RADIAL ANALYSIS BOND LOG

FILE NO:	CH093851
API NO:	05045224620000
COMPANY	WPX ENERGY
WELL	GM 411-12
FIELD	GRAND VALLEY
COUNTY	GARFIELD
STATE	COLORADO

Version
12 7S 96W
GM 21-12 PAD
NABORS 573

LOCATION:
SHL: 1179' FNL & 1894' FWL
BHL: 220' FNL & 1209' FWL (SWNE)

SEC 12 TWP 7S RGE 96W

OTHER SERVICES
RPM

PERMANENT DATUM	GL	ELEVATION	5125 FT
LOG MEASURED FROM	KB	26 FT	ABOVE P.D.
DRILL. MEAS. FROM	KB		

ELEVATIONS:

KB	5151 FT
DF	
GL	5125 FT

DATE		31-Dec-2014	
RUN	TRIP	1	1
SERVICE ORDER		US093851	
DEPTH DRILLER		6436 FT	
DEPTH LOGGER		6406 FT	
BOTTOM LOGGED INTERVAL		6396 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		60 FT	
LOGGED CEMENT TOP		NA	
WELLHEAD PRESSURE		0 PSI	
MAXIMUM HOLE DEVIATION		NA	
NOMINAL LOGGING SPEED		65 F/MN	
MAX. RECORDED TEMP.		213 DEGF	
REFERENCE LOG		NA	
REFERENCE LOG DATE		NA	
EQUIP. NO.	LOCATION	4271	GRAND JCT.
RECORDED BY		FLOYD RENEAU	
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.

CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			0 FT	1563 FT
4.5 IN	11.6 LB/F	I-80	0 FT	6436 FT

BOREHOLE RECORD

BIT SIZE	FROM	TO
13.5 IN	0 FT	1563 FT
8.75 IN	1563 FT	6436 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 +5 feet.

Logged with Zero PSI at wellhead.

BHT = 213 degF

SJ = 2910'-2932'

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: Wed Dec 31 13:19:20 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\411-12\n012g02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 25.750 ft BOTTOM DEPTH: 6404.723 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*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW LENGTH	25	us	TOP	BOTTOM
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	182	us	TOP	2248.750
		183	us	2248.750	2249.000
		184	us	2249.000	2249.250
		185	us	2249.250	2249.500
		186	us	2249.500	2249.750
		187	us	2249.750	BOTTOM
	TT WINDOW LENGTH	500	us	TOP	BOTTOM
	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	Dec 31 10:01:04 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 31 10:01:04 2014	FAR WAVE FORM

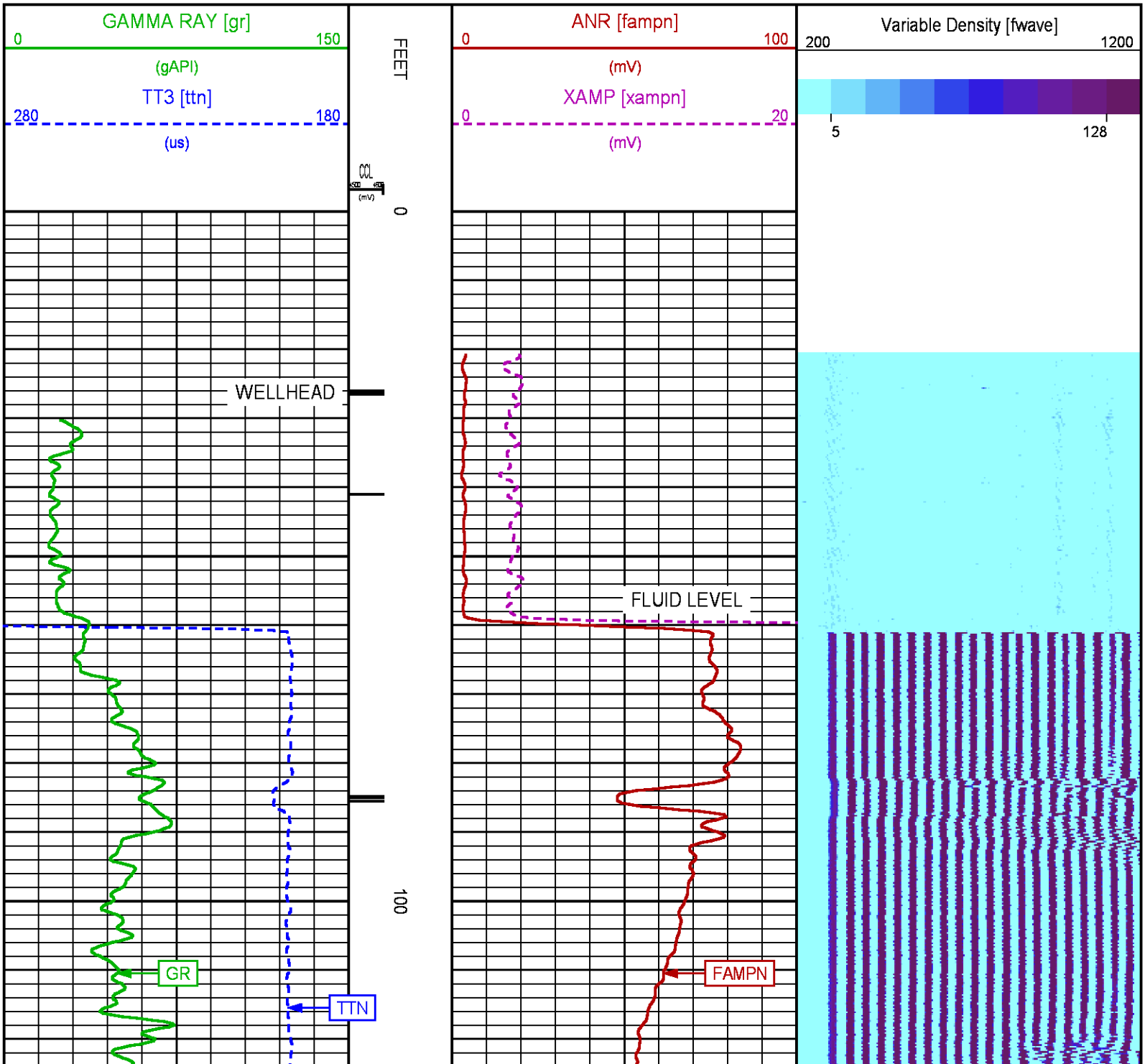
F1:FWAVE	Dec 31 10:01:04 2014	FAR WAVE FORM
F1:GR	Dec 31 10:01:04 2014	GAMMA RAY
F1:TTN	Dec 31 10:01:04 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

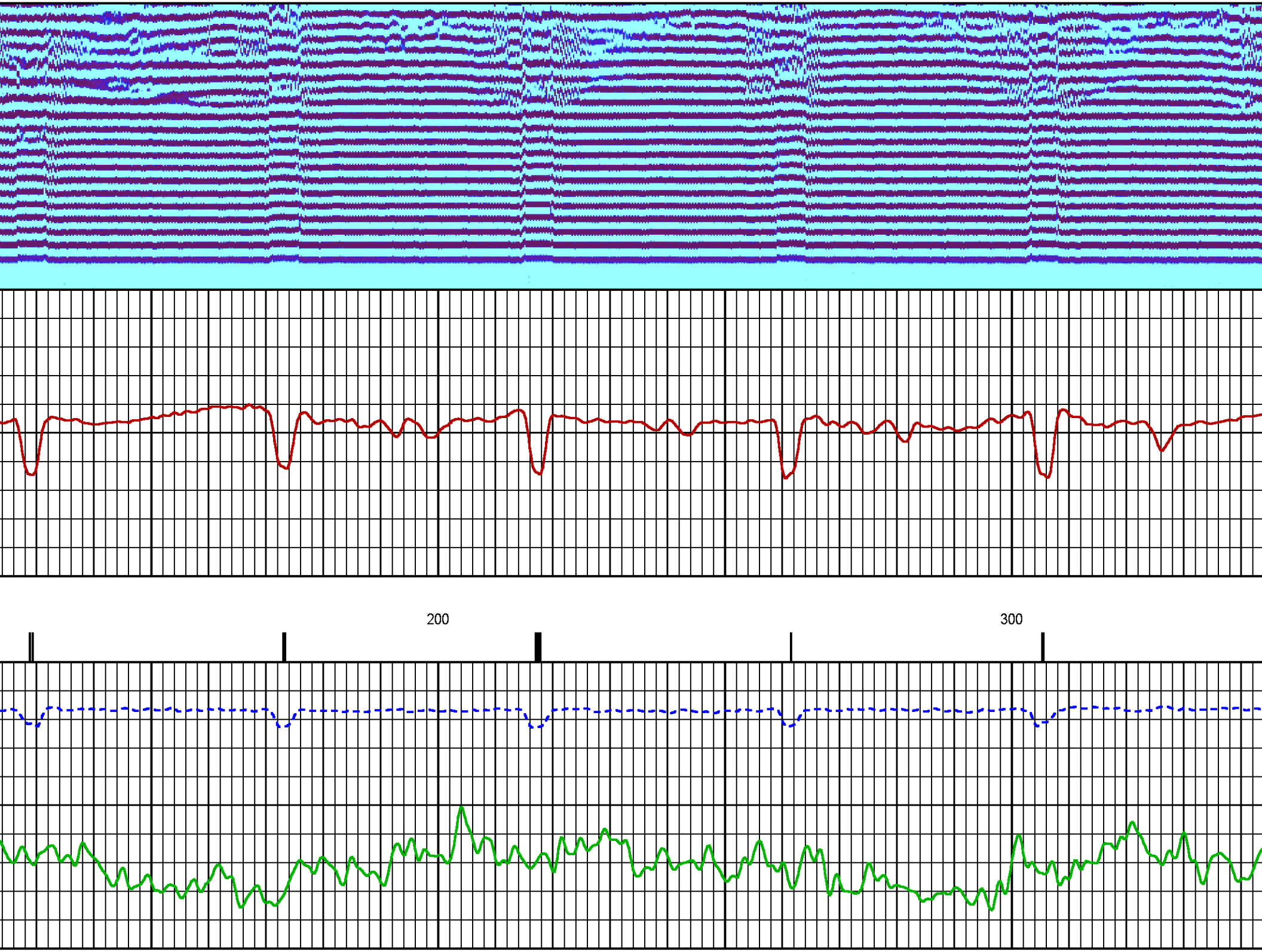
CURVE MEASURE POINT OFFSET

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				

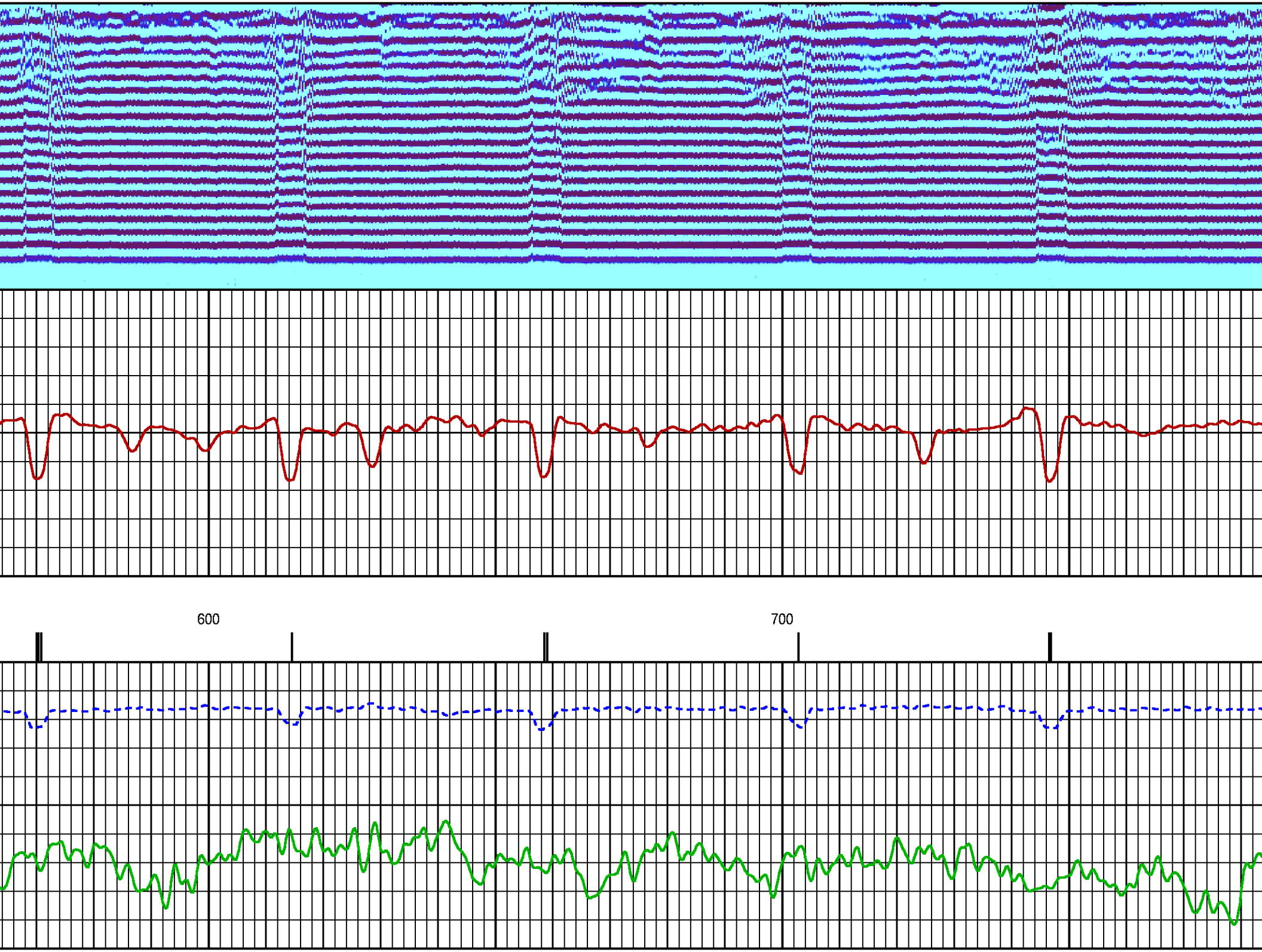
Presentation : BHUGHES-06627:C:\dat1a\411-12\411_CBL_PRIMARY.fvpdf [5"/100' Scale]
Plot Interval : 0 - 6410 Feet

Data File 1 : F1 : BHUGHES-06627:C:\dat1a\411-12\411_CBL_MAIN.xtf
Created On : Dec 31 10:01:04 2014
Company : WPX ENERGY
Well : GM 411-12
Field : GRAND VALLEY
File Interval : 19.5 - 6409 Feet
OCT : n012g

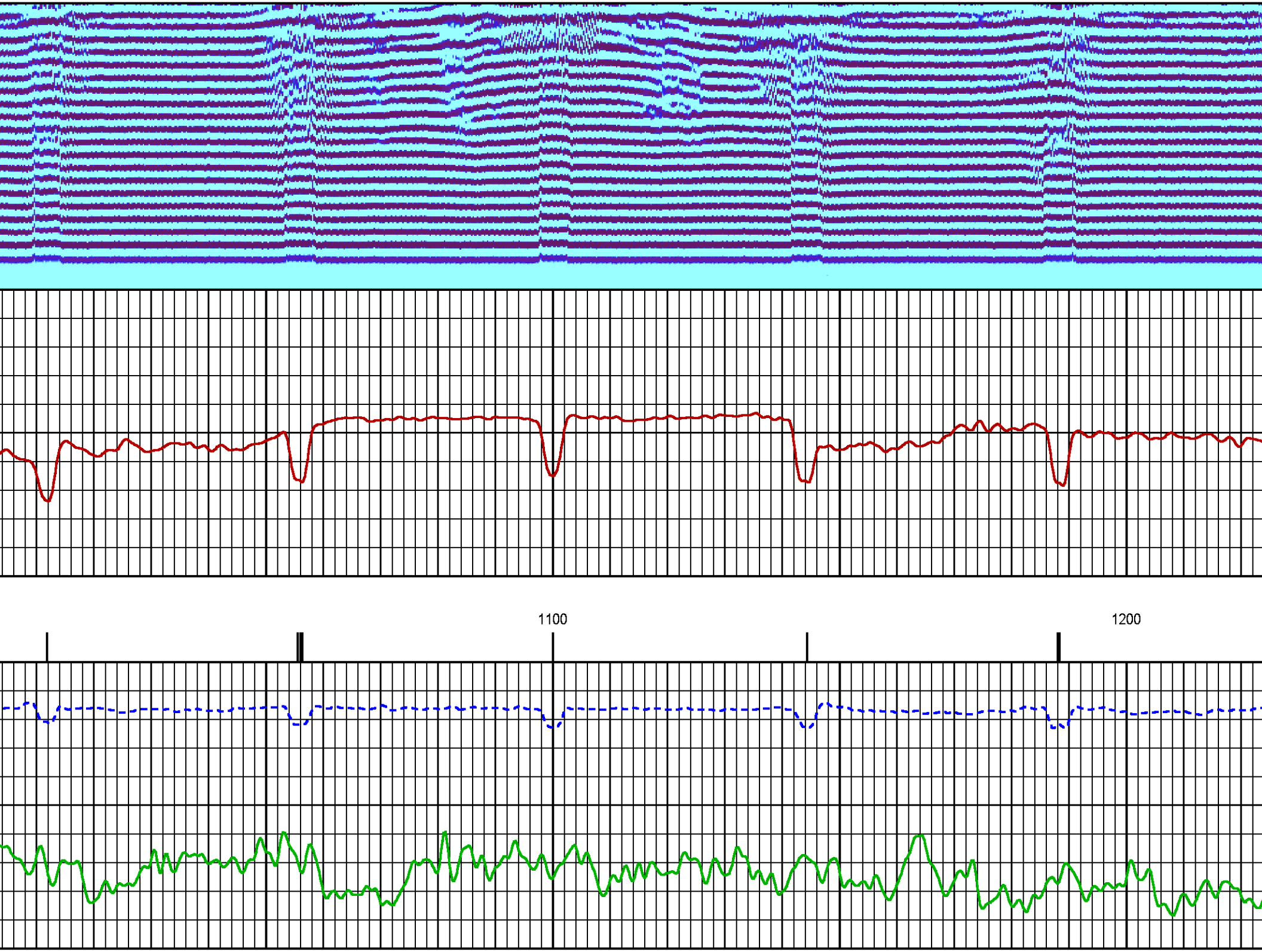


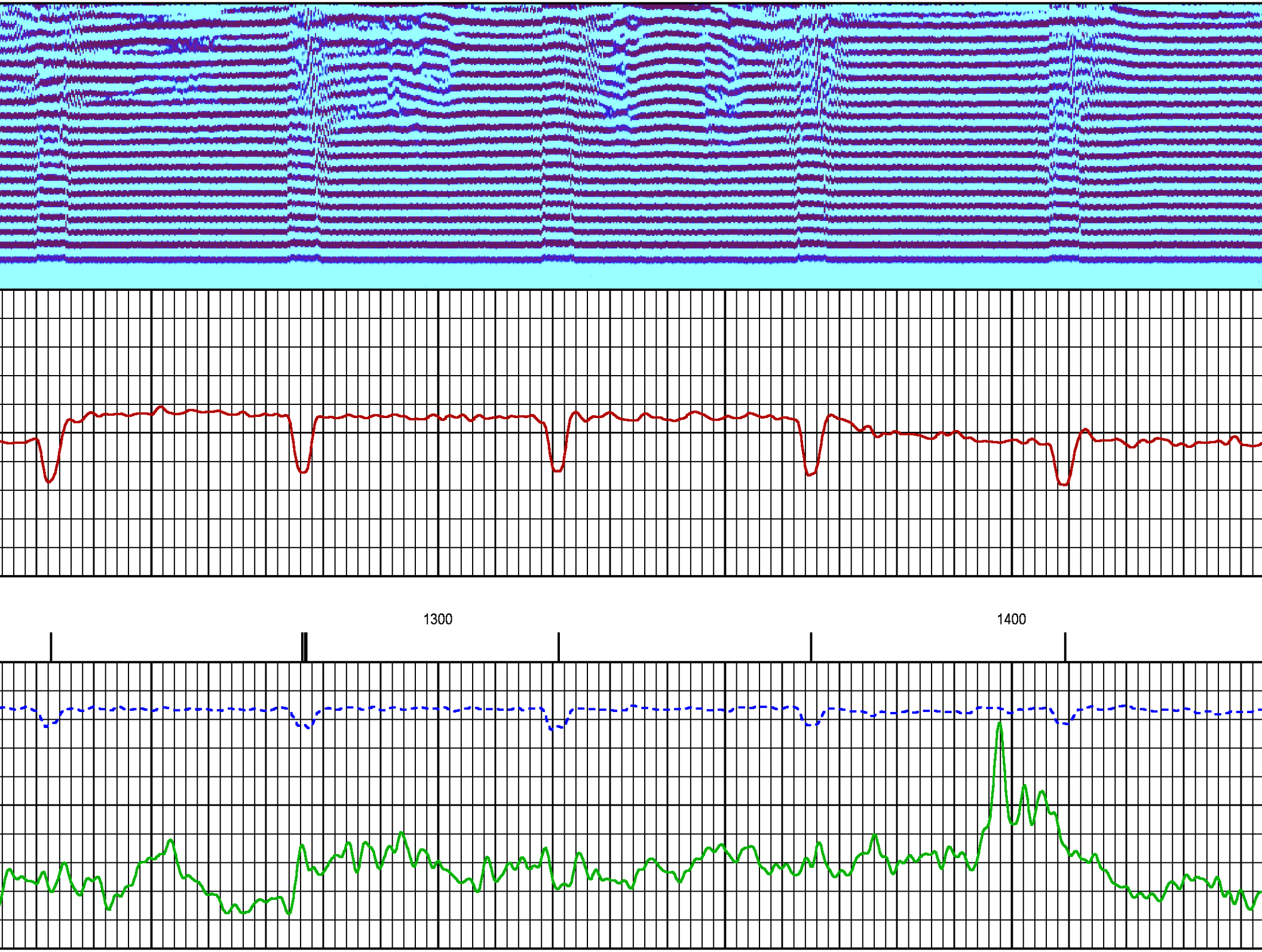

200
300

400
500

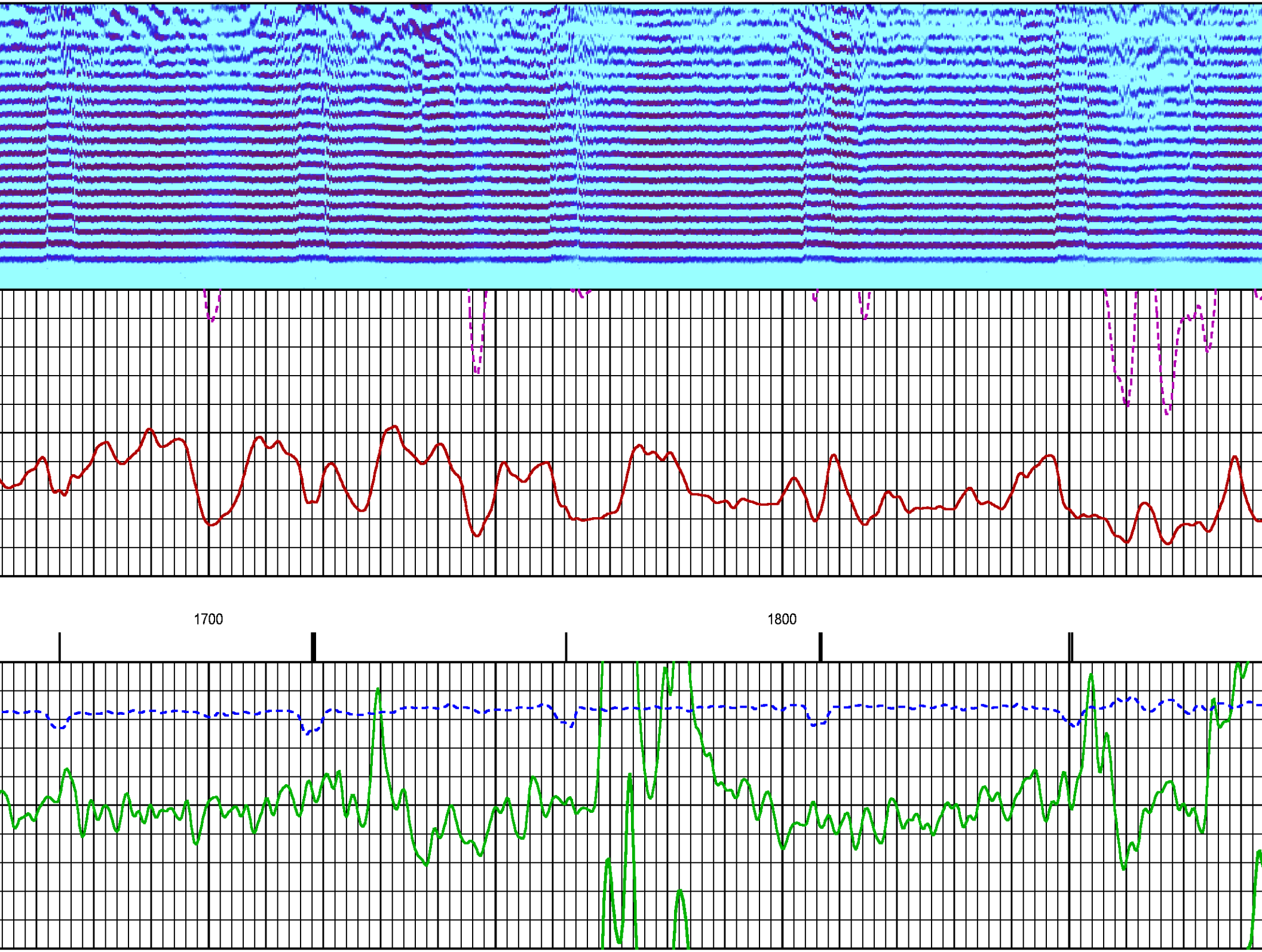

600
700

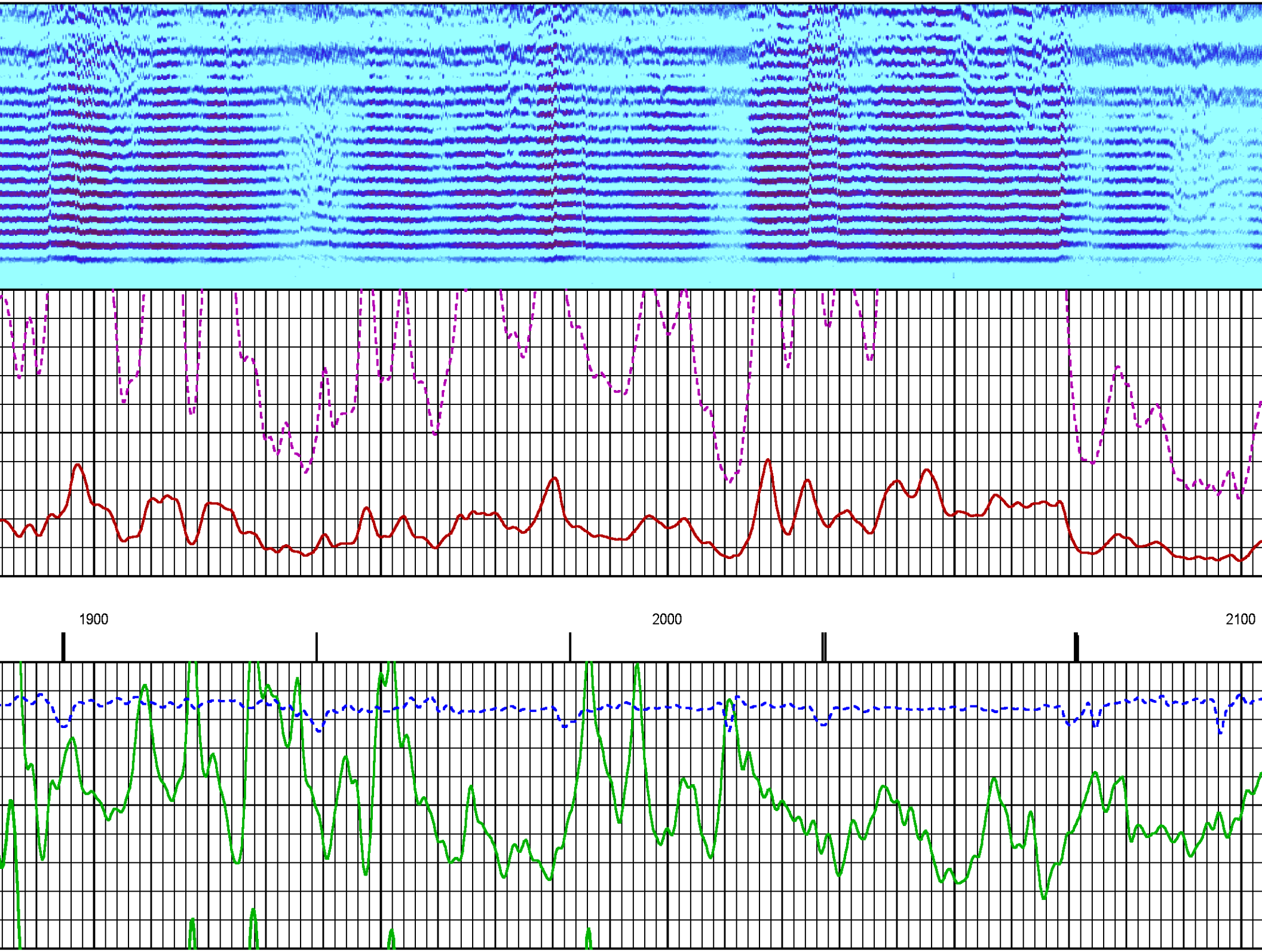
800
900
1000

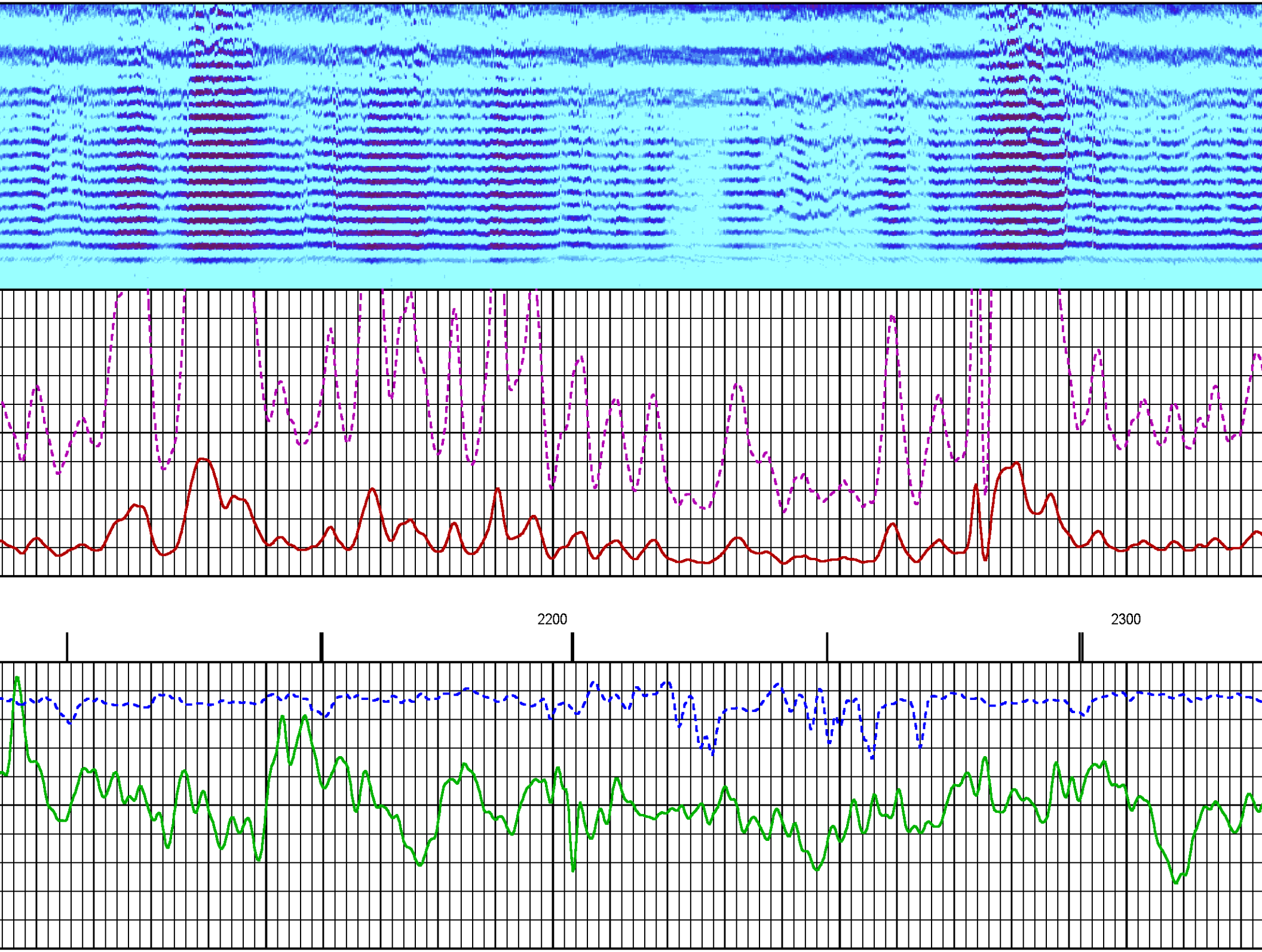

1100
1200

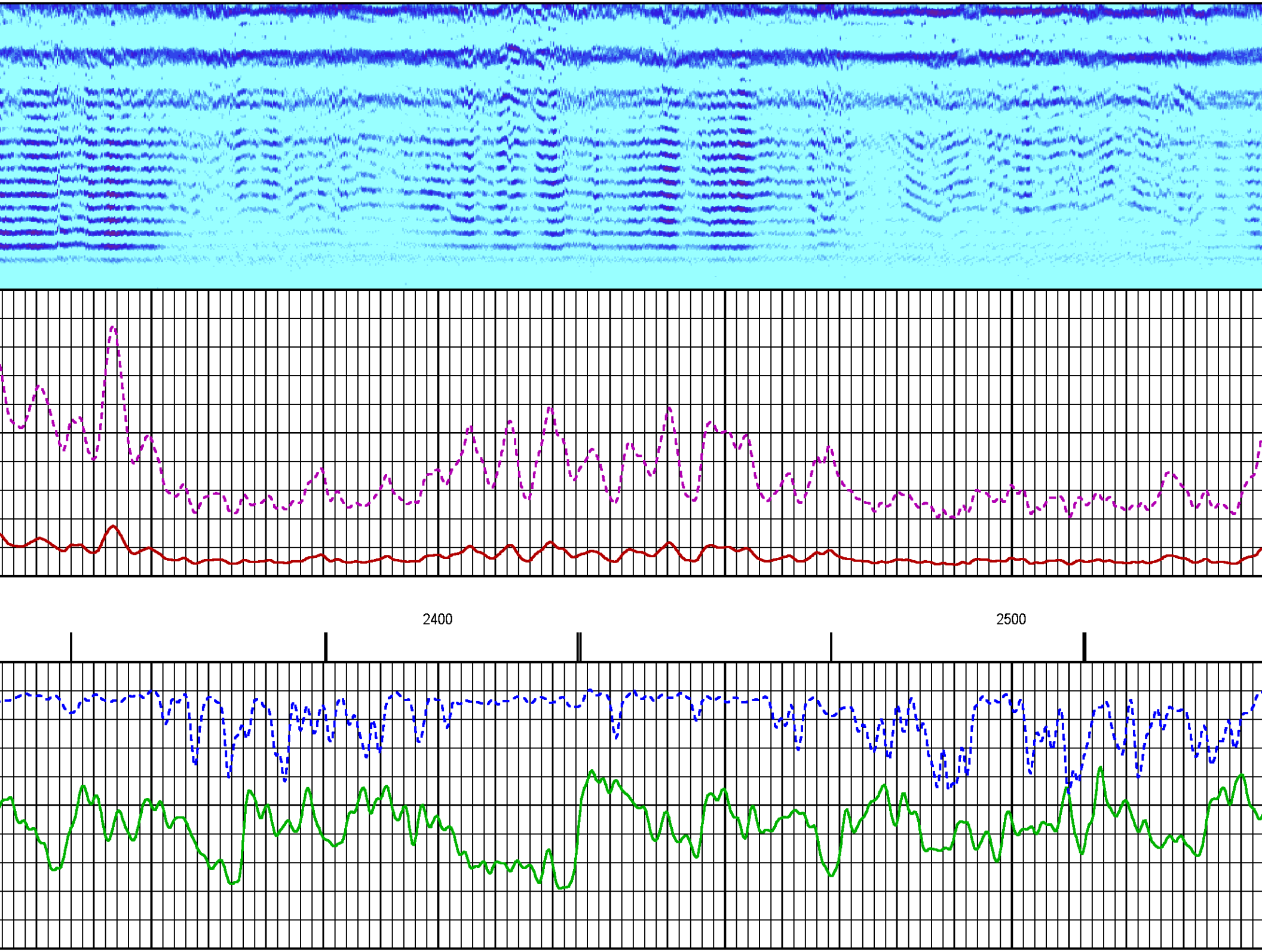

1300
1400

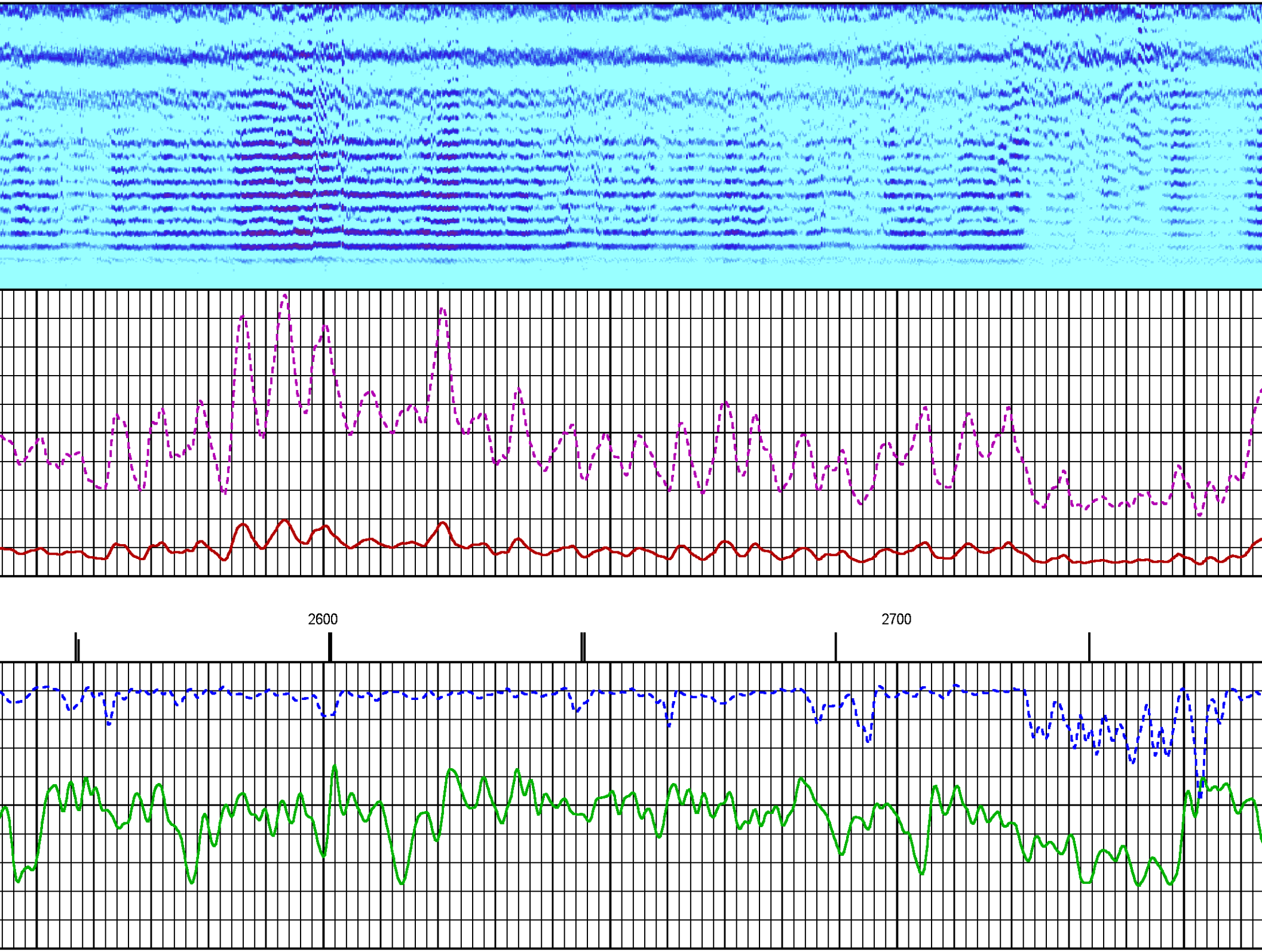
1500
1600


1700
1800

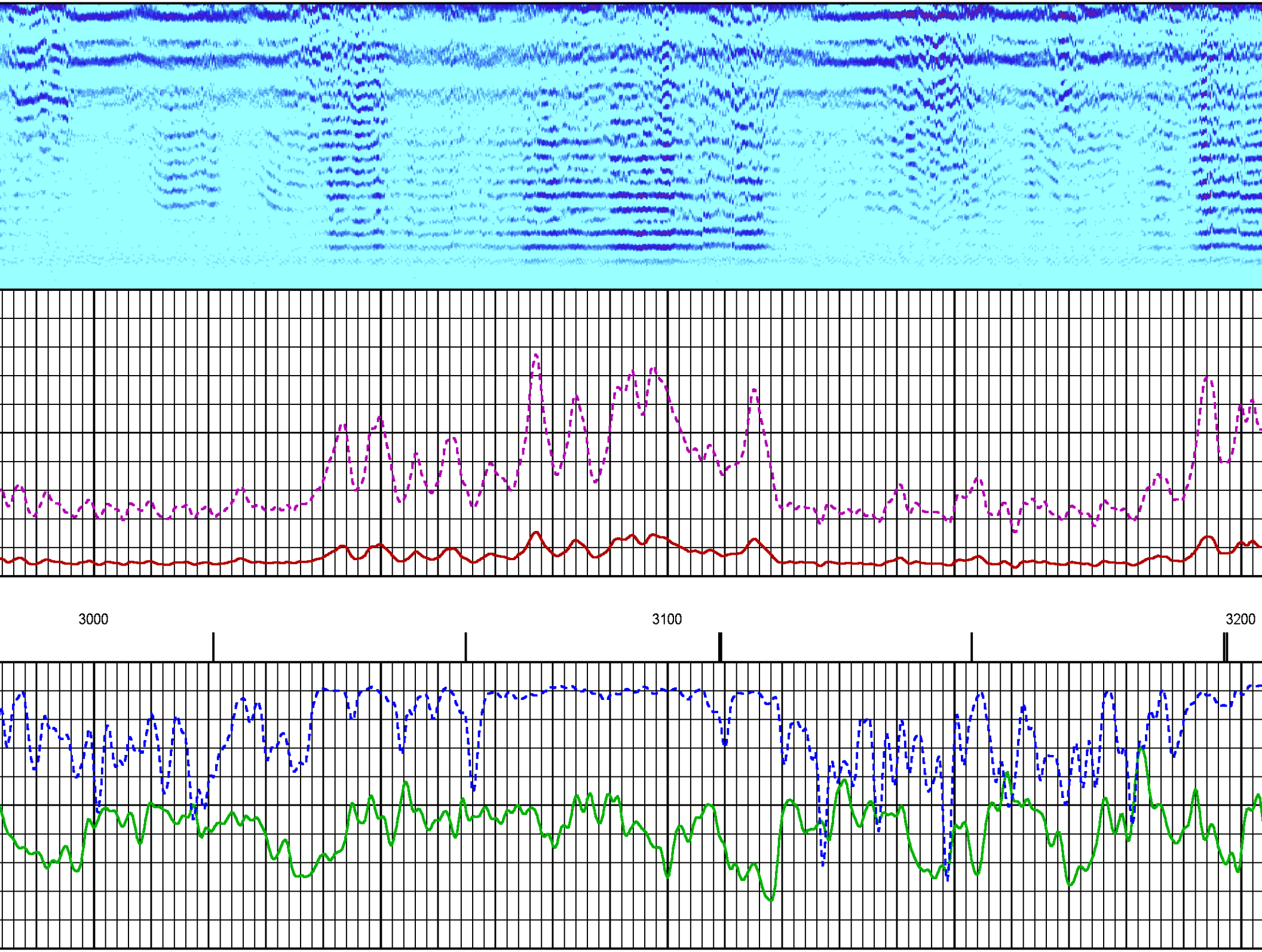

1900
2000
2100

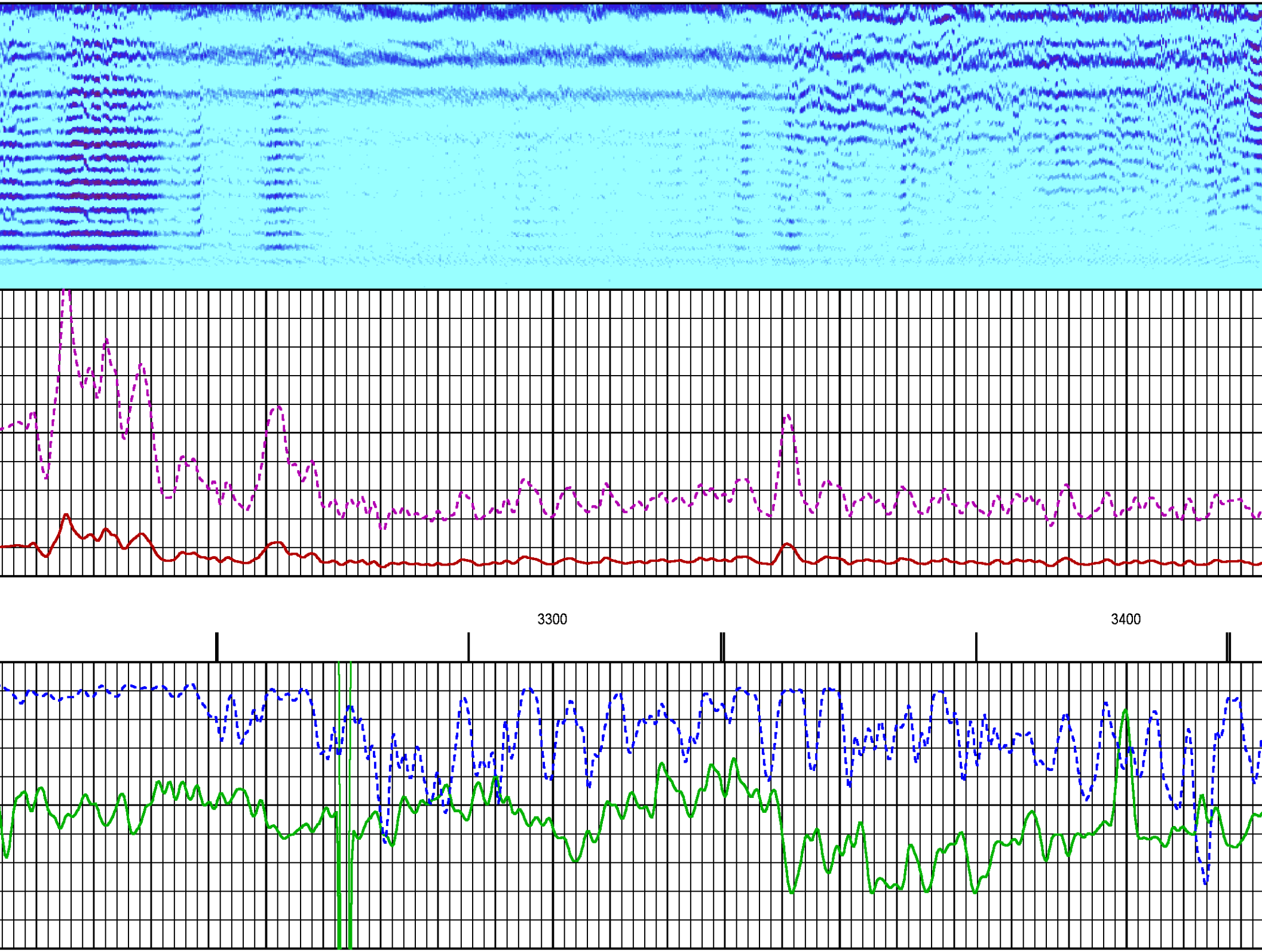

2200
2300

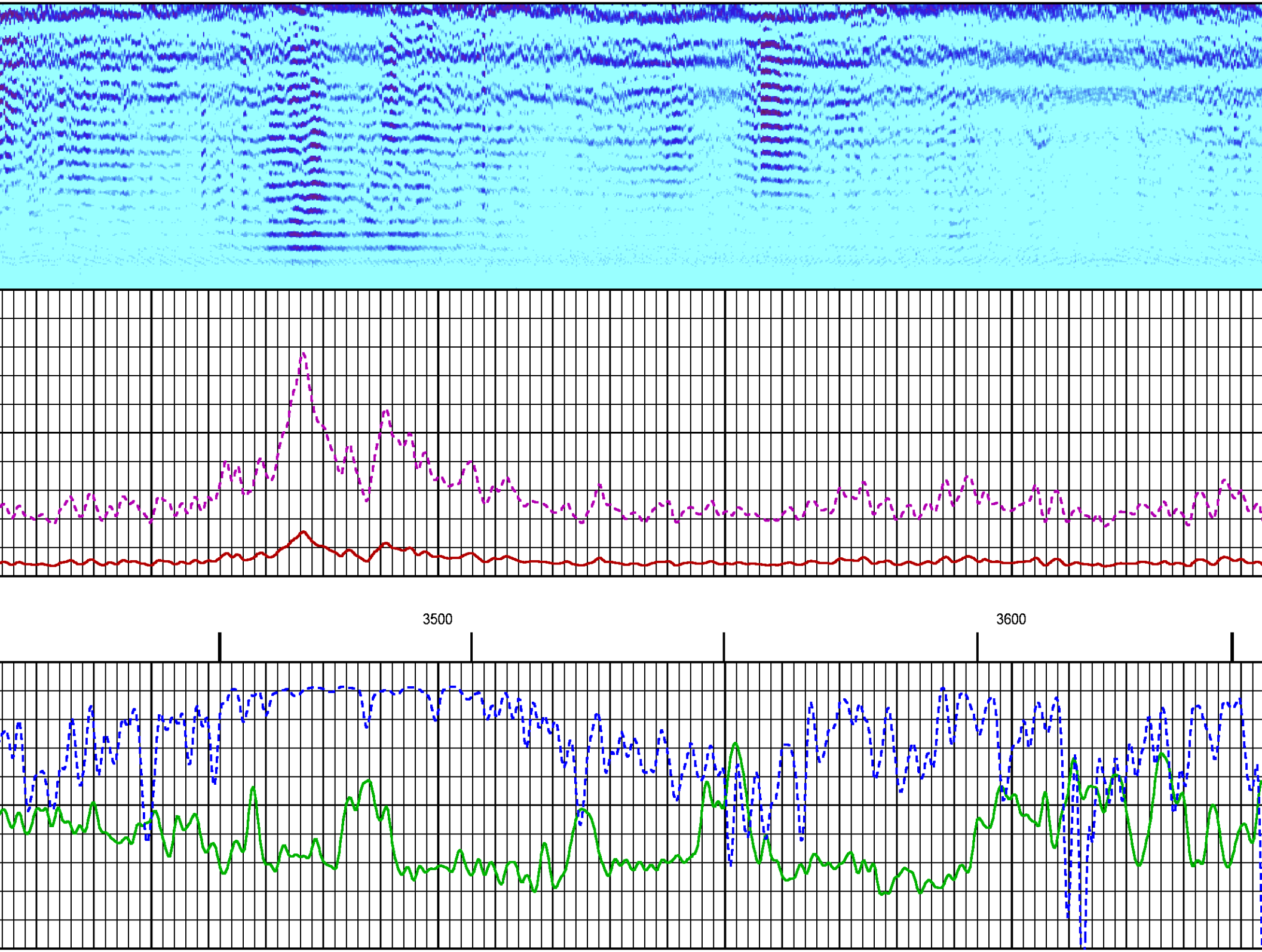

2400
2500

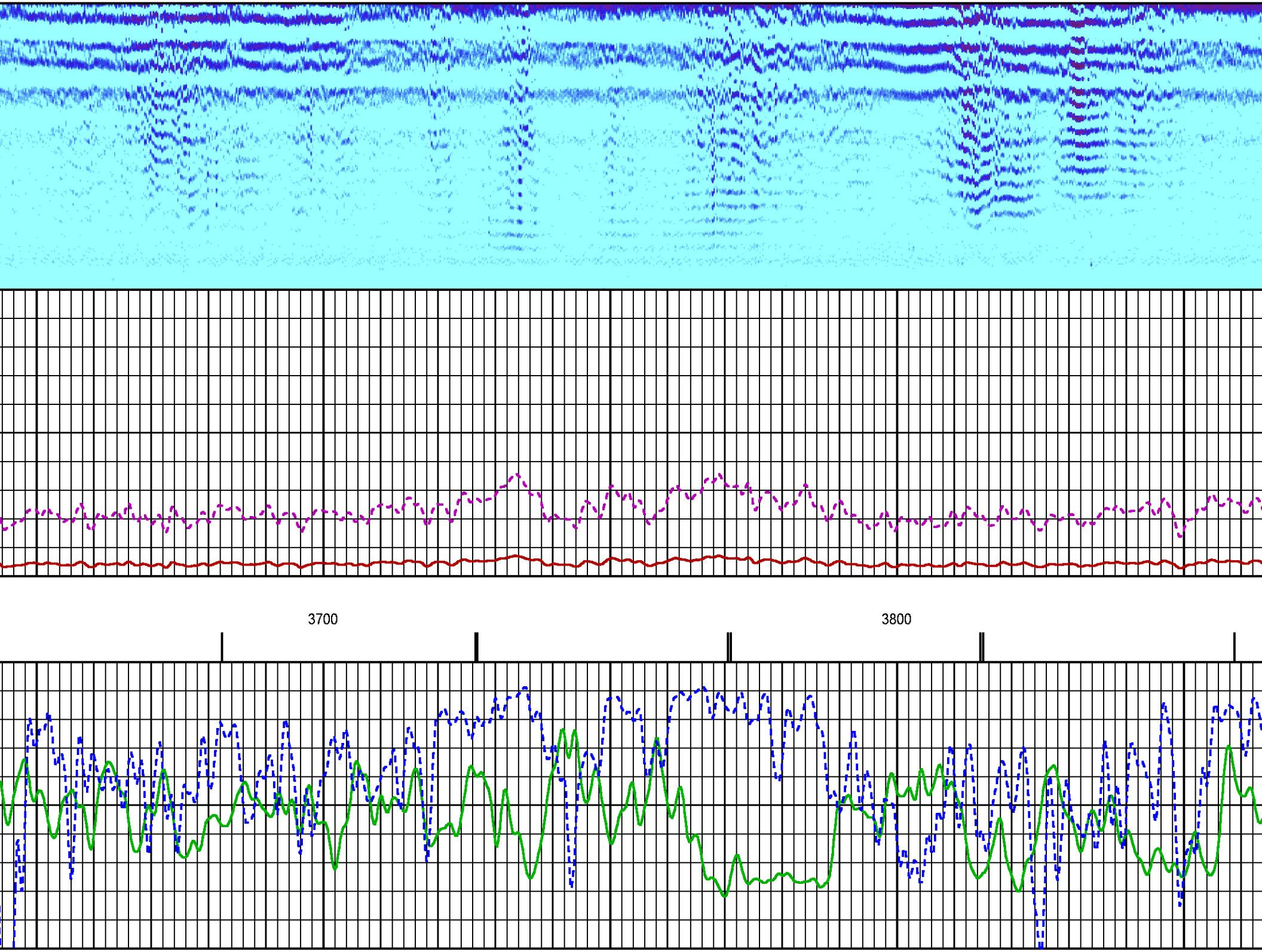

2600
2700

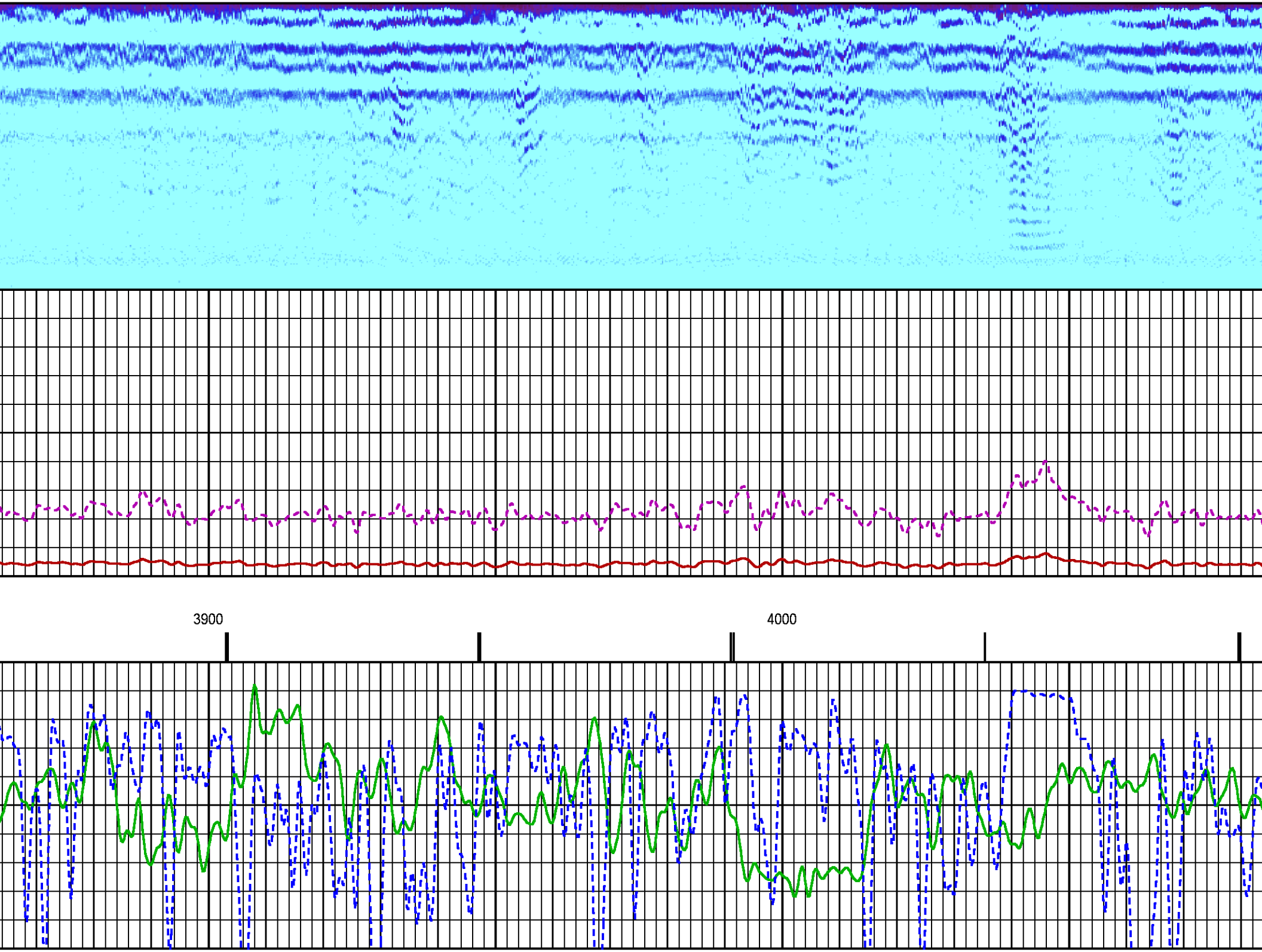
2800
2900
SHORT JOINT

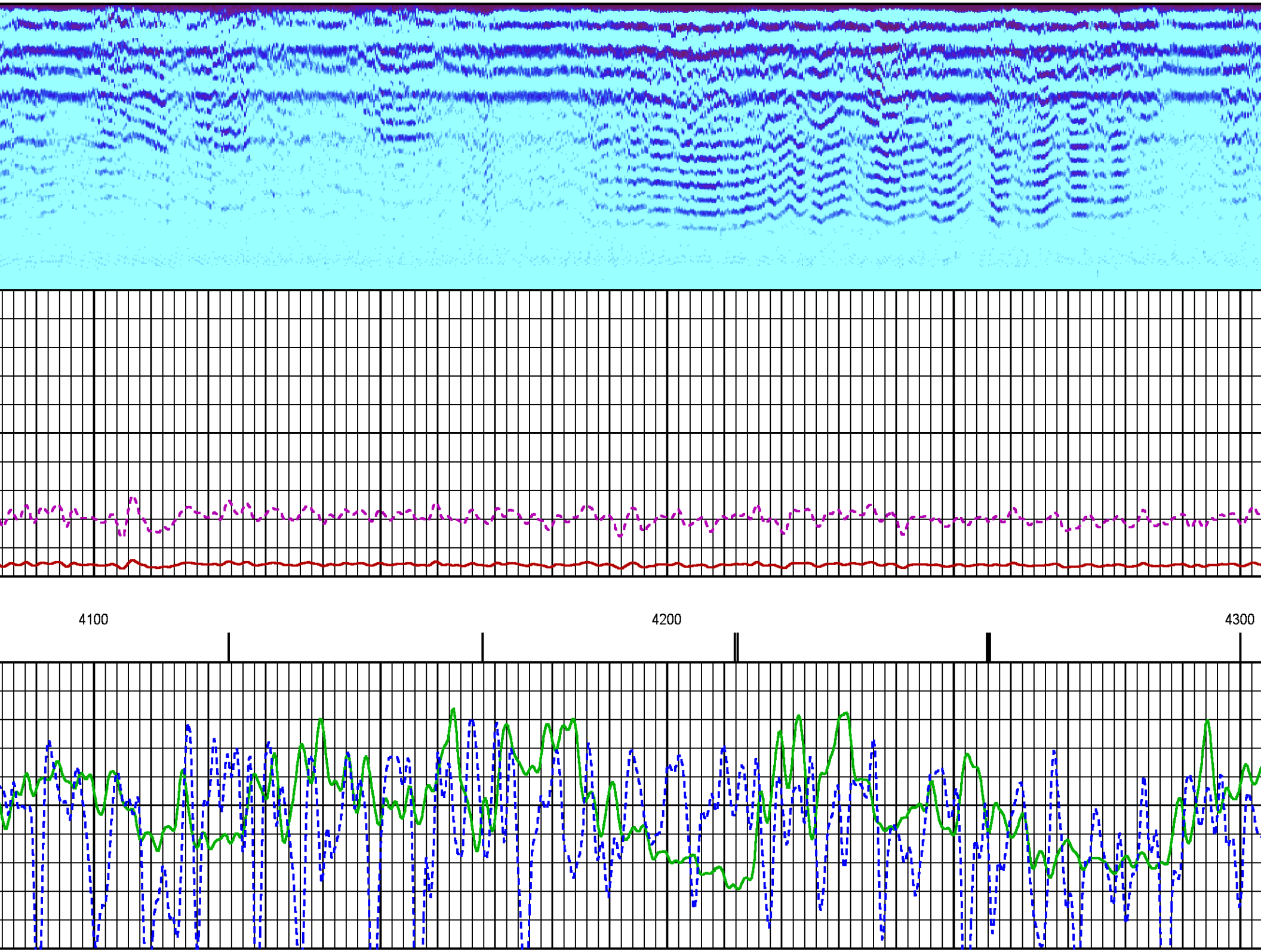

3000
3100
3200

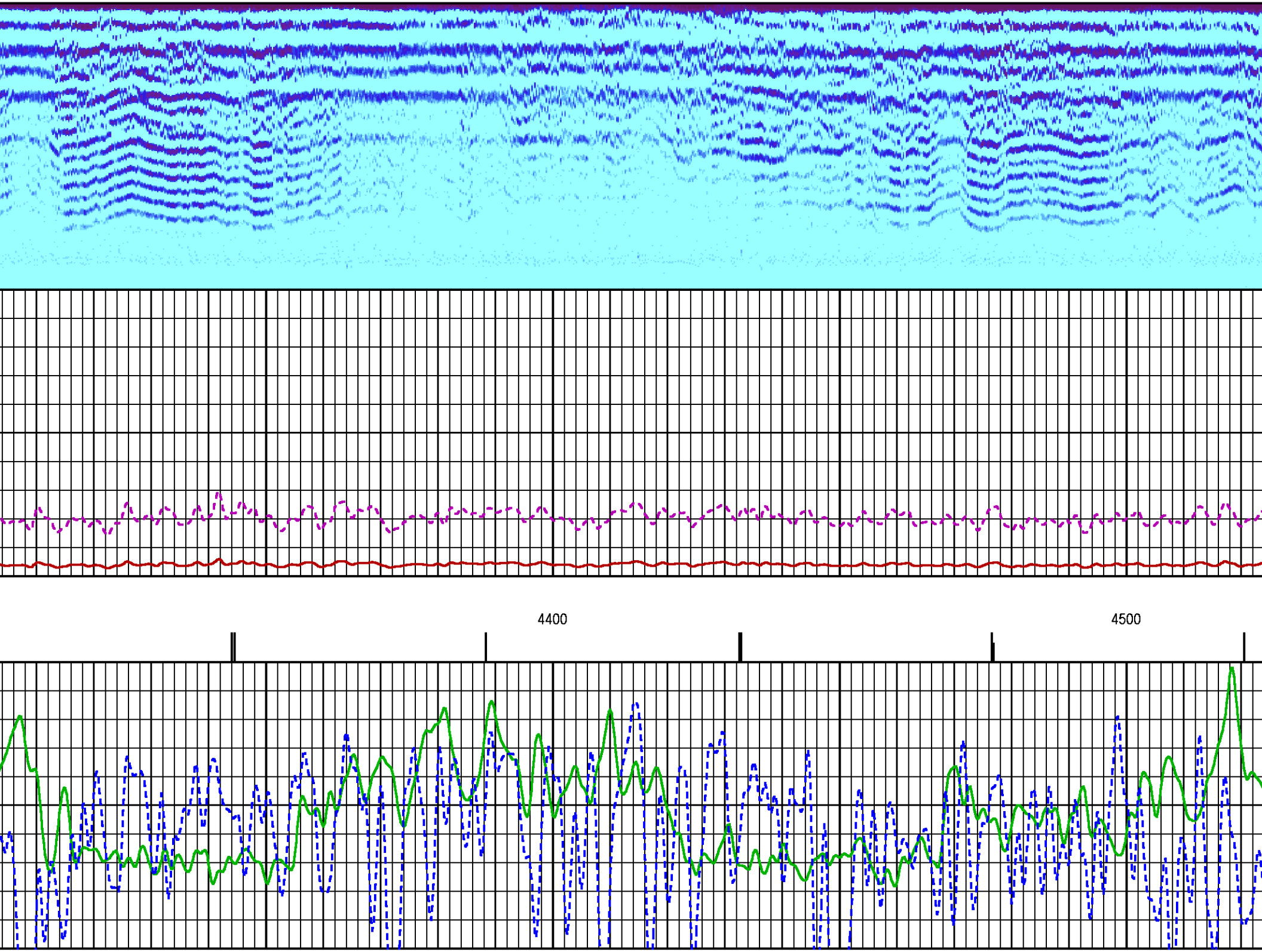

3300
3400

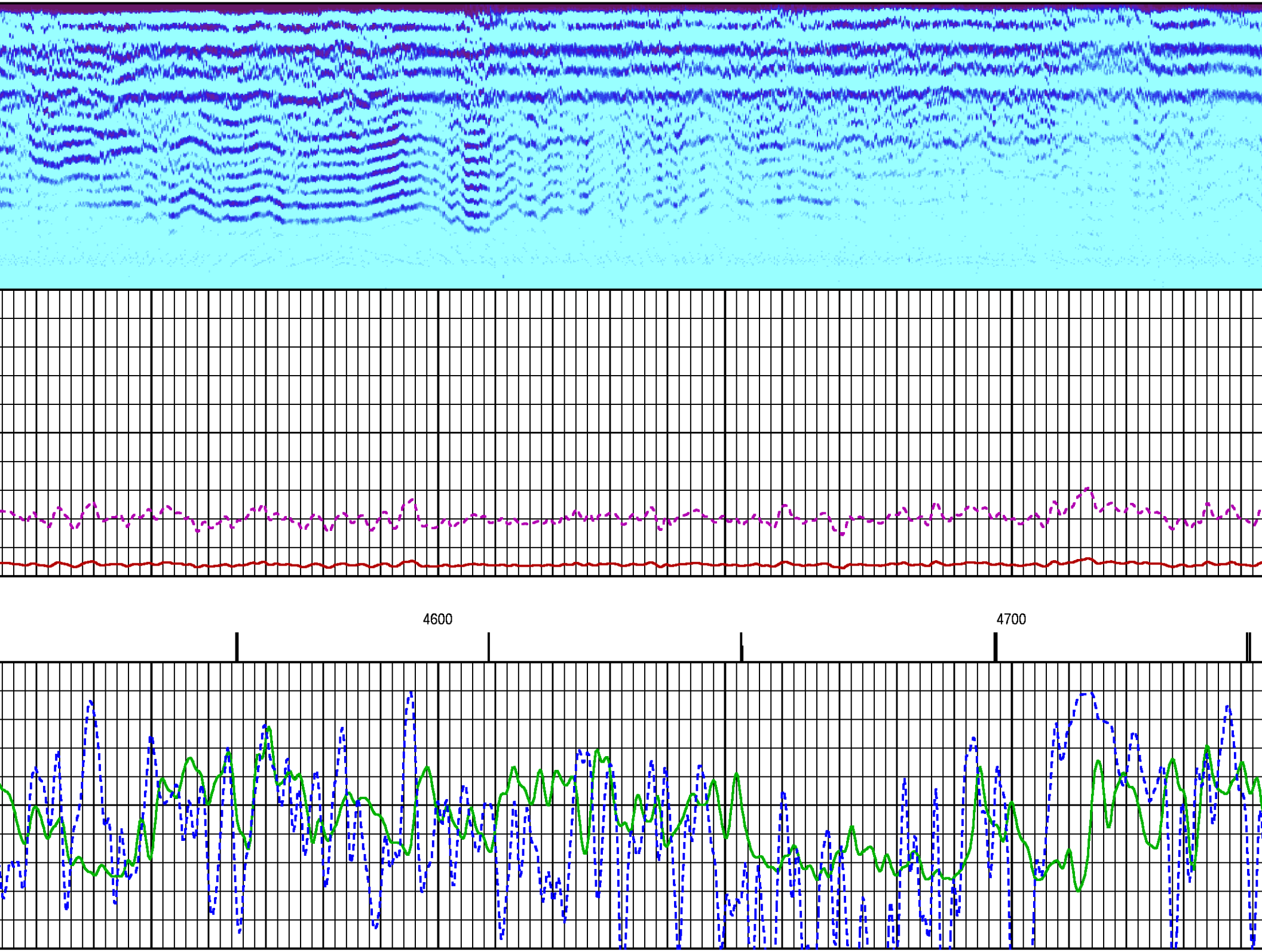

3500
3600

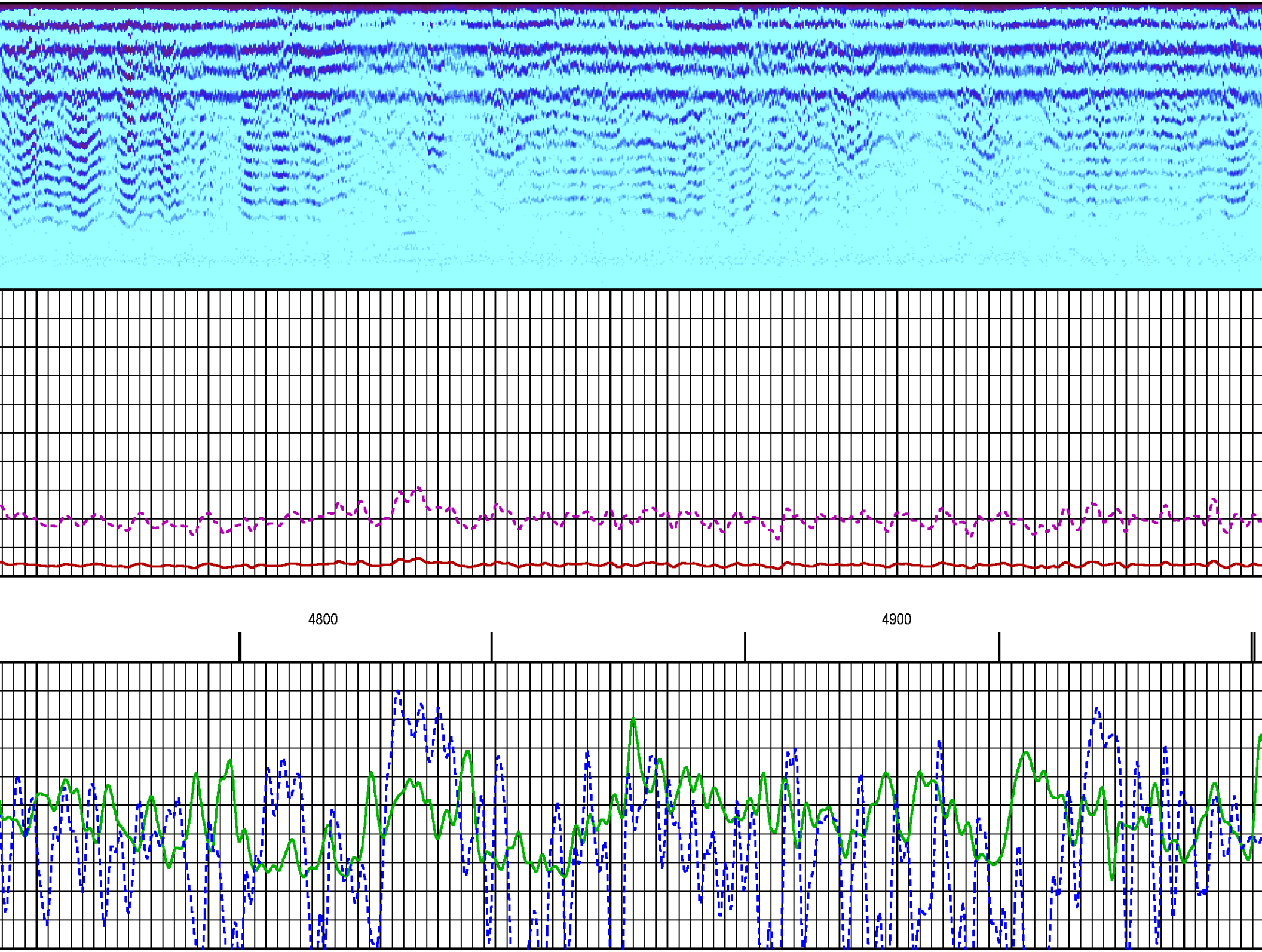

3700
3800


3900
4000


4100
4200
4300


4400
4500


4600
4700


4800
4900

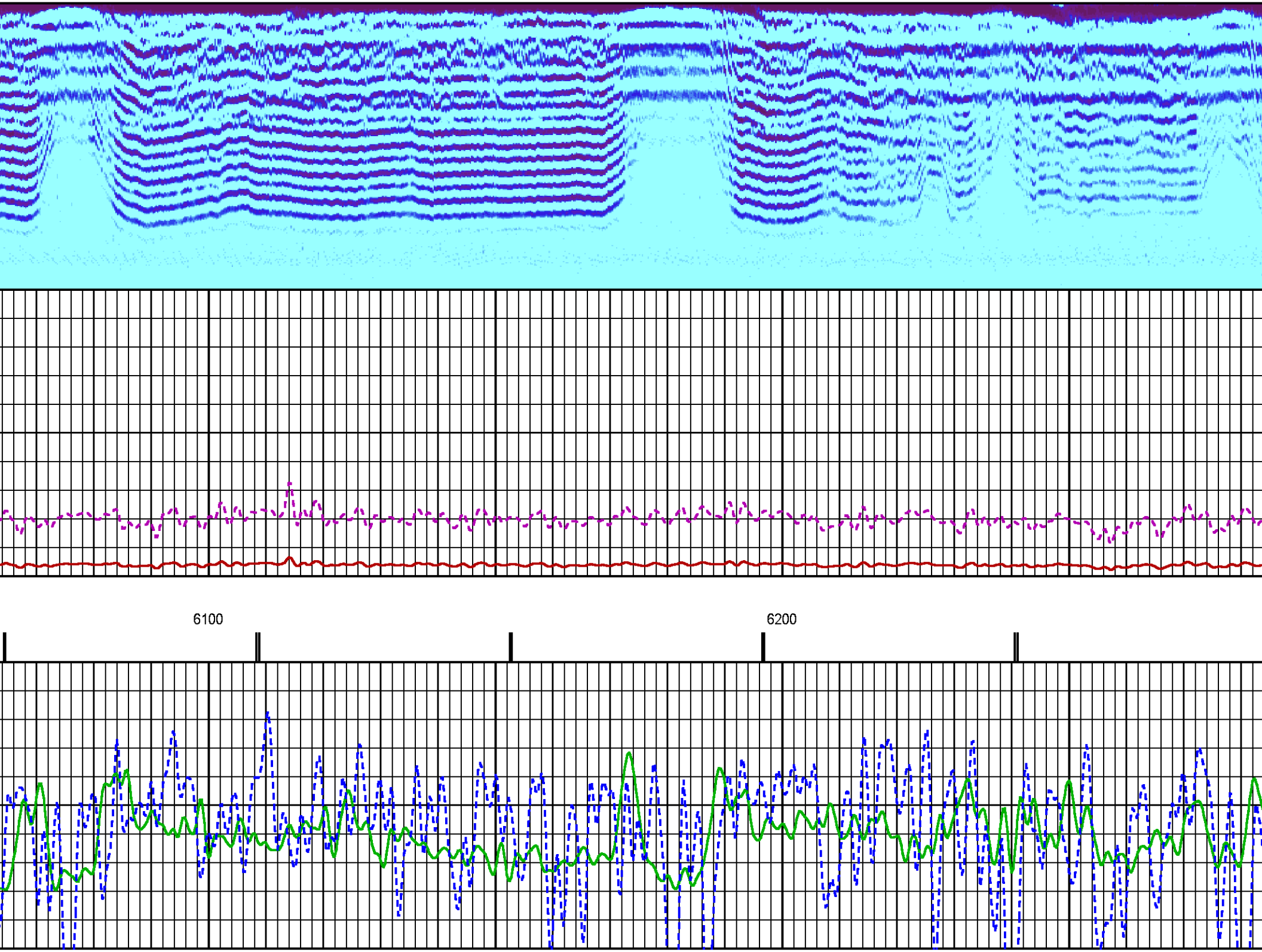
5000
5100

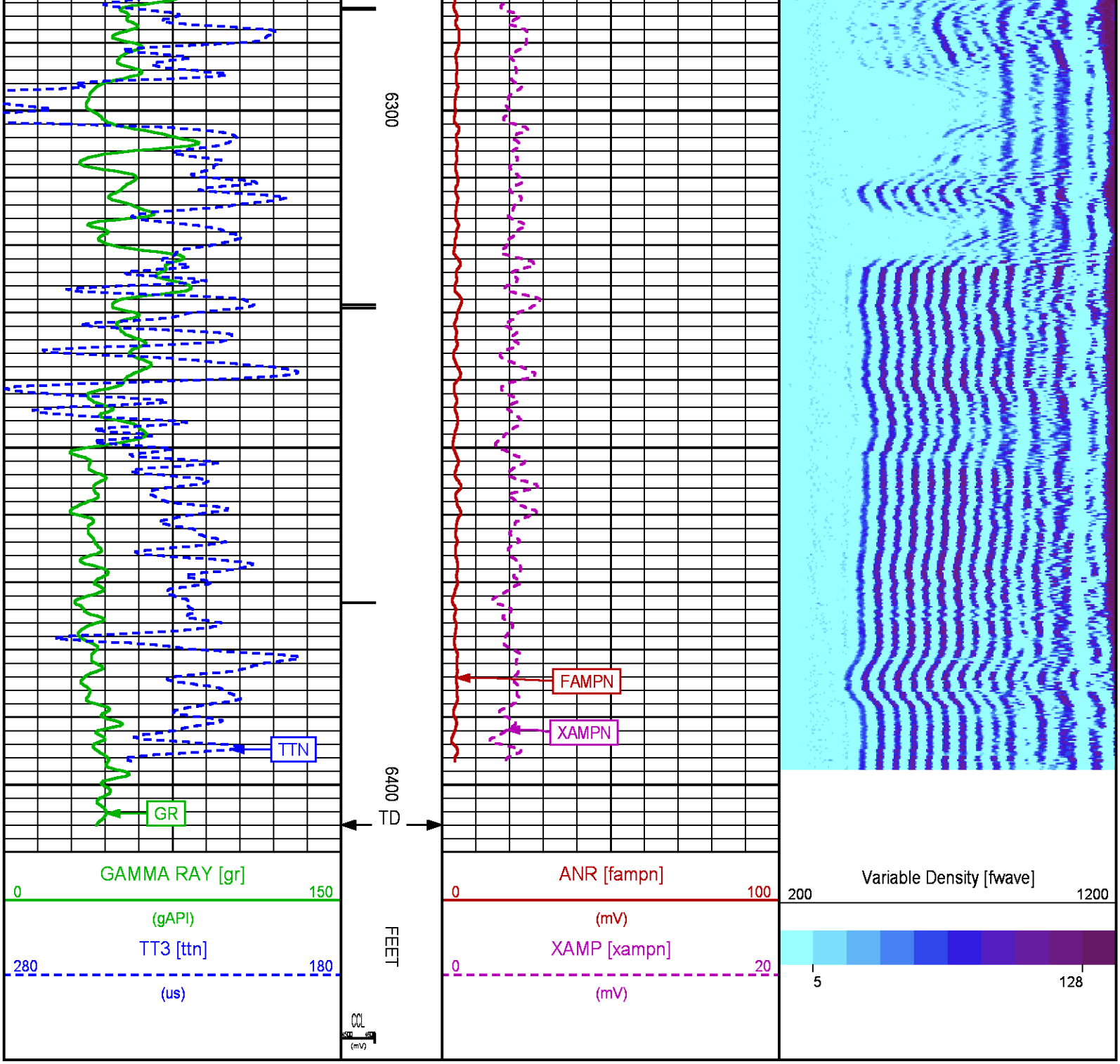
5200
5300
5400

5500
5600

5700
5800

5900
6000


6100
6200



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: Wed Dec 31 13:13:45 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\411-12\n012g02.prm

LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 25.750 ft BOTTOM DEPTH: 6404.723 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*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW START (fgp2*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW START (fgp3*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW START (fgp4*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW START (fgp5*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW START (fgp6*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW START (fgp7*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750

		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW START (fgp8*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW START (fgpn*)	182	us	TOP	2131.000
		183	us	2131.000	2134.000
		184	us	2134.000	2262.500
		185	us	2262.500	2265.250
		186	us	2265.250	2265.500
		187	us	2265.500	2265.750
		188	us	2265.750	2268.500
		238	us	2268.500	2269.250
		188	us	2269.250	2270.000
		138	us	2270.000	2271.250
		188	us	2271.250	BOTTOM
	AMP WINDOW LENGTH	25	us	TOP	BOTTOM
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	182	us	TOP	2248.750
		183	us	2248.750	2249.000
		184	us	2249.000	2249.250
		185	us	2249.250	2249.500
		186	us	2249.500	2249.750
		187	us	2249.750	BOTTOM
	TT WINDOW LENGTH	500	us	TOP	BOTTOM
	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	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE AMP REC 8	80	mV	"	"
RAL FULL BOND AMPLITUDE	FULL BOND AMP REC 1	2	mV	"	"
	FULL BOND AMP REC 2	2	mV	"	"
	FULL BOND AMP REC 3	2	mV	"	"
	FULL BOND AMP REC 4	2	mV	"	"
	FULL BOND AMP REC 5	2	mV	"	"
	FULL BOND AMP REC 6	2	mV	"	"
	FULL BOND AMP REC 7	2	mV	"	"
	FULL BOND AMP REC 8	2	mV	"	"

CURVE DESCRIPTION REPORT

CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE T-R1
F1:AR2	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE T-R2
F1:AR3	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE T-R3
F1:AR4	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE T-R4
F1:AR5	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE T-R5
F1:AR6	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE T-R6
F1:AR7	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE T-R7
F1:AR8	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE T-R8
F1:CCL	Dec 31 10:01:04 2014	CASING COLLAR LOCATOR

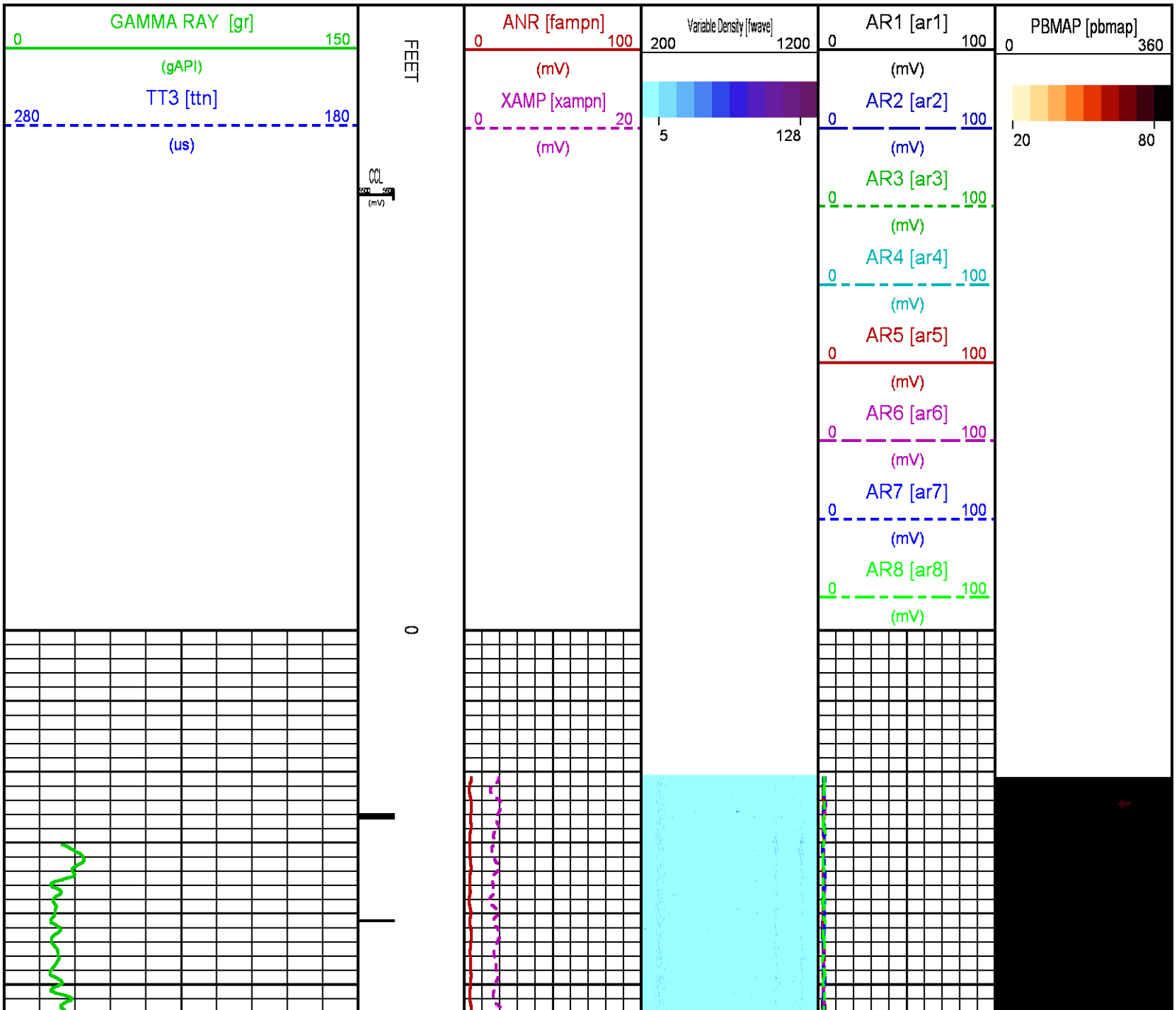
F1:FAMPN	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 31 10:01:04 2014	FAR WAVE FORM
F1:GR	Dec 31 10:01:04 2014	GAMMA RAY
F1:PBMAP	Dec 31 10:01:04 2014	PERCENT BOND CEMENT MAP
F1:TTN	Dec 31 10:01:04 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 31 10:01:04 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

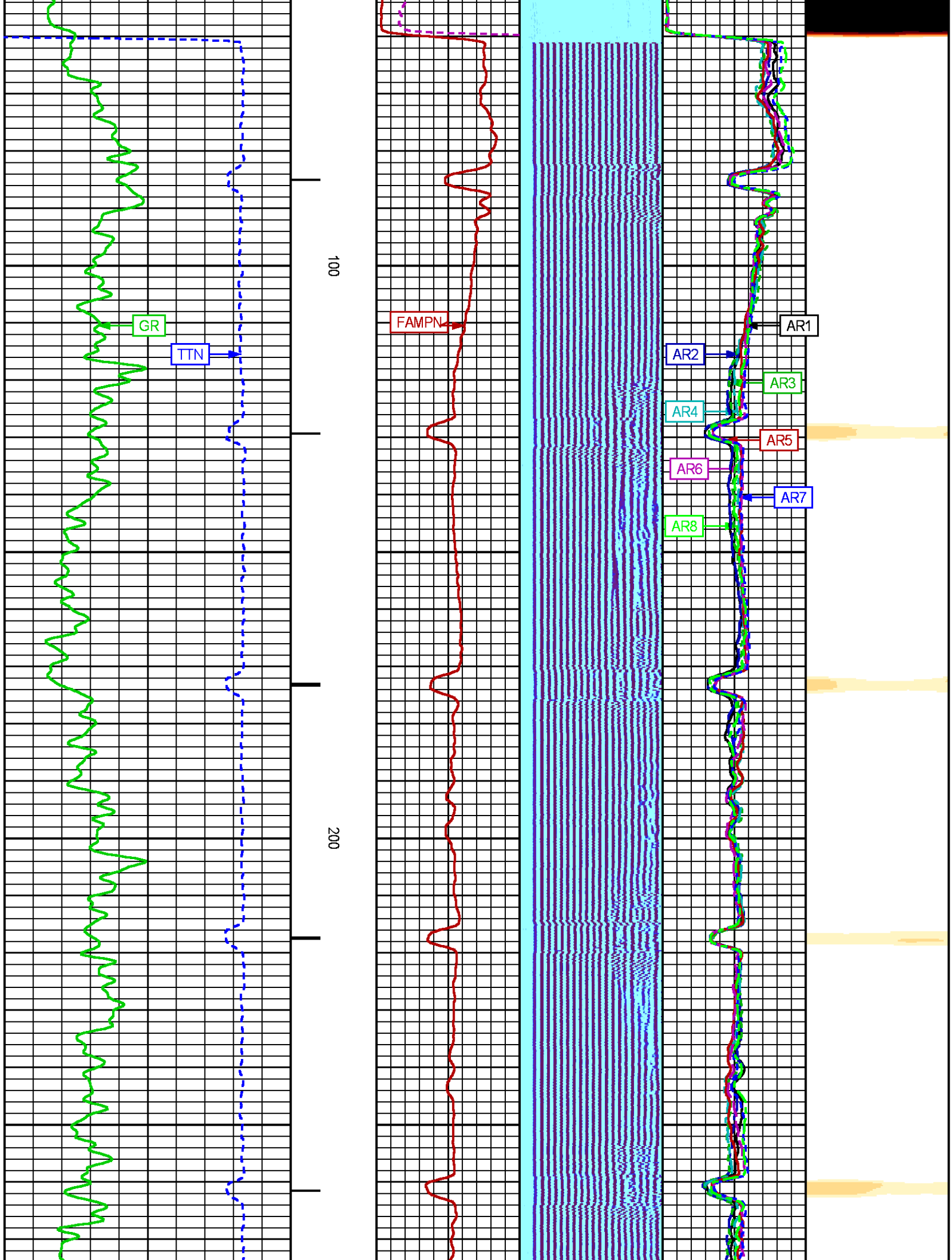
CURVE MEASURE POINT OFFSET

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\411-12\411_CBL_SECONDARY.fvpdf [5"/100' Scale]
Plot Interval : 0 - 6415 Feet

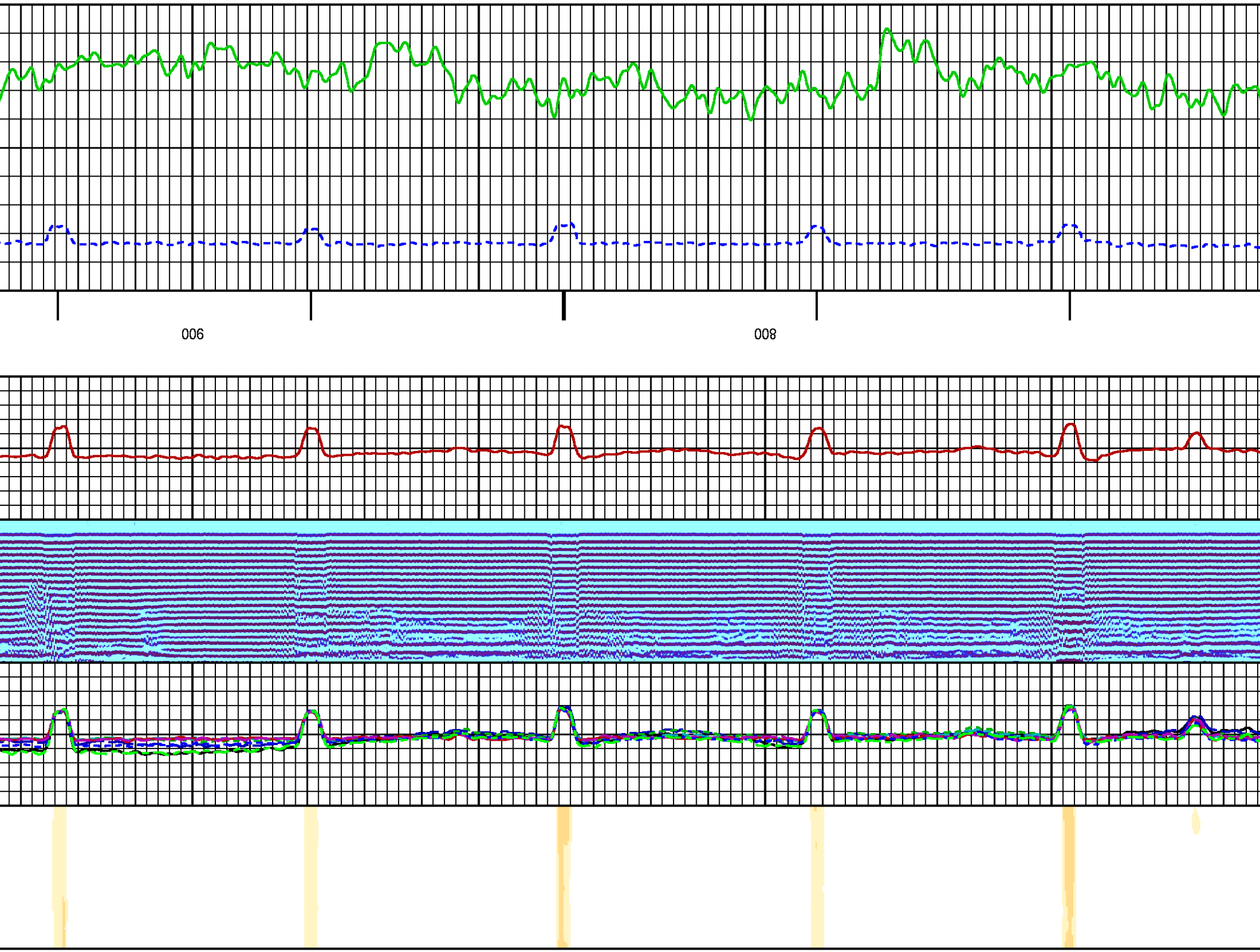
Data File 1 : F1 : BHUGHES-06627:C:\dat1a\411-12\411_CBL_MAIN.xtf
Created On : Dec 31 10:01:04 2014
Company : WPX ENERGY
Well : GM 411-12
Field : GRAND VALLEY
File Interval : 19.5 - 6409 Feet
OCT : n012g




GR
TTN
FAMPN
AR1
AR2
AR3
AR4
AR5
AR6
AR7
AR8
100
200

300
400

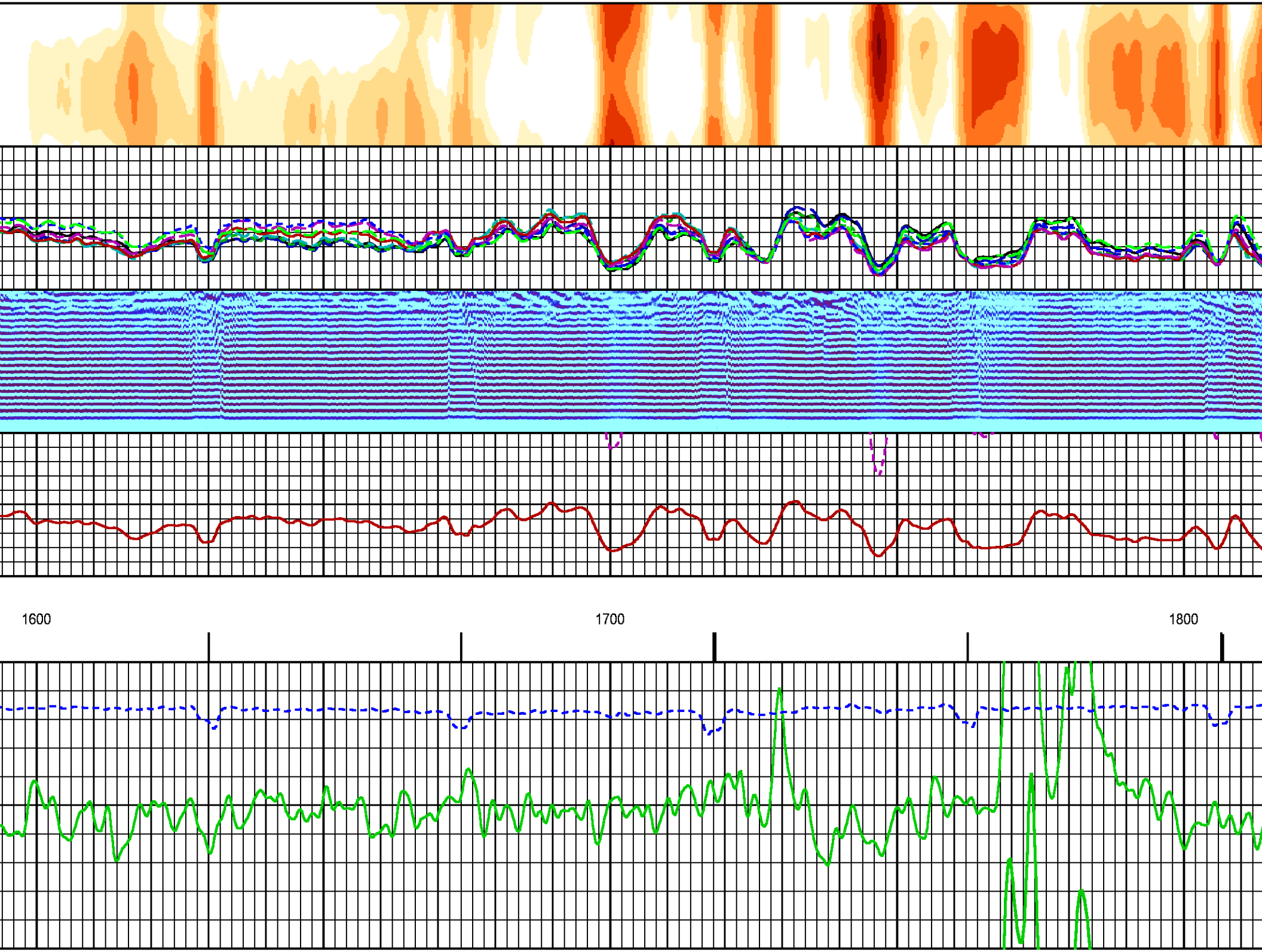
500
600
700

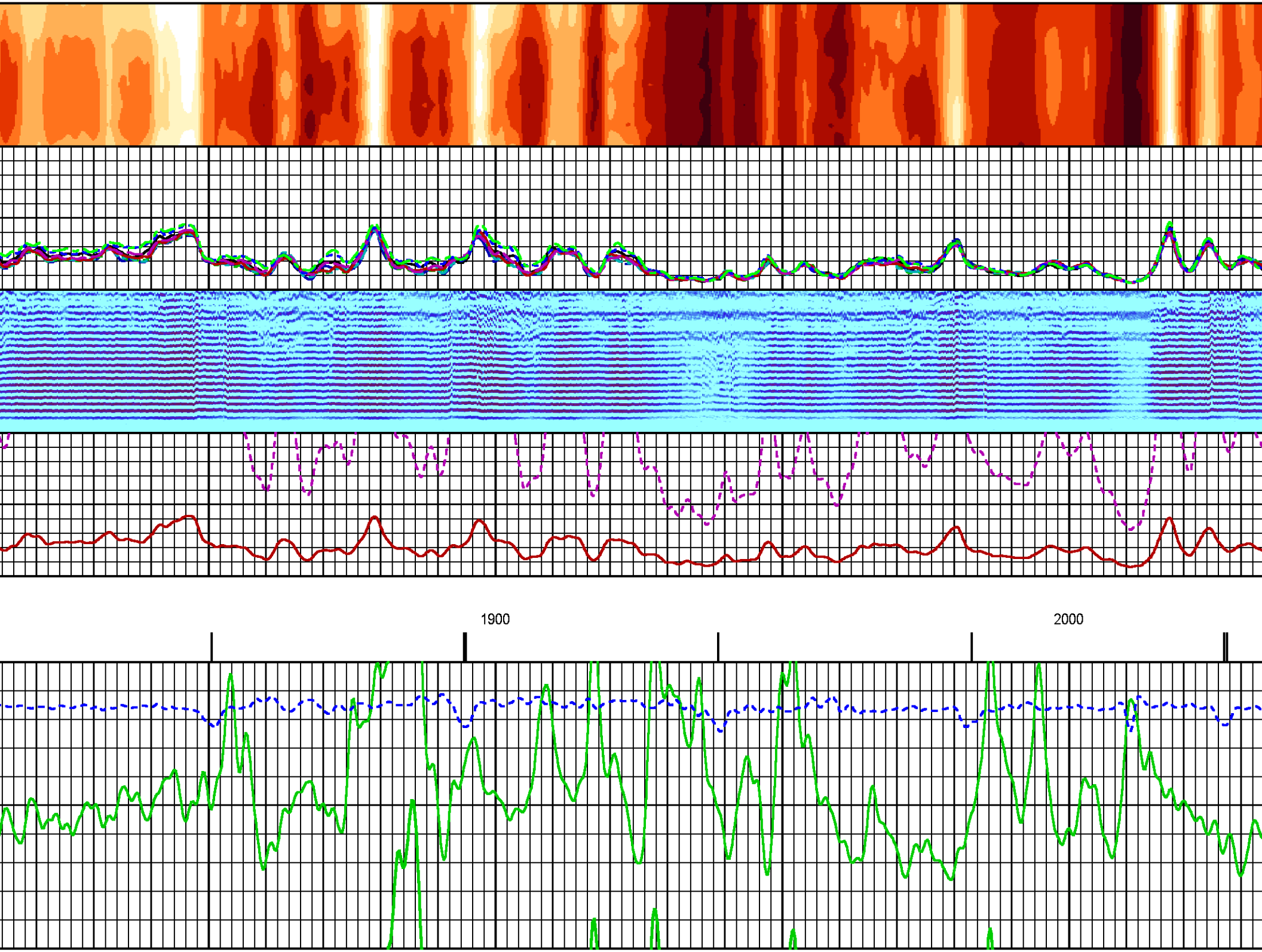

006
008

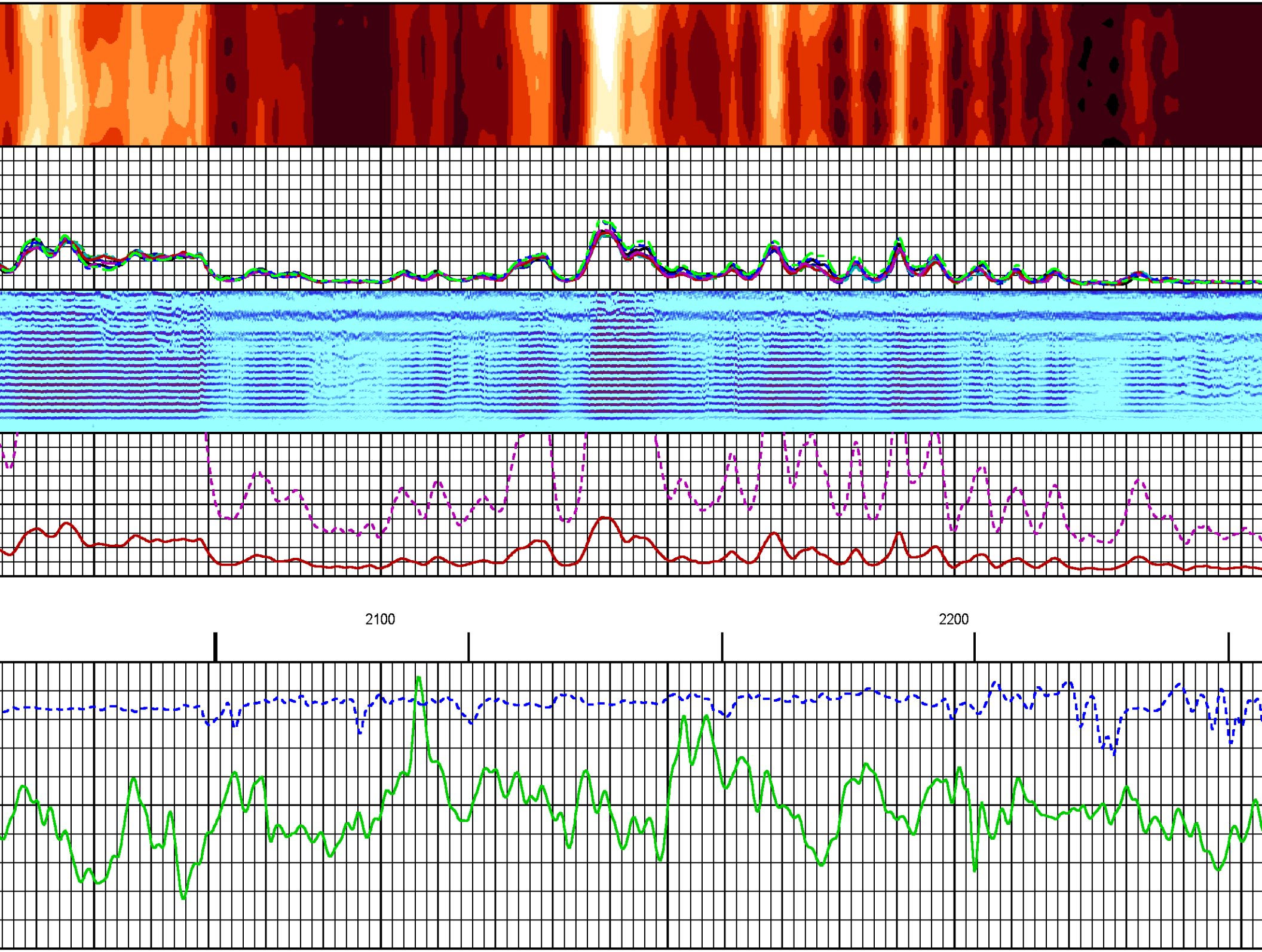
1000
1100

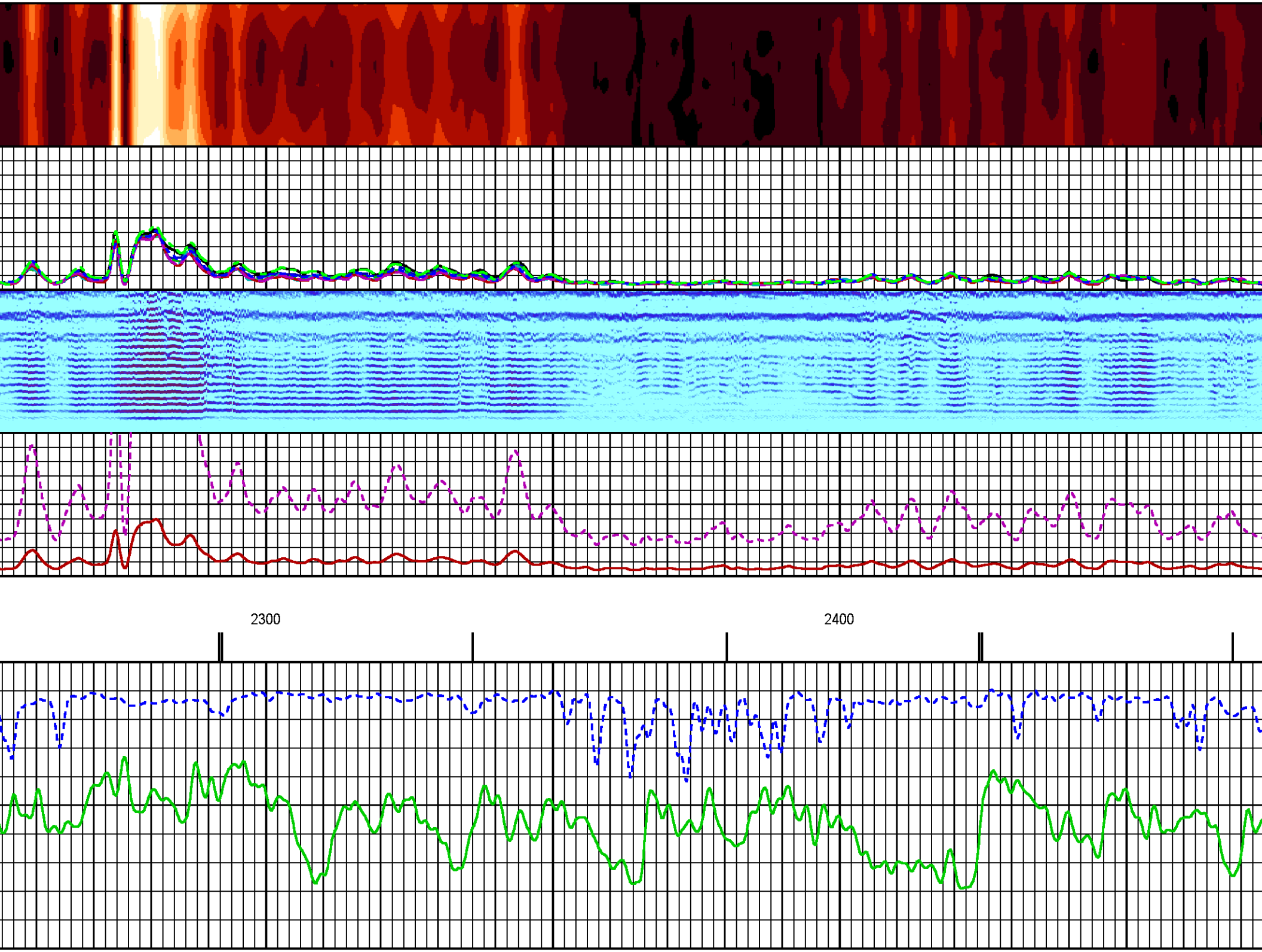
1200
1300

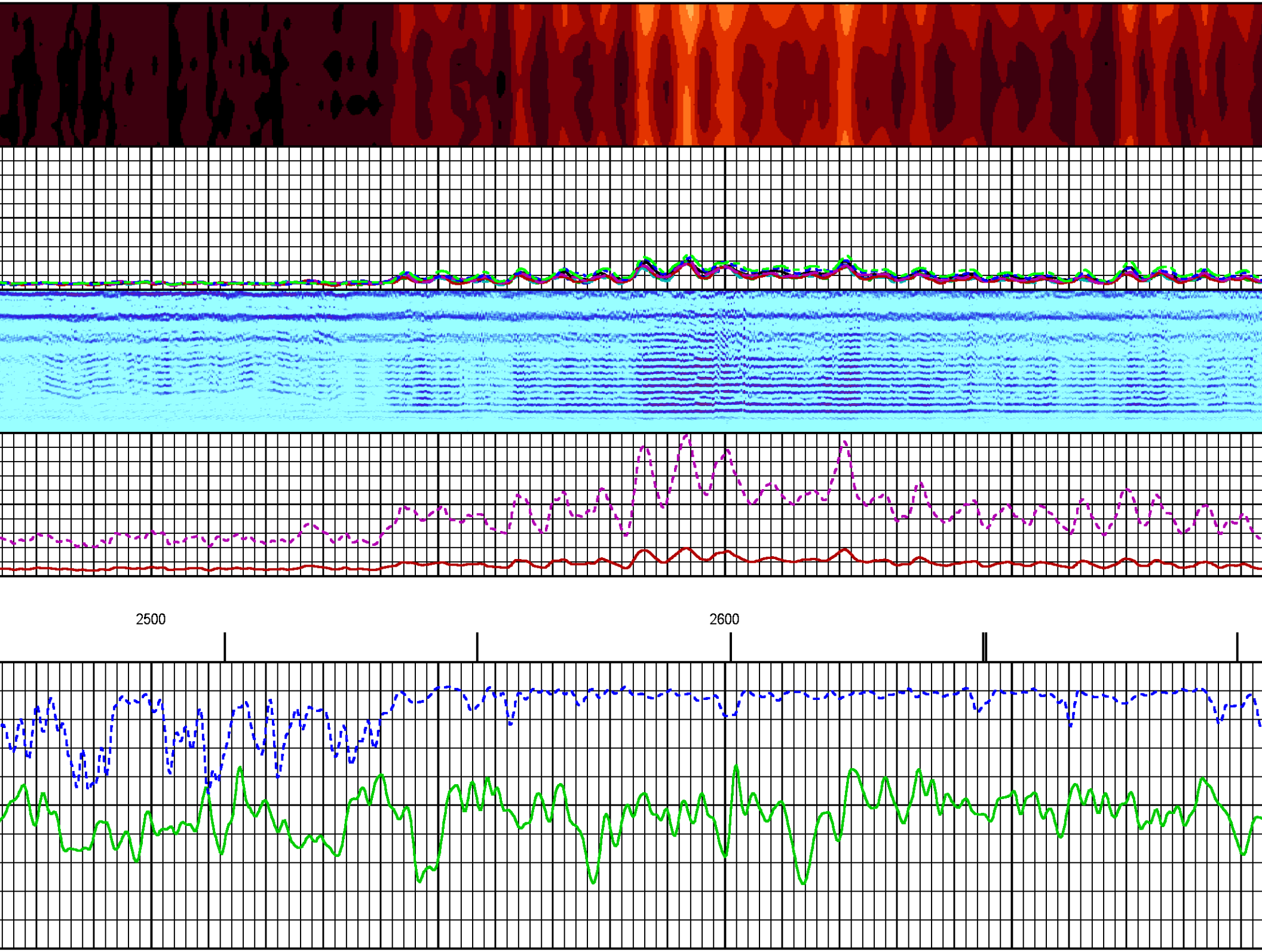
1400
1500

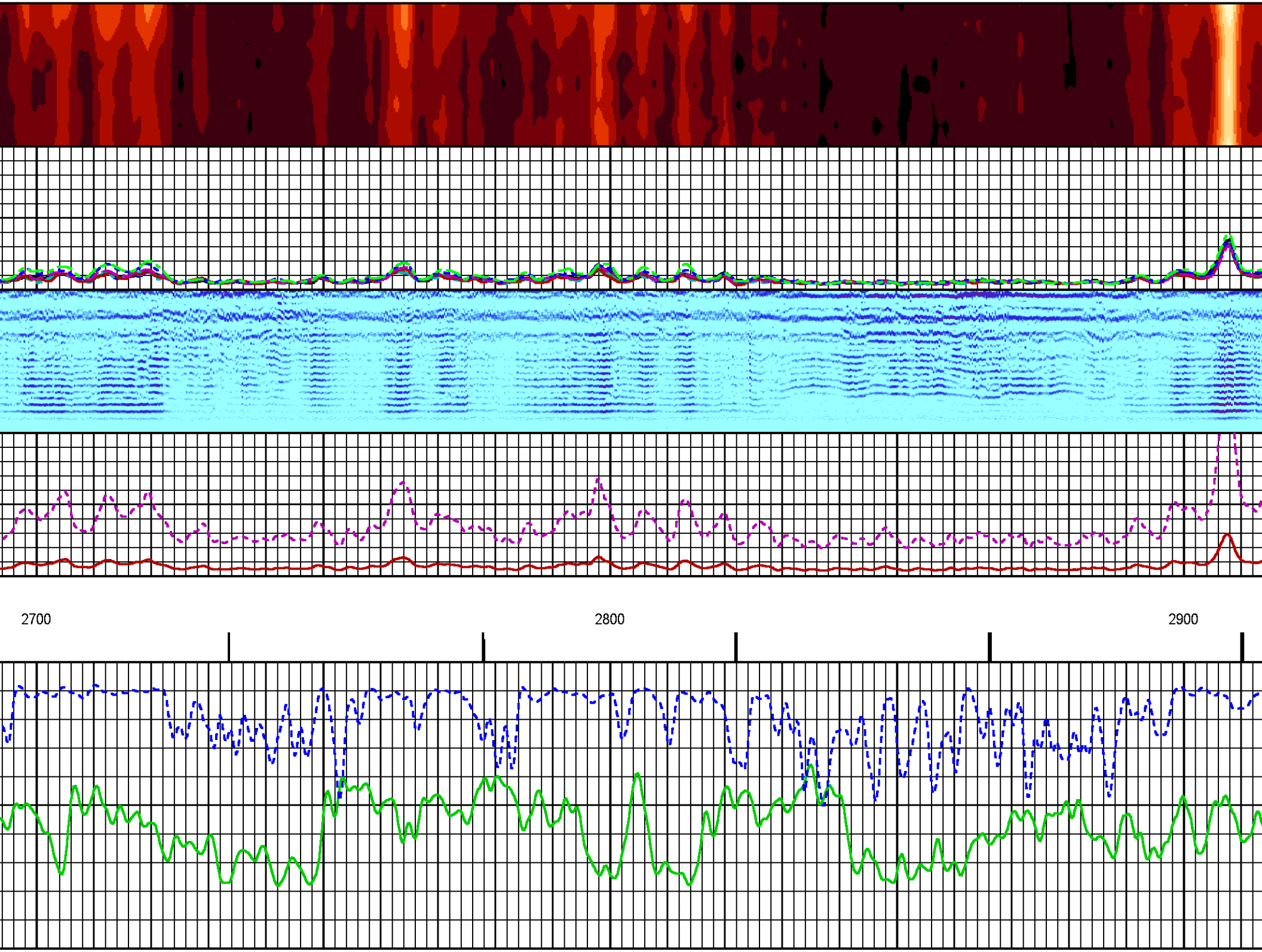

1600
1700
1800

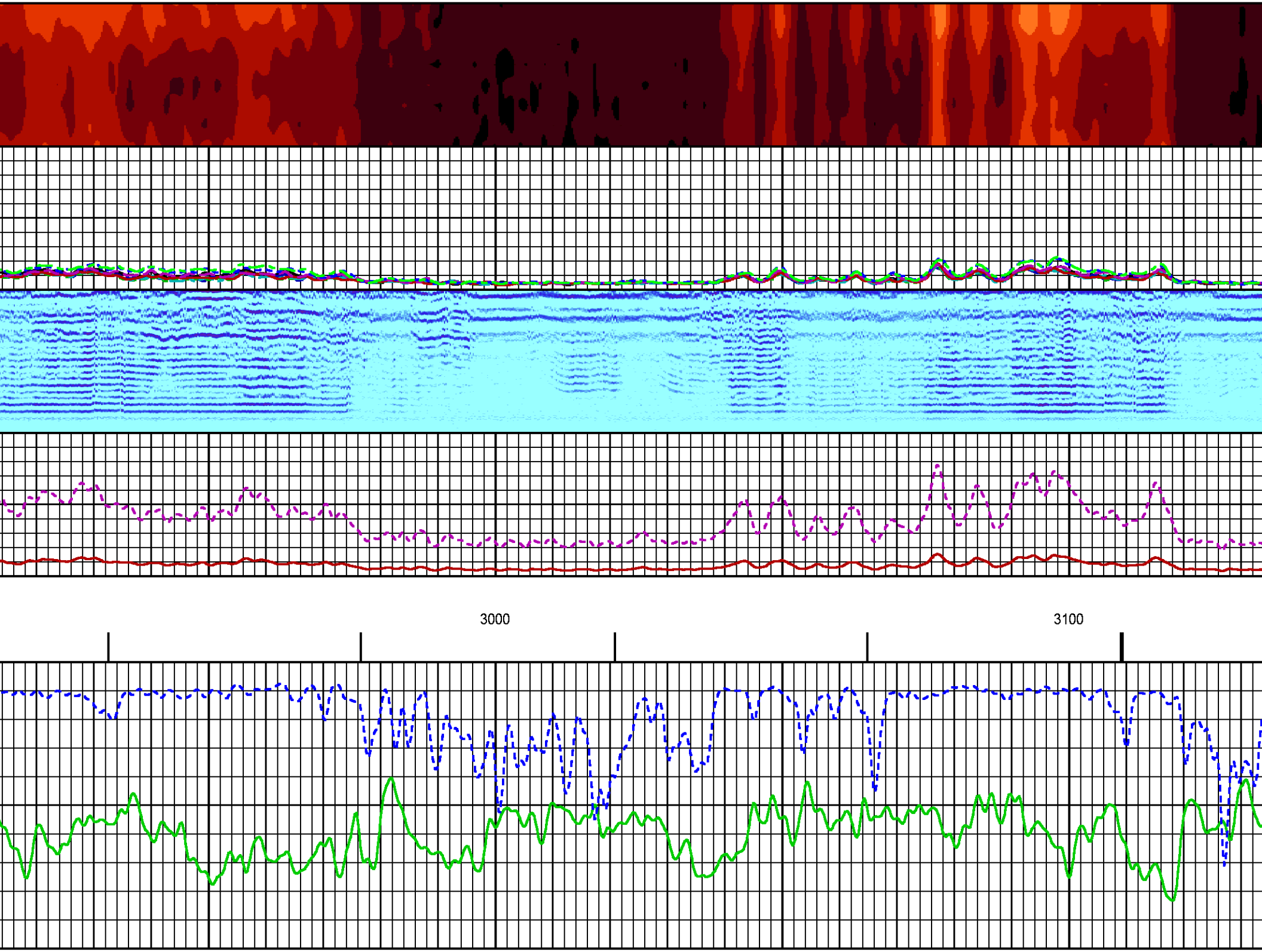

1900
2000

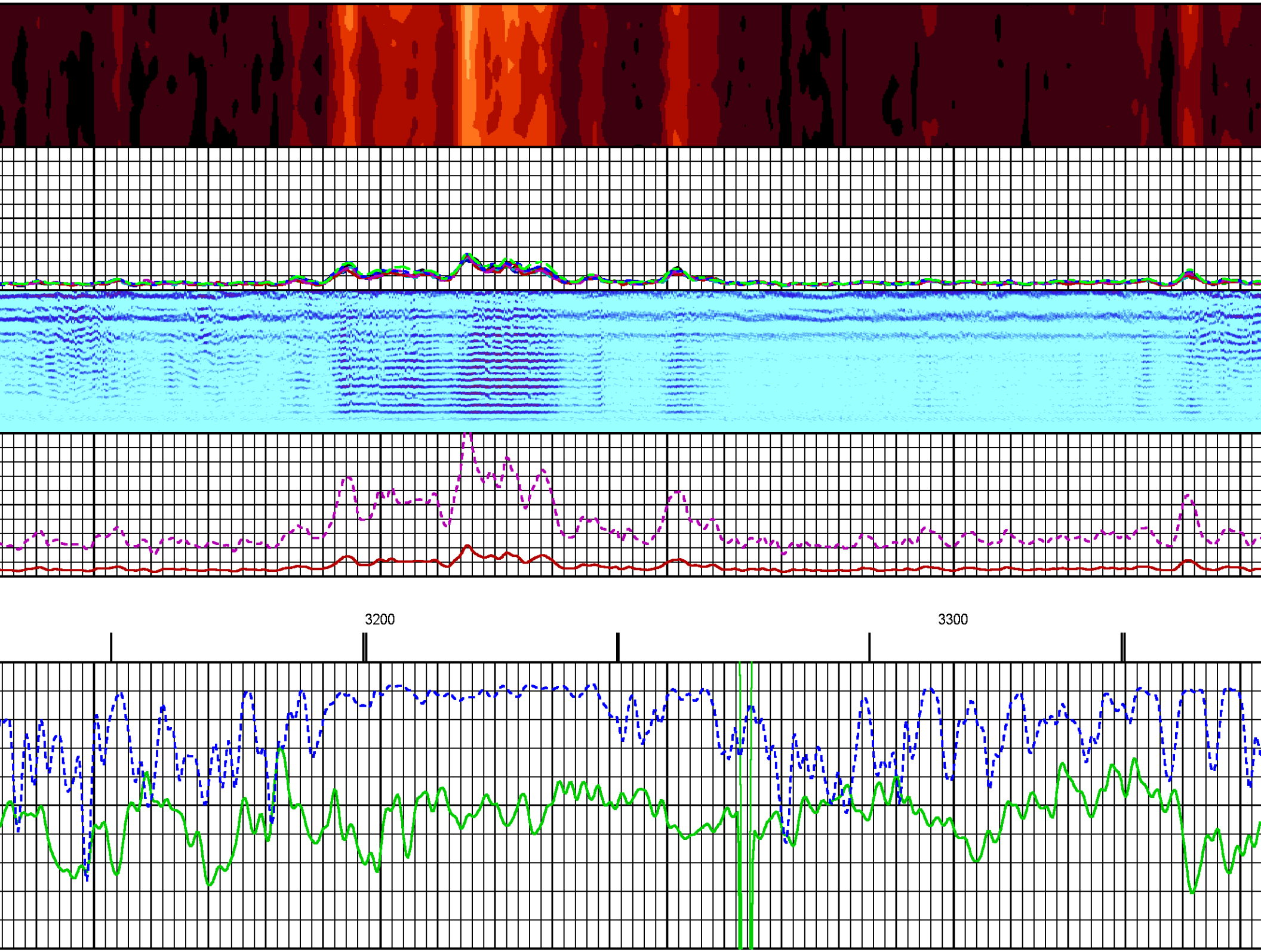

2100
2200

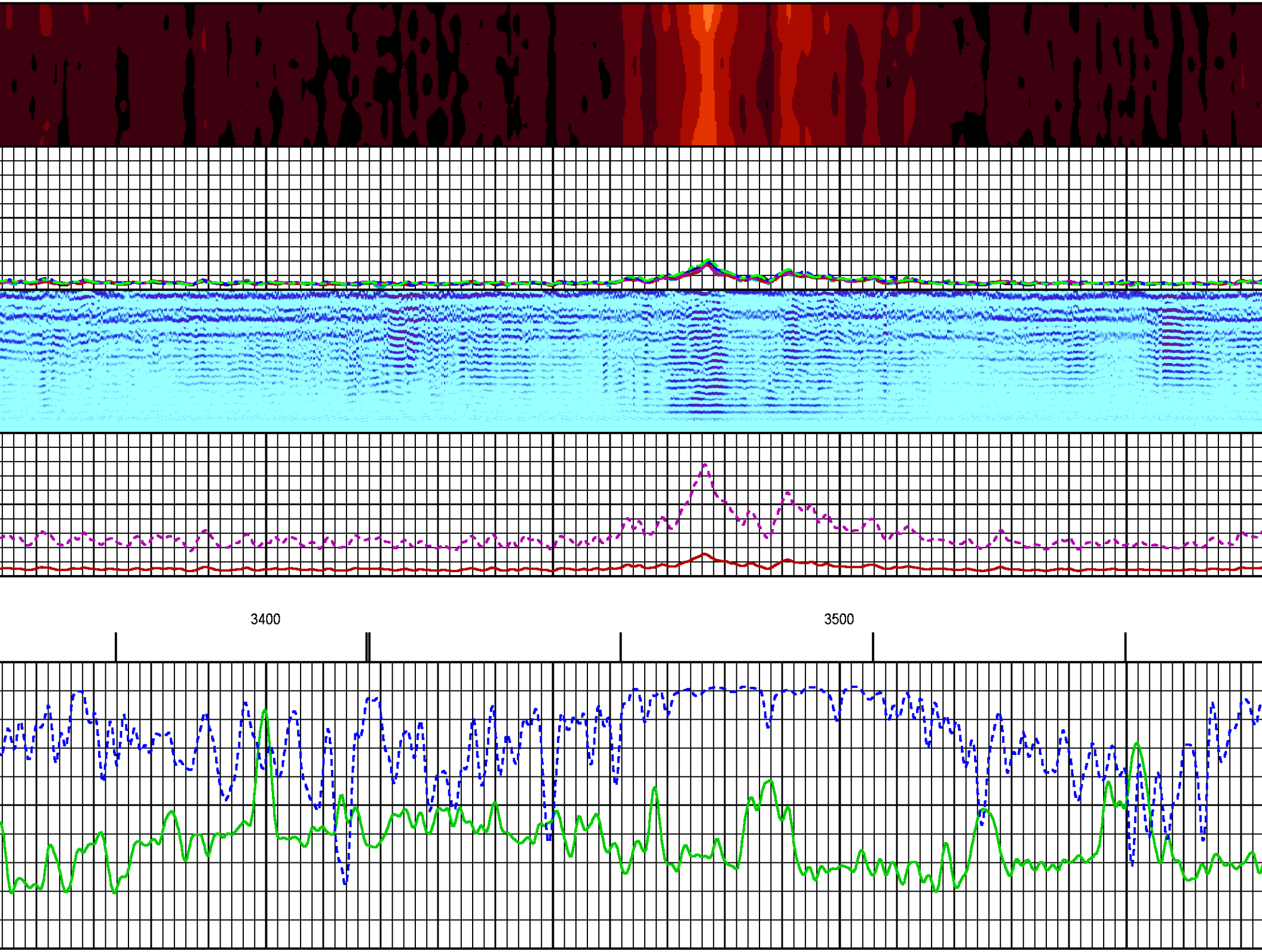

2300
2400

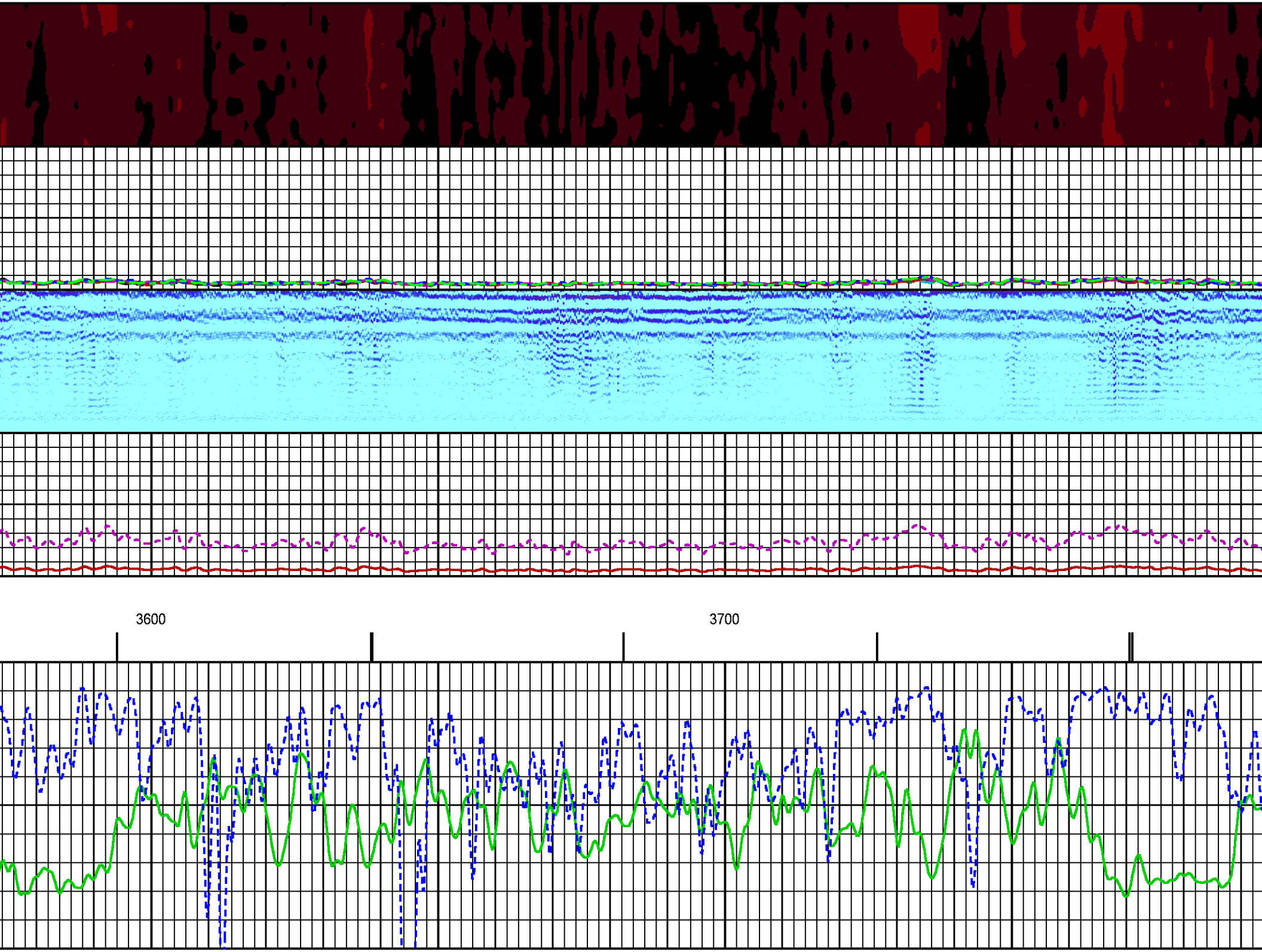

2500
2600

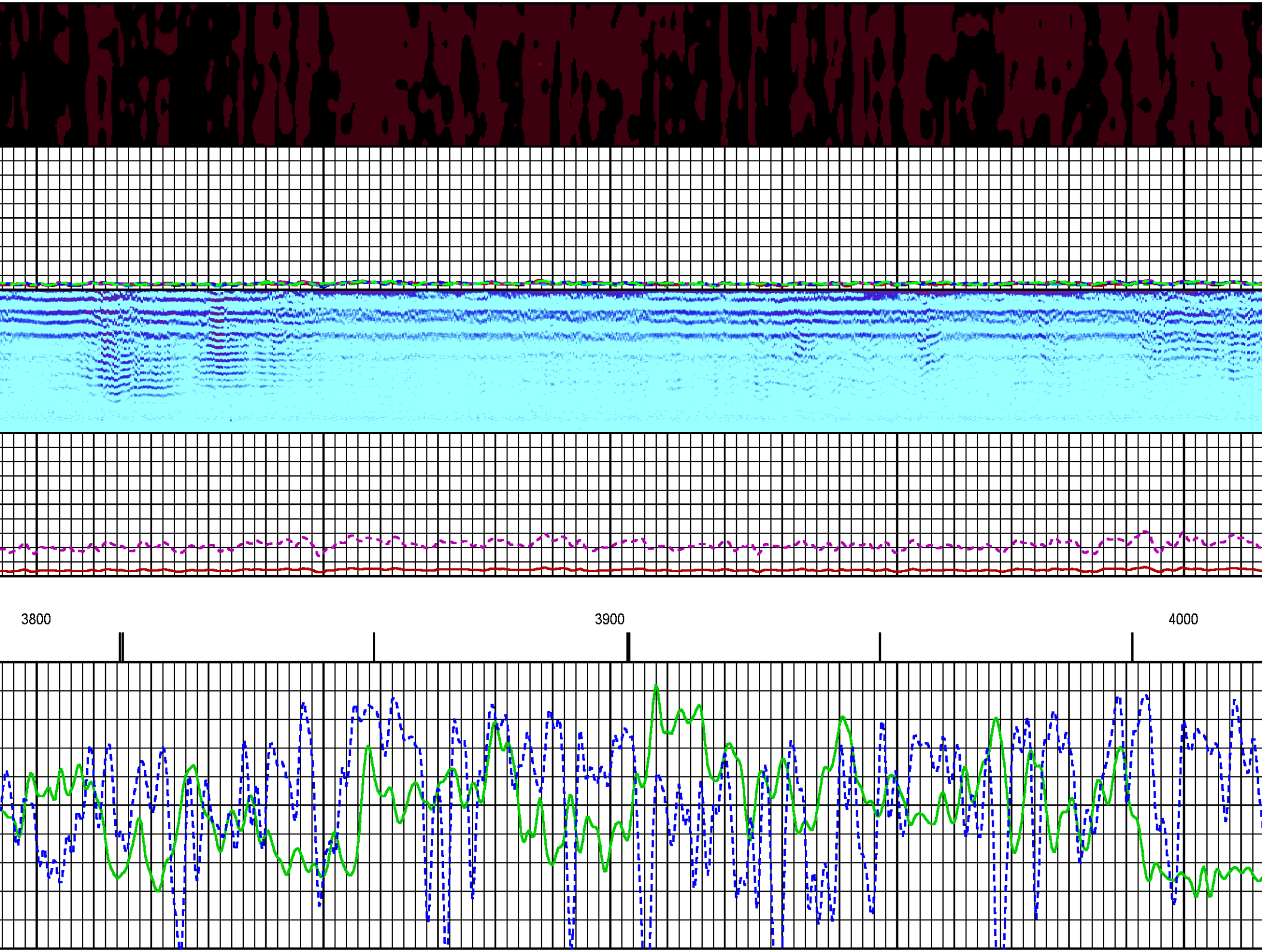

2700
2800
2900

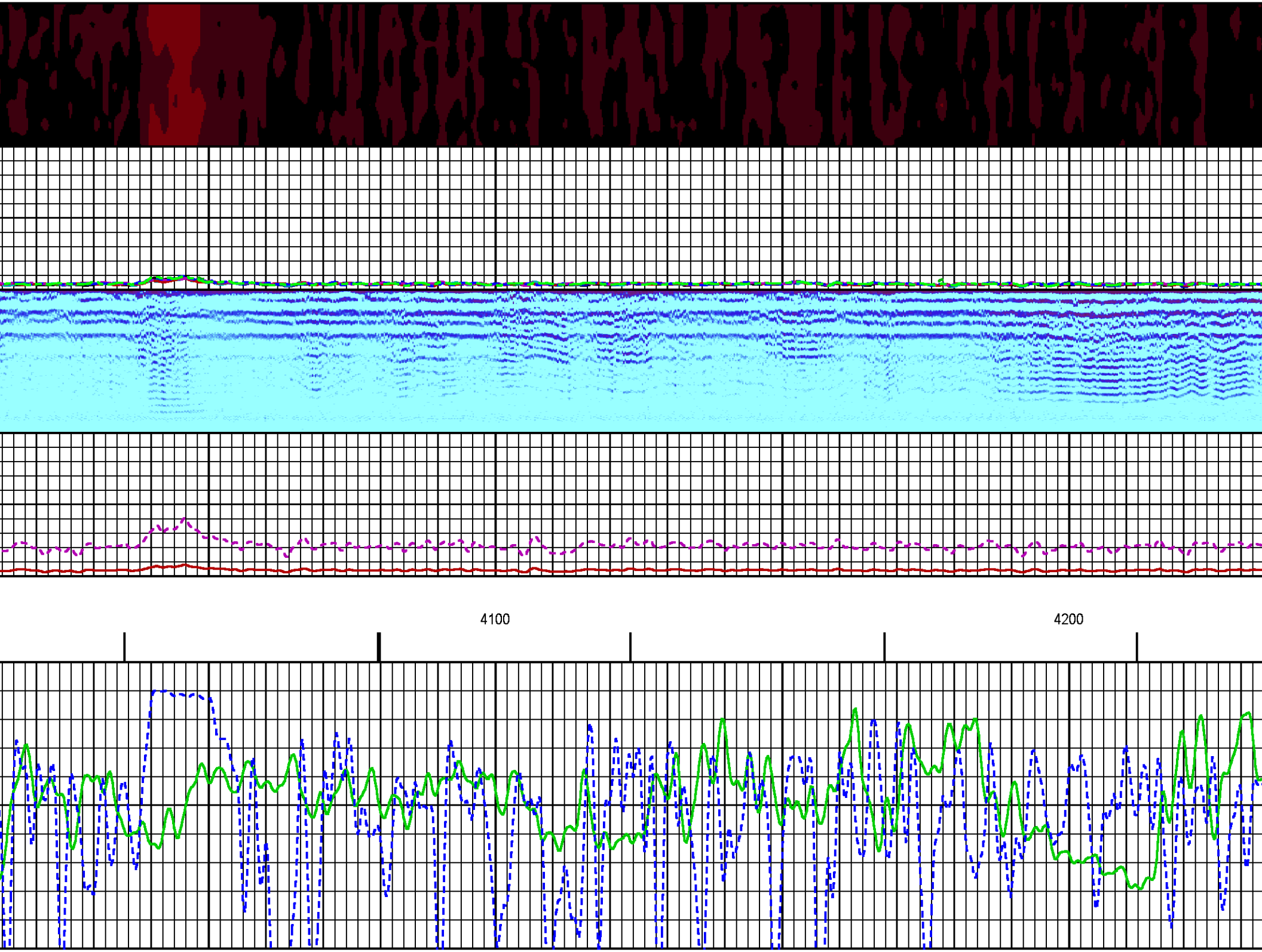

3000
3100

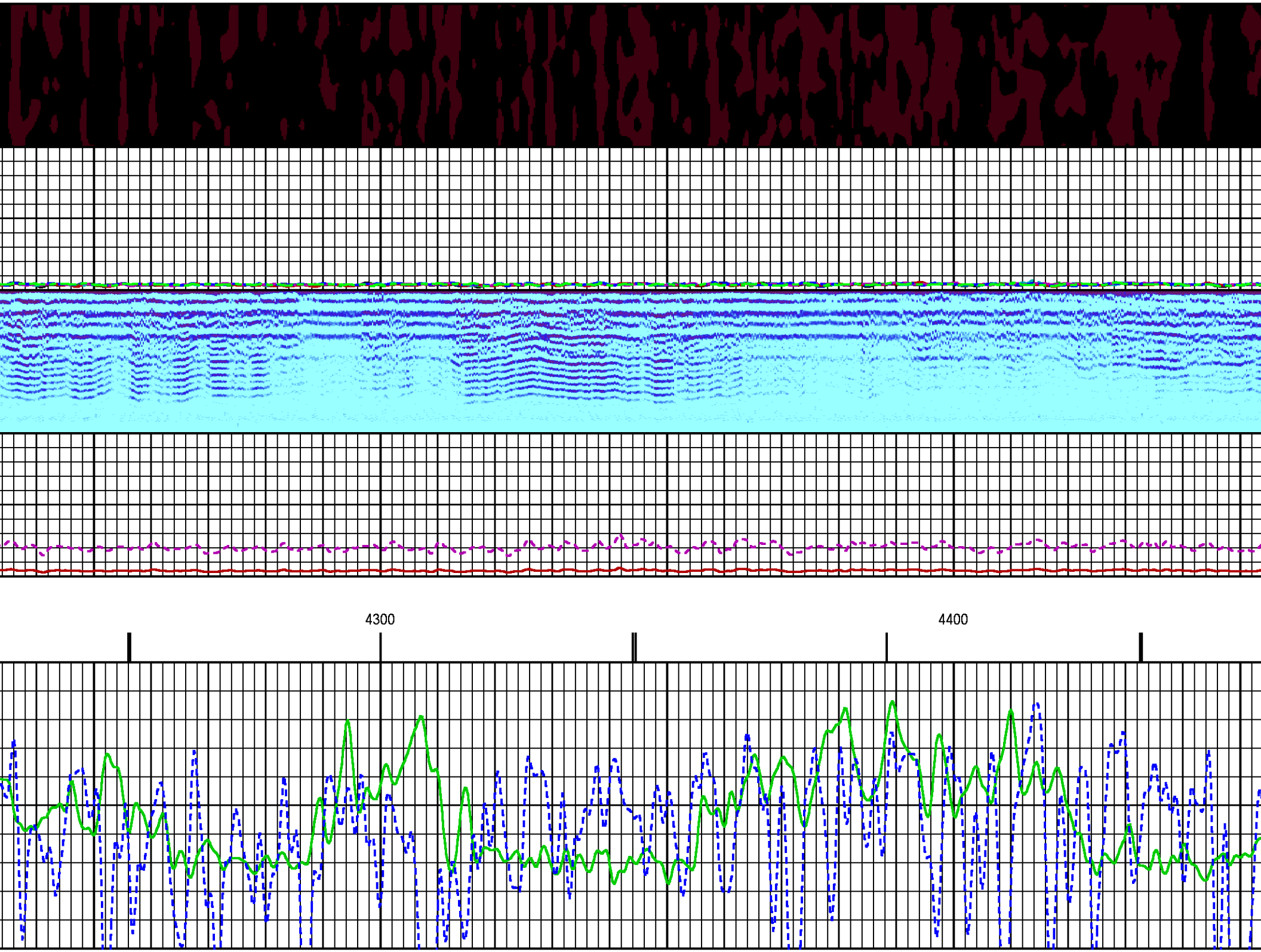

3200
3300

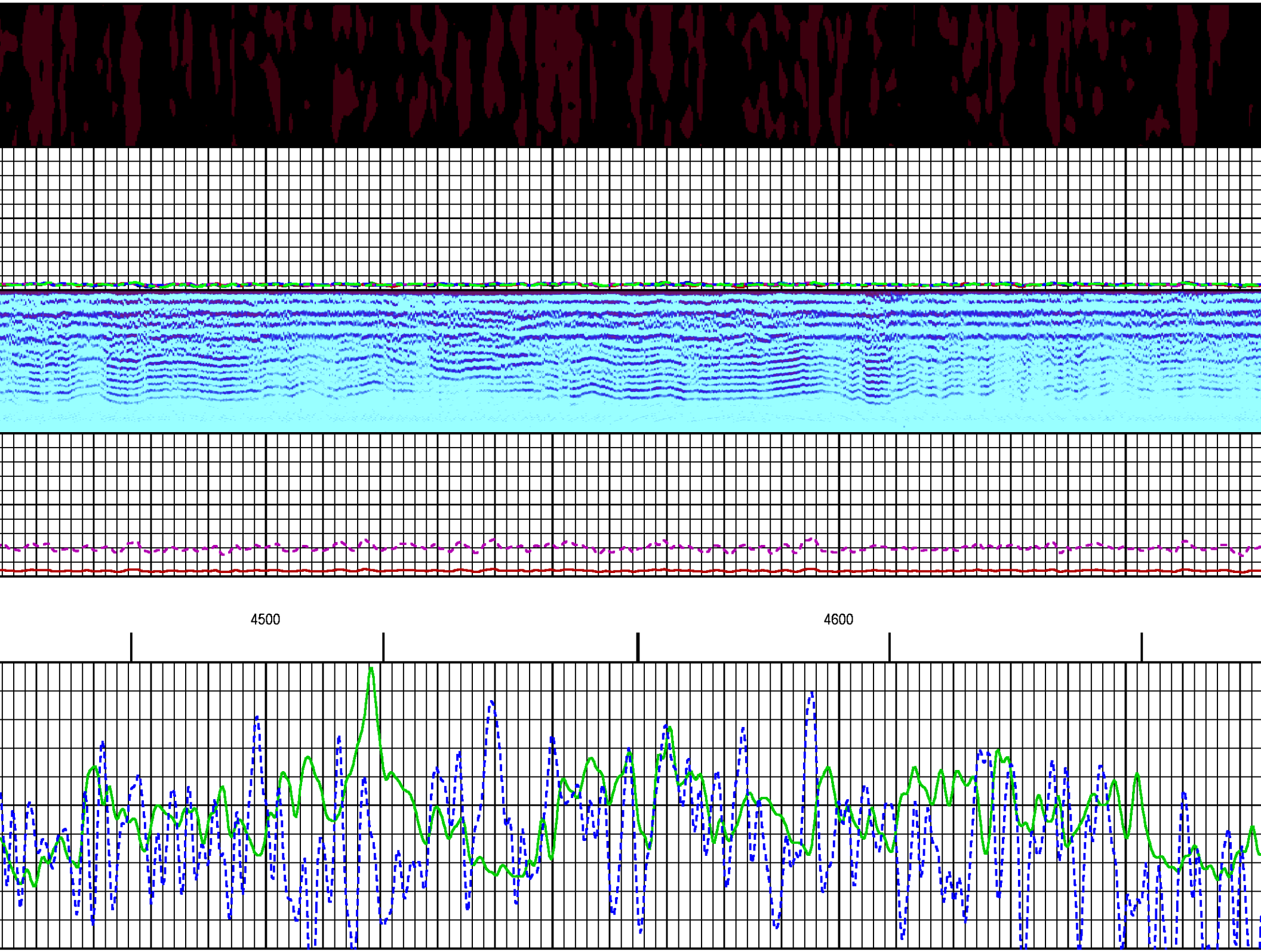

3400
3500

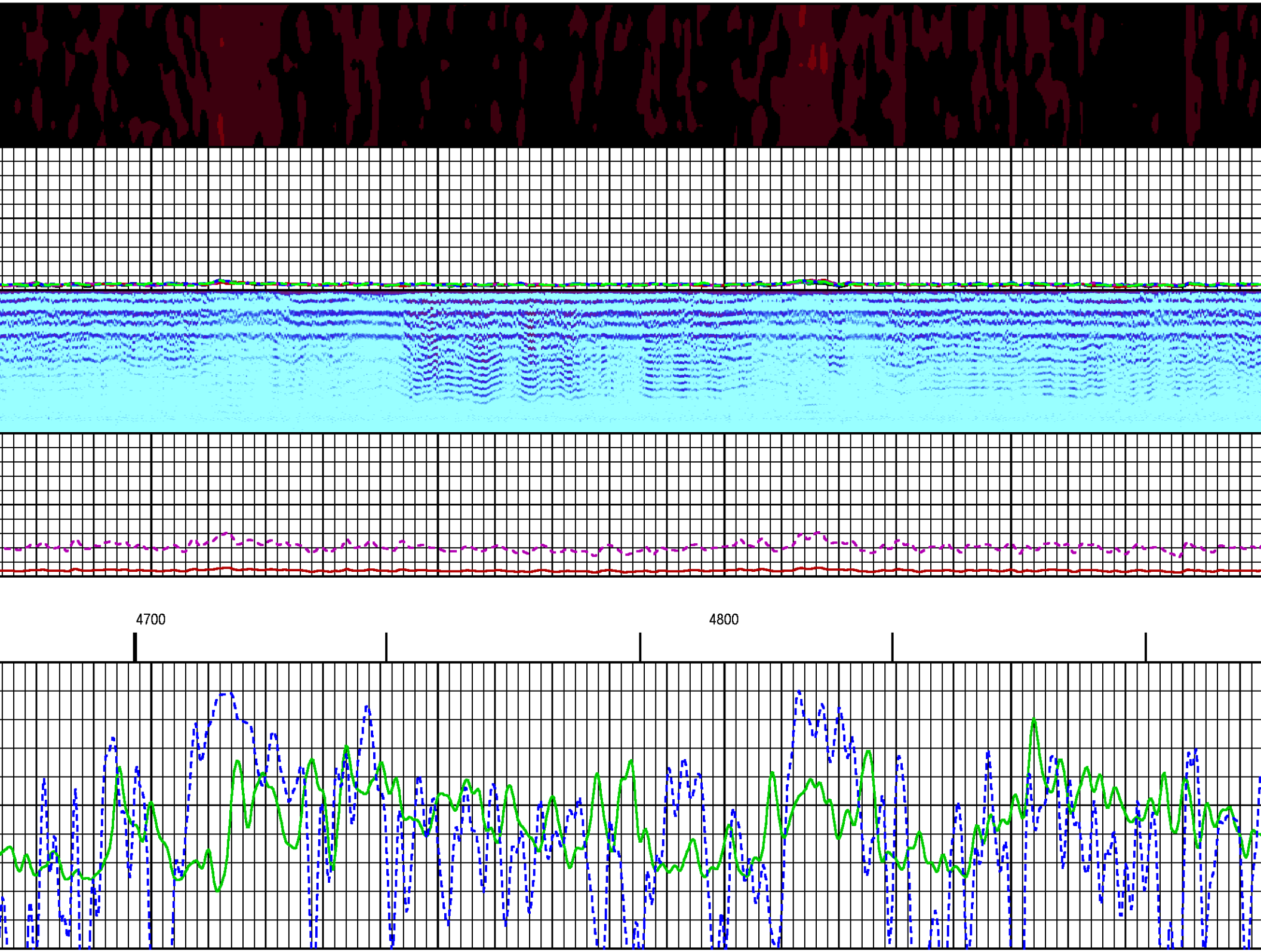

3600
3700


3800
3900
4000

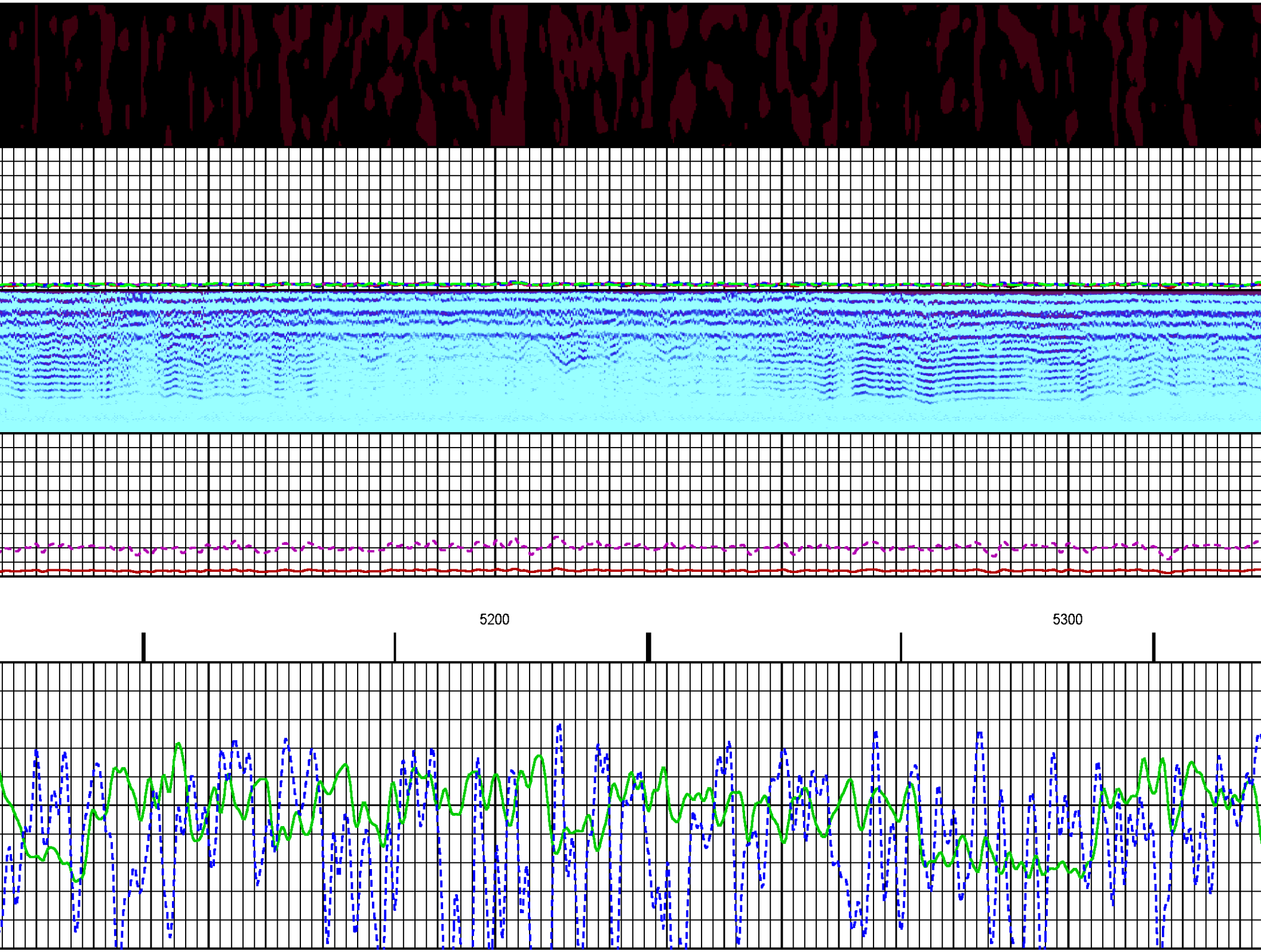

4100
4200


4300
4400

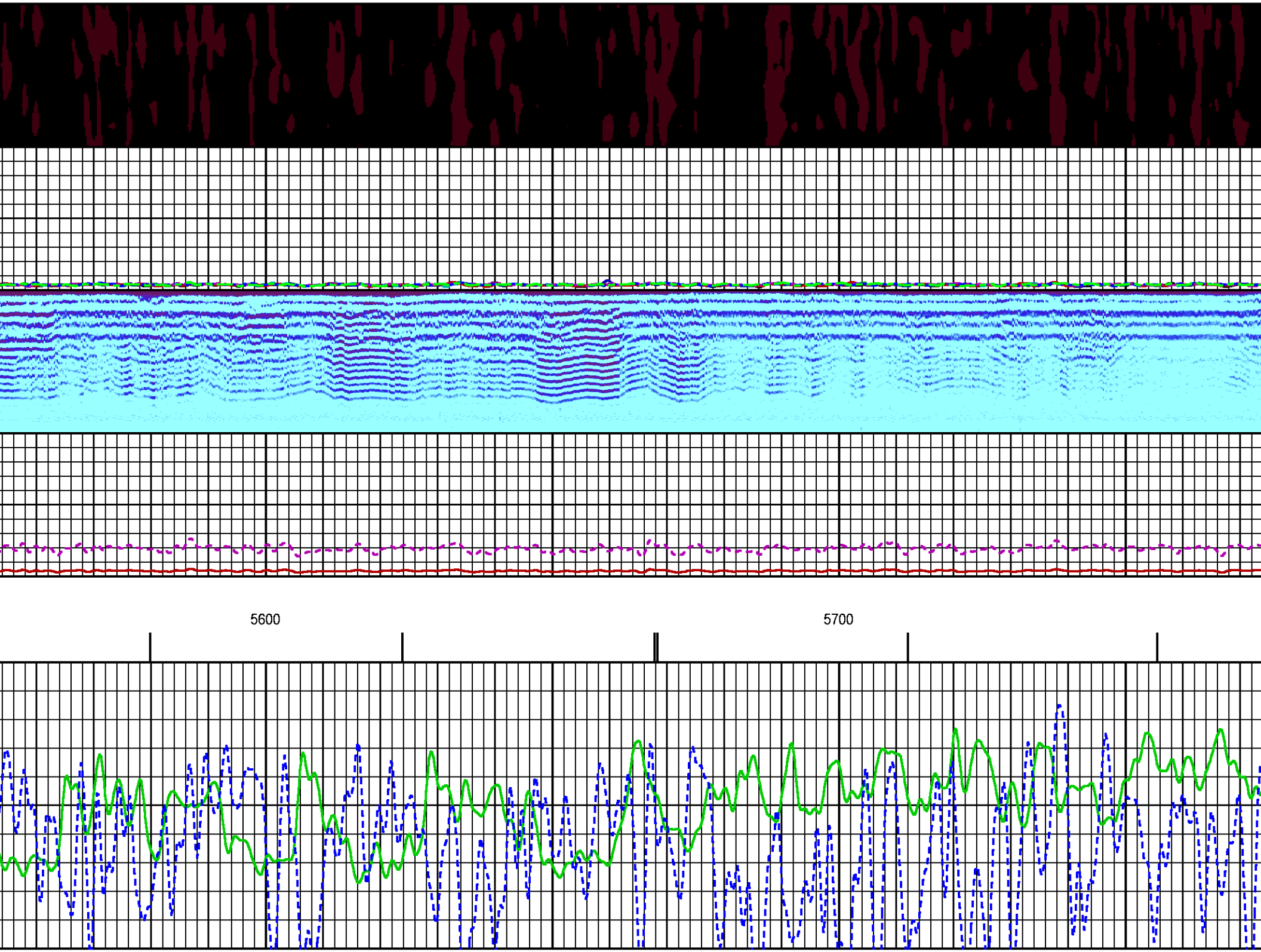

4500
4600


4700
4800

4900
5000
5100

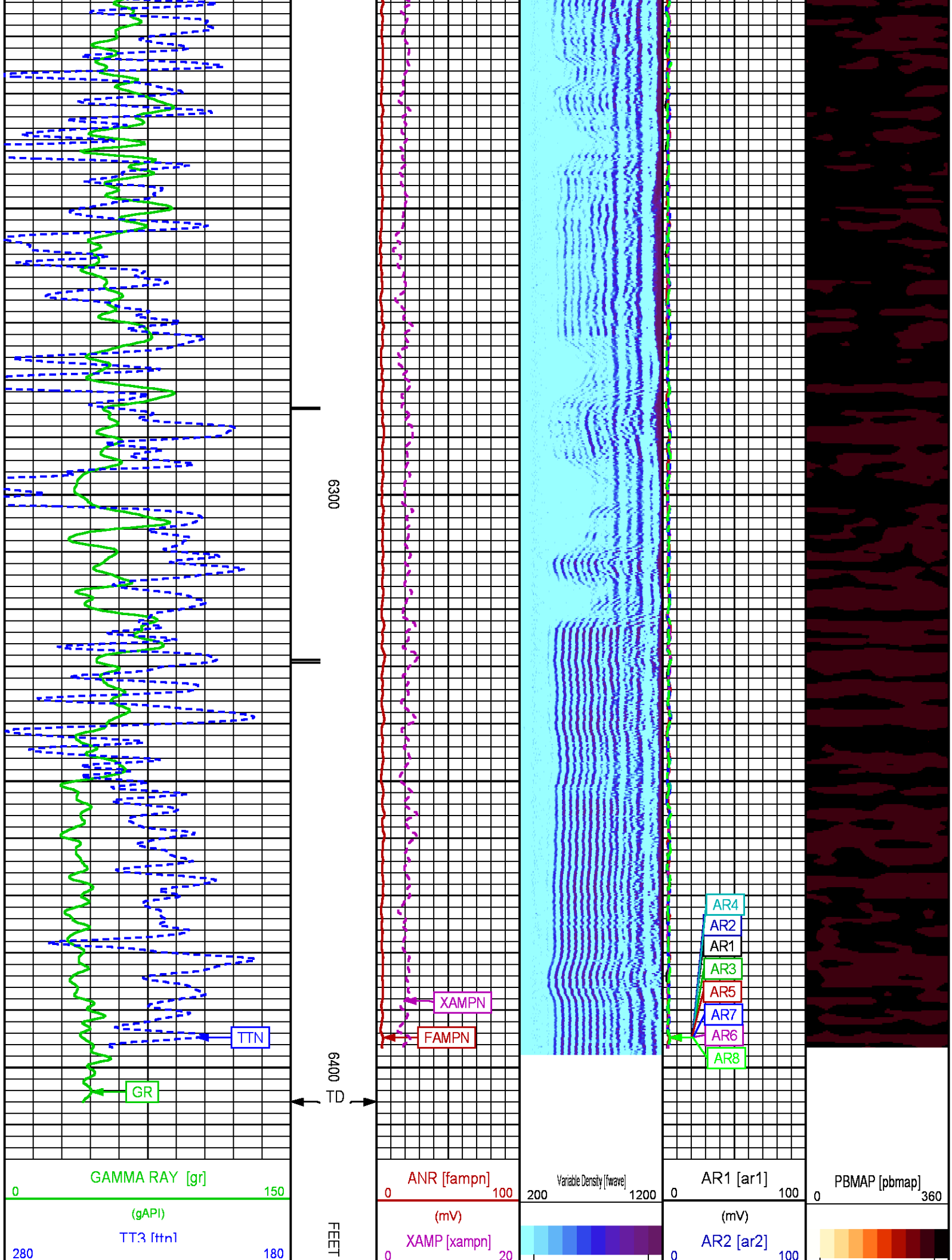

5200
5300

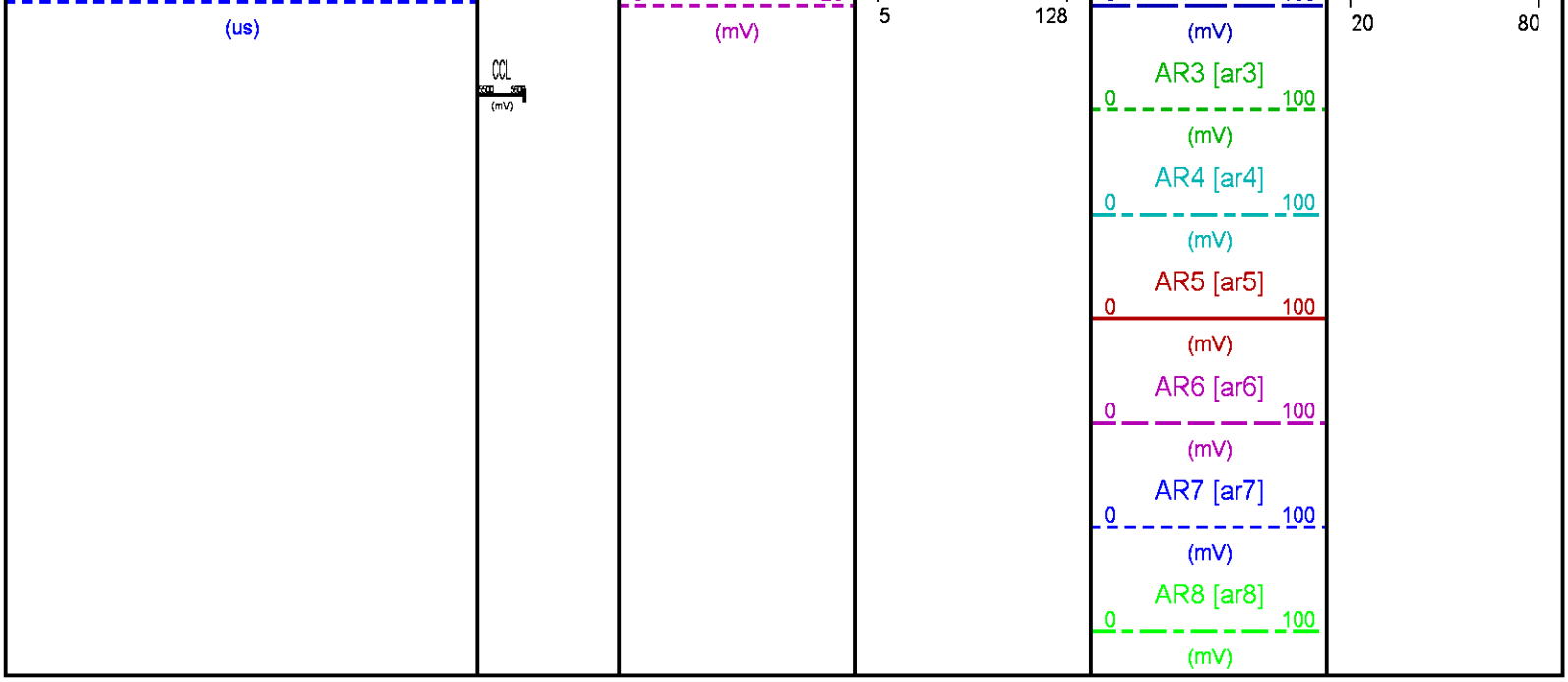
5400
5500


5600
5700

5800
5900

6000
6100
6200


6300
6400
TD
FEET
TTN
GR
XAMPN
FAMPN
AR4
AR2
AR1
AR3
AR5
AR7
AR6
AR8
GAMMA RAY [gr]
0
150
(gAPI)
TT3 [ttn]
280
180
ANR [fampn]
0
100
(mV)
XAMP [xampn]
0
20
Variable Density [fwave]
200
1200
AR1 [ar1]
0
100
(mV)
AR2 [ar2]
0
100
PBMAP [pbmap]
0
360



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: Wed Dec 31 13:21:17 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE:	C:\dat1a\411-12\n012g01.prm		
LOGGING MODE:	DEPTH	DIRECTION:	UP
TOP DEPTH:	6066.250 ft	BOTTOM DEPTH:	6404.520 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*)	188	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	187	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

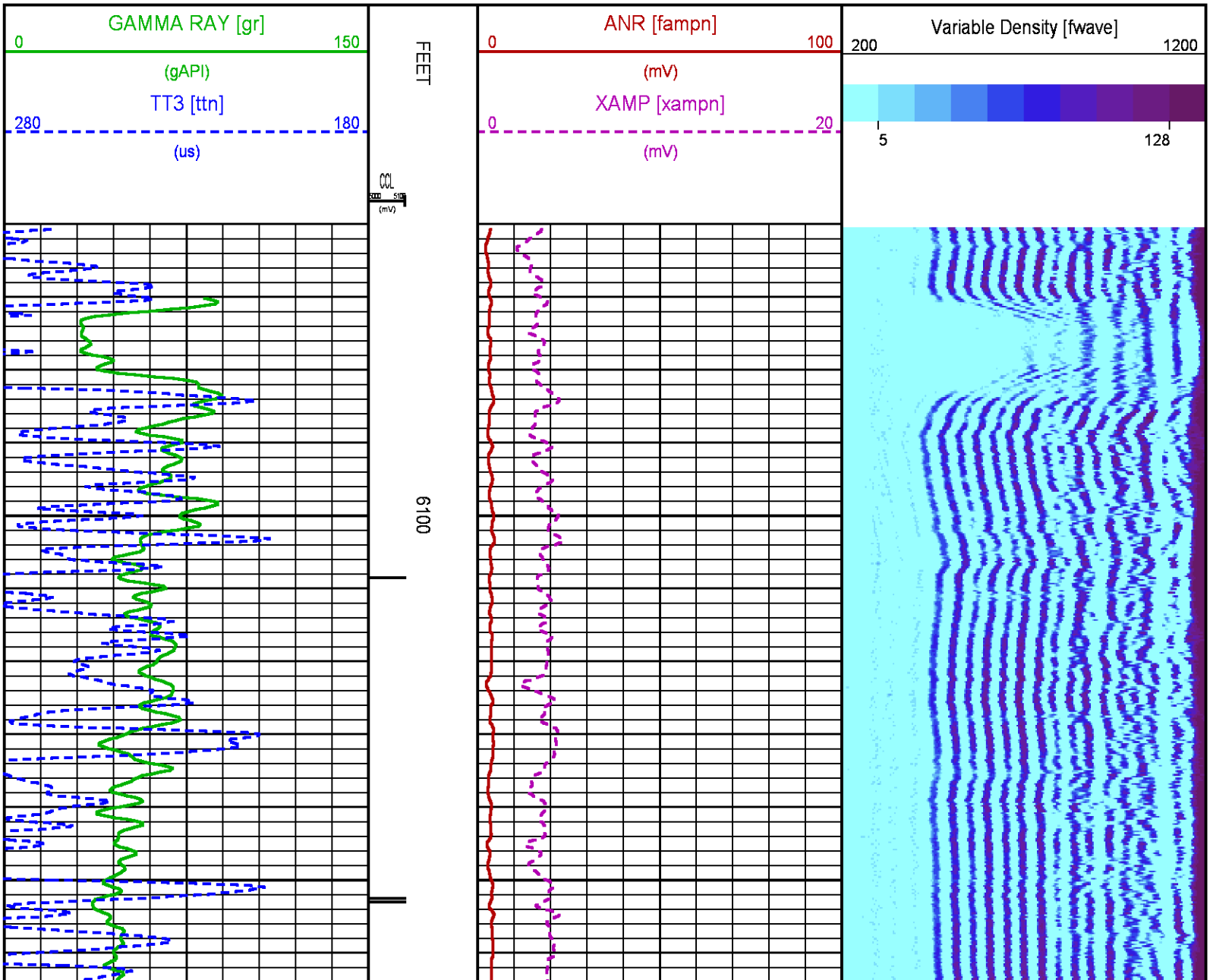
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Dec 31 09:46:43 2014	CASING COLLAR LOCATOR
F1:FAMPN	Dec 31 09:46:43 2014	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Dec 31 09:46:43 2014	FAR WAVE FORM
F1:GR	Dec 31 09:46:43 2014	GAMMA RAY
F1:TTN	Dec 31 09:46:43 2014	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Dec 31 09:46:43 2014	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

CURVE MEASURE POINT OFFSET

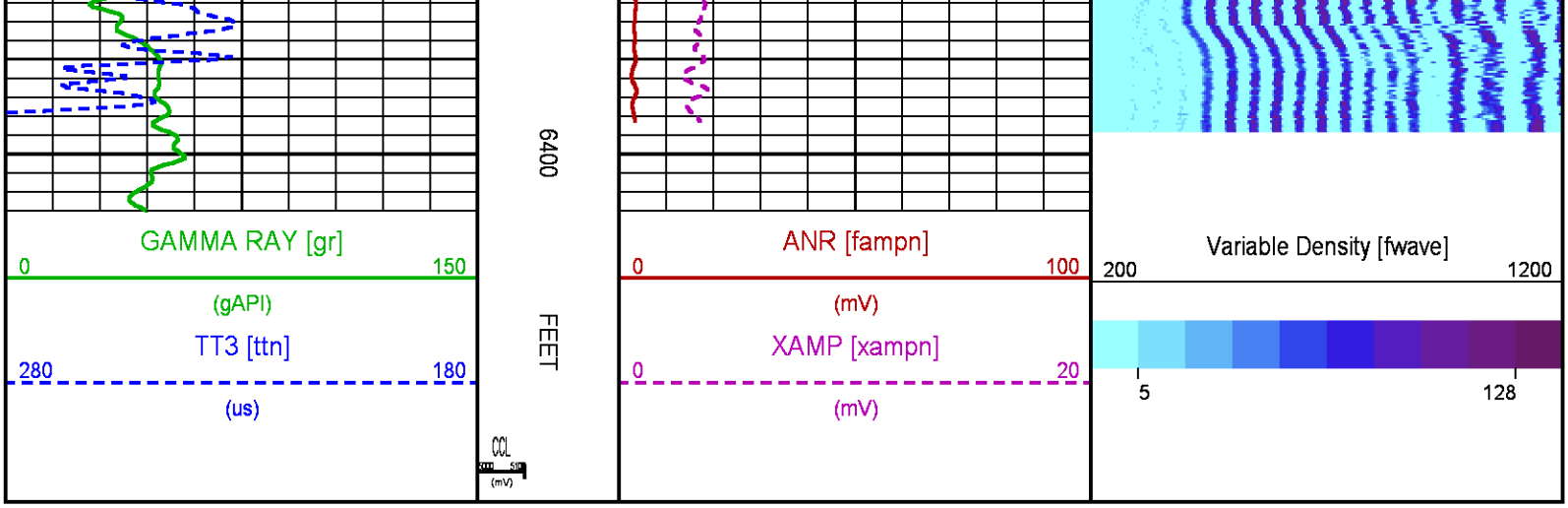
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25		
FAMPN	11.25	TTN	11.25				

Presentation : BHUGHES-06627:C:\dat1a\411-12\411_CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 6060.5 - 6407.5 Feet

Data File 1 : F1 : BHUGHES-06627:C:\dat1a\411-12\411_CBL_REPEAT.xtf
Created On : Dec 31 09:46:43 2014
Company : WPX ENERGY
Well : GM 411-12
Field : GRAND VALLEY
File Interval : 6059.5 - 6409 Feet
OCT : n012g



6200
6300



CALIBRATION / VERIFICATION SUMMARY

Source File: C:\dat1a\411-12\n012g.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Wed Dec 31 09:10:26 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)	0.11	0.12	0.09	0.15	0.10	0.15	0.07	0.06	0.10	1.13	0.06
AMP FLUID (mV)	88	87	86	86	87	87	88	88	87	117	86
TT (us)	216	217	216	215	214	214	214	215	217	325	217
M FACTOR	1.14	1.15	1.16	1.16	1.15	1.15	1.14	1.14	1.14	1.30	1.16

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Wed Dec 31 09:17:57 2014

DAYS SINCE CAL: 0

UNIT #: 3885TD Z004271

CABLE #: 4271LG LAGER1

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL

	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)
ZERO	0.03	0.13	-0.06	-0.04	-0.04	0.04	-0.07	0.07	-0.07	0.22	-0.02
AMP AIR	4.01	4.27	4.51	4.47	4.23	4.20	4.09	4.22	4.02	5.86	99.88

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.16	0.00	1.00

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

GR BEFORE LOG VERIFICATION SUMMARY

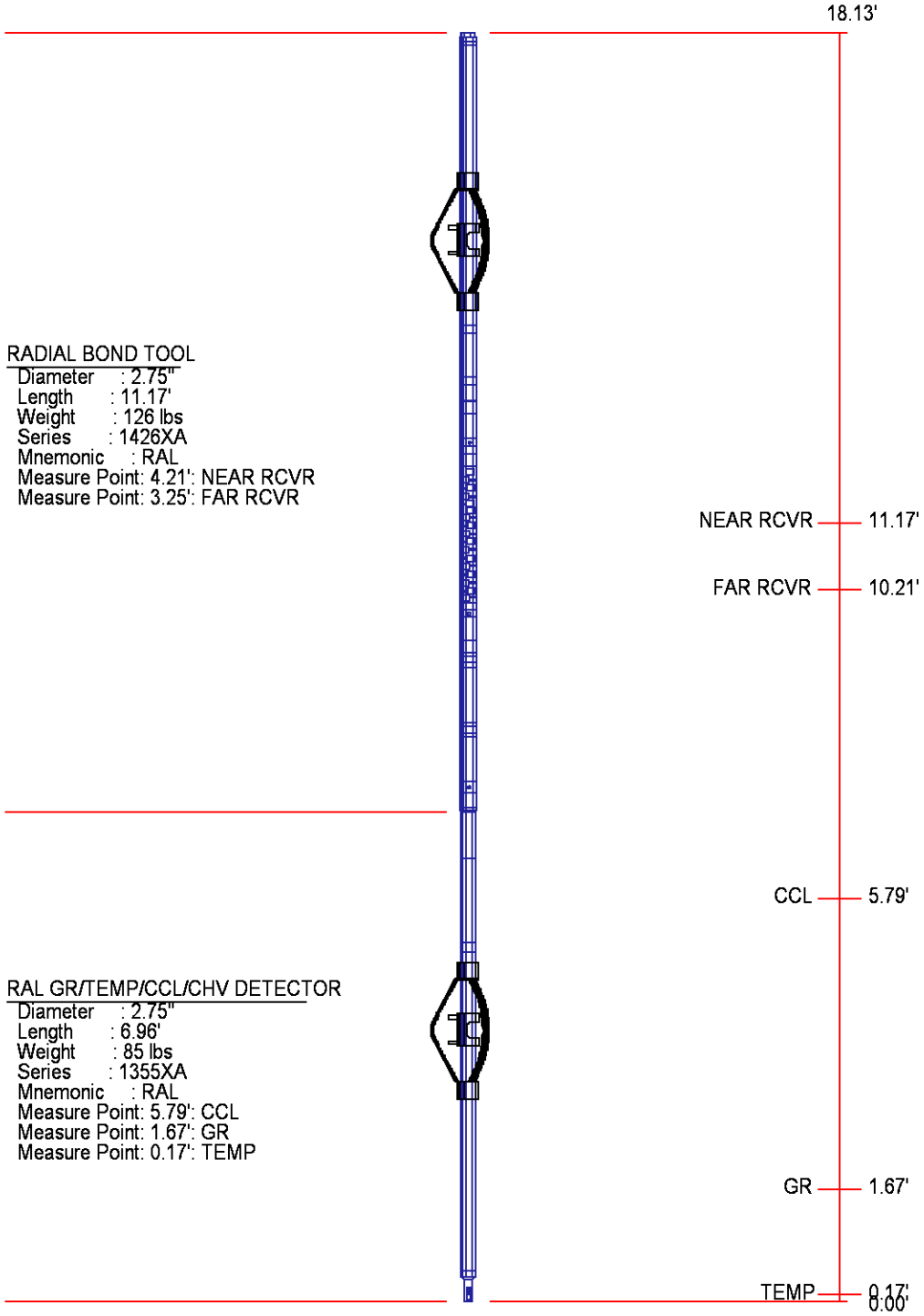
NOT DONE

GR AFTER LOG VERIFICATION SUMMARY

NOT DONE

INSTRUMENT CONFIGURATION

Source File: C:\dat1a\411-12\CBL-tdg.meta



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"

BAKER HUGHES EQUIPS	COMPANY: WPX ENERGY WELL: GM 411-12 FIELD: GRAND VALLEY COUNTY: GARFIELD STATE: COLORADO	FILE NO: CH093851 API NO: 05045224620000
	LOCATION: SHL: 1179' FNL & 1894' FWL BHL: 220' FNL & 1209' FWL (SWNE) SEC 12 TWP 7S RGE 96W	ELEVATIONS: KB 5151 FT DF GL 5125 FT DATE 31-Dec-2014
		12 7S 96W GM 21-12 PAD NABORS 573