



FILE NO: CH093870	COMPANY WPX ENERGY
API NO: 0504522390000	WELL FEDERAL PA 41-27
	FIELD PARACHUTE
	COUNTY GARFIELD
	STATE COLORADO

Version 27 6S 95W DOE 2-W-27 PAD NABORS 576	LOCATION: SHL: 2352' FNL & 647' FEL BHL: 974' FNL & 524' FEL SEC 27 TWP 6S RGE 95W	OTHER SERVICES
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB	ELEVATION 26 FT ABOVE P.D.	ELEVATIONS: KB 5882 FT DF GL 5856 FT
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DATE	9-Jan-2015
RUN	1
TRIP	1
SERVICE ORDER	US093870
DEPTH DRILLER	8679 FT
DEPTH LOGGER	8641 FT
BOTTOM LOGGED INTERVAL	8631 FT
TOP LOGGED INTERVAL	26 FT
TIME STARTED	0730
TIME FINISHED	1100
OPERATOR RIG TIME	3.5 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	71 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	65 FMIN
MAX. RECORDED TEMP.	245 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	4271
LOCATION	GRAND JCT.
RECORDED BY	FLOYD RENEAU
WITNESSED BY	JEFF DUCY

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	2942 FT
8.75 IN	2942 FT	8721 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			26 FT	2942 FT
4.5 IN	11.6 LB/F	I-80	26 FT	8721 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 open hole log dated 9/13/2014 at the clients request.
The amount of linear shift is +3 feet.
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.
Logged with Zero PSI at wellhead.

BHT = 245 degF

SJ = 5195'- 5217'

Thanks you for choosing Baker-Hughes.

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10218496	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: Fri Jan 09 13:31:49 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093870\012g02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 29.000 ft BOTTOM DEPTH: 8638.758 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

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

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	186	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	195	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	215.678	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-70	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	140	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jan 9 12:23:04 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 9 12:23:05 2015	FAR WAVE FORM
F1:GR	Jan 9 12:23:05 2015	GAMMA RAY
F1:TTN	Jan 9 12:23:05 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 9 12:23:05 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

Plot Interval

: BHUGHES-06627:C:\dat1a\093870\41_CBL_PRIMARY.fvpdf [5"/100' Scale]

Data File 1

Created On

Company

Well

Field

File Interval

OCT

: F1 : BHUGHES-06627:C:\dat1a\093870\41_CBL_MAIN.xtf

: Jan 9 12:23:04 2015

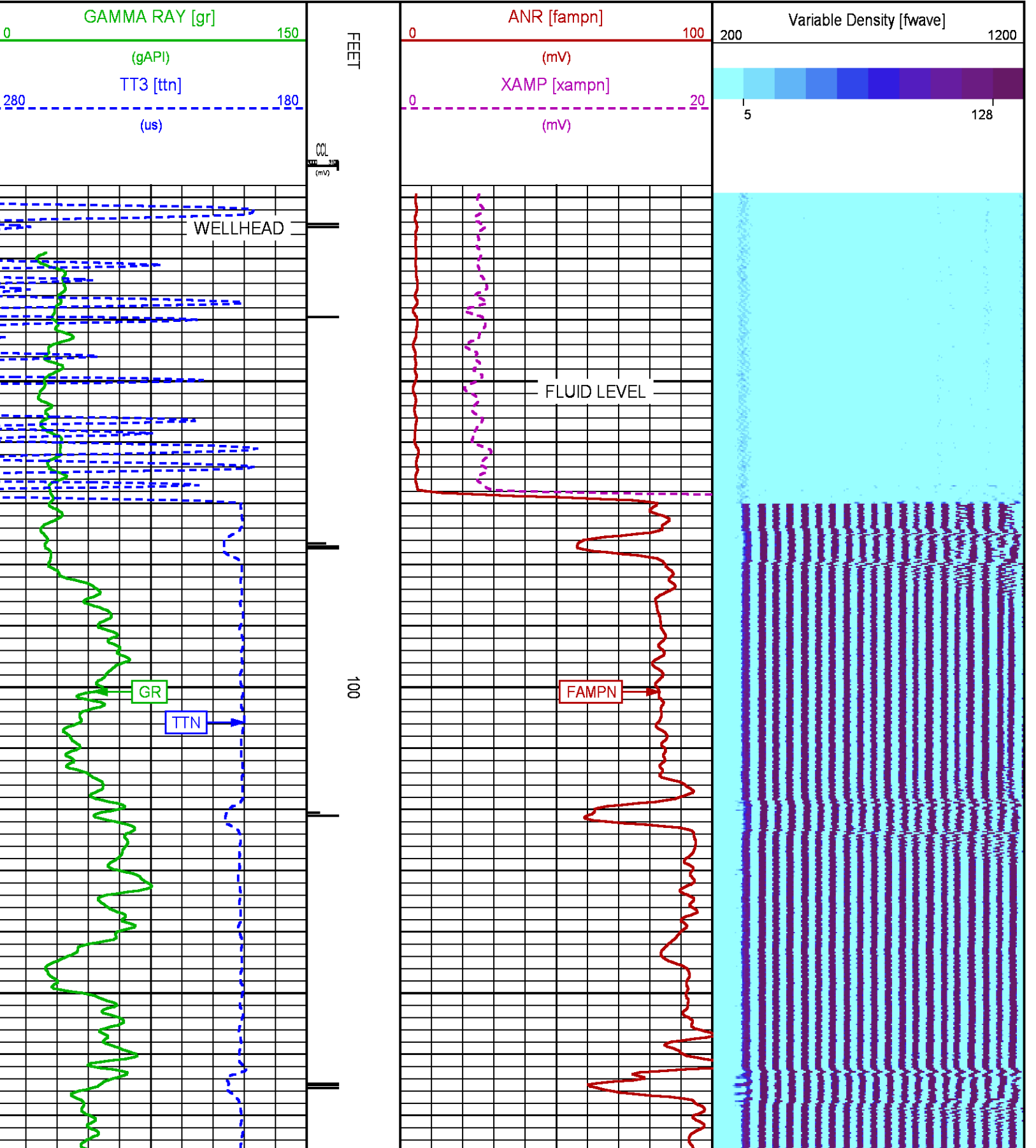
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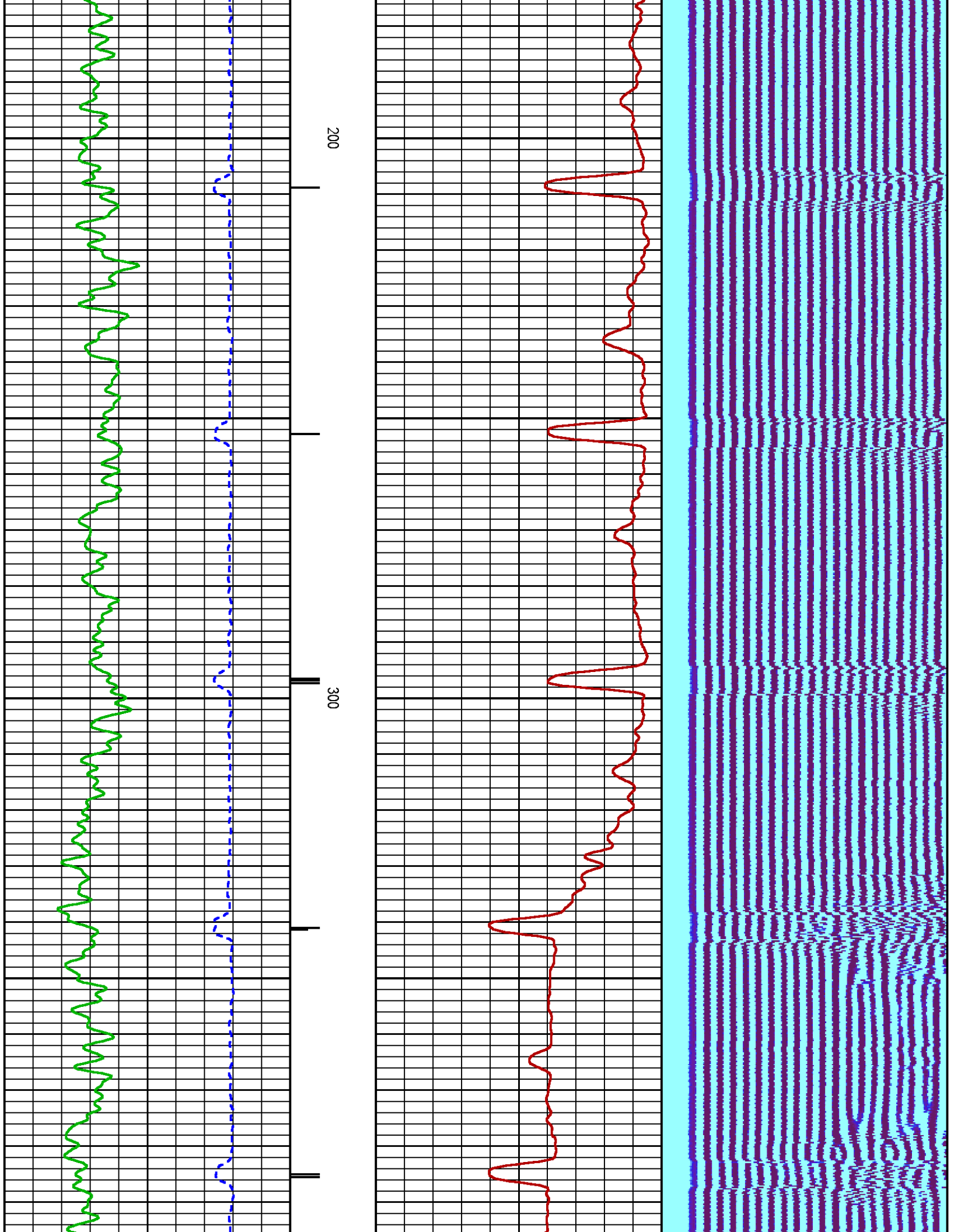
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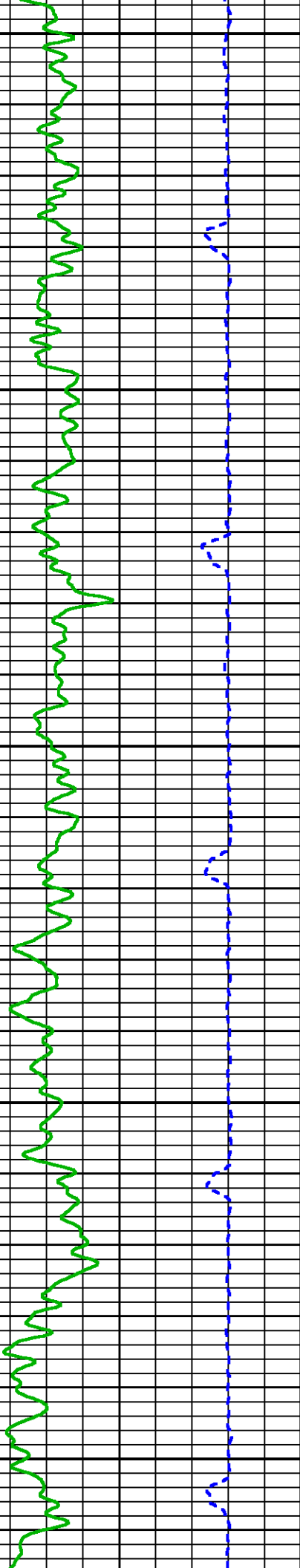
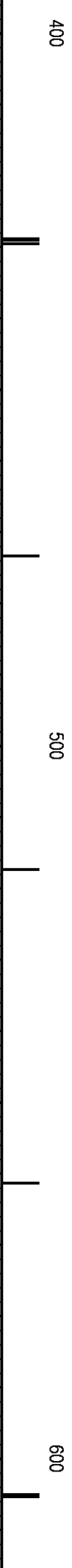
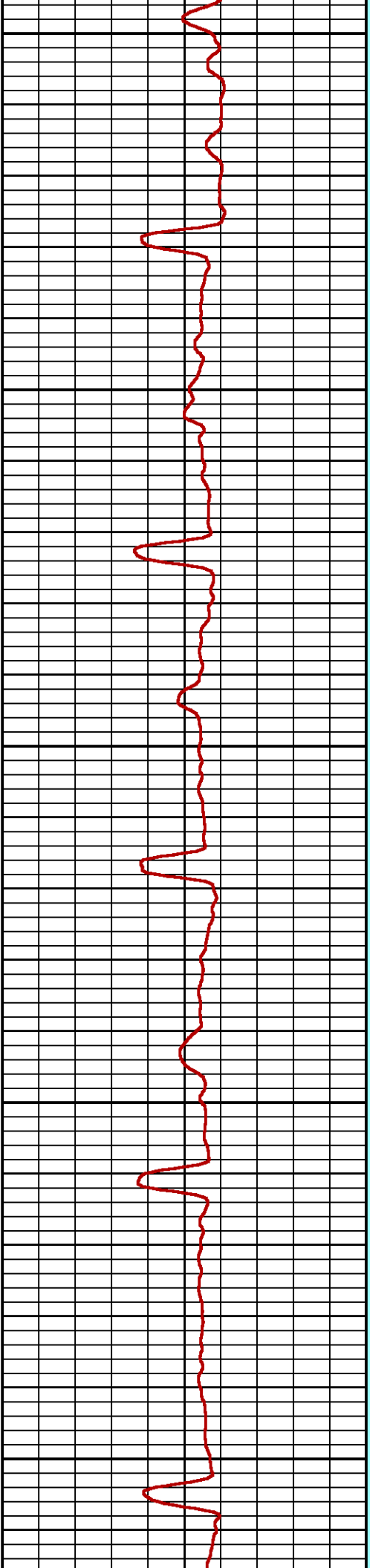
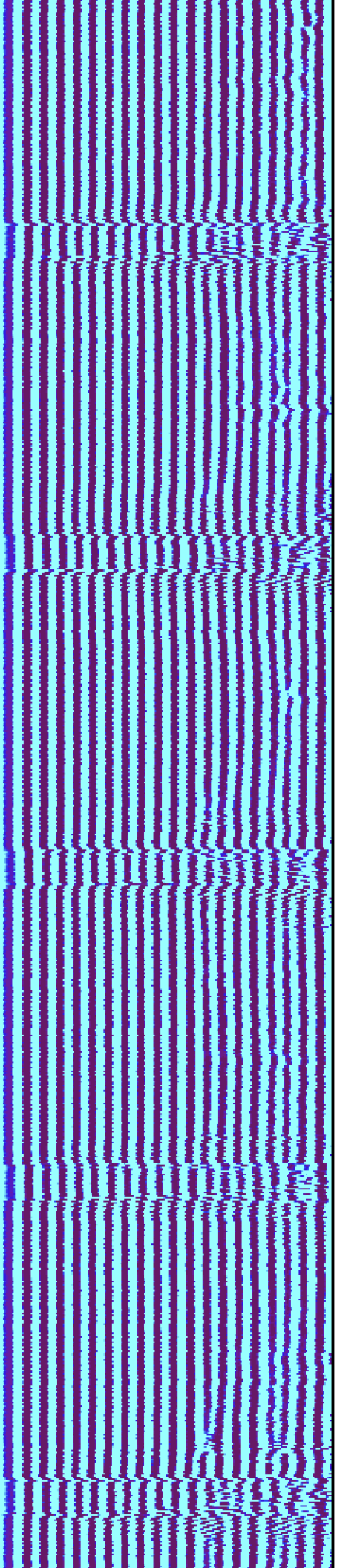
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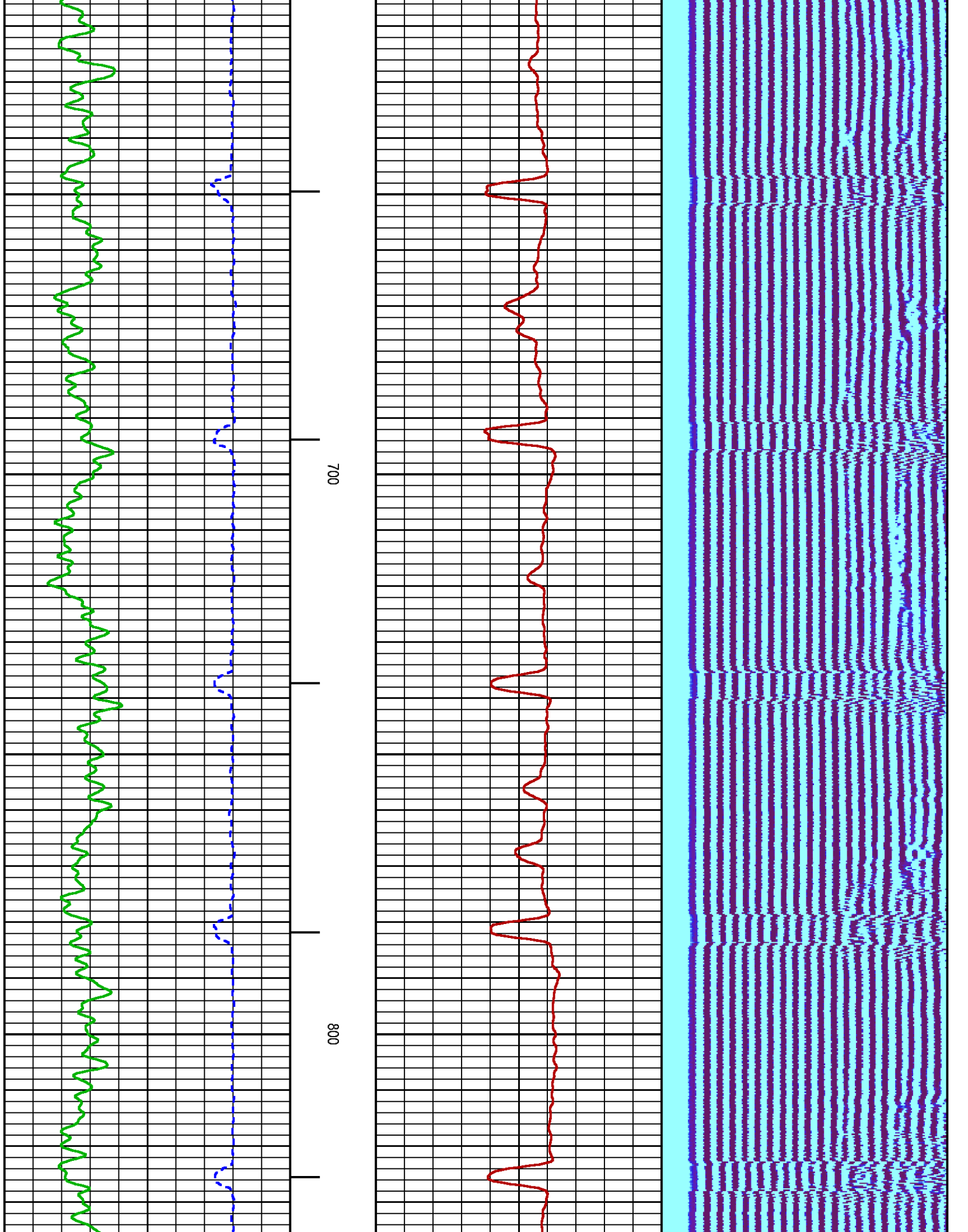
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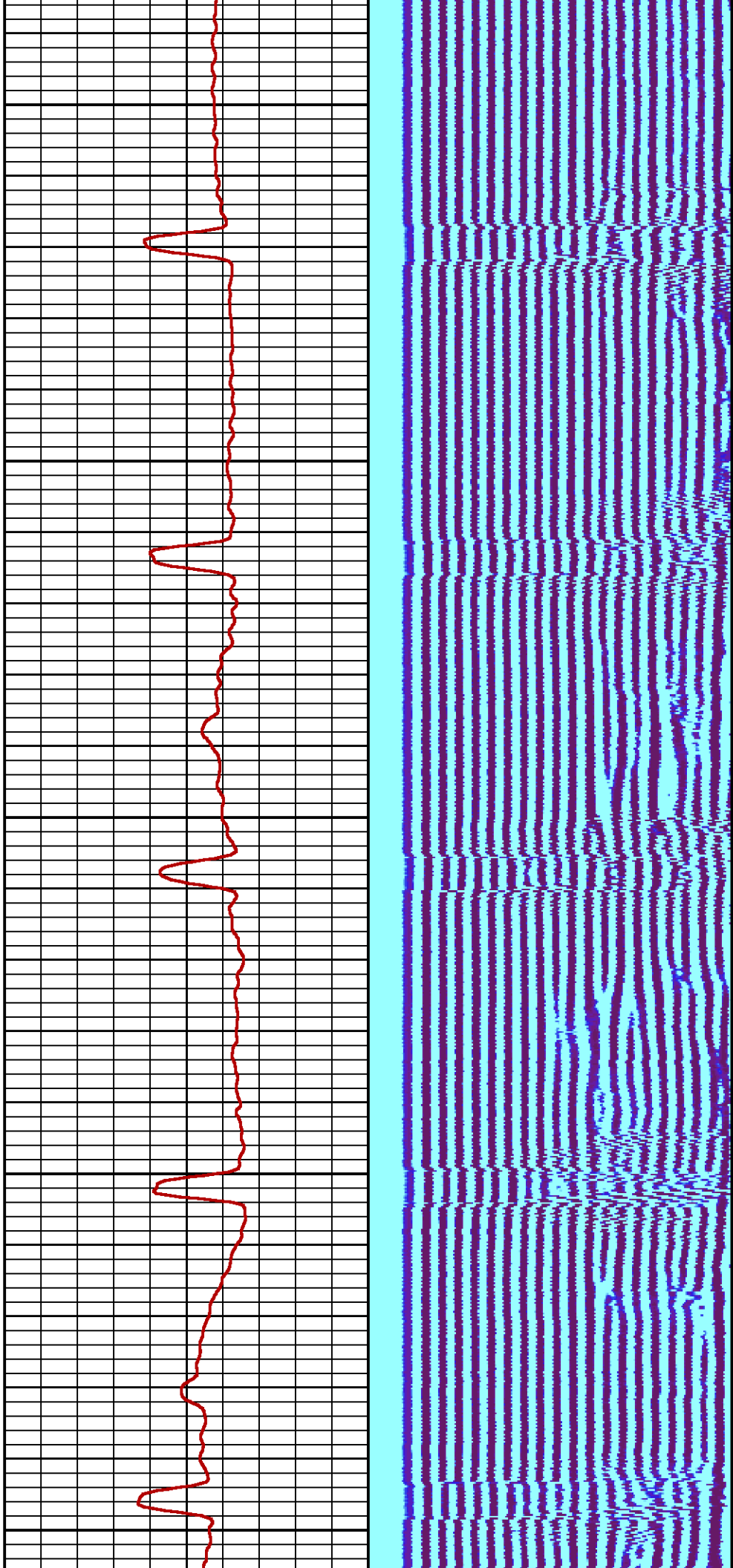
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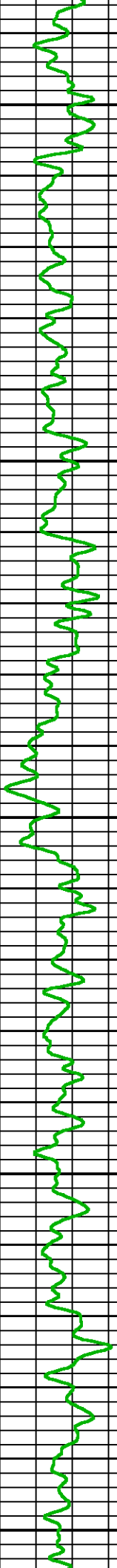


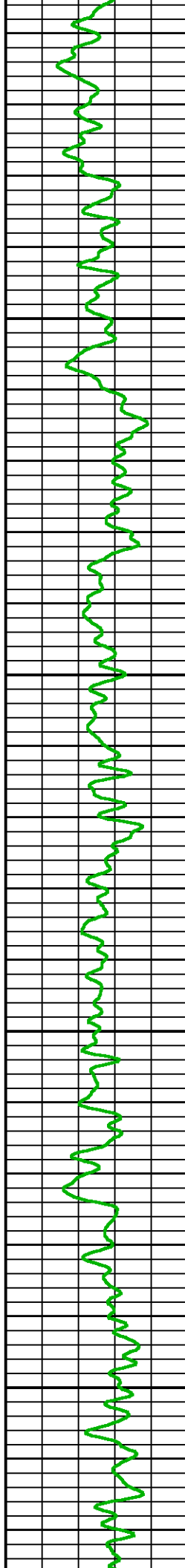
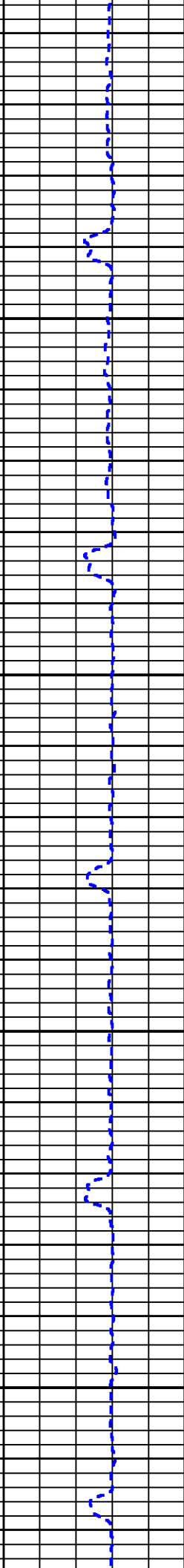
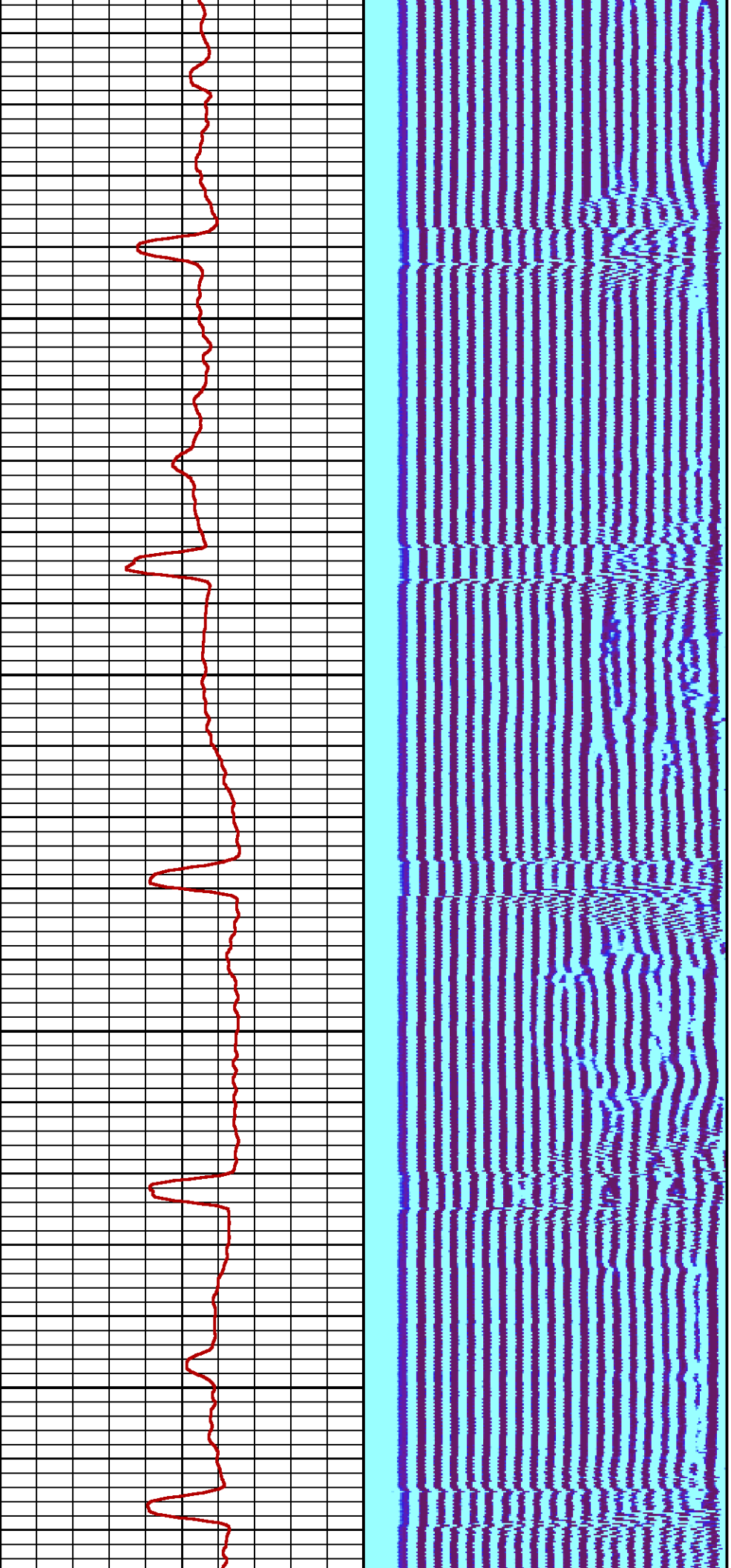


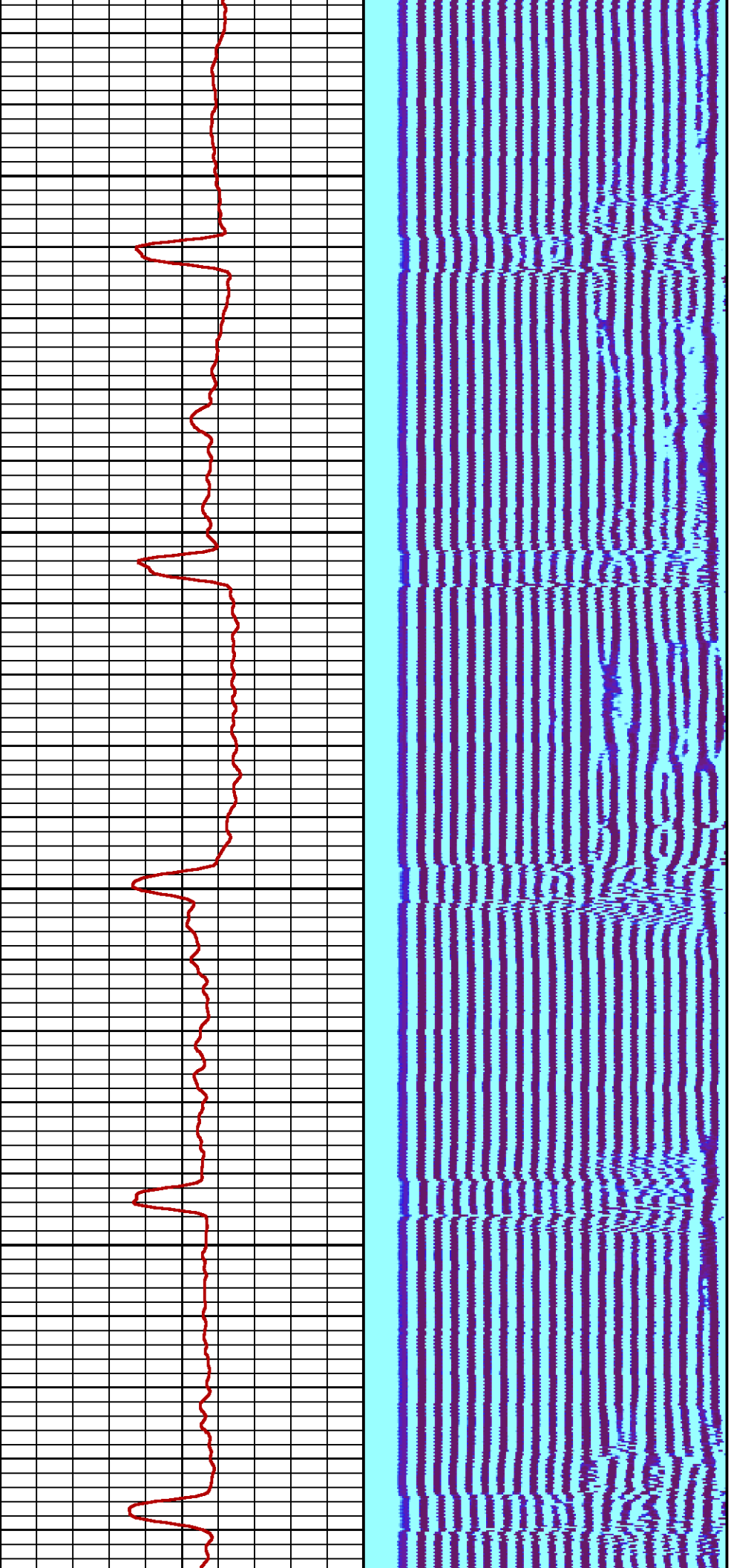


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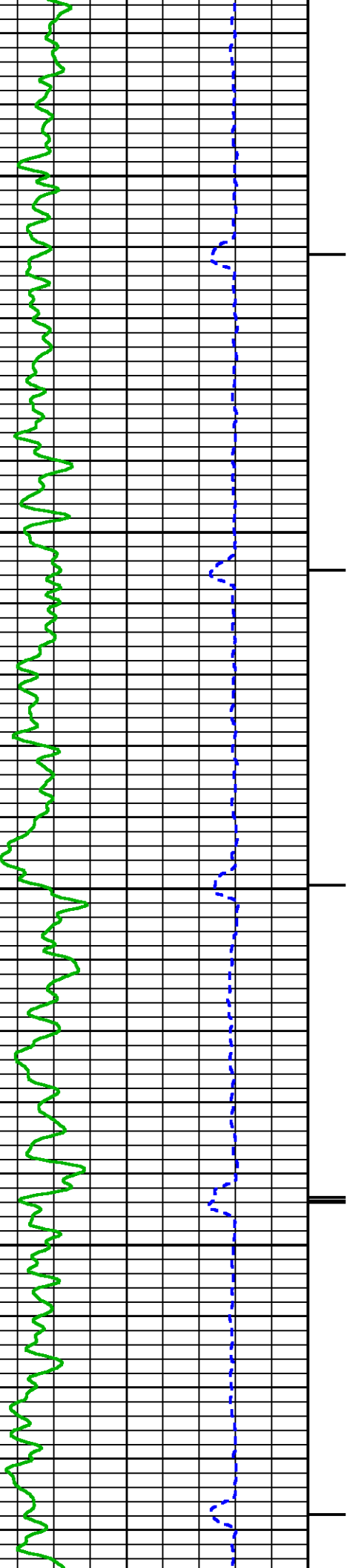


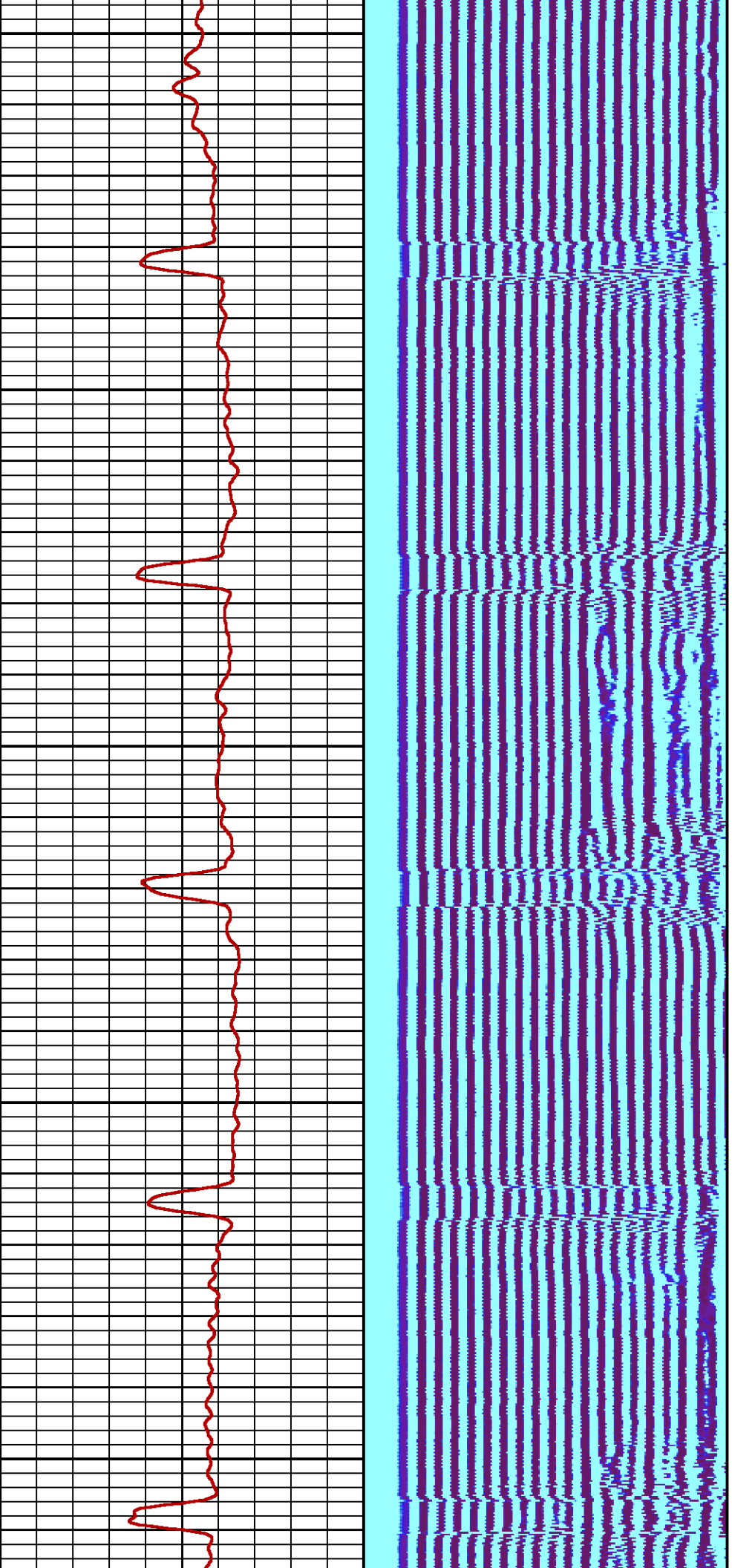




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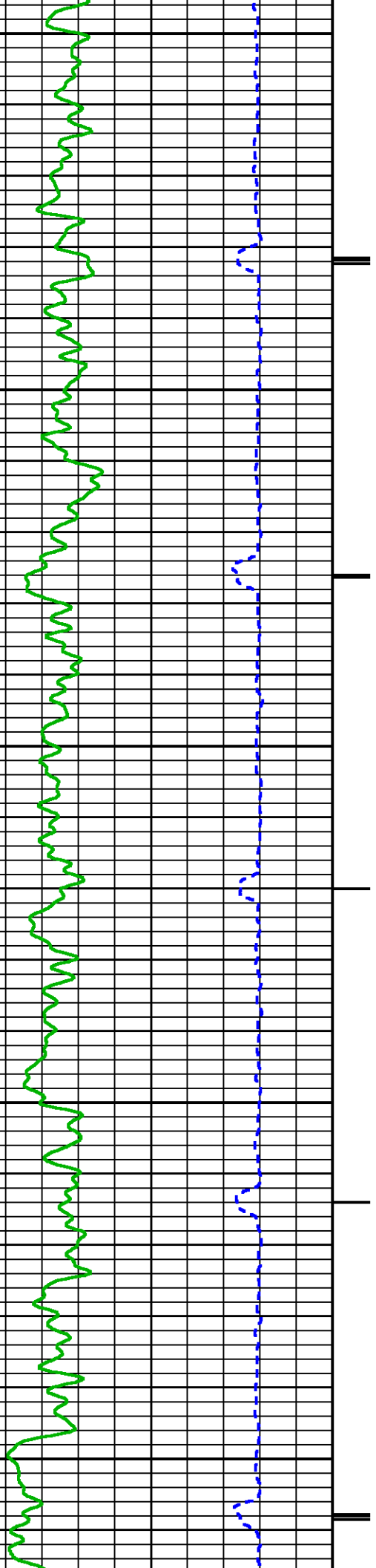


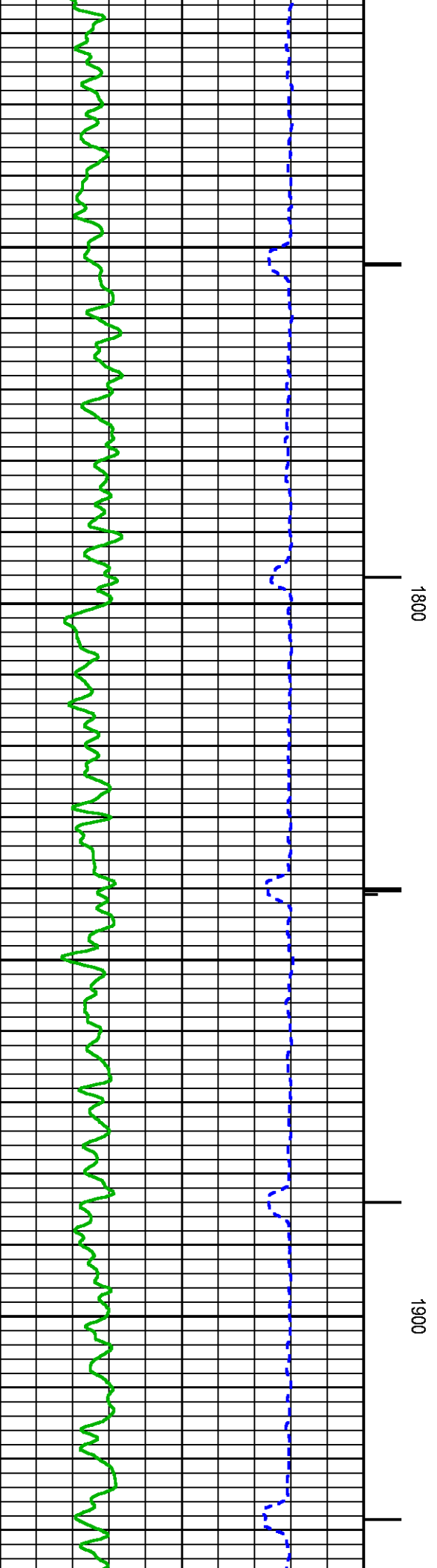
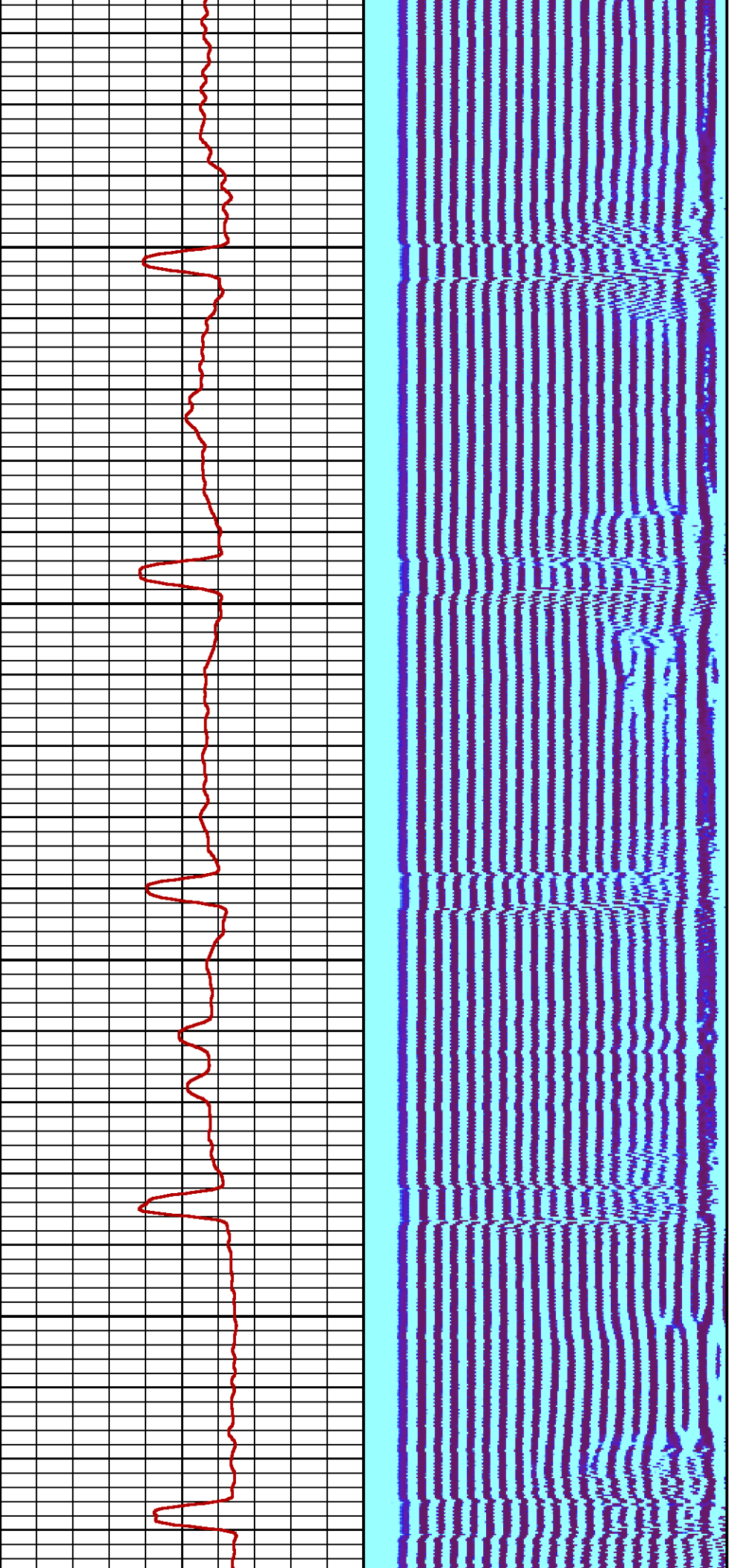


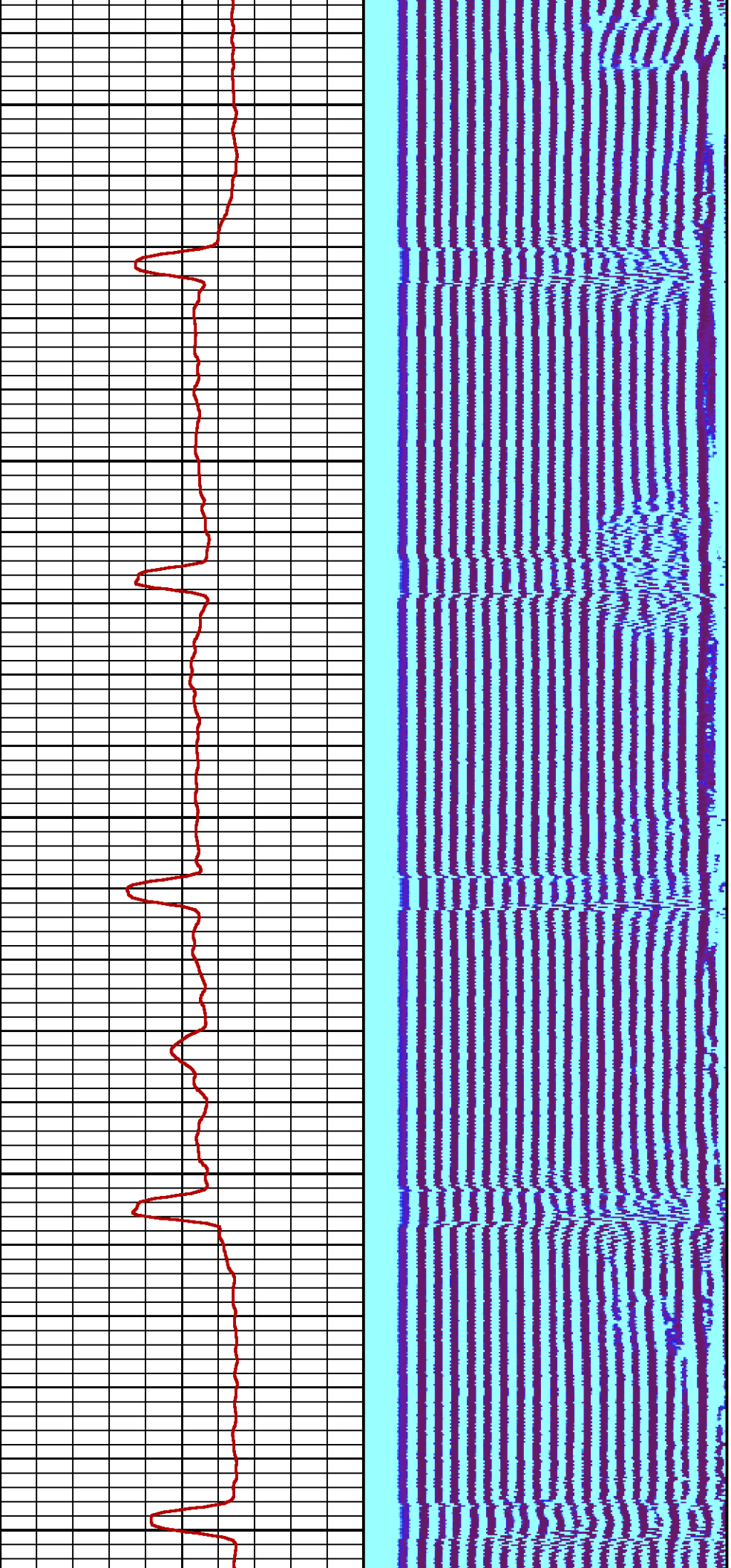
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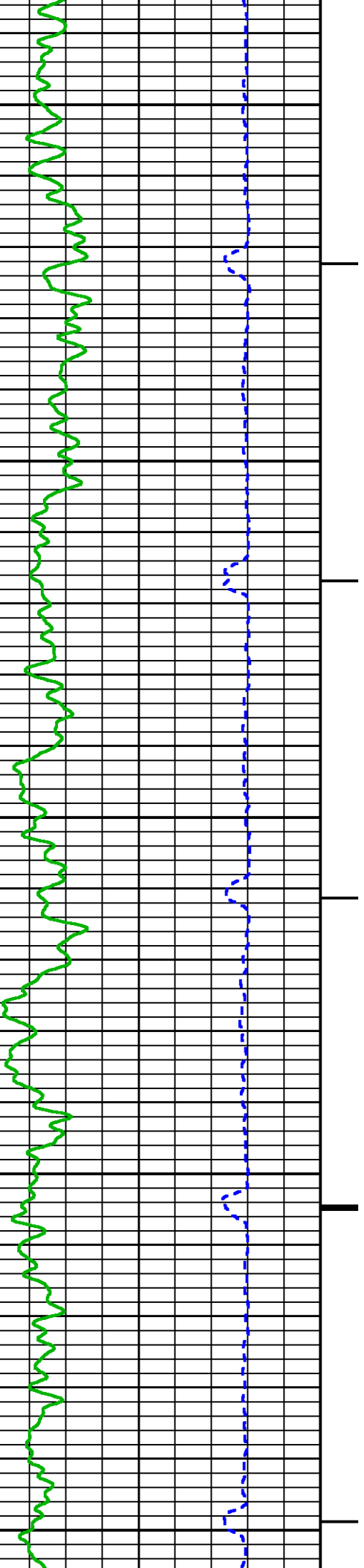


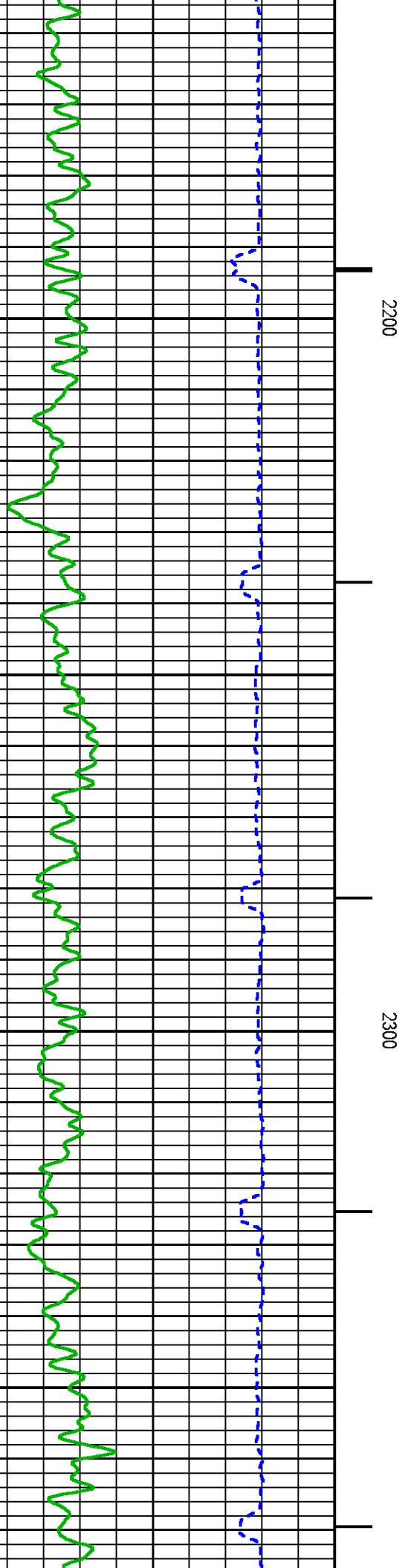
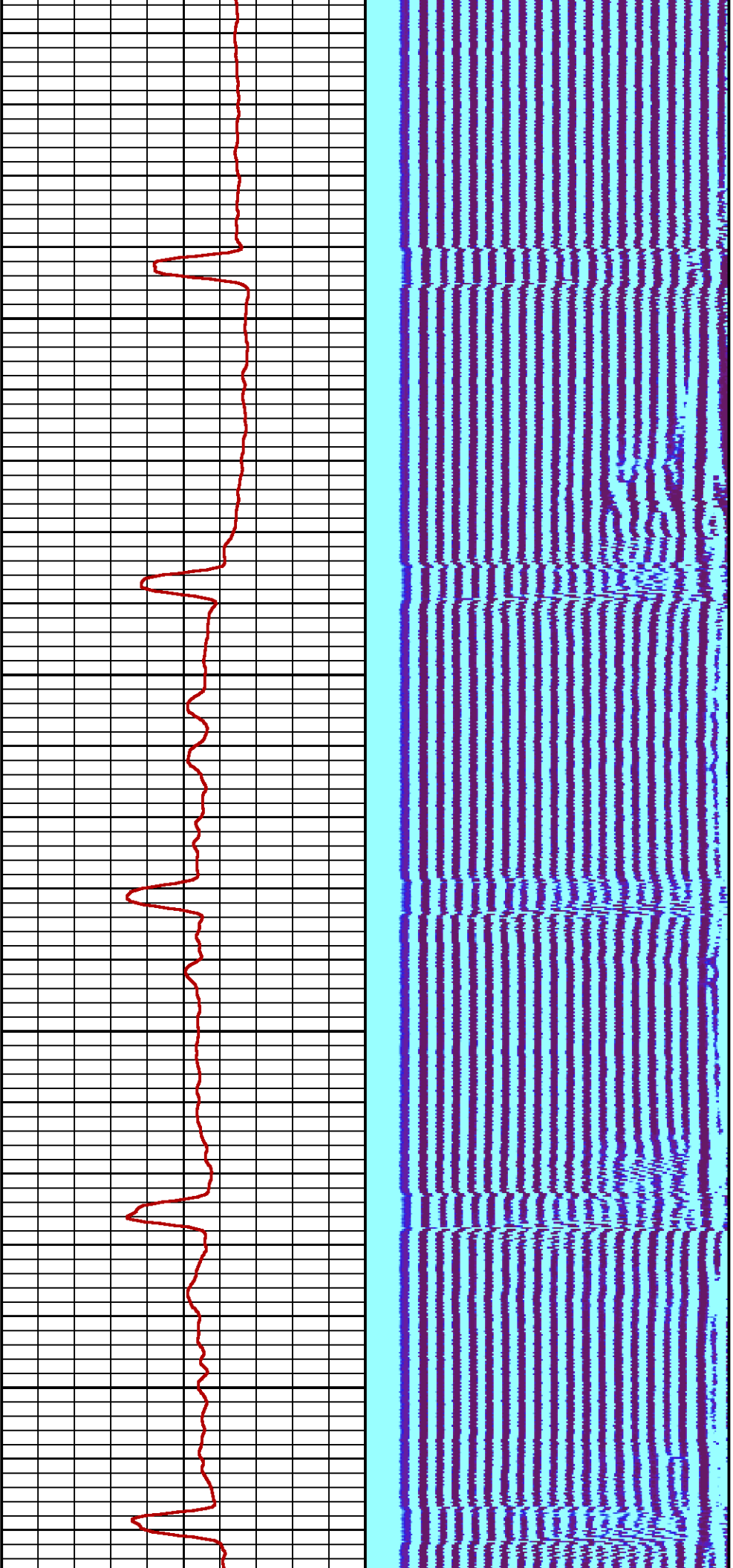


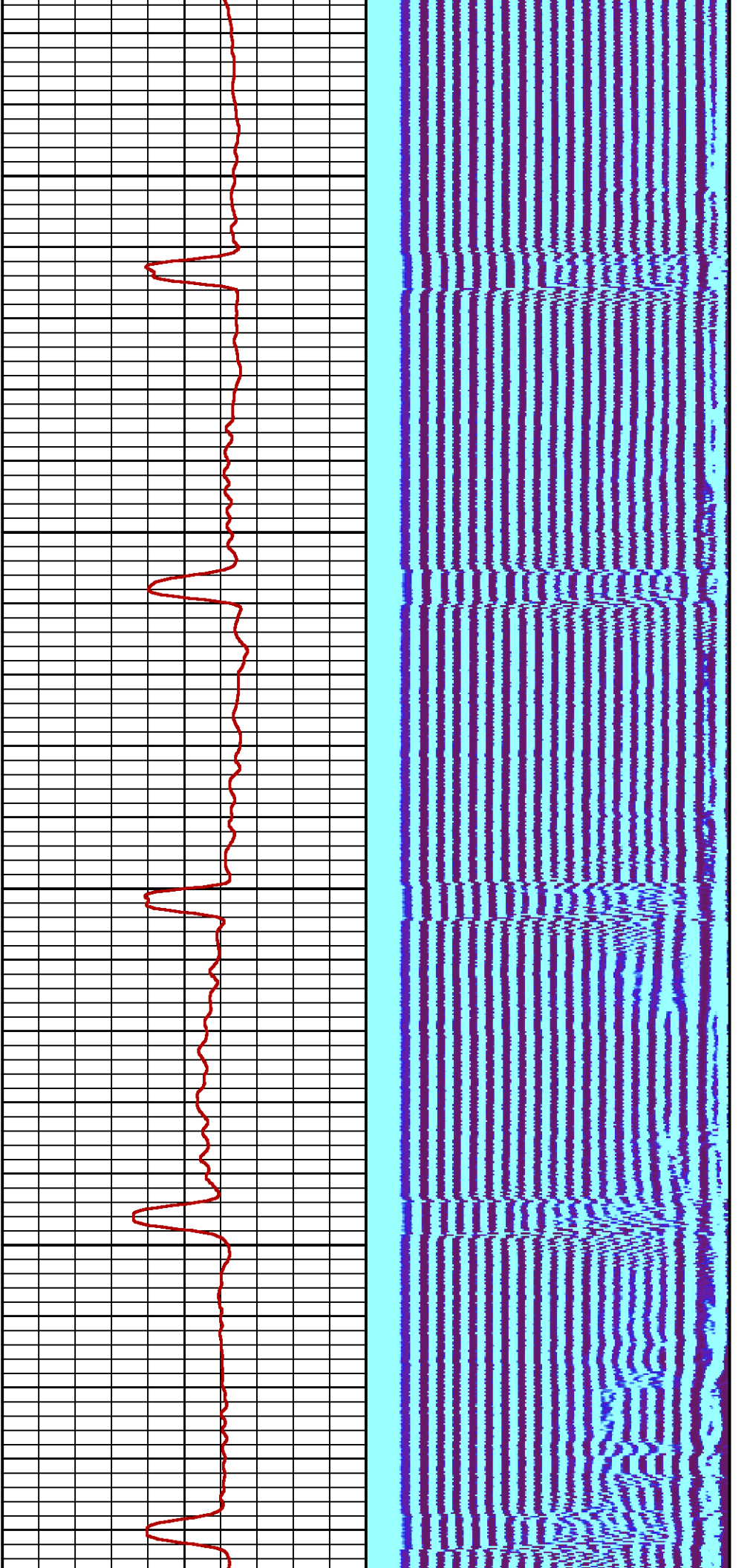


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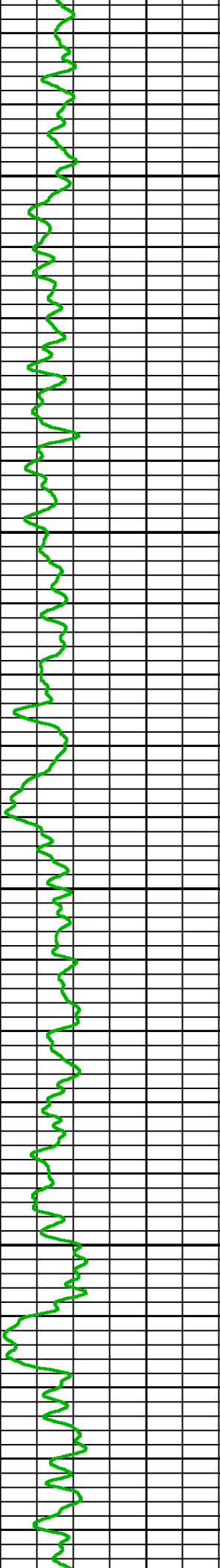
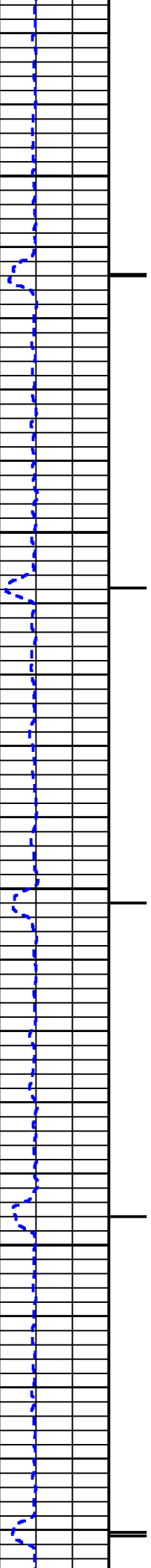


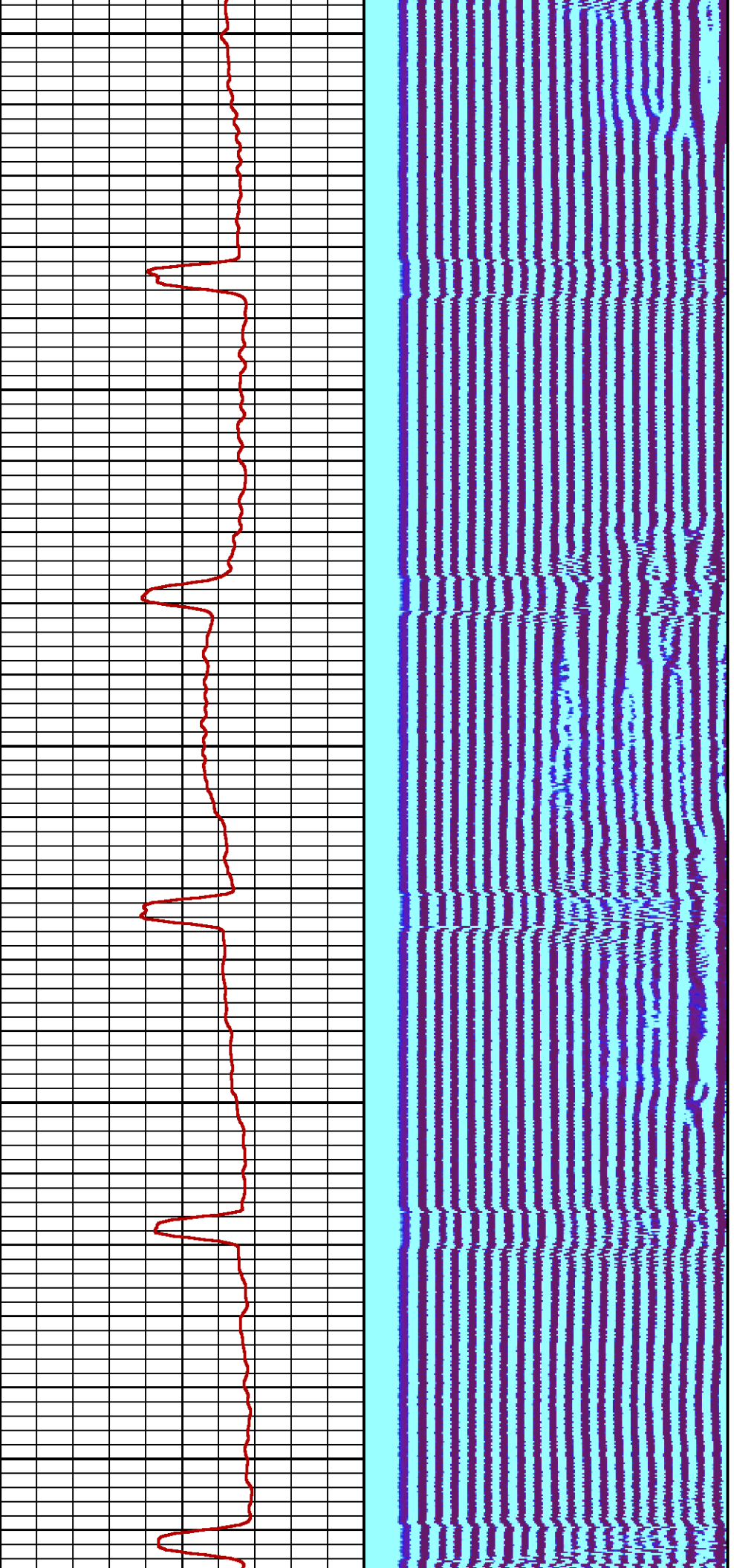




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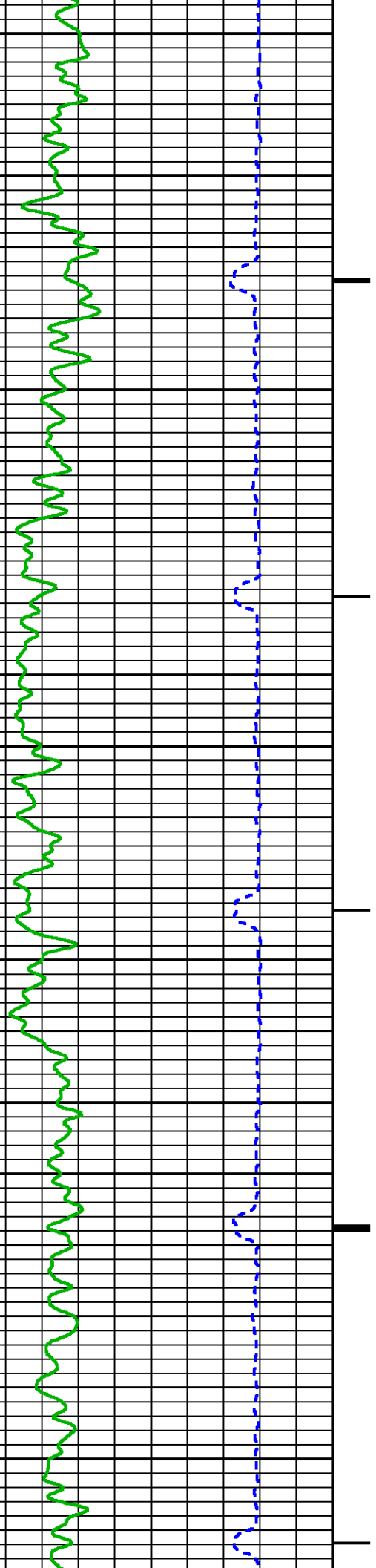


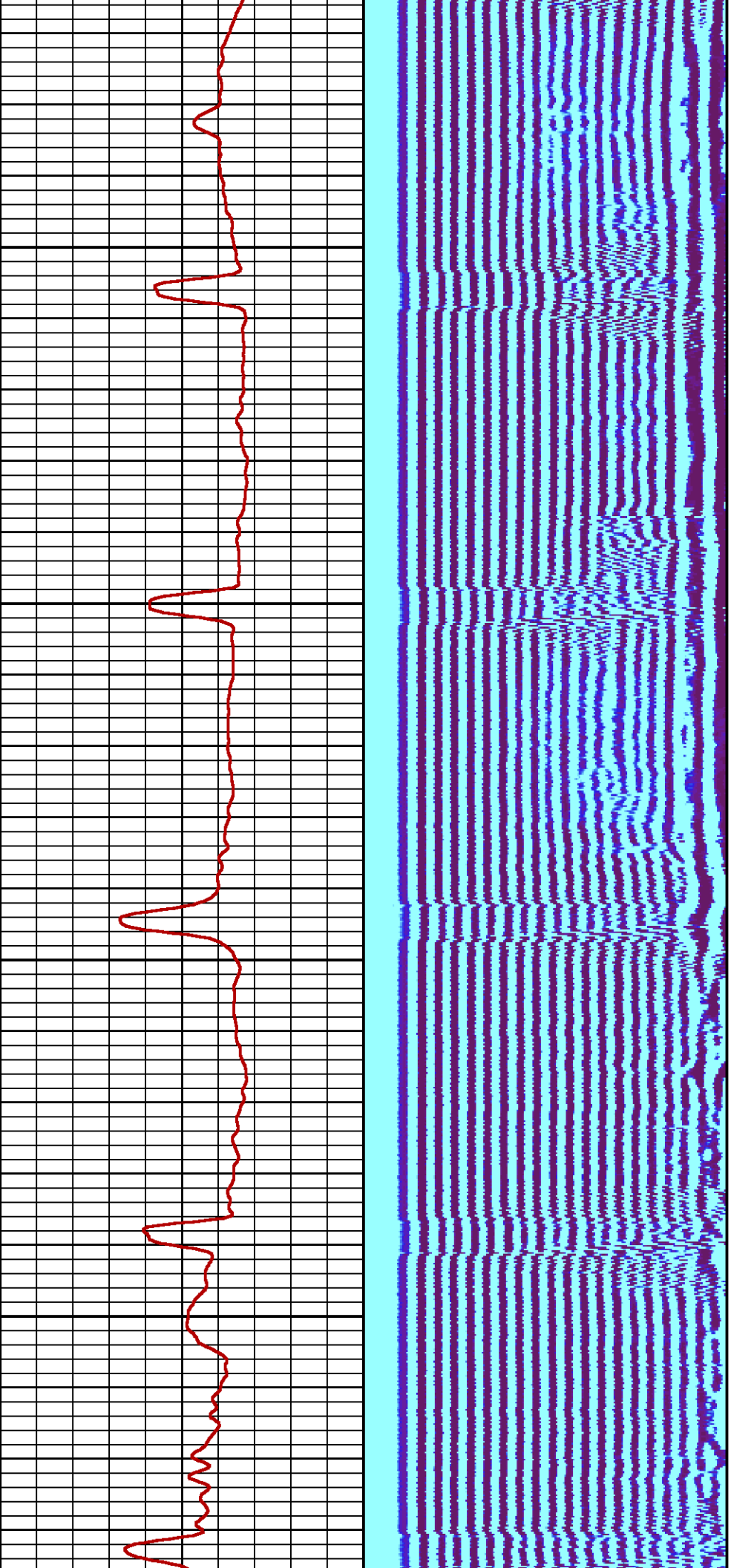


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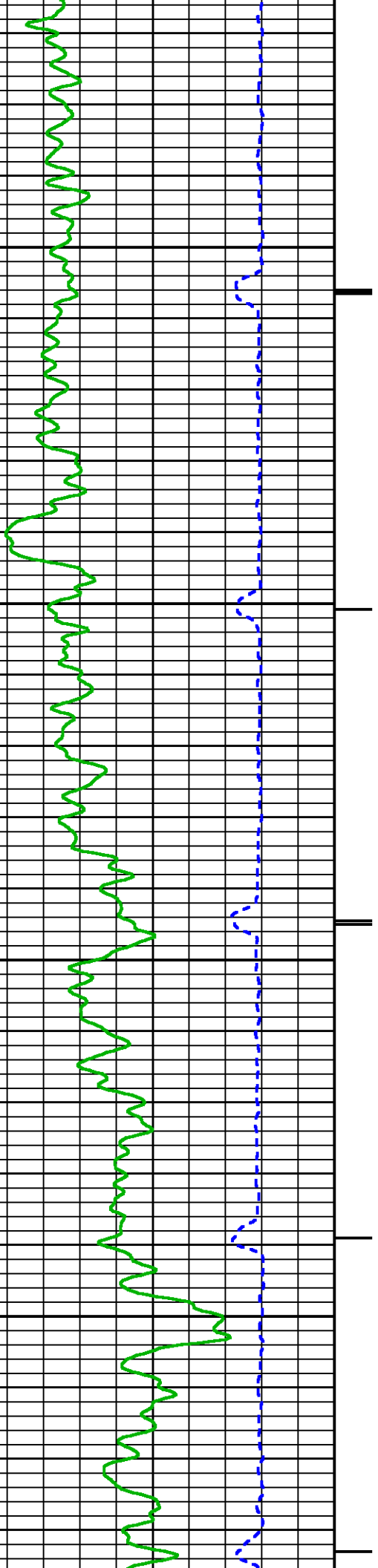
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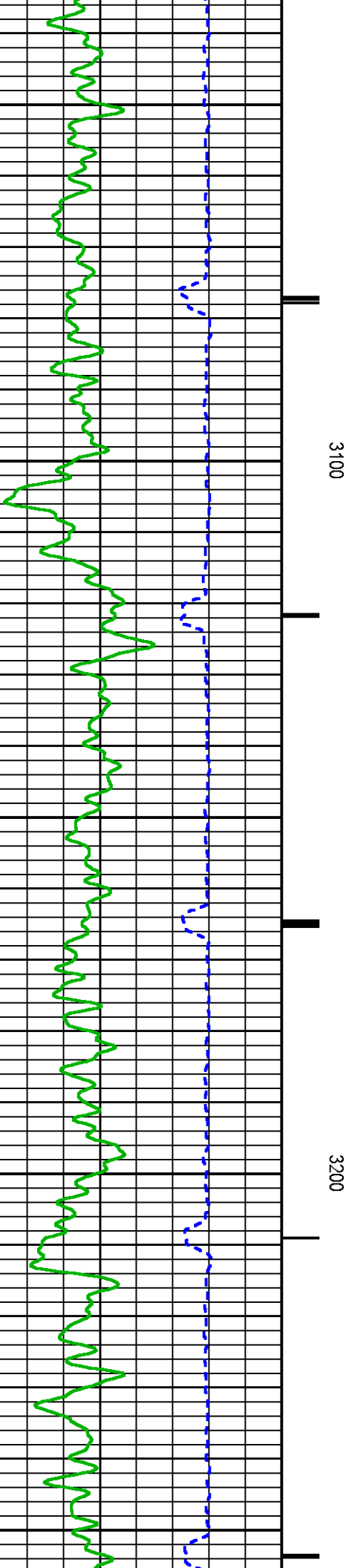
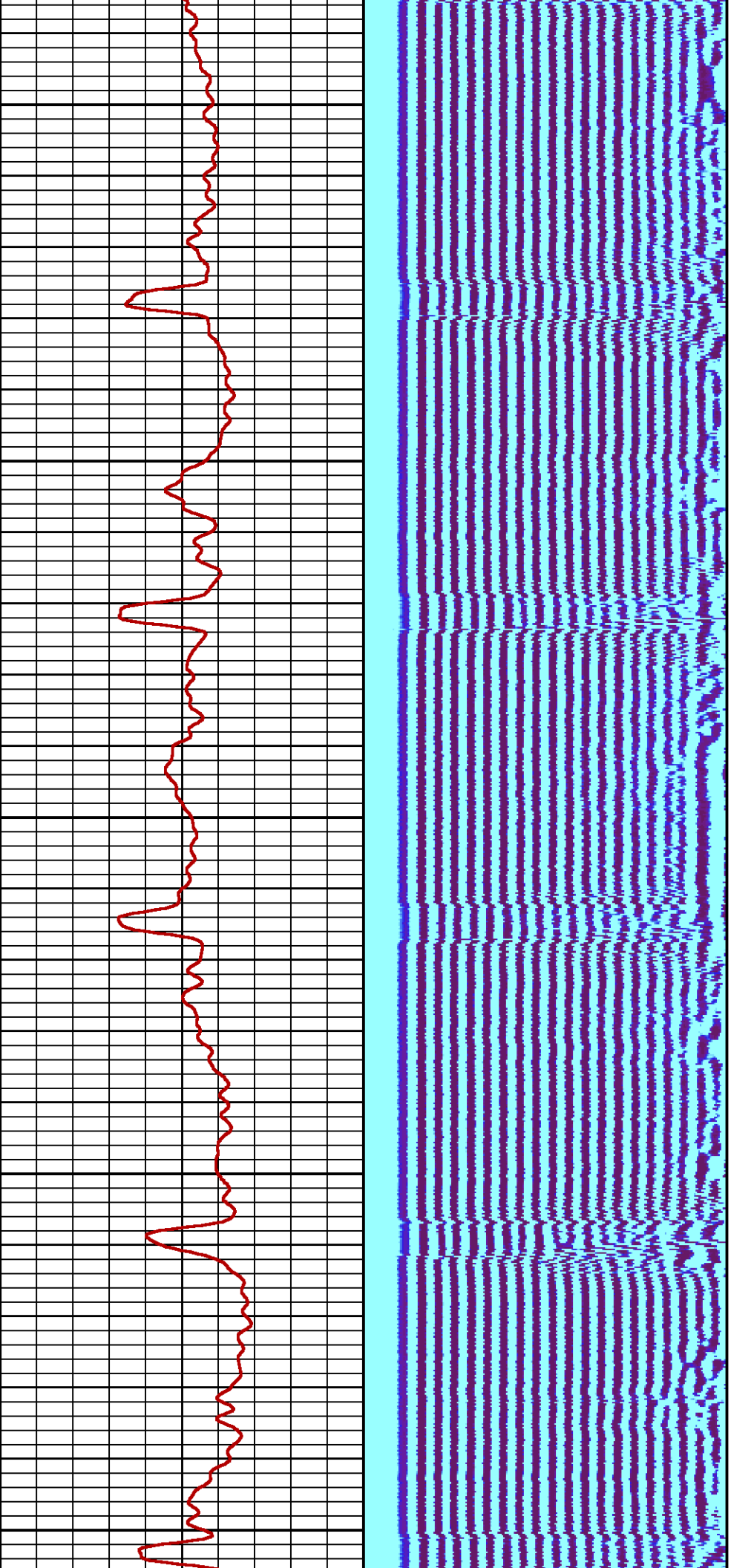


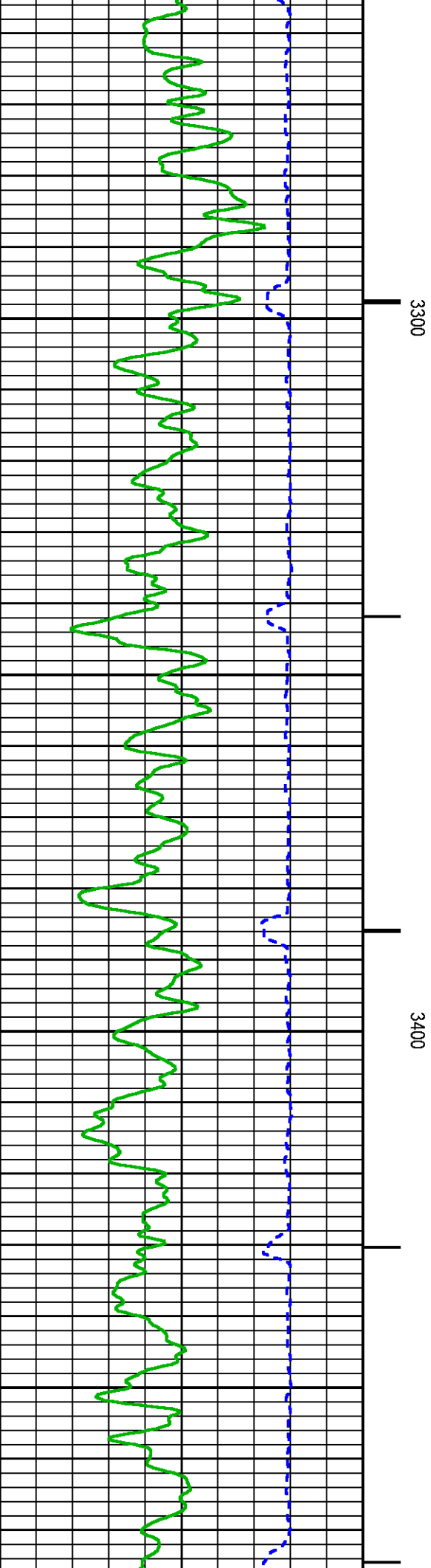
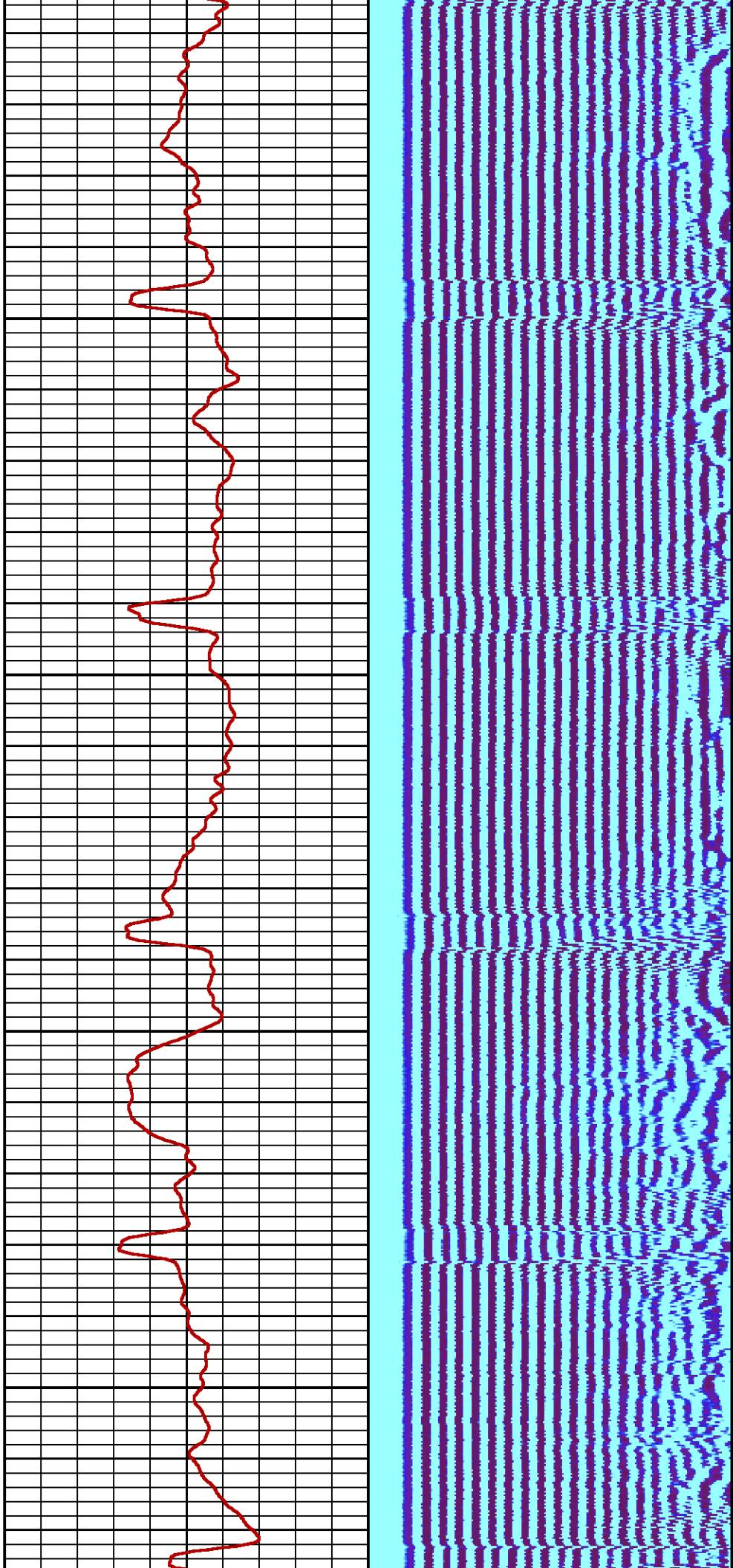


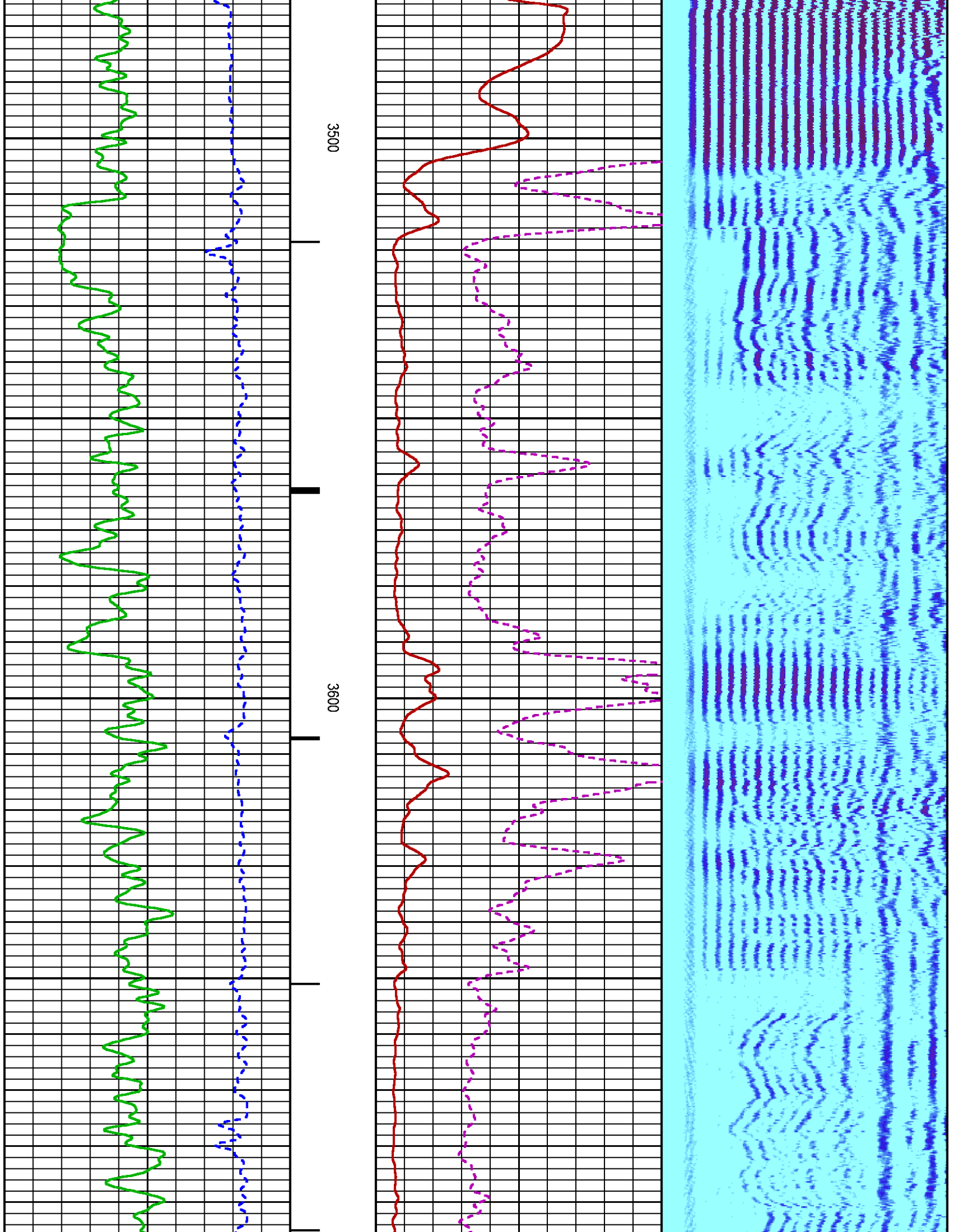
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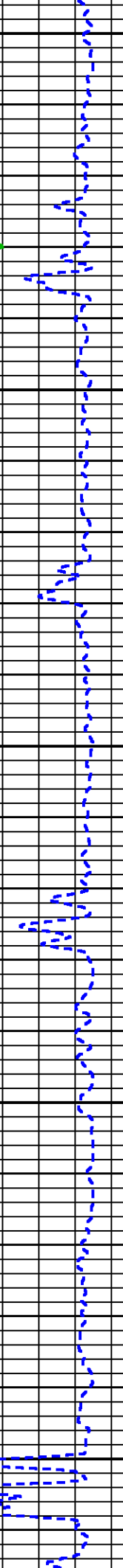
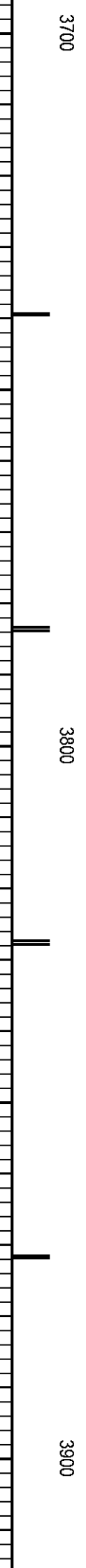
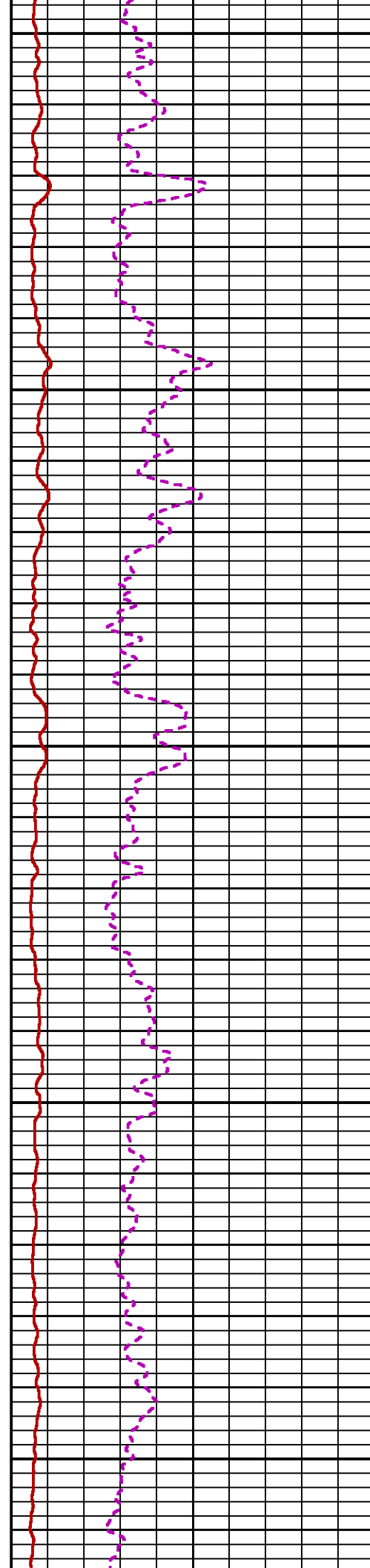
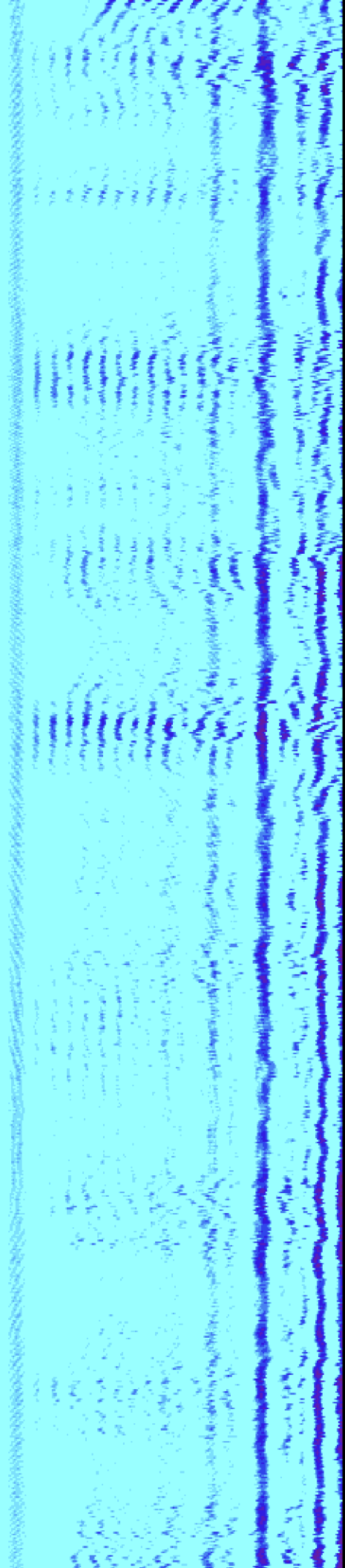
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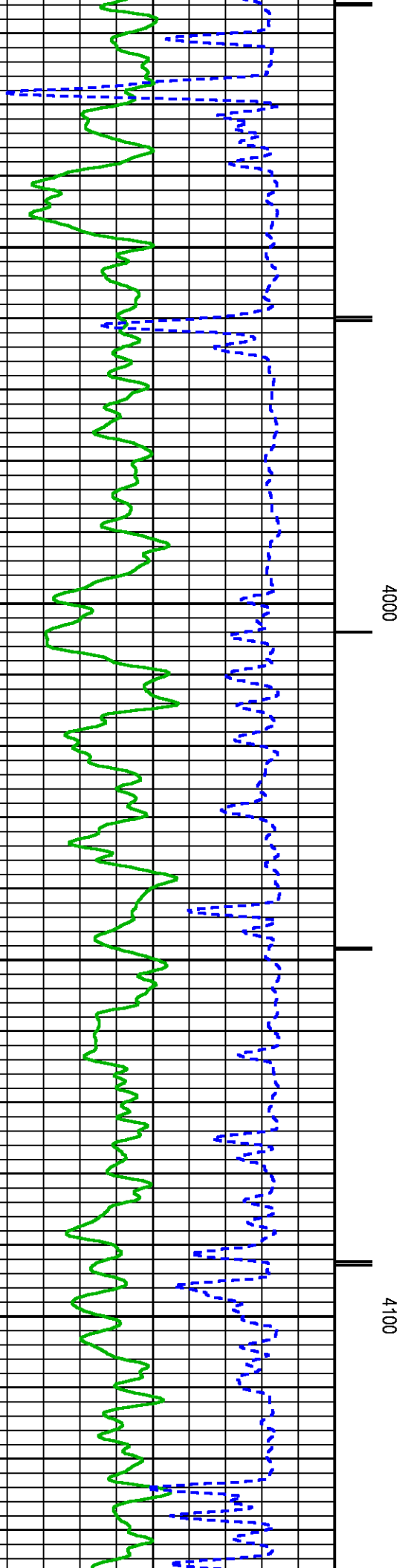
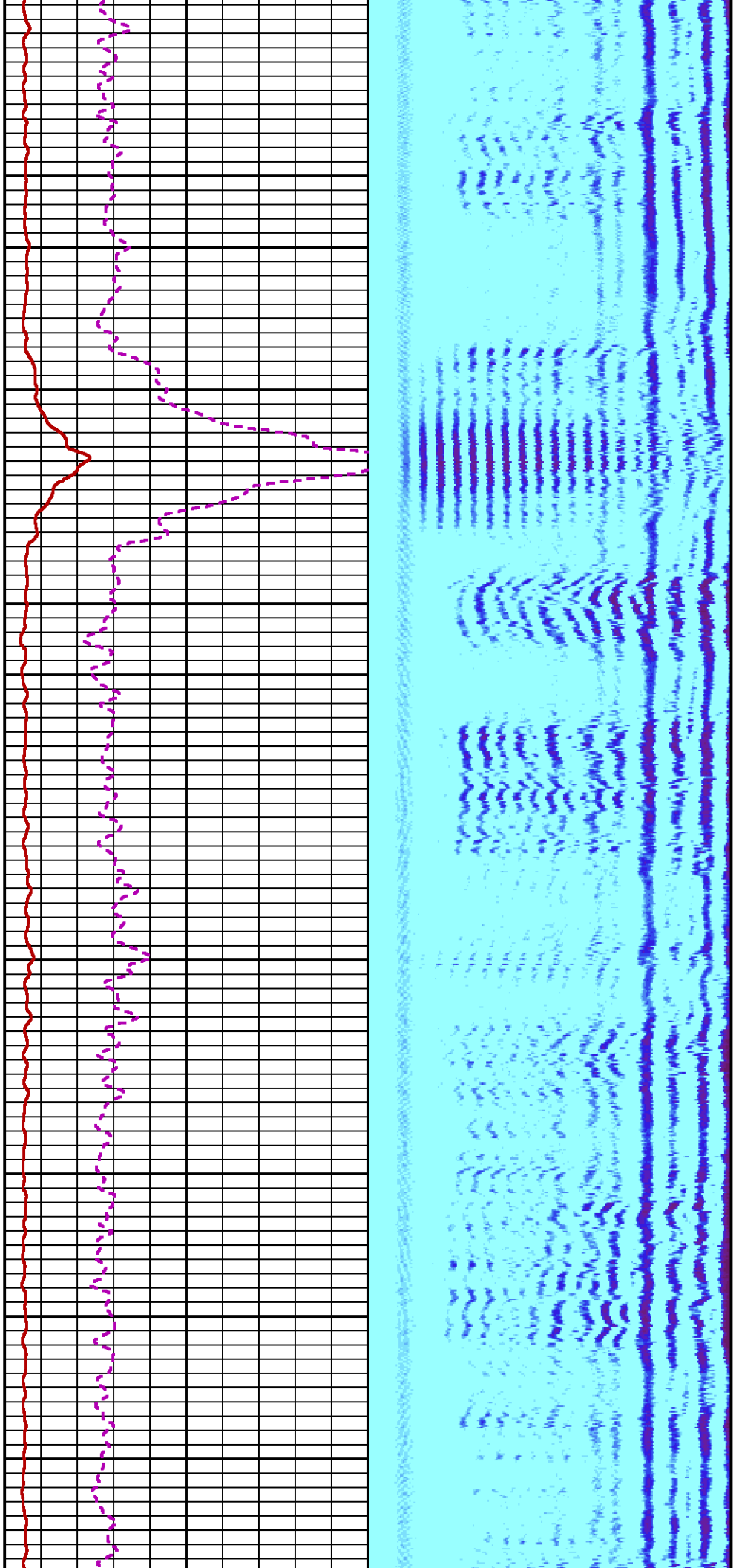


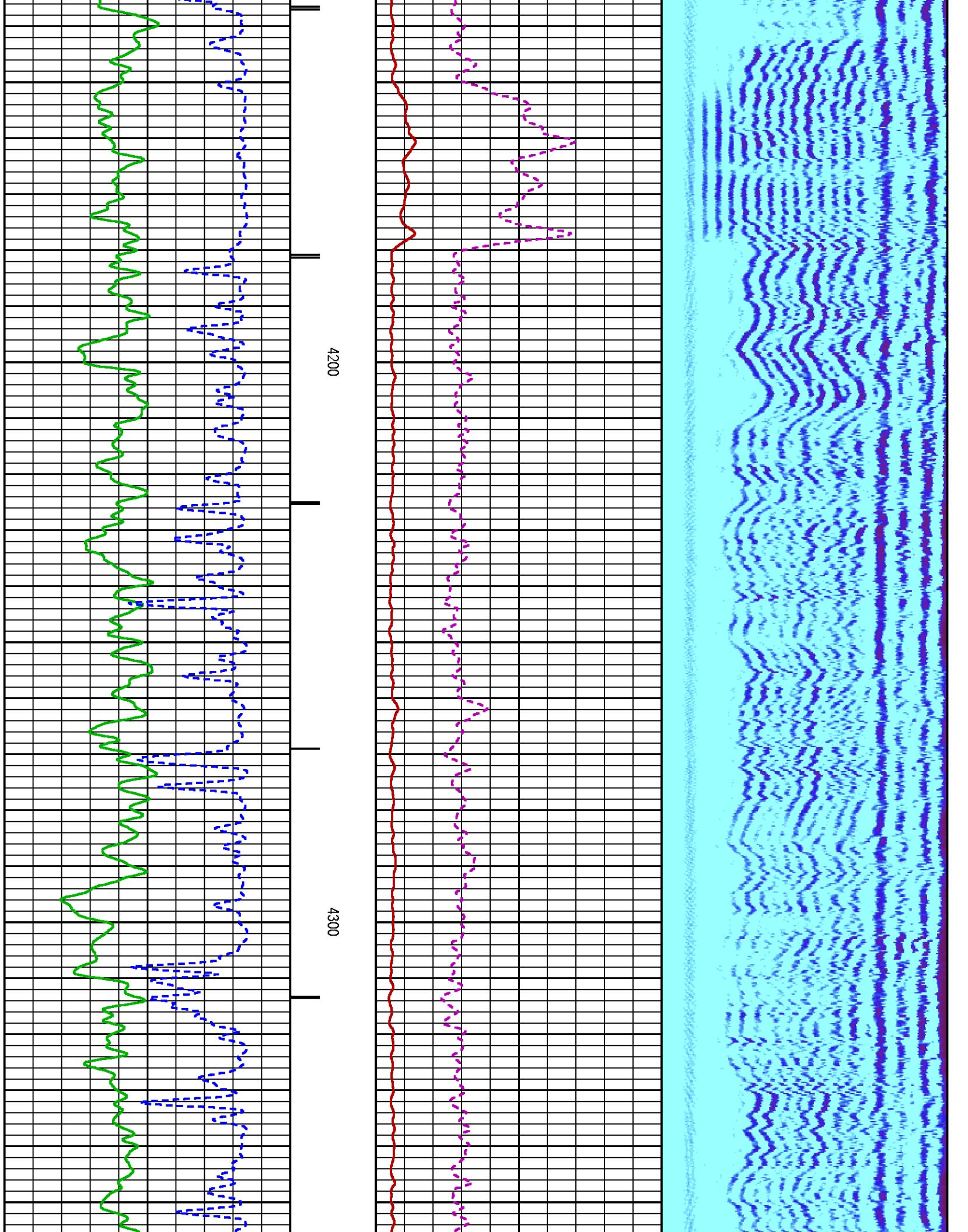


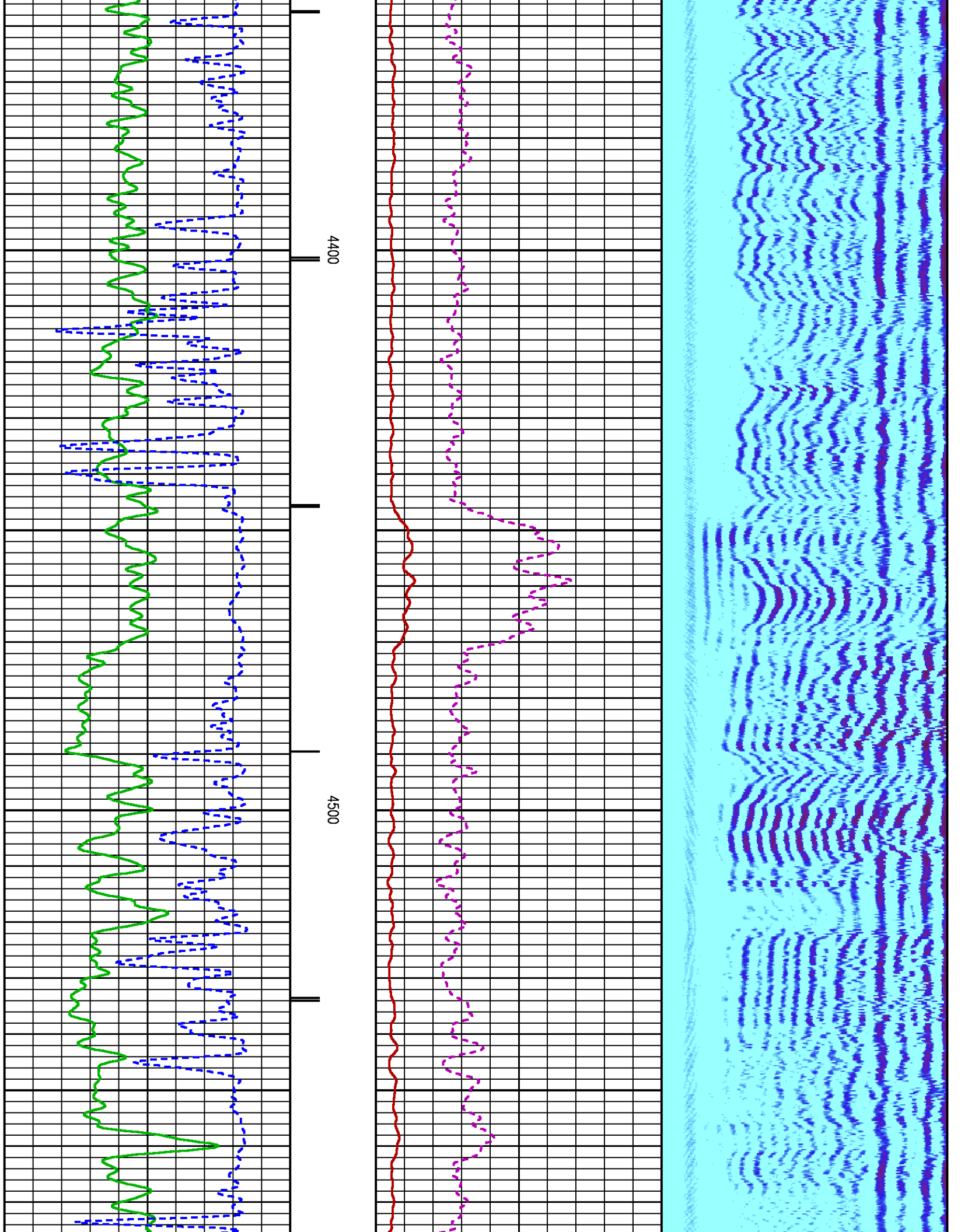


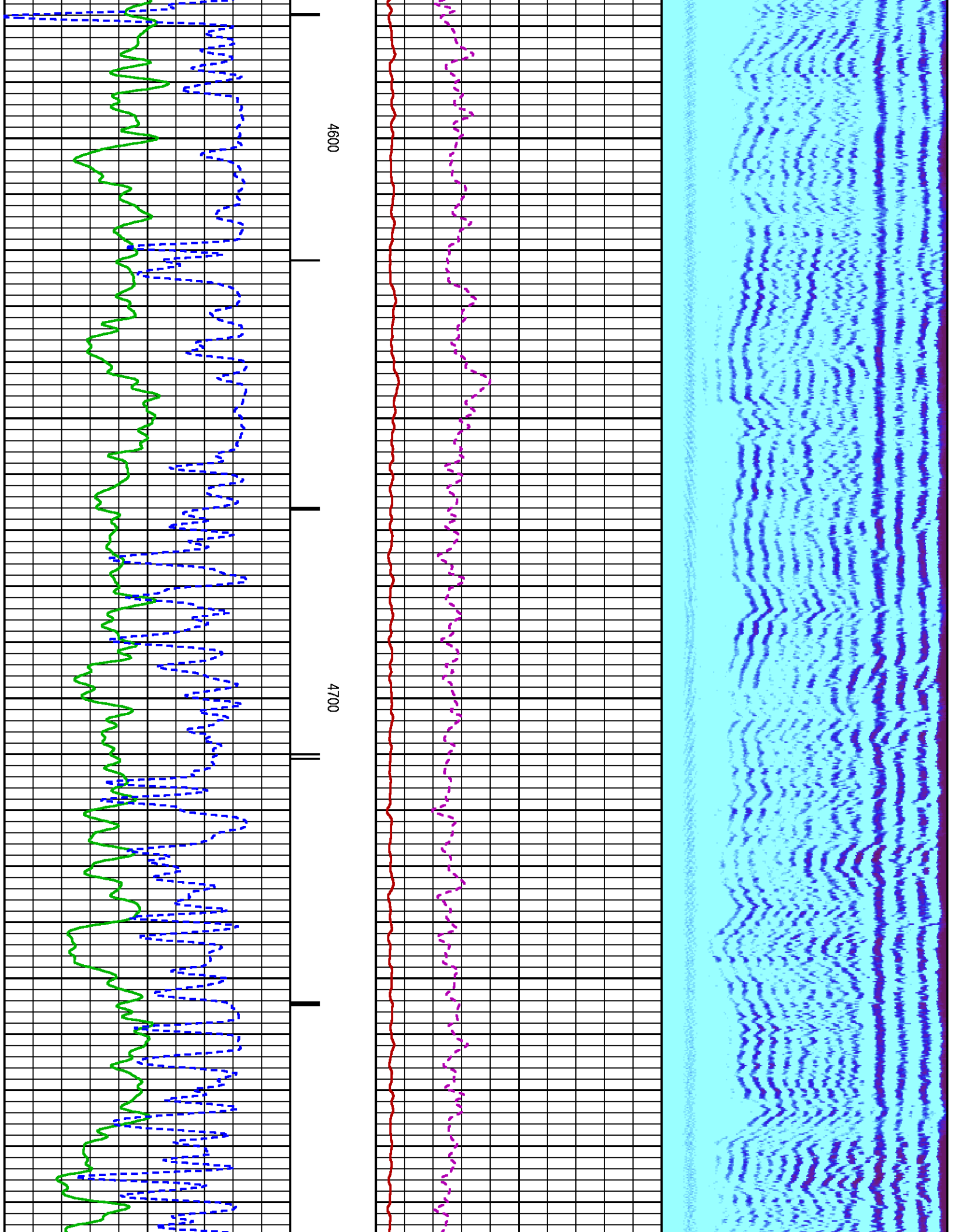


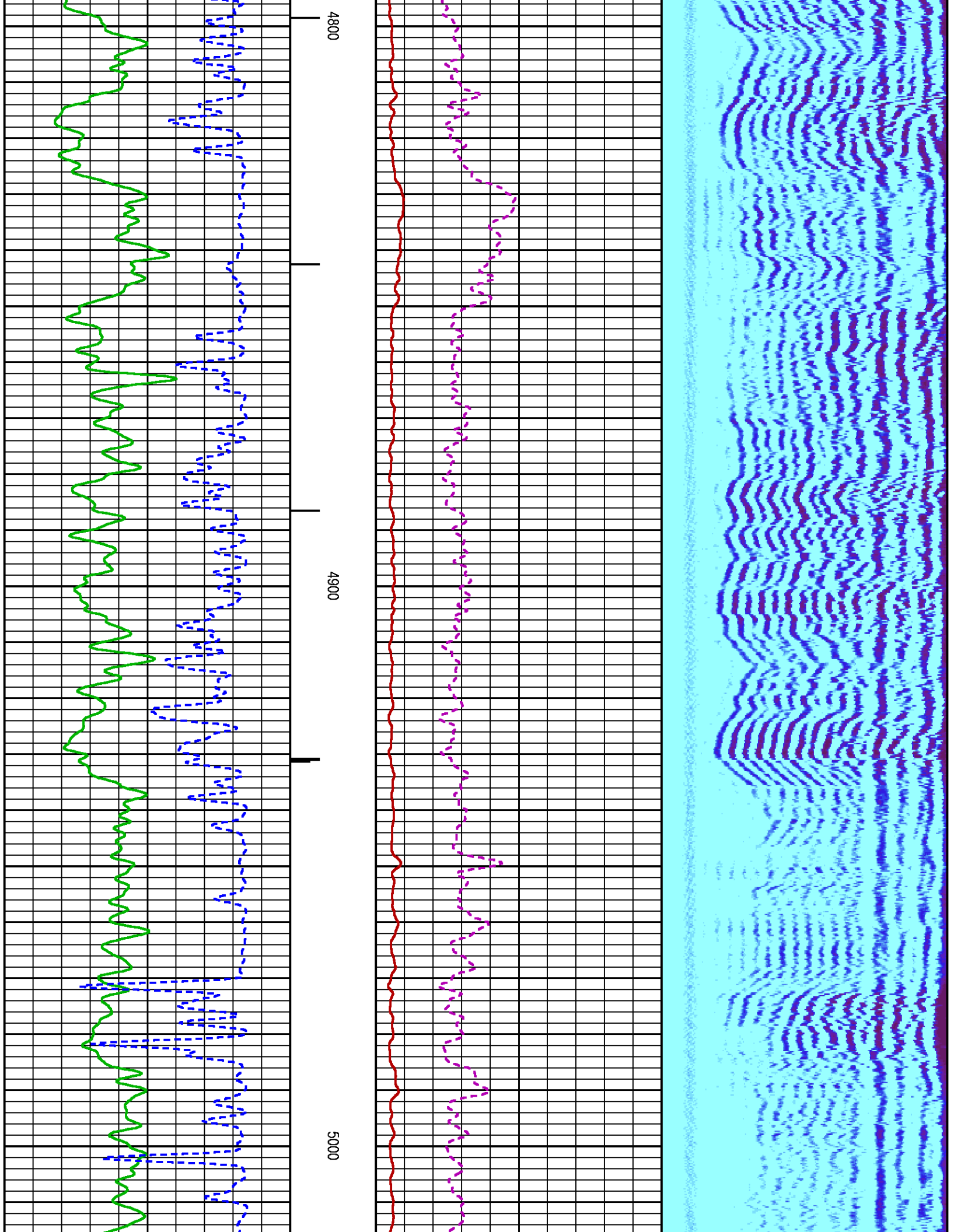


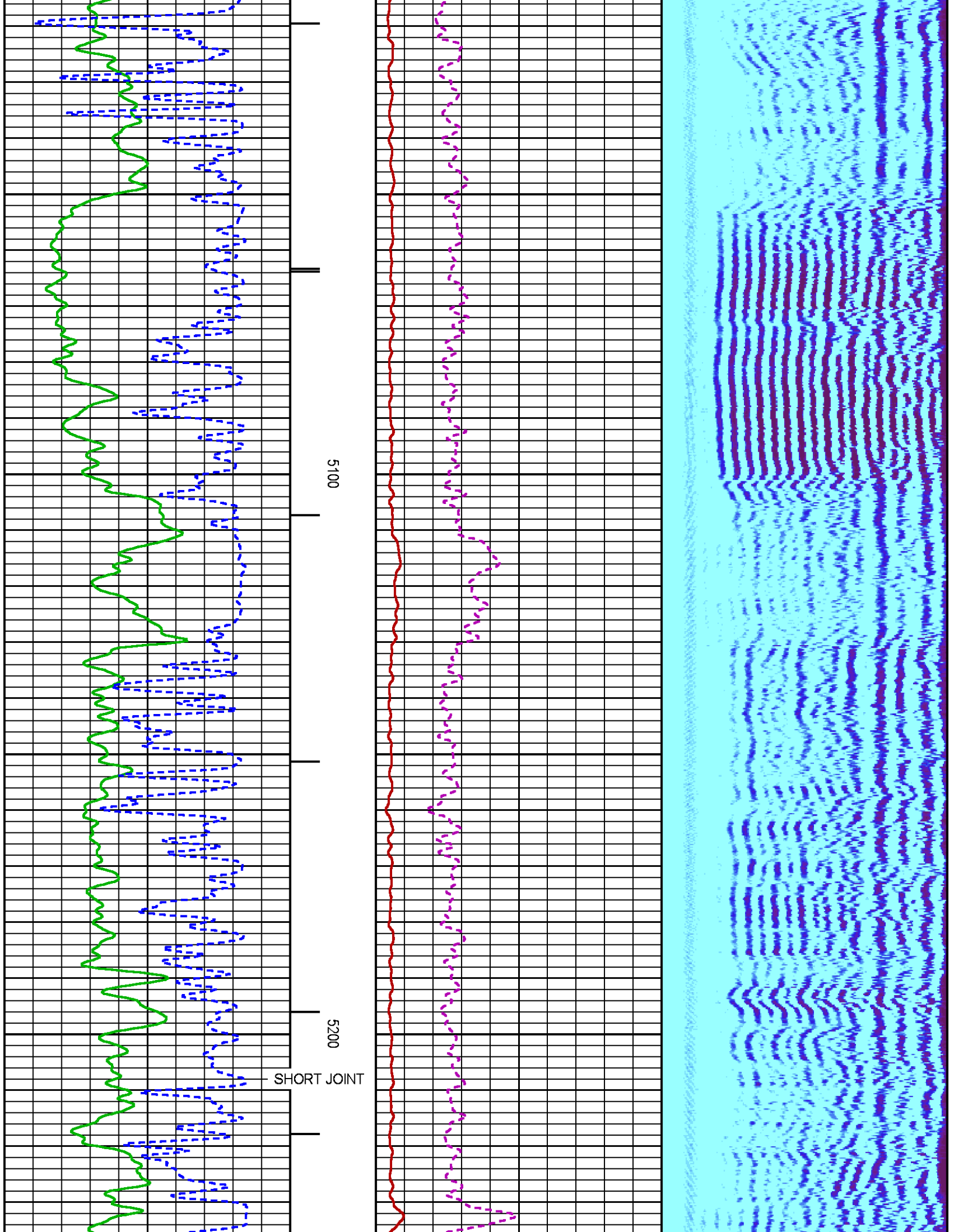


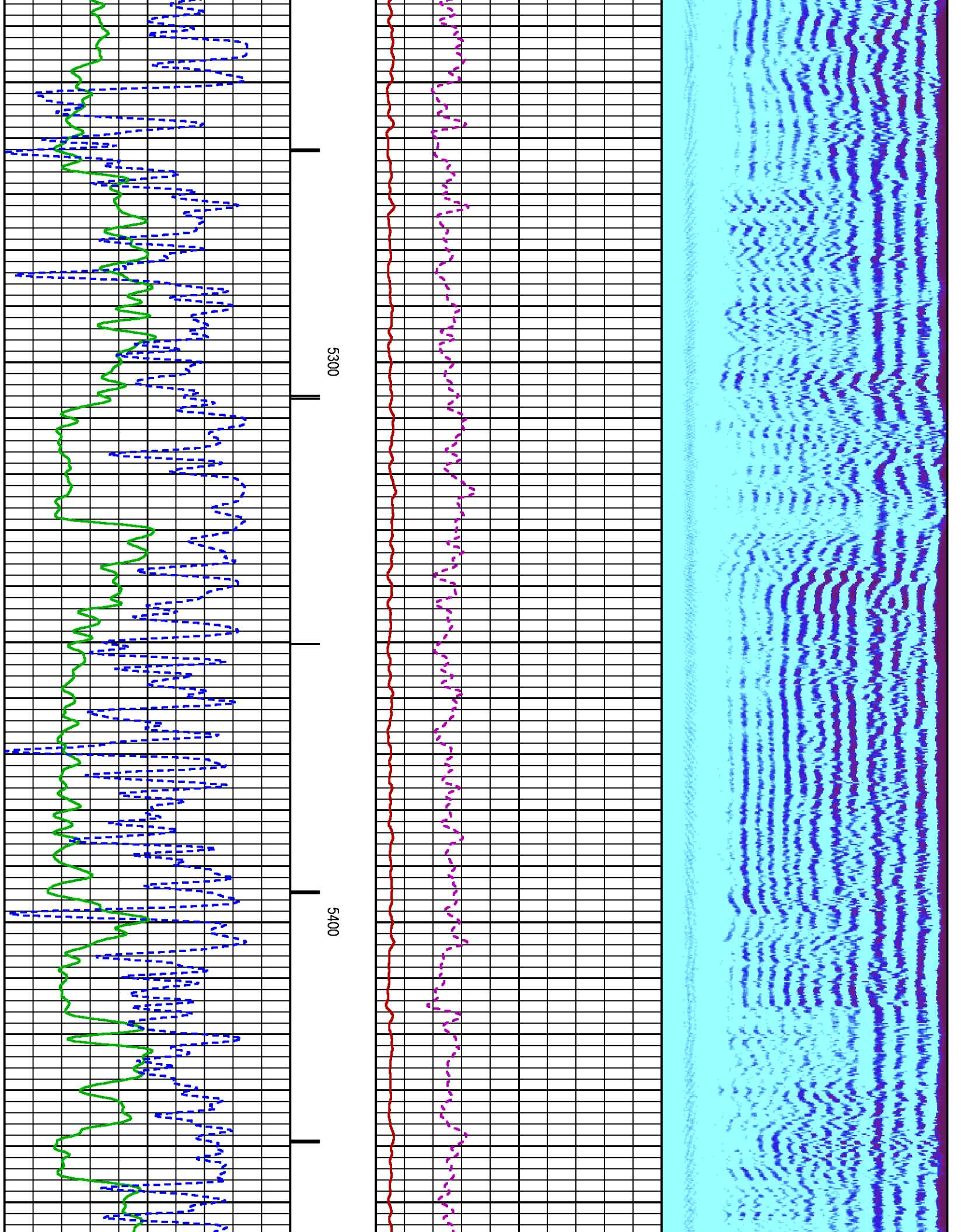


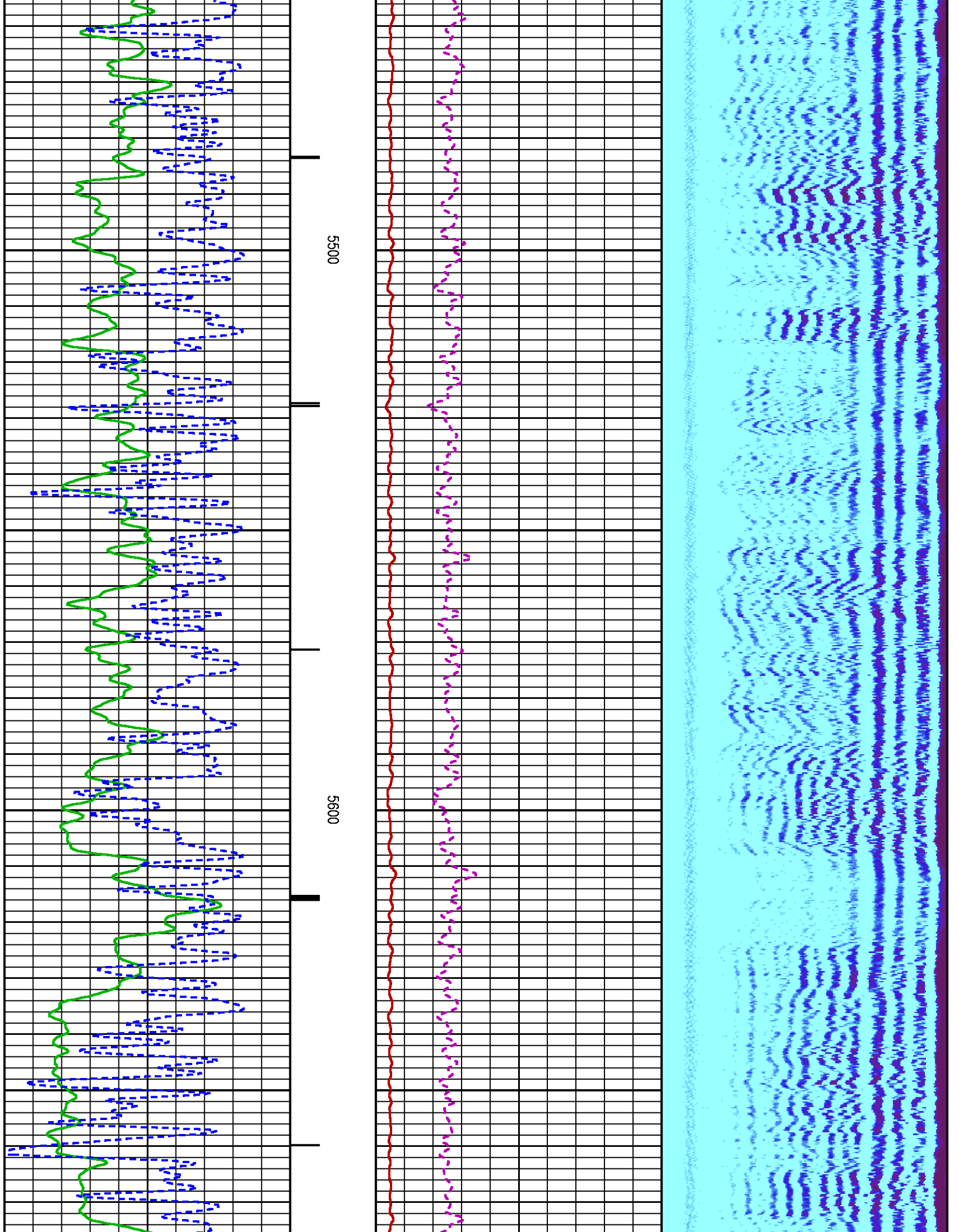


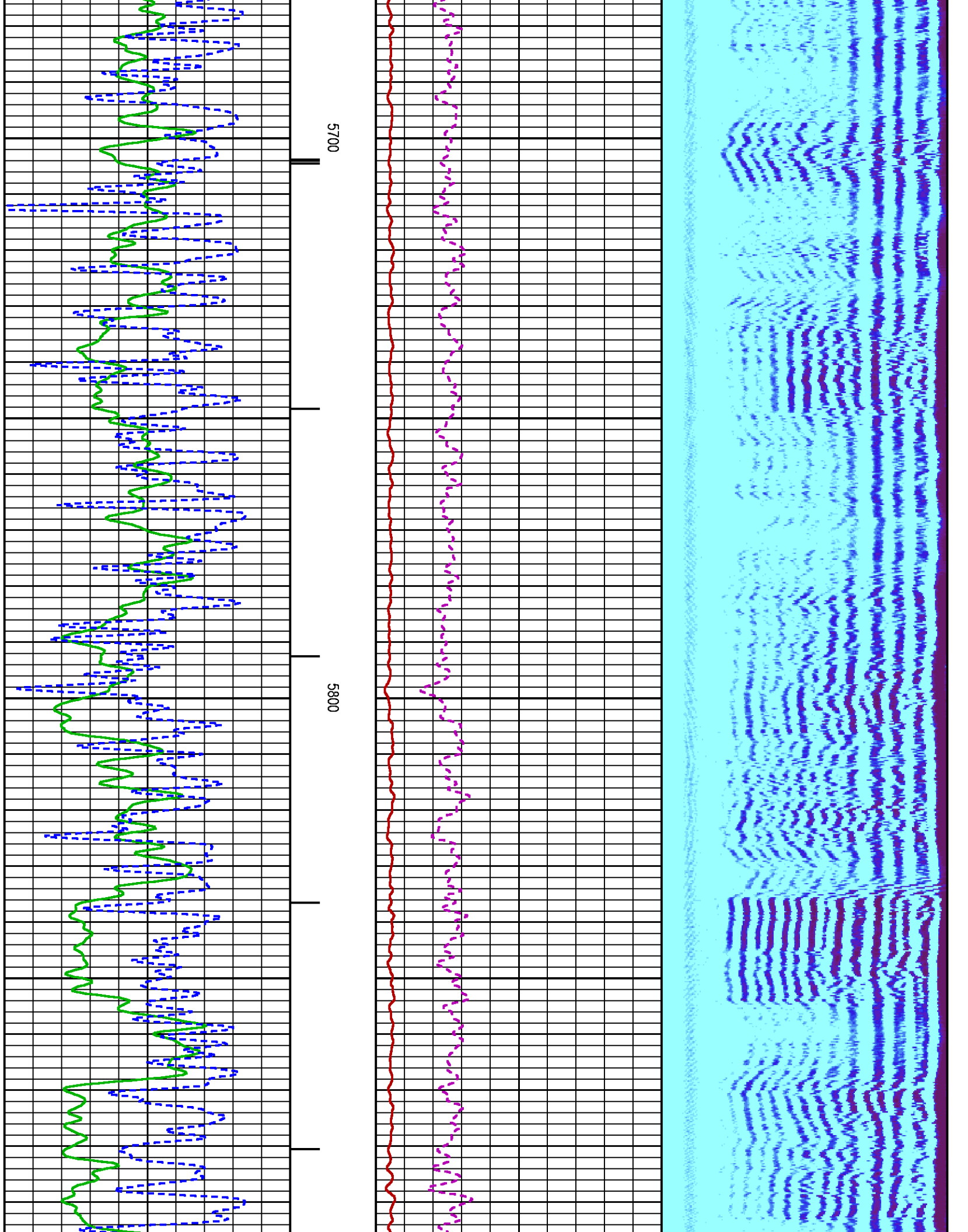


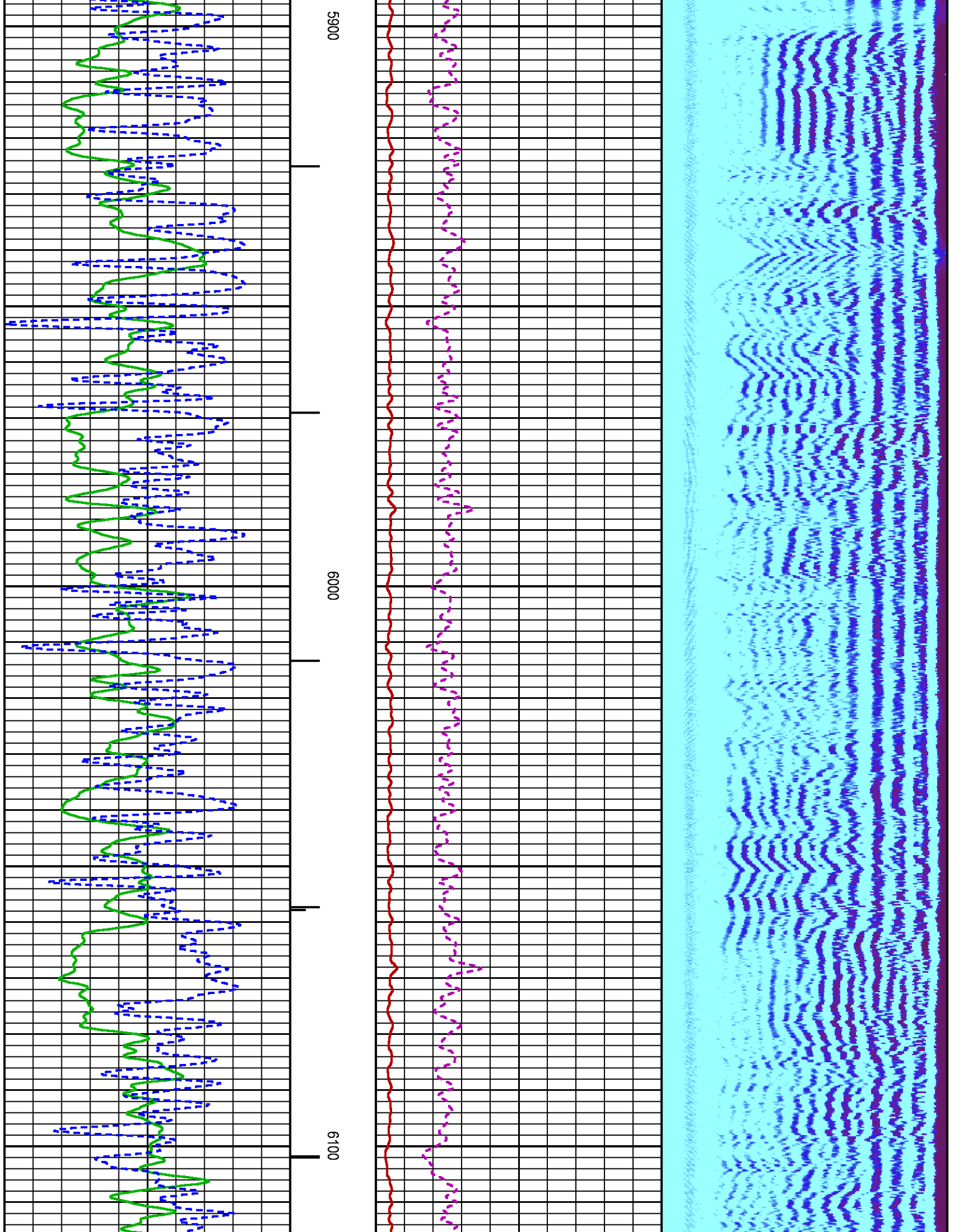


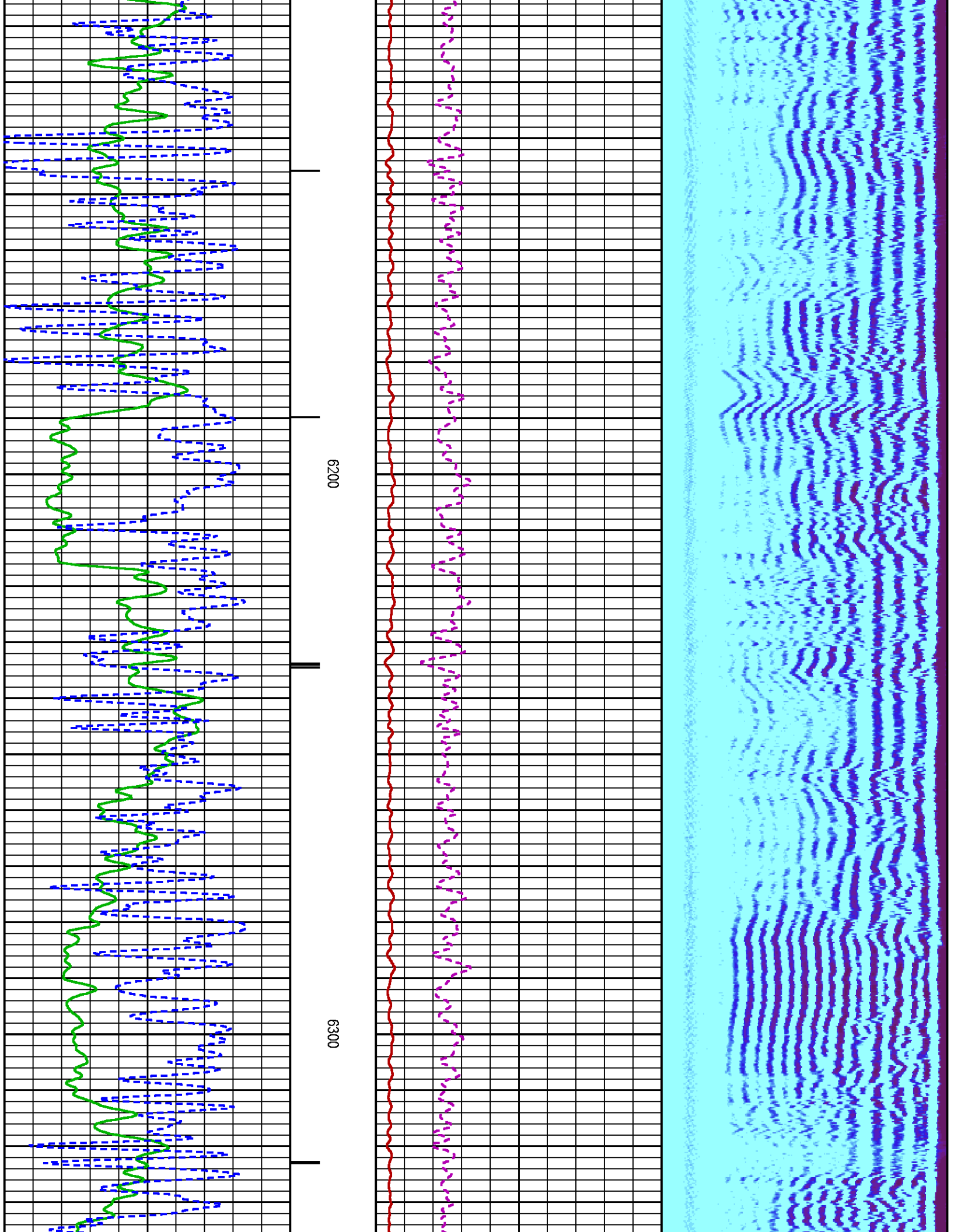


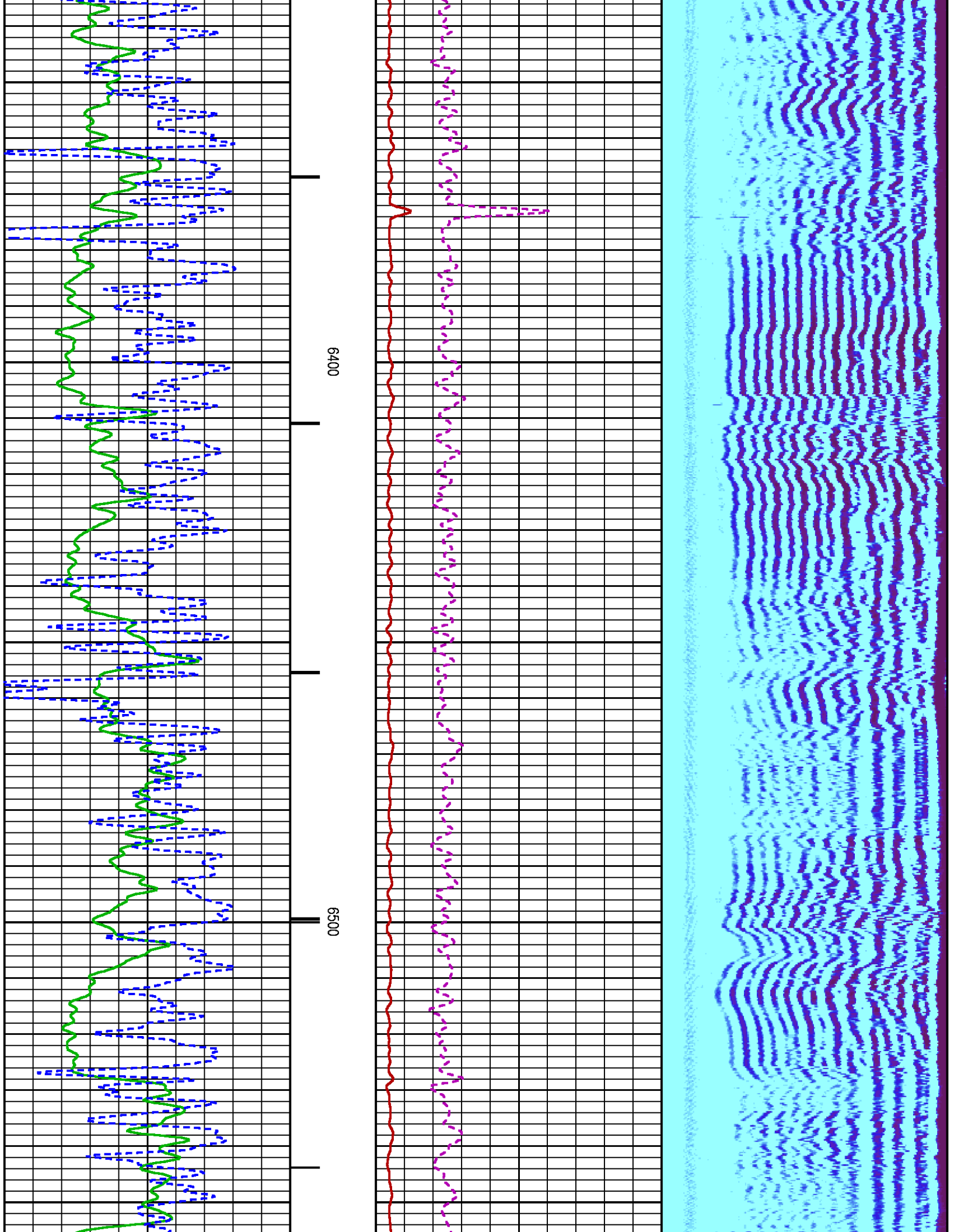


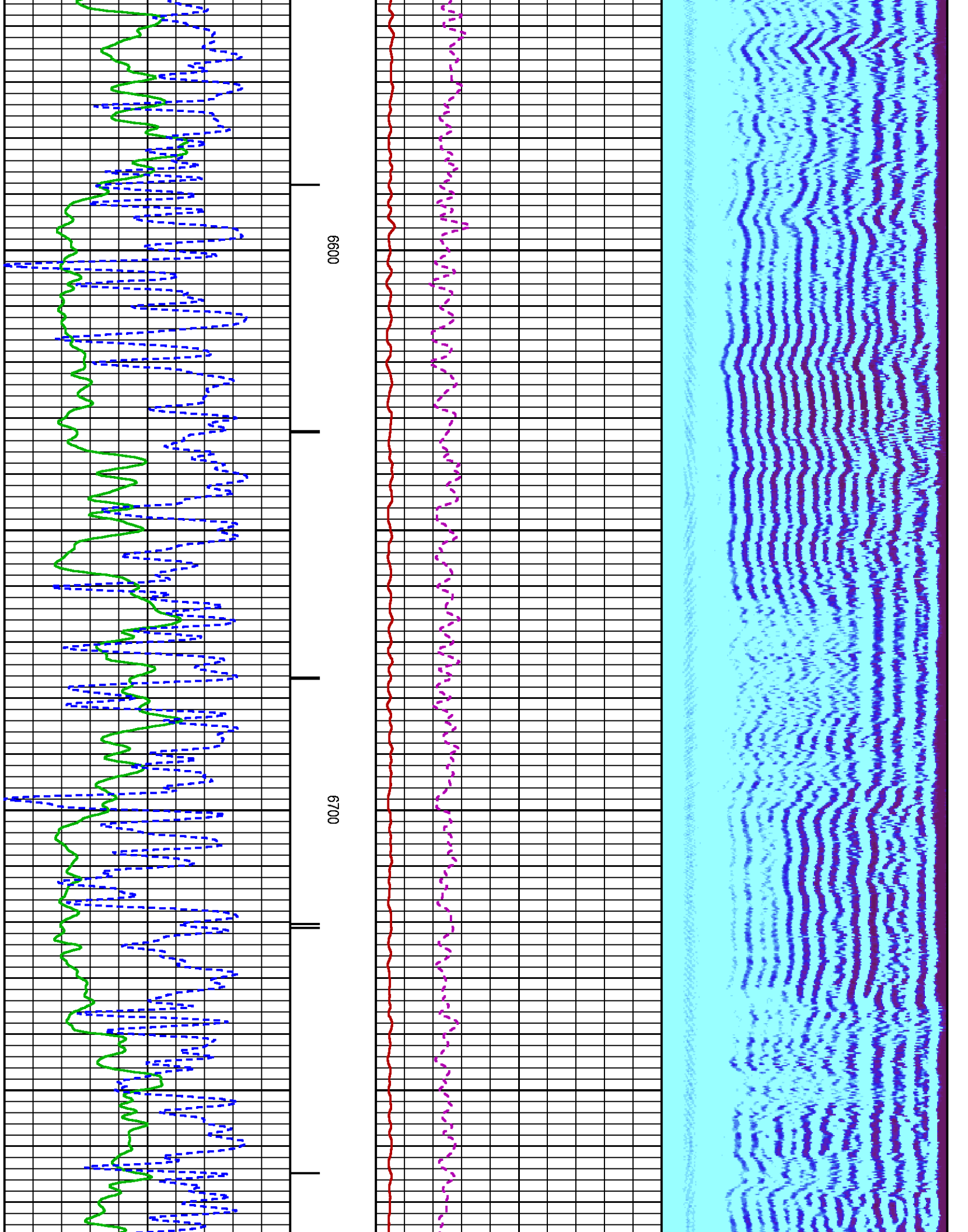


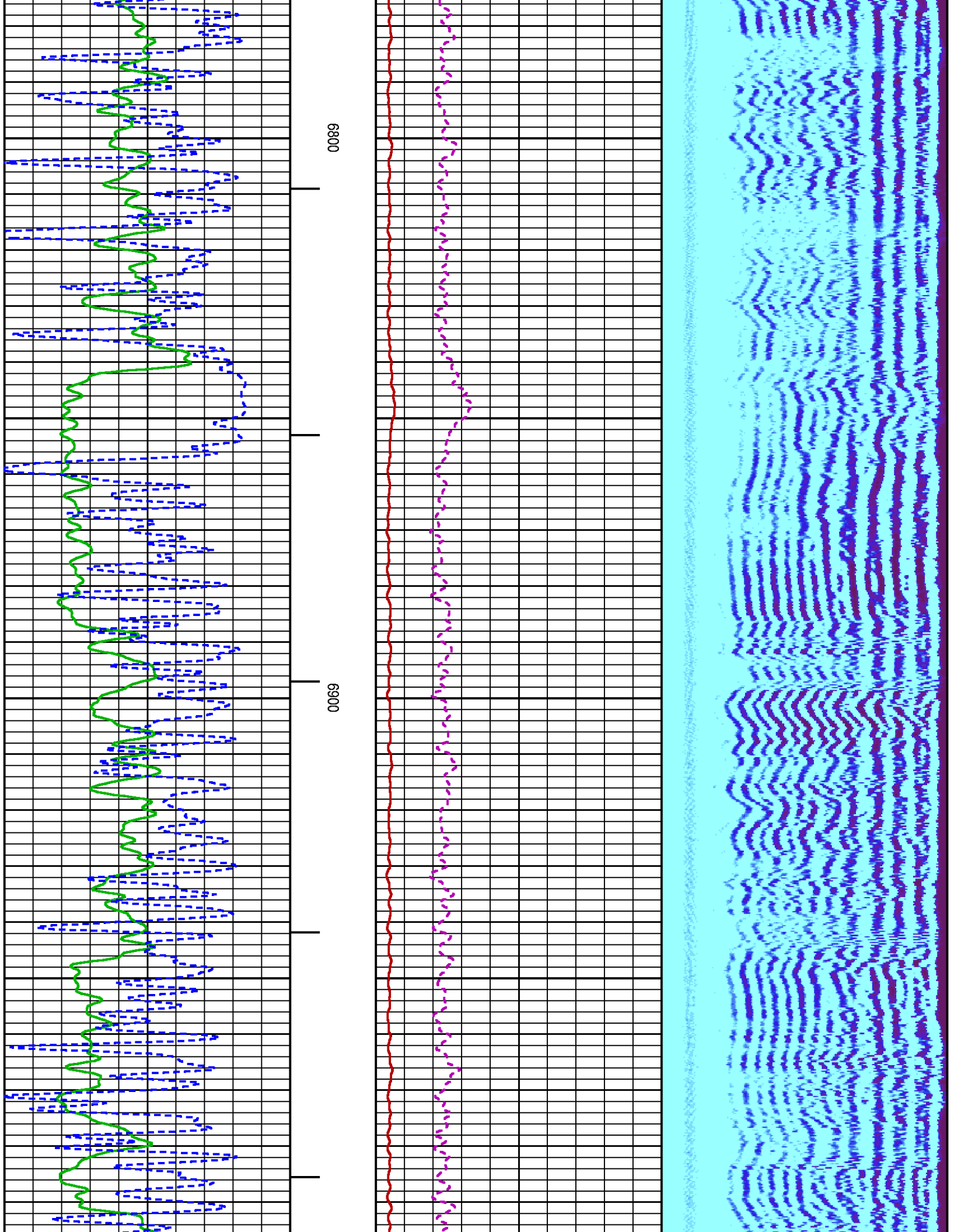


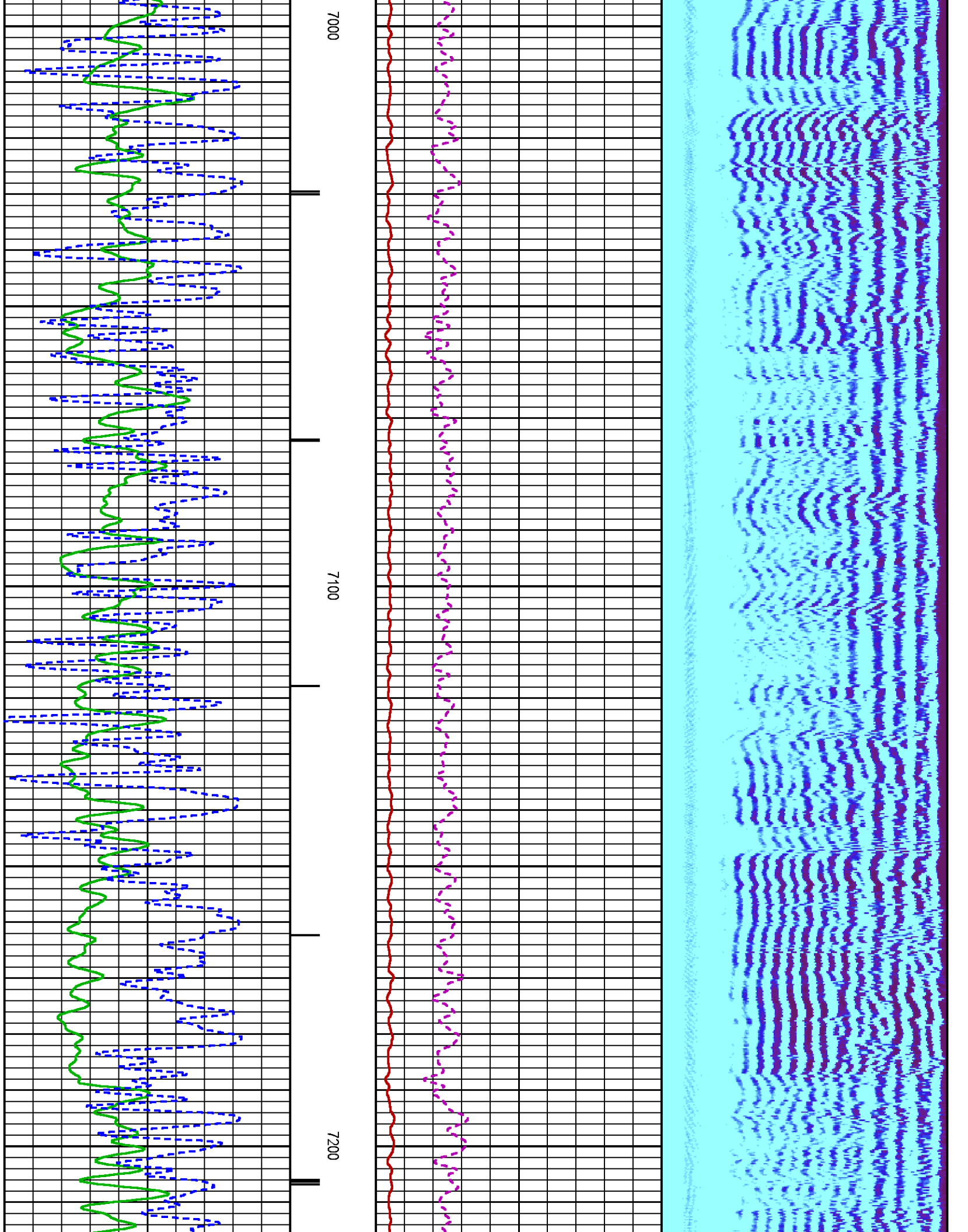


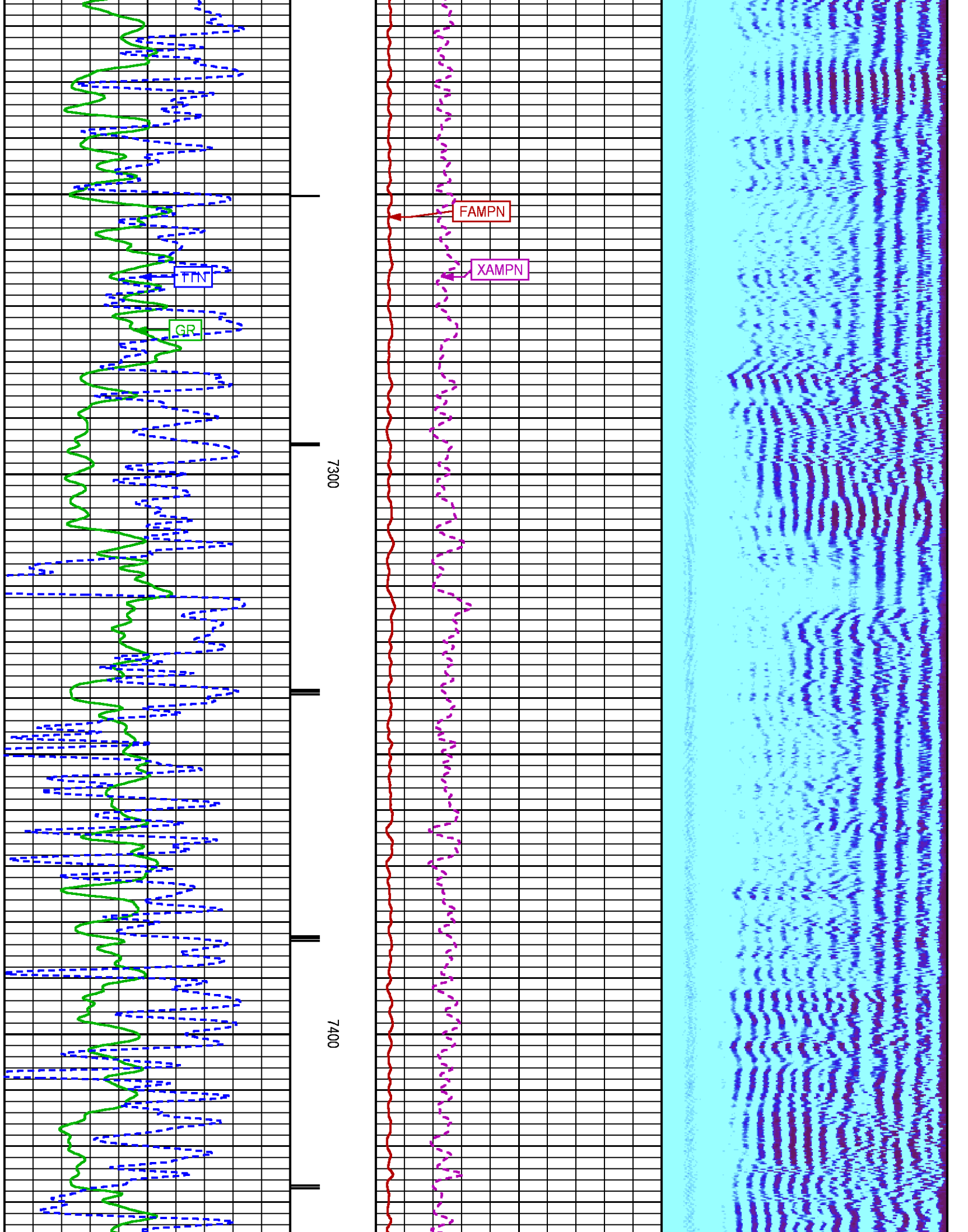


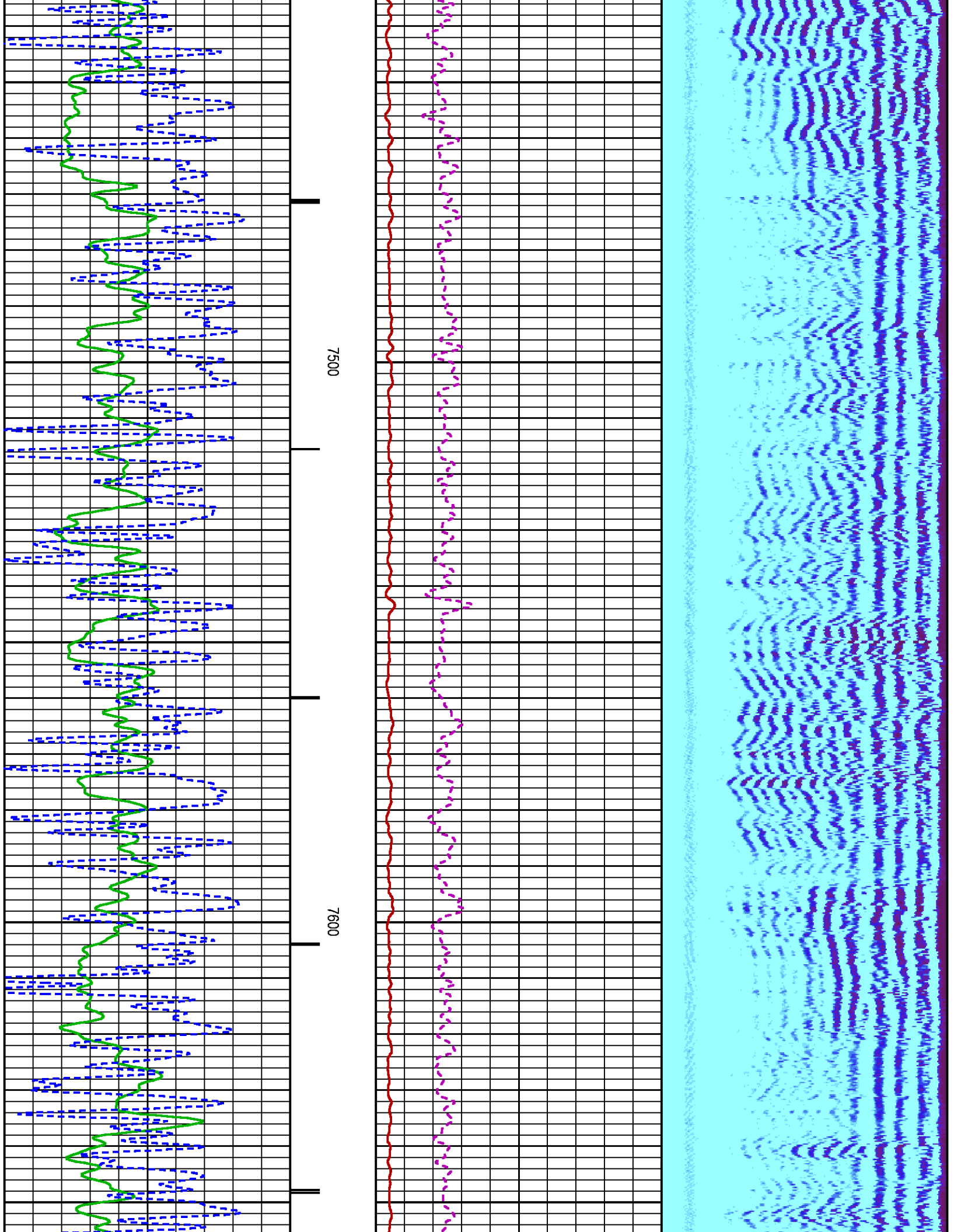


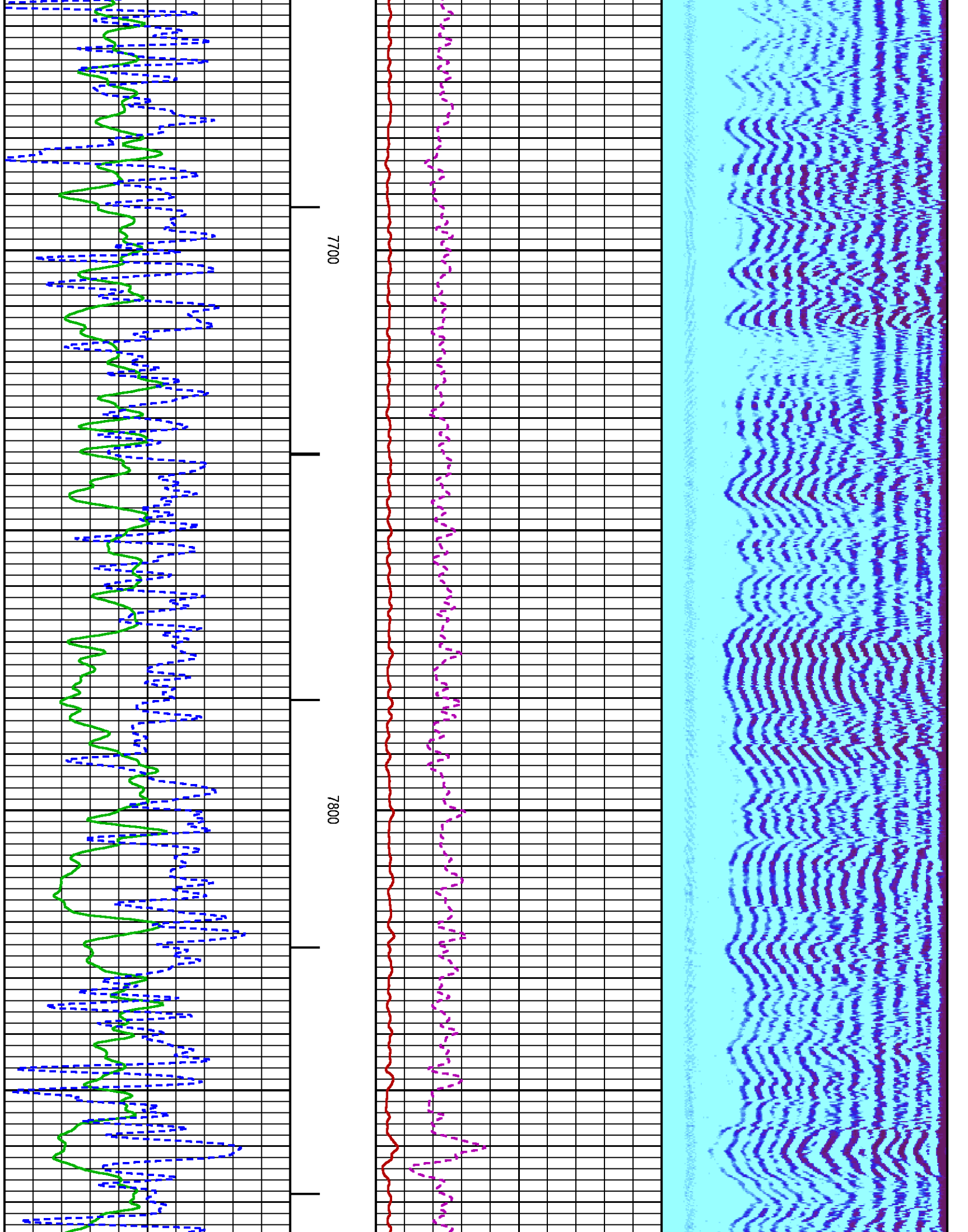


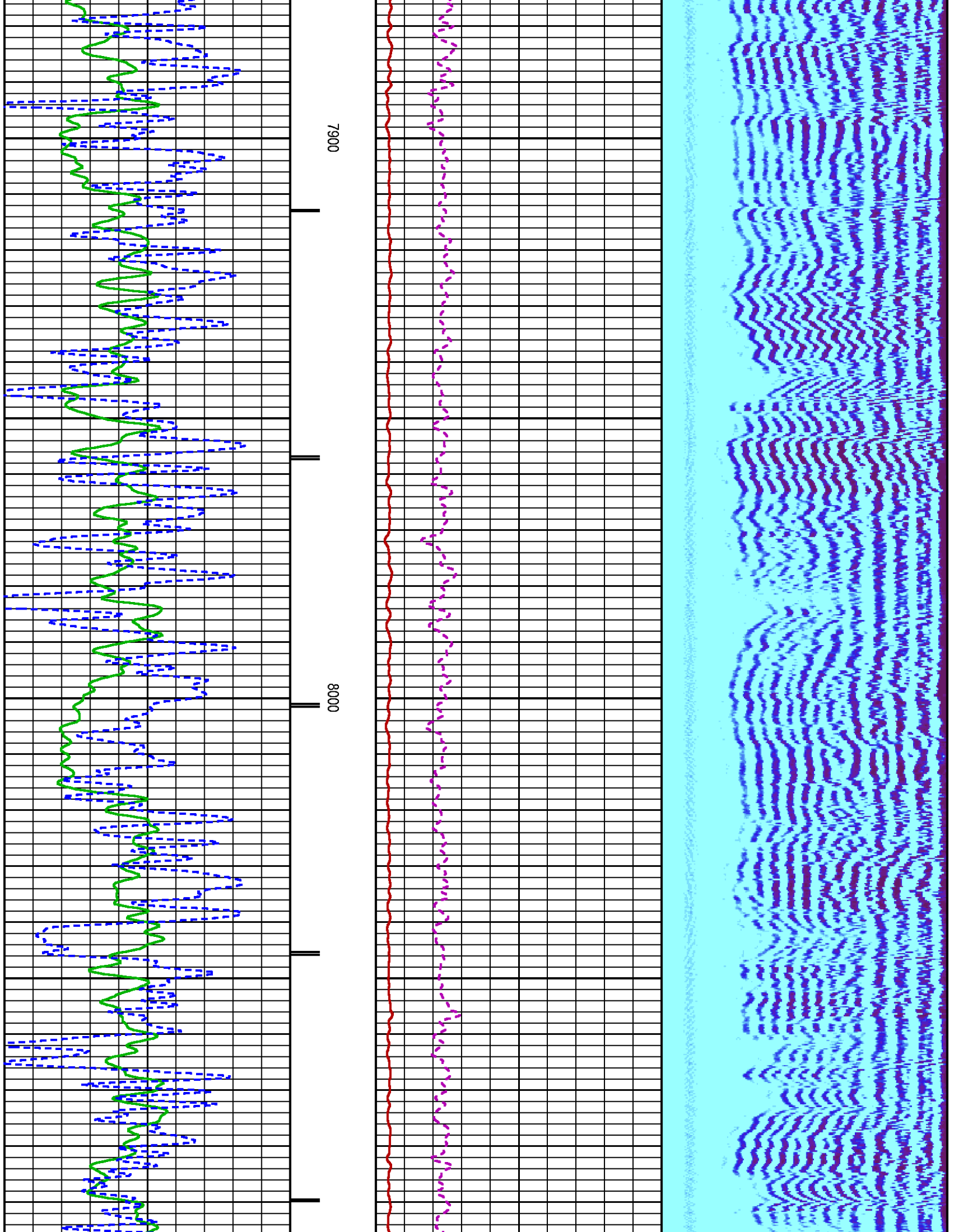


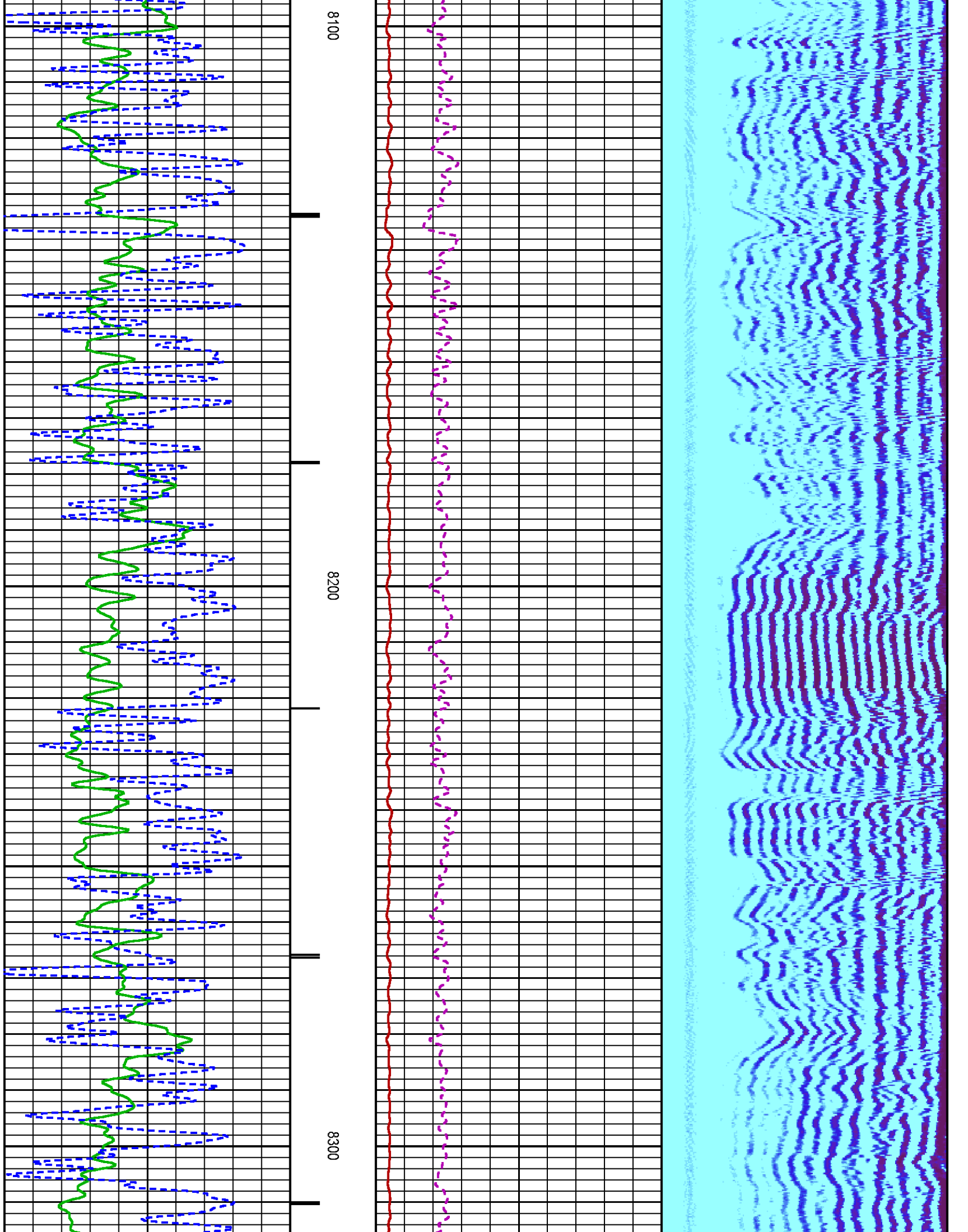


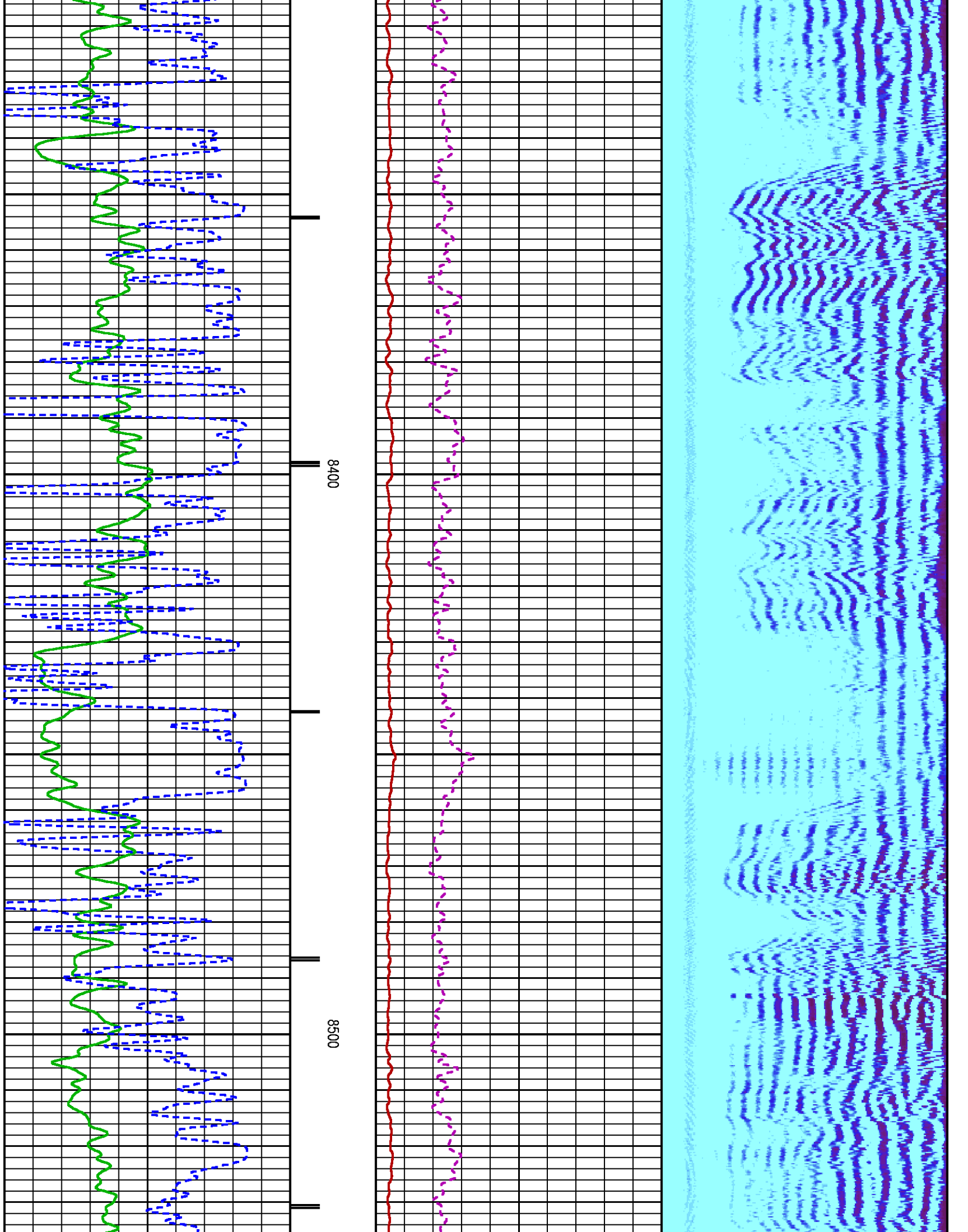


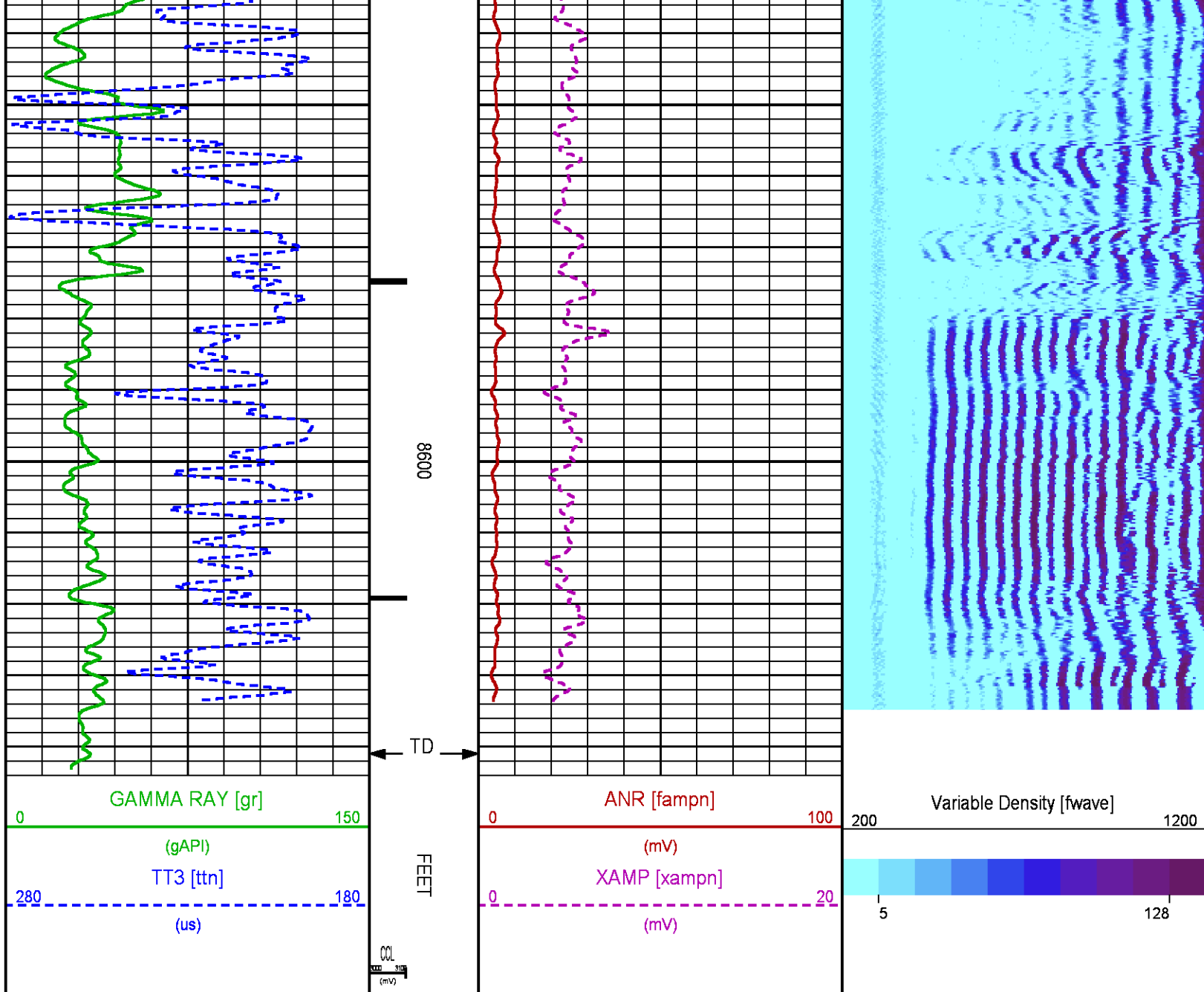












SECONDARY PRESENTATION 0 PSI

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: Fri Jan 09 13:25:17 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093870\012g02.prm
LOGGING MODE: DEPTH
TOP DEPTH: 29.000 ft
DIRECTION: UP
BOTTOM DEPTH: 8638.758 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*)	186	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	186	us	"	"
	AMP WINDOW START (fgp3*)	186	us	"	"
	AMP WINDOW START (fgp4*)	186	us	"	"
	AMP WINDOW START (fgp5*)	186	us	"	"
	AMP WINDOW START (fgp6*)	186	us	"	"
	AMP WINDOW START (fgp7*)	186	us	"	"
	AMP WINDOW START (fgp8*)	186	us	"	"
	AMP WINDOW START (fgpn*)	186	us	"	"
TRAVEL TIME WINDOW (NEAR)	AMP WINDOW LENGTH	25	us	"	"
	TT WINDOW START (ttn*)	195	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	215.678	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	"	"
	TOOL DELAY (strn*)	-70	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	140	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	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Jan 9 12:23:04 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 9 12:23:04 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 9 12:23:05 2015	FAR WAVE FORM
F1:GR	Jan 9 12:23:05 2015	GAMMA RAY
F1:PBMAP	Jan 9 12:23:05 2015	PERCENT BOND CEMENT MAP

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	11.25		
AR3	11.25	AR7	11.25	GR	1.75		
AR4	11.25	AR8	11.25	TTN	11.25		

Presentation

: BHUGHES-06627:C:\dat1a\093870\41_CBL_SECONDARY.fvpdf [5"/100' Scale]

Plot Interval

: 0 - 8650 Feet

Data File 1

: F1 : BHUGHES-06627:C:\dat1a\093870\41_CBL_MAIN.xtf

Created On

: Jan 9 12:23:04 2015

Company

: WPX ENERGY

Well

: FEDERAL PA 41-27

Field

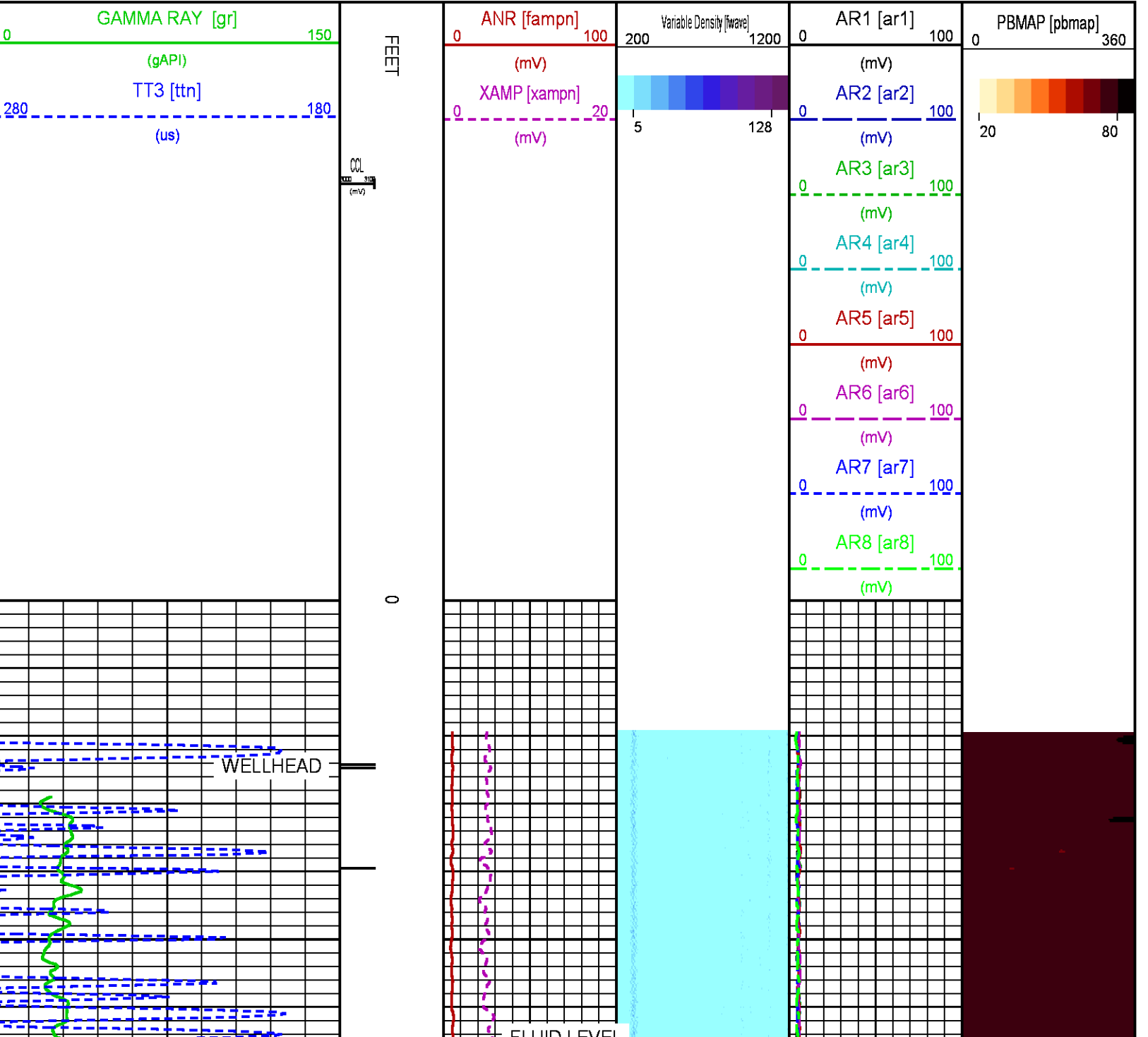
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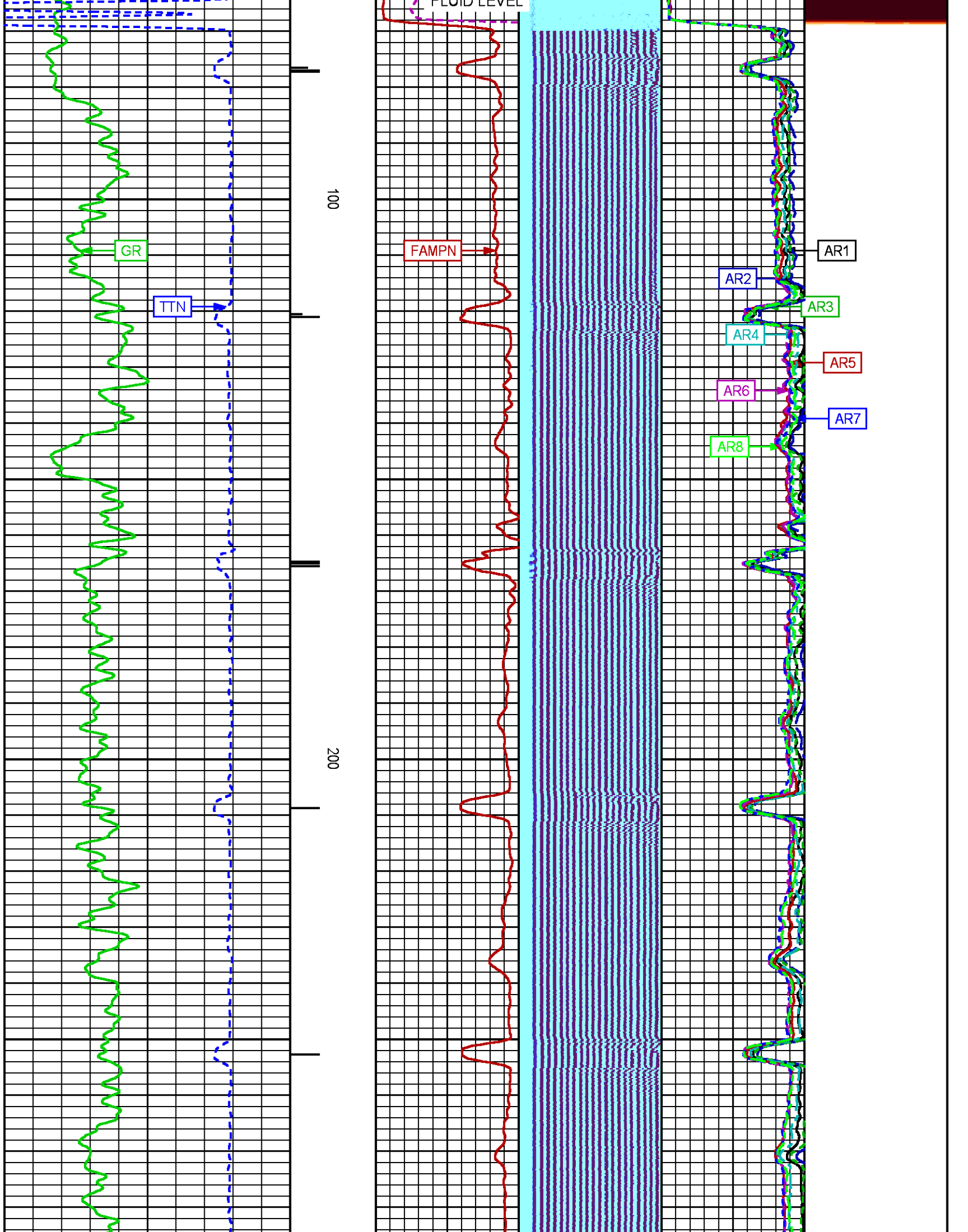
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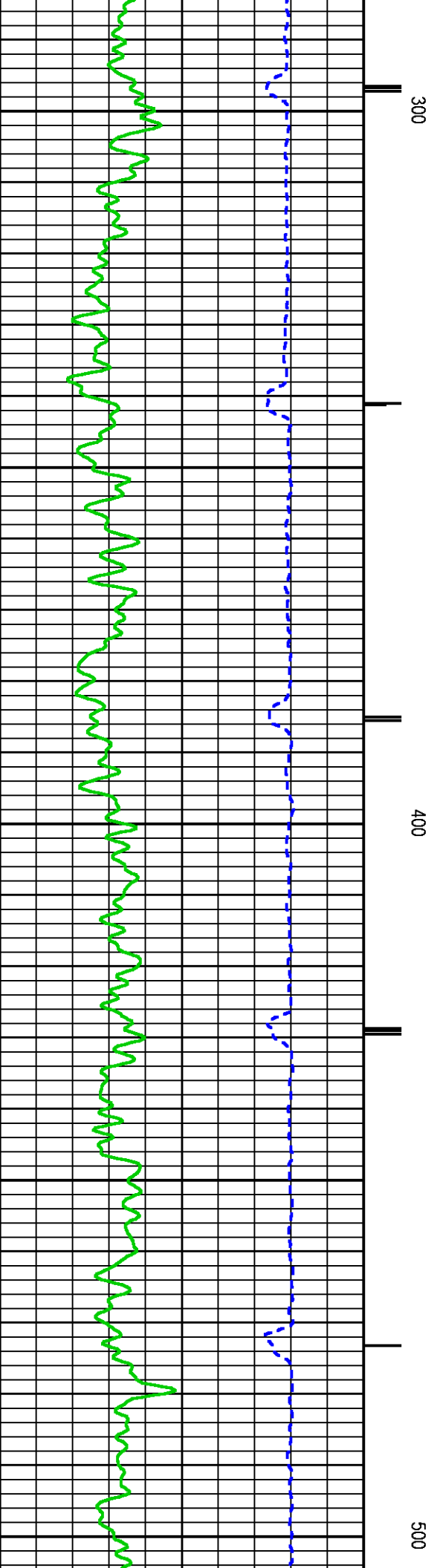
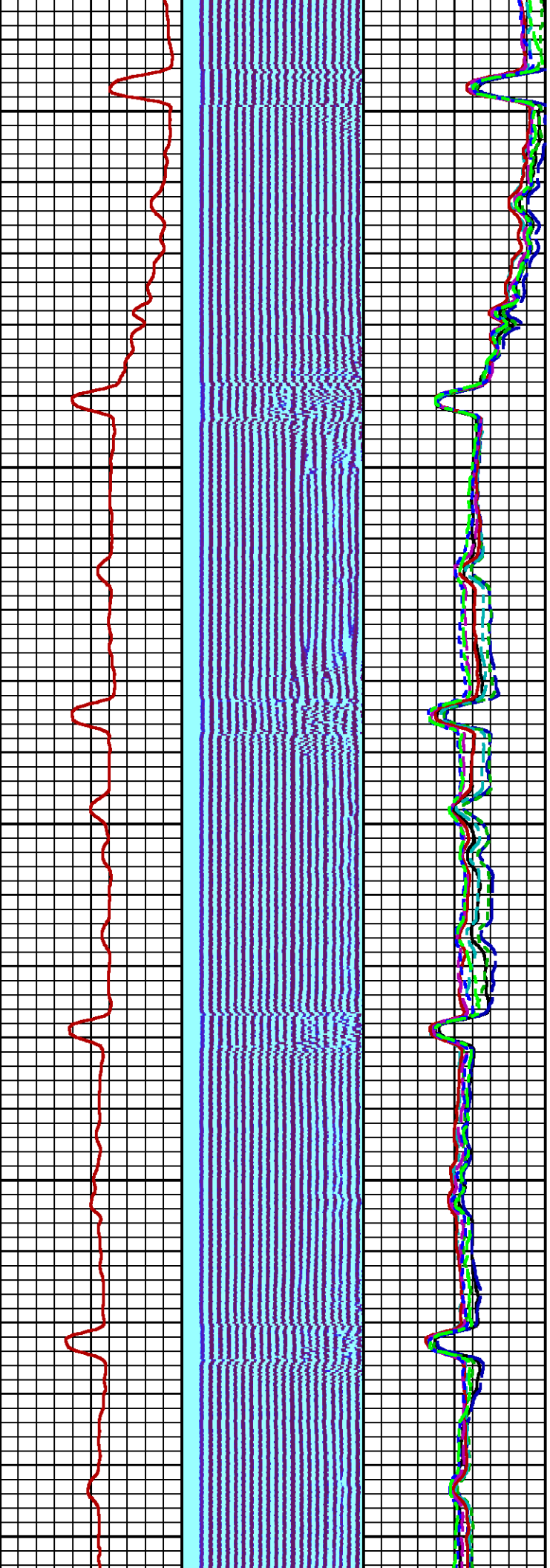
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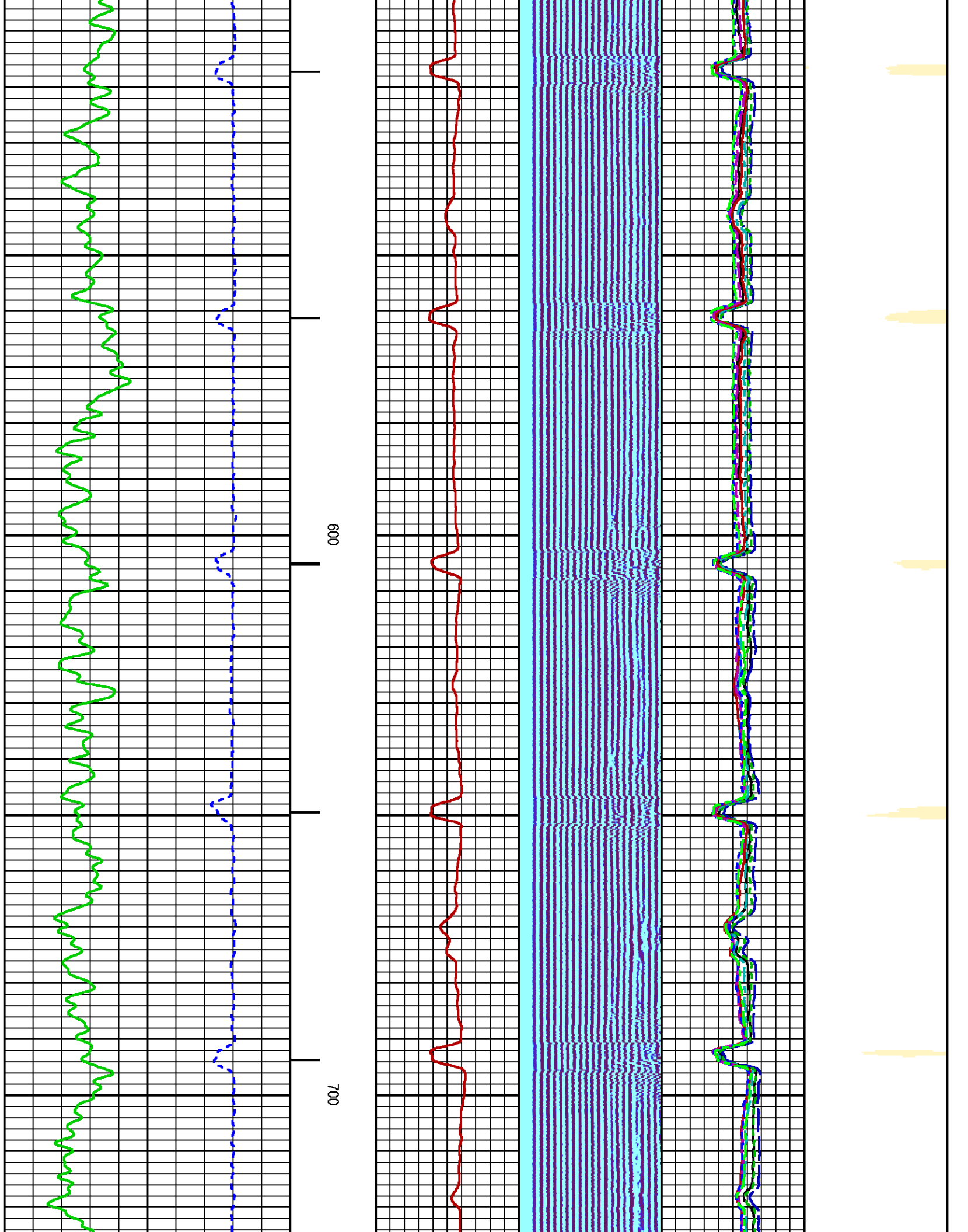
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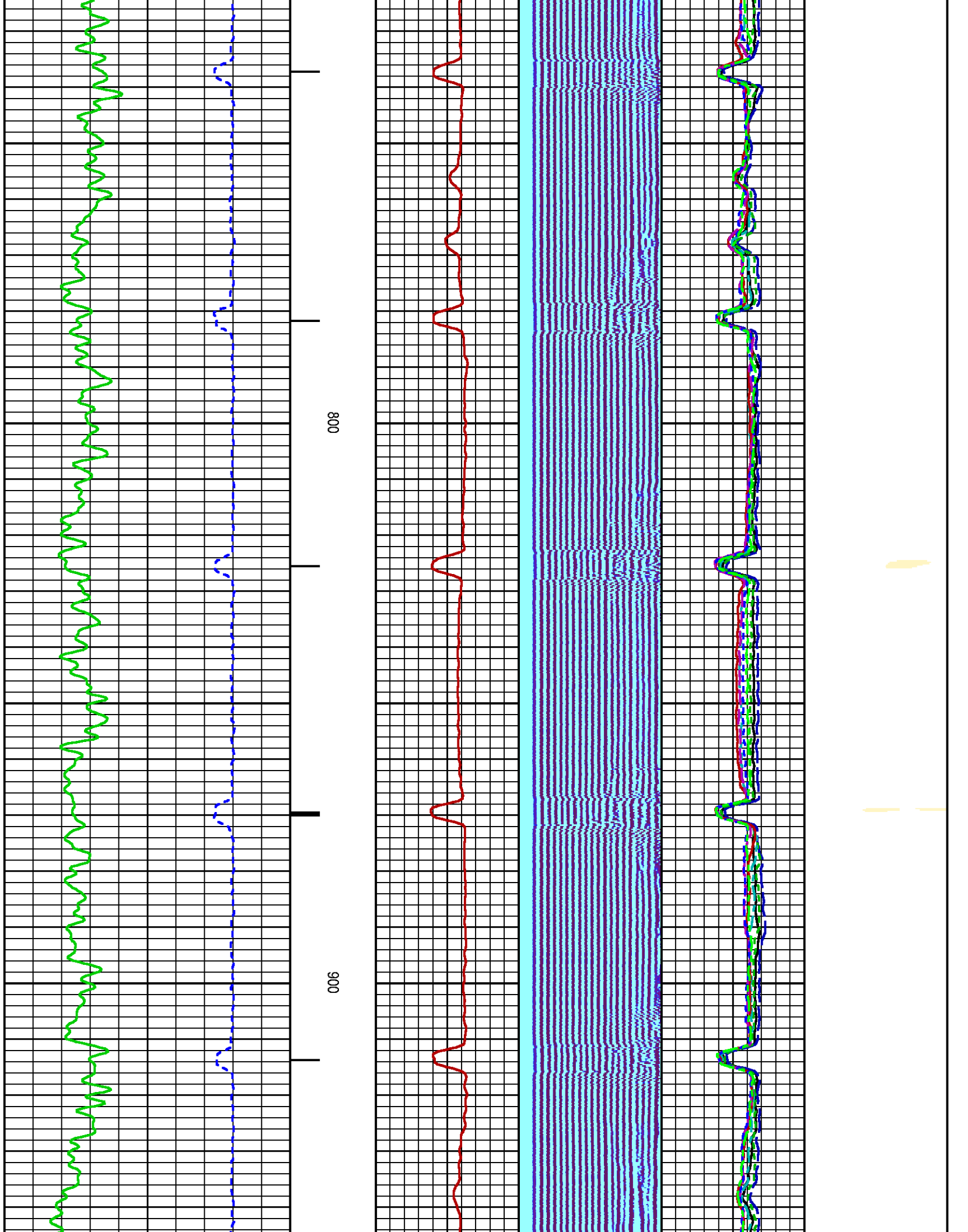
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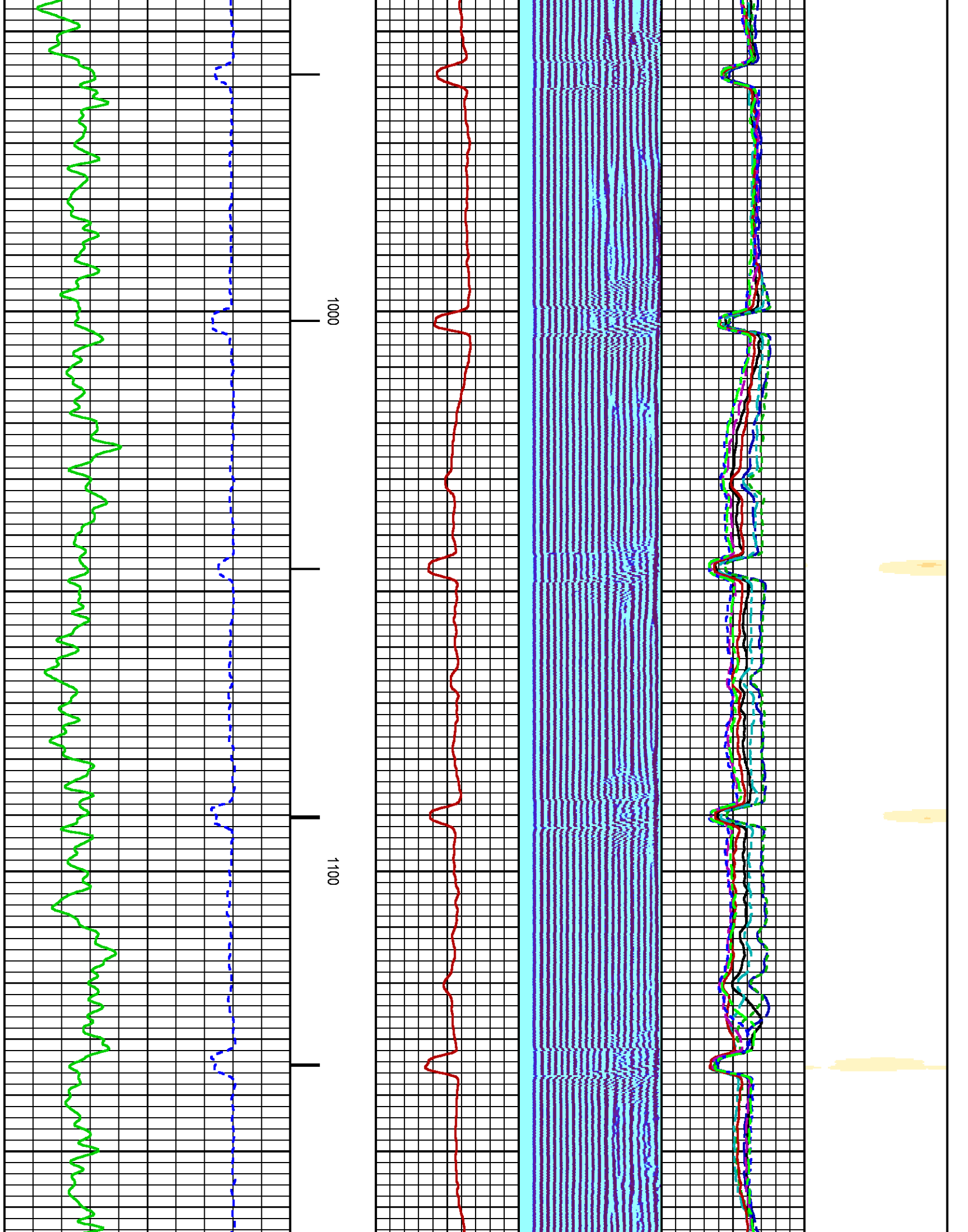


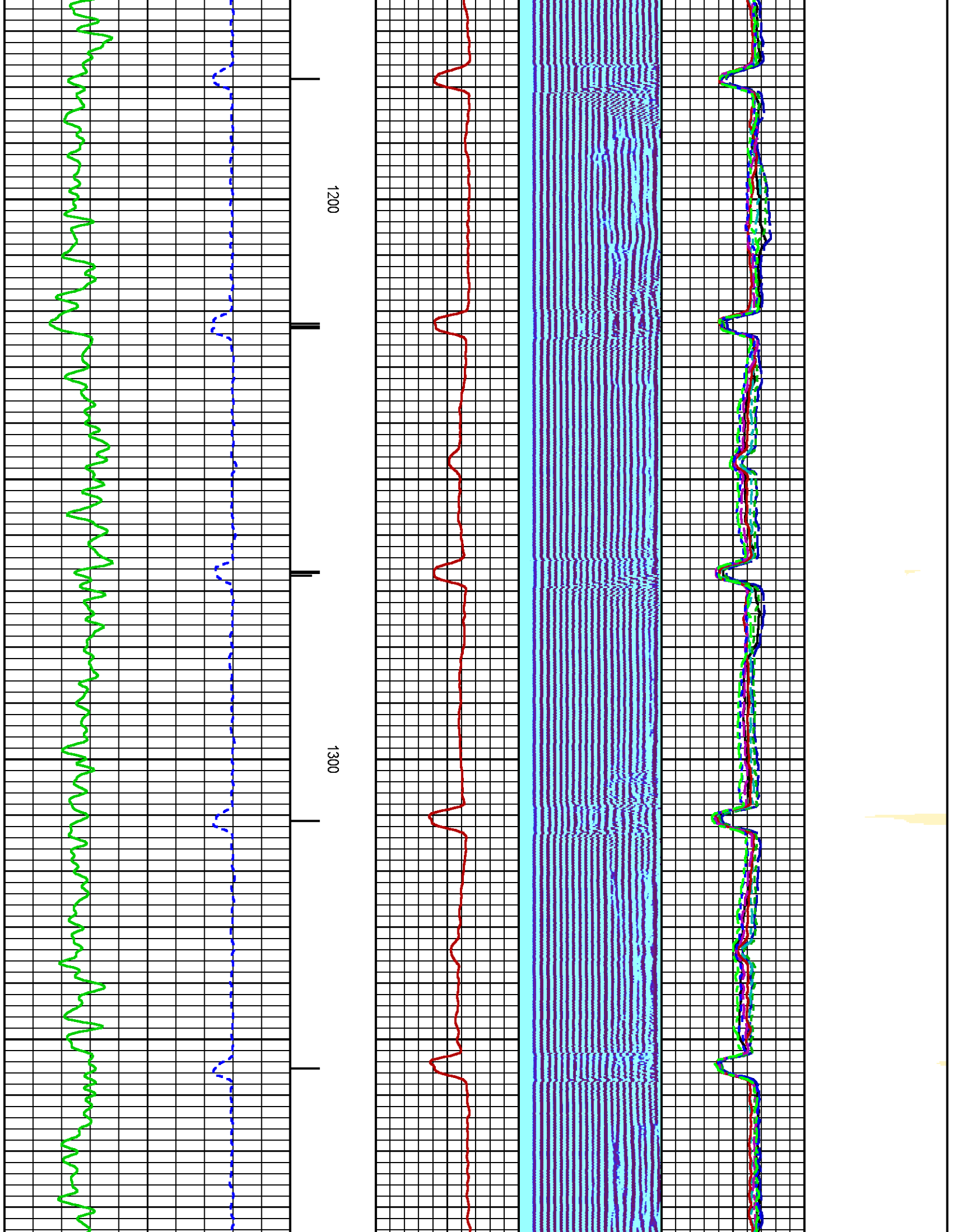


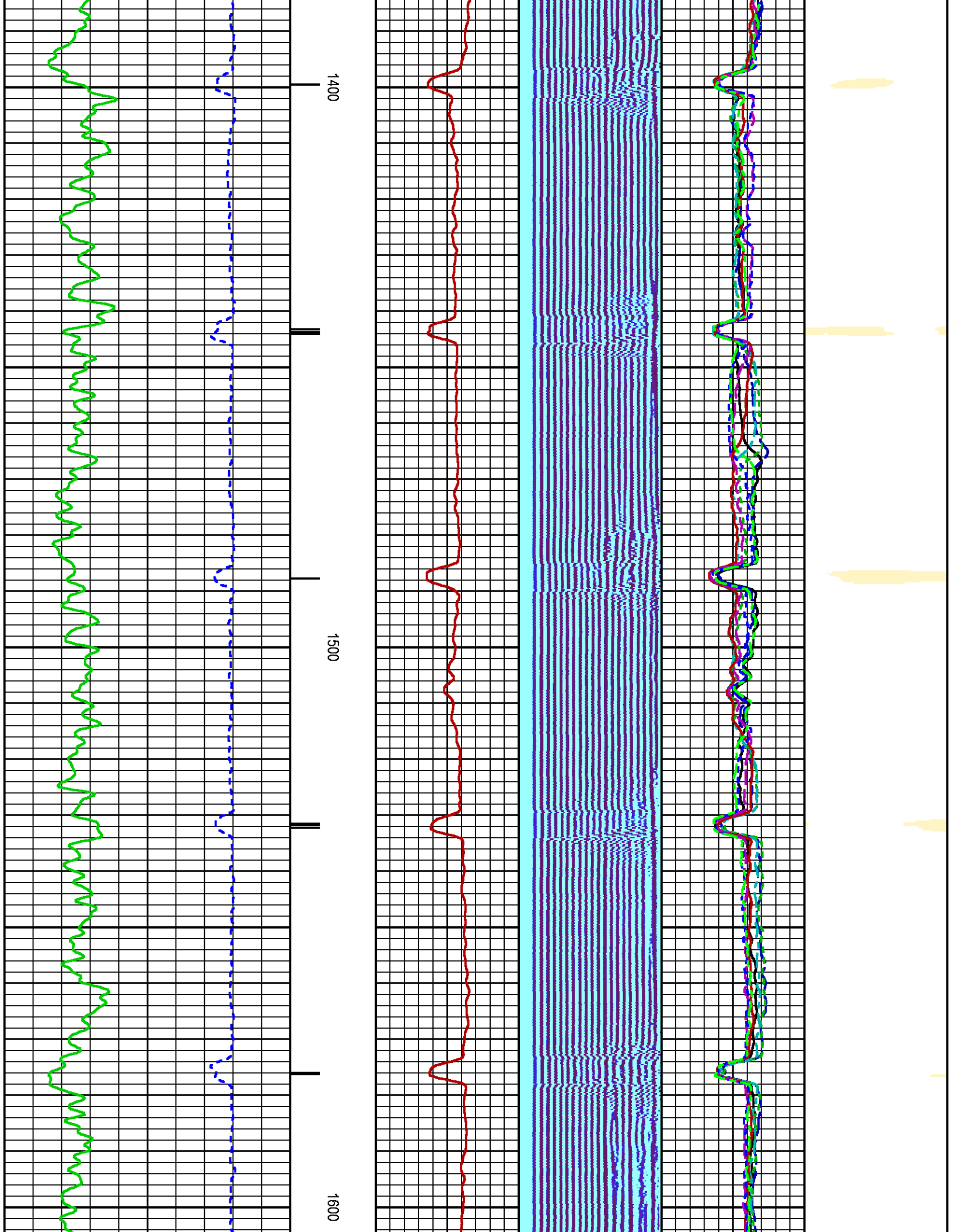


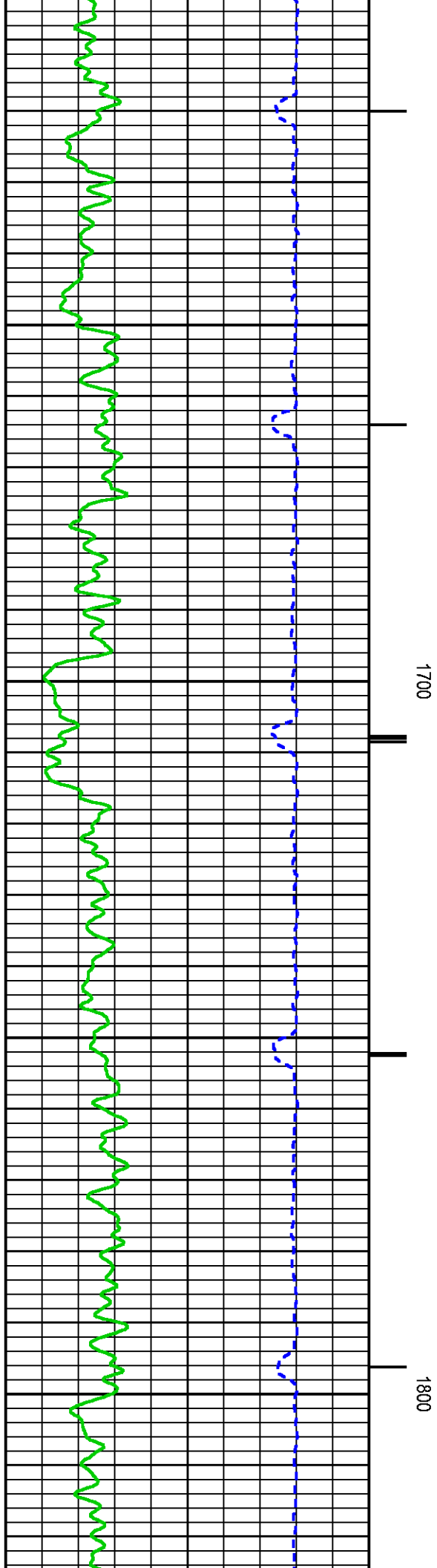
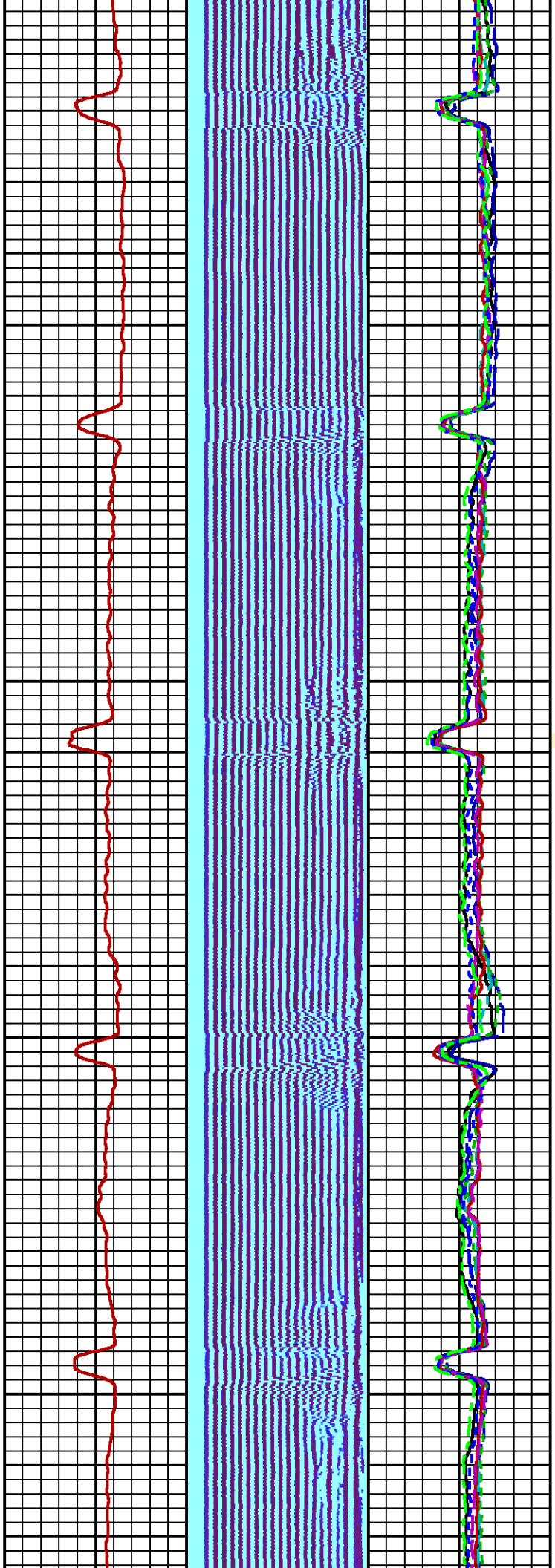


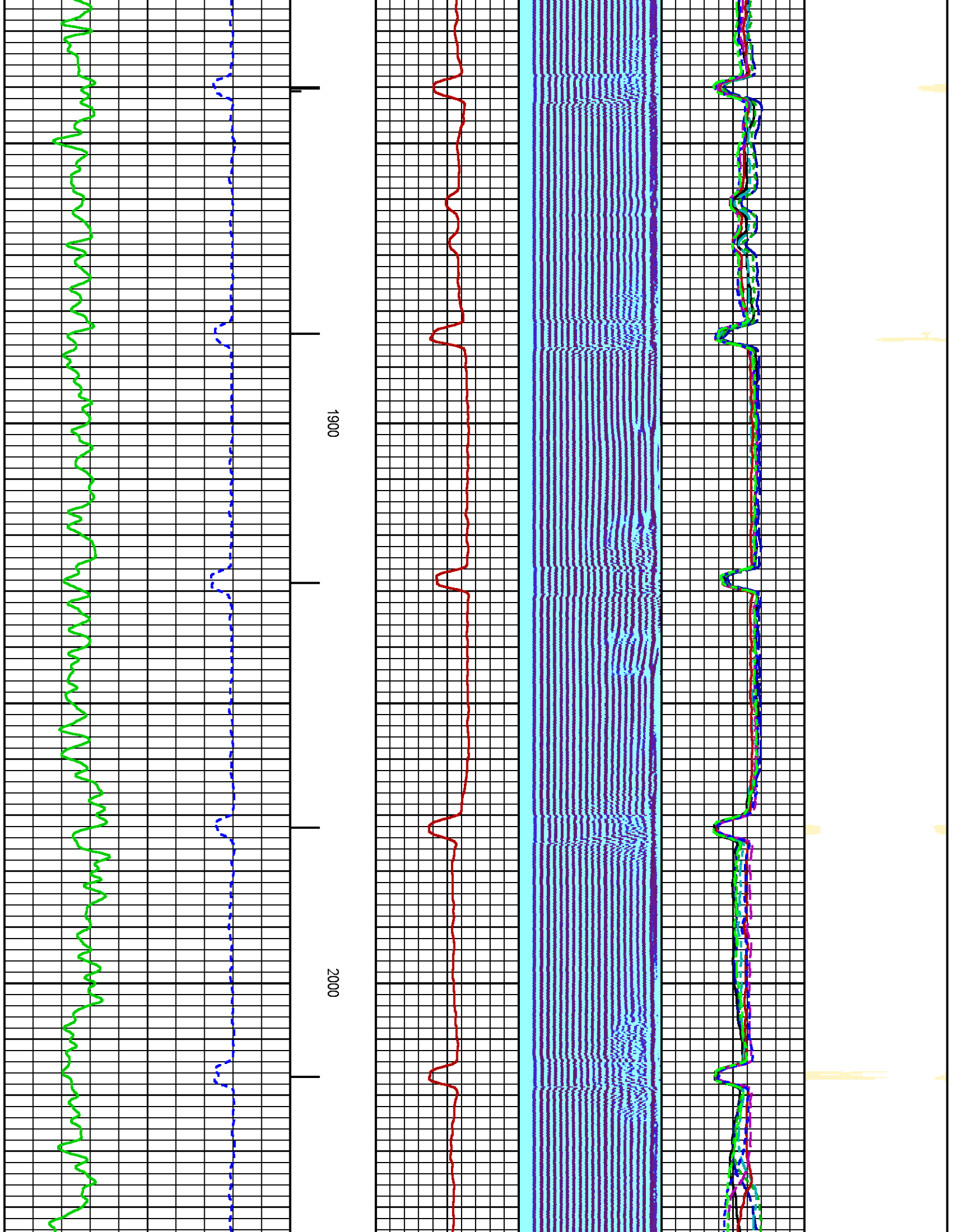


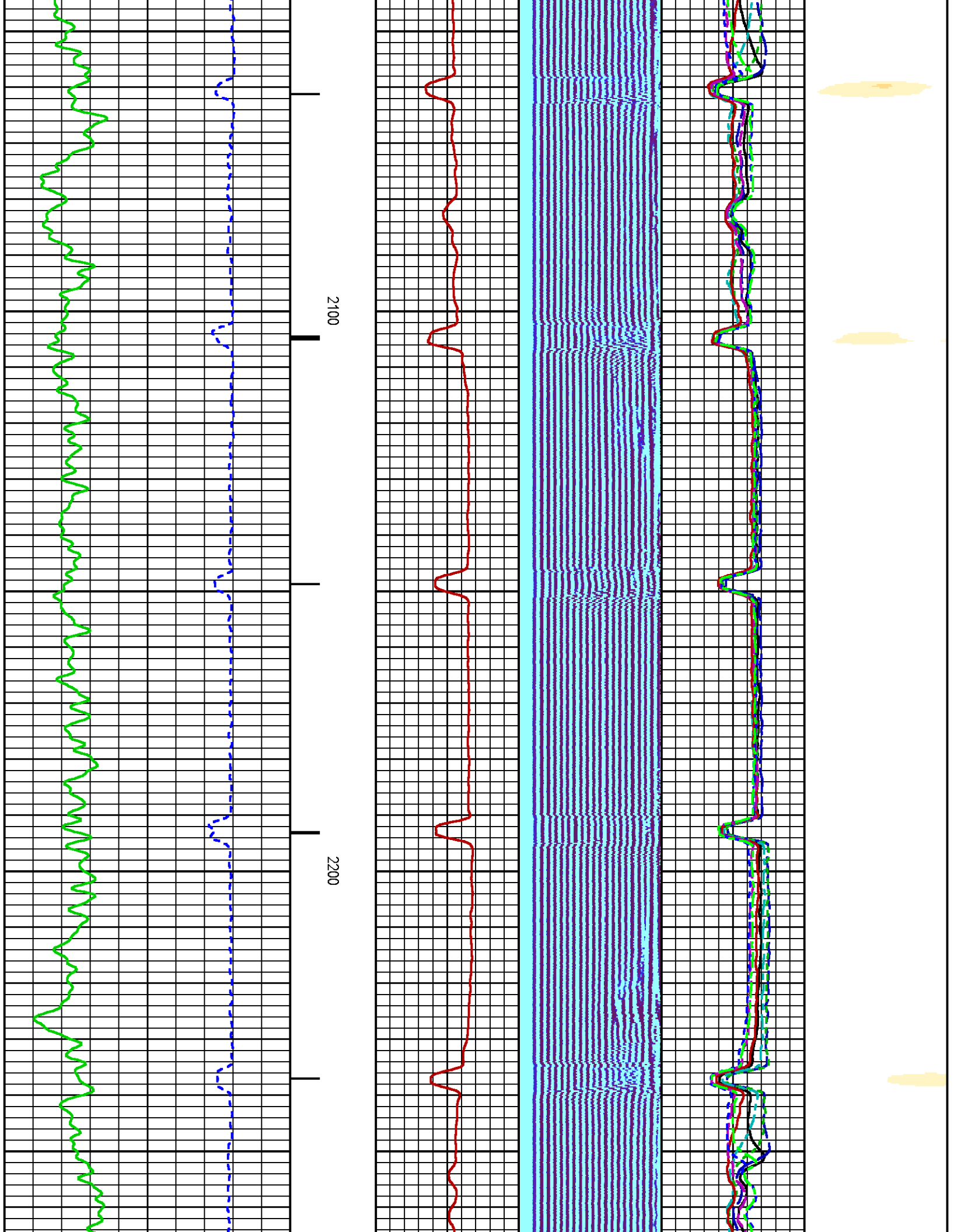


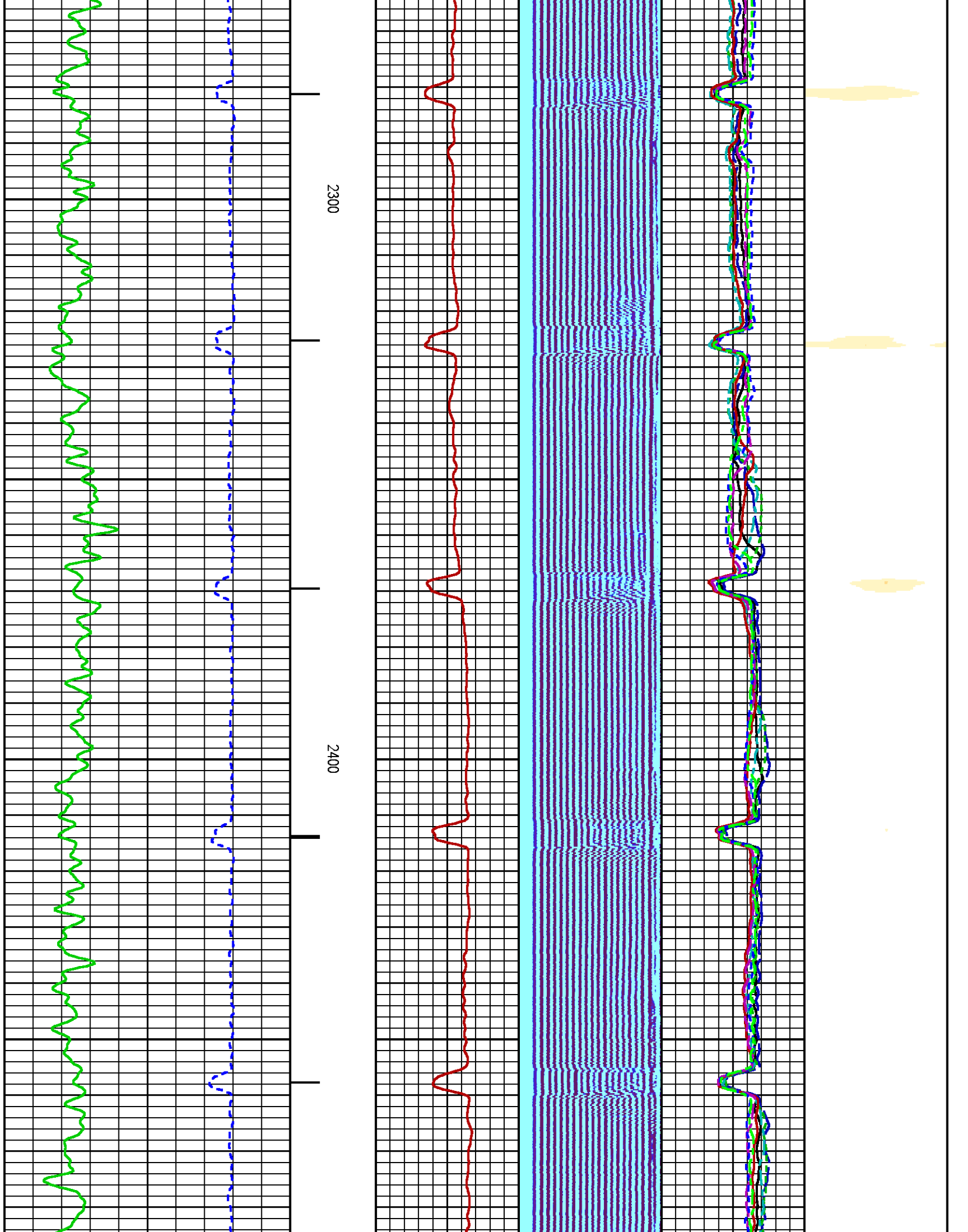


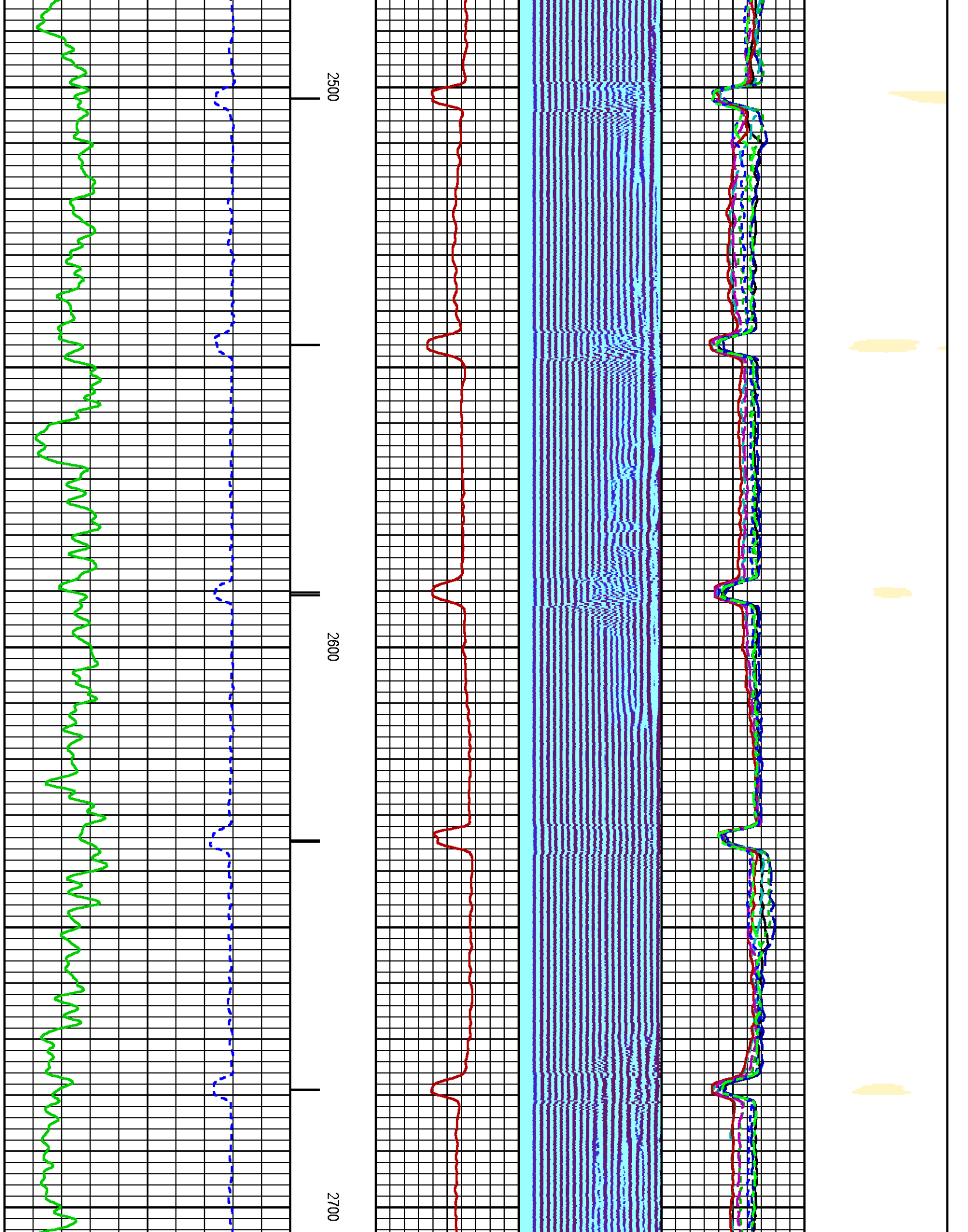




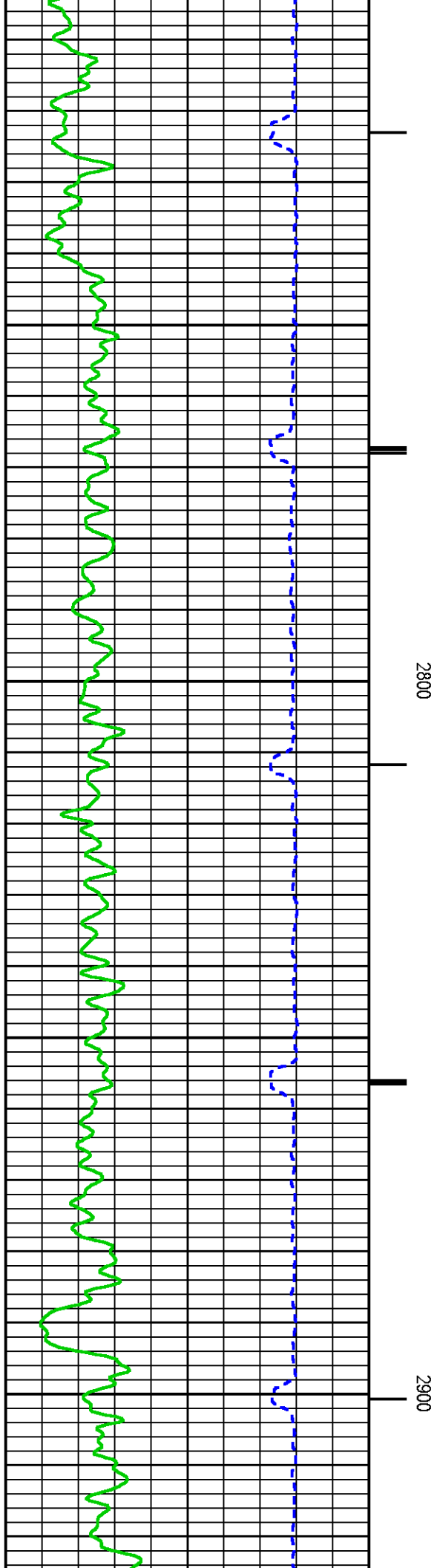
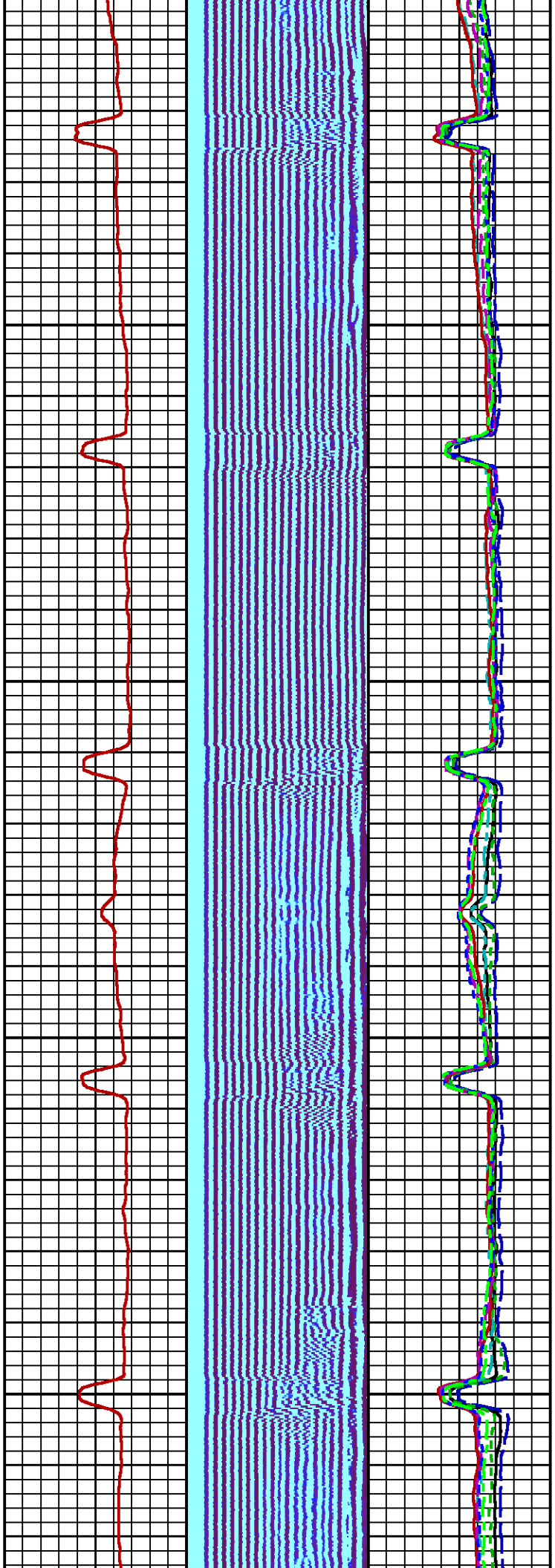


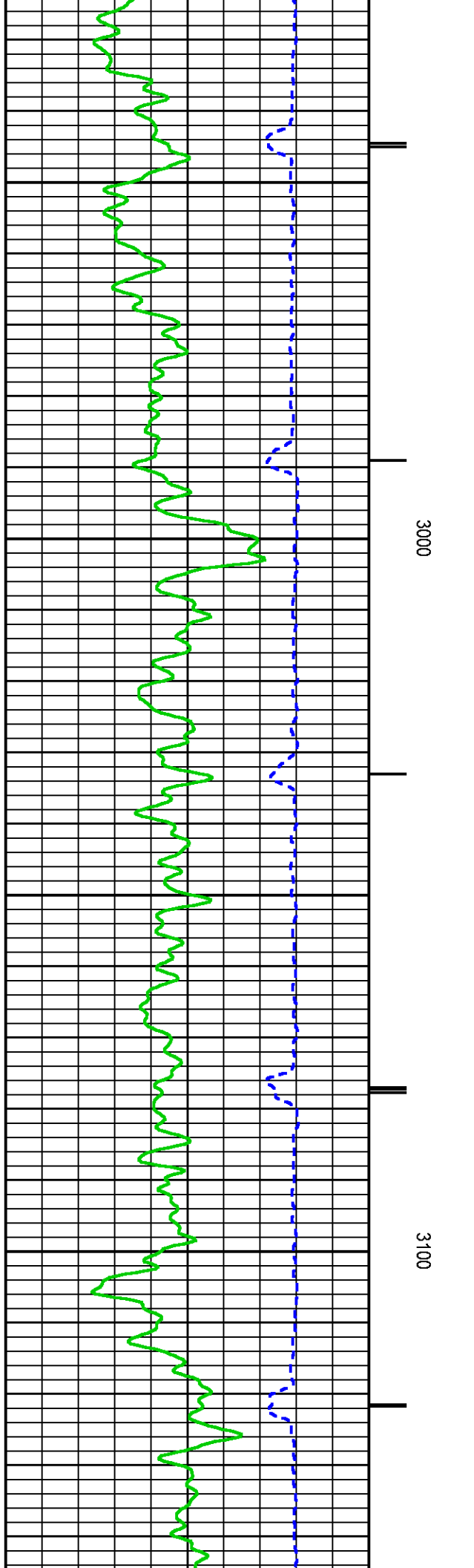
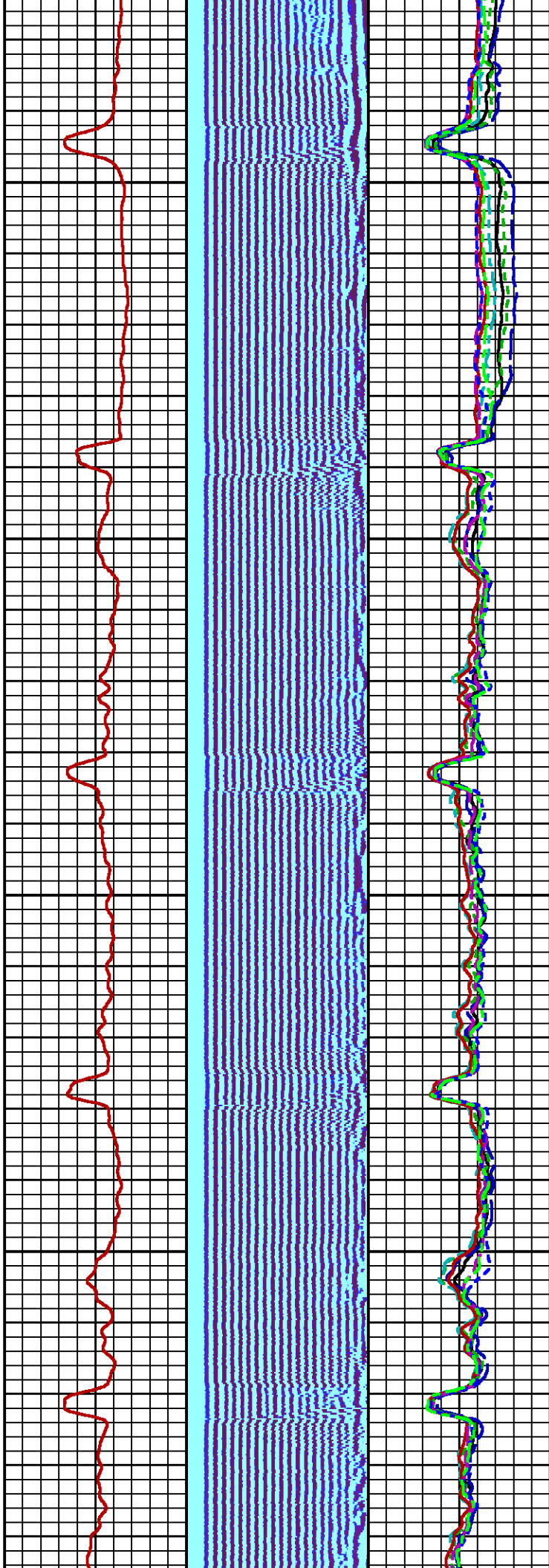
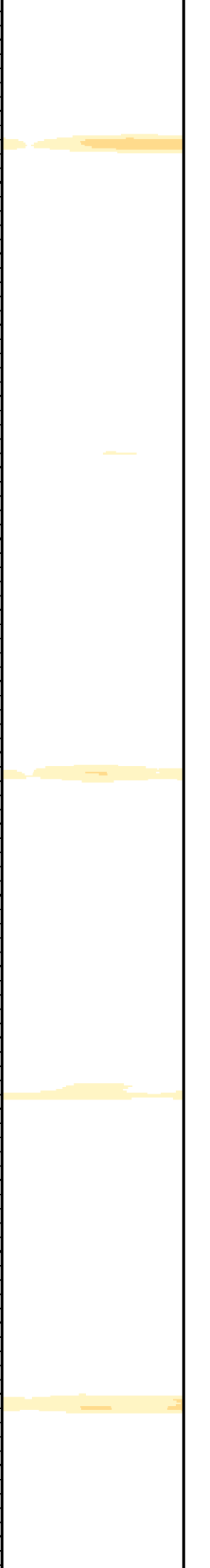


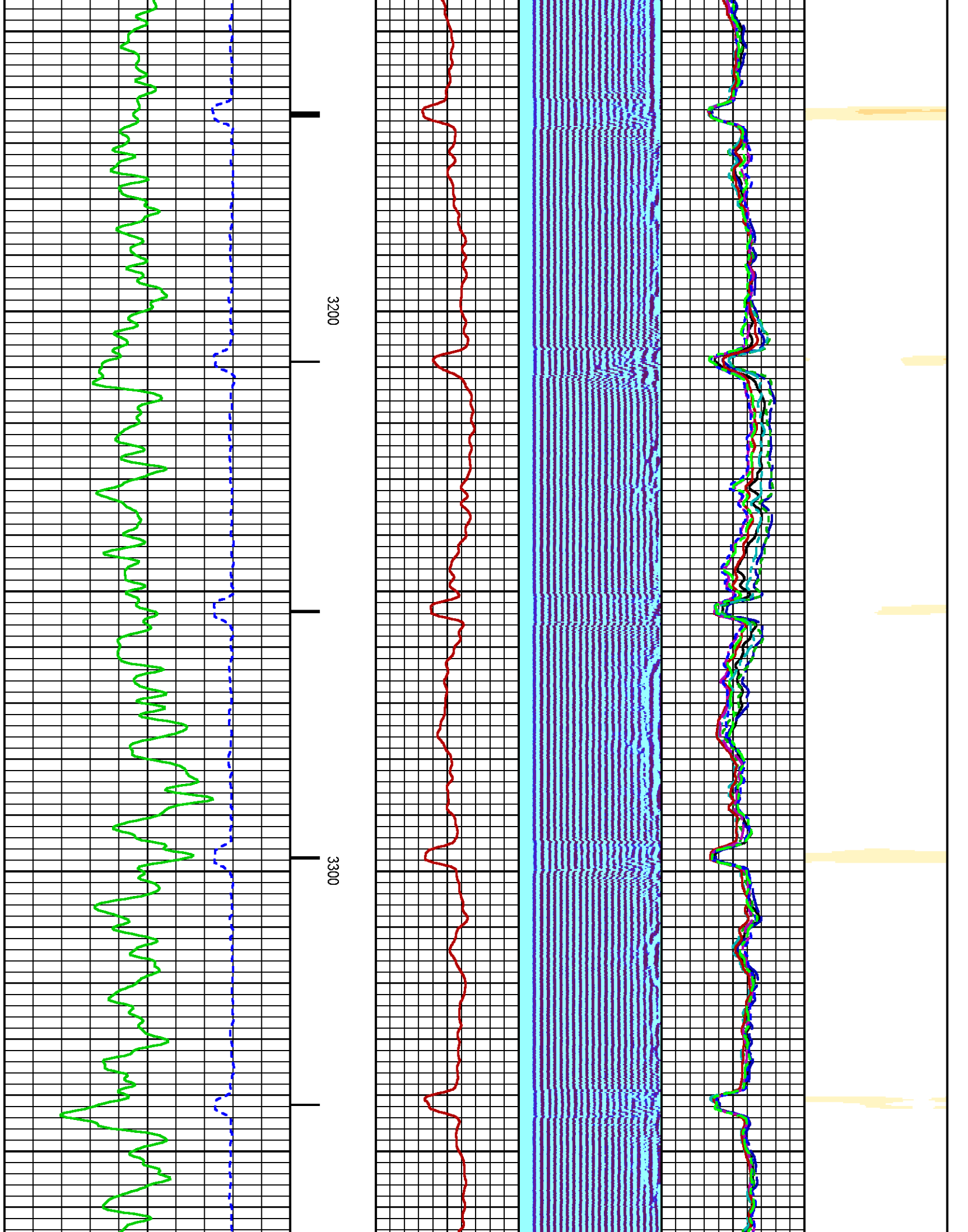


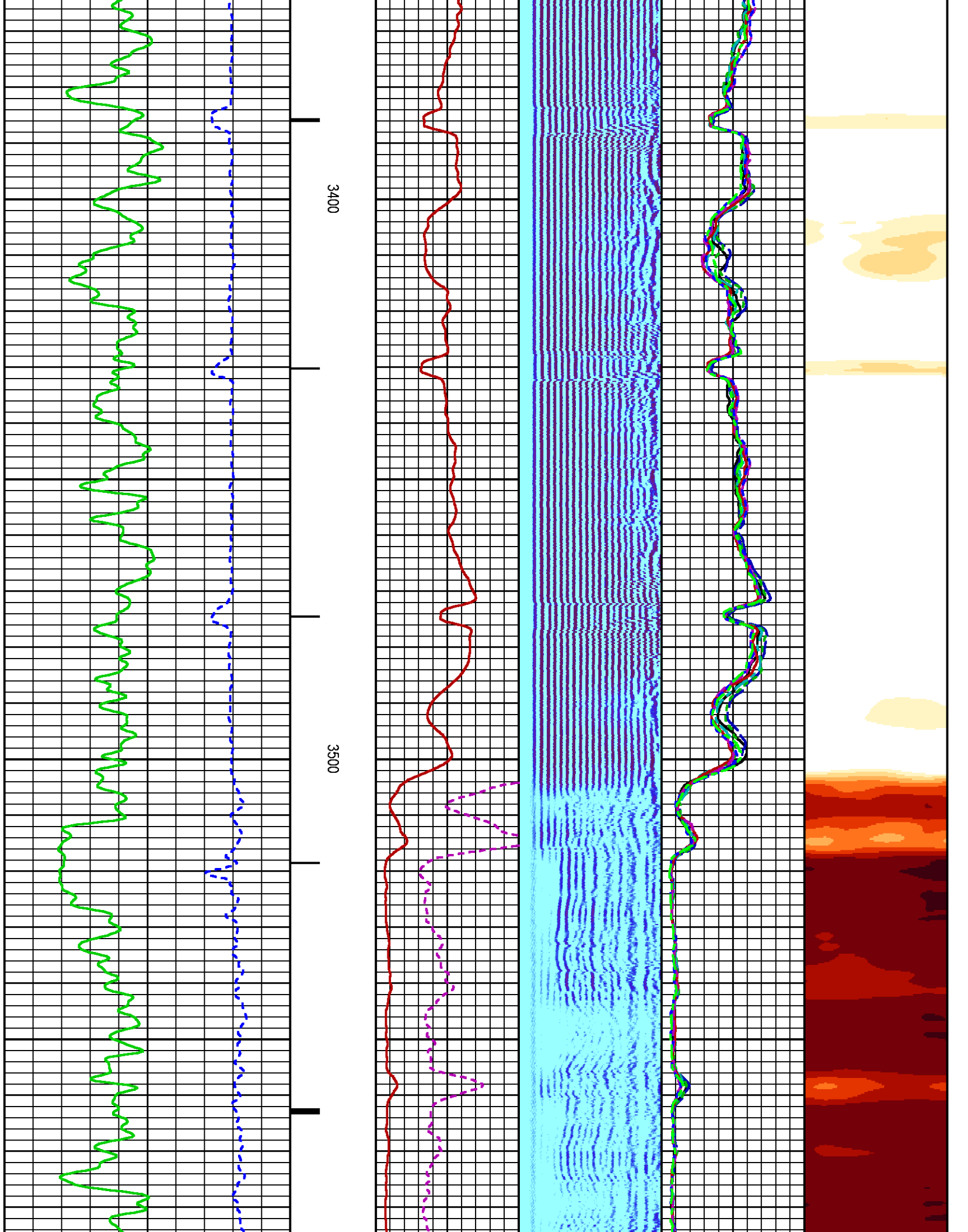


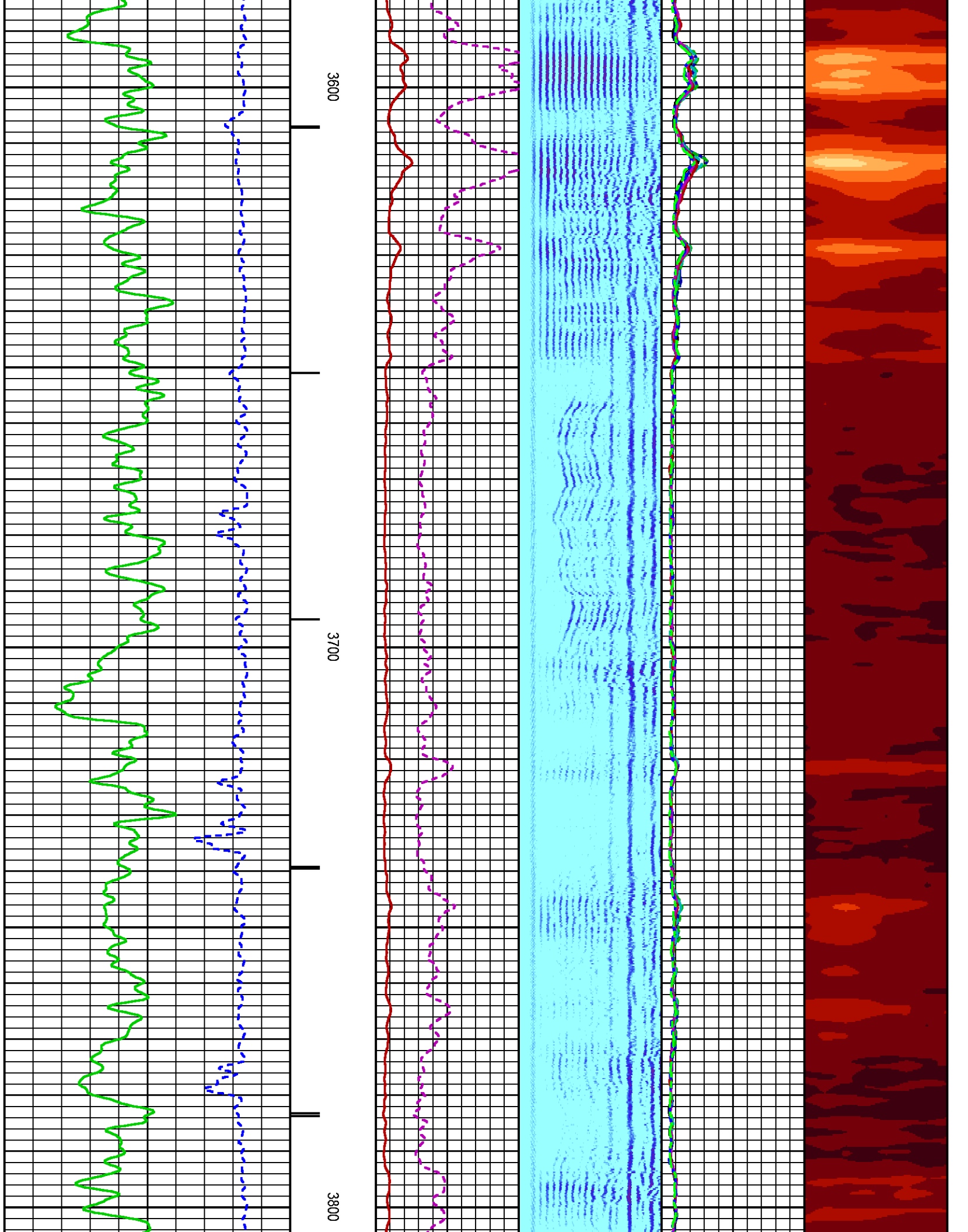
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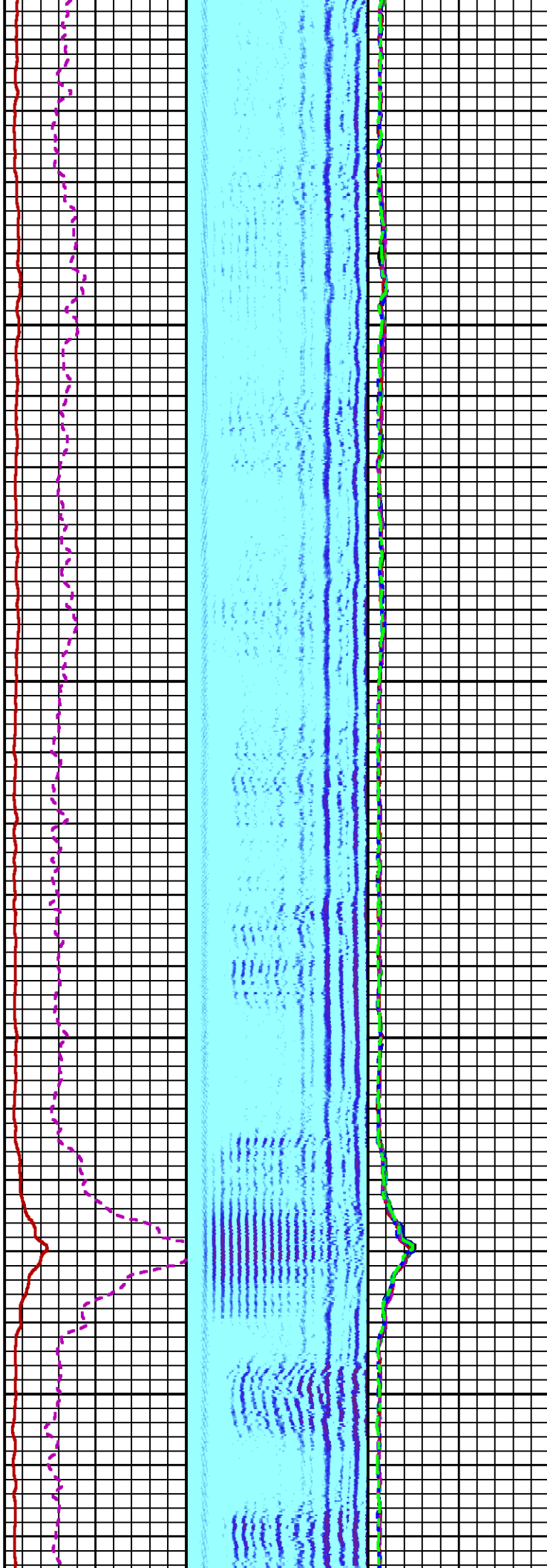
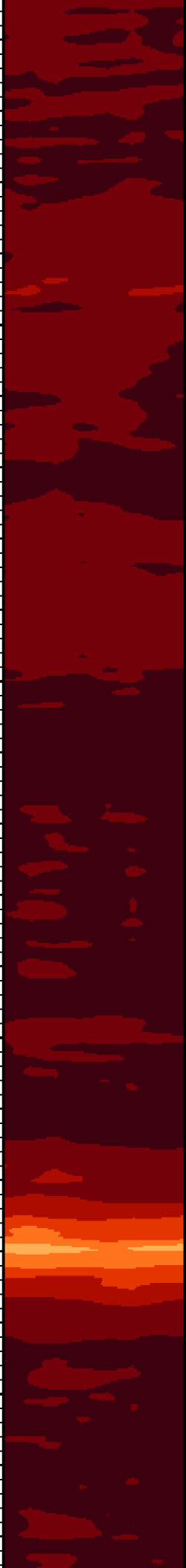






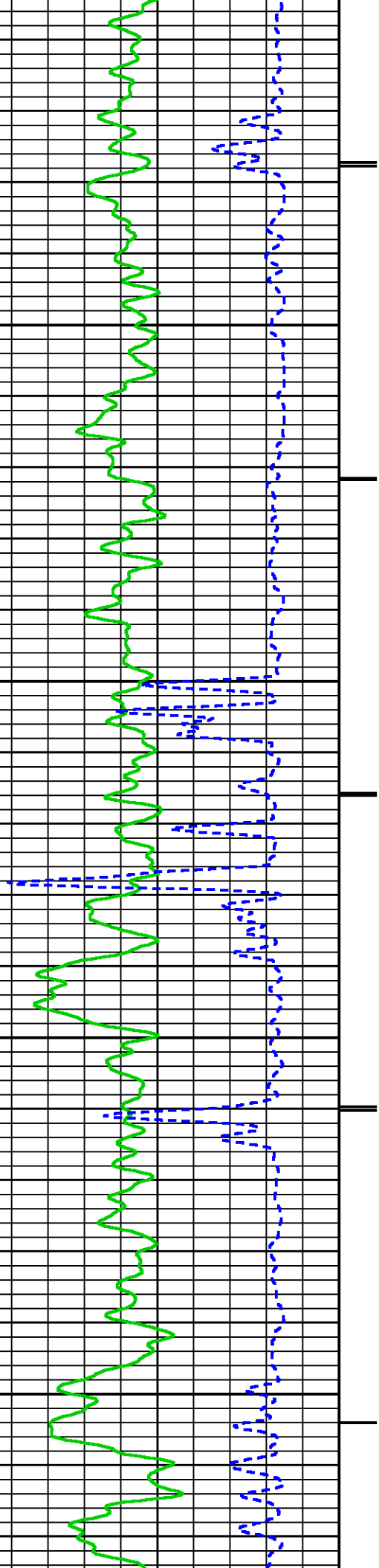


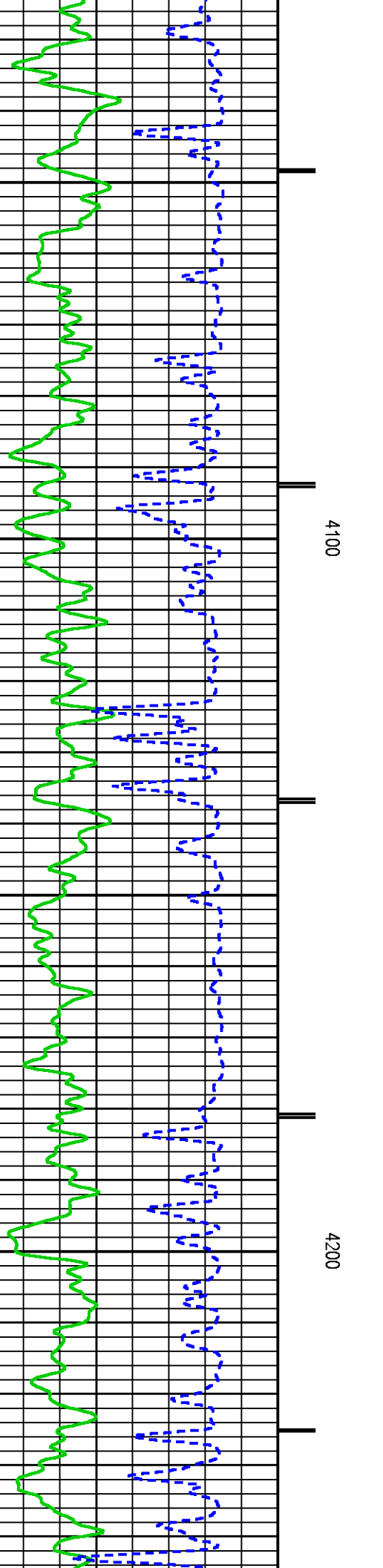
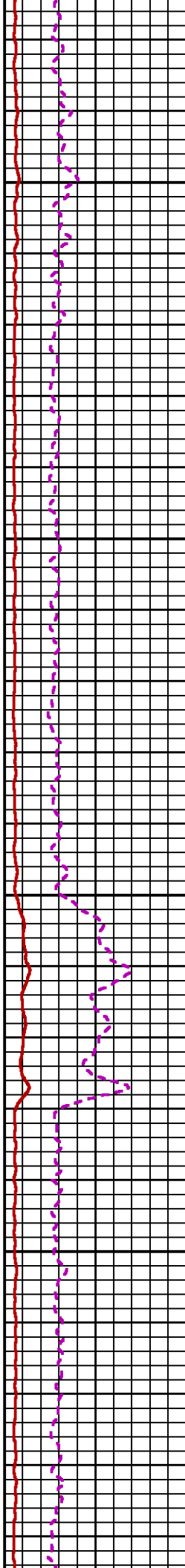
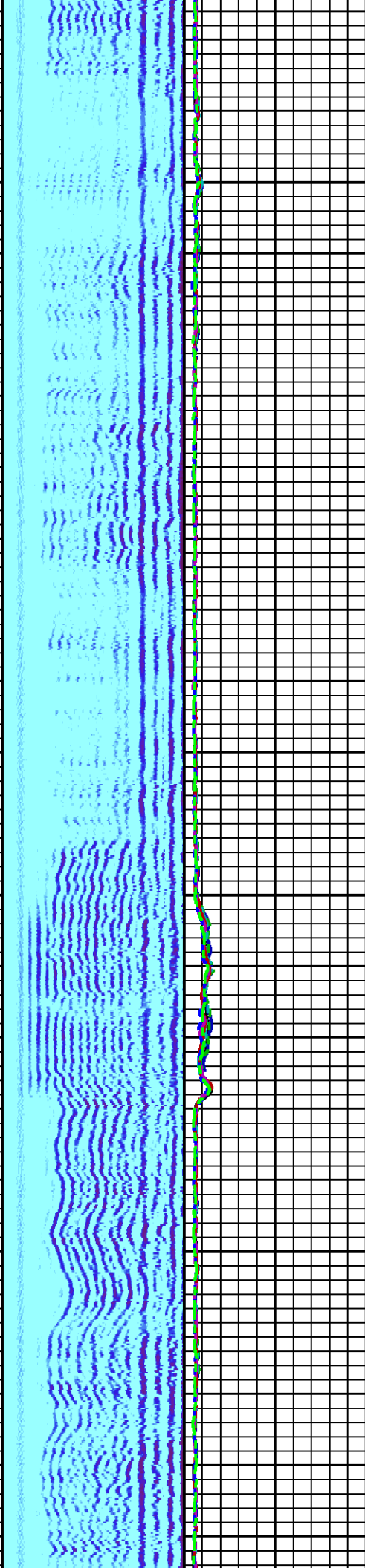


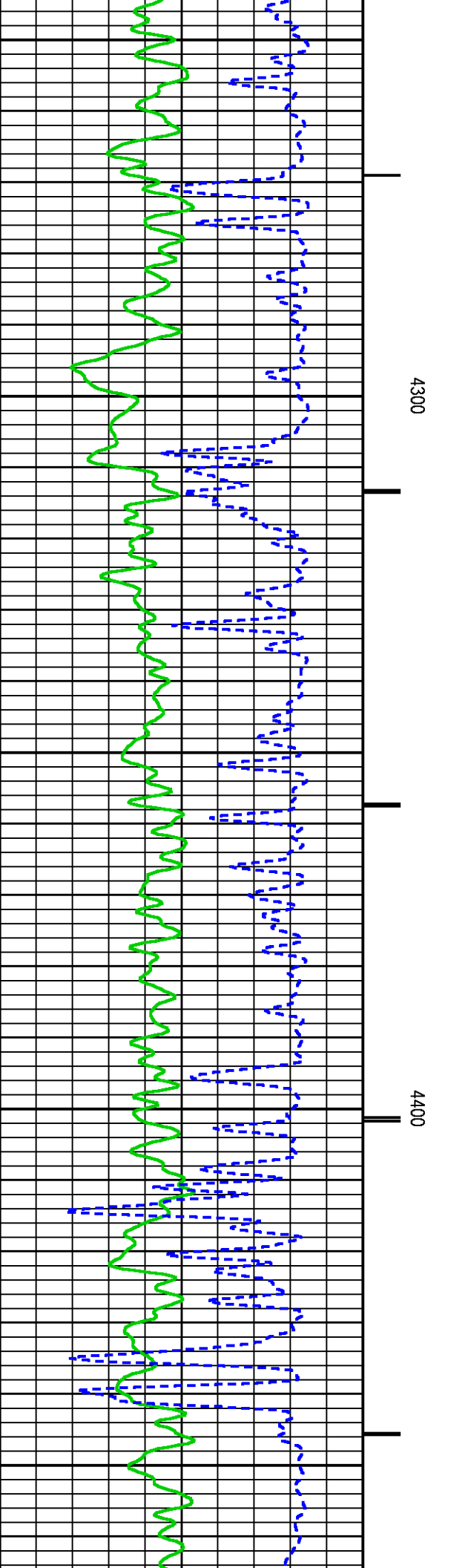
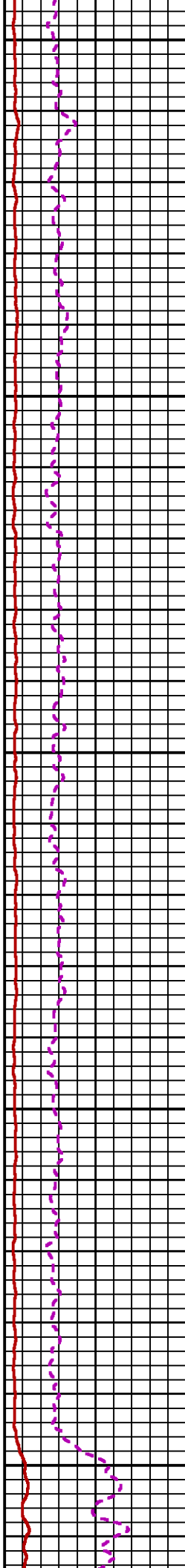
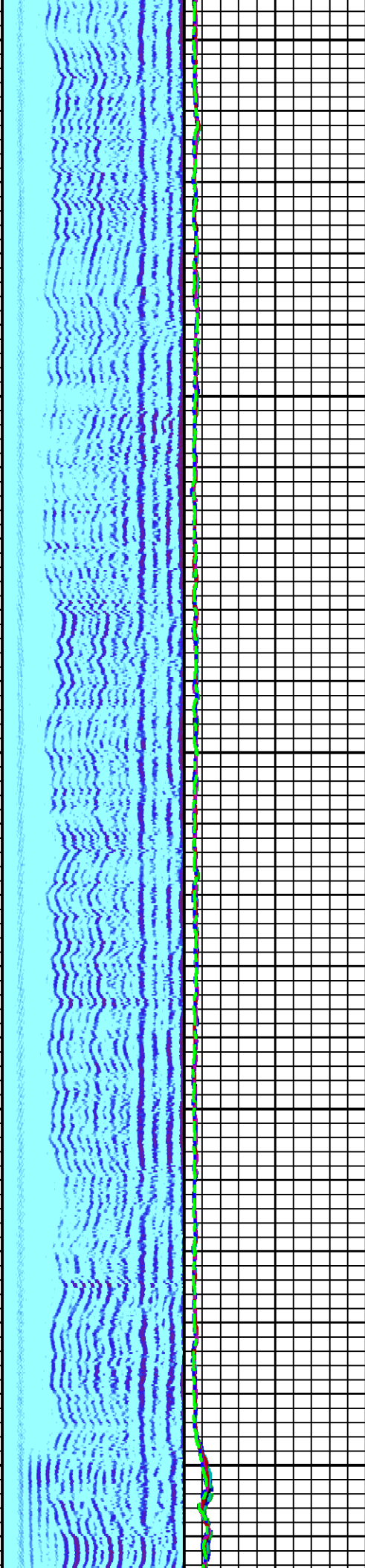


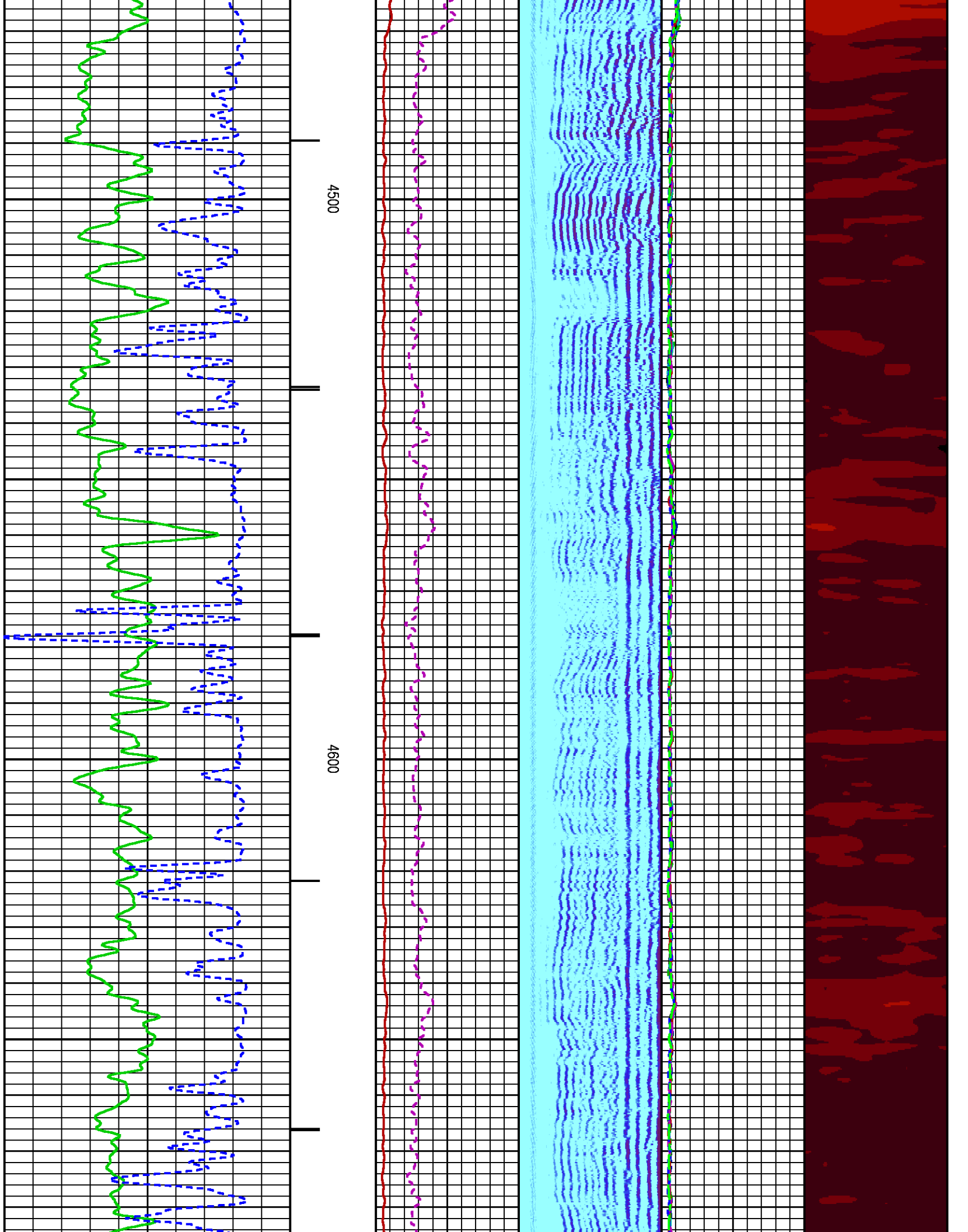
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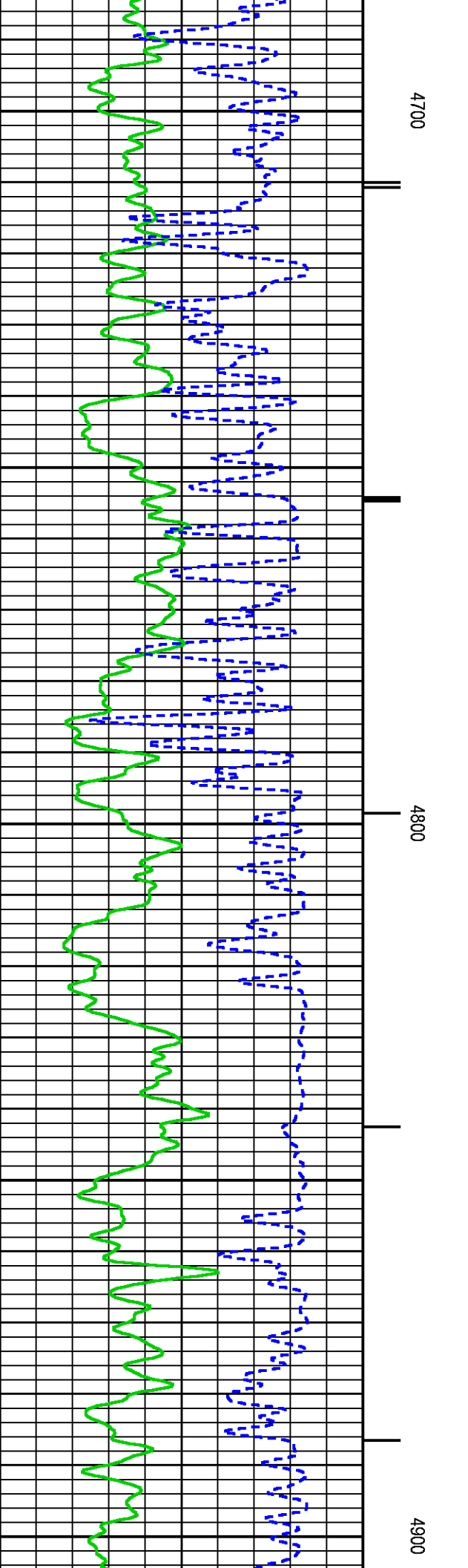
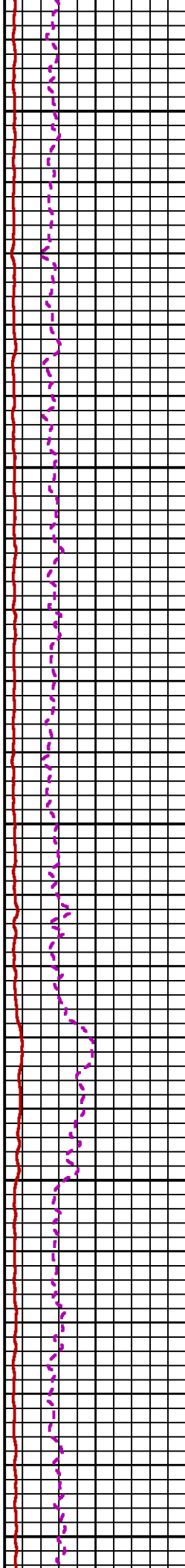
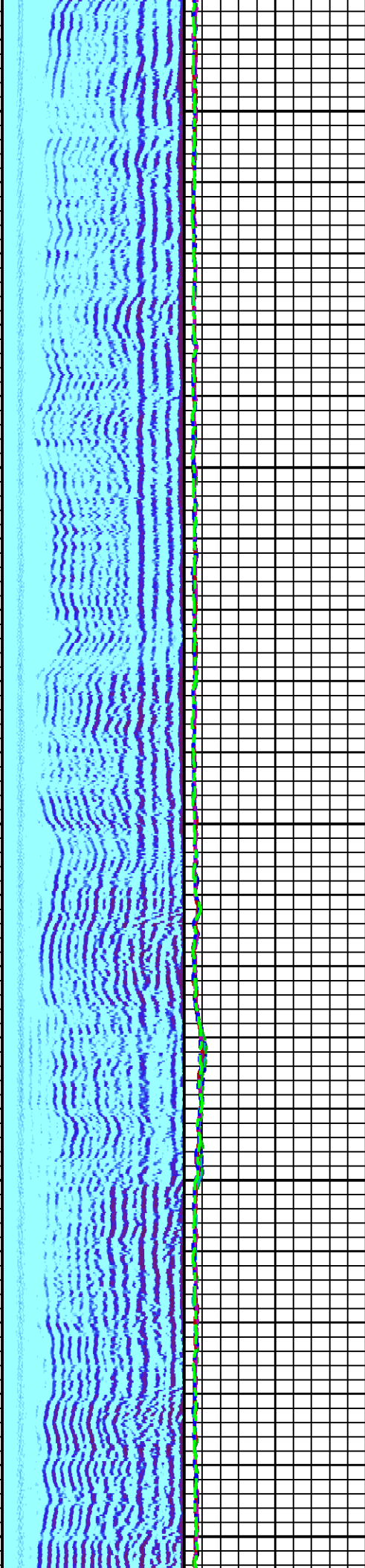
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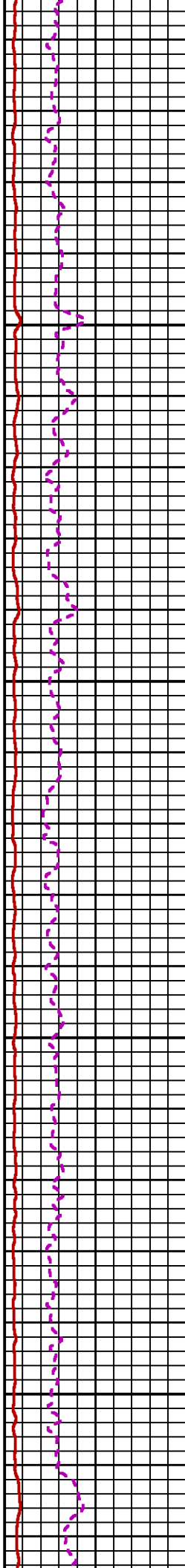
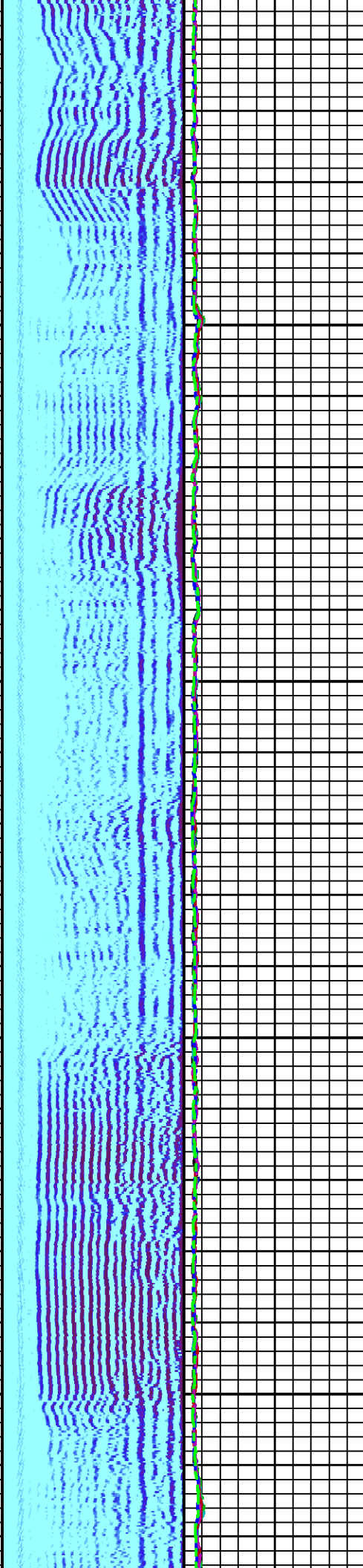
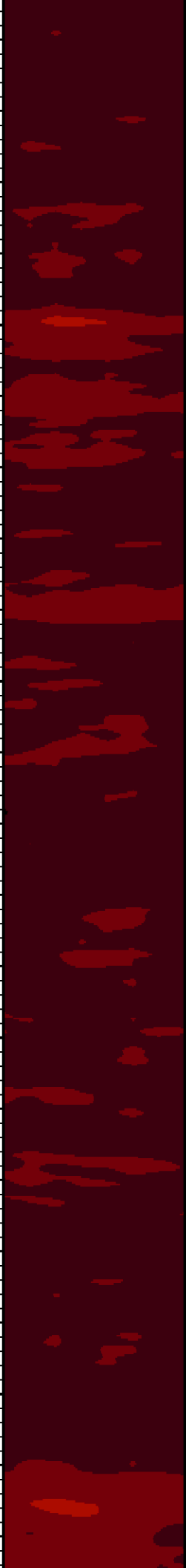






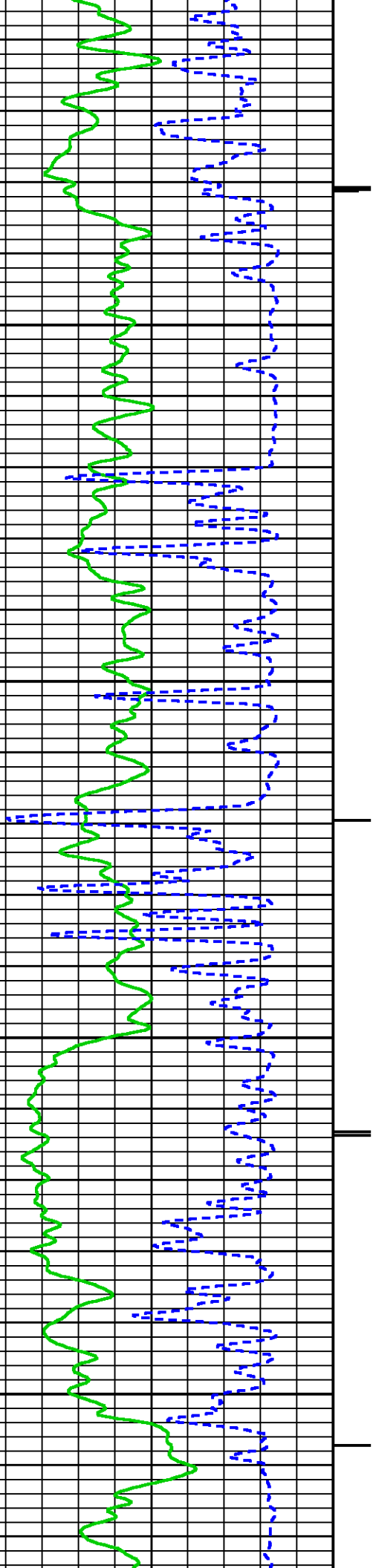


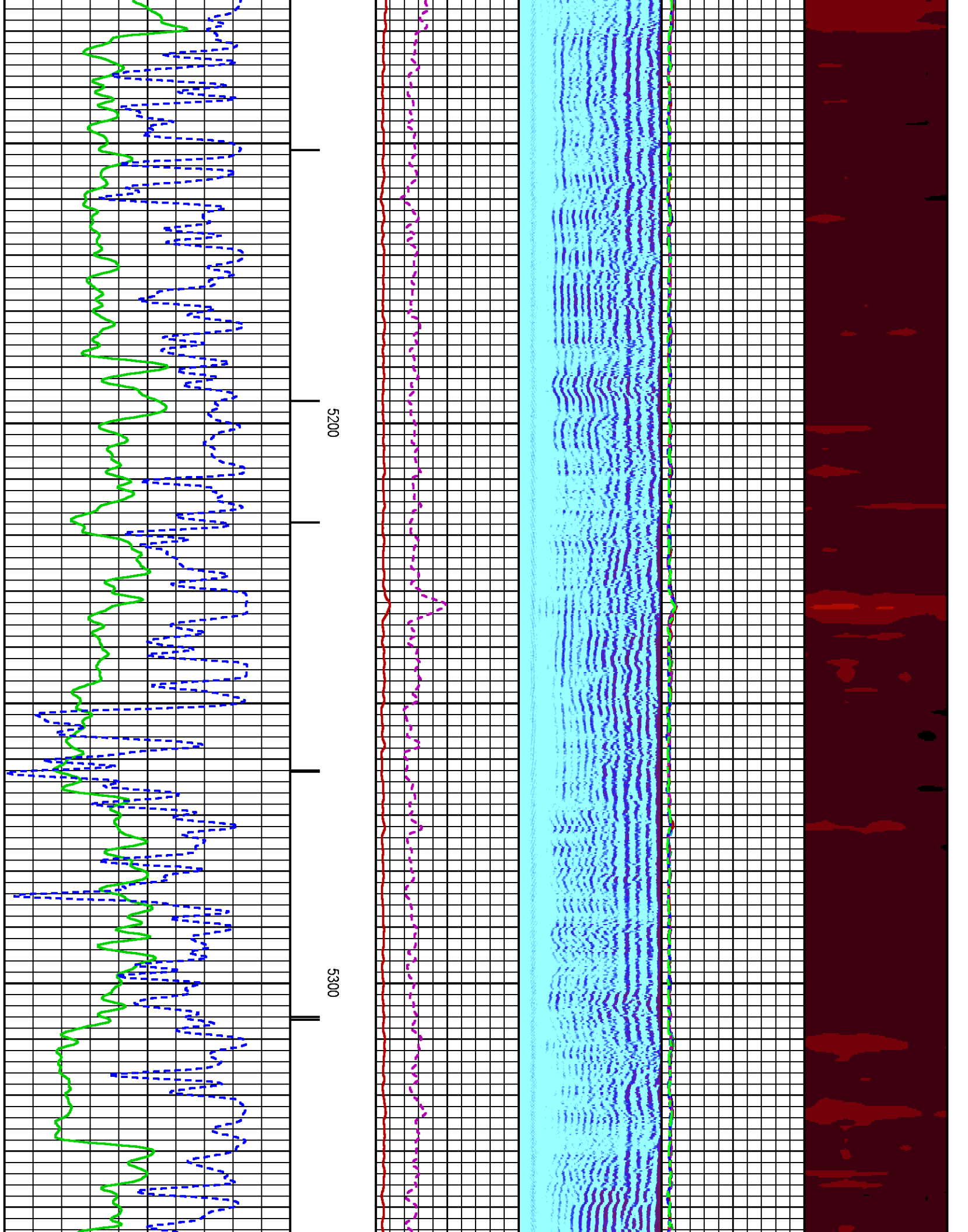


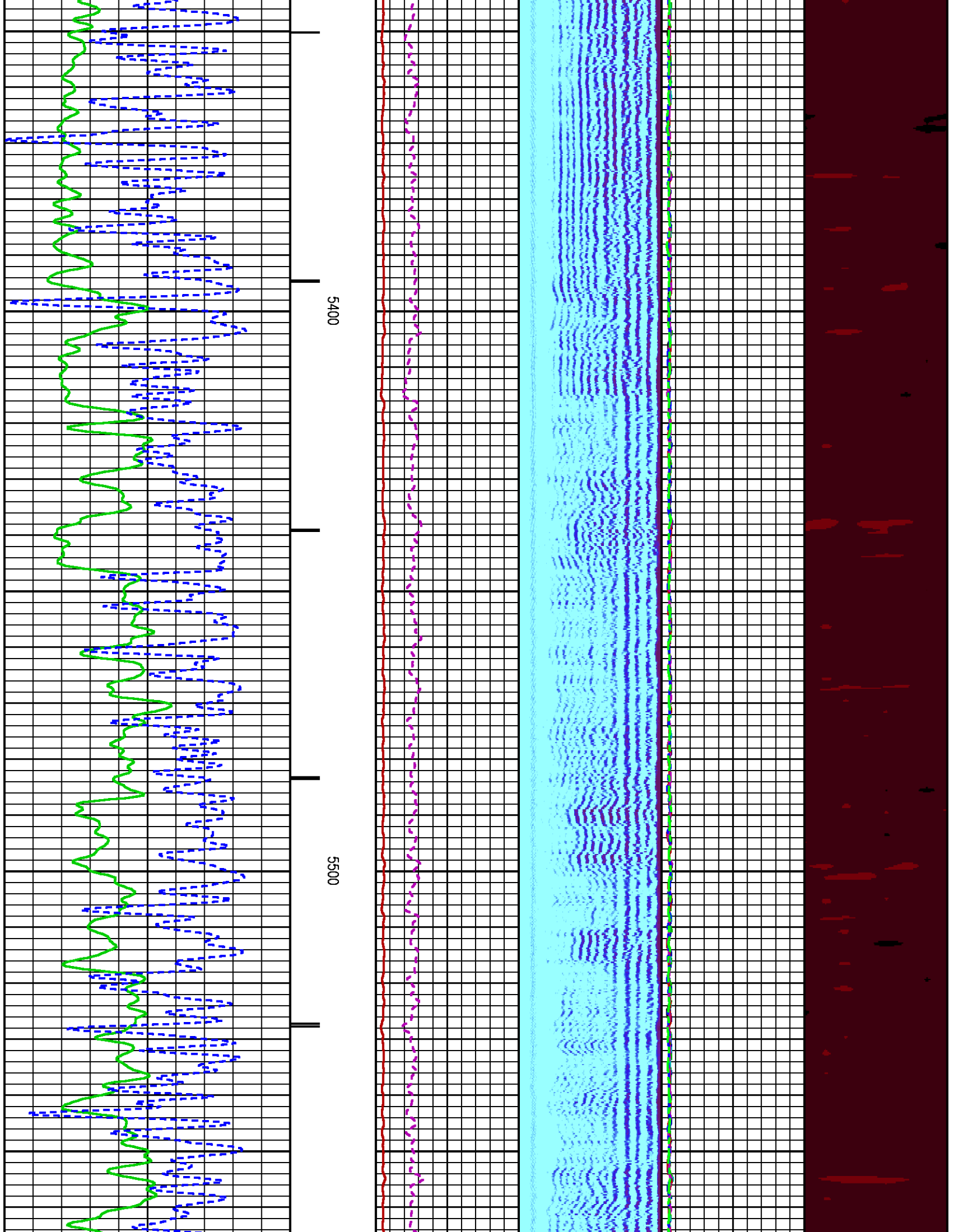


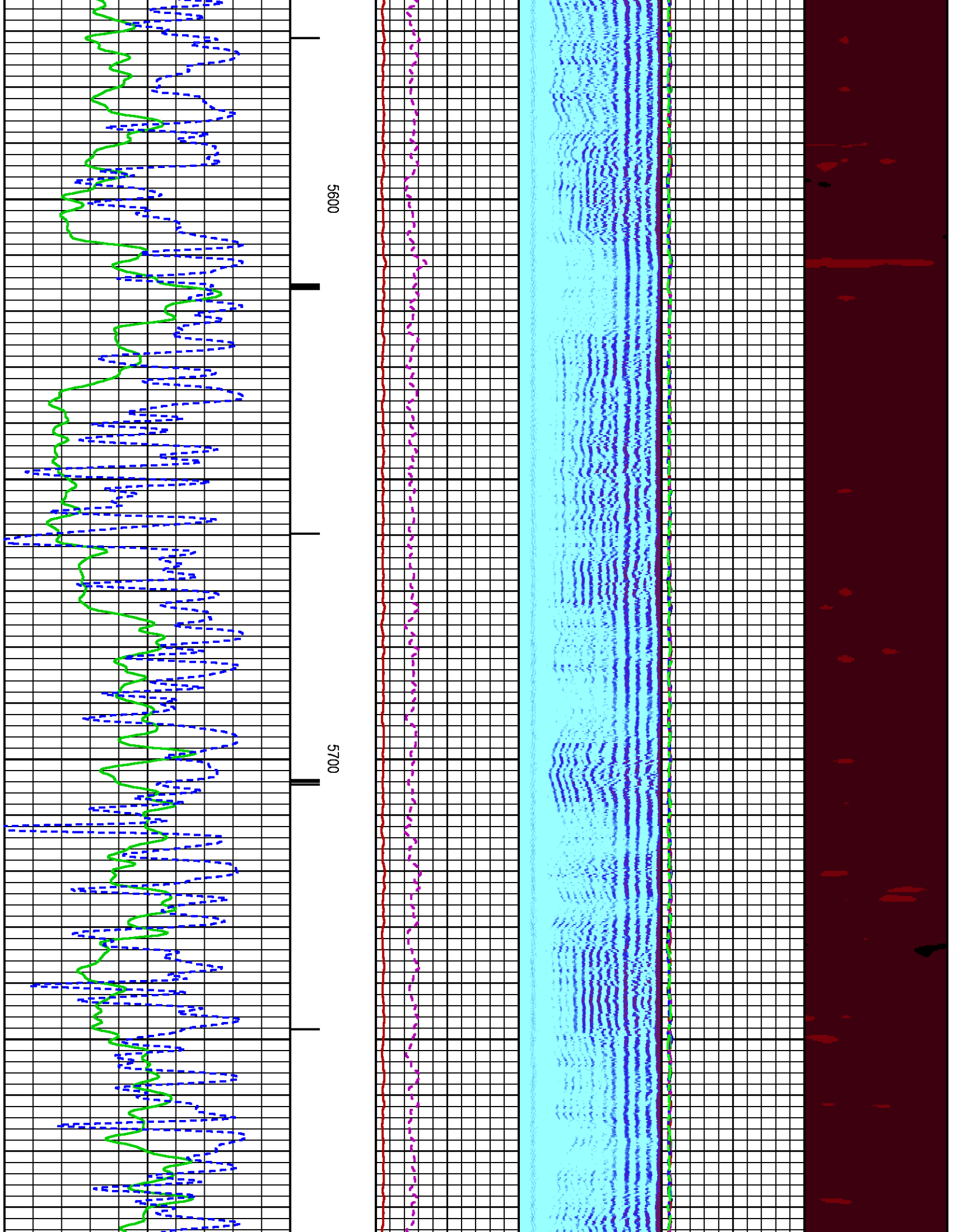
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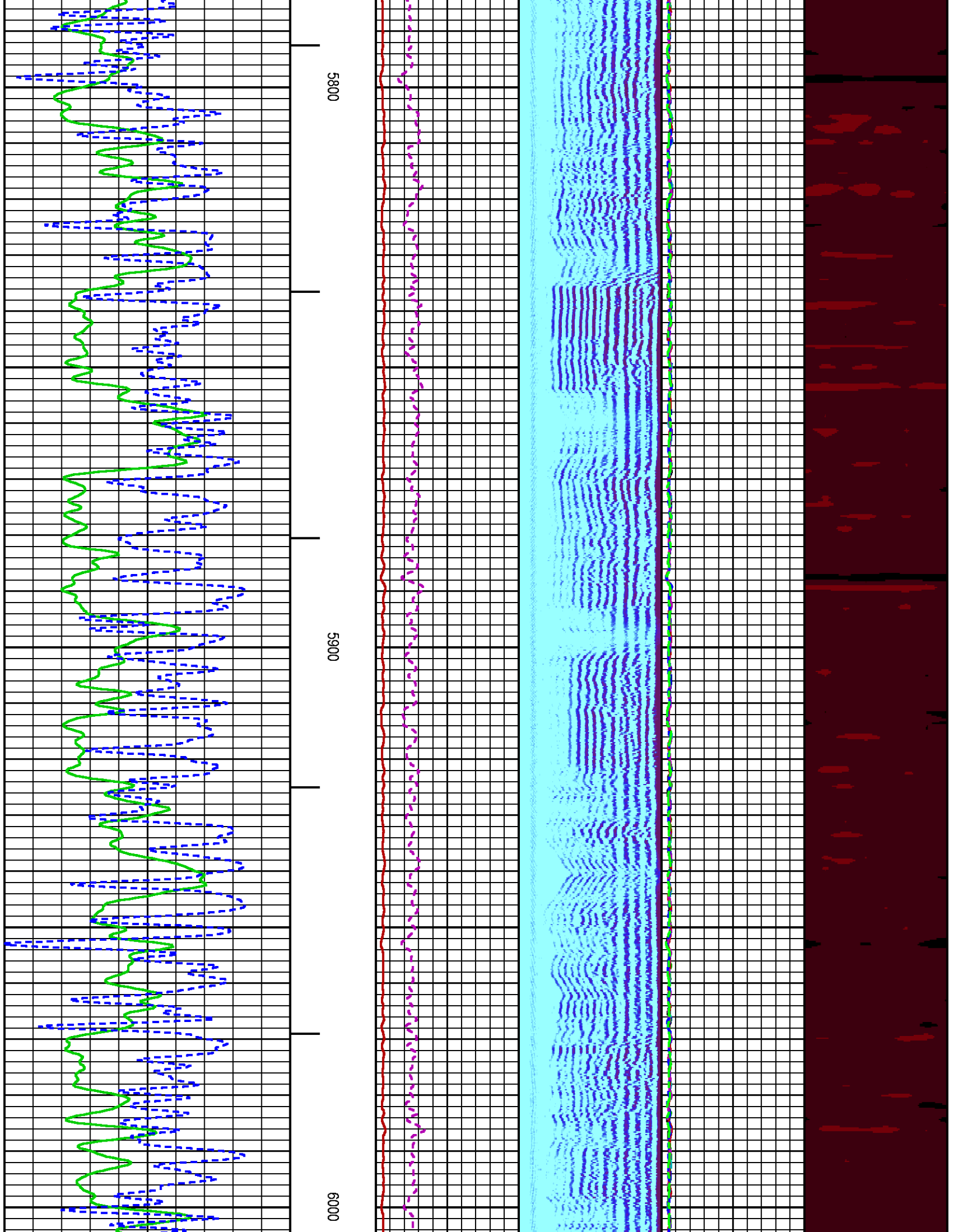
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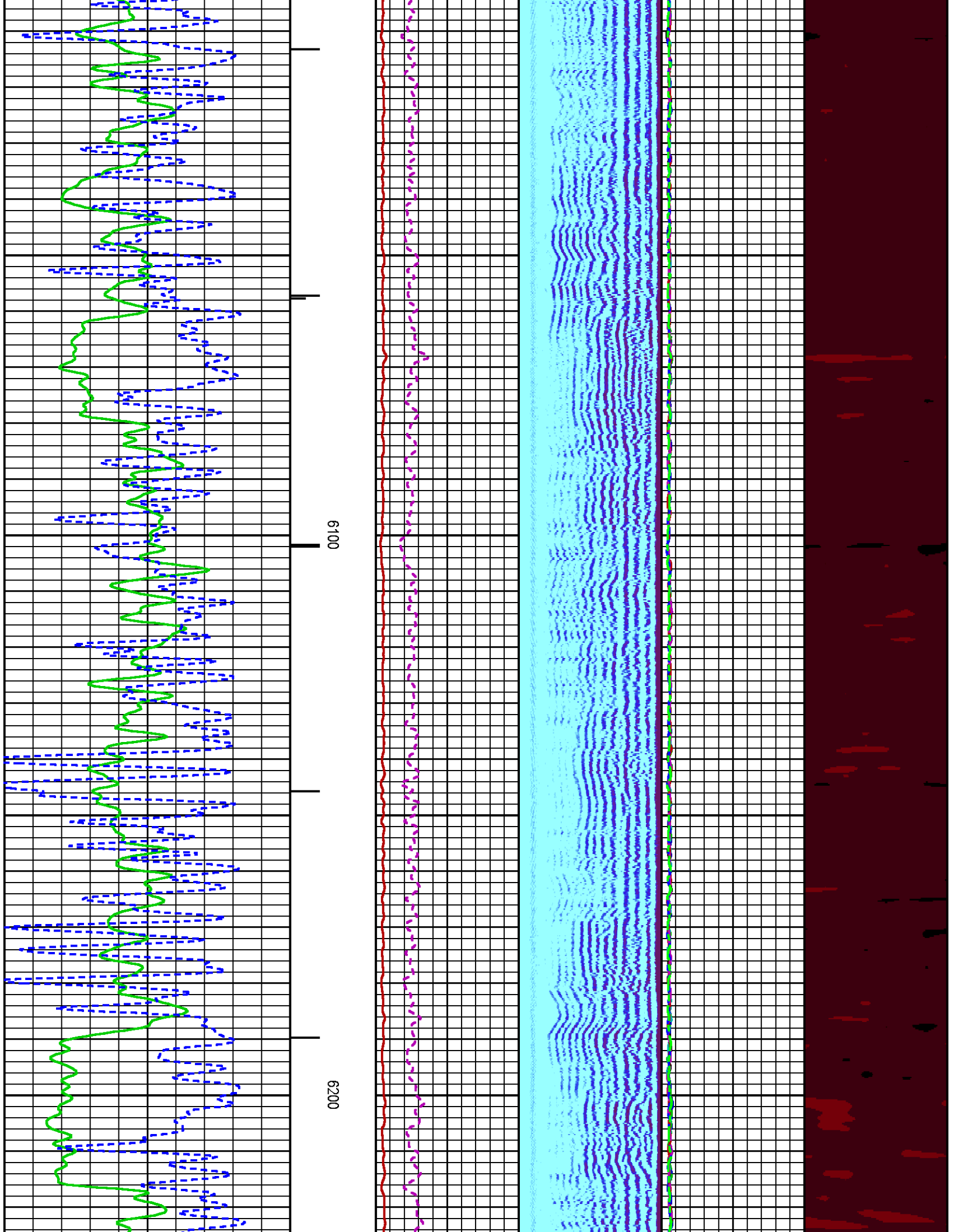


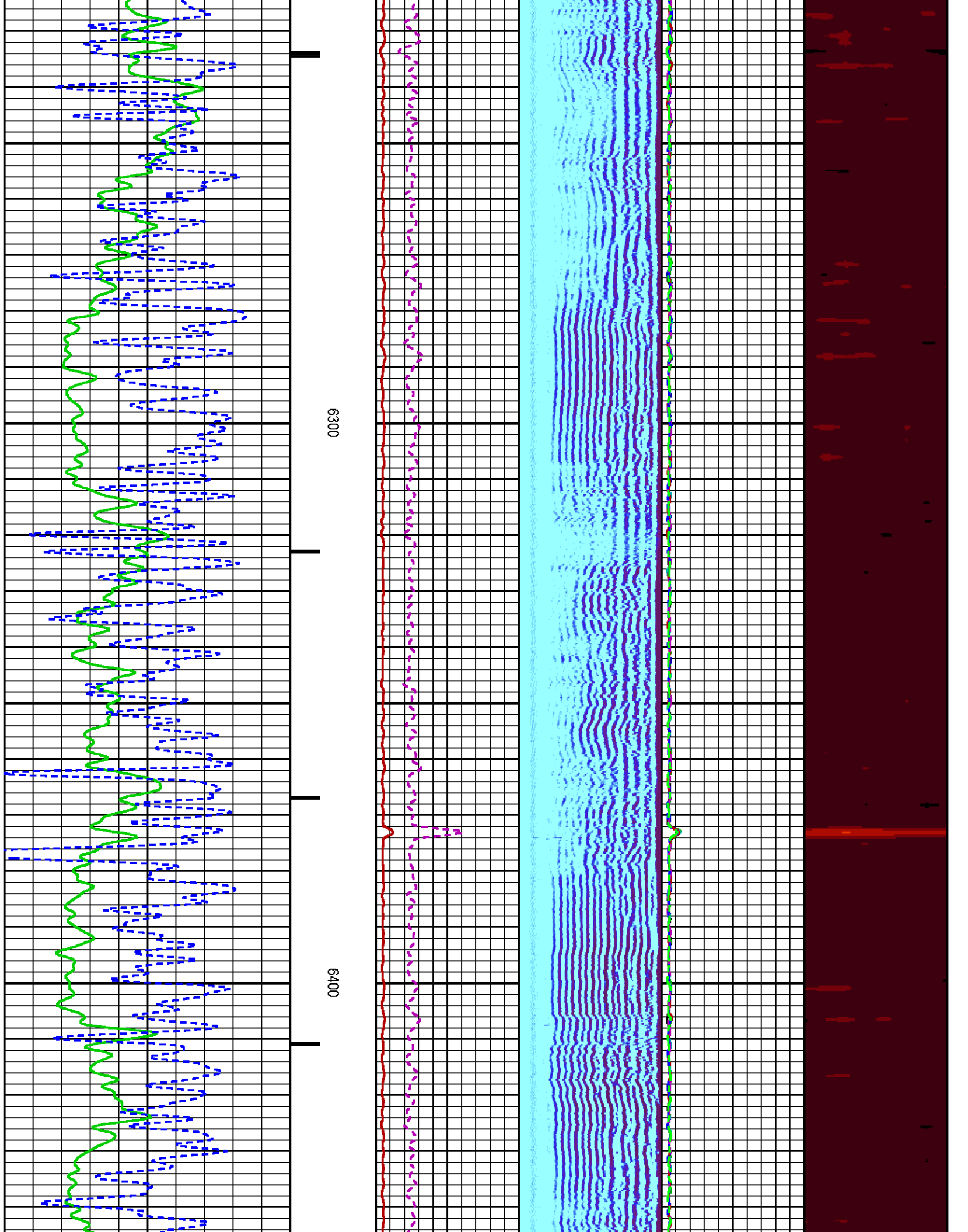


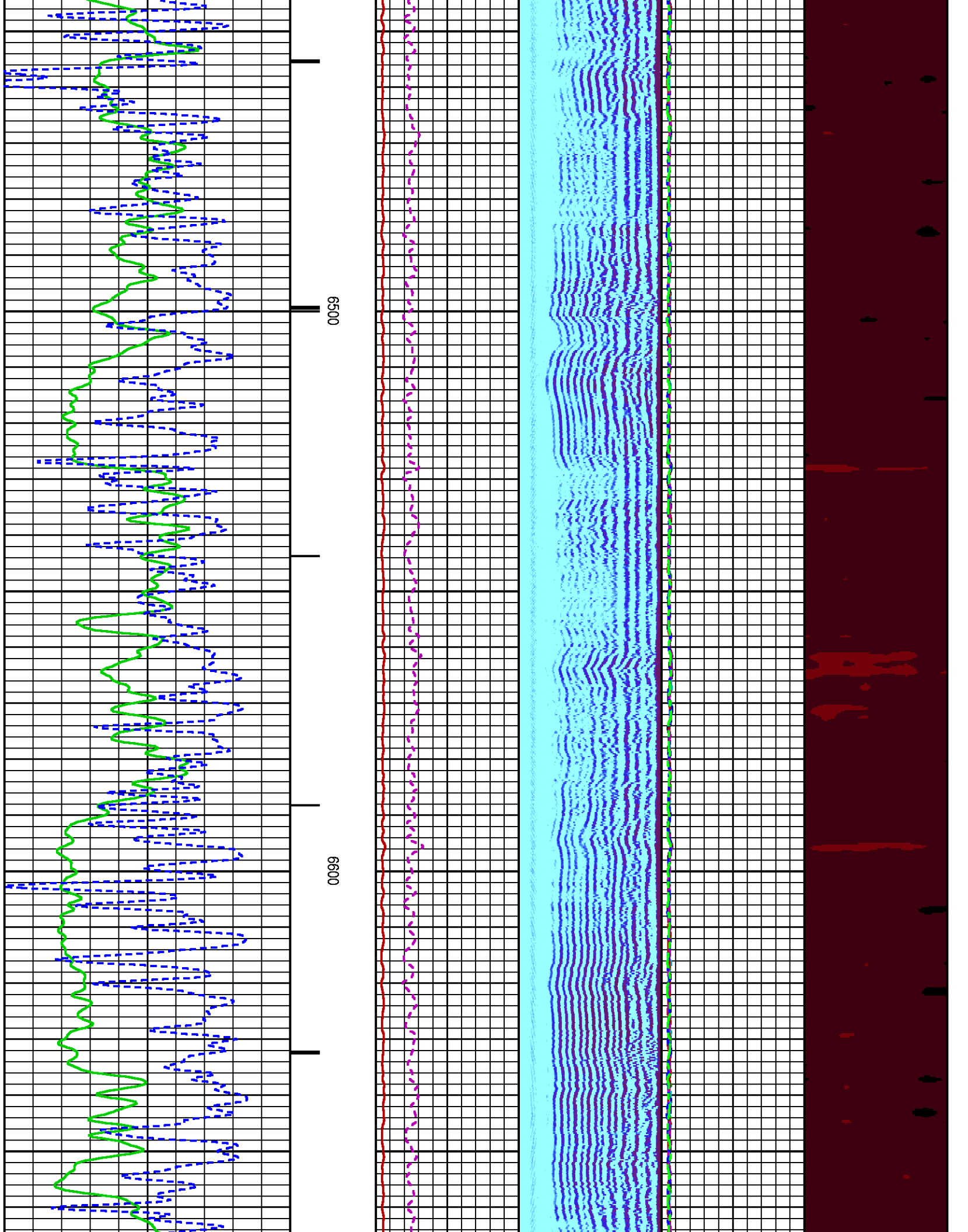


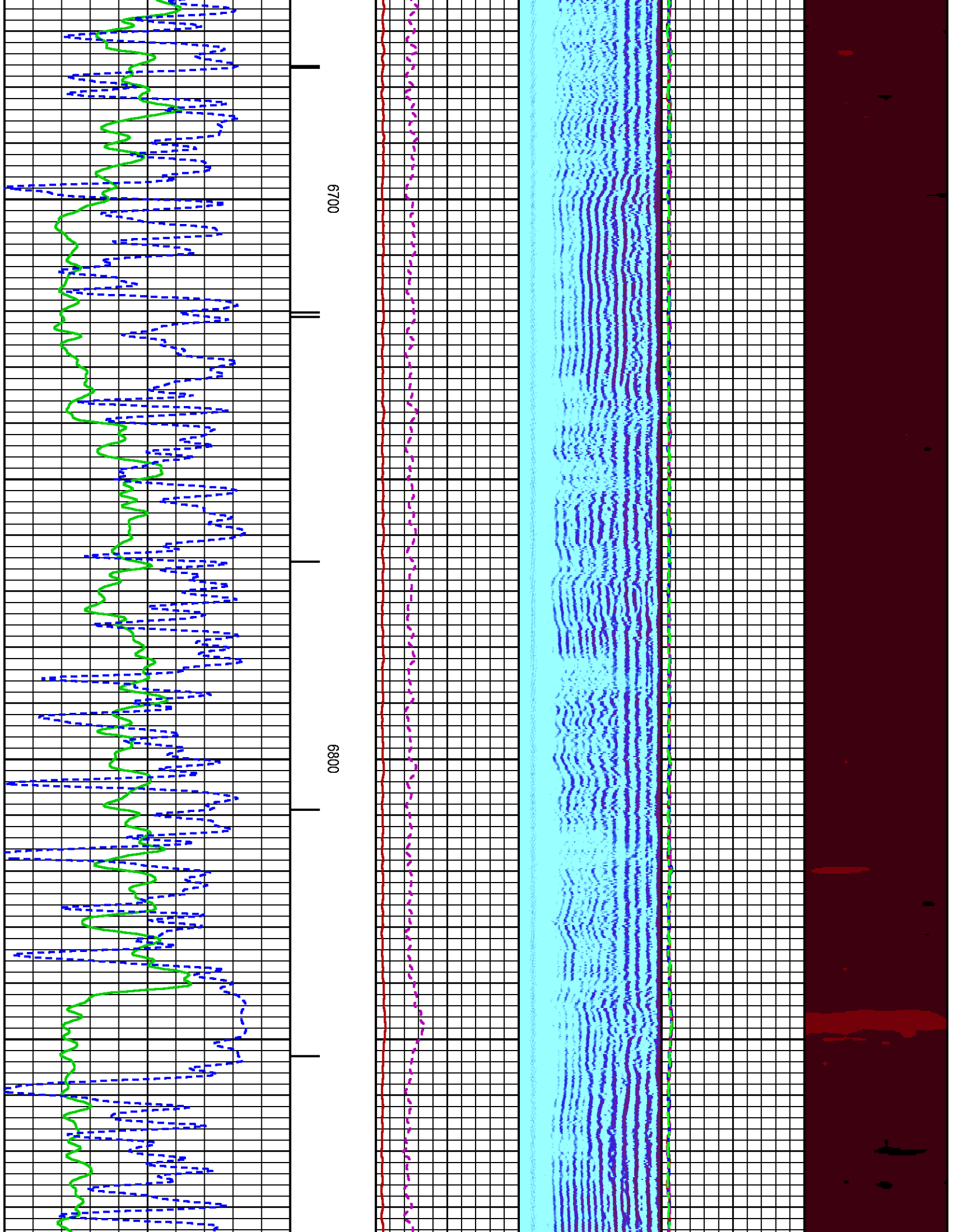


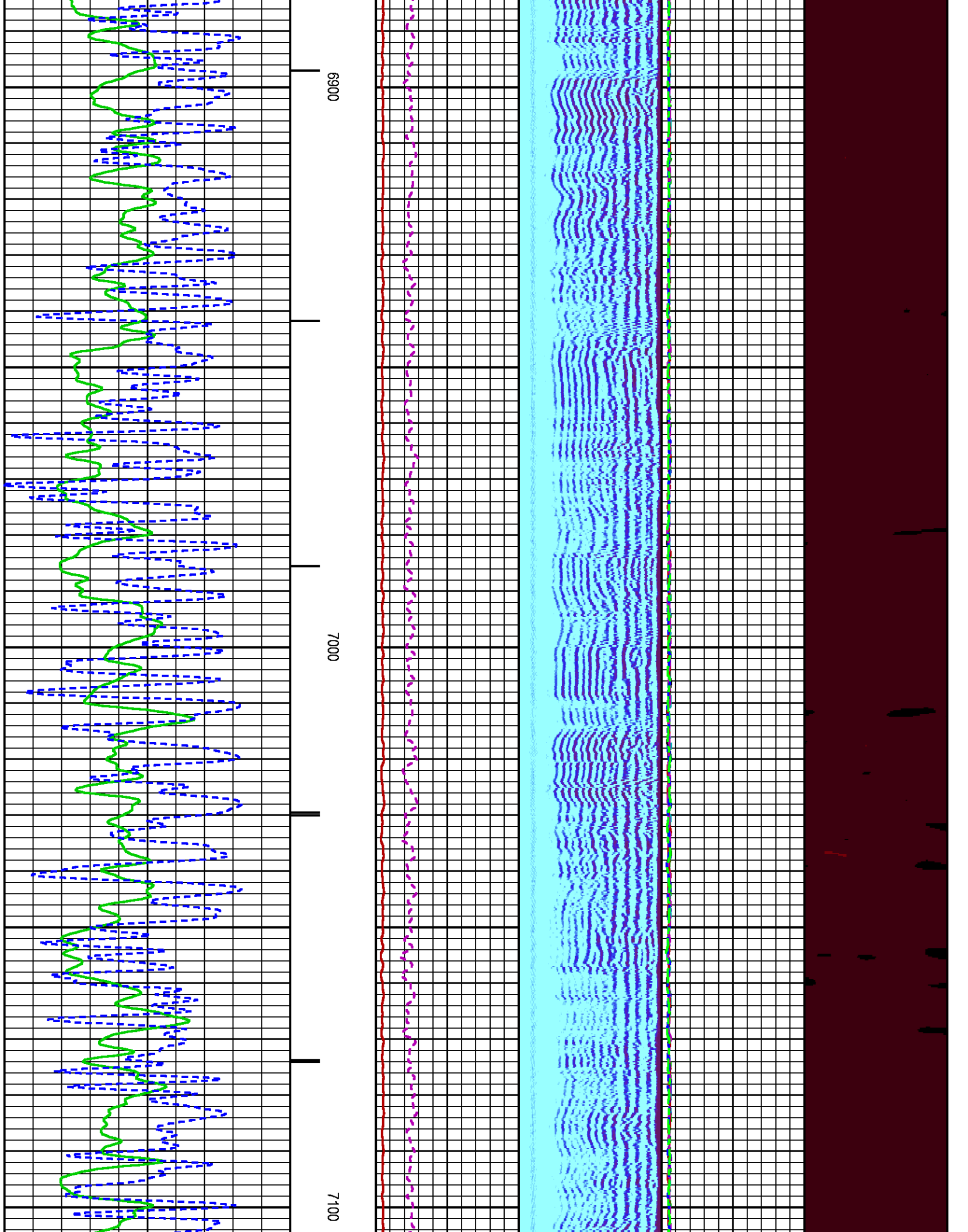


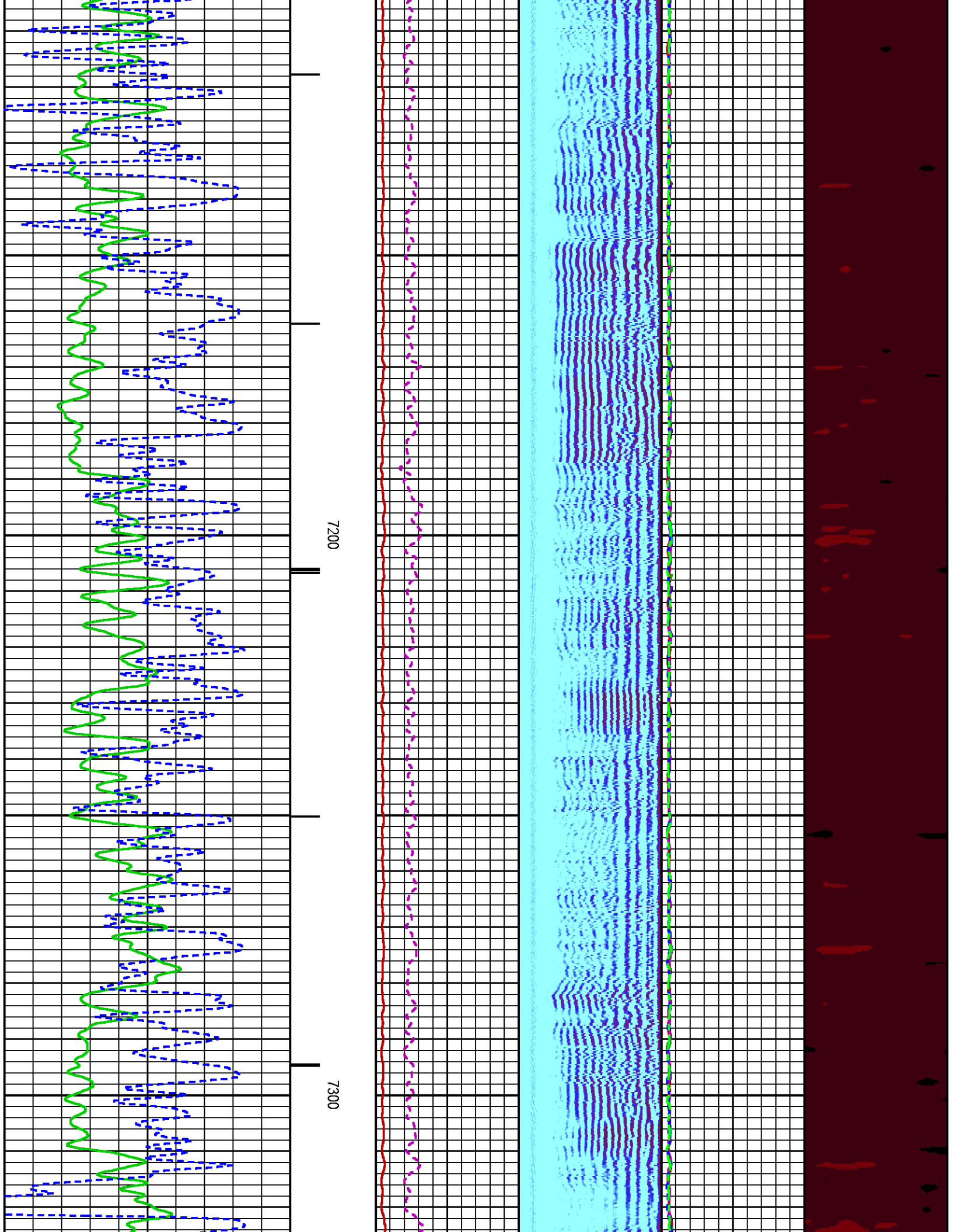


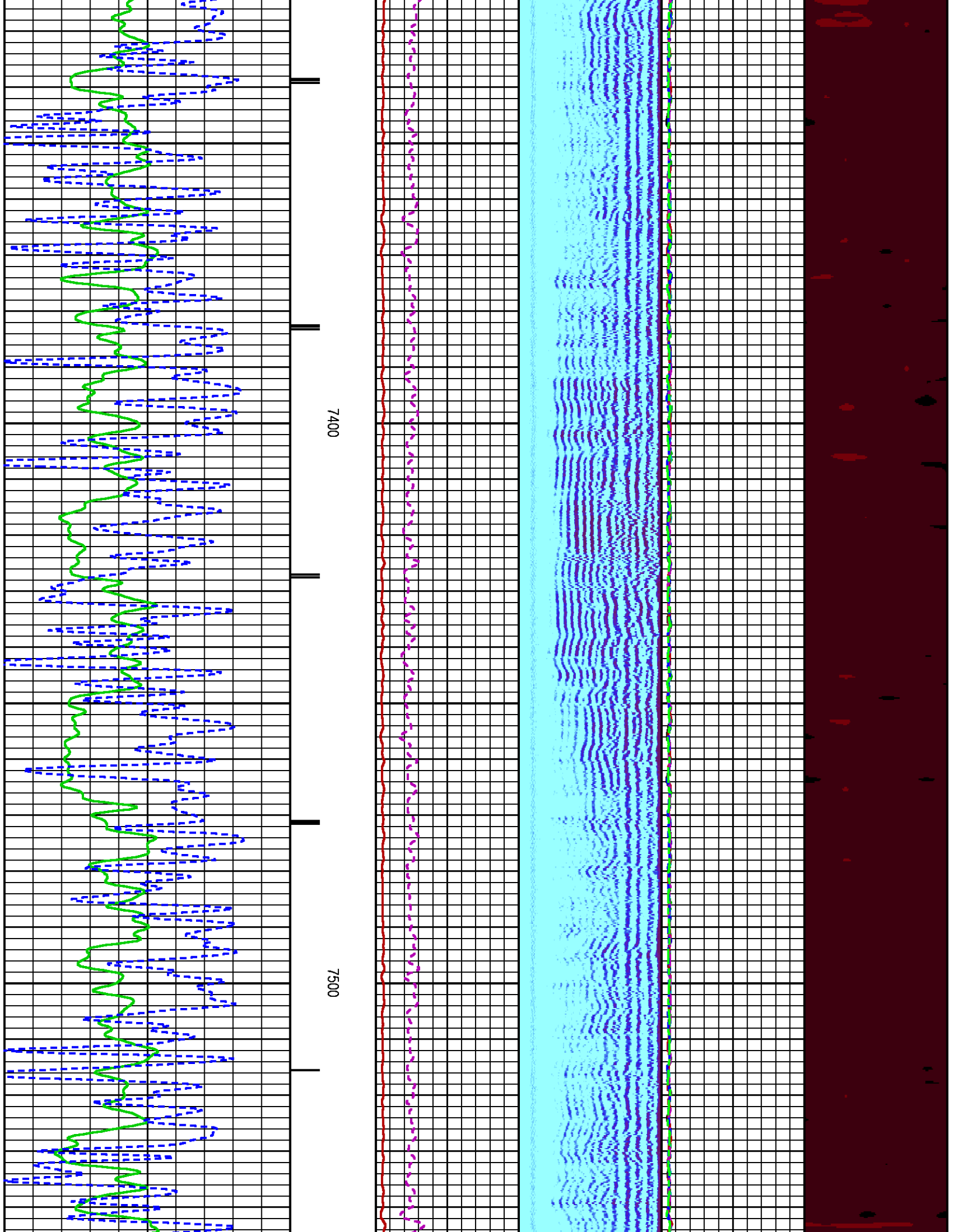


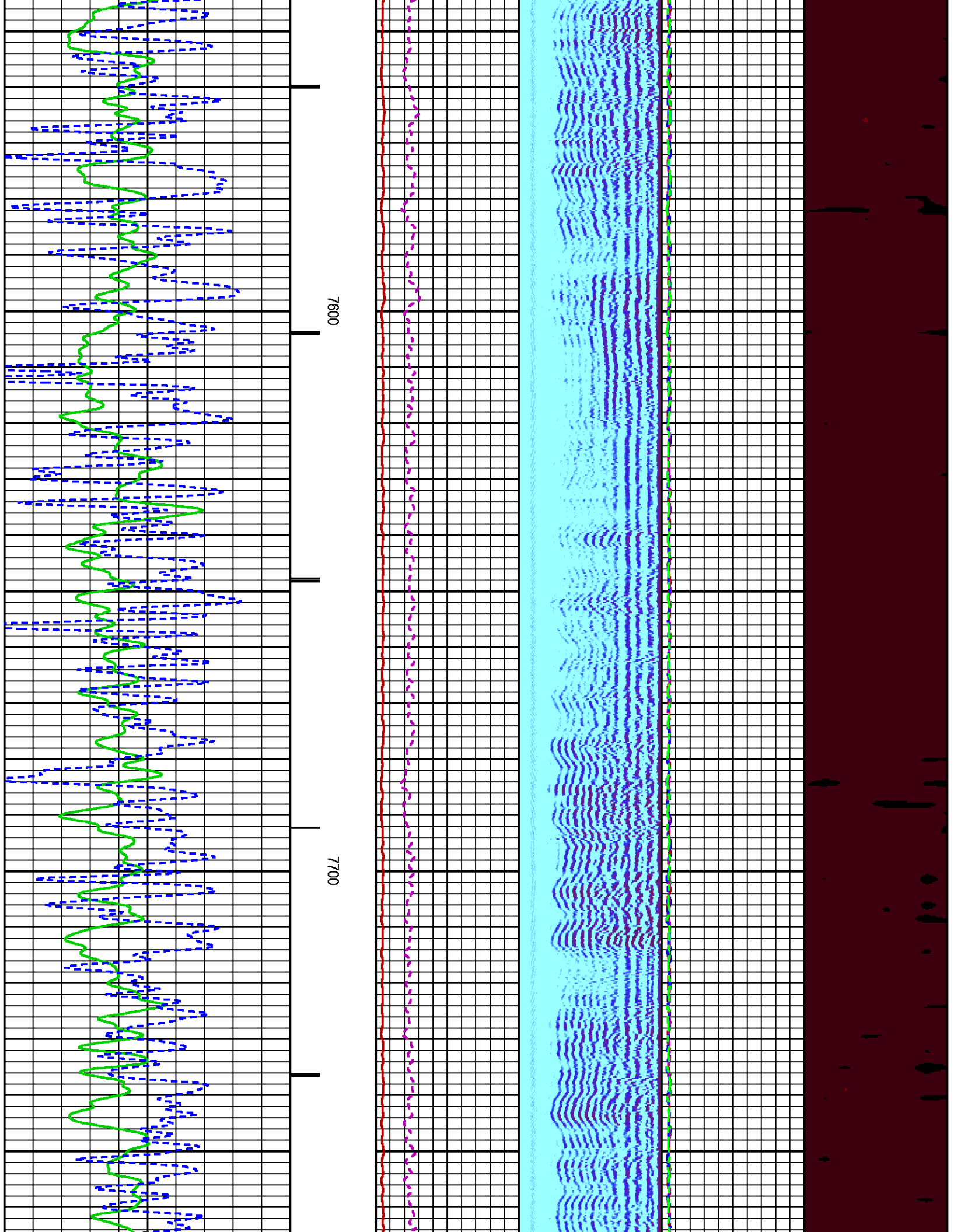


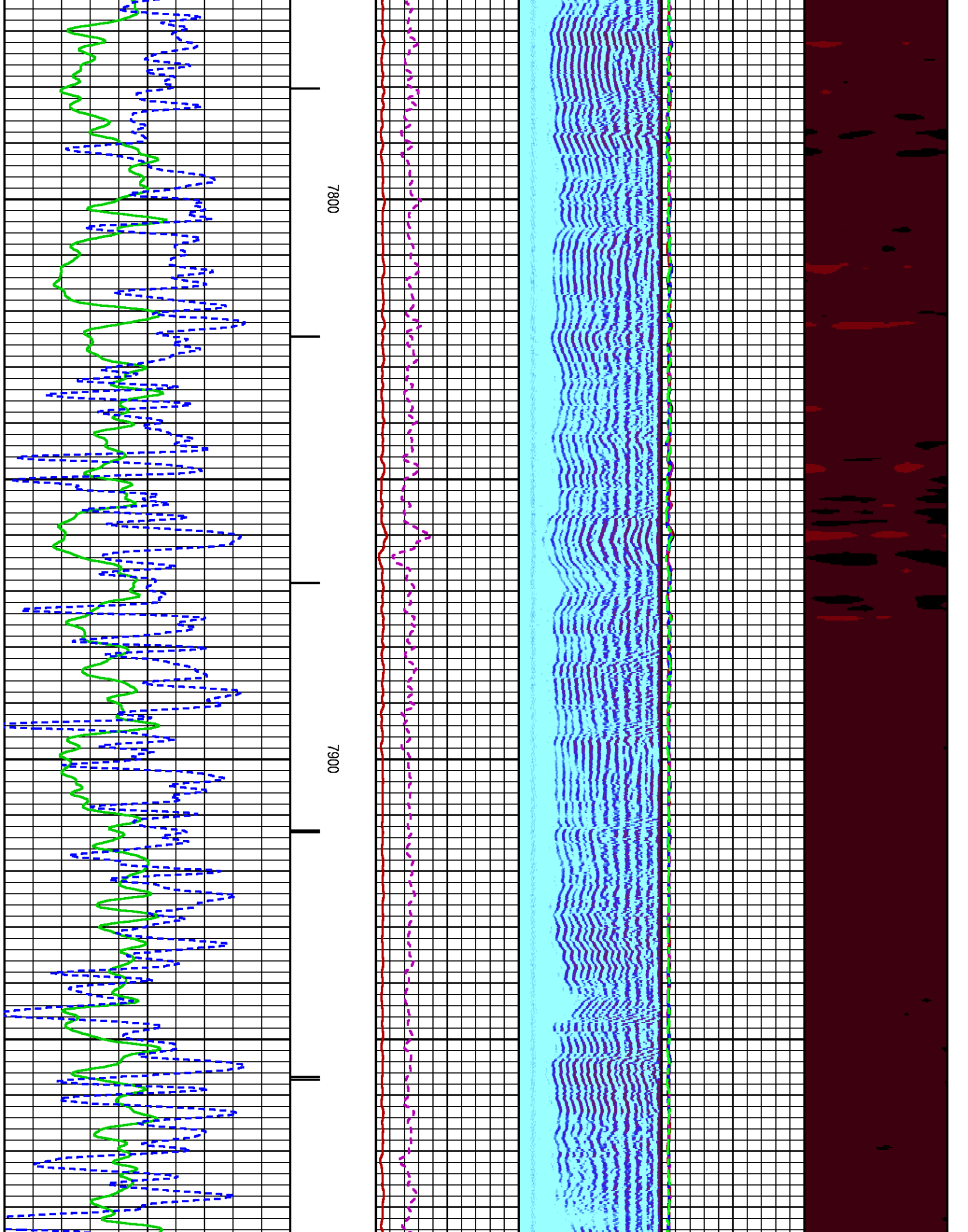


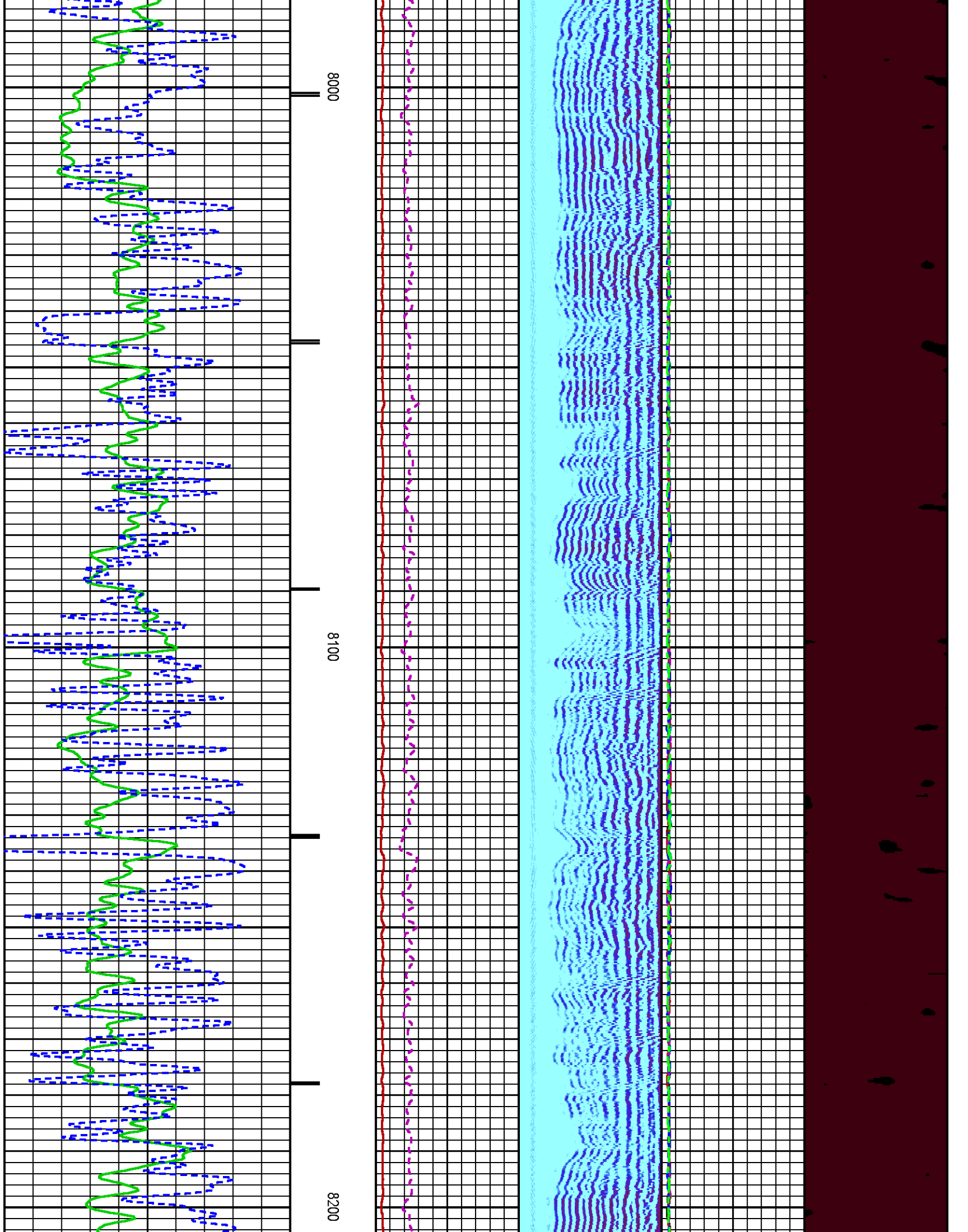


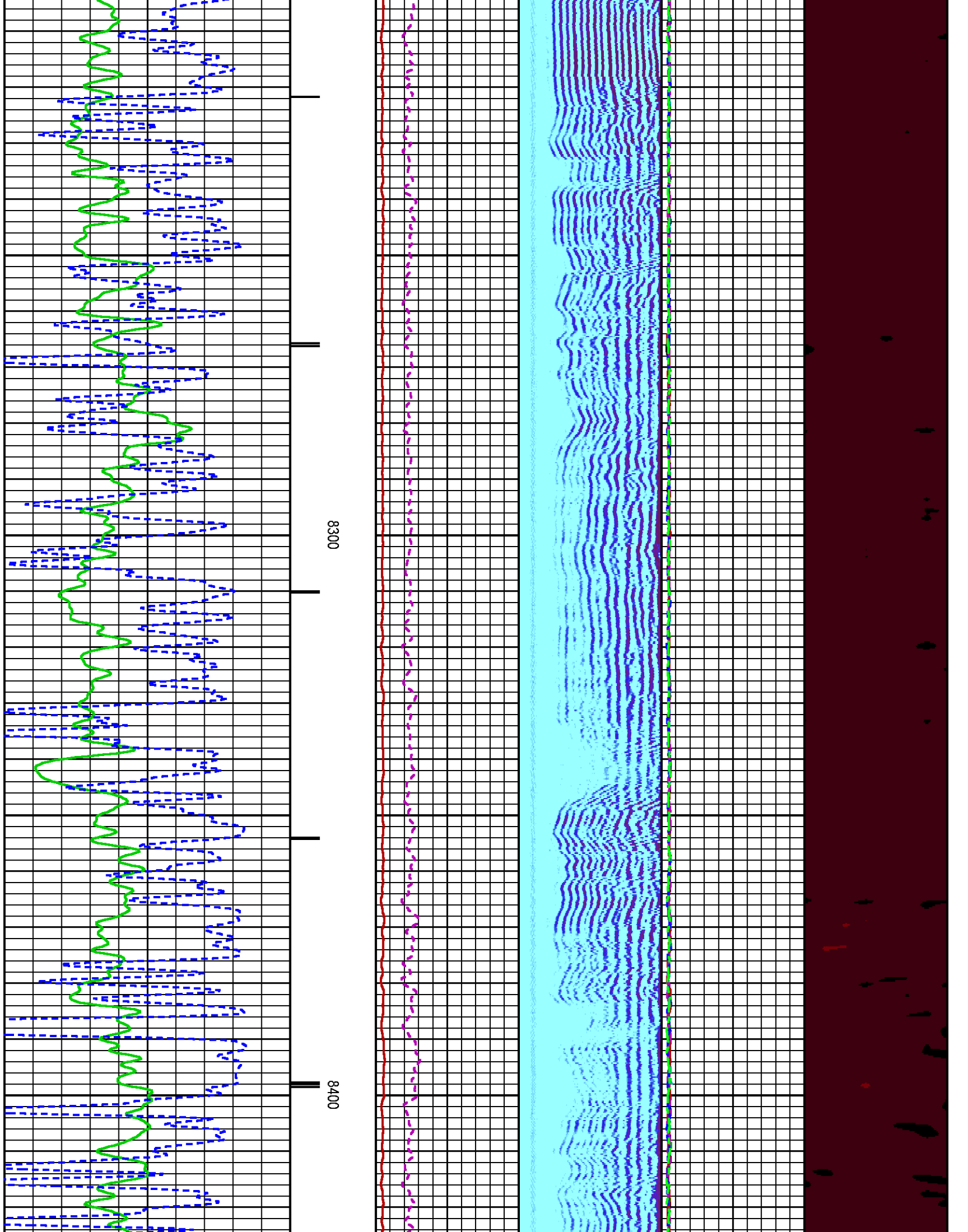


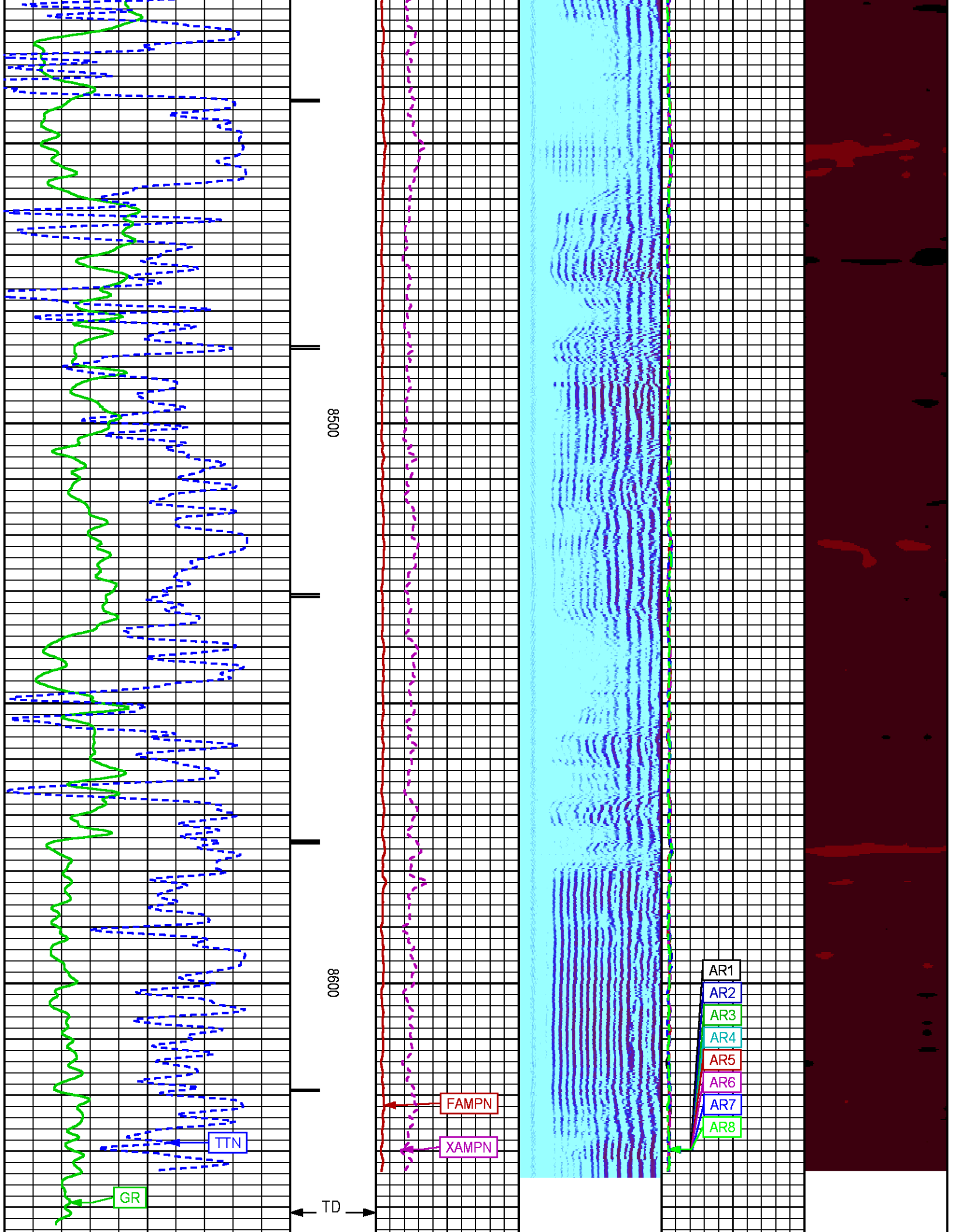


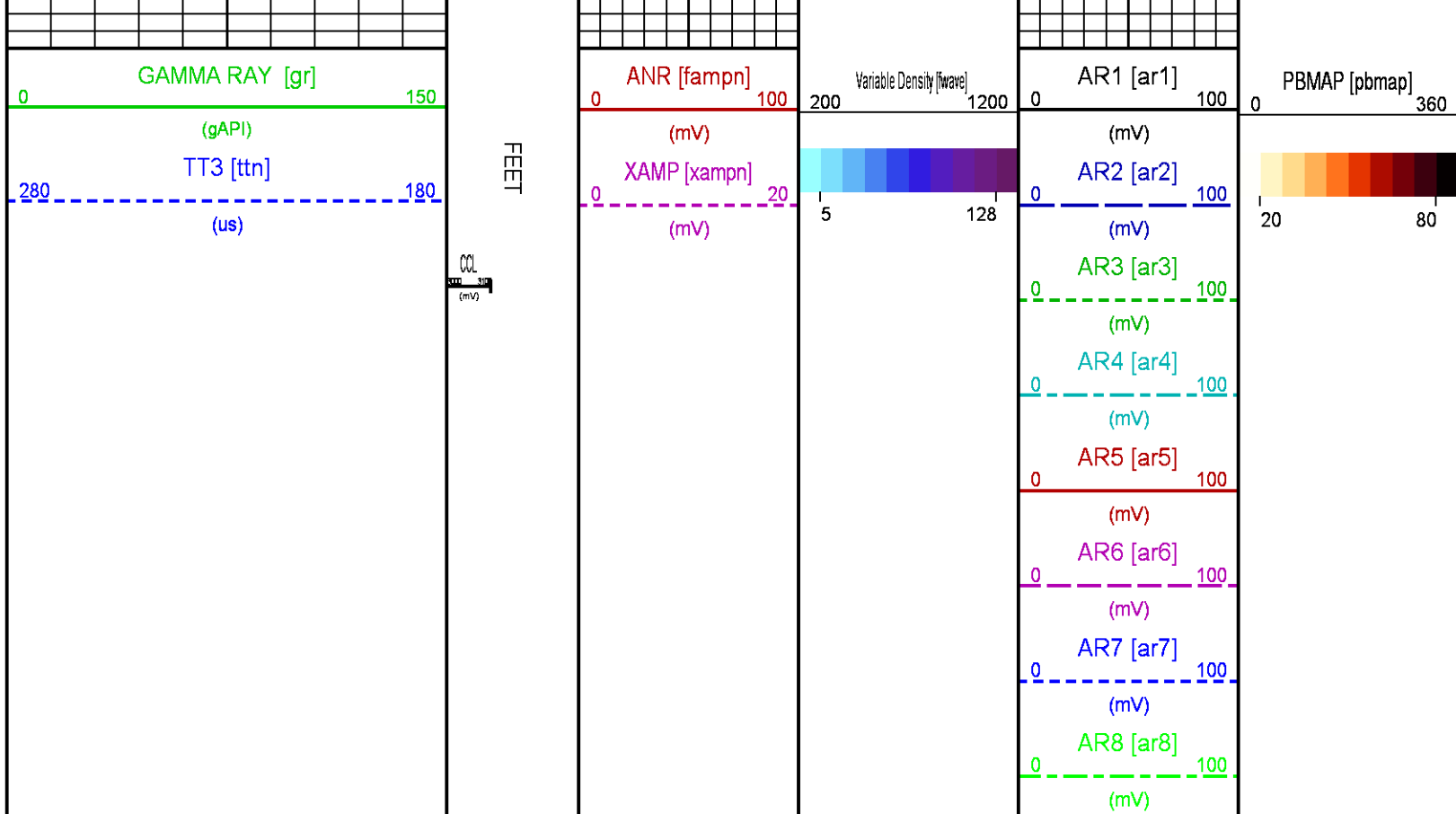












REPEAT LOG 0 PSI

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

Plotted: Fri Jan 09 13:47:47 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093870\012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 8298.000 ft BOTTOM DEPTH: 8631.750 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*)	186	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (tt*)	125	us	"	"

TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (tttn*)	195	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (tttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	215.678	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-70	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	140	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

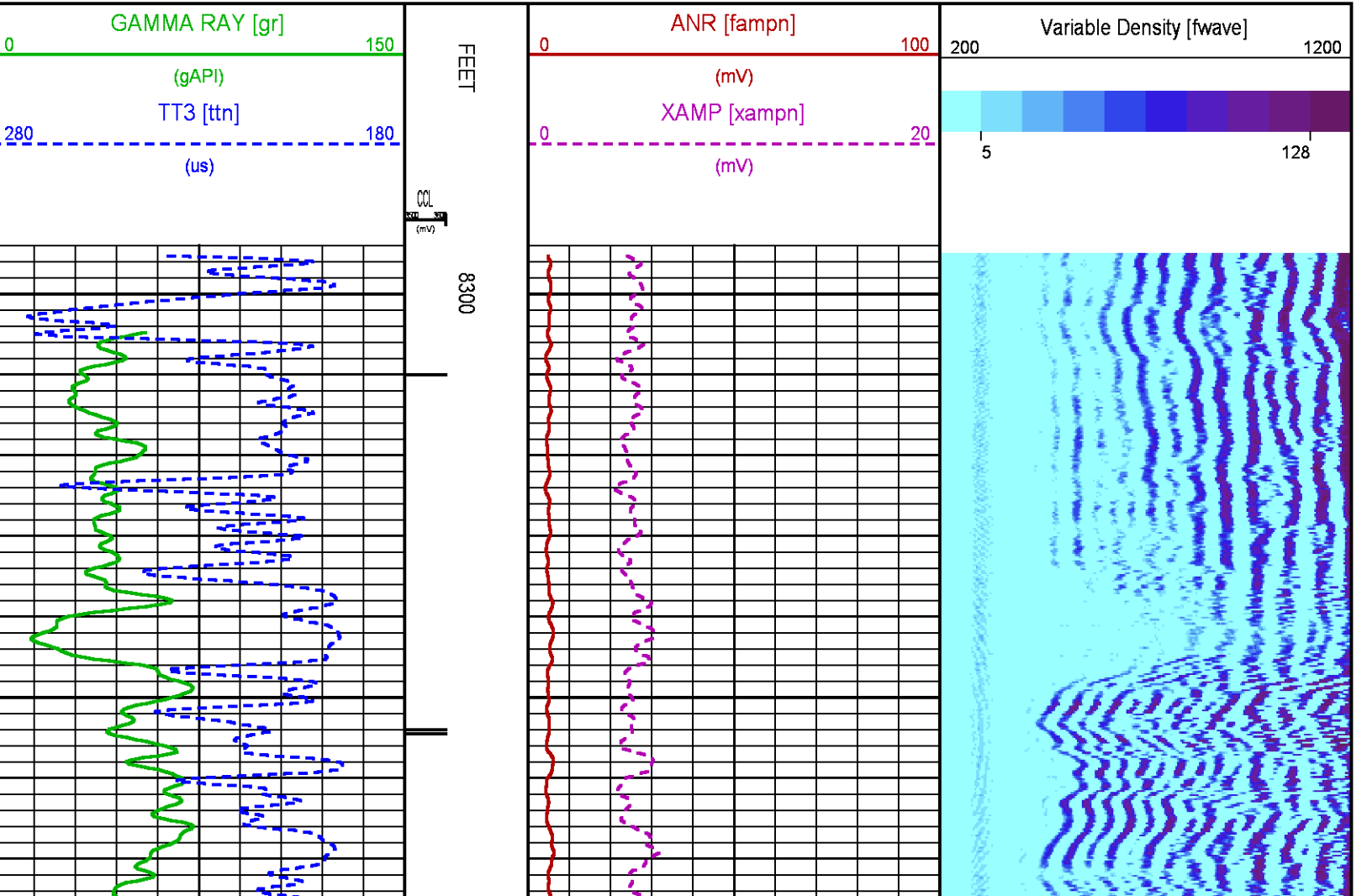
CURVE DESCRIPTION REPORT

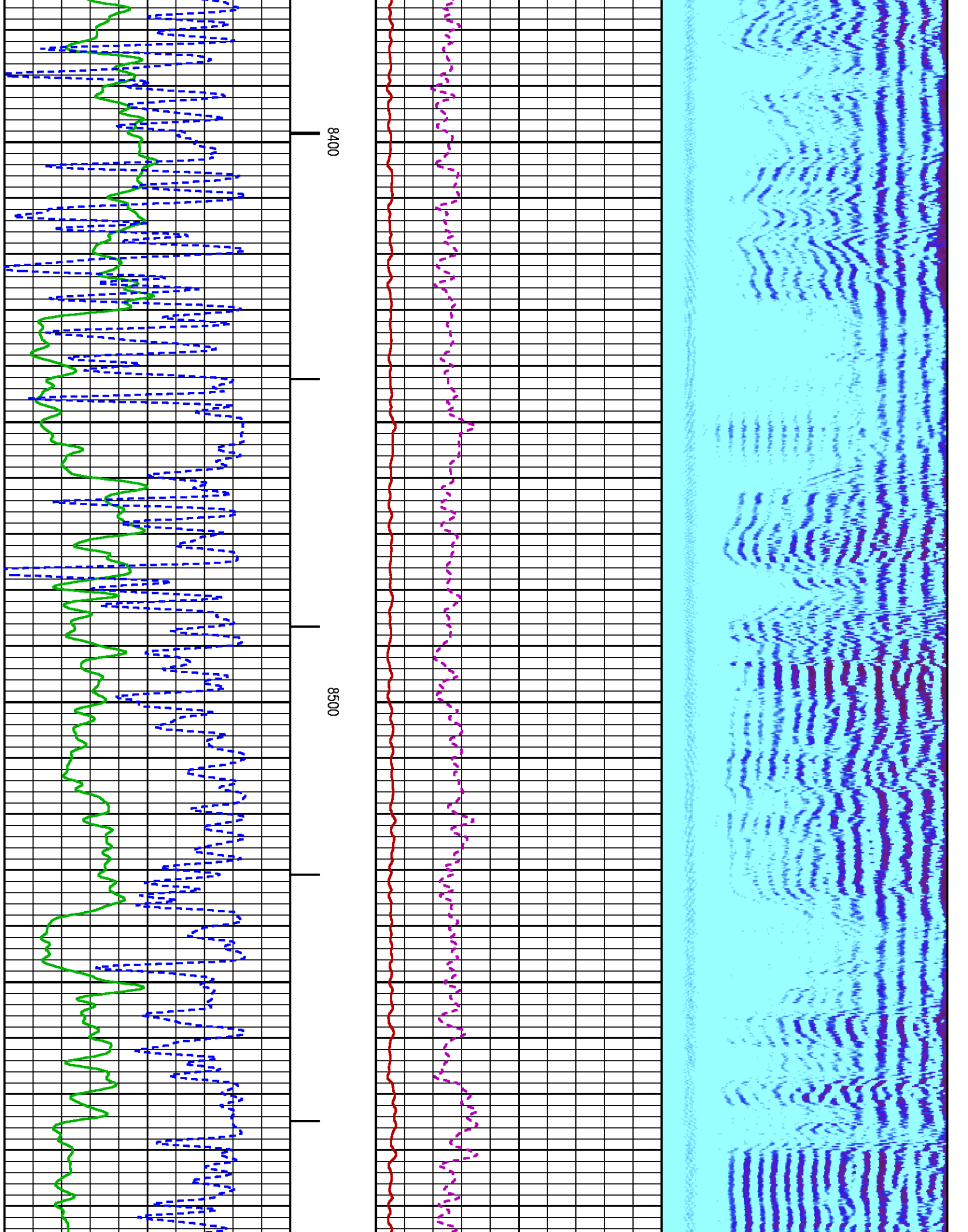
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jan 9 08:34:51 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 9 08:34:51 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 9 08:34:51 2015	FAR WAVE FORM
F1:GR	Jan 9 08:34:51 2015	GAMMA RAY
F1:TTN	Jan 9 08:34:51 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 9 08:34:51 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

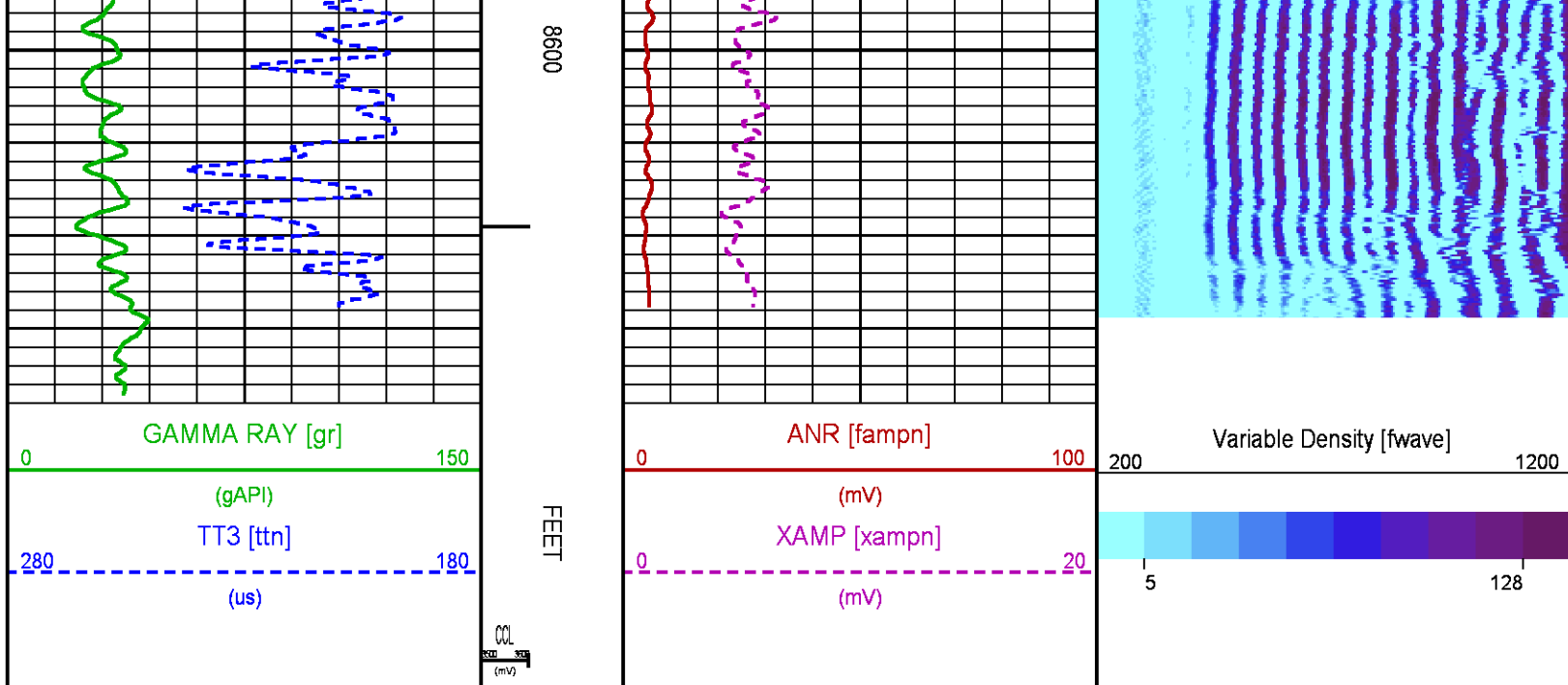
CURVE MEASURE POINT OFFSET

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	: BHUGHES-06627:C:\dat1a\093870\41_CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval	: 8295 - 8638.5 Feet
Data File 1	: F1 : BHUGHES-06627:C:\dat1a\093870\41_CBL_REPEAT.xtf
Created On	: Jan 9 08:34:51 2015
Company	: WPX ENERGY
Well	: FEDERAL PA 41-27
Field	: PARACHUTE
File Interval	: 8294 - 8640 Feet
OCT	: n012g







CALIBRATION / VERIFICATION SUMMARY

Source File: C:\dat1a\093870\012g.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Mon Jan 05 09:22:41 2015

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)	0.11	0.14	0.02	0.12	0.09	0.05	0.10	0.07	0.06	0.88	-0.02
AMP FLUID (mV)	87	86	85	86	86	86	87	87	86	115	85
TT (us)	218	218	218	217	216	216	216	217	219	326	219
M FACTOR	1.15	1.17	1.18	1.17	1.17	1.16	1.16	1.16	1.16	1.31	1.18

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218495 DATE/TIME PERFORMED: Fri Jan 09 07:58:50 2015 DAYS SINCE CAL: 3

UNIT #: 3885TD Z004271 CABLE #: 4271LG LARGE1

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	0.01	0.11	-0.07	0.16	0.13	0.02	0.02	0.12	0.09	0.78	0.14
AMP AIR	3.62	3.95	3.81	3.74	3.95	4.06	4.09	3.58	3.52	3.01	89.39

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.18	0.00	1.12

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

A3 CABLEHEAD
Diameter : 1.37"

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

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: 18.85'
TOTAL WEIGHT: 227 lbs
MAX DIAMETER: 0'4.00"

	COMPANY	WPX ENERGY		FILE NO:	
	WELL	FEDERAL PA 41-27			CH093870
	FIELD	PARACHUTE		API NO:	
	COUNTY	GARFIELD	STATE	COLORADO	05045222390000
LOCATION:		ELEVATIONS:		27 6S 95W	
SHL: 2352' FNL & 647' FEL		KB 5882 FT		DOE 2-W-27 PAD	
BHL: 974' FNL & 524' FEL		DF		NABORS 576	
GL 5856 FT		DATE		9-Jan-2015	
SEC 27		TWP 6S		RGE 96W	