



FILE NO: CH093874	COMPANY WPX ENERGY
API NO: 0504522370000	WELL FEDERAL PA 441-27
	FIELD PARACHUTE
	COUNTY GARFIELD
	STATE COLORADO

Version 27 6S 95W DOE 2-W-27 PAD NABORS 576	LOCATION: SHL: 2337' FNL & 647' FEL BHL: 236' FNL & 491' FEL (NENE) SEC 27 TWP 6S RGE 95W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB	ELEVATION 5856 FT 26 FT ABOVE P.D.	ELEVATIONS: KB 5882 FT DF GL 5856 FT
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DATE	11-Jan-2015		
RUN	1	1	
SERVICE ORDER	US093874		
DEPTH DRILLER	8968 FT		
DEPTH LOGGER	8916 FT		
BOTTOM LOGGED INTERVAL	8906 FT		
TOP LOGGED INTERVAL	26 FT		
TIME STARTED	0800		
TIME FINISHED	1130		
OPERATOR RIG TIME	3.5 HOURS		
TYPE OF FLUID IN HOLE	WATER		
FLUID DENSITY	NA		
FLUID SALINITY	NA		
FLUID LEVEL	72 FT		
LOGGED CEMENT TOP	NA		
WELLHEAD PRESSURE	0 PSI		
MAXIMUM HOLE DEVIATION	NA		
NOMINAL LOGGING SPEED	65 FMIN		
MAX. RECORDED TEMP.	249 DEGF		
REFERENCE LOG	NA		
REFERENCE LOG DATE	NA		
EQUIP. NO.	4271	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	2979 FT
8.75 IN	2979 FT	8968 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			26 FT	2979 FT
4.5 IN	11.6 LB/F	I-80	26 FT	8968 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 +2.5 feet.

Logged with Zero PSI at wellhead.

BHT = 249degF

SJ = 5456'- 5478'

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

## 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: Sun Jan 11 14:51:30 2015

## PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093874\012g02.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 27.500 ft BOTTOM DEPTH: 8920.000 ft

## SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	light (2a)		"	"
TRAVEL TIME	FILTER ()	medium (1)		"	"

## RAL CCL PROCESSING

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

## ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	183	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	171	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-70	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

## CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jan 11 08:38:58 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 11 08:38:58 2015	FAR WAVE FORM
F1:GR	Jan 11 08:38:58 2015	GAMMA RAY
F1:TTN	Jan 11 08:38:58 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

## CURVE MEASURE POINT OFFSET

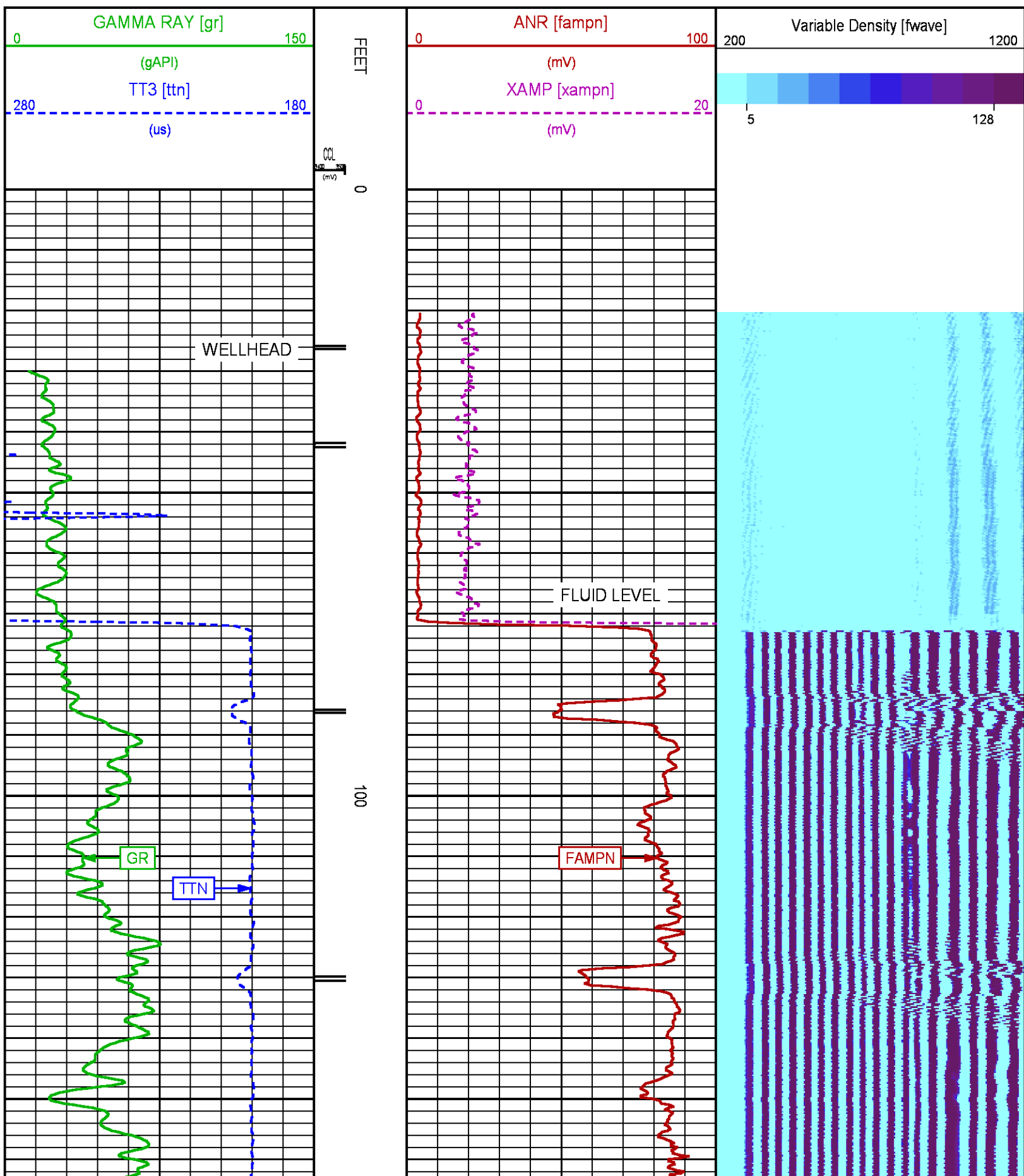
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

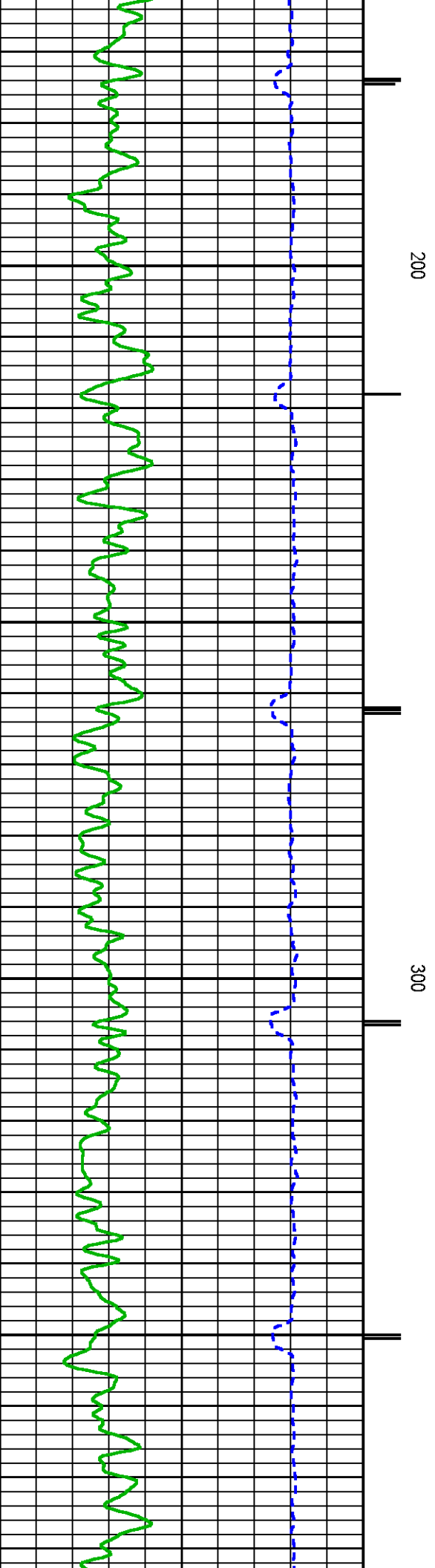
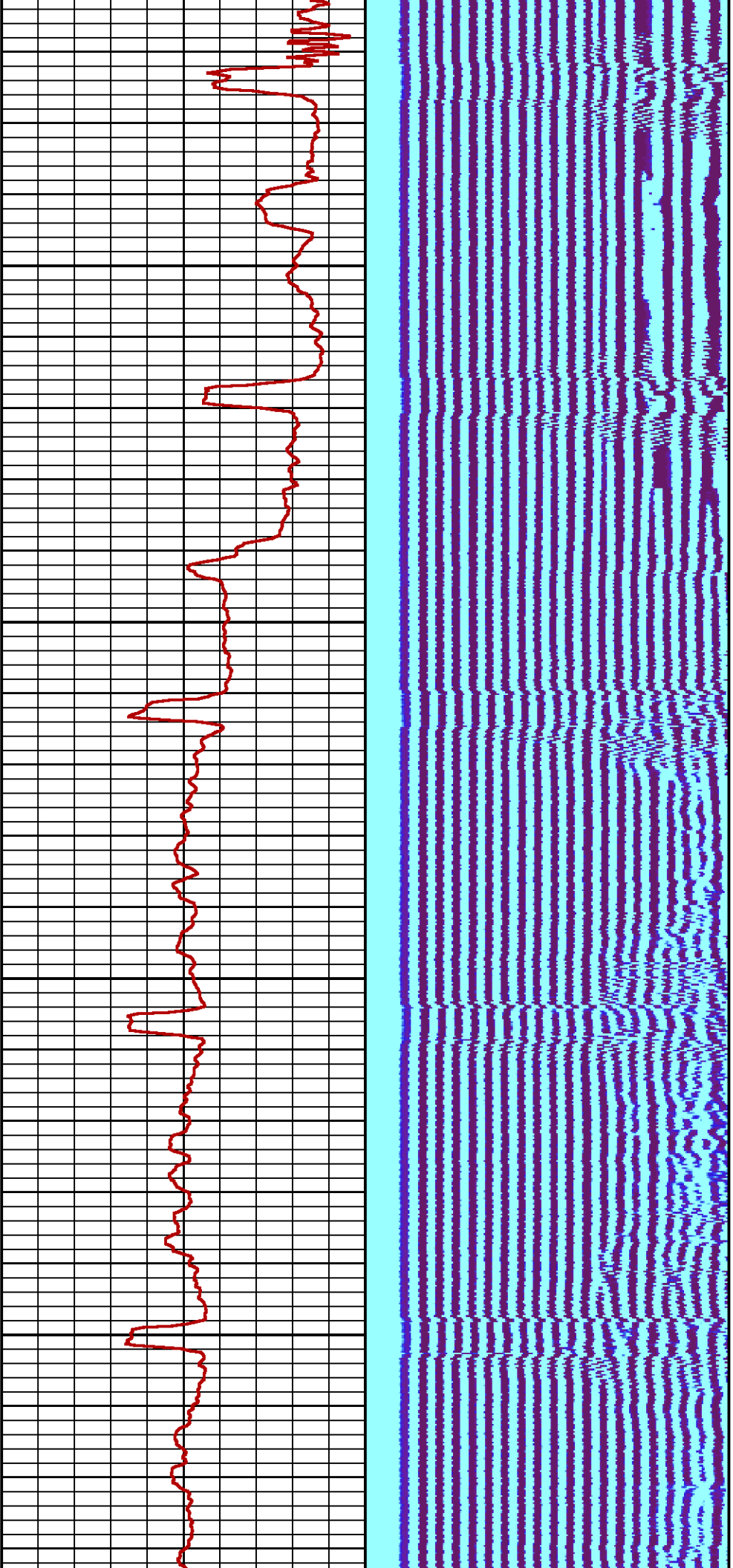
Presentation : BHUGHES-06627:C:\dat1a\093874\441\_CBL\_PRIMARY.fvpdf [5"/100' Scale]

Plot Interval : 0.8035 Feet

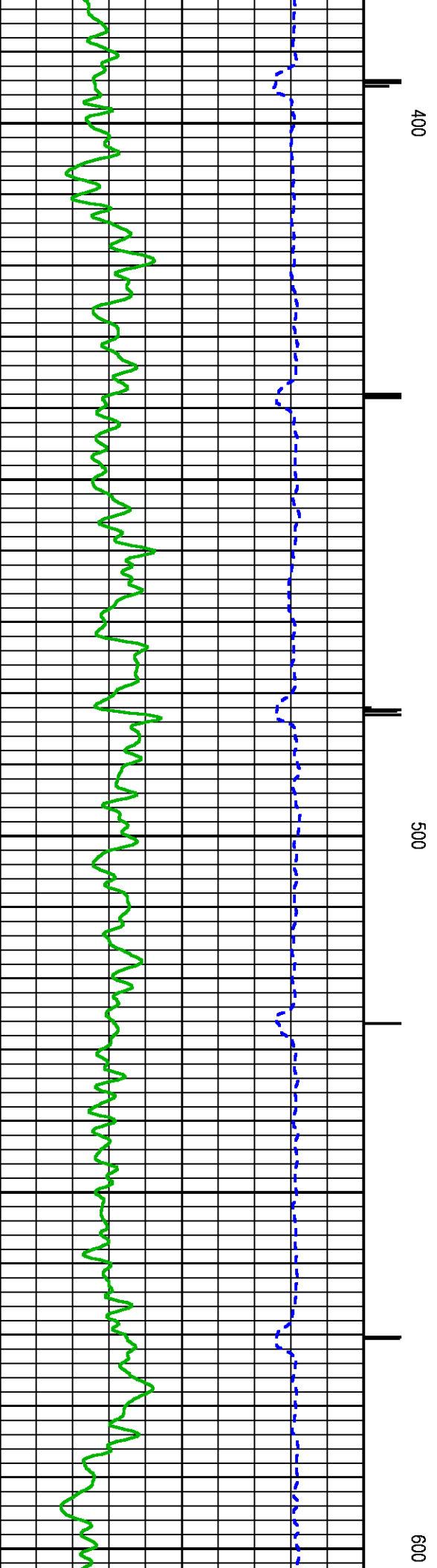
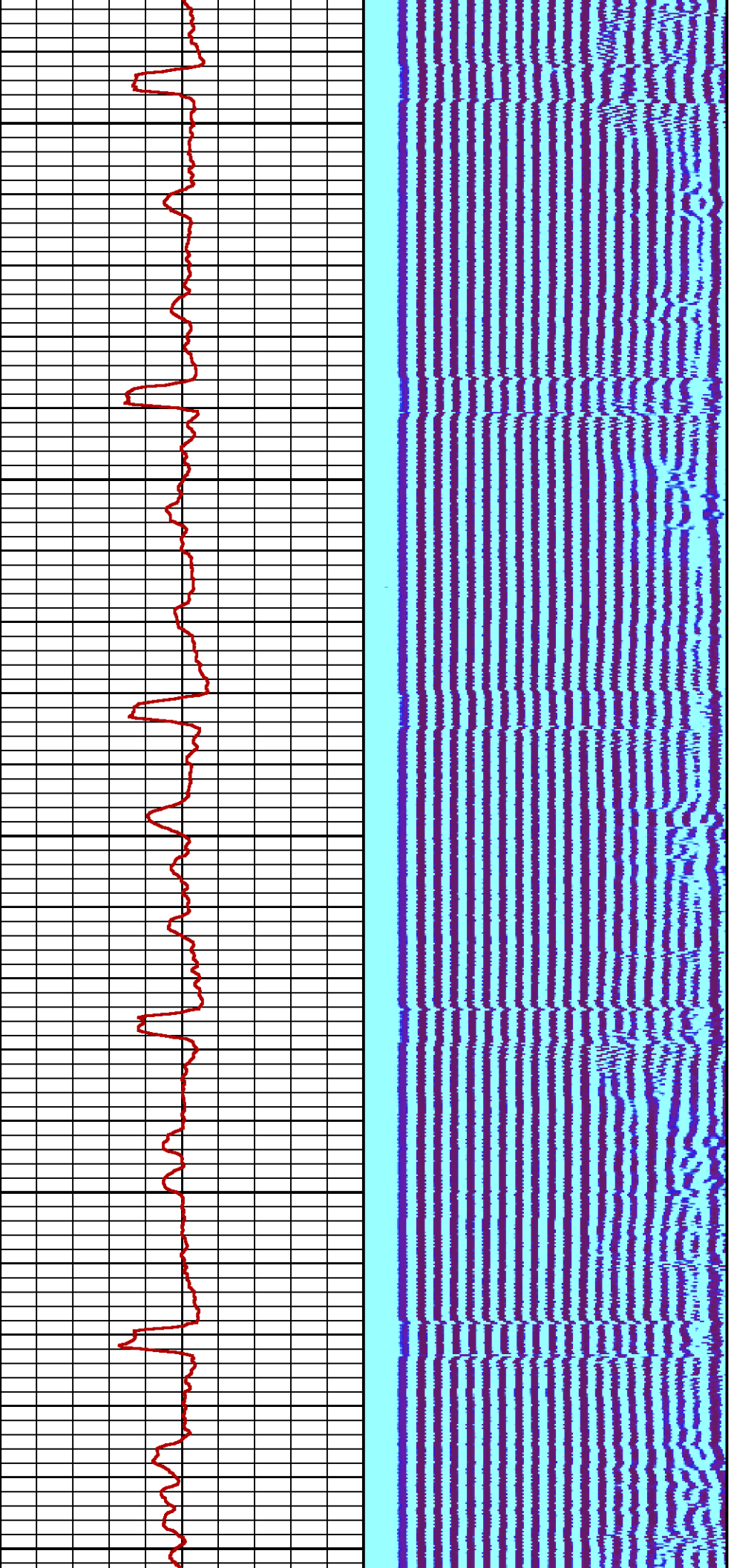
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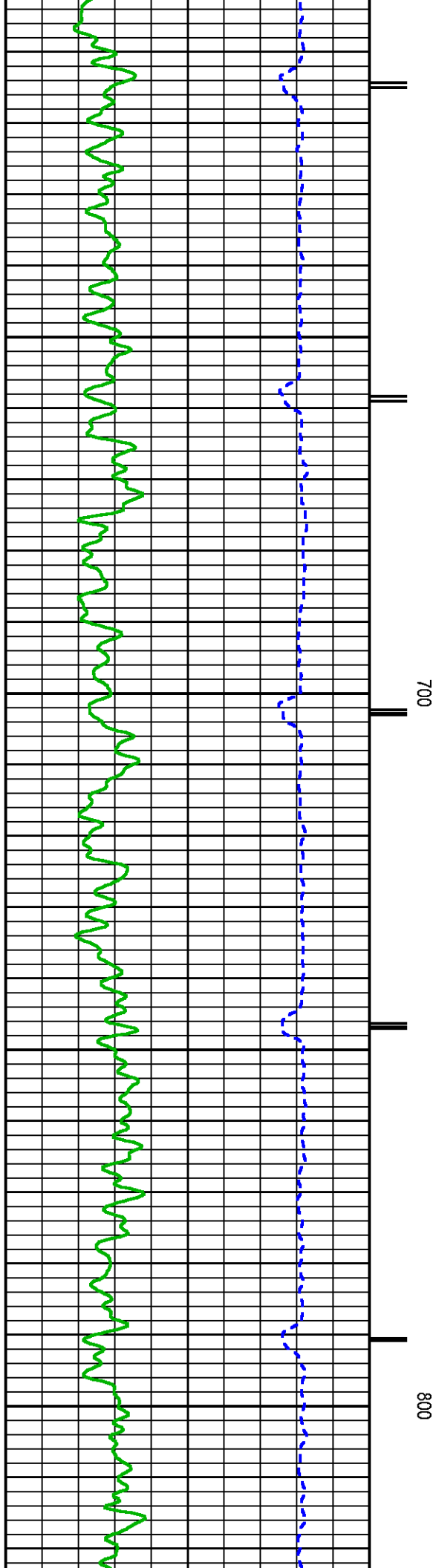
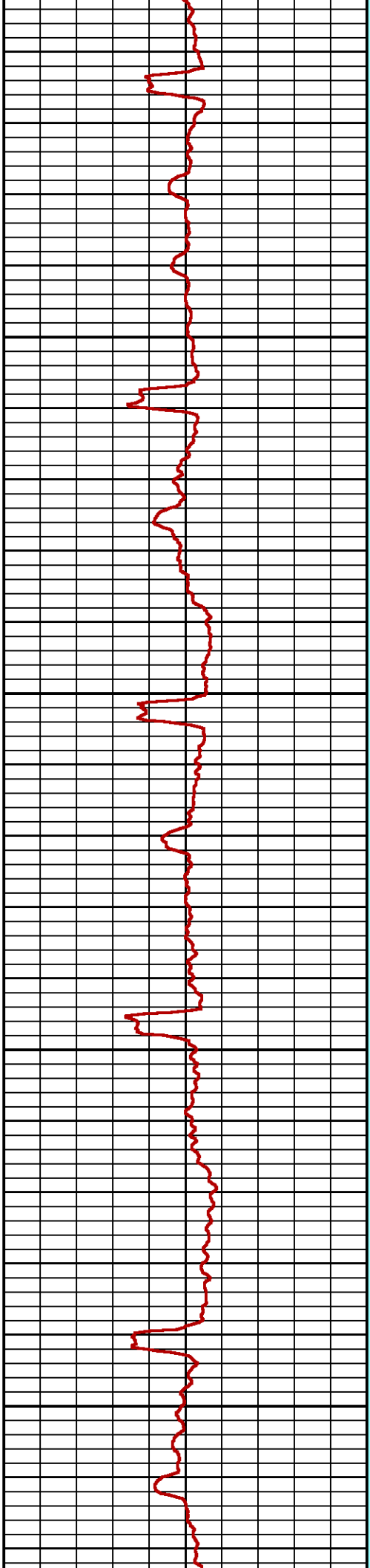
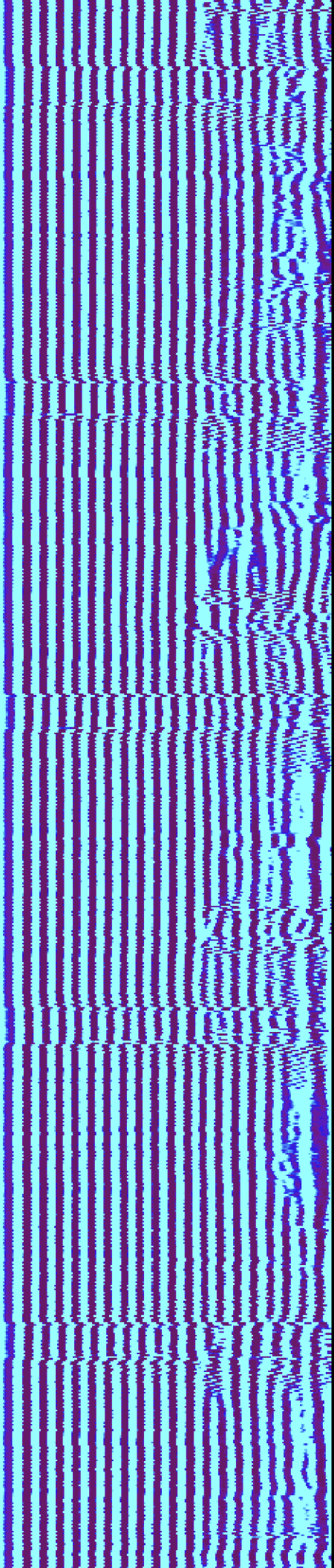
Data File 1 : F1 : BHUGHES-06627:C:\dat1a\093874\441\_CBL\_MAIN.xtf  
Created On : Jan 11 08:38:58 2015  
Company : WPX ENERGY  
Well : FEDERAL PA 441-27  
Field : PARACHUTE  
File Interval : 19.25 - 8923 Feet  
OCT : n012g

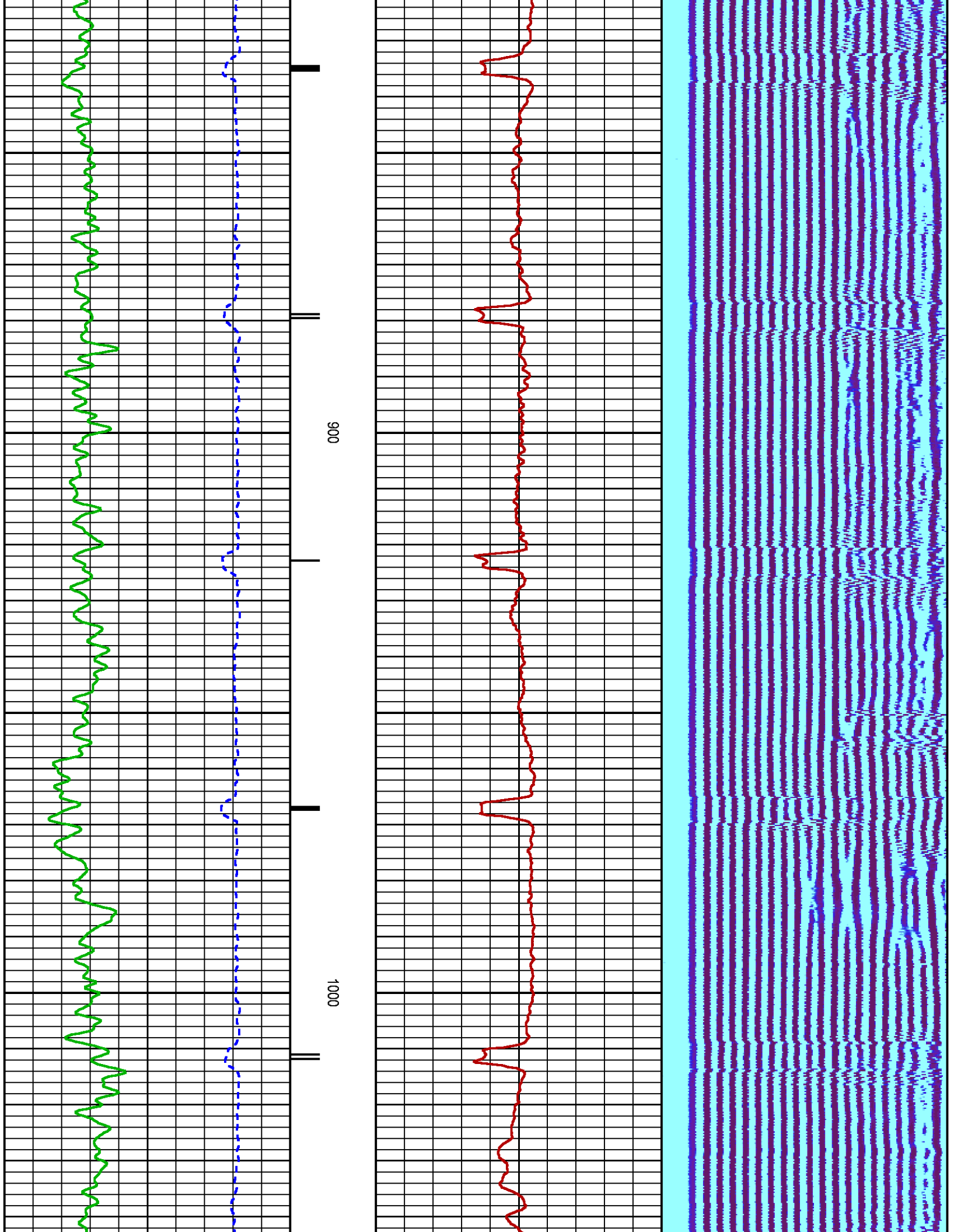




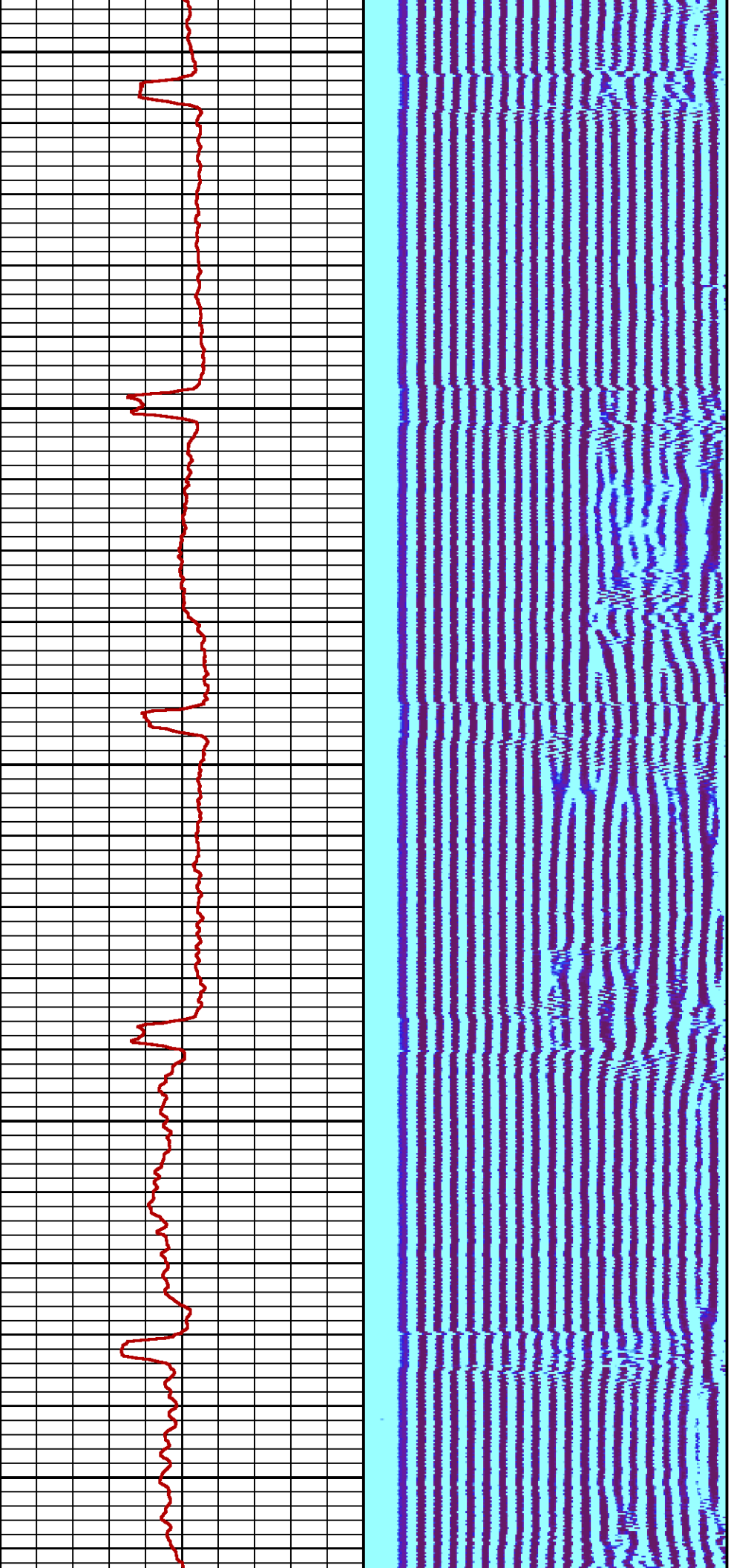






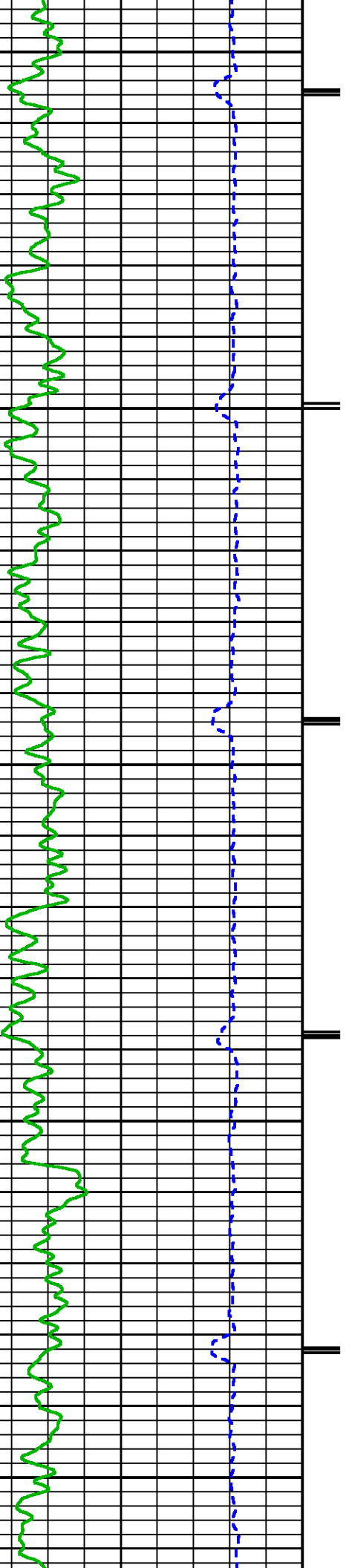


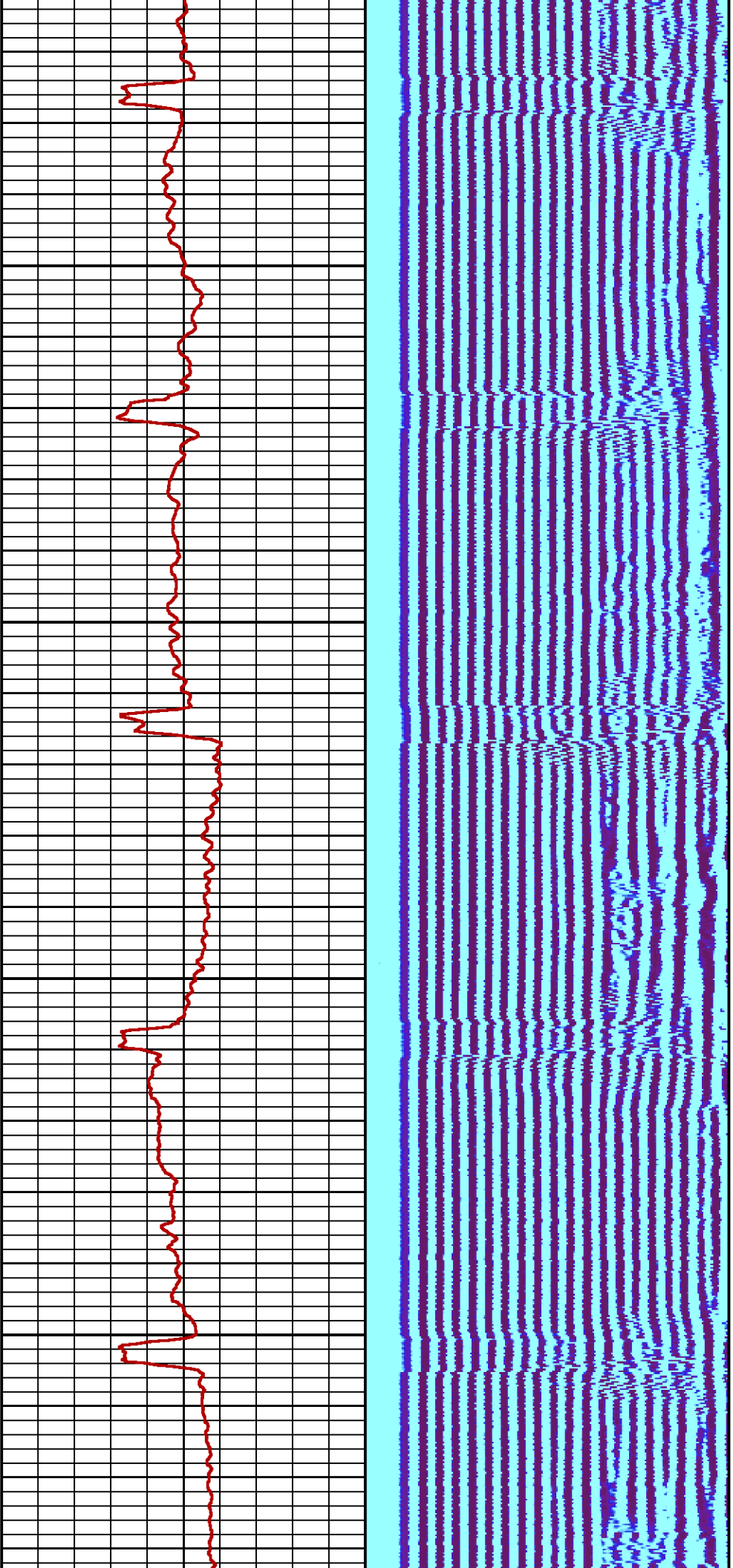




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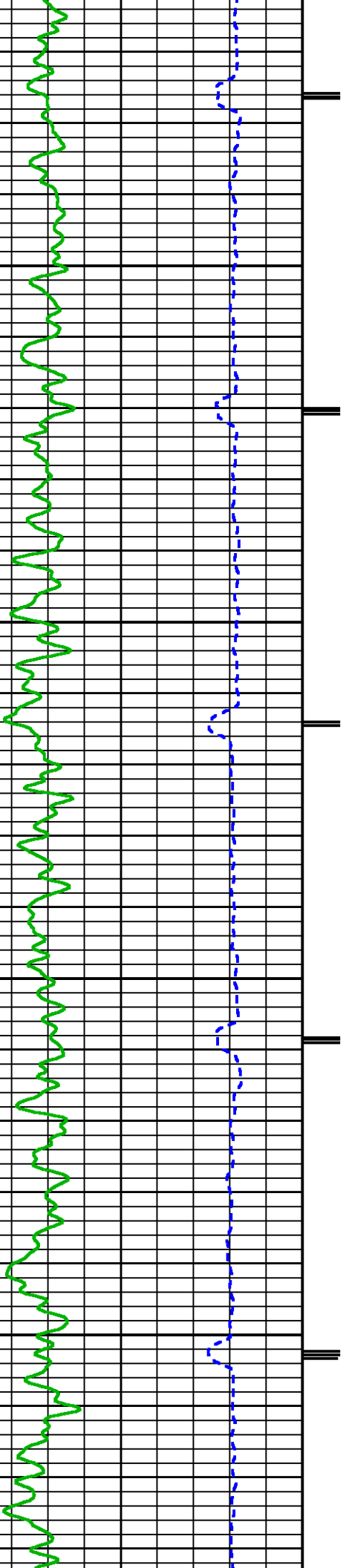
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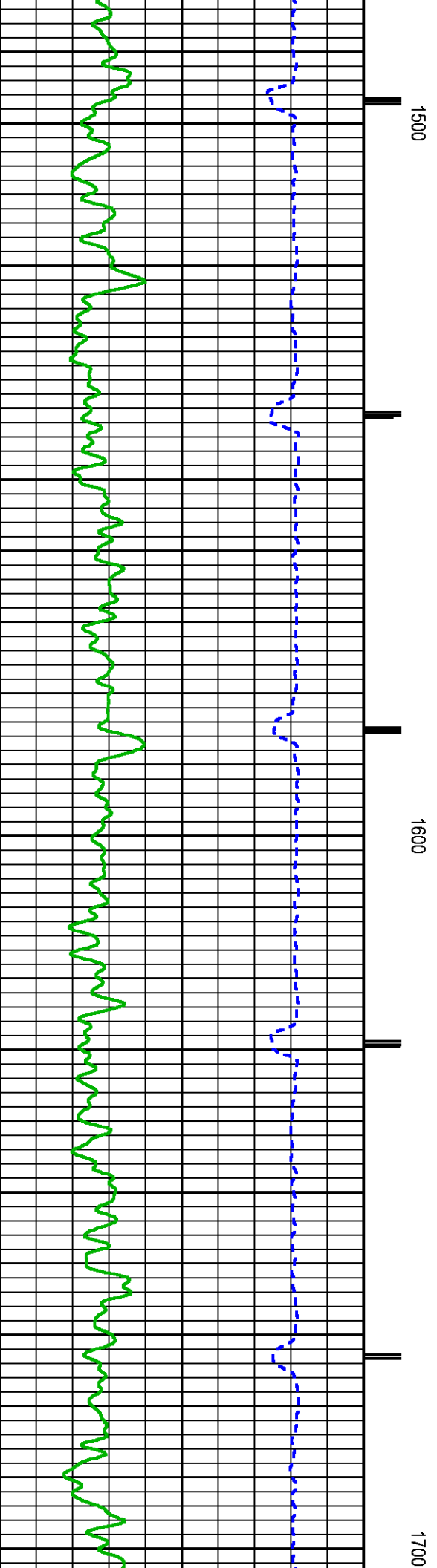
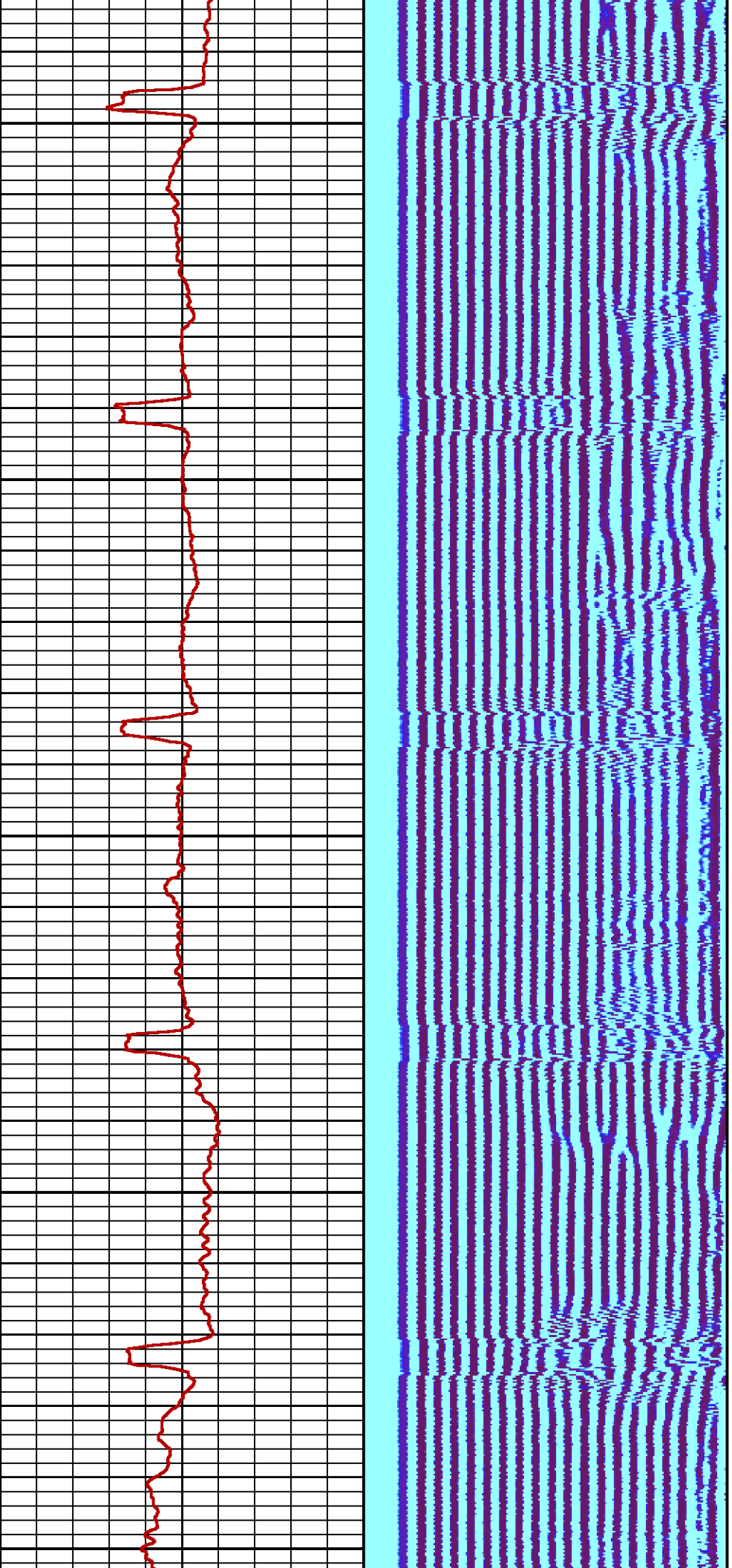




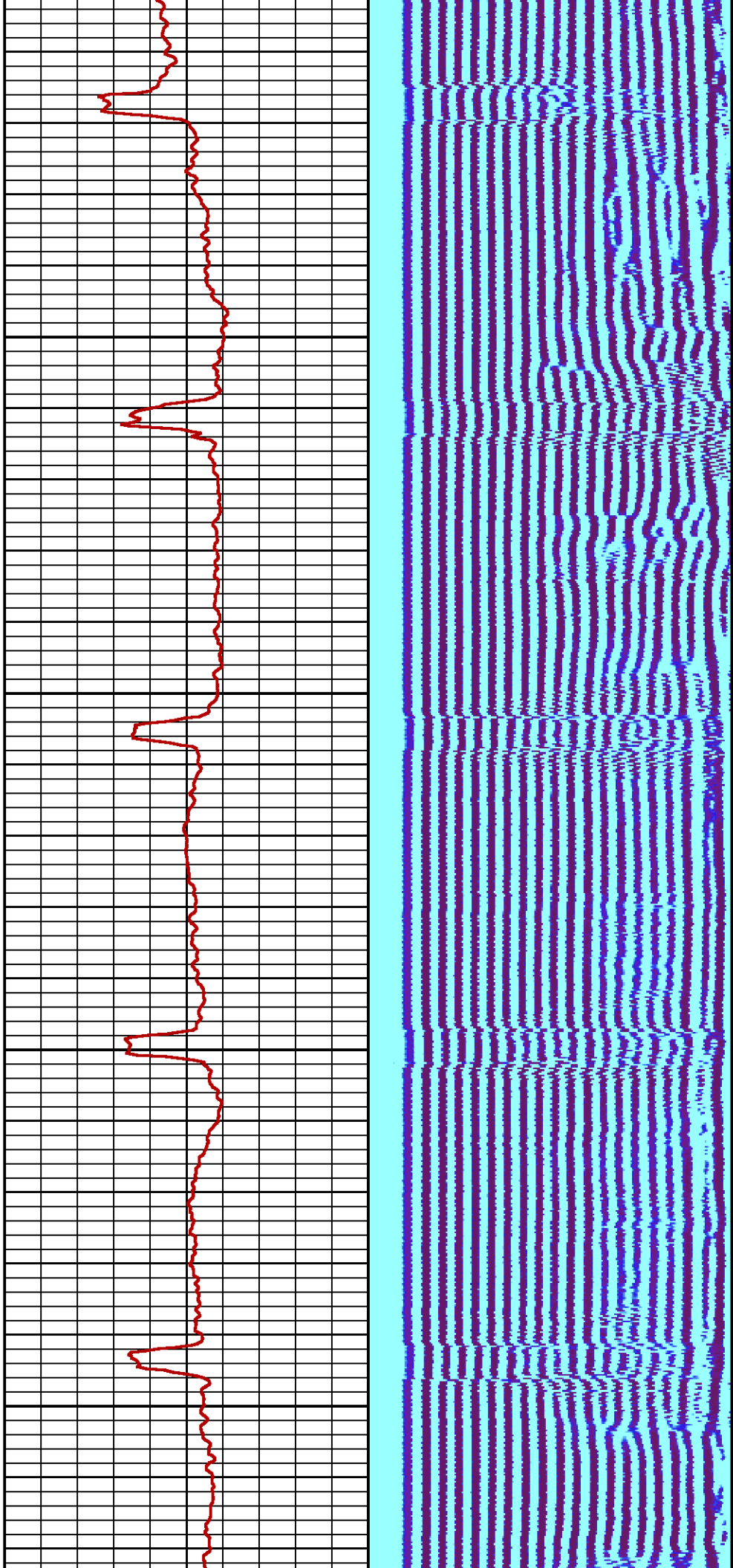
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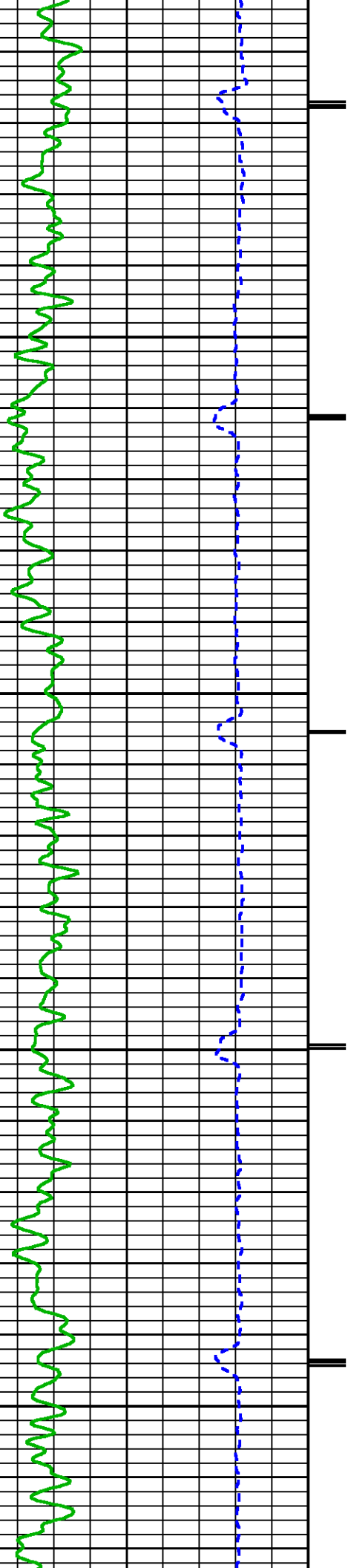


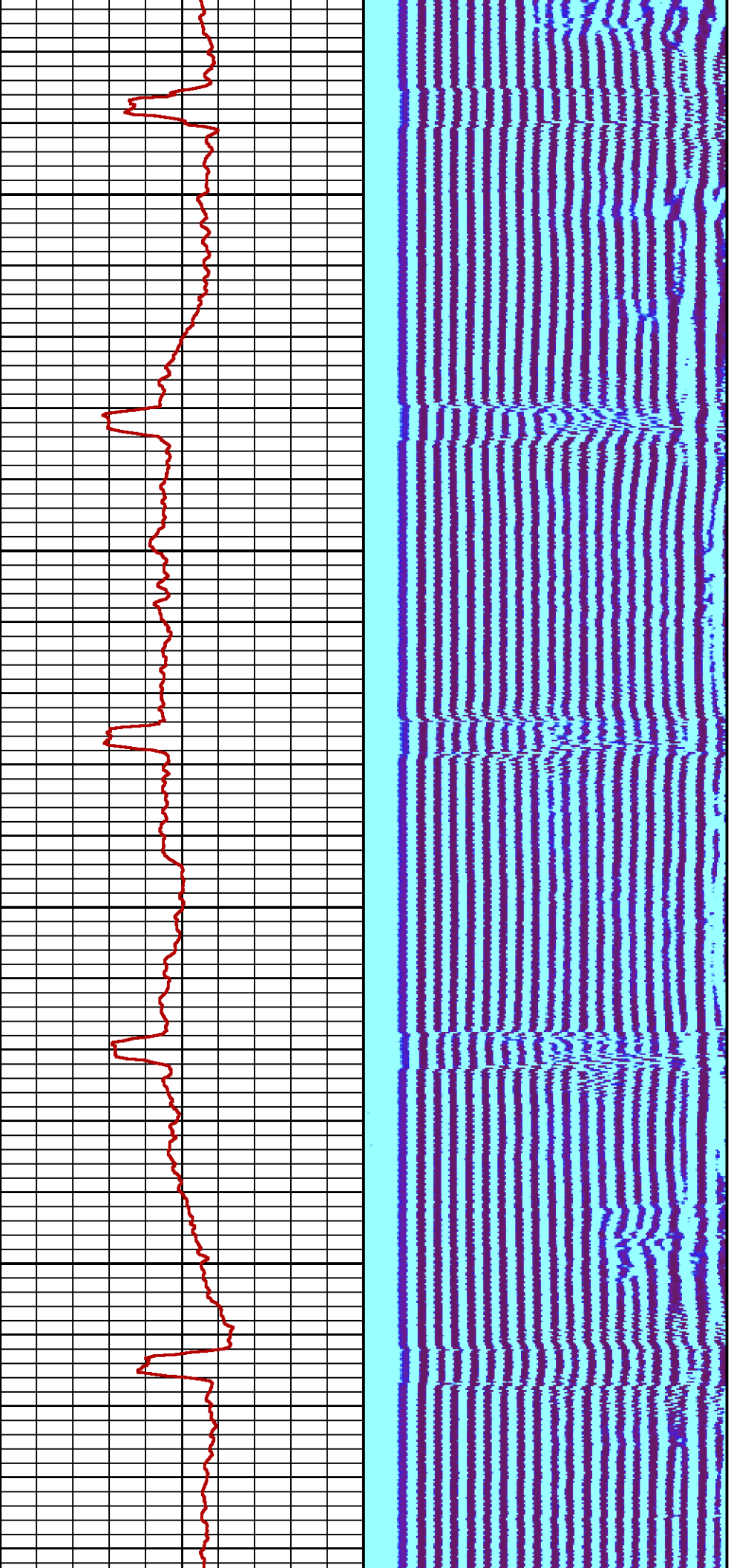




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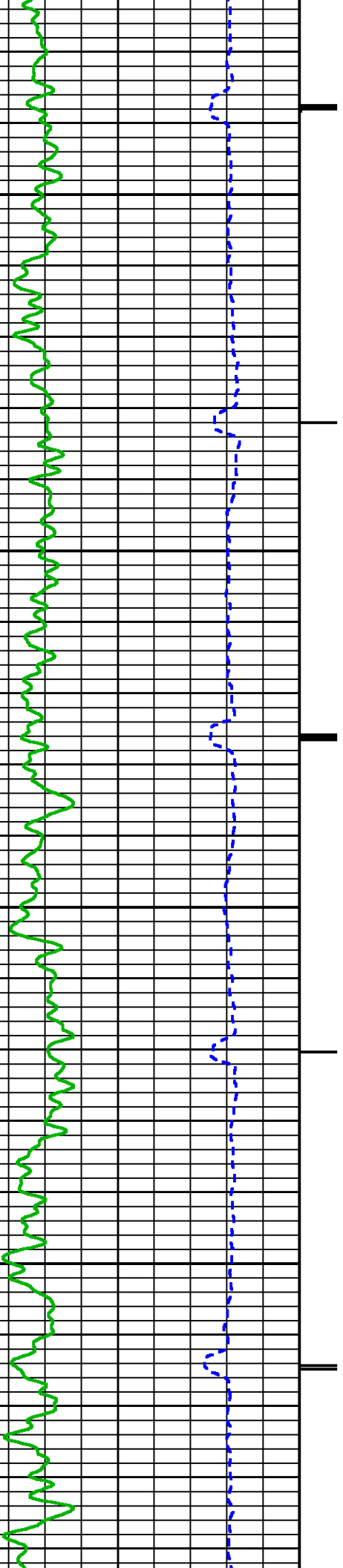
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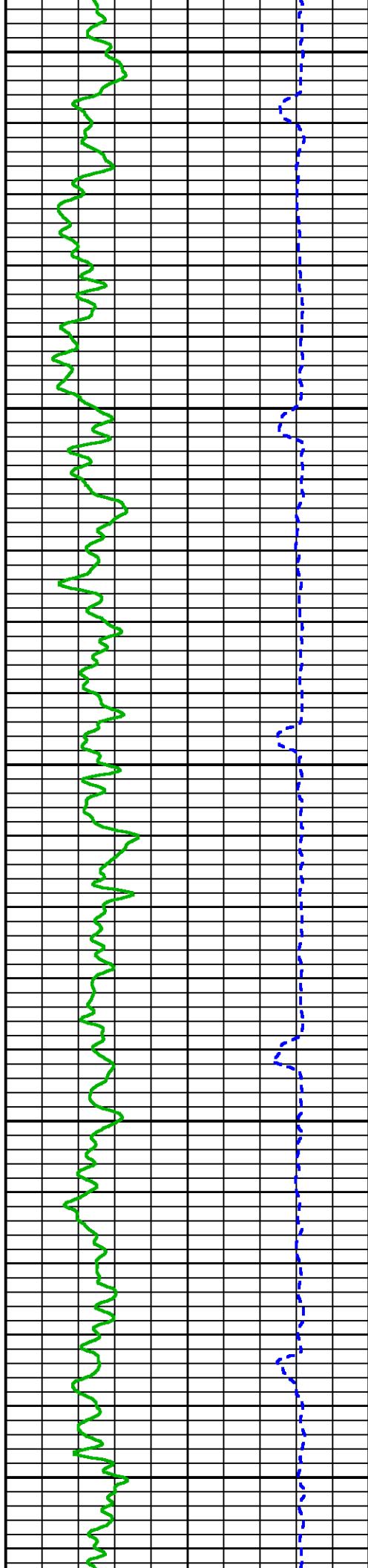
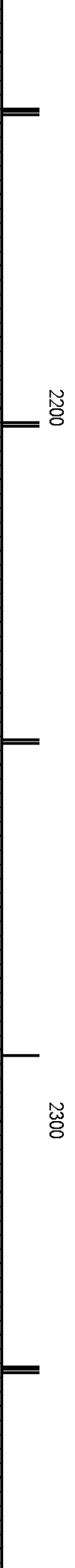
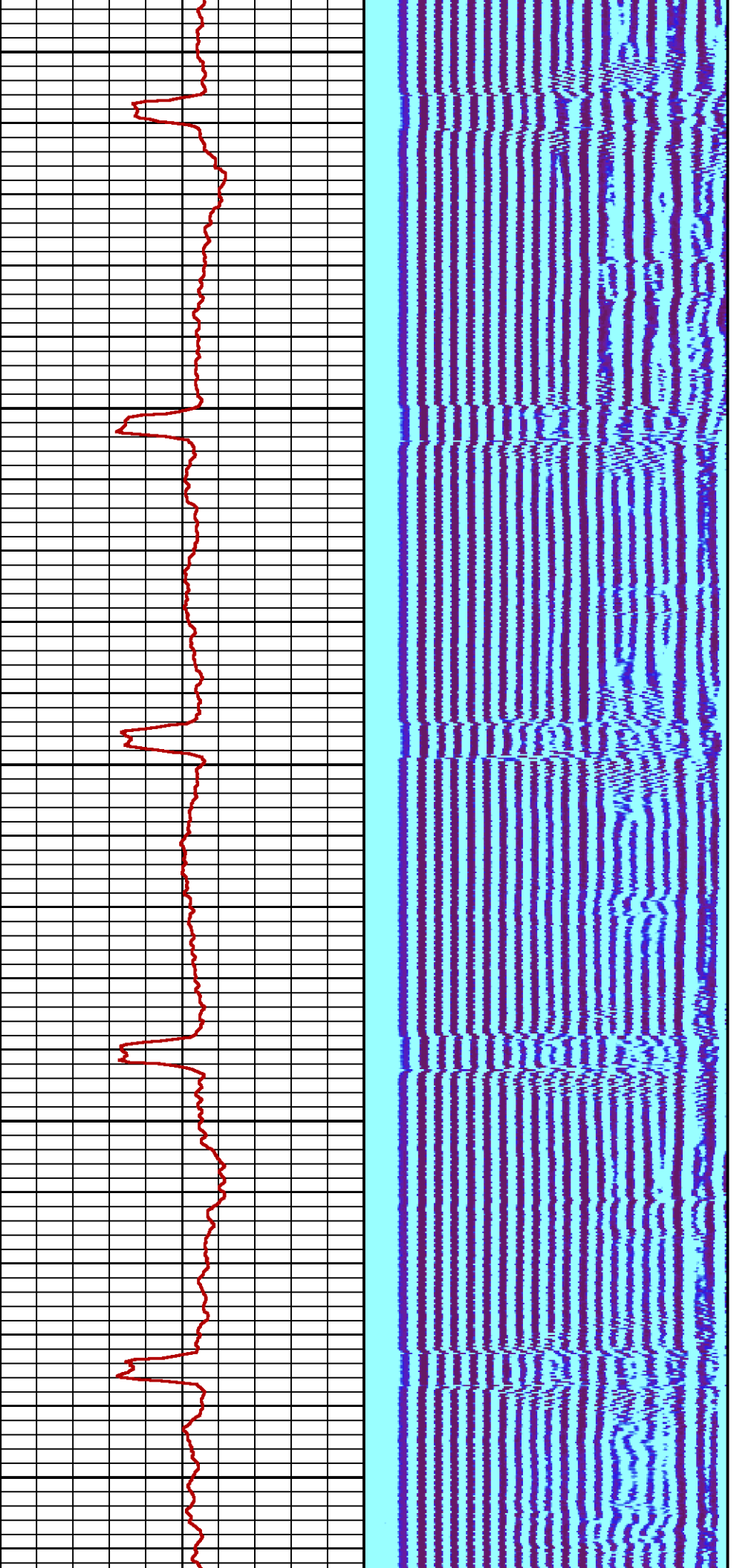




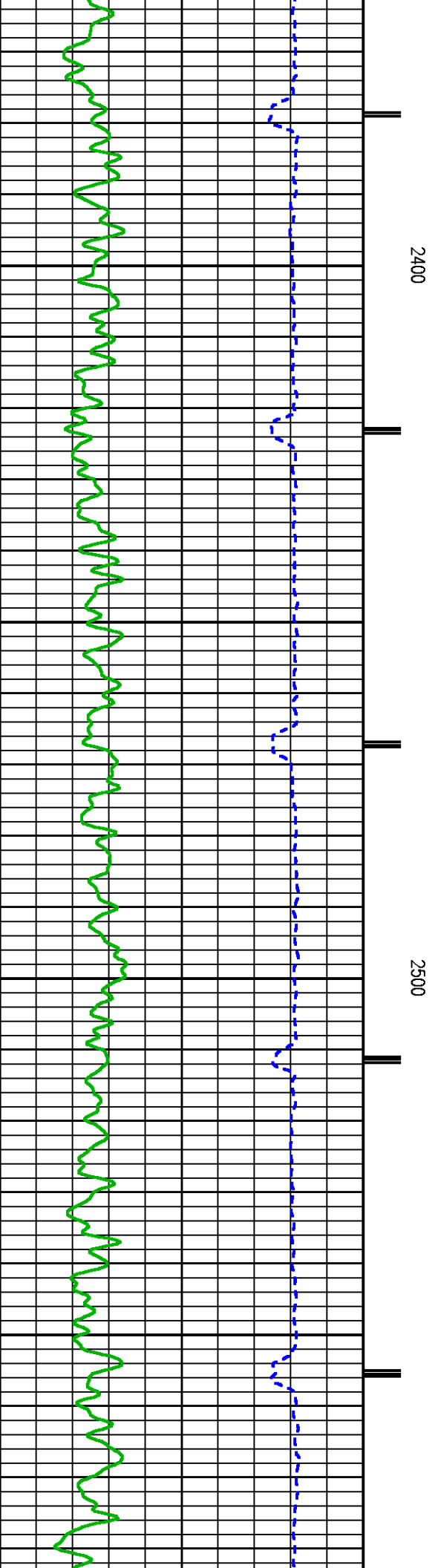
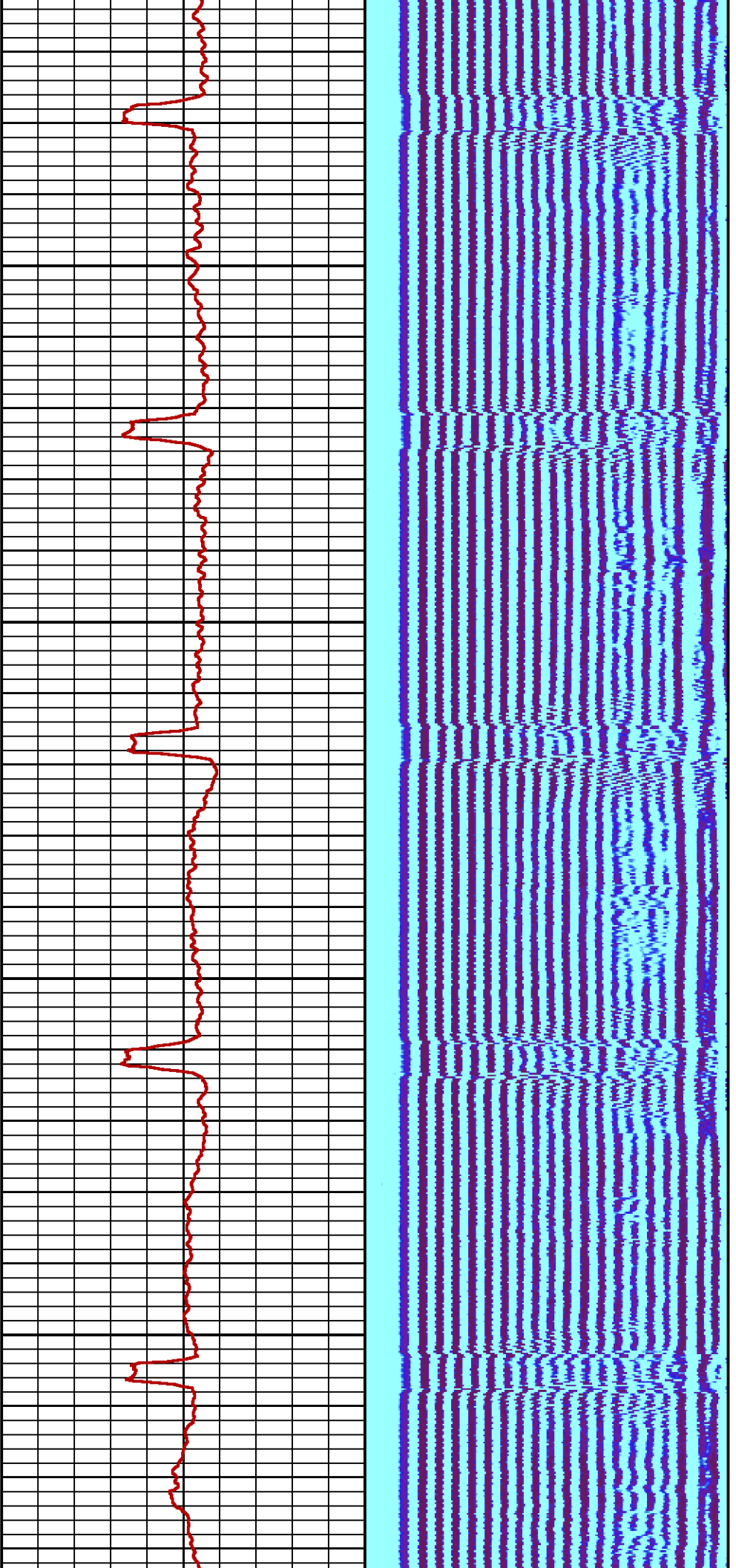
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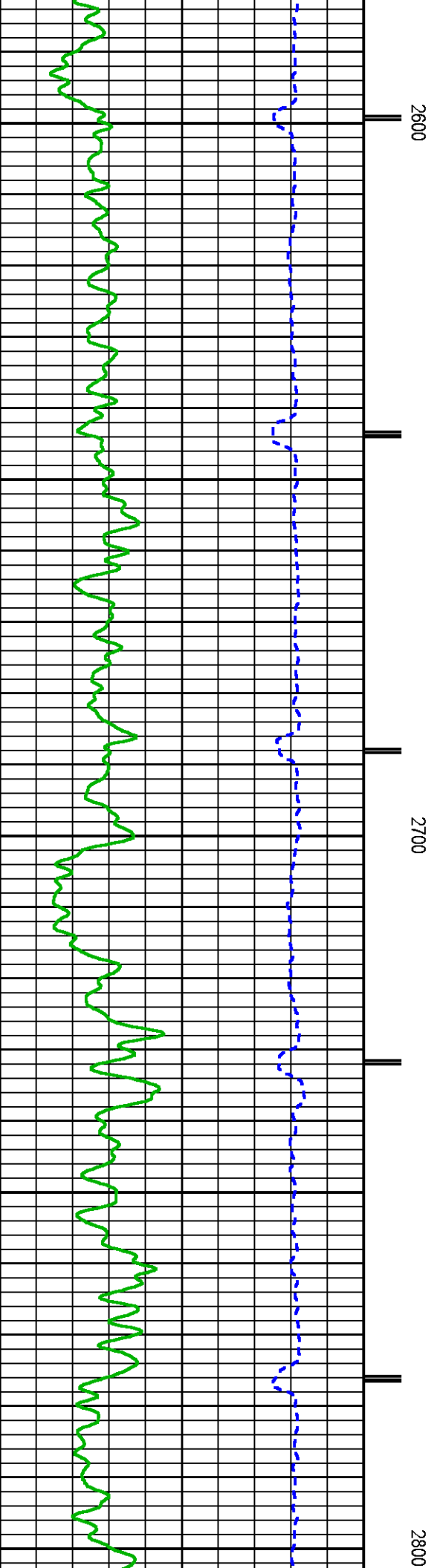
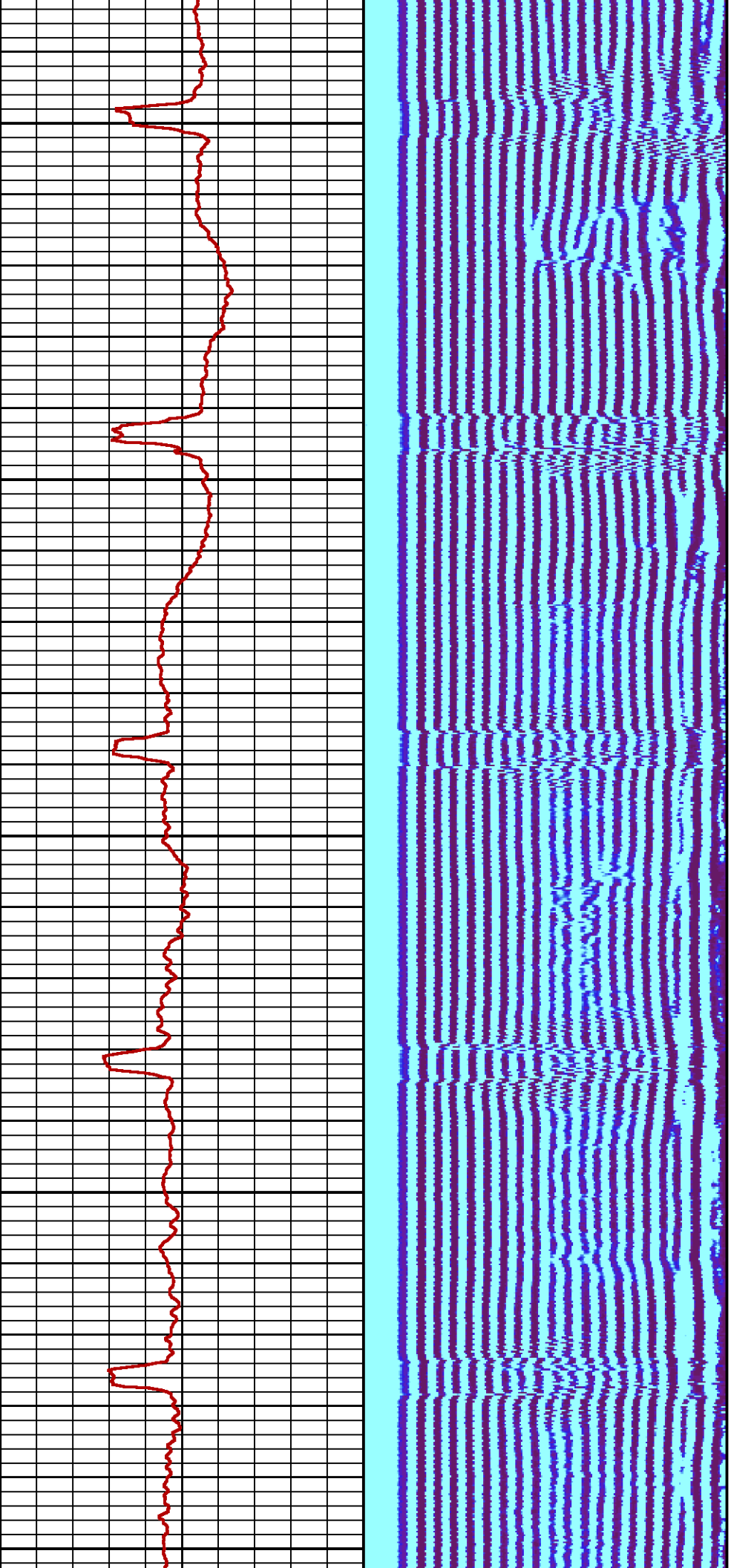
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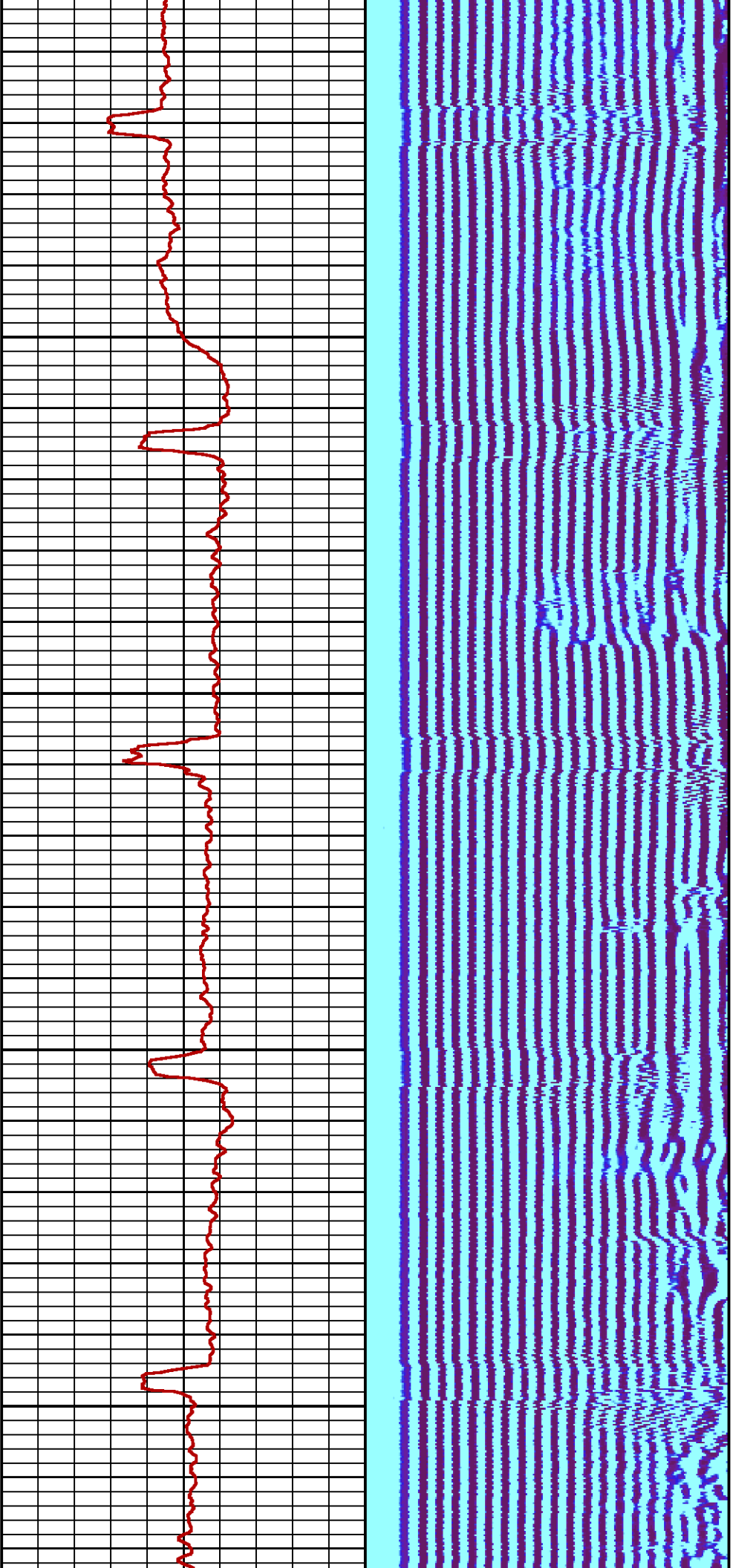






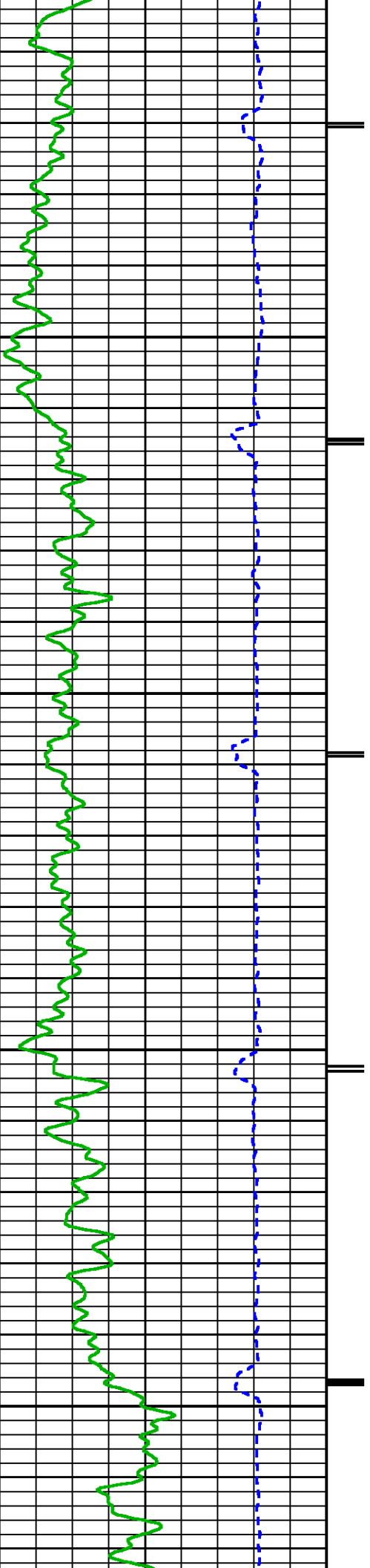




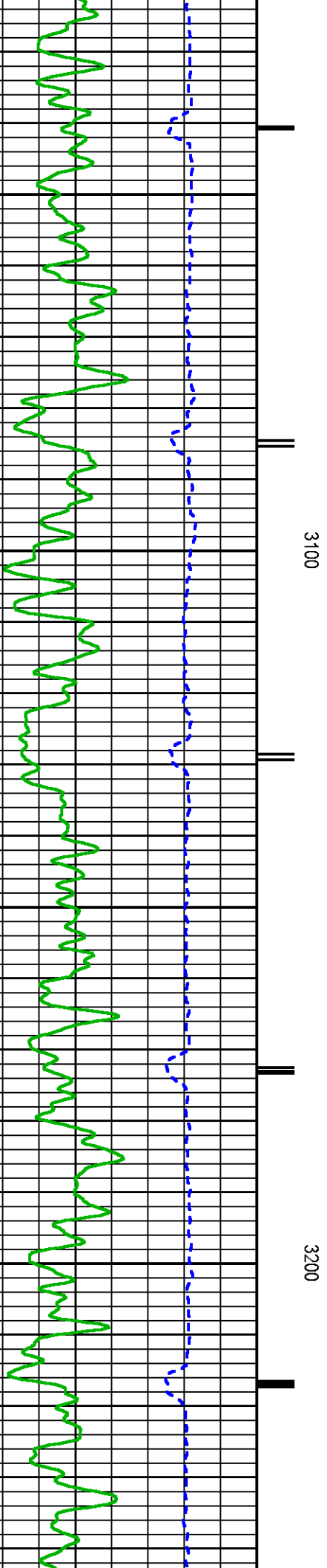
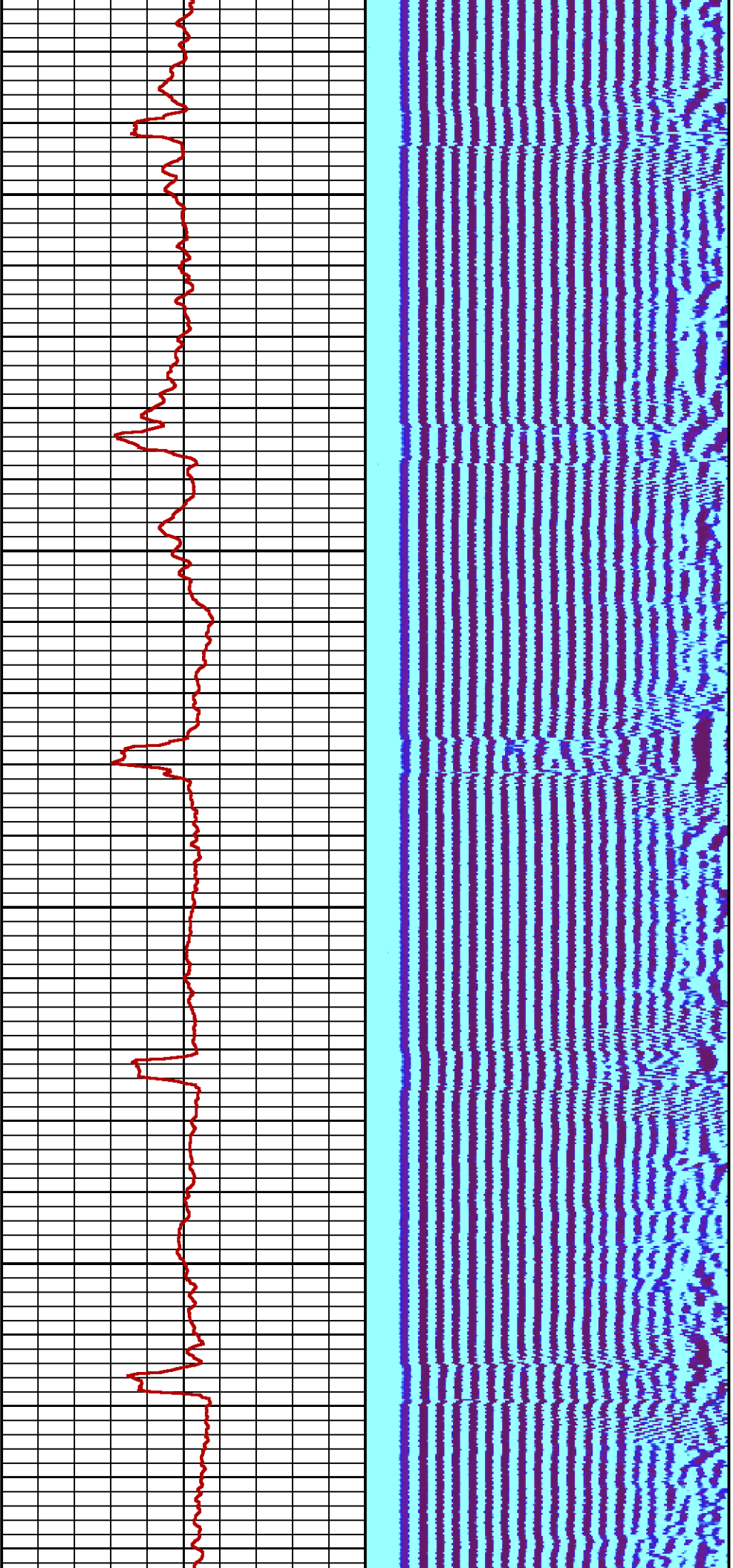


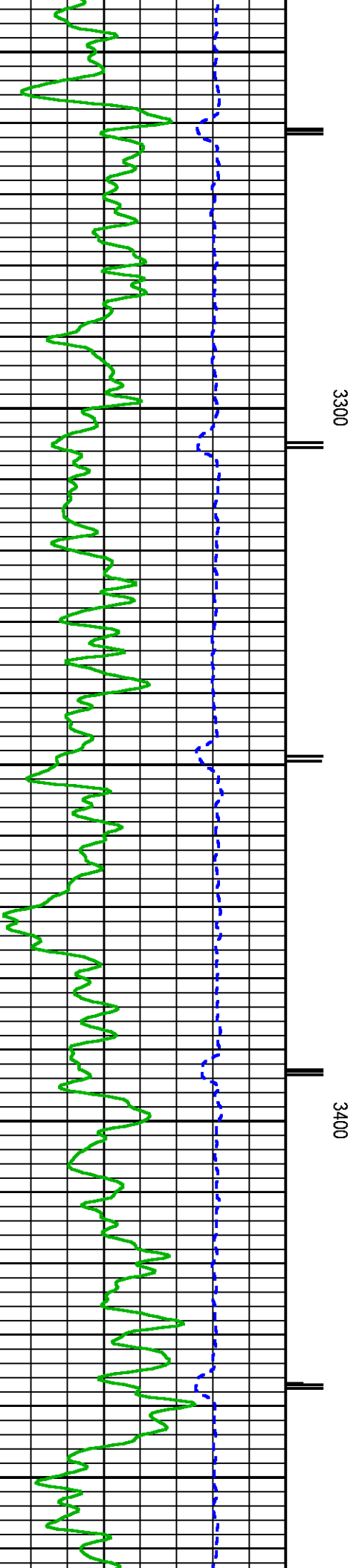
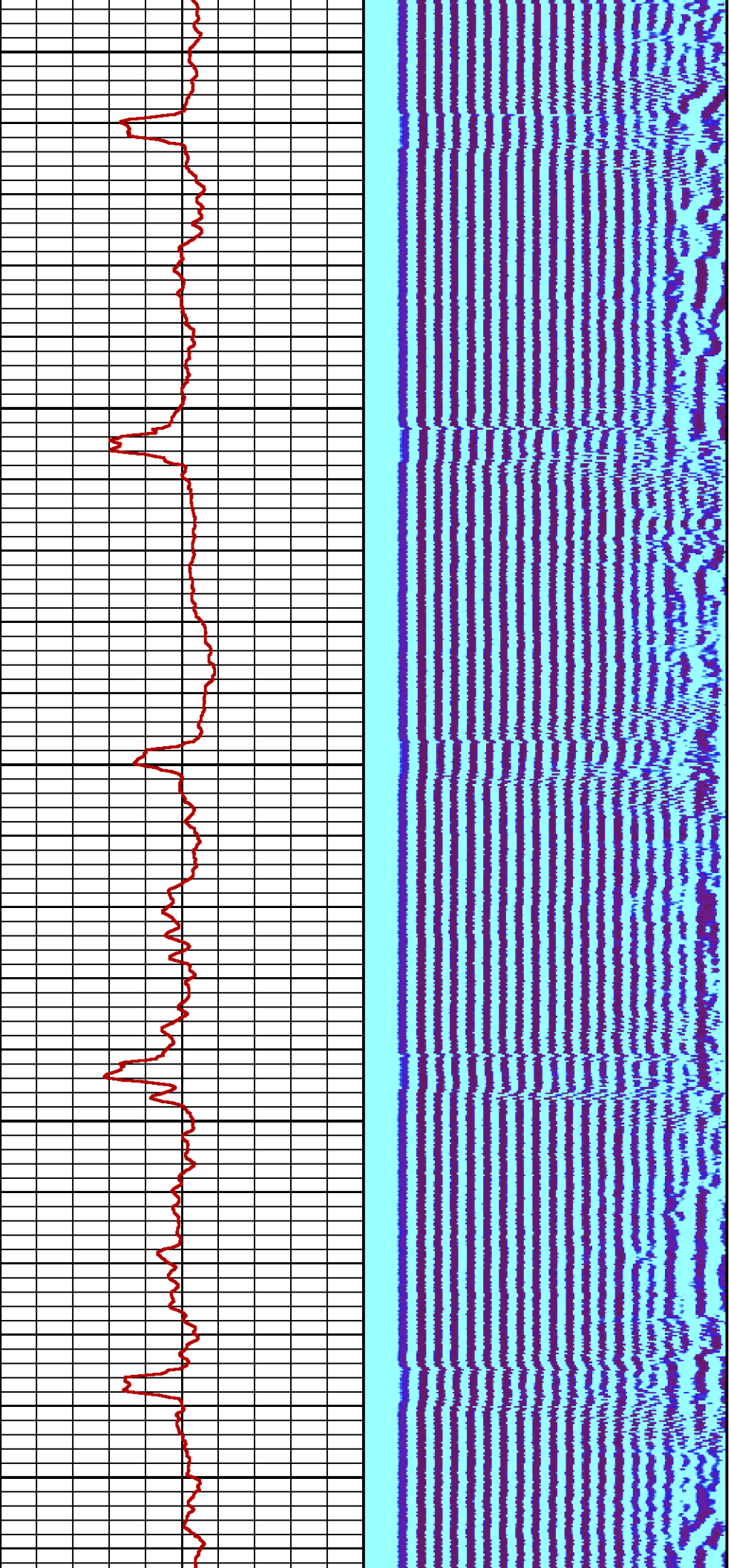
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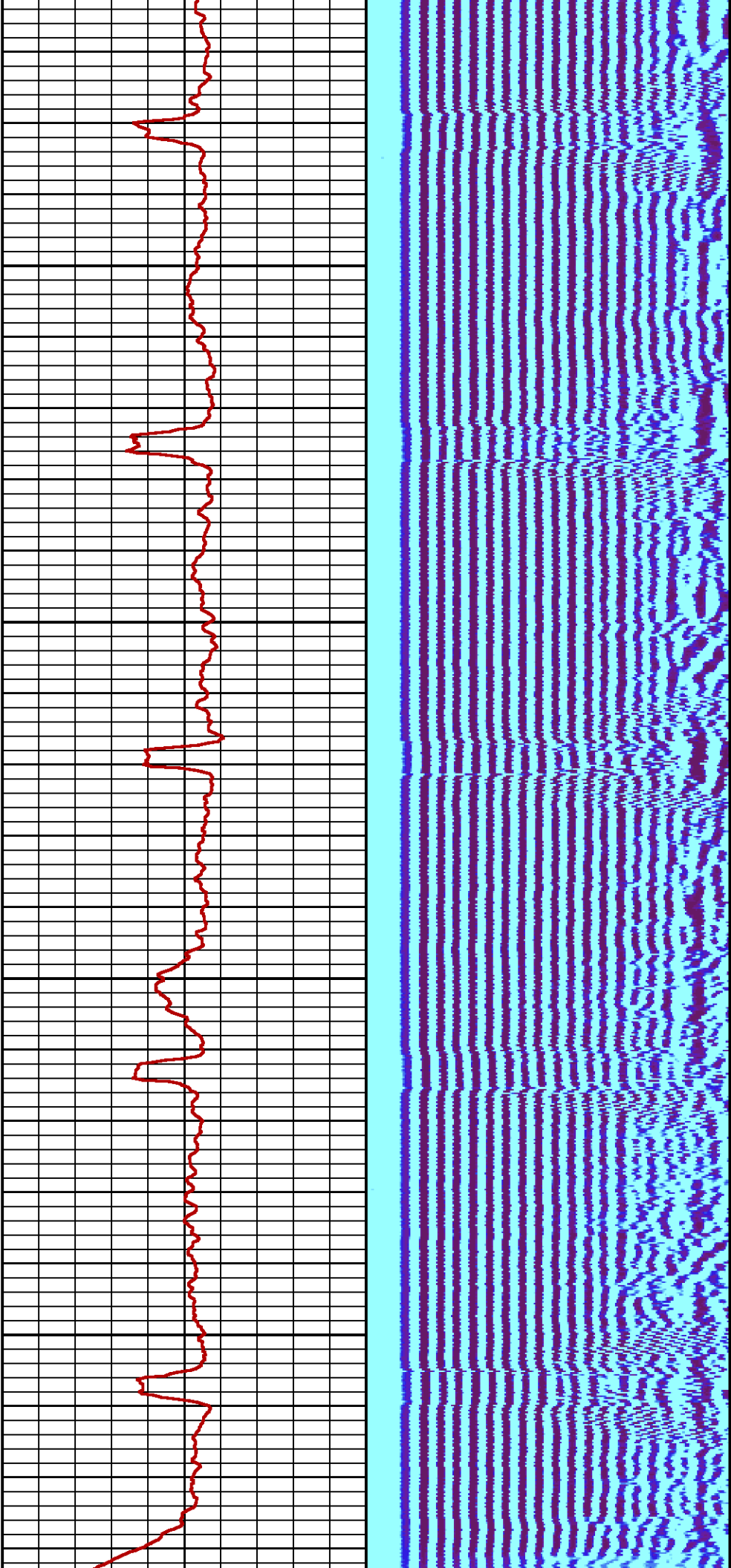
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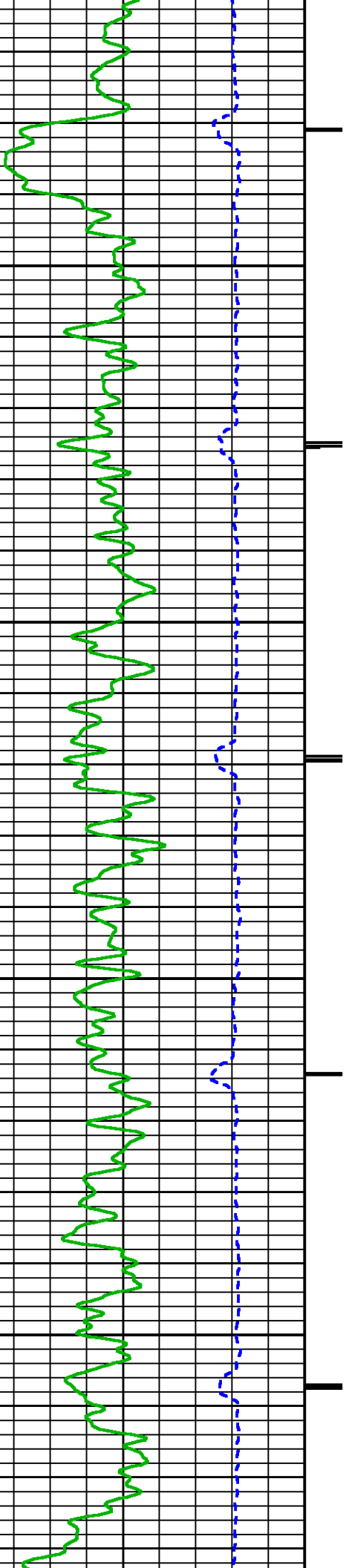




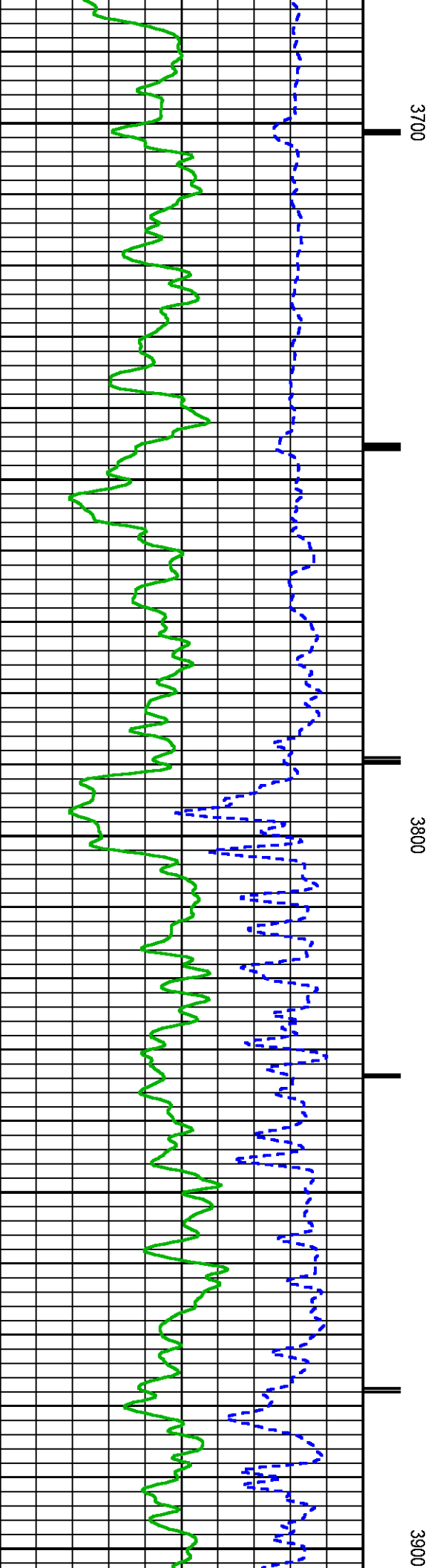
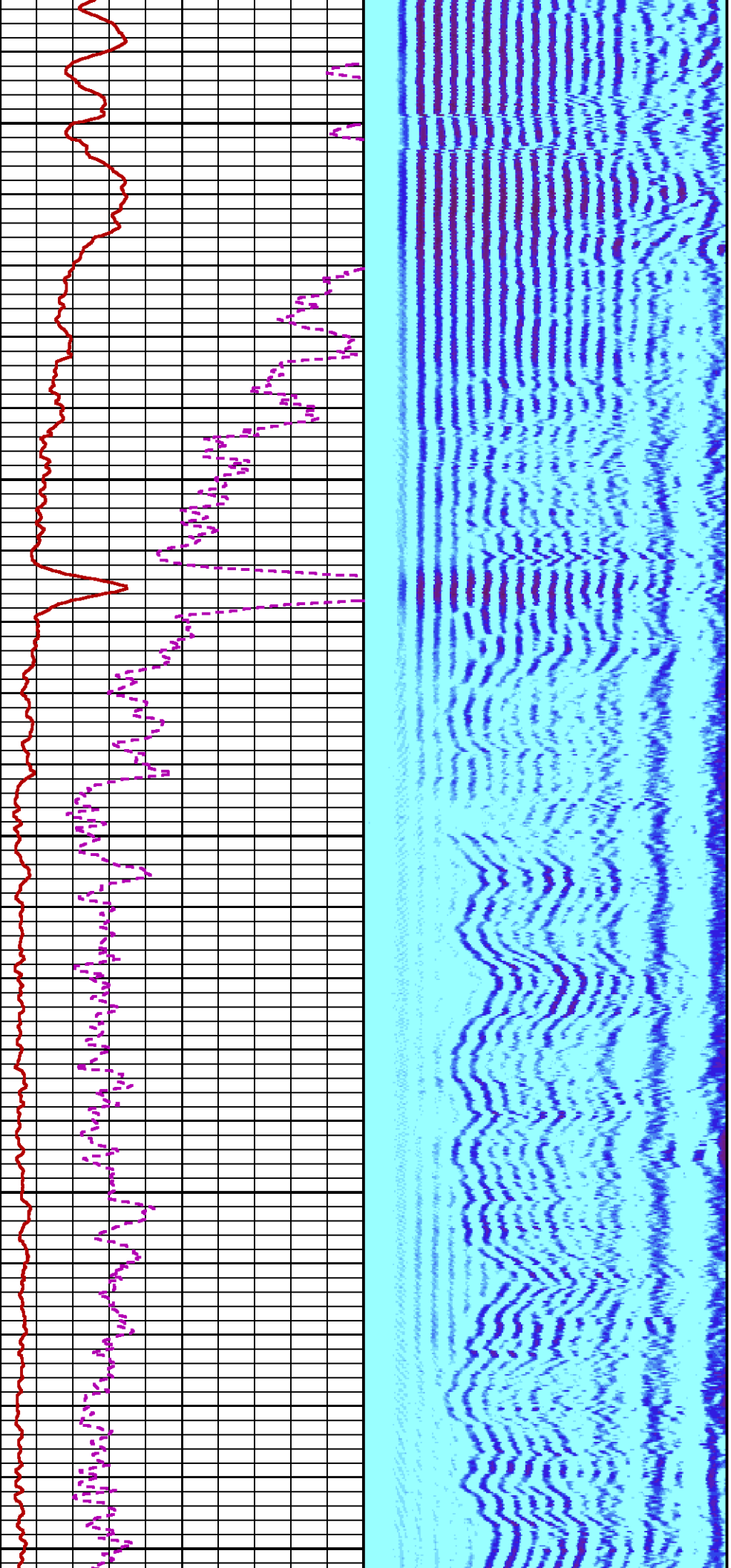


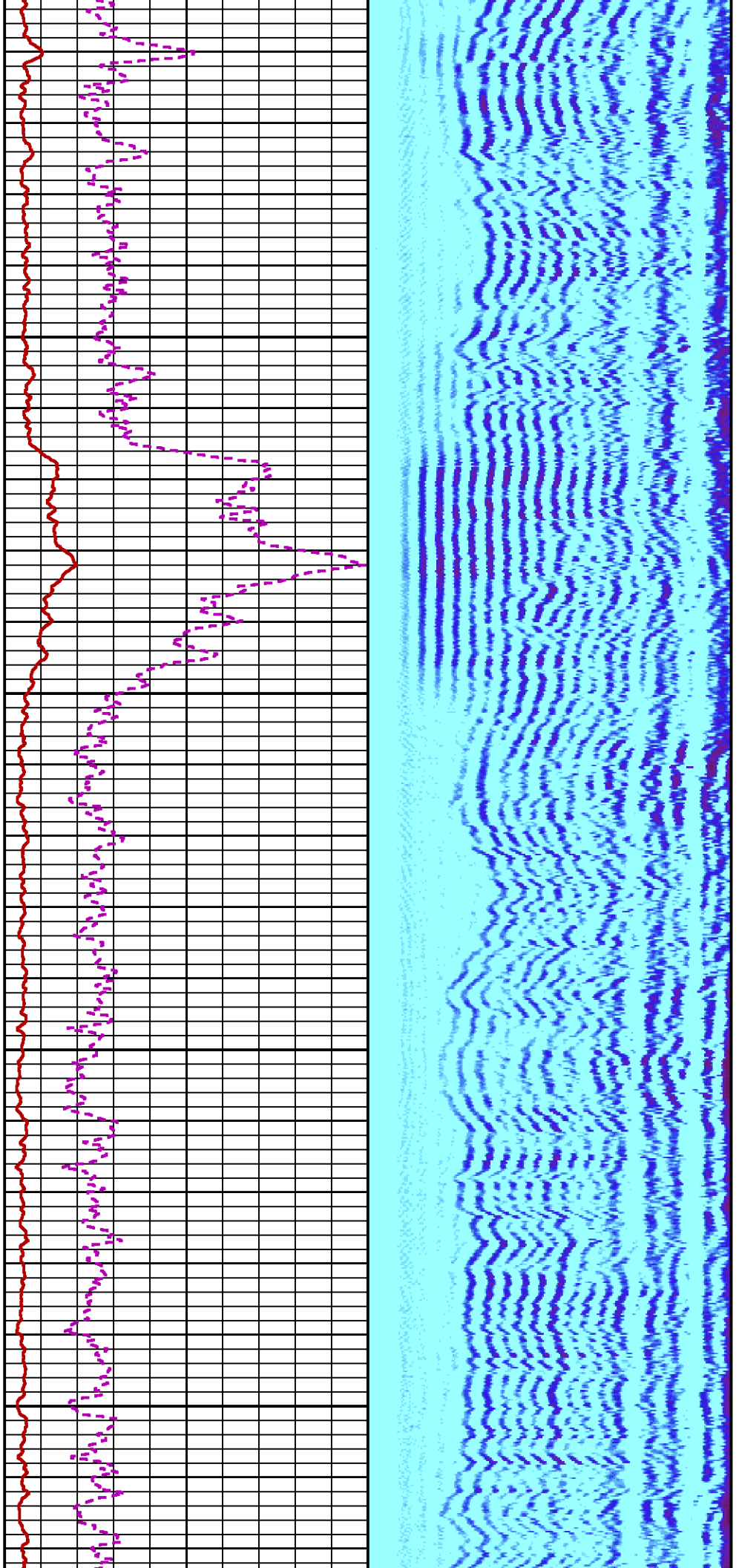
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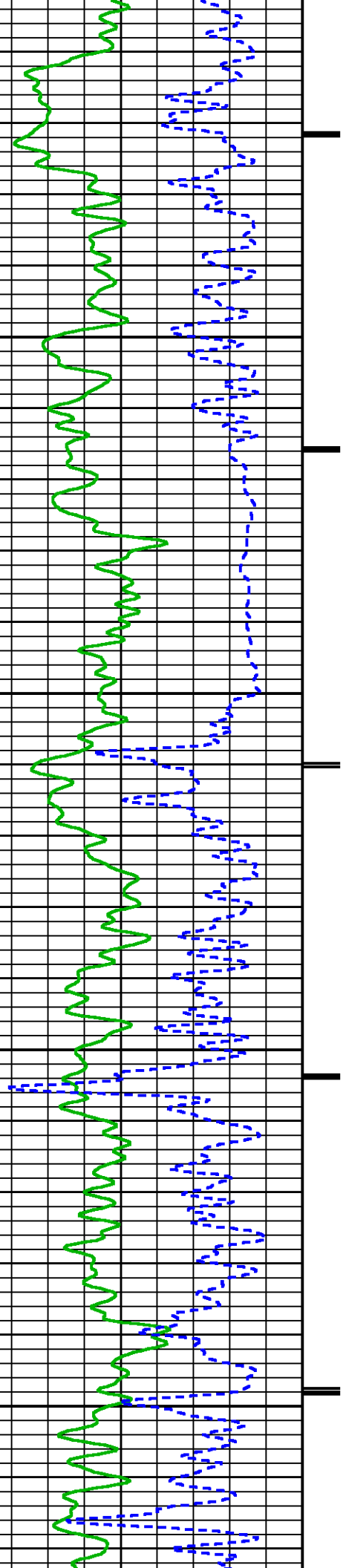


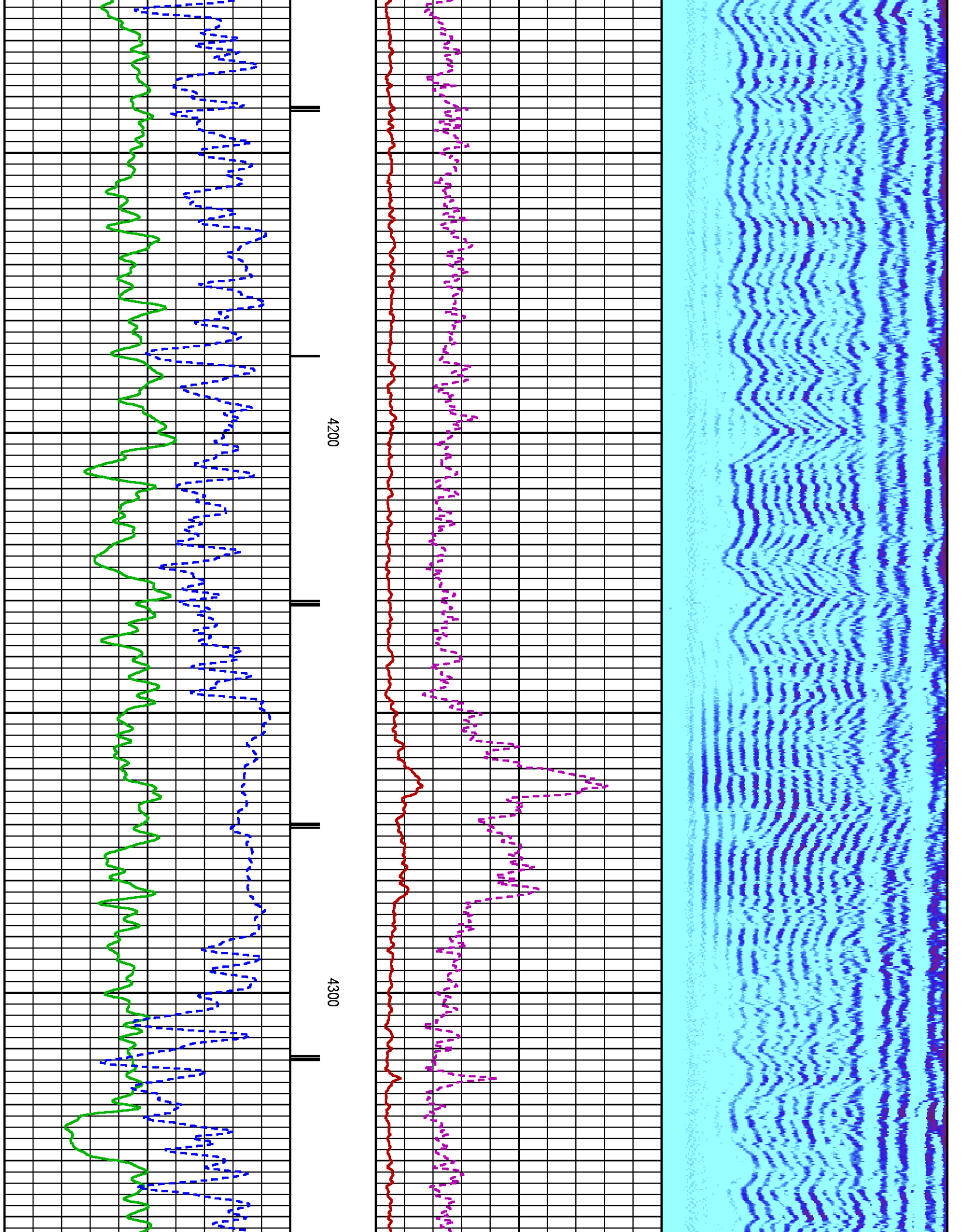




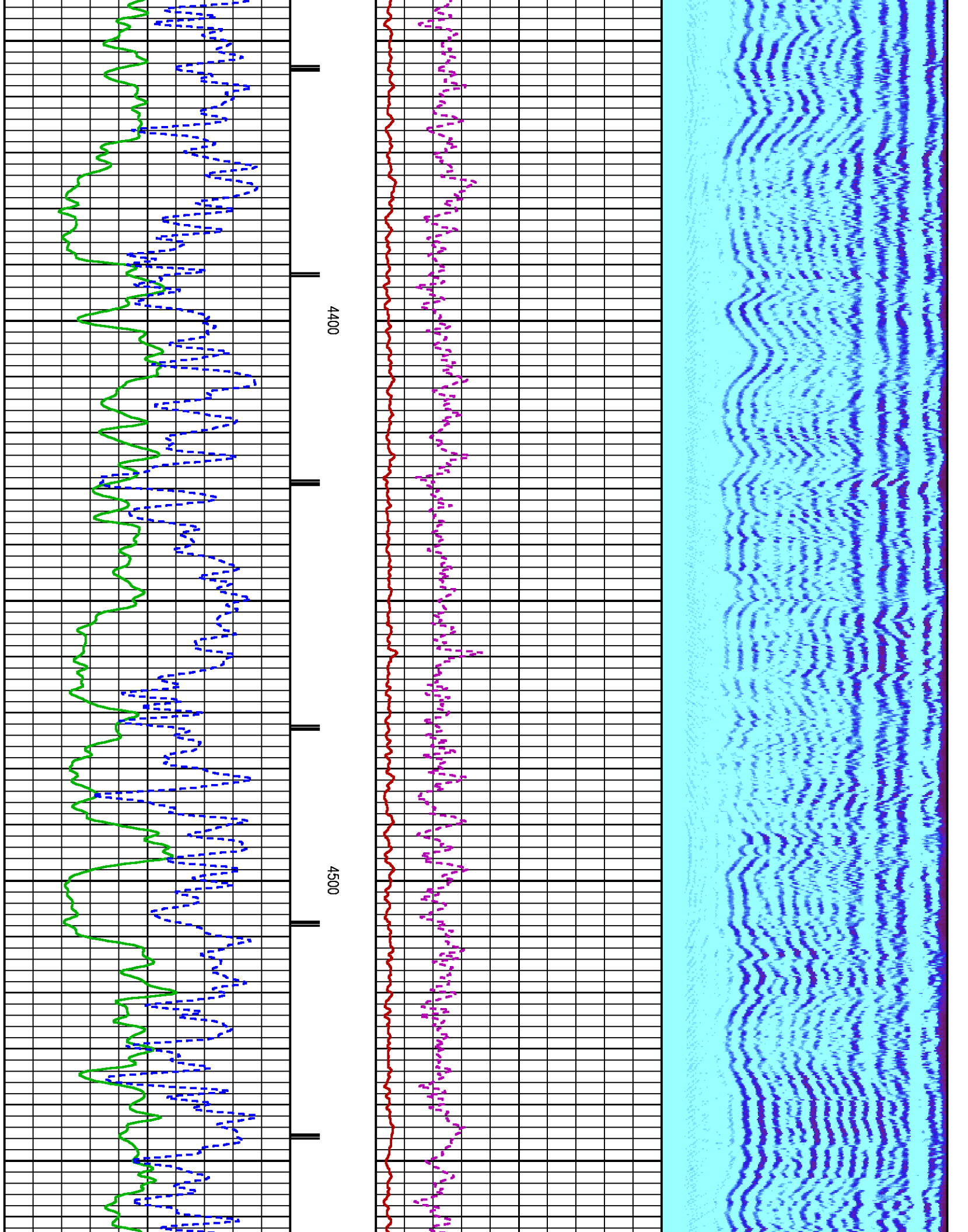
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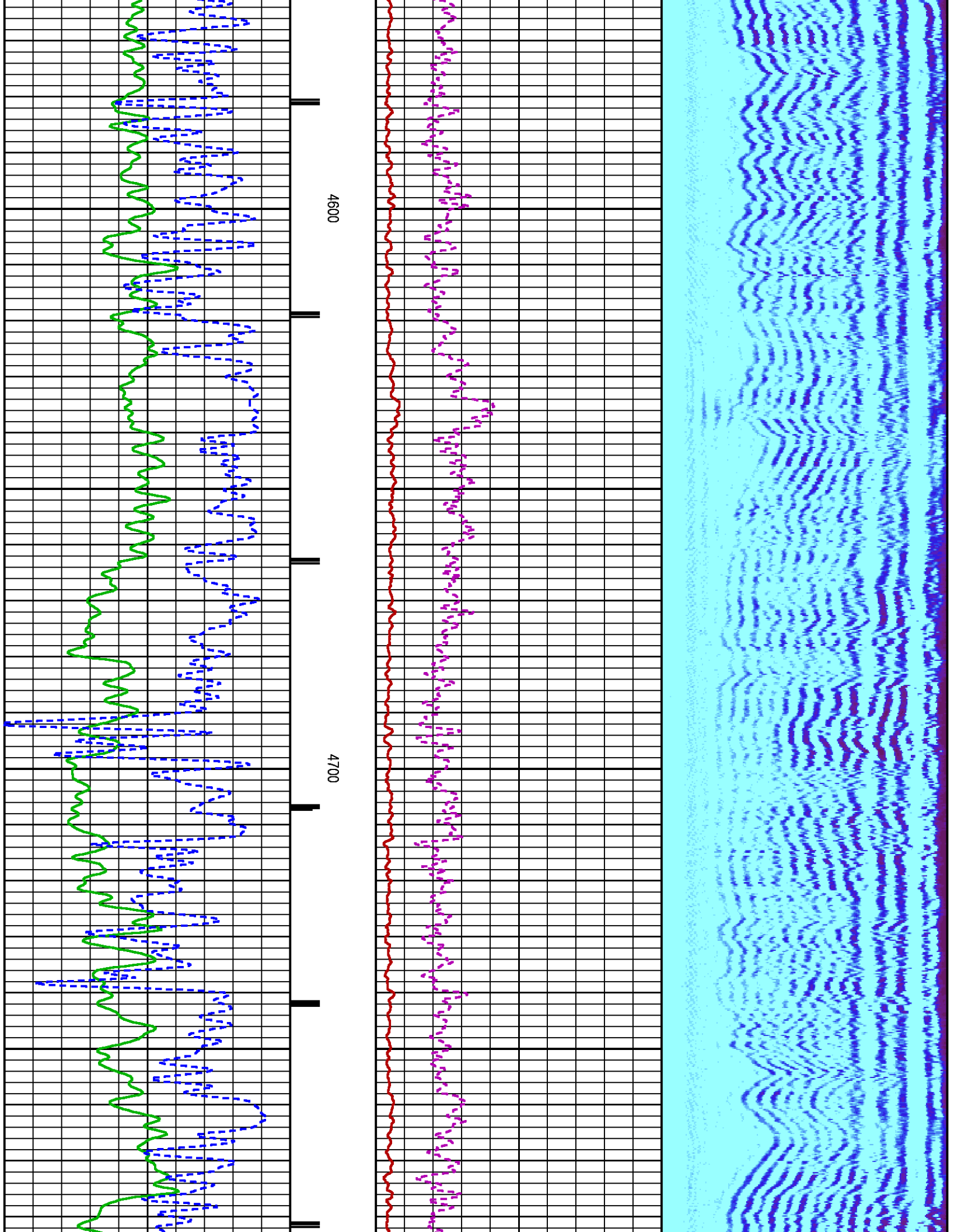
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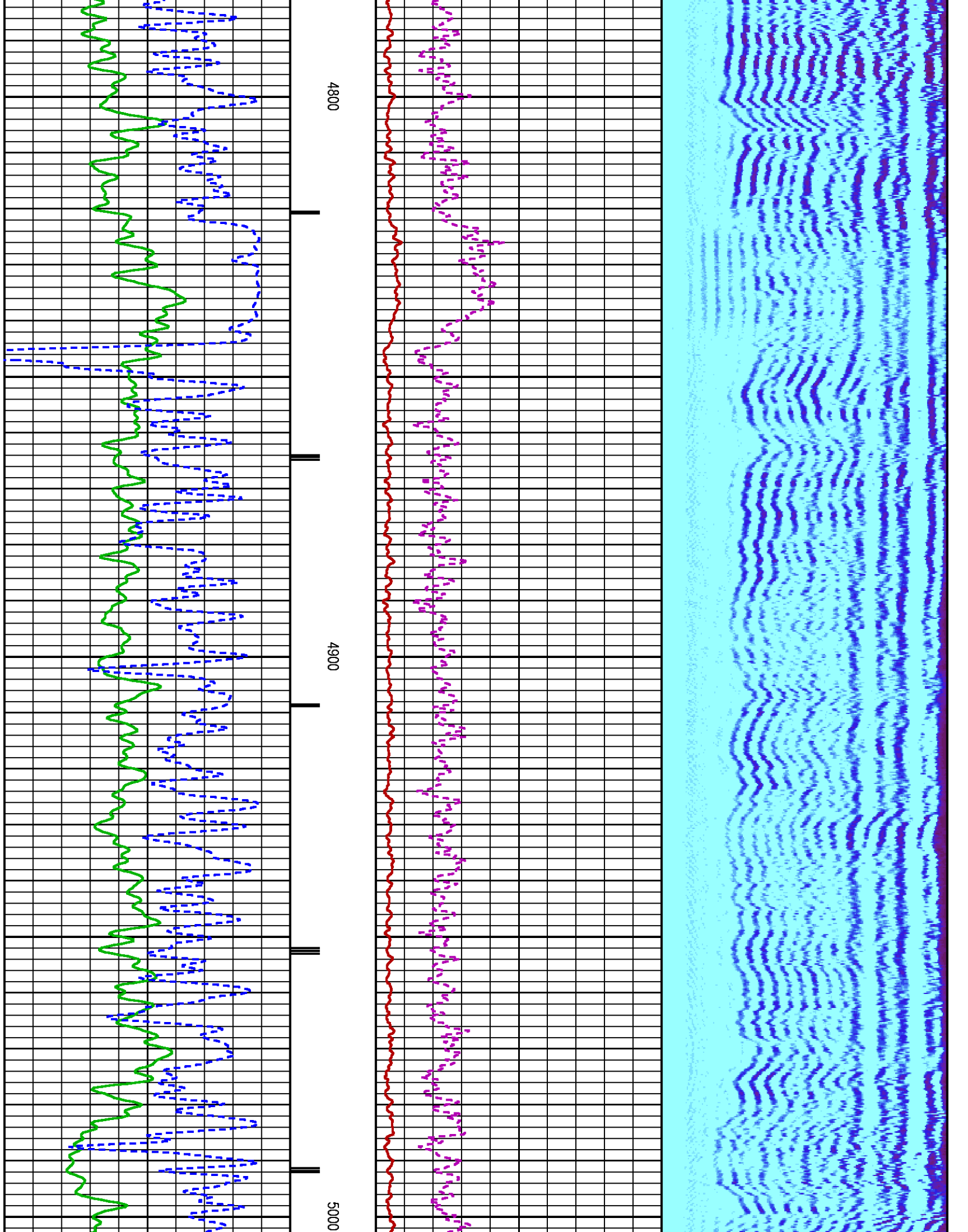


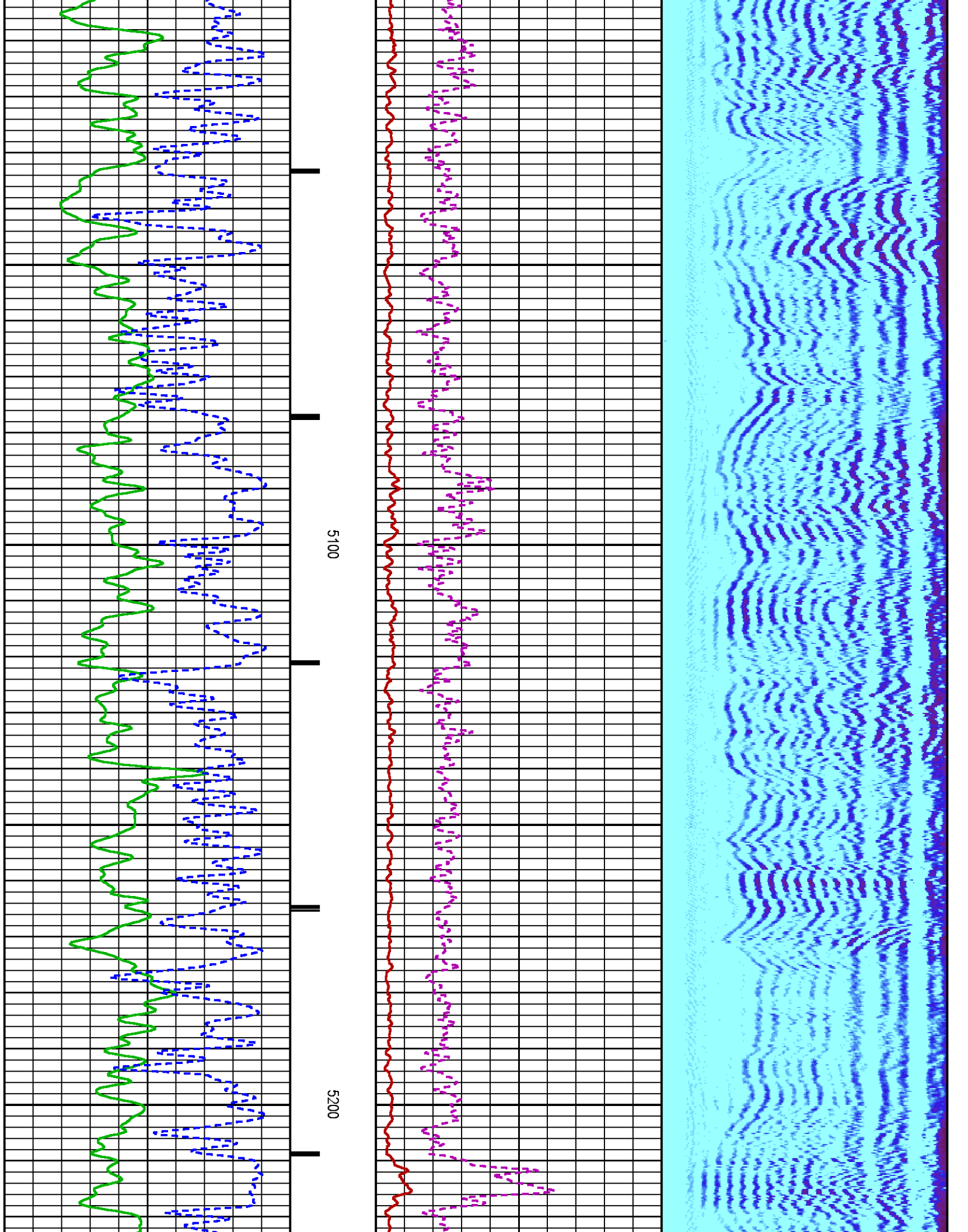




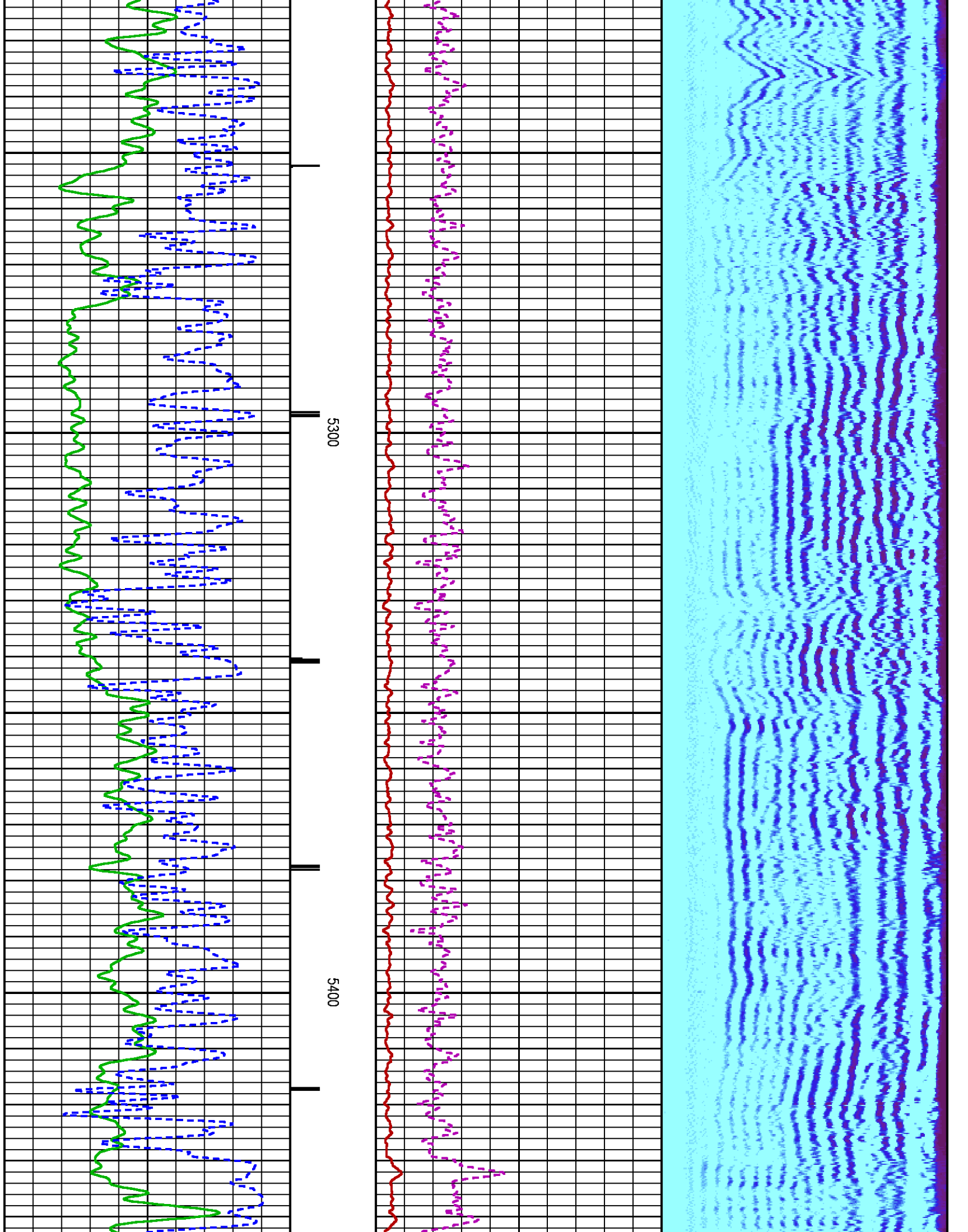


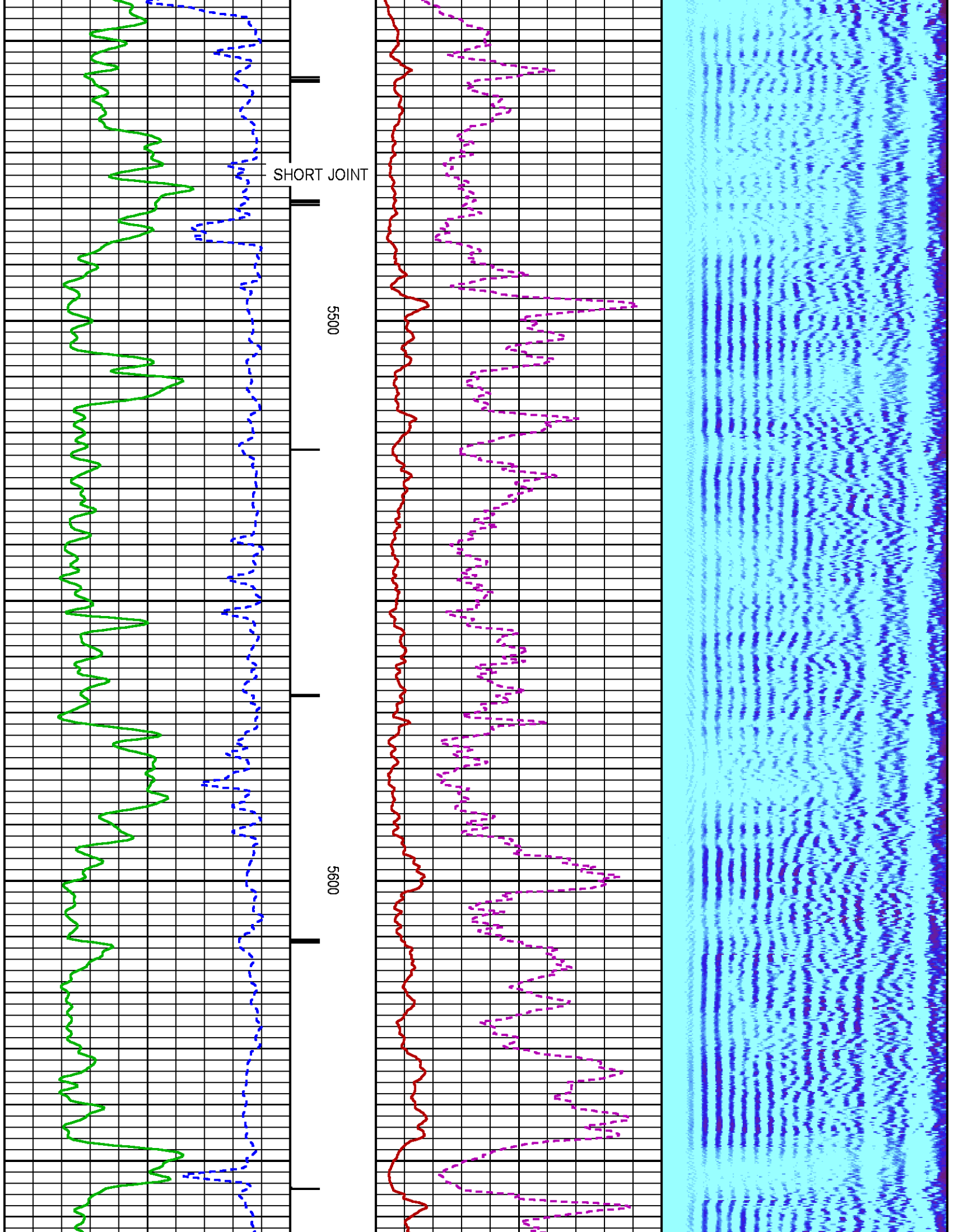




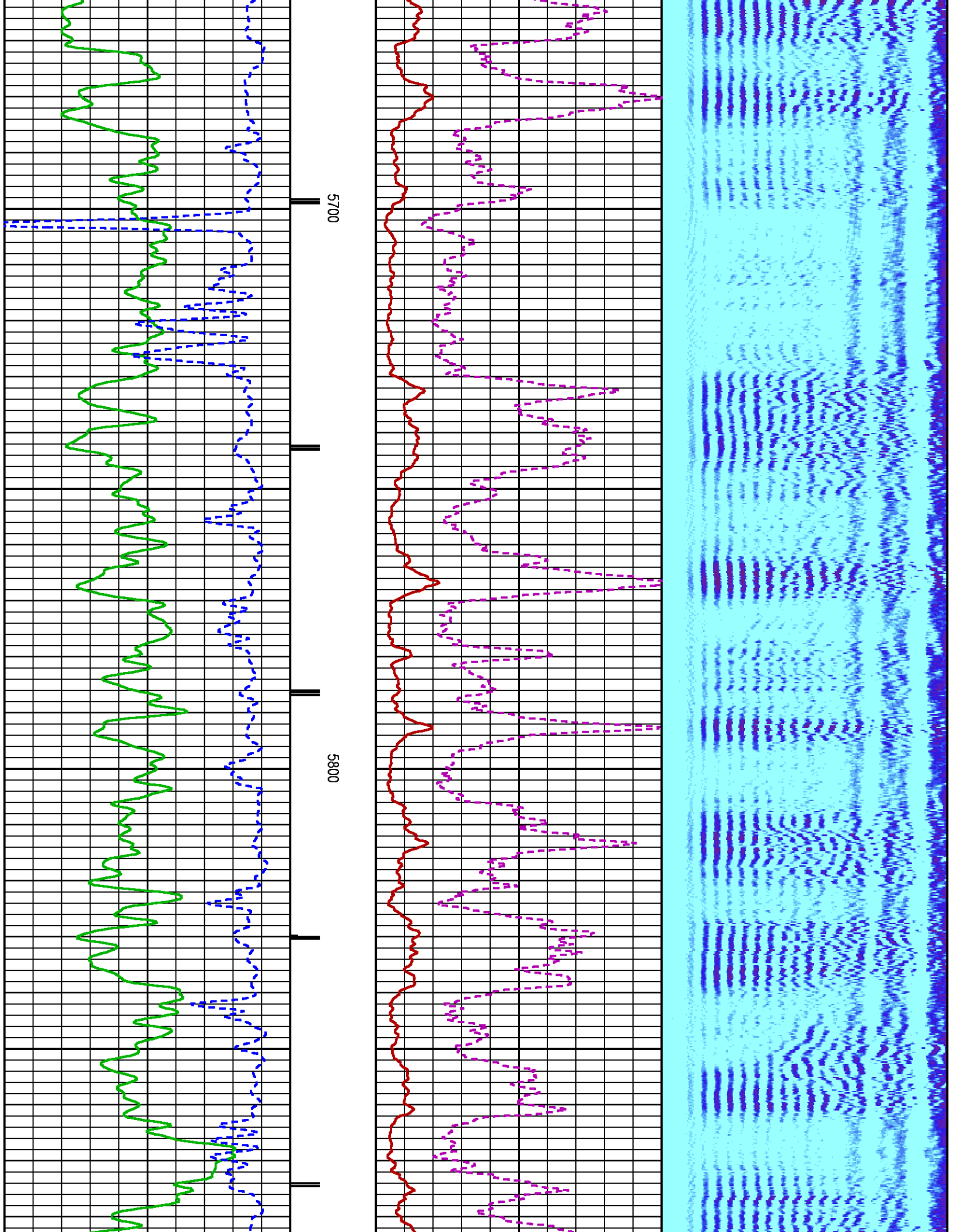


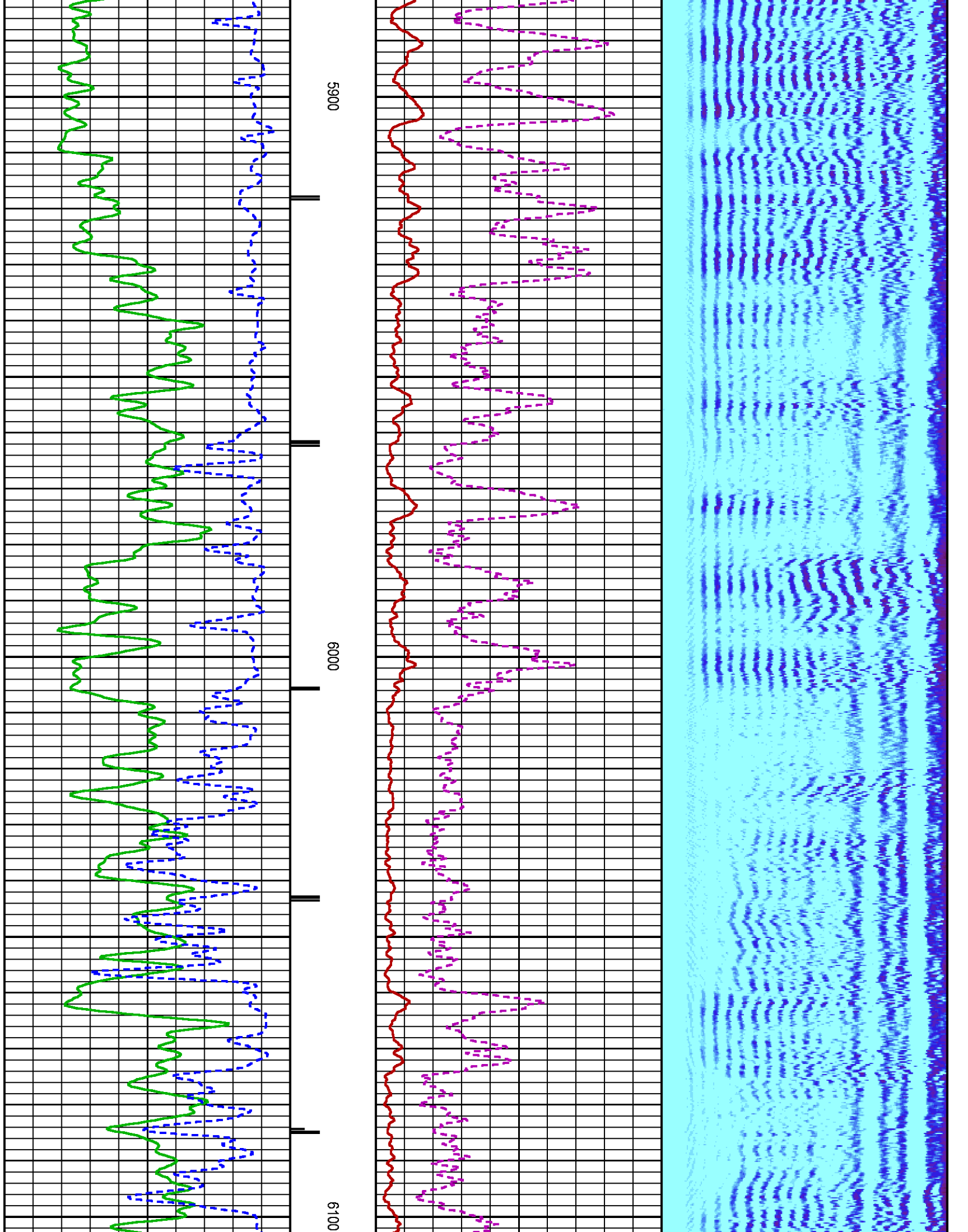


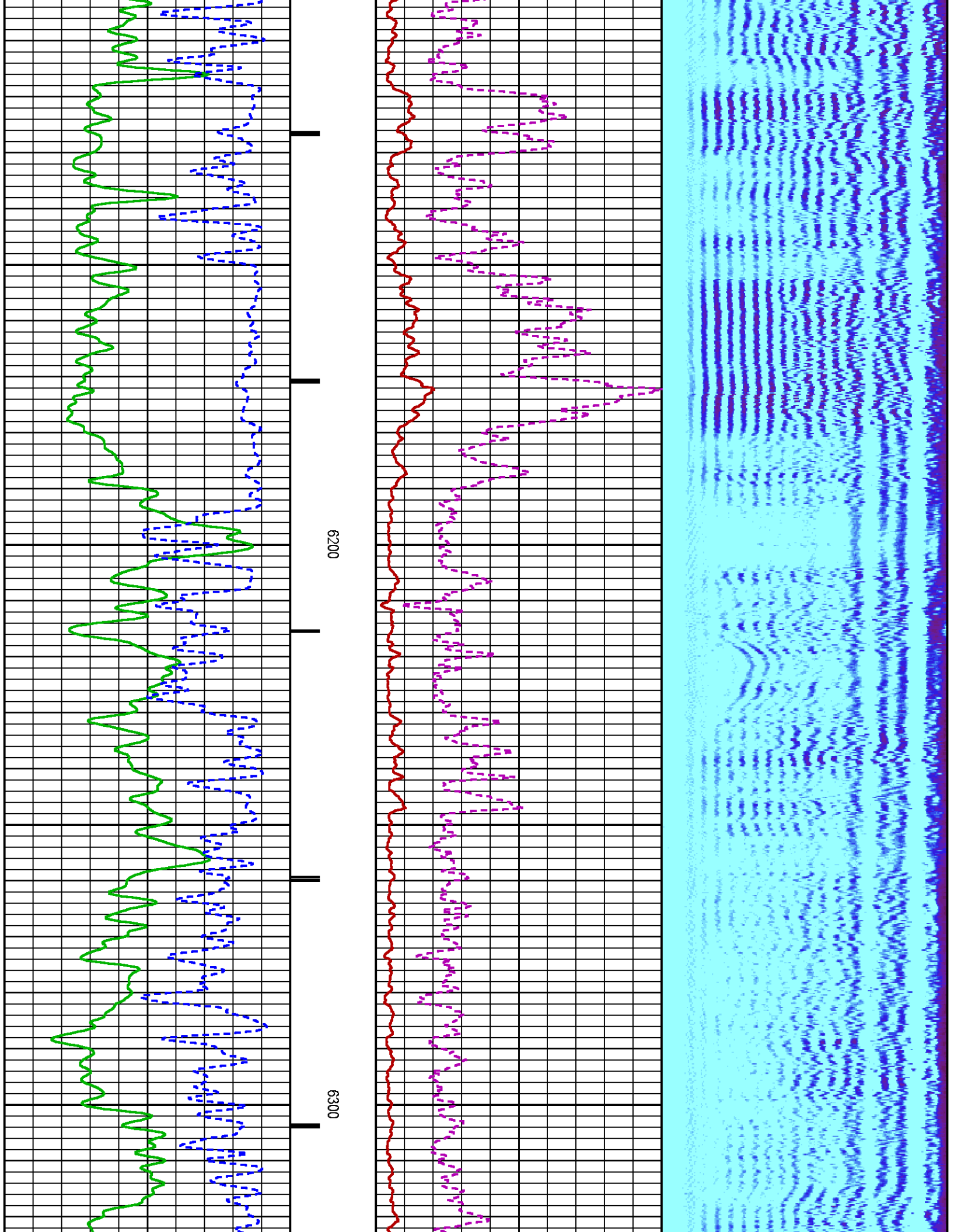


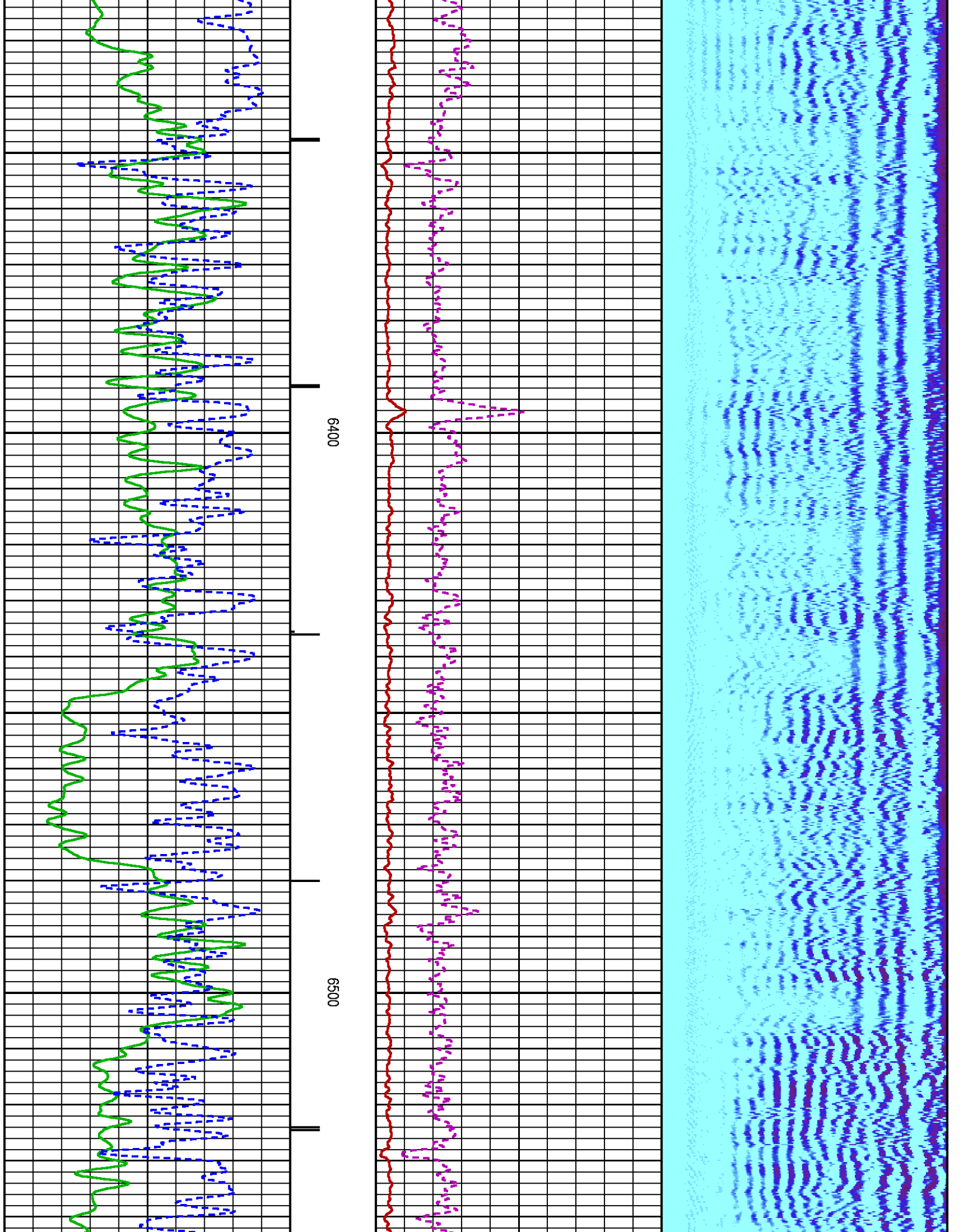




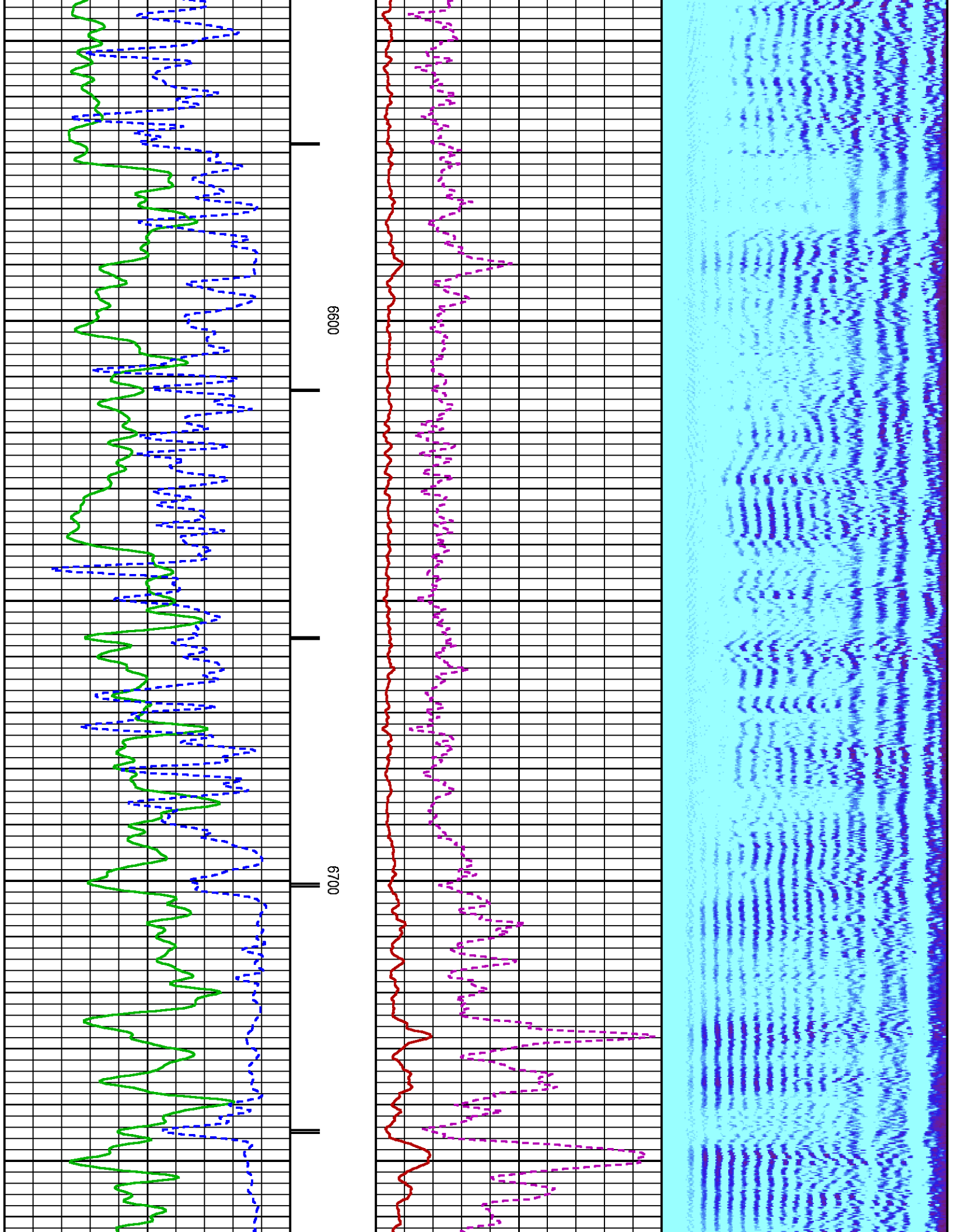


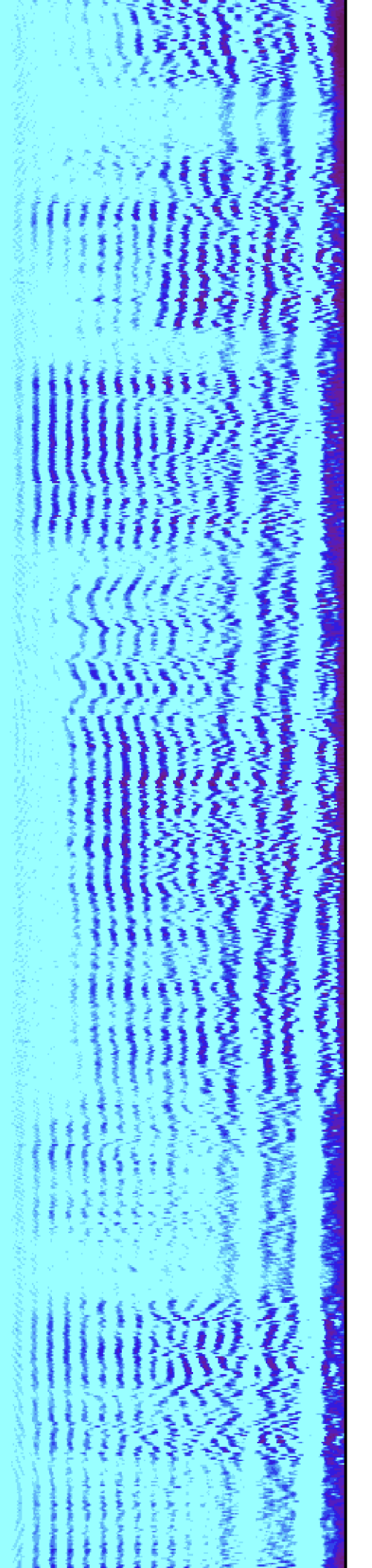
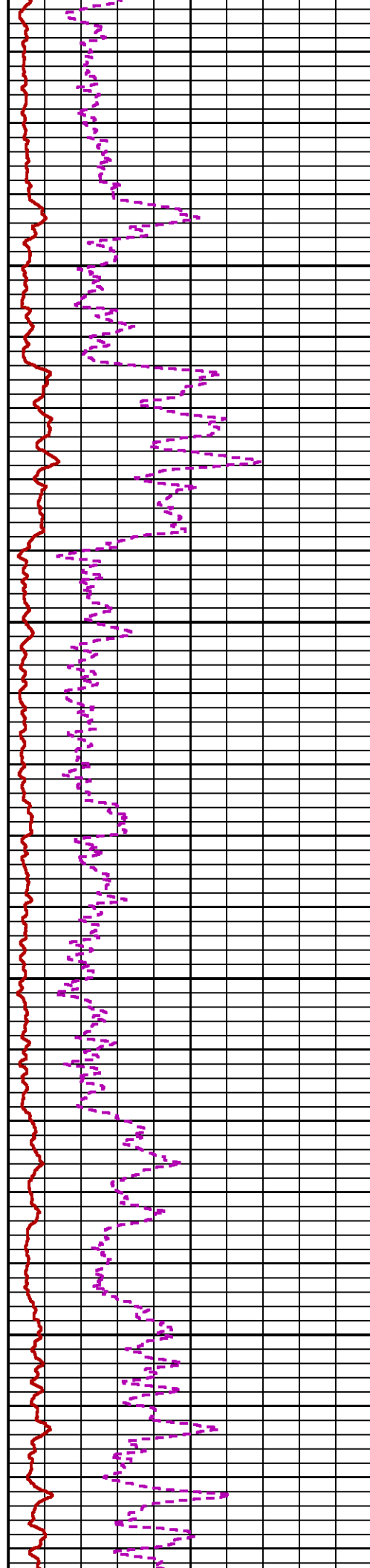
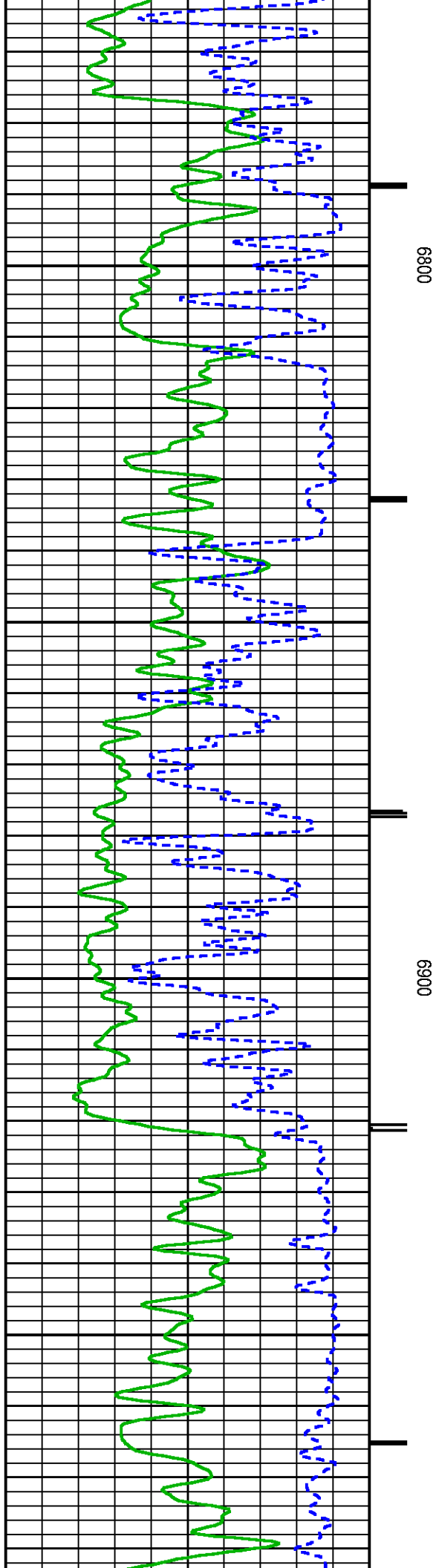


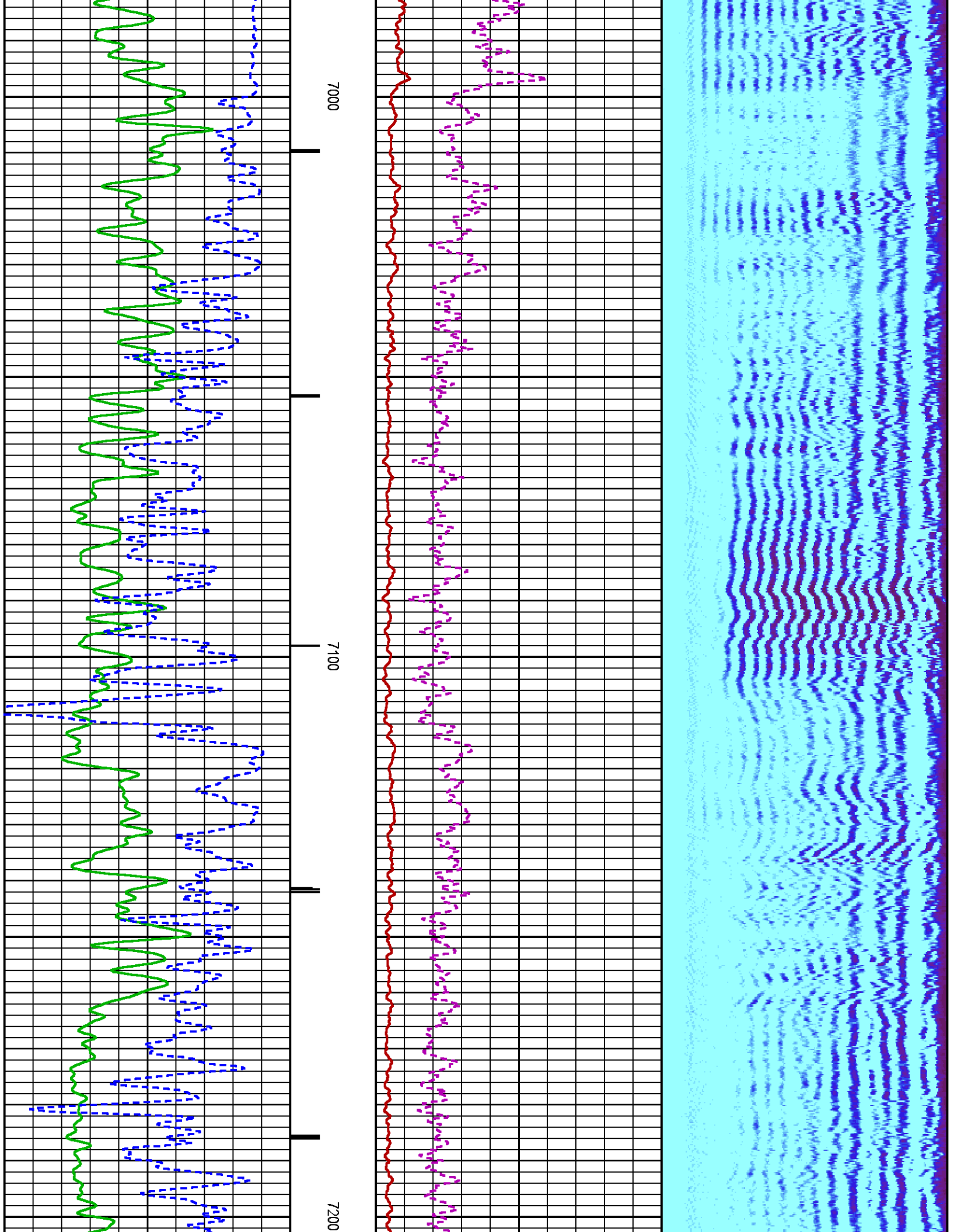


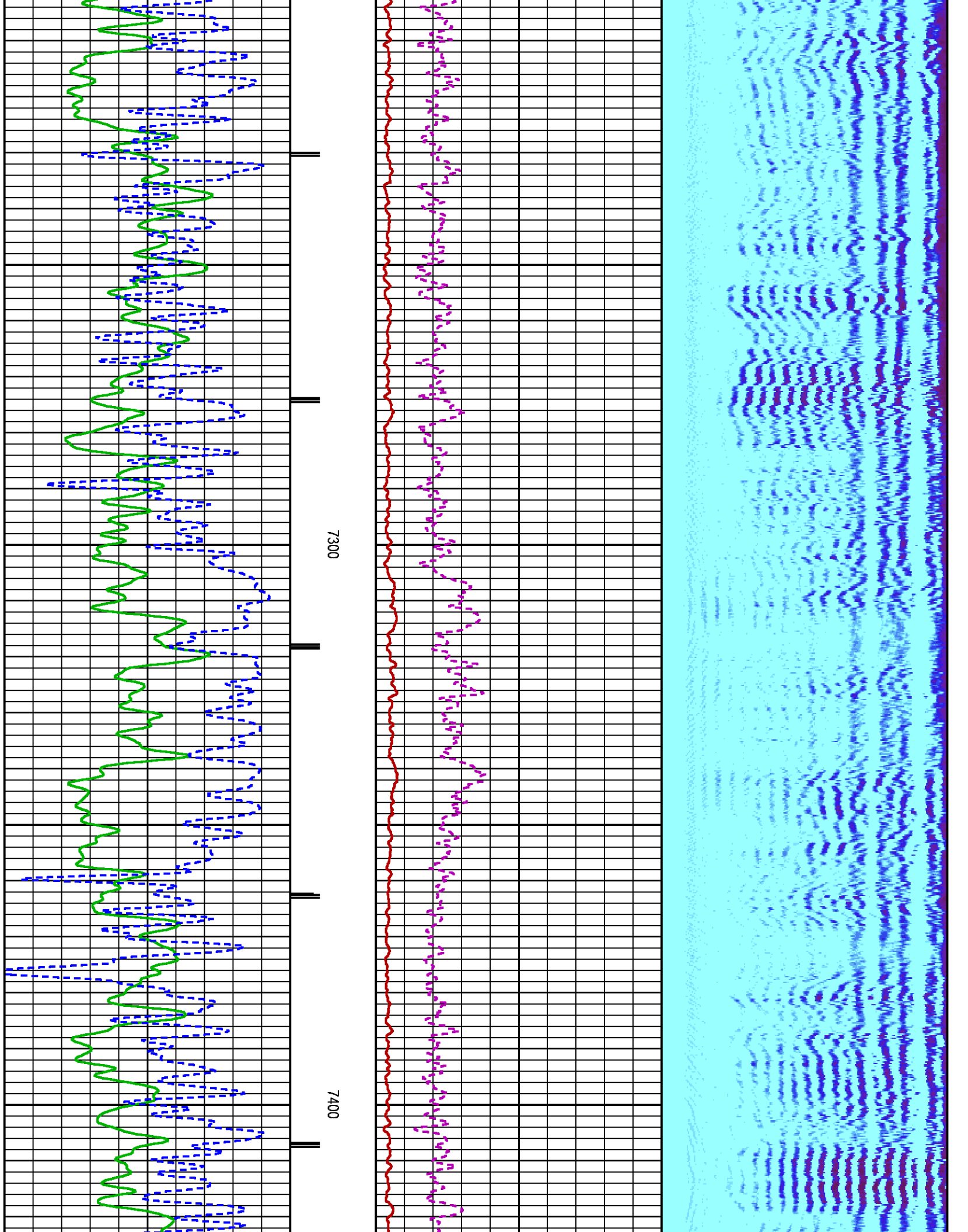




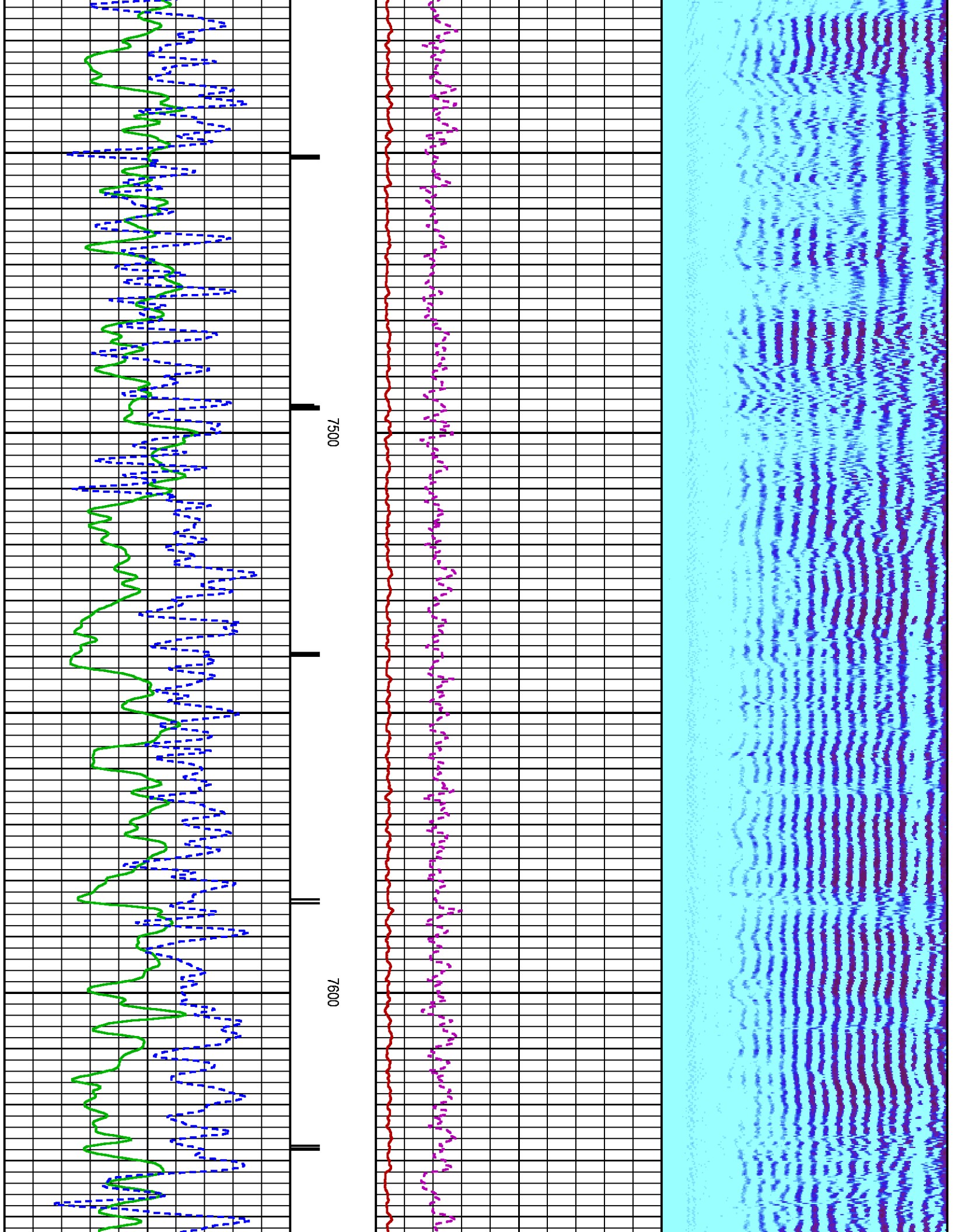


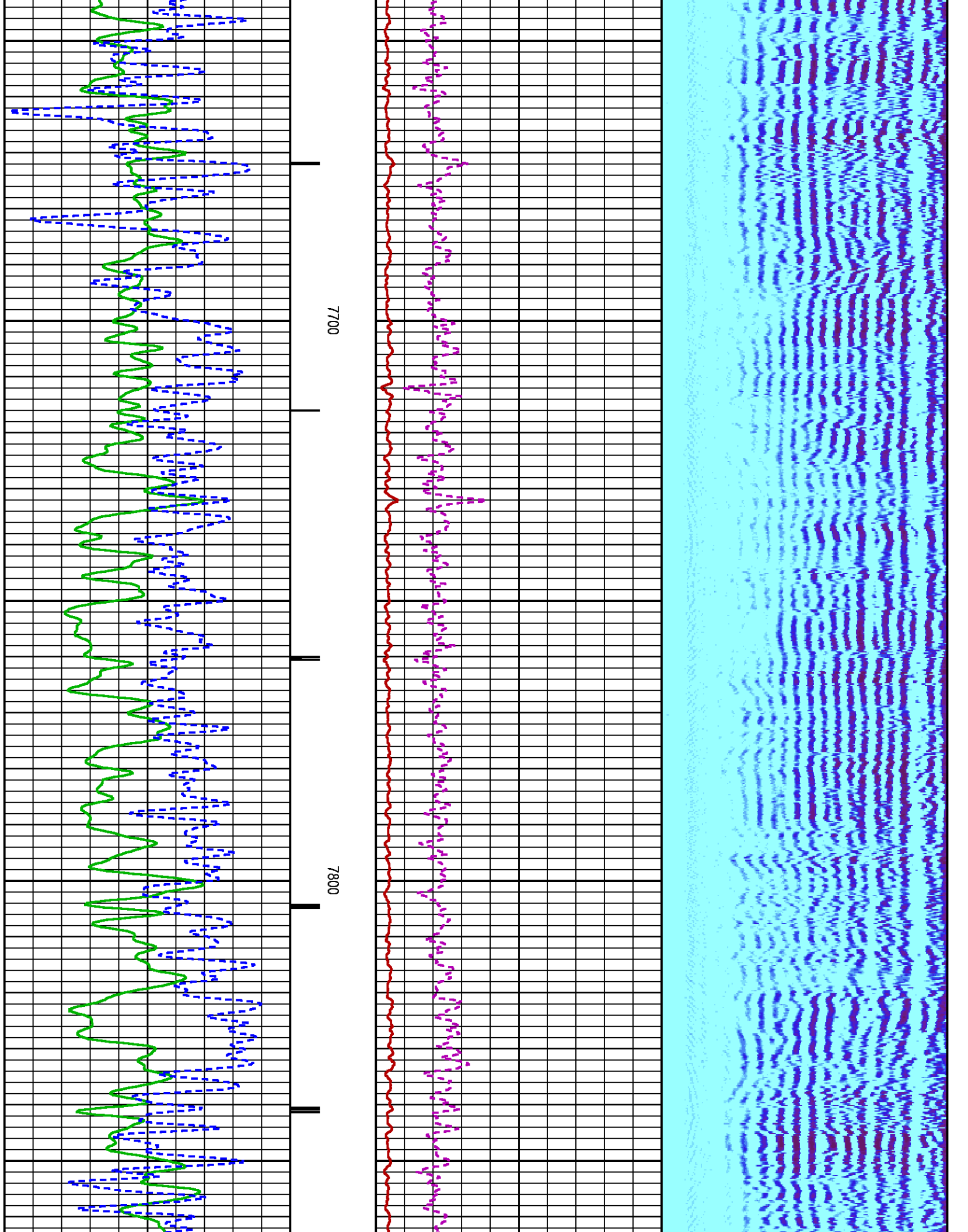


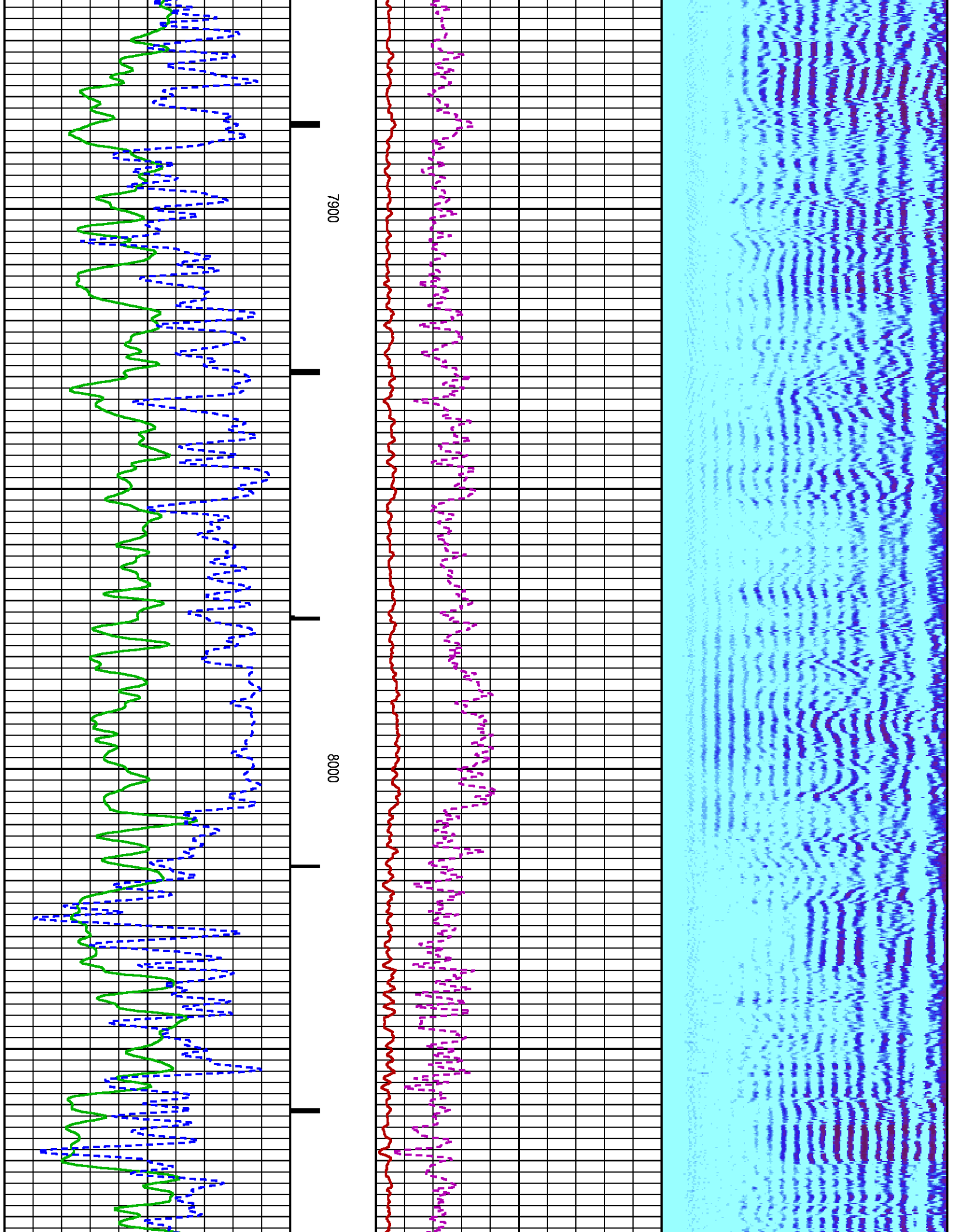


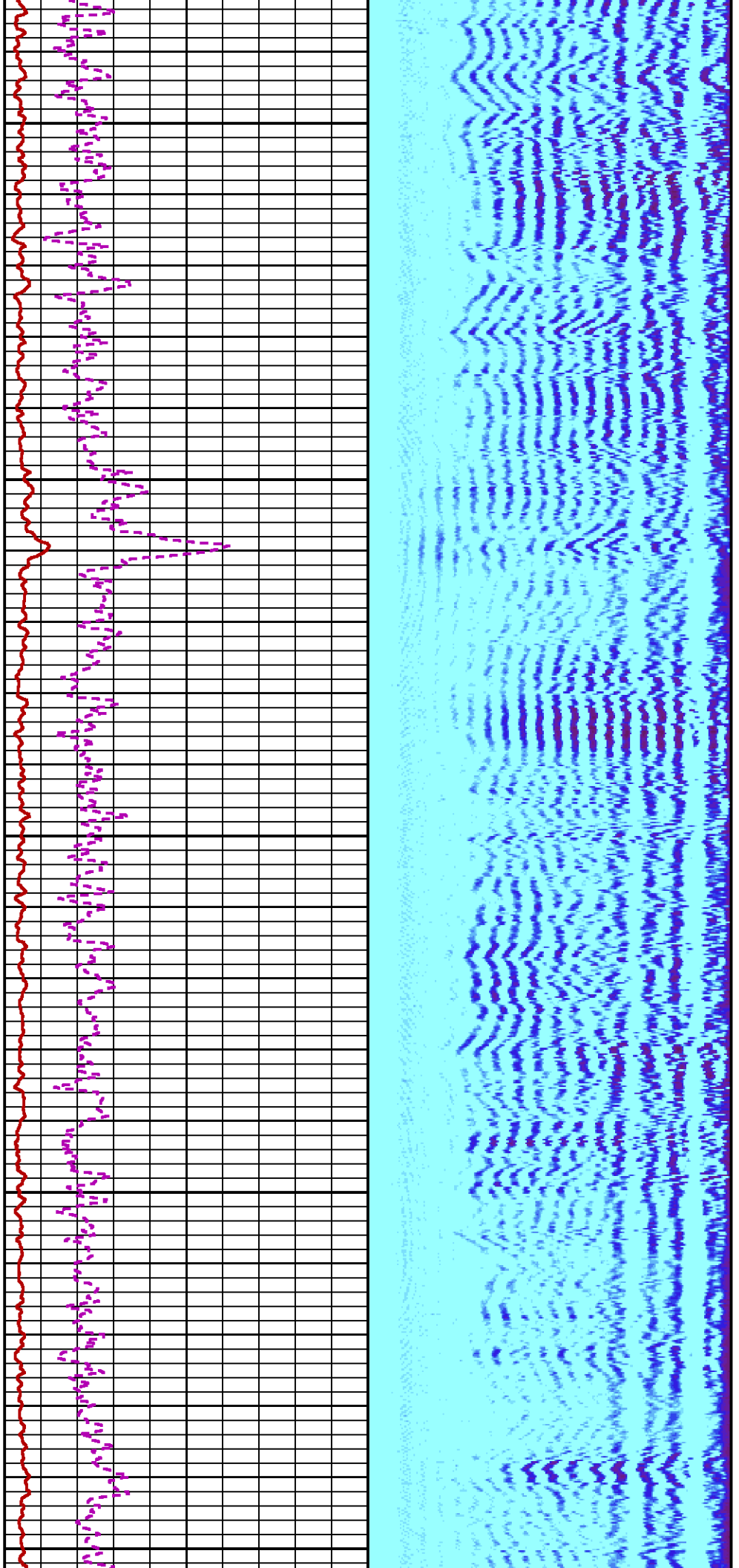








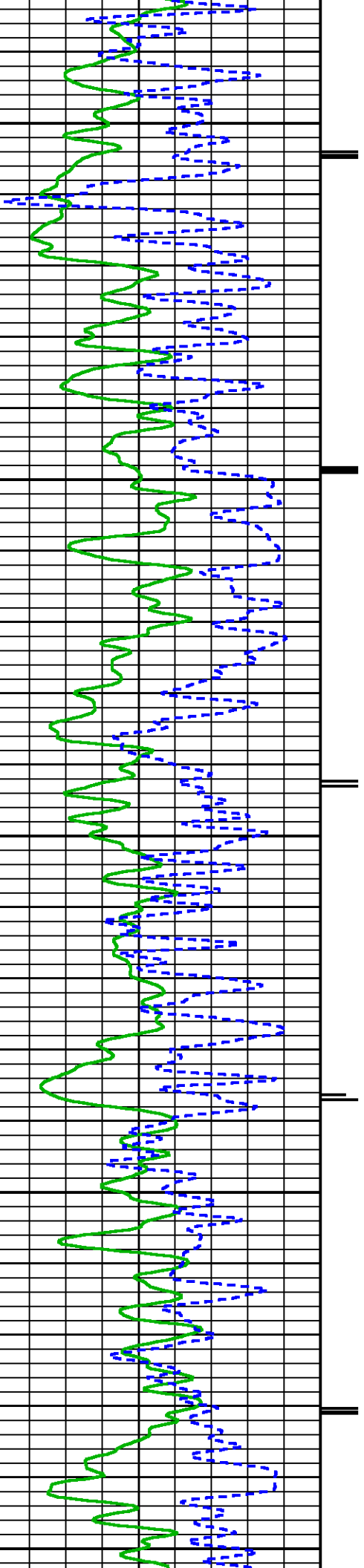




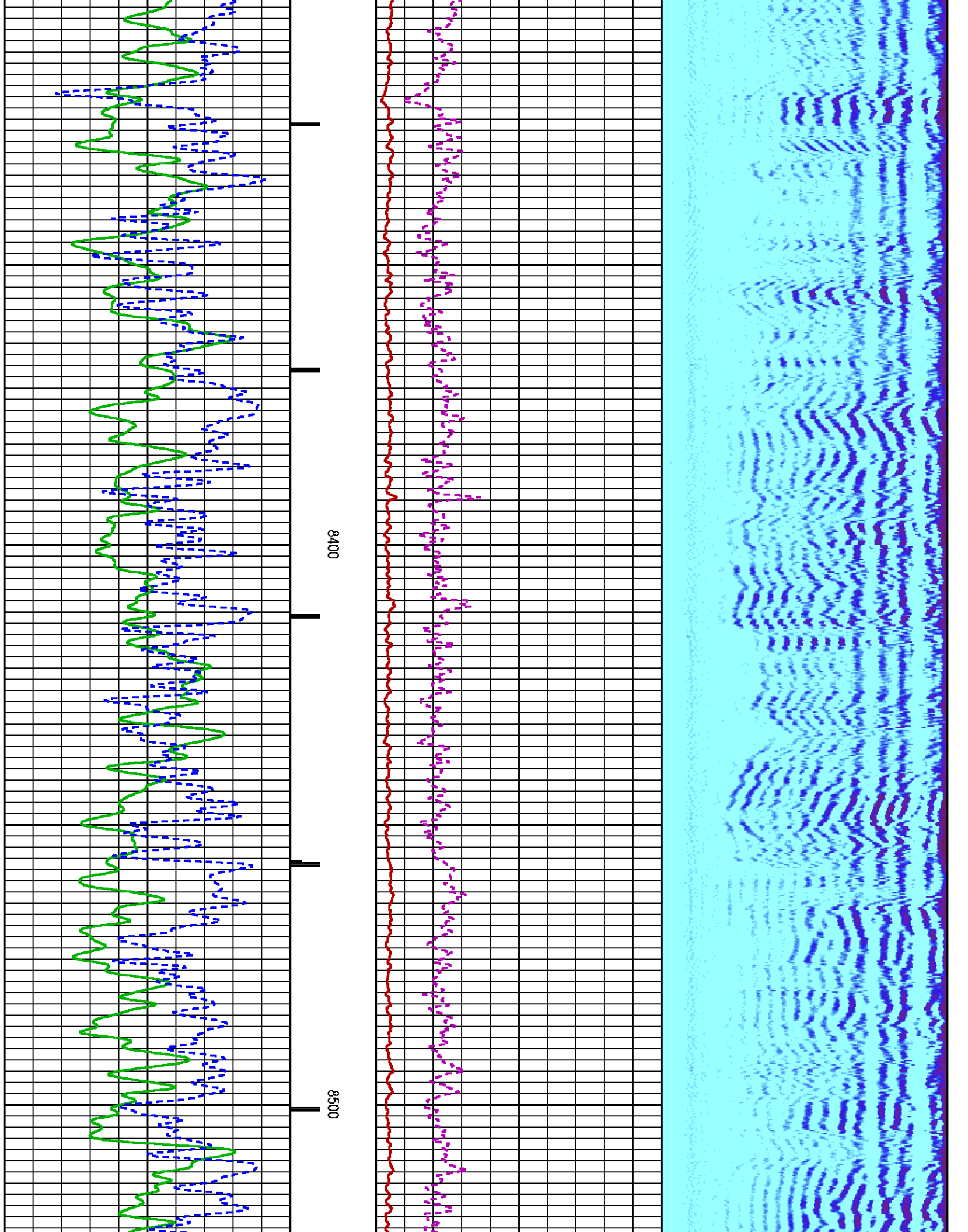
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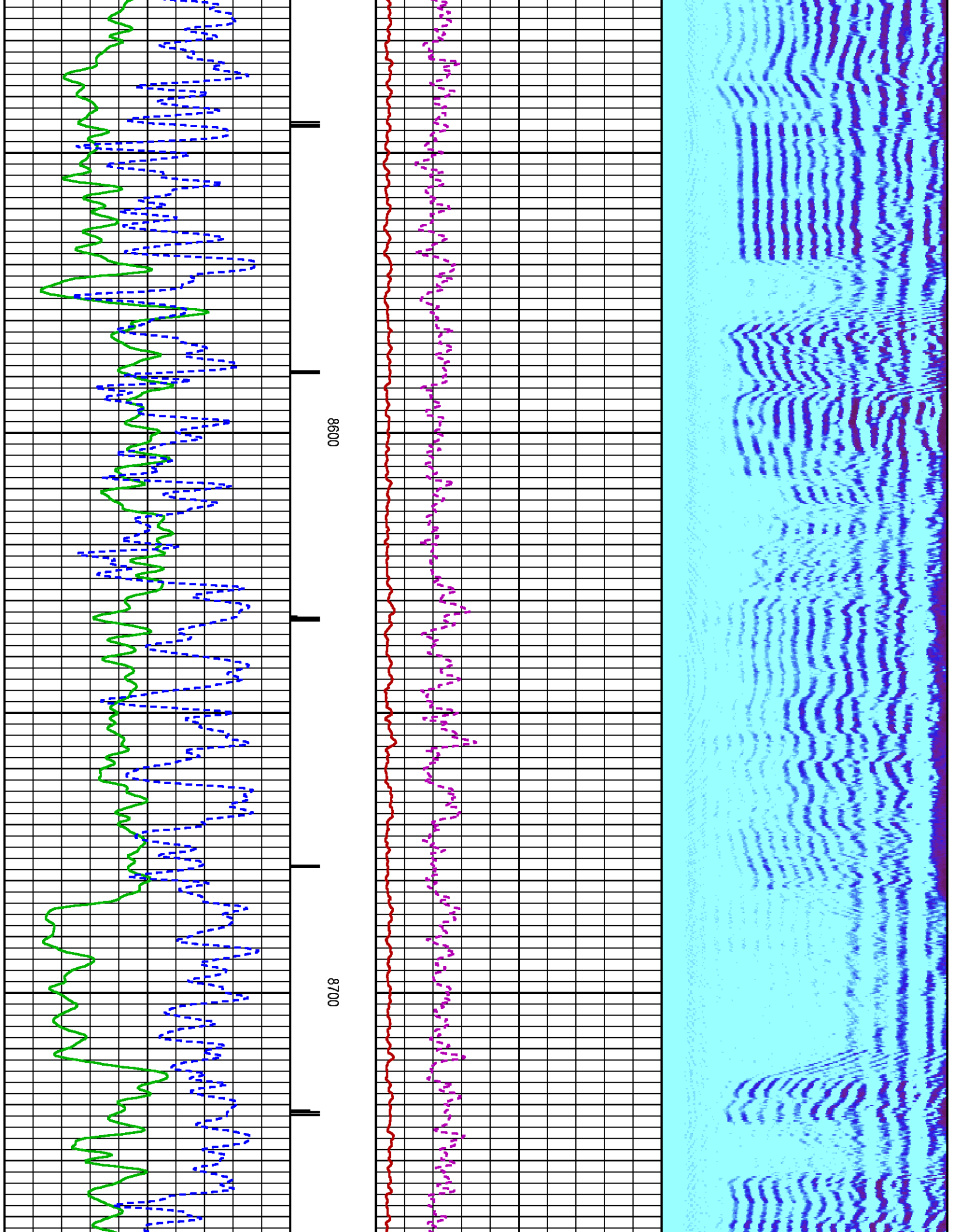
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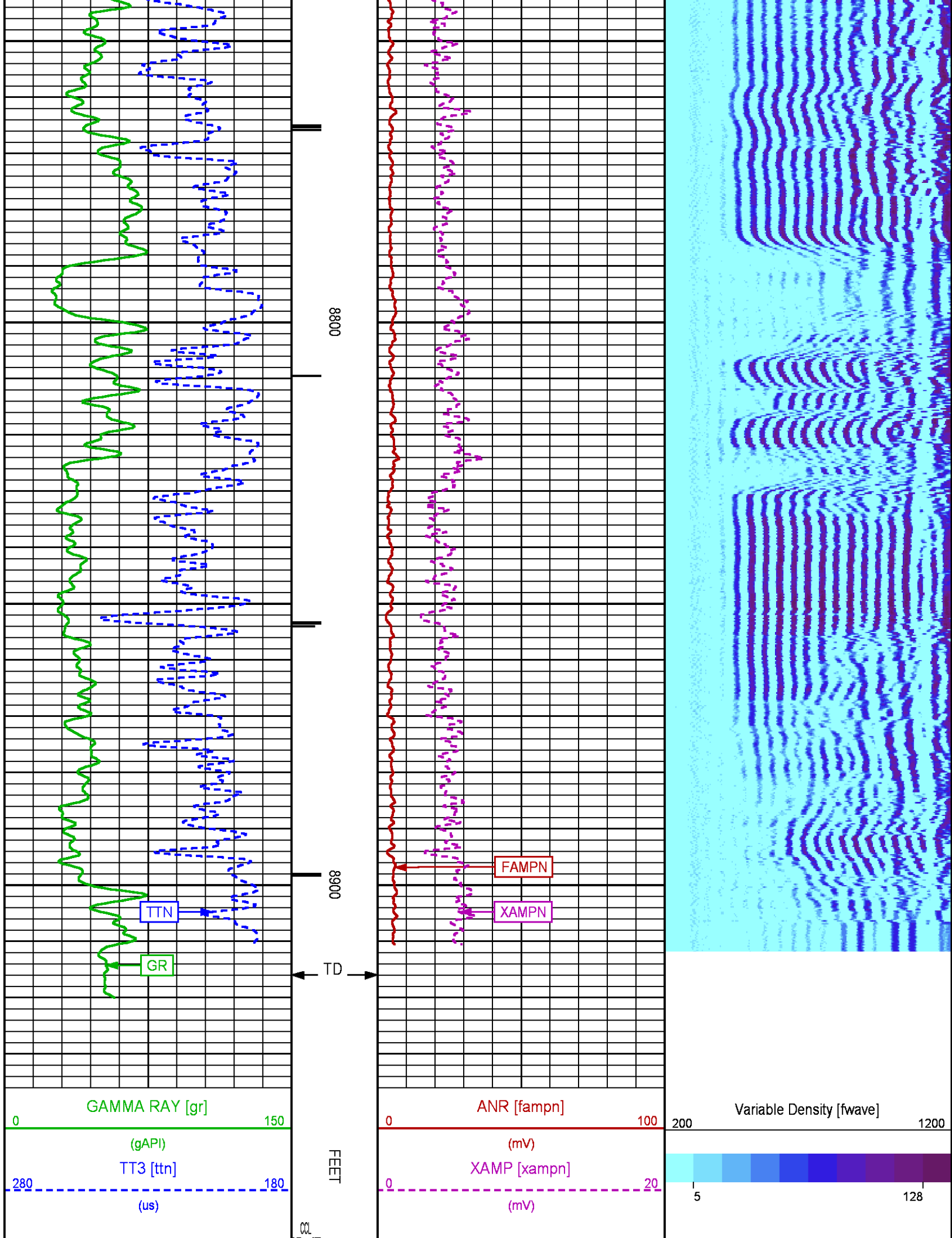
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## SECONDARY PRESENTATION 0 PSI

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

Plotted: Sun Jan 11 14:44:25 2015

### PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093874\012g02.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 27.500 ft BOTTOM DEPTH: 8920.000 ft

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	light (2a)		"	"
TRAVEL TIME	FILTER ()	medium (1)		"	"

#### RAL CCL PROCESSING

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

#### ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	183	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	183	us	"	"
	AMP WINDOW START (fgp3*)	183	us	"	"
	AMP WINDOW START (fgp4*)	183	us	"	"
	AMP WINDOW START (fgp5*)	183	us	"	"
	AMP WINDOW START (fgp6*)	183	us	"	"
	AMP WINDOW START (fgp7*)	183	us	"	"
	AMP WINDOW START (fgp8*)	183	us	"	"
	AMP WINDOW START (fgpn*)	183	us	"	"
TRAVEL TIME WINDOW (NEAR)	AMP WINDOW LENGTH	25	us	"	"
	TT WINDOW START (ttn*)	171	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-70	us	"	"
	TOOL DELAY (str2*)	-70	us	"	"
	TOOL DELAY (str3*)	-70	us	"	"
	TOOL DELAY (str4*)	-70	us	"	"
	TOOL DELAY (str5*)	-70	us	"	"
	TOOL DELAY (str6*)	-70	us	"	"
	TOOL DELAY (str7*)	-70	us	"	"
	TOOL DELAY (str8*)	-70	us	"	"
BASELINE NOISE (NEAR)	TOOL DELAY (strn*)	-70	us	"	"
	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

#### PERCENT BOND CEMENT MAP

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

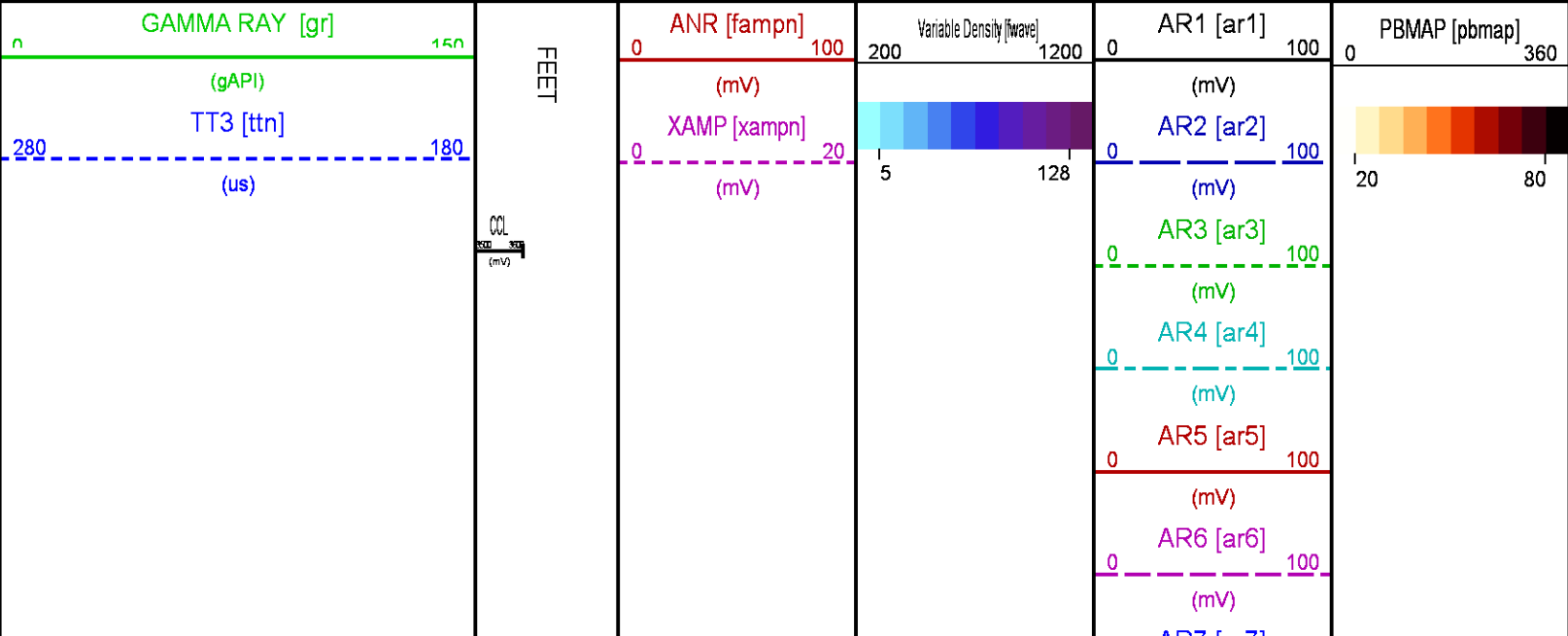


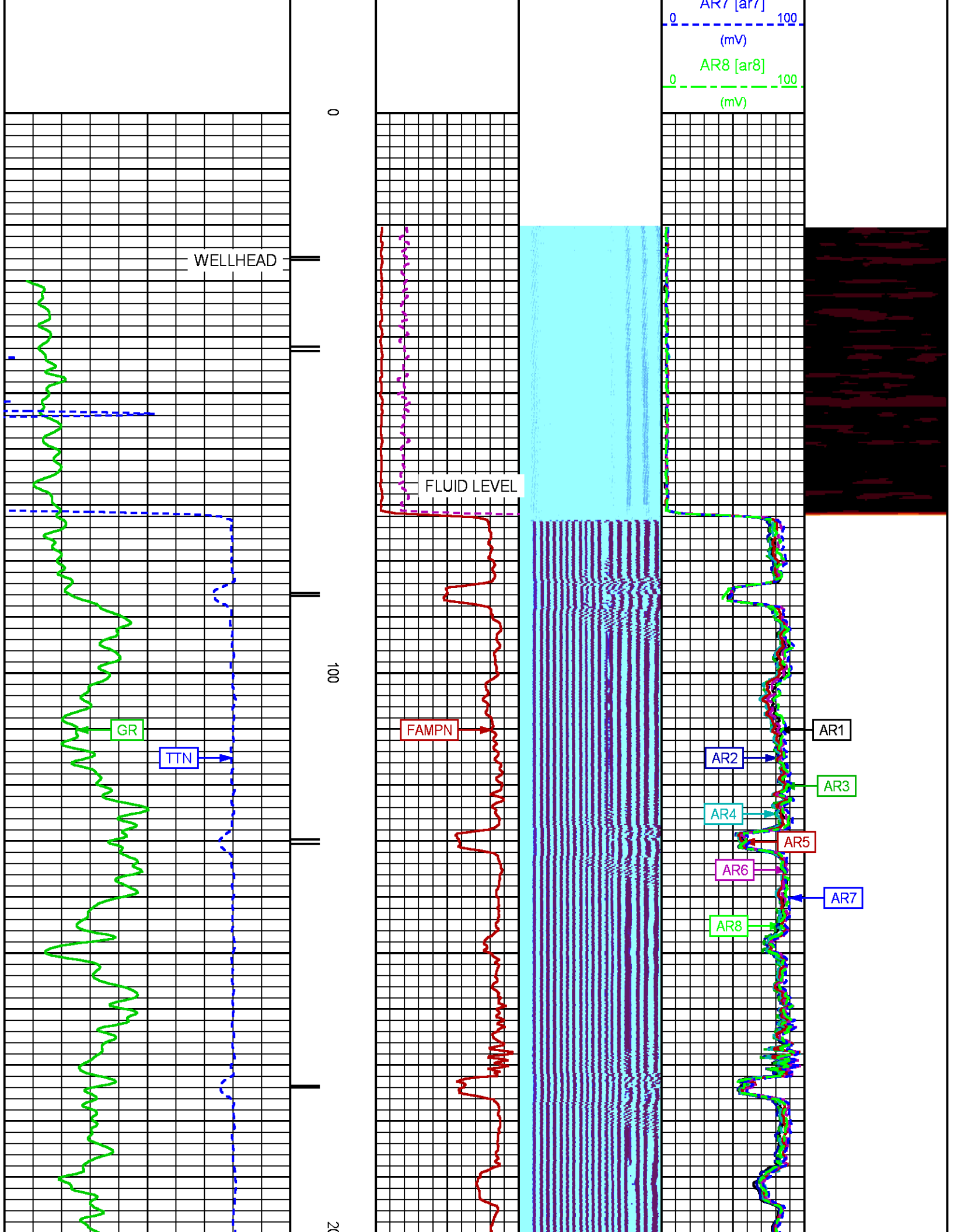
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE AMP REC 8	80	mV	"	"
RAL FULL BOND AMPLITUDE	FULL BOND AMP REC 1	2	mV	"	"
	FULL BOND AMP REC 2	2	mV	"	"
	FULL BOND AMP REC 3	2	mV	"	"
	FULL BOND AMP REC 4	2	mV	"	"
	FULL BOND AMP REC 5	2	mV	"	"
	FULL BOND AMP REC 6	2	mV	"	"
	FULL BOND AMP REC 7	2	mV	"	"
	FULL BOND AMP REC 8	2	mV	"	"

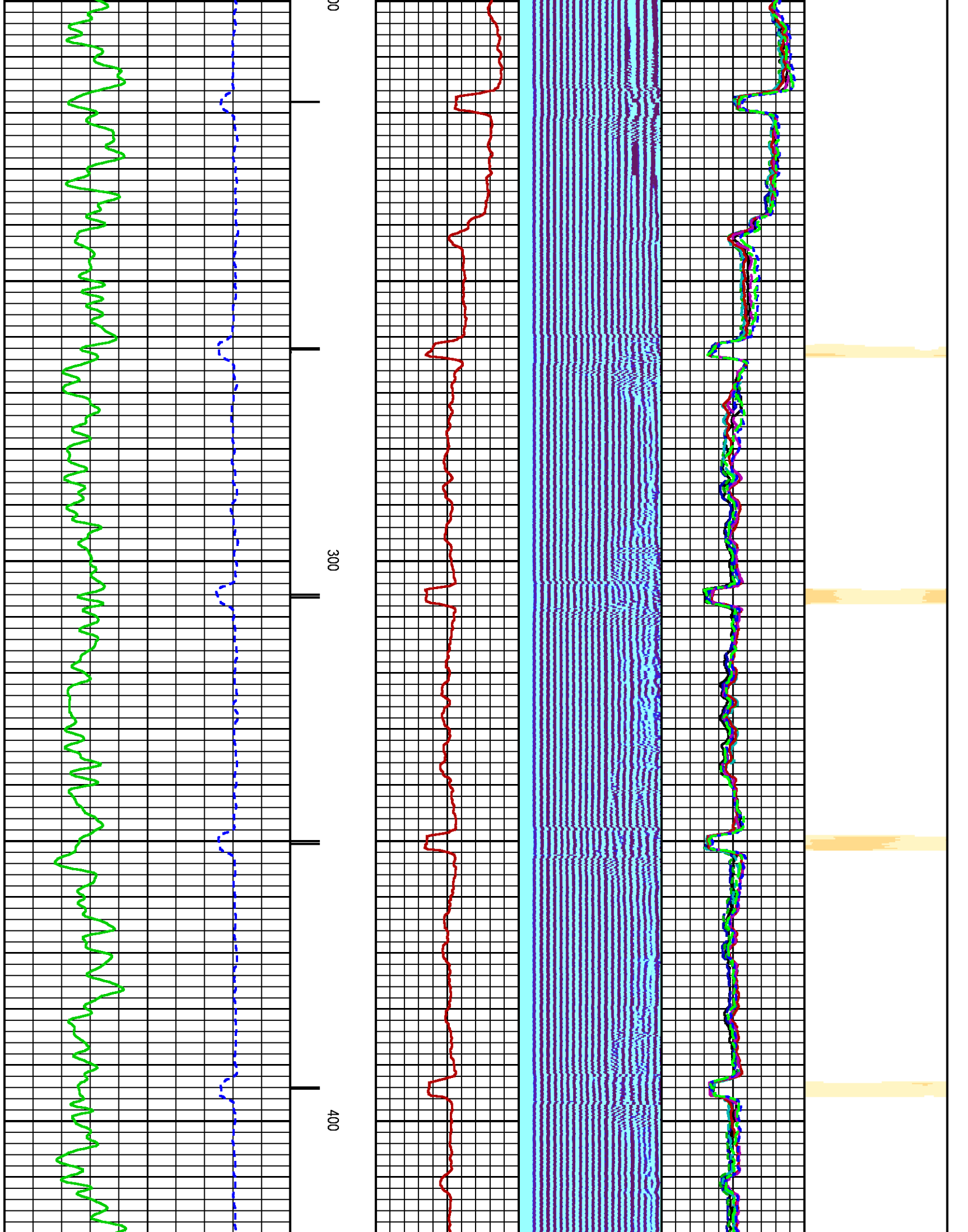
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Jan 11 08:38:58 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 11 08:38:58 2015	FAR WAVE FORM
F1:GR	Jan 11 08:38:58 2015	GAMMA RAY
F1:PBMAP	Jan 11 08:38:58 2015	PERCENT BOND CEMENT MAP
F1:TTN	Jan 11 08:38:58 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 11 08:38:58 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

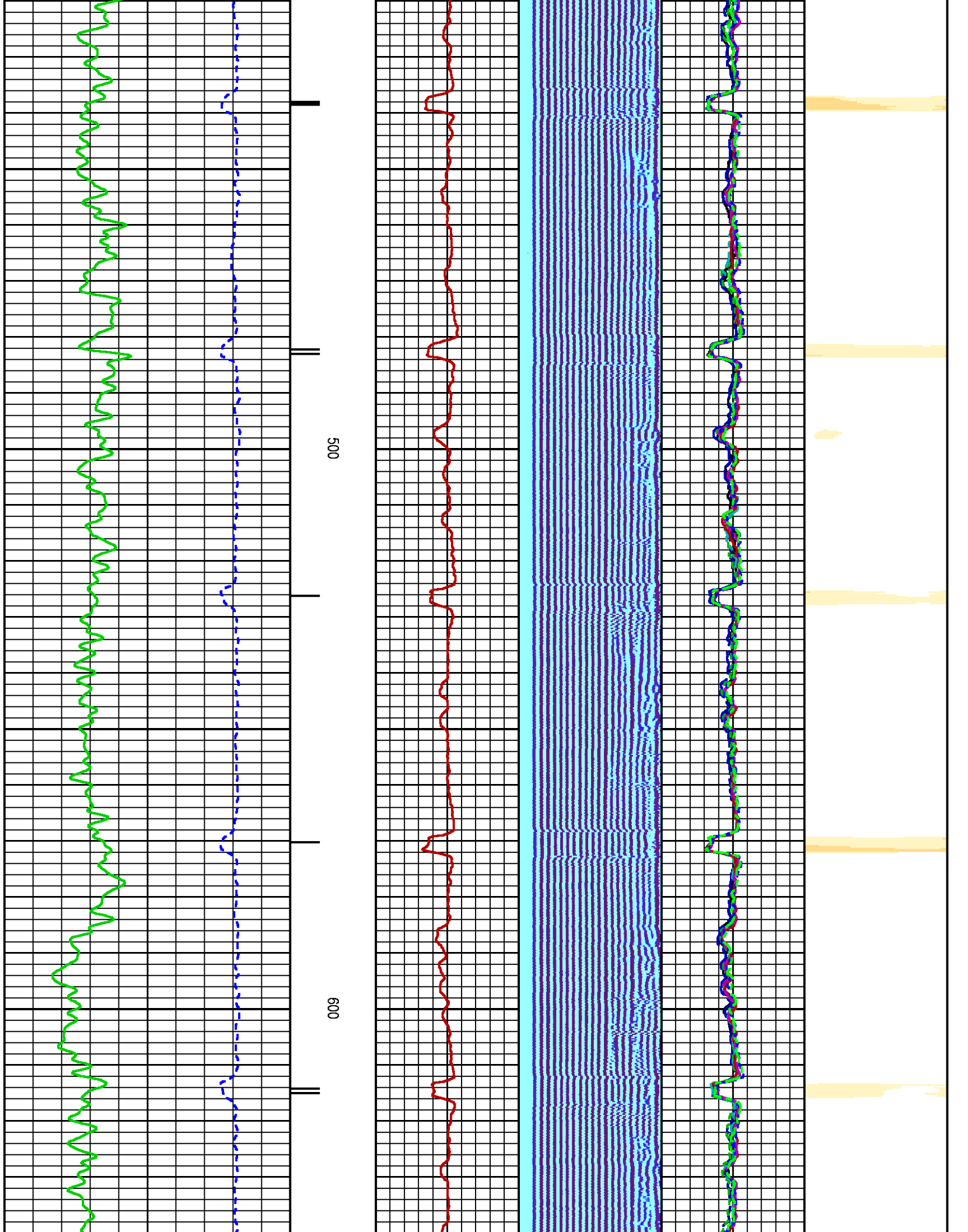
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	11.25	AR5	11.25	CCL	5.75	XAMPN	11.25
AR2	11.25	AR6	11.25	FAMPN	11.25		
AR3	11.25	AR7	11.25	GR	1.75		
AR4	11.25	AR8	11.25	TTN	11.25		

Presentation	: BHUGHES-06627:C:\dat1a\093874\441_CBL_SECONDARY.fvpdf [5"/100' Scale]
Plot Interval	: 0 - 8925 Feet
Data File 1	: F1 : BHUGHES-06627:C:\dat1a\093874\441_CBL_MAIN.xtf
Created On	: Jan 11 08:38:58 2015
Company	: WPX ENERGY
Well	: FEDERAL PA 441-27
Field	: PARACHUTE
File Interval	: 19.25 - 8923 Feet
OCT	: n012g

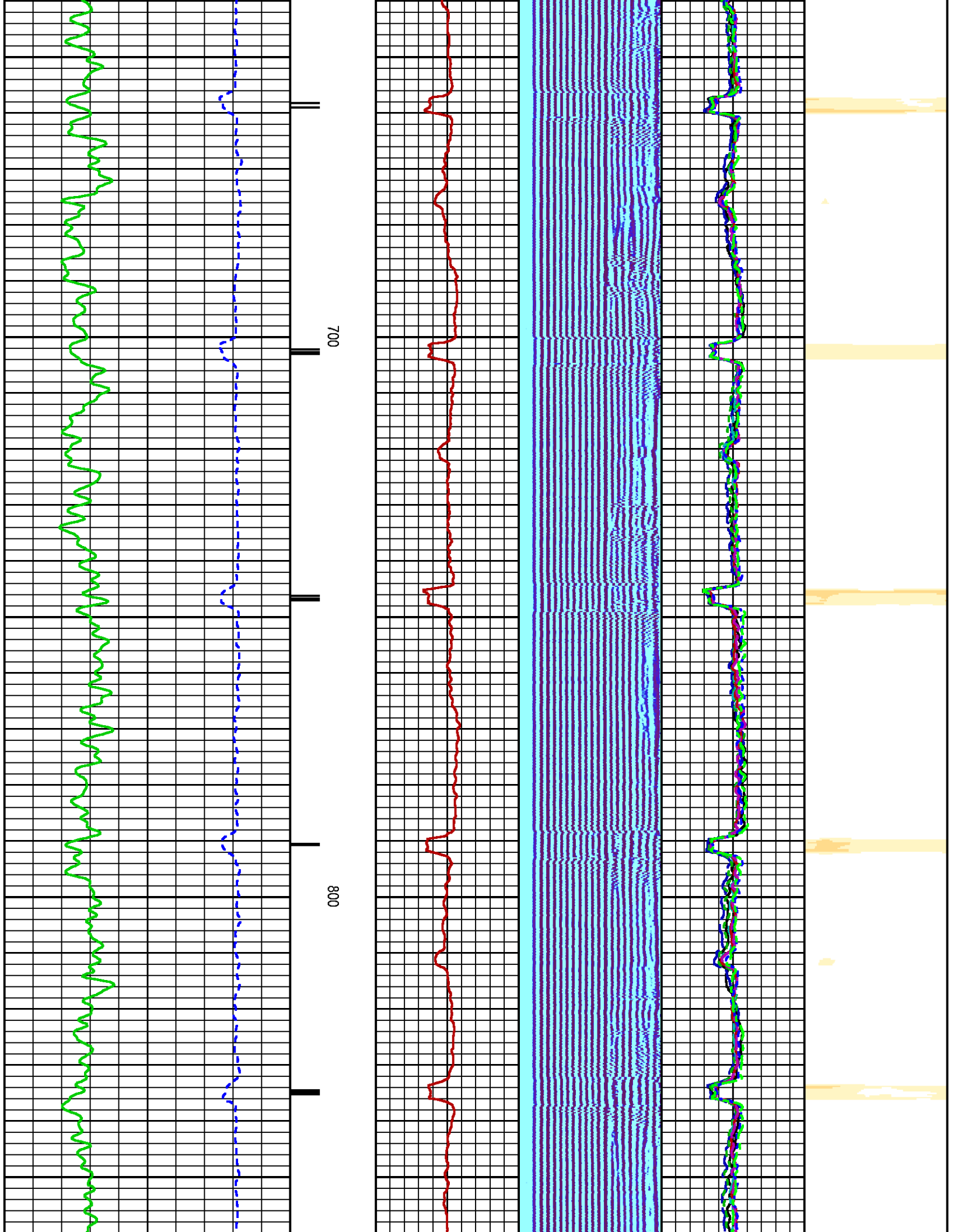


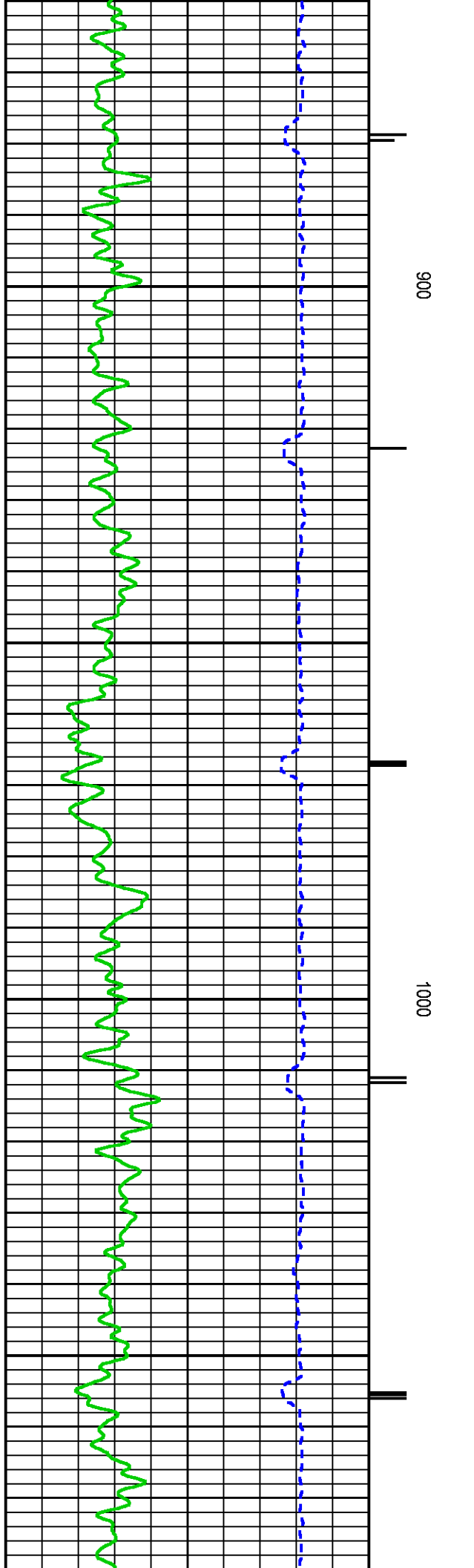
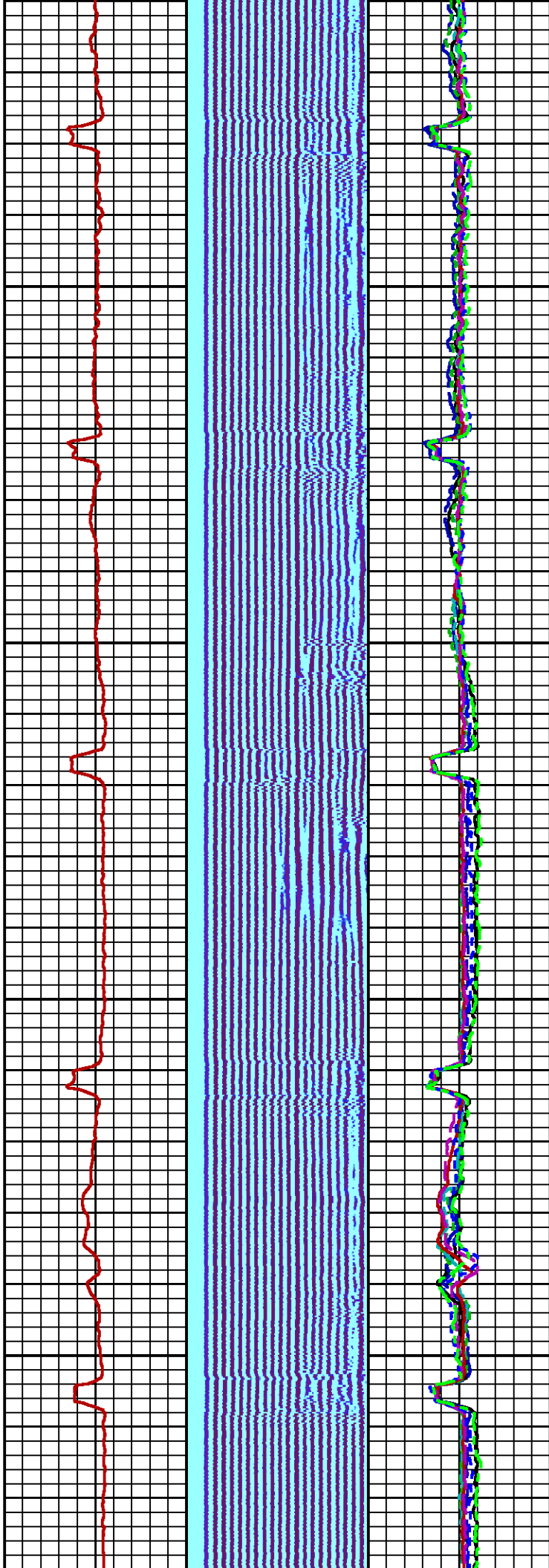
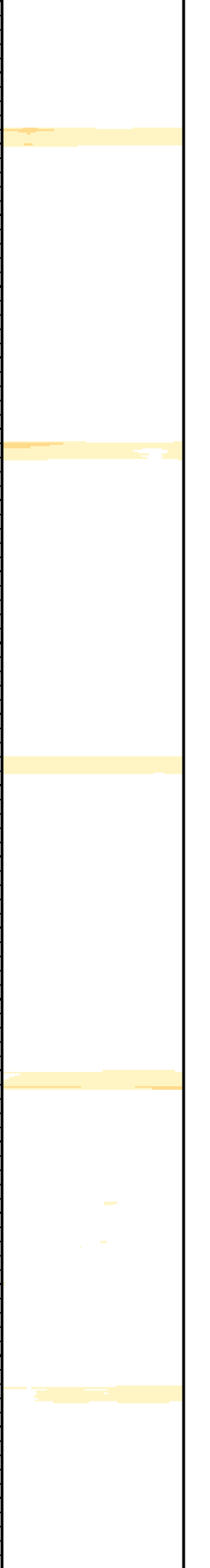


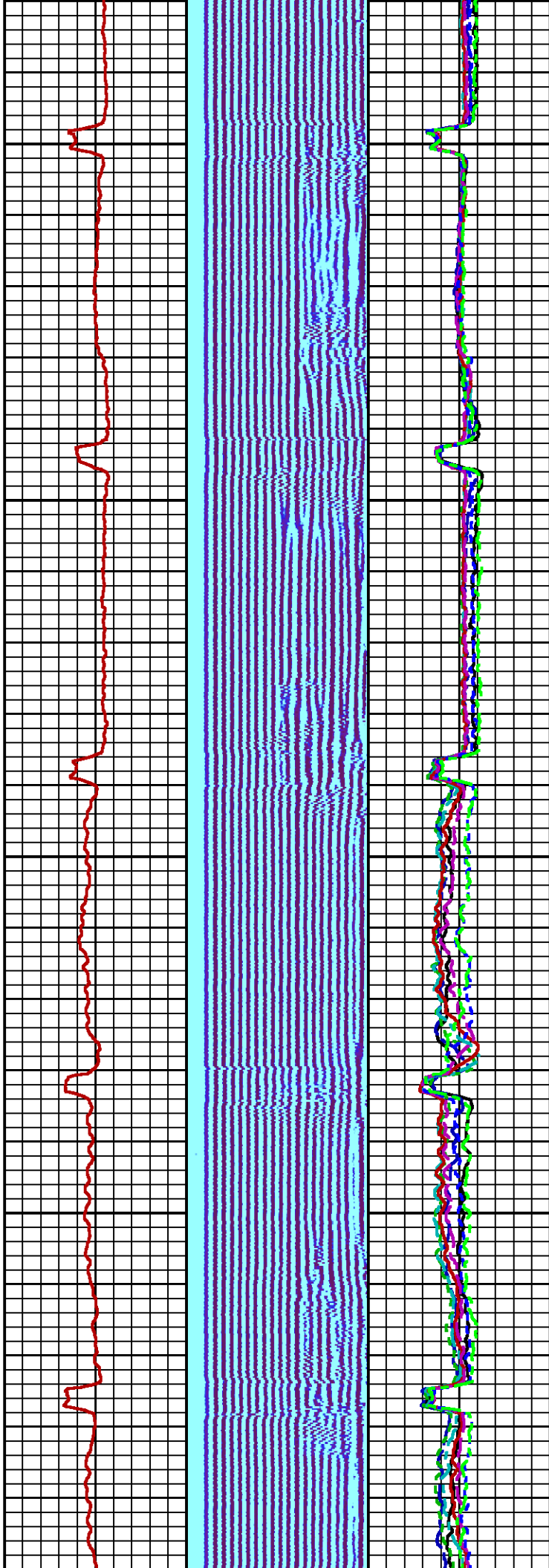








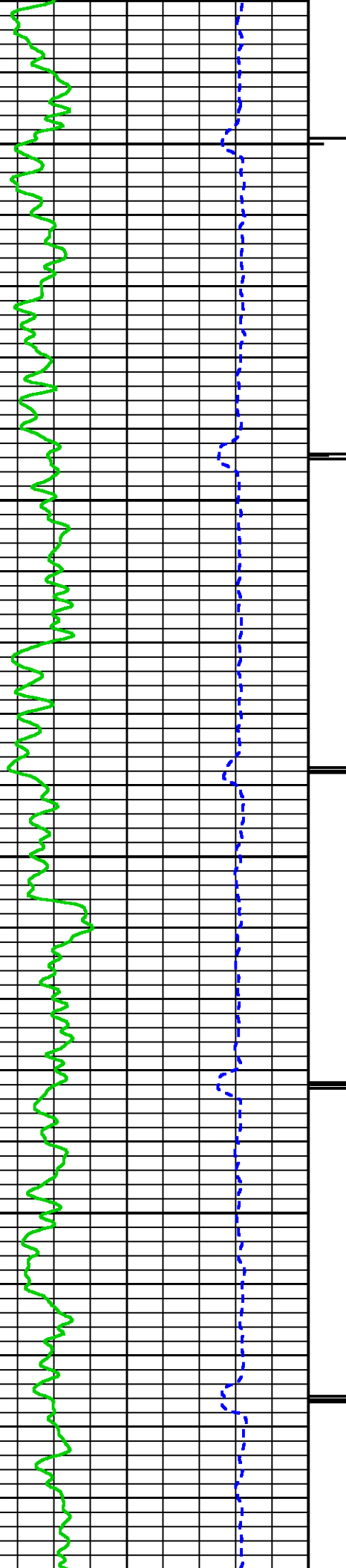


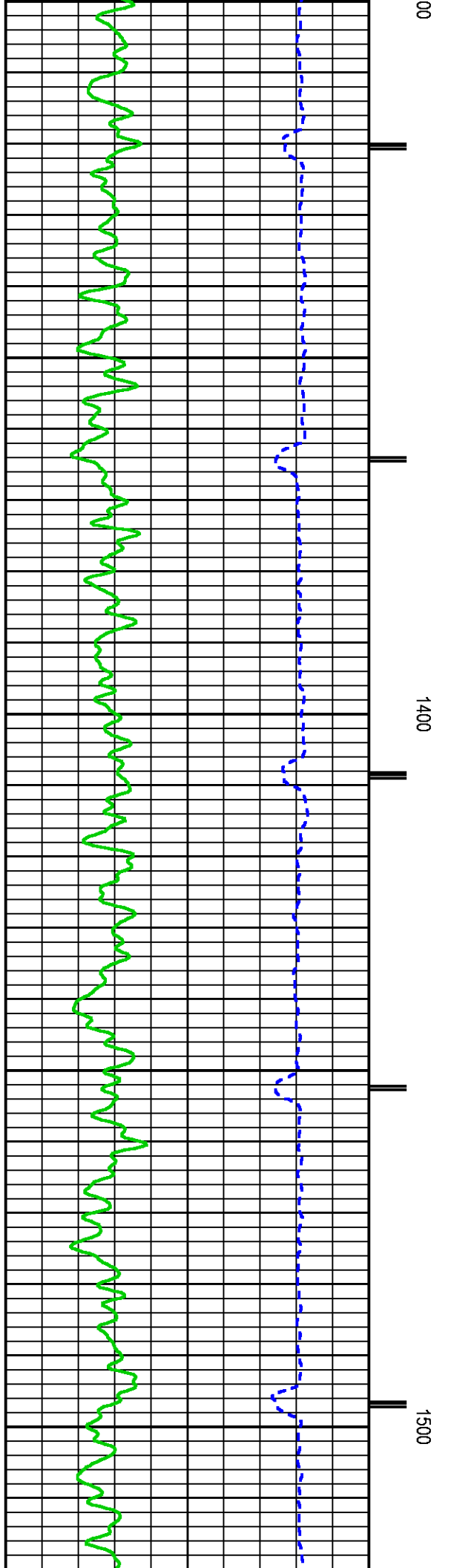
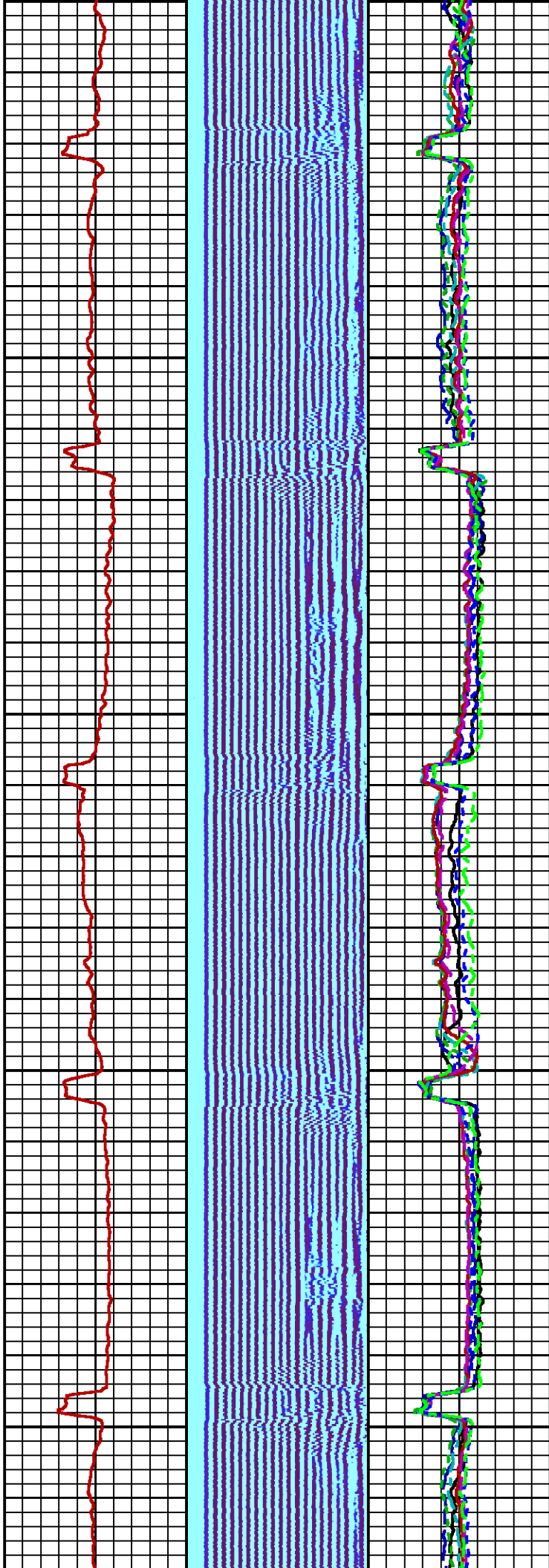
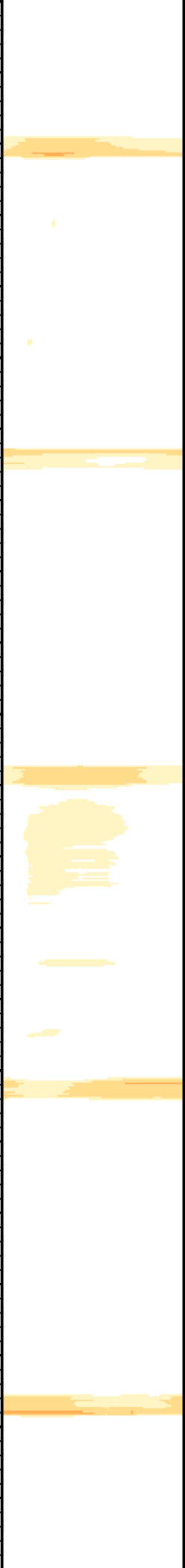


1100

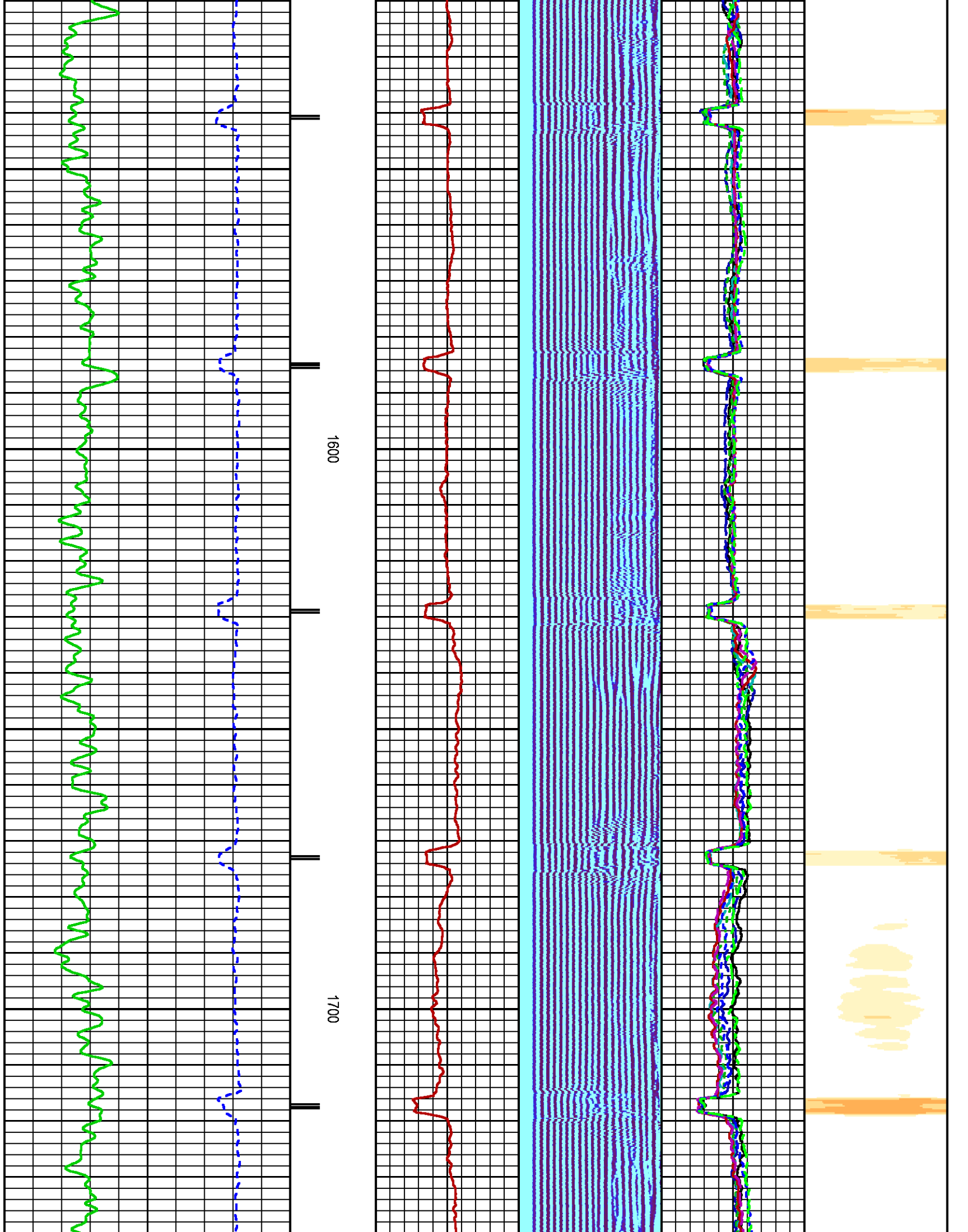
1200

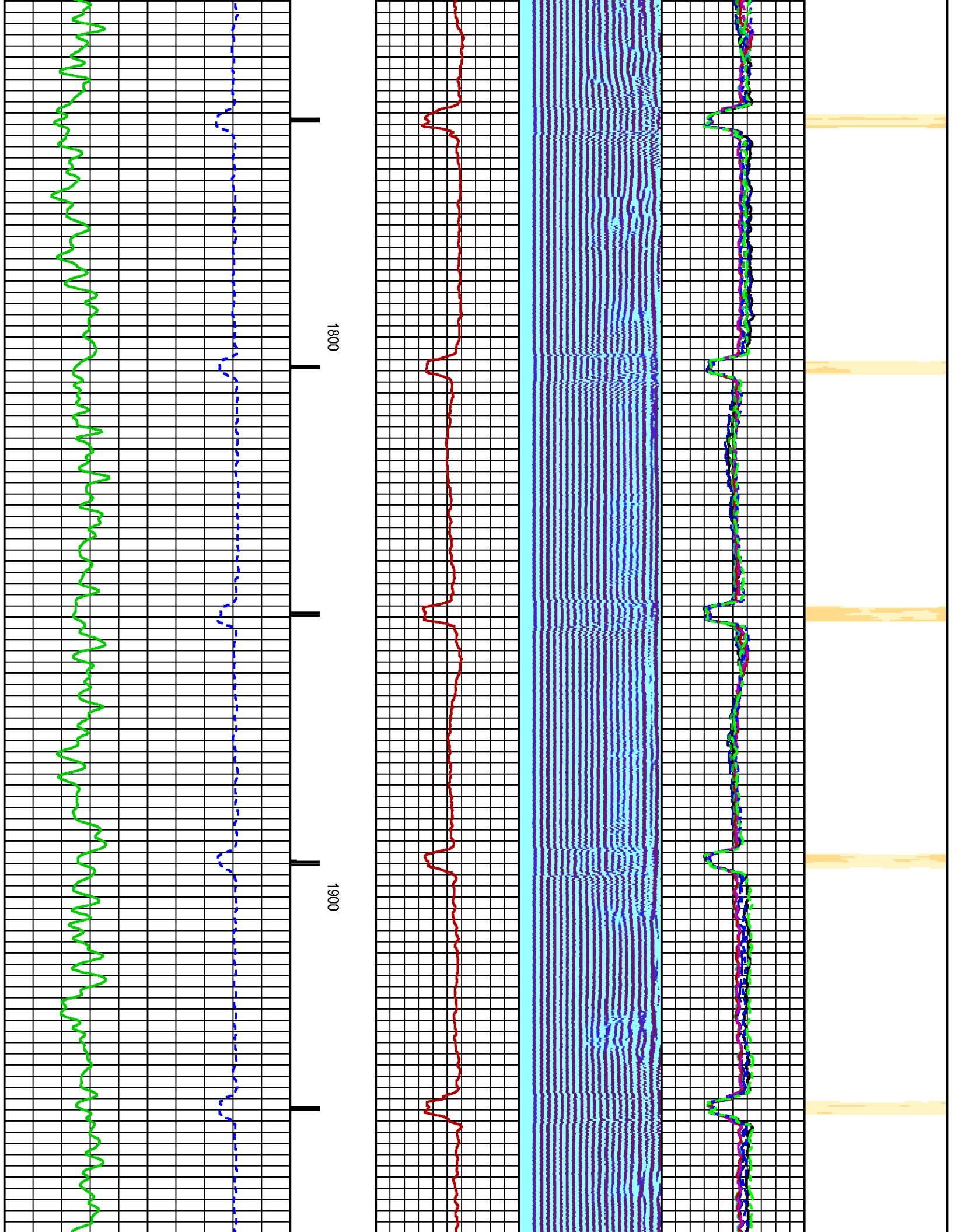
13

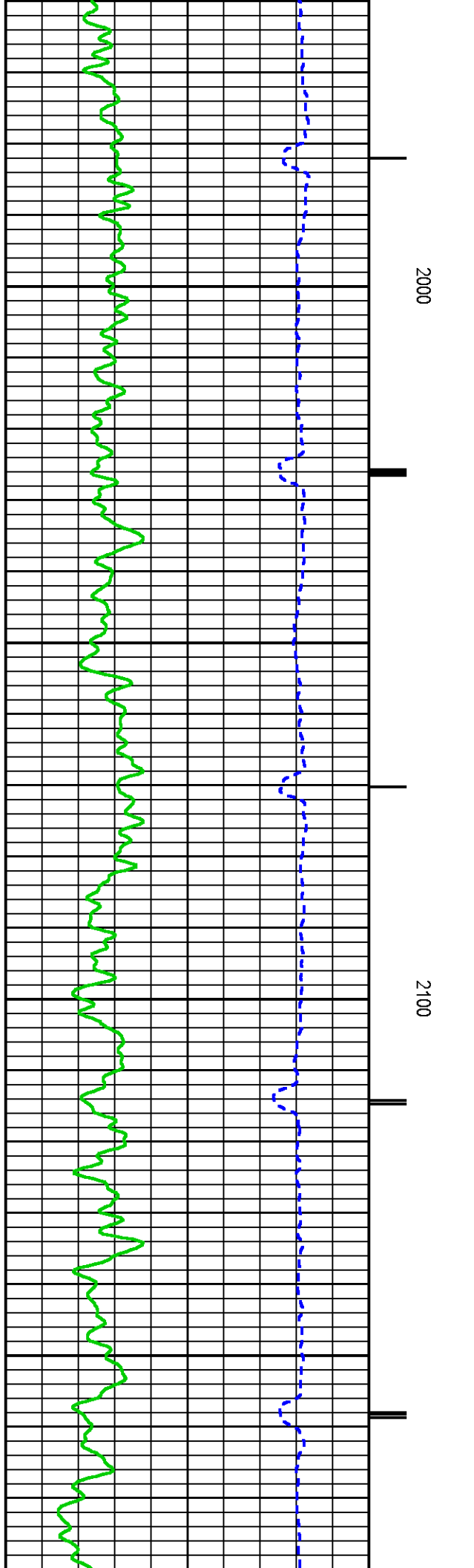
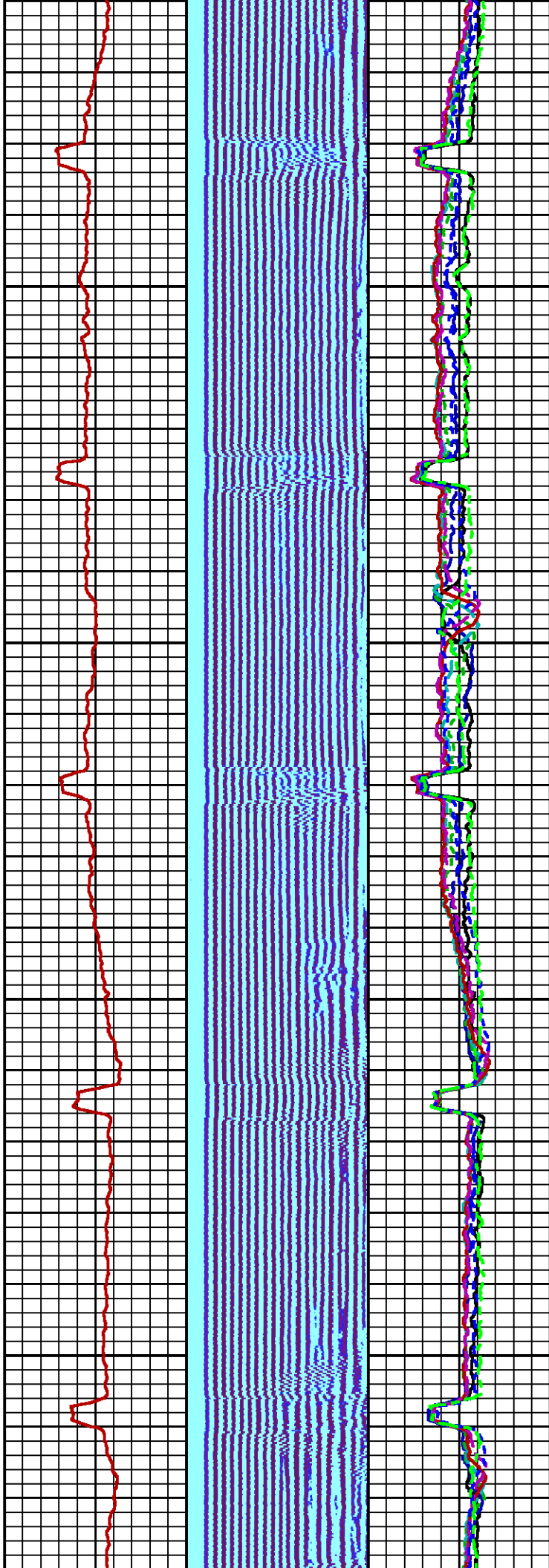
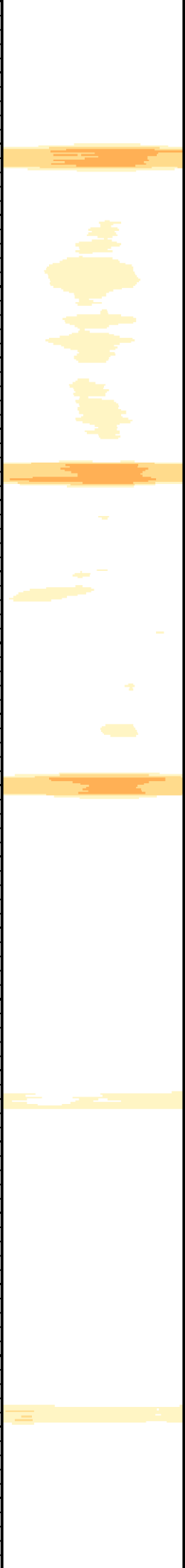


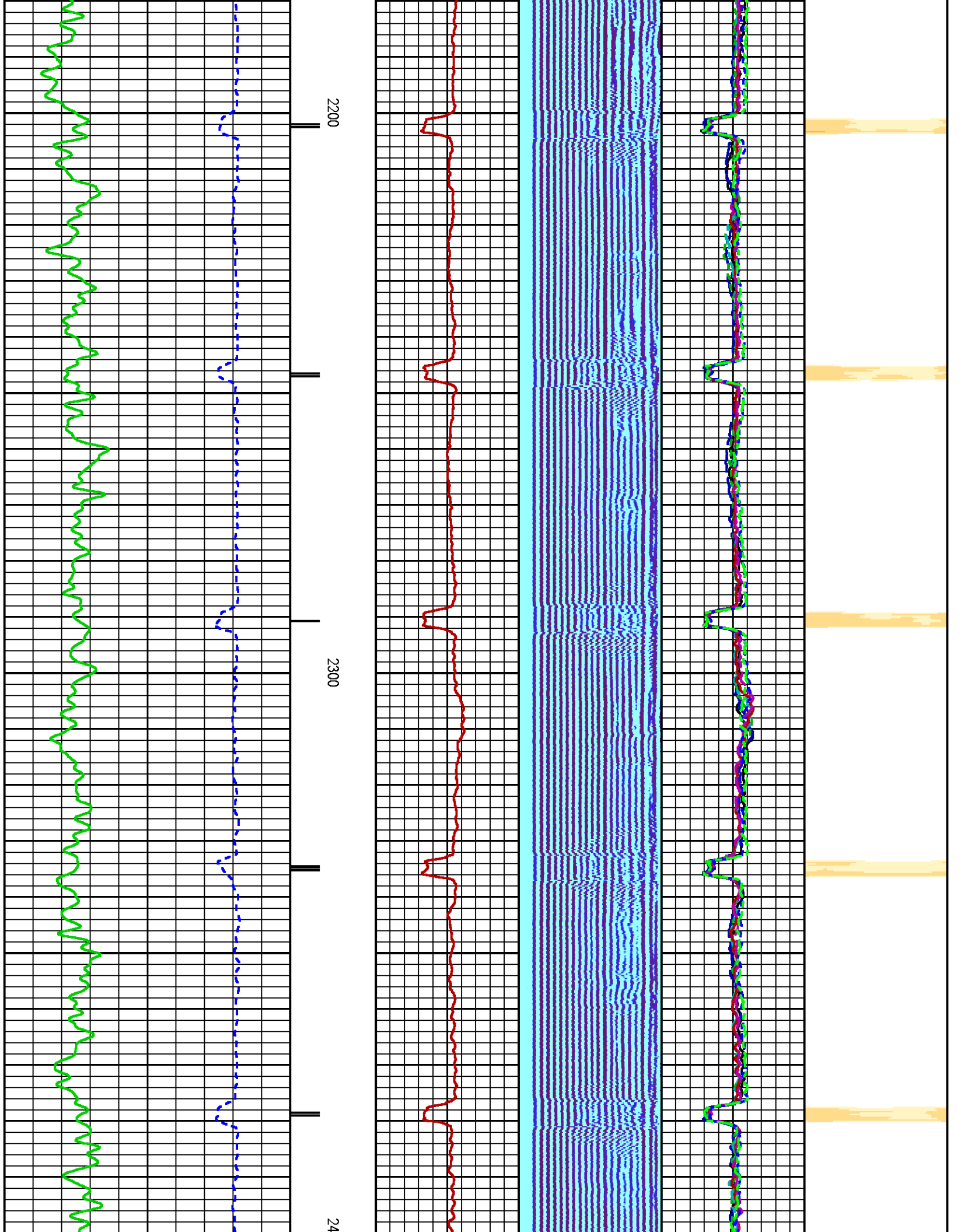




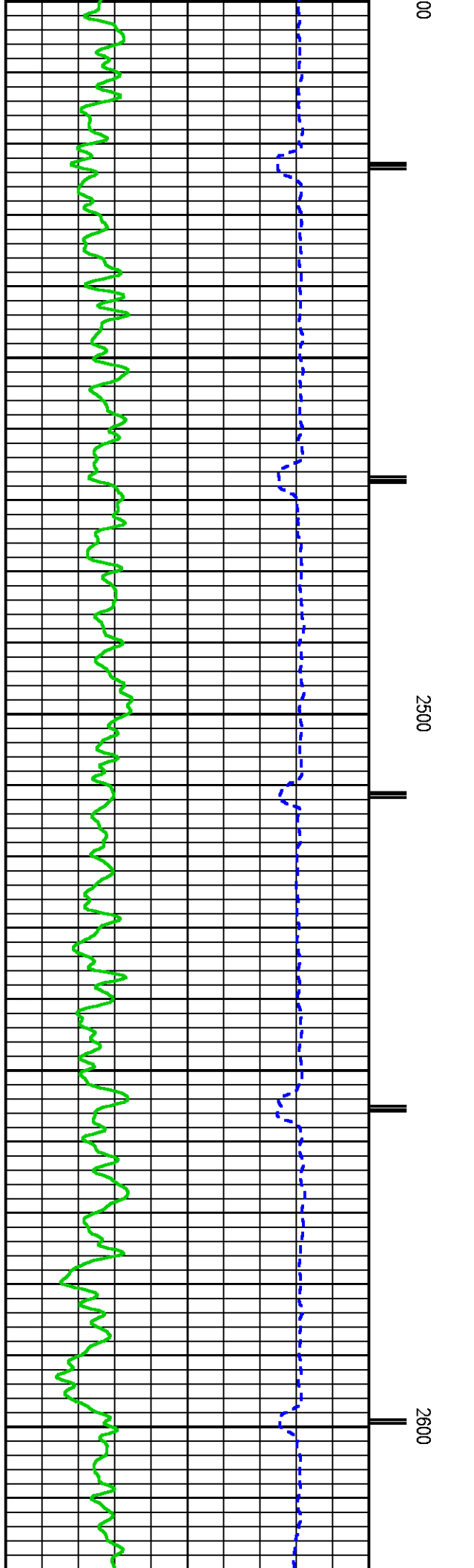
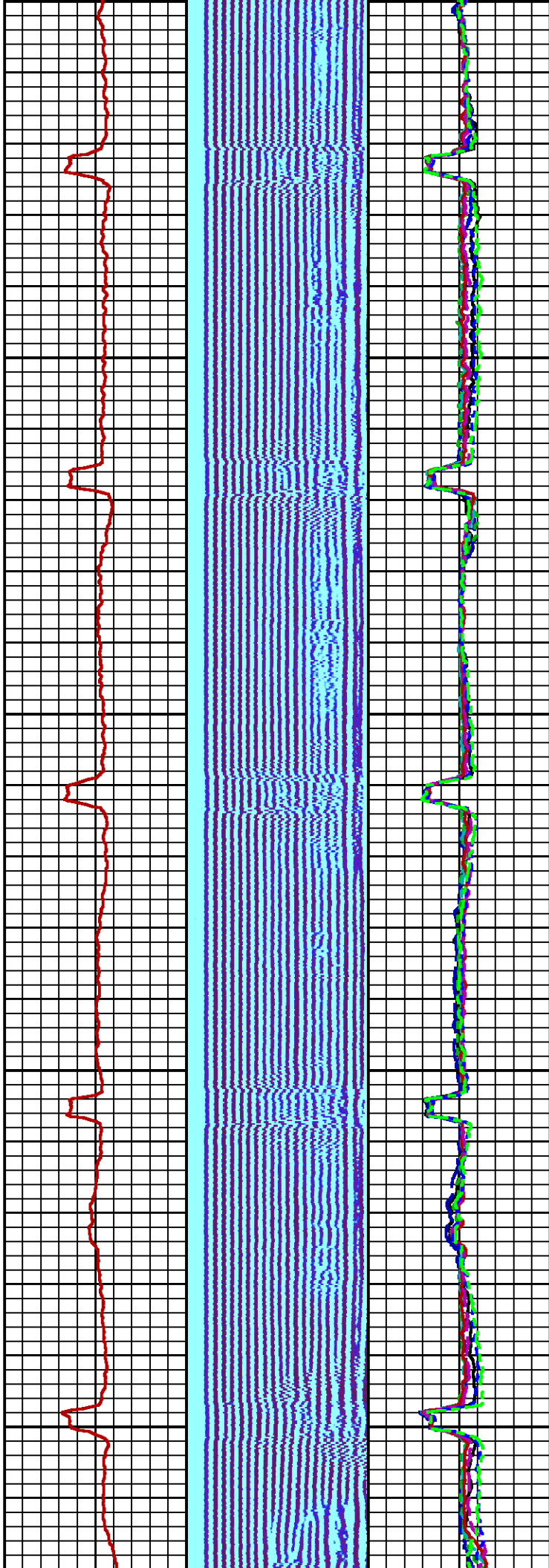


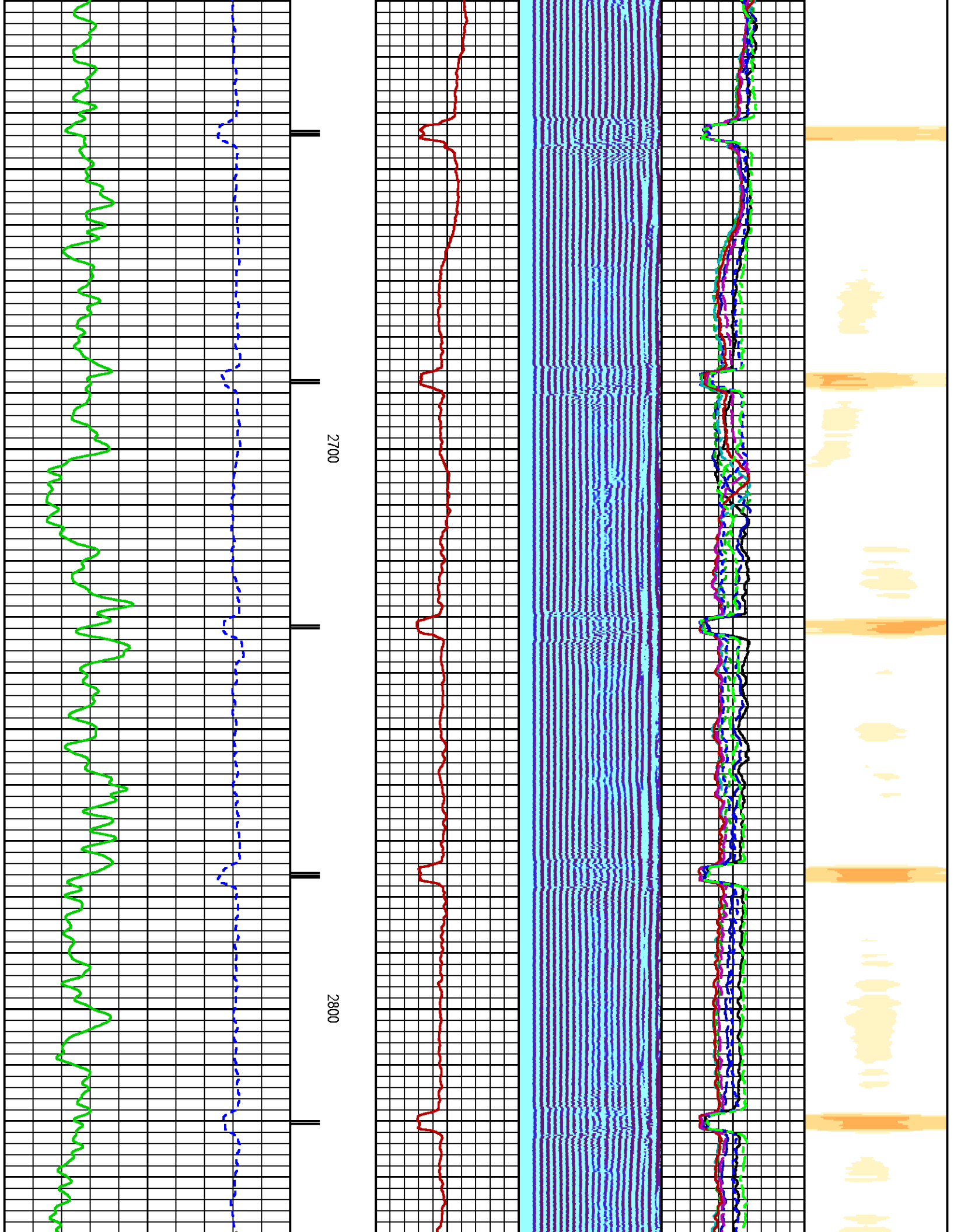


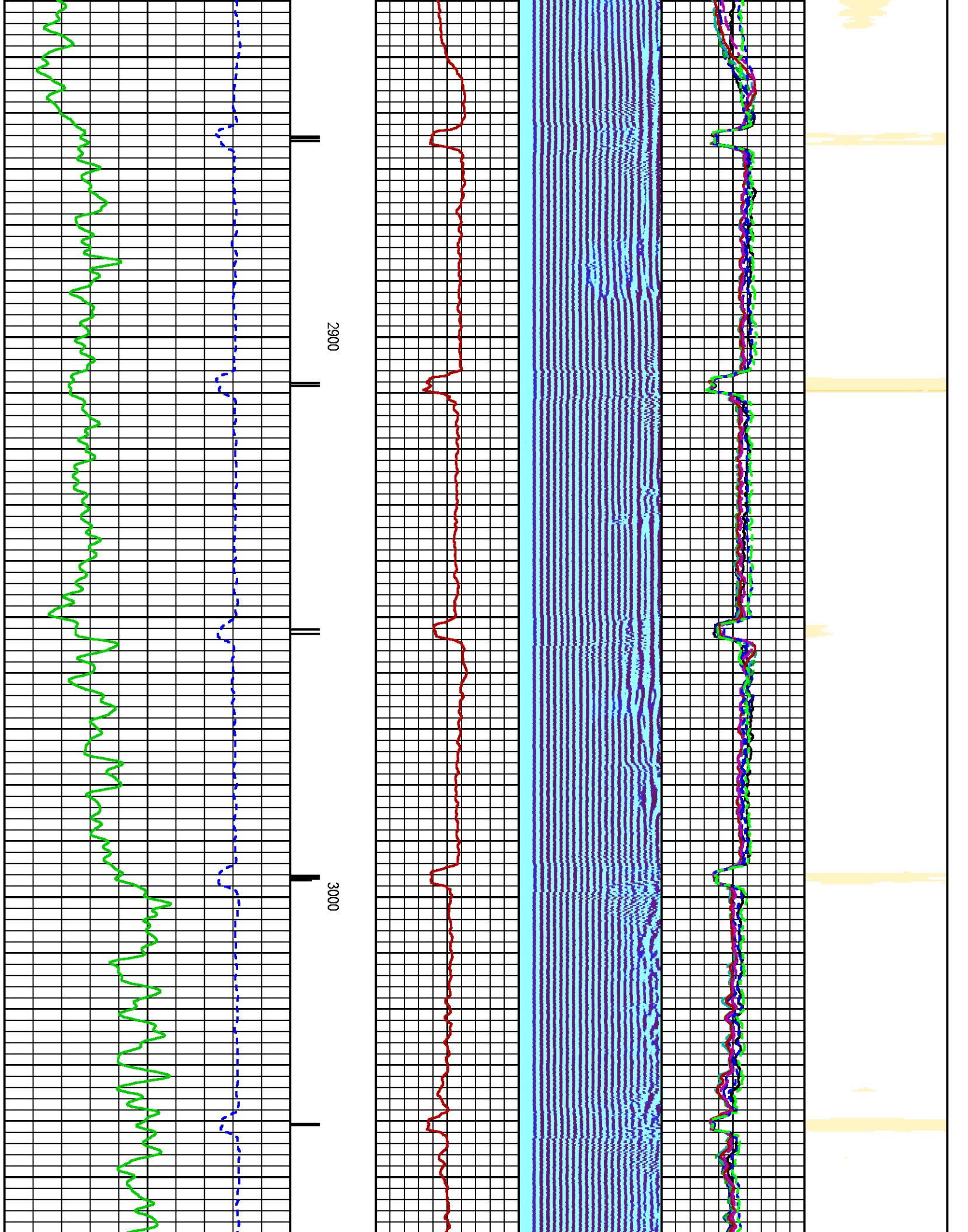


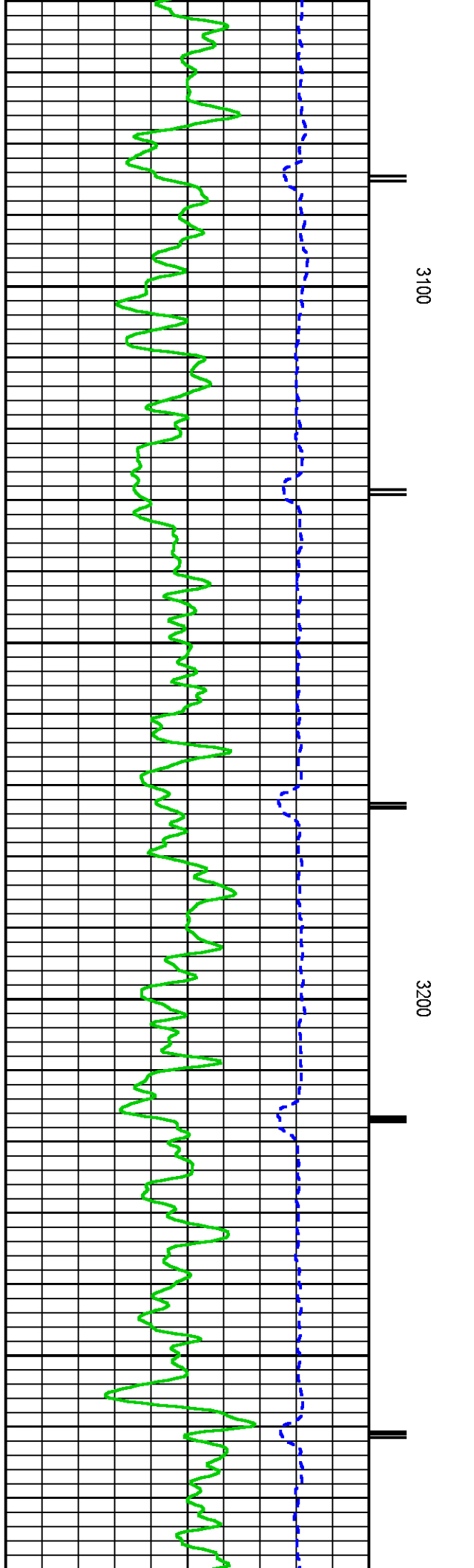
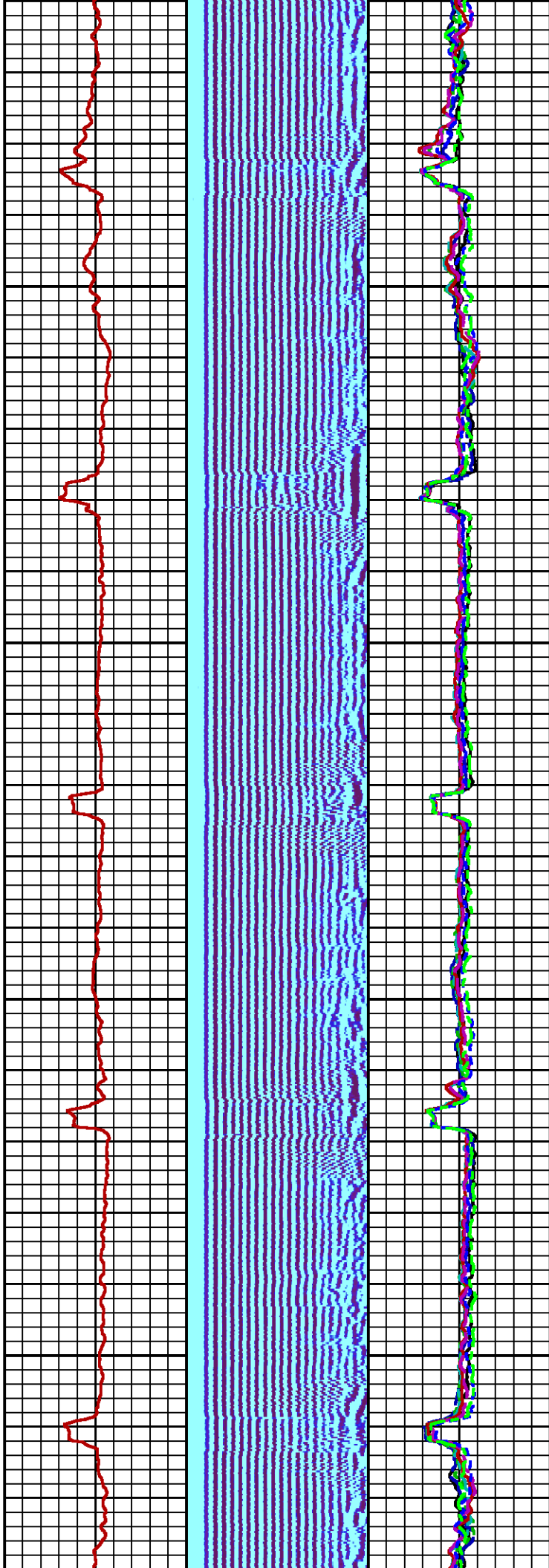
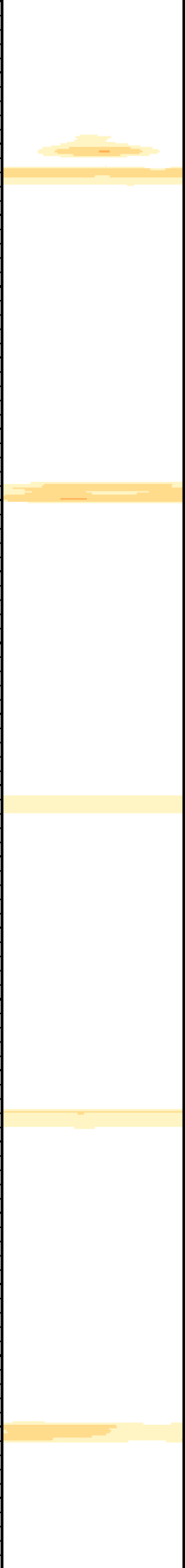




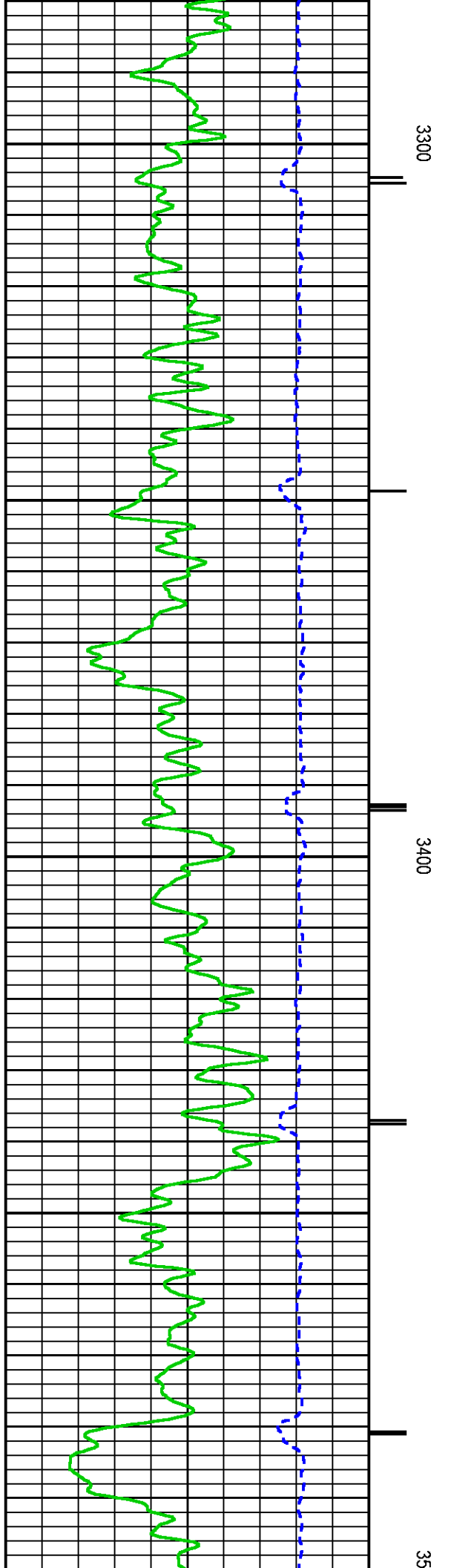
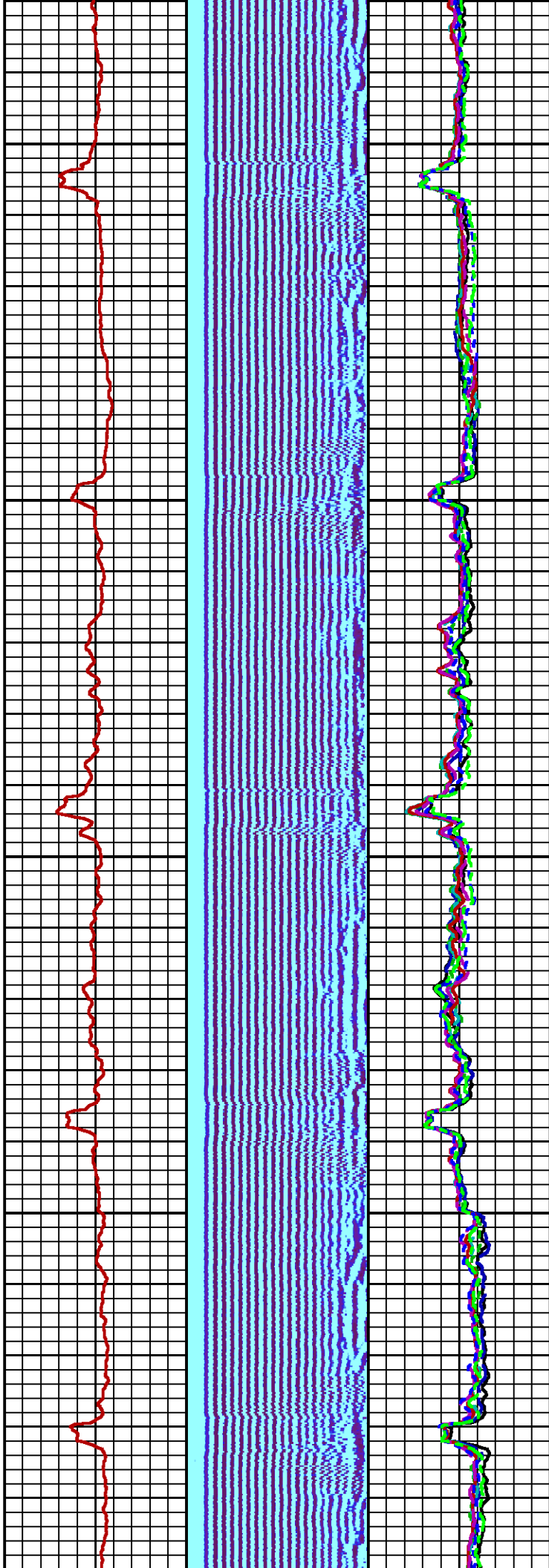
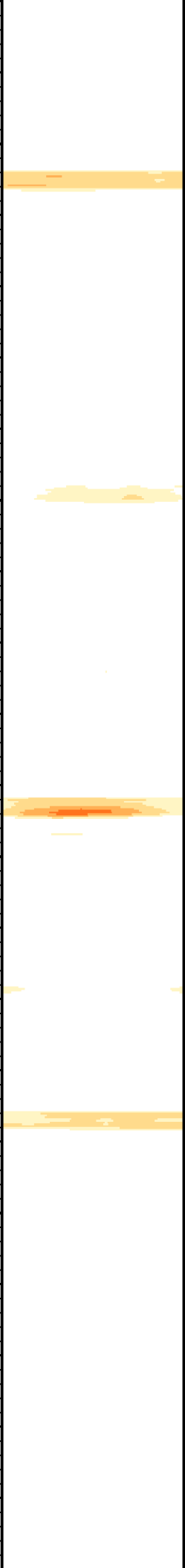


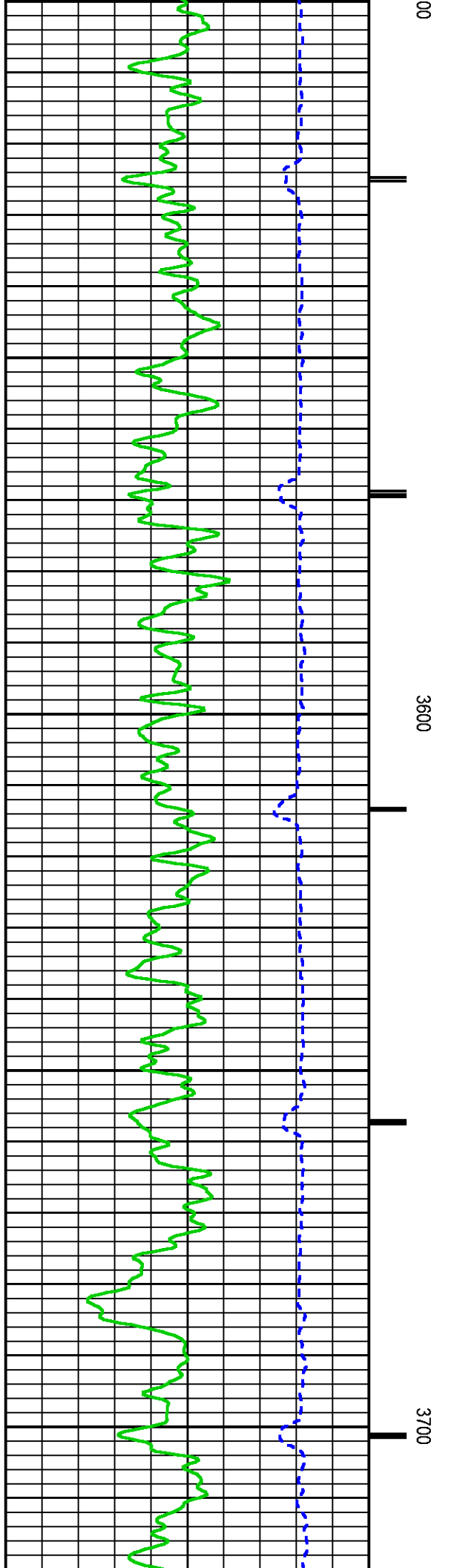
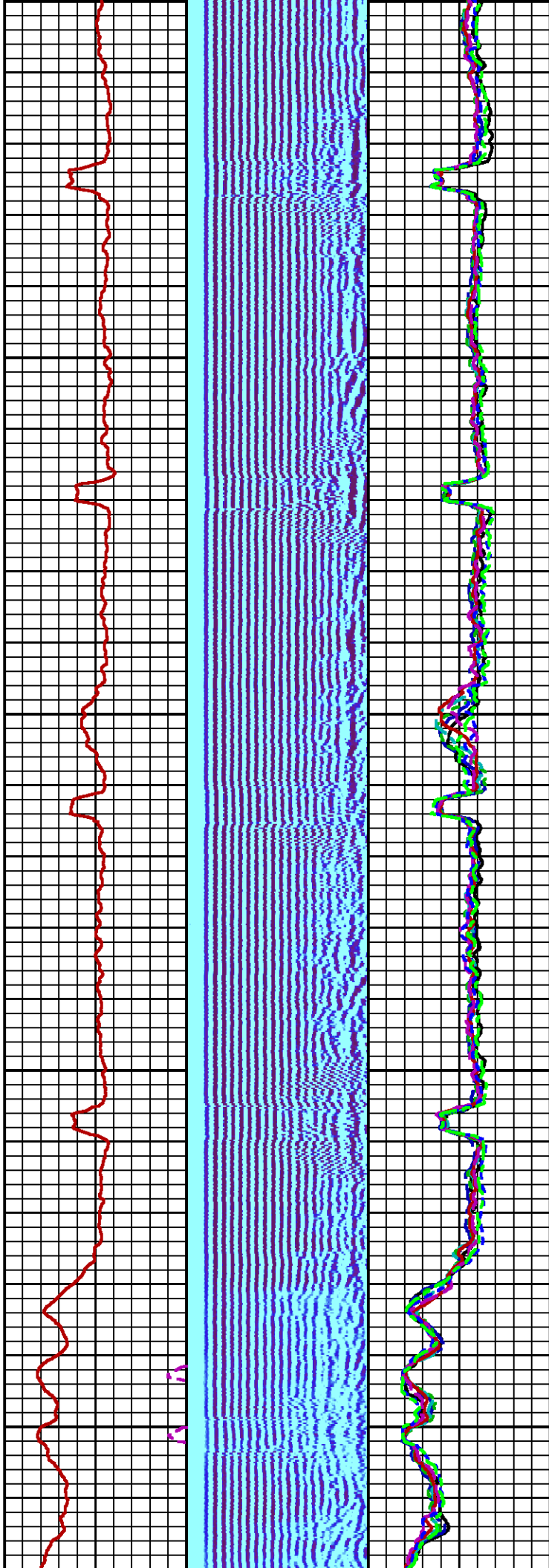


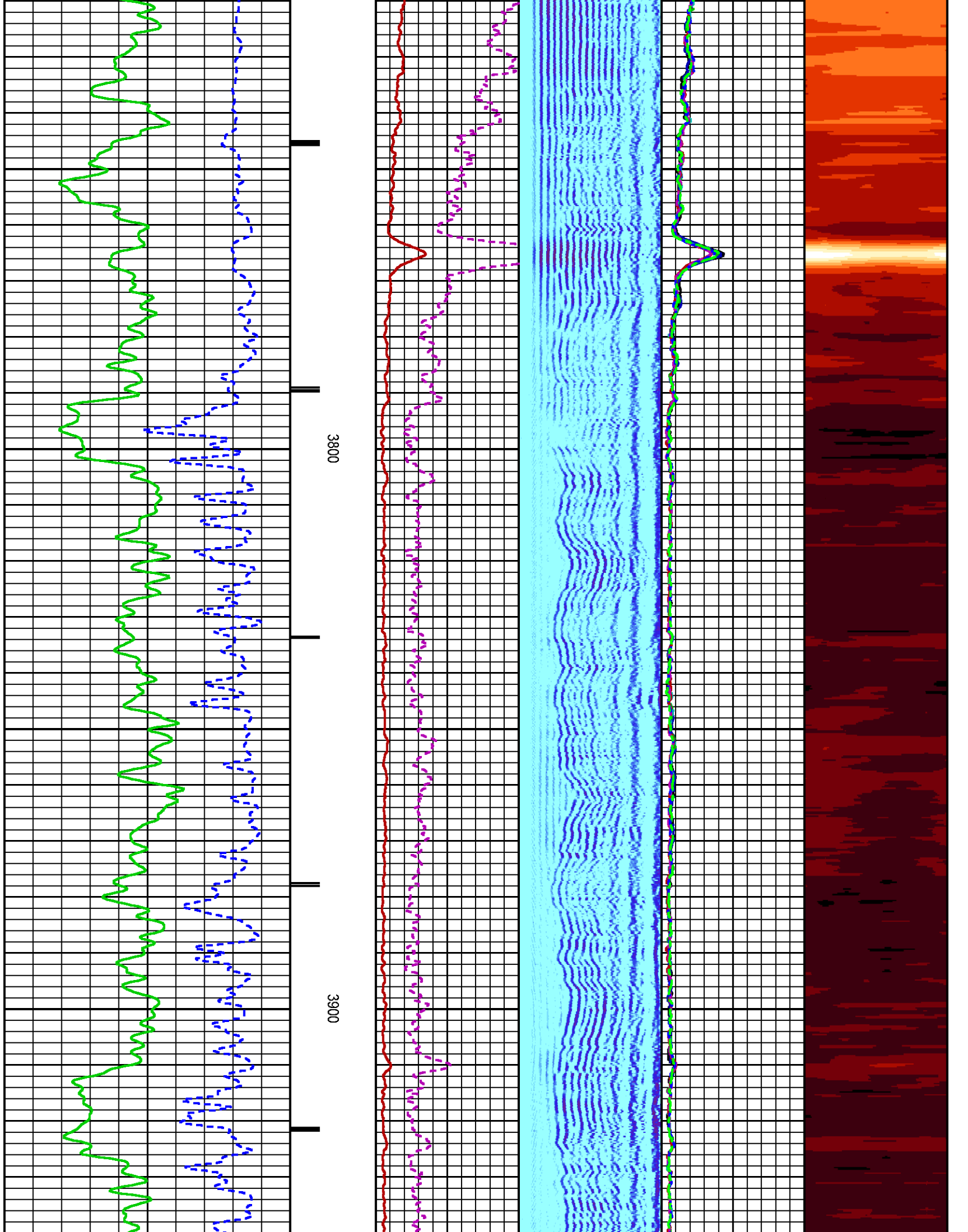


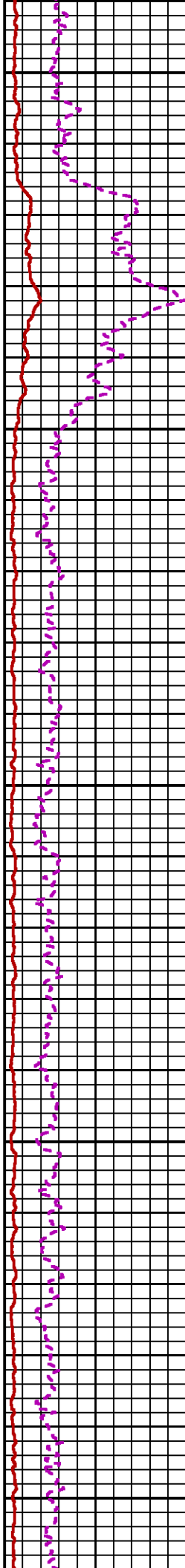
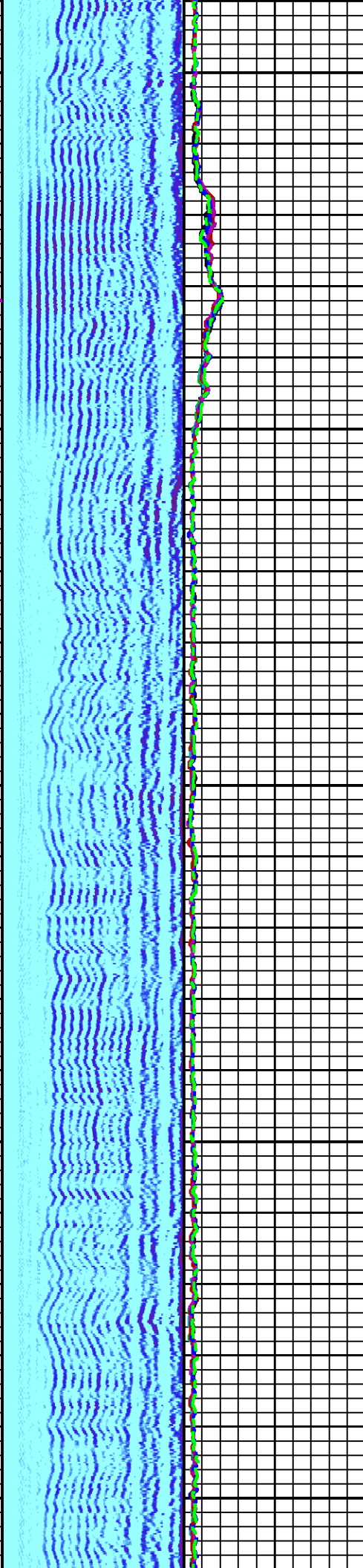






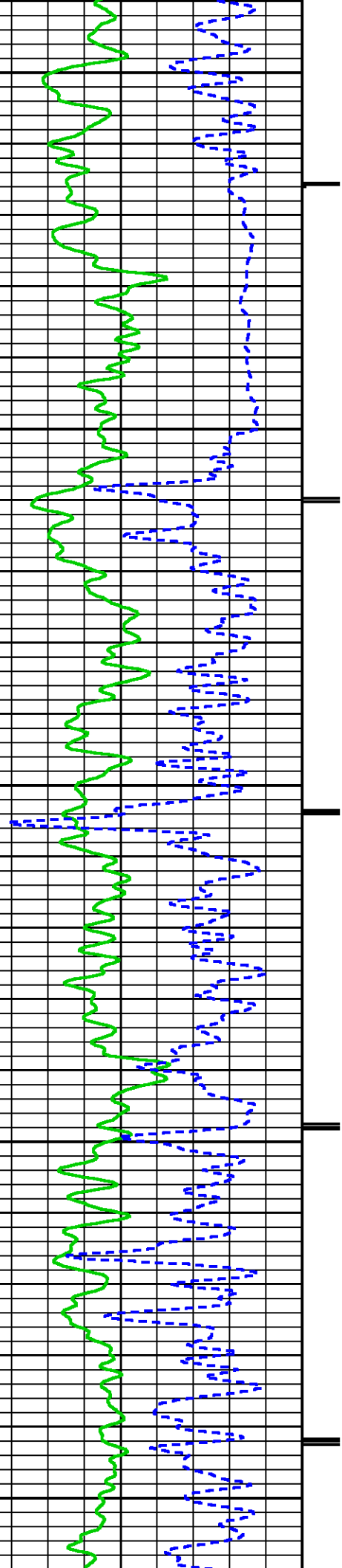




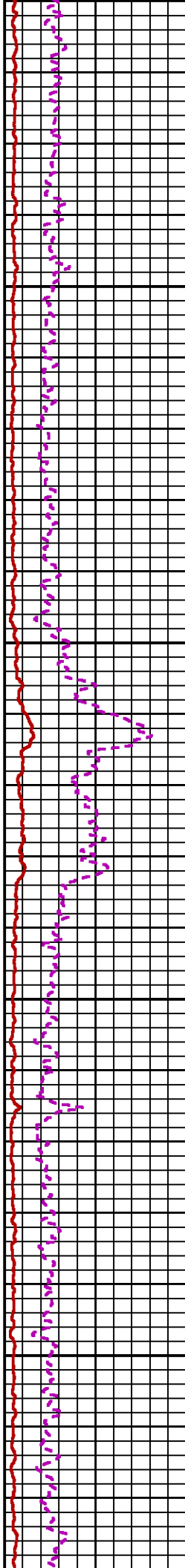
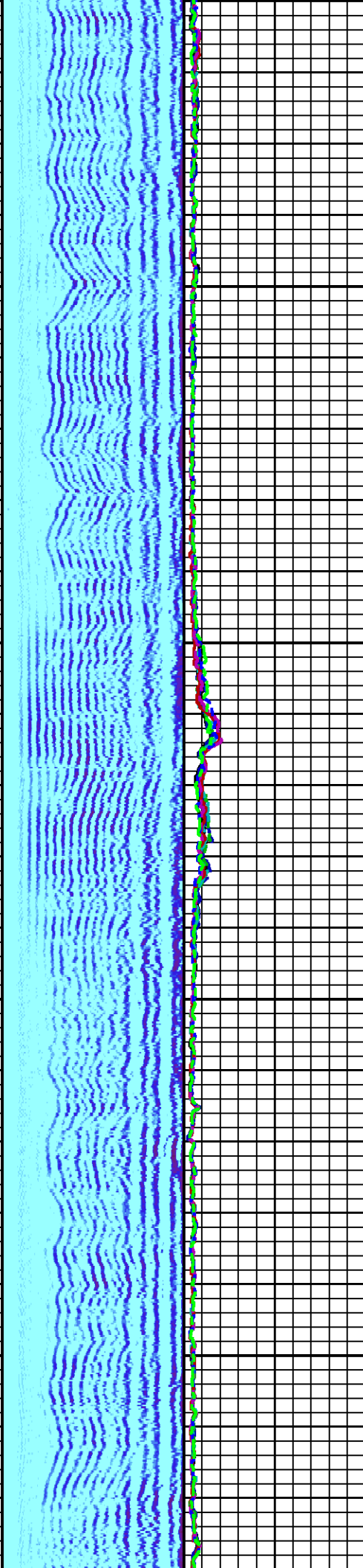
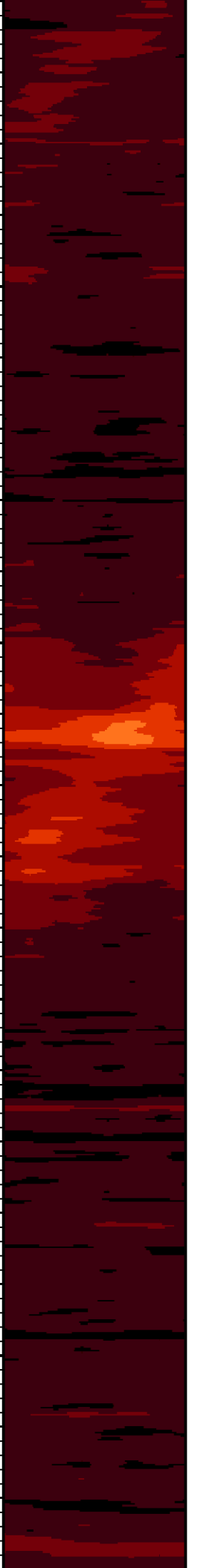


4000

4100

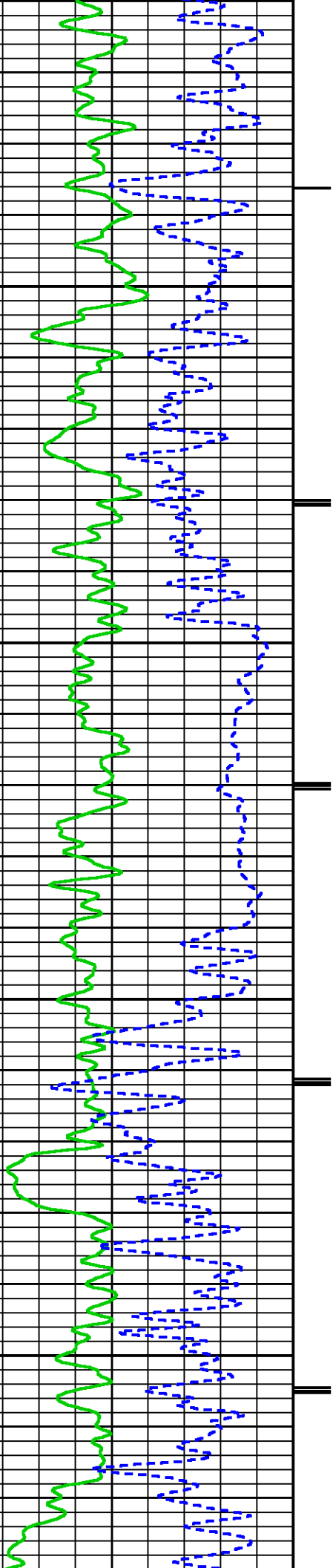


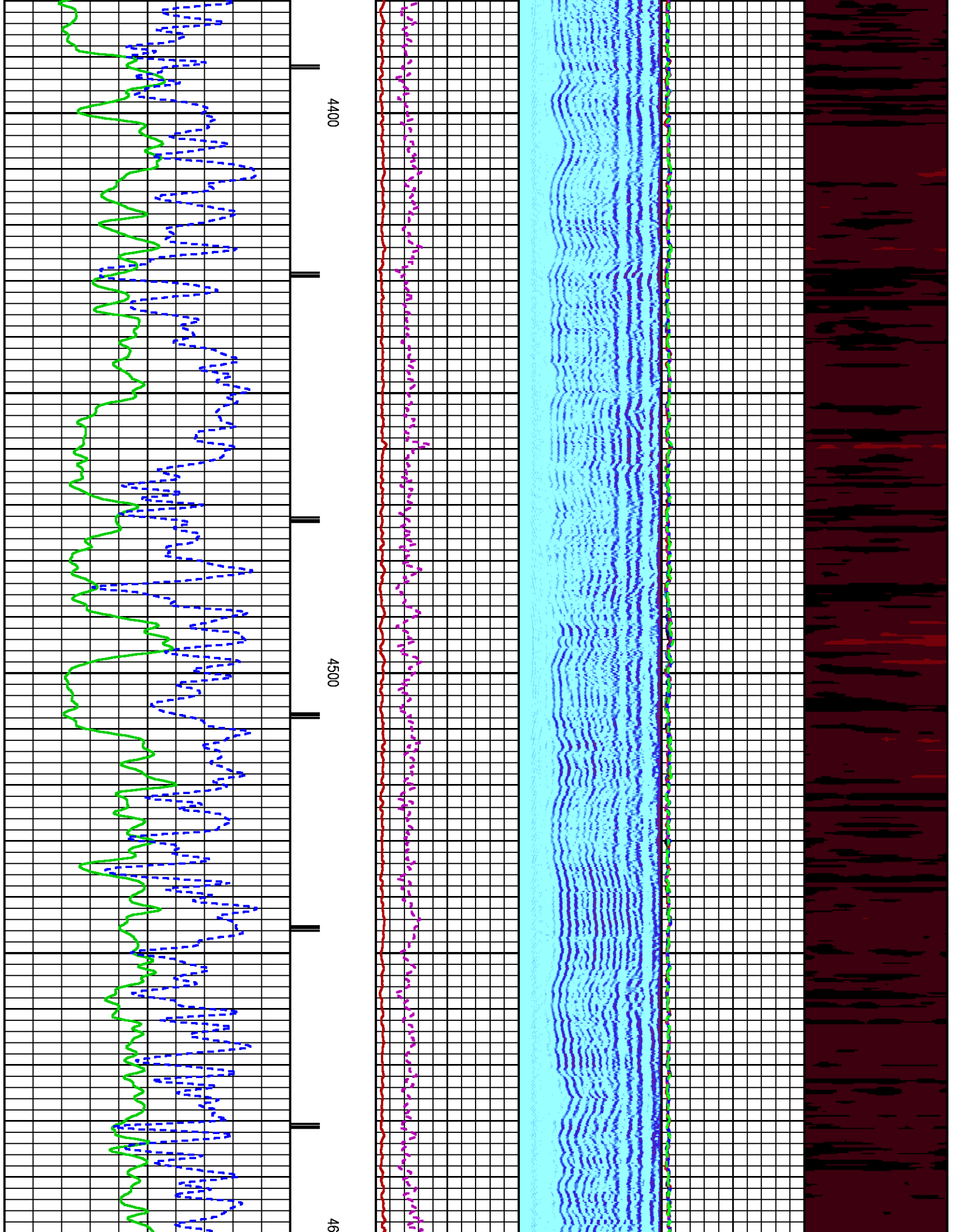


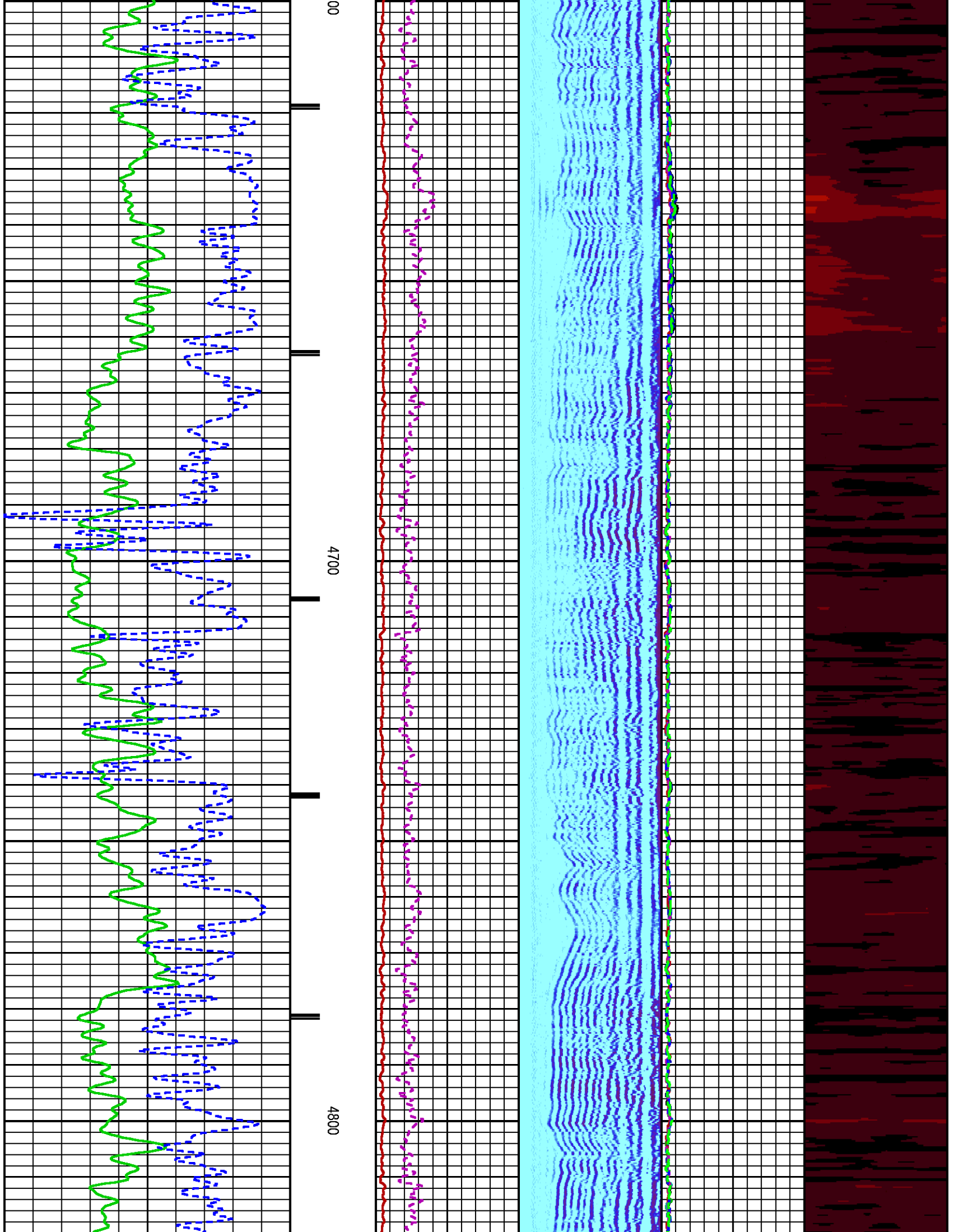


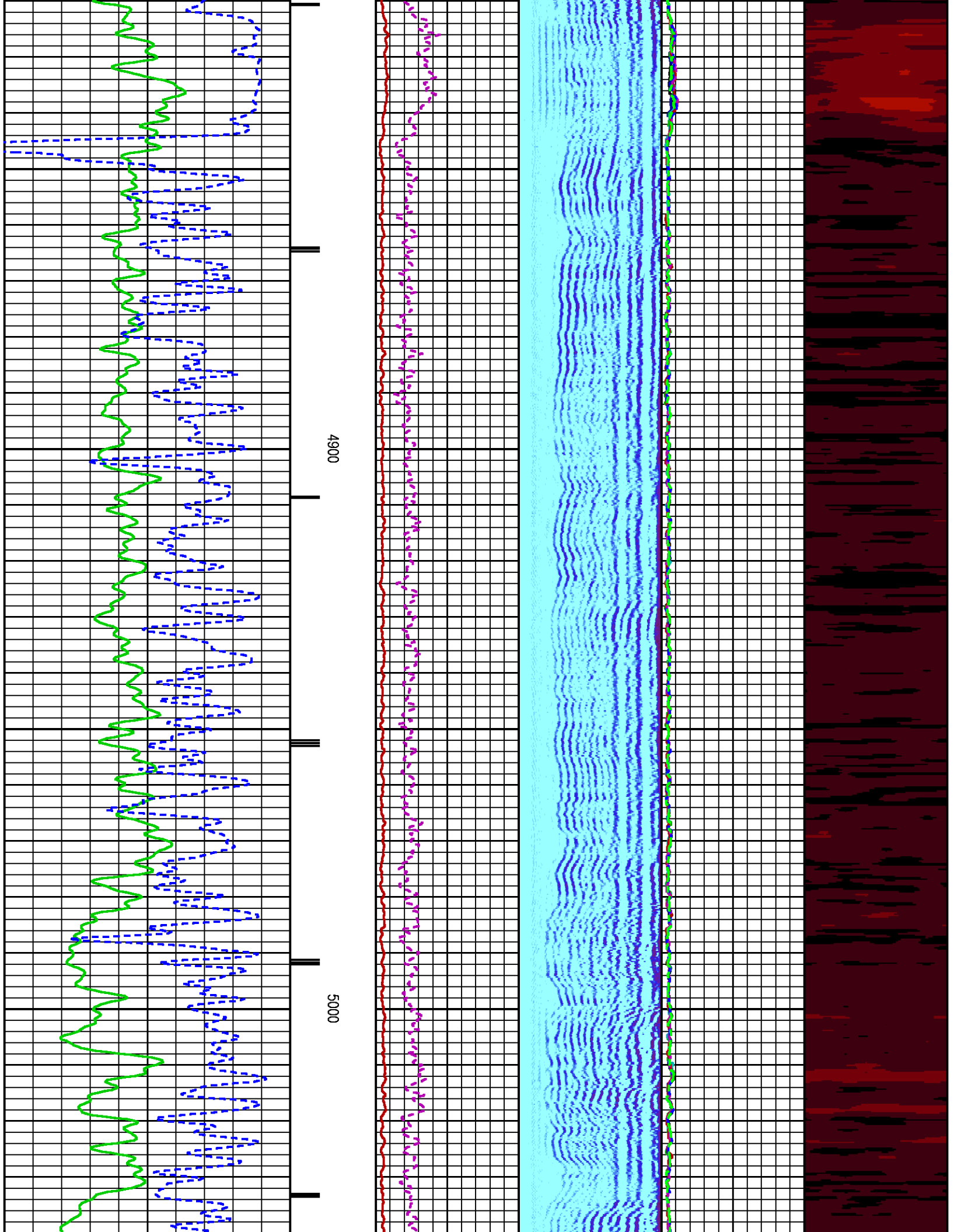
4200

4300

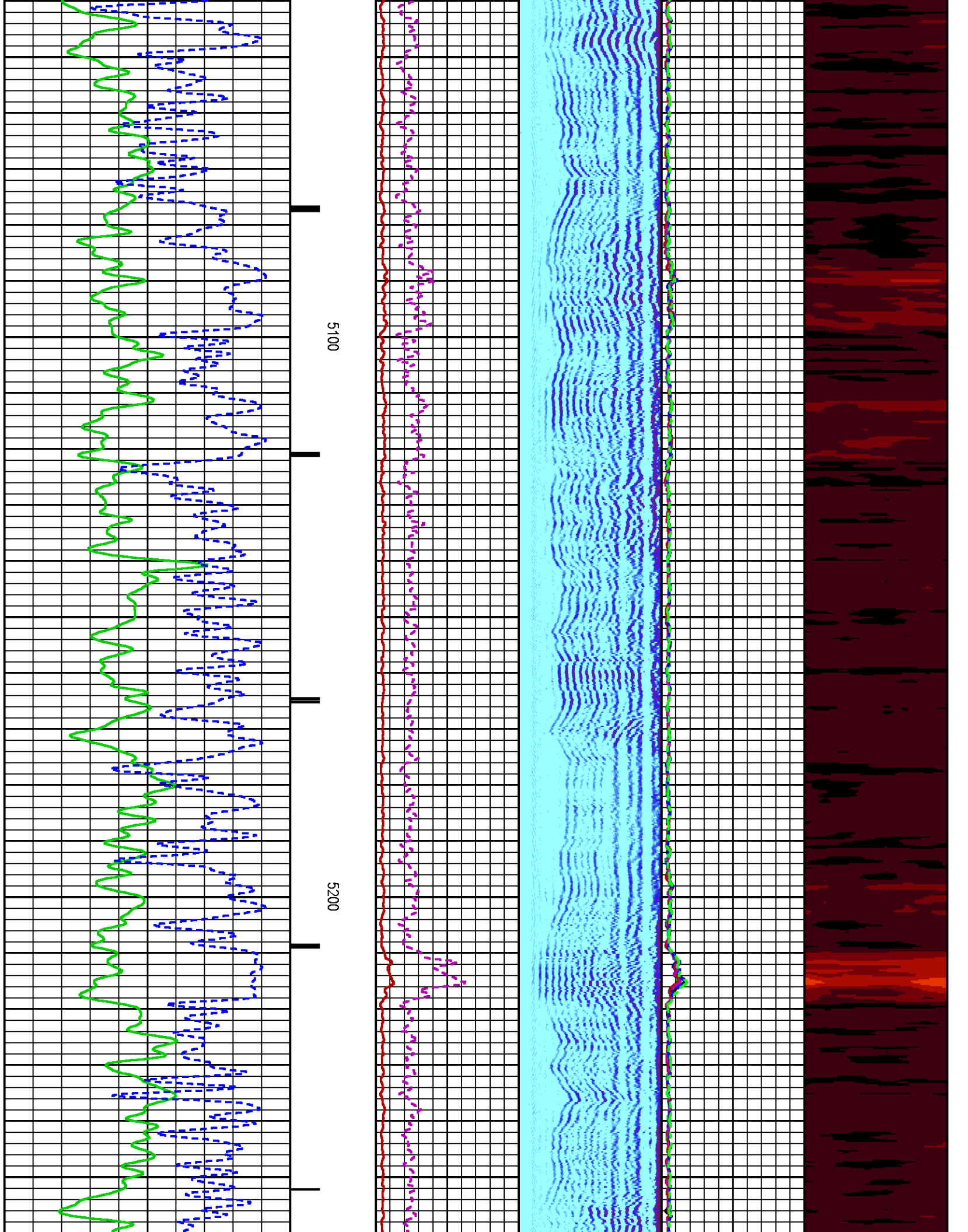


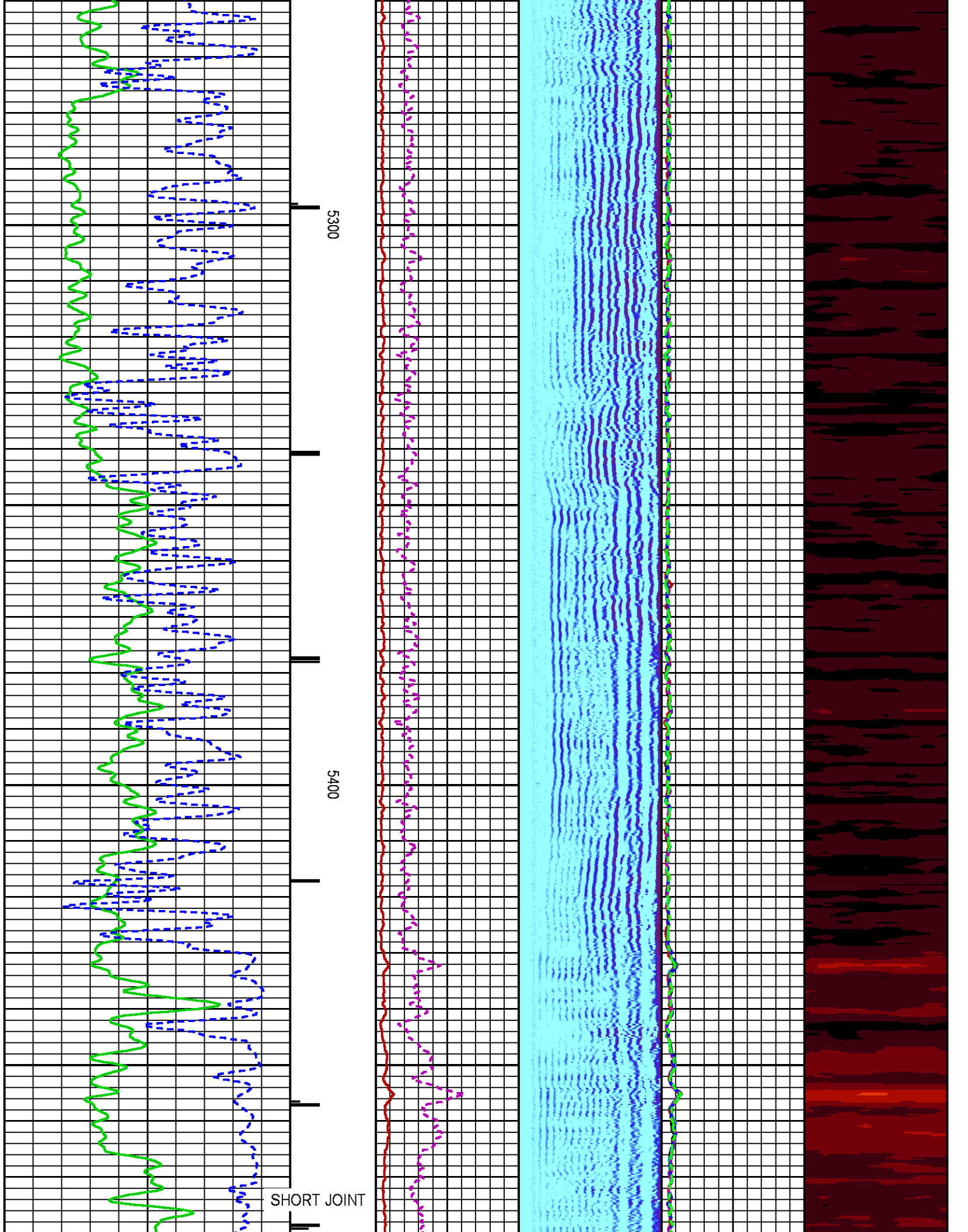


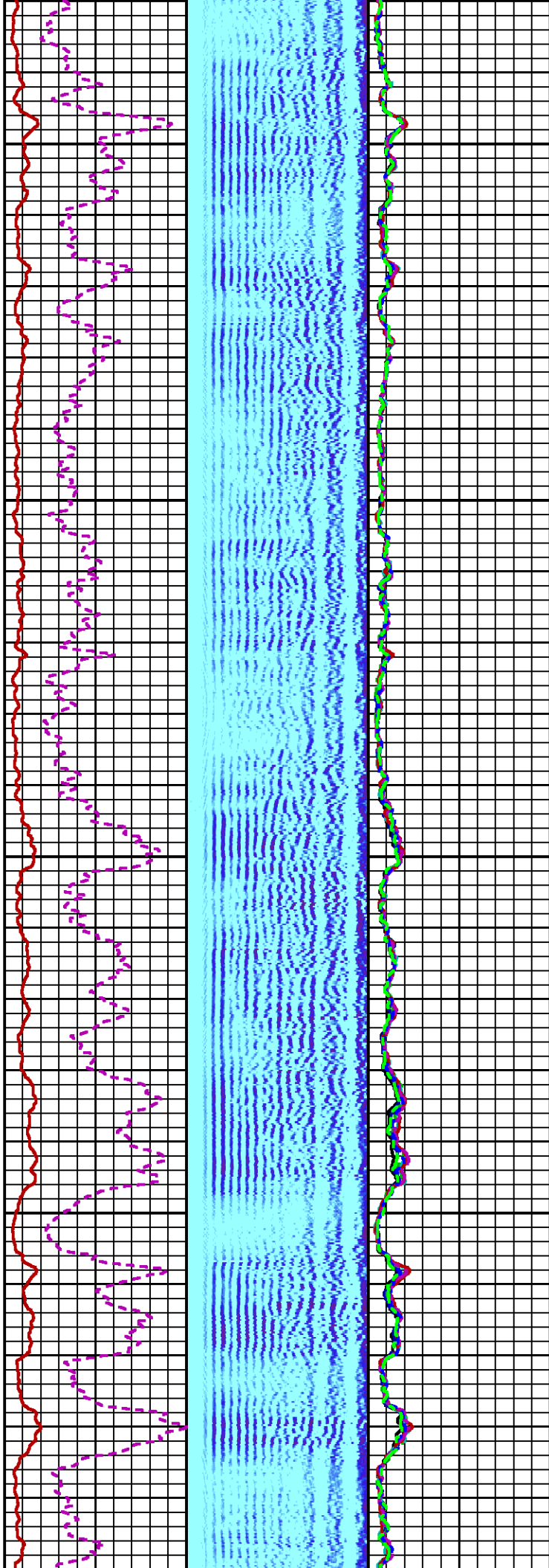








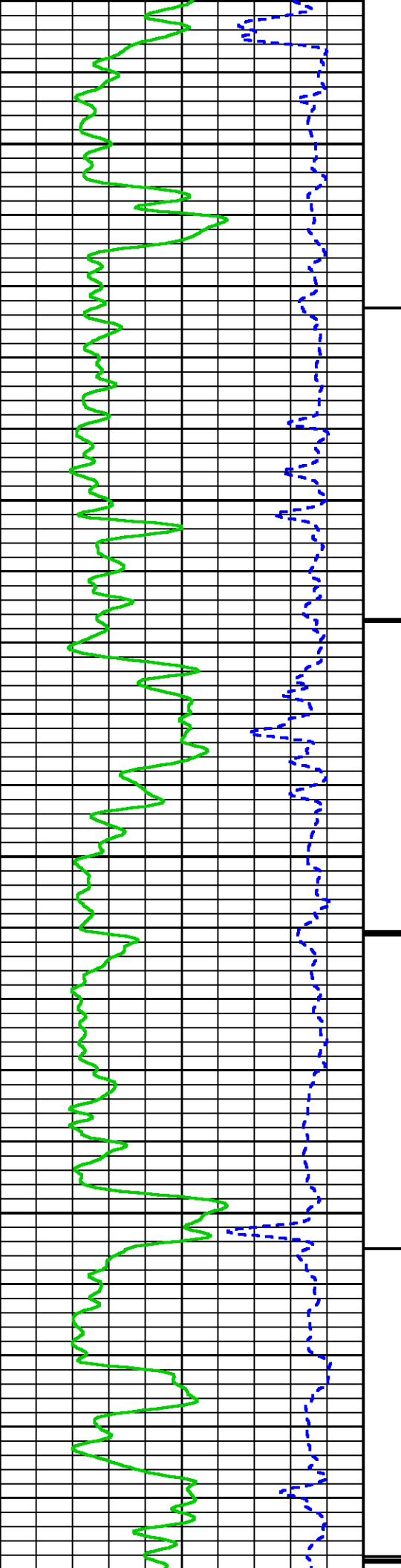


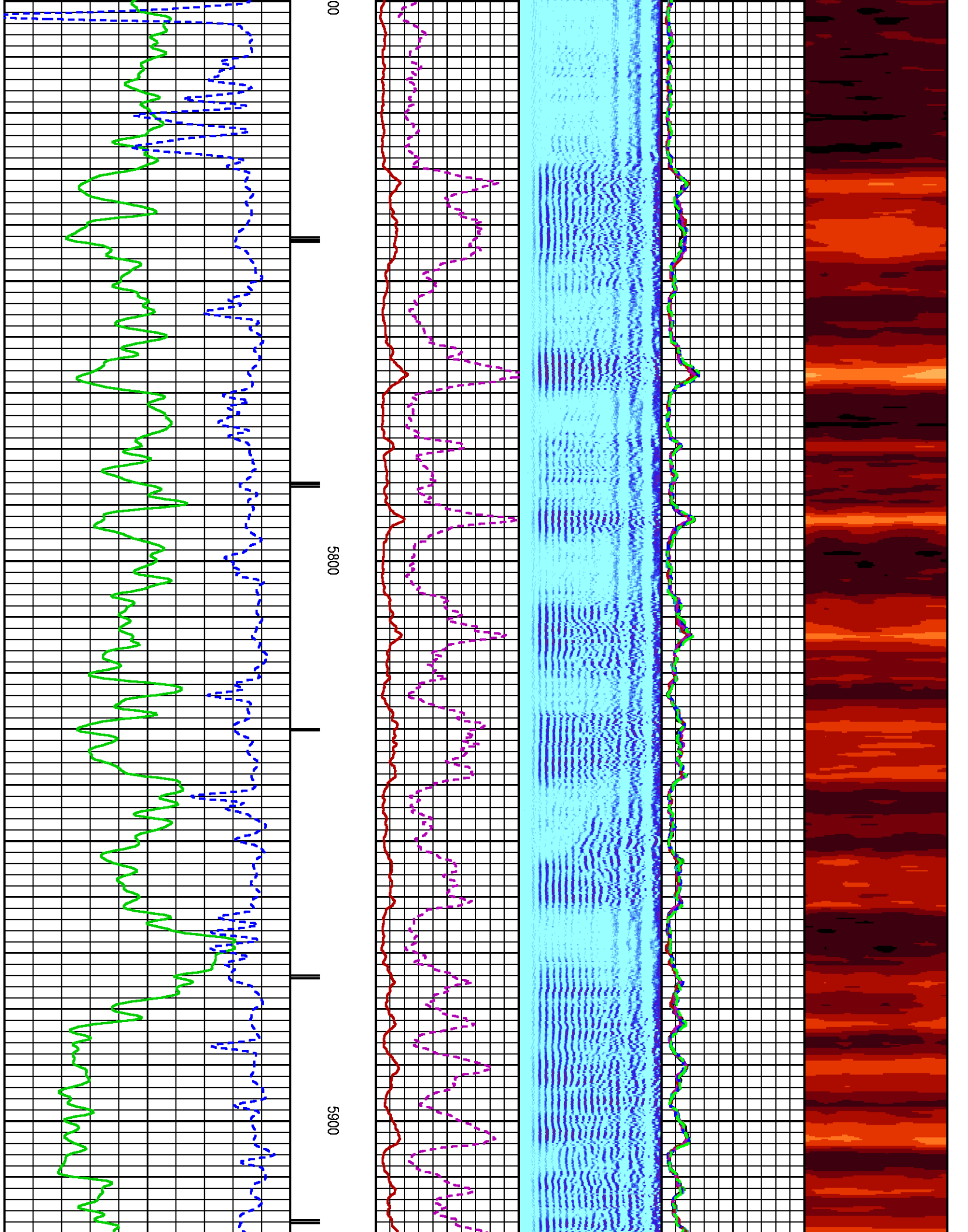


5500

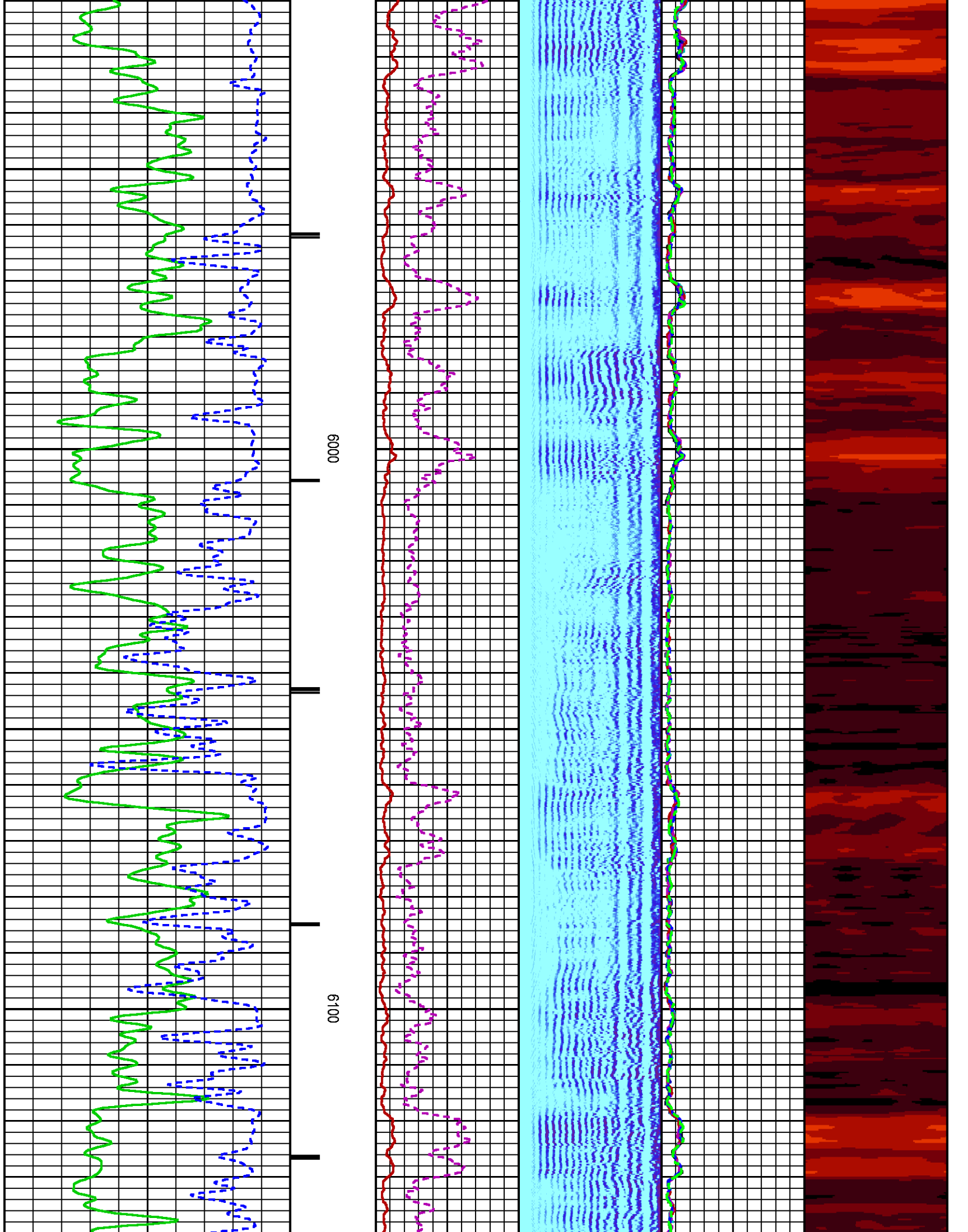
5600

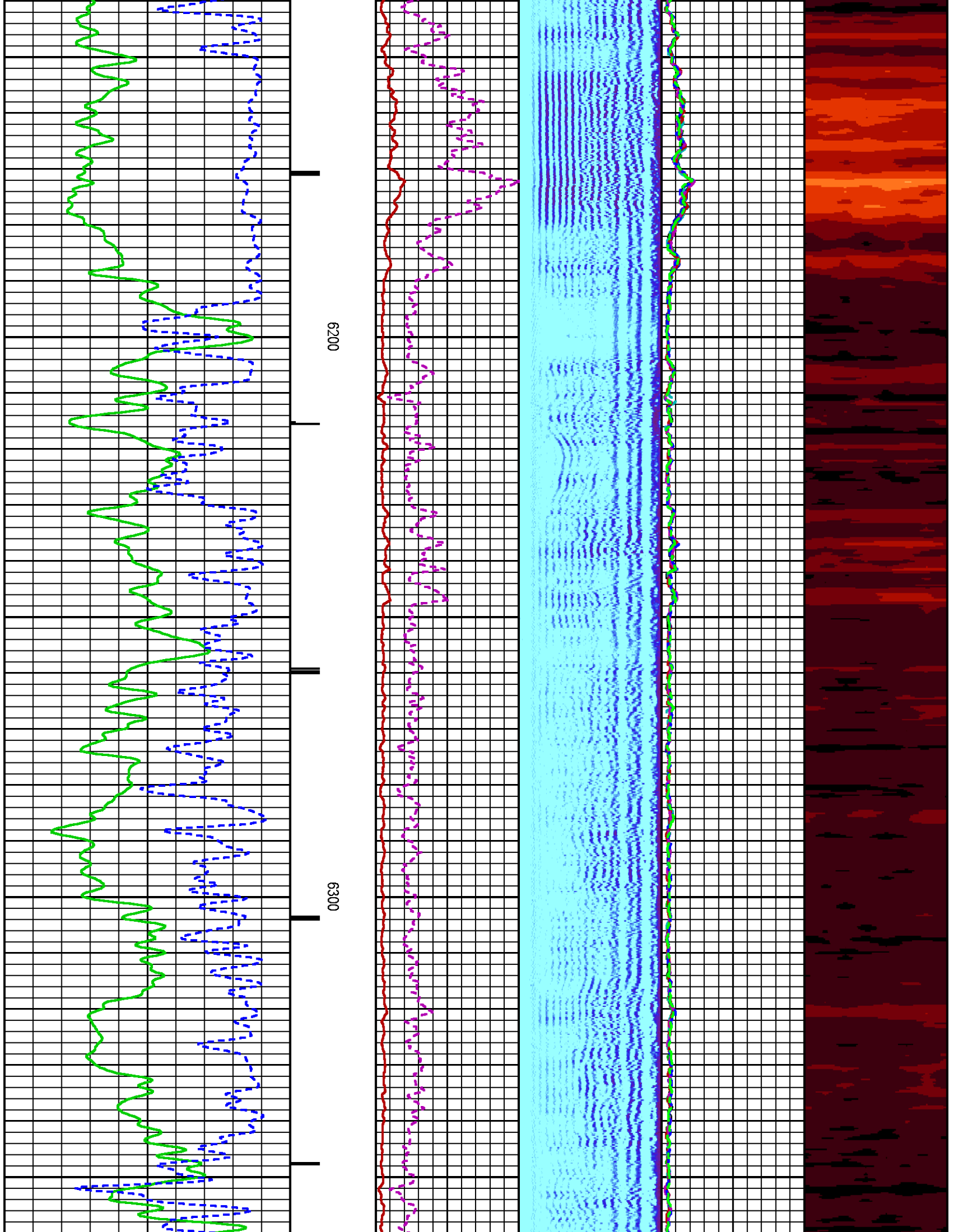
57

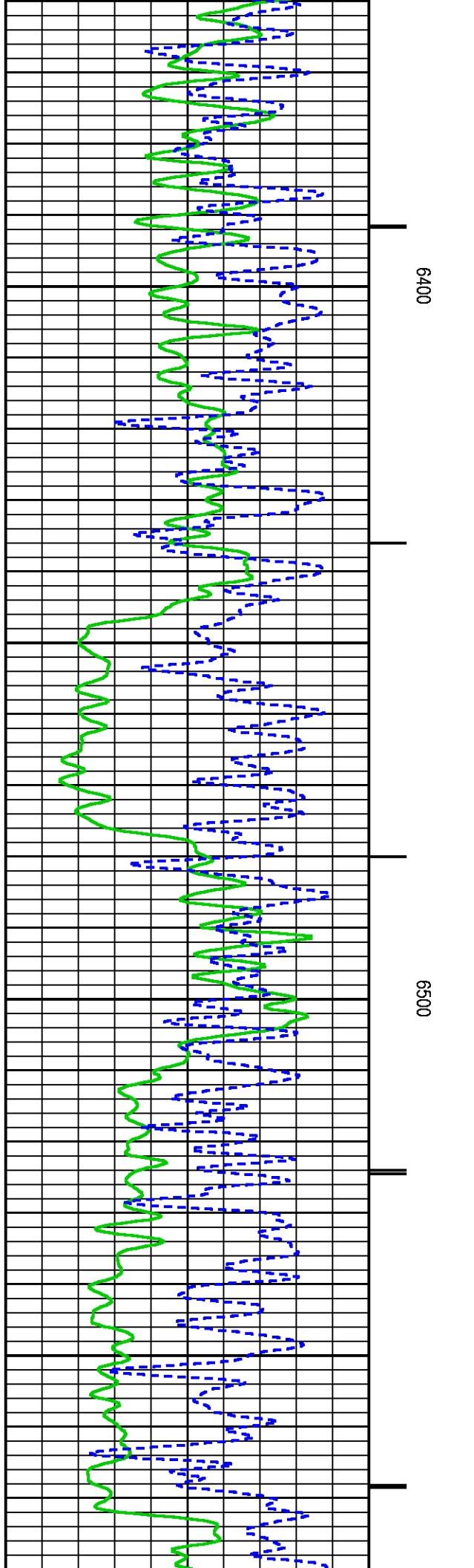
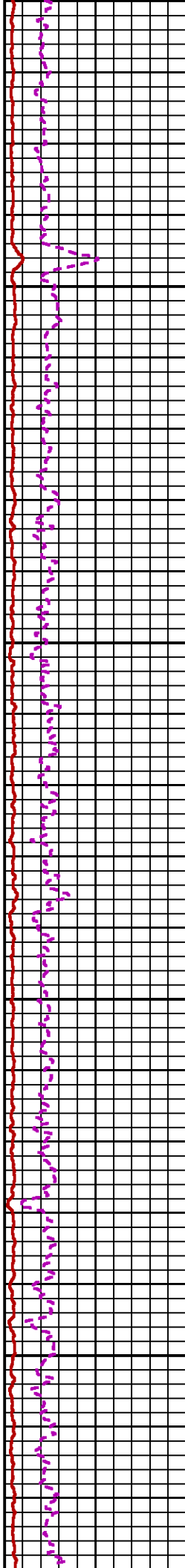
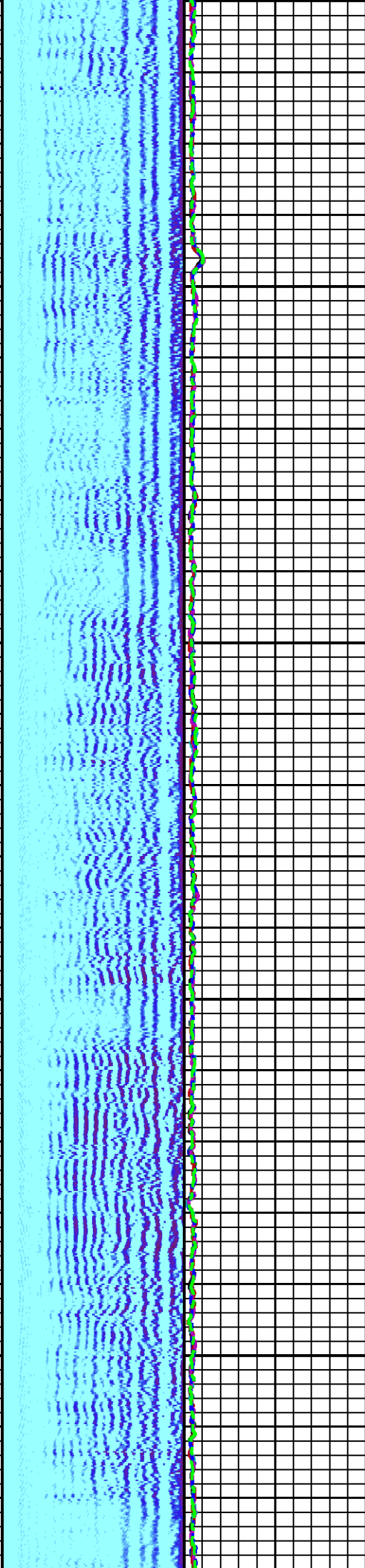


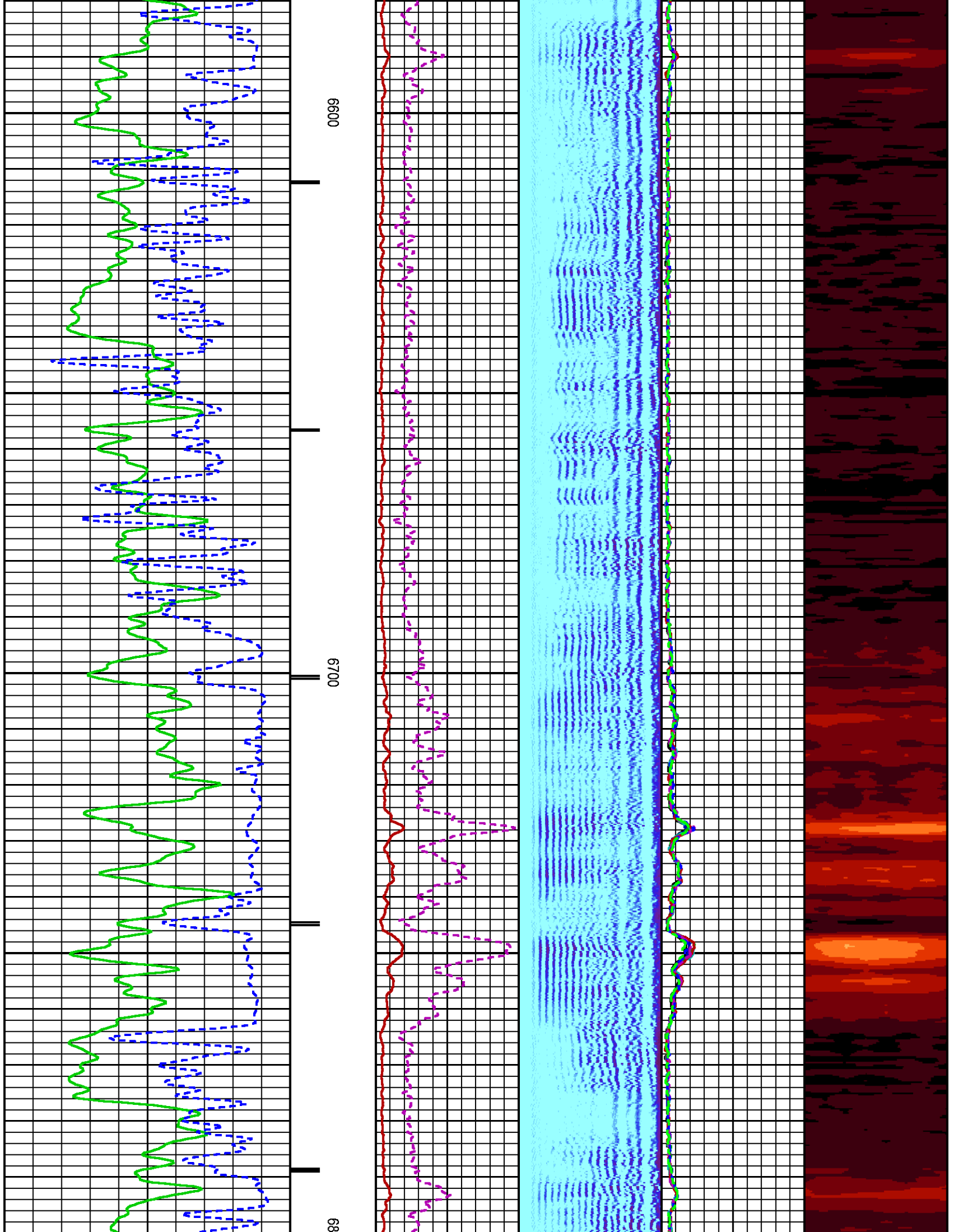




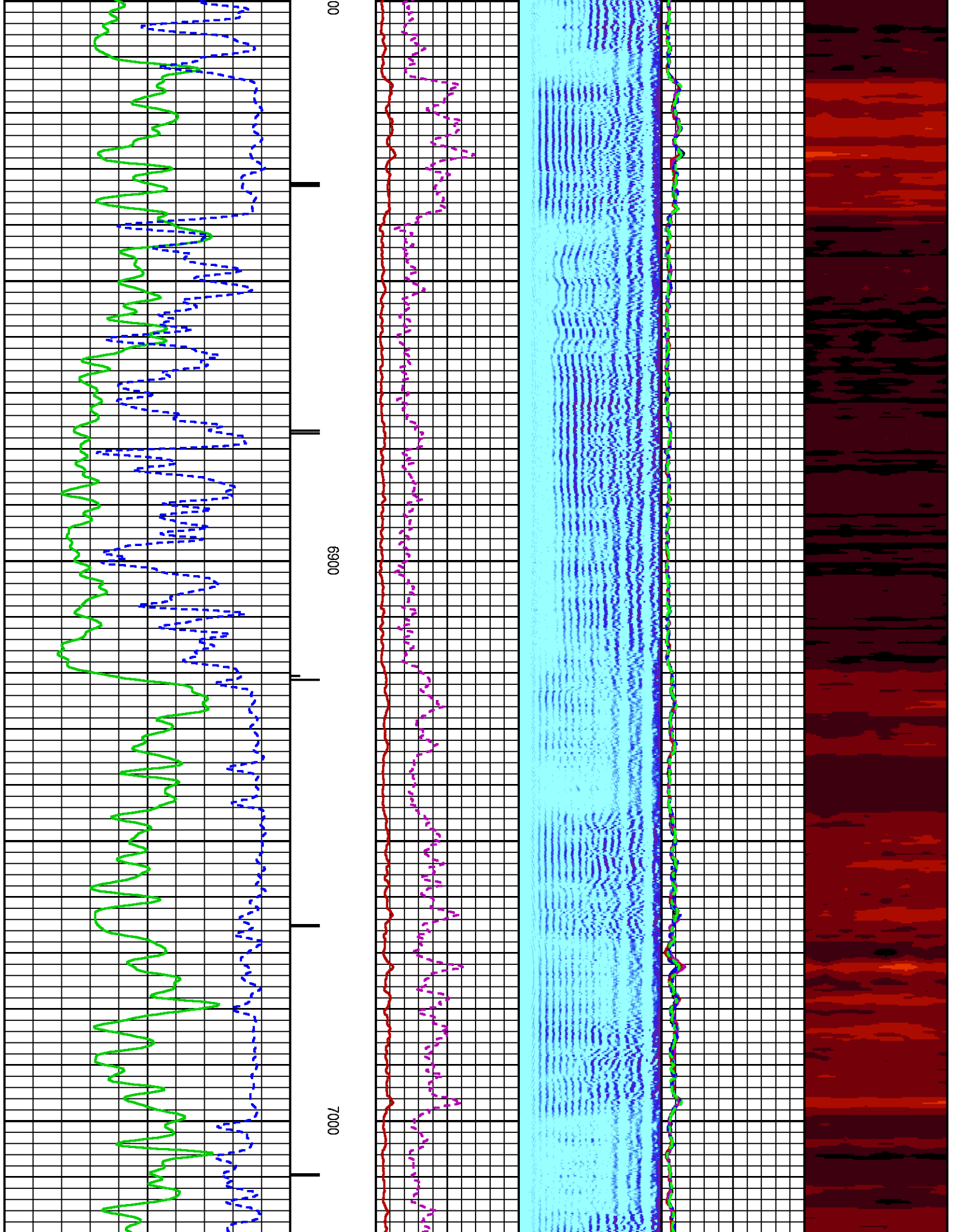


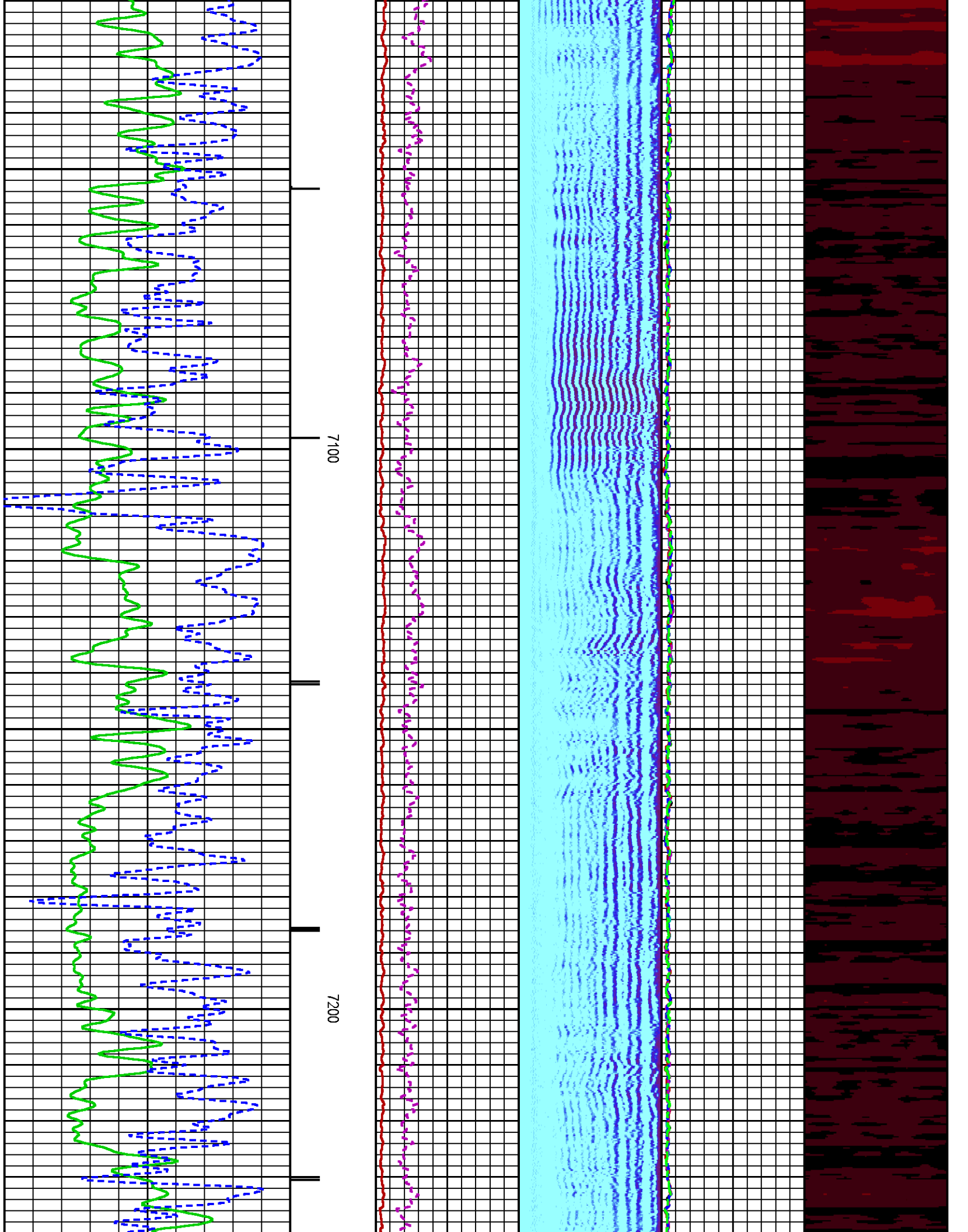


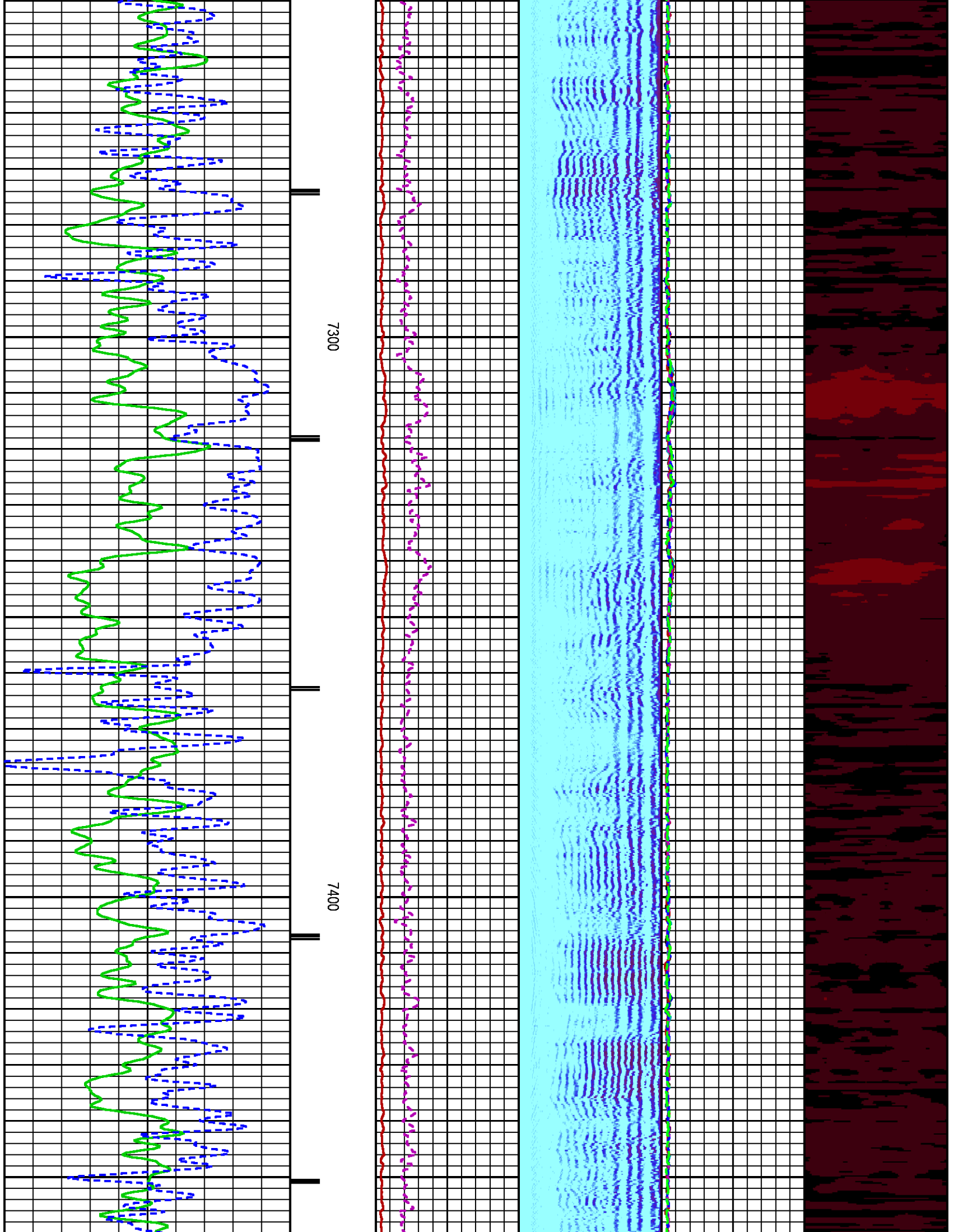


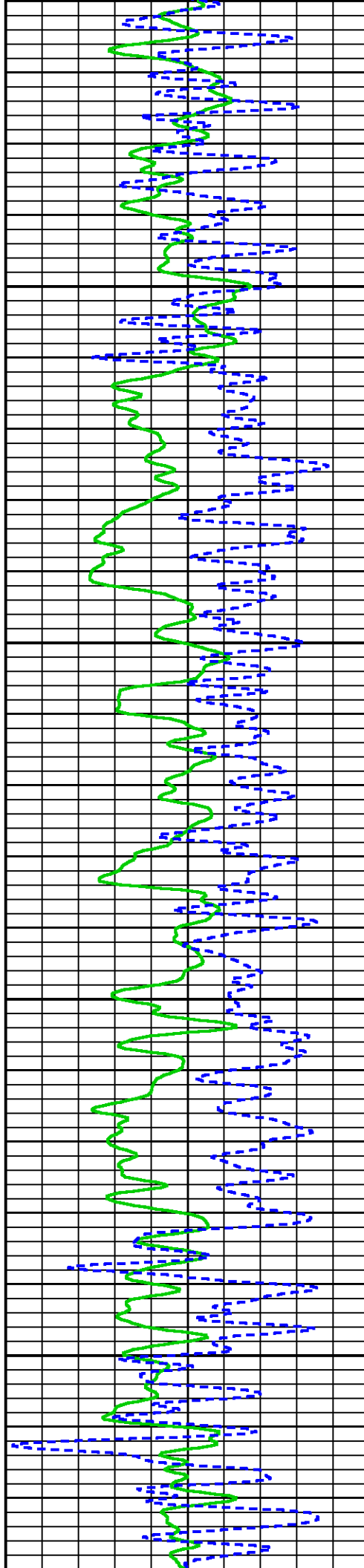
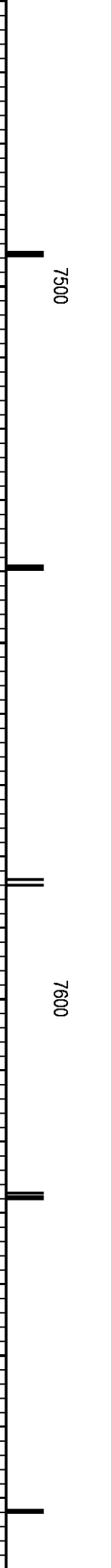
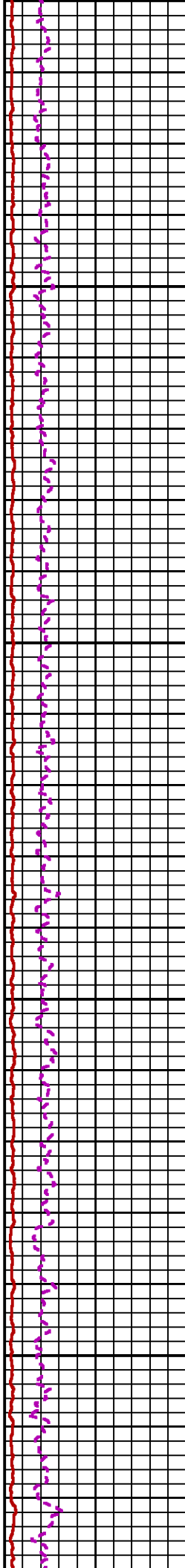
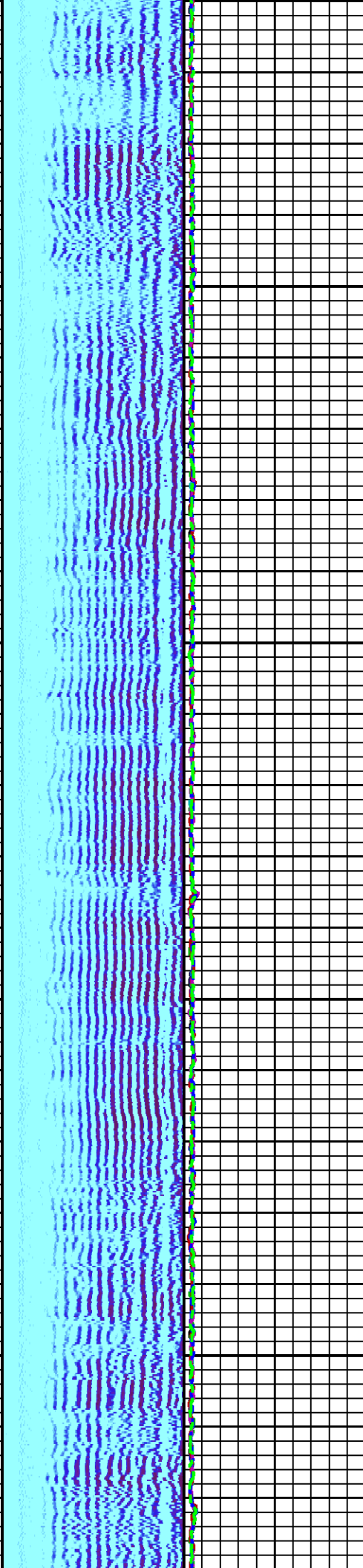




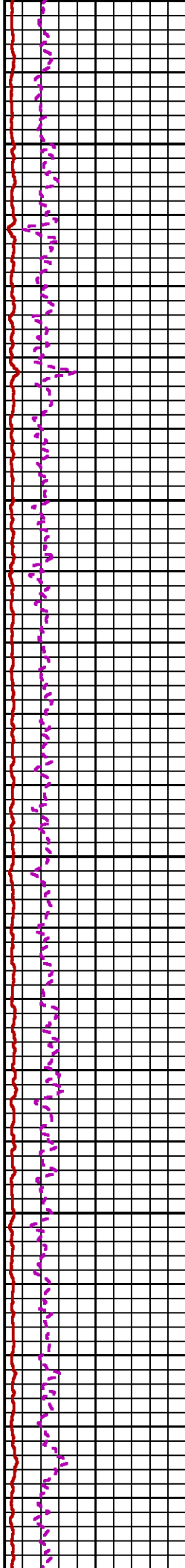
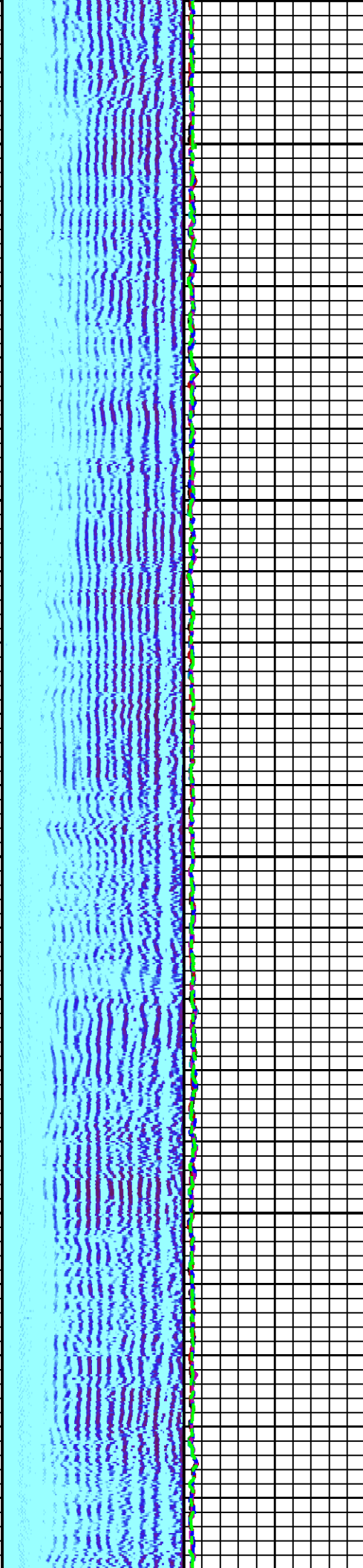








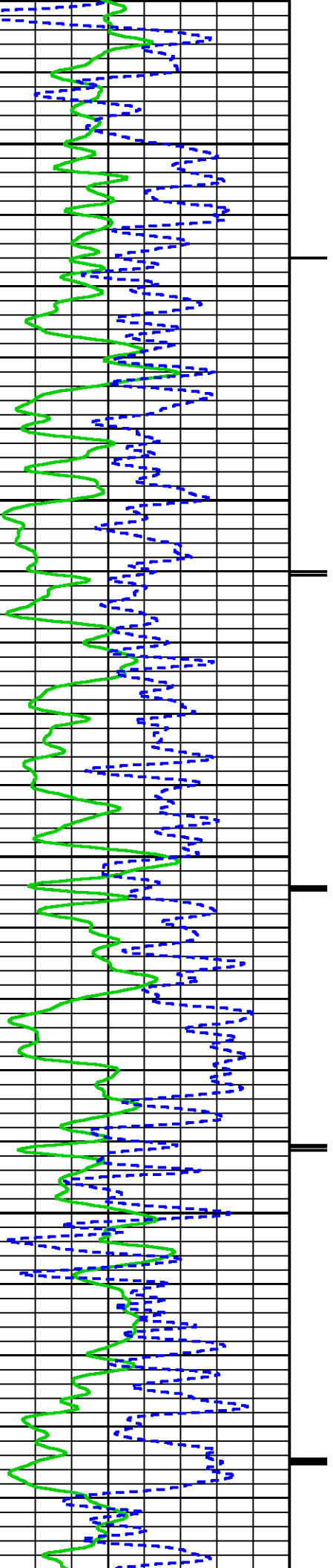


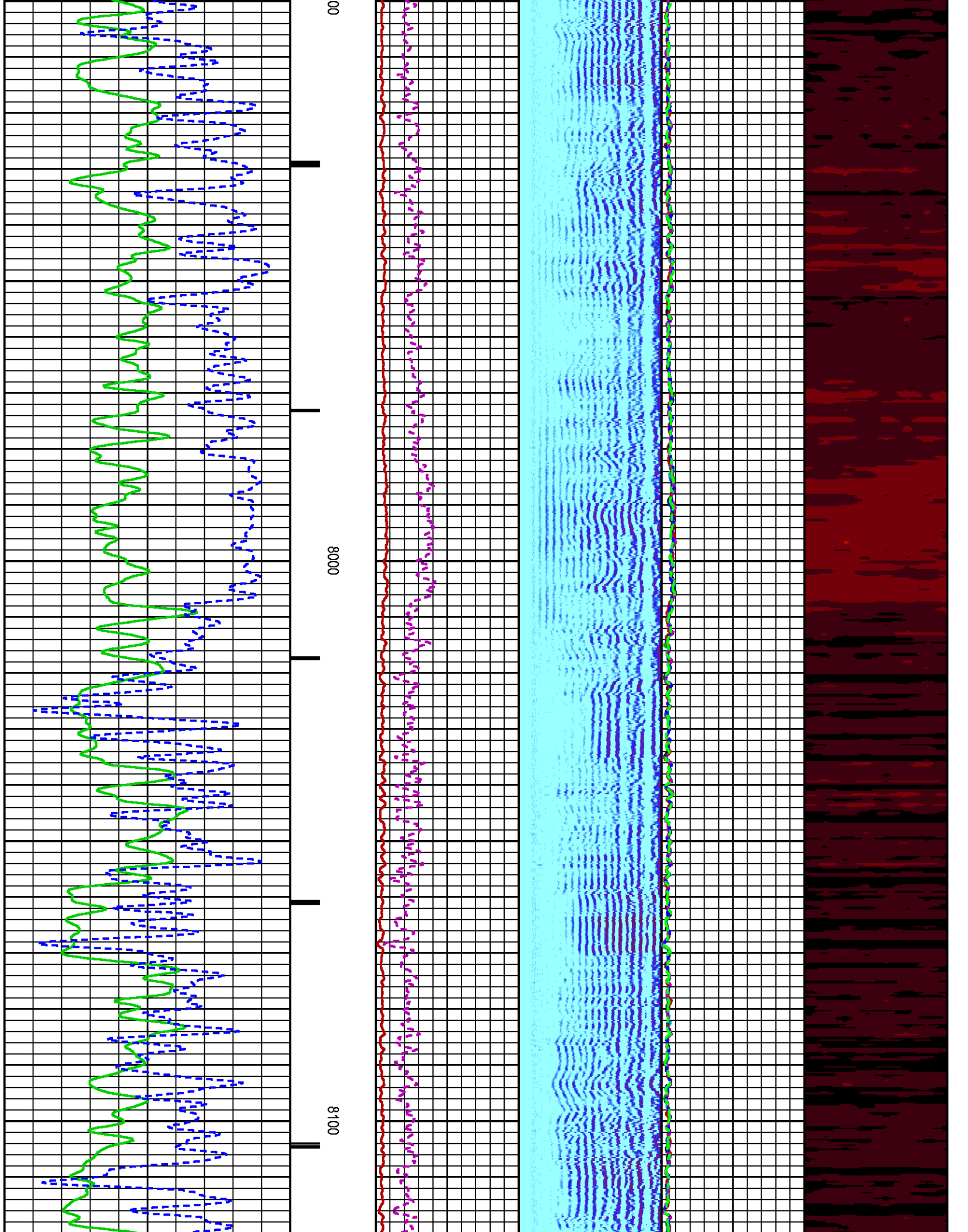


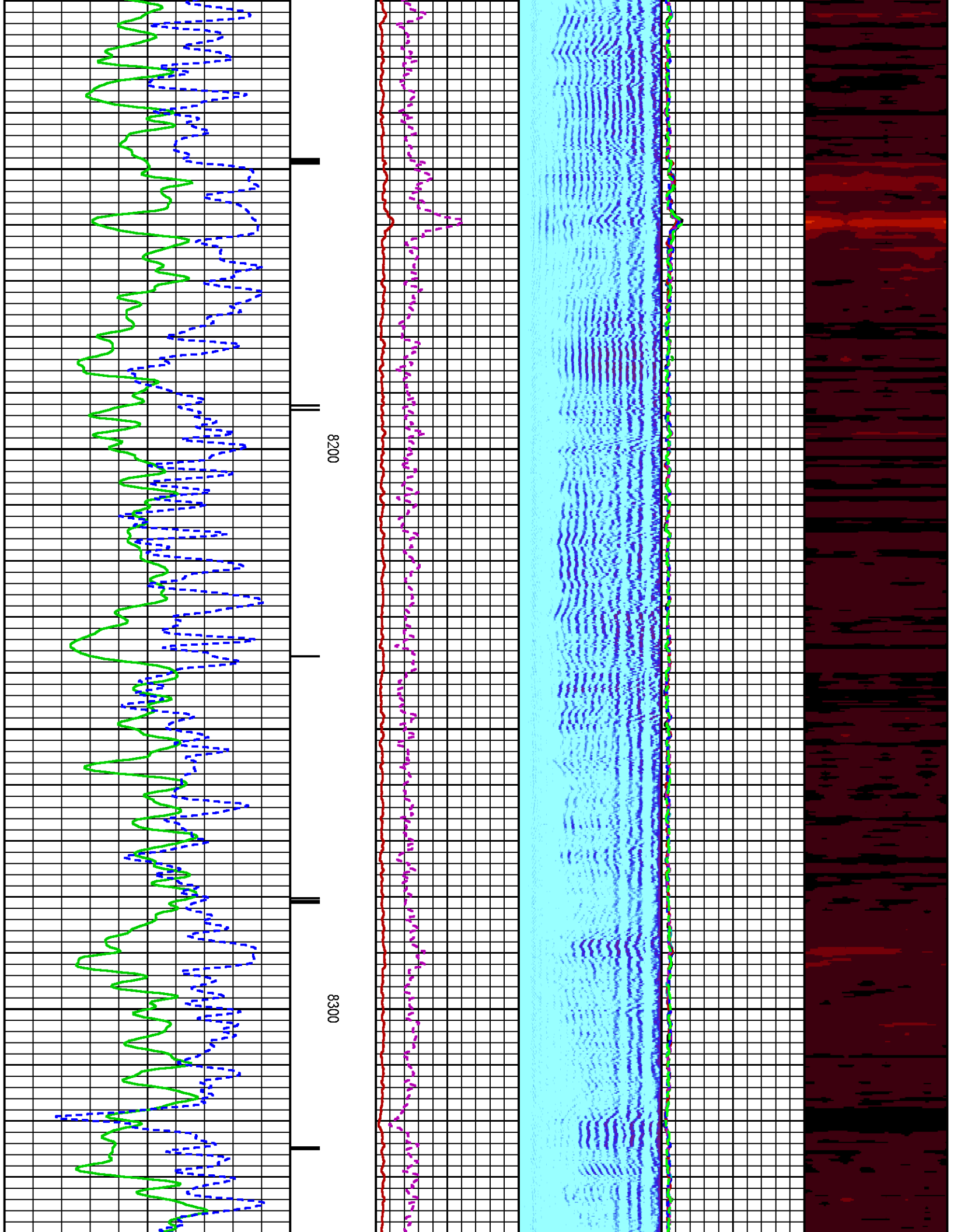
7700

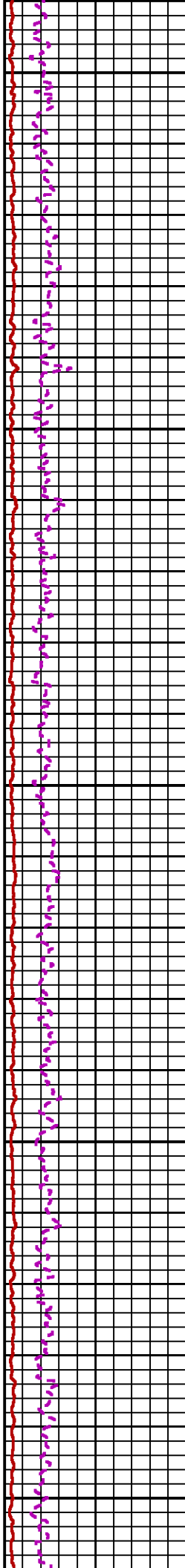
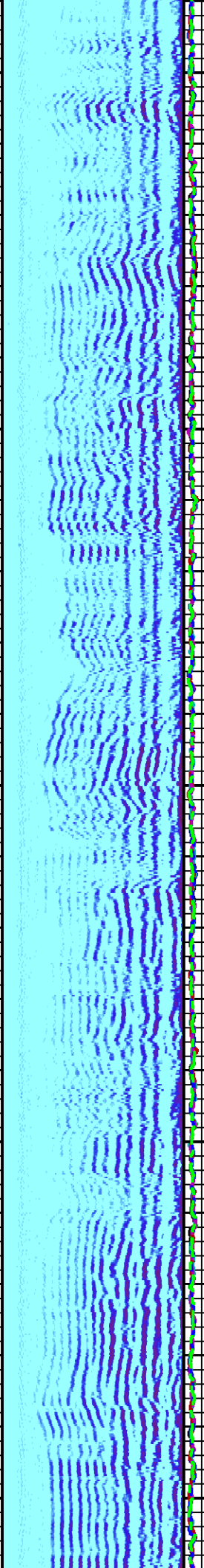
7800

79



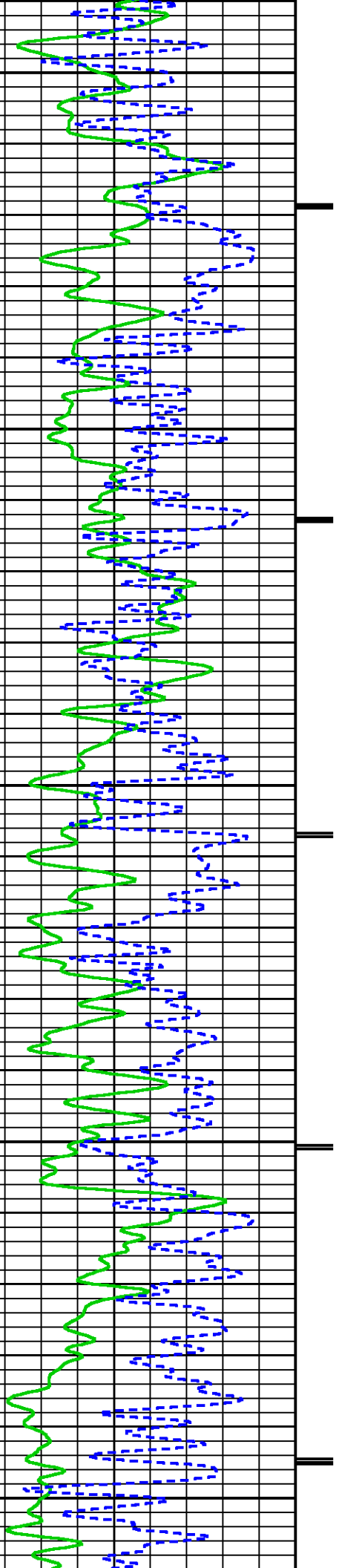




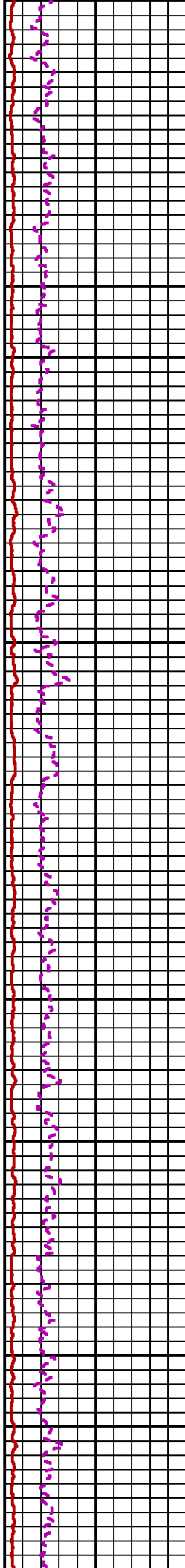
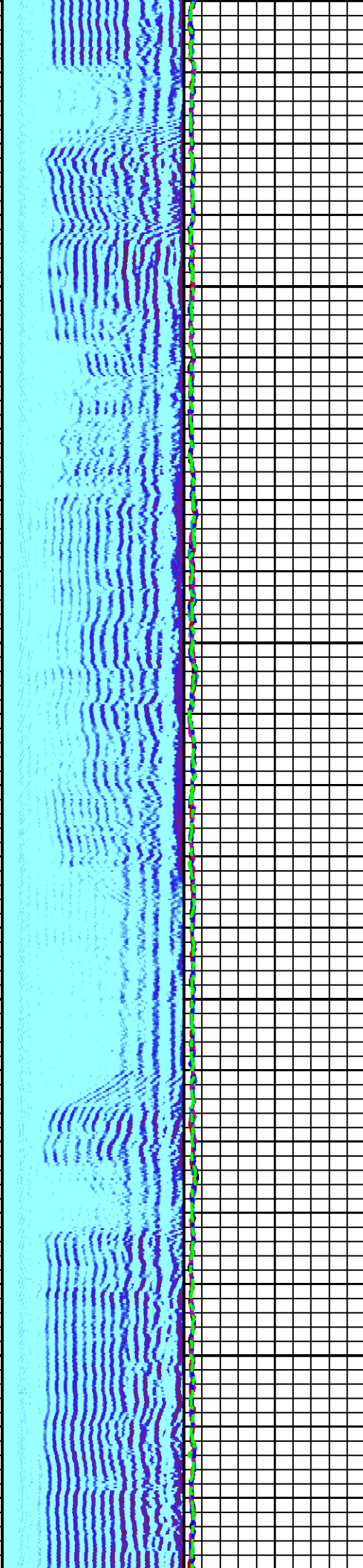


8400

8500

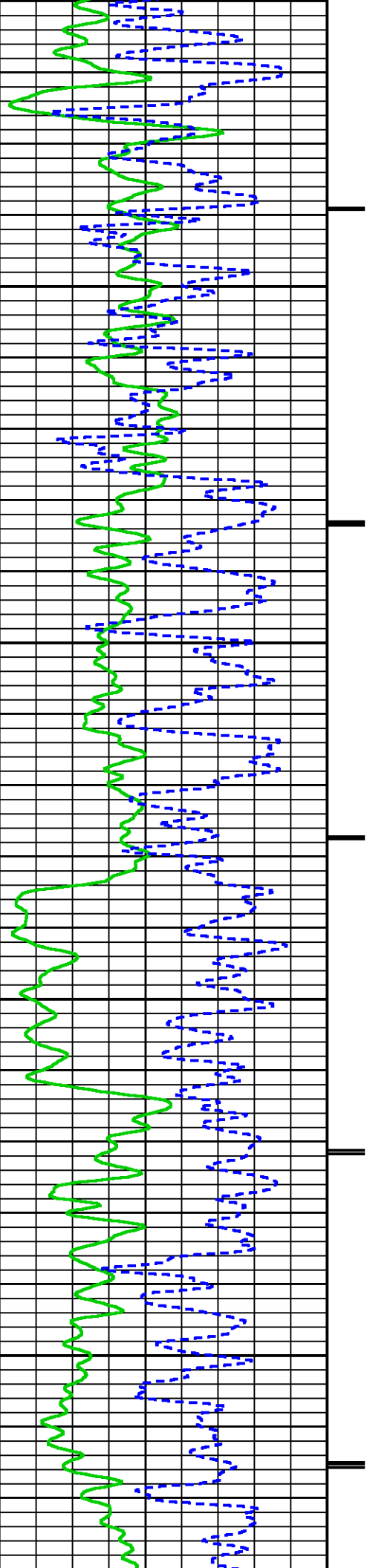


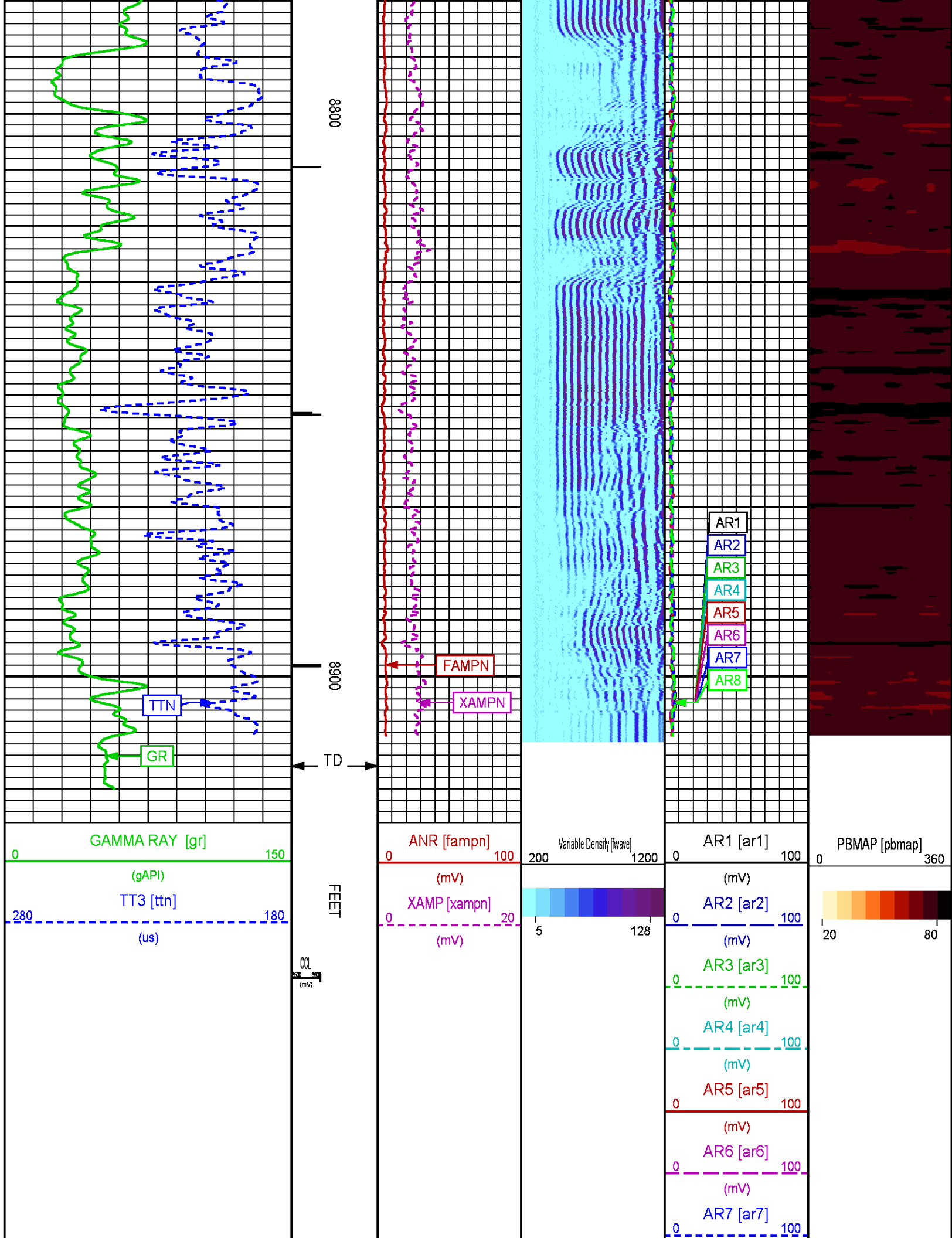


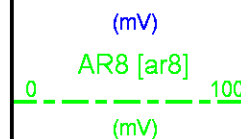


8600

8700







## REPEAT LOG 0 PSI

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

Plotted: Sun Jan 11 14:52:42 2015

### PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093874\012g01.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 8579.750 ft BOTTOM DEPTH: 8914.023 ft

#### SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	light (2a)		"	"
TRAVEL TIME	FILTER ()	medium (1)		"	"

#### RAL CCL PROCESSING

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

#### ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	183	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	171	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-70	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

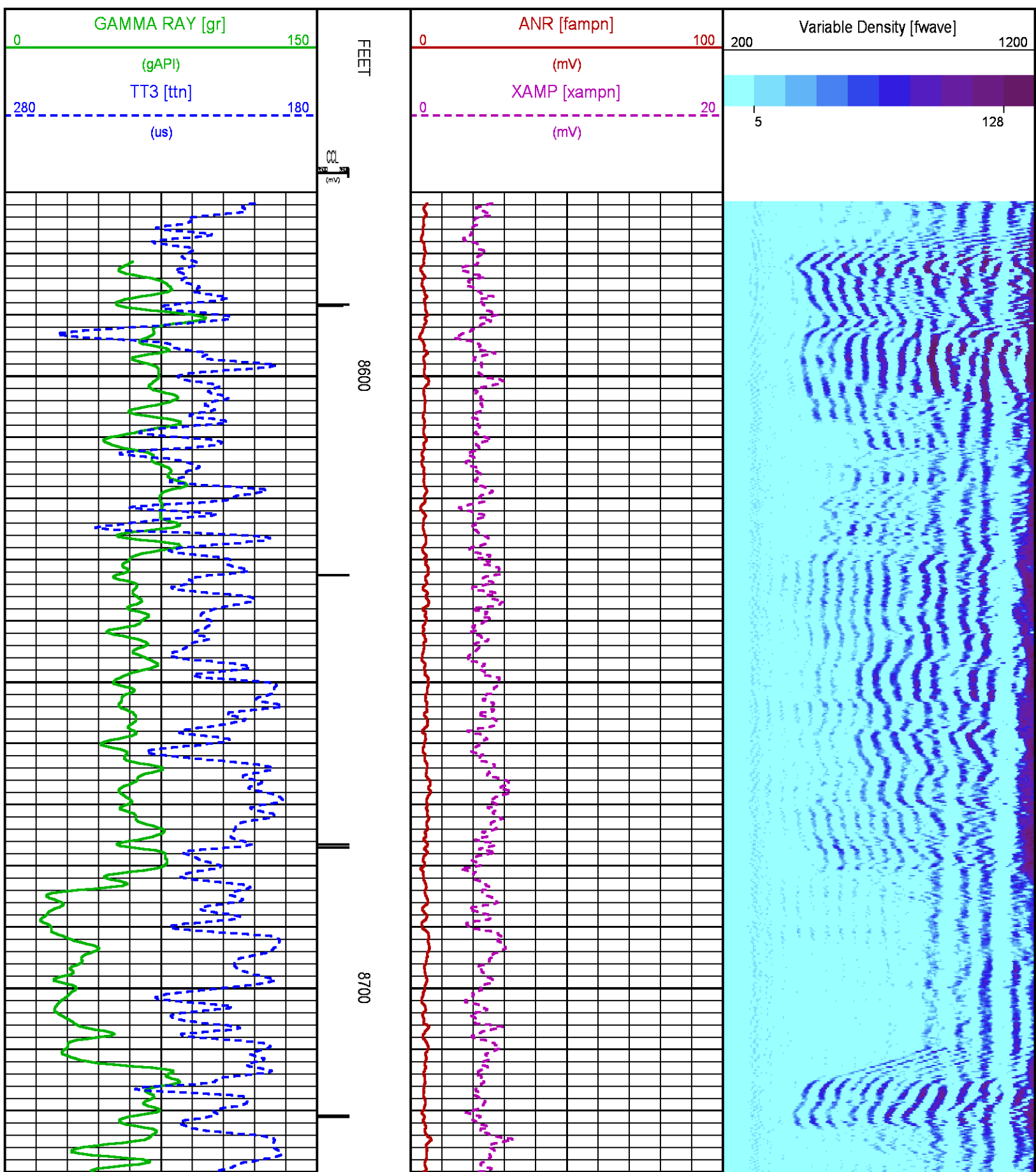
### CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jan 11 08:31:31 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 11 08:31:31 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 11 08:31:31 2015	FAR WAVE FORM
F1:GR	Jan 11 08:31:31 2015	GAMMA RAY
F1:TTN	Jan 11 08:31:31 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 11 08:31:31 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

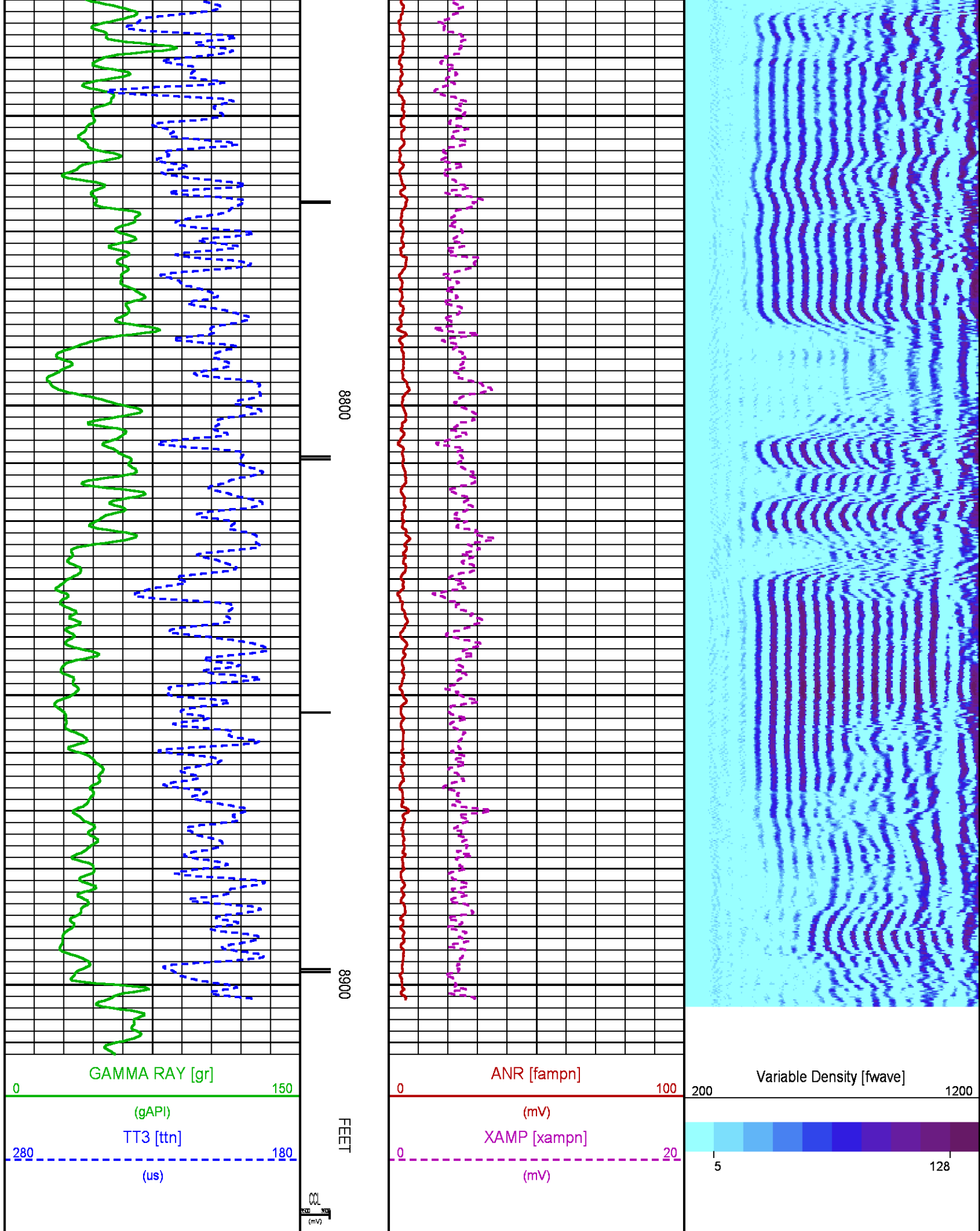
### CURVE MEASURE POINT OFFSET

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\093874\441\_CBL\_REPEAT.ivp [5 / 100 Scale]  
Plot Interval : 8571.5 - 8913.5 Feet  
  
Data File 1 : F1 : BHUGHES-06627-C:\dat1a\093874\441\_CBL\_REPEAT.xtf  
Created On : Jan 11 08:31:31 2015  
Company : WPX ENERGY  
Well : FEDERAL PA 441-27  
Field : PARACHUTE  
File Interval : 8570.5 - 8915 Feet  
OCT : n012g







## CALIBRATION / VERIFICATION SUMMARY

Source File: C:\dat1a\093874\012g.tp1

### RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Fri Jan 09 11:06:52 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)	0.06	0.01	-0.08	-0.01	0.08	0.01	-0.05	-0.10	-0.02	0.94	-0.00
AMP FLUID (mV)	85	84	83	83	83	84	84	84	84	112	83
TT (us)	217	218	217	216	216	216	216	216	219	326	218
M FACTOR	1.18	1.19	1.20	1.20	1.20	1.20	1.19	1.18	1.19	1.35	1.20

### RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Sun Jan 11 07:59:00 2015

DAYS SINCE CAL: 1

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	0.09	0.06	-0.13	0.15	-0.03	0.02	0.06	0.01	0.04	-0.06
AMP AIR	4.14	3.91	4.36	4.11	4.42	3.76	4.01	4.02	3.86	6.01	100.74

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.20	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 CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	158.53	746.53	588.0	49.88	234.88

## 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 CALBRTR ON (cts)	MULT	BACKGROUND CALBRTR ON (gAPI)	DIFF. (gAPI)
GR	164.98	742.44	51.91	181.69

175.00 195.00

## INSTRUMENT CONFIGURATION

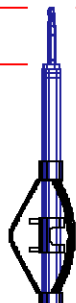
Source File: C:\dat1a\093874\CBL-tdg.meta

### 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



18.85'

NEAR RCVR — 11.17'

FAR RCVR — 10.21'

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



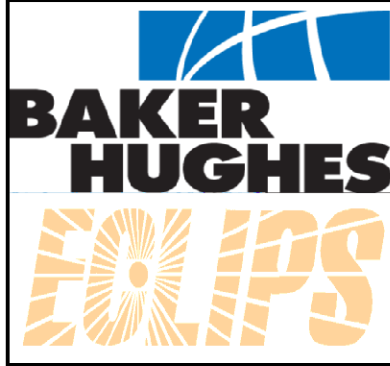
CCL 5.79'

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 441-27		CH093874	
	FIELD	PARACHUTE		API NO:	
	COUNTY	GARFIELD	STATE	COLORADO	05045222370000
LOCATION:		ELEVATIONS:		27 6S 95W	
SHL: 2337' FNL & 647' FEL		KB 5882 FT		DOE 2-W-27 PAD	
BHL: 236' FNL & 491' FEL (NENE)		DF		NABORS 576	
GL 5856 FT		DATE		11-Jan-2015	
SEC 27		TWP 6S		RGE 96W	