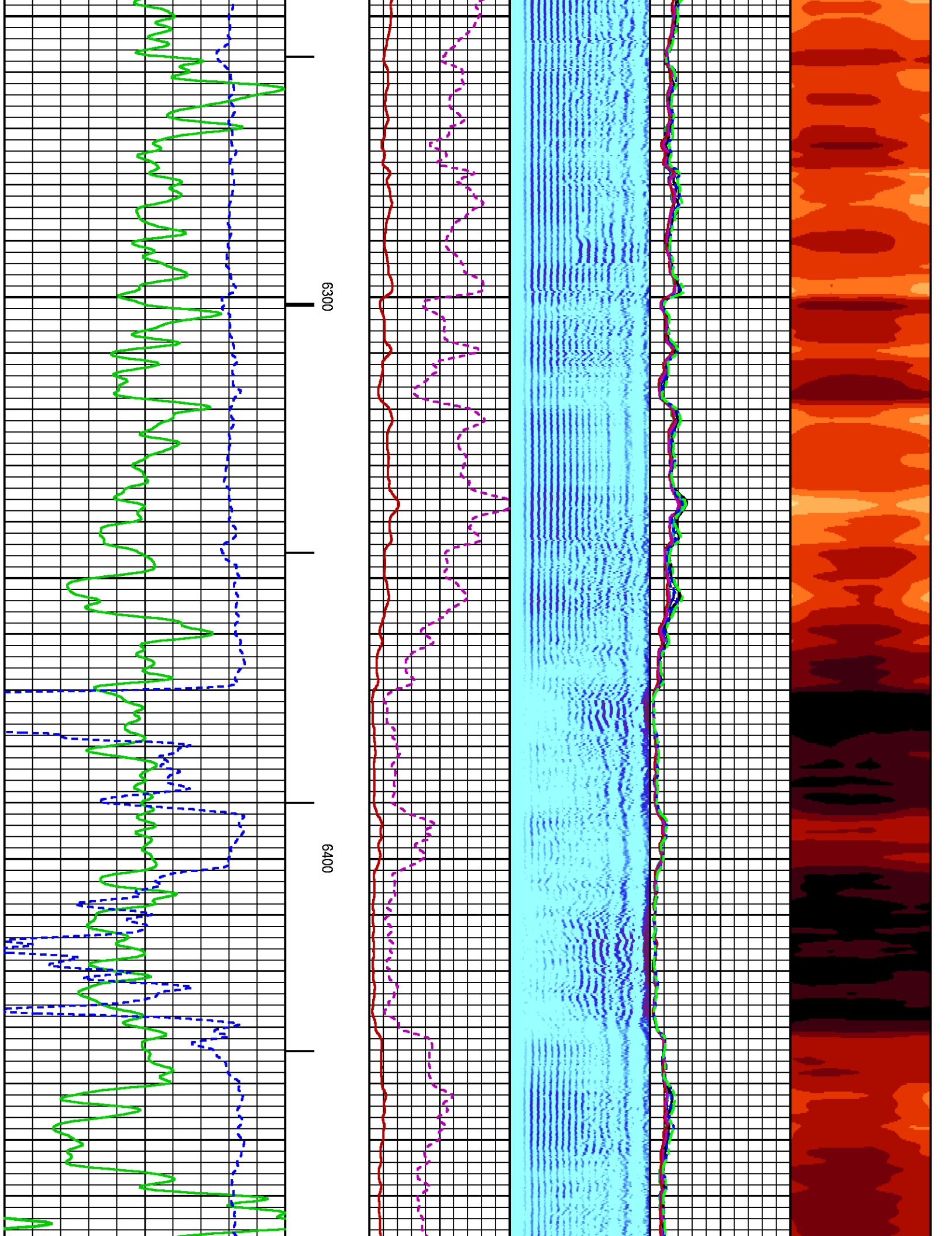


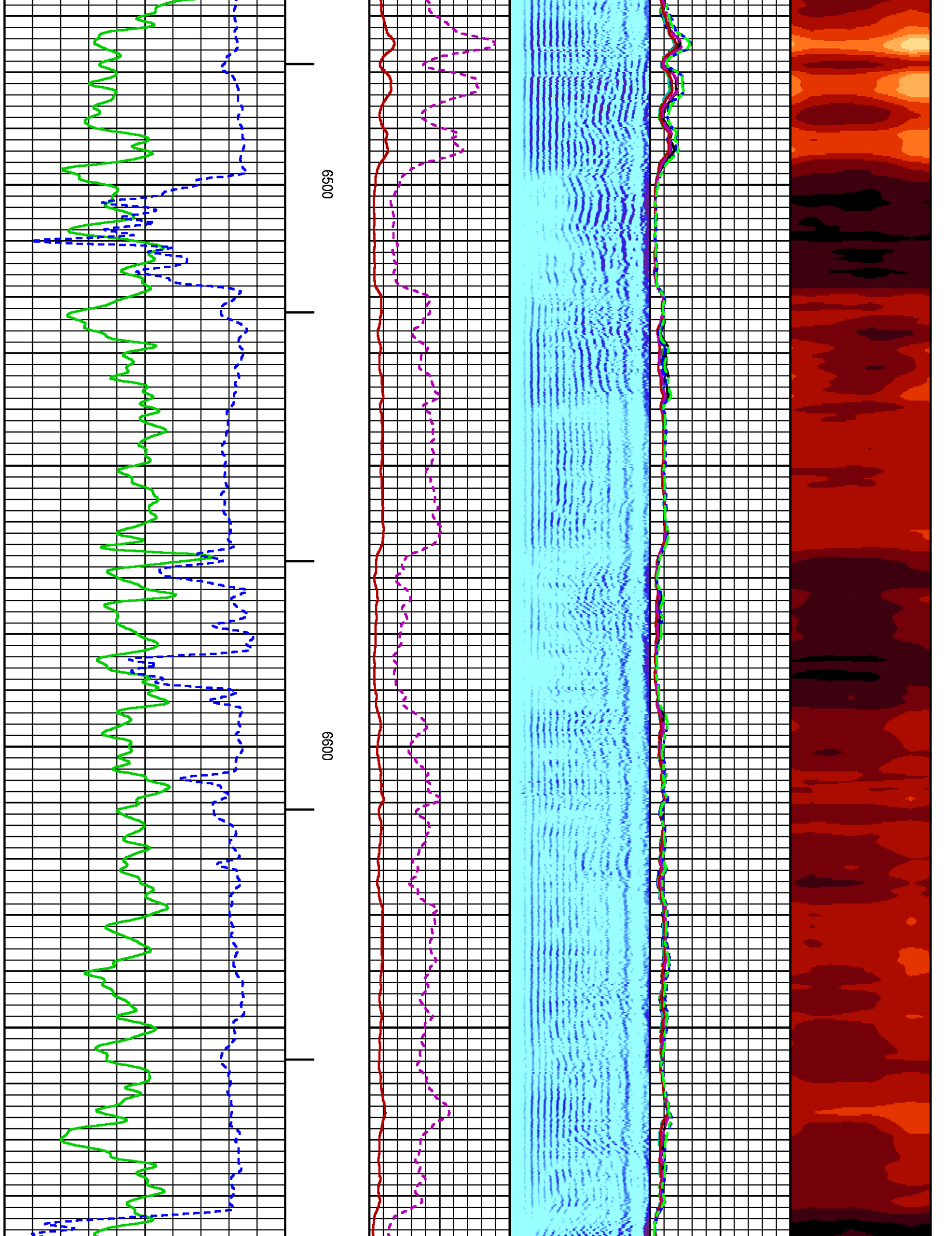


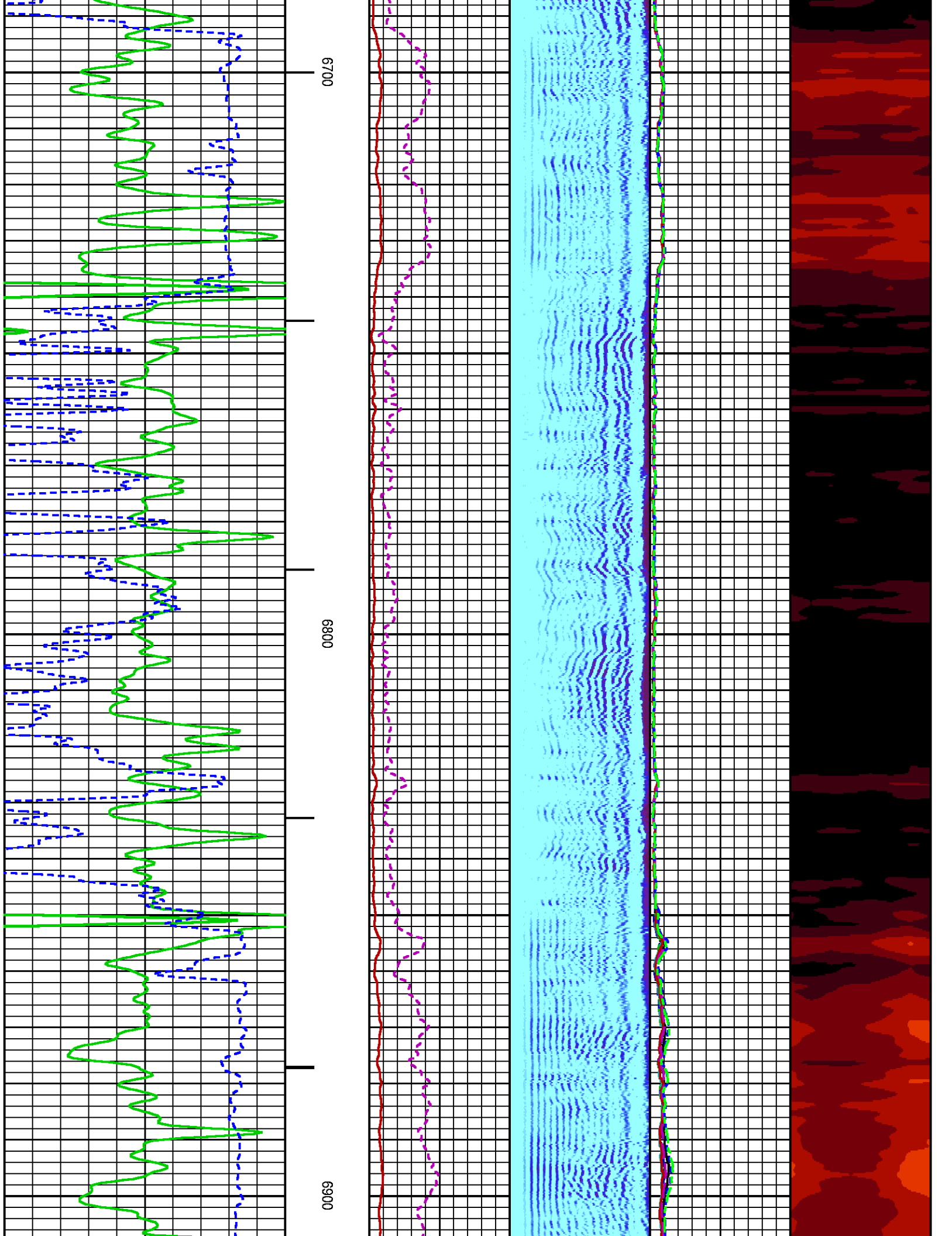


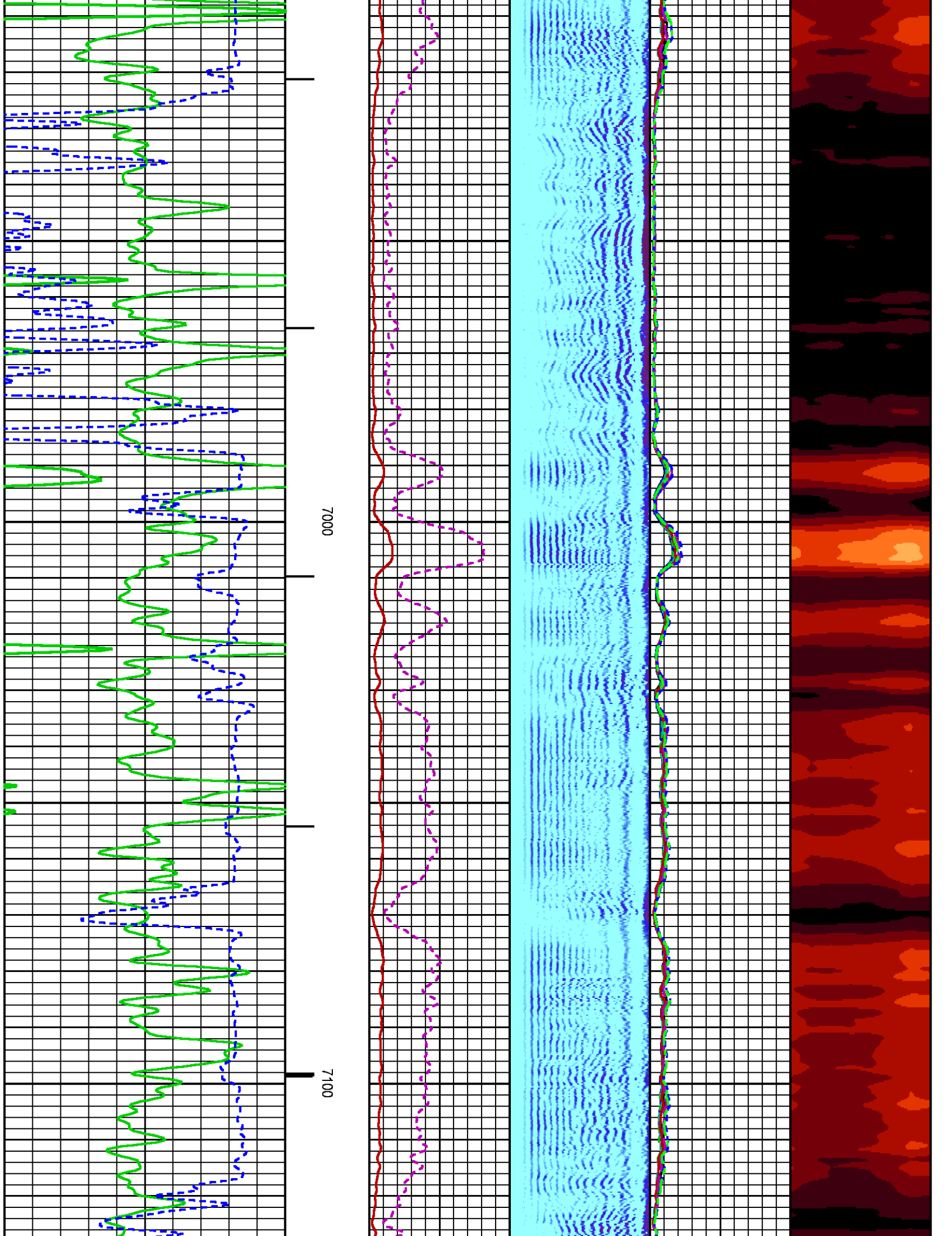


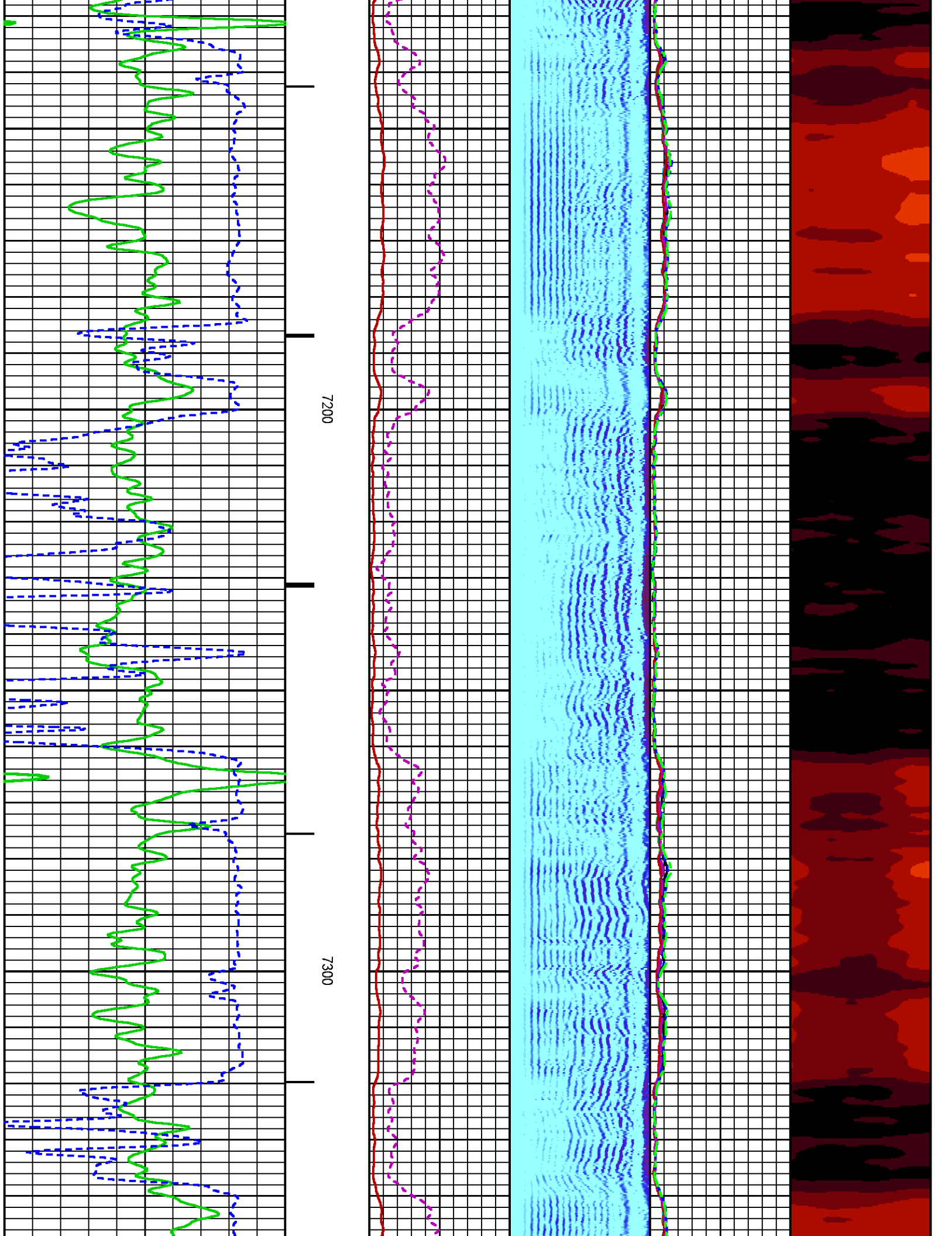


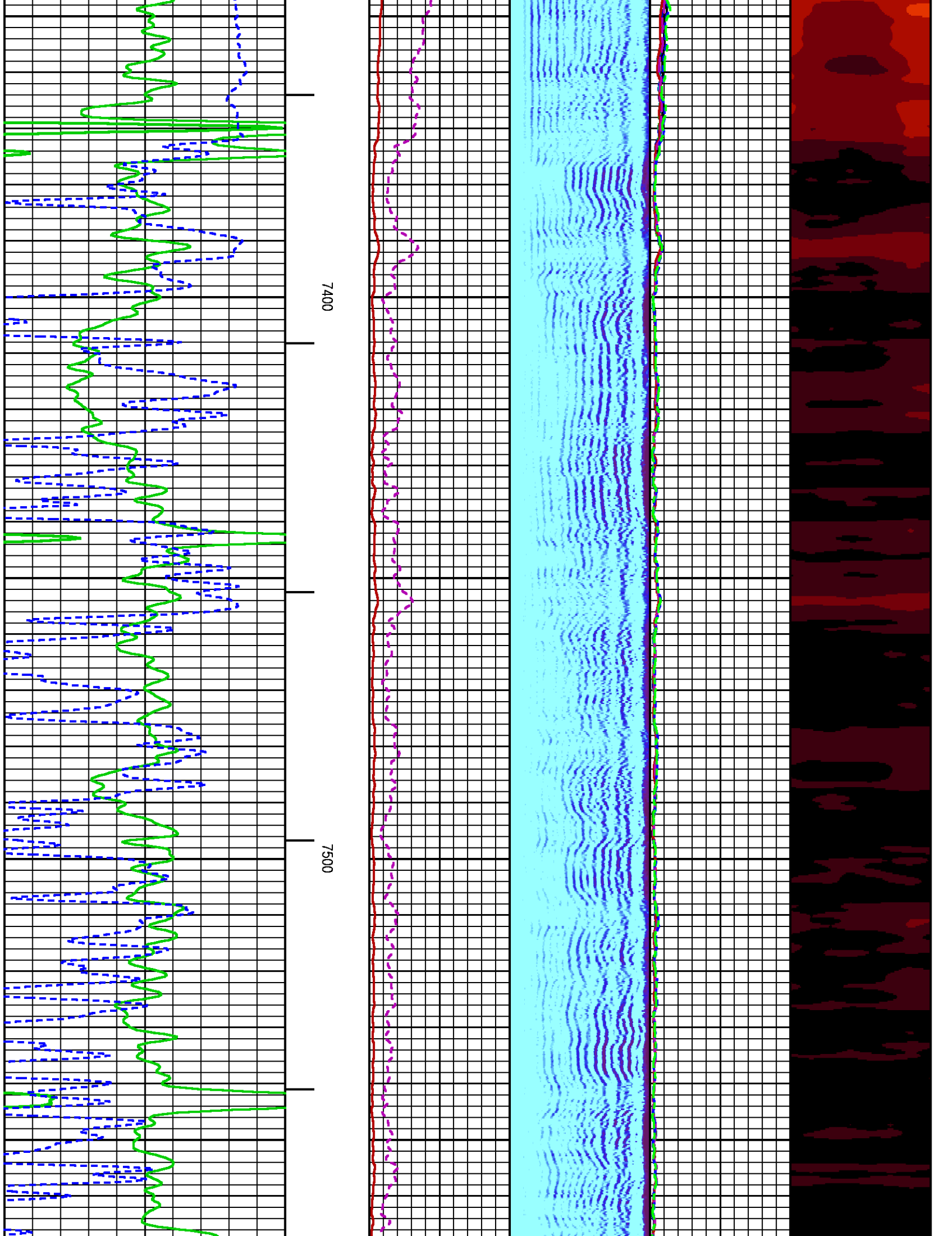


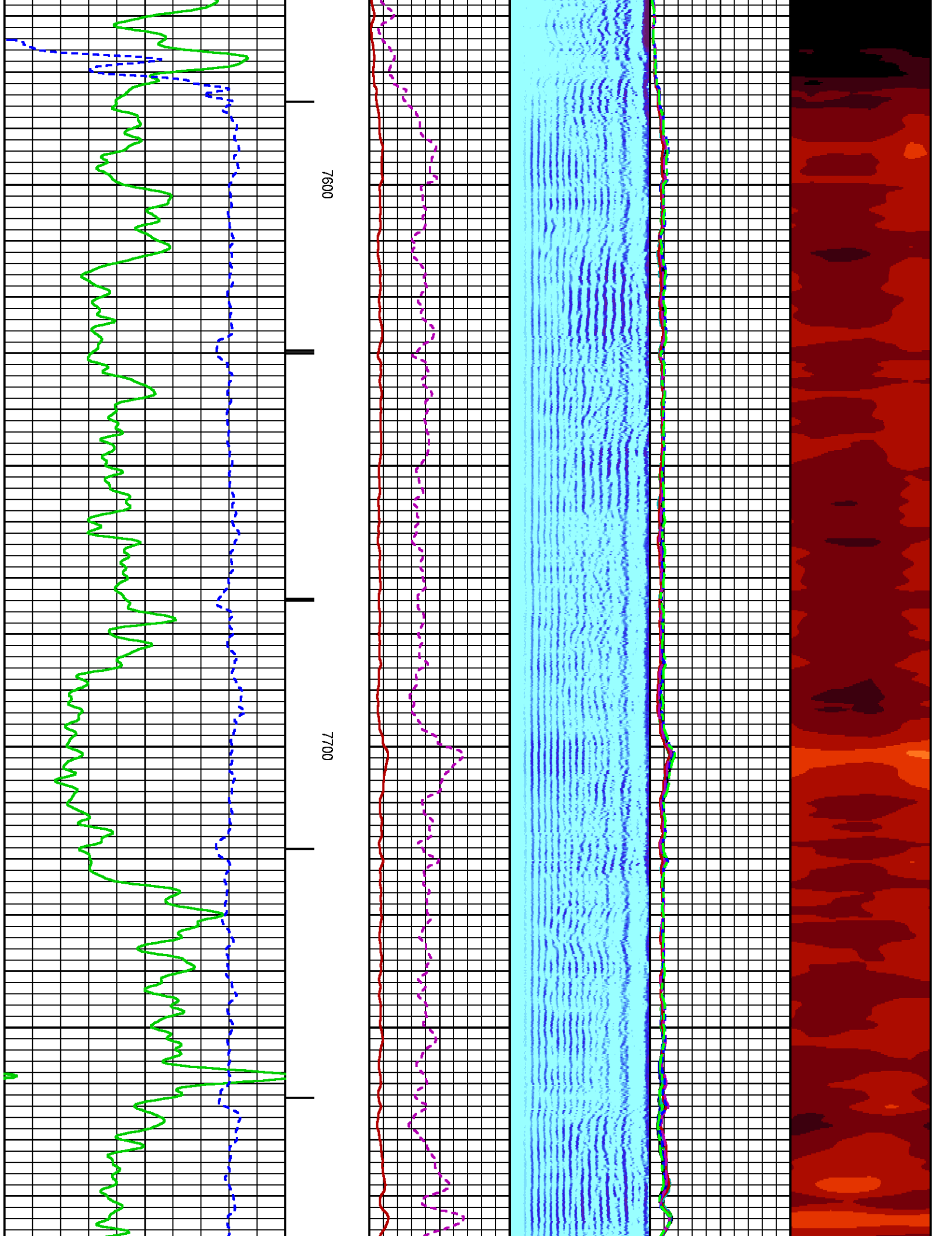


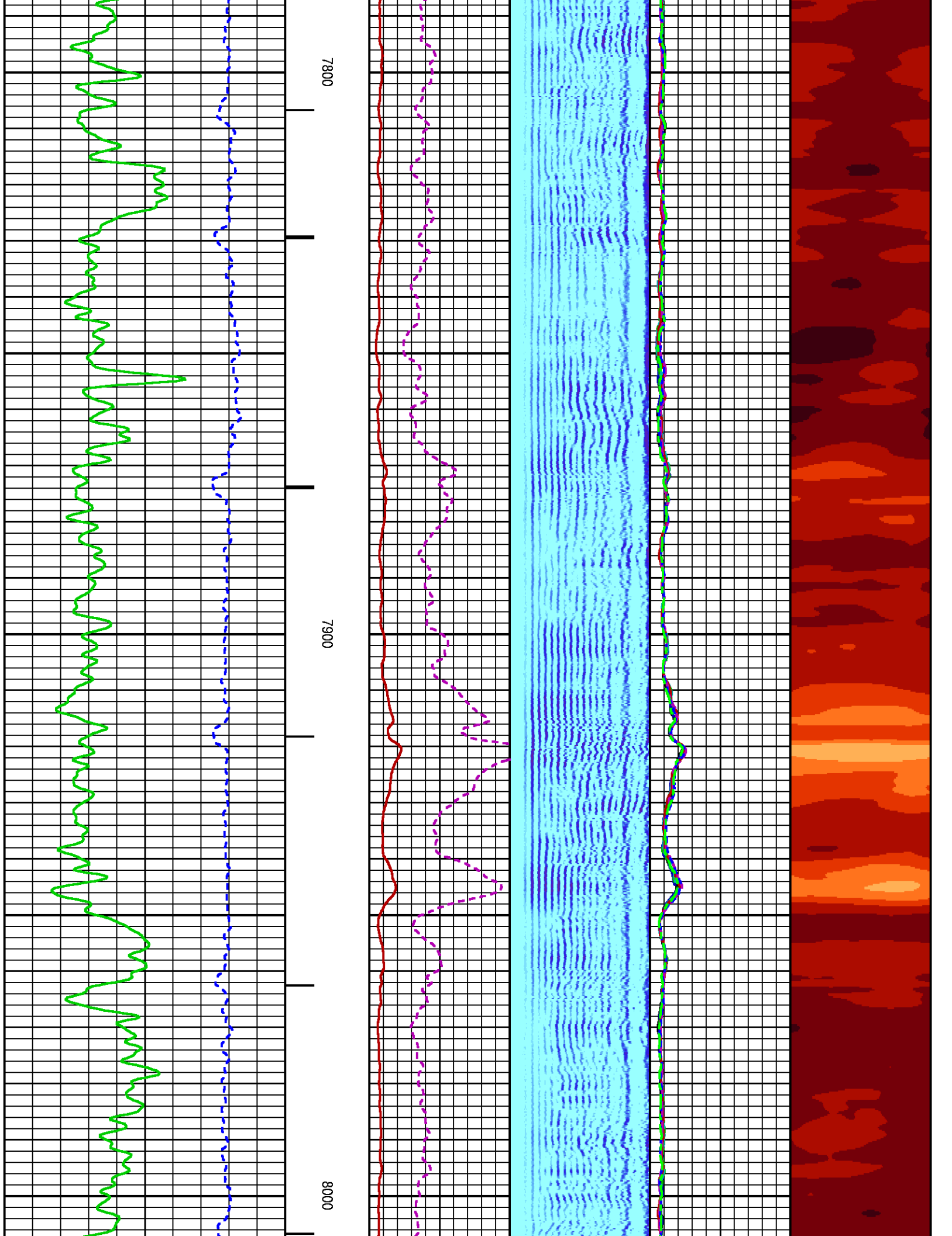


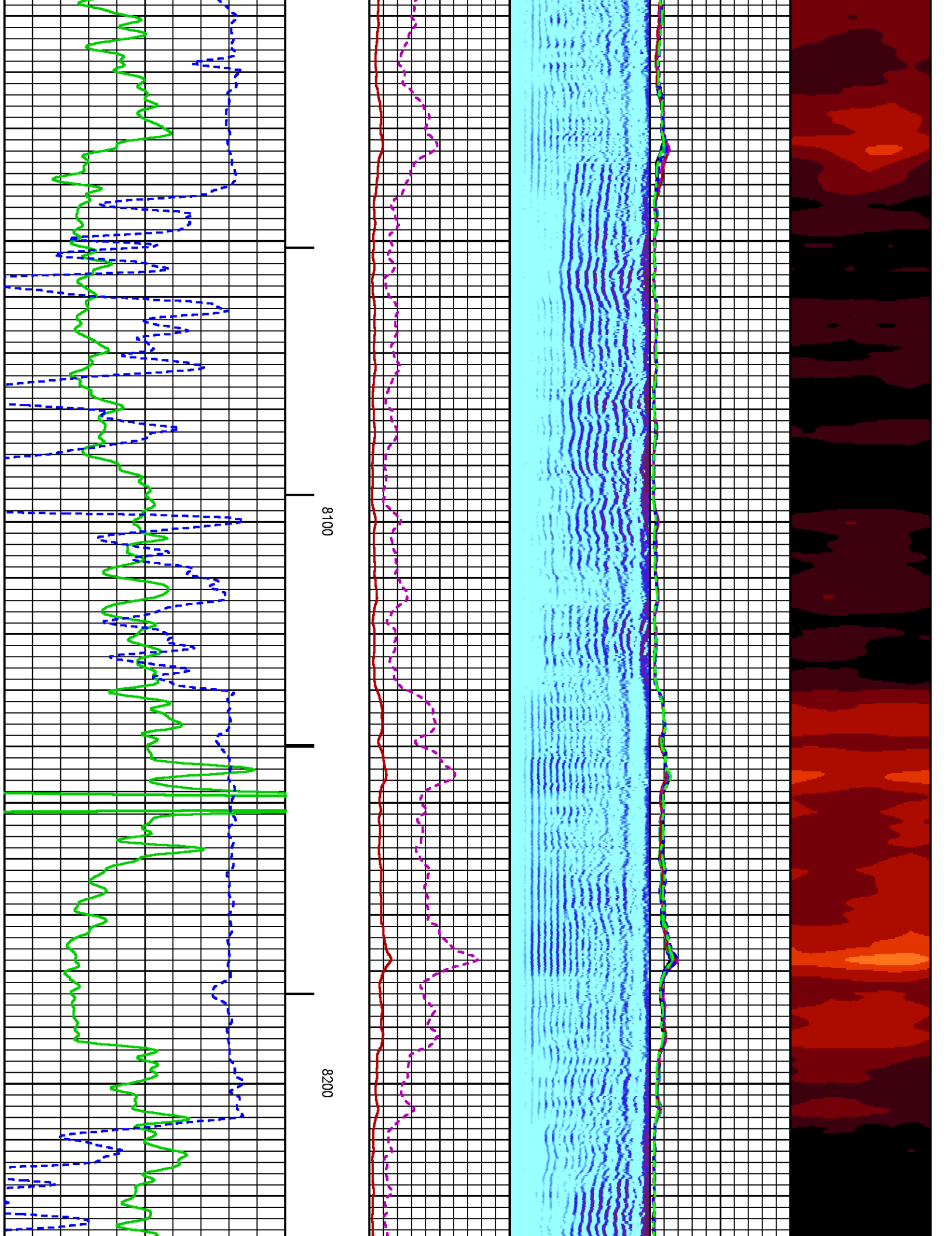


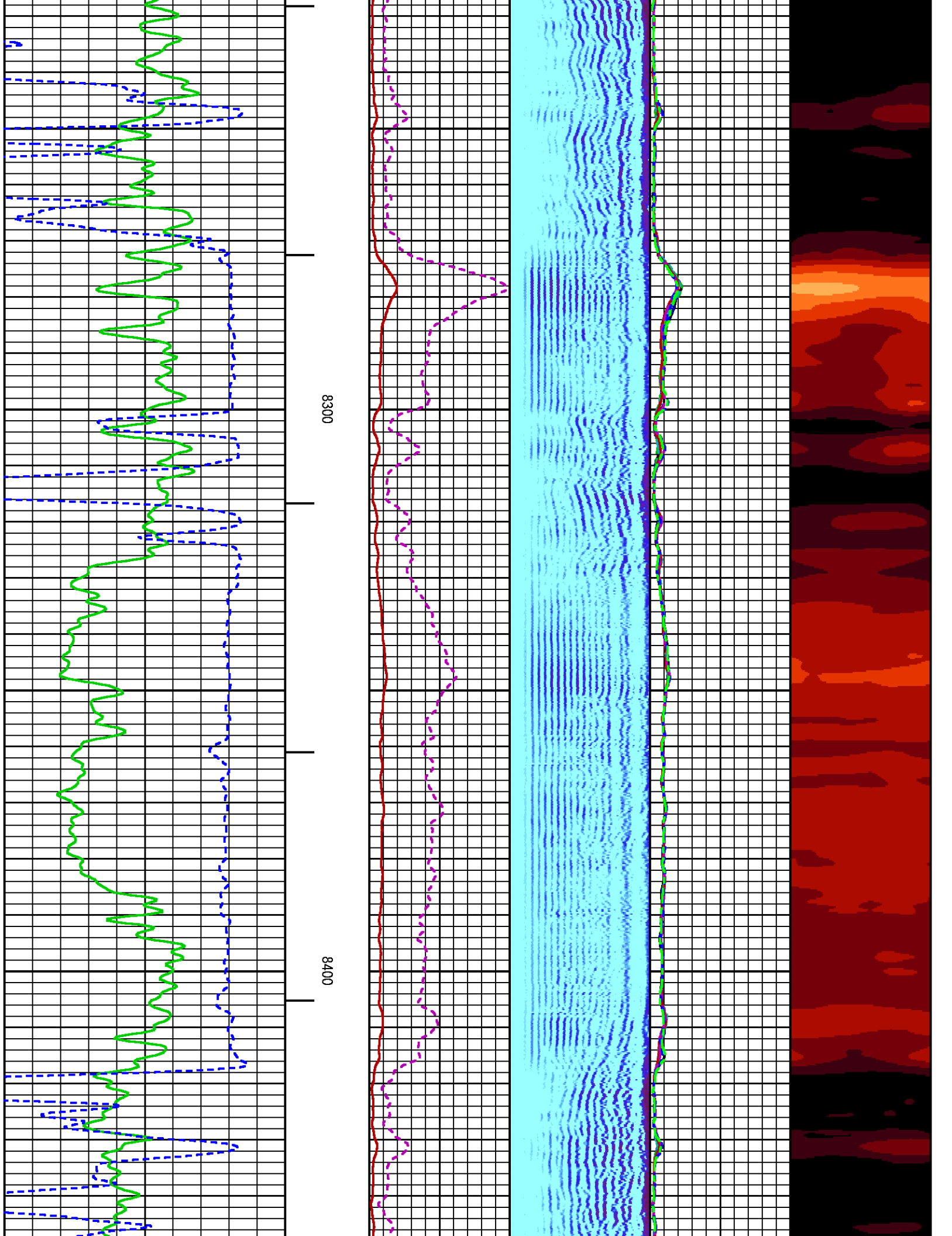


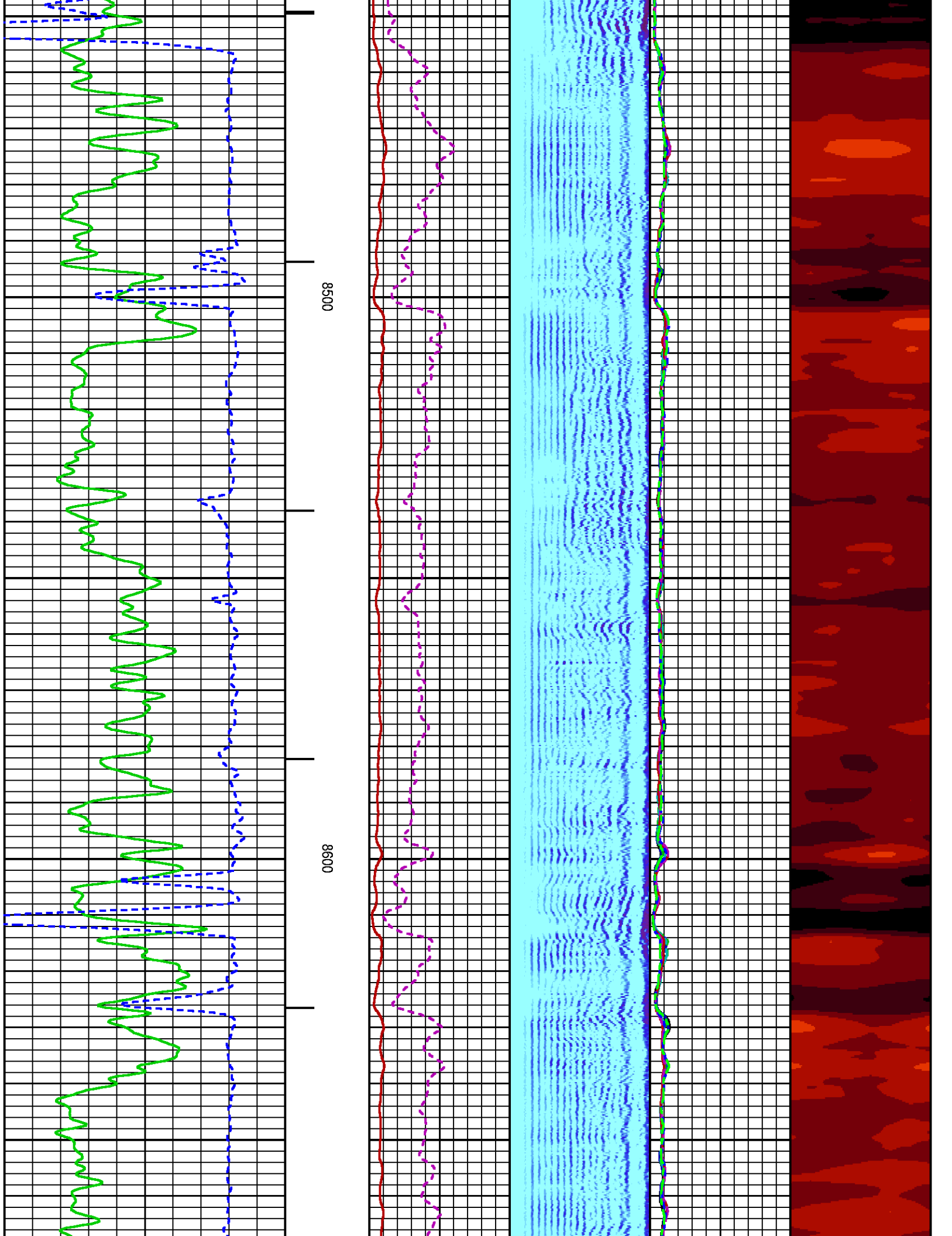


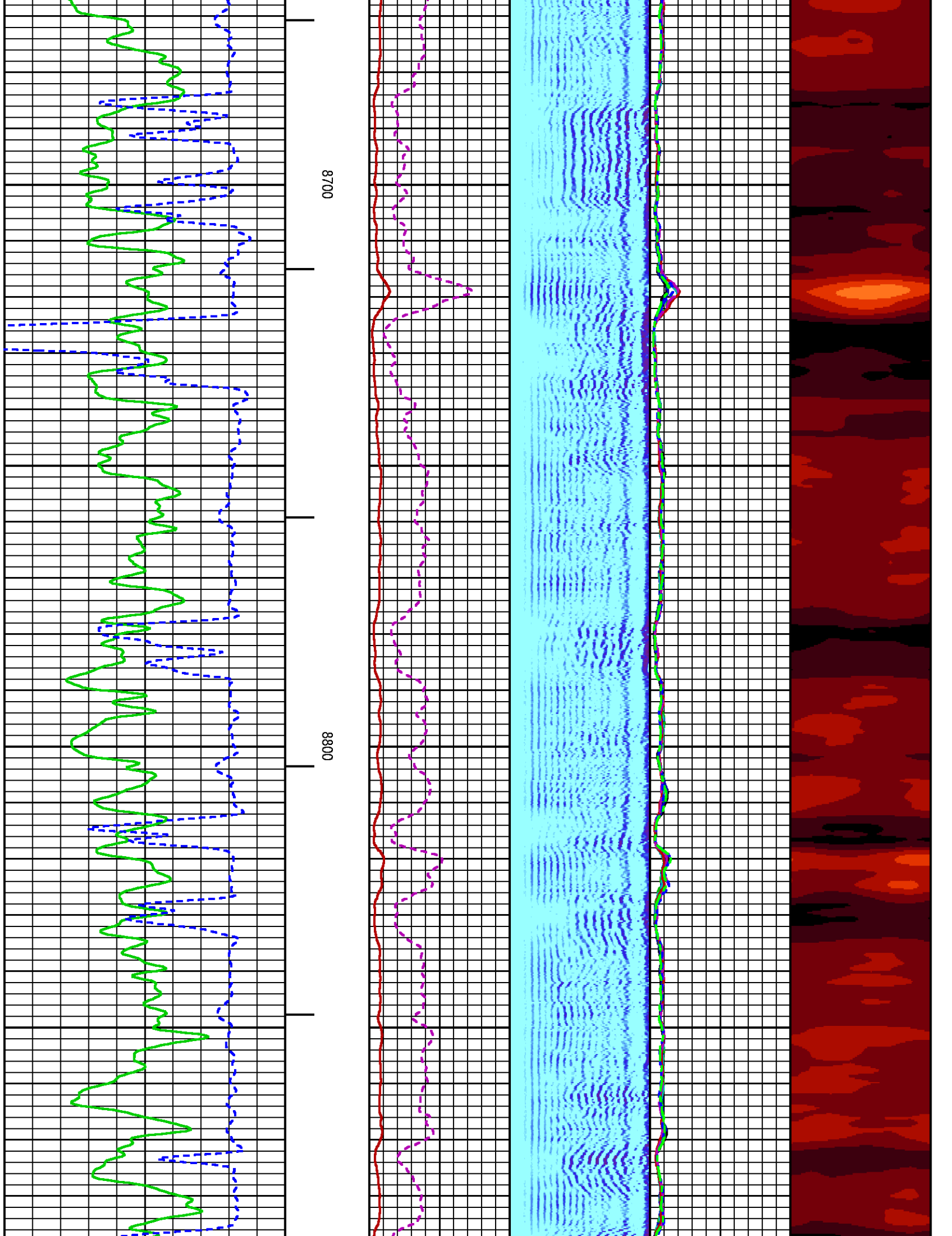


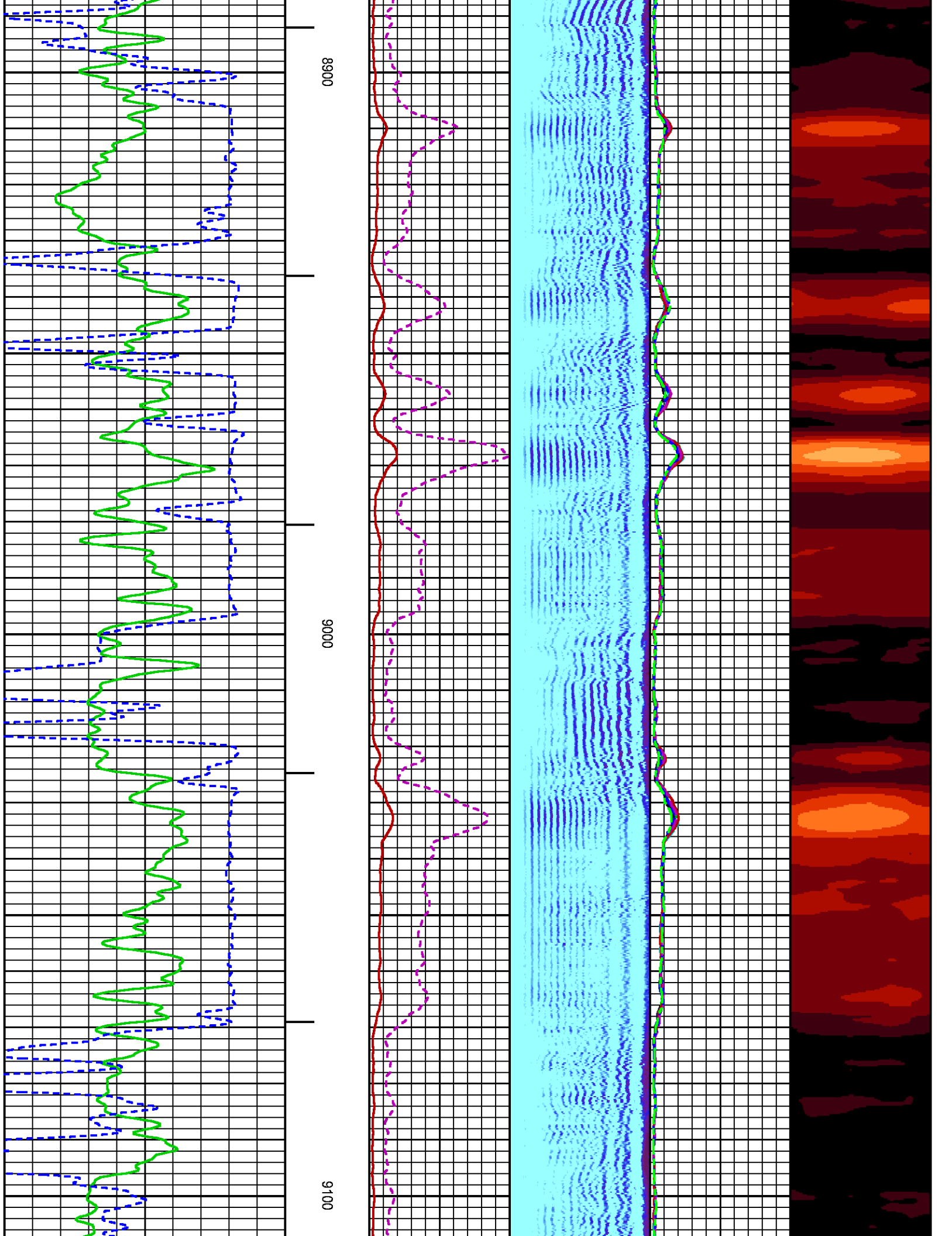


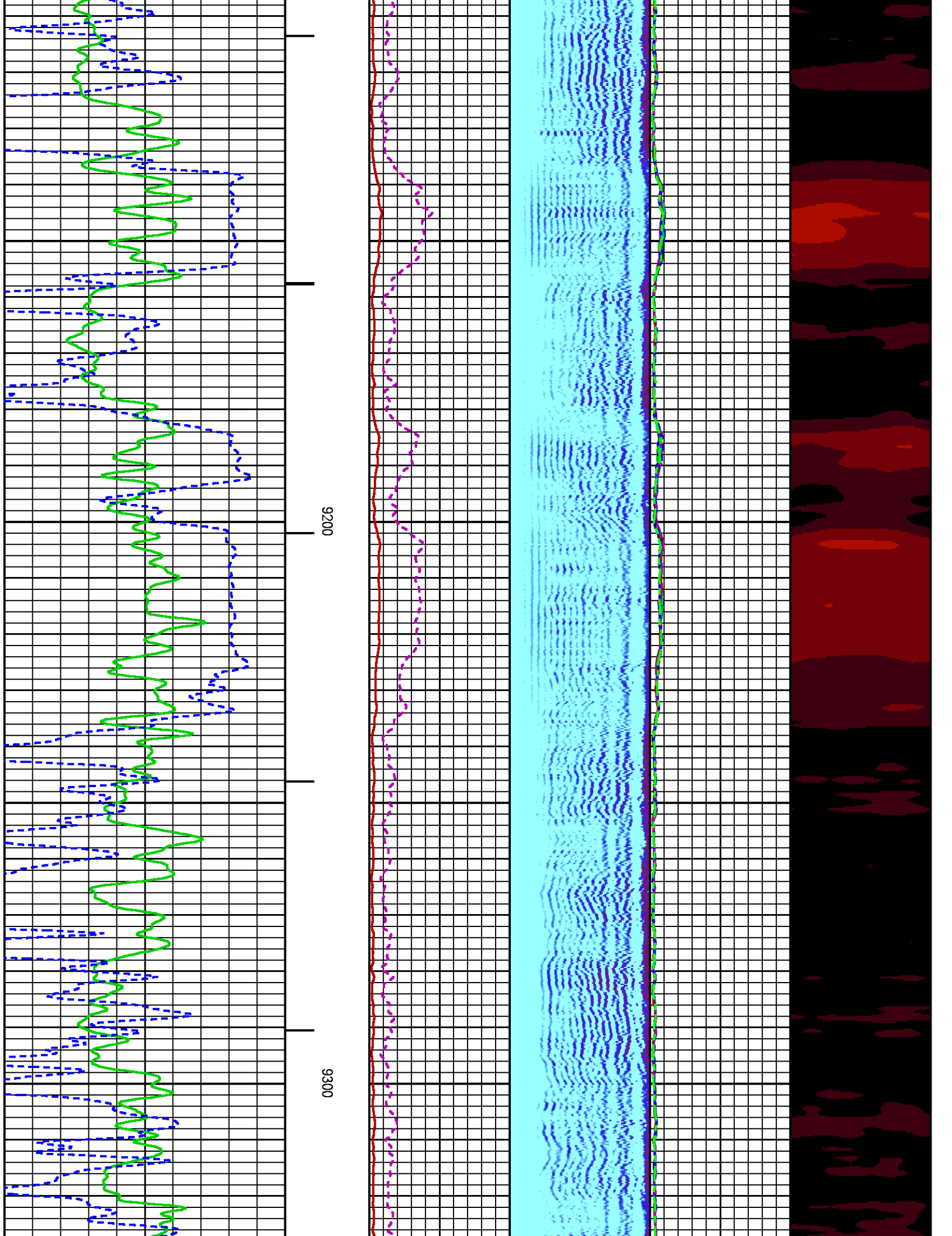


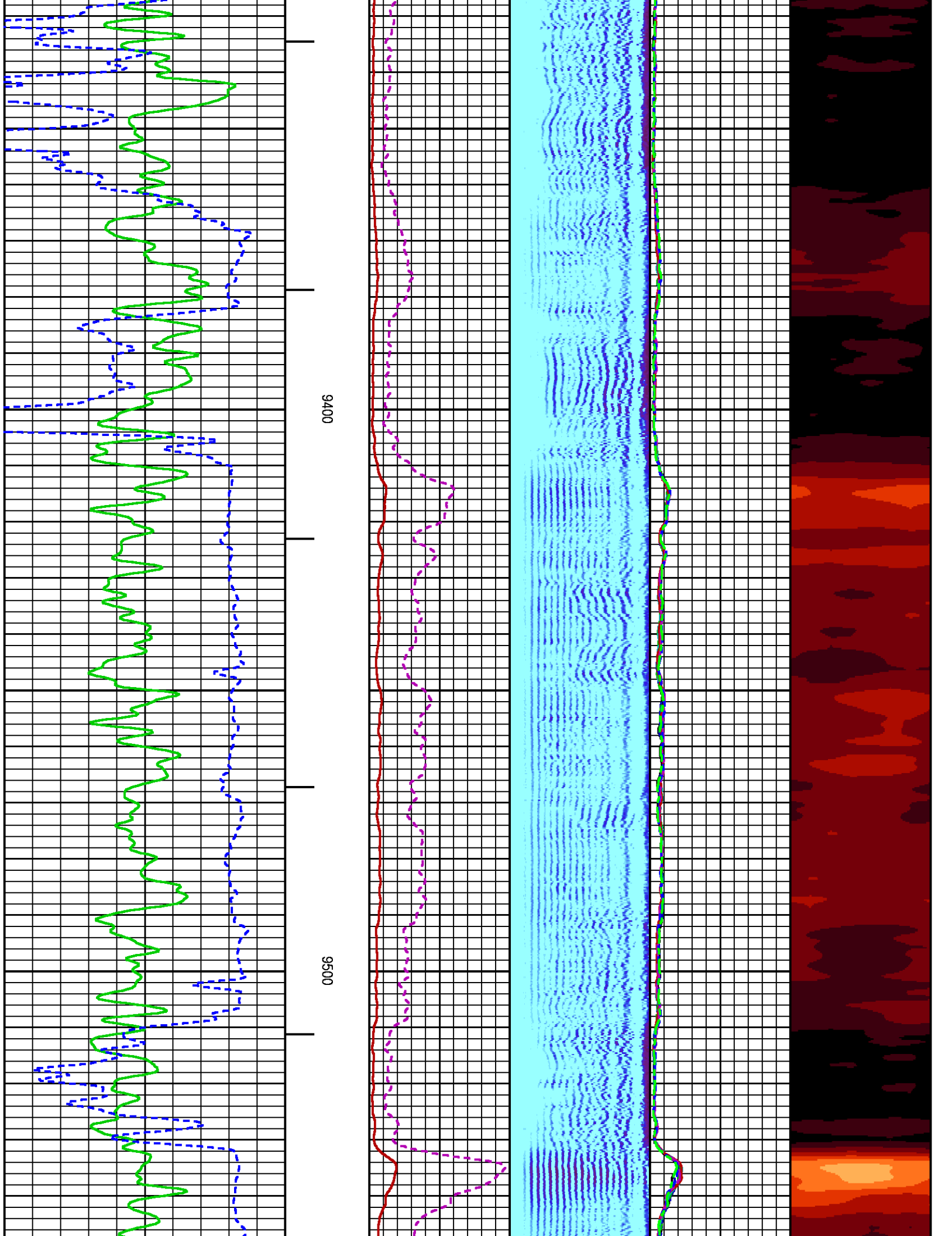


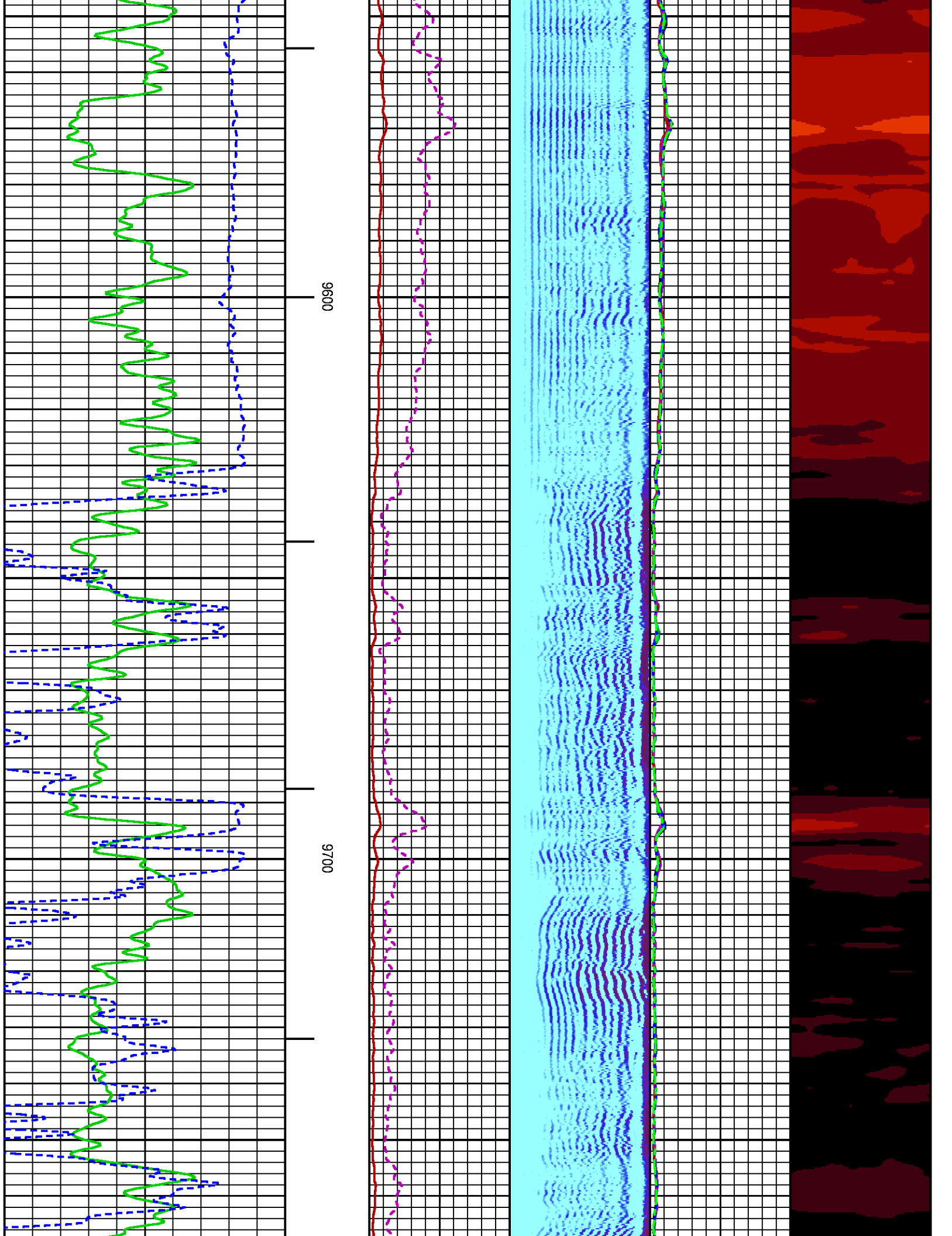


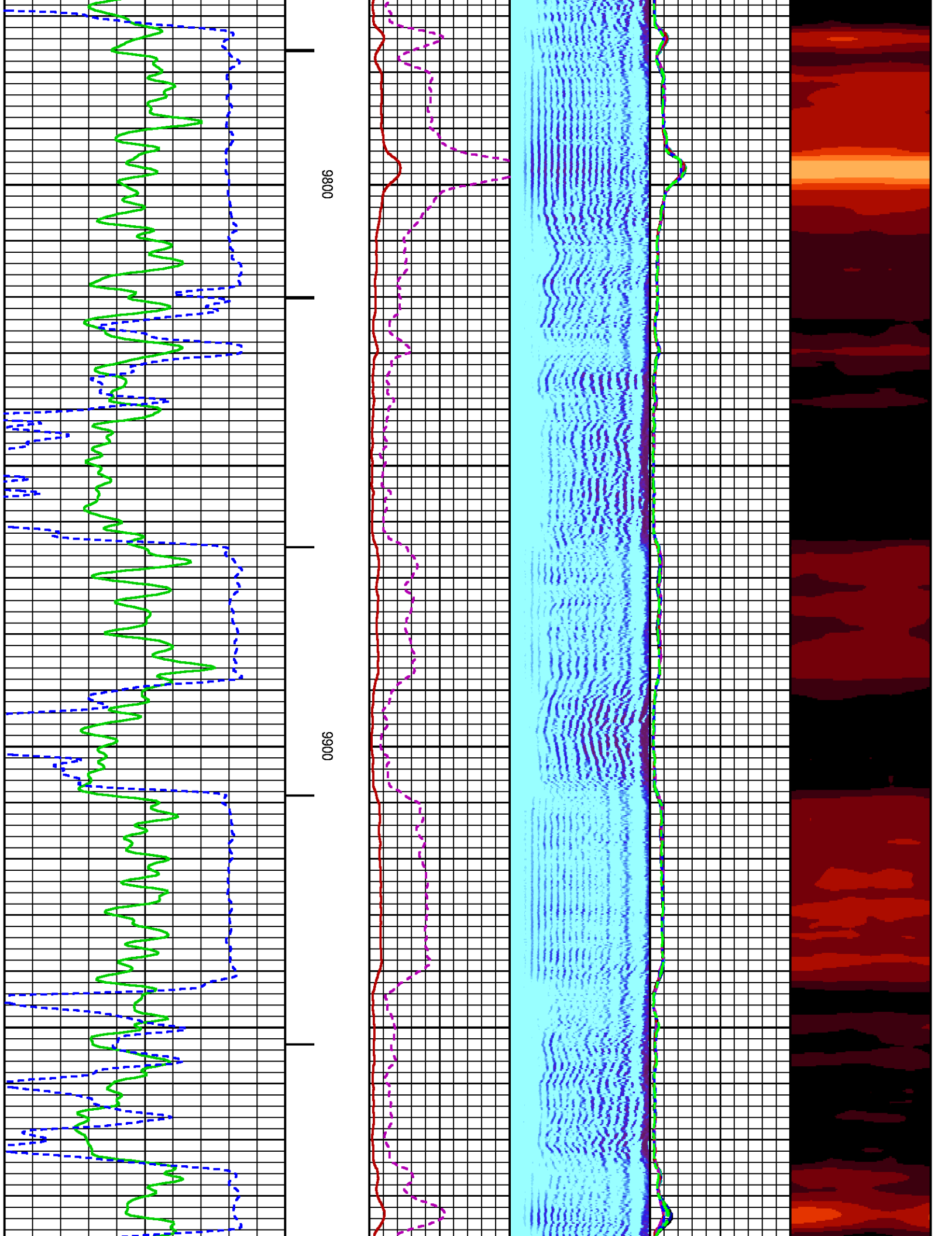


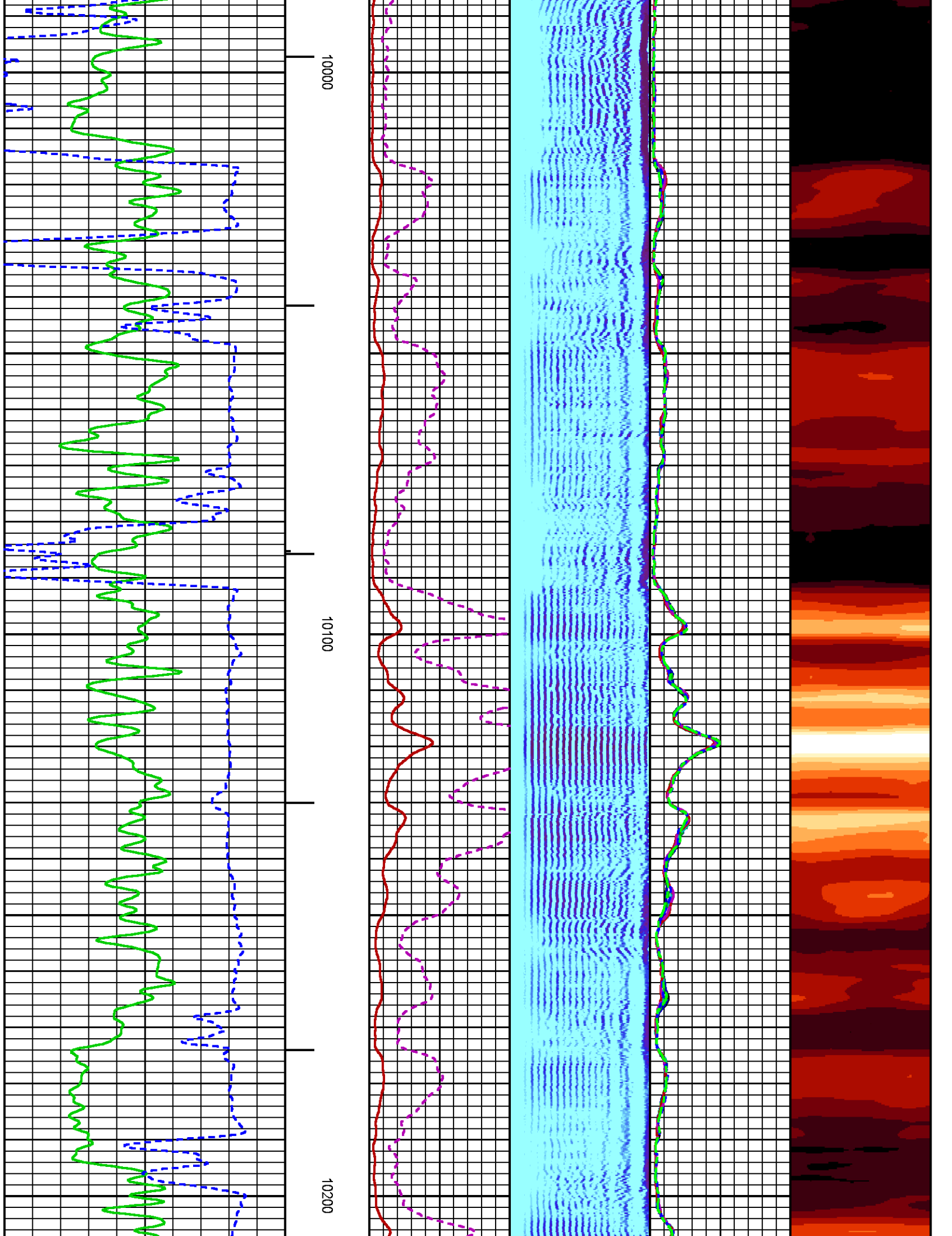


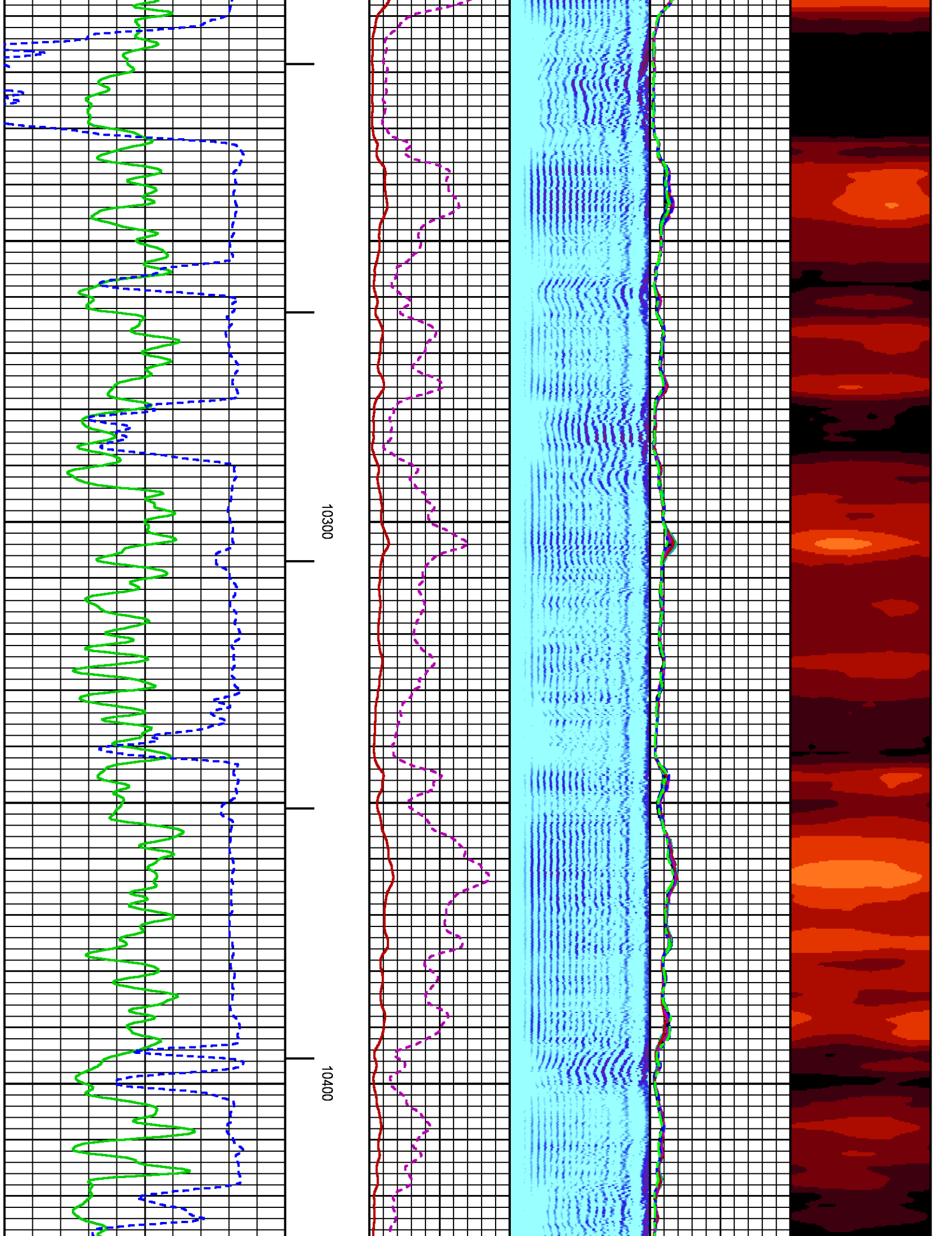


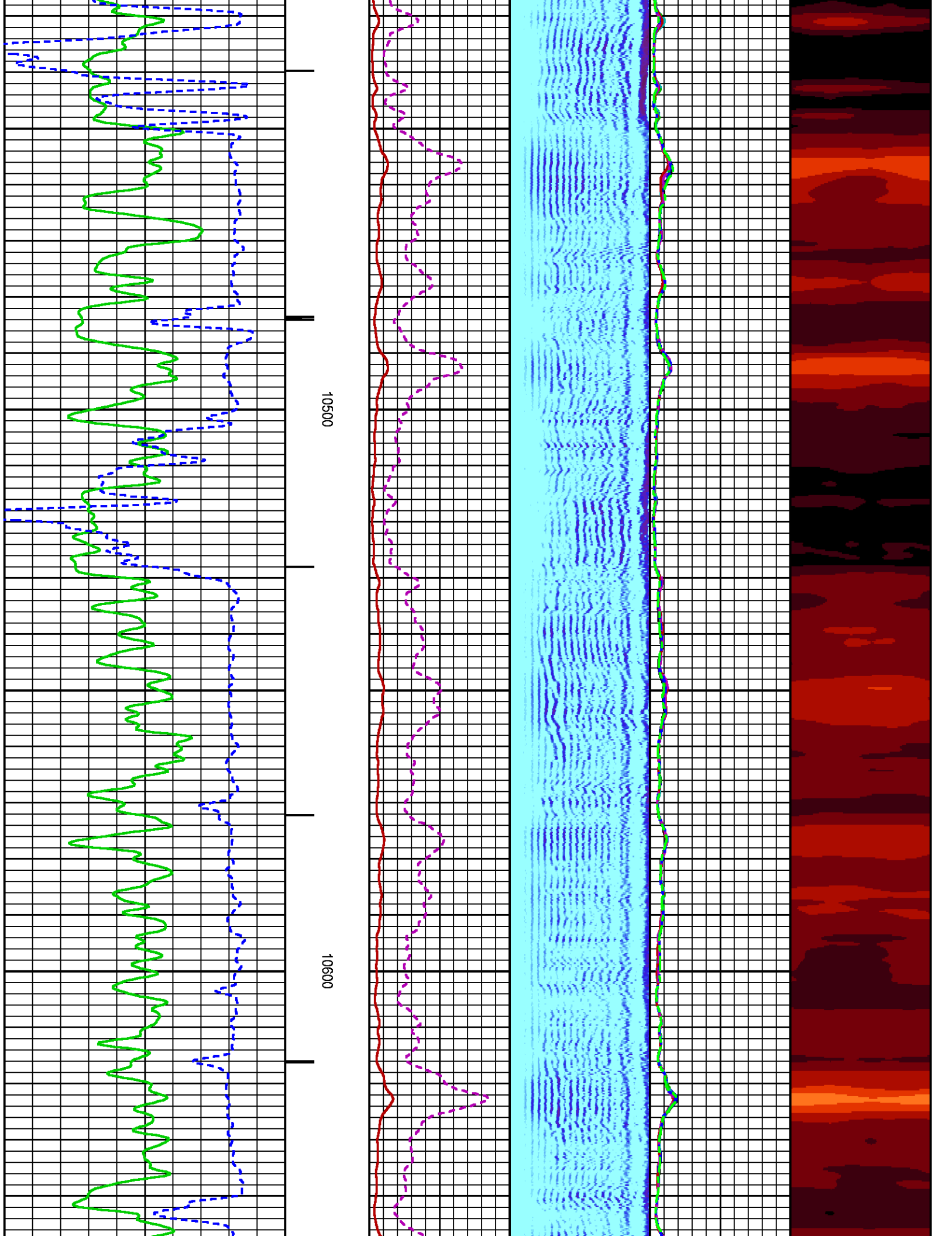


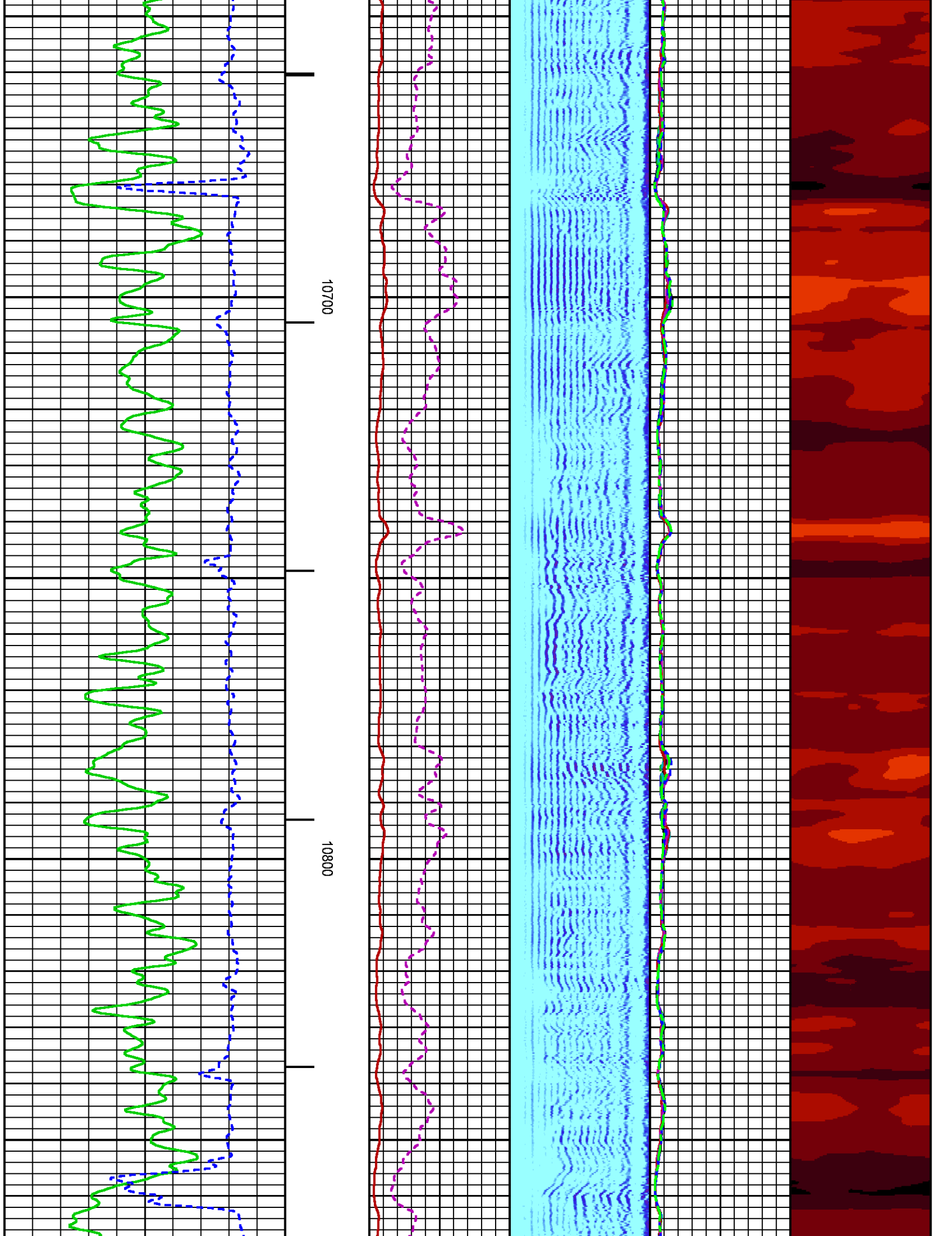


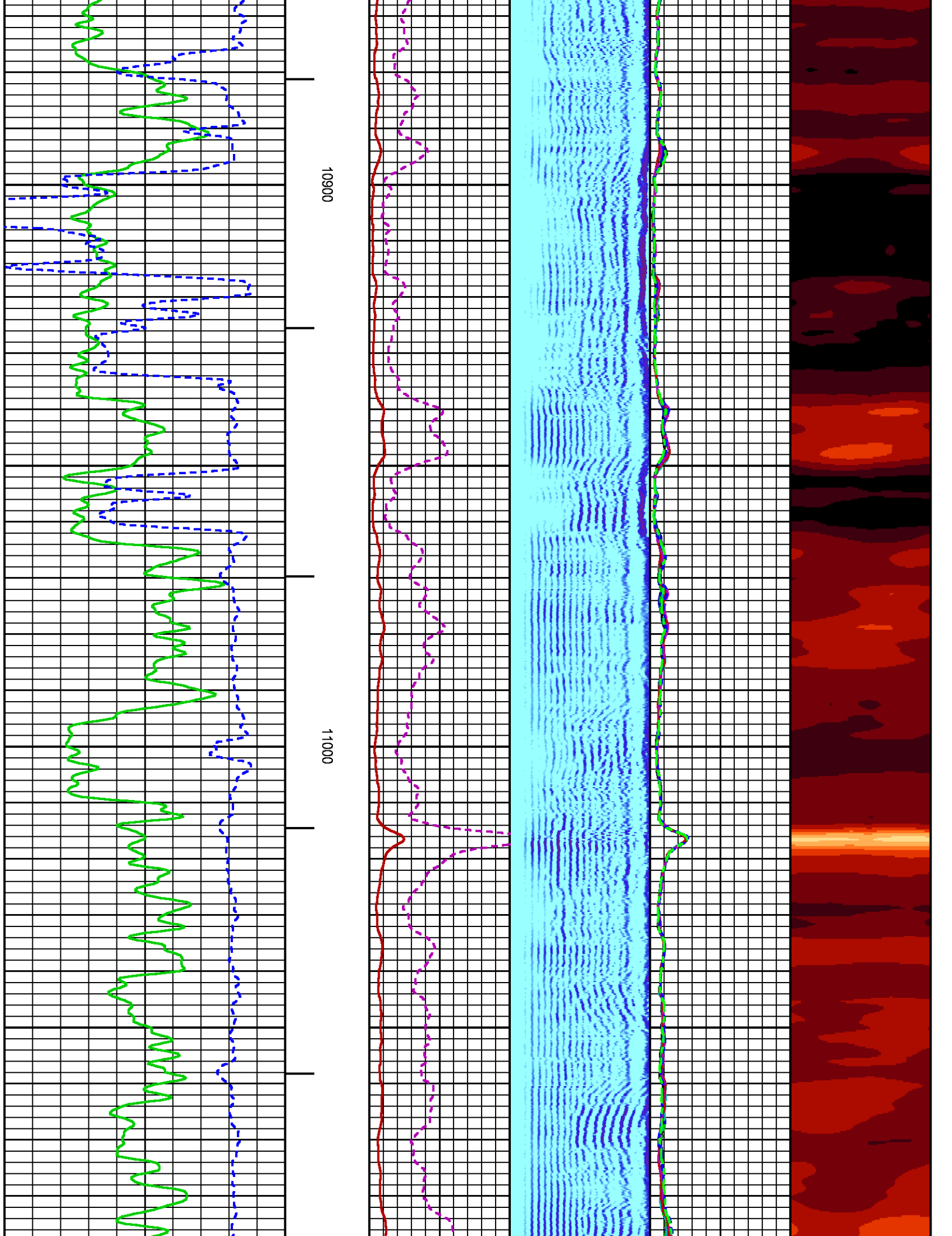


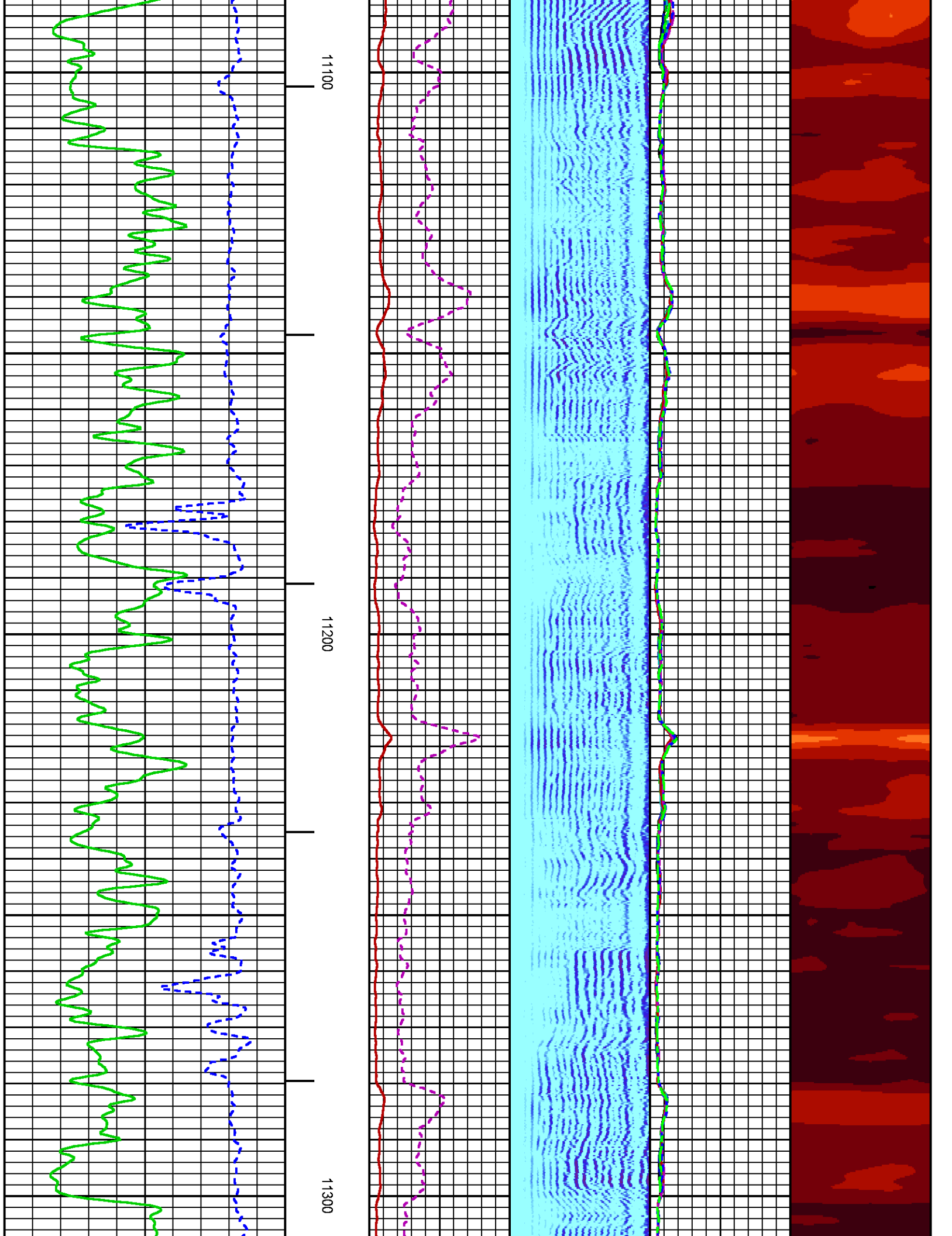


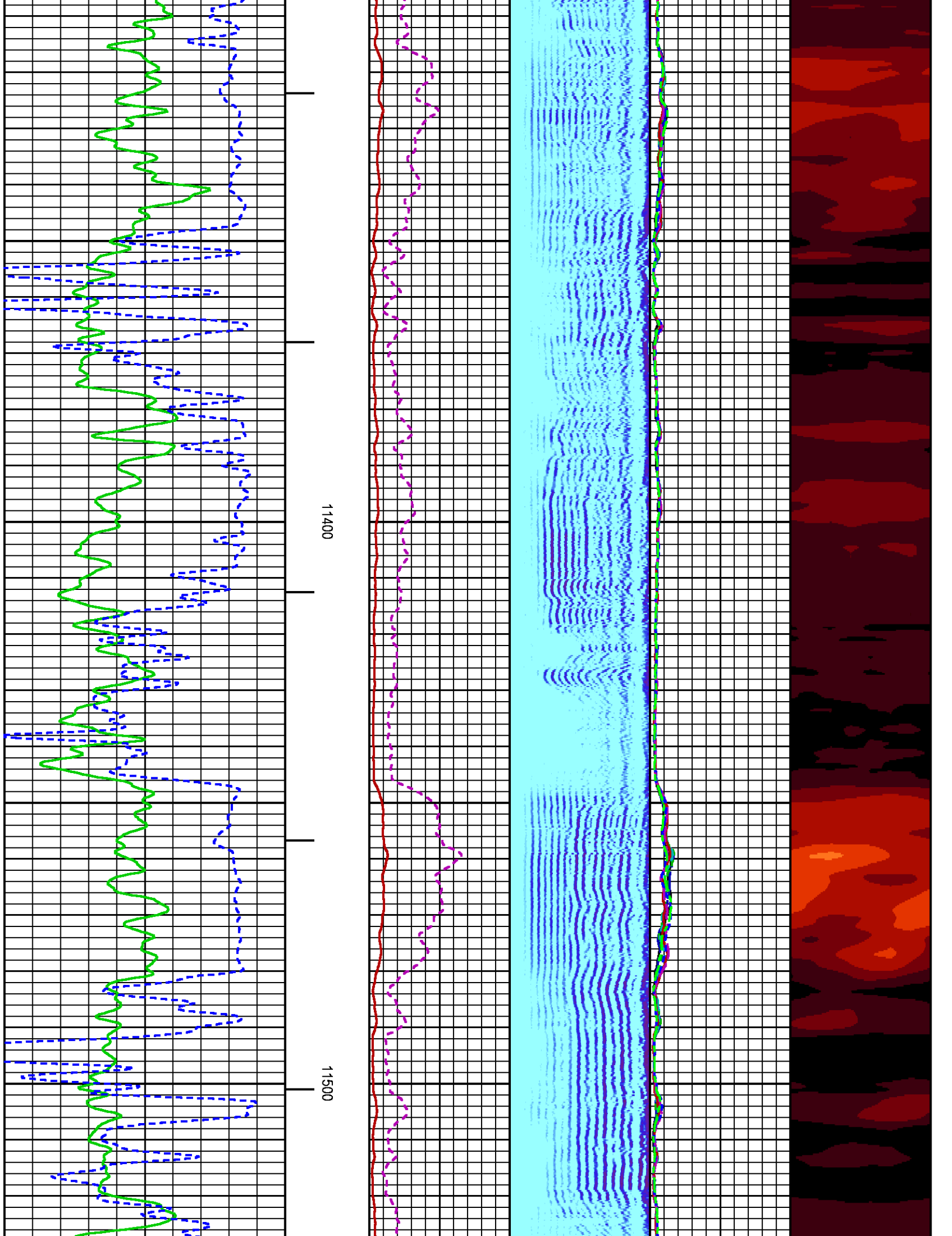


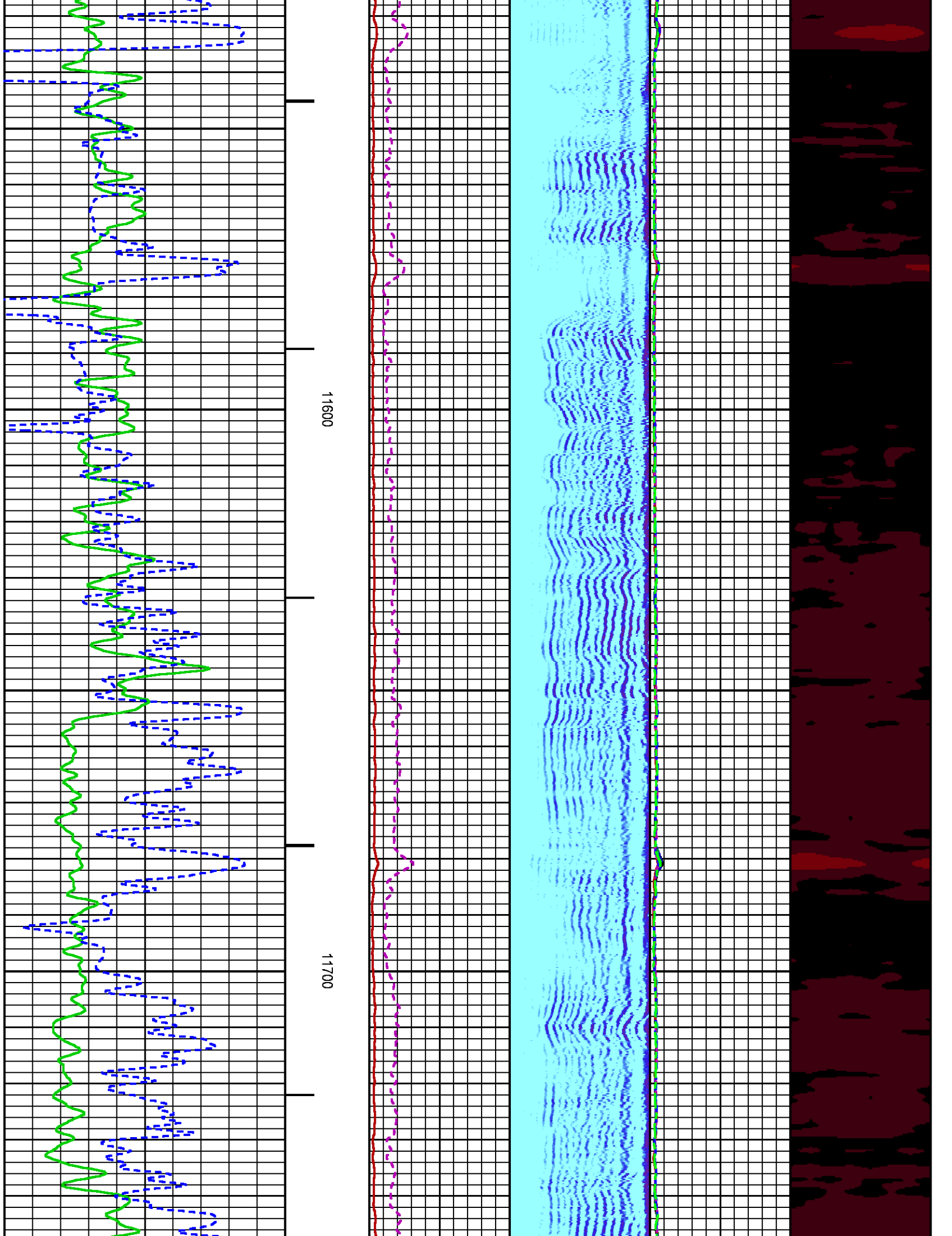


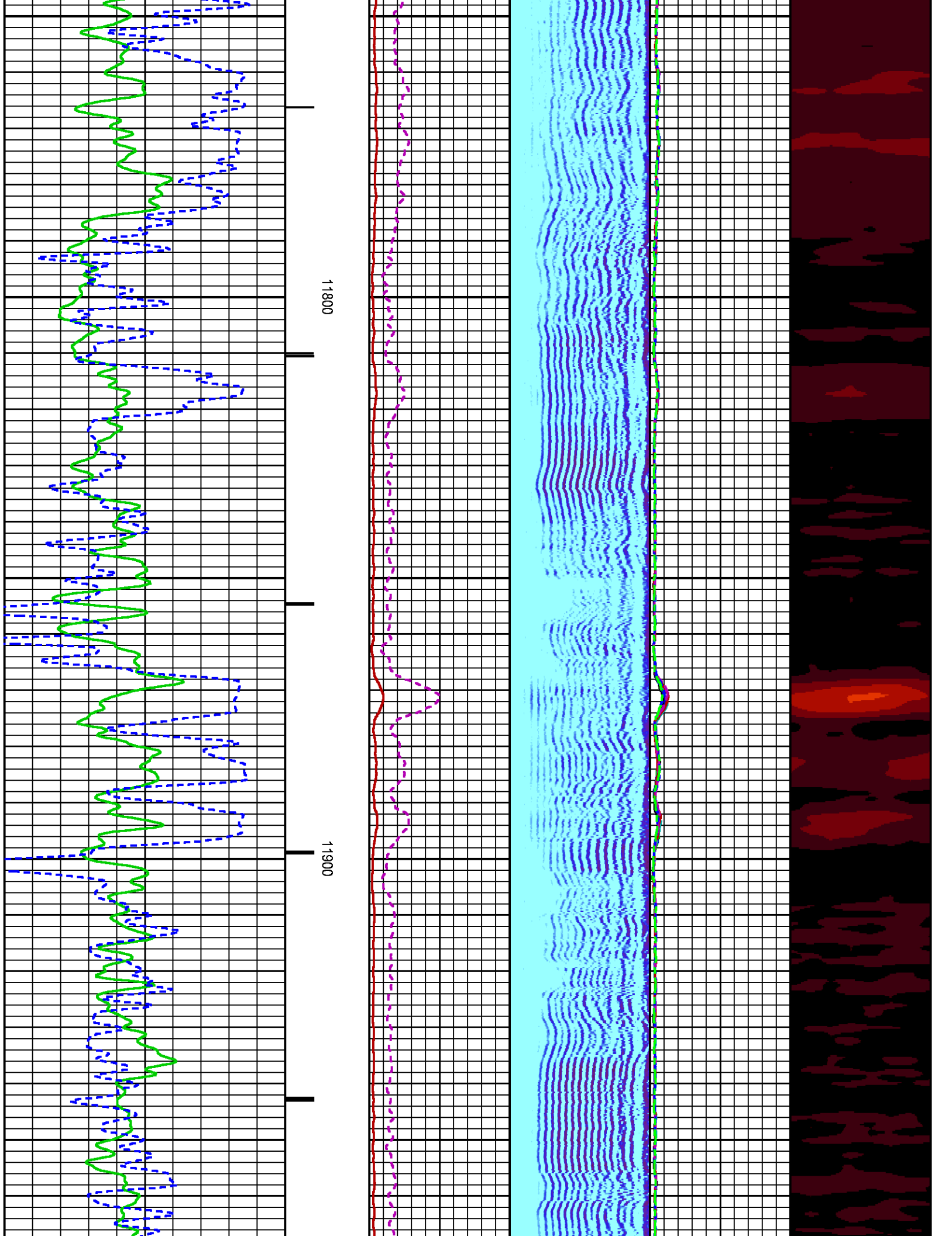


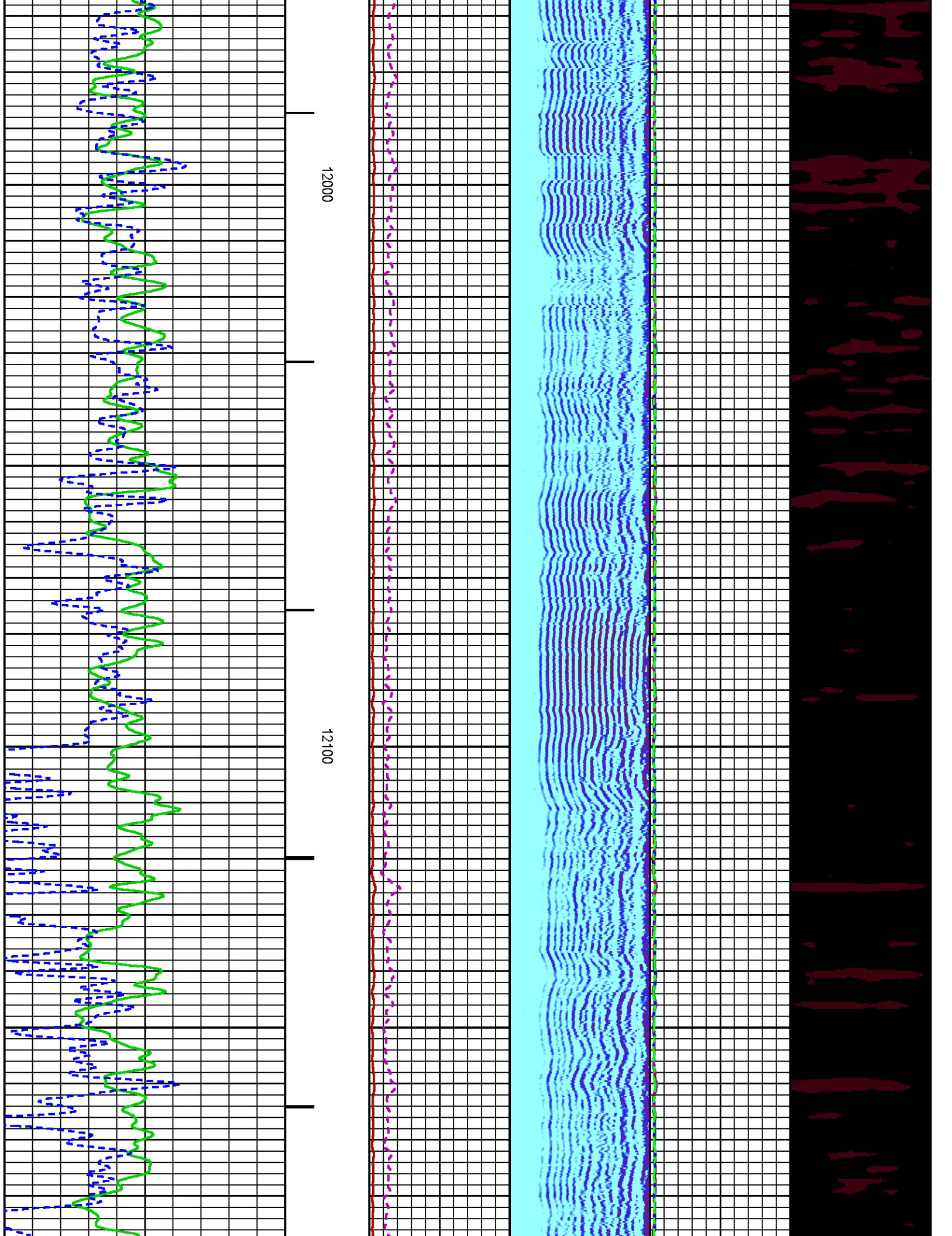


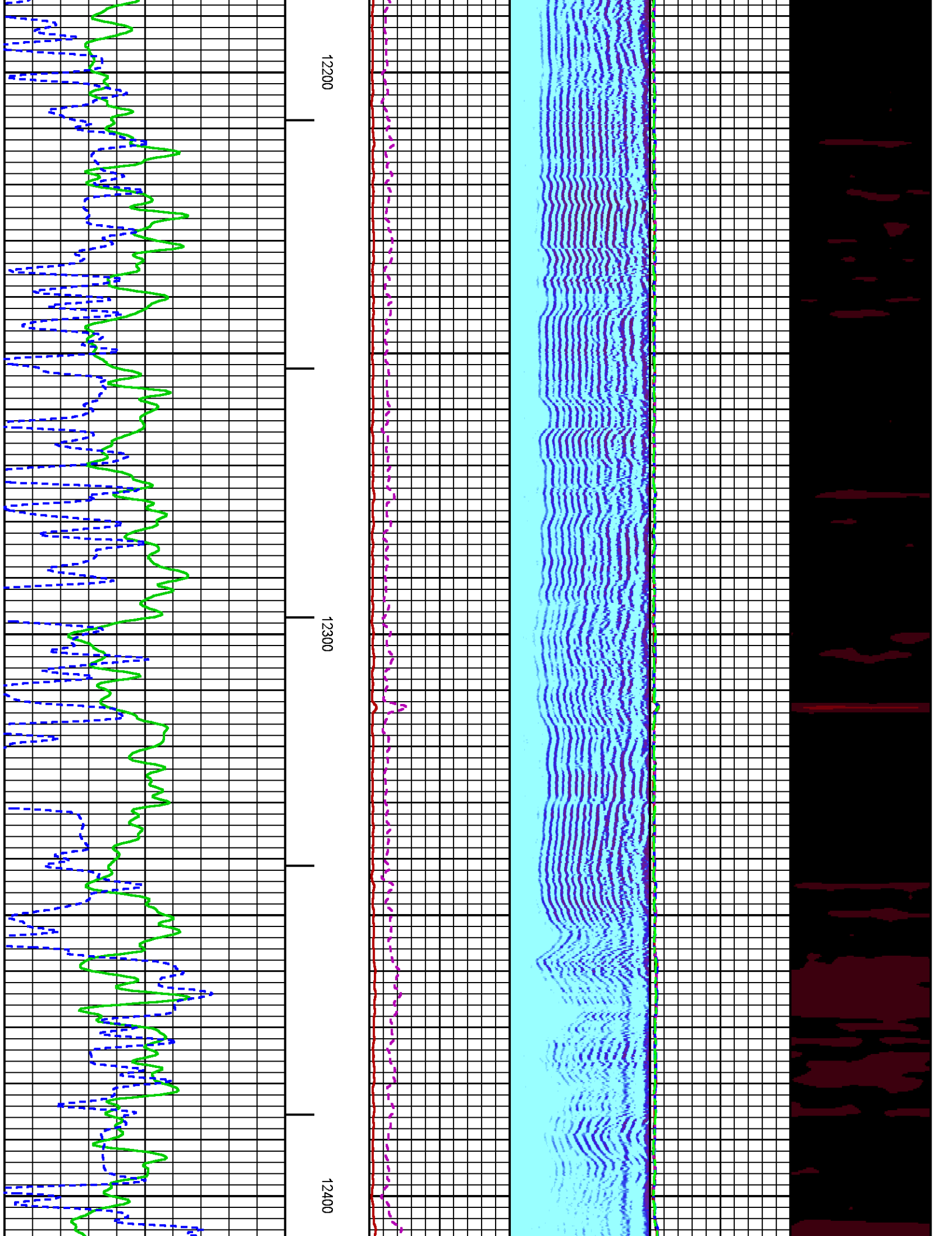


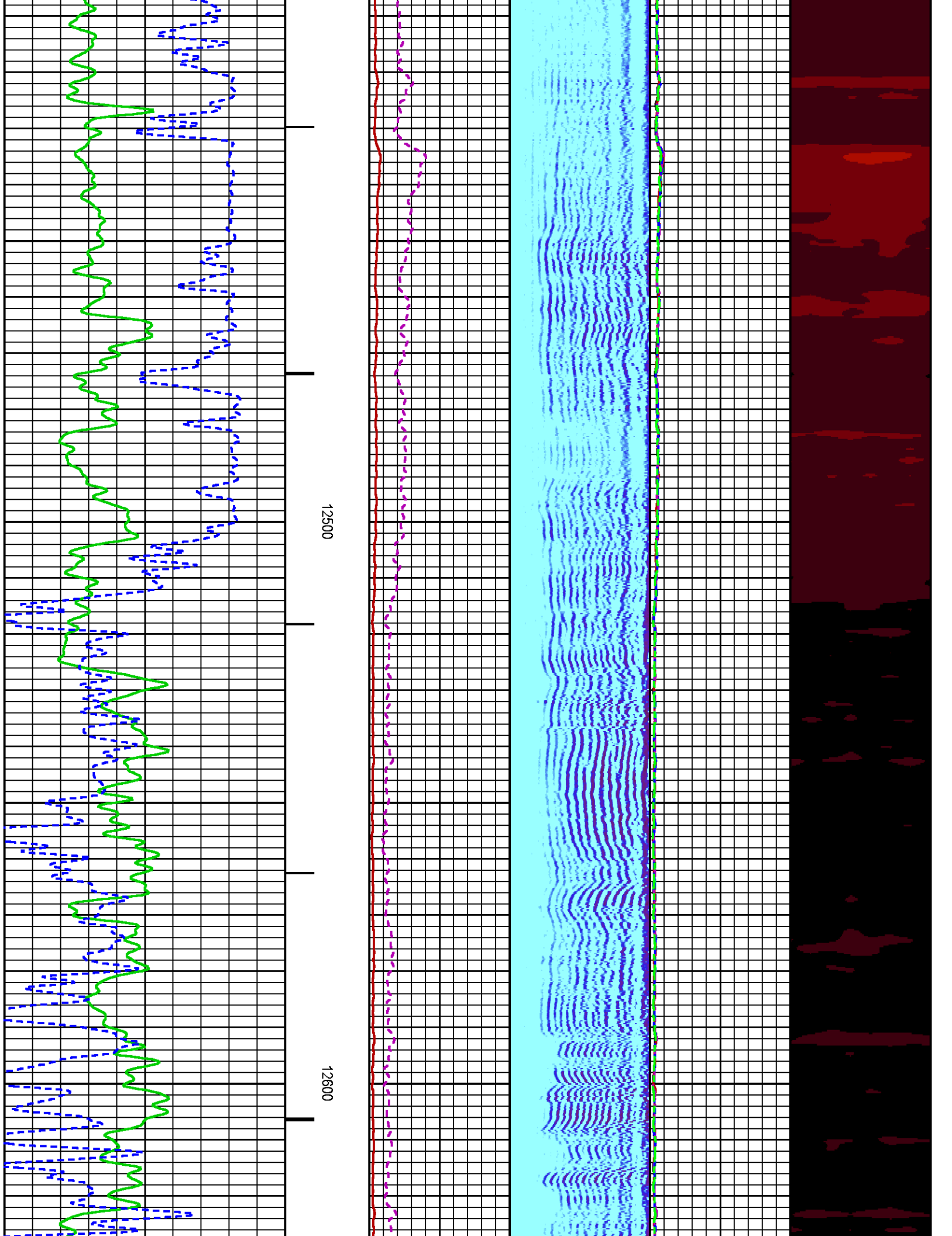


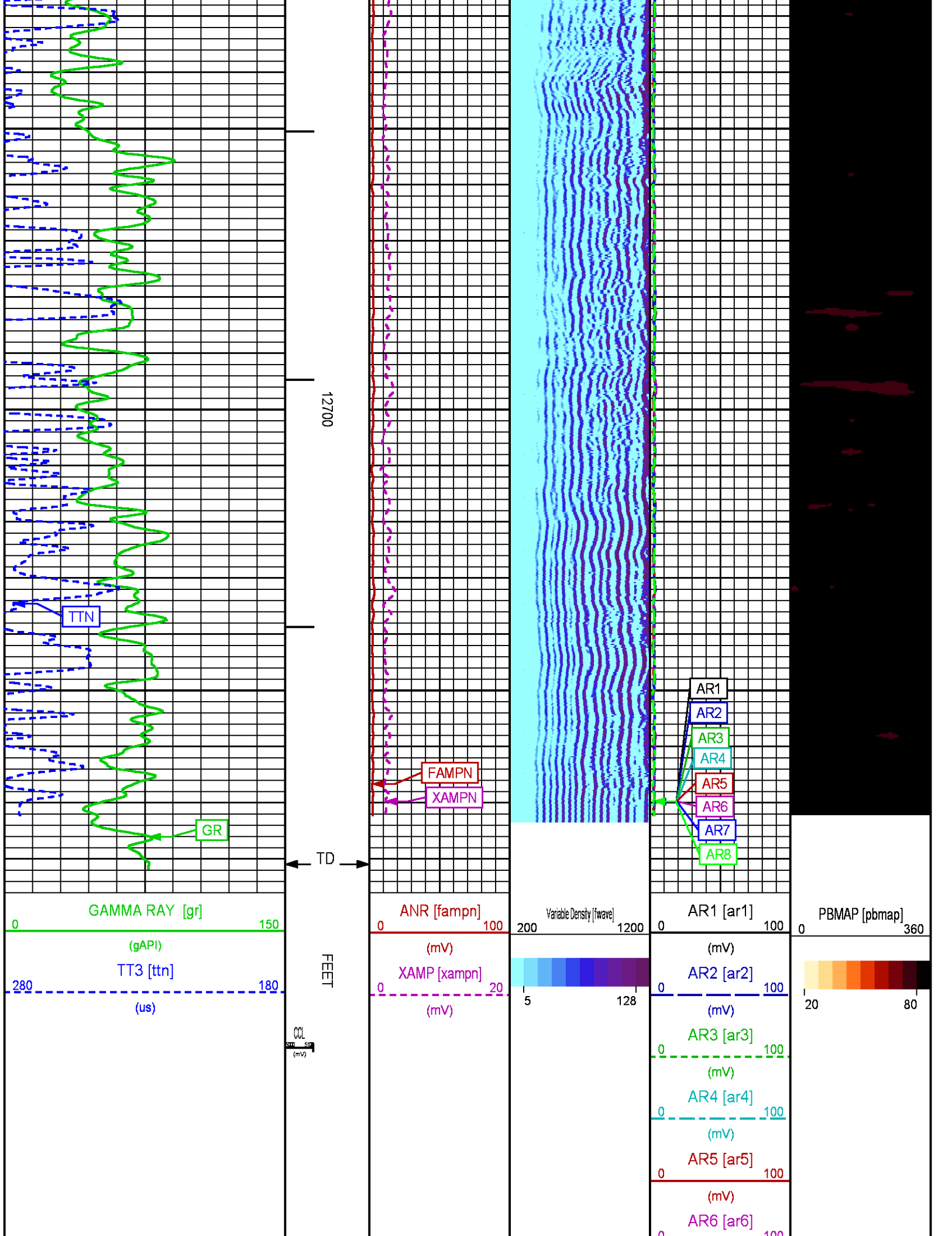


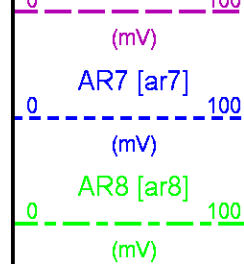












REPEAT LOG 0 PSI

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

Plotted: Sun Dec 14 18:13:39 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\091657\012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 12449.750 ft BOTTOM DEPTH: 12778.000 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*)	185	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	174	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	136	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Dec 14 10:22:57 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 14 10:22:57 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 14 10:22:57 2014	FAR WAVE FORM
F1:GR	Dec 14 10:22:57 2014	GAMMA RAY
F1:TTN	Dec 14 10:22:57 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 14 10:22:57 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

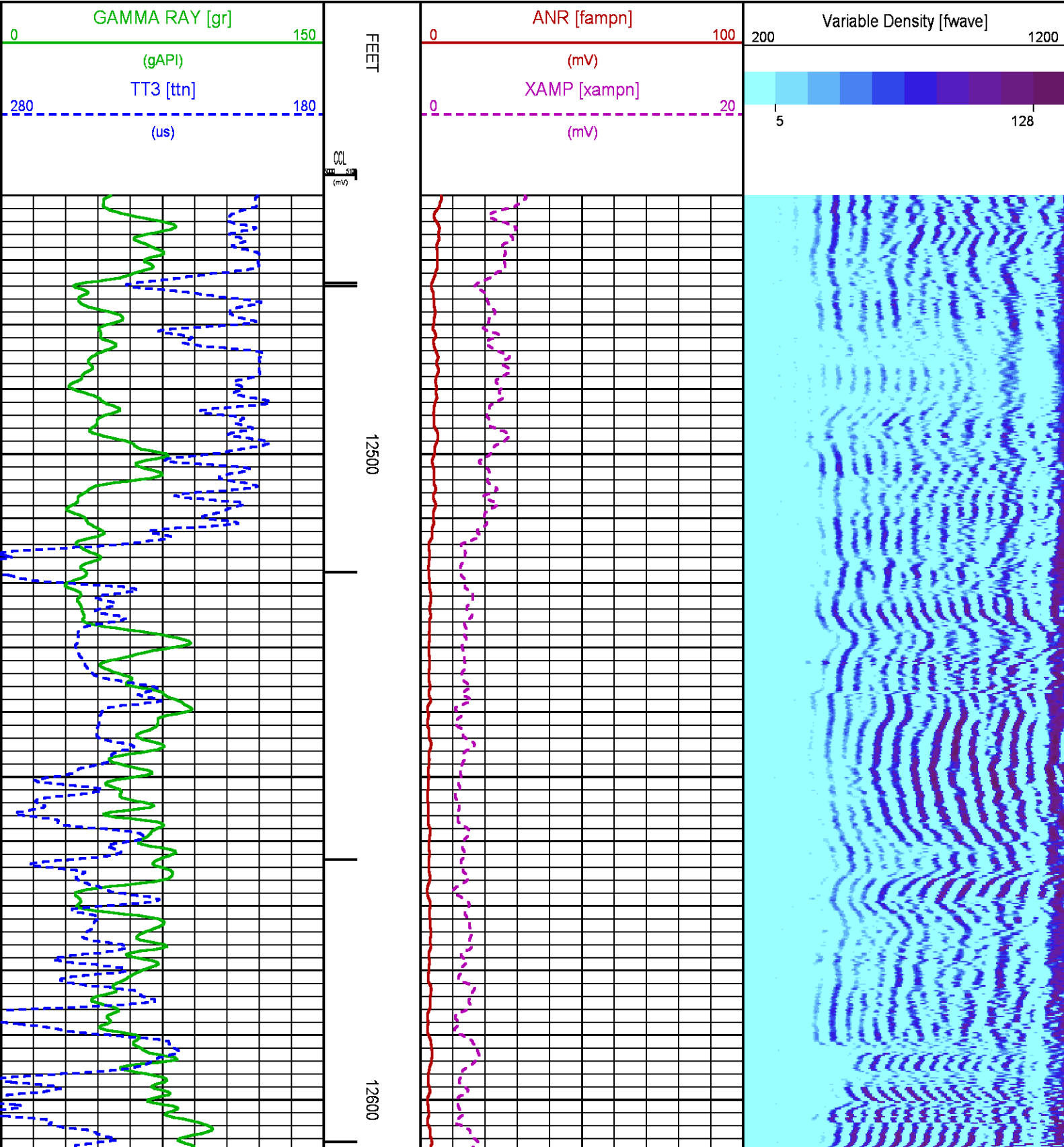
CURVE MEASURE POINT OFFSET

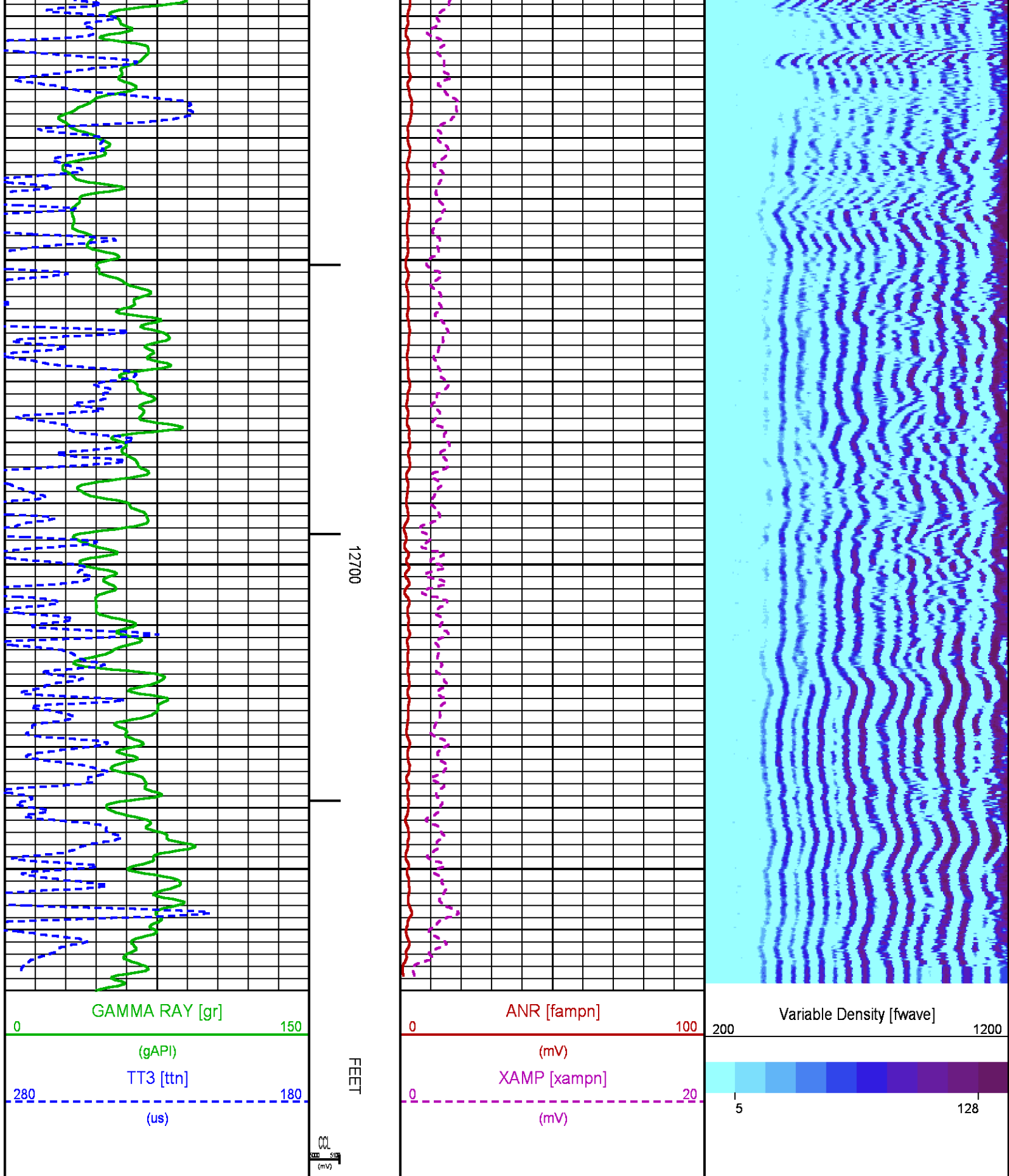
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
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CCL	5.75	GR	1.75	XAMPN	11.25	
FAMPN	11.25	TTN	11.25			

Presentation : BHUGHES-06627:C:\dat1a\091657\331CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 12460 - 12770 Feet

Data File 1 : F1 : BHUGHES-06627:C:\dat1a\091657\331CBL_REPEAT.xtf
Created On : Dec 14 10:22:57 2014
Company : WPX ENERGY
Well : FEDERAL RGU 331-26-198
Field : RIO BLANCO
File Interval : 12439.8 - 12780 Feet
OCT : n012g





CALIBRATION / VERIFICATION SUMMARY

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218496

TOOL #: 1426XA 10218496 DATE/TIME PERFORMED: Sun Dec 14 09:29:10 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)	0.12	0.14	0.11	0.15	0.14	0.08	0.06	0.08	0.08	1.14	-0.02
AMP FLUID (mV)	86	85	84	85	85	85	86	86	85	113	84
TT (us)	216	216	216	215	214	214	214	215	217	325	217
M FACTOR	1.17	1.18	1.19	1.18	1.18	1.18	1.17	1.17	1.17	1.34	1.19

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218496

TOOL #: 1426XA 10218496 DATE/TIME PERFORMED: Sun Dec 14 09:34:46 2014

TOOL #: 1426XA 10218496 DATE/TIME PERFORMED: Sun Dec 14 09:34:46 2014 DAYS SINCE CAL: 0

UNIT #: 3885TD Z004271

UNIT #: 3885TD Z004271 CABLE #: 4271LG LARGE

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	0.08	0.10	0.10	0.02	-0.02	0.02	-0.04	0.07	0.05	0.06	0.01
AMP AIR	3.06	2.89	3.06	3.13	3.51	3.01	3.17	3.08	2.85	4.83	99.55

	SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
	1.19	0.00	1.00

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 10580209

TOOL #: 1355XA 10580209 DATE/TIME PERFORMED: Fri Dec 12 13:50:38 2014

UNIT #: 3885TD Z004271

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

TOOL #: 1355XA 10580209 DATE/TIME PERFORMED: Fri Dec 12 13:55:38 2014

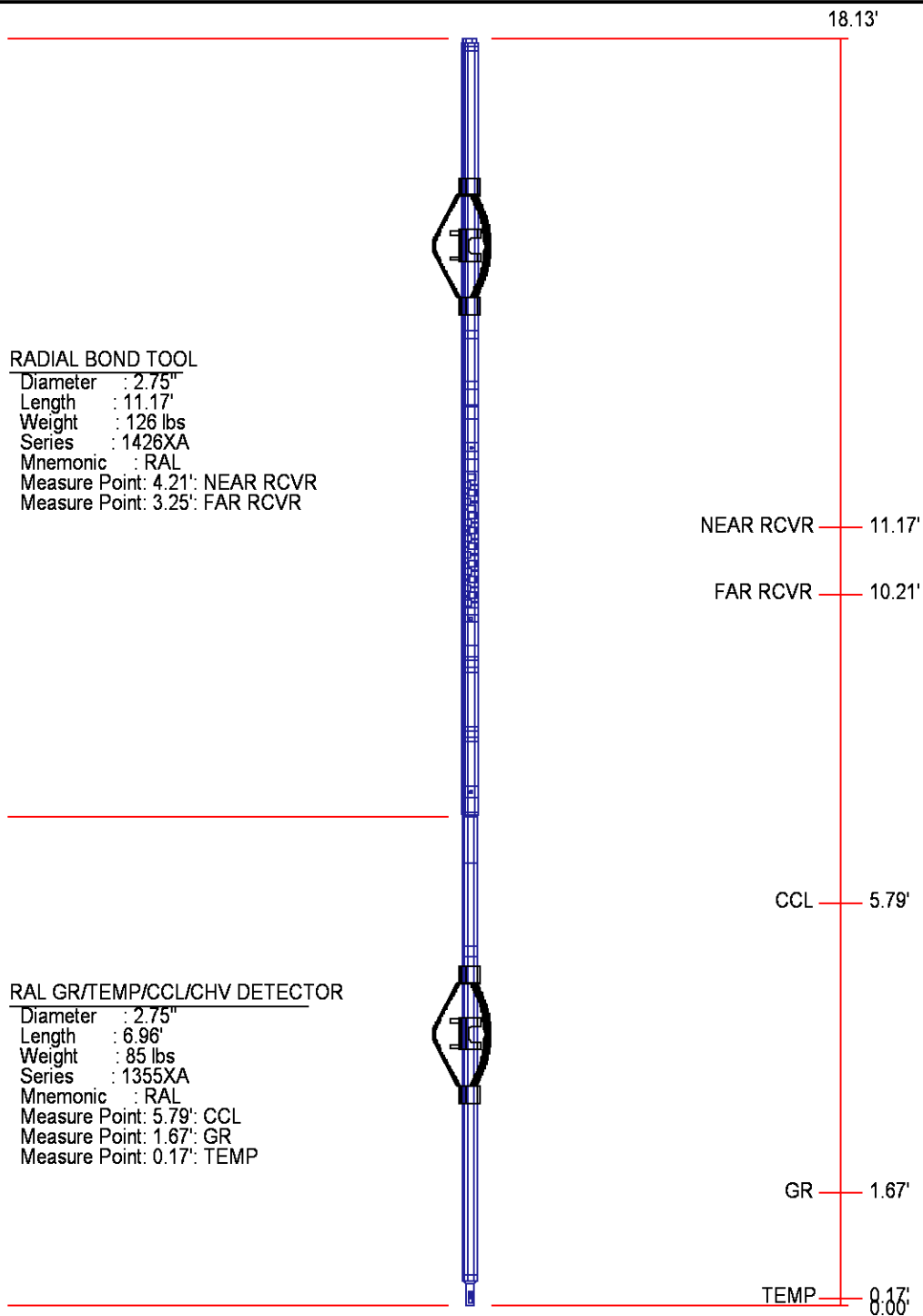
UNIT #: 3885TD Z004271

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\091657\CBL-tdg.meta



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



COMPANY
WELL
FIELD
COUNTY

WPX ENERGY
FEDERAL RGU 331-26-198
SULPHUR CREEK
RIO BLANCO STATE CO

FILE NO:
CH091657
API NO:
05103121420000

LOCATION:

ELEVATIONS:

KB 6592 FT

26 1S 98W
RGU 43-23-198



SHL: 1018' FSL & 657' FEL (23 1S 98W)
BHL: 620' FNL & 1865' FEL (26 1S 98W)

SEC 26 TWP 1S RGE 98W

RD 000277
DF
GL 6567 FT

AZTEC 1000

DATE 14-Dec-2014