



FILE NO: CH093342	COMPANY WPX ENERGY
API NO: 05045224650000	WELL GM 342-12
	FIELD GRAND VALLEY
	COUNTY GARFIELD
	STATE COLORADO

Version 12 7S 96W GM 21-12 PAD NABORS 573	LOCATION: SHL: 1186' FNL & 1918' FWL BHL: 1599' FNL & 1139' FEL (SENE) SEC 12 TWP 7S RGE 96W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB KB	ELEVATION 5125 FT 26 FT ABOVE P.D.
		ELEVATIONS: KB 5151 FT DF GL 5125 FT

DATE		27-Dec-2014	
RUN	TRIP	1	1
SERVICE ORDER		US093342	
DEPTH DRILLER		7047 FT	
DEPTH LOGGER		7014 FT	
BOTTOM LOGGED INTERVAL		7004 FT	
TOP LOGGED INTERVAL		26 FT	
TIME STARTED		8:30	
TIME FINISHED		11:30	
OPERATOR RIG TIME		3 HOURS	
TYPE OF FLUID IN HOLE		WATER	
FLUID DENSITY		NA	
FLUID SALINITY		NA	
FLUID LEVEL		64 FT	
LOGGED CEMENT TOP		NA	
WELLHEAD PRESSURE		0 PSI	
MAXIMUM HOLE DEVIATION		NA	
NOMINAL LOGGING SPEED		65 F/MN	
MAX. RECORDED TEMP.		212 DEGF	
REFERENCE LOG		NA	
REFERENCE LOG DATE		NA	
EQUIP. NO.	LOCATION	4271	GRAND JCT.
RECORDED BY		P. EDWARDS	
WITNESSED BY		O. JACOBS	

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	0 FT	1707 FT
8.75 IN	1707 FT	7044 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			0 FT	1707 FT
4.5 IN	11.6 LB/F	I-80	0 FT	7044 FT

REMARKS

RUN 1 TRIP 1: All data on this log is shifted using the CCL curve to put the wellhead (top CCL mark) on depth with ground level elevation at client's request.

The amount of linear shift is 6 feet.

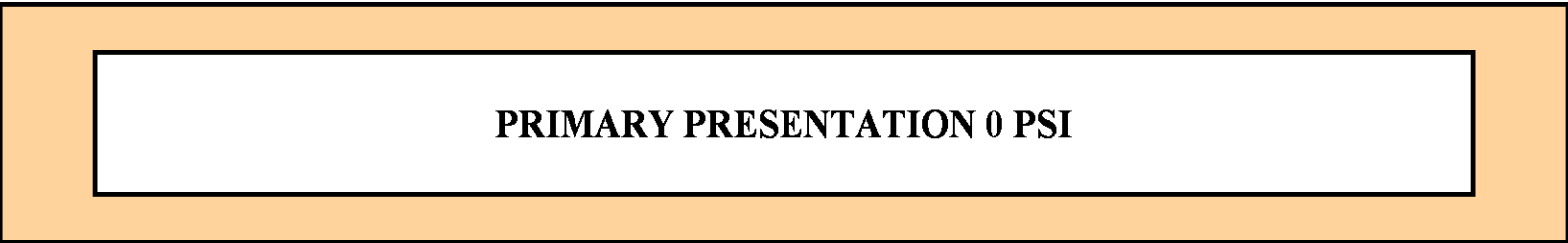
Logged with Zero PSI at wellhead.

BHT = 212 degF

SJ = 3823' - 3845'

Thanks you for choosing Baker-Hughes.

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

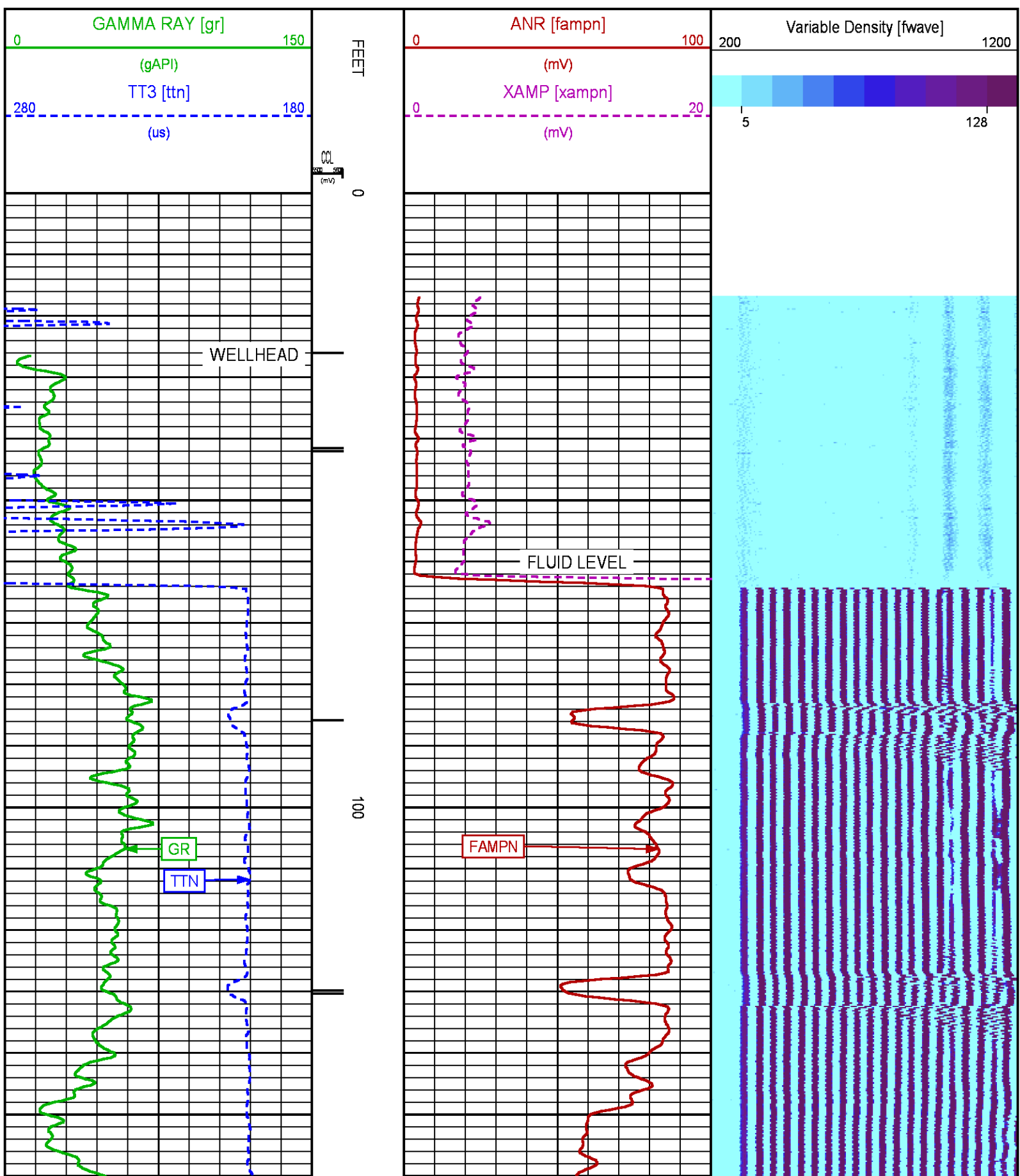
Plotted: Sat Dec 27 15:02:25 2014

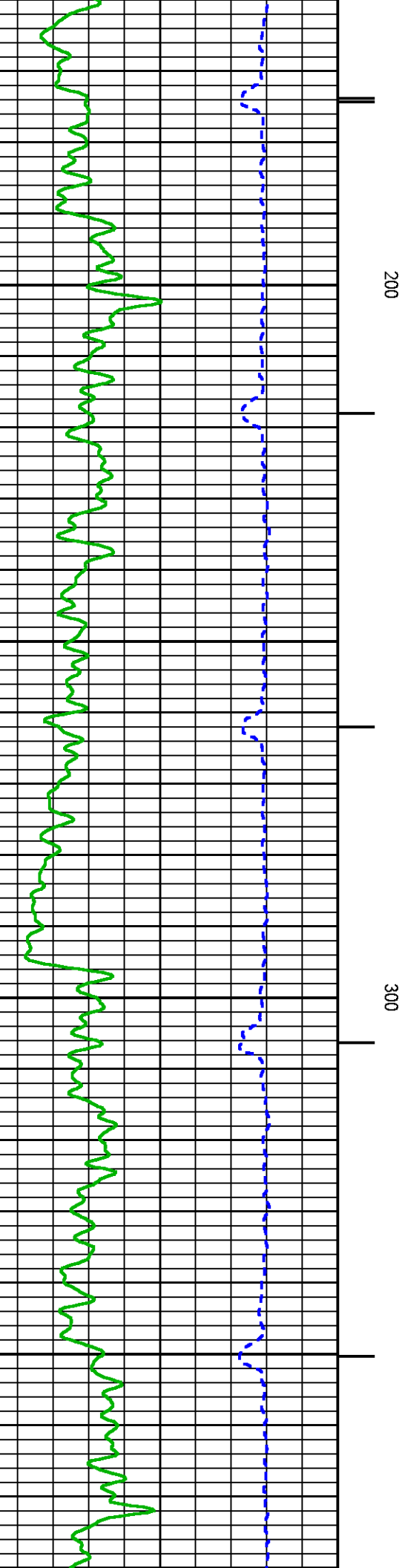
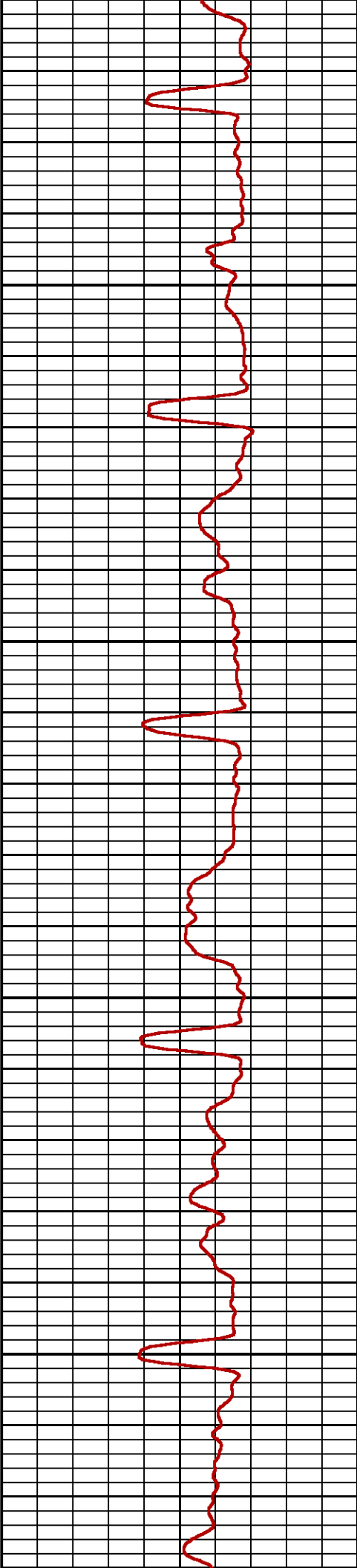
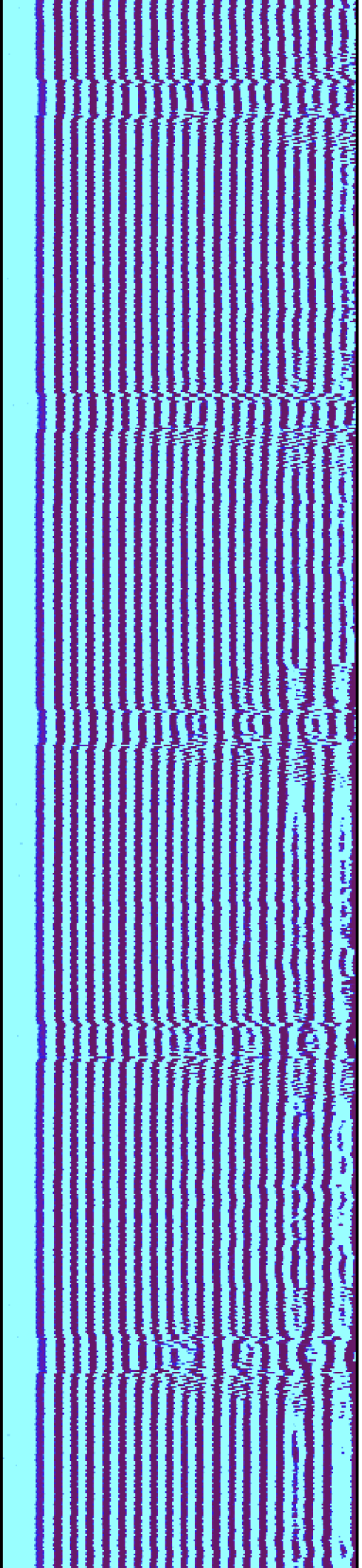
PARAMETER AND FILTER SUMMARY REPORT					
FILE: C:\dat1a\093342\012g02.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: 21.000 ft BOTTOM DEPTH: 7011.750 ft					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1)		"	"
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*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	170	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*)	-68	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

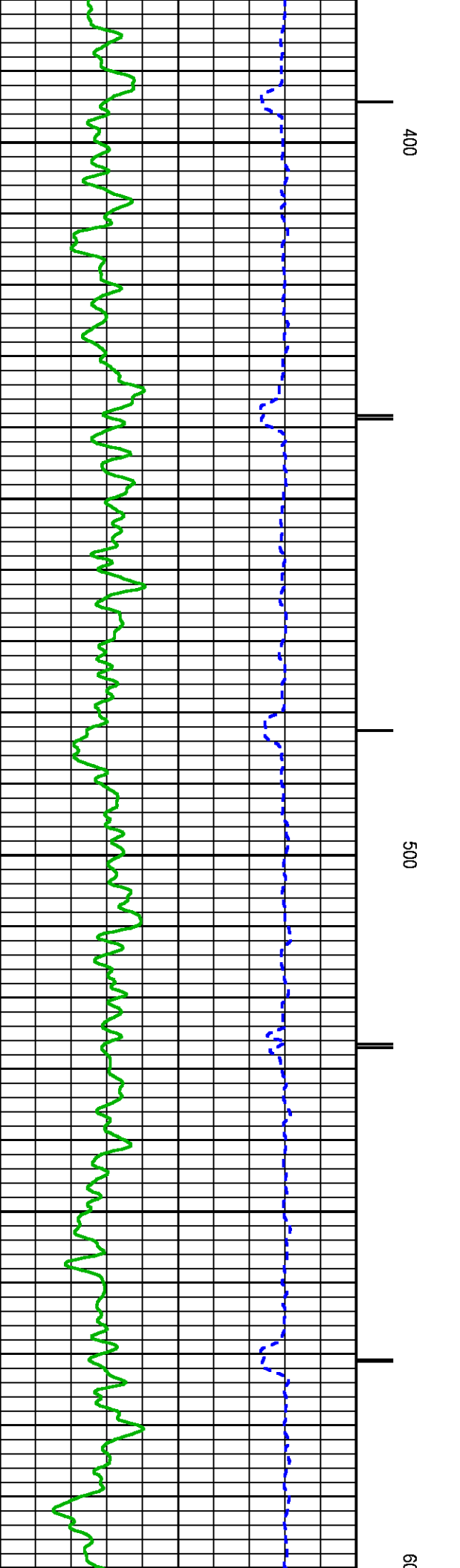
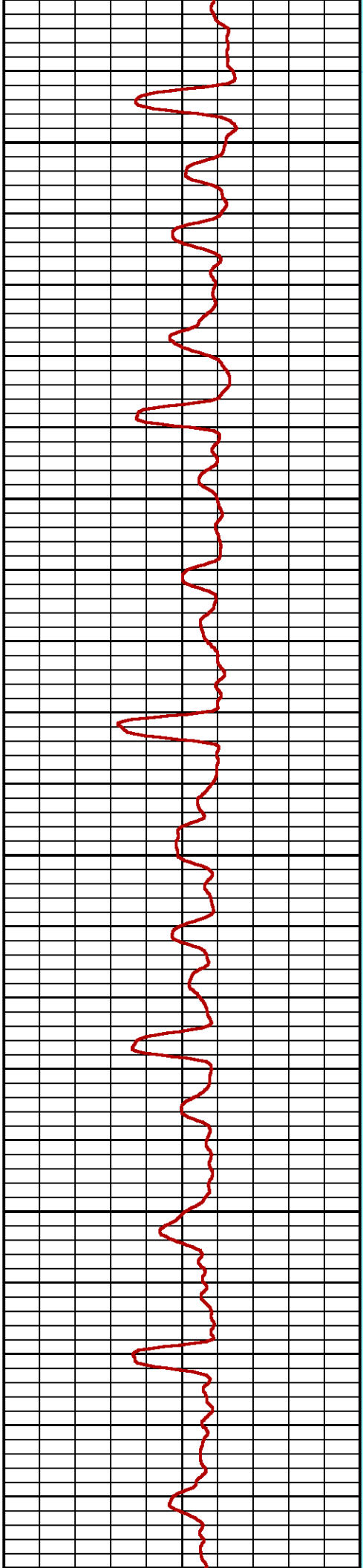
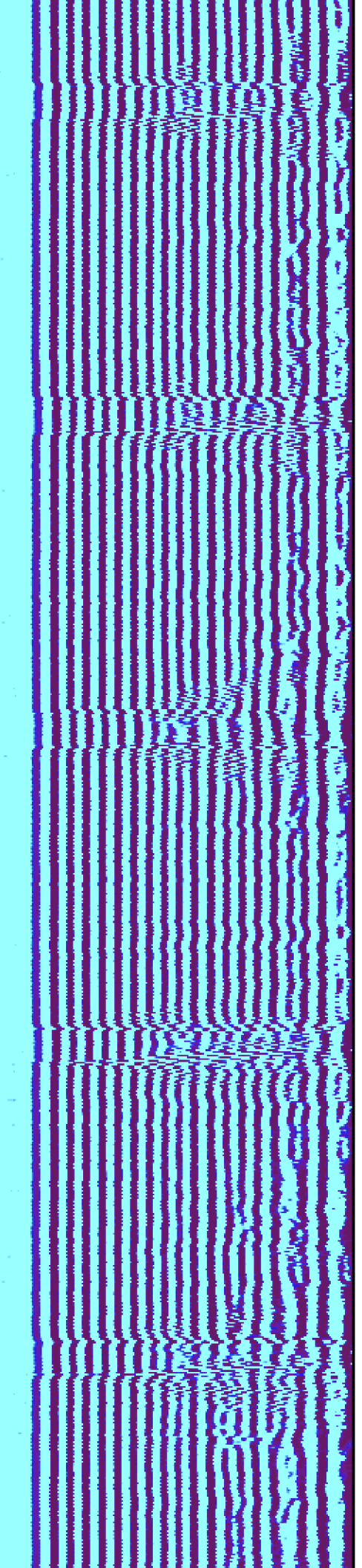
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Dec 27 09:38:32 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 27 09:38:32 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 27 09:38:32 2014	FAR WAVE FORM
F1:GR	Dec 27 09:38:32 2014	GAMMA RAY
F1:TTN	Dec 27 09:38:32 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 27 09:38:32 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

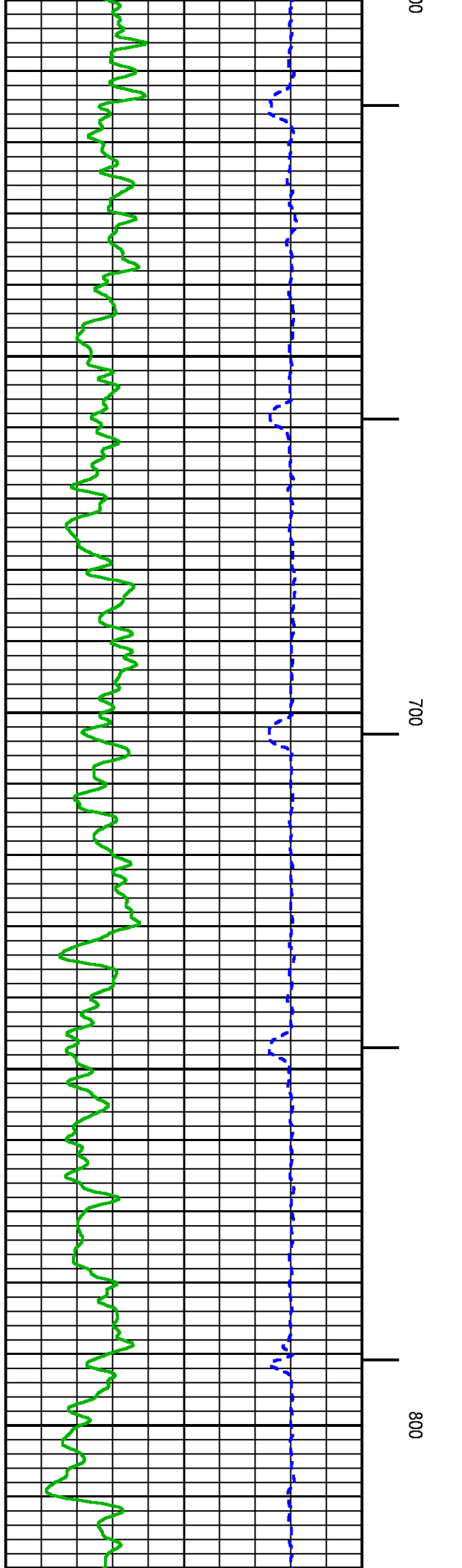
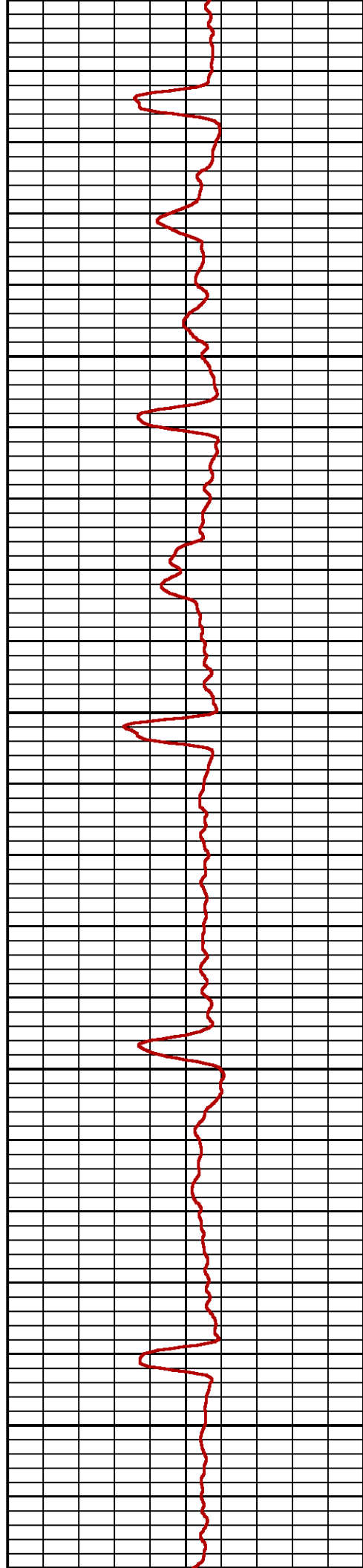
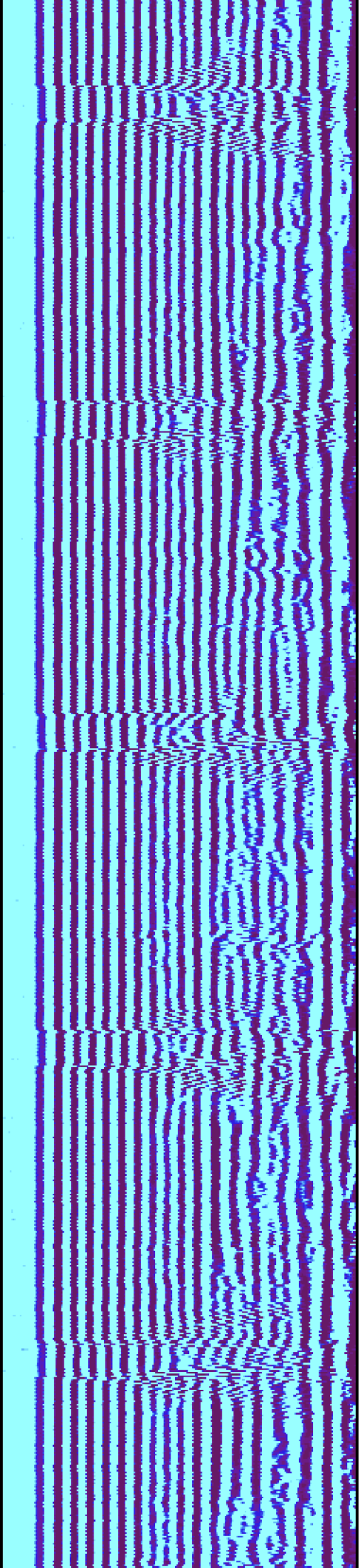
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

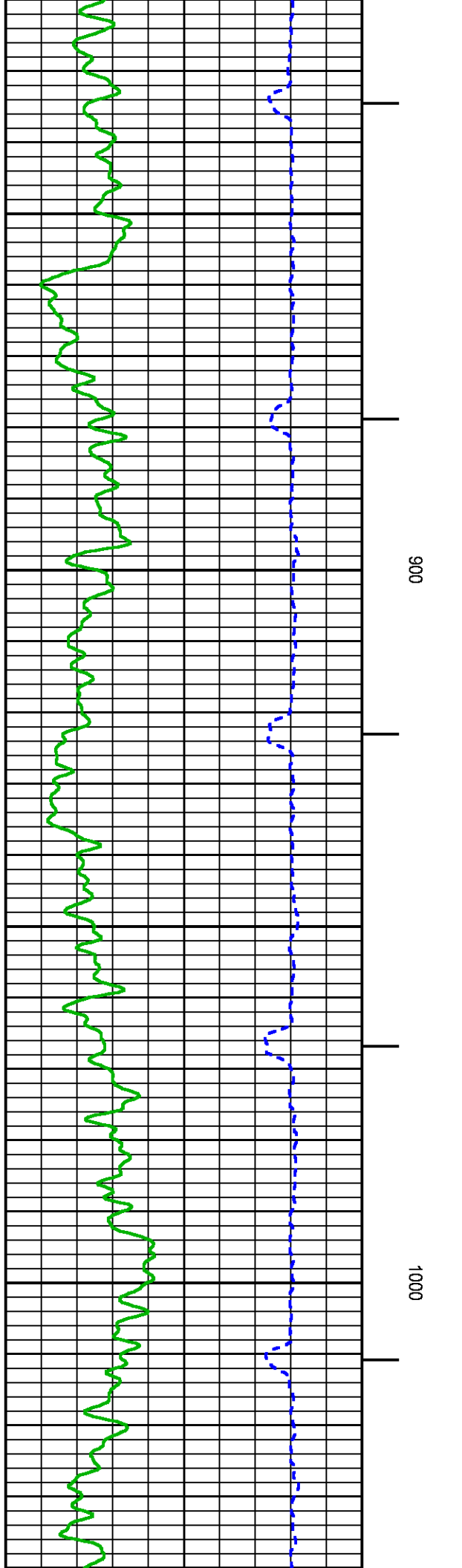
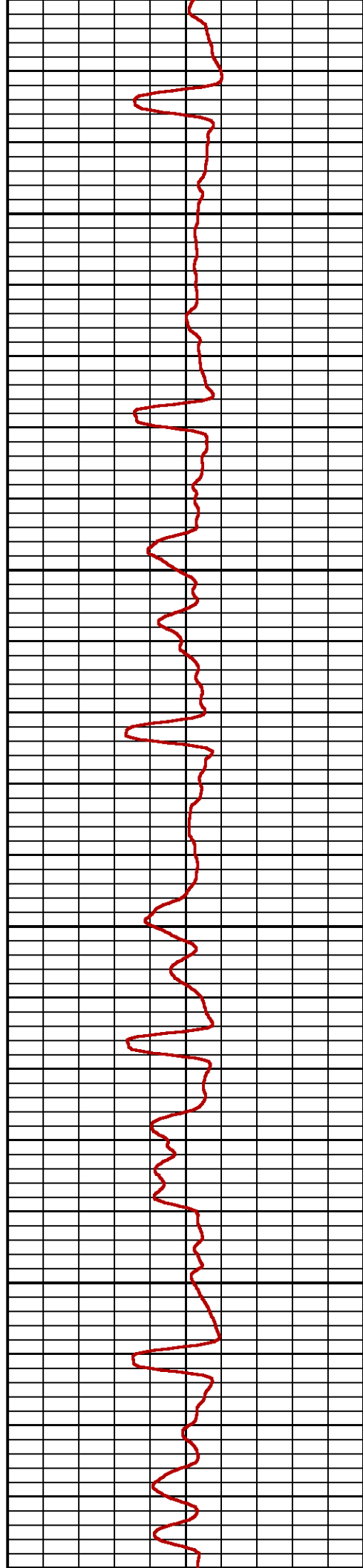
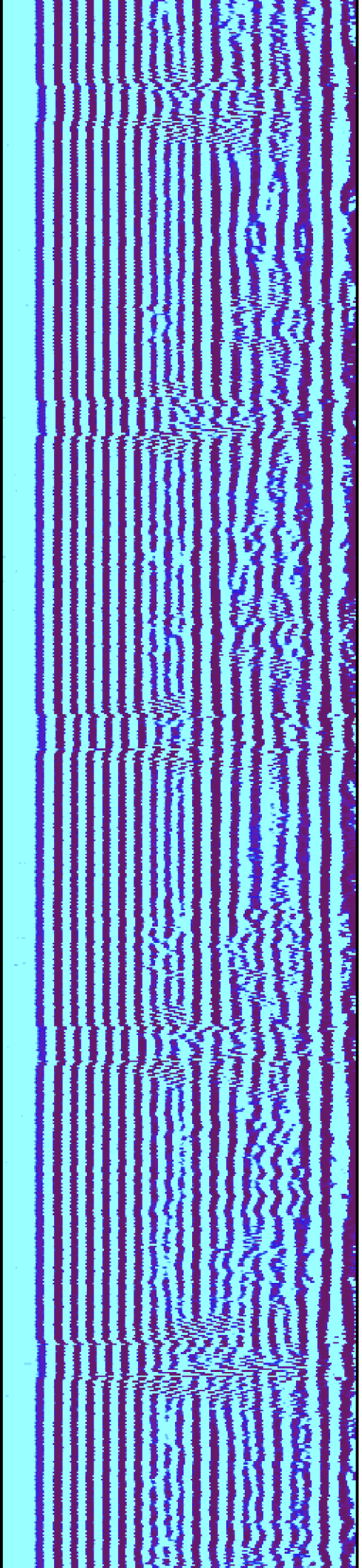
Presentation : BHUGHES-06627.C:\dat1a\093342\342_CBL_MAIN.xtf
Plot Interval : 0 - 7019 Feet
Data File 1 : F1 : BHUGHES-06627.C:\dat1a\093342\342_CBL_MAIN.xtf
Created On : Dec 27 09:38:32 2014
Company : WPX ENERGY
Well : GM 342-12
Field : GRAND VALLEY
File Interval : 15.75 - 7018 Feet
OCT : n012g

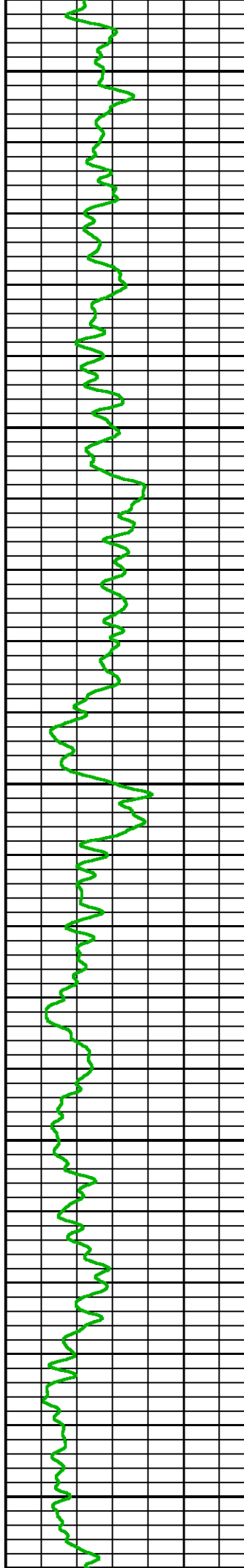
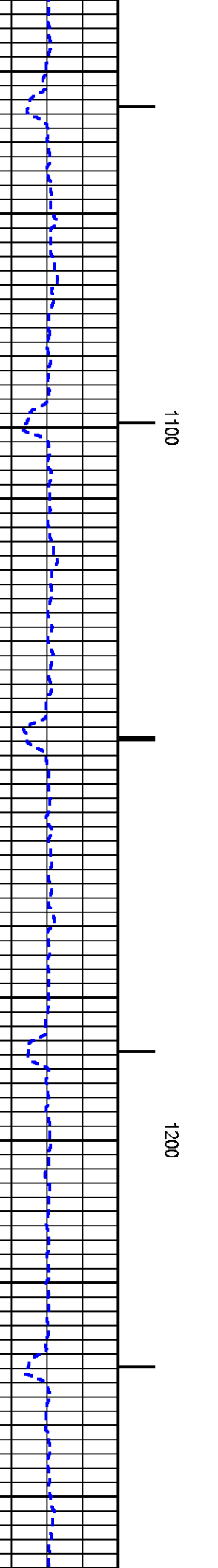
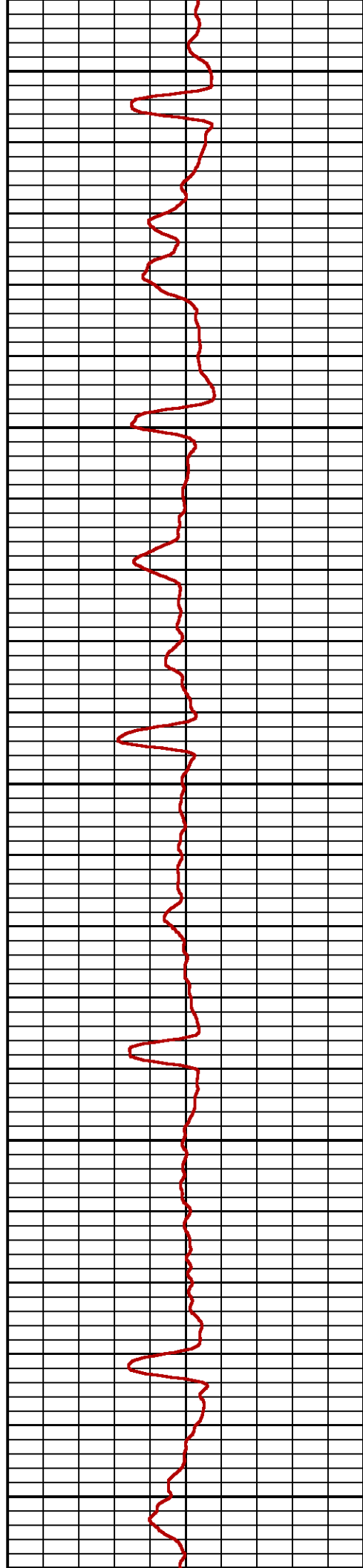
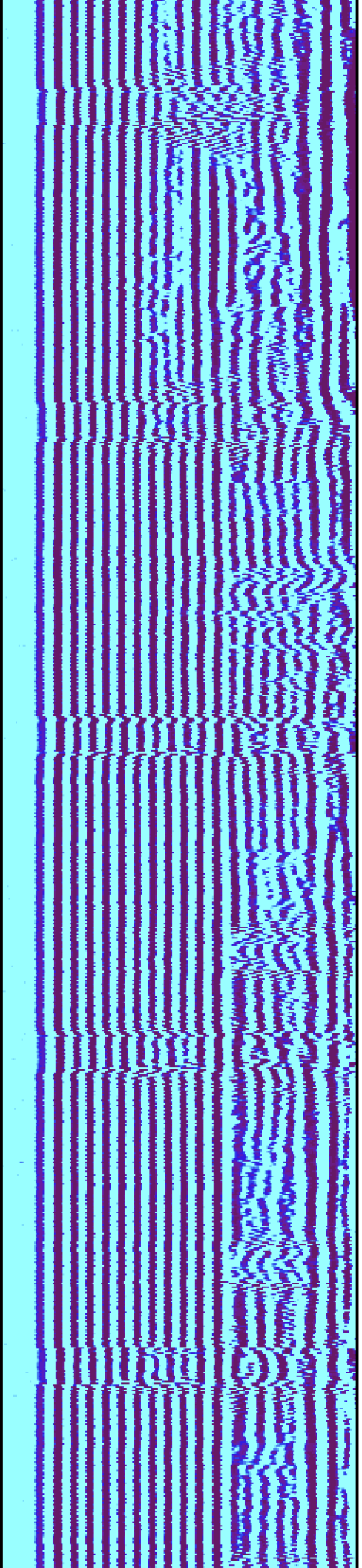


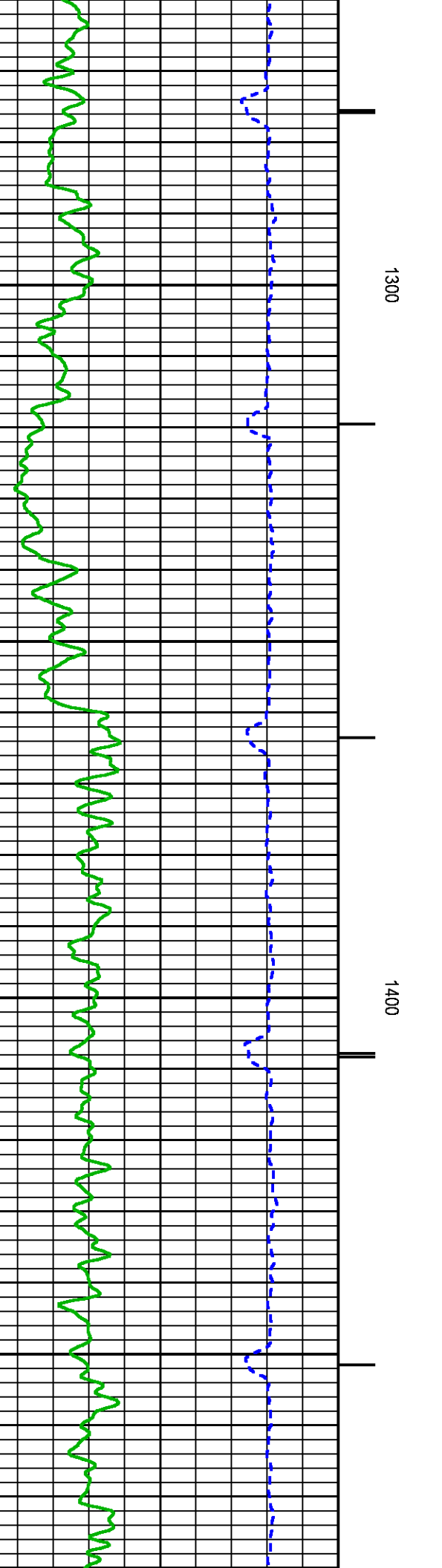
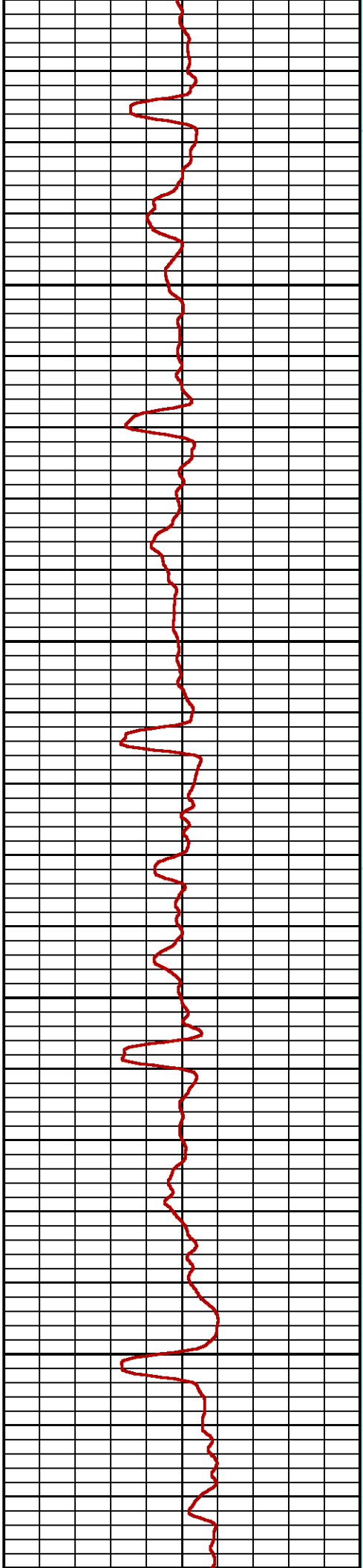
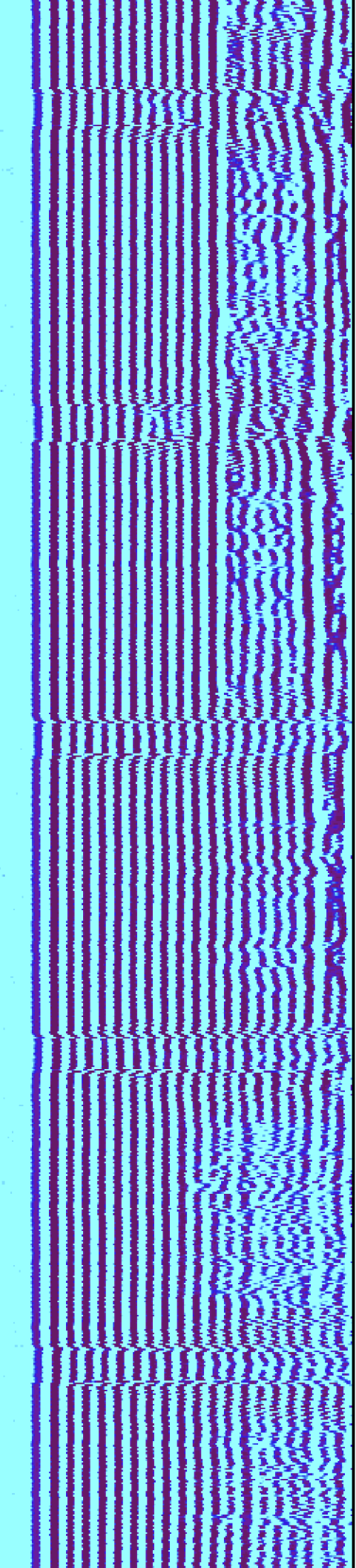


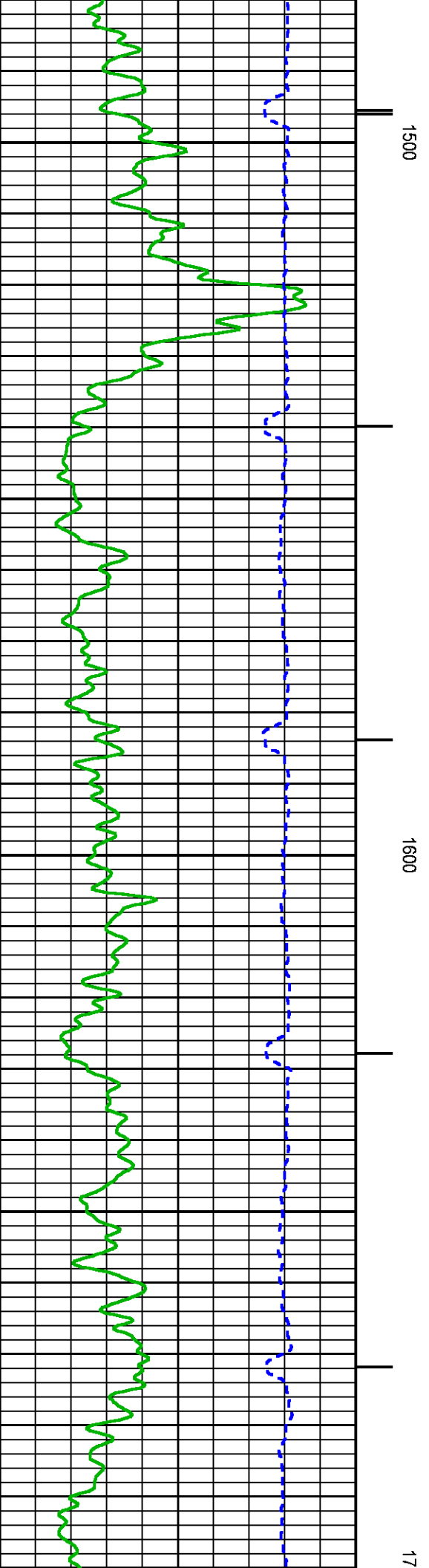
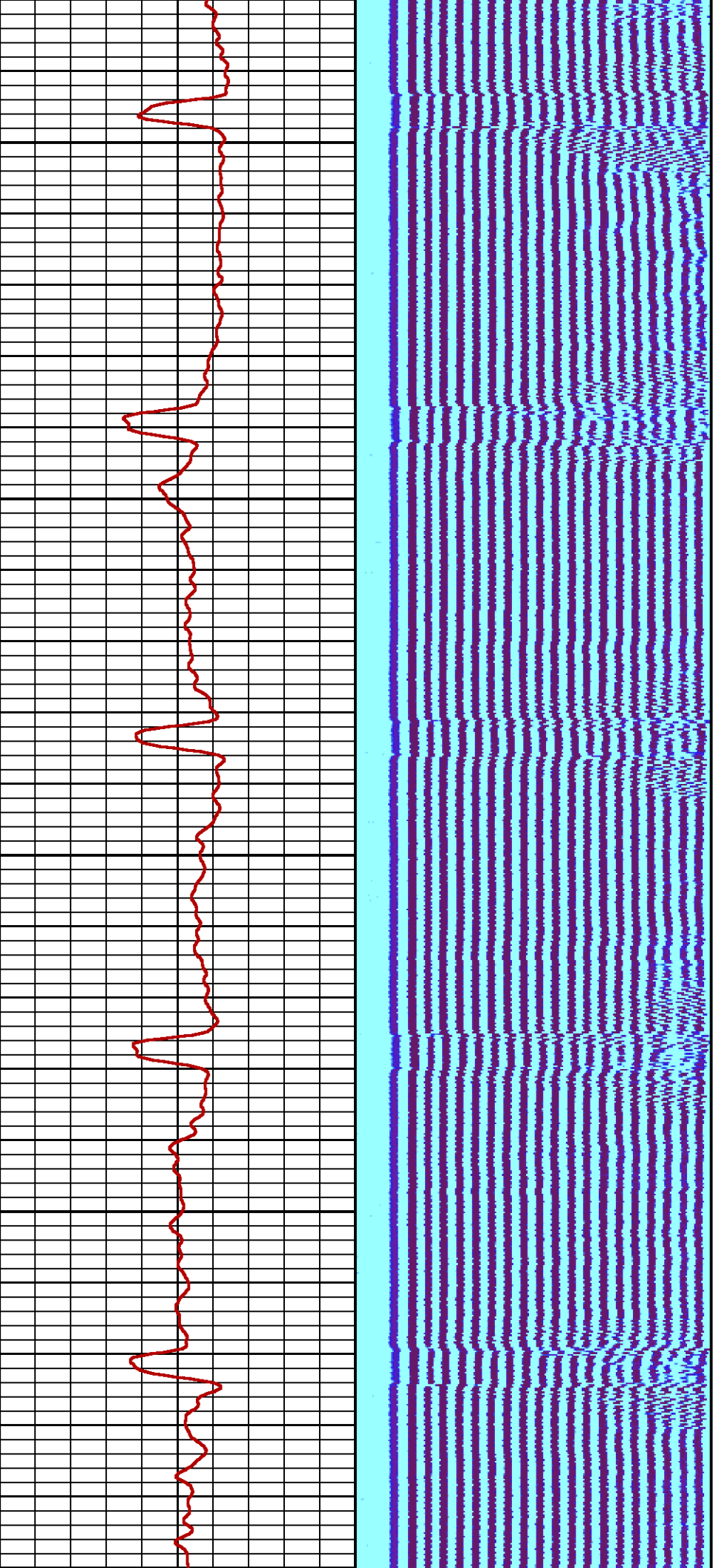


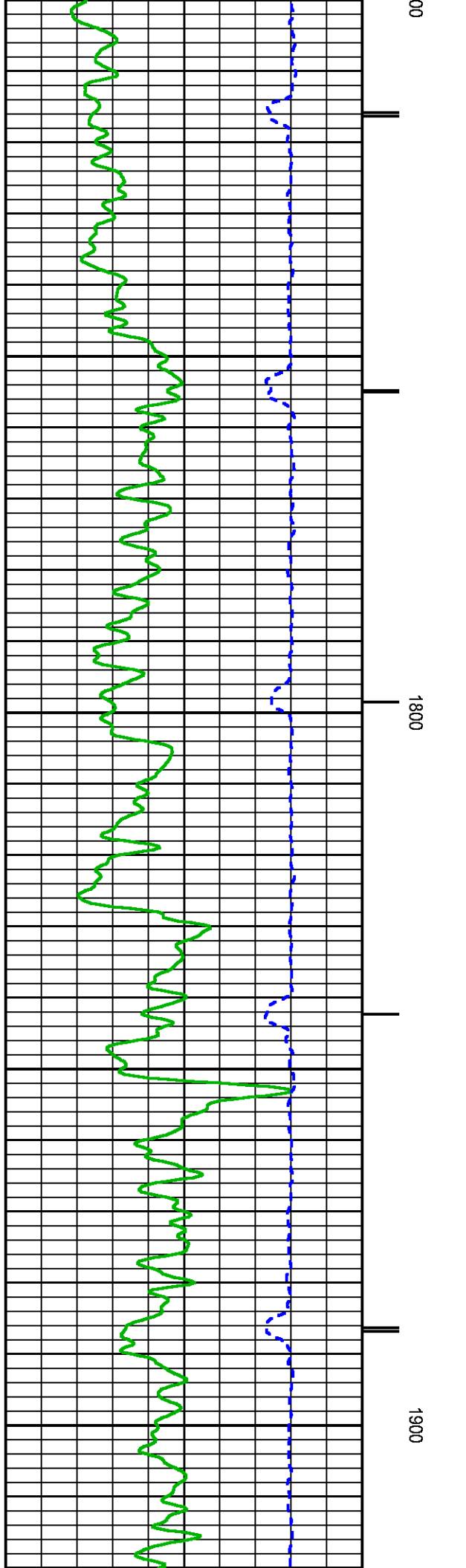
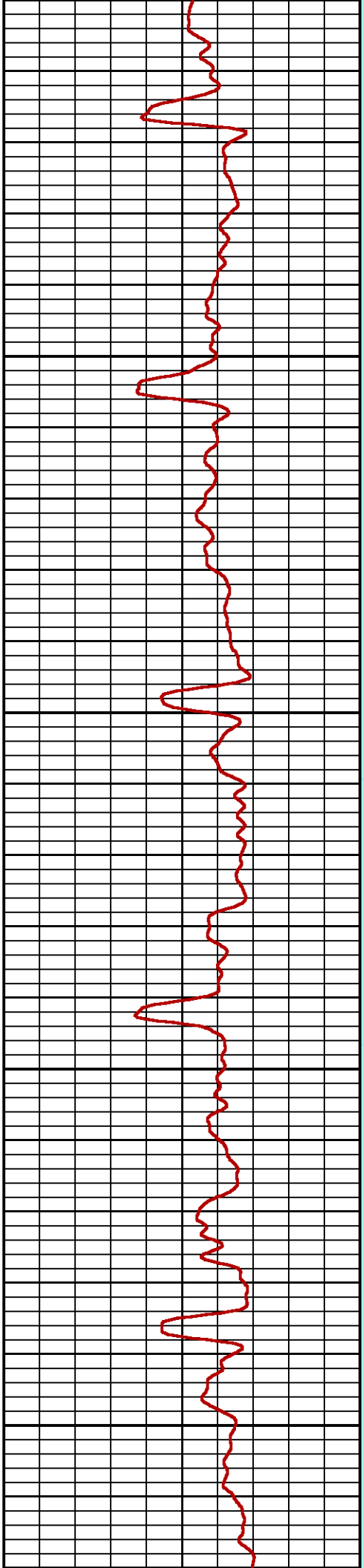
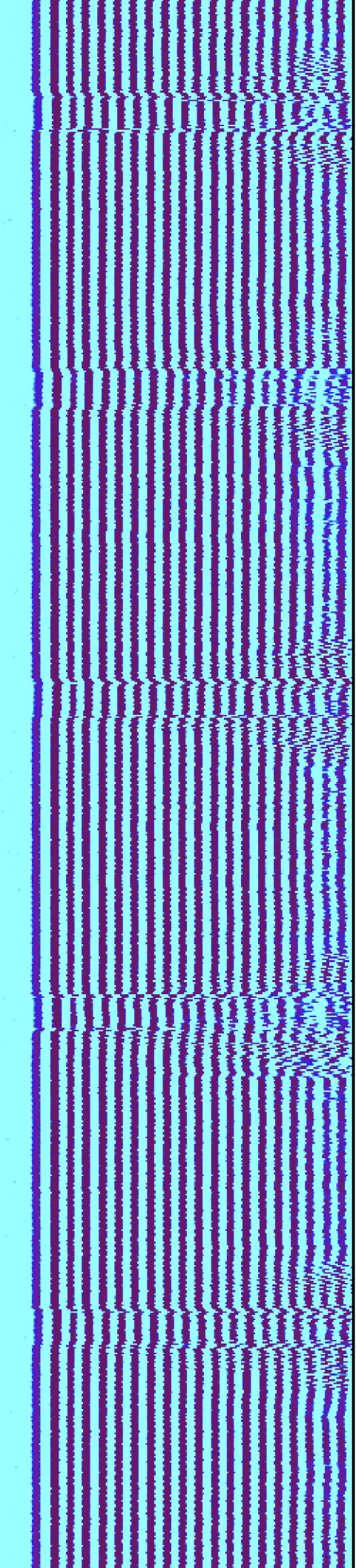


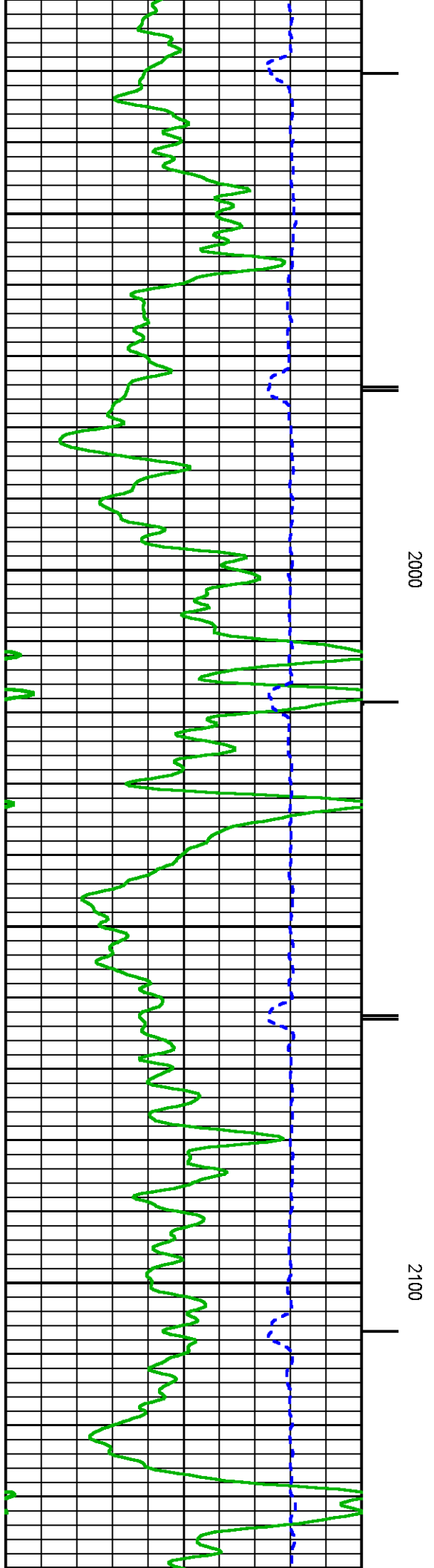
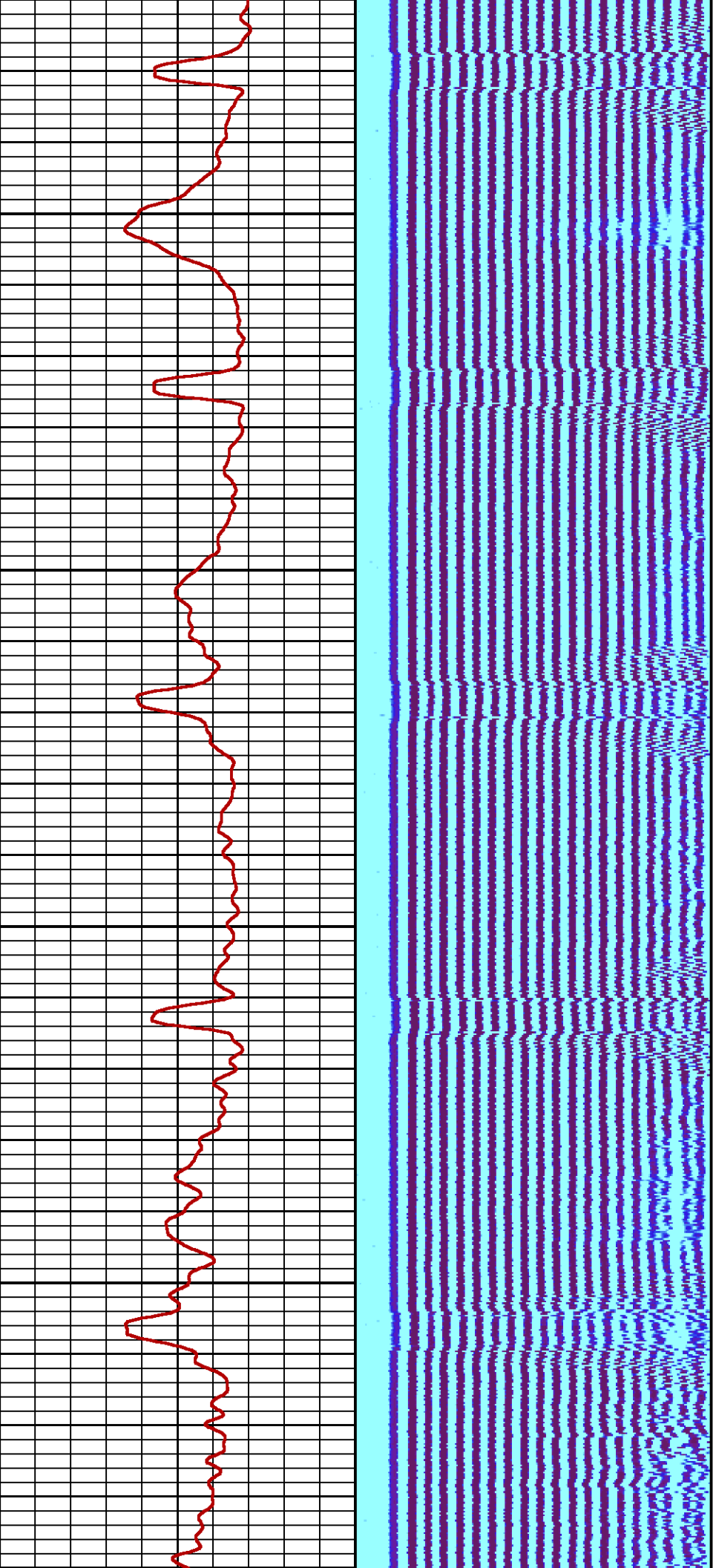


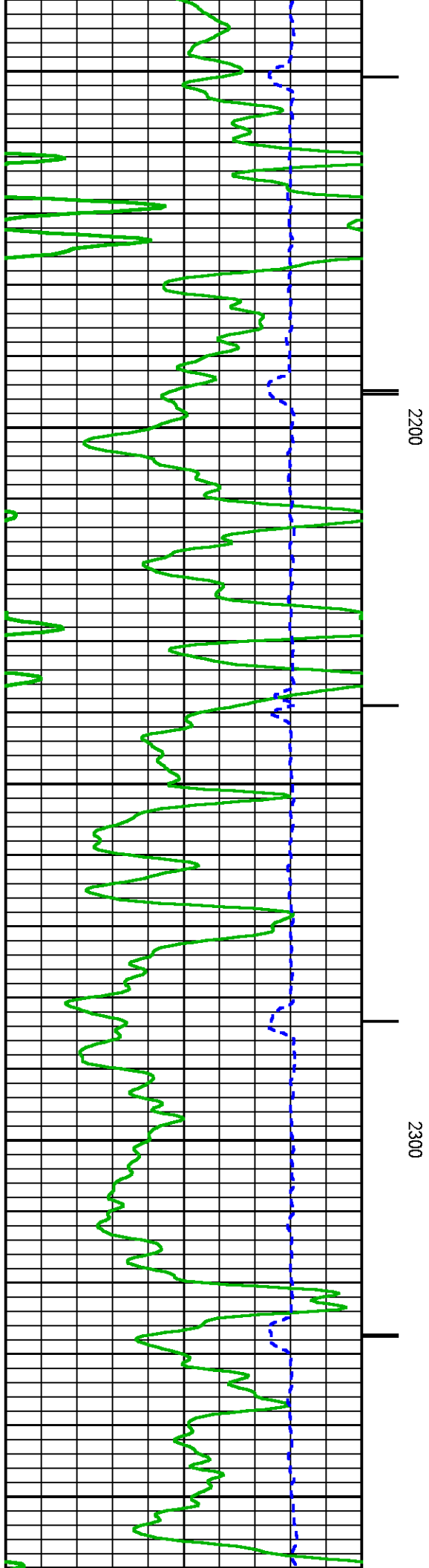
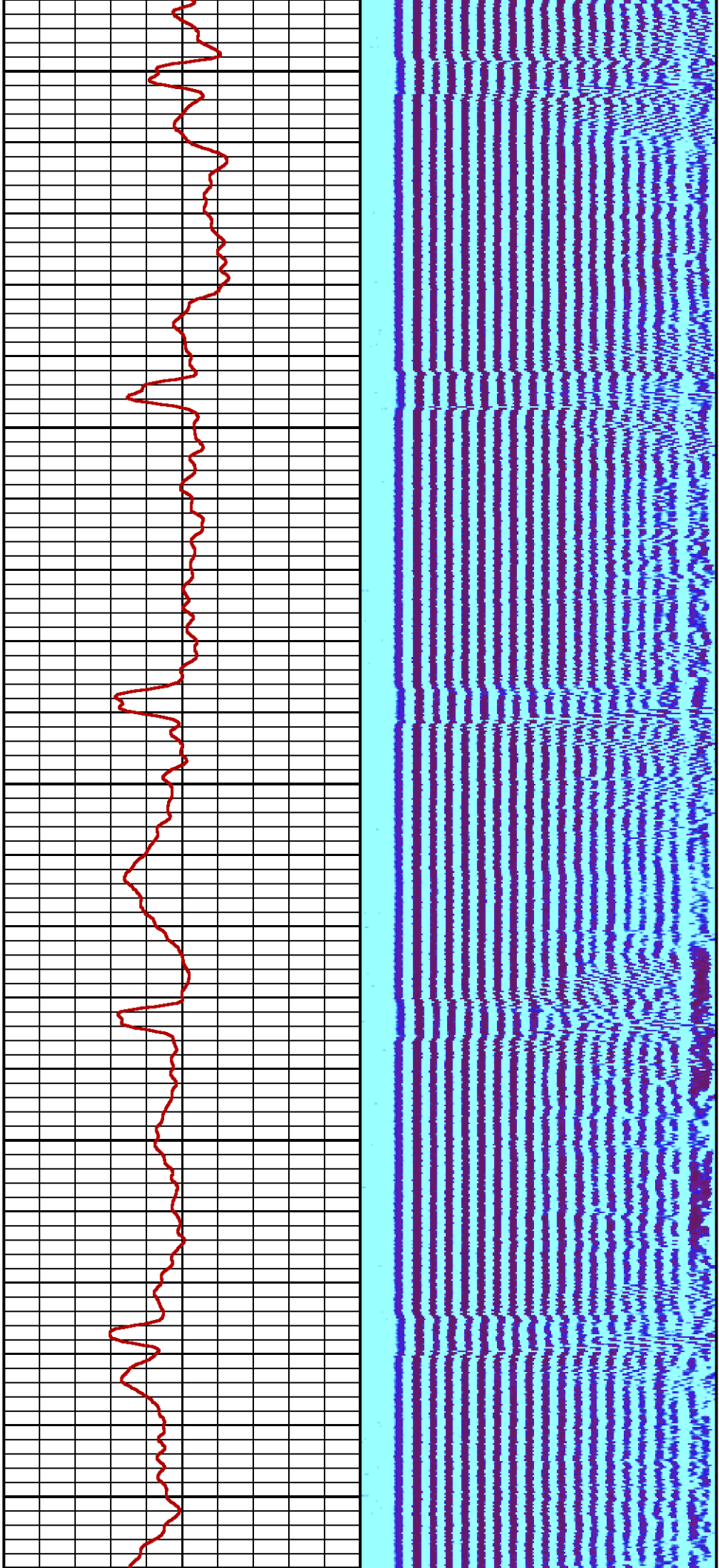


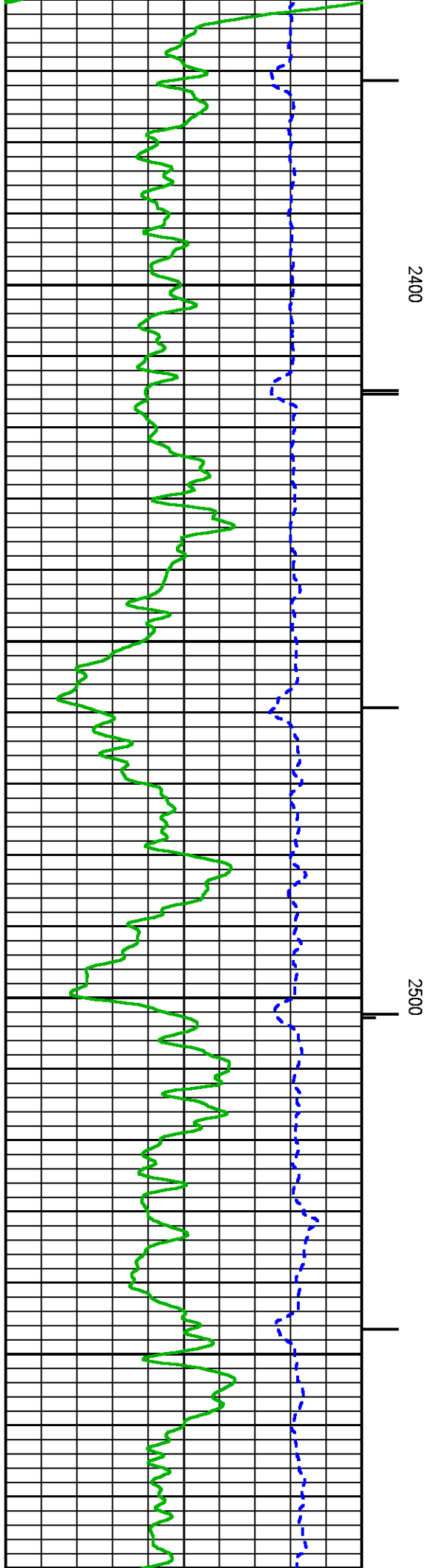
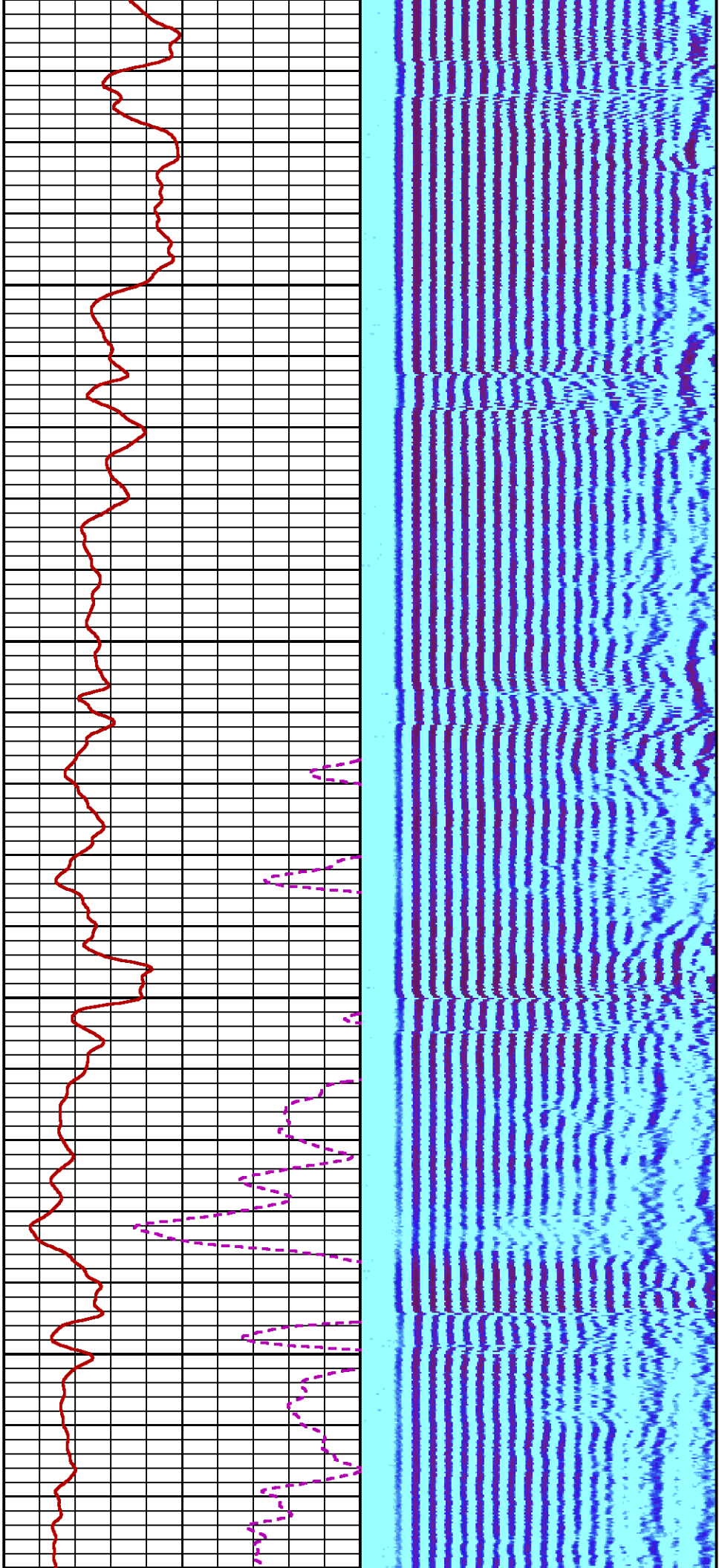


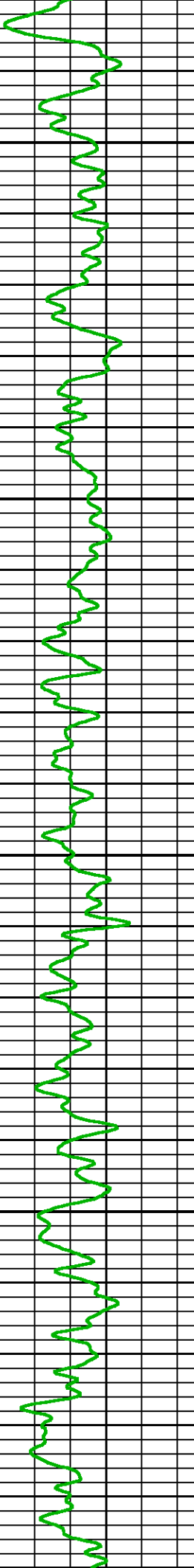
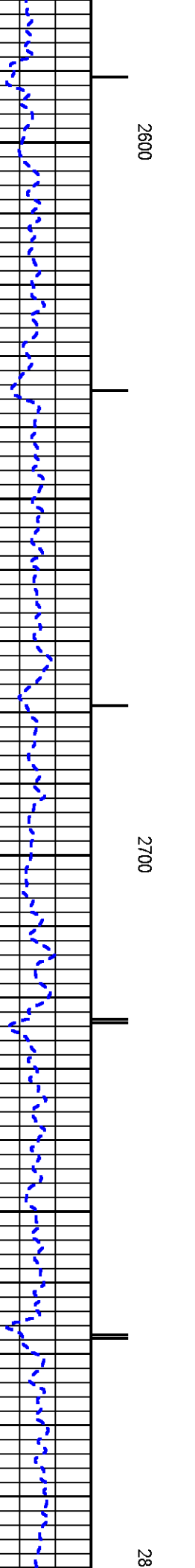
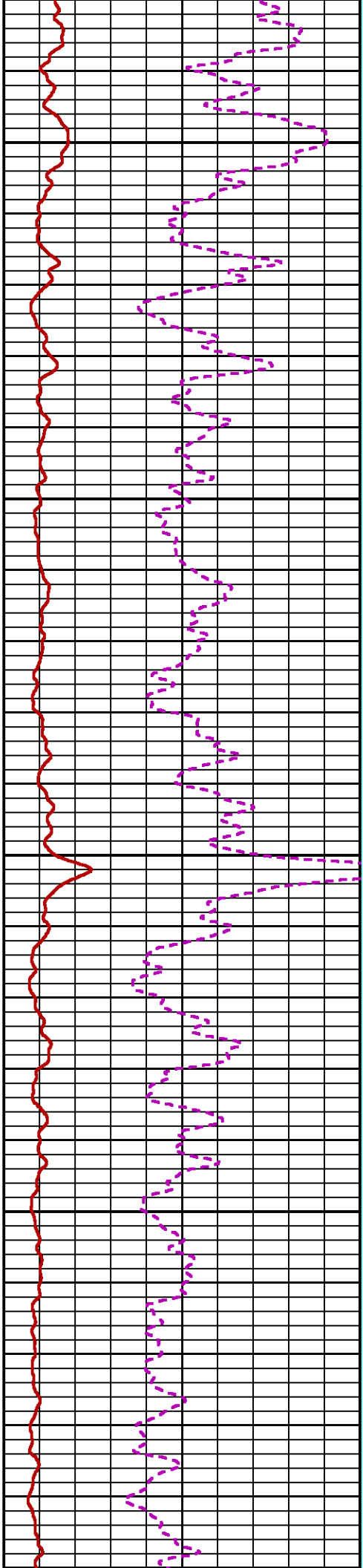
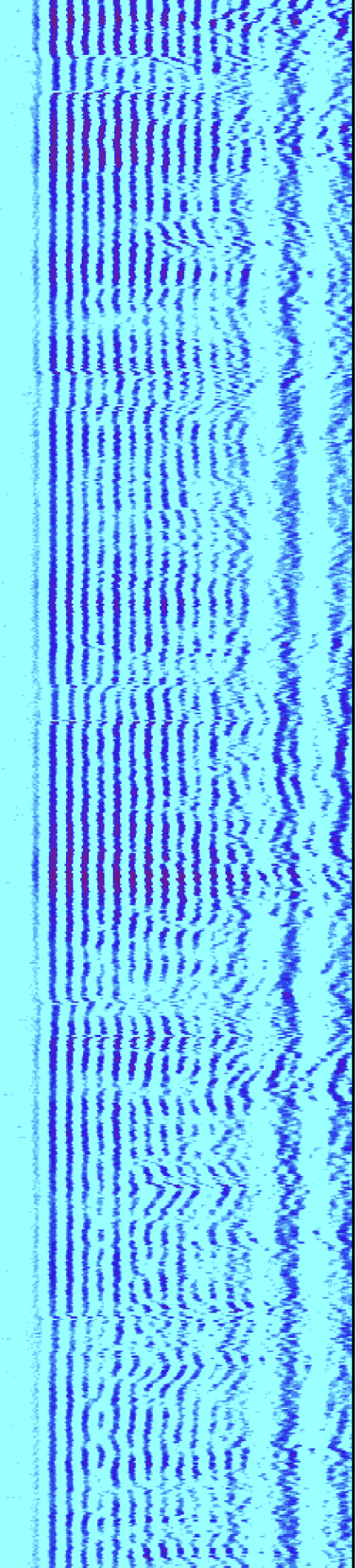








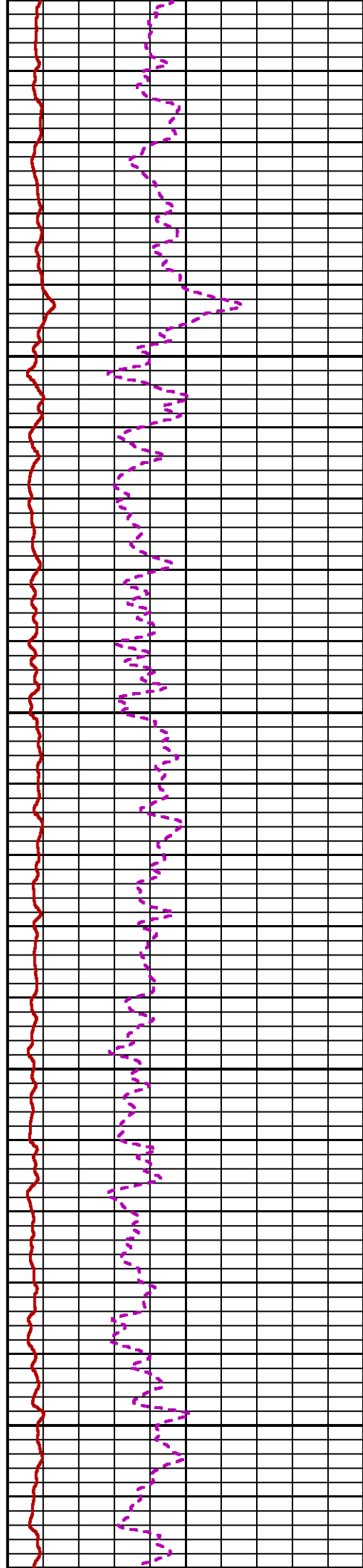
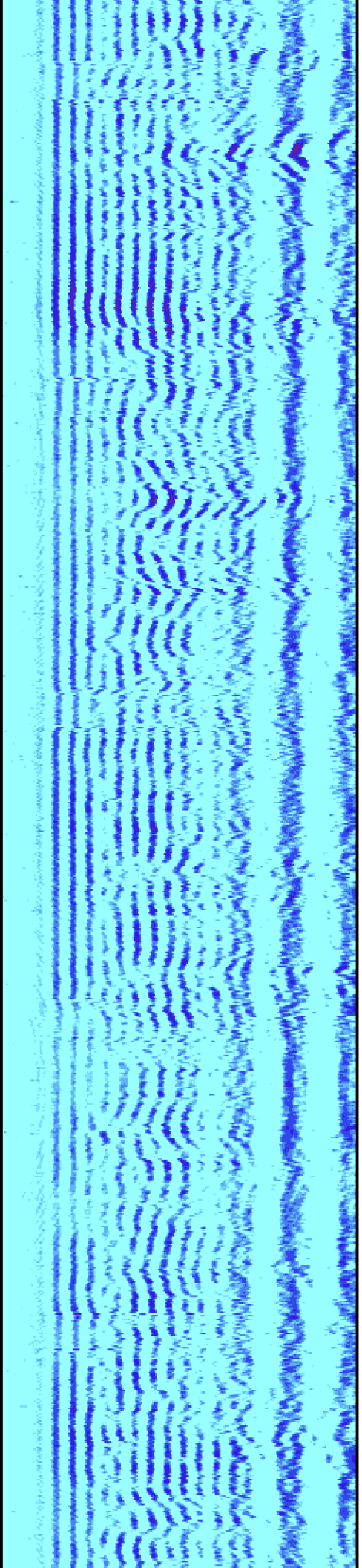




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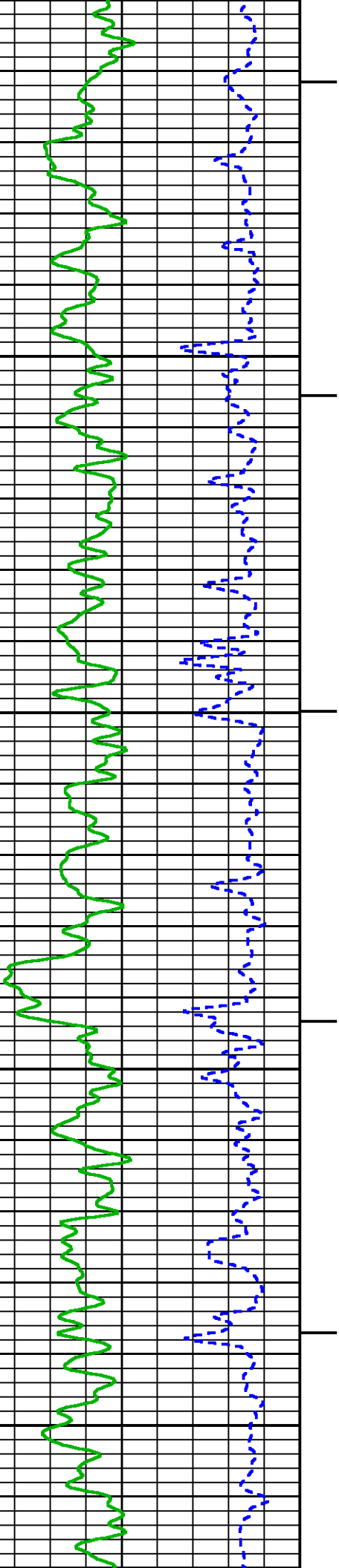
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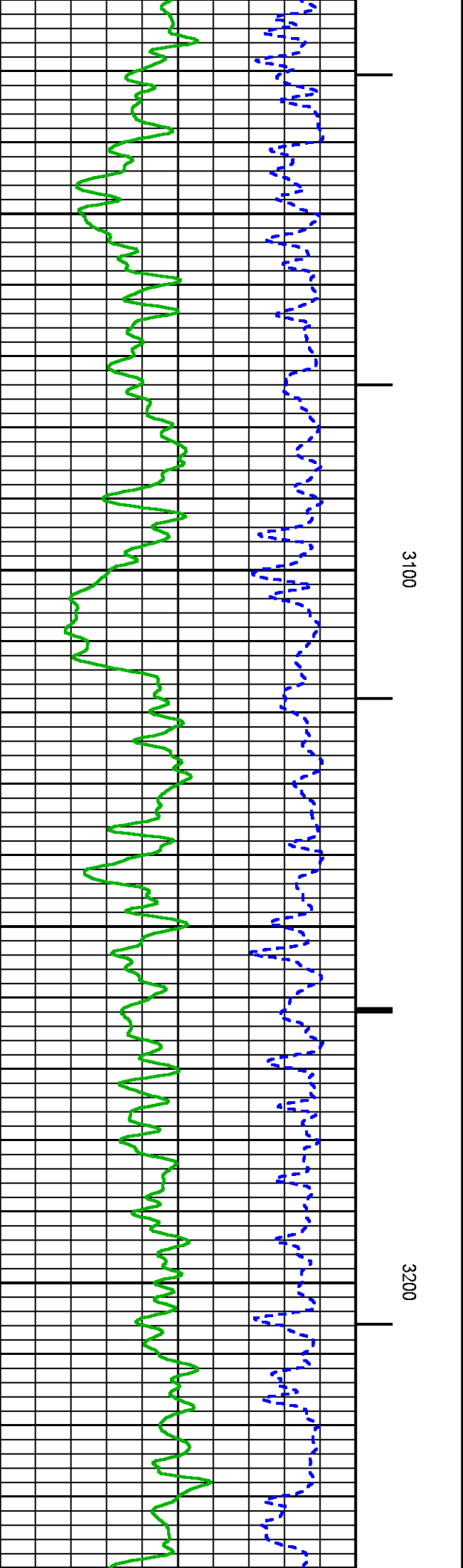
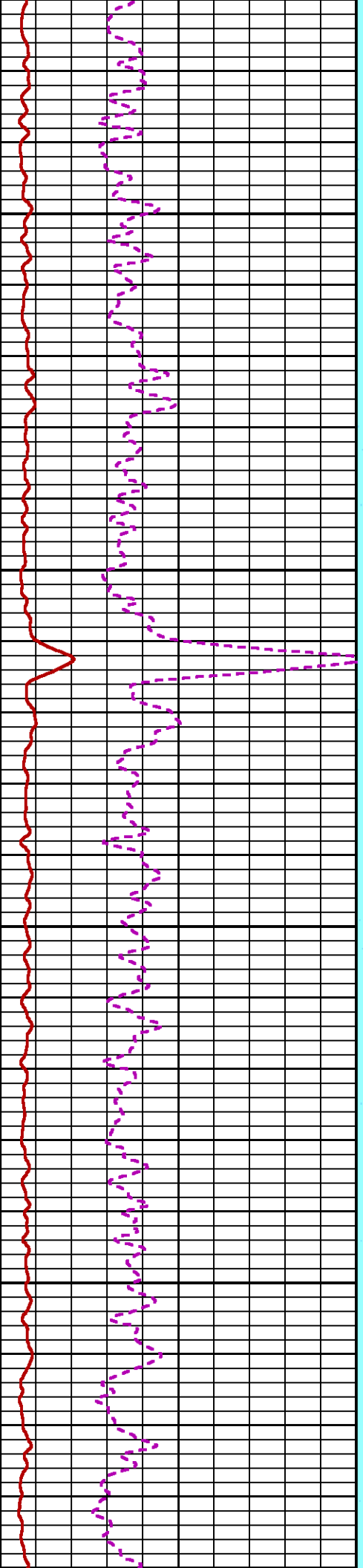
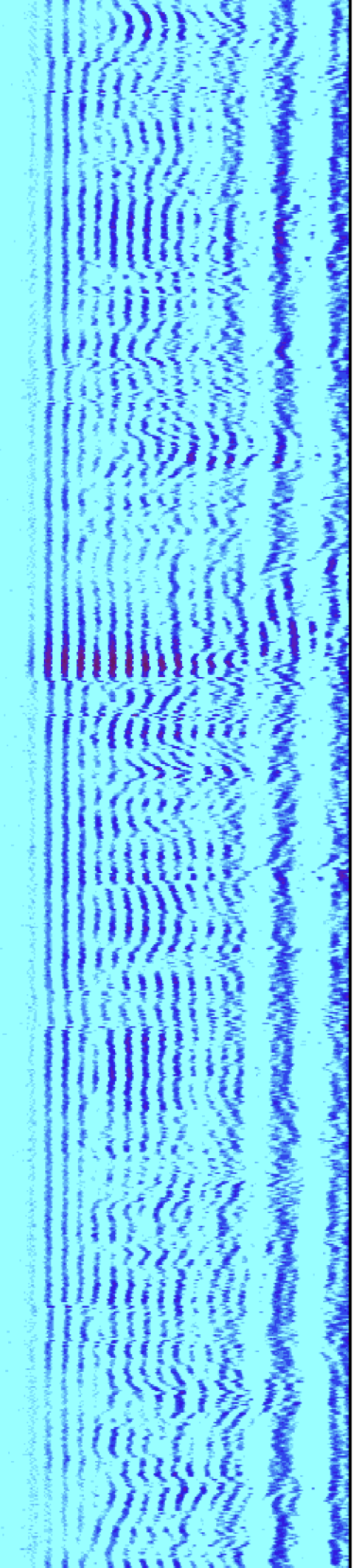


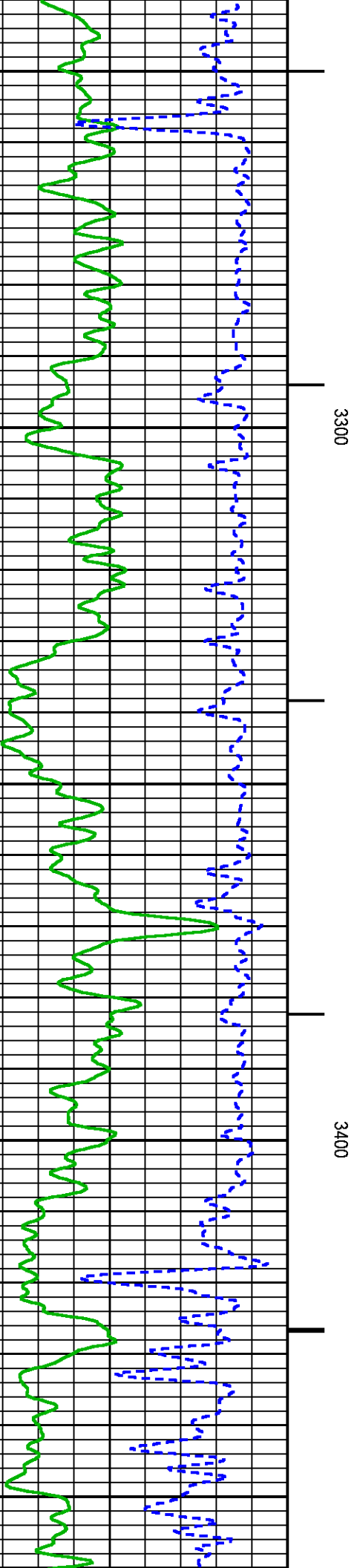
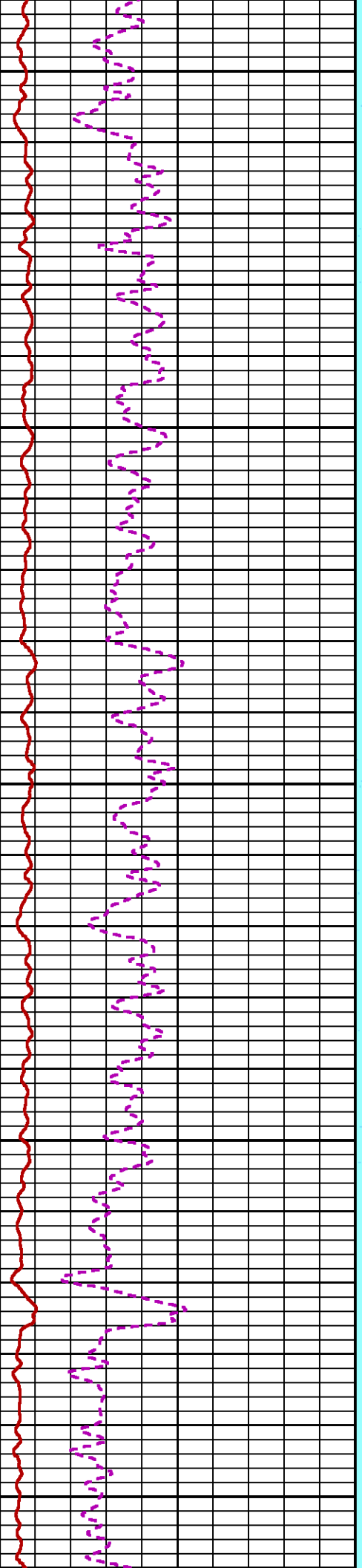
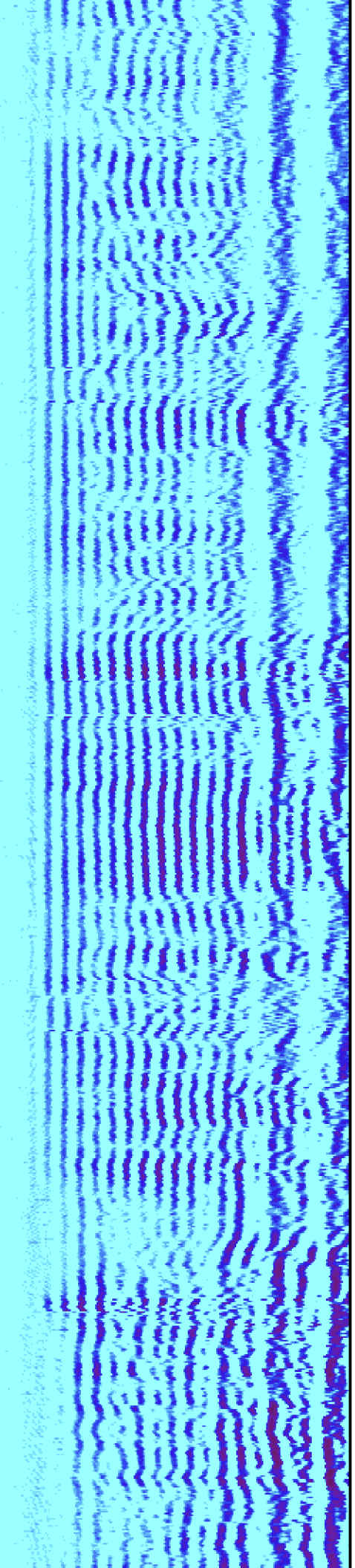
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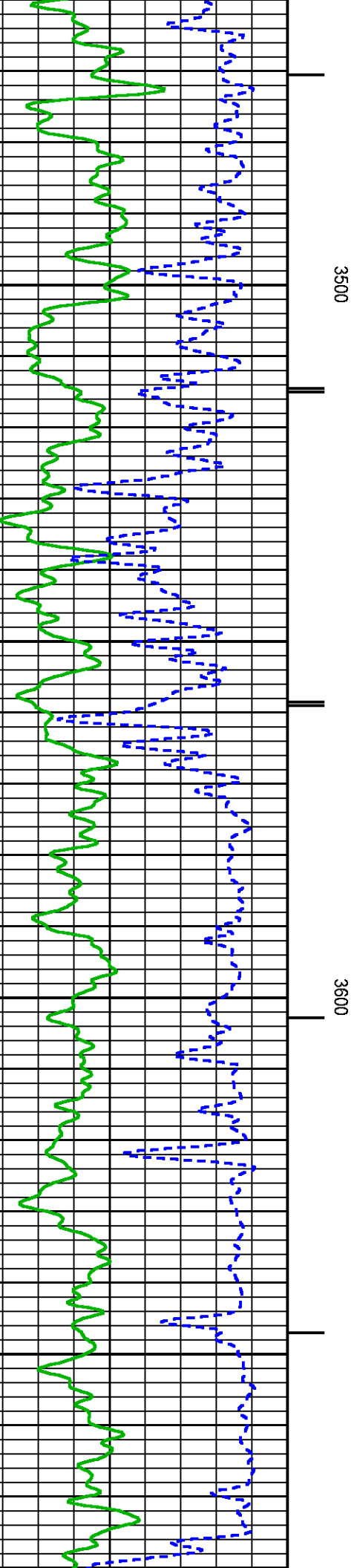
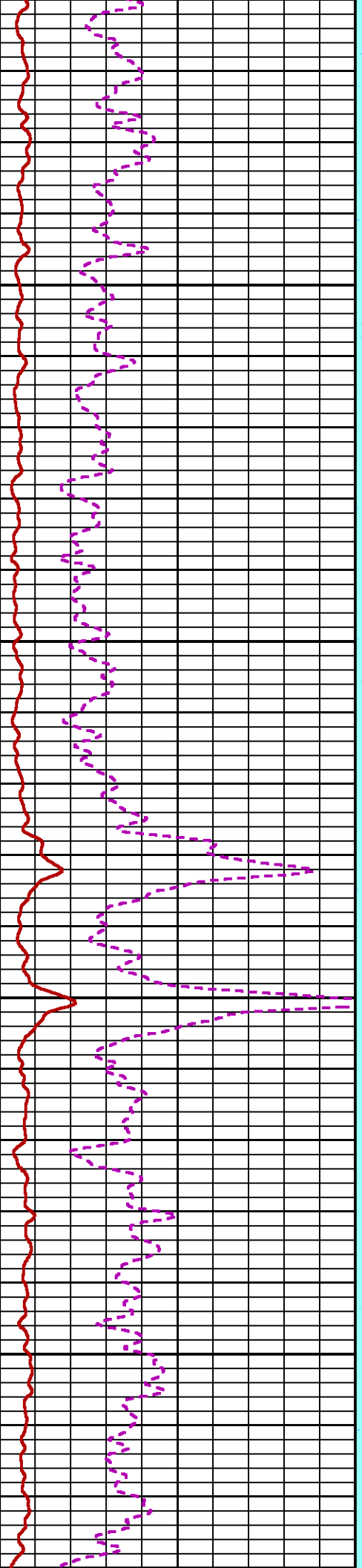
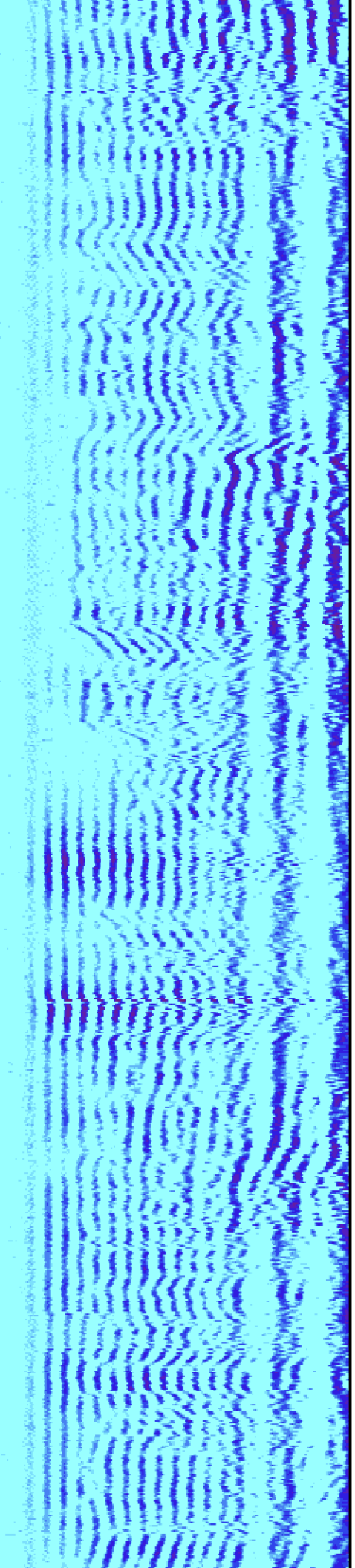
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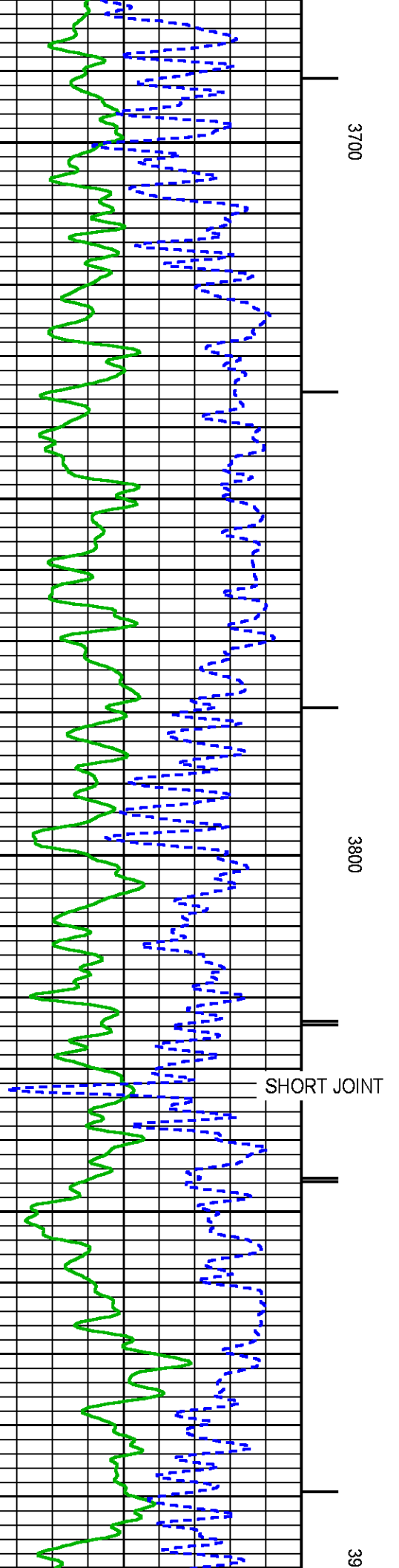
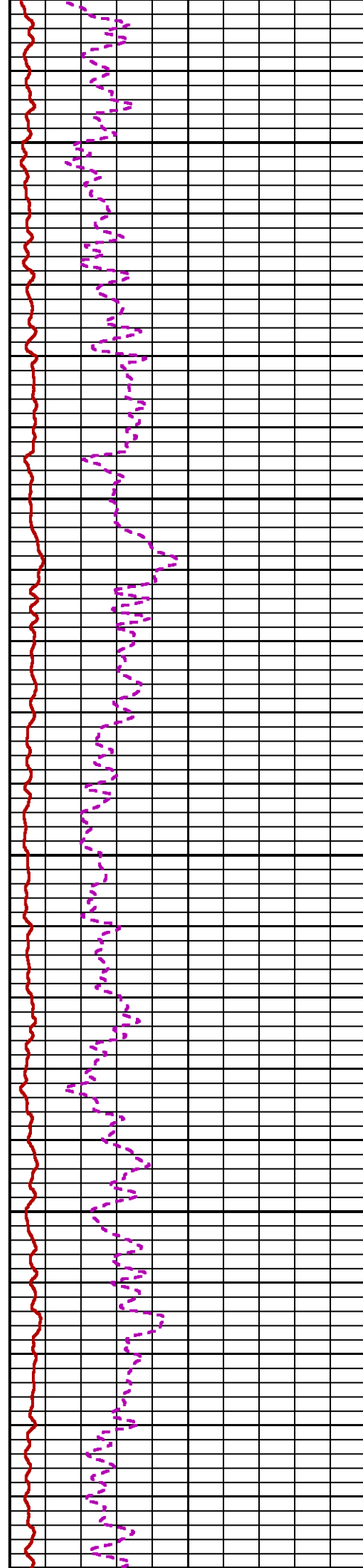
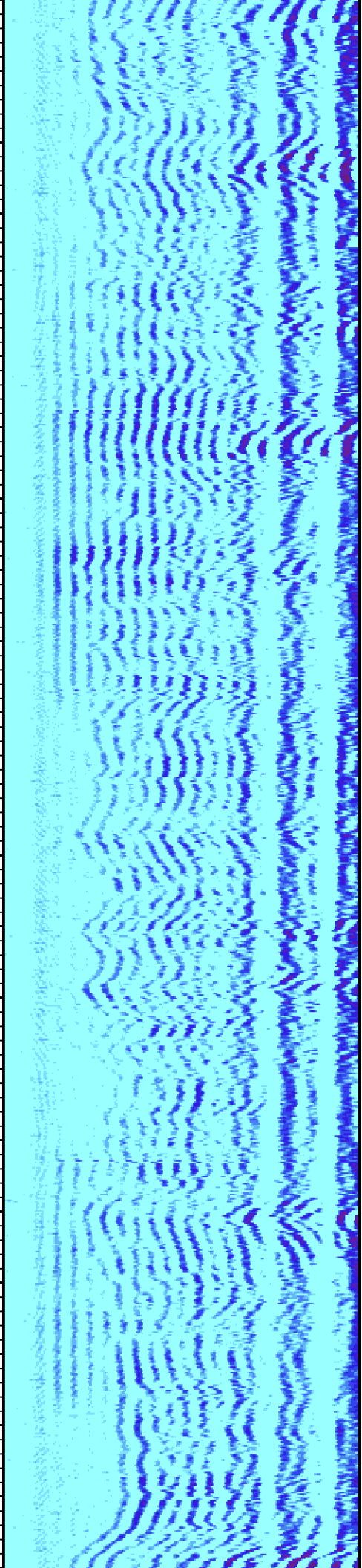
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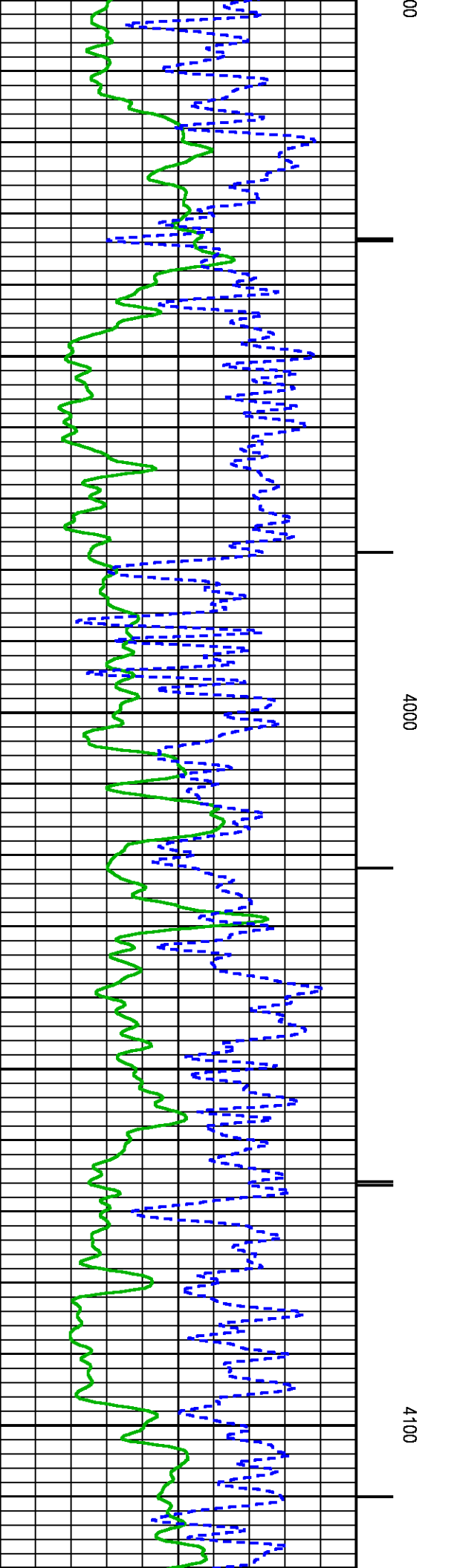
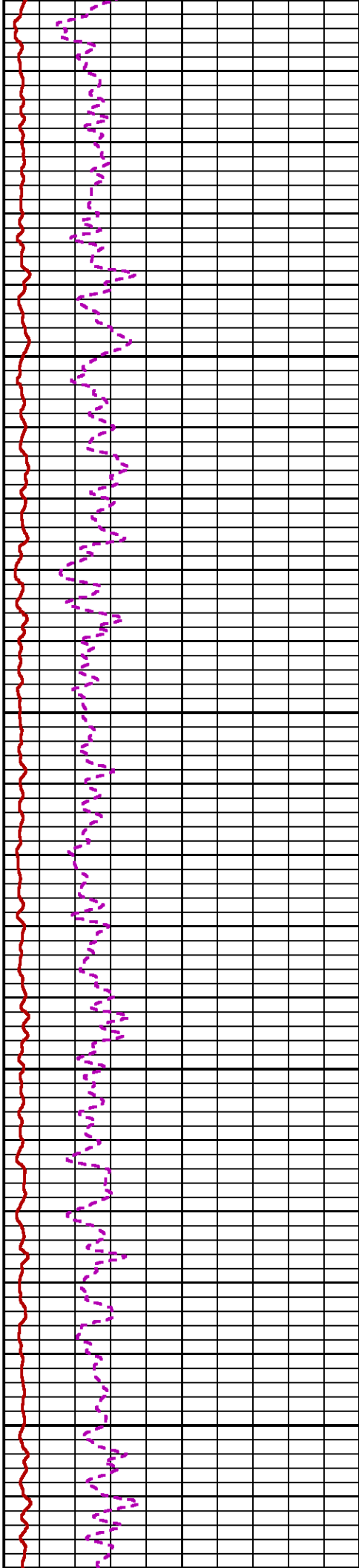
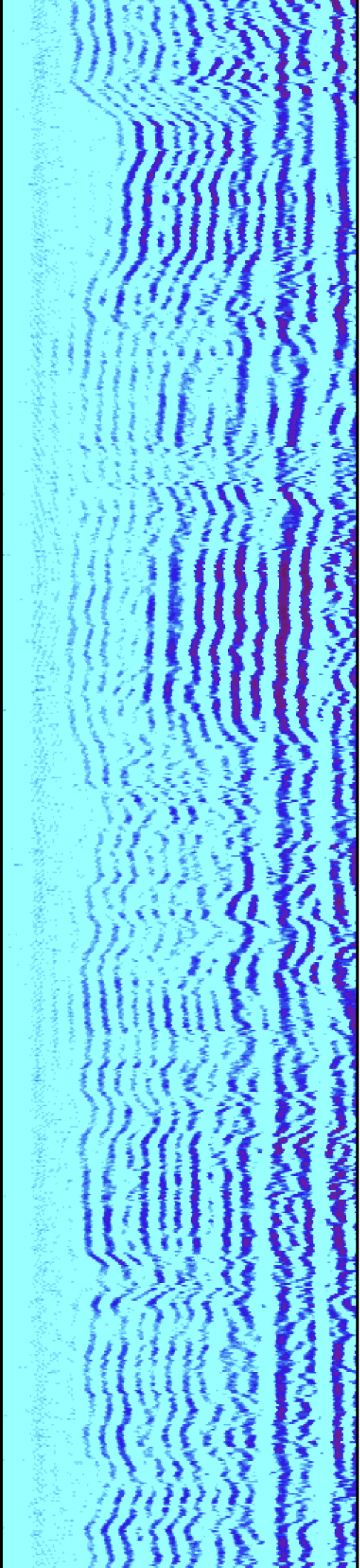


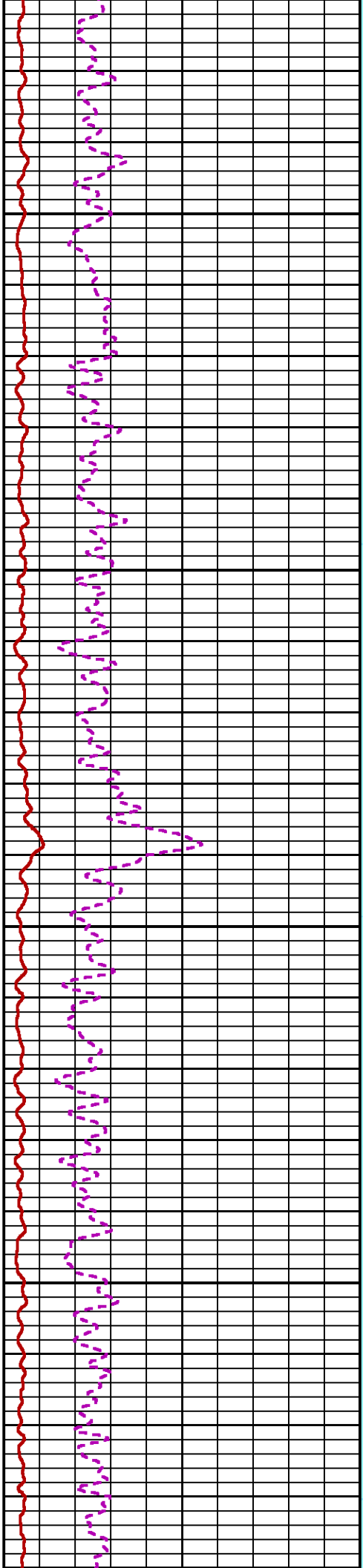
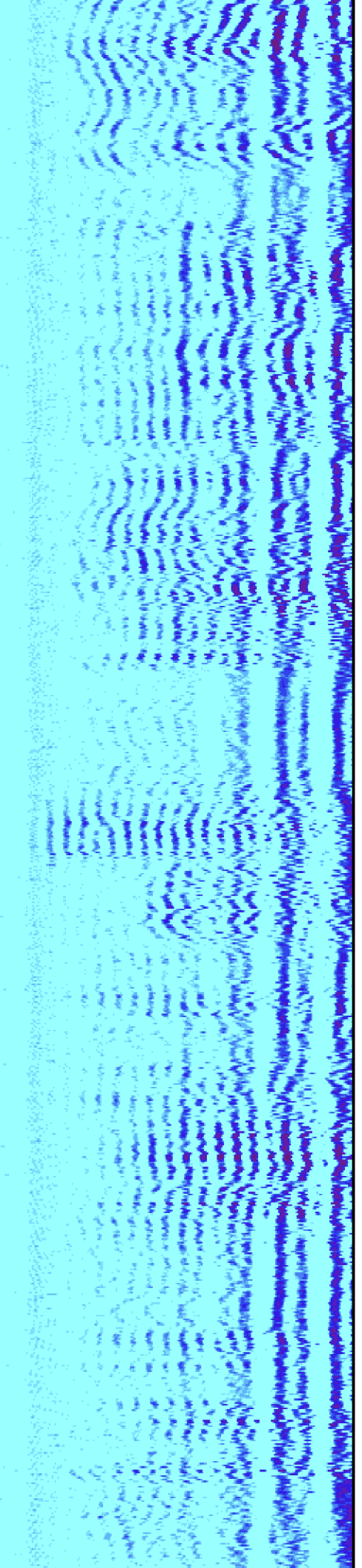
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SHORT JOINT

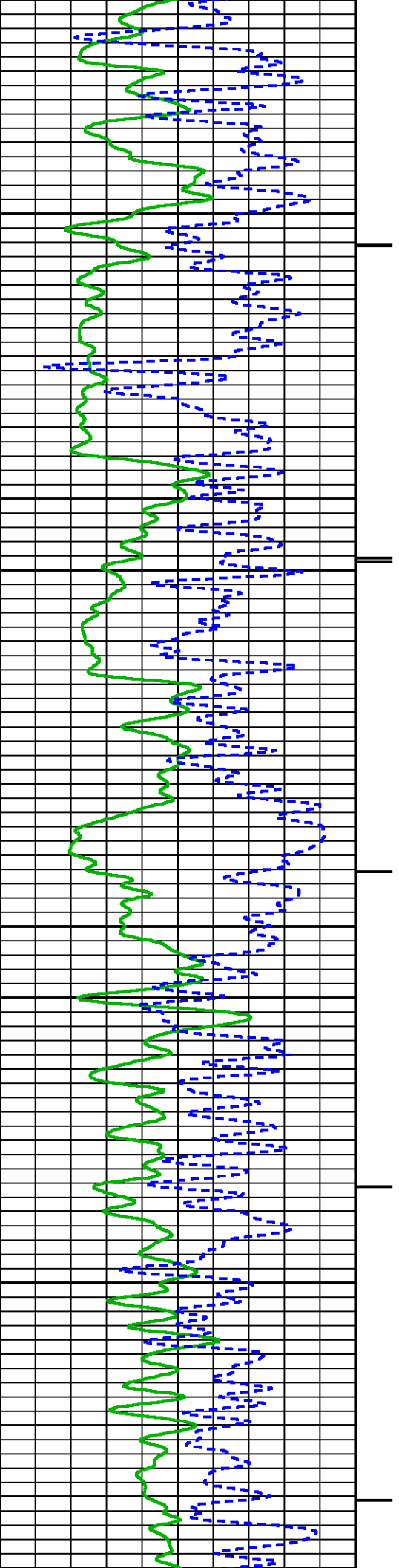
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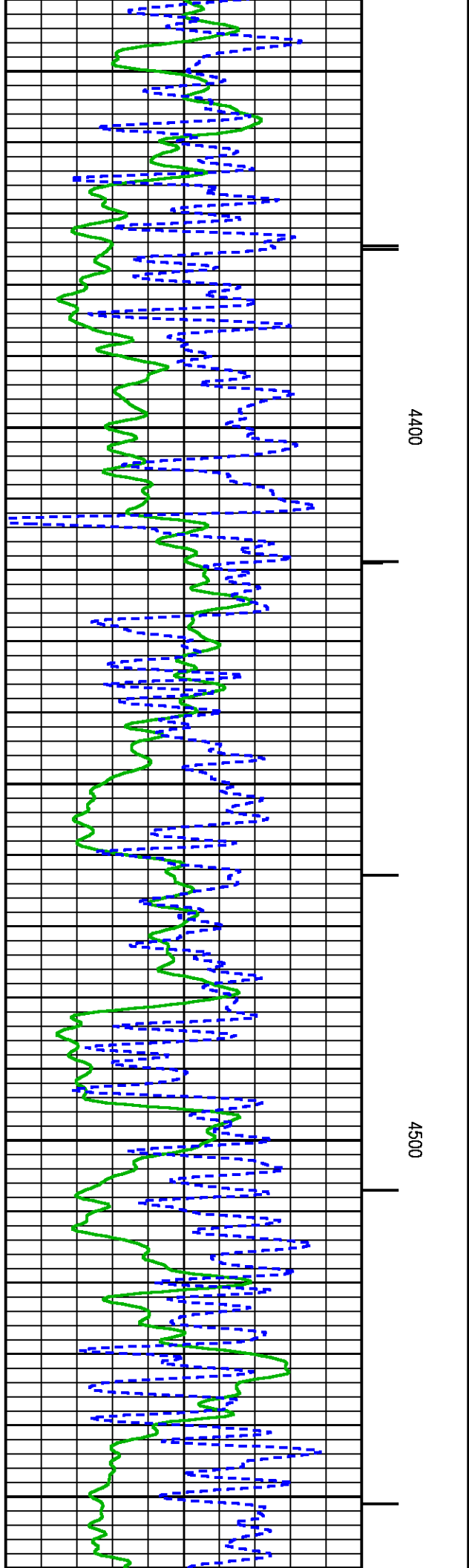
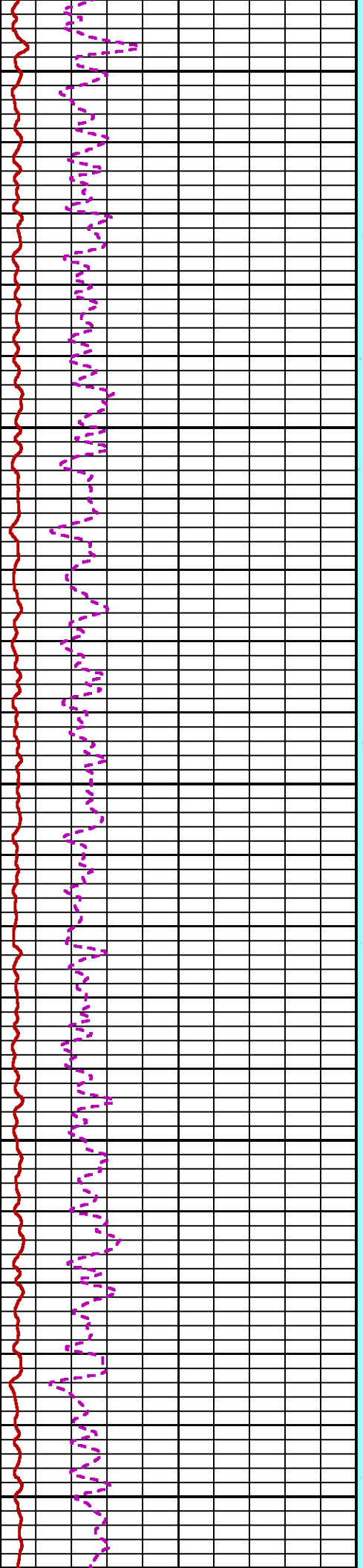
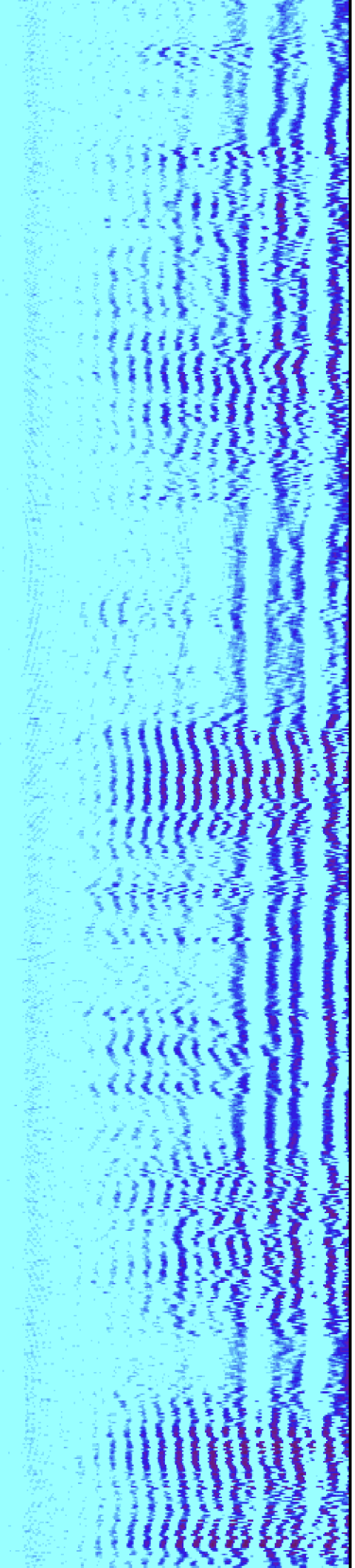


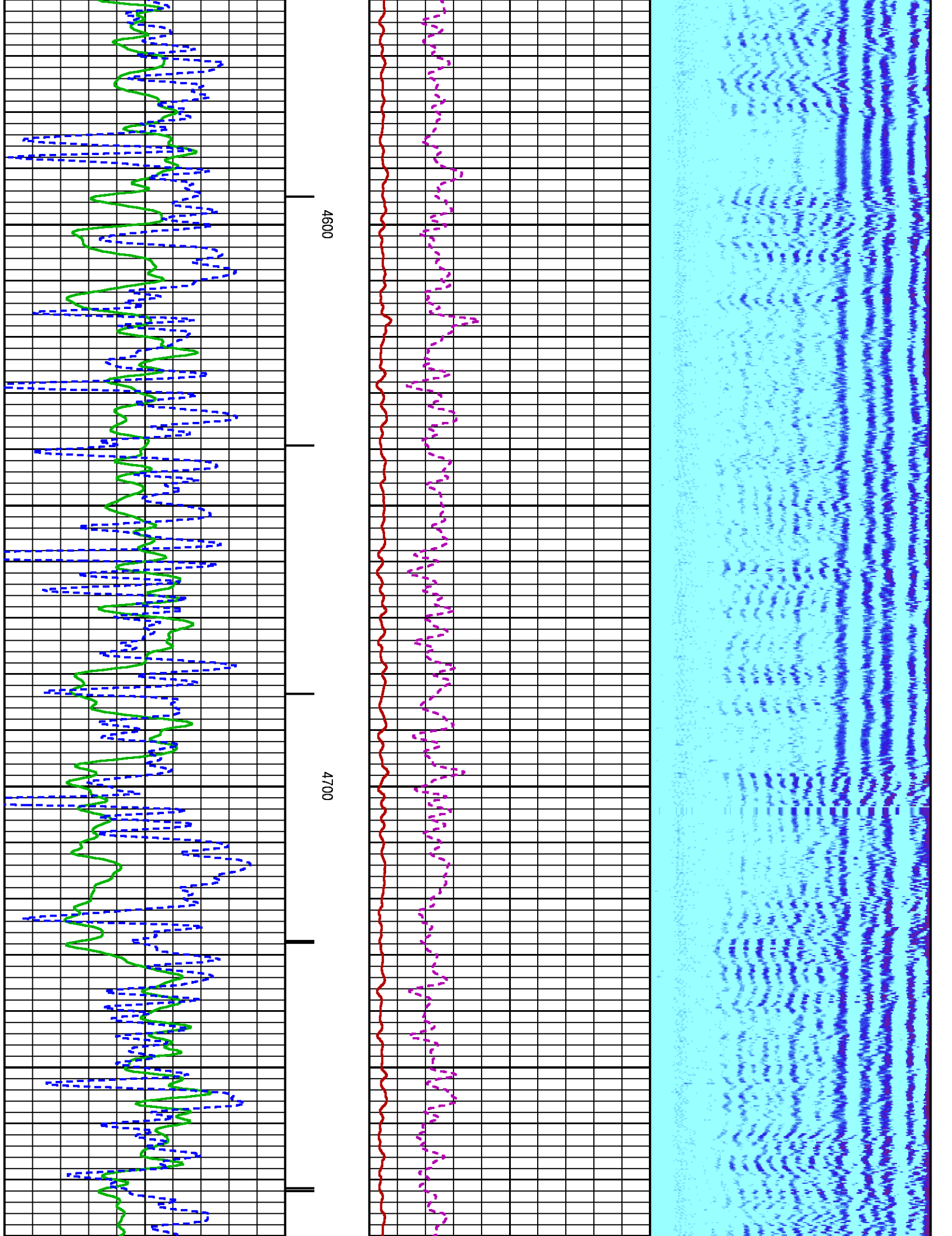


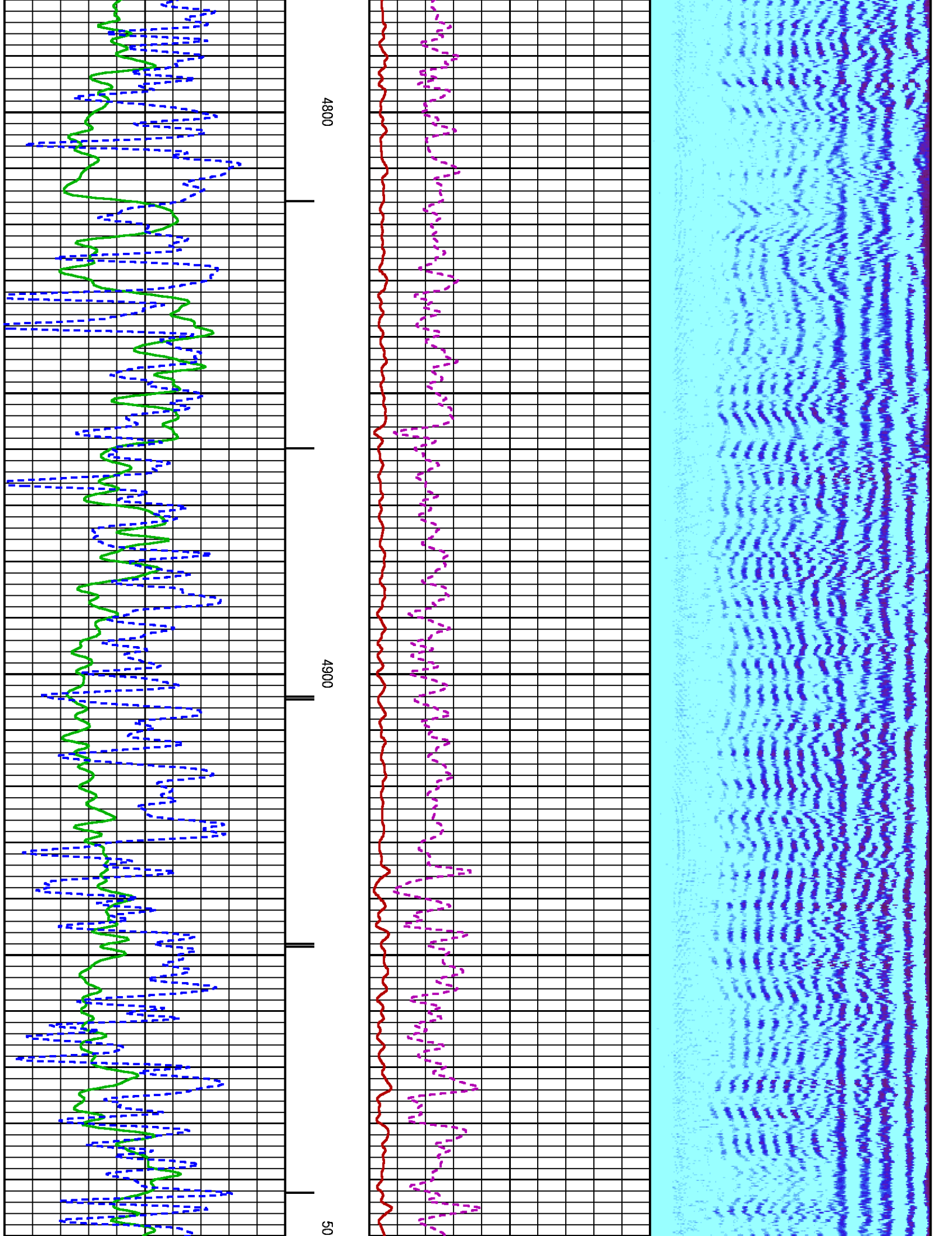
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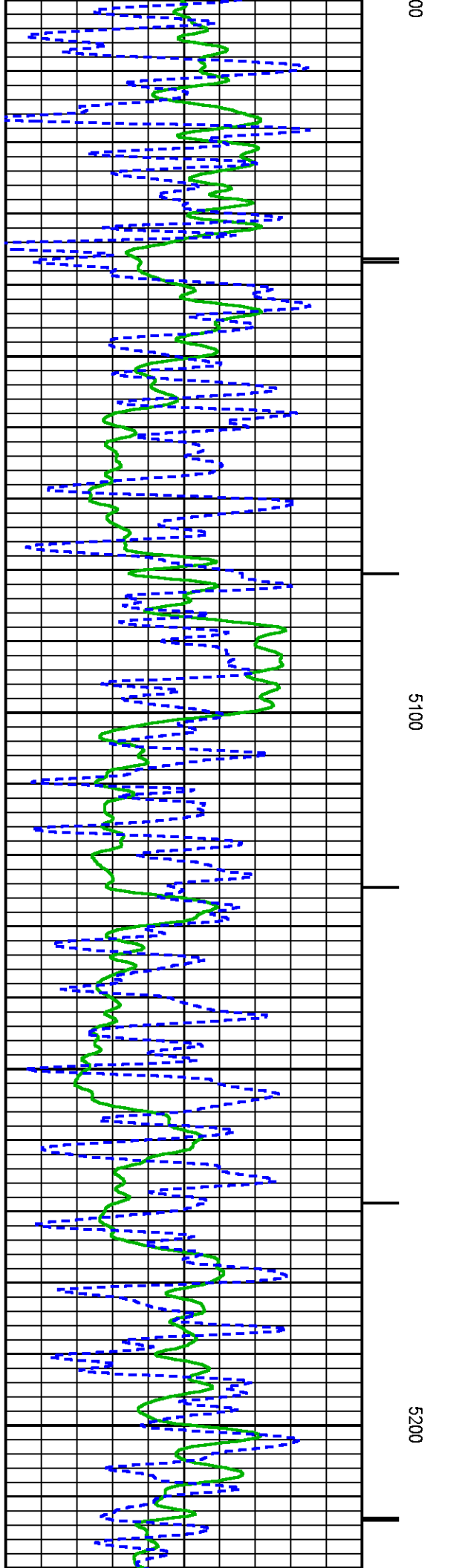
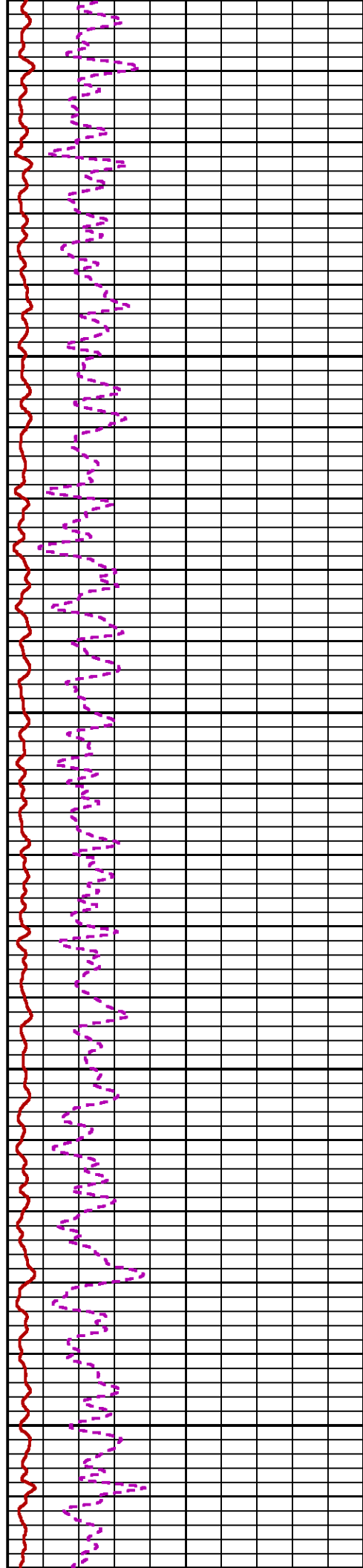
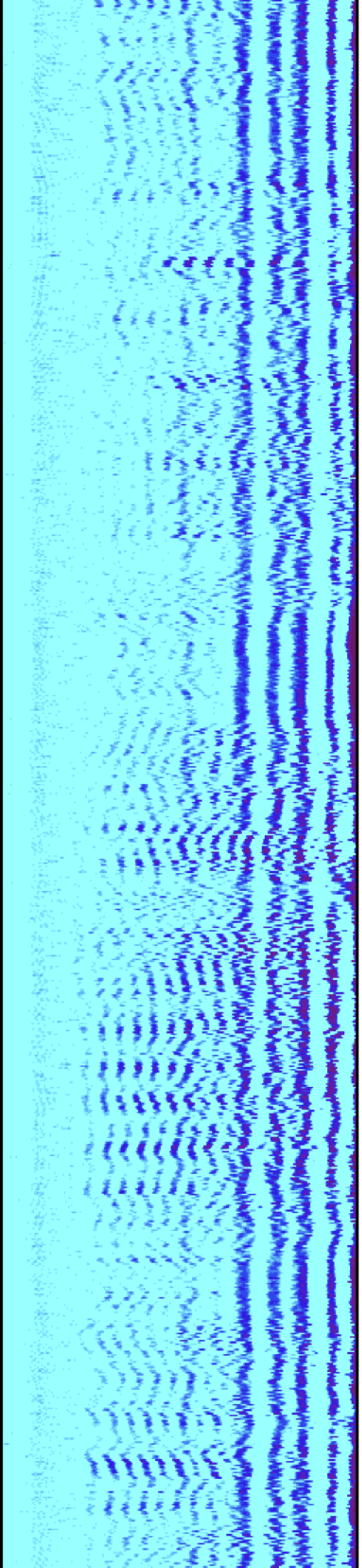
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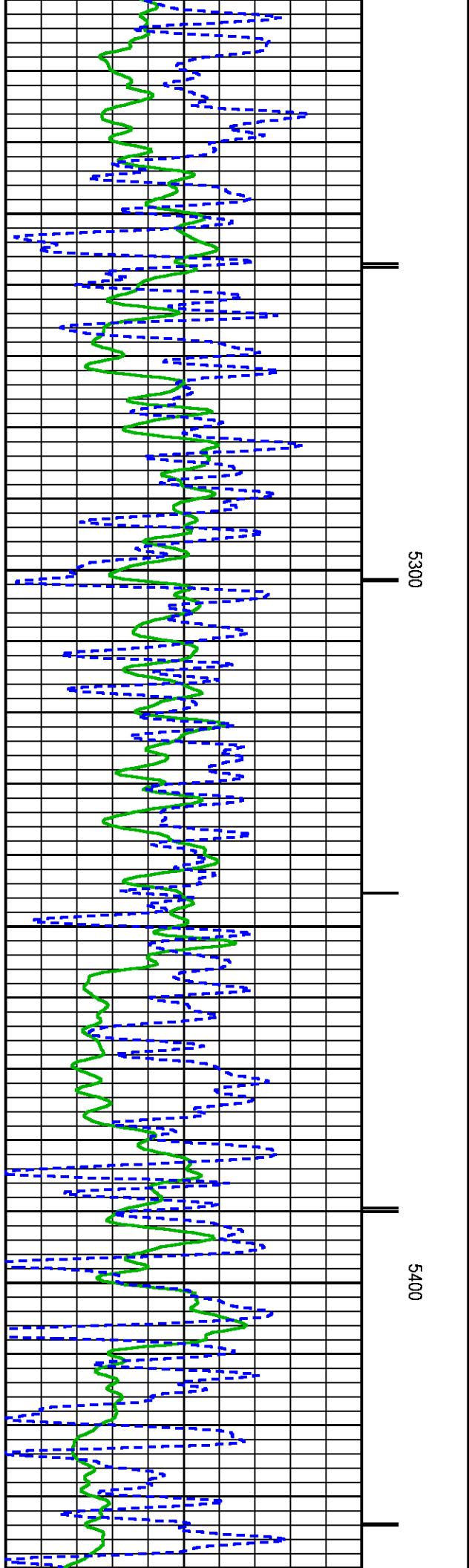
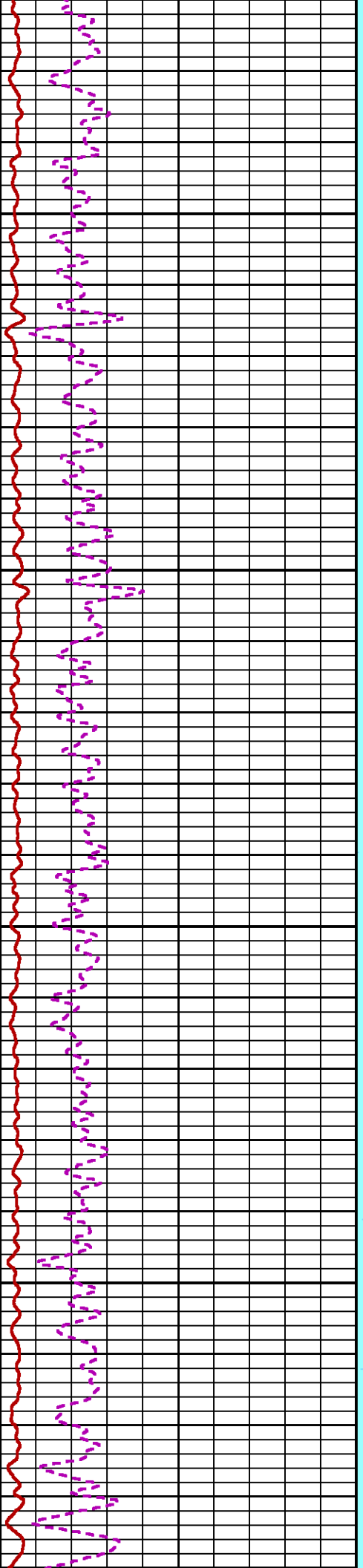
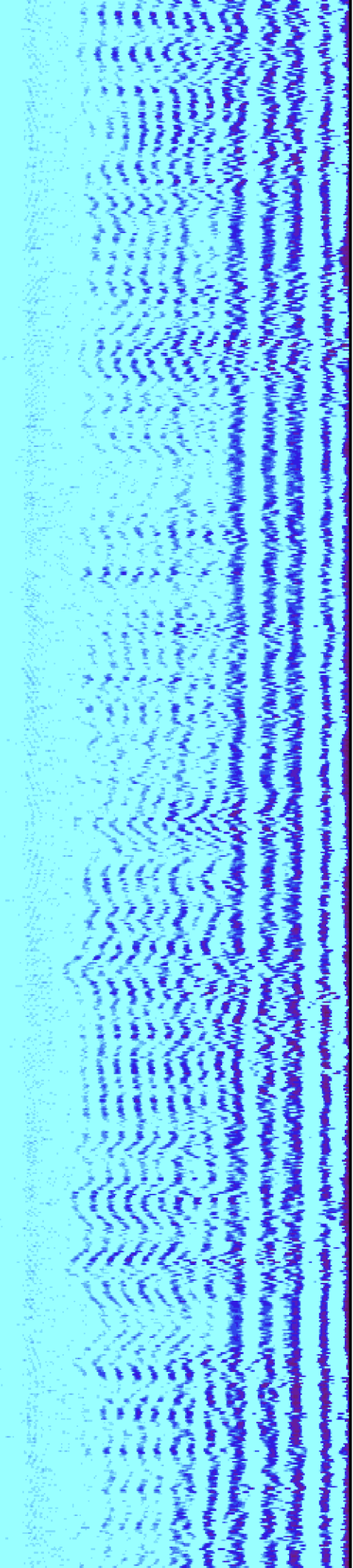


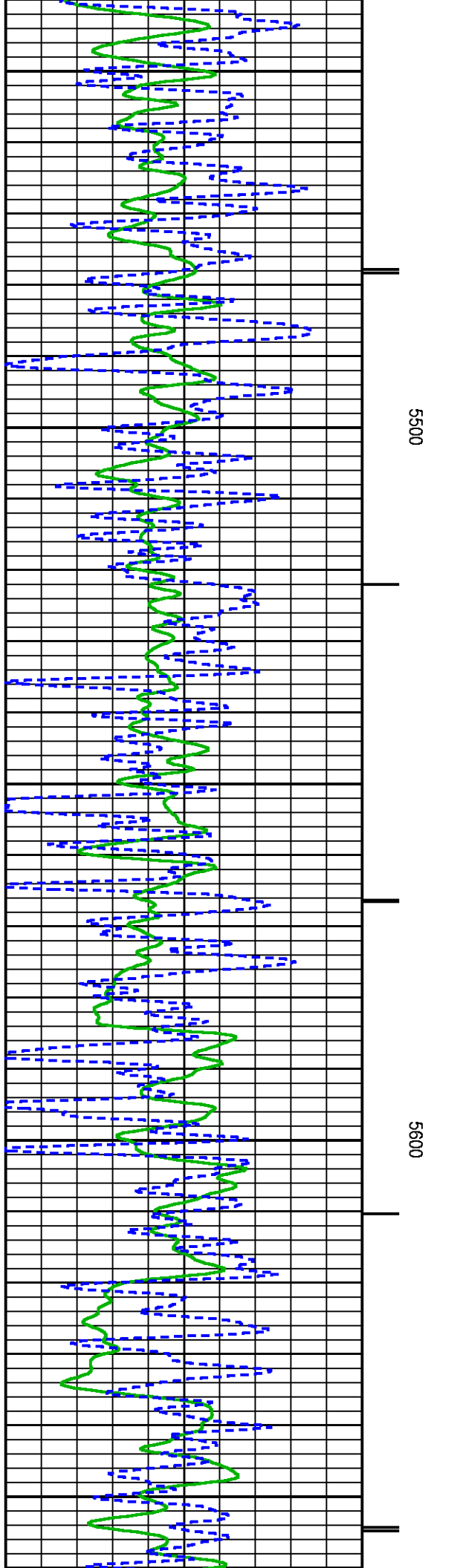
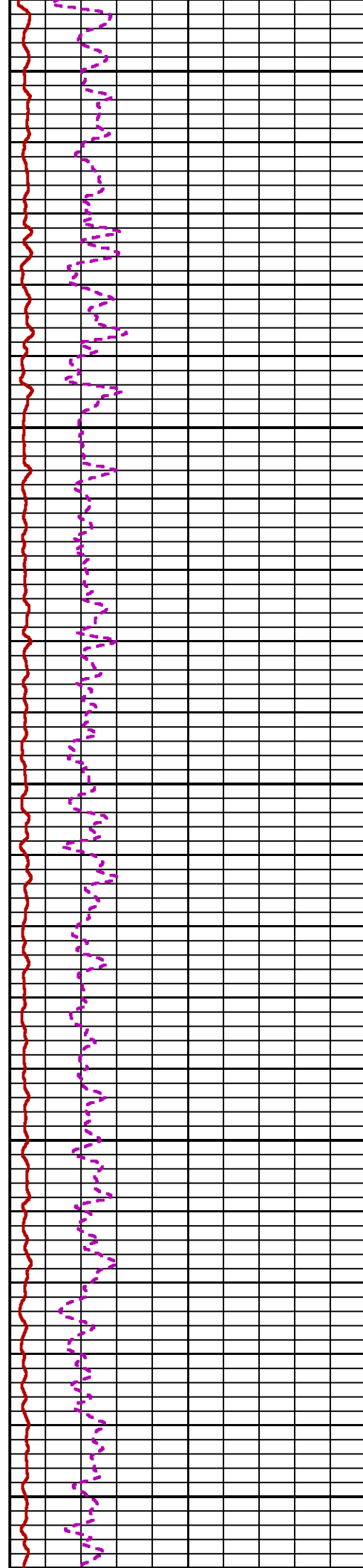
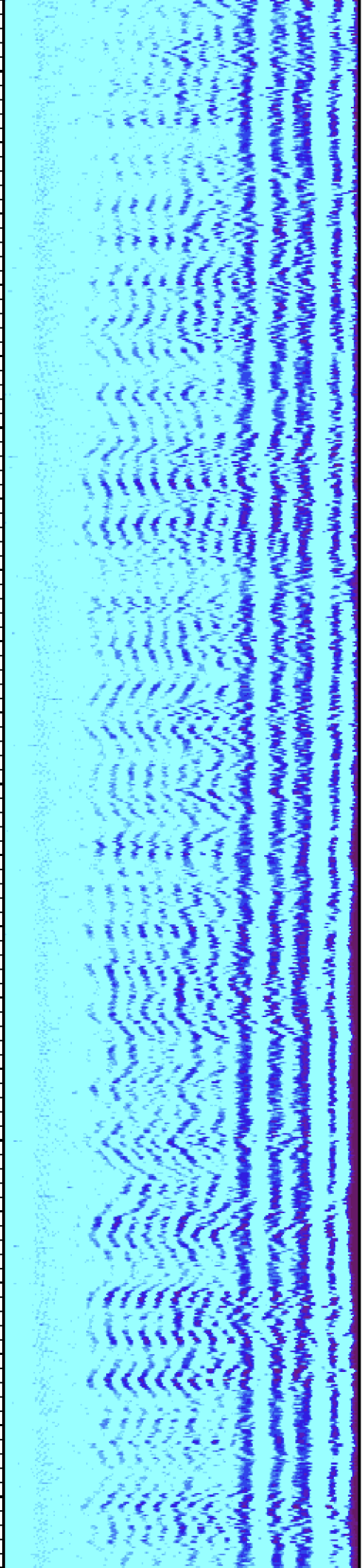


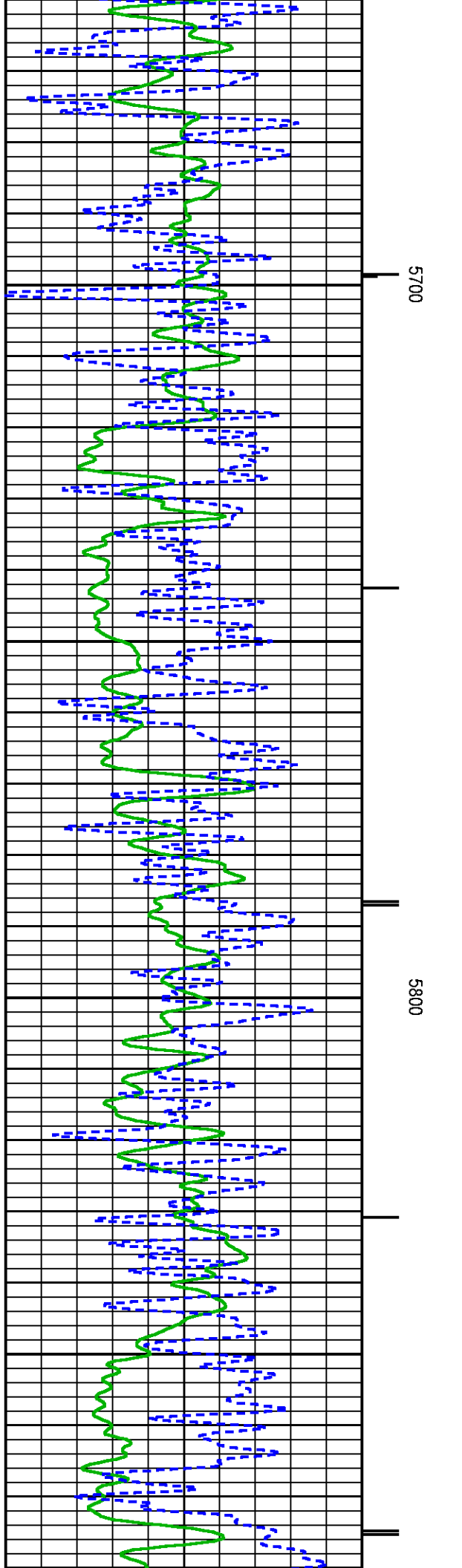
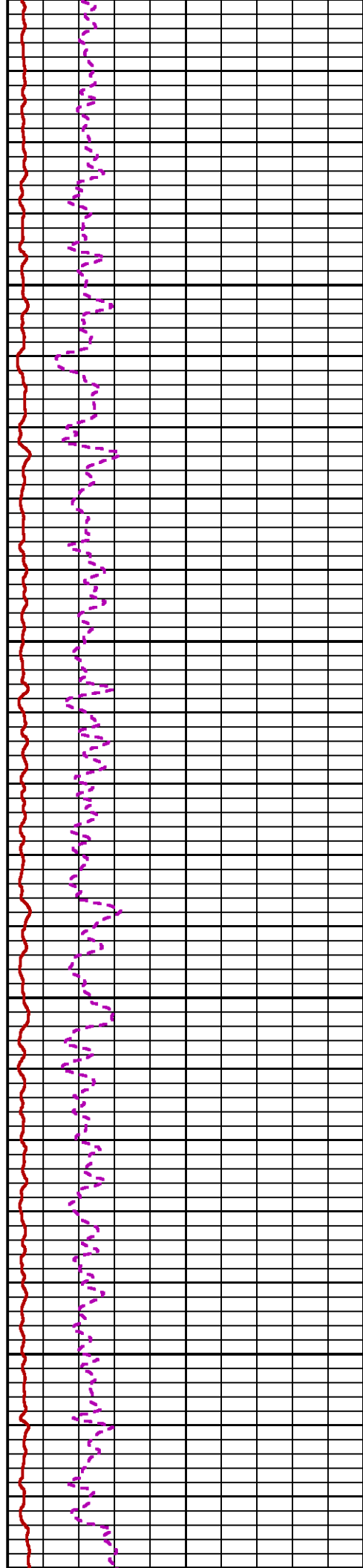
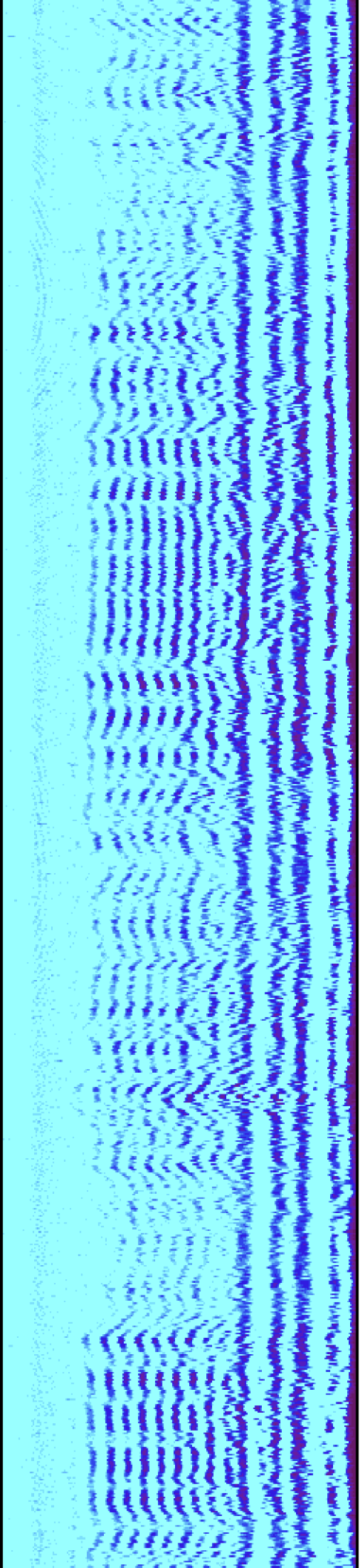


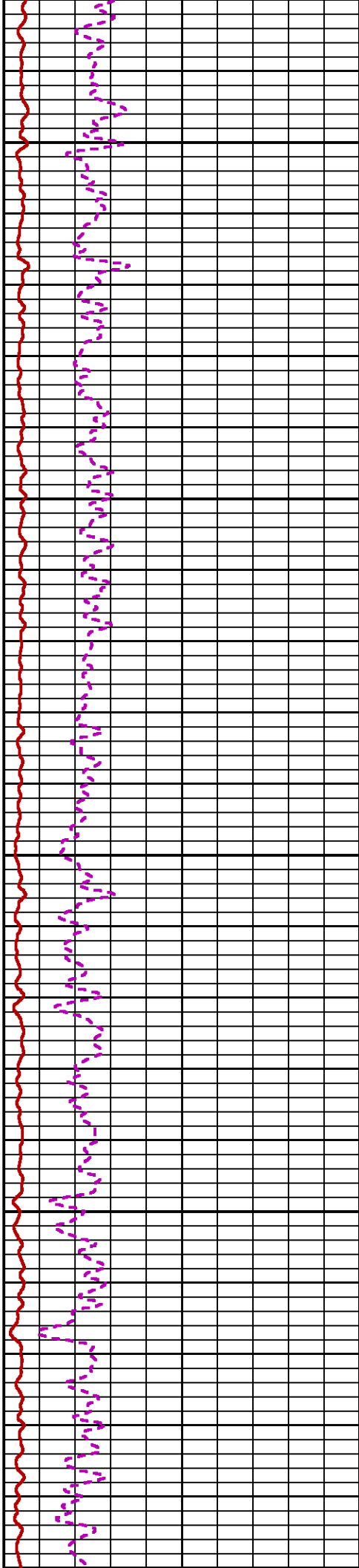
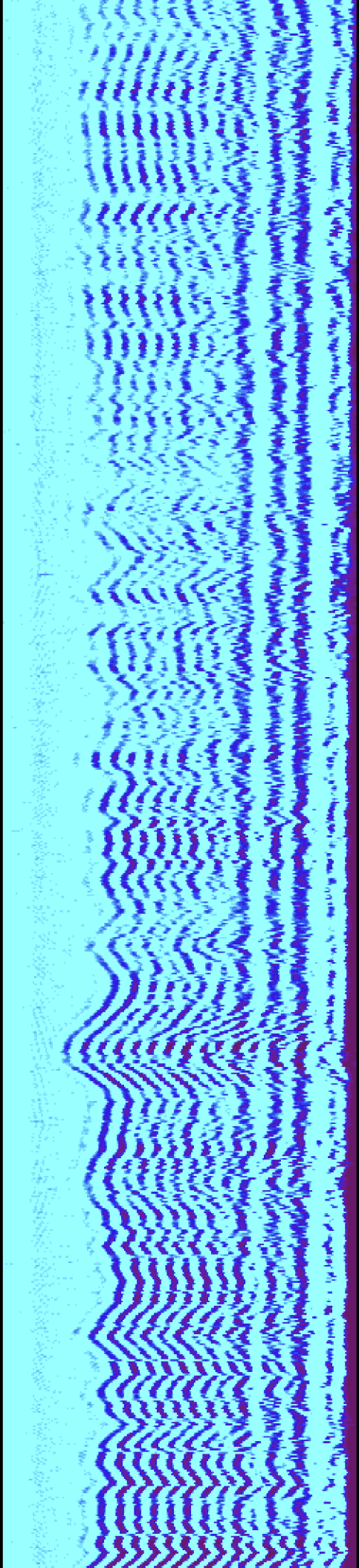








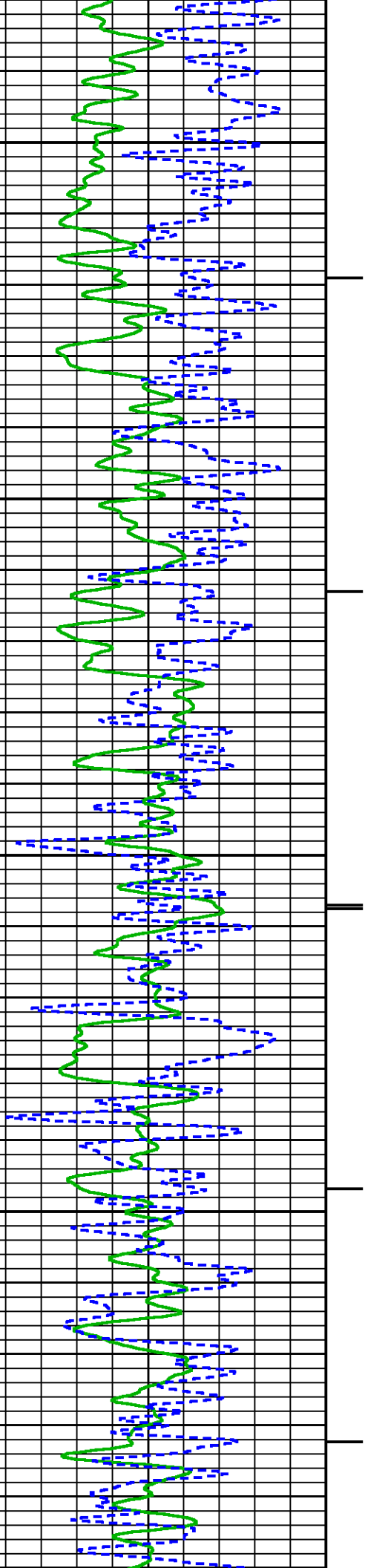


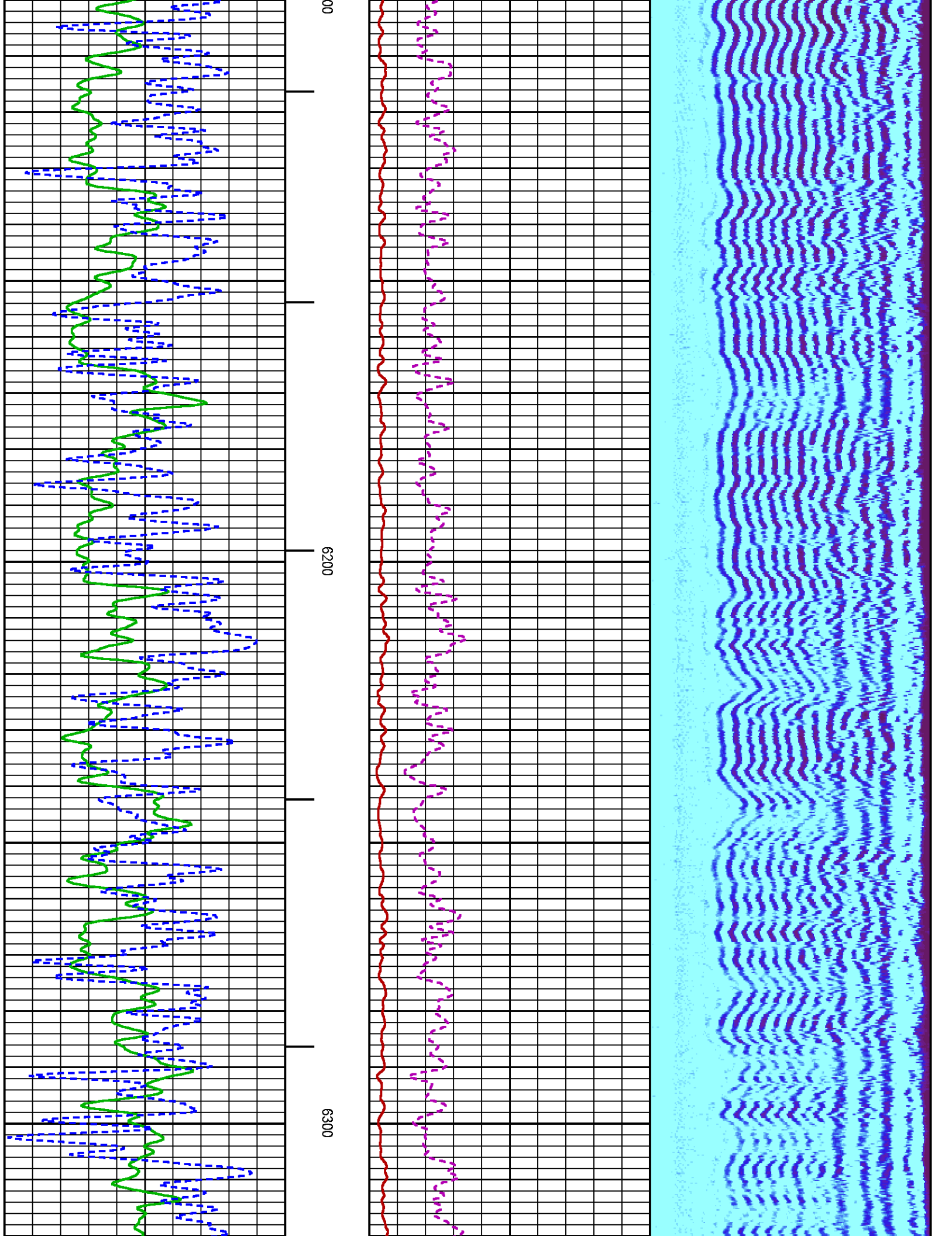


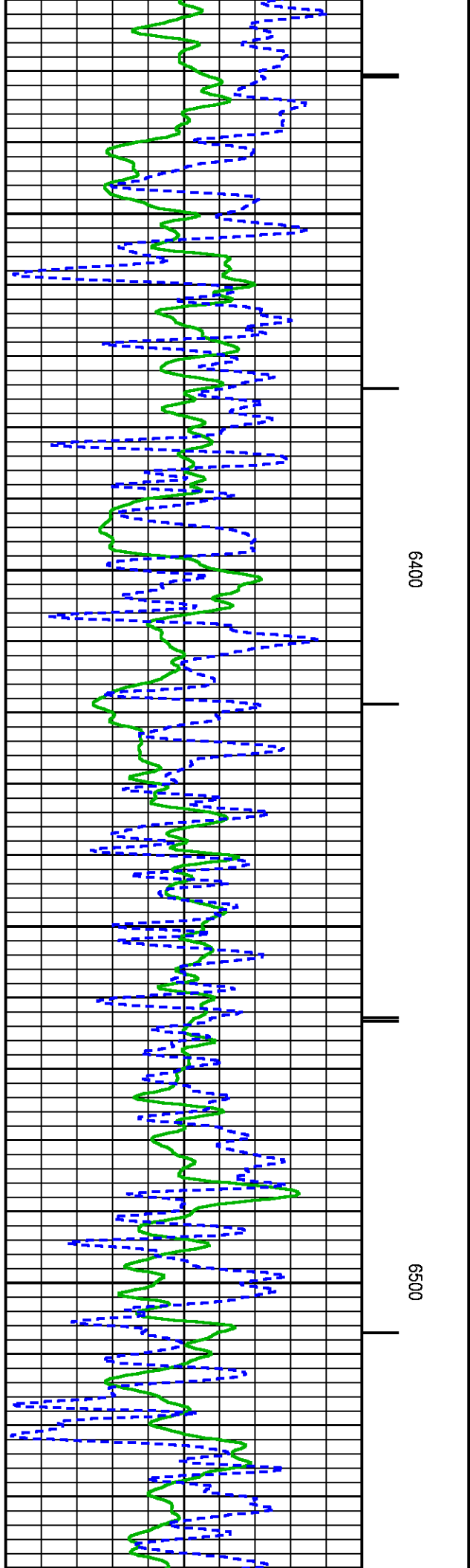
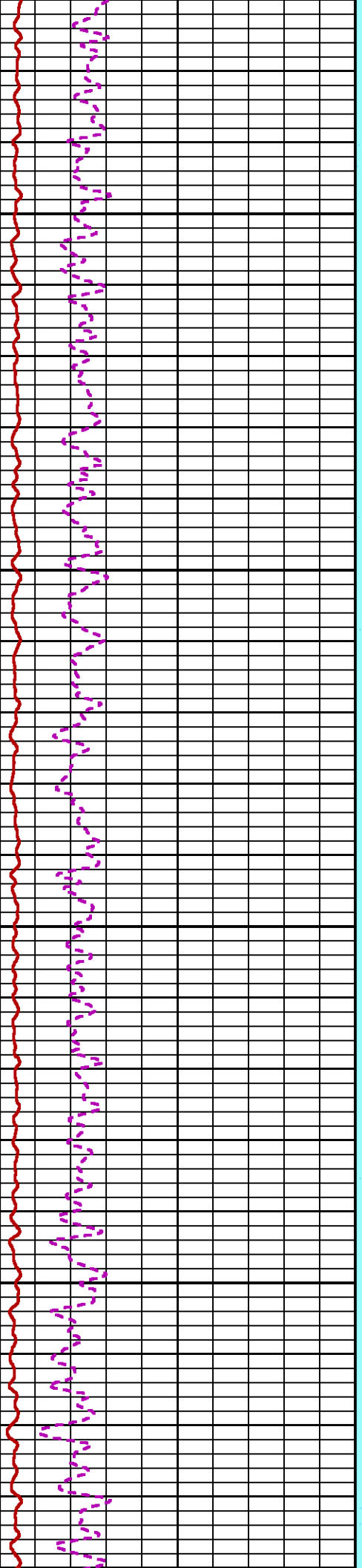
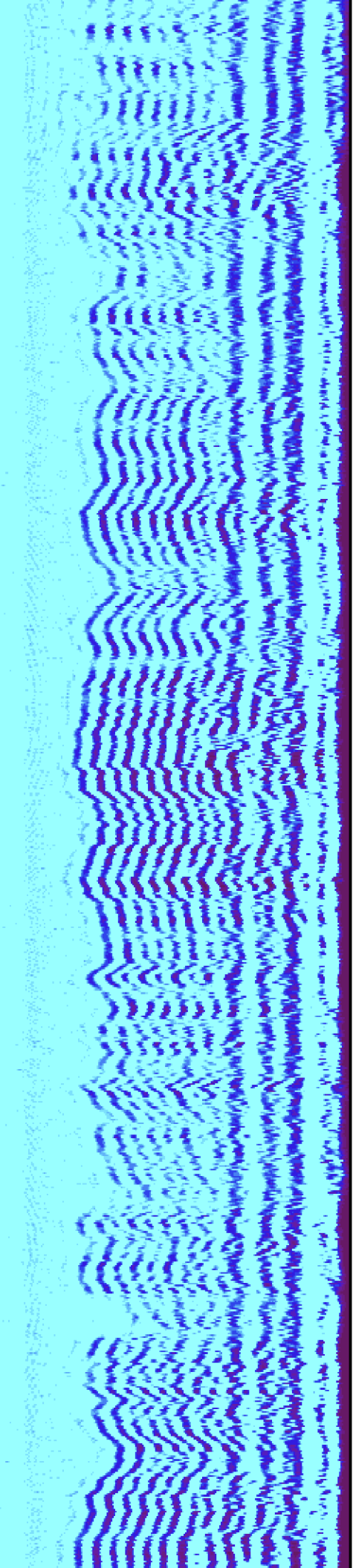
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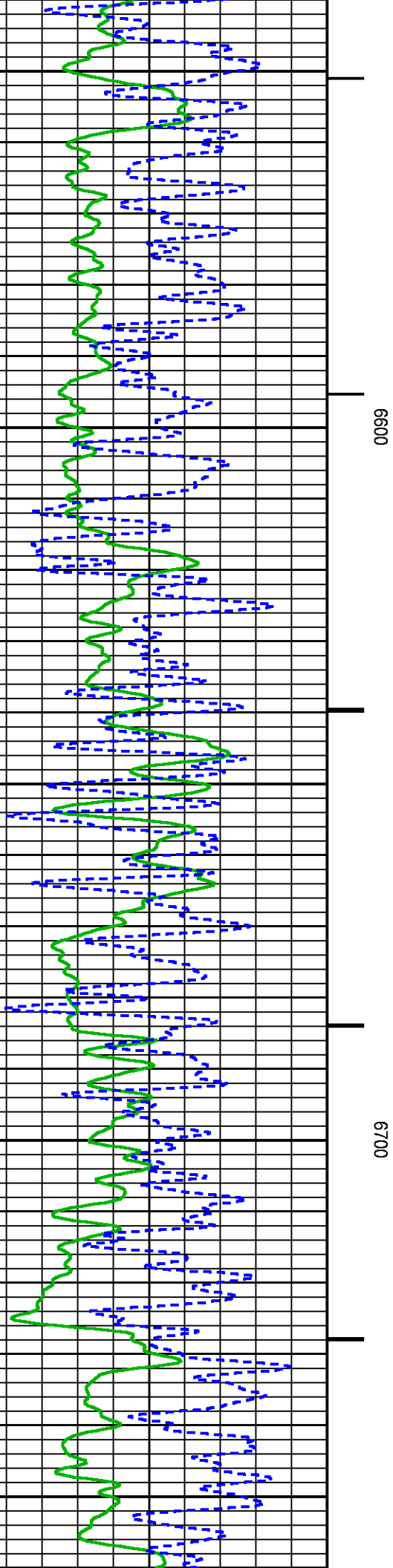
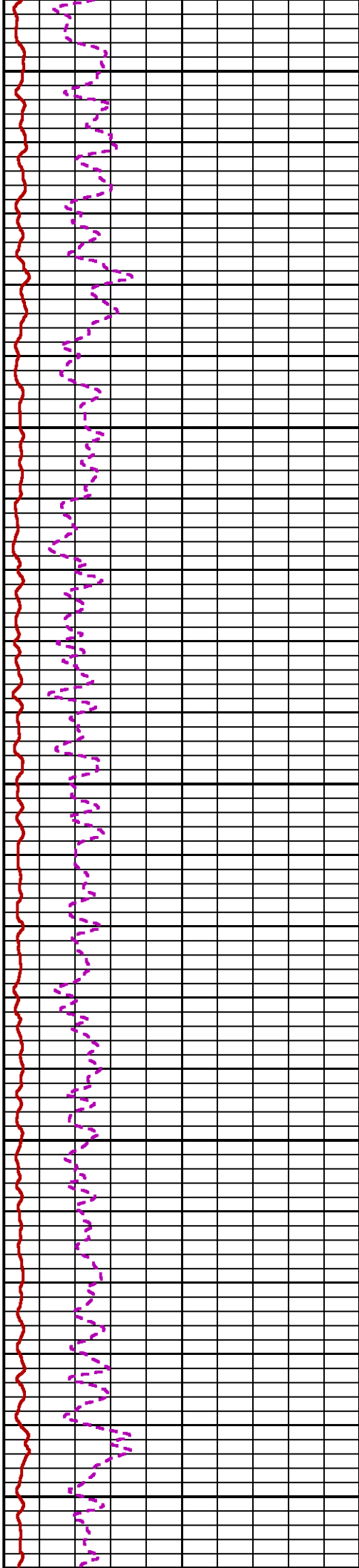
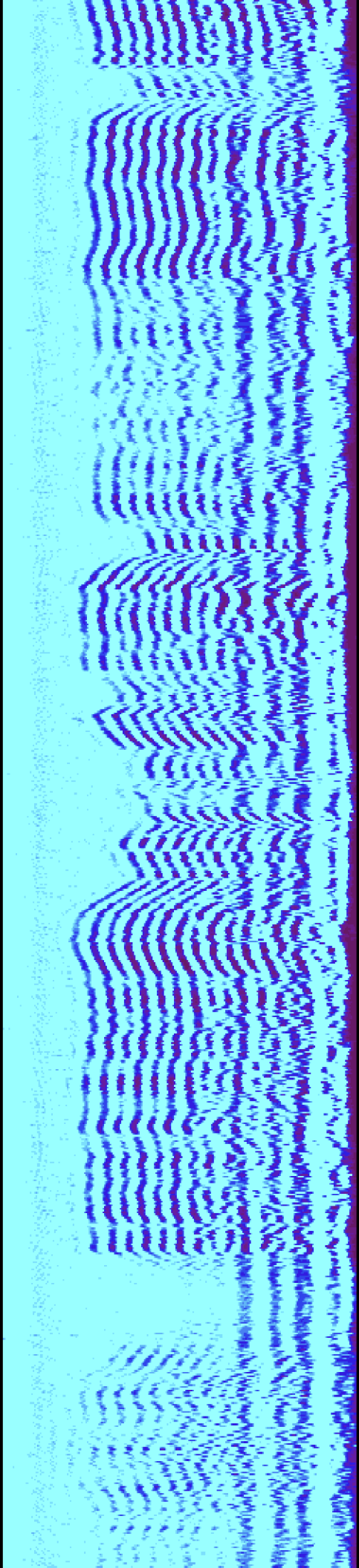
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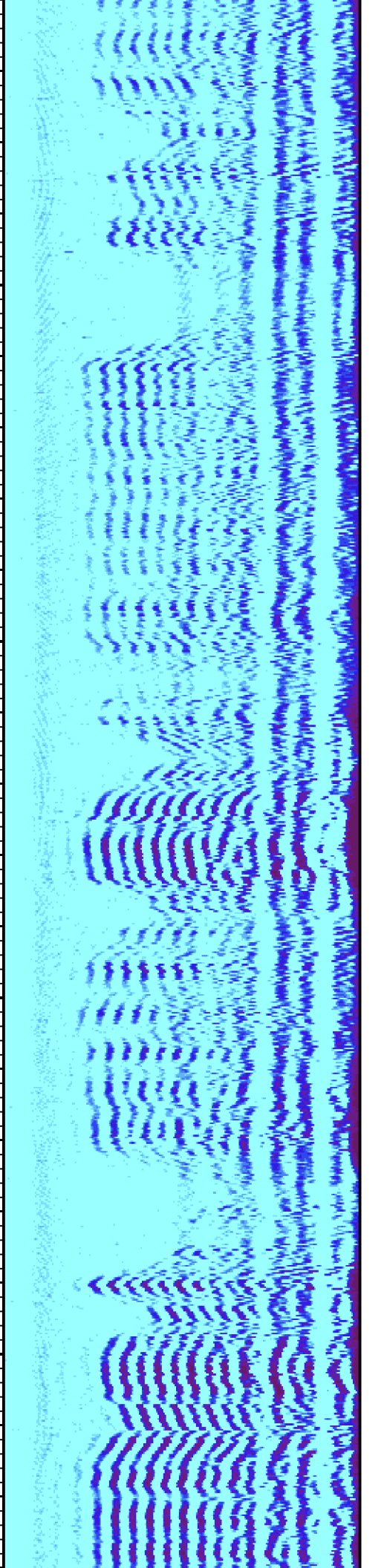
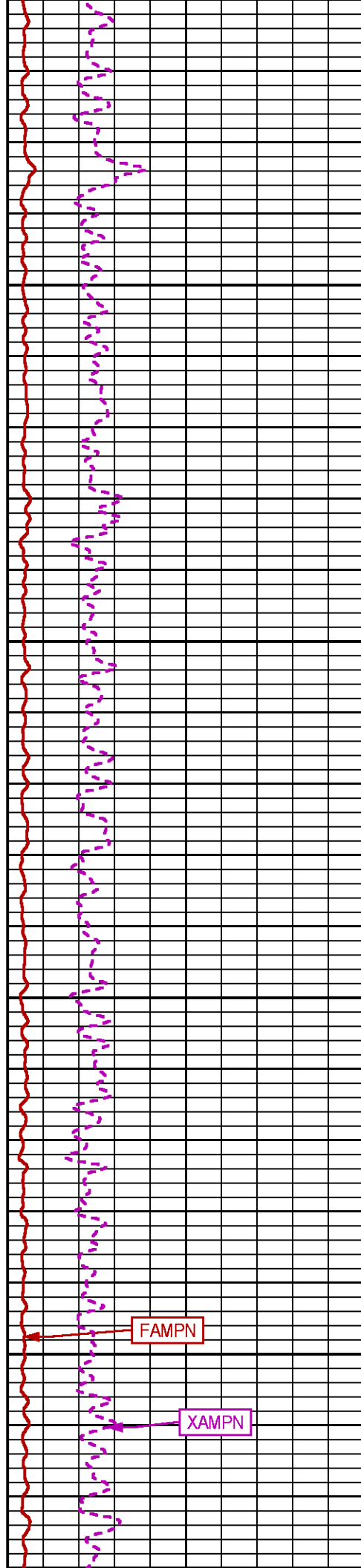
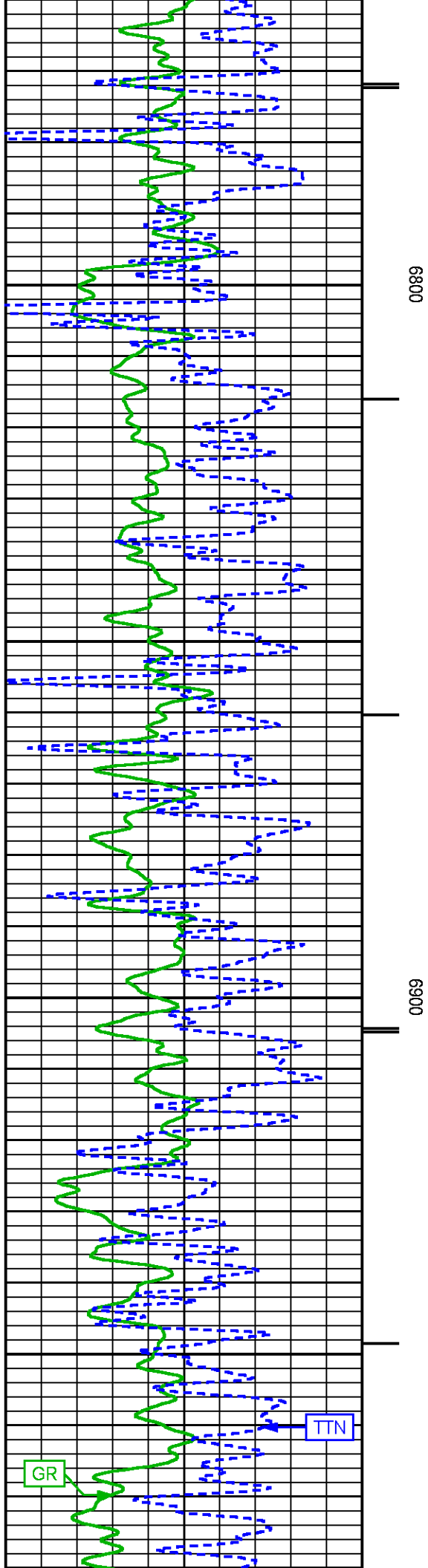
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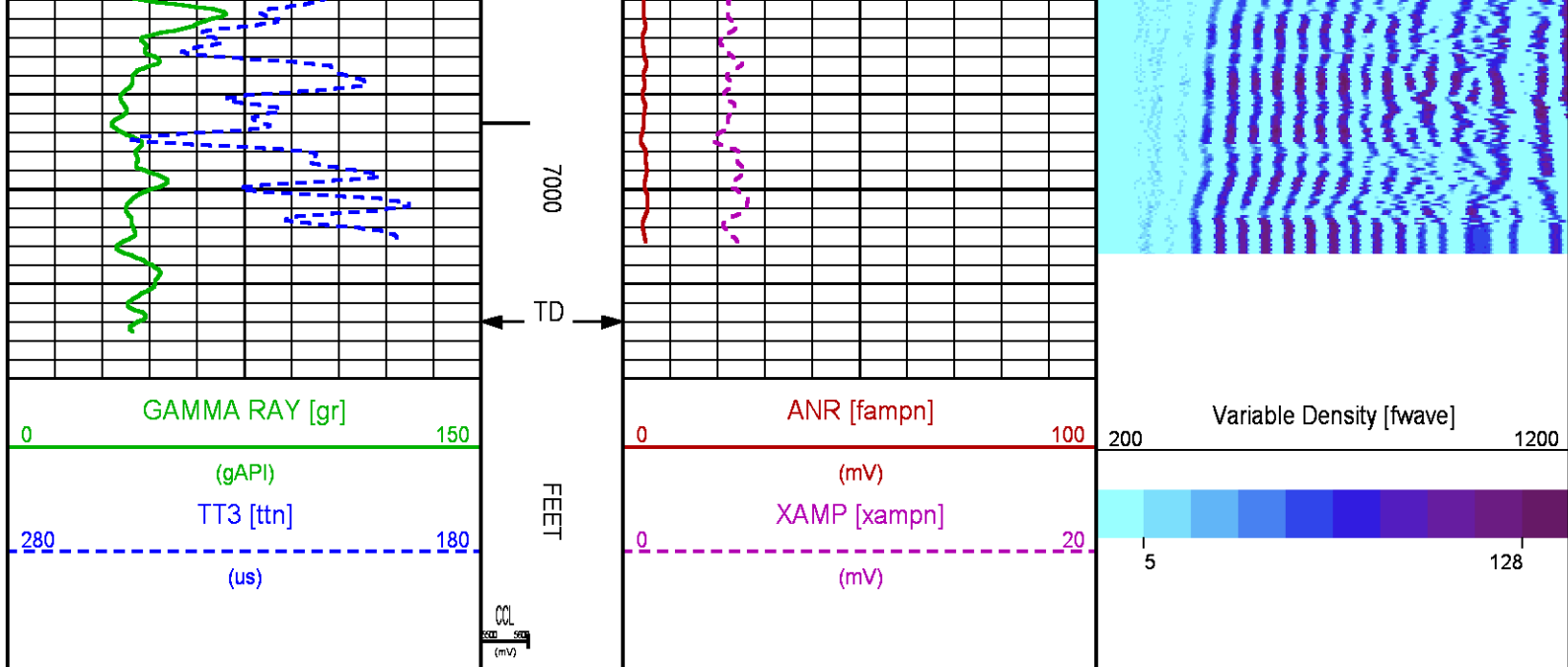












REPEAT LOG 0 PSI

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: Sat Dec 27 15:03:14 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093342\012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 6670.000 ft BOTTOM DEPTH: 7012.750 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*)	187	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	170	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*)	-68	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

CURVE DESCRIPTION REPORT

CURVE NAME **CREATION DATE**

CURVE DESCRIPTION

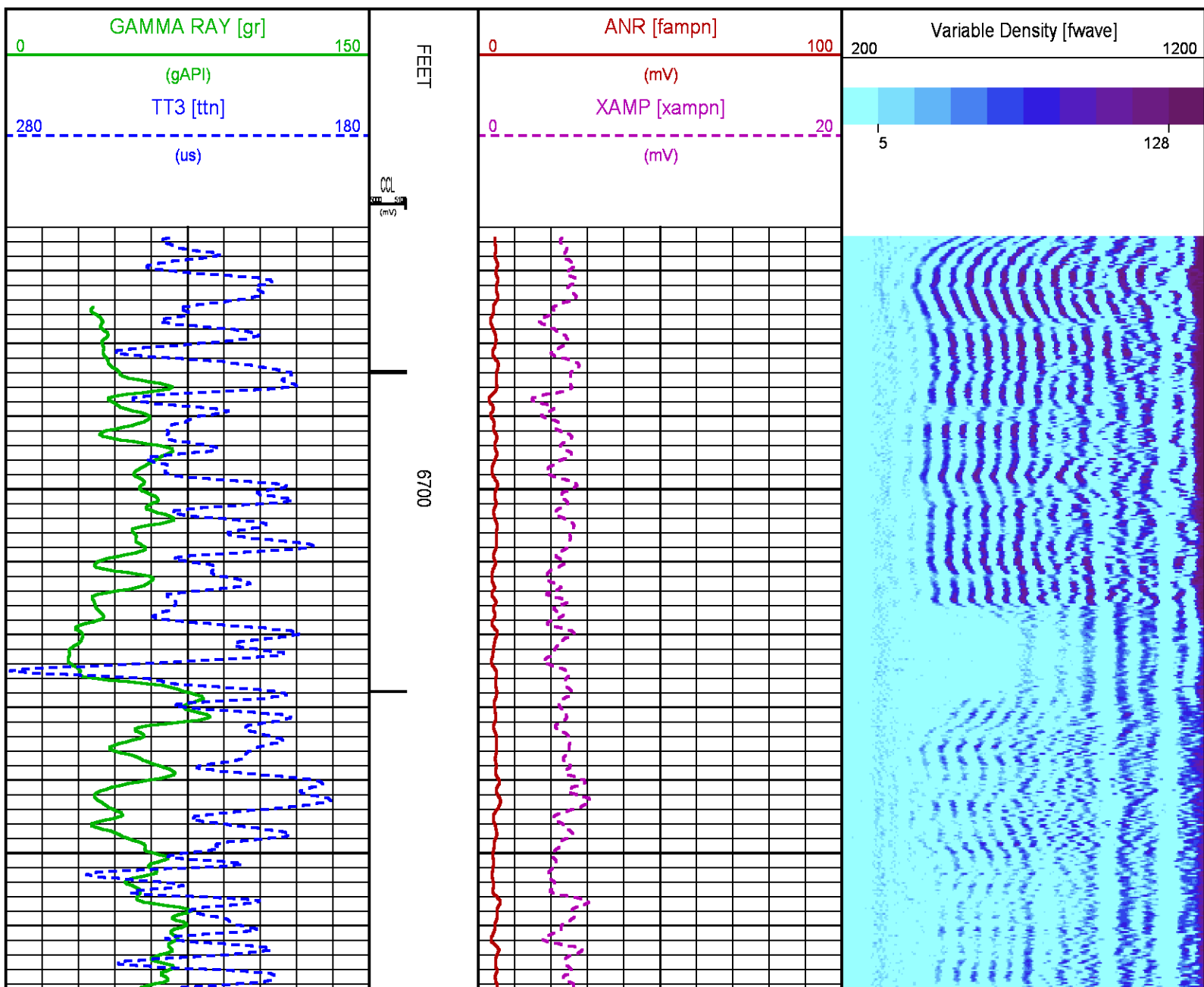
F1:CCL	Dec 27 09:30:15 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 27 09:30:15 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 27 09:30:15 2014	FAR WAVE FORM
F1:GR	Dec 27 09:30:15 2014	GAMMA RAY
F1:TTN	Dec 27 09:30:15 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 27 09:30:15 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

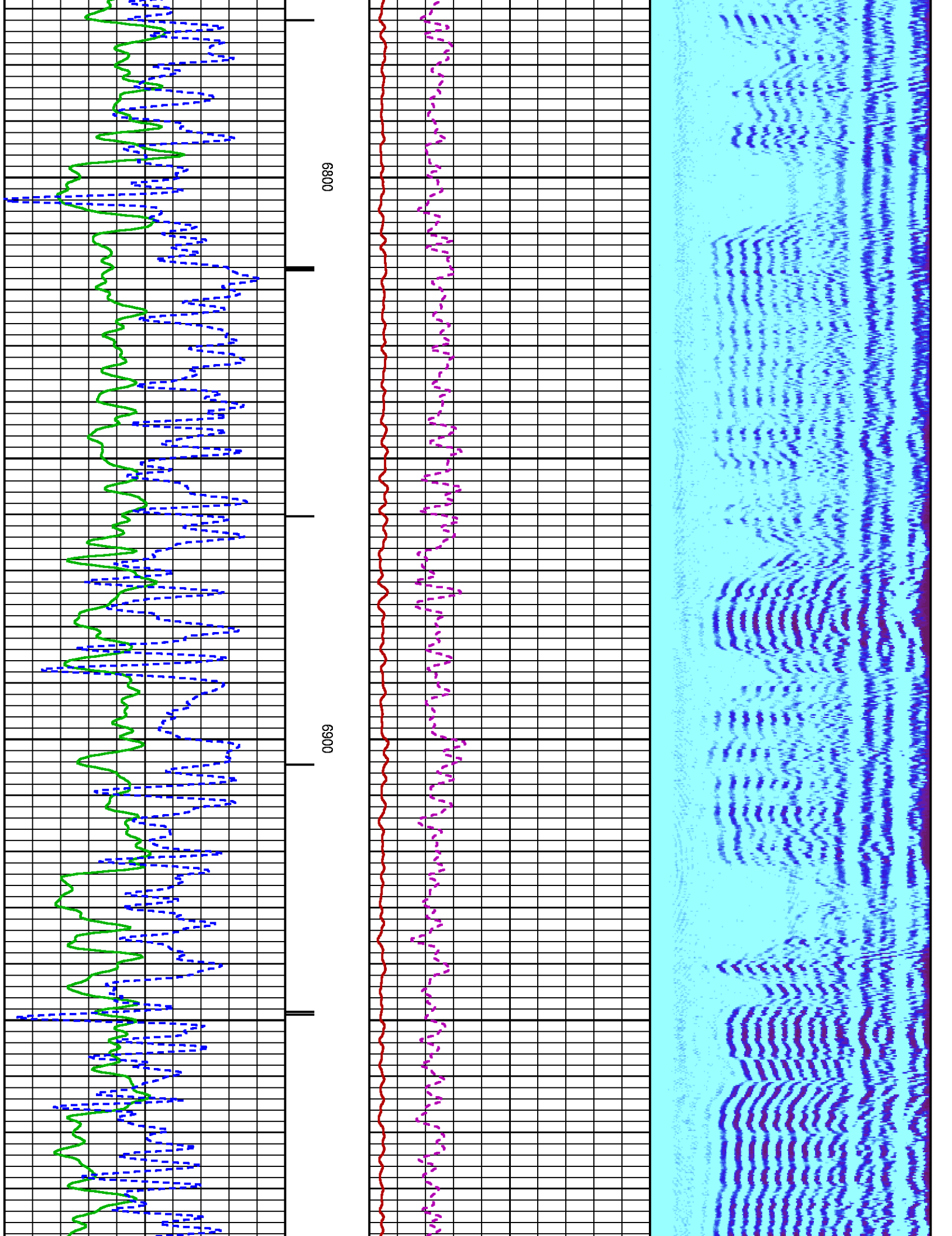
CURVE MEASURE POINT OFFSET

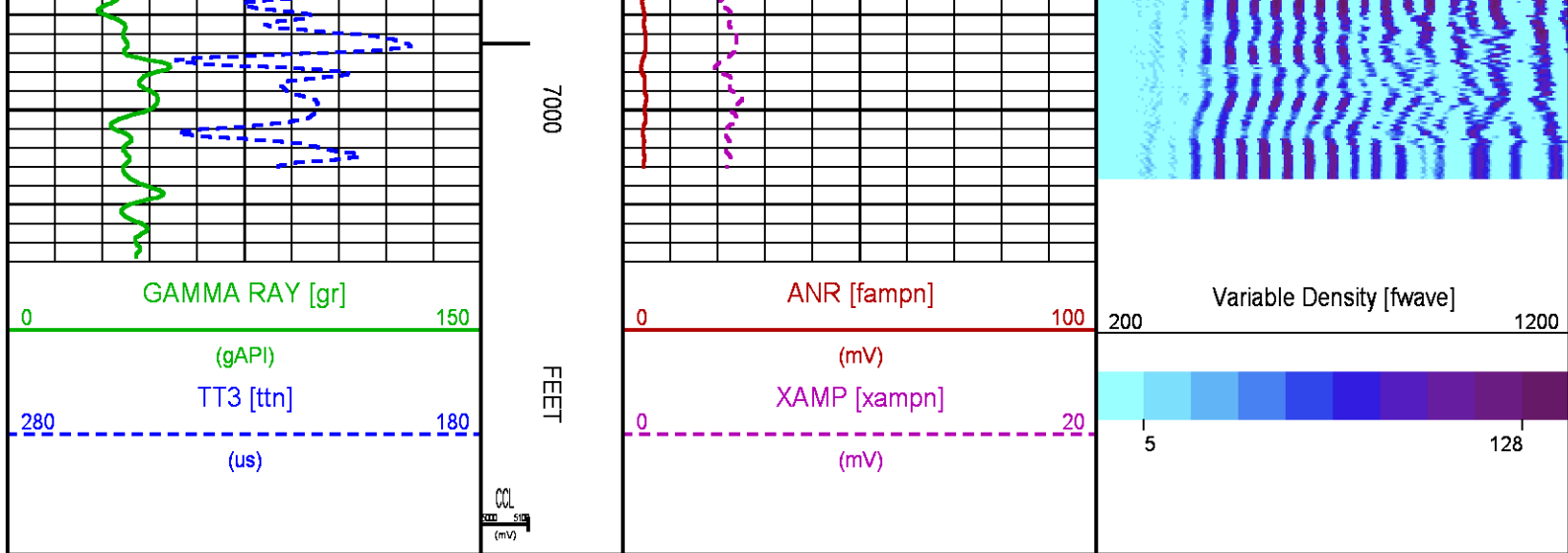
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

Presentation : BHUGHES-06627:C:\dat1a\093342\342CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 6665.25 - 7017 Feet

Data File 1 : F1 : BHUGHES-06627:C:\dat1a\093342\342_CBL_REPEAT.xtf
Created On : Dec 27 09:30:15 2014
Company : WPX ENERGY
Well : GM 342-12
Field : GRAND VALLEY
File Interval : 6664.25 - 7018.5 Feet
OCT : n012g







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: Sat Dec 27 15:05:45 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093342\012g02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 21.000 ft BOTTOM DEPTH: 7011.750 ft

SYMMETRIC FILTER

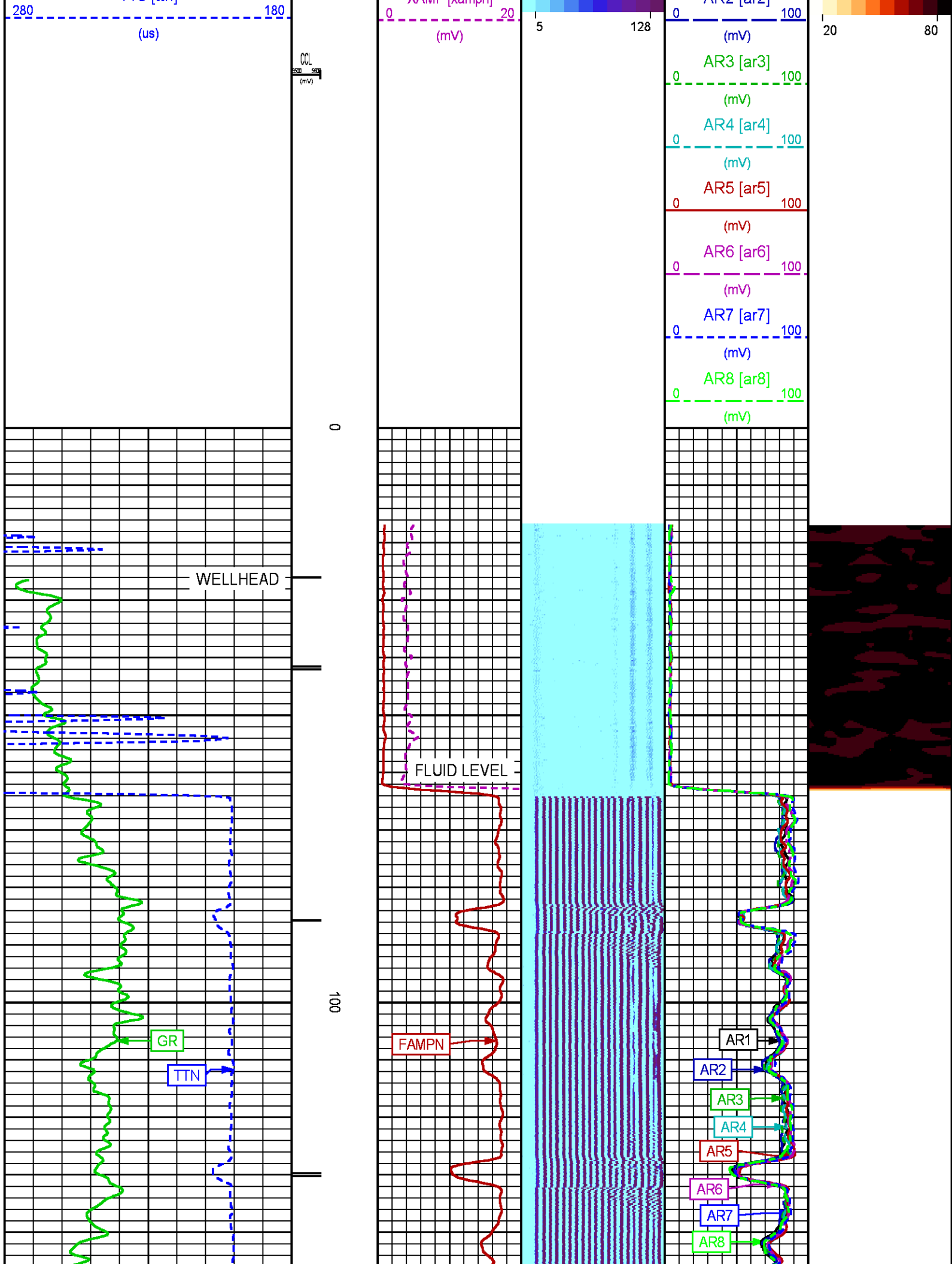
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1)		"	"
TRAVEL TIME	FILTER ()	medium (1)		"	"

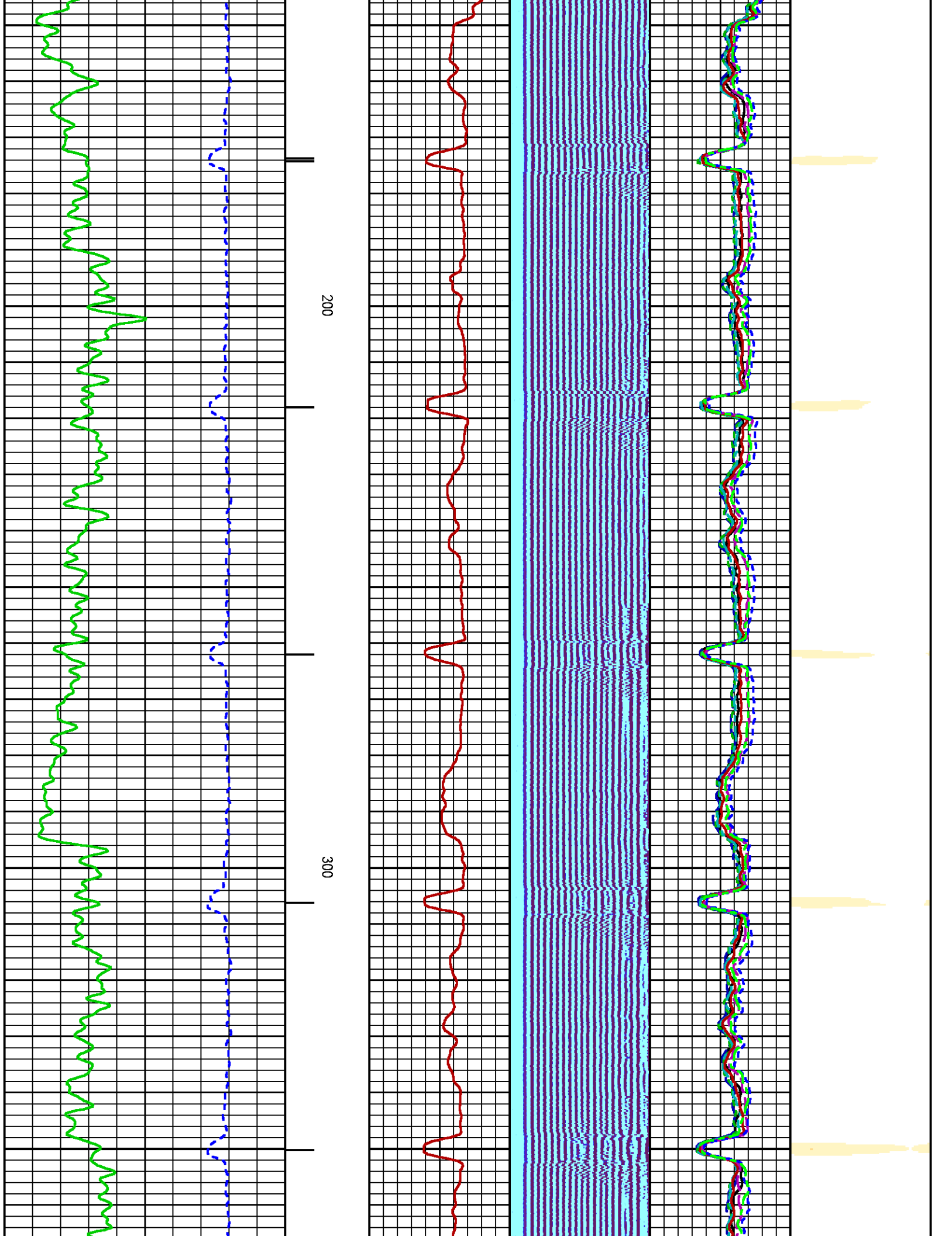
RAL CCL PROCESSING

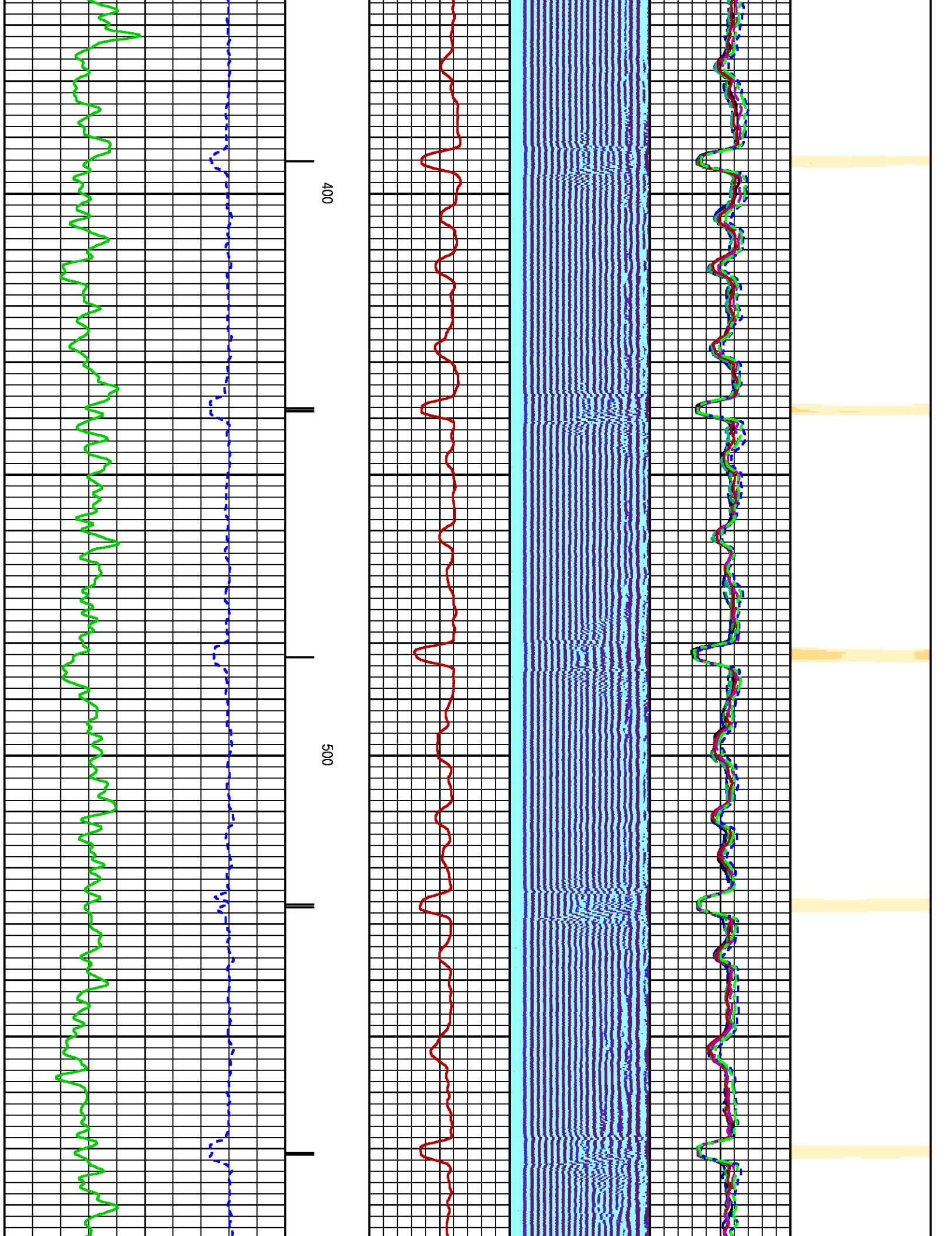
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
CCL FLOOR	CCL FLOOR	0		TOP	BOTTOM

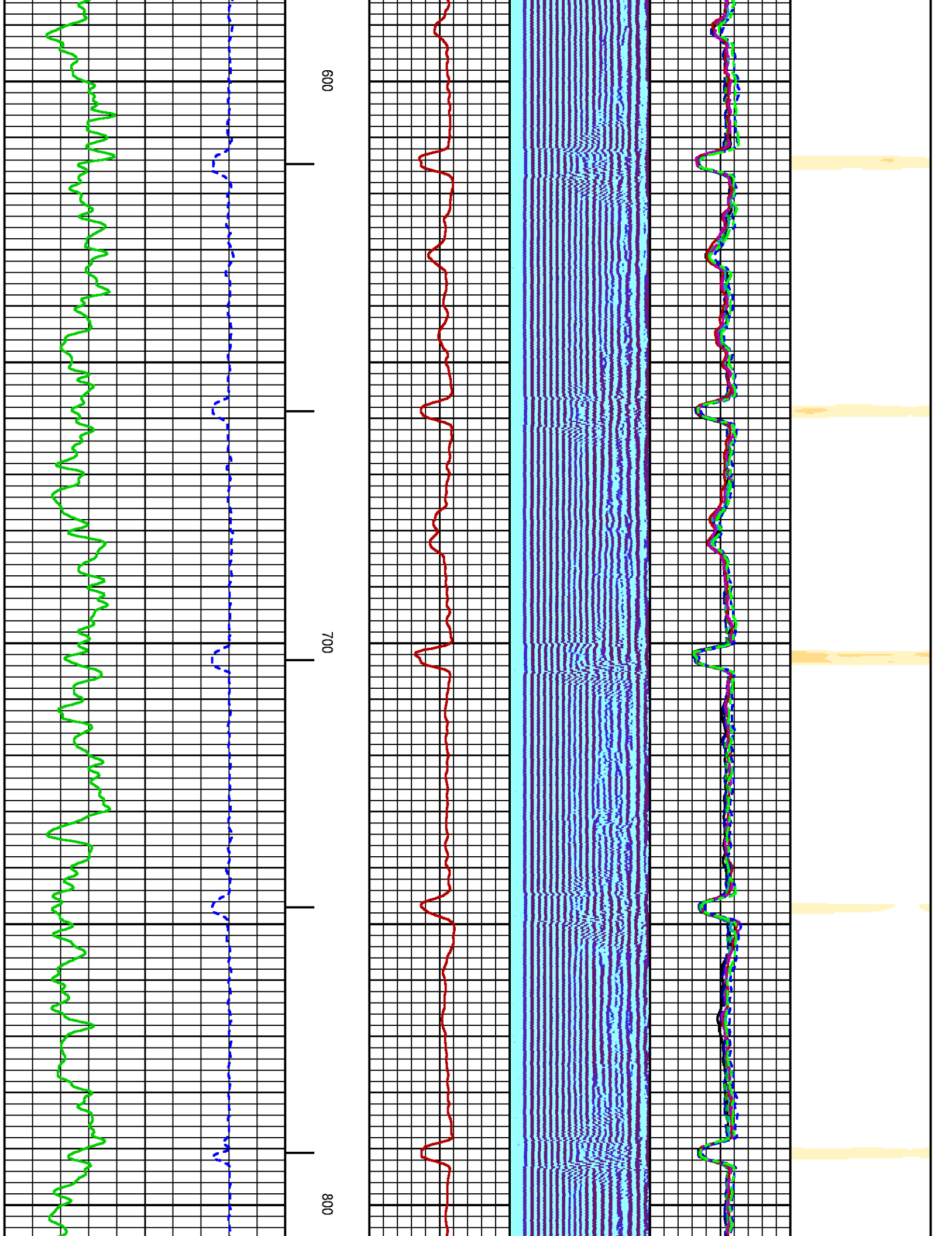
ANALOG RAL PROCESSING

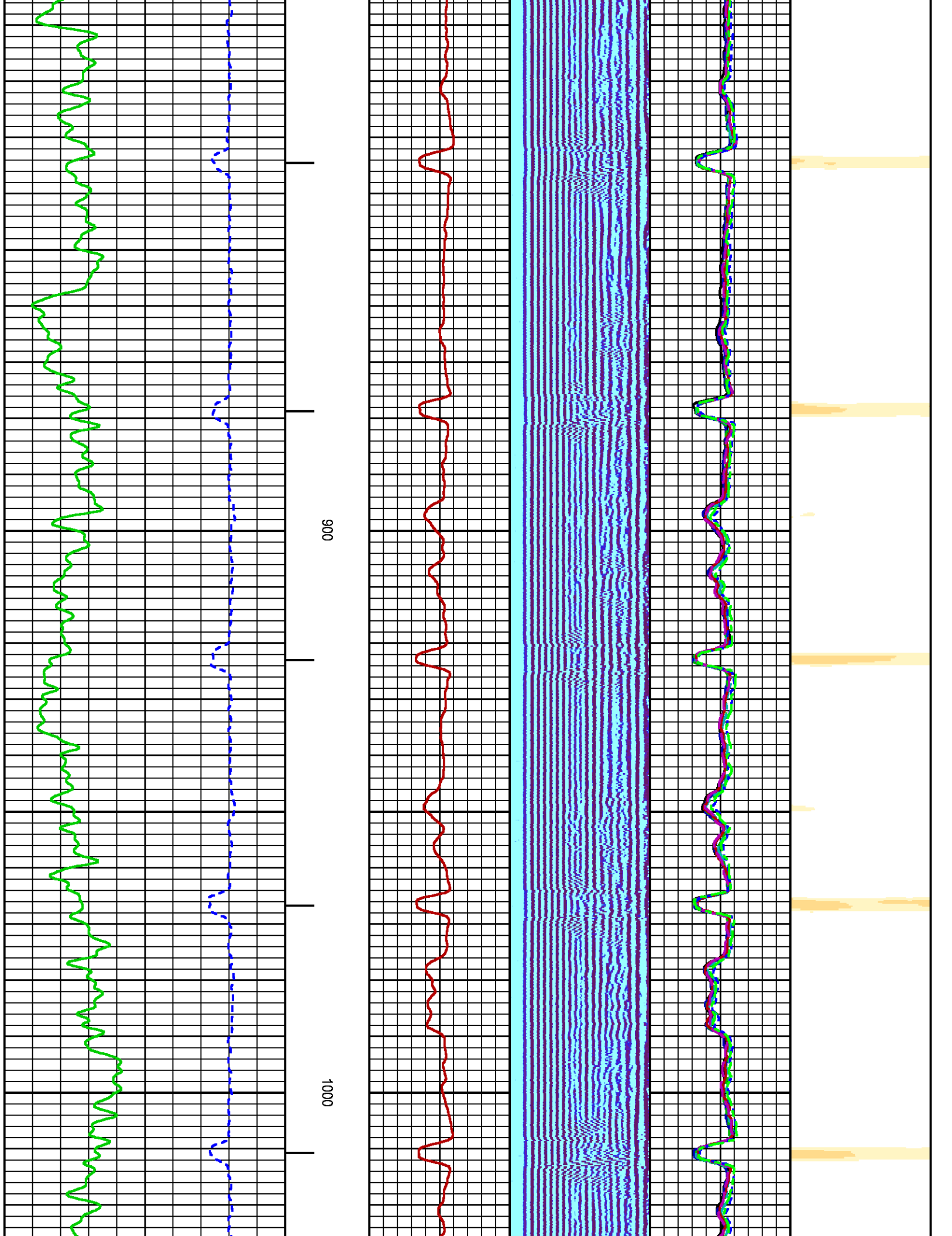
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	187	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	187	us	"	"
	AMP WINDOW START (fgp3*)	187	us	"	"
	AMP WINDOW START (fgp4*)	187	us	"	"
	AMP WINDOW START (fgp5*)	187	us	"	"
	AMP WINDOW START (fgp6*)	187	us	"	"
	AMP WINDOW START (fgp7*)	187	us	"	"
	AMP WINDOW START (fgp8*)	187	us	"	"
	AMP WINDOW START (fgpn*)	187	us	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	170	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*)	-68	us	"	"

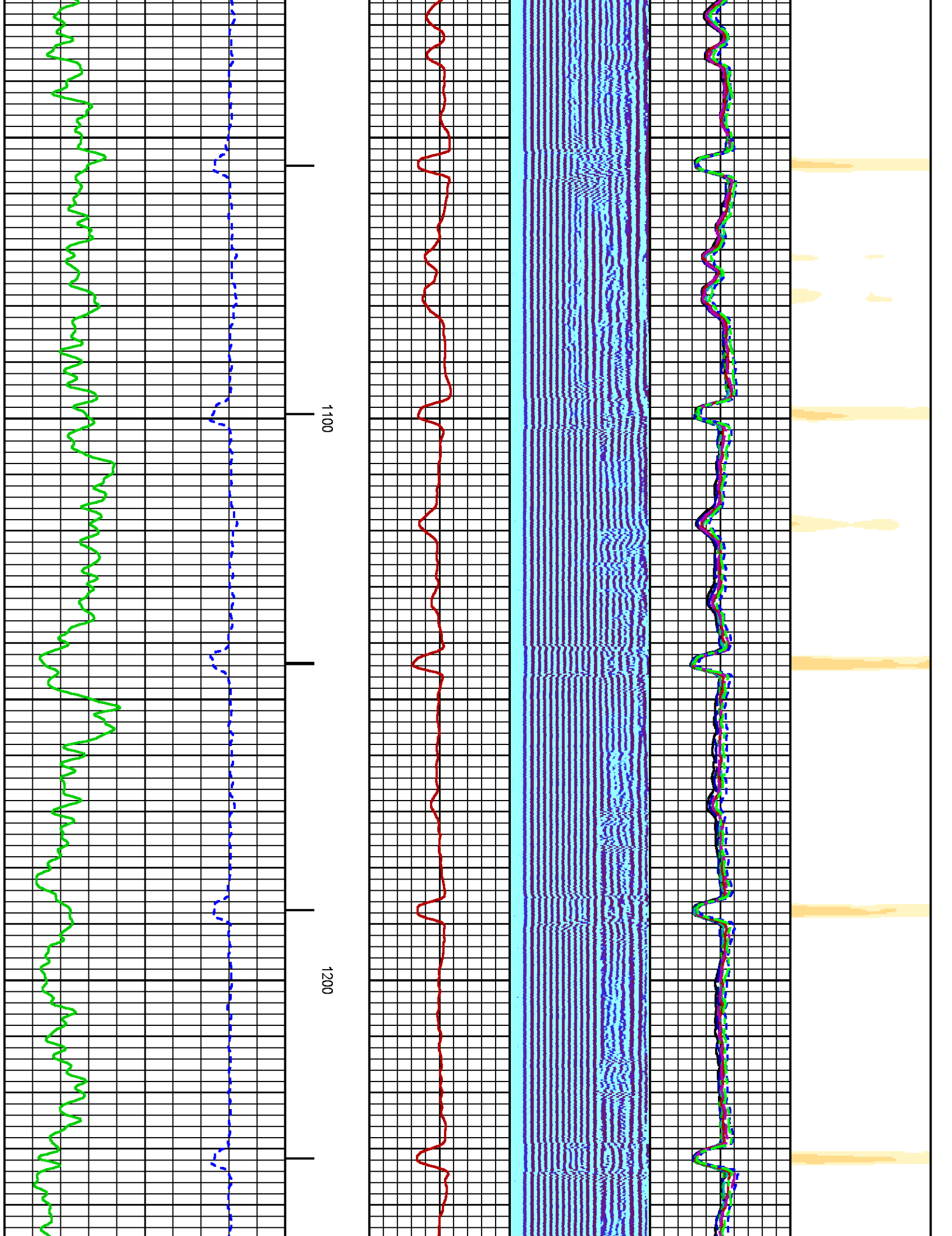


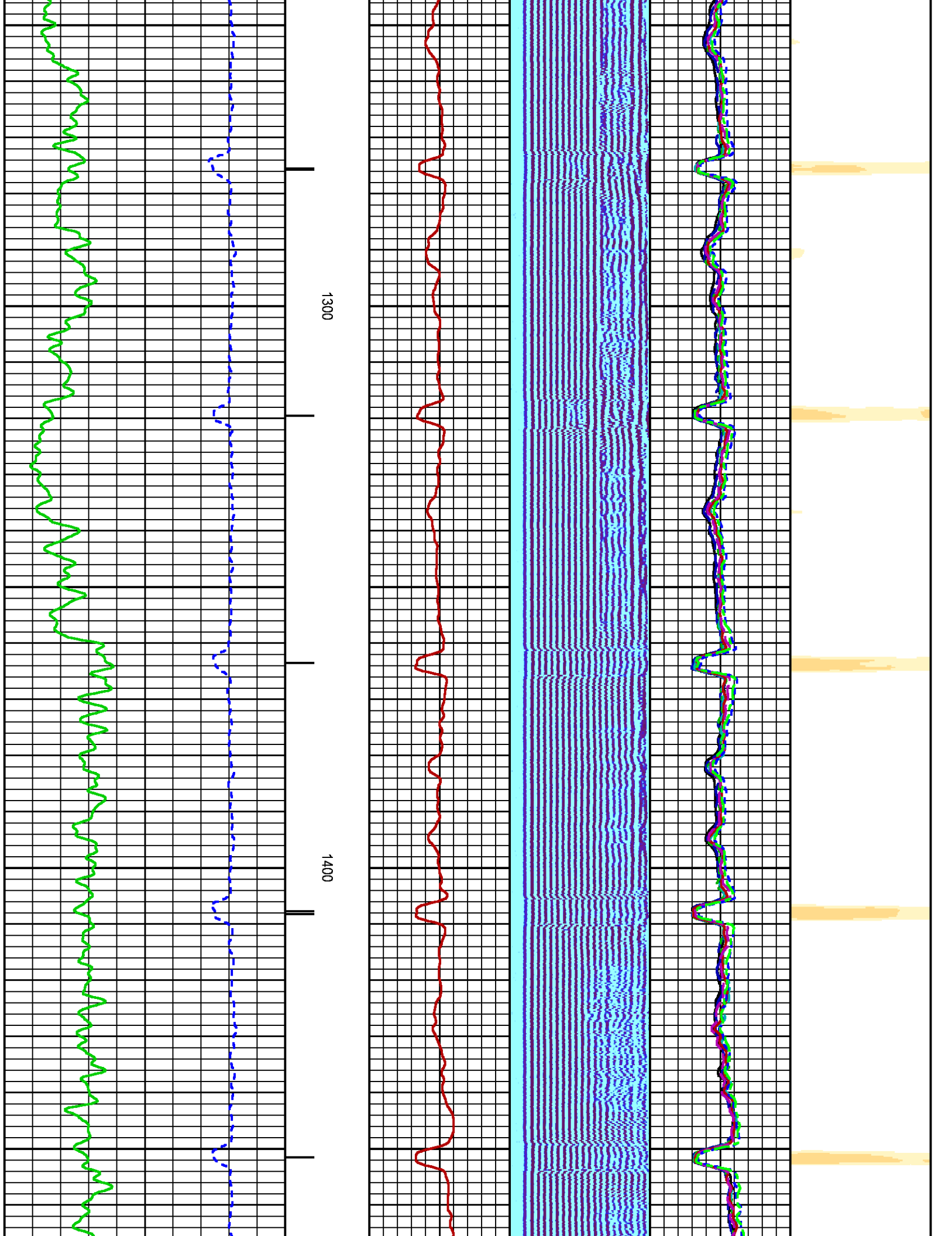


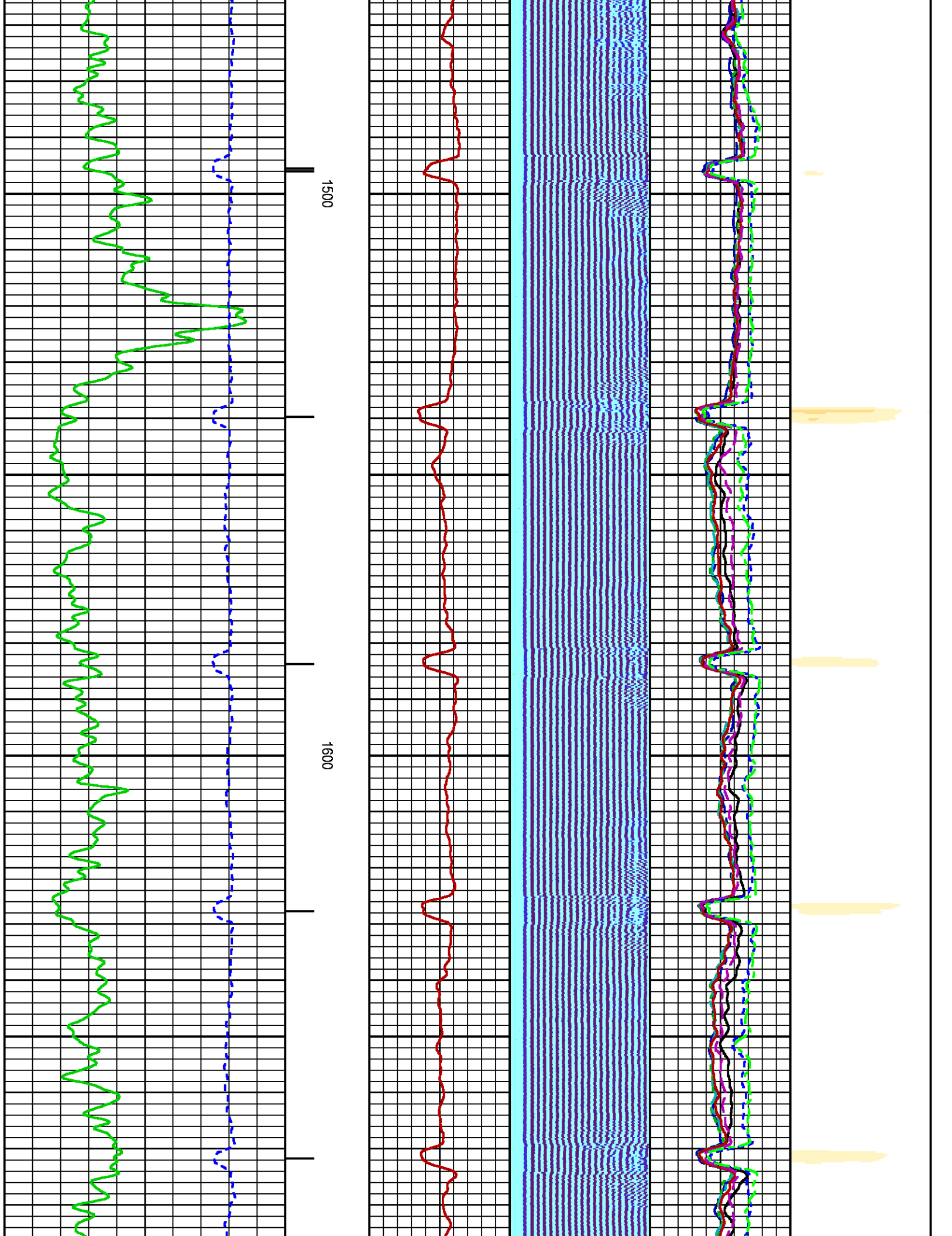


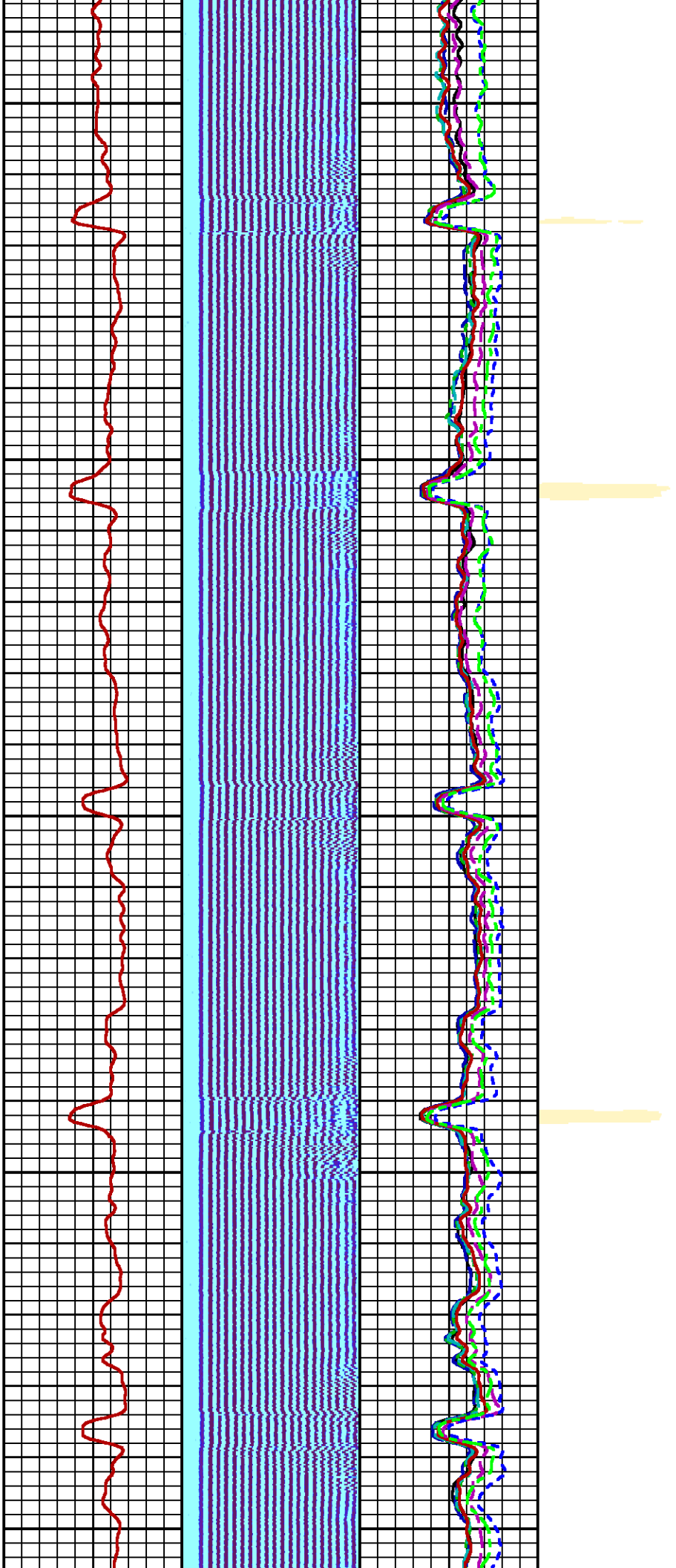








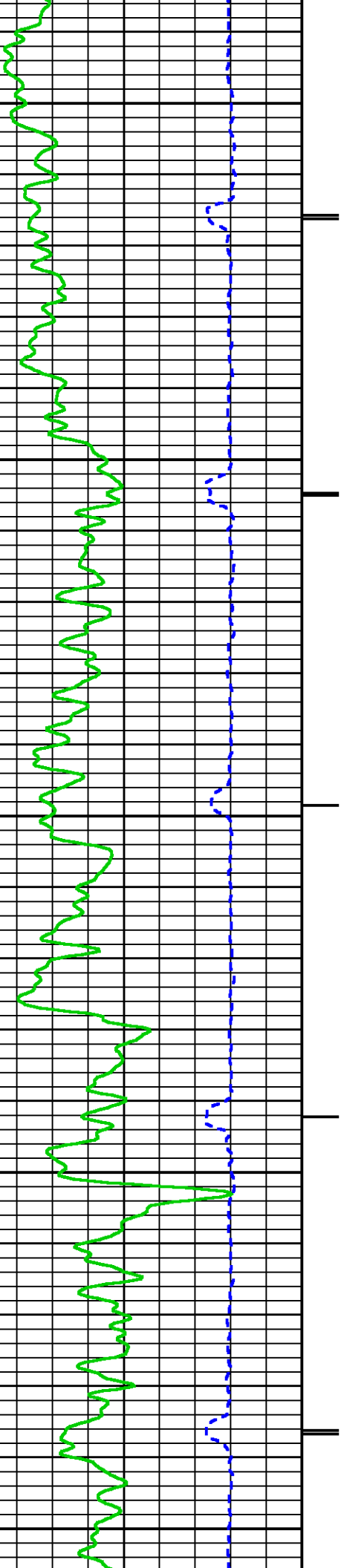


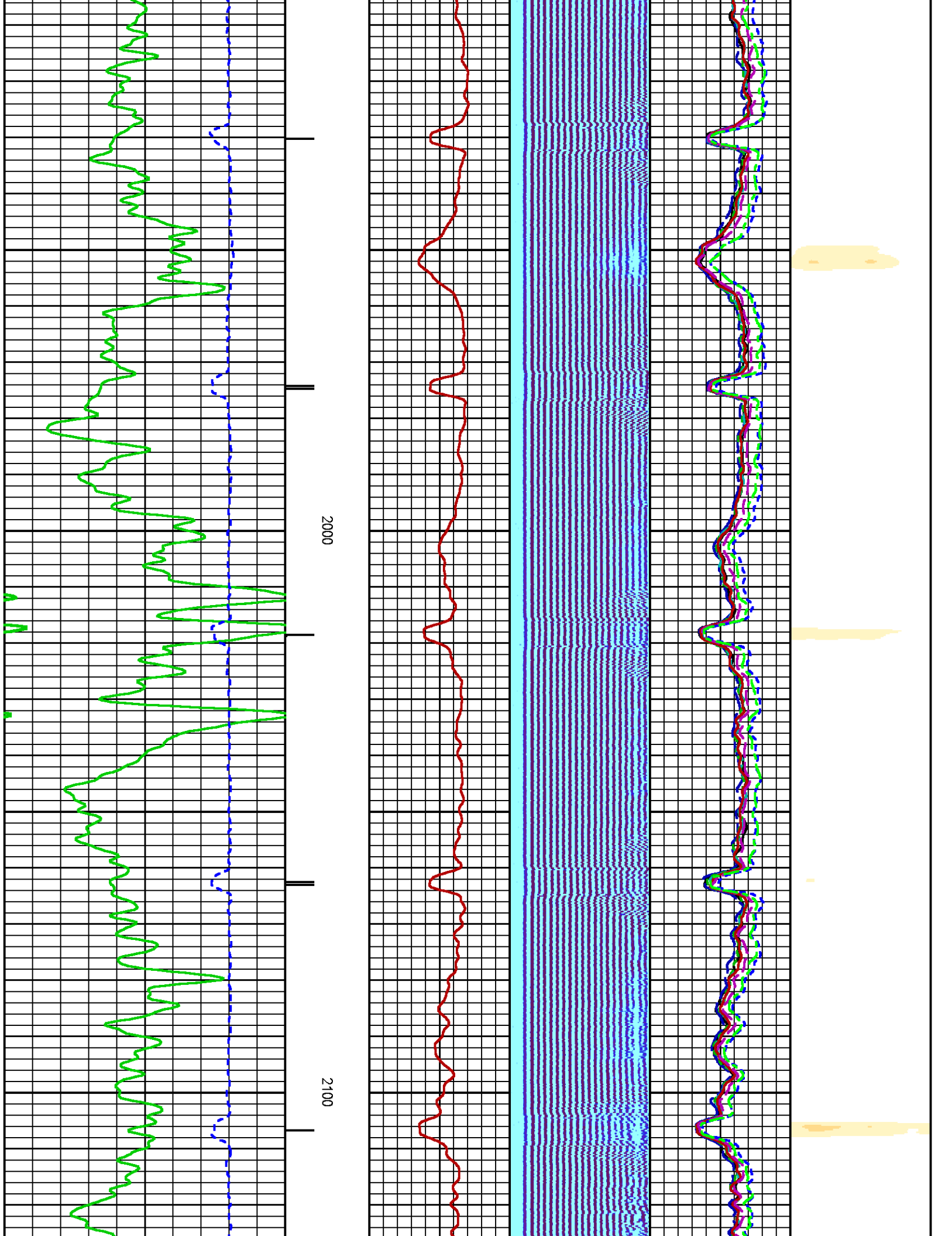


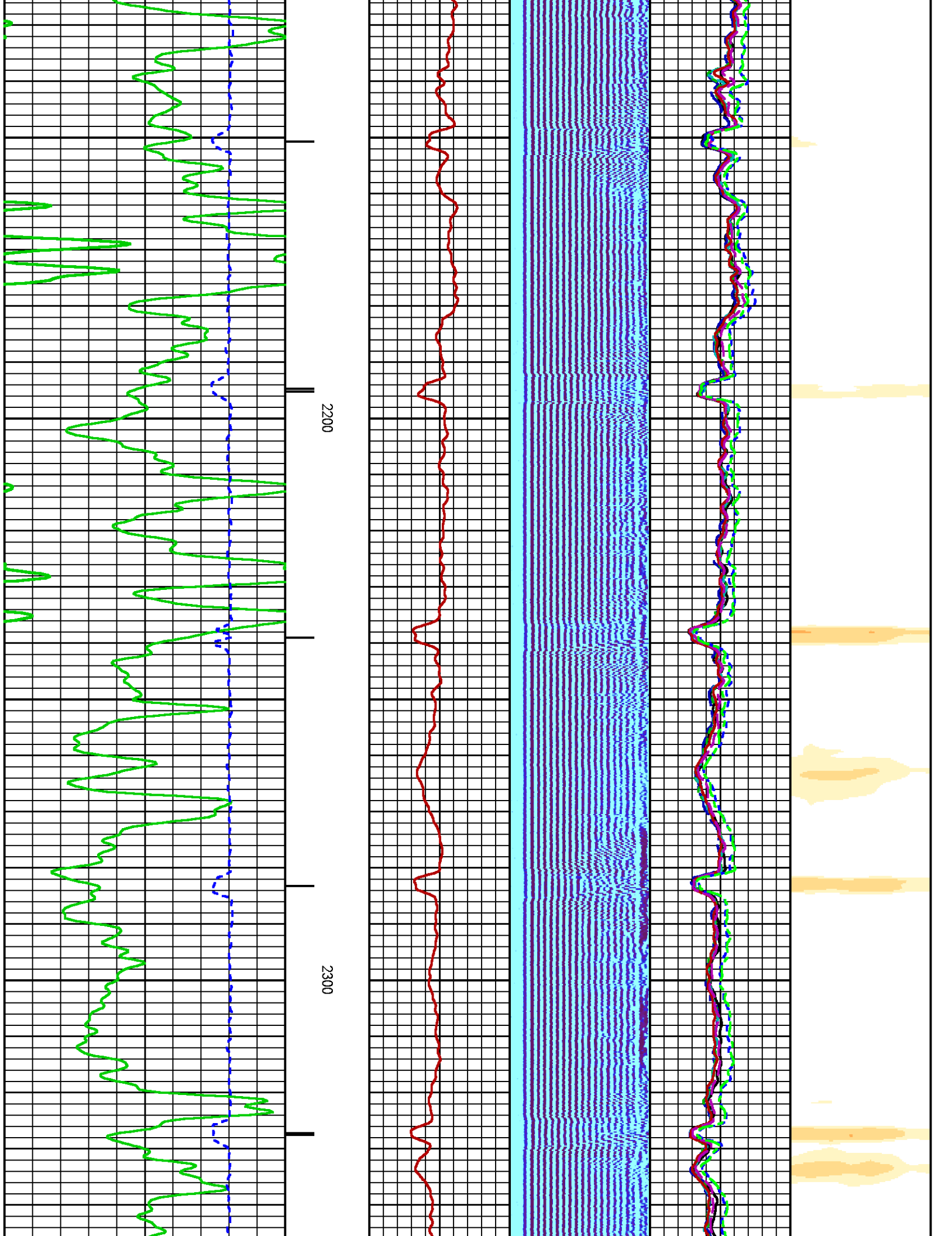
1700

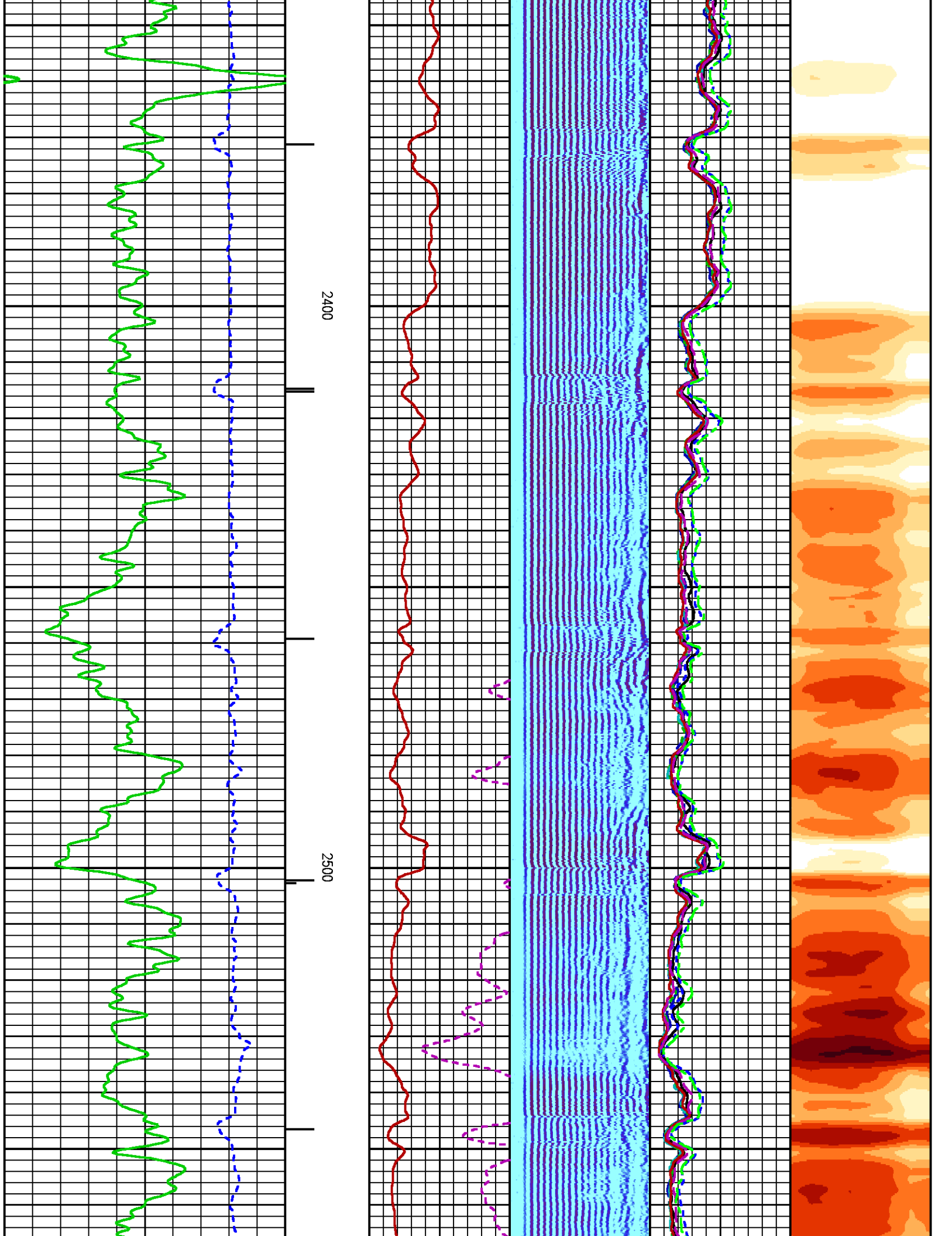
1800

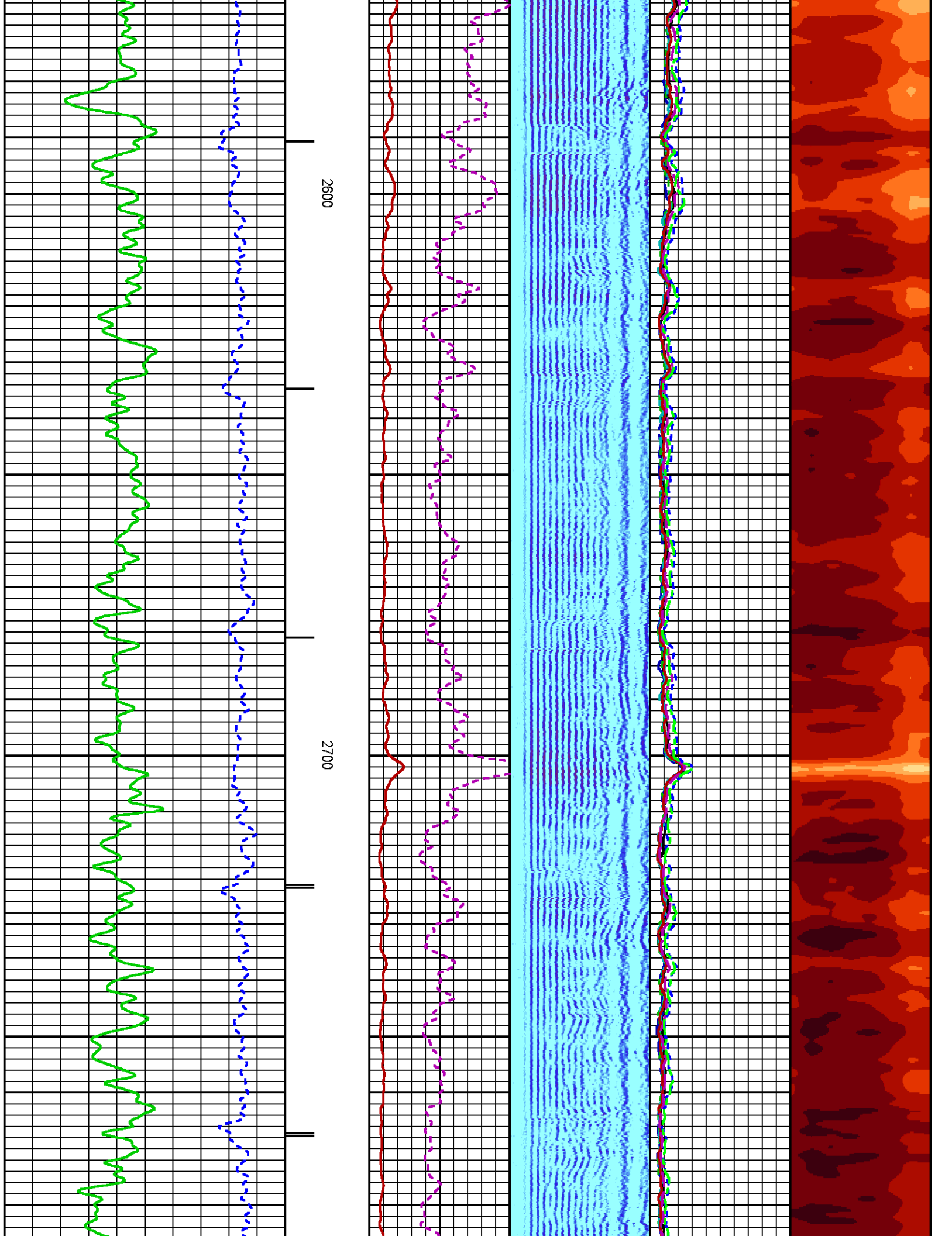
1900

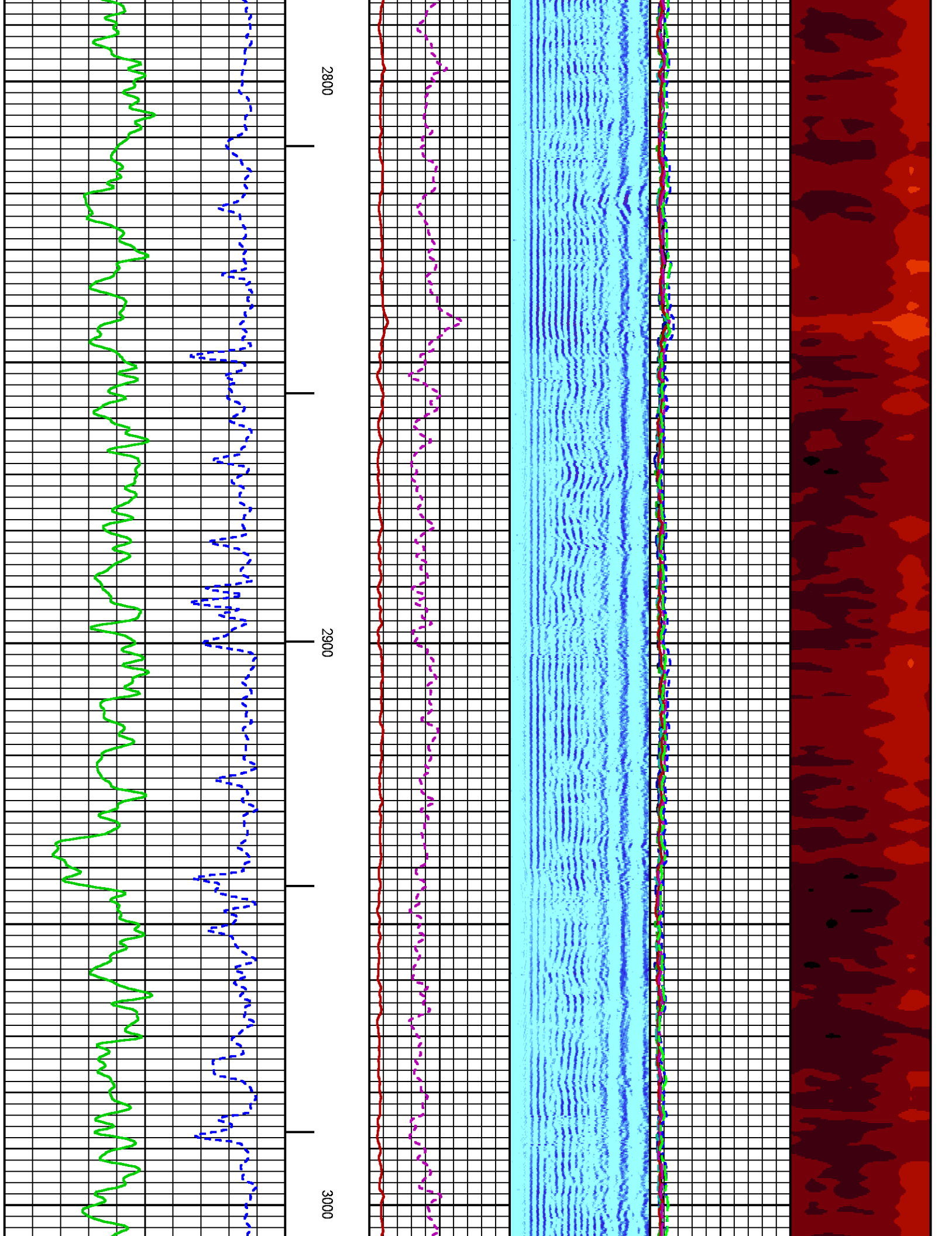


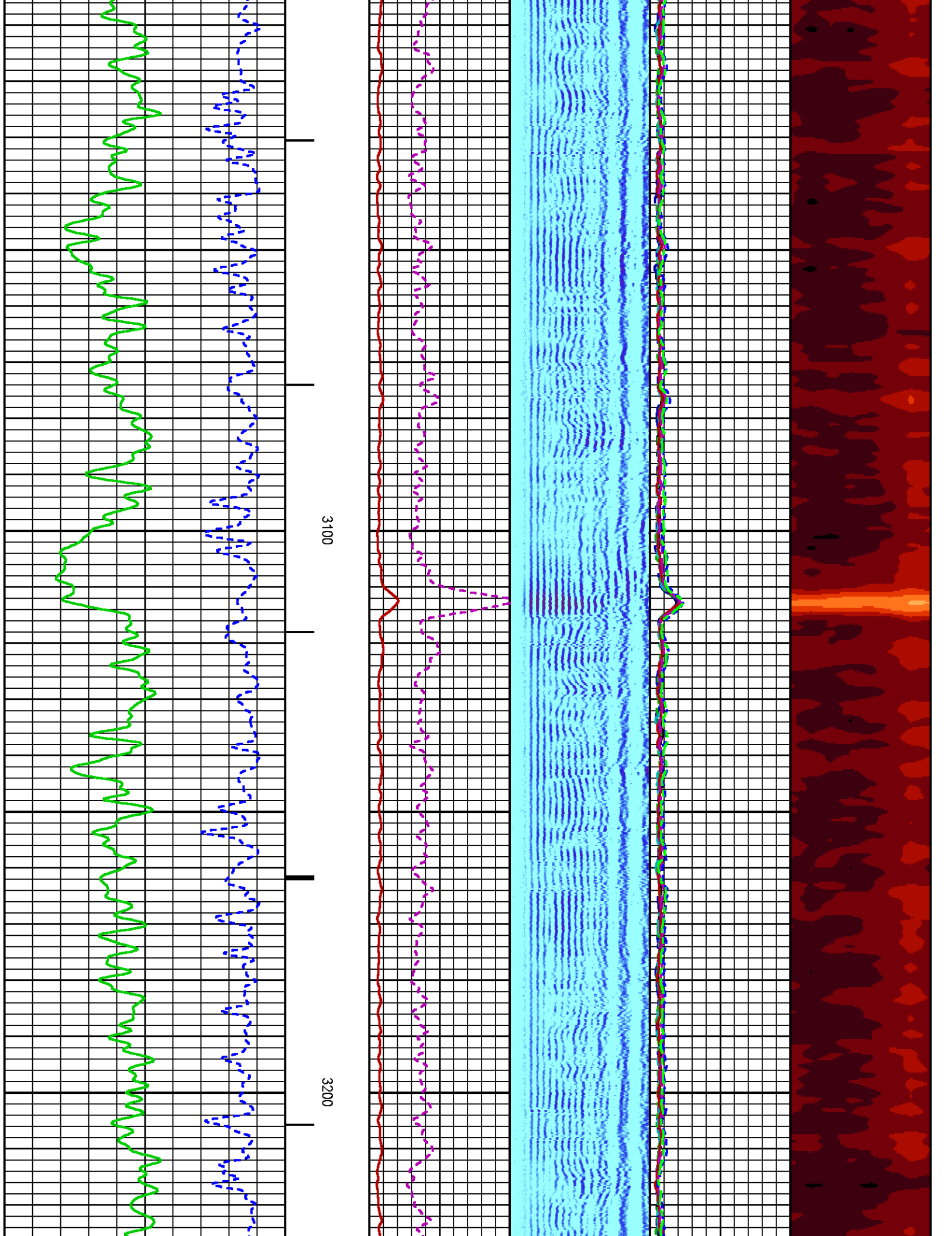


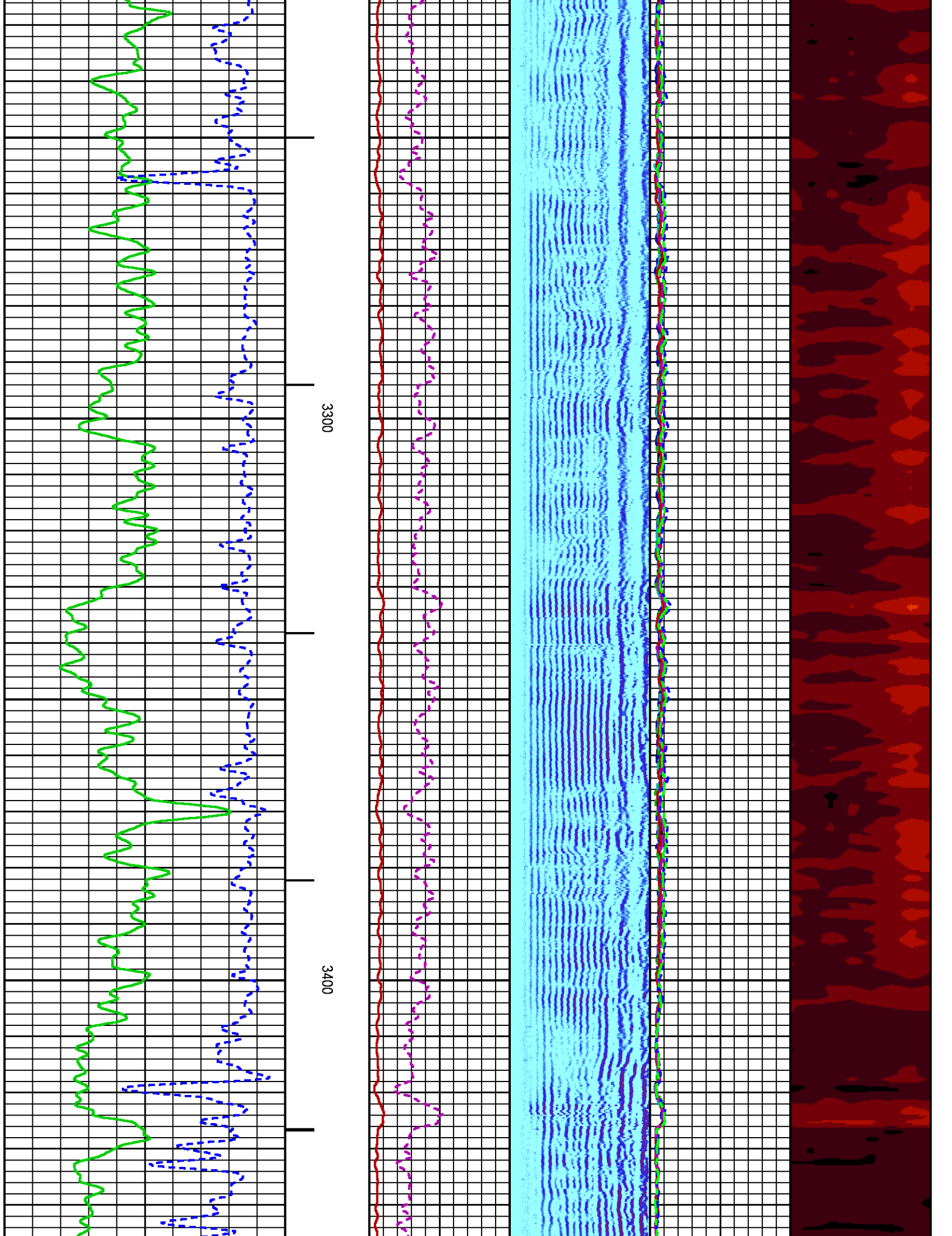


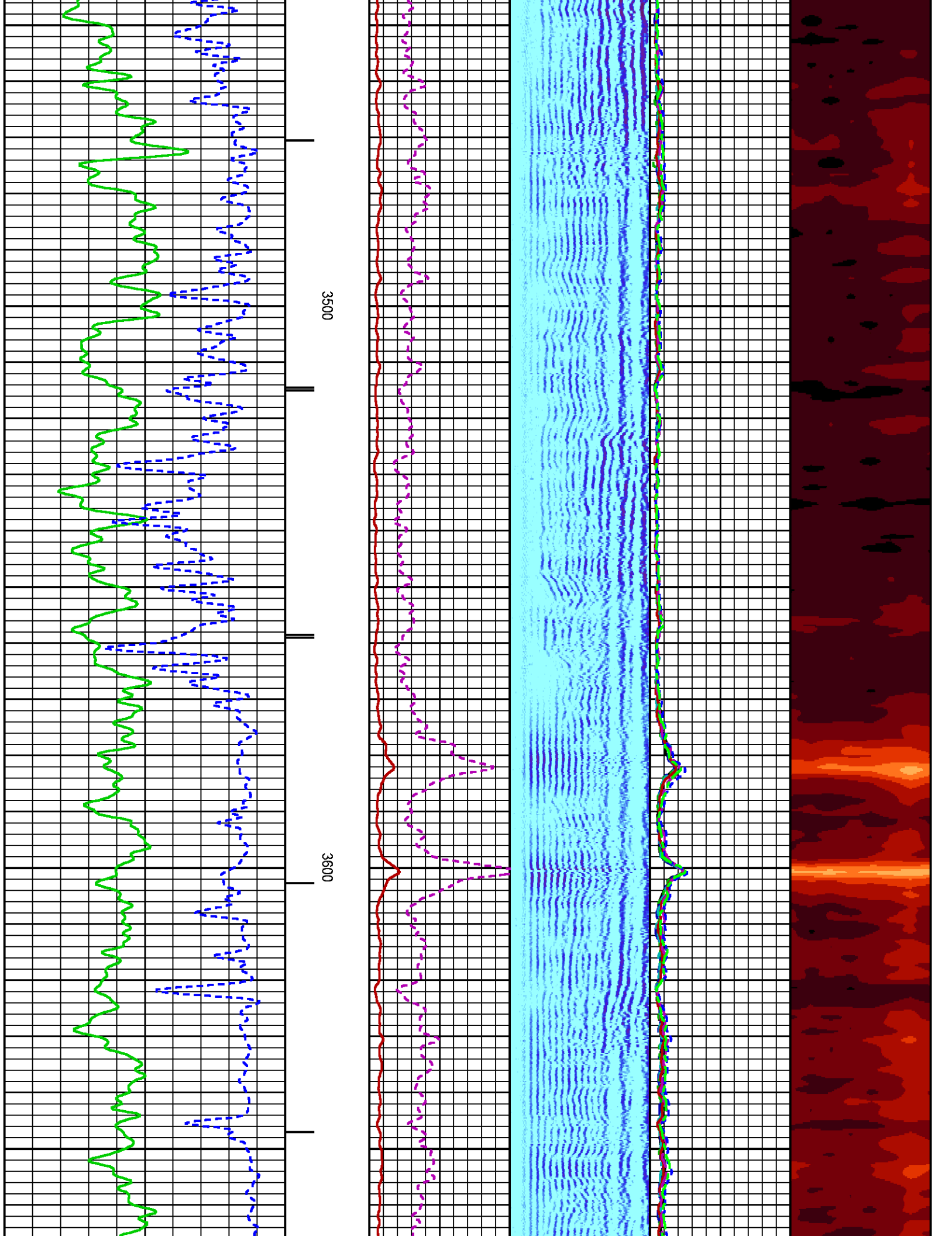


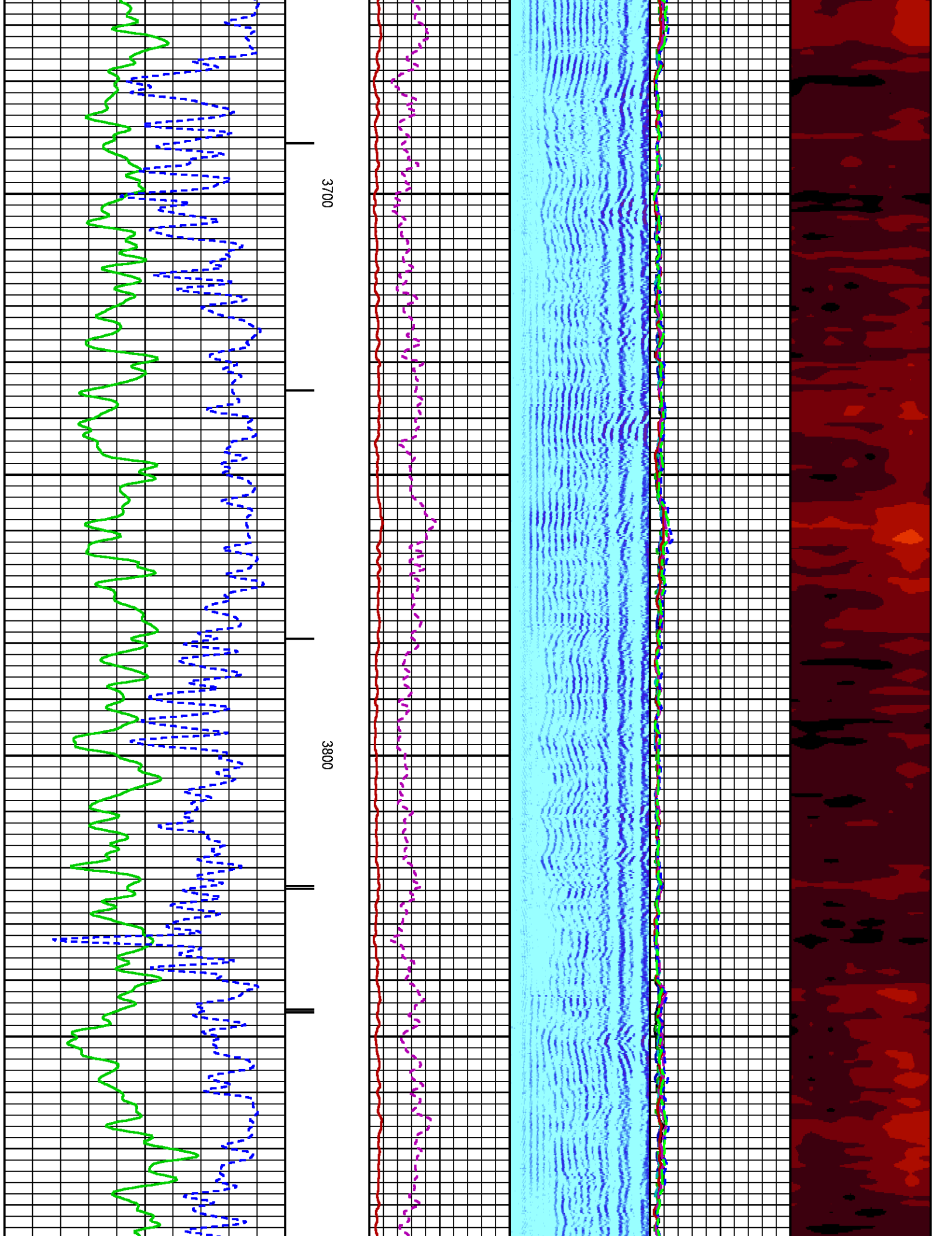


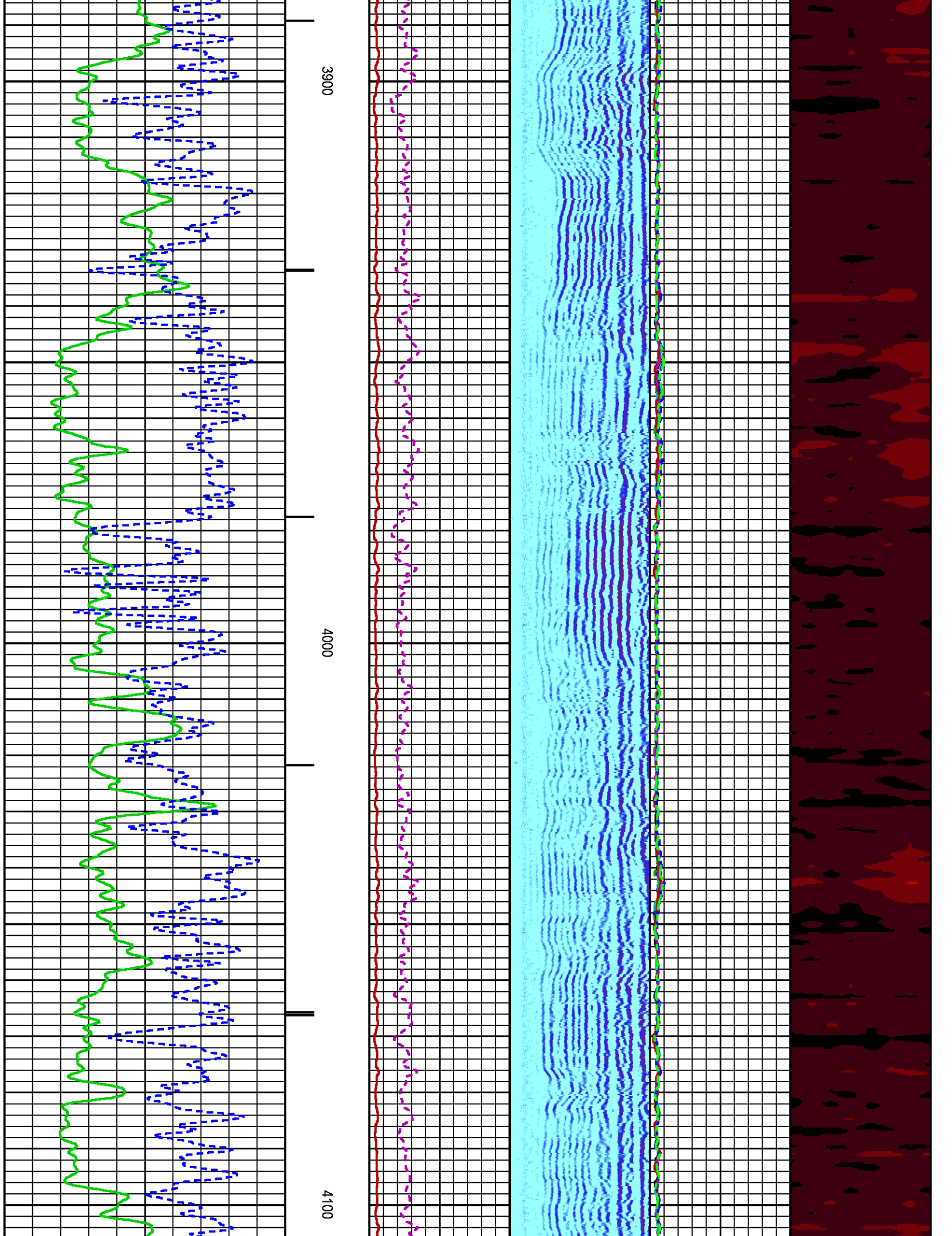


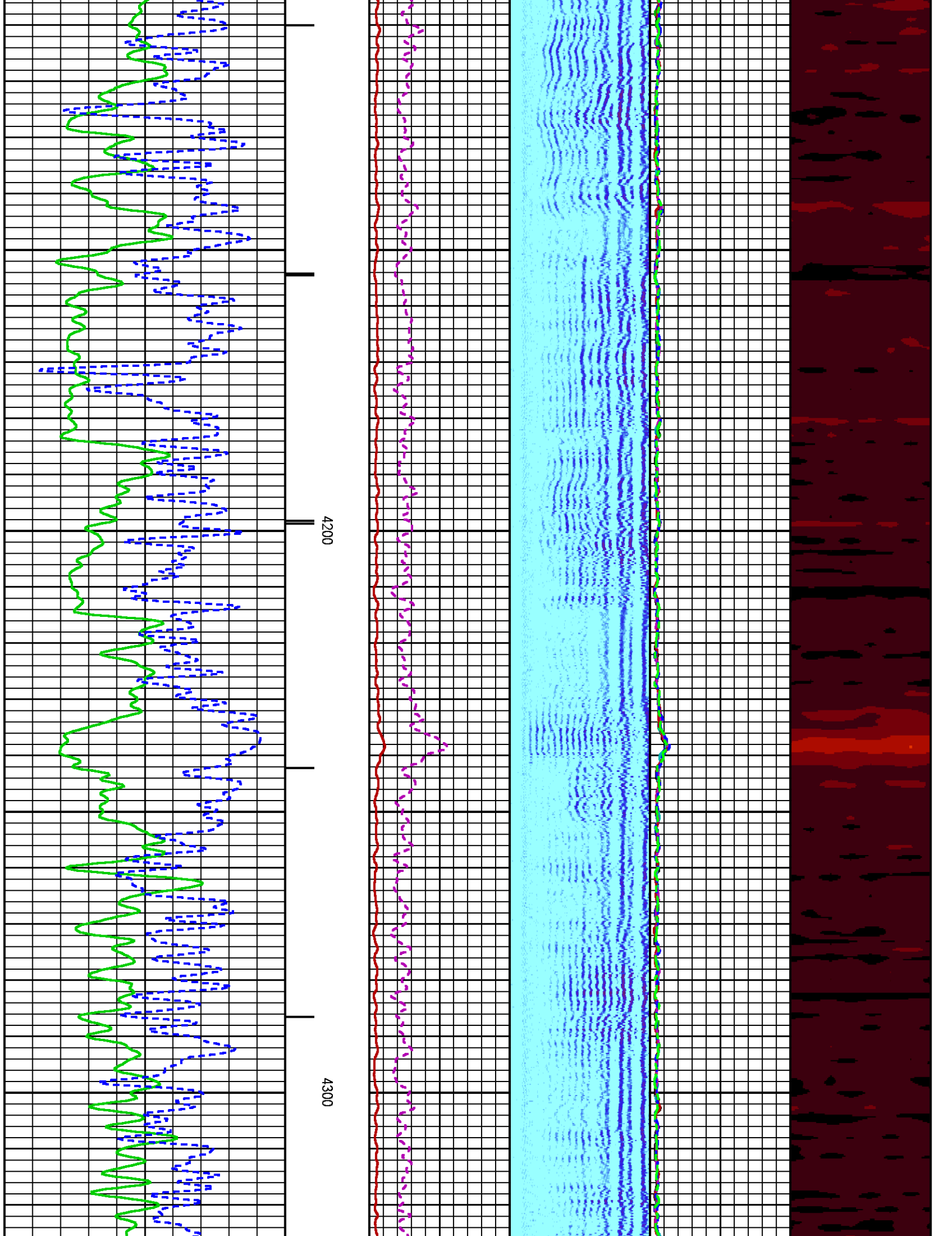


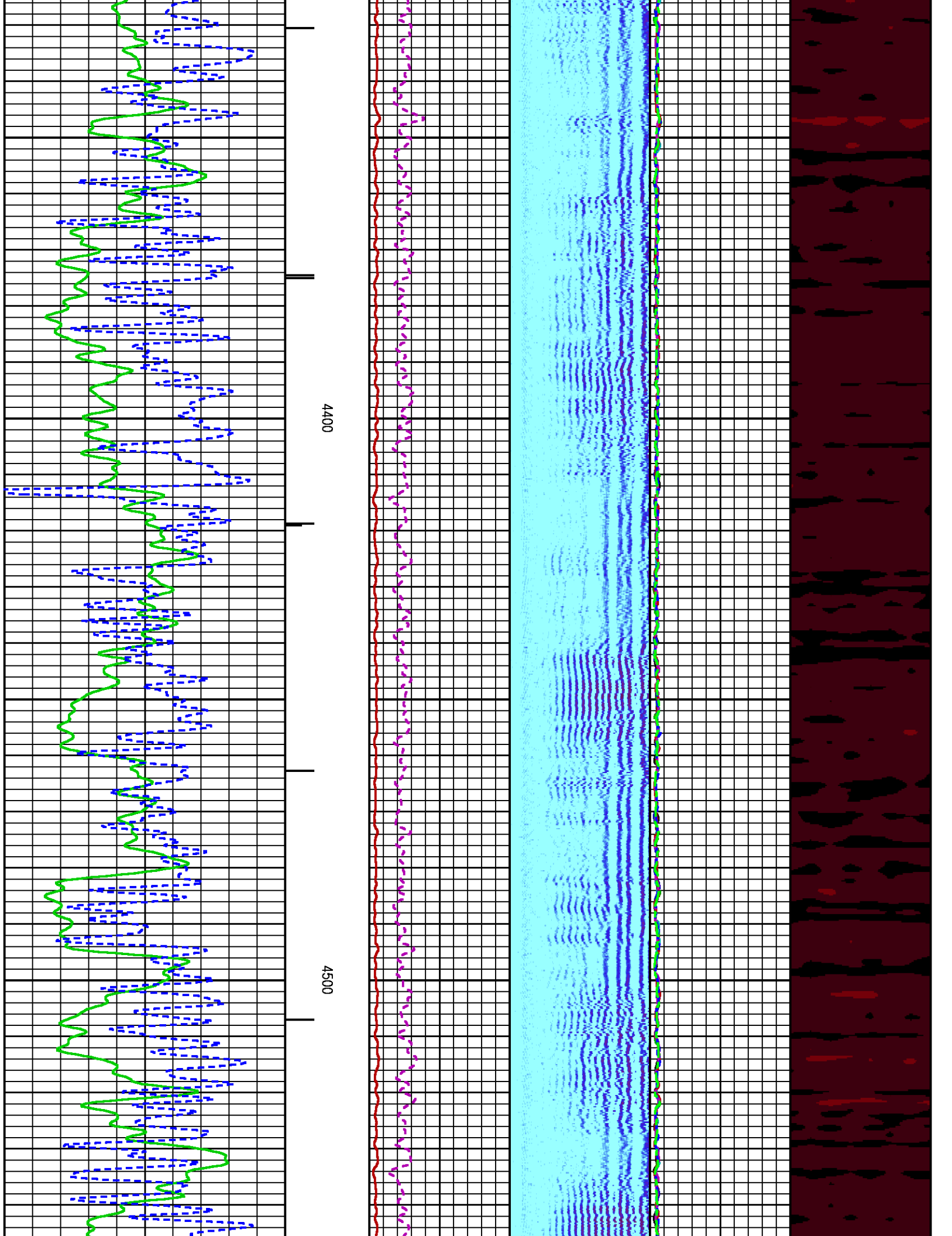


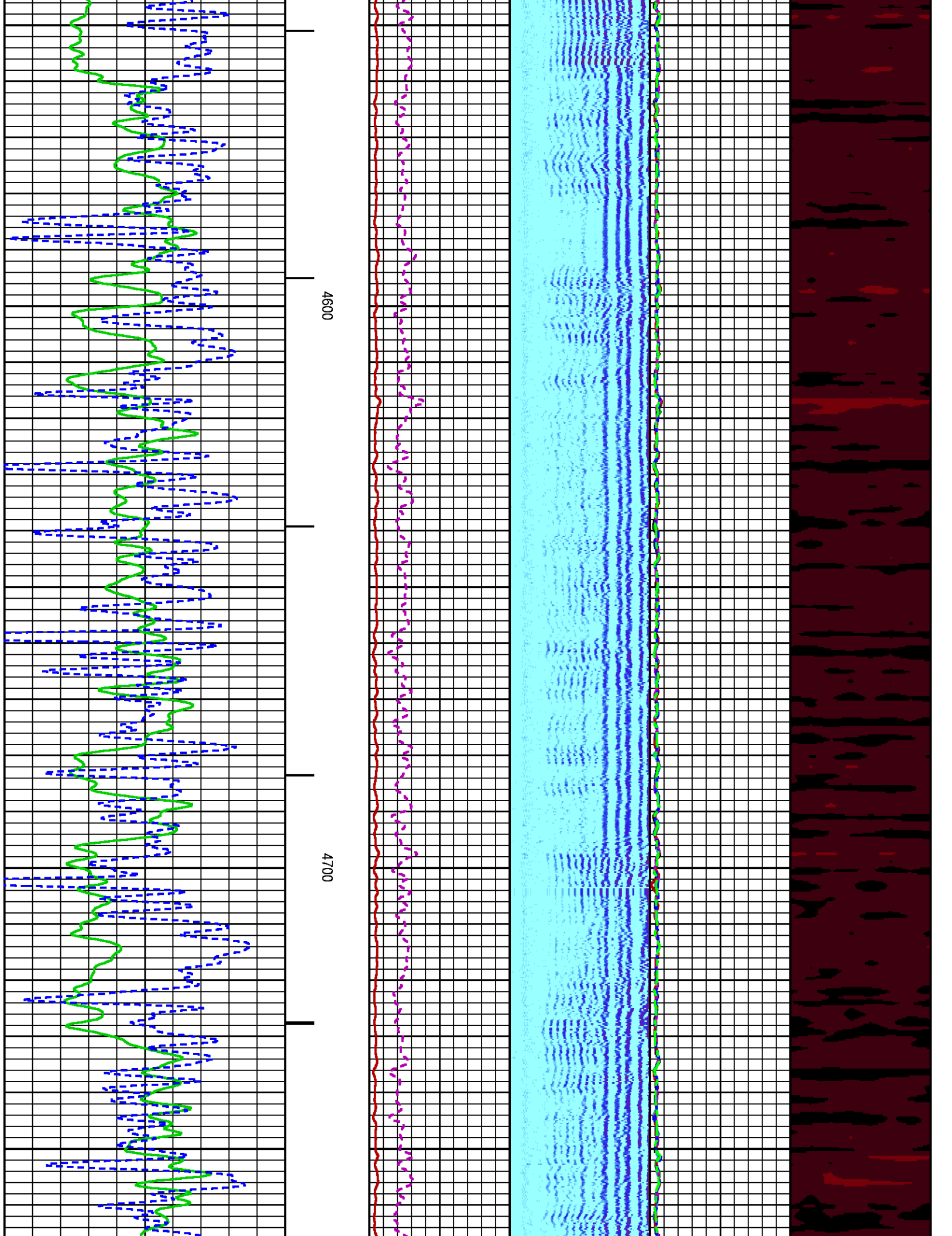


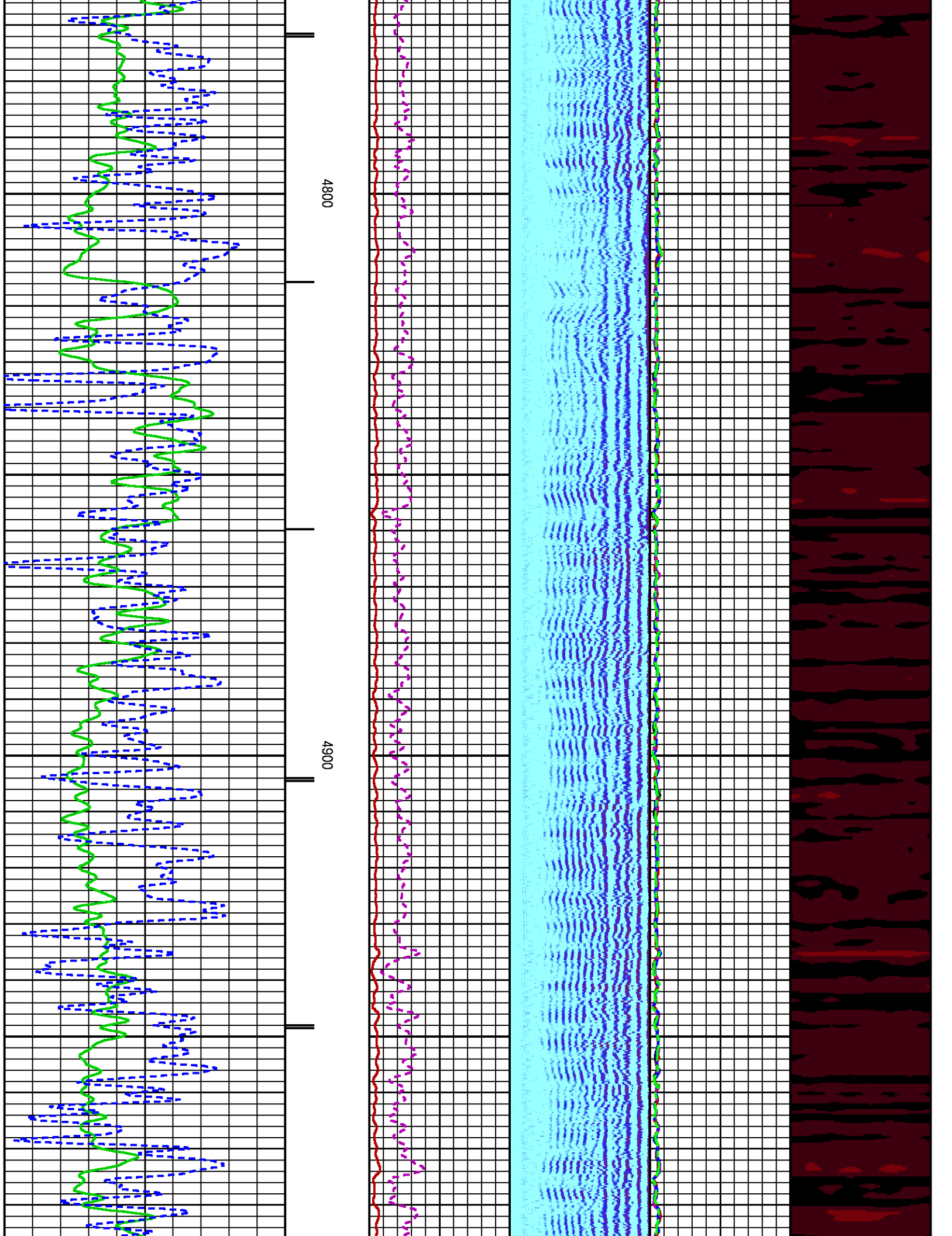


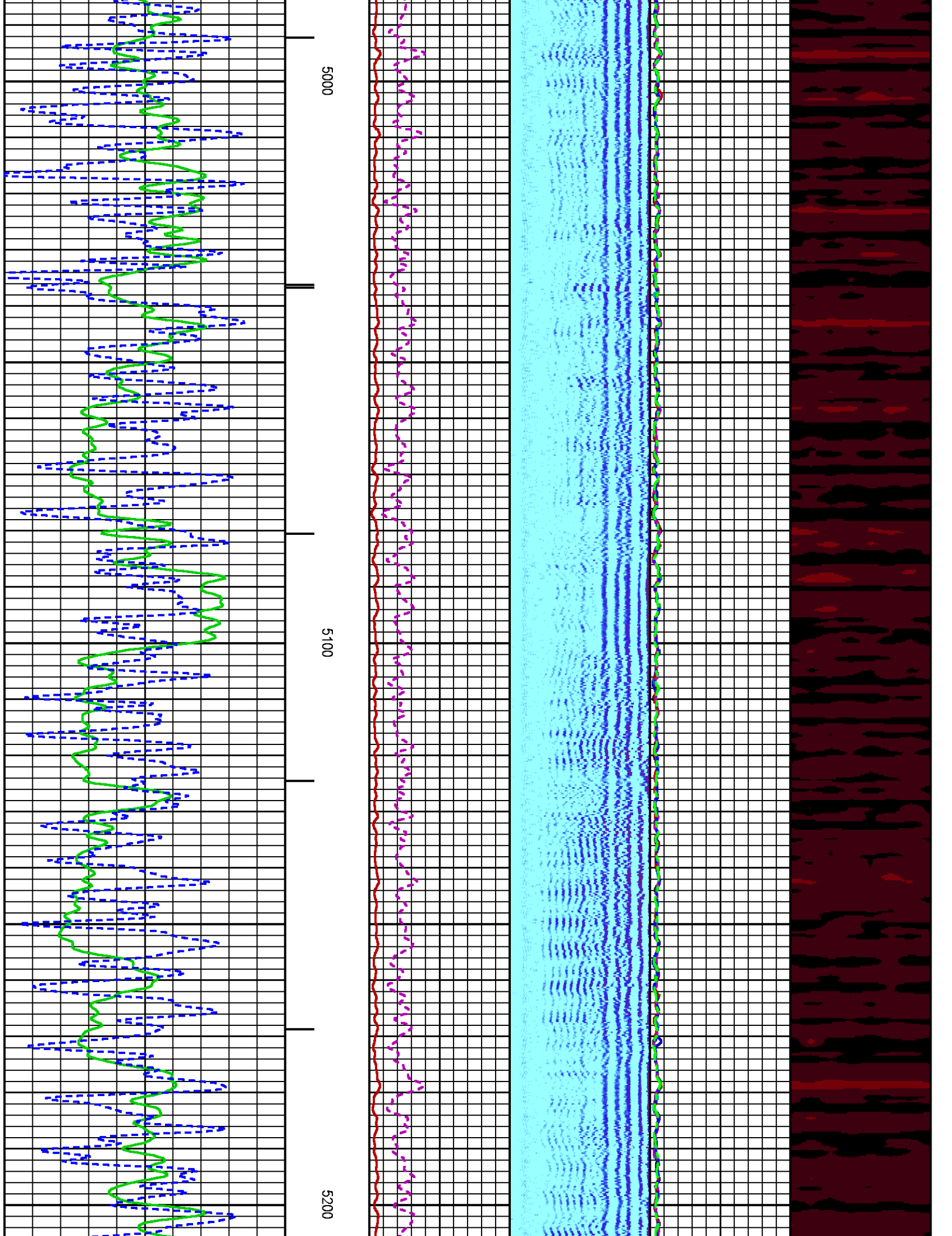


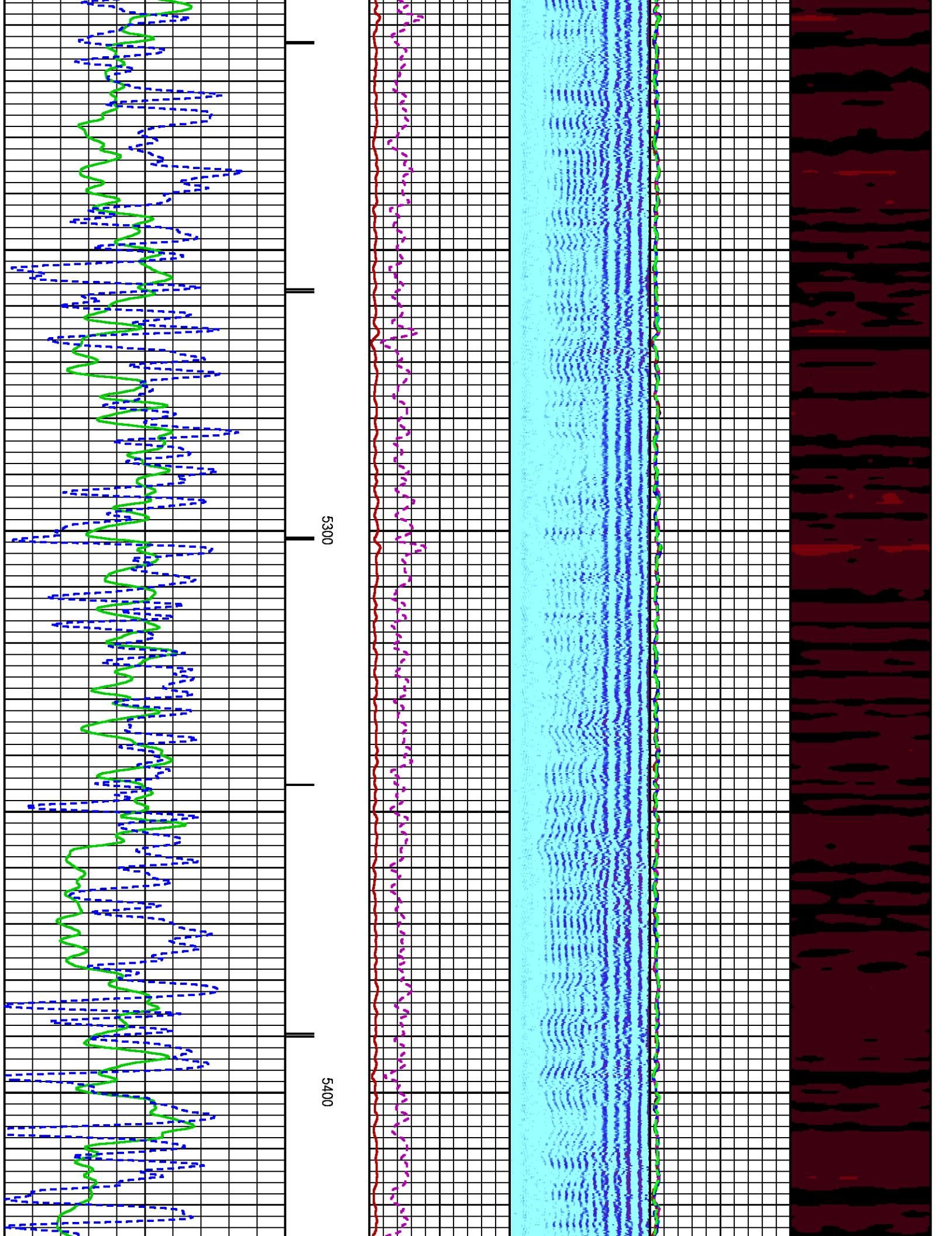


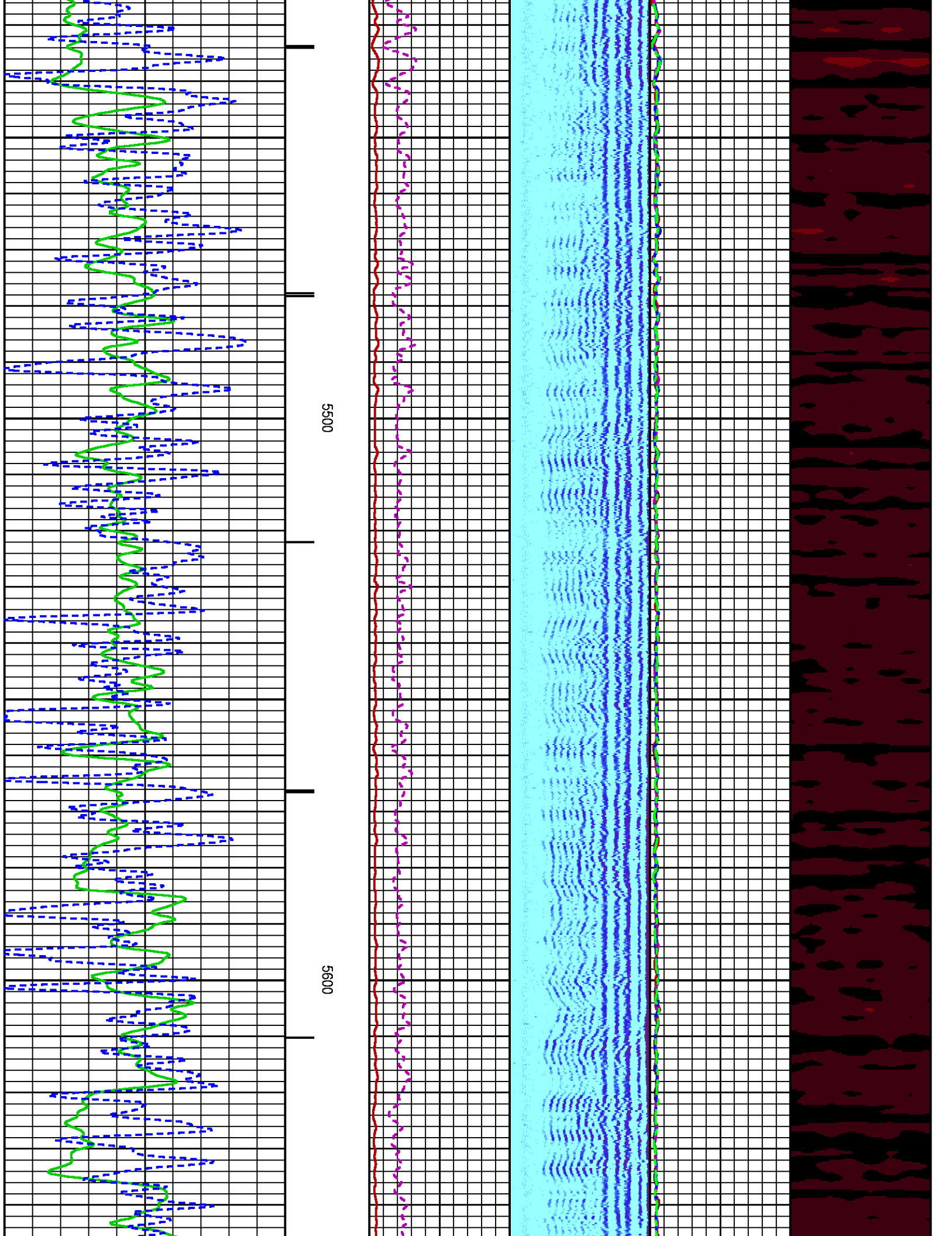


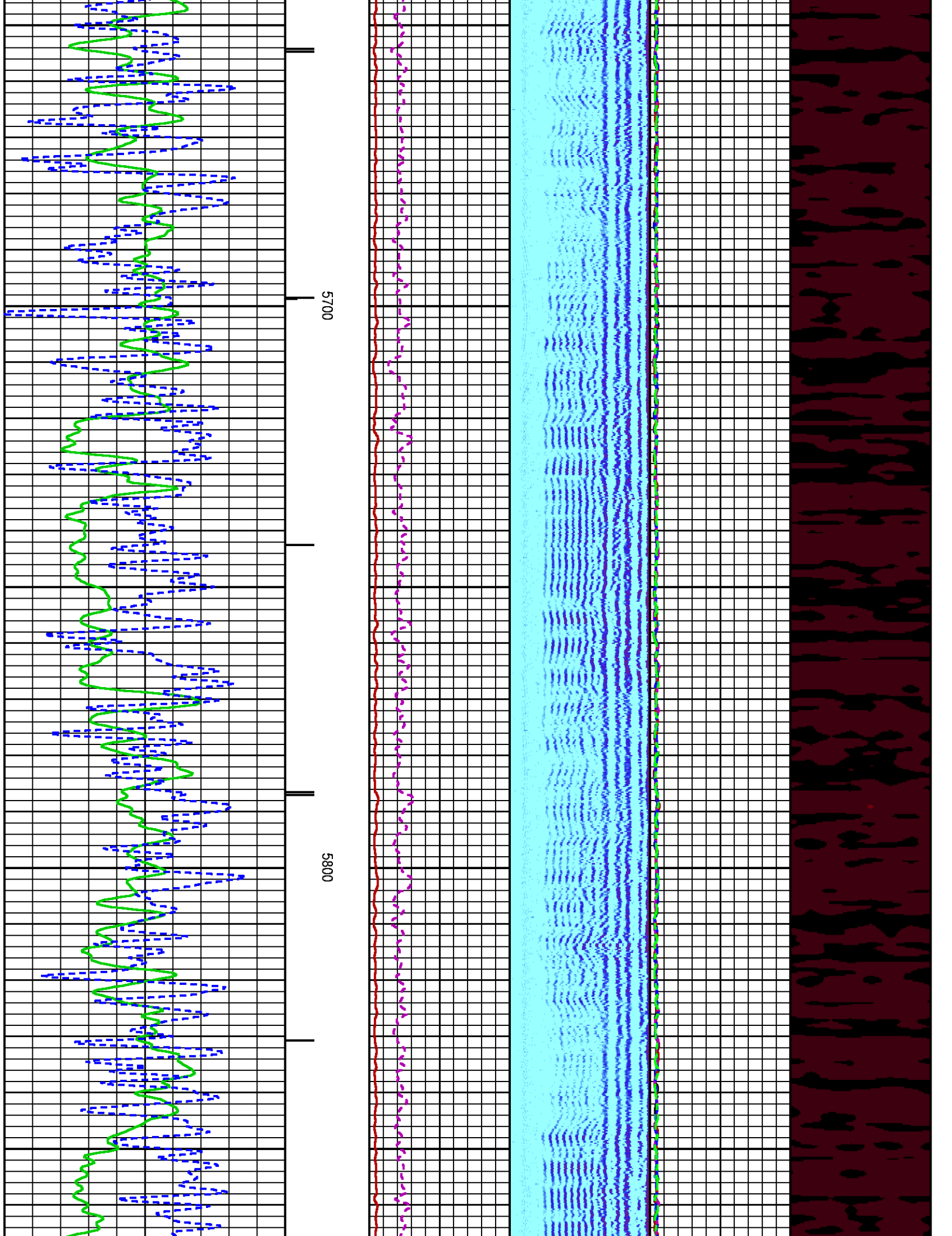


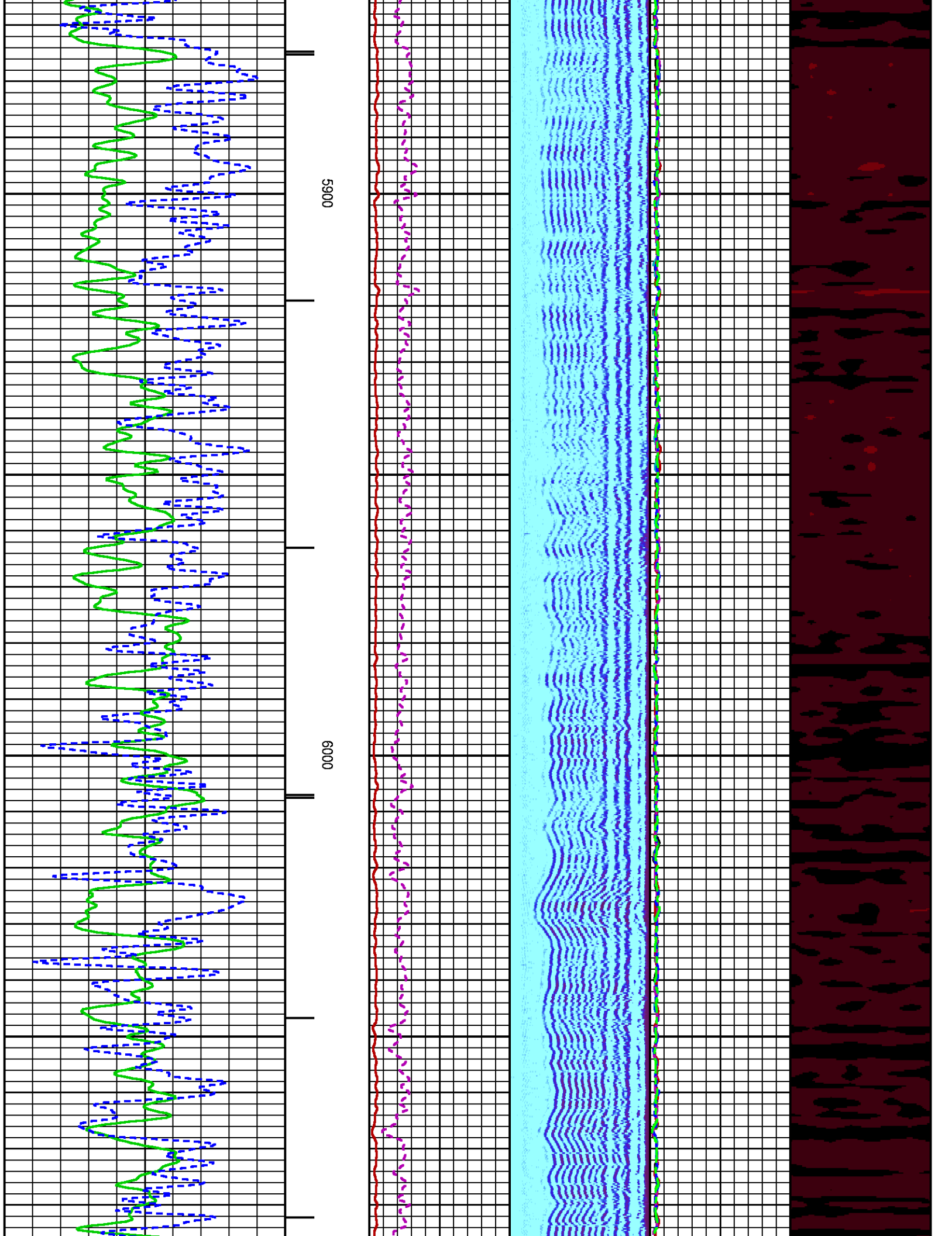


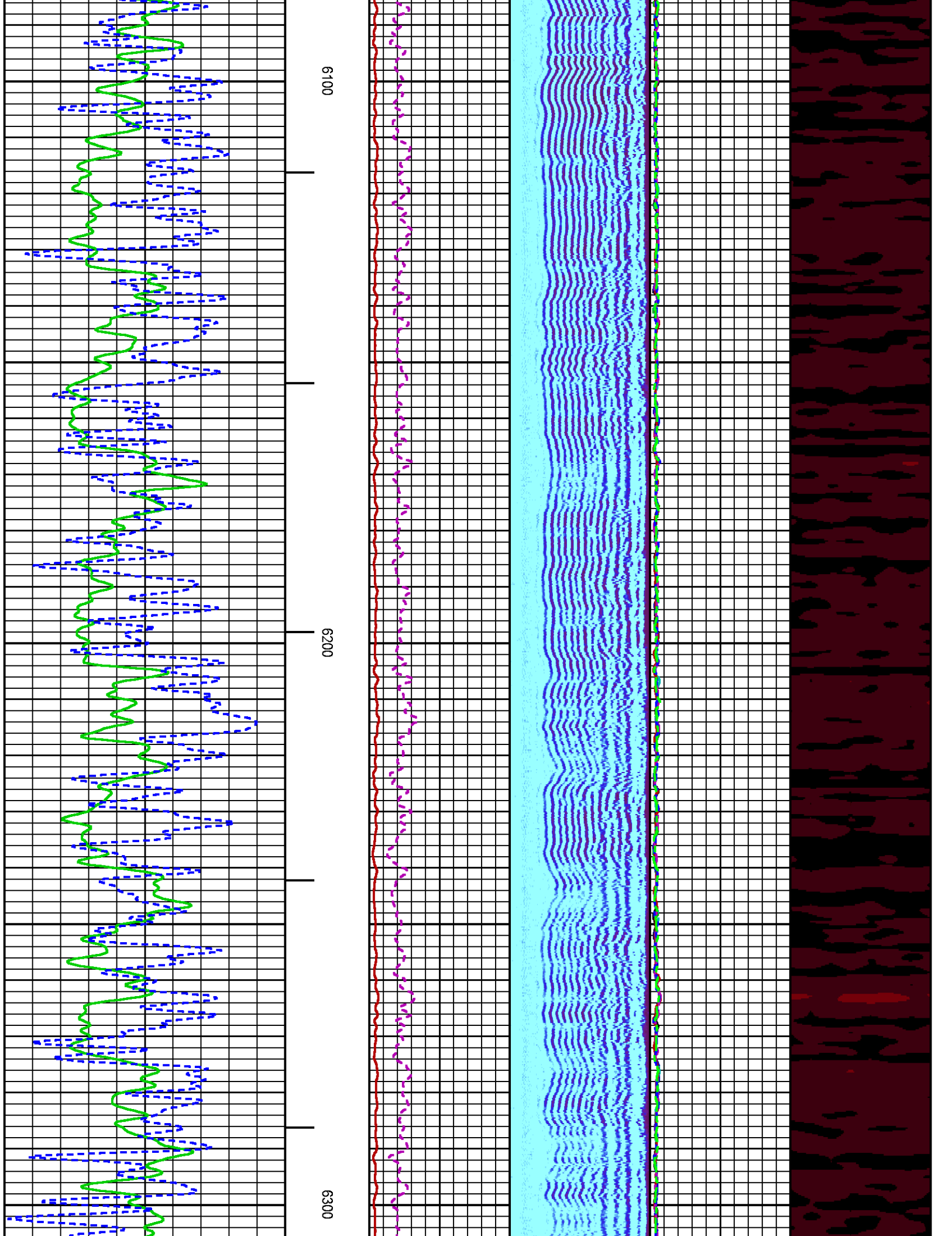


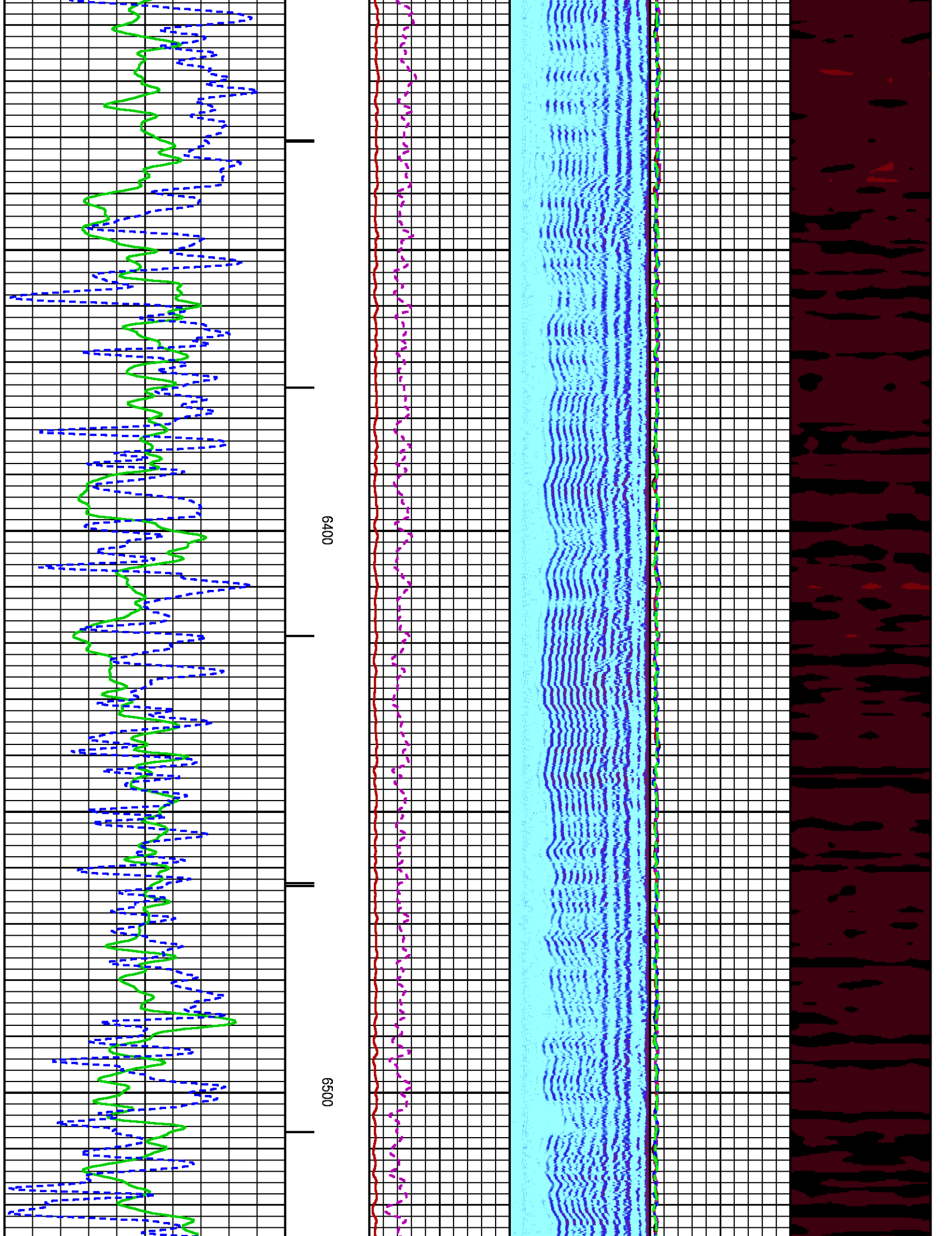


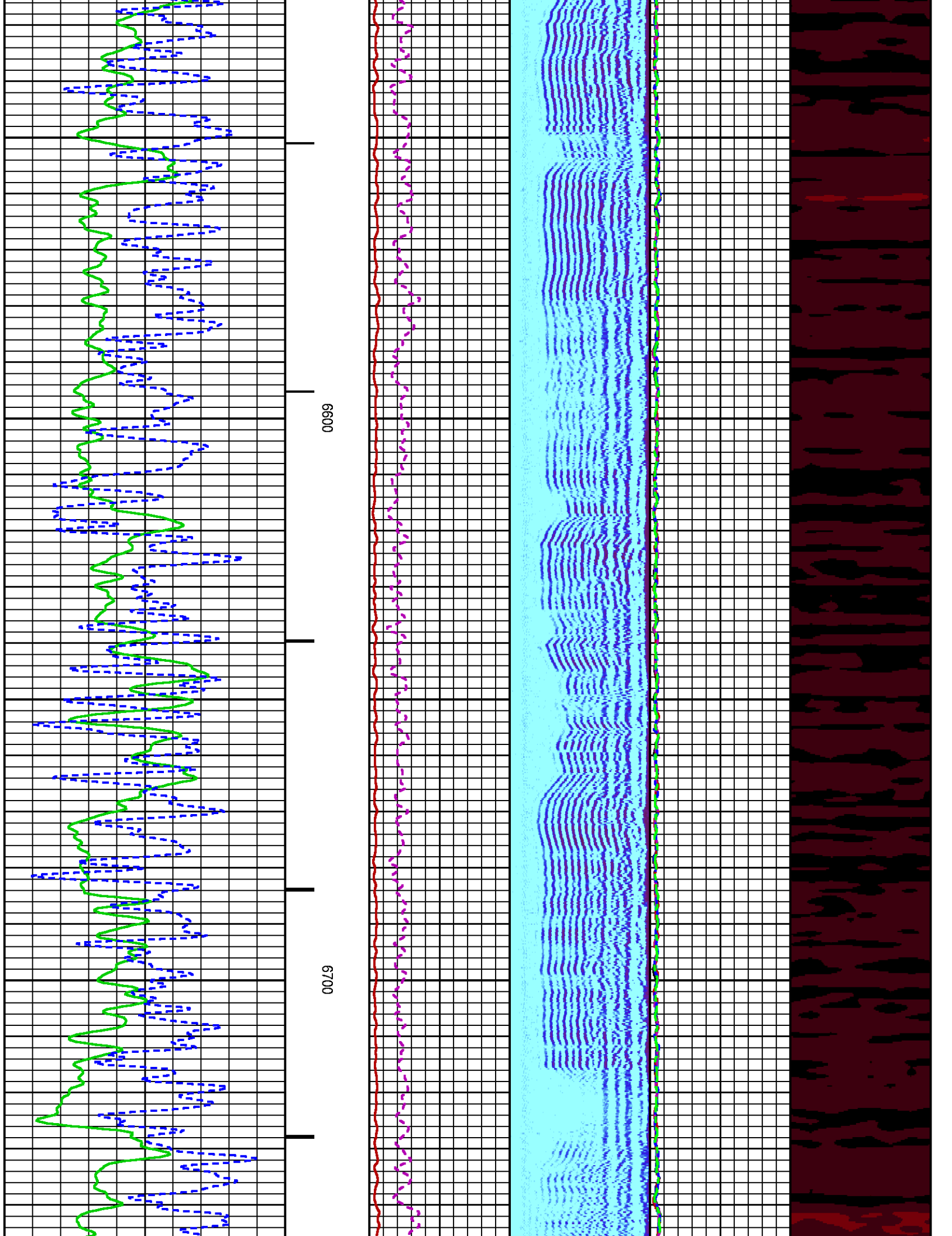


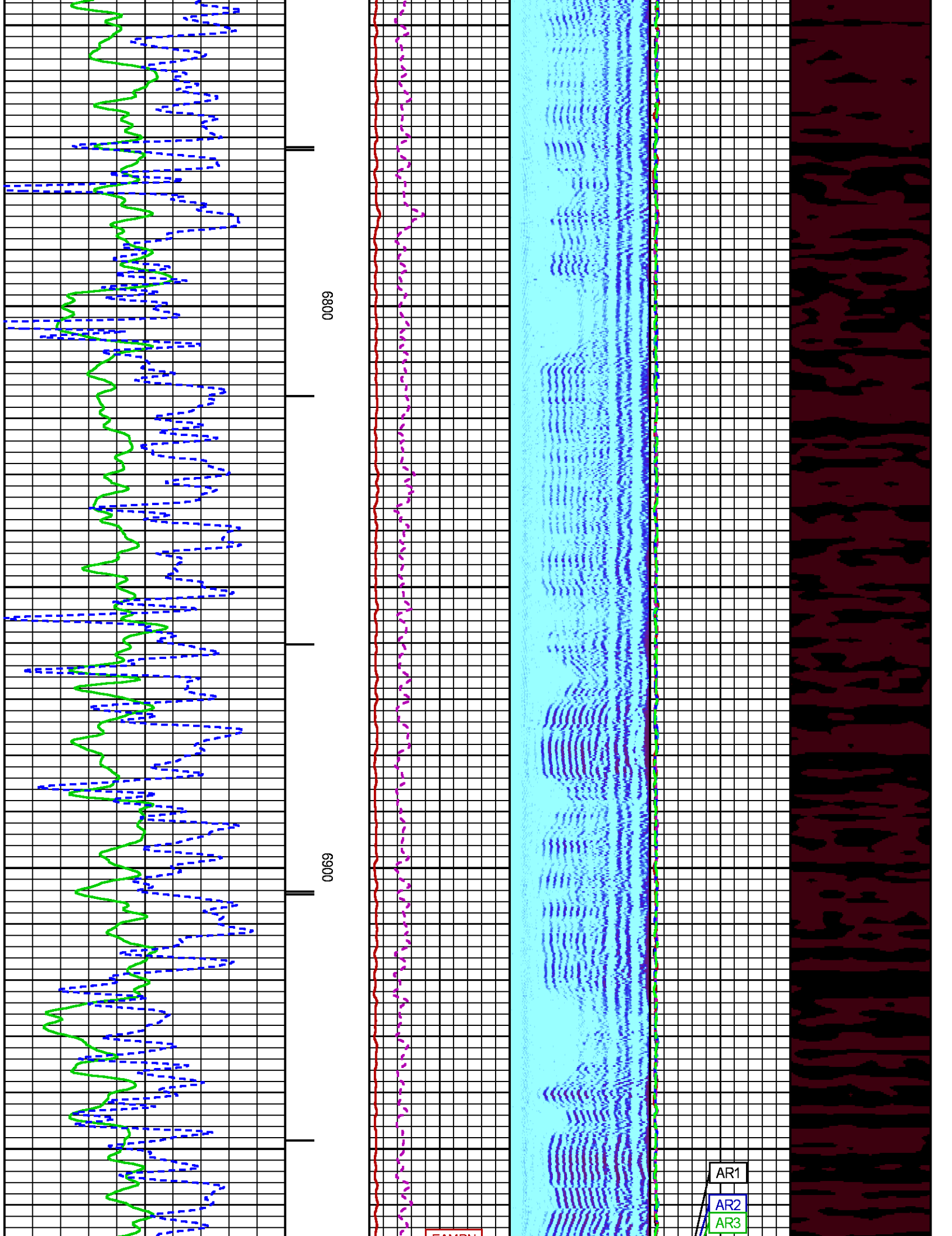


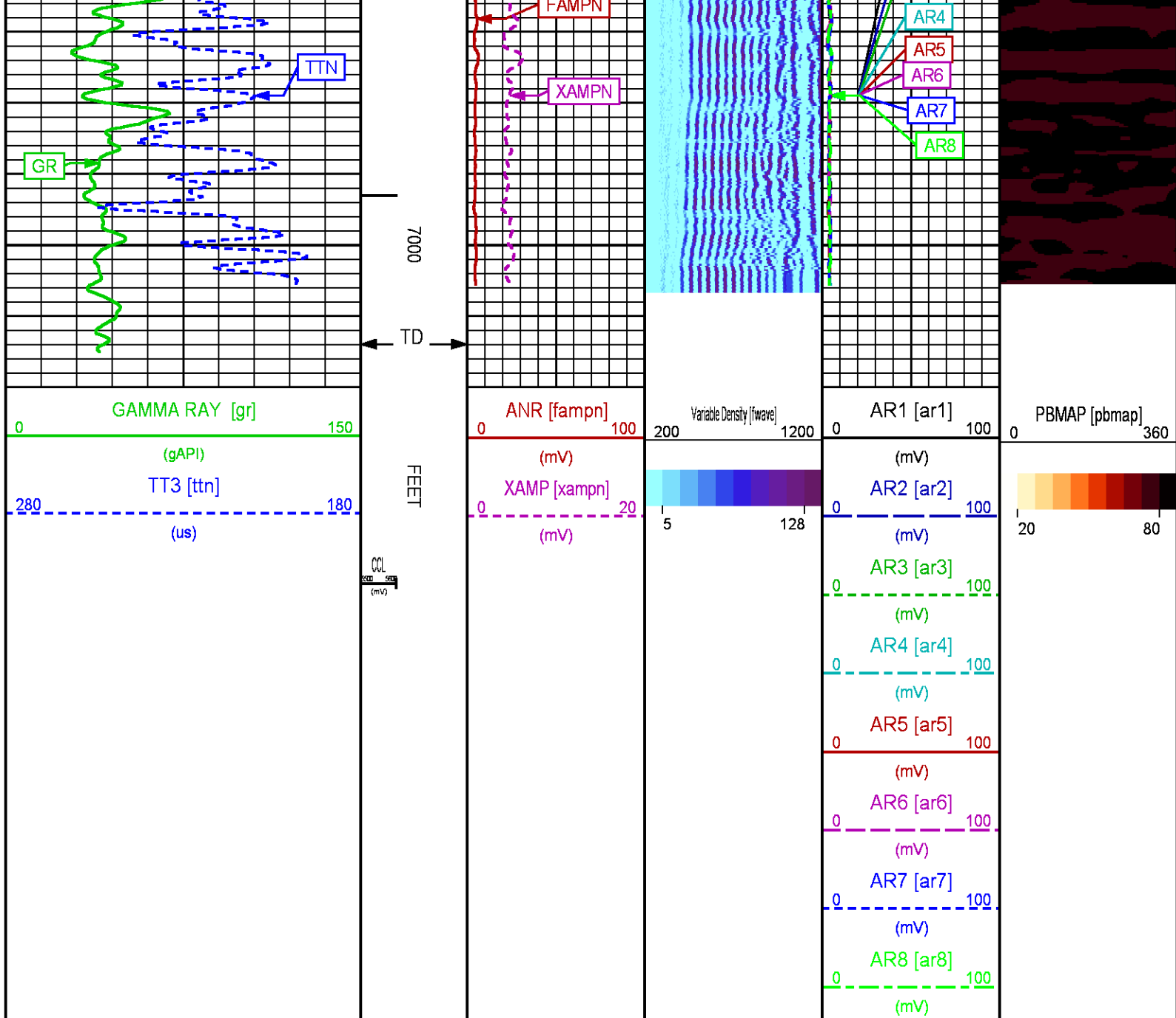












CALIBRATION / VERIFICATION SUMMARY

Source File: C:\dat1a\093342\012g.lp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Sat Dec 27 09:00:14 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)	-0.00	0.07	0.02	0.11	-0.05	0.17	-0.02	0.07	0.06	0.98	0.00

AMP FLUID (mV)	87	86	86	86	86	86	87	87	87	115	85
TT (us)	216	219	218	215	217	216	217	217	219	327	219
M FACTOR	1.15	1.17	1.17	1.16	1.16	1.16	1.15	1.15	1.16	1.31	1.18

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #:	1426XA 10218495	DATE/TIME PERFORMED:	Sat Dec 27 09:01:58 2014	DAYS SINCE CAL:	0
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	0.09	-0.03	0.11	-0.09	0.08	0.02	-0.05	-0.02	-0.01	0.04	-0.03
AMP AIR	4.34	4.71	4.01	4.56	4.67	4.55	4.16	4.50	4.16	6.44	100.65

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.18	0.00	0.99

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

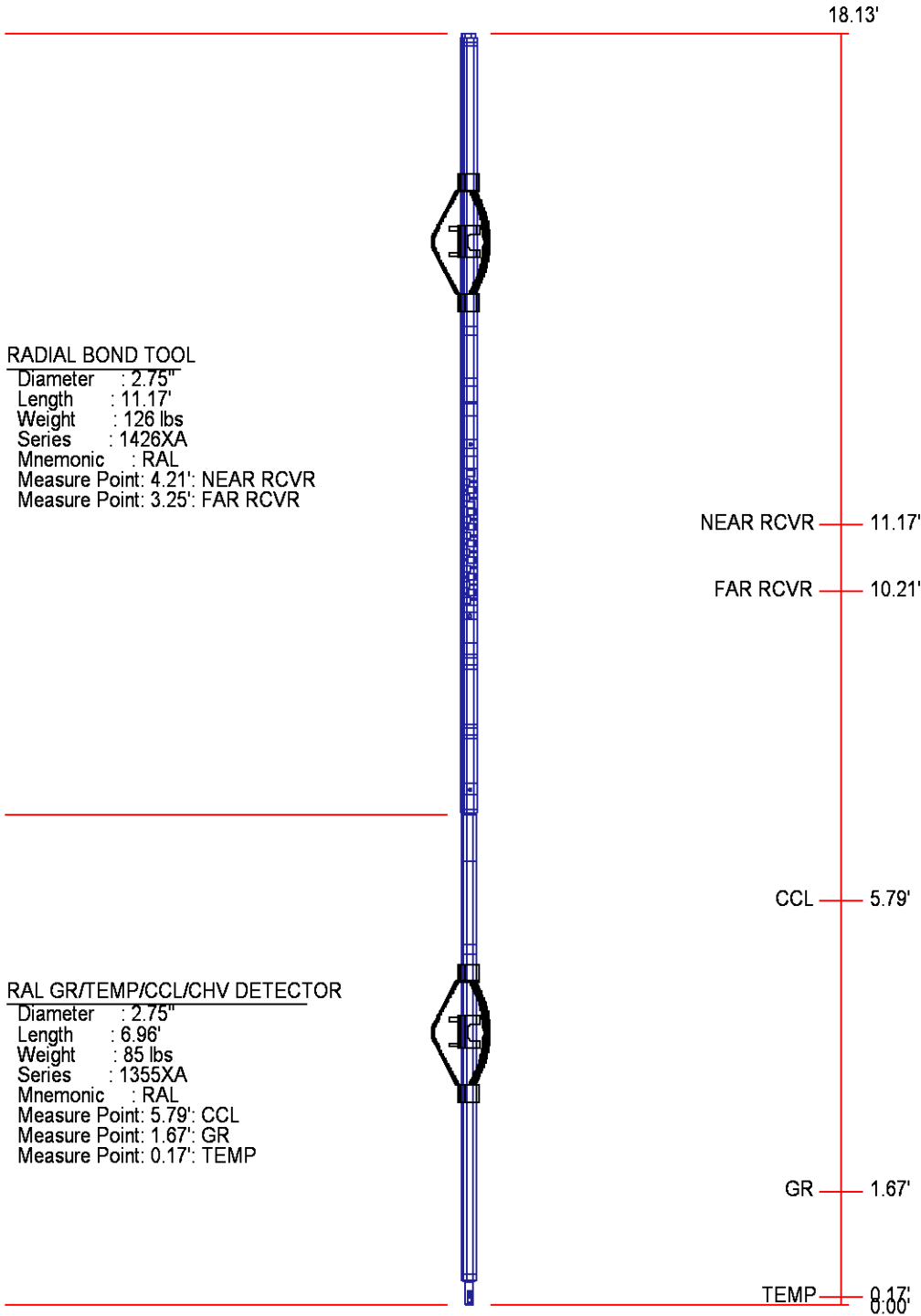
	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	164.98	742.44	0.315	51.91	233.59	181.69
						175.00 195.00

TEMP PRIMARY CALIBRATION SUMMARY

TOOL #:	1355XA 10580209	DATE/TIME PERFORMED:	Fri Dec 12 13:58:01 2014
UNIT #:	3885TD Z004271		

	T(0)	T(1)	T(2)	T(3)
Corr Coeff for Temp	0.000000E+00	1.000000E-01	0.000000E+00	0.000000E+00


INSTRUMENT CONFIGURATION



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

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

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

	COMPANY <u>WPX ENERGY</u>		FILE NO:
	WELL <u>GM 342-12</u>		<u>CH093342</u>
	FIELD <u>GRAND VALLEY</u>		API NO:
	COUNTY <u>GARFIELD</u>	STATE <u>COLORADO</u>	<u>05045224650000</u>
LOCATION:		ELEVATIONS:	12 7S 96W
SHL: 1186' FNL & 1918' FWL		KB 5151 FT	GM 21-12 PAD
BHL: 1599' FNL & 1139' FEL (SENE)		DF	NABORS 573
SEC 12 TWP 7S RGE 96W		GL 5125 FT	
		DATE 27 Dec 2014	

