



FILE NO: CH088608	COMPANY WELL FIELD COUNTY	WPX ENERGY HICKS PA 34-6 PARACHUTE GARFIELD	STATE CO
API NO: 05045224100000			

Ver. 3.87 6 7S 95W PA 24-6 PAD AZTEC 1000	LOCATION: SHL: 793' FSL & 2224' FWL BHL: 1138' FSL & 1890' FEL SEC 6 TWP 7S RGE 95W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB ELEVATION 25 FT ABOVE P.D. ELEVATIONS: KB 5160 FT DF GL 5135 FT
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DATE	22-Jul-2014
RUN	1
SERVICE ORDER	US088608
DEPTH DRILLER	6651 FT
DEPTH LOGGER	6631 FT
BOTTOM LOGGED INTERVAL	6621 FT
TOP LOGGED INTERVAL	25 FT
TIME STARTED	9:30
TIME FINISHED	12:30
OPERATOR RIG TIME	3 HOURS
TYPE OF FLUID IN HOLE	WATER
FLUID DENSITY	NA
FLUID SALINITY	NA
FLUID LEVEL	70 FT
LOGGED CEMENT TOP	NA
WELLHEAD PRESSURE	0 PSI
MAXIMUM HOLE DEVIATION	NA
NOMINAL LOGGING SPEED	65 FMIN
MAX. RECORDED TEMP.	211 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	6670
LOCATION	NEWELL
RECORDED BY	DUSTIN WELSH
WITNESSED BY	

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	1295 FT
8.75 IN	1295 FT	6681 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			0 FT	1295 FT
4.5 IN	11.6 LB/F	I-80	0 FT	6681 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 the client's request.

Amount of linear shift is 2 feet.

Logged with 0 PSI at wellhead.

BHT = 211 degF
SJ = 2998' - 3018'

Thank you for choosing Baker Hughes ... The best choice!

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10218496	CENTRALIZED
1	1	GR/CCL	2459XA	10417457	CENTRALIZED

PRIMARY PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 1

Plotted: Tue Jul 22 14:53:16 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/88608/n012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 33.750 ft BOTTOM DEPTH: 6636.750 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*)	175	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-72	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

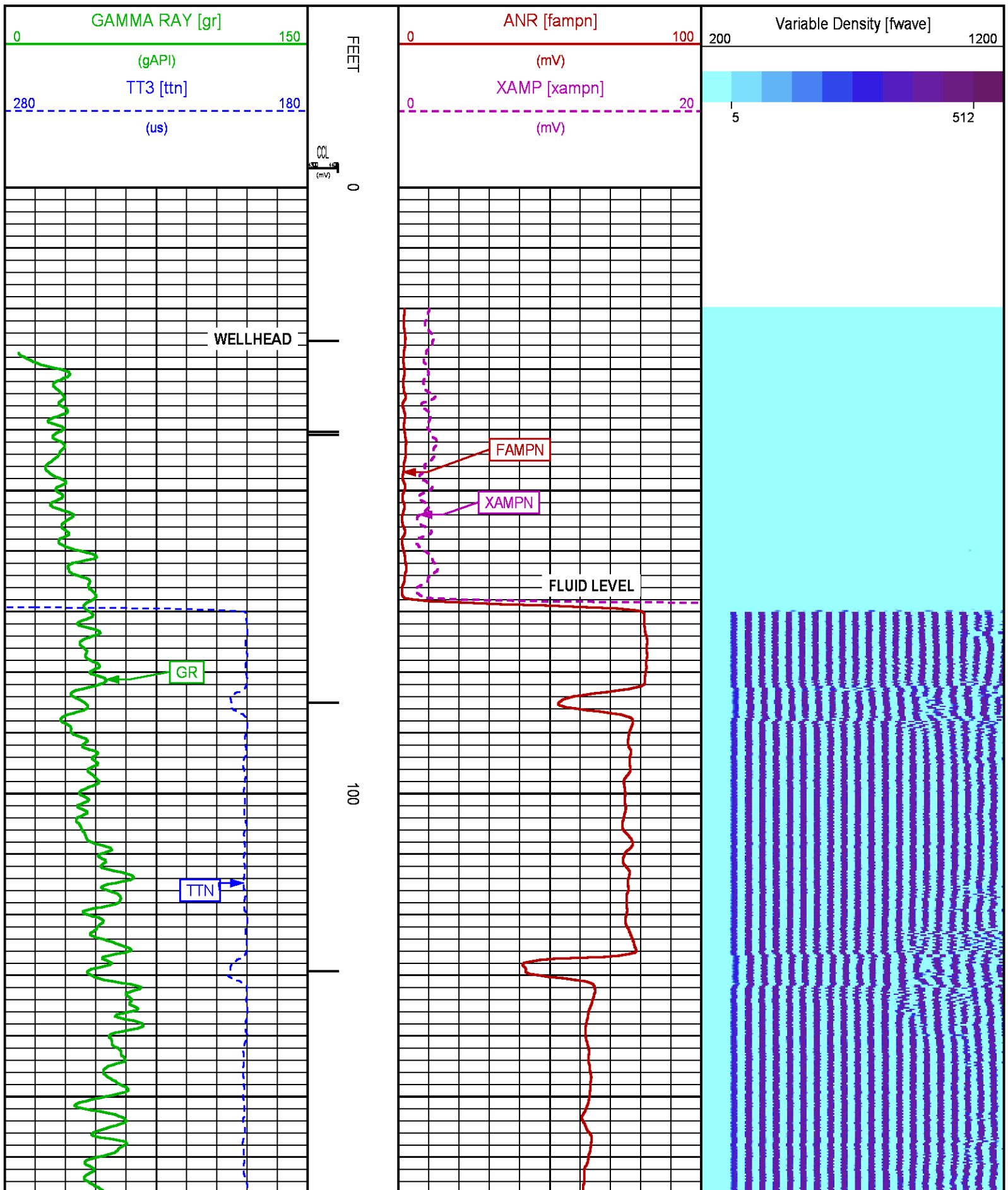
CURVE DESCRIPTION REPORT

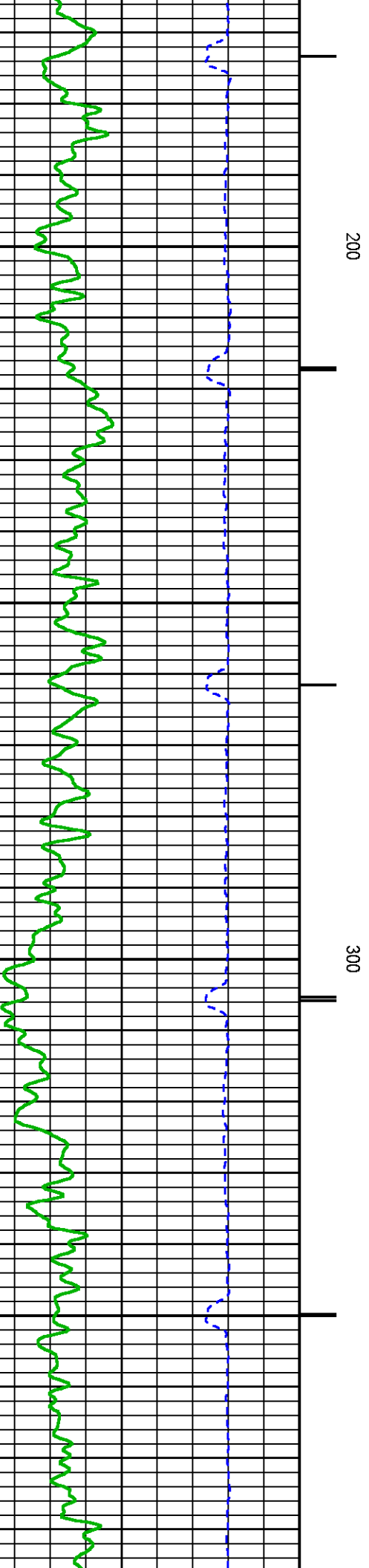
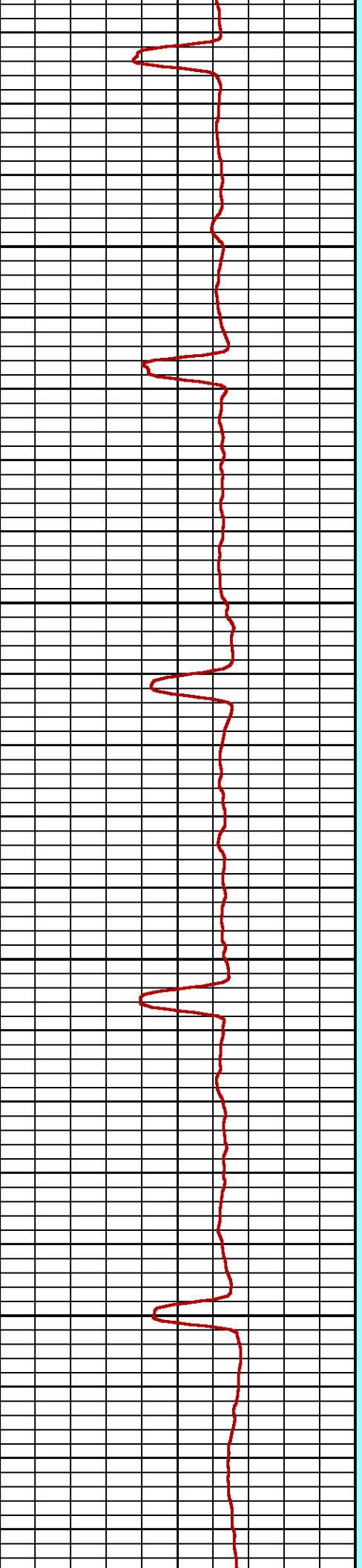
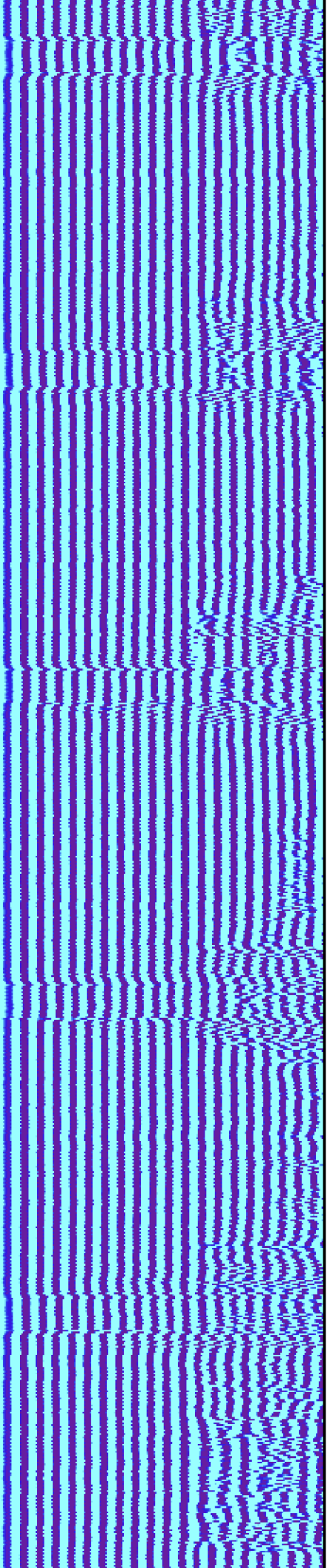
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 22 10:37:16 2014	CASING COLLAR LOCATOR
F1:FAMPN	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 22 10:37:16 2014	FAR WAVE FORM
F1:GR	Jul 22 10:37:16 2014	GAMMA RAY
F1:TTN	Jul 22 10:37:16 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

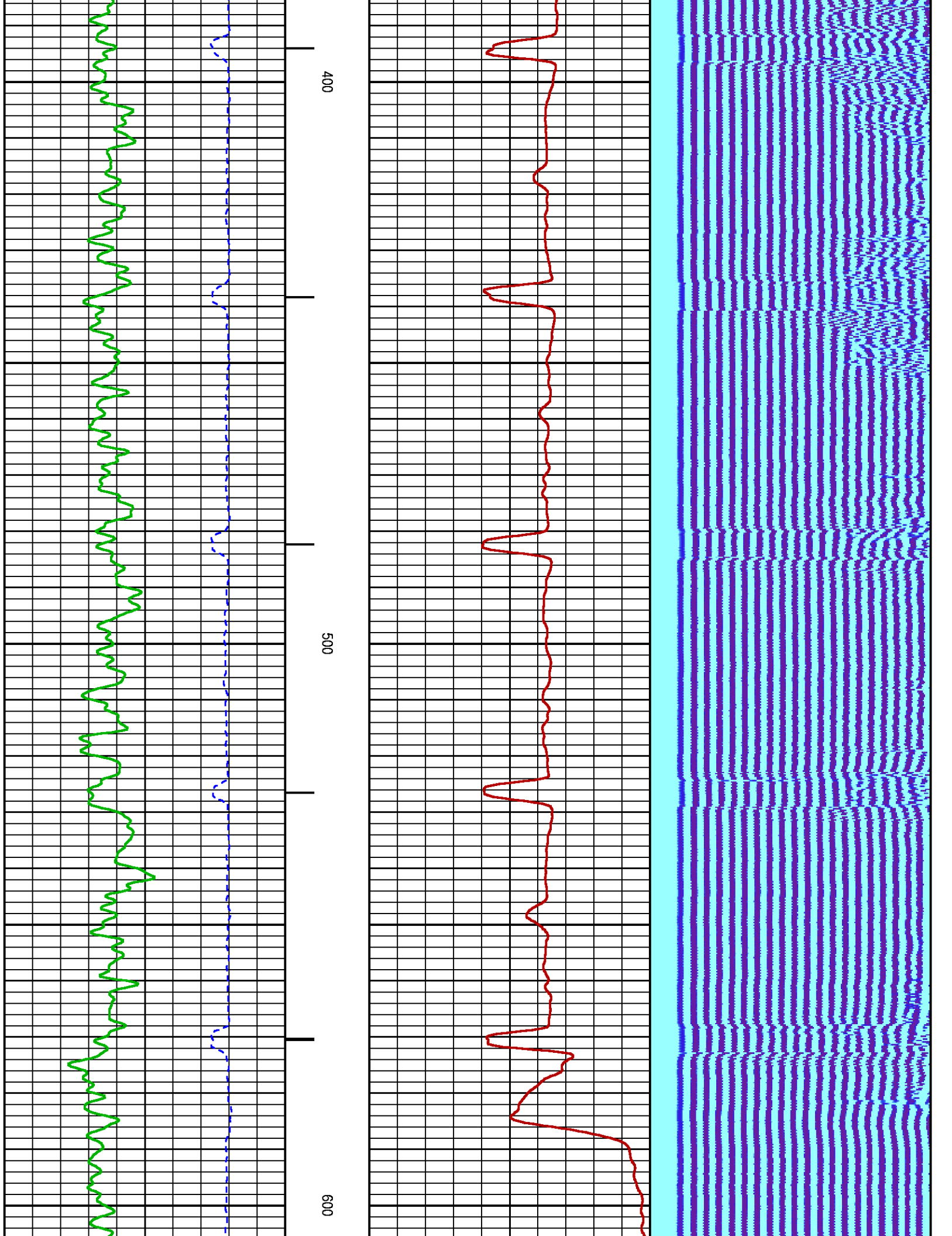
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

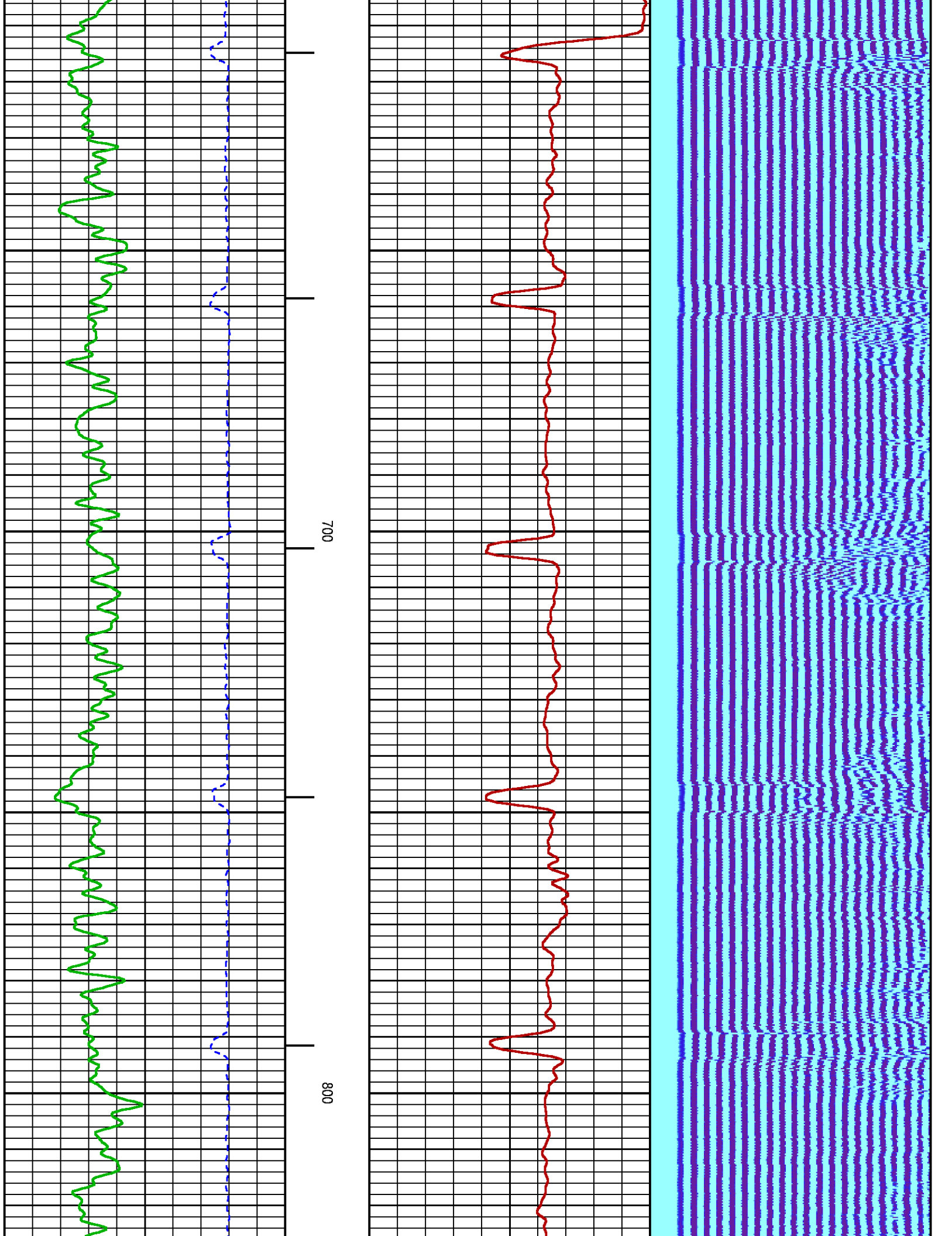
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Plot Interval : 0 - 6636 Feet

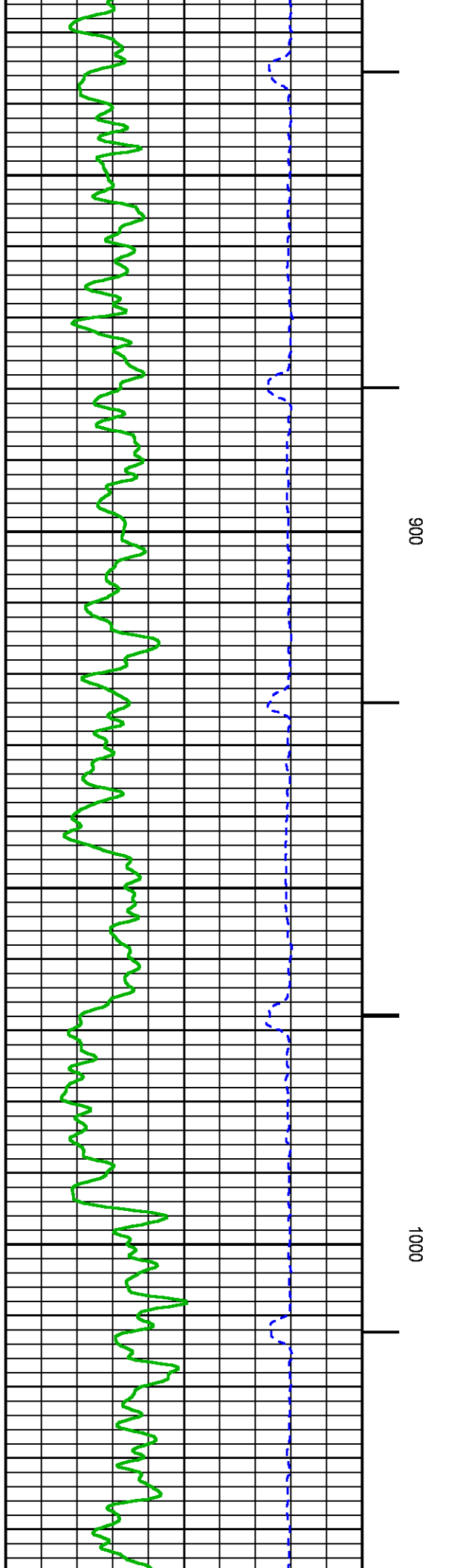
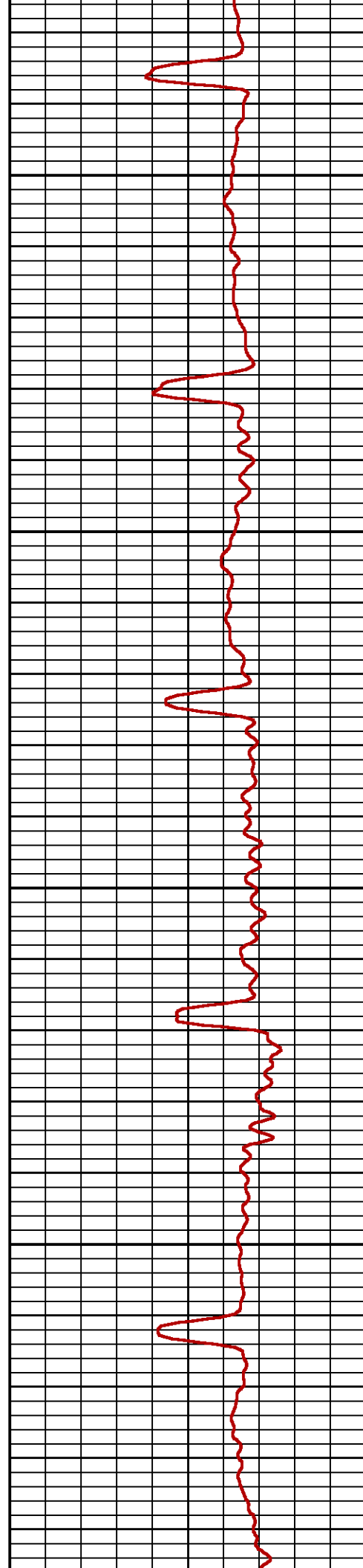
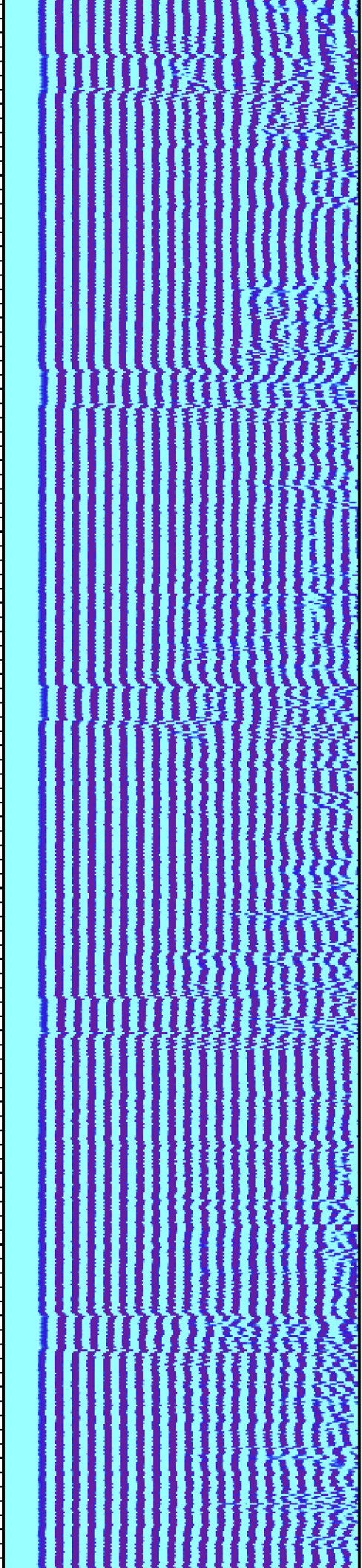
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Created On : Jul 22 10:37:16 2014
Company : WPX ENERGY
Well : HICKS PA 34-6
Field : PARACHUTE
File Interval : 18.75 - 6635.5 Feet
OCT : n012e

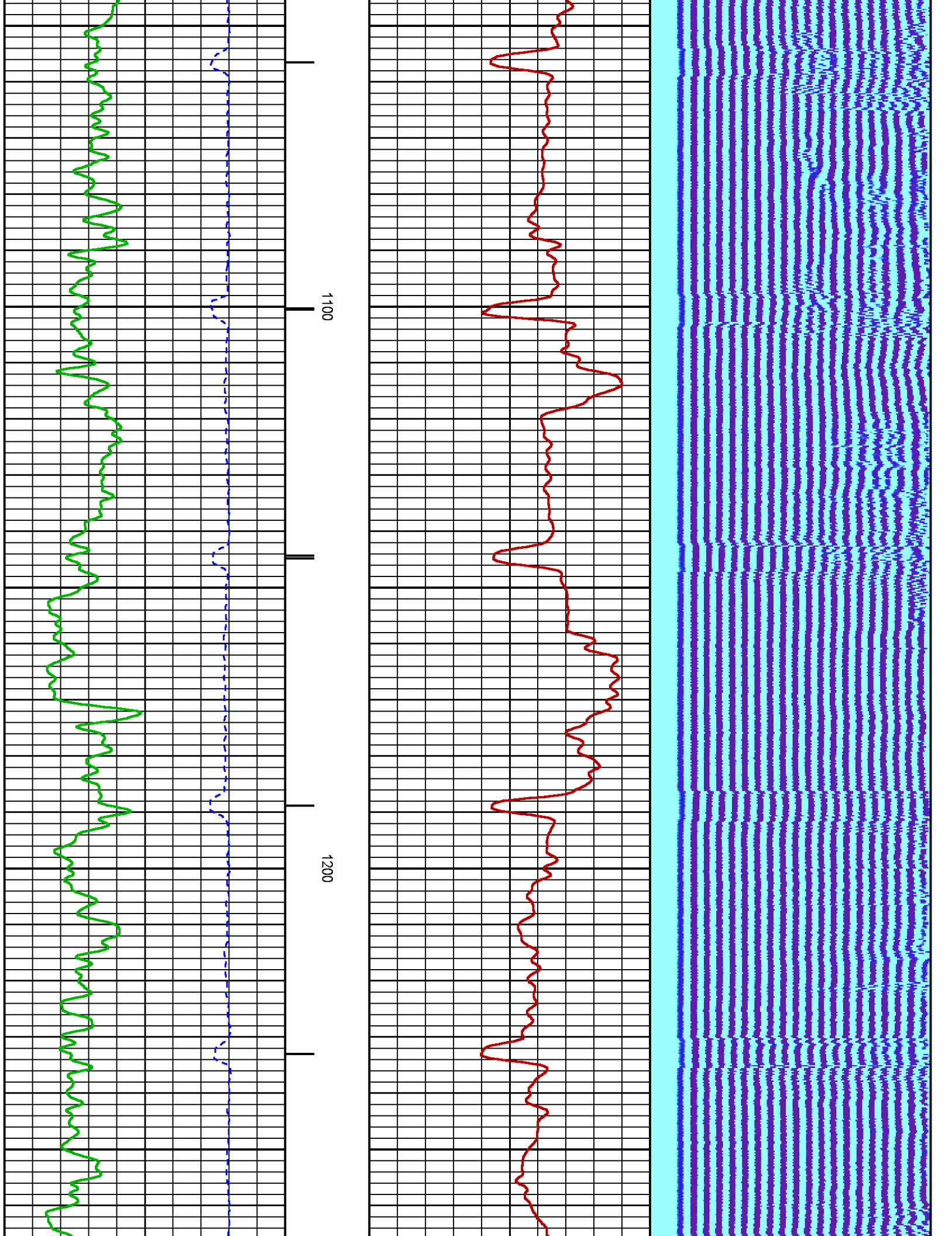


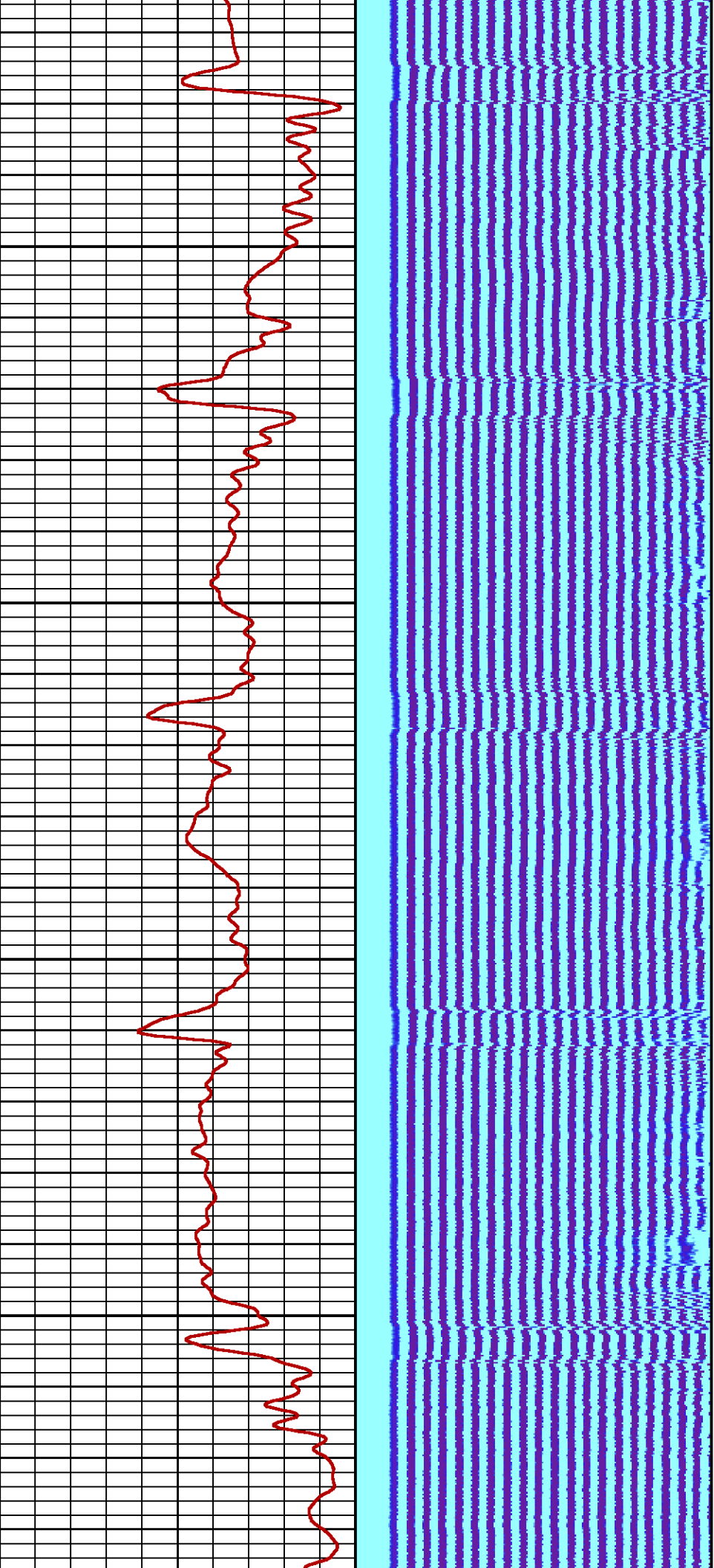






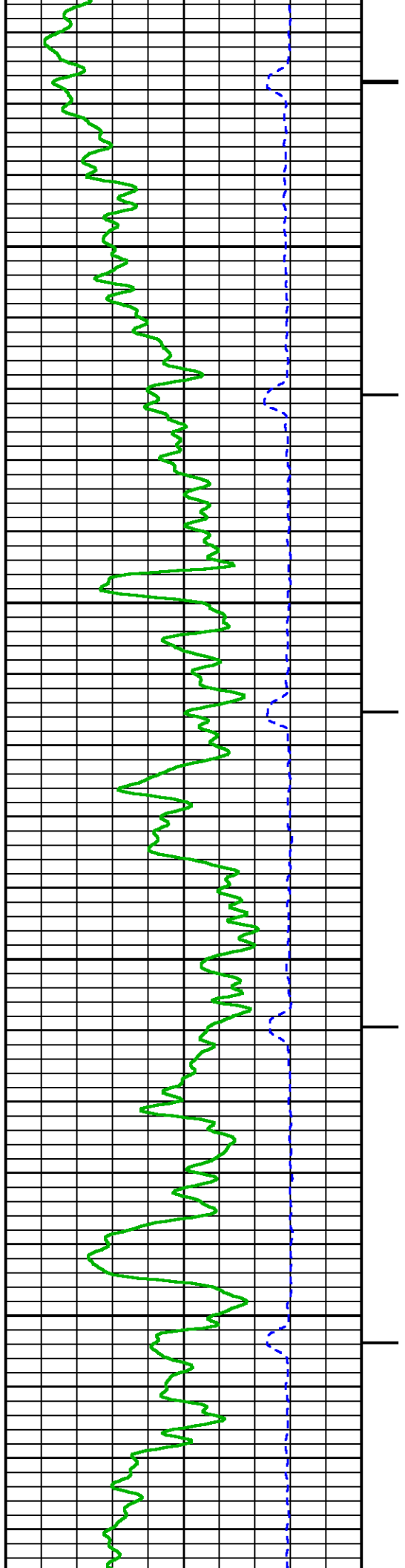


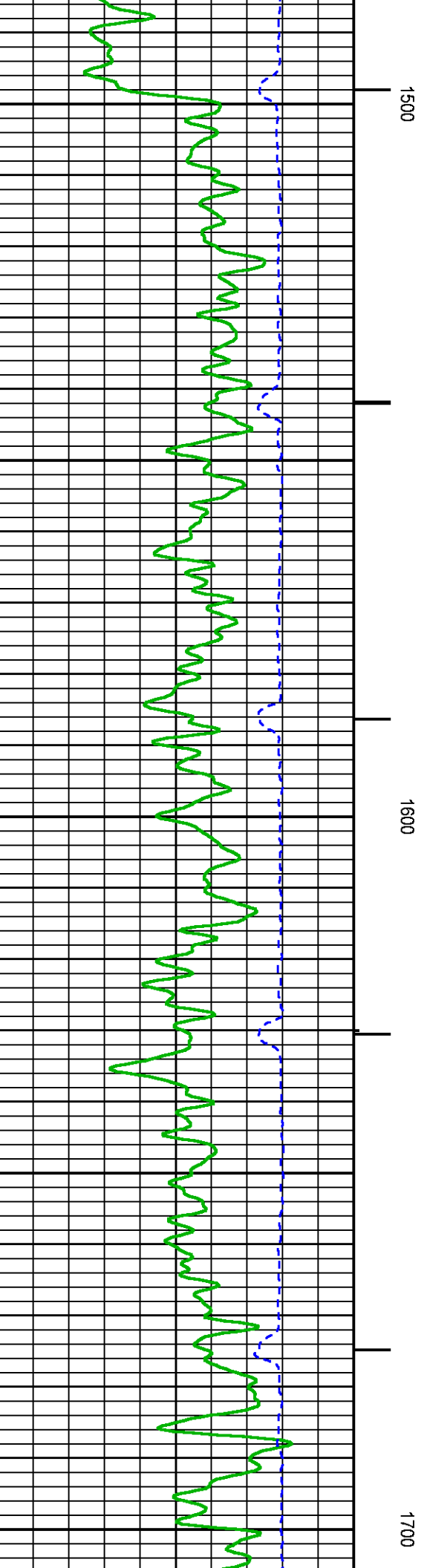
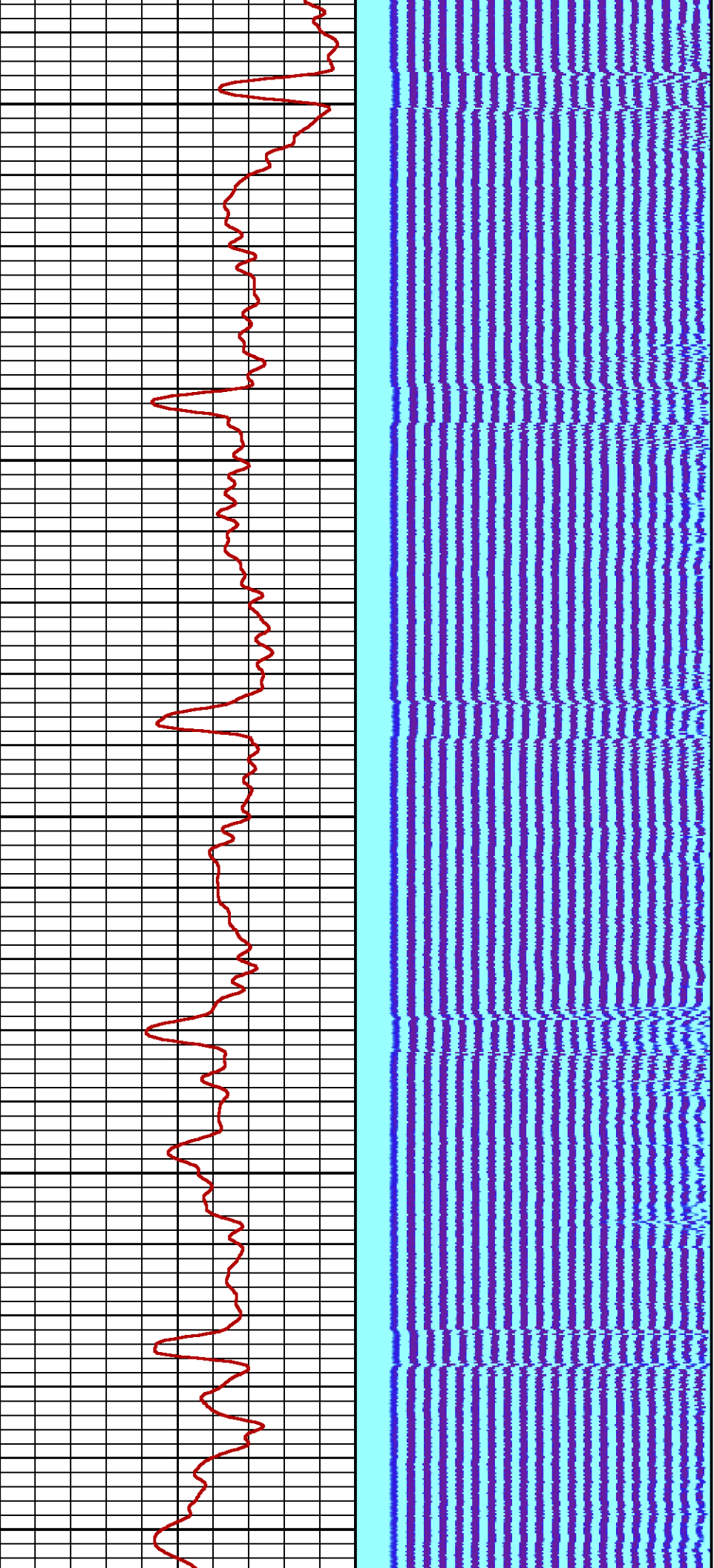


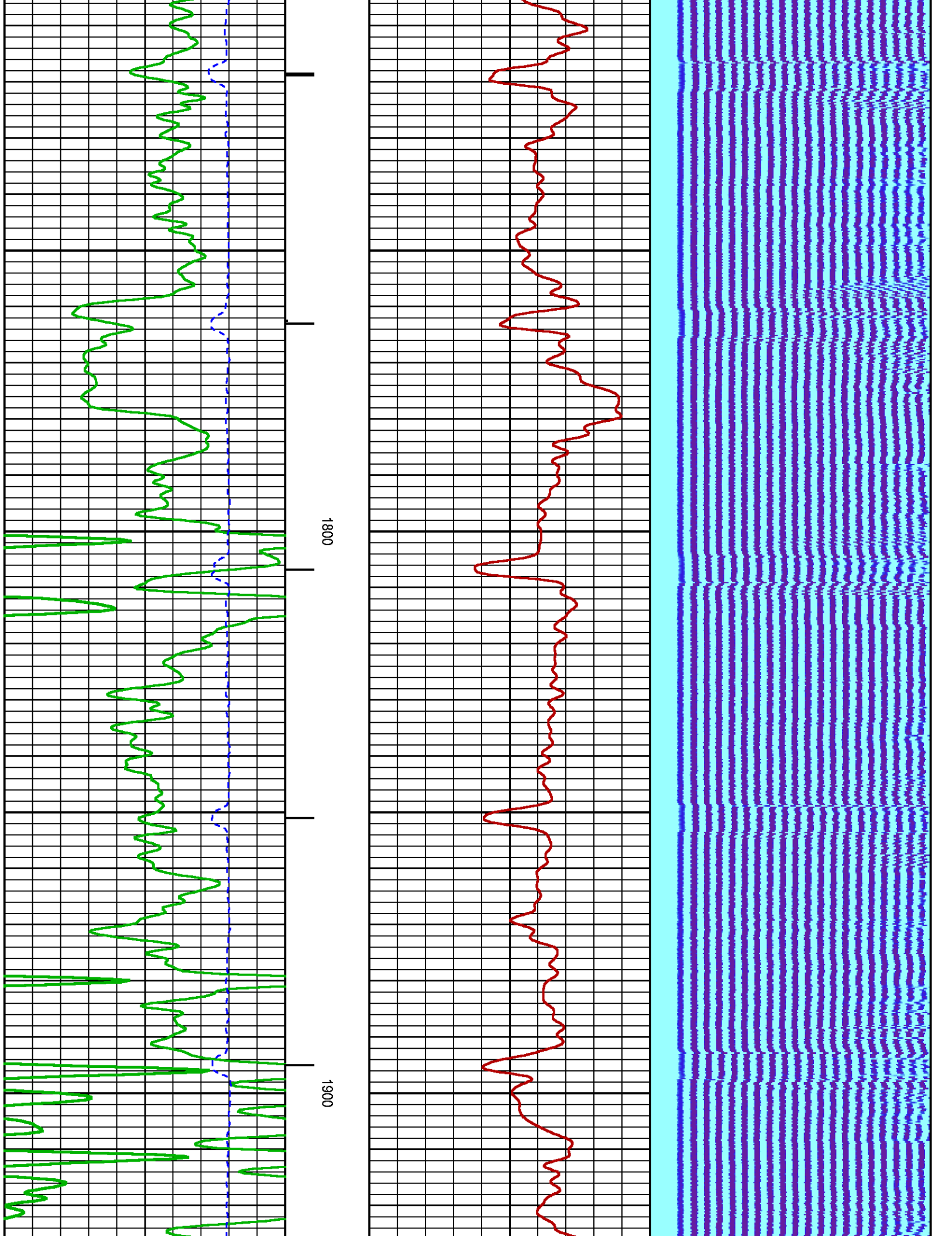


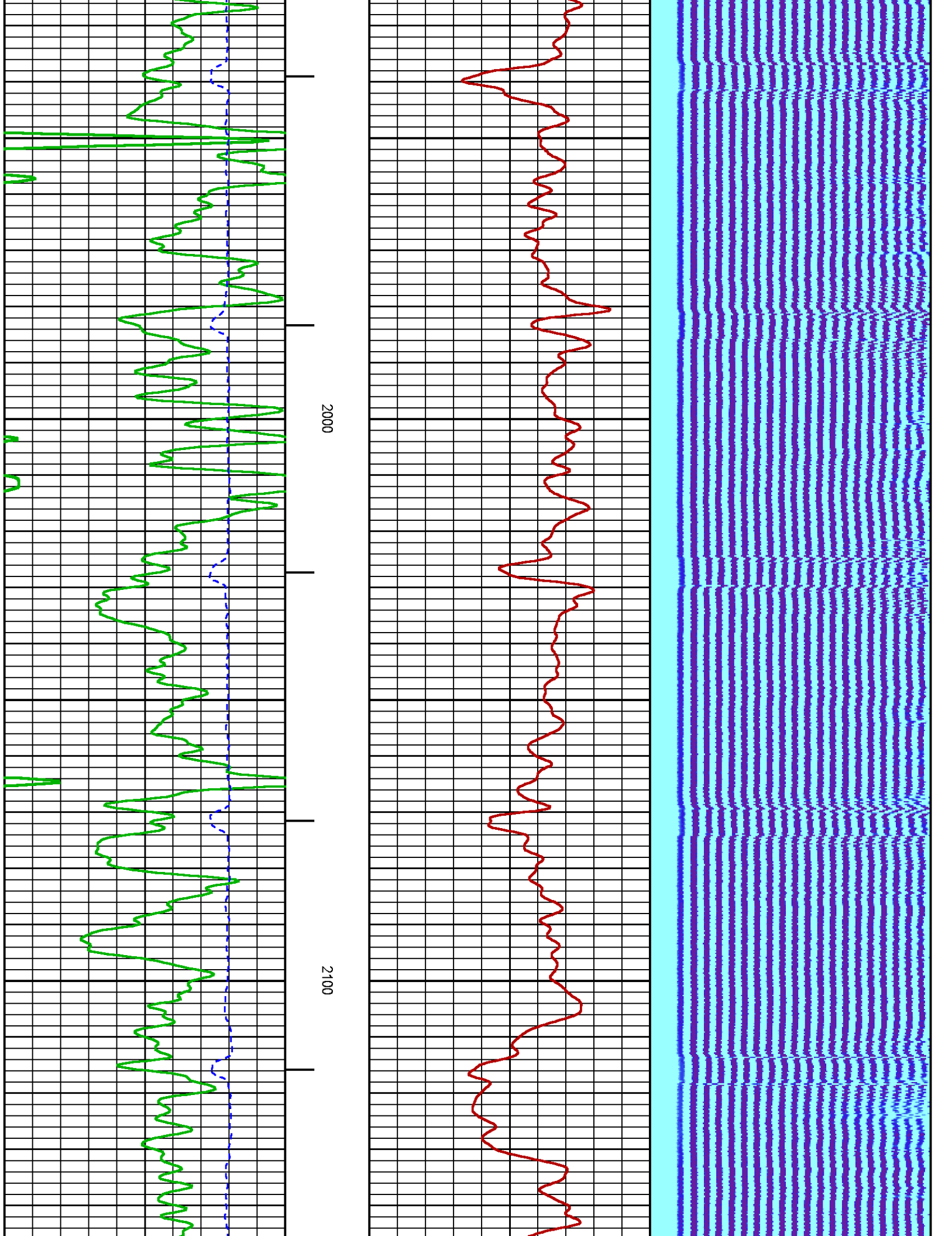
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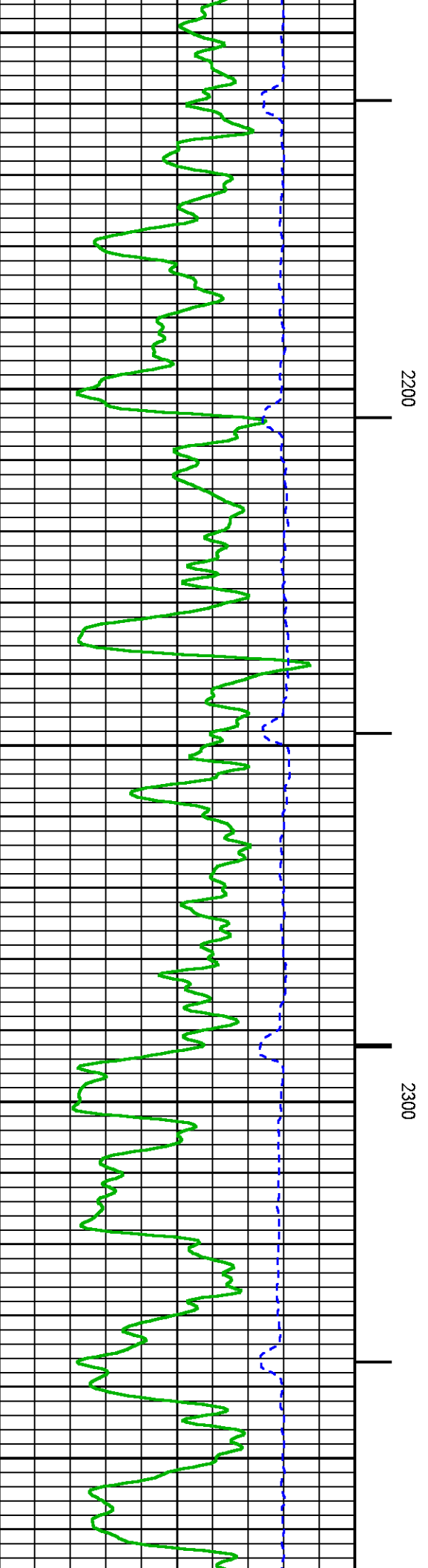
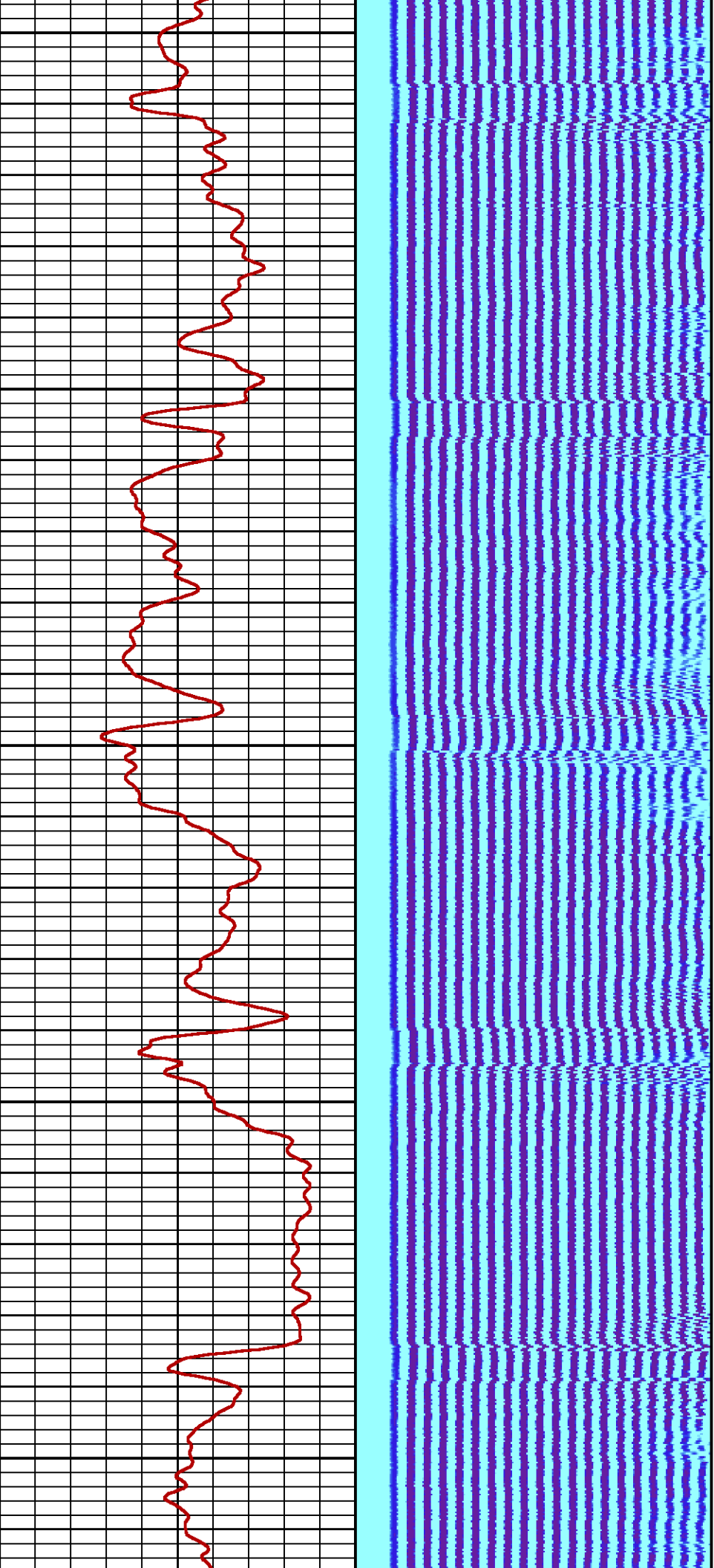
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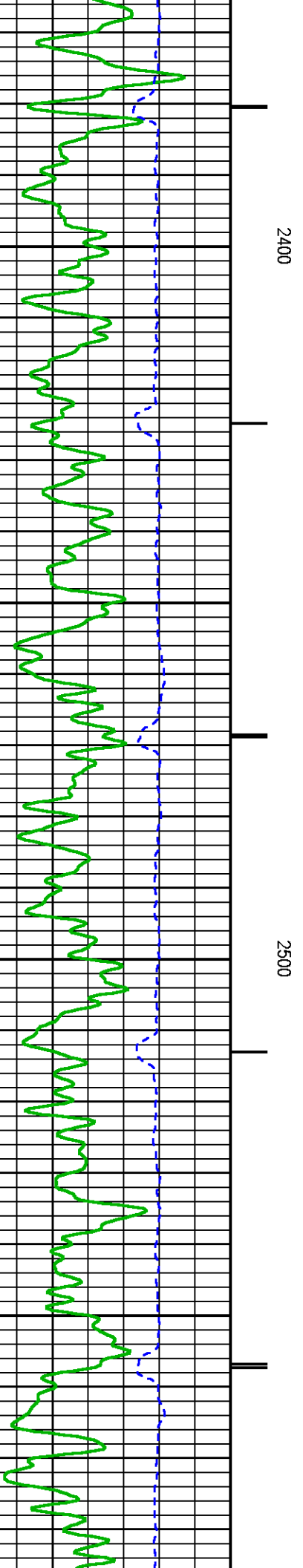
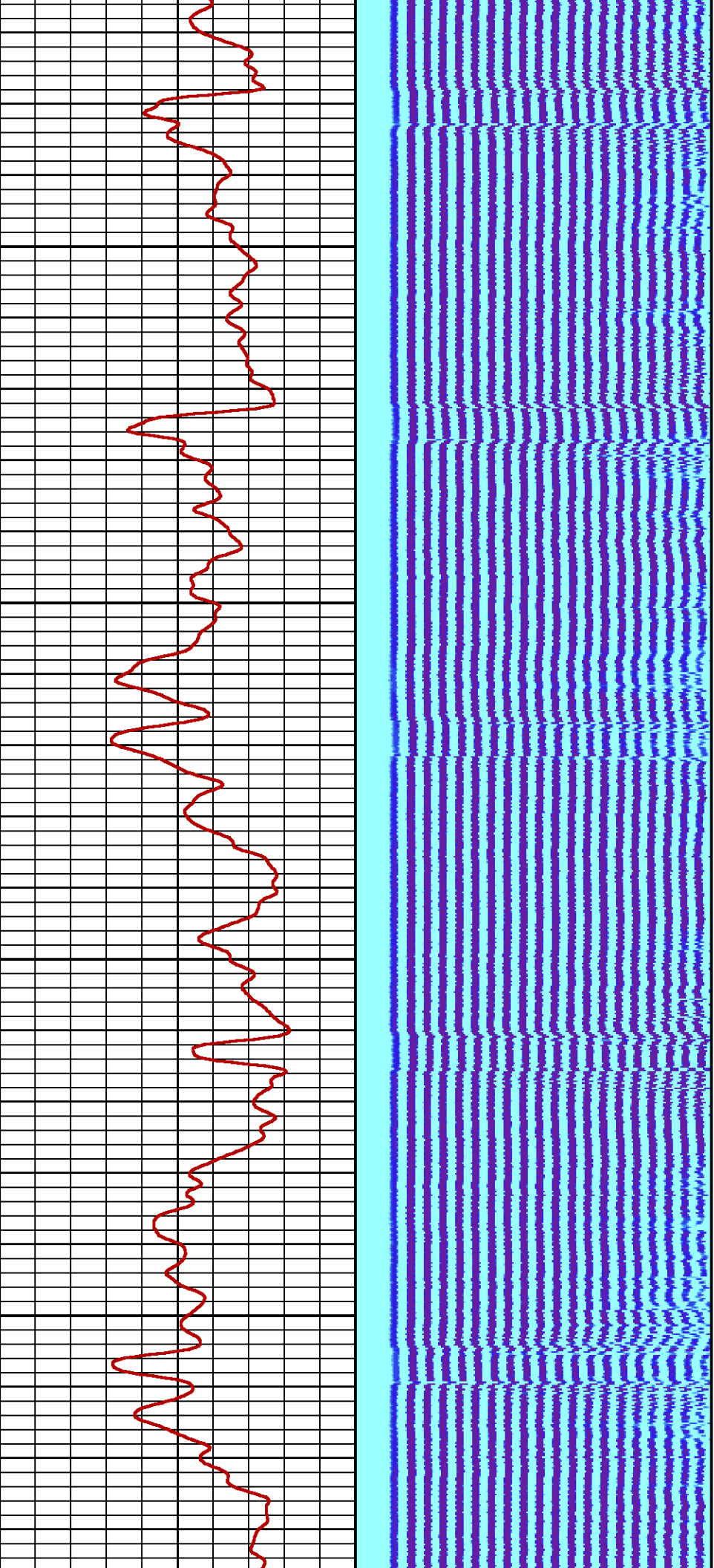






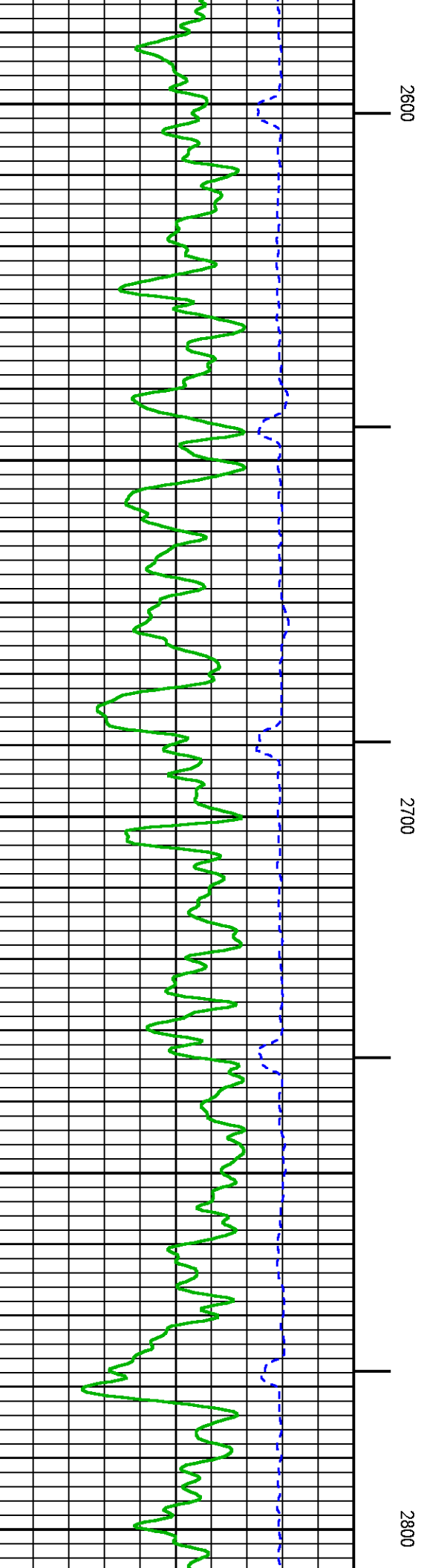
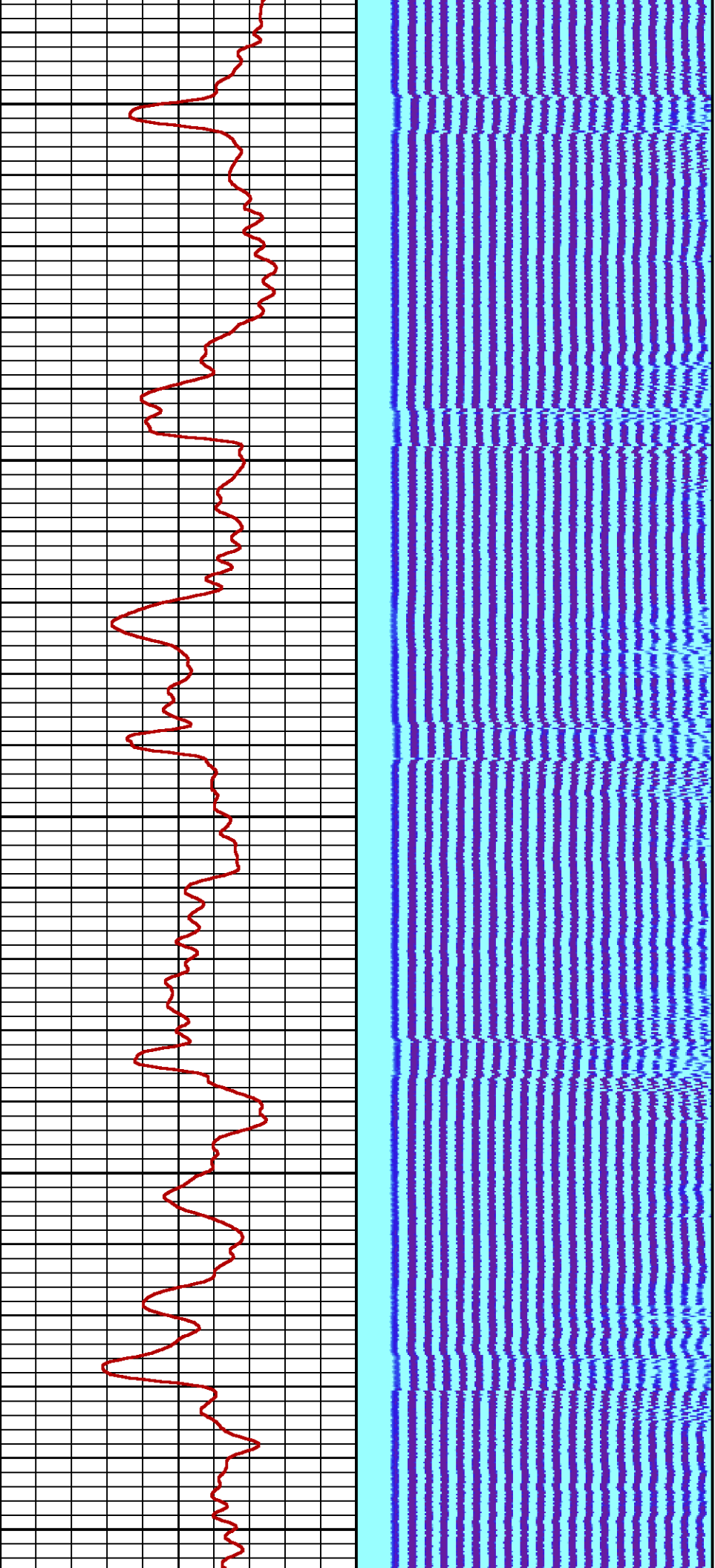


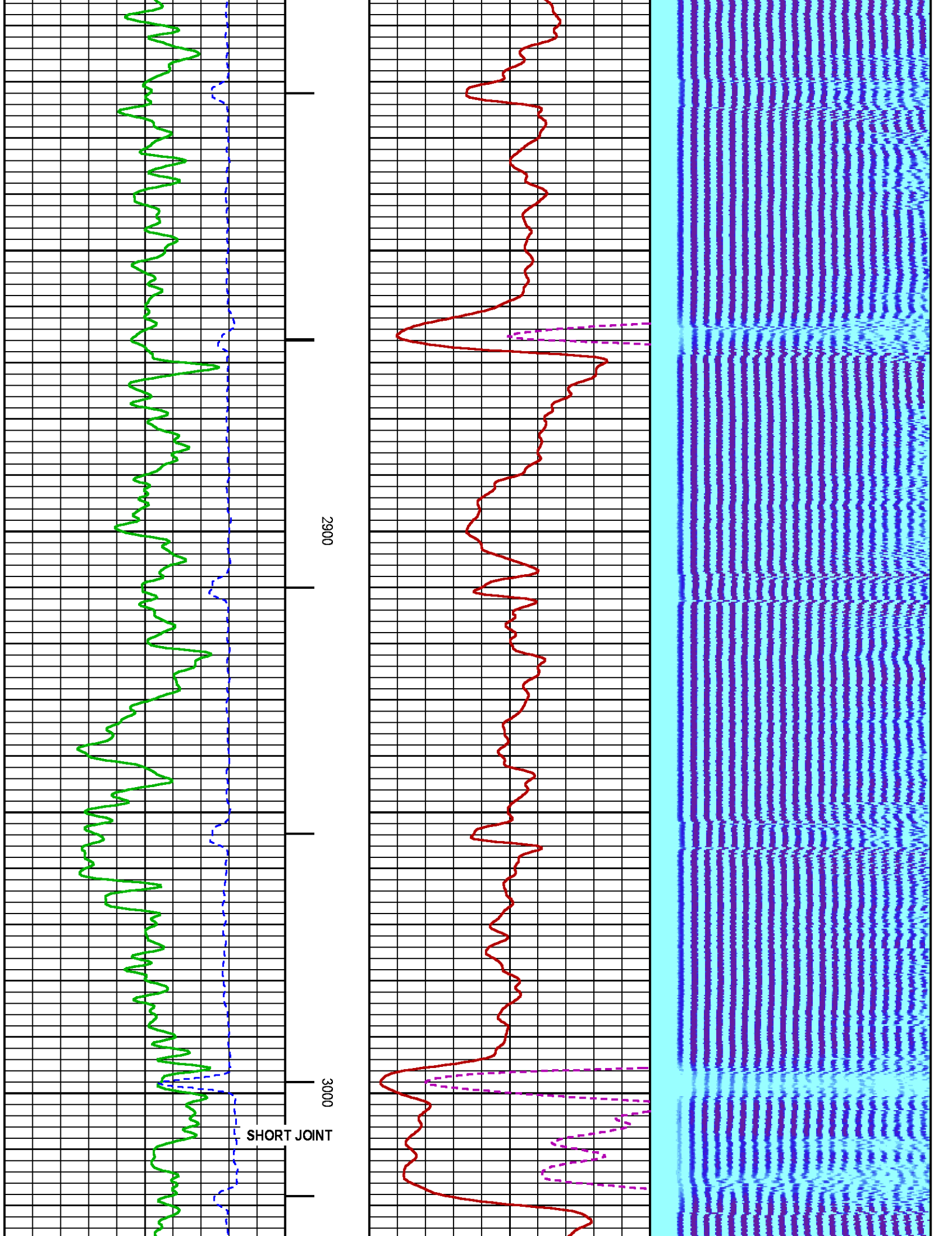


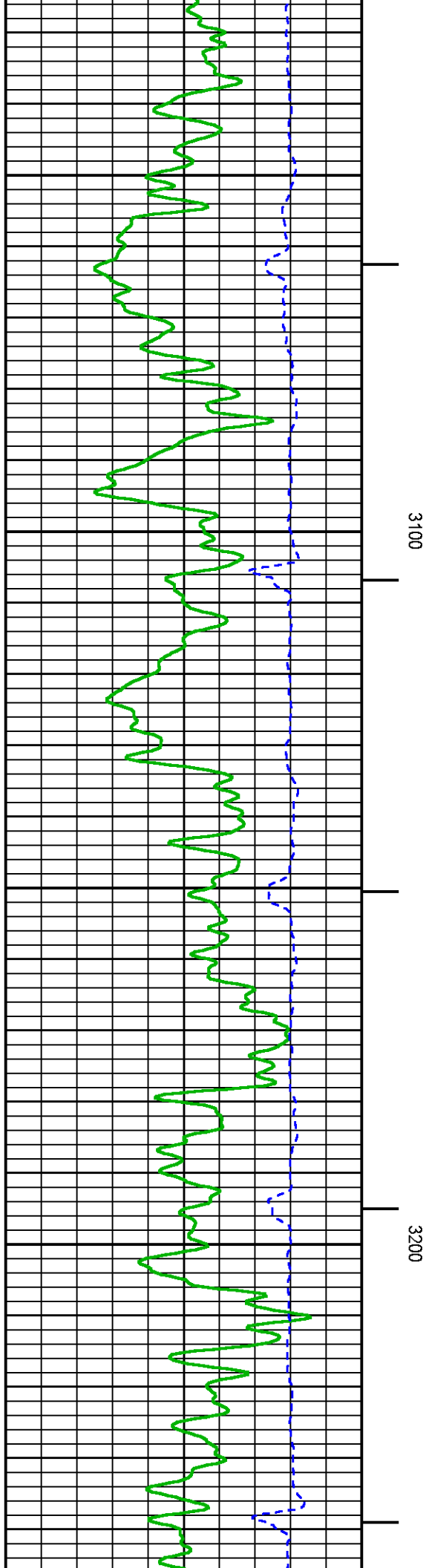
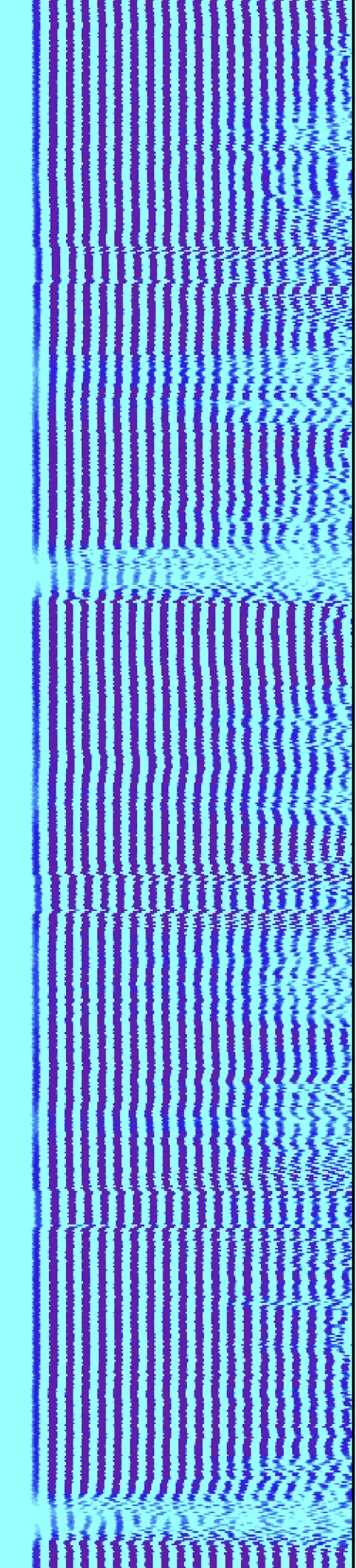
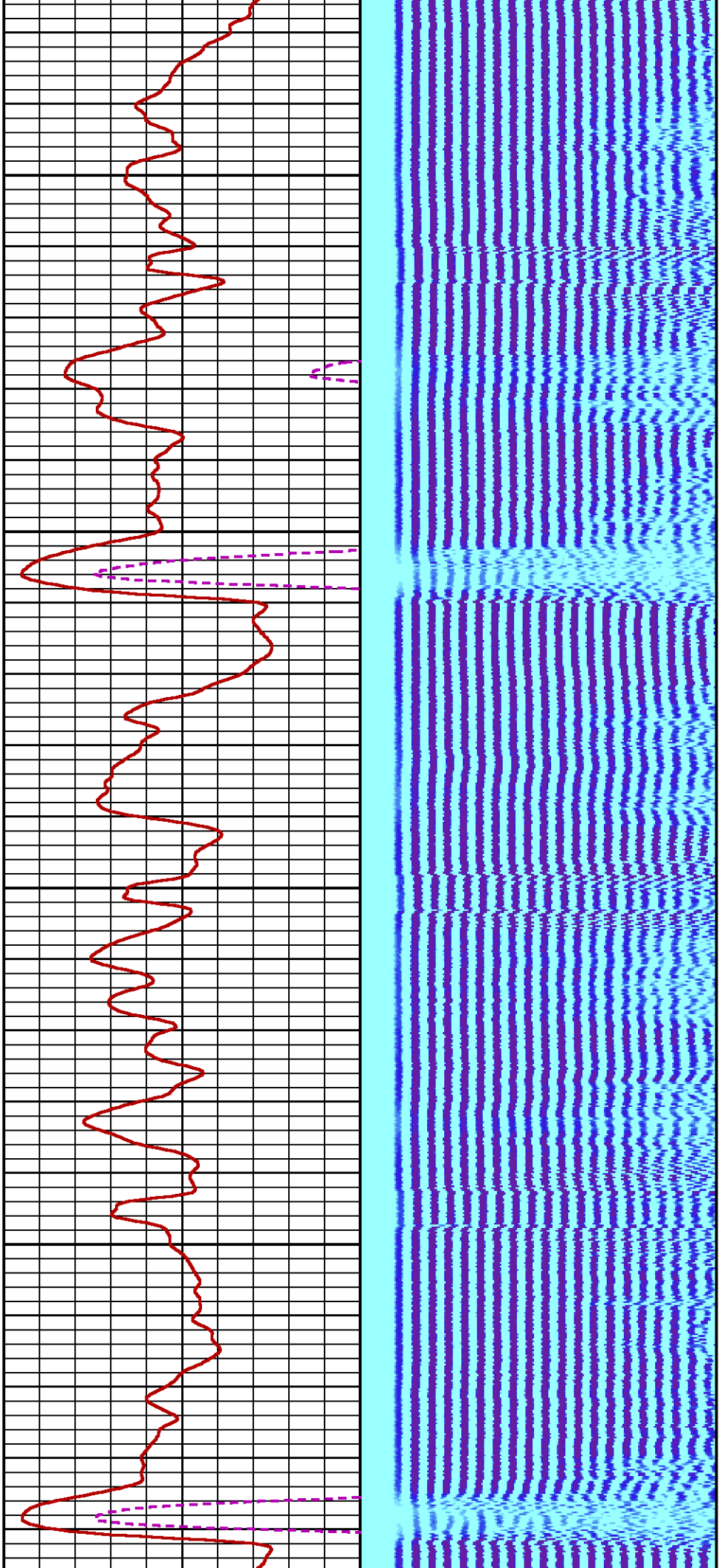


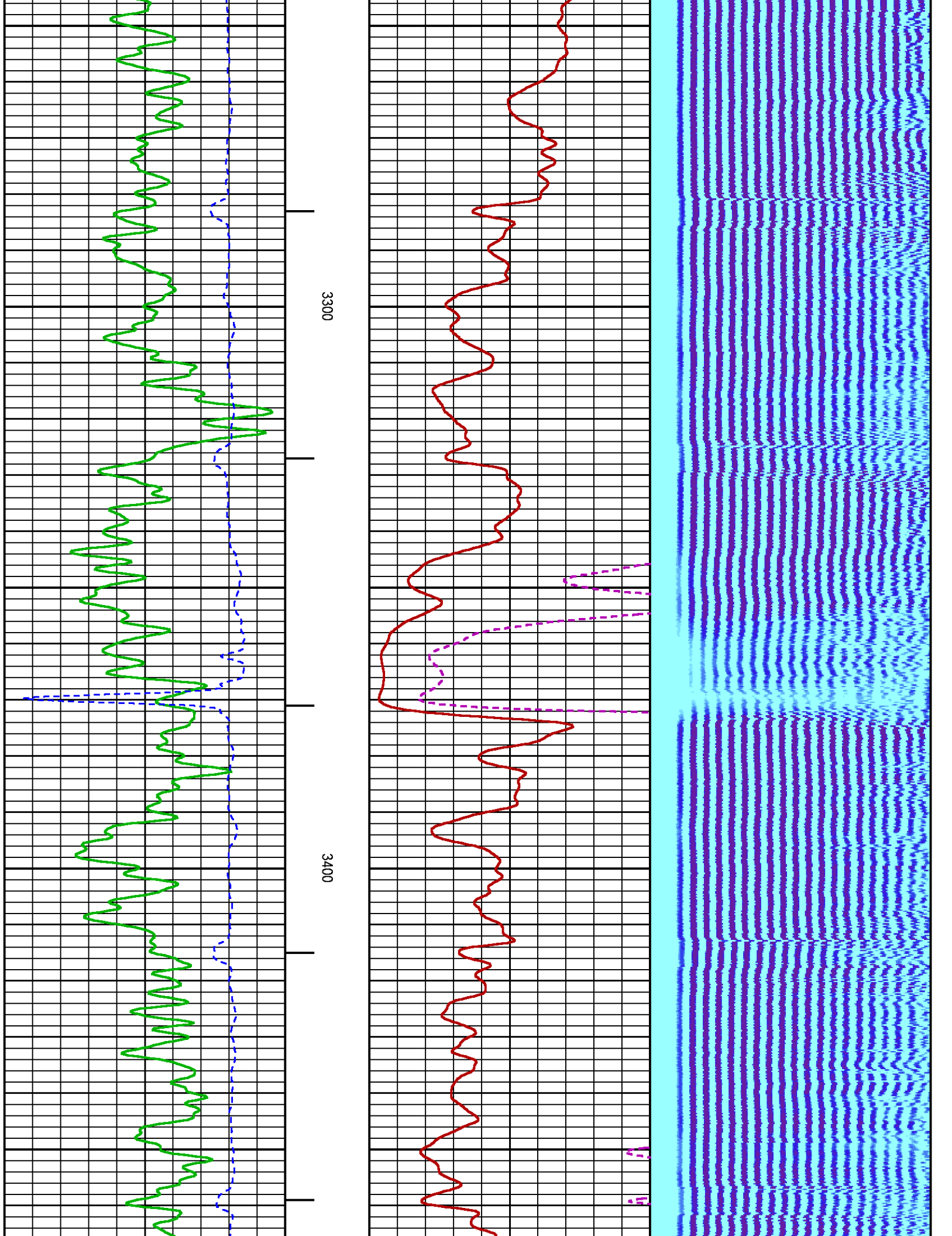
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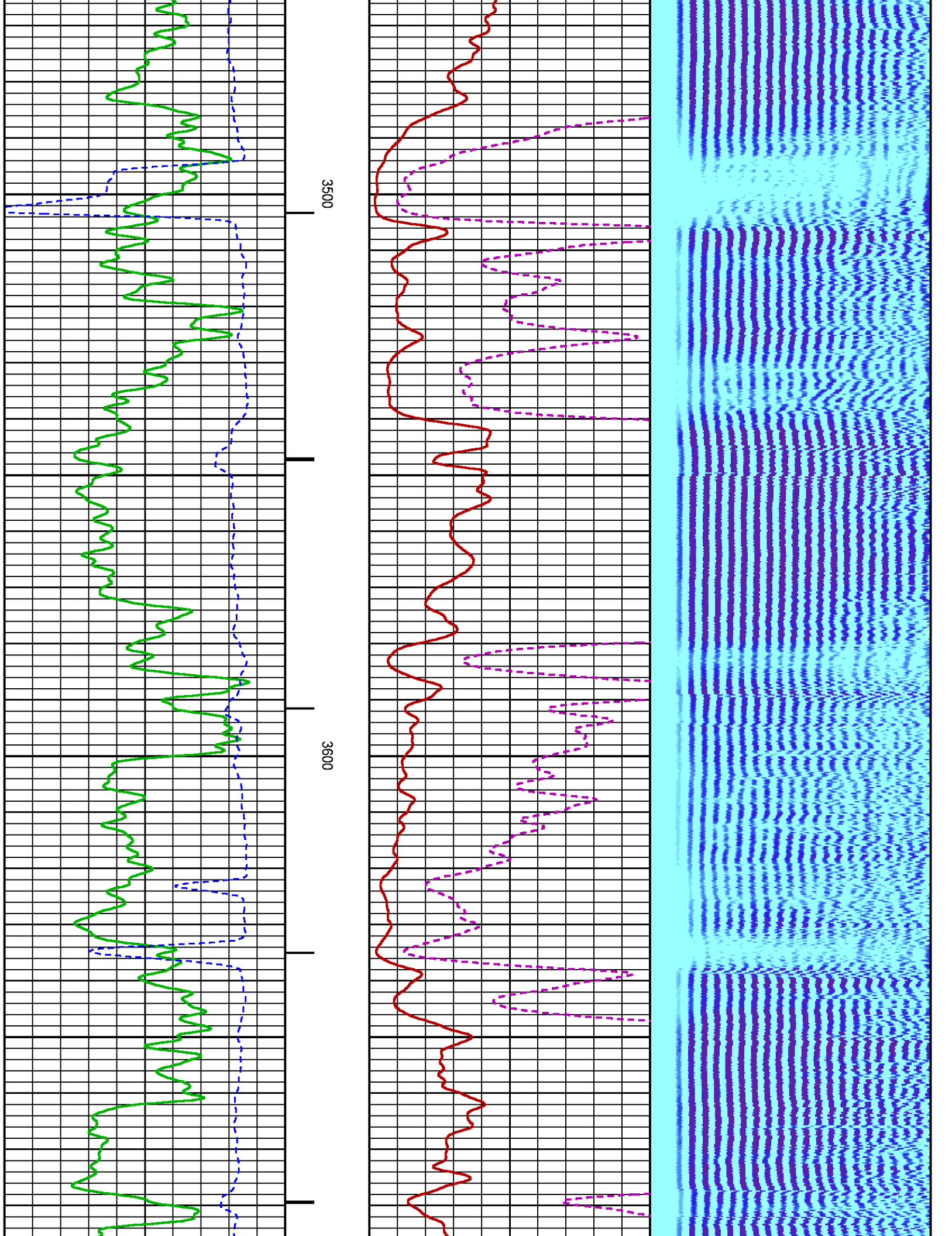
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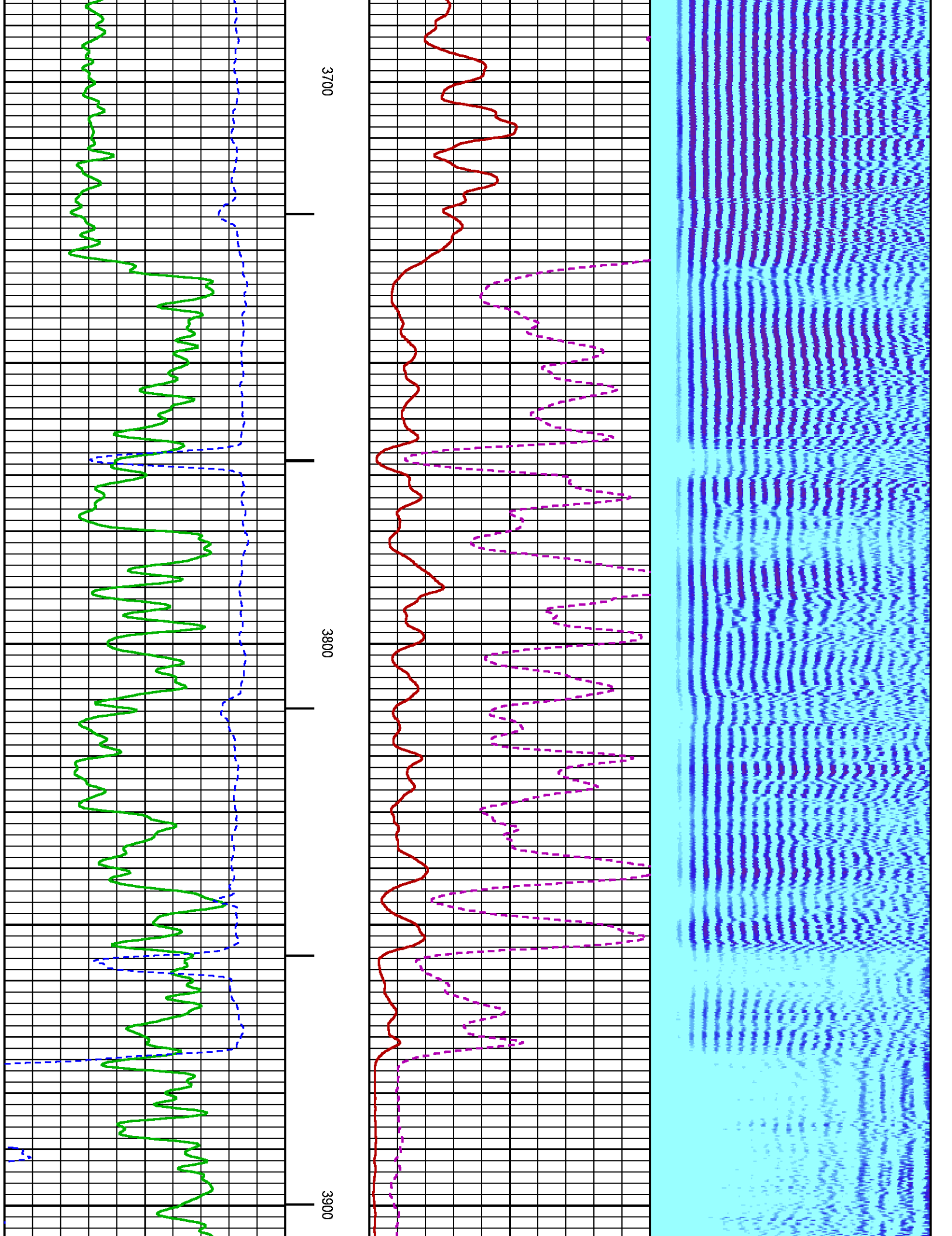


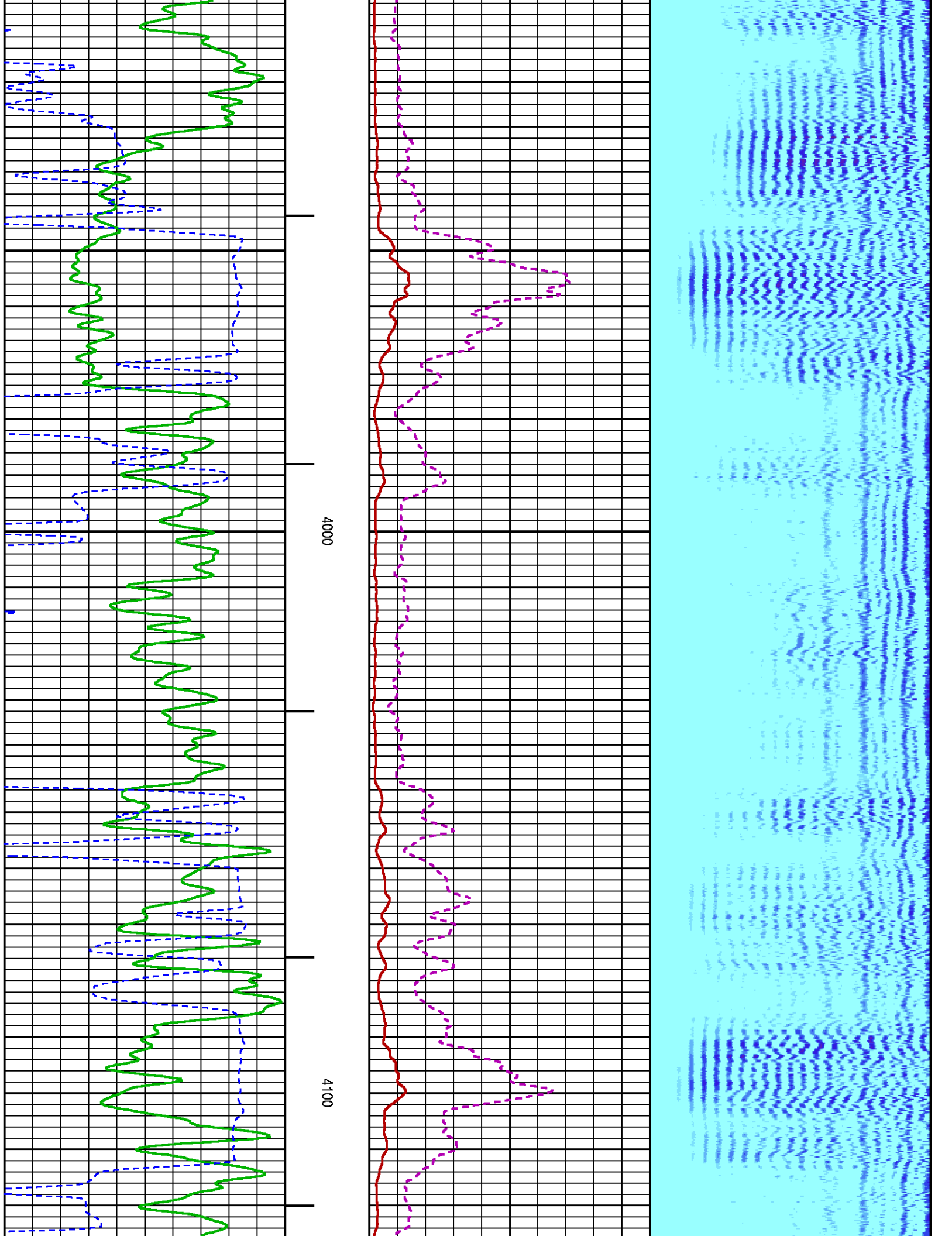


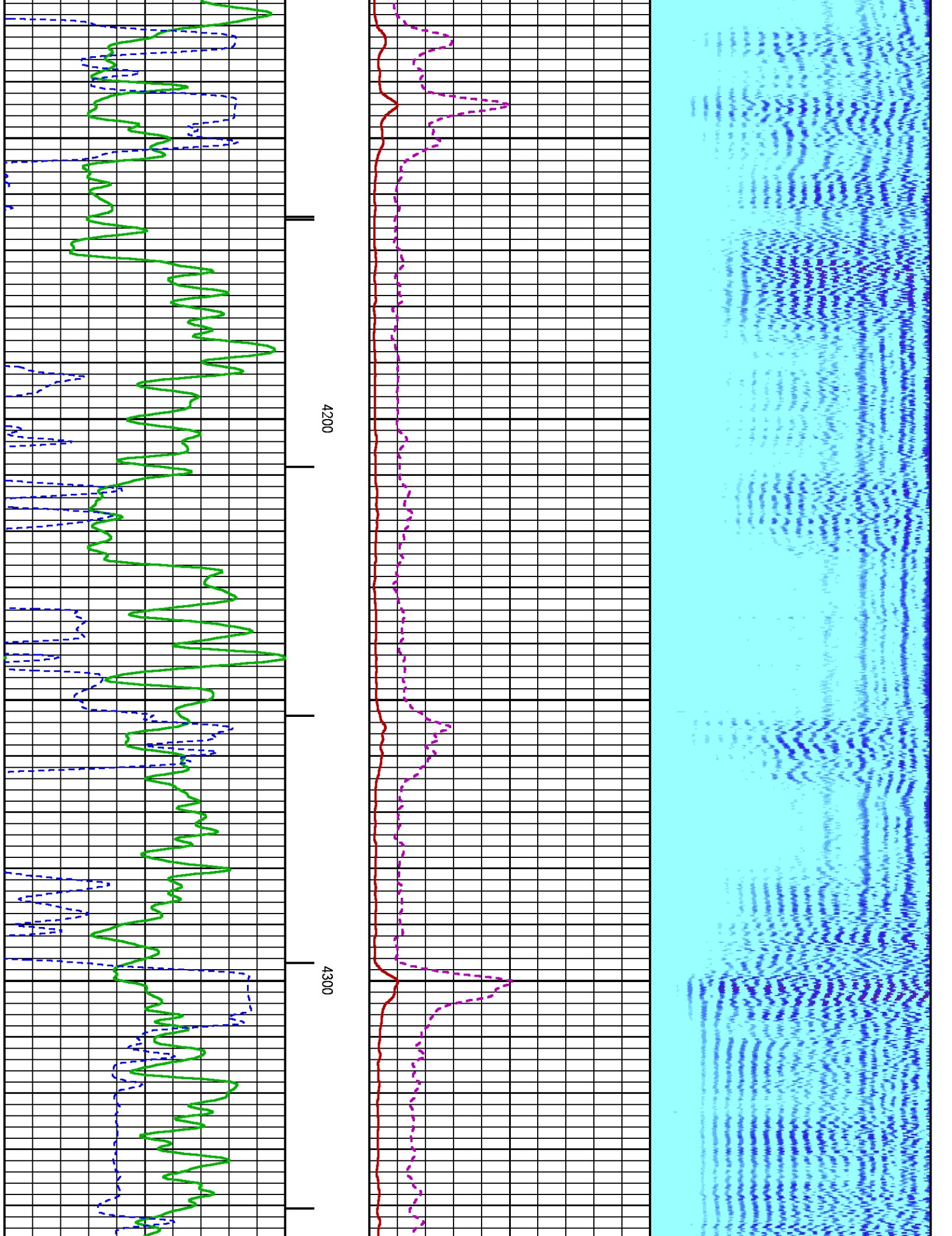


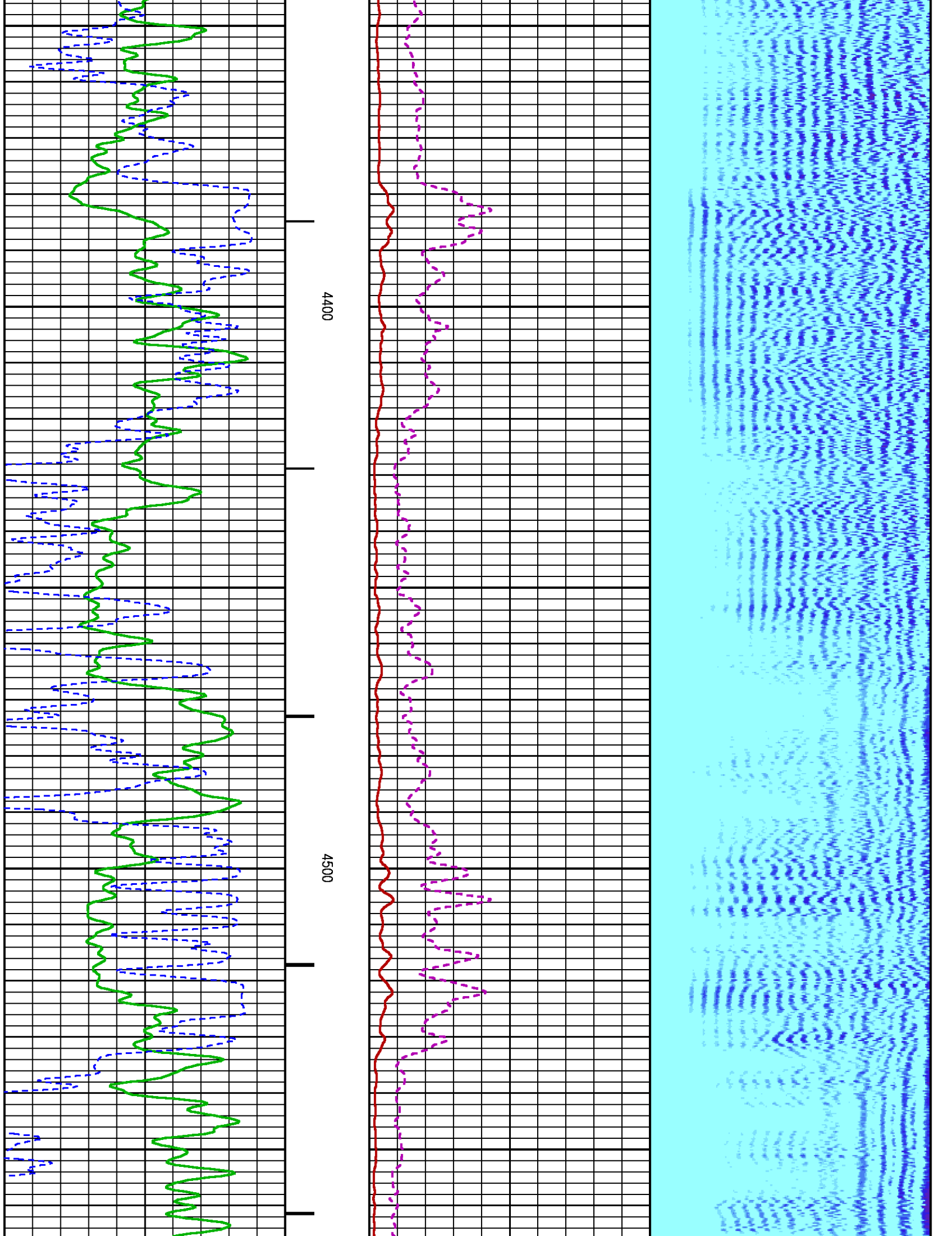


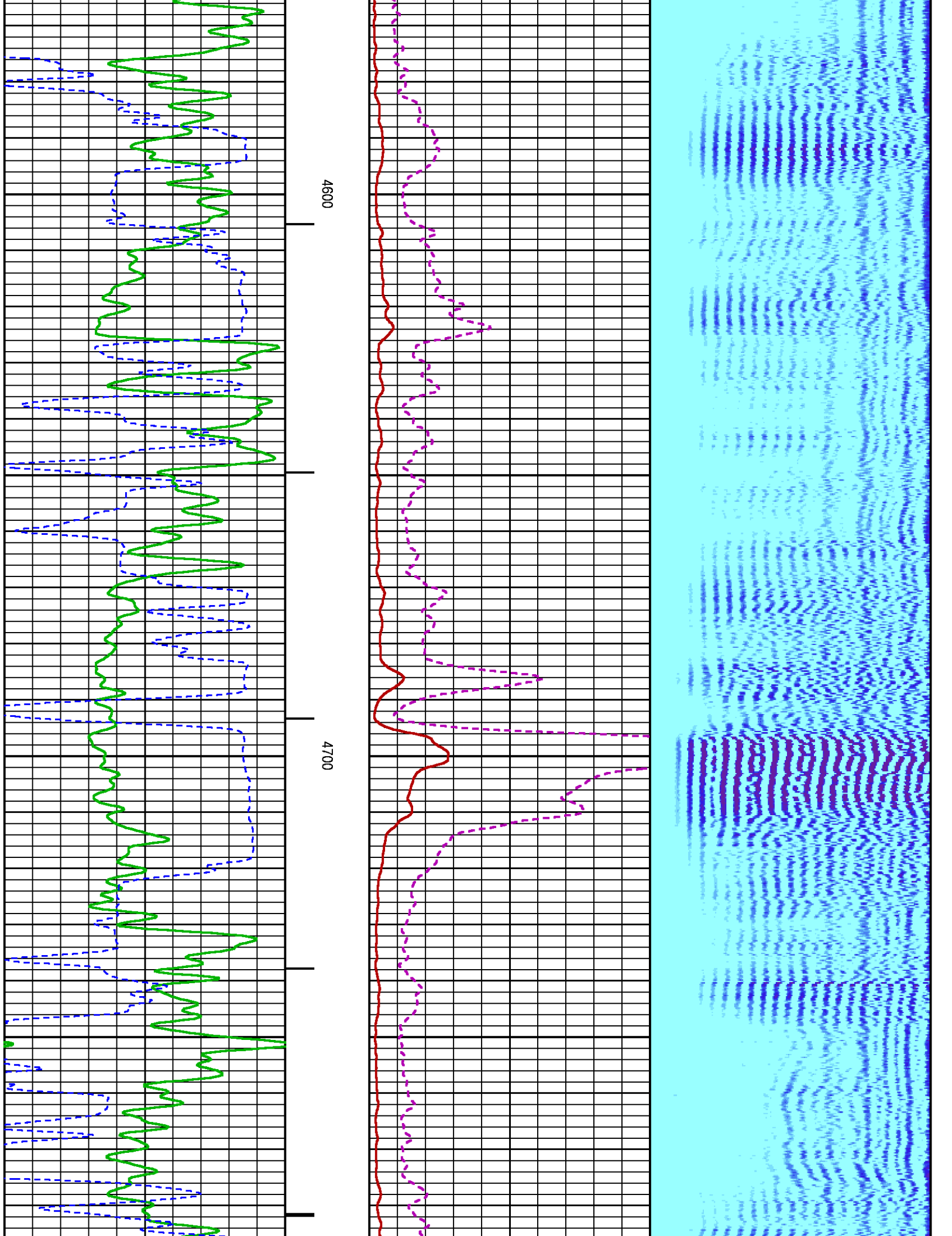


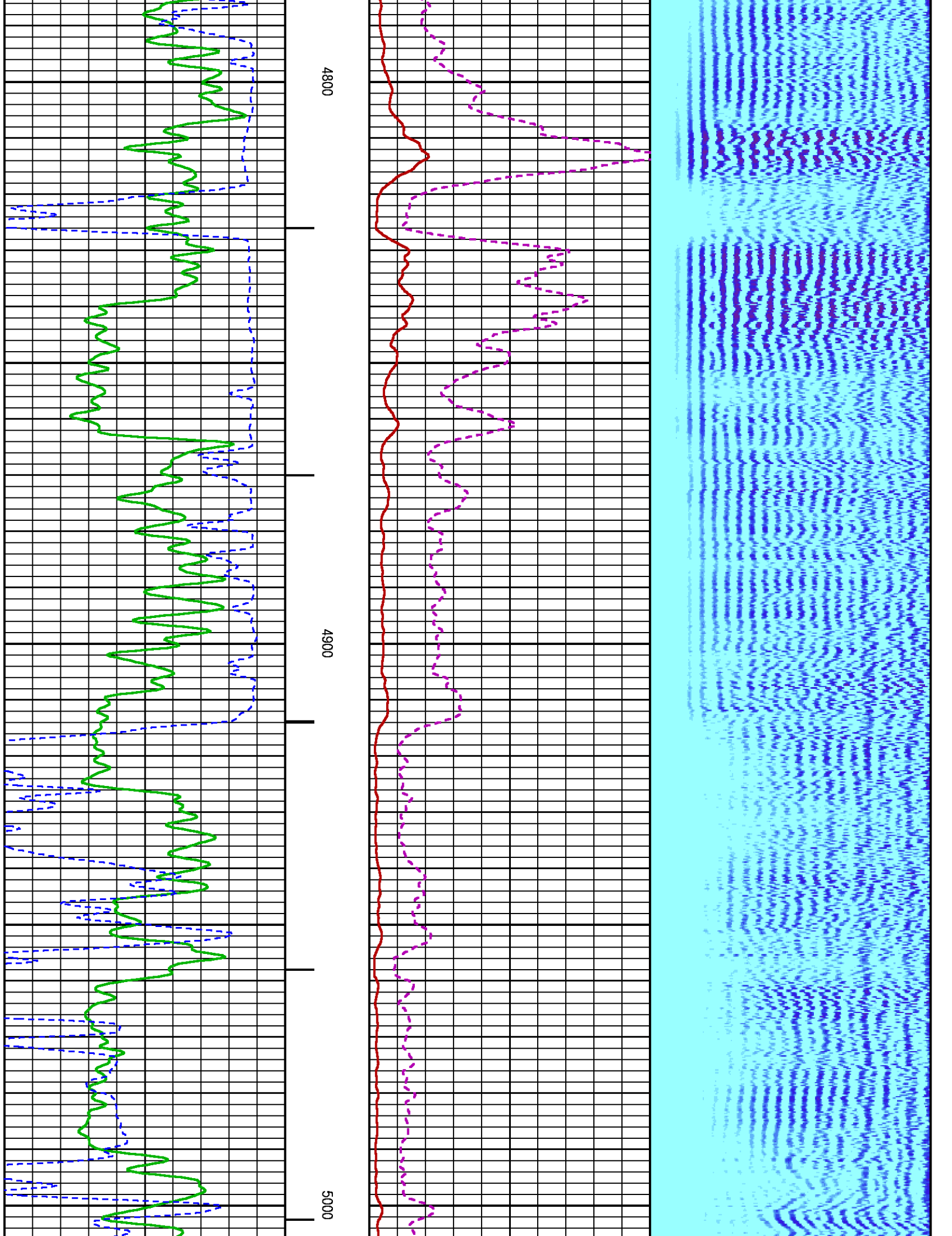


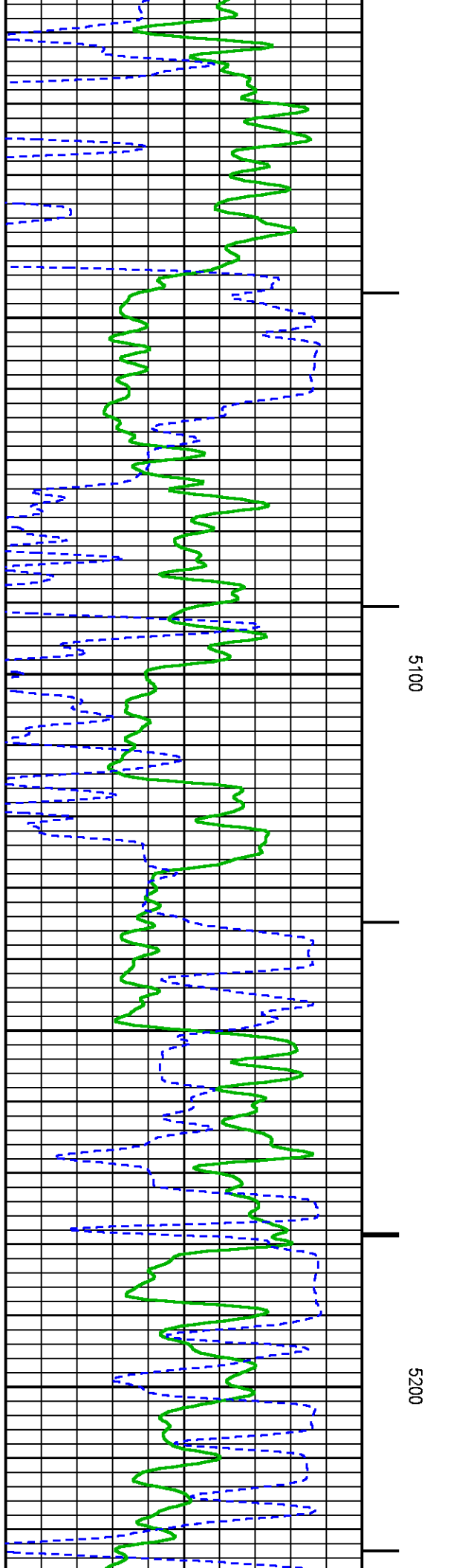
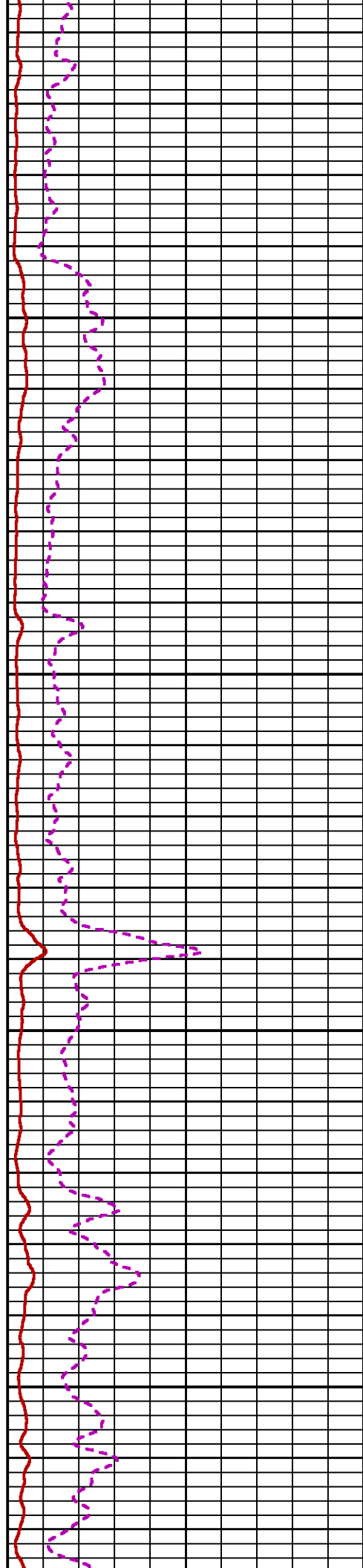
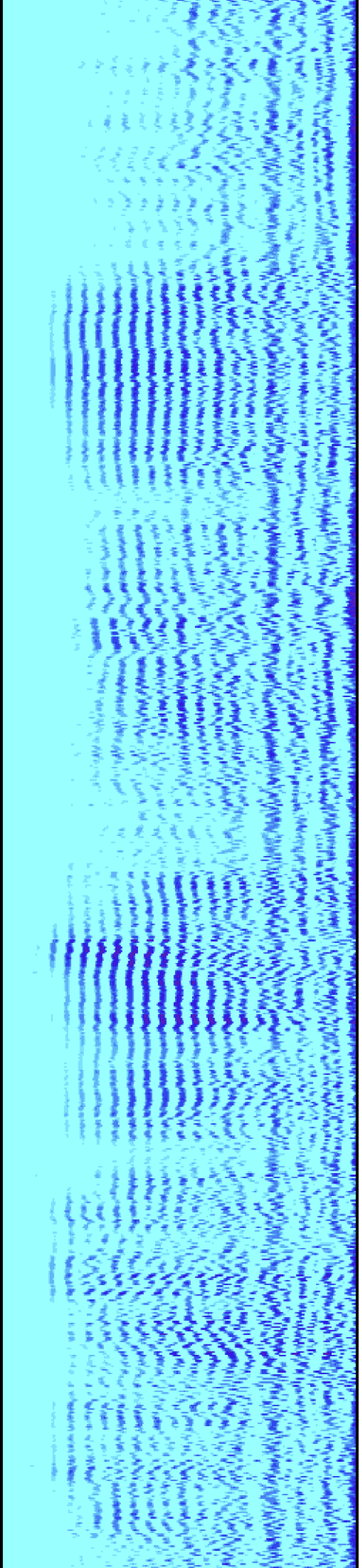


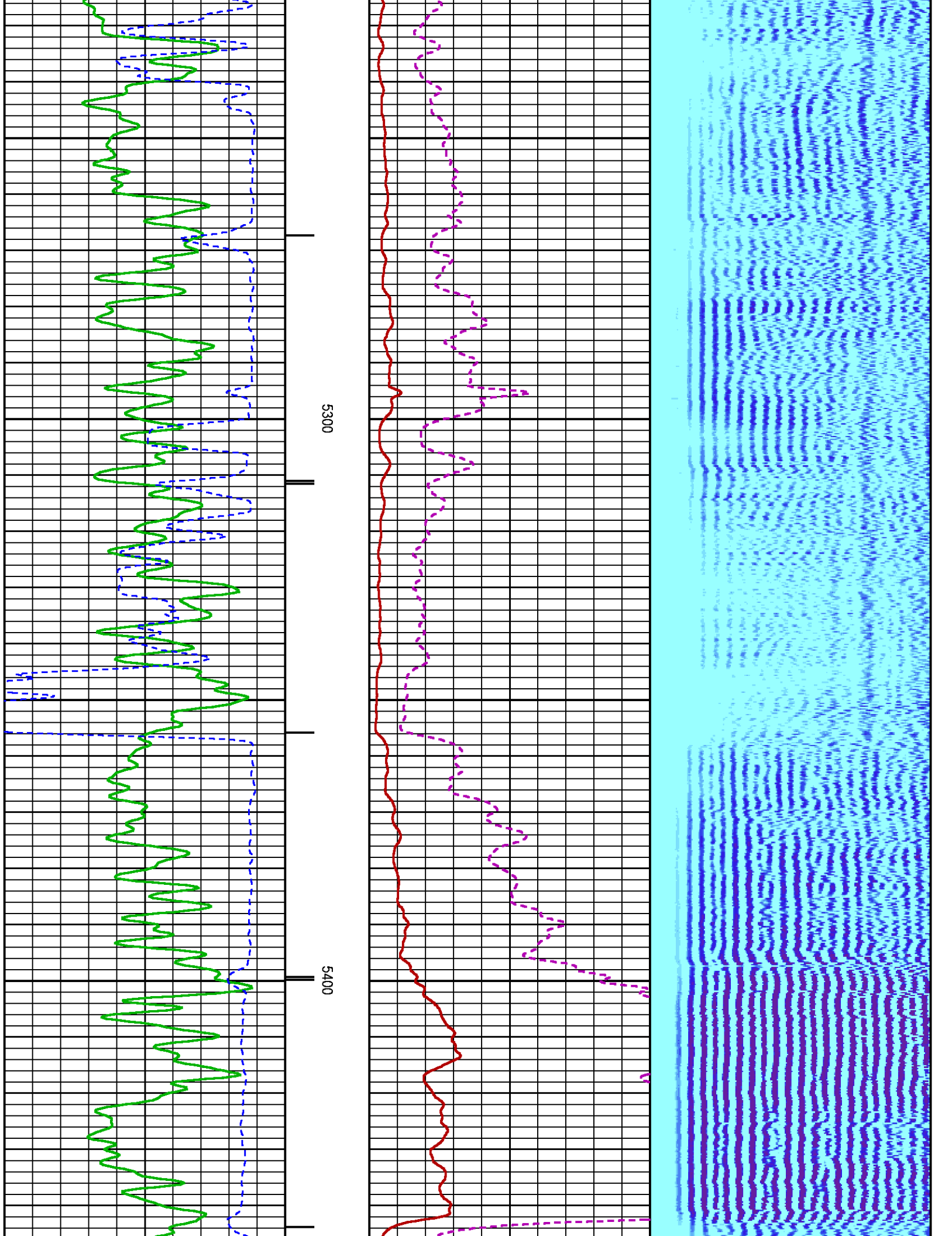


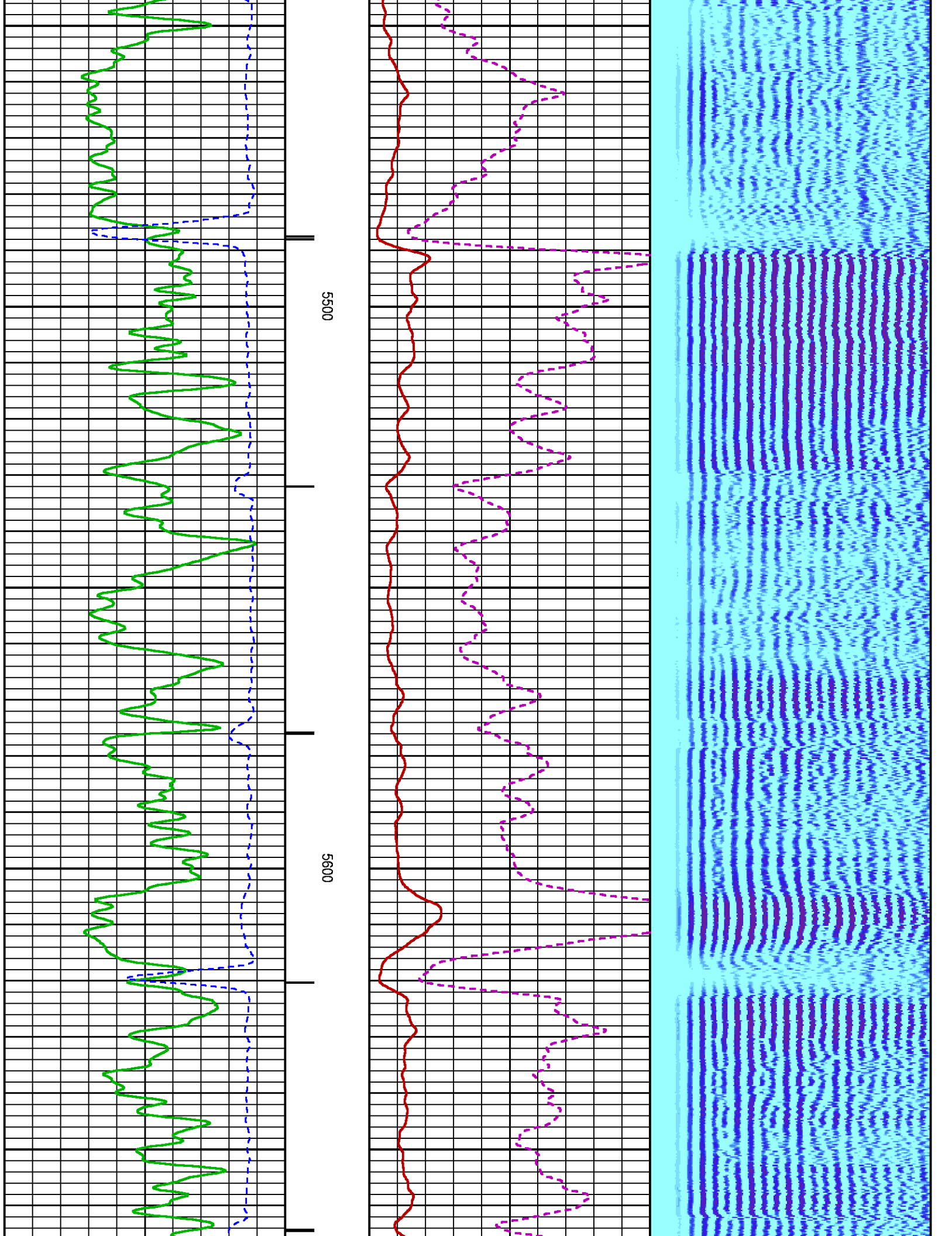


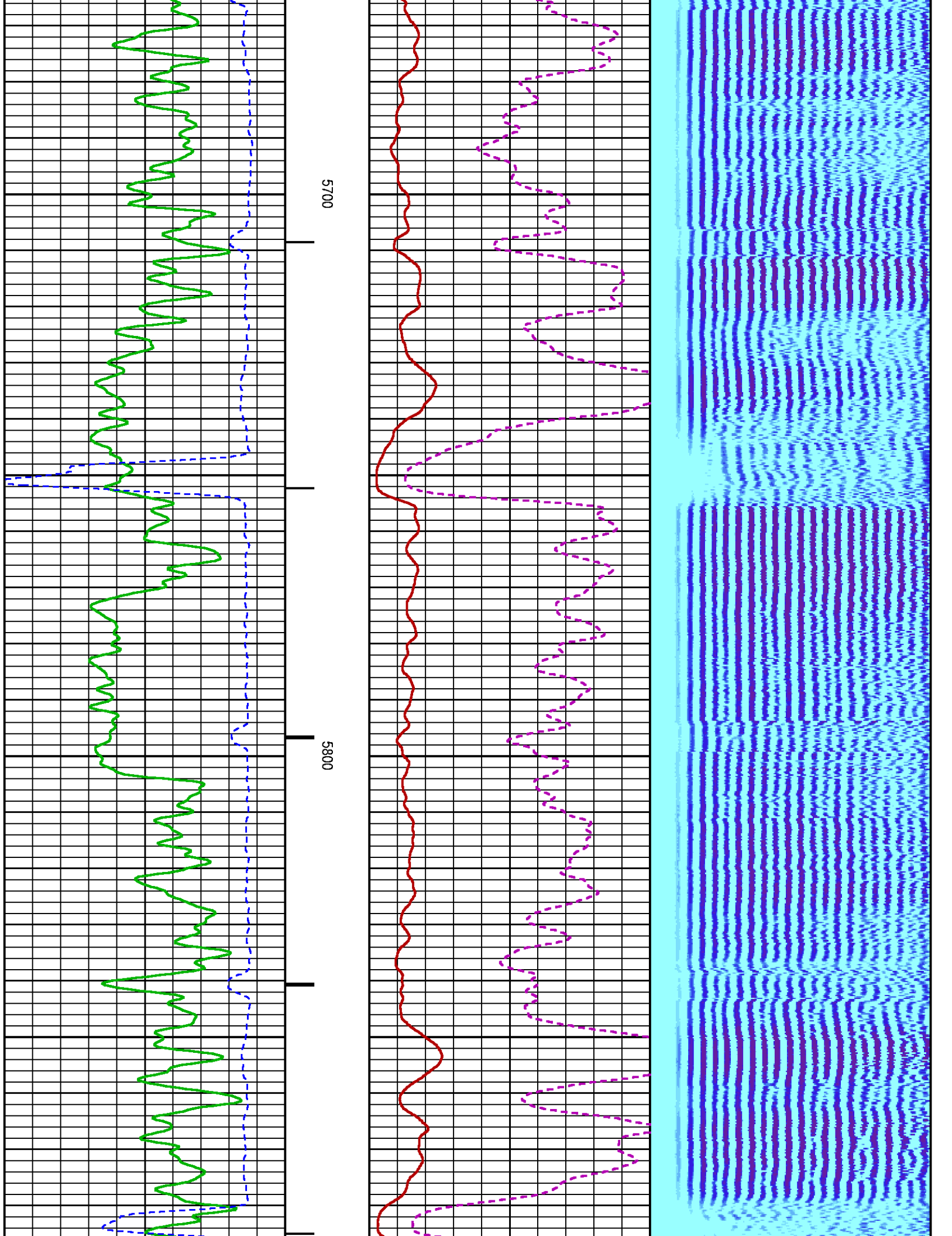


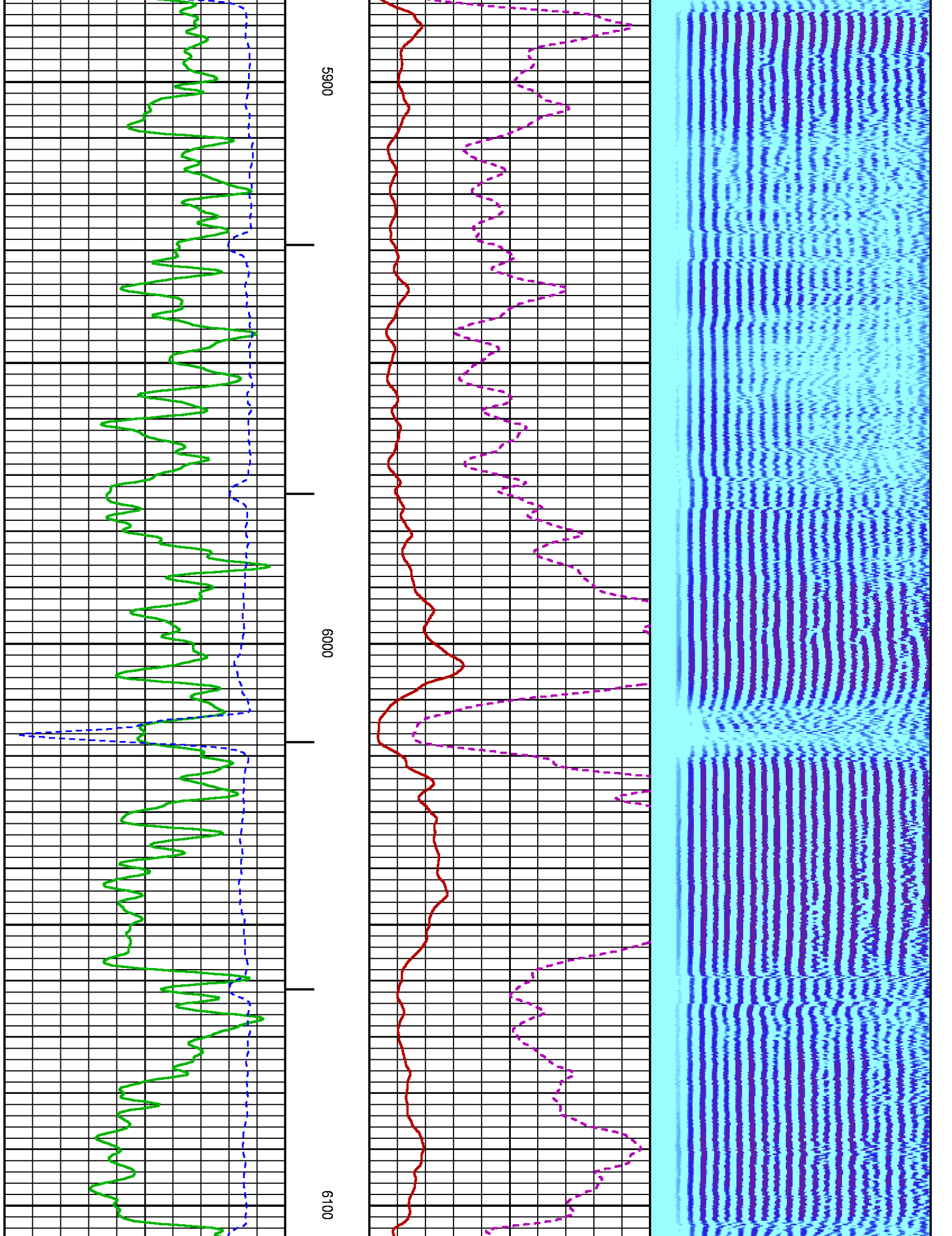


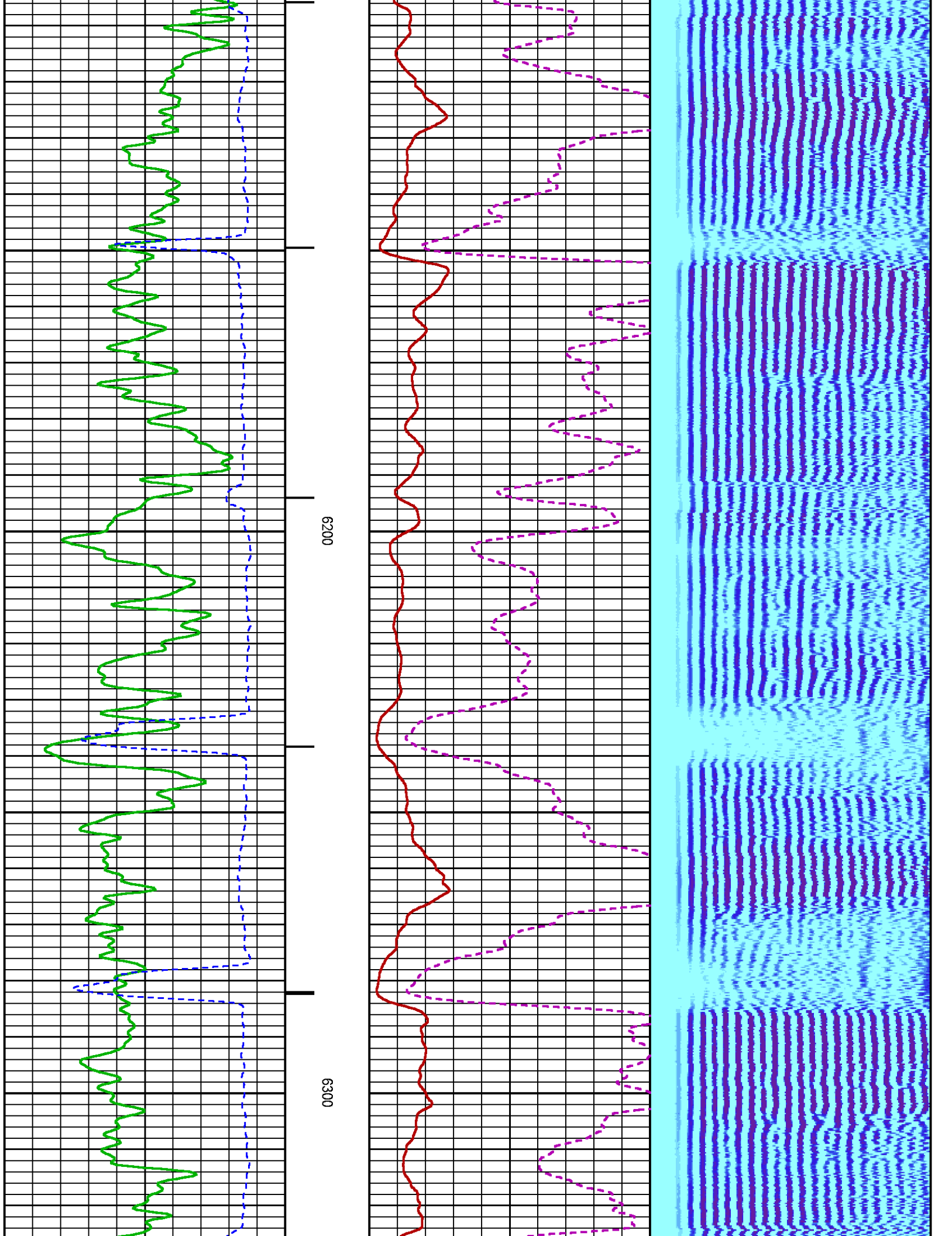


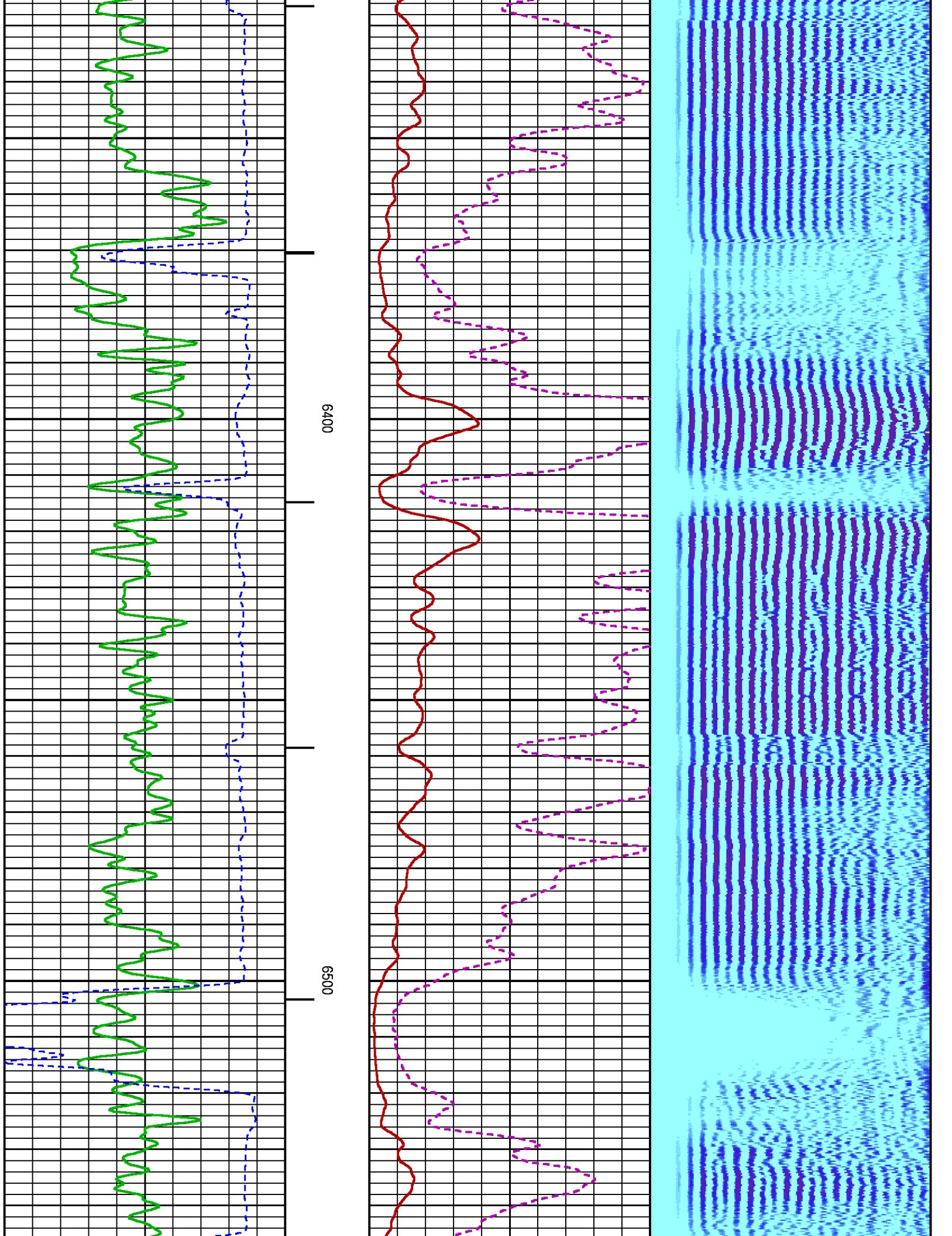


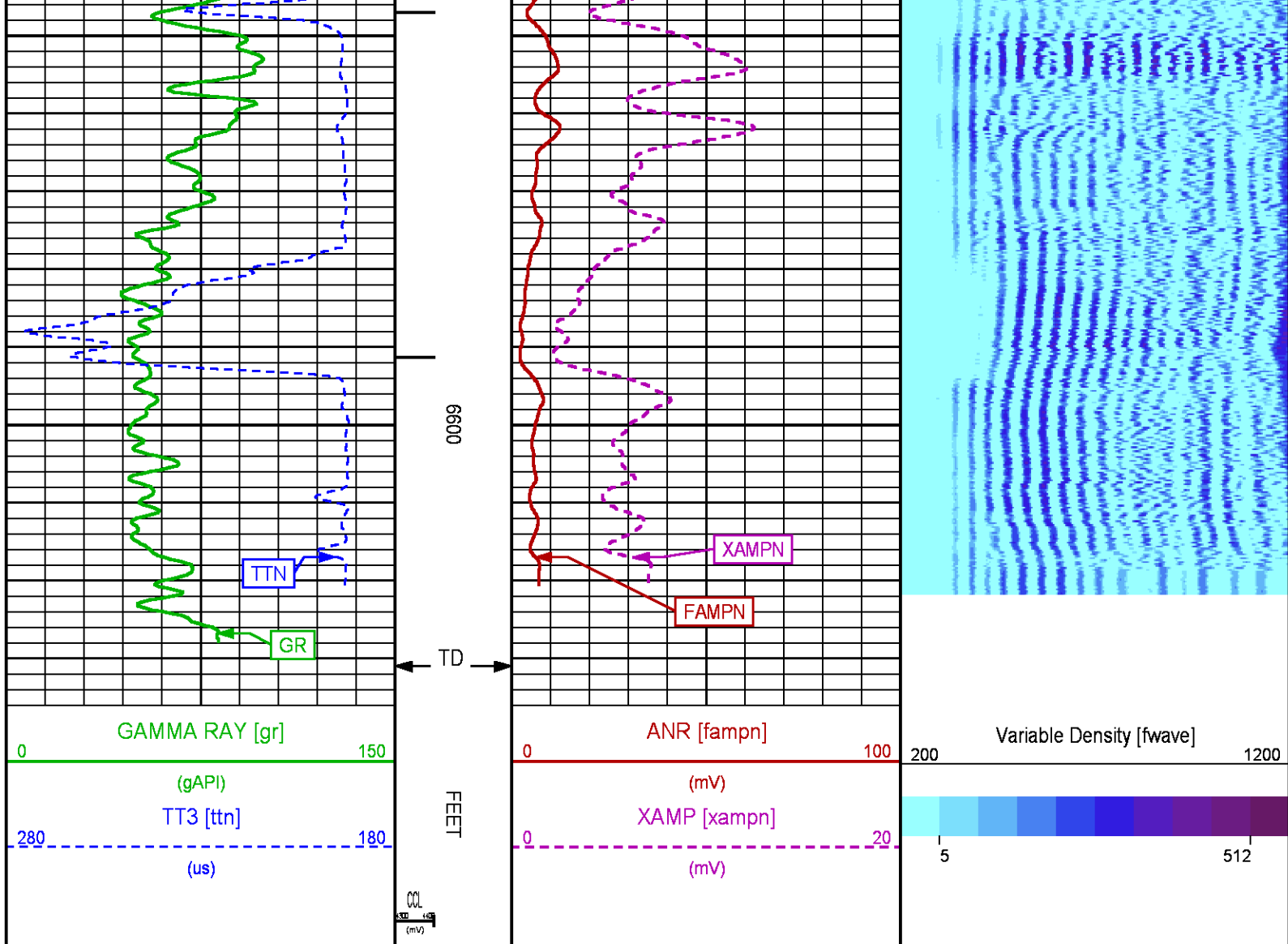












SECONDARY PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
 Updates: 1 Patches: 1

Plotted: Tue Jul 22 16:38:39 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/88608/n012e02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 33.750 ft BOTTOM DEPTH: 6636.750 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)	
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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*)	175	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-72	us	"	"
	TOOL DELAY (str2*)	-72	us	"	"
	TOOL DELAY (str3*)	-72	us	"	"
	TOOL DELAY (str4*)	-72	us	"	"
	TOOL DELAY (str5*)	-72	us	"	"
	TOOL DELAY (str6*)	-72	us	"	"
	TOOL DELAY (str7*)	-72	us	"	"
	TOOL DELAY (str8*)	-72	us	"	"
	TOOL DELAY (strn*)	-72	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"
PERCENT BOND CEMENT MAP					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	81	mV	TOP	BOTTOM
	FREE AMP REC 2	81	mV	"	"
	FREE AMP REC 3	81	mV	"	"
	FREE AMP REC 4	81	mV	"	"
	FREE AMP REC 5	81	mV	"	"
	FREE AMP REC 6	81	mV	"	"
	FREE AMP REC 7	81	mV	"	"
	FREE AMP REC 8	81	mV	"	"
RAL FULL BOND AMPLITUDE	FULL BOND AMP REC 1	2	mV	"	"
	FULL BOND AMP REC 2	2	mV	"	"
	FULL BOND AMP REC 3	2	mV	"	"
	FULL BOND AMP REC 4	2	mV	"	"
	FULL BOND AMP REC 5	2	mV	"	"
	FULL BOND AMP REC 6	2	mV	"	"
	FULL BOND AMP REC 7	2	mV	"	"
	FULL BOND AMP REC 8	2	mV	"	"
CURVE DESCRIPTION REPORT					
CURVE NAME	CREATION DATE	CURVE DESCRIPTION			
F1:AR1	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE T-R1			
F1:AR2	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE T-R2			
F1:AR3	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE T-R3			
F1:AR4	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE T-R4			
F1:AR5	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE T-R5			
F1:AR6	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE T-R6			
F1:AR7	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE T-R7			
F1:AR8	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE T-R8			
F1:CCL	Jul 22 10:37:16 2014	CASING COLLAR LOCATOR			
F1:FAMPN	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE NEAR RECEIVER			
F1:FWAVE	Jul 22 10:37:16 2014	FAR WAVE FORM			
F1:GR	Jul 22 10:37:16 2014	GAMMA RAY			
F1:PBMAP	Jul 22 10:37:16 2014	PERCENT BOND CEMENT MAP			
F1:TTN	Jul 22 10:37:16 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER			
F1:XAMPN	Jul 22 10:37:16 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE			

AR1	13.75	AR5	13.75	CCL	8.50	XAMPN	13.75
AR2	13.75	AR6	13.75	FAMPN	13.75		
AR3	13.75	AR7	13.75	GR	6.50		
AR4	13.75	AR8	13.75	TTN	13.75		

Presentation
: HL6670:/dat1a/88608/34_CBL_SECONDARY_PRESENTATION.fvpdf [5"/100' Scale]

Plot Interval
: 0 - 6636 Feet

Data File 1
: F1 : HL6670:/dat1a/88608/34_CBL_MAIN.xtf

Created On
: Jul 22 10:37:16 2014

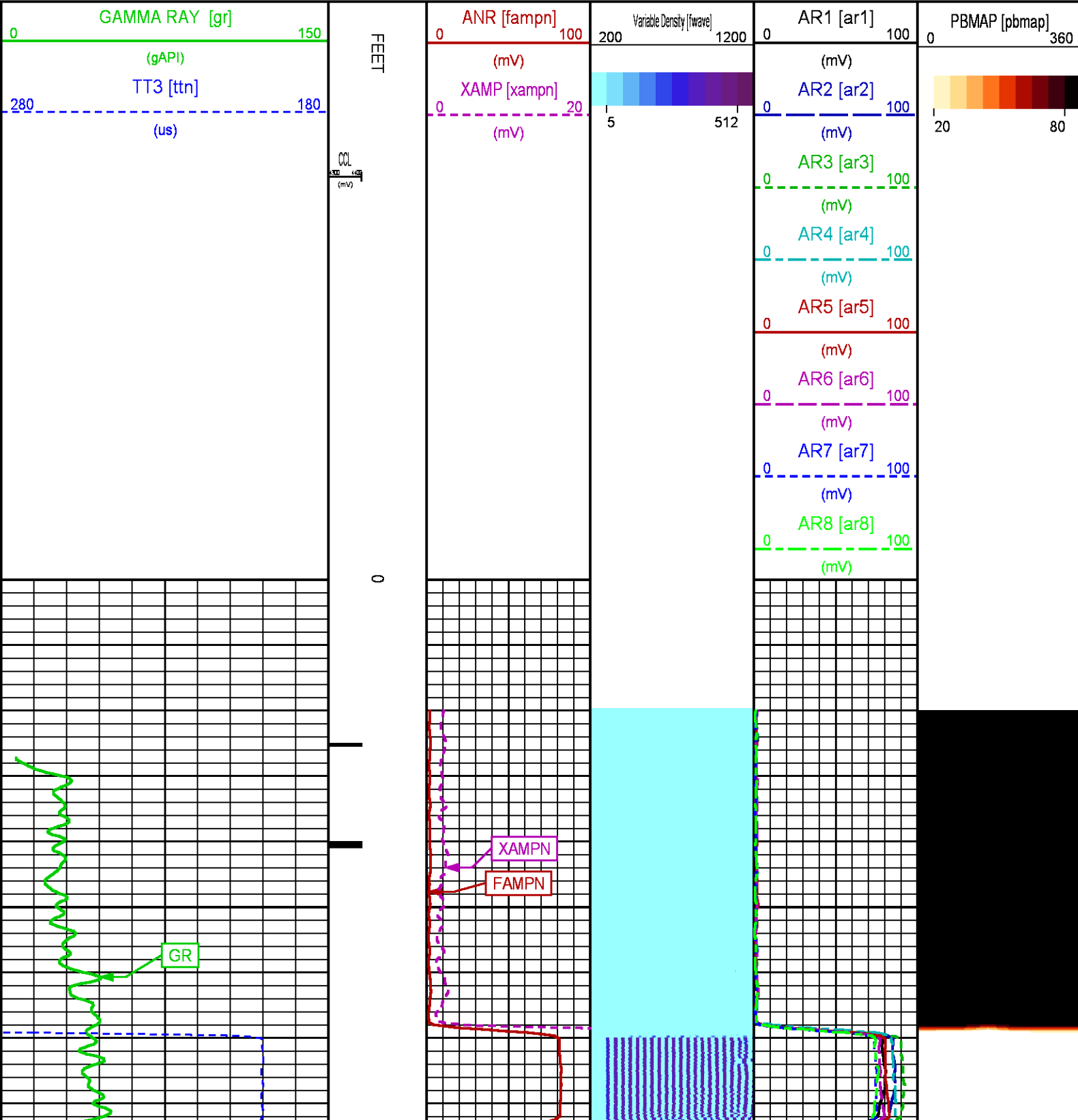
Company
: WPX ENERGY

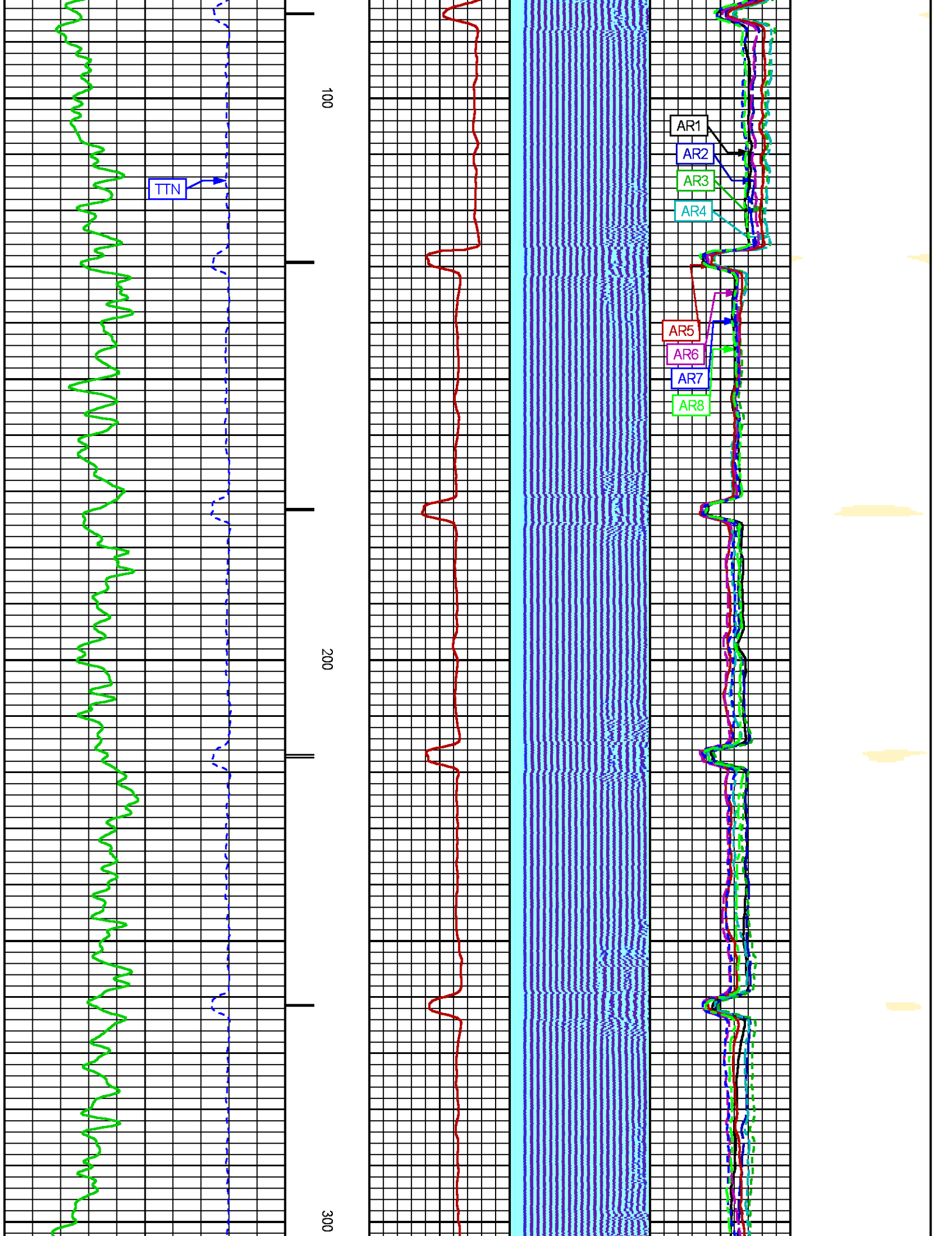
Well
: HICKS PA 34-6

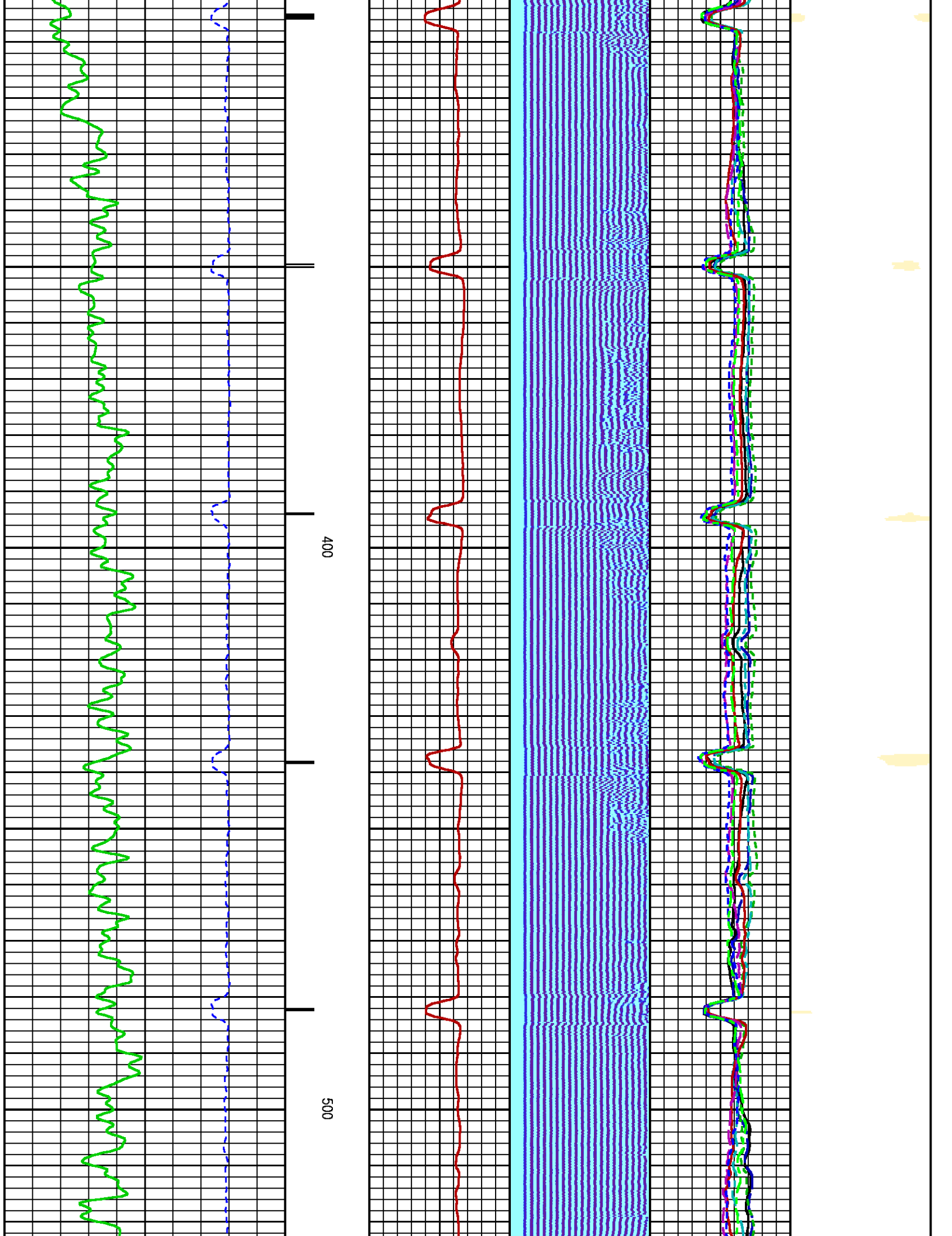
Field
: PARACHUTE

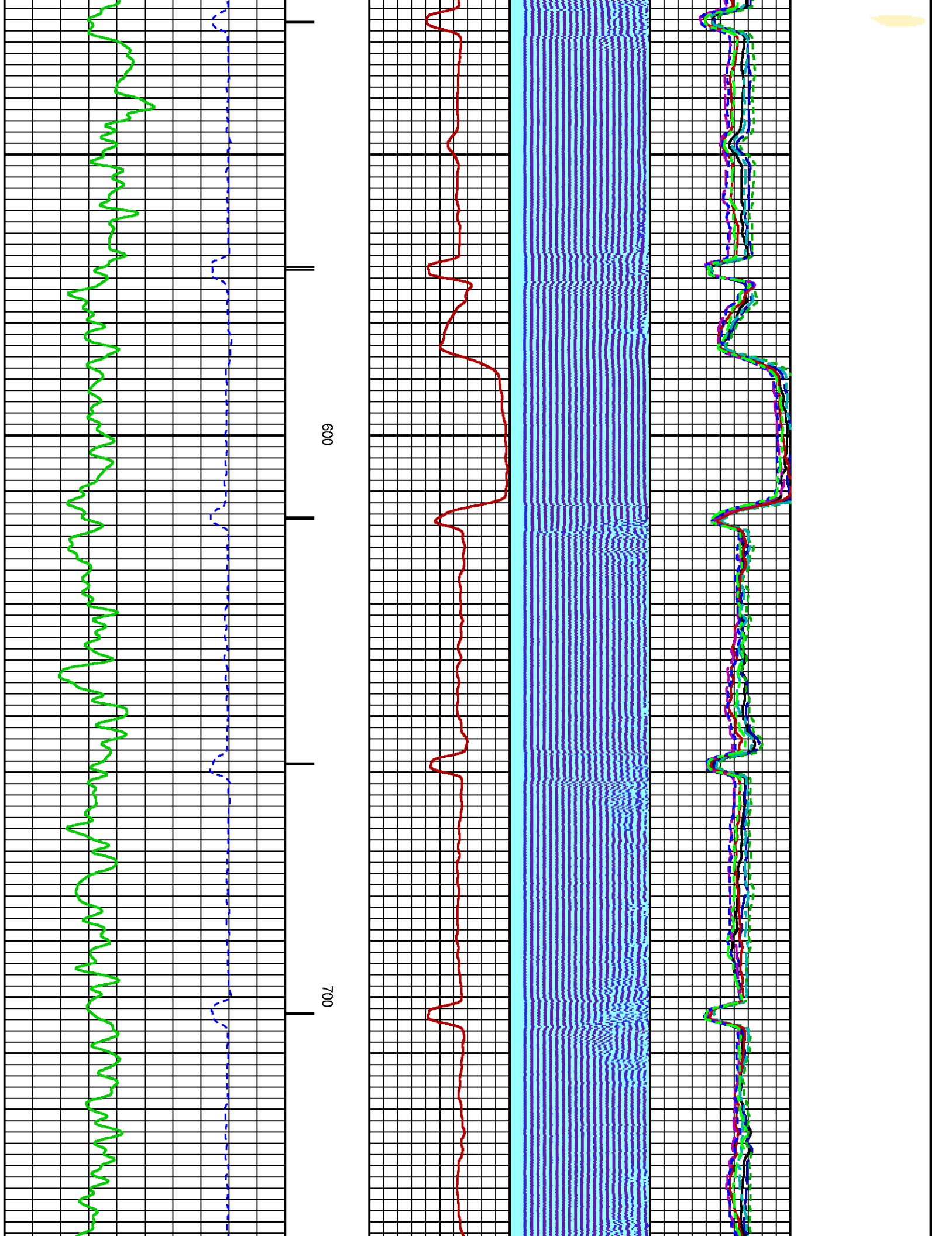
File Interval
: 18.75 - 6636.75 Feet

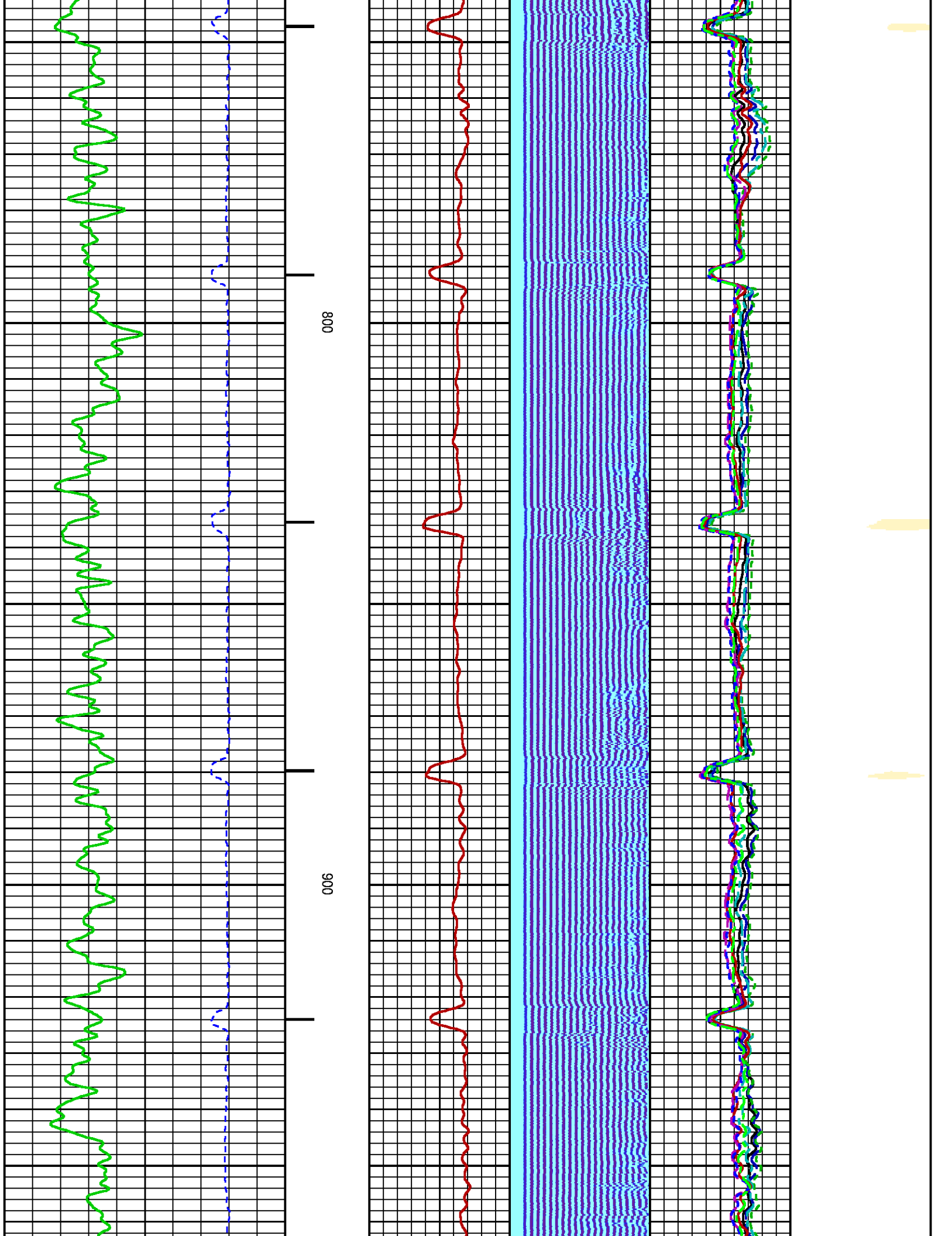
OCT
: n012e

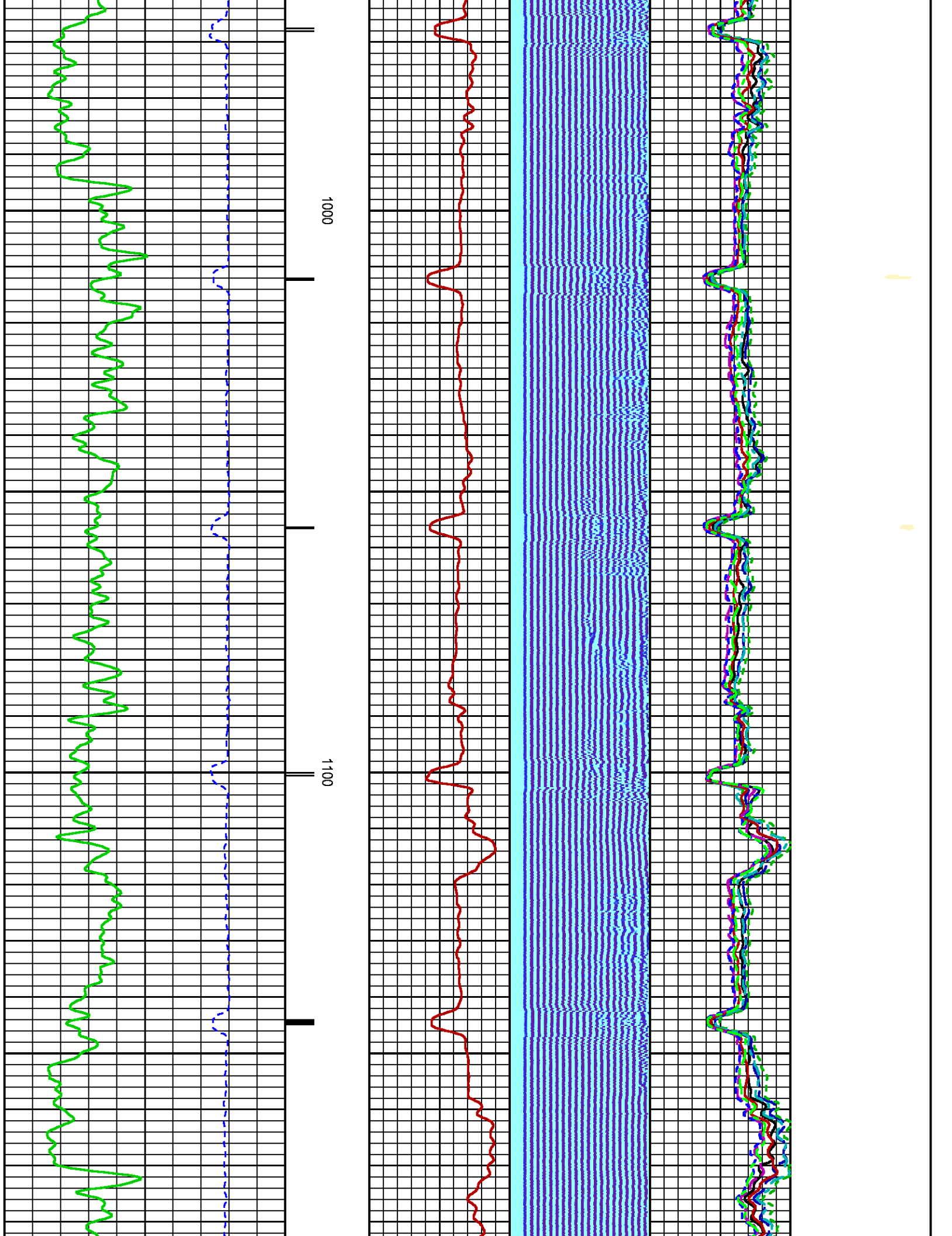




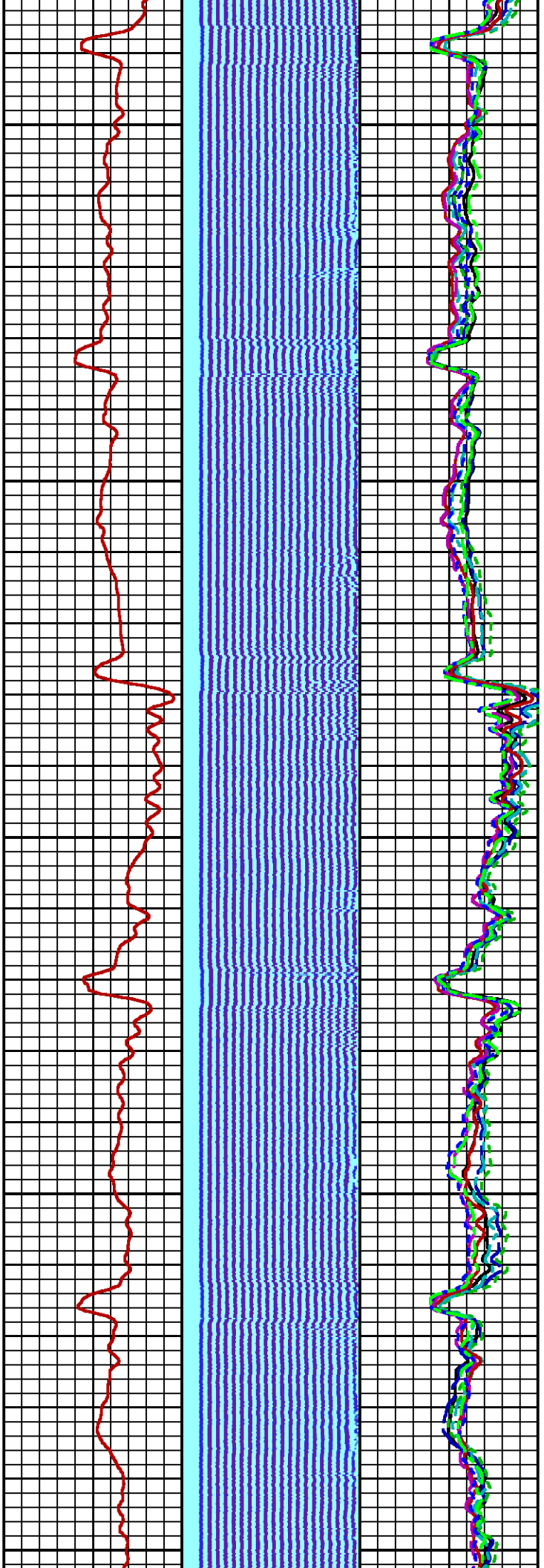








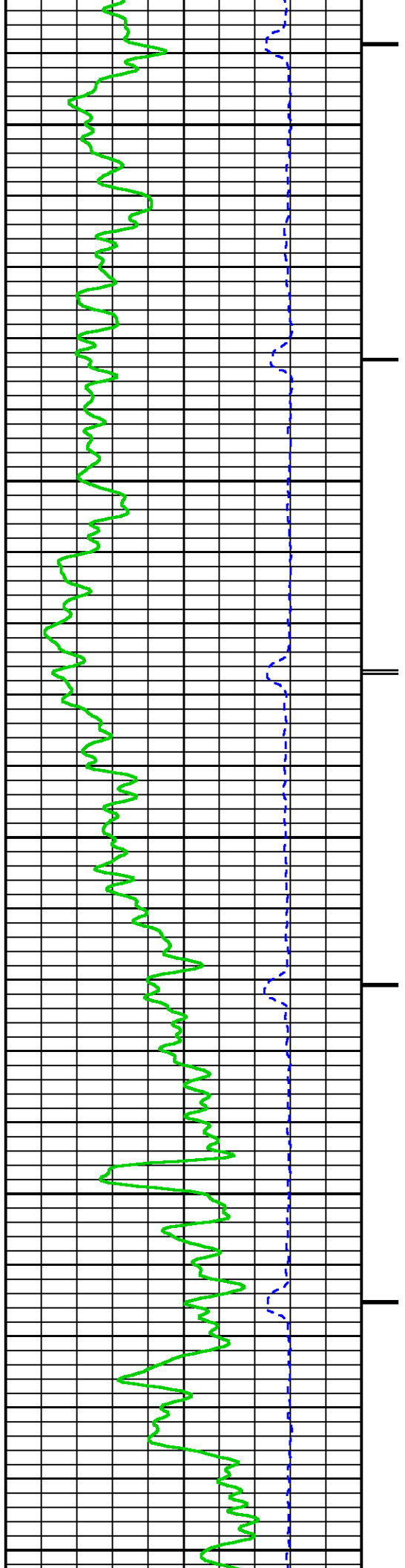
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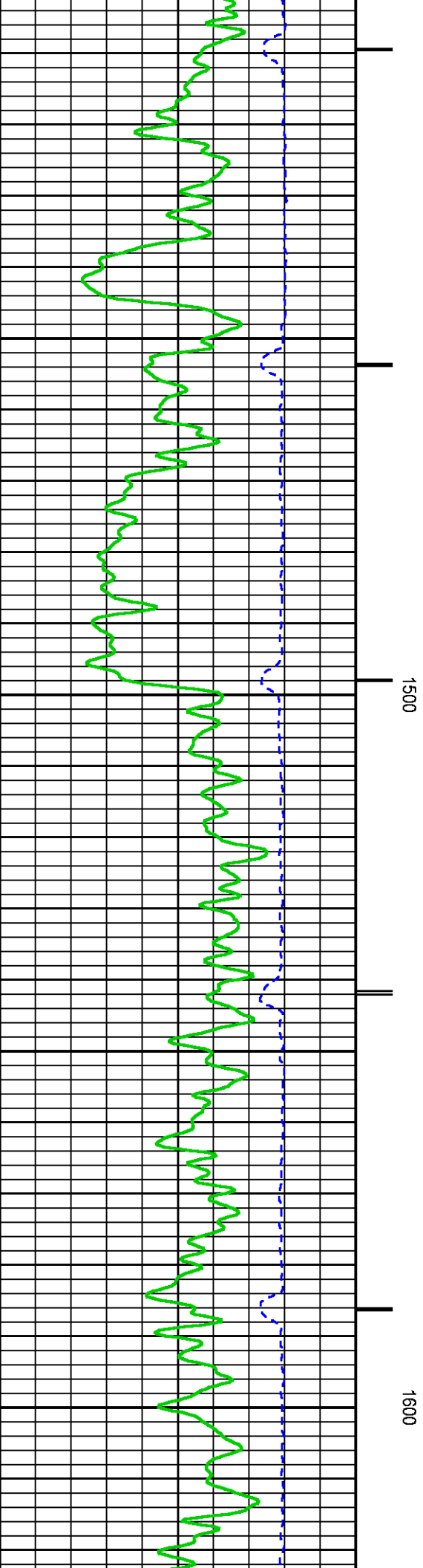
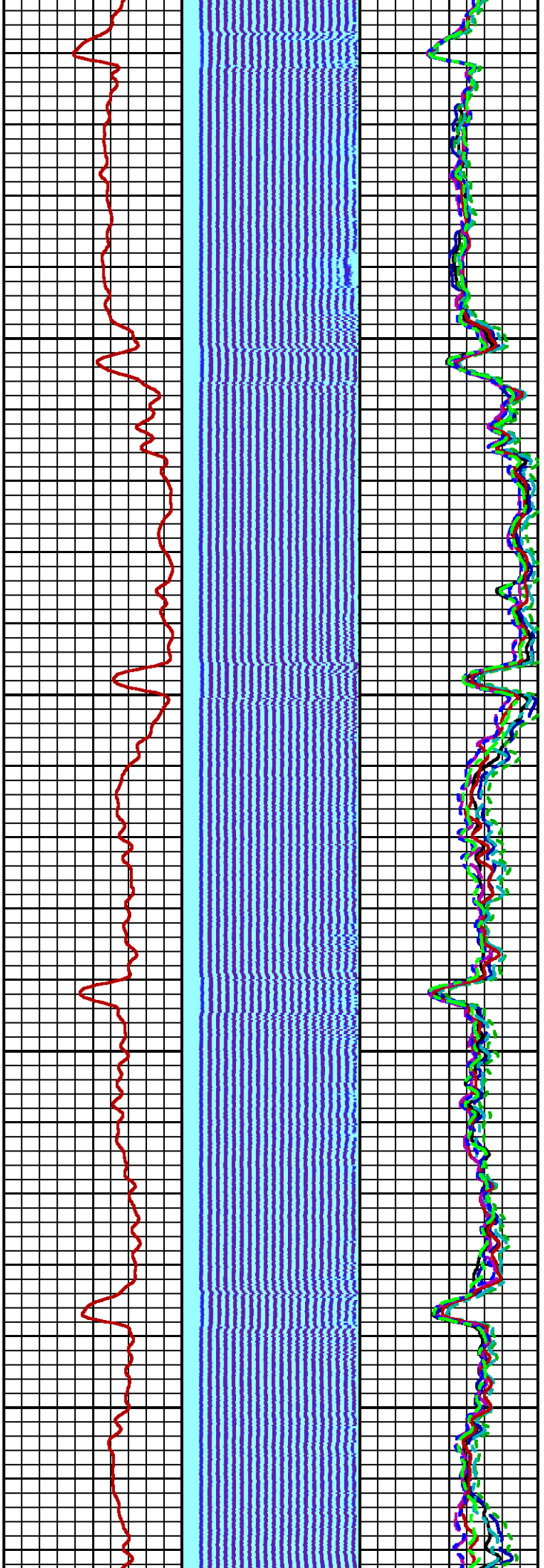


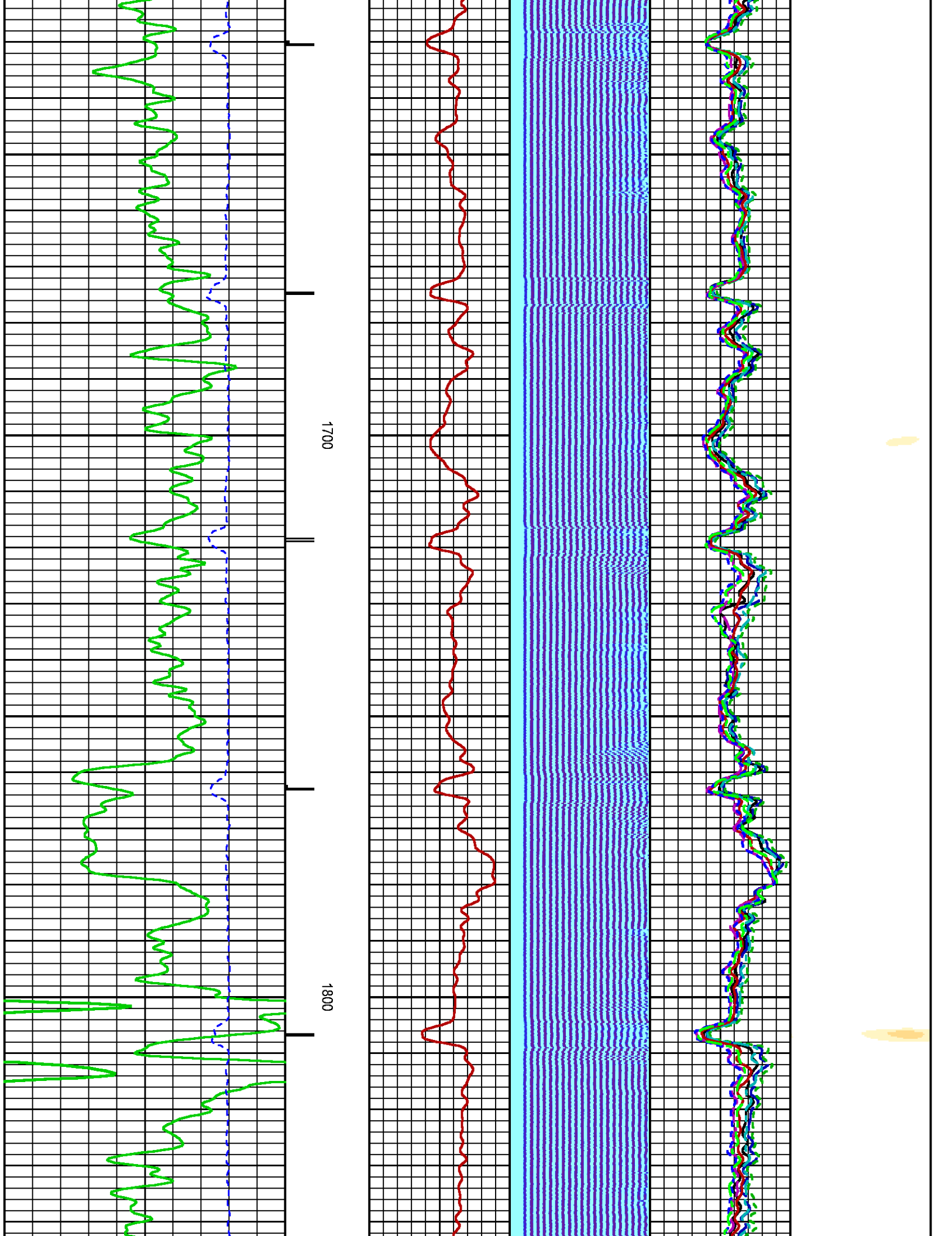
1200

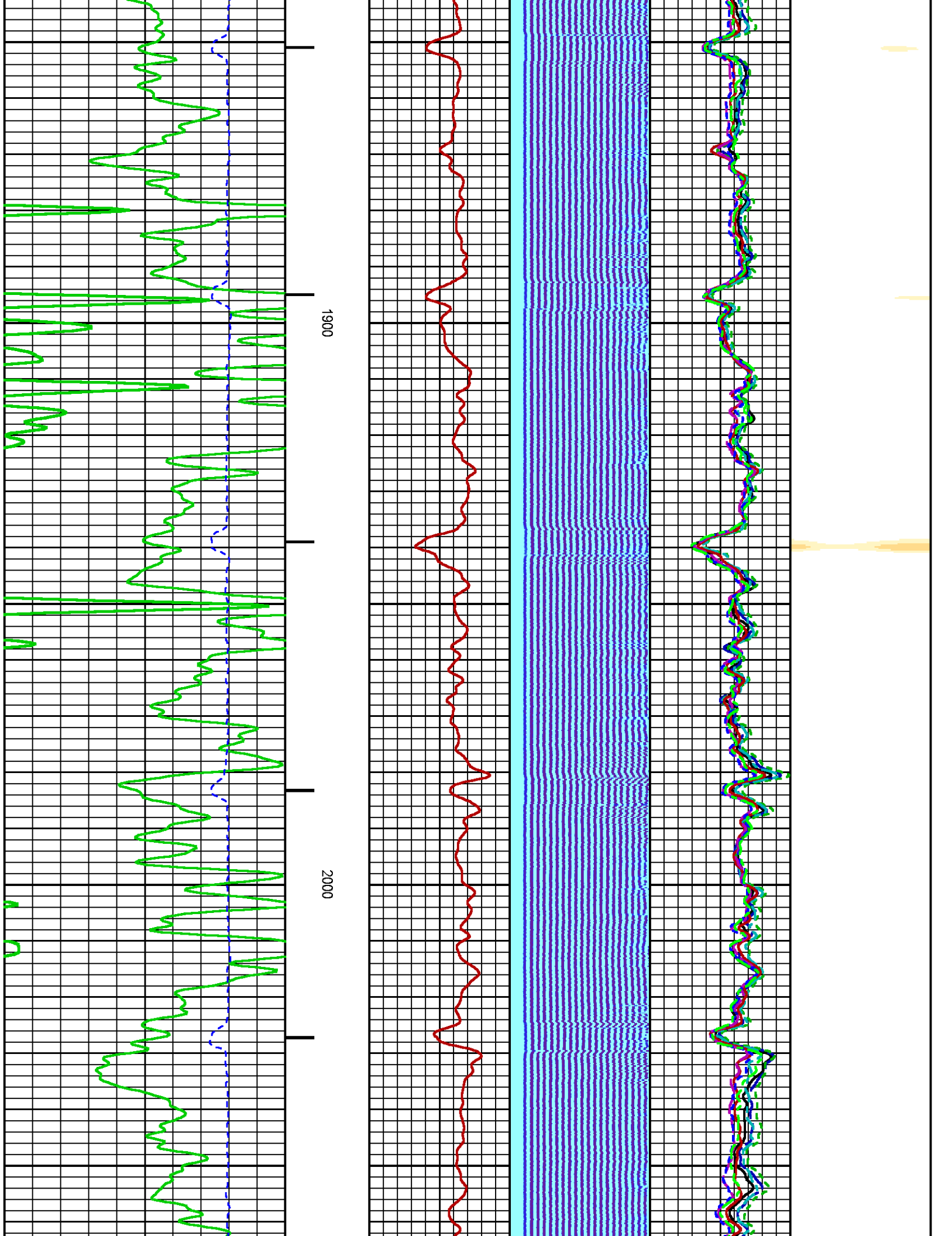
1300

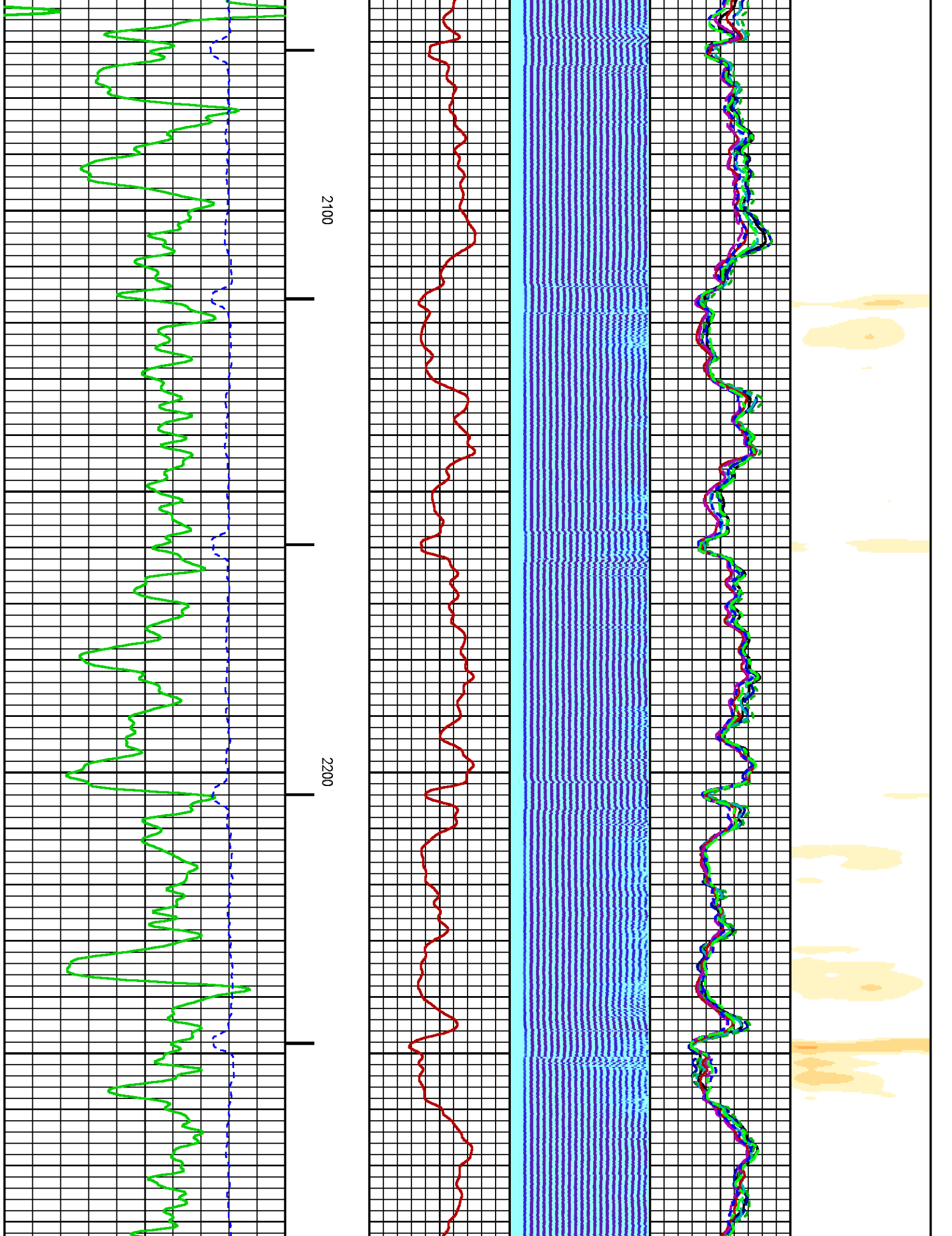
1400

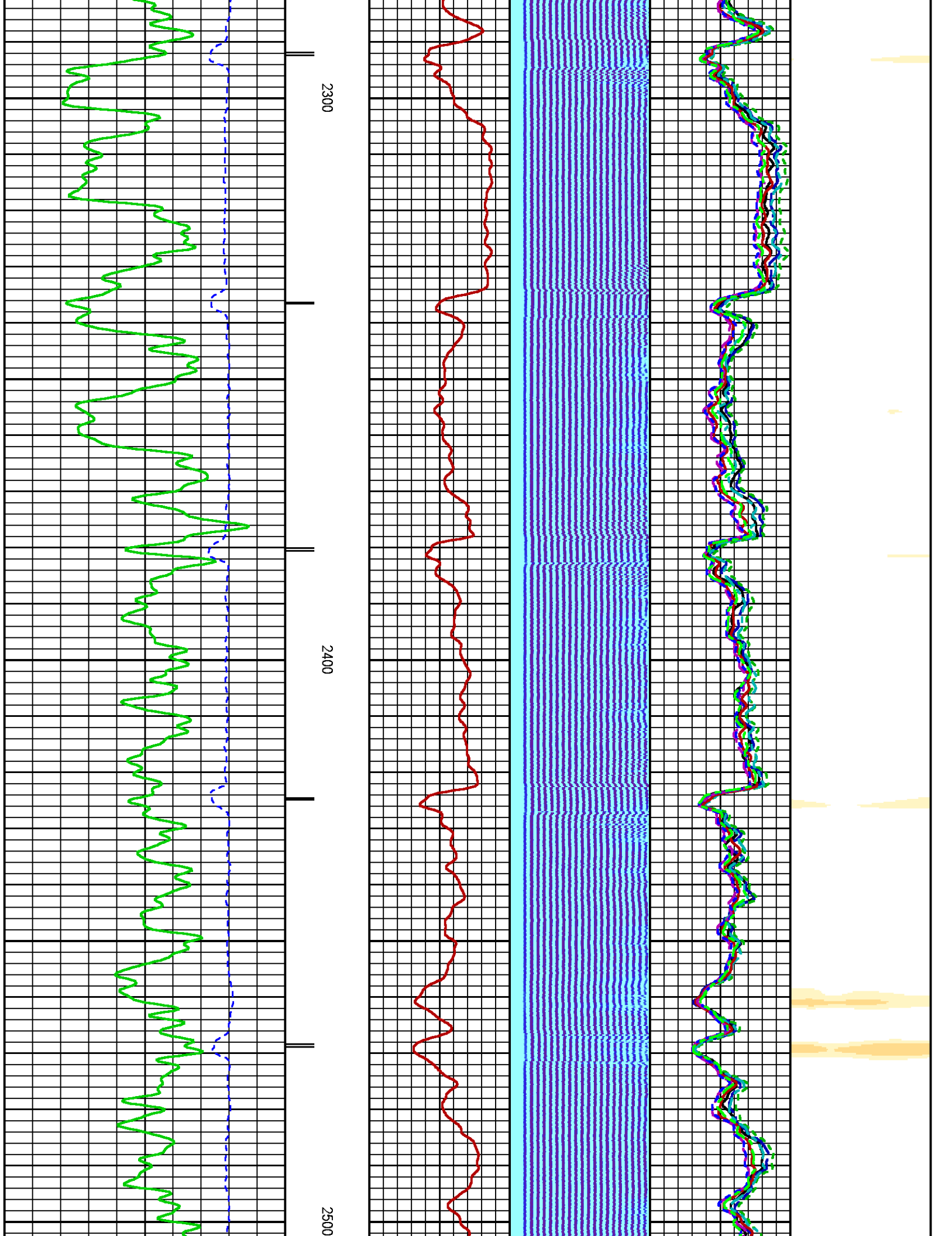


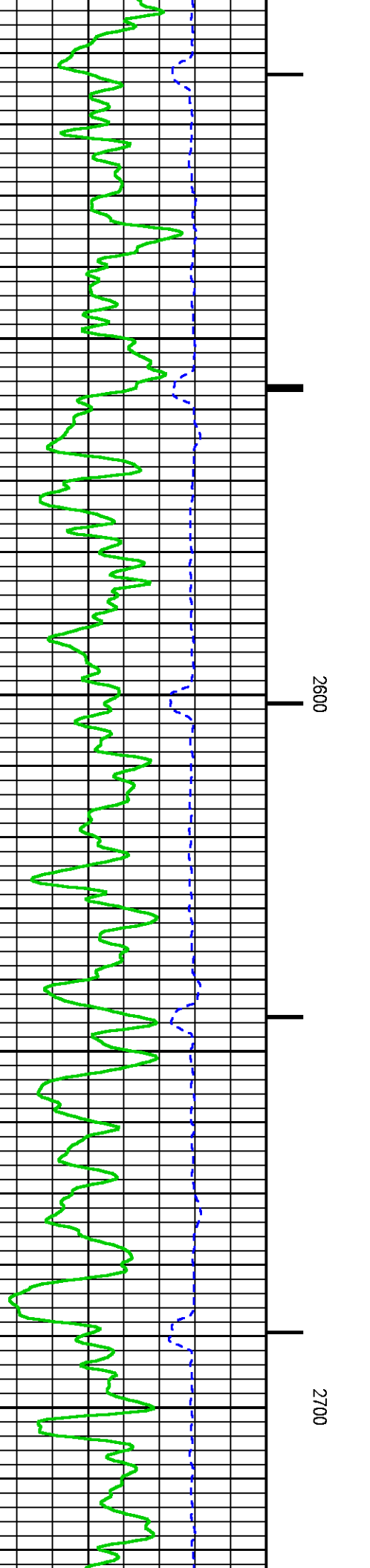
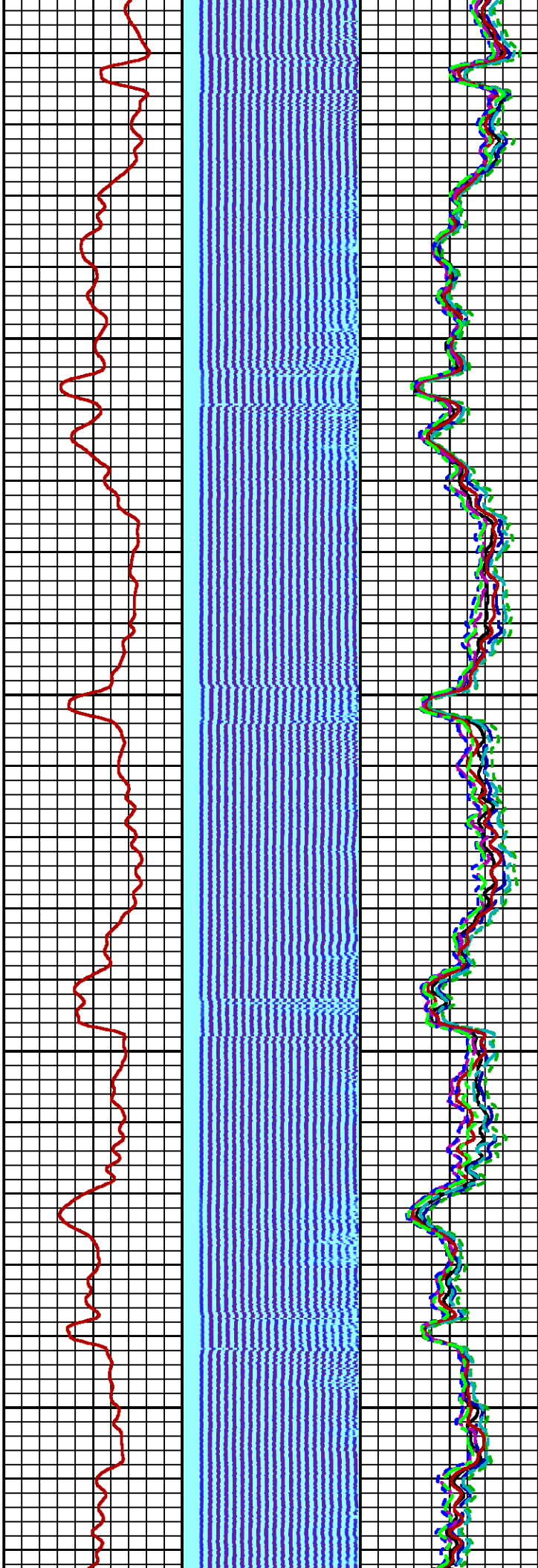


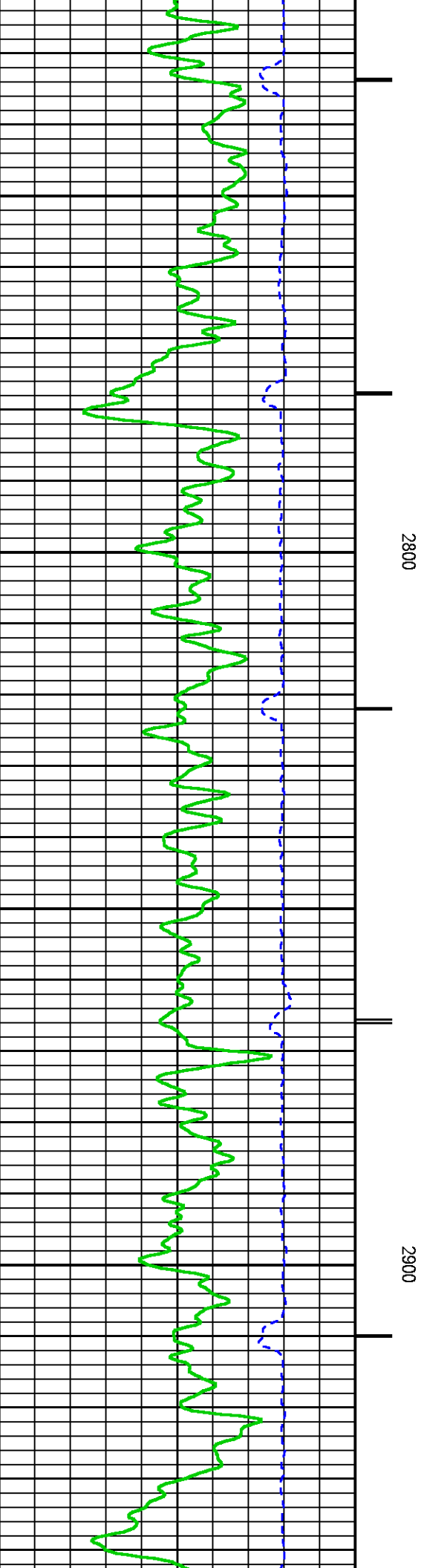
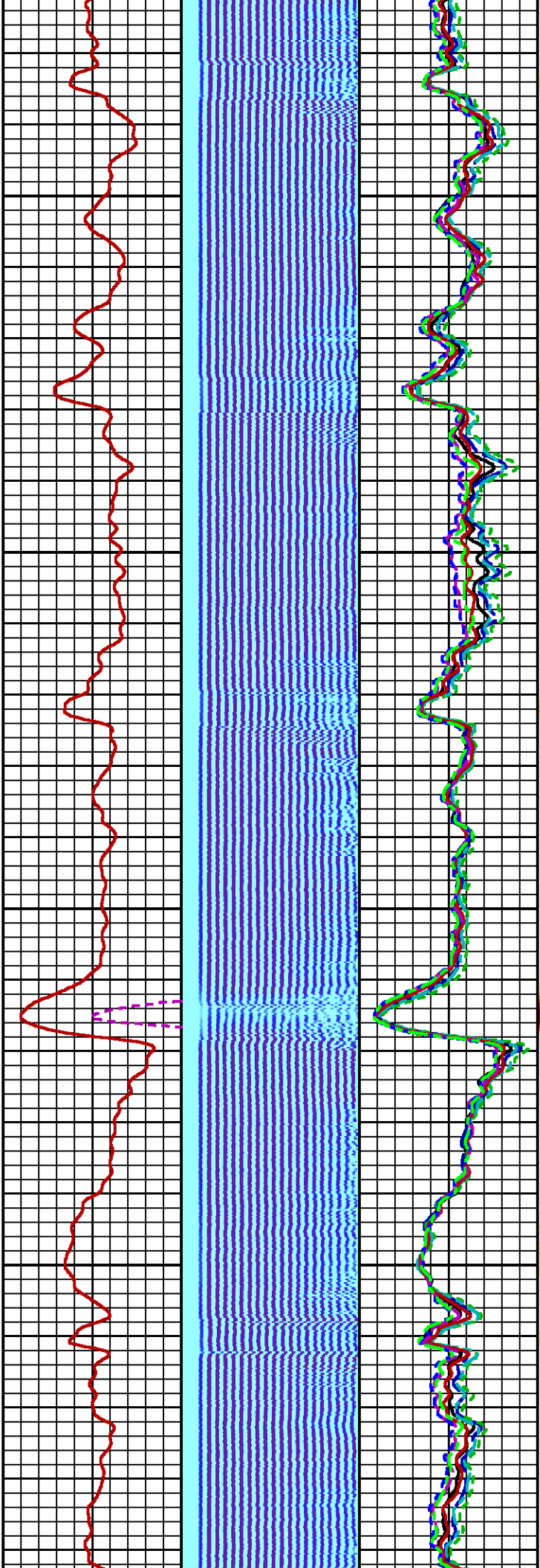
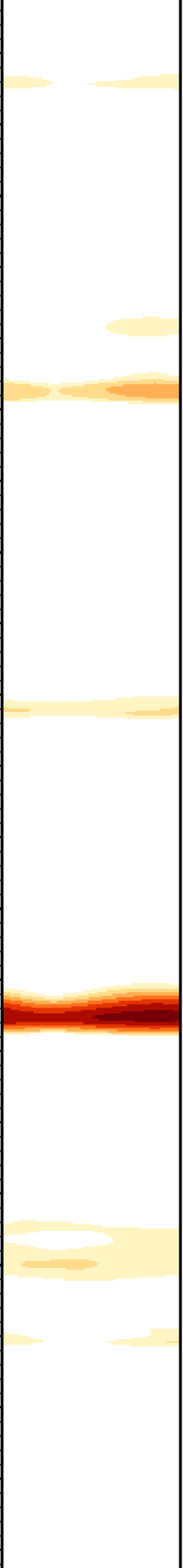


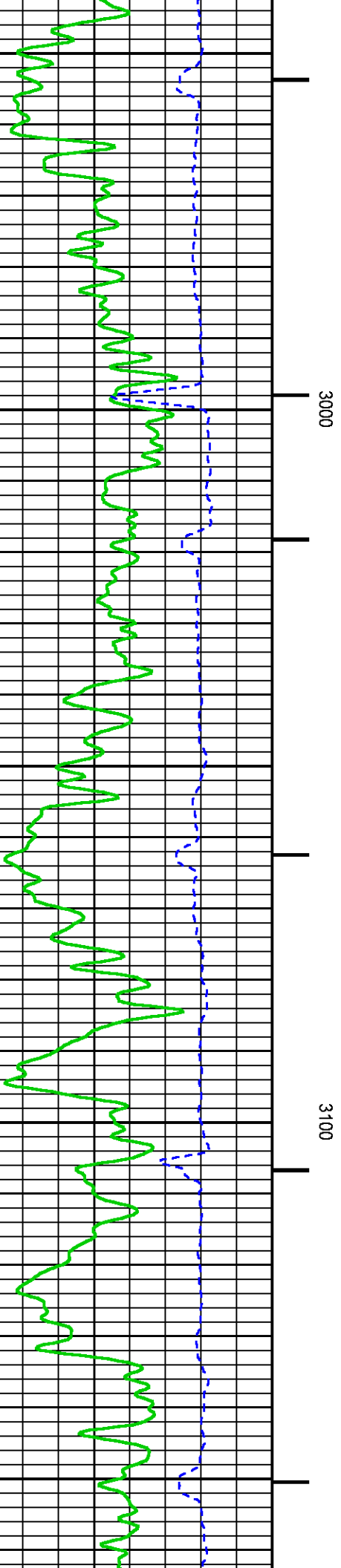
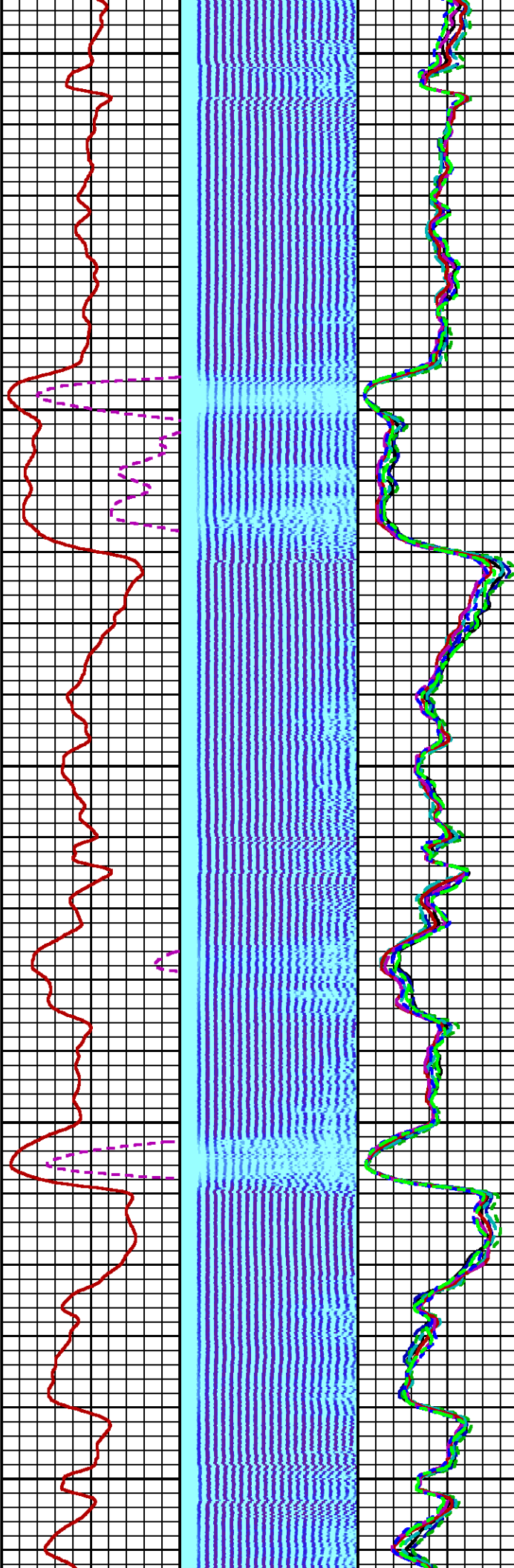
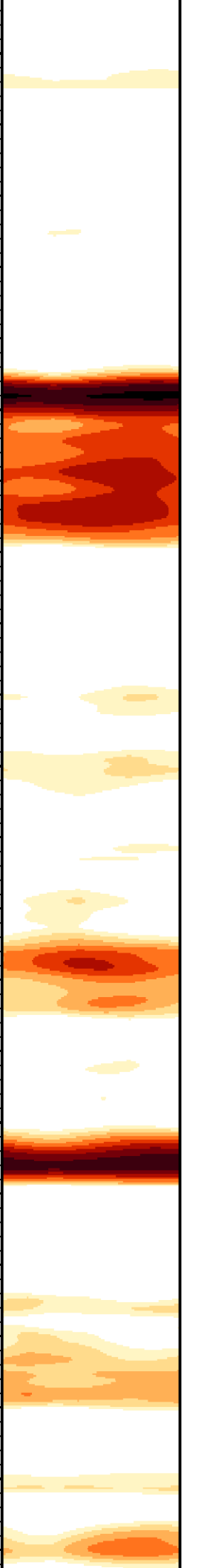


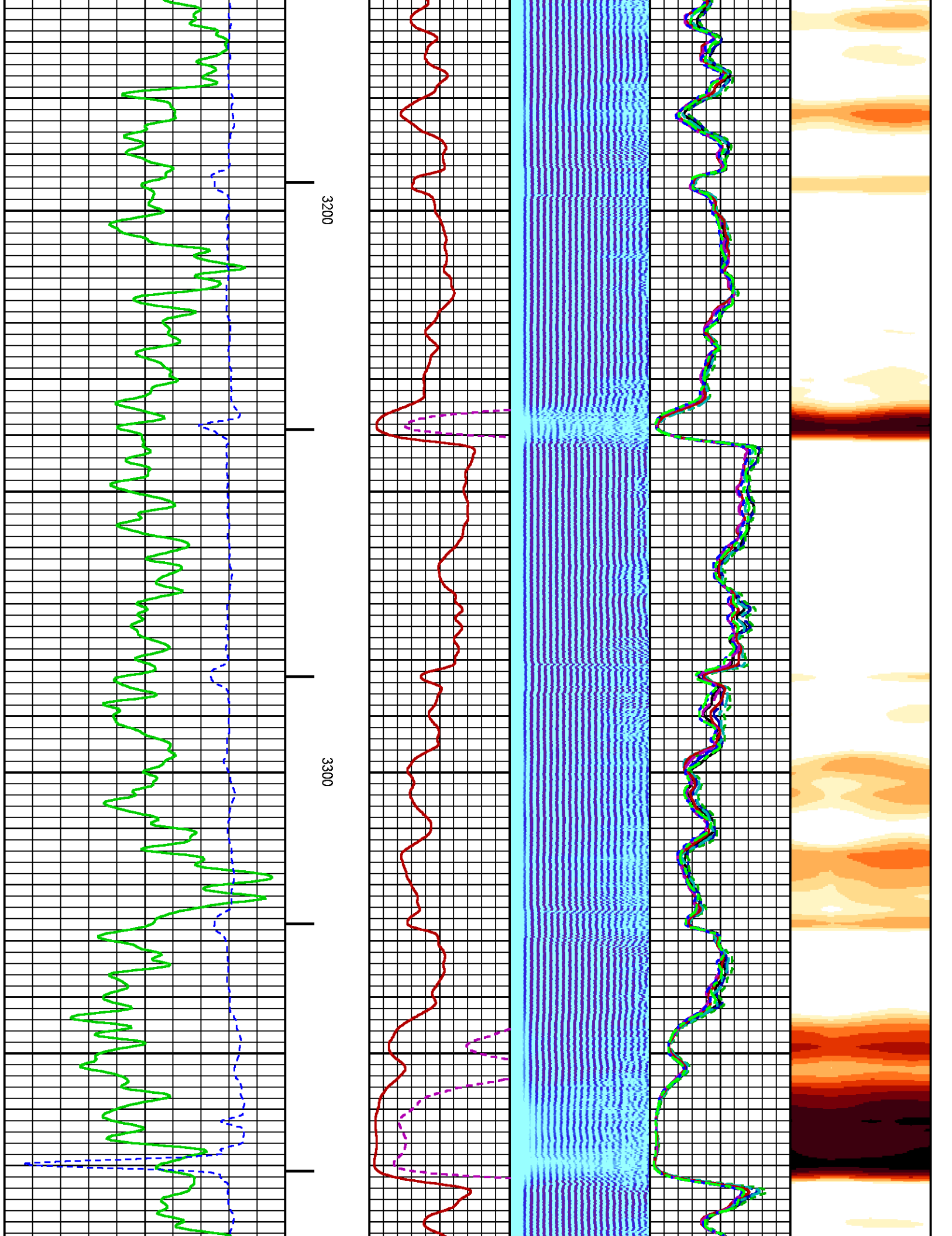


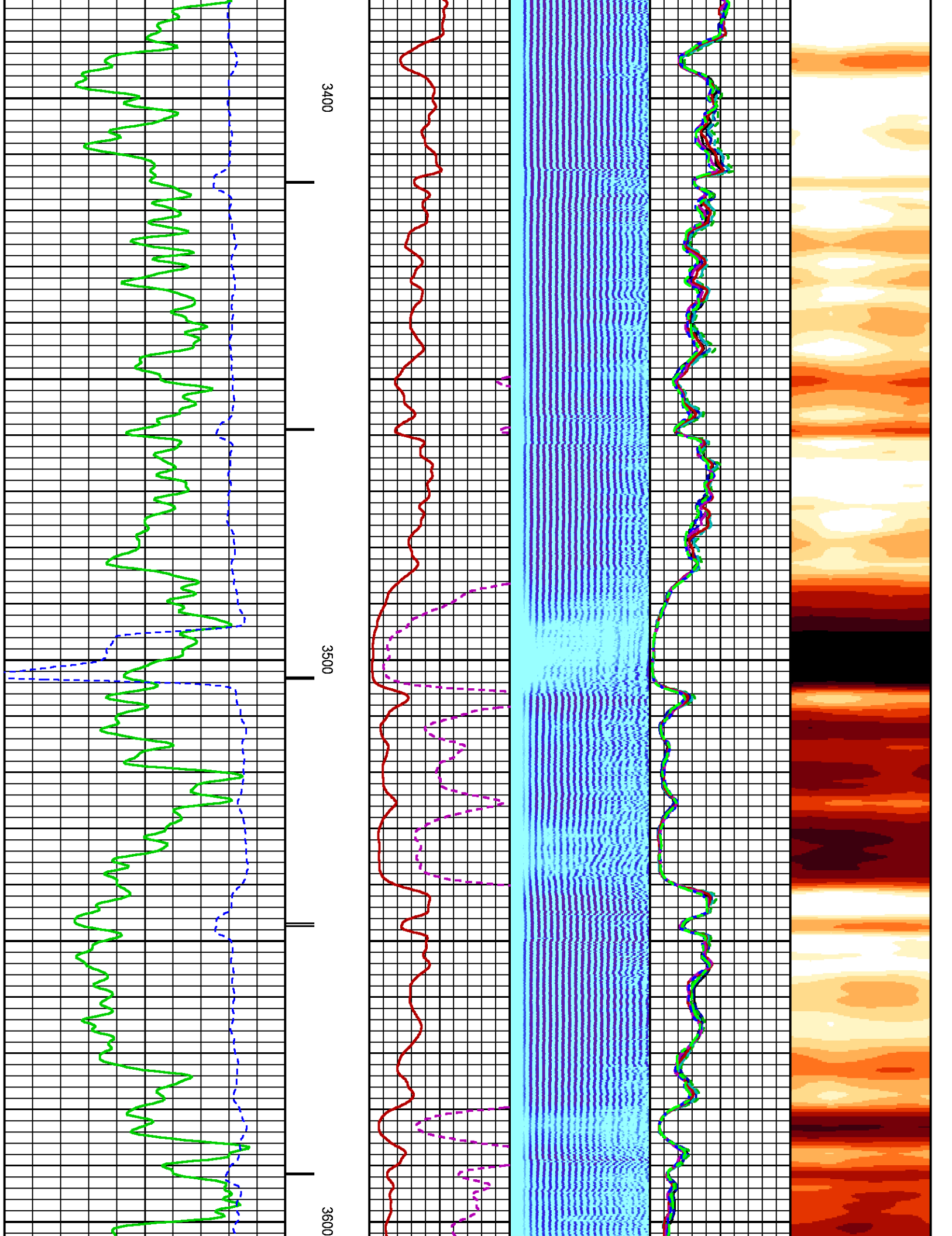


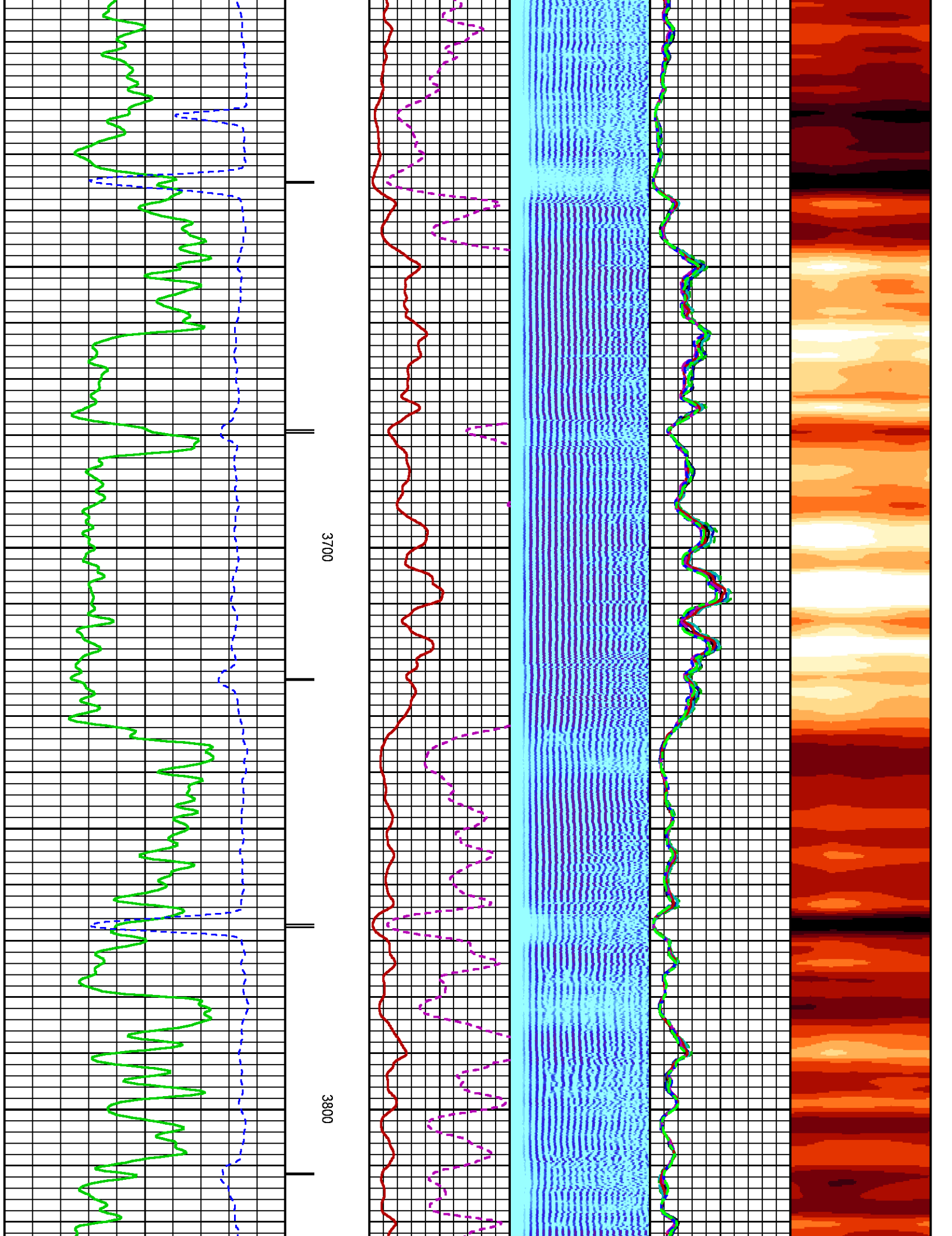


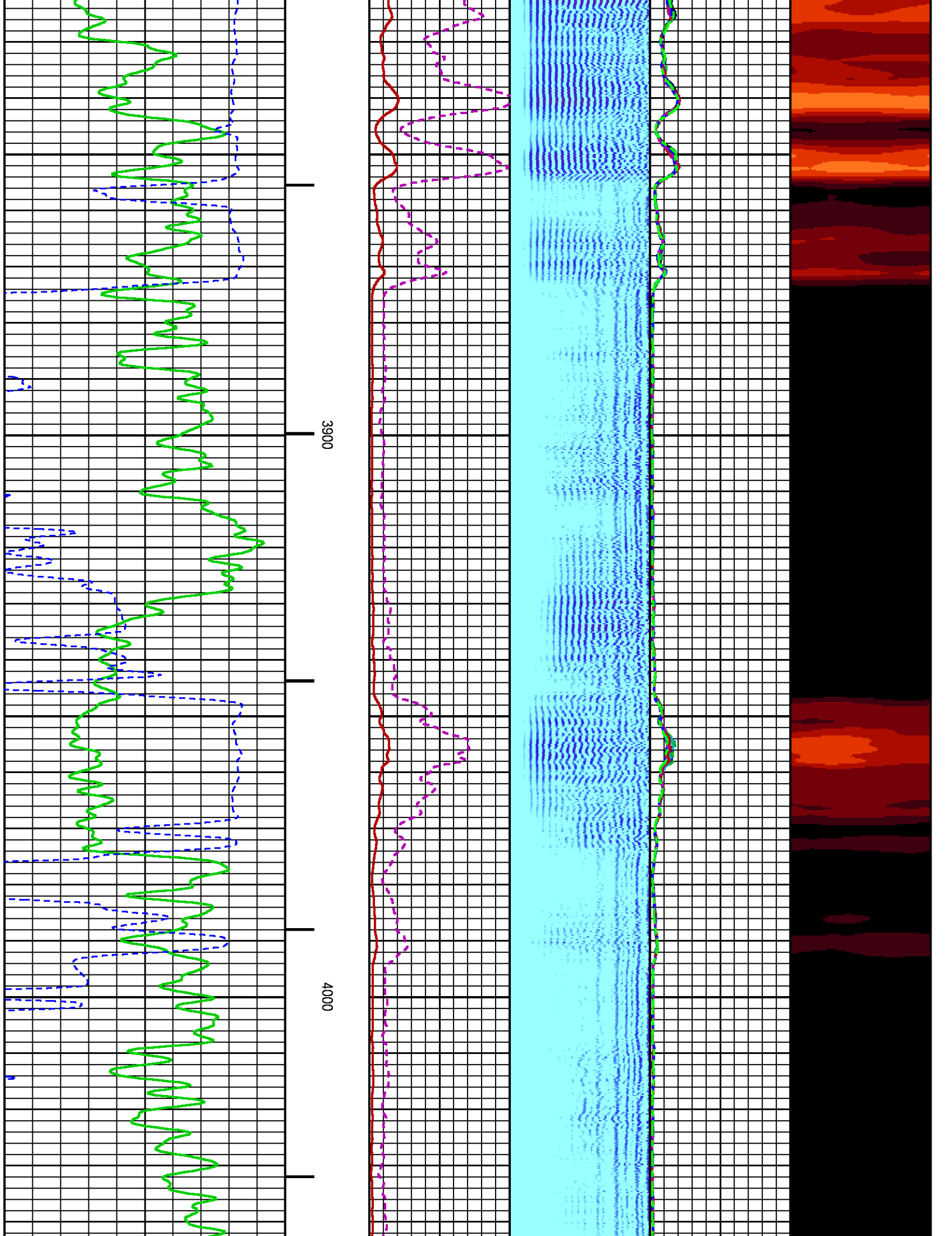


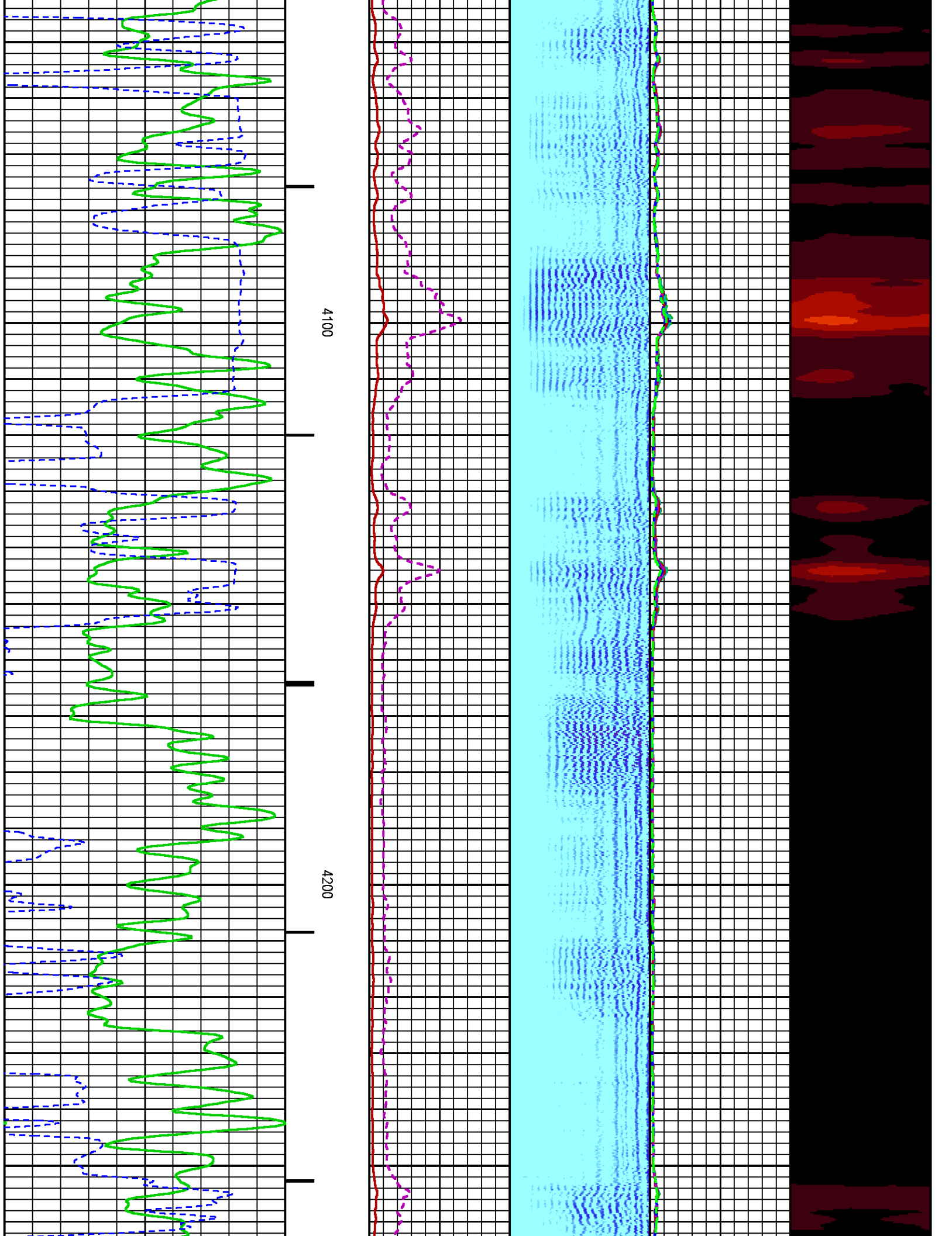


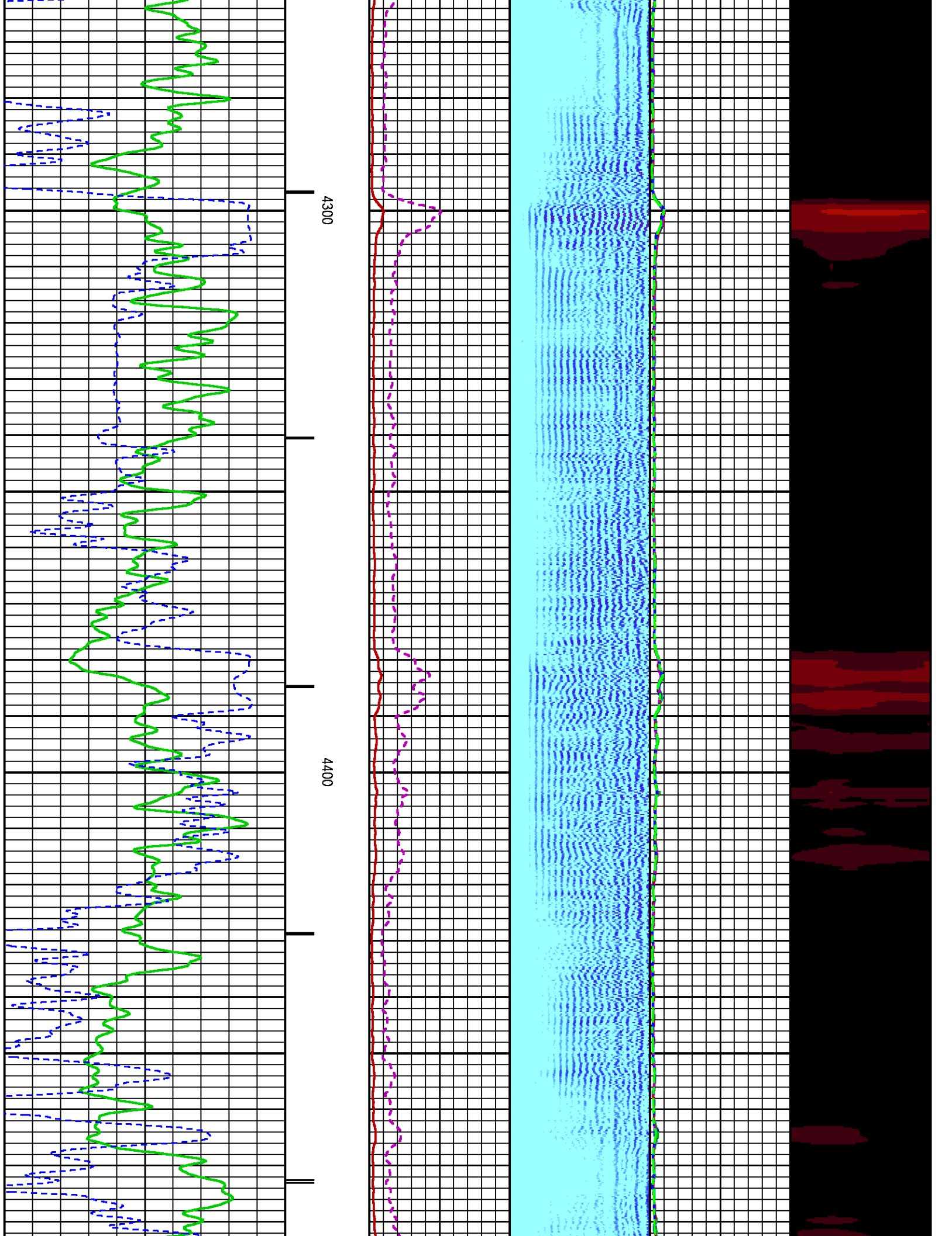


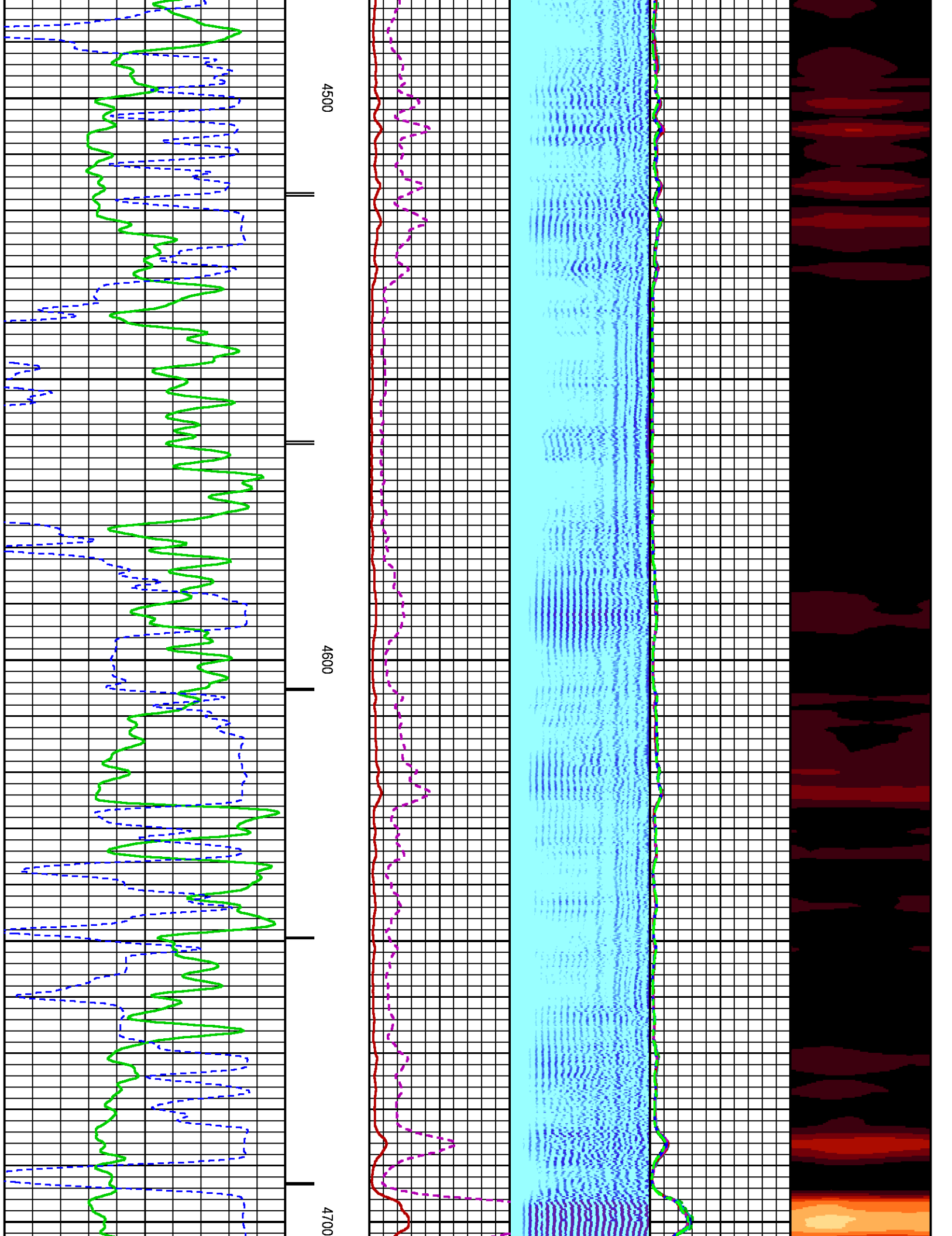


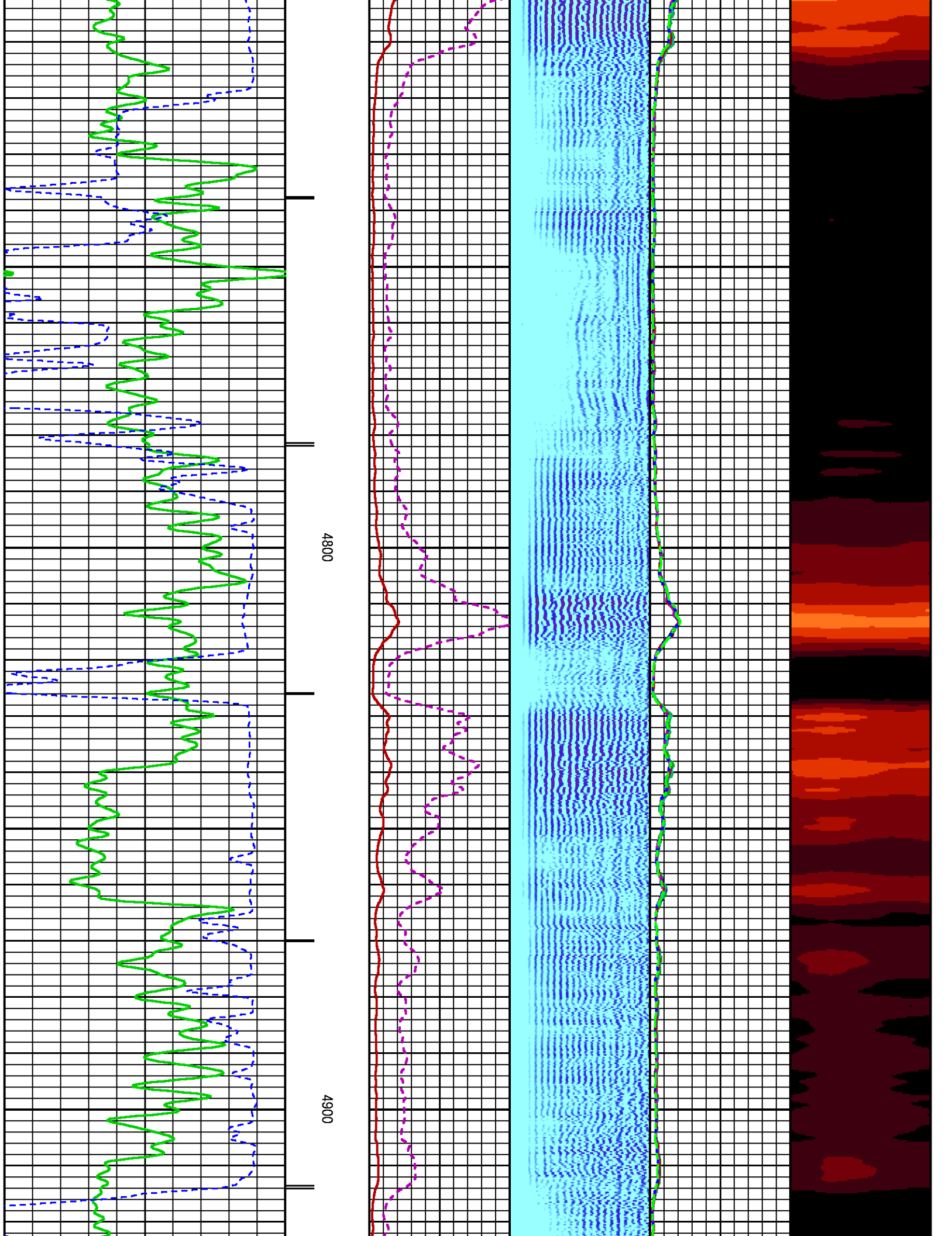


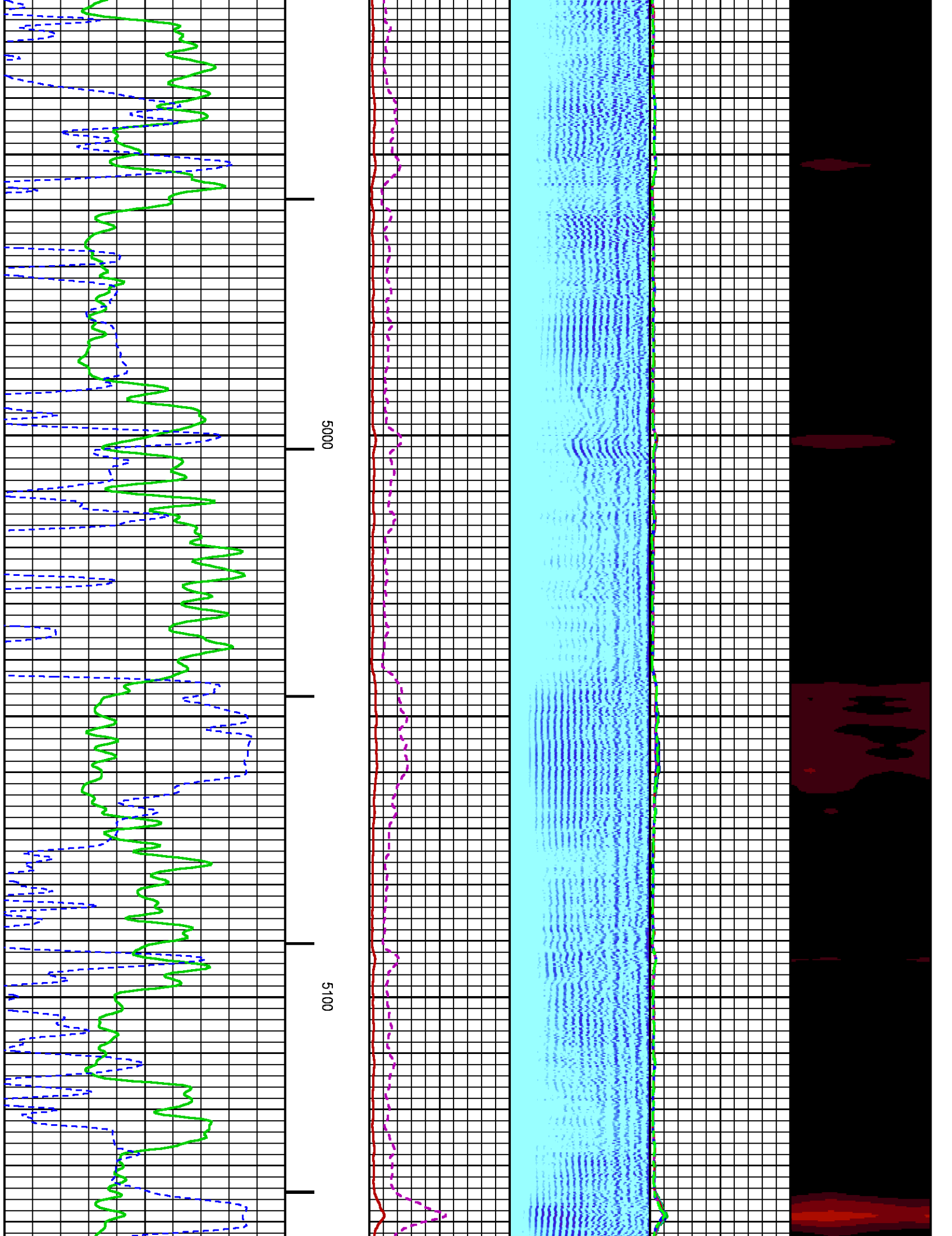


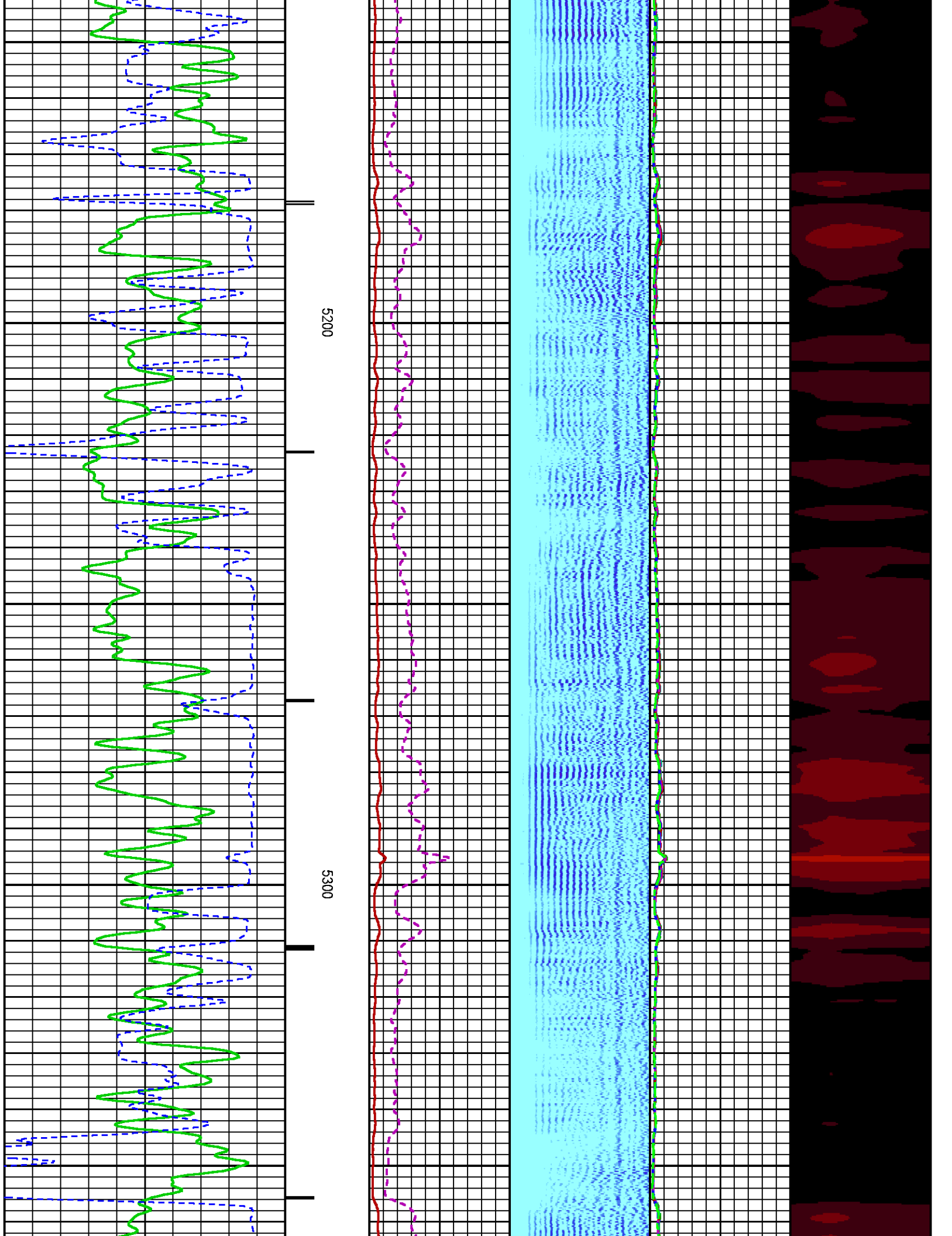


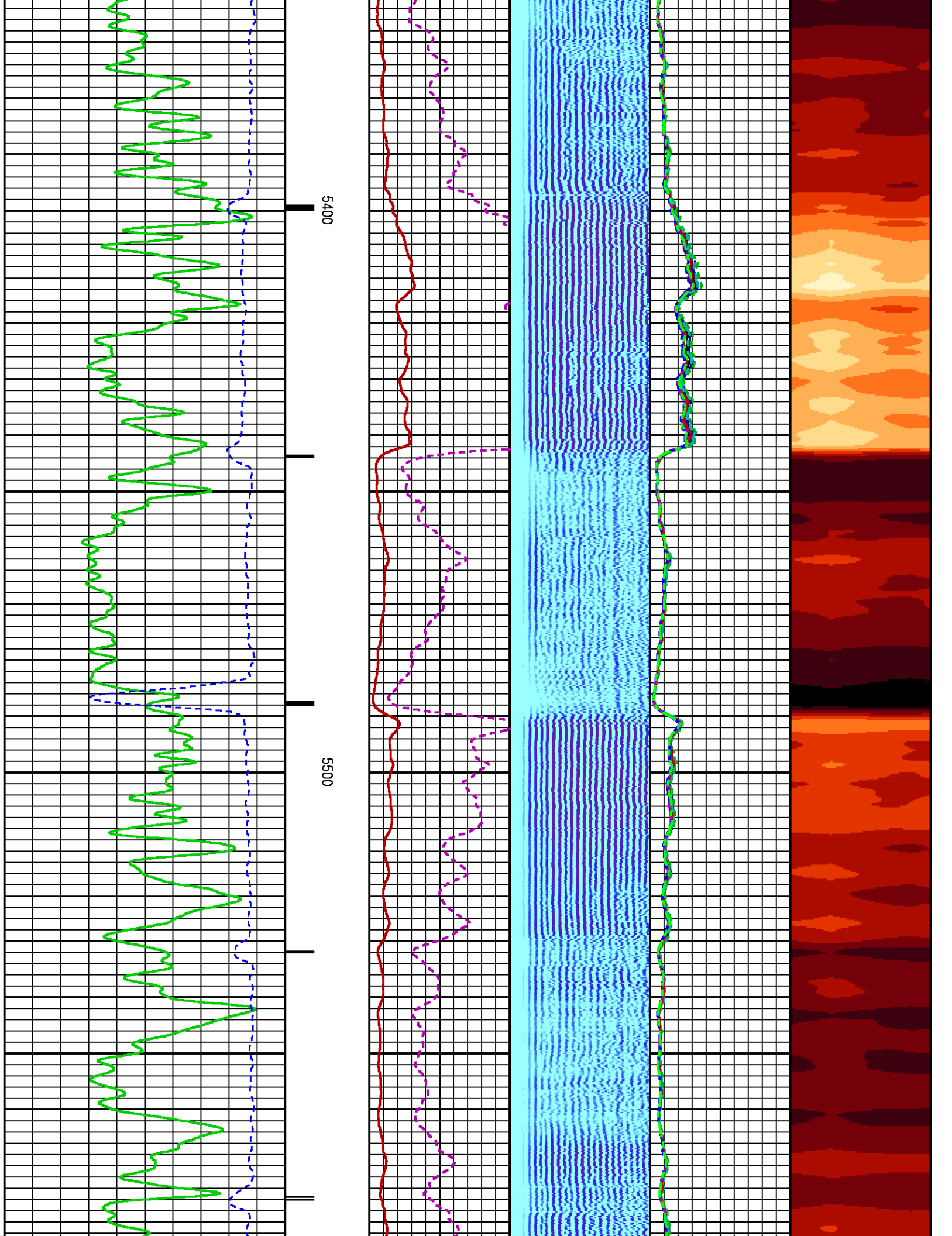


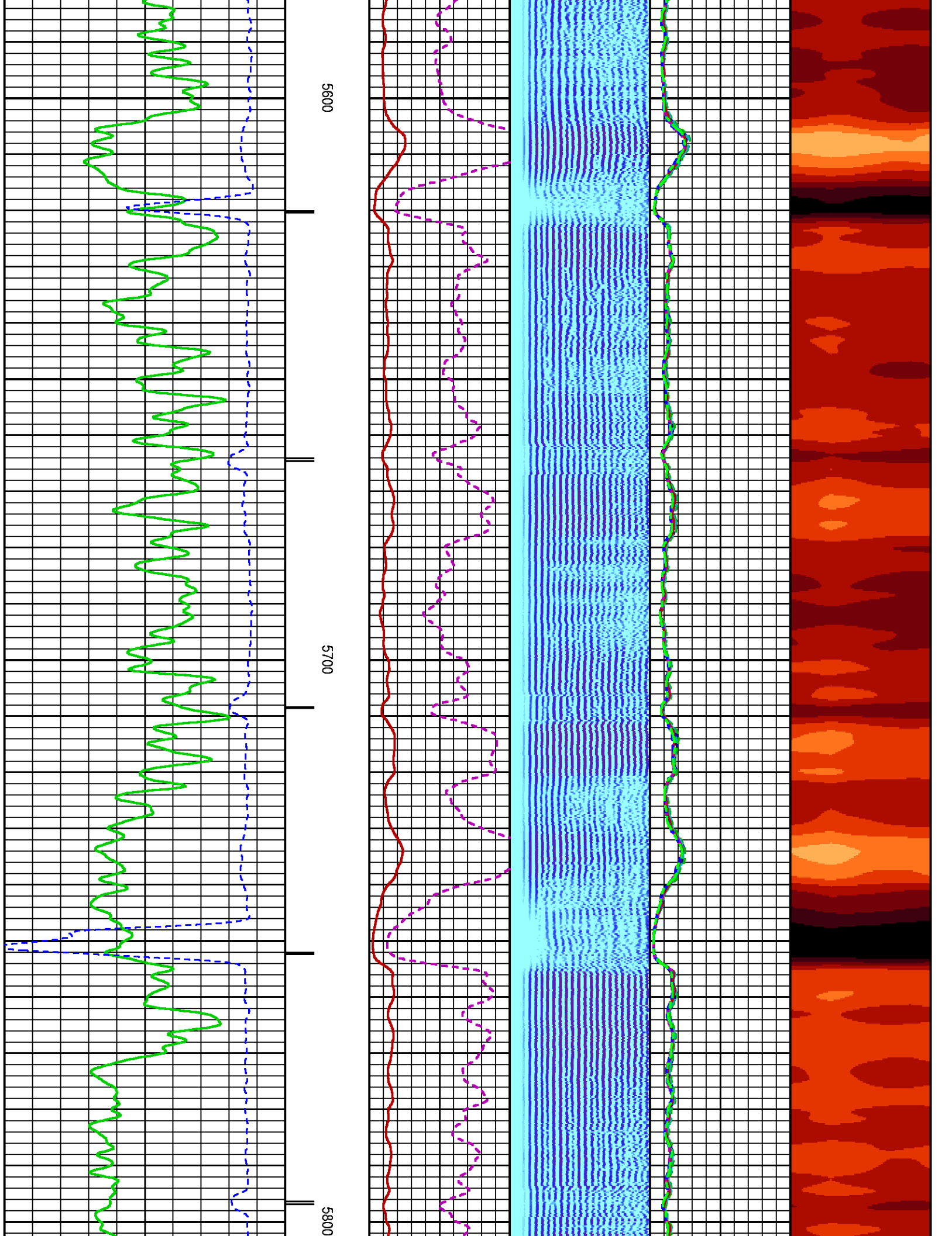


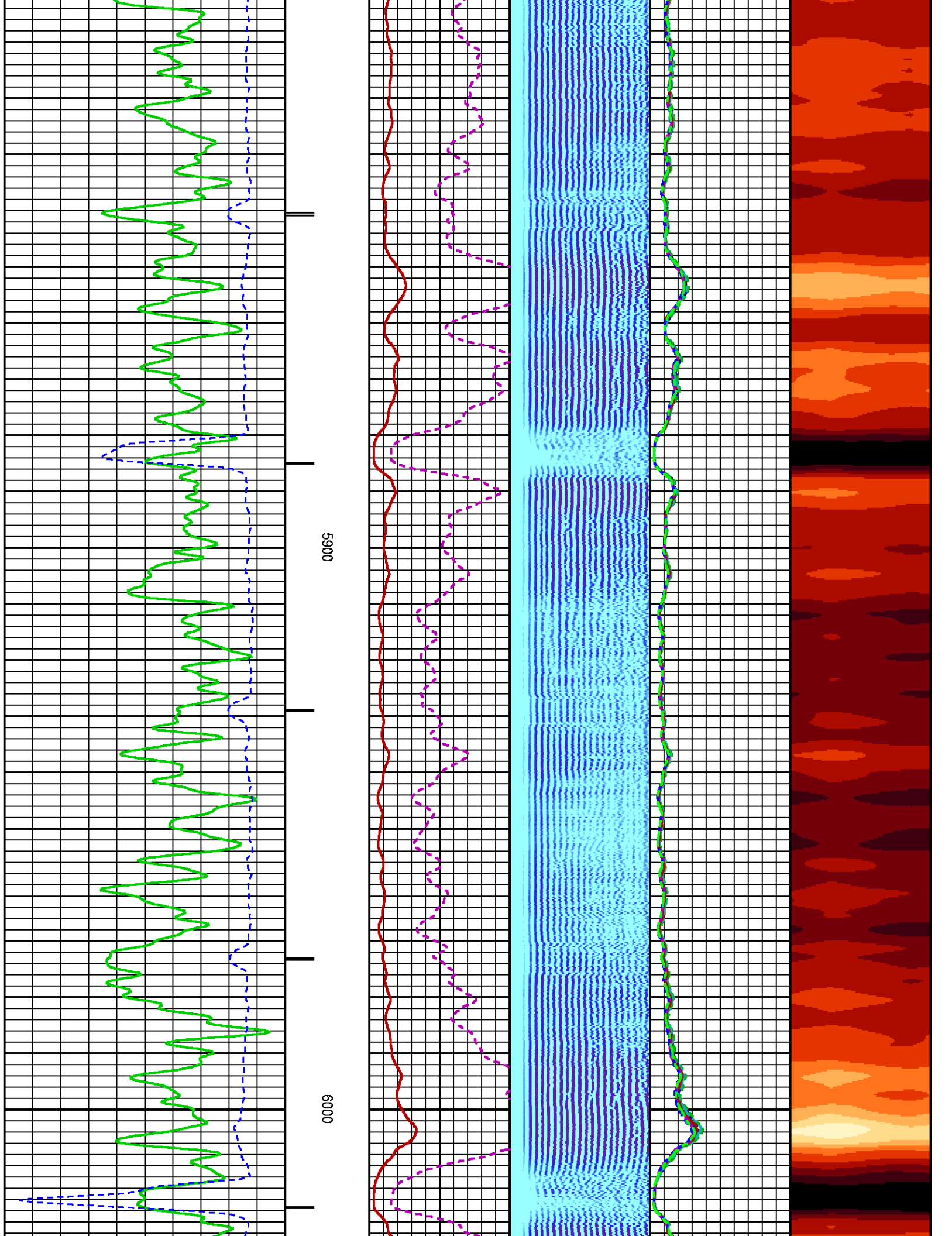


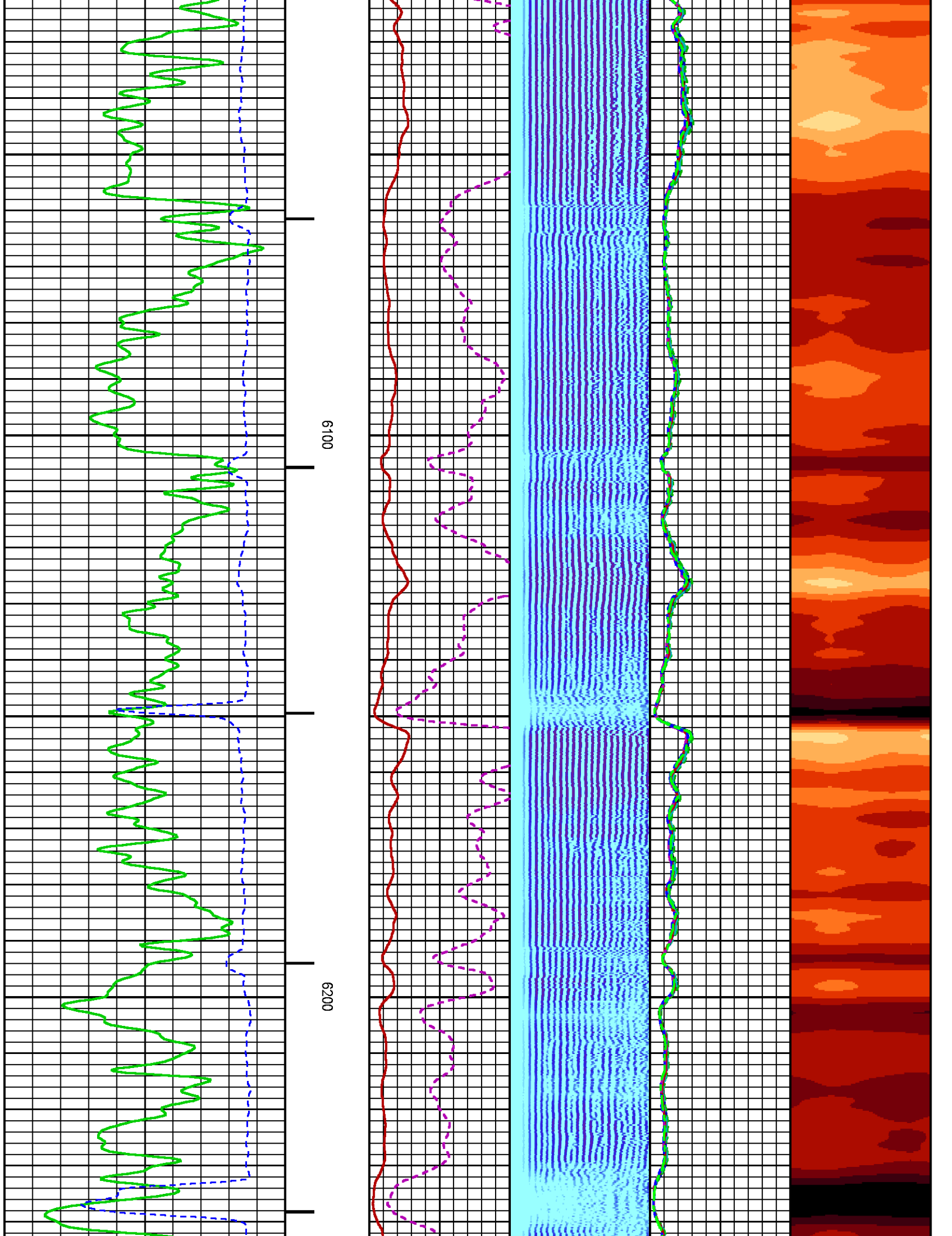


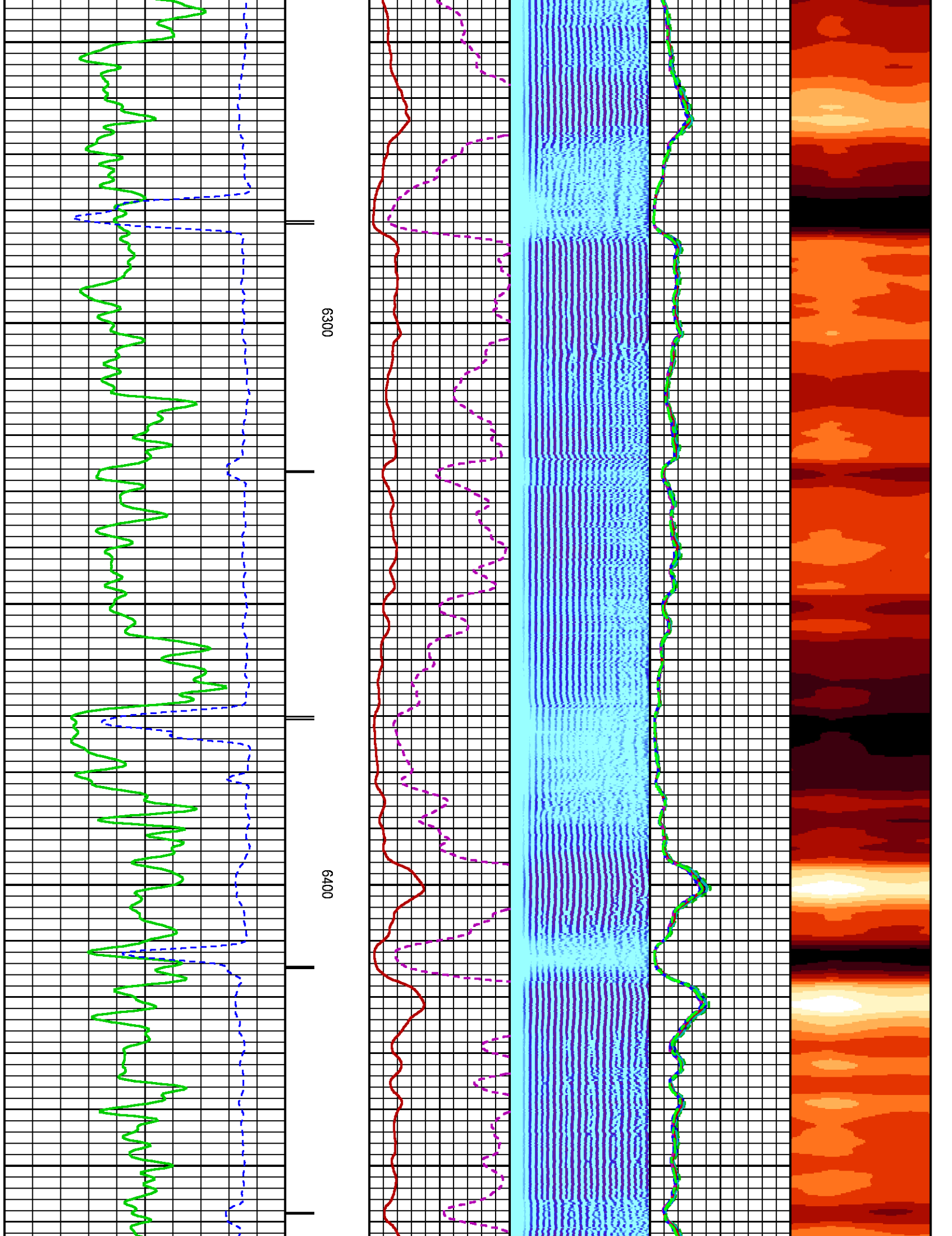


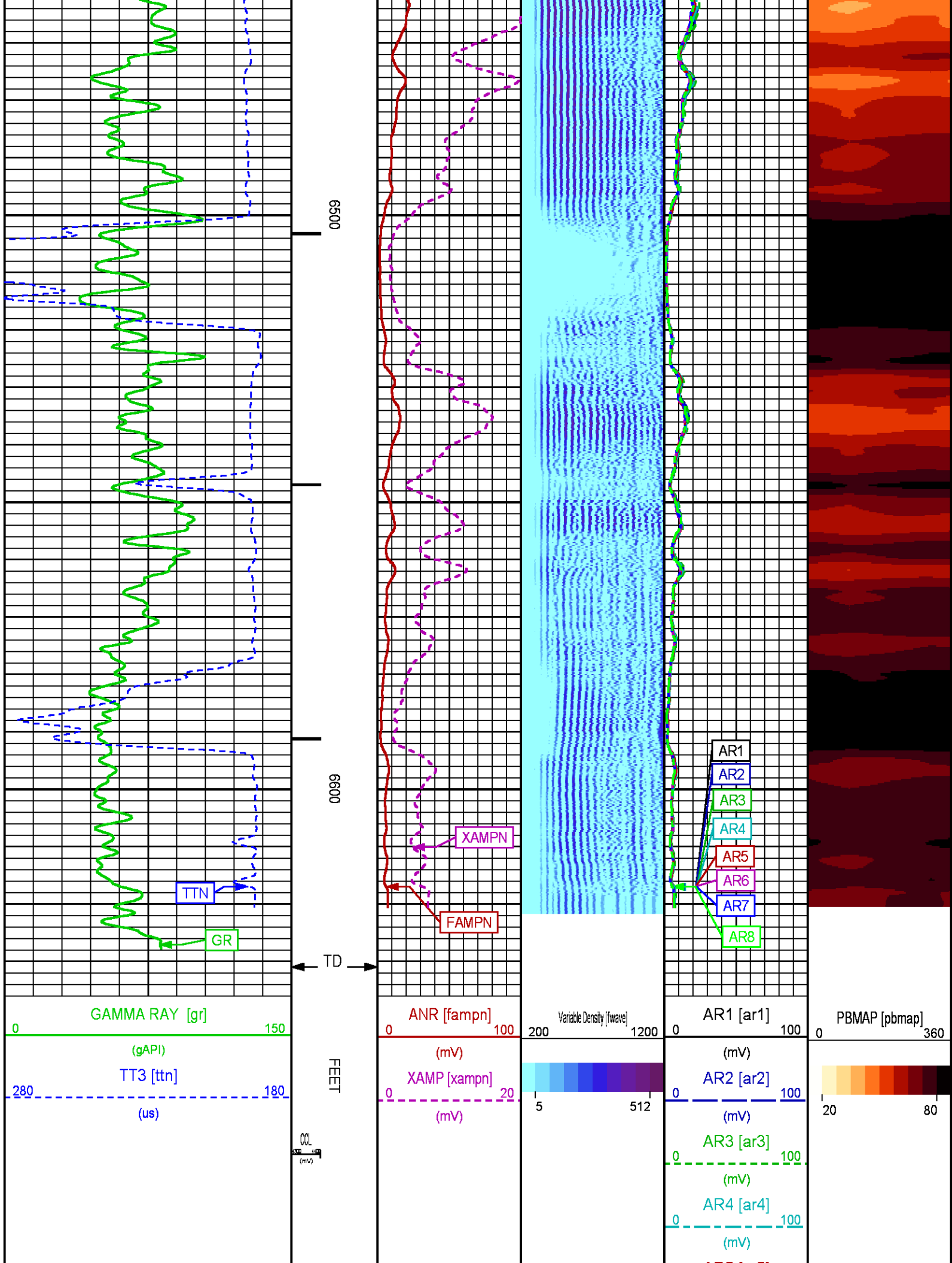


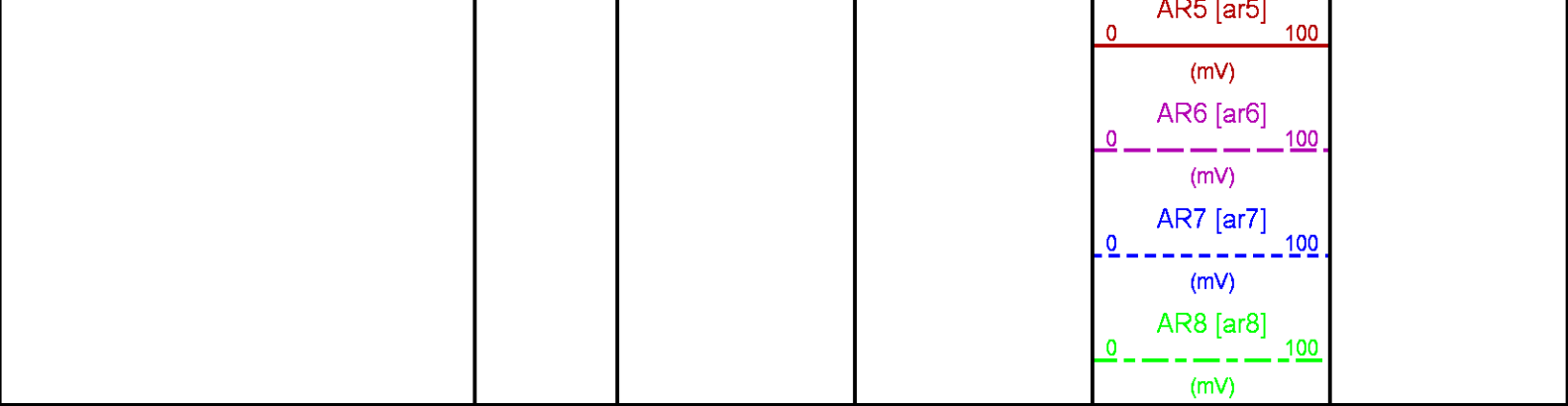












REPEAT PRESENTATION 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1 Patches: 1

Plotted: Tue Jul 22 14:55:53 2014

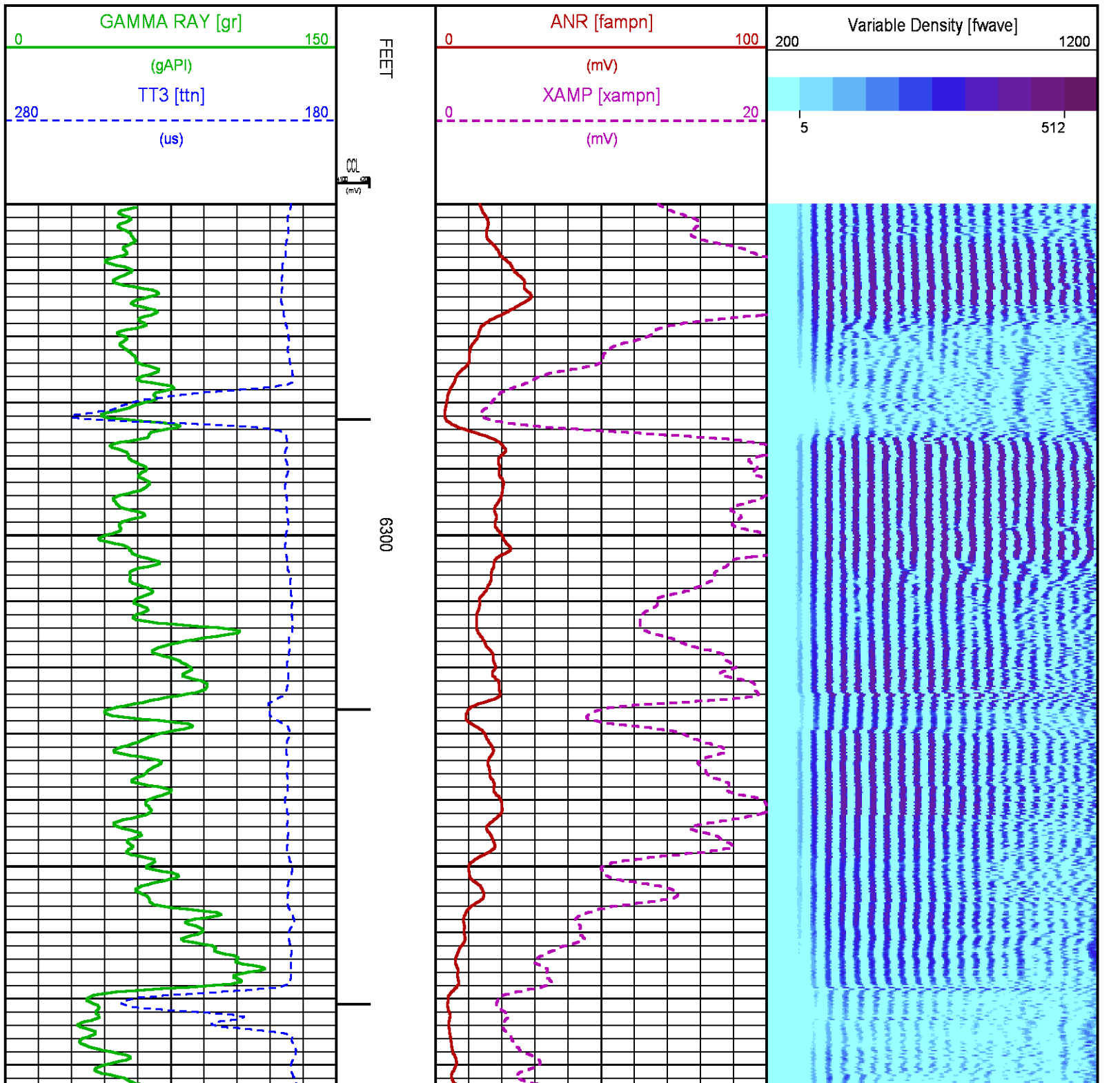
PARAMETER AND FILTER SUMMARY REPORT					
FILE: /dat1a/88608/n012e01.prm					
LOGGING MODE: DEPTH		DIRECTION: UP			
TOP DEPTH: 6256.750 ft		BOTTOM DEPTH: 6637.250 ft			
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (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*)	175	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
				"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-72	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

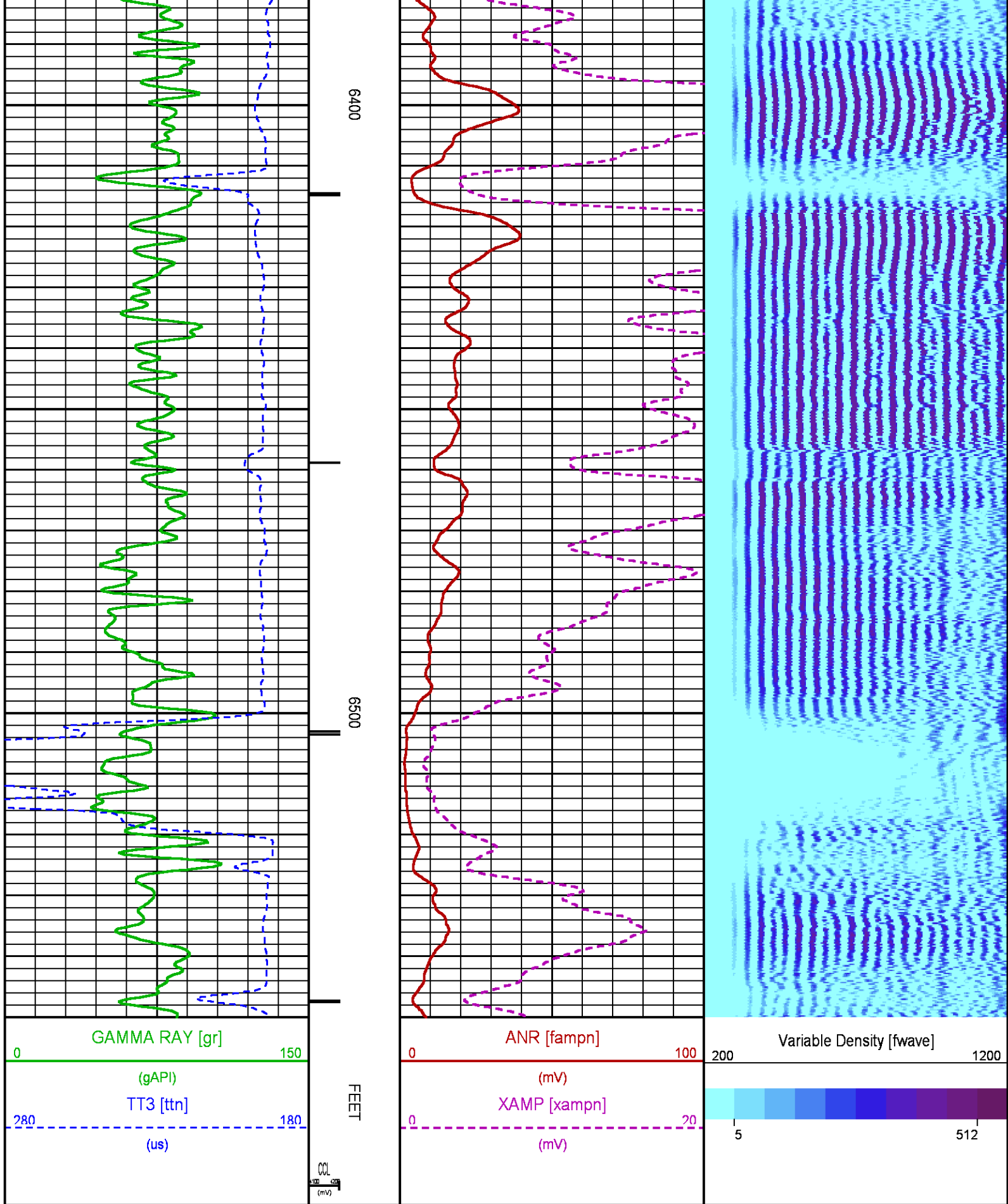
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jul 22 10:28:45 2014	CASING COLLAR LOCATOR
F1:FAMPN	Jul 22 10:28:45 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jul 22 10:28:45 2014	FAR WAVE FORM
F1:GR	Jul 22 10:28:45 2014	GAMMA RAY
F1:TTN	Jul 22 10:28:45 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jul 22 10:28:45 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	8.50	GR	6.50	XAMPN	13.75		
FAMPN	13.75	TTN	13.75				

Presentation : HL6670:/dat1a/88608/34_CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 6250 - 6550 Feet

Data File 1 : F1 : HL6670:/dat1a/88608/34_CBL_REPEAT.xtf
Created On : Jul 22 10:28:45 2014
Company : WPX ENERGY
Well : HICKS PA 34-6
Field : PARACHUTE
File Interval : 6242 - 6636.25 Feet
OCT : n012e





RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218496

DATE/TIME PERFORMED: Tue Jul 22 09:56:10 2014

UNIT #: 3880TA HL6670

	NEAR (mV)	RADIAL (mV)	FAR (mV)
TARGETS	100.00	100.00	150.00

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
ZERO (mV)	0.23	0.14	0.17	0.20	0.21	0.24	0.16	0.20	0.18	2.46	0.00
AMP FLUID (mV)	292	289	294	291	291	292	289	290	289	346	288
TT (us)	218	218	217	216	216	217	217	218	219	323	217
M FACTOR	0.34	0.35	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.44	0.35

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218496

DATE/TIME PERFORMED: Tue Jul 22 09:58:52 2014

DAYS SINCE CAL: 0

UNIT #: 3880TA HL6670

CABLE #: 6670SM SMALL1

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	0.00	0.00	-0.01	0.00	-0.00	0.00	-0.00	0.00	-0.01	0.01	-0.00
AMP AIR	1.59	1.09	1.29	1.46	1.52	1.48	1.53	1.38	1.08	1.48	100.01

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
0.35	0.00	1.00

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 2459XA 10417457

DATE/TIME PERFORMED: Sun Jul 20 07:57:28 2014

UNIT #: 3880TA HL6670

CALB JIG #: 4702NK DA-041

	BACKGROUND (cts)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	59.78	316.80	257.0	0.720	43.03	228.03	185

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 2459XA 10417457

DATE/TIME PERFORMED: Sun Jul 20 07:59:13 2014

UNIT #: 3880TA HL6670

VERI JIG #: 4702NK DA-041

	BACKGROUND (cts)	CALBRTR ON (cts)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	60.31	310.31	0.720	43.41	223.36	179.95
						175.00 195.00

INSTRUMENT CONFIGURATION

Source File: /dat1a/88404/CBL-tdg

CABLEHEAD

Diameter : 2.75"
Length : 2.25'
Weight : 10 lbs
Series : CABL234
Mnemonic : CBLH

RADIAL BOND TOOL

Diameter : 2.75"
Length : 11.17'
Weight : 126 lbs
Series : 1426XA
Mnemonic : RAL
Measure Point: 4.21': NEAR RCVR
Measure Point: 3.25': FAR RCVR

RAL NEUTRON/GR/CCL/CHV DETECTOR

Diameter : 2.75"
Length : 9.42'
Weight : 106 lbs
Series : 2459XA
Mnemonic : RAL
Measure Point: 8.46': CCL
Measure Point: 6.60': GR
Measure Point: 1.21': NEU

BULL PLUG 2 3/4

23.02'

NEAR RCVR 13.81'

FAR RCVR 12.85'

CCL 8.65'


GR 6.79'

NEU 1.40'

0.00'

TOTAL LENGTH 23.02'

TOTAL LENGTH: 23.02'
TOTAL WEIGHT: 258 lbs
MAX DIAMETER: 0'4.00"

	COMPANY <u>WPX ENERGY</u>		FILE NO:
	WELL <u>HICKS PA 34-6</u>		<u>CH088608</u>
	FIELD <u>PARACHUTE</u>		API NO:
	COUNTY <u>GARFIELD</u>	STATE <u>CO</u>	<u>05045224100000</u>
LOCATION: SHL: 793' FSL & 2224' FWL BHL: 1138' FSL & 1890' FEL		ELEVATIONS: KB 5160 FT DF GL 5135 FT	6 7S 95W PA 24-6 PAD AZTEC 1000
SEC <u>6</u> TWP <u>7S</u> RGE <u>95W</u>		DATE 22-Jul-2014	

