



FILE NO: CH093576	COMPANY WELL FIELD COUNTY	WPX ENERGY WPX GM 333-28 GRAND VALLEY GARFIELD	STATE COLORADO
API NO: 05045225000000			

Version 28 GS 96W GM 323-28 PAD H&P 318	LOCATION: SHL: 1506' FSL & 2358' FWL BHL: 2329' FSL & 1526' FEL (NWSE) SEC 28 TWP 6S RGE 96W	OTHER SERVICES RPM
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PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM	GL KB KB ELEVATION 24 FT ABOVE P.D.	ELEVATIONS: KB 5500 FT DF GL 5476 FT
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DATE	1-Jan-2015
RUN	1
SERVICE ORDER	US093576
DEPTH DRILLER	7088 FT
DEPTH LOGGER	7040 FT
BOTTOM LOGGED INTERVAL	7030 FT
TOP LOGGED INTERVAL	24 FT
TIME STARTED	0900
TIME FINISHED	1300
OPERATOR RIG TIME	4 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 FMIN
MAX. RECORDED TEMP.	231 DEGF
REFERENCE LOG	NA
REFERENCE LOG DATE	NA
EQUIP. NO.	4271
LOCATION	GRAND JCT.
RECORDED BY	FLOYD RENEAU
WITNESSED BY	JEFF BRADY

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	24 FT	1343 FT
8.75 IN	1343 FT	7088 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN			24 FT	1343 FT
4.5 IN	11.6 LB/F	I-80	24 FT	7088 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 feet.

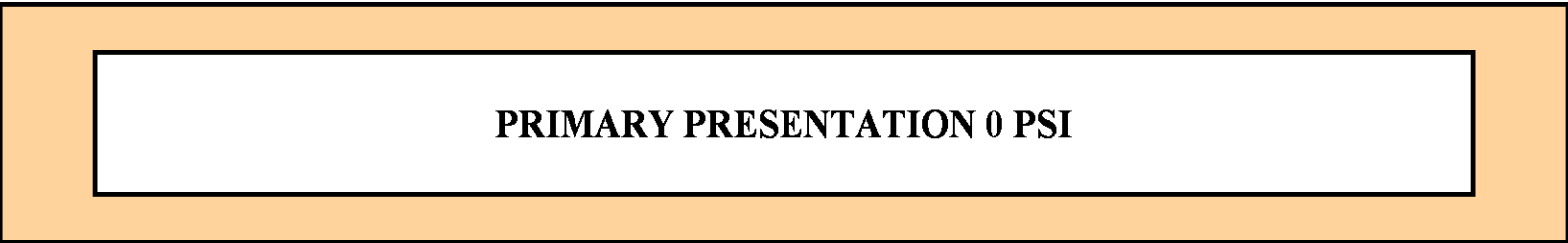
Logged with Zero PSI at wellhead.

BHT = 231 degF

SJ = 3837'- 3860'

Thanks you for choosing Baker-Hughes.

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	CBL	1426XA	10218495	CENTRALIZED
1	1	GR/CCL	1355XA	10580209	CENTRALIZED



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

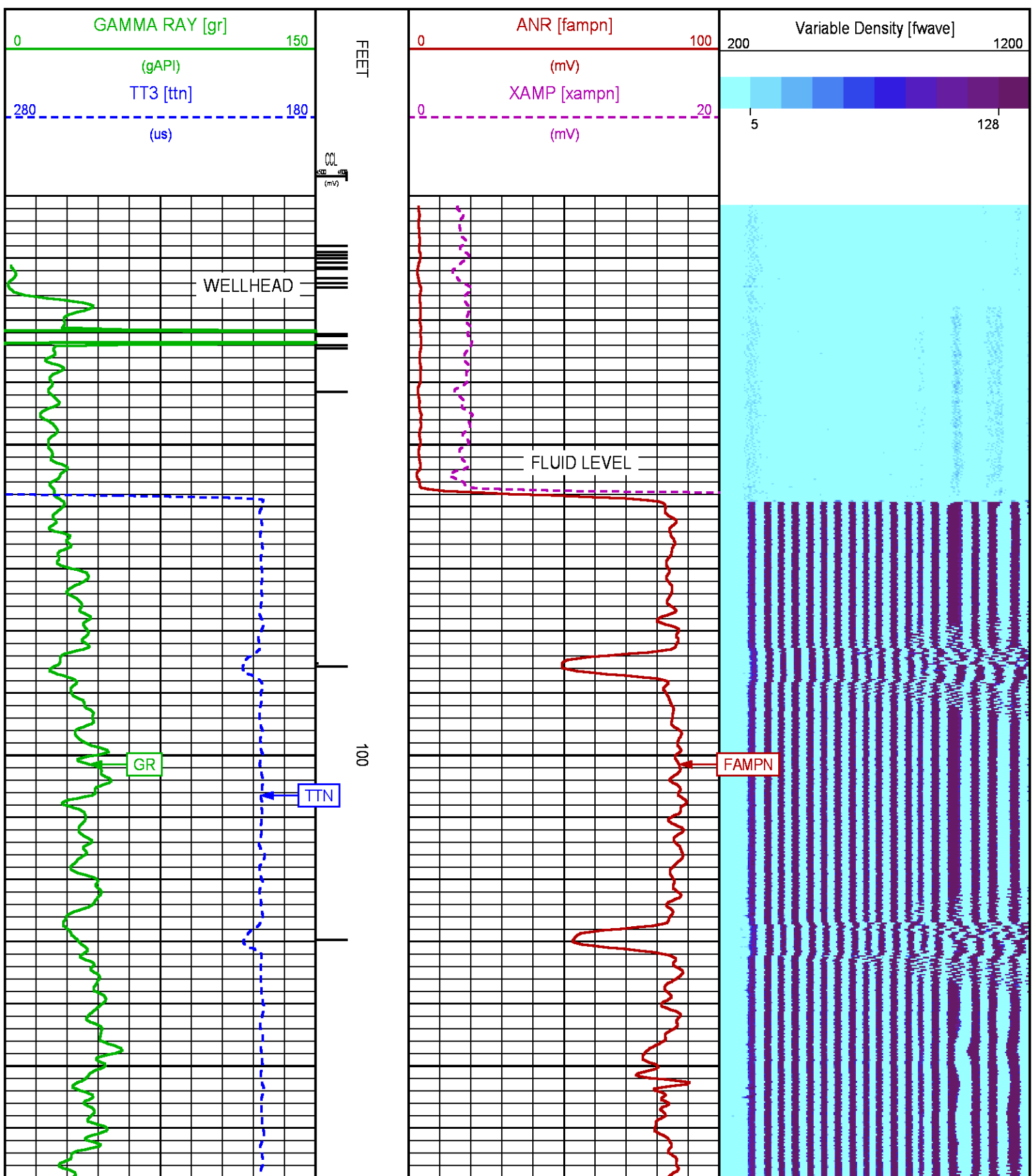
Plotted: Thu Jan 01 16:54:33 2015

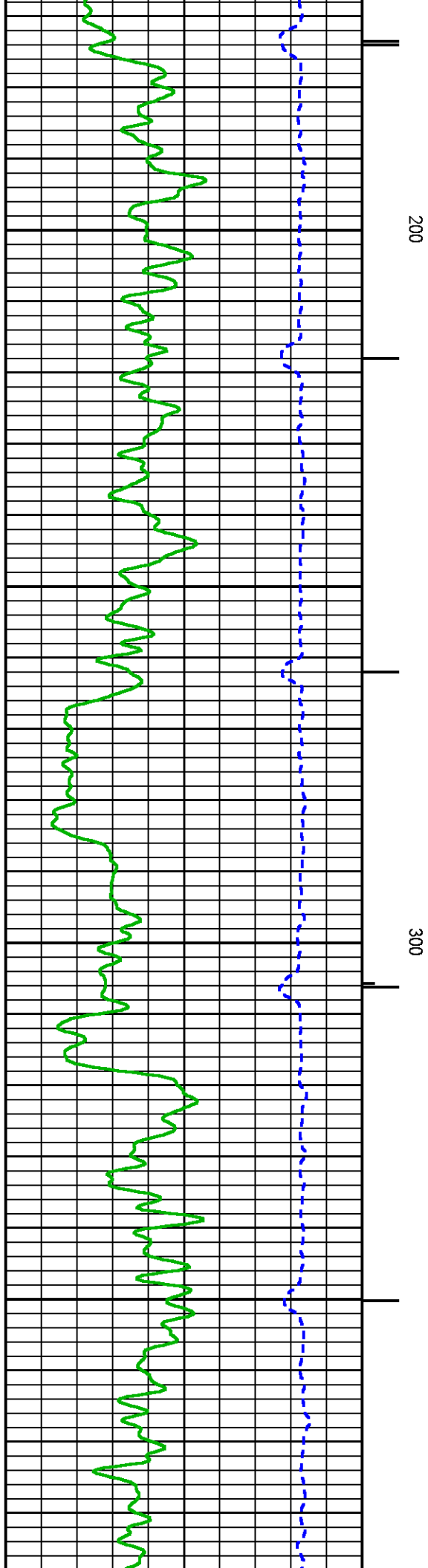
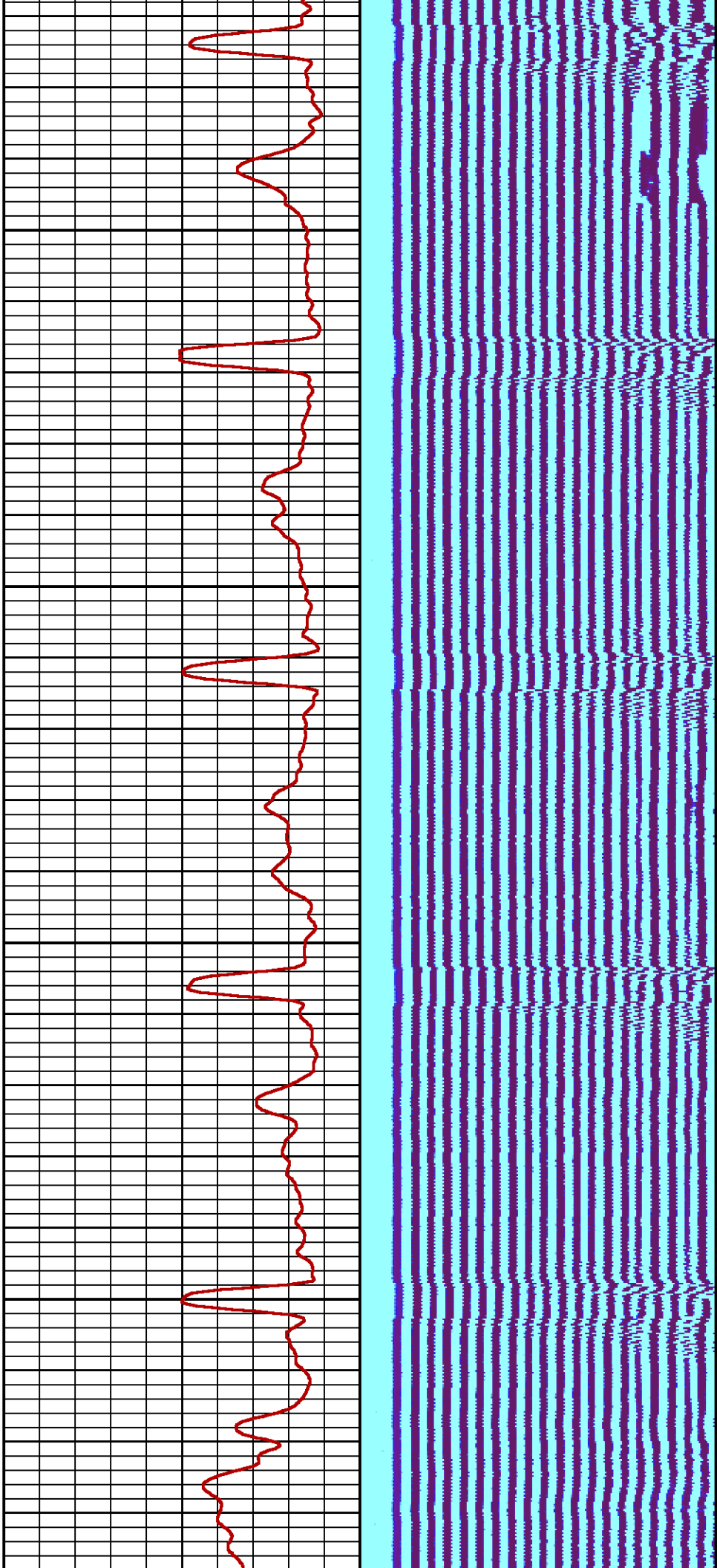
PARAMETER AND FILTER SUMMARY REPORT					
FILE: C:\dat1a\093576\012g02.prm LOGGING MODE: DEPTH DIRECTION: UP TOP DEPTH: 19.750 ft BOTTOM DEPTH: 7044.398 ft					
SYMMETRIC FILTER					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1) light (2a)		TOP 3087.750	3087.750 BOTTOM
TRAVEL TIME	FILTER ()	medium (1)		TOP	BOTTOM
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*)	181	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	170	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-72	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

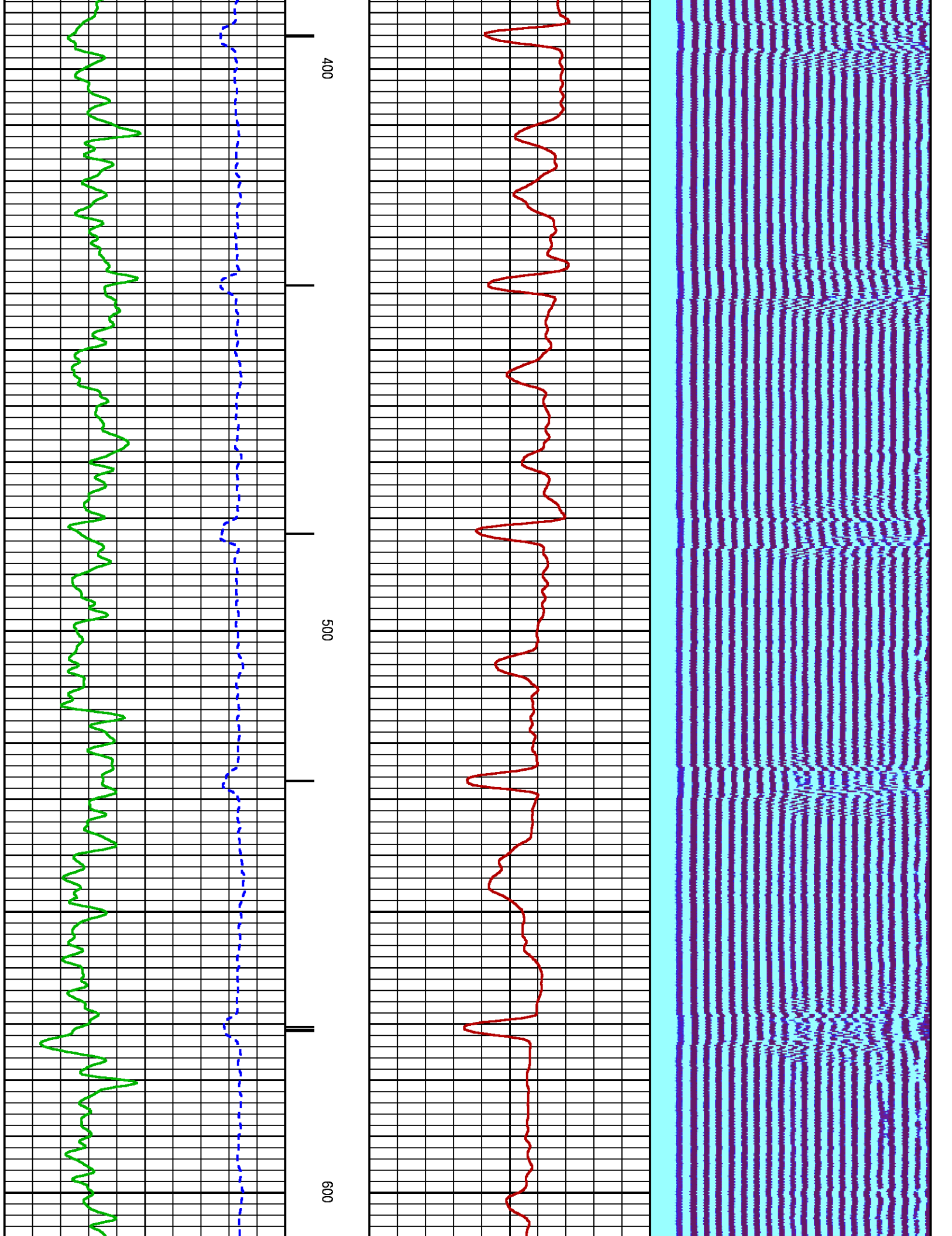
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Jan 1 11:08:54 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 1 11:08:54 2015	FAR WAVE FORM
F1:GR	Jan 1 11:08:54 2015	GAMMA RAY
F1:TTN	Jan 1 11:08:54 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

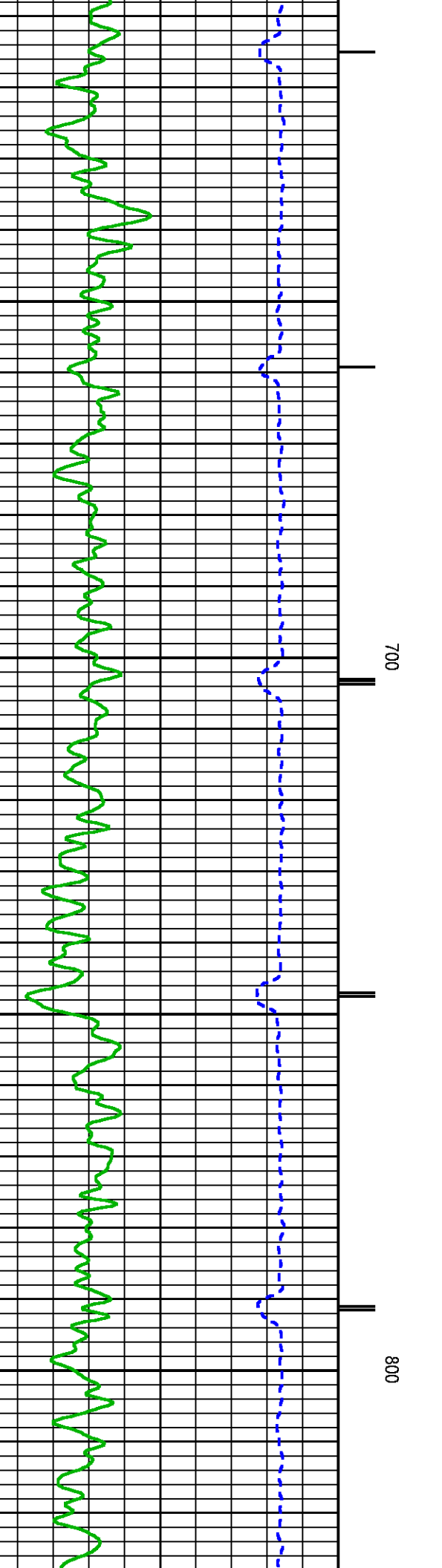
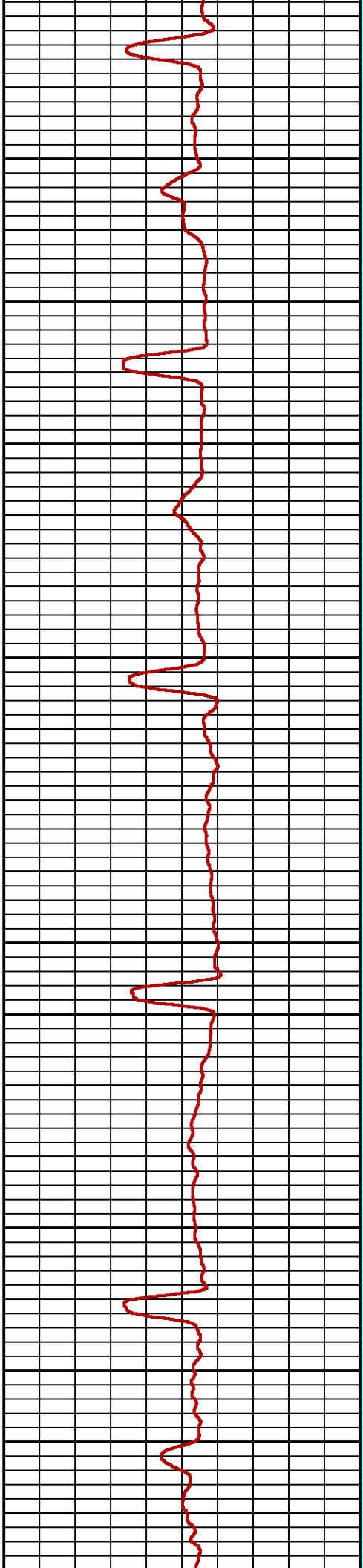
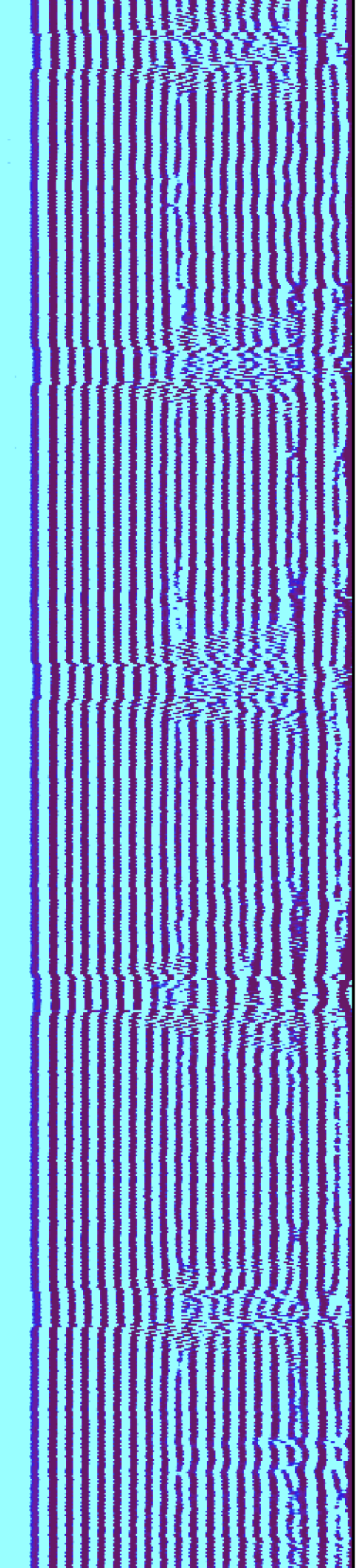
CURVE MEASURE POINT OFFSET					
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
CCL	5.75	GR	1.75	XAMPN	11.25
FAMPN	11.25	TTN	11.25		

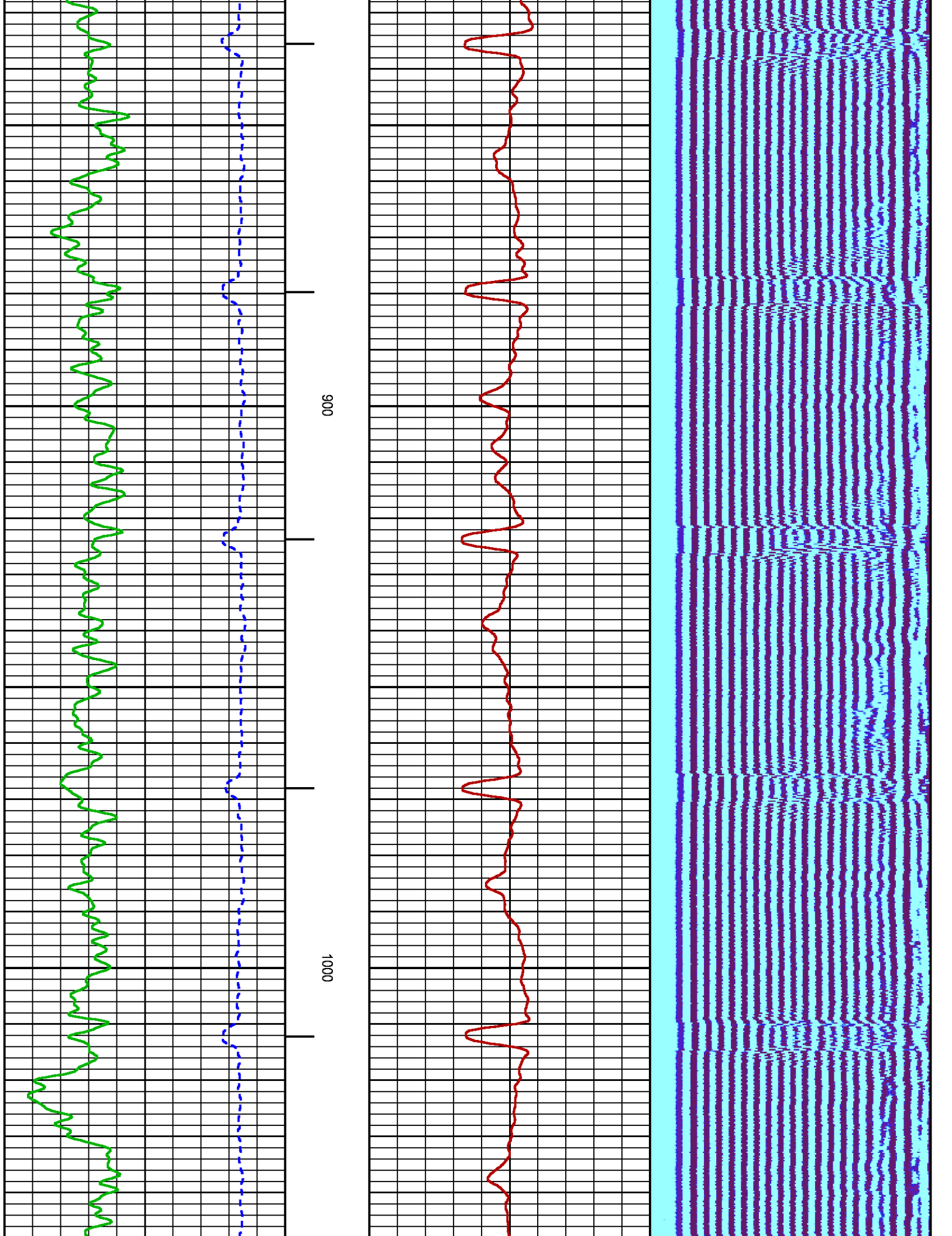
Presentation : BHUGHES-06627:C:\dat1a\093576\333_CBL_PRIMARY.fvpdf [5"/100' Scale]
Plot Interval : 11.5 - 7043.5 Feet
Data File 1 : F1 : BHUGHES-06627:C:\dat1a\093576\333_CBL_MAIN.xtf
Created On : Jan 1 11:08:54 2015
Company : WPX ENERGY
Well : WPX GM 333-28
Field : GRAND VALLEY
File Interval : 10.5 - 7045 Feet
OCT : n012g

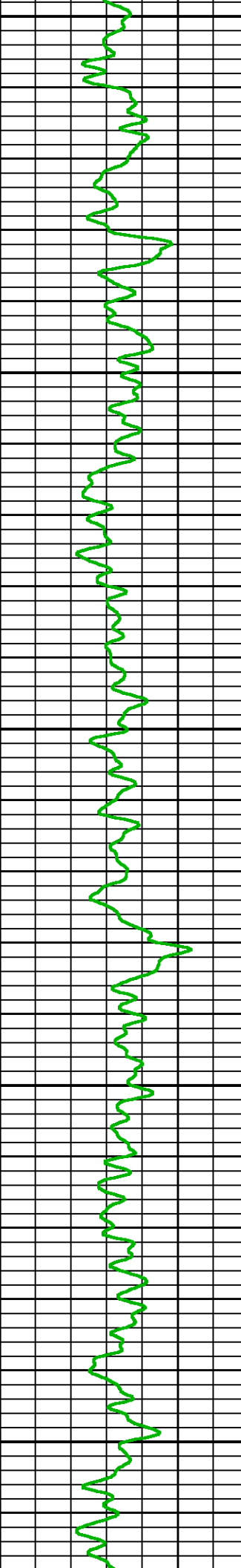
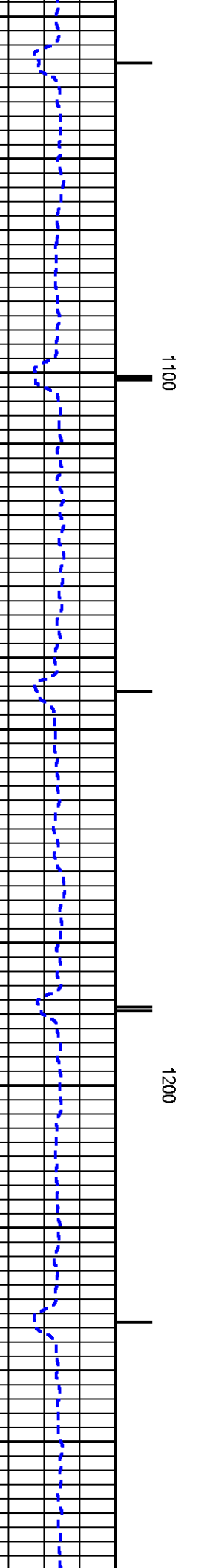
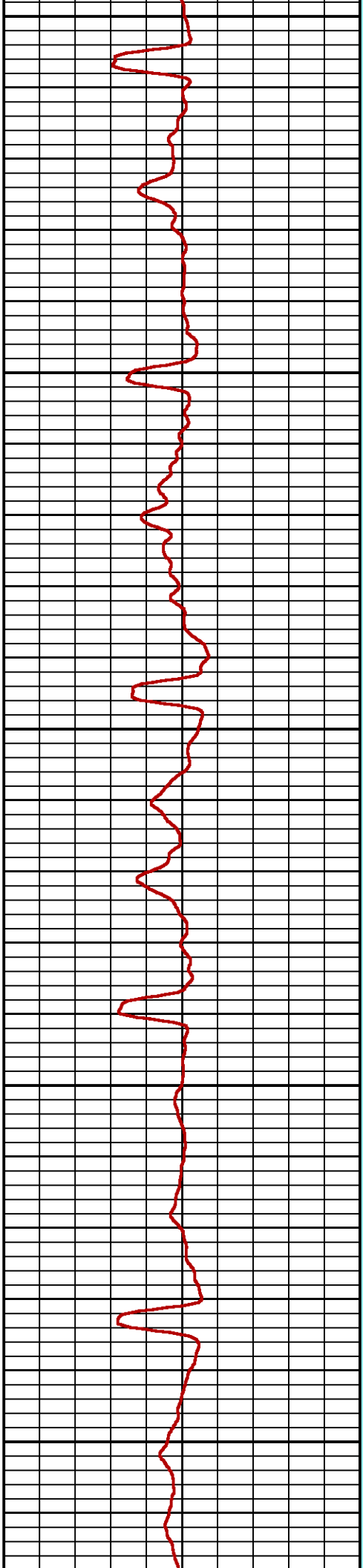
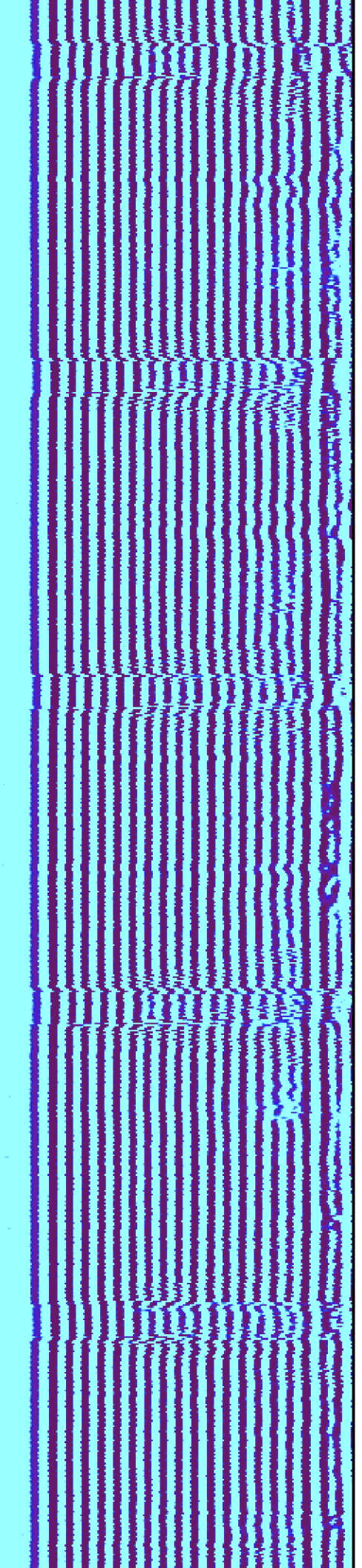


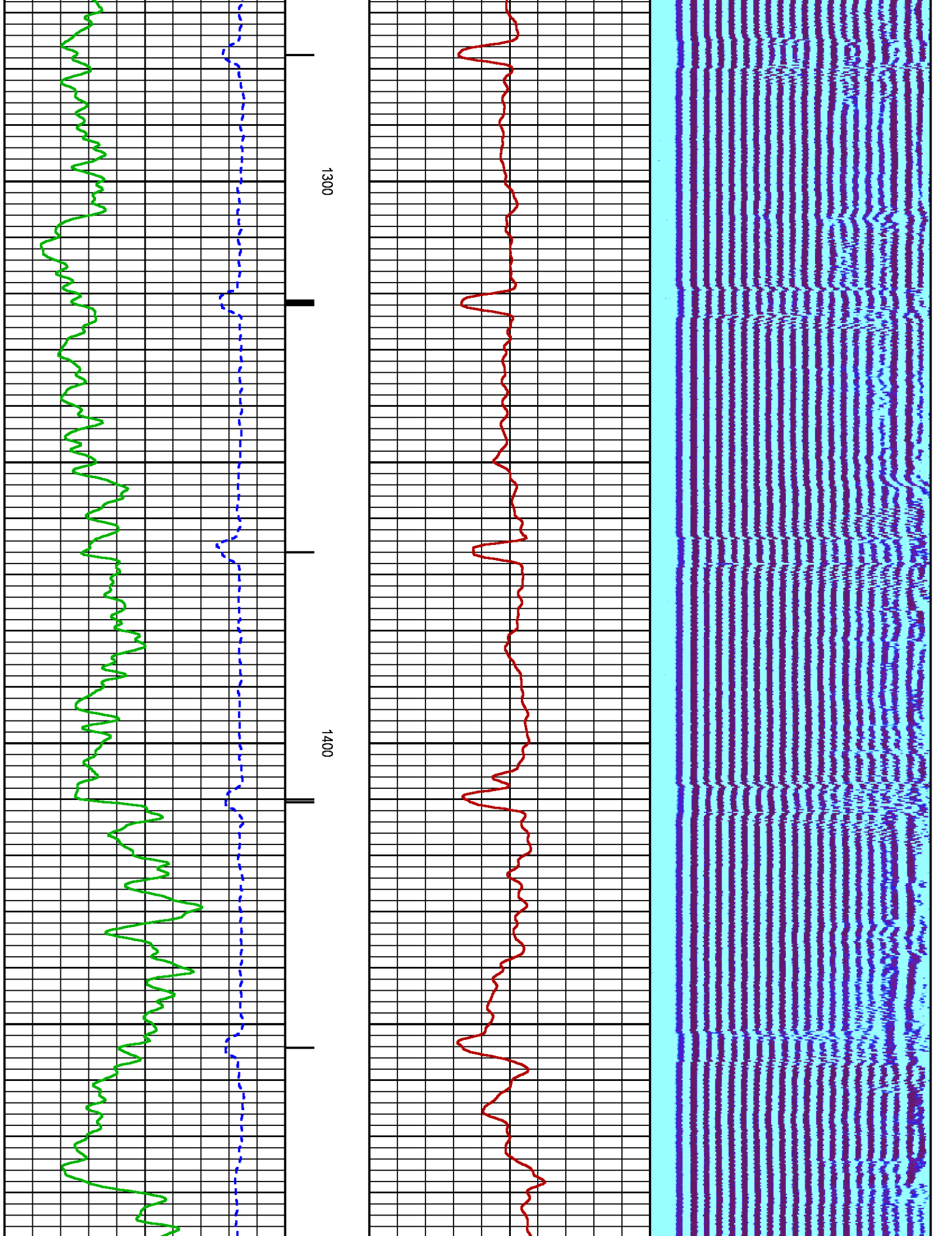


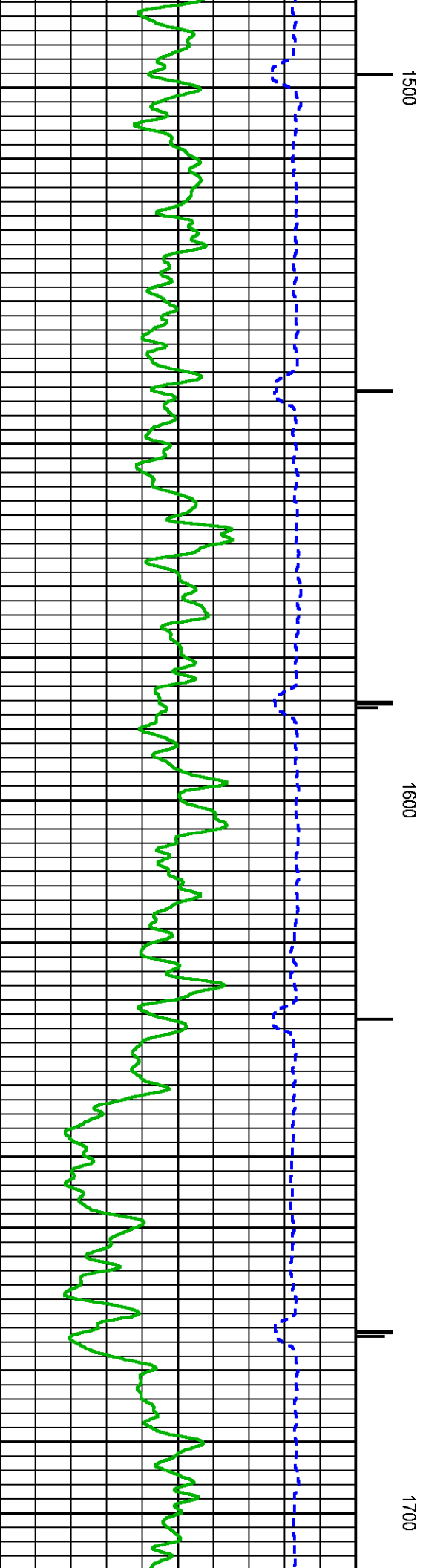
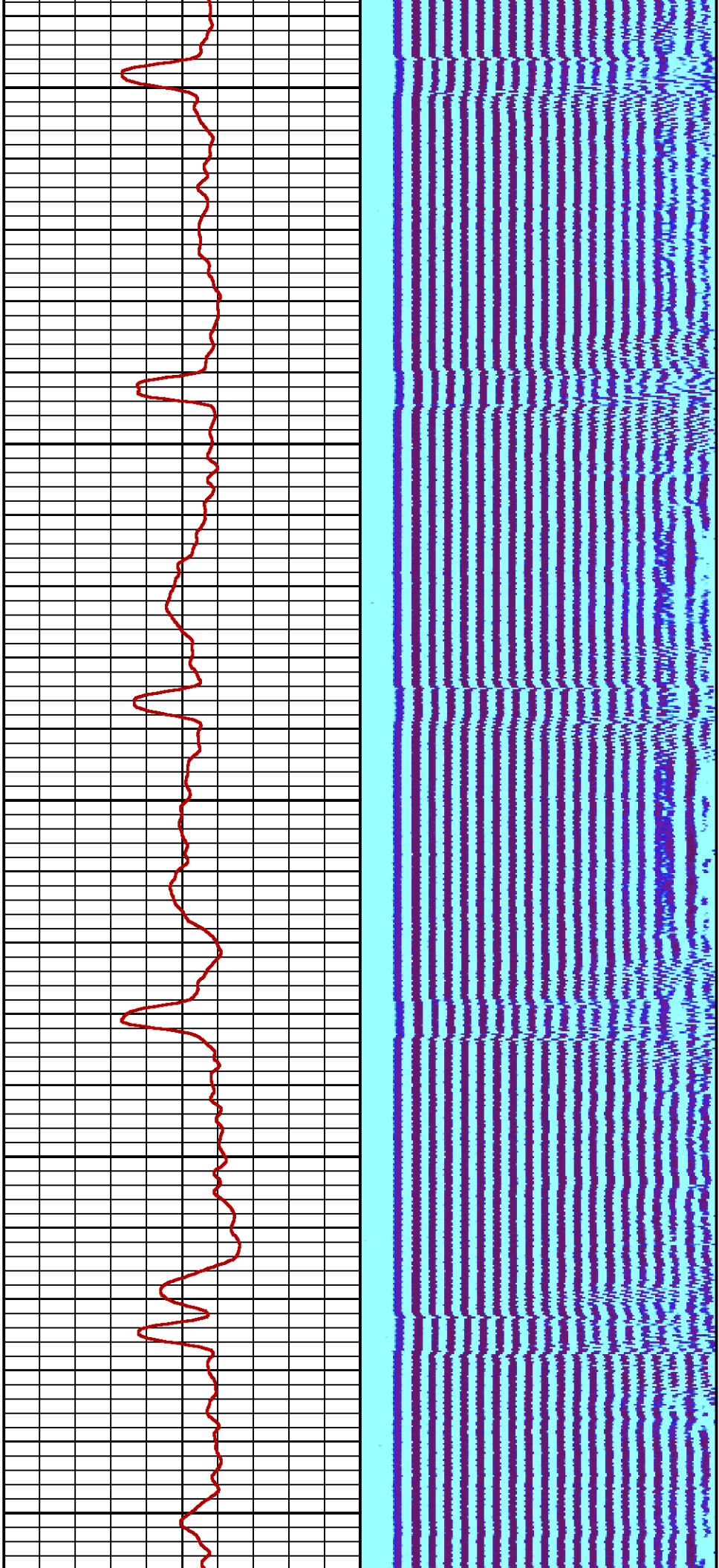


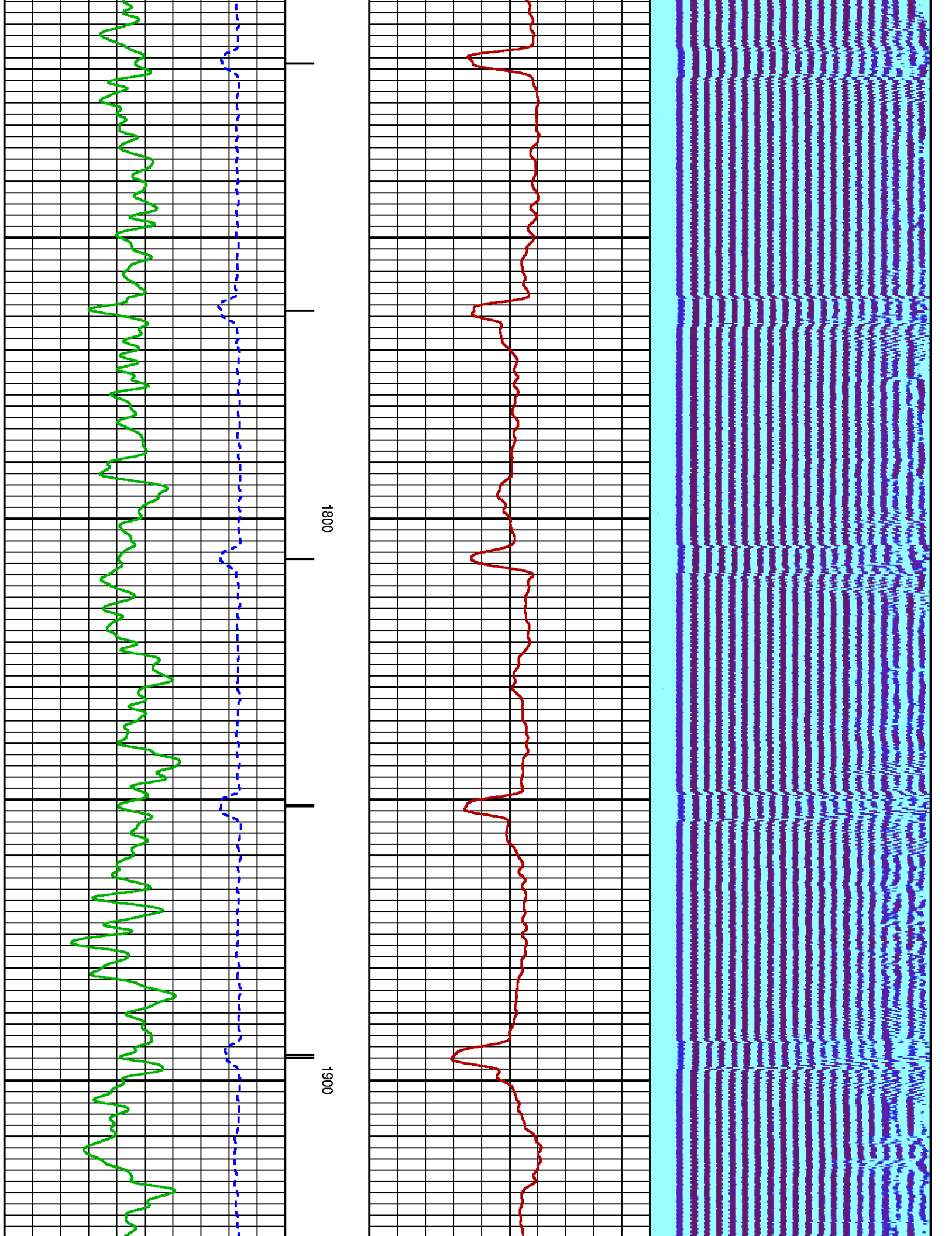


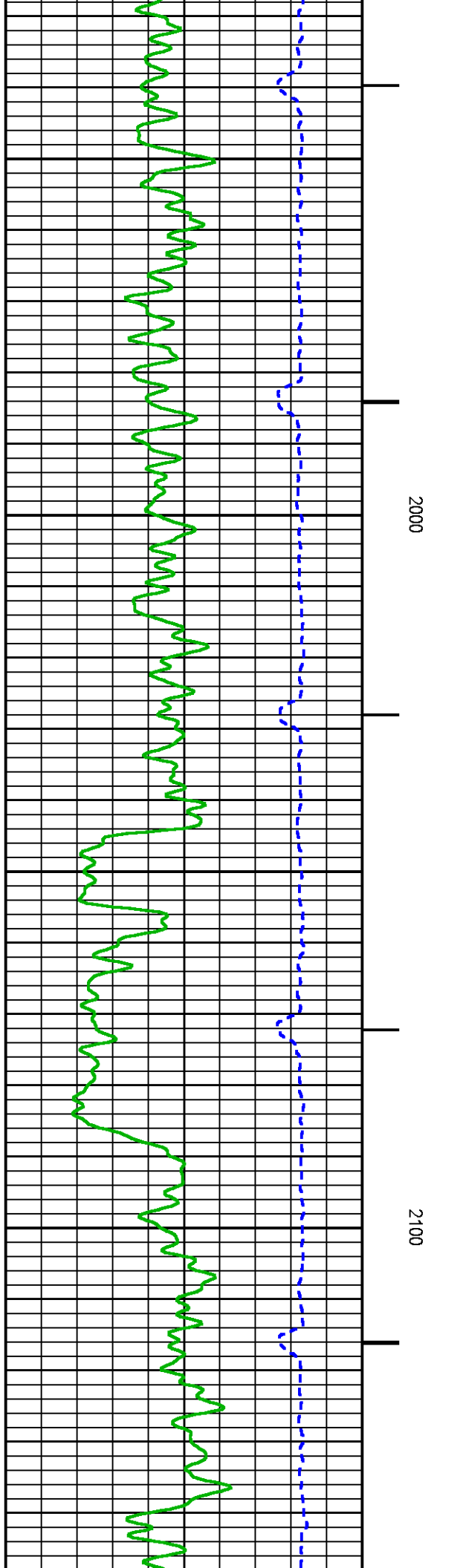
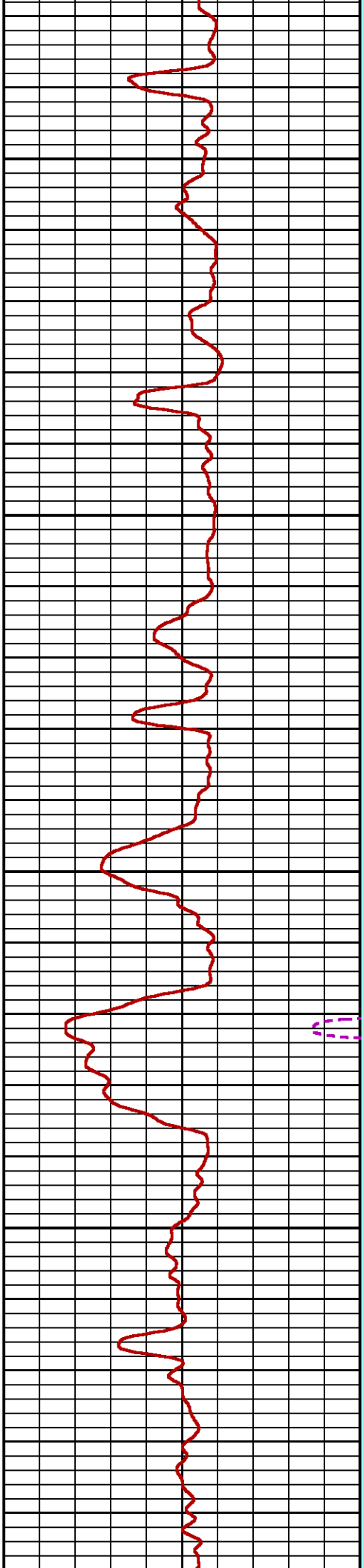
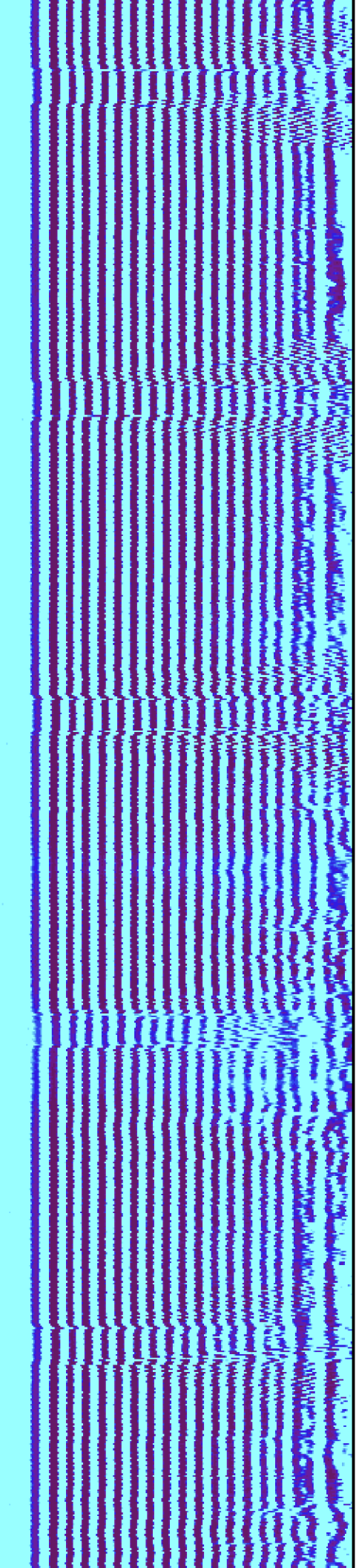


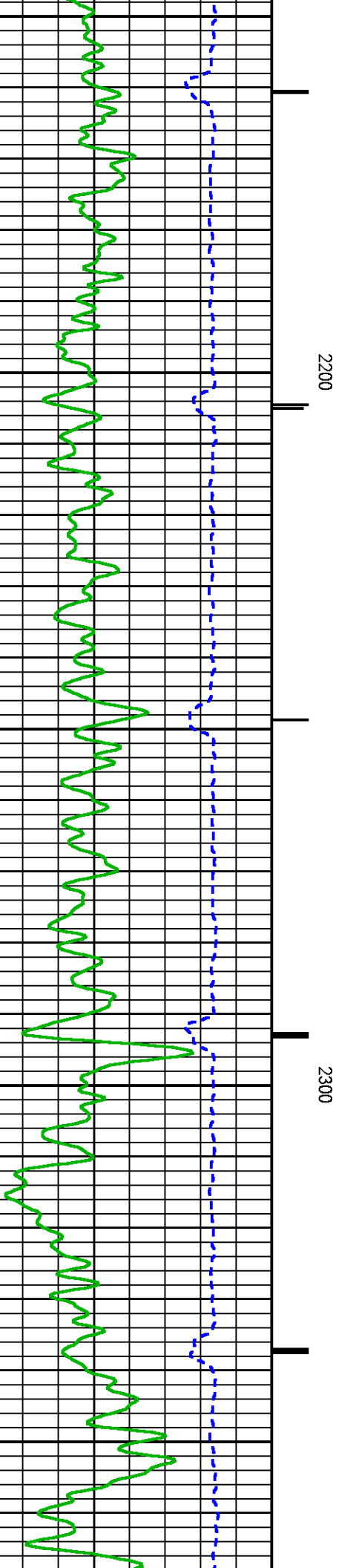
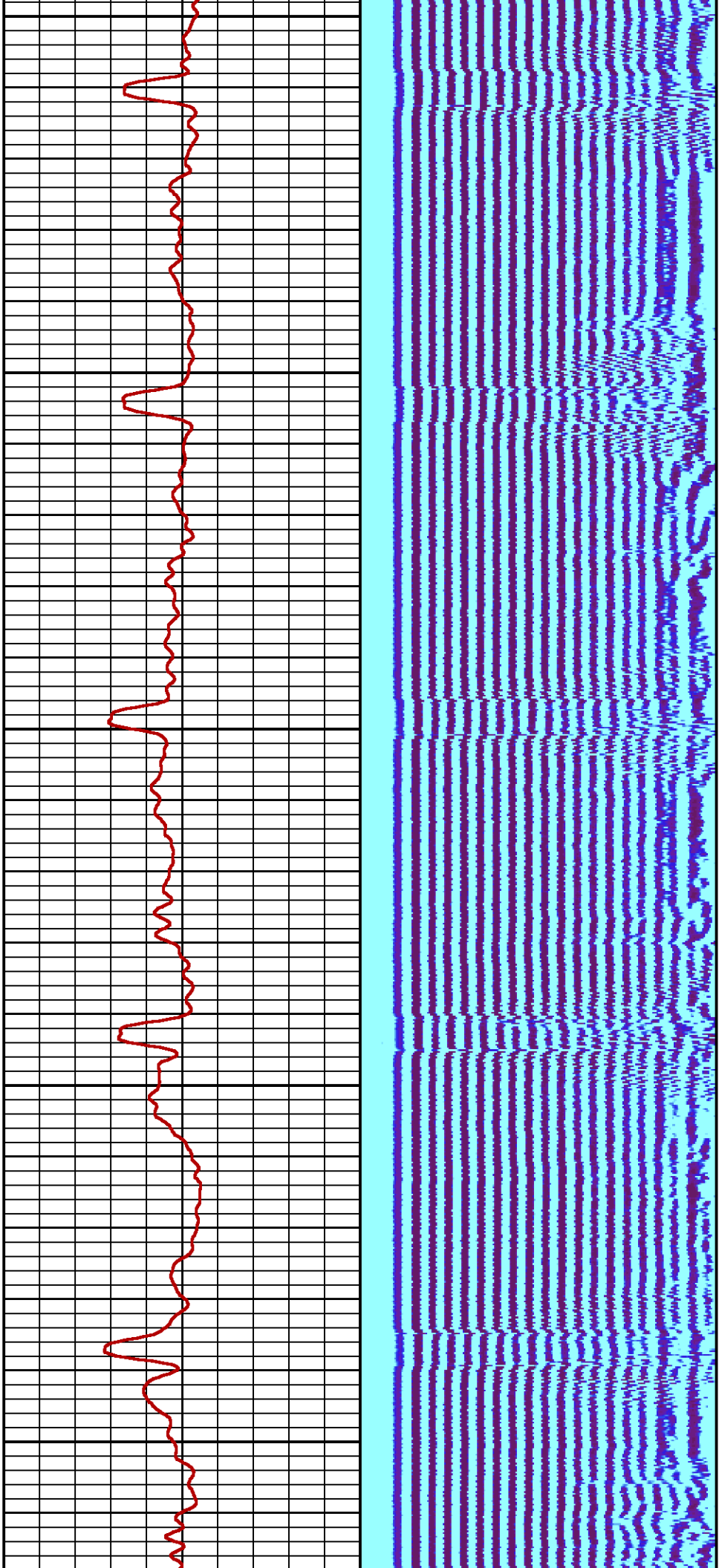


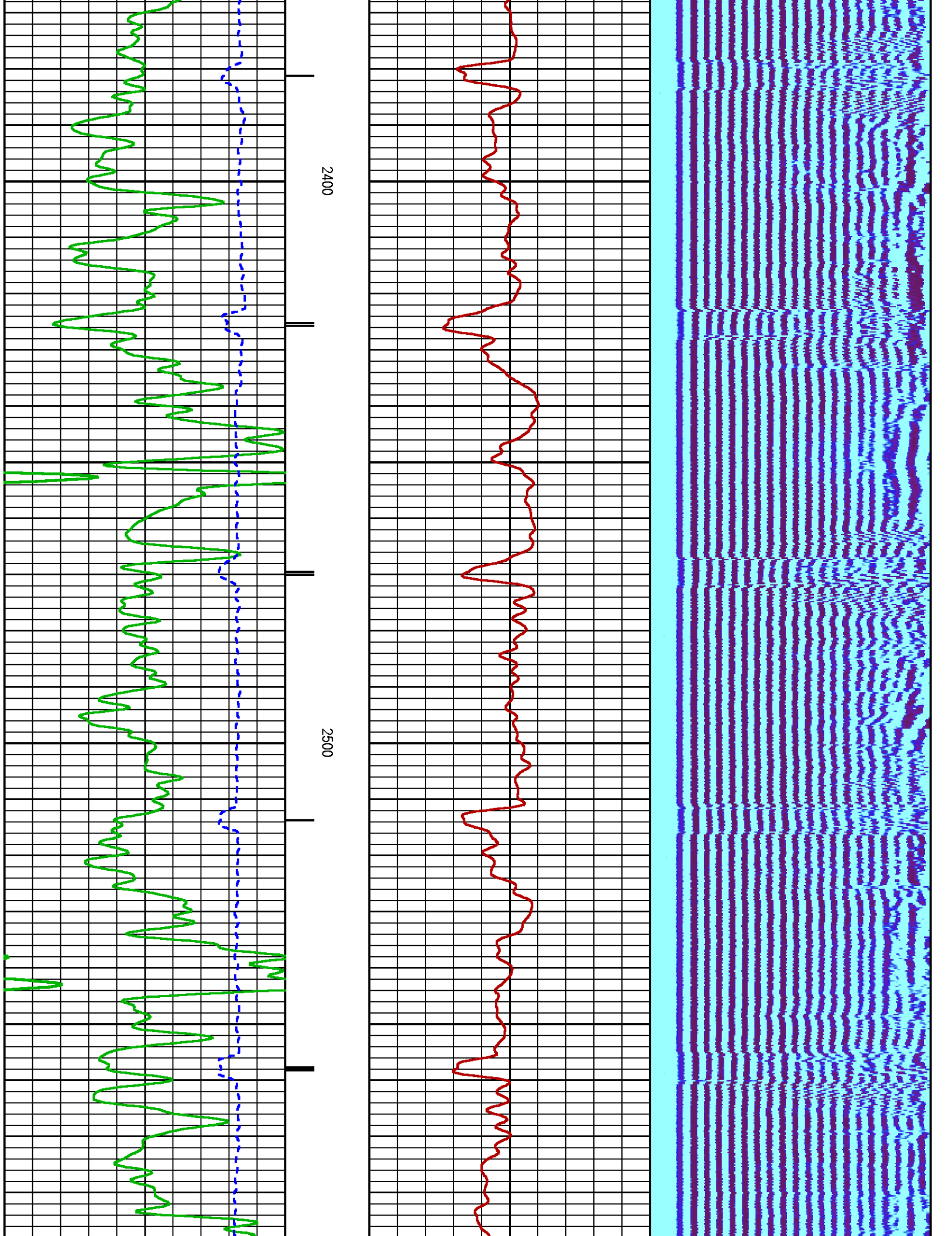


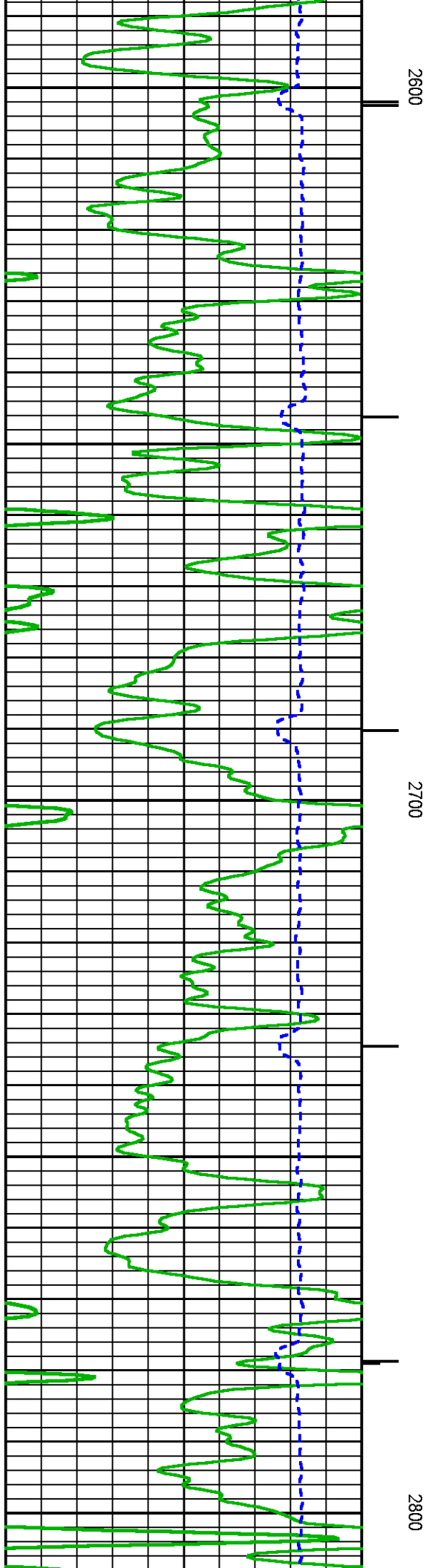
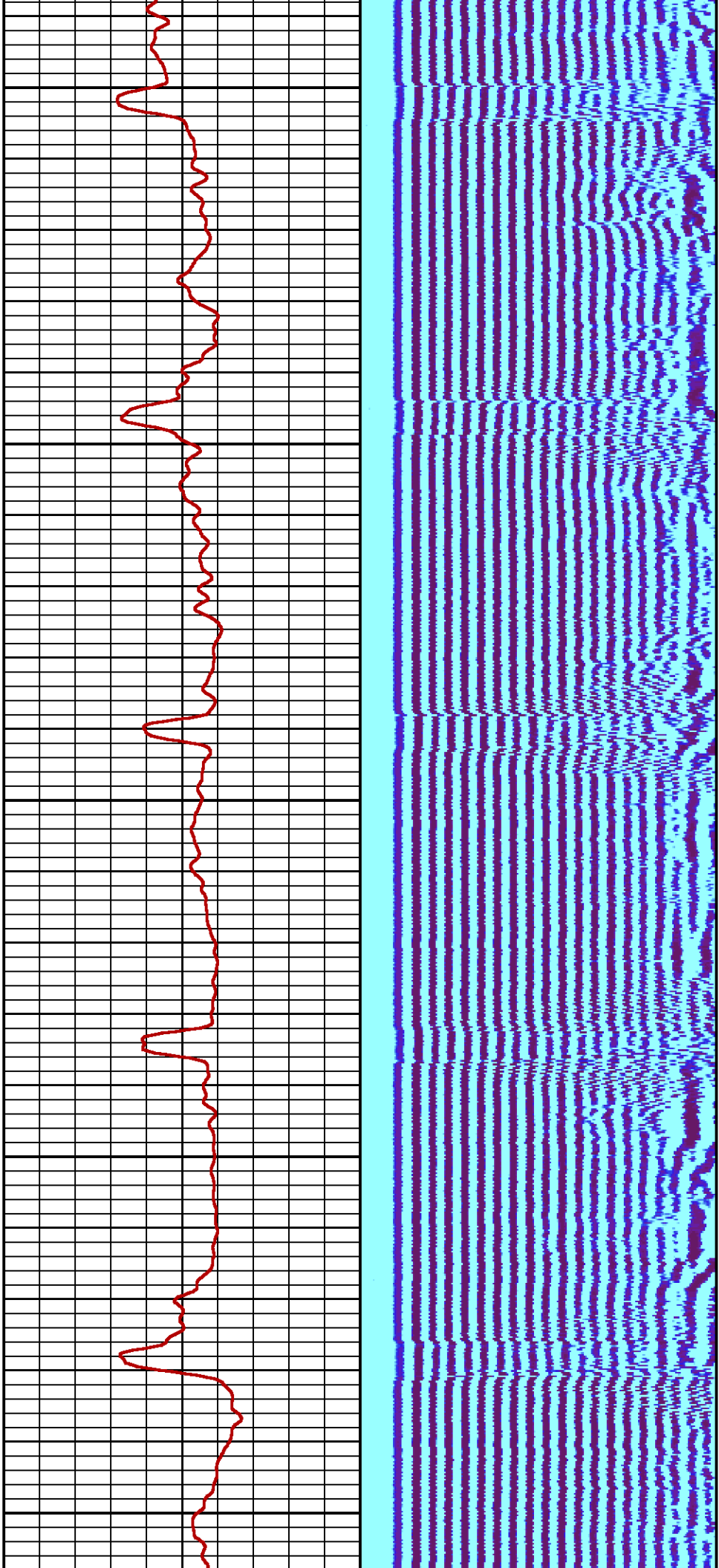


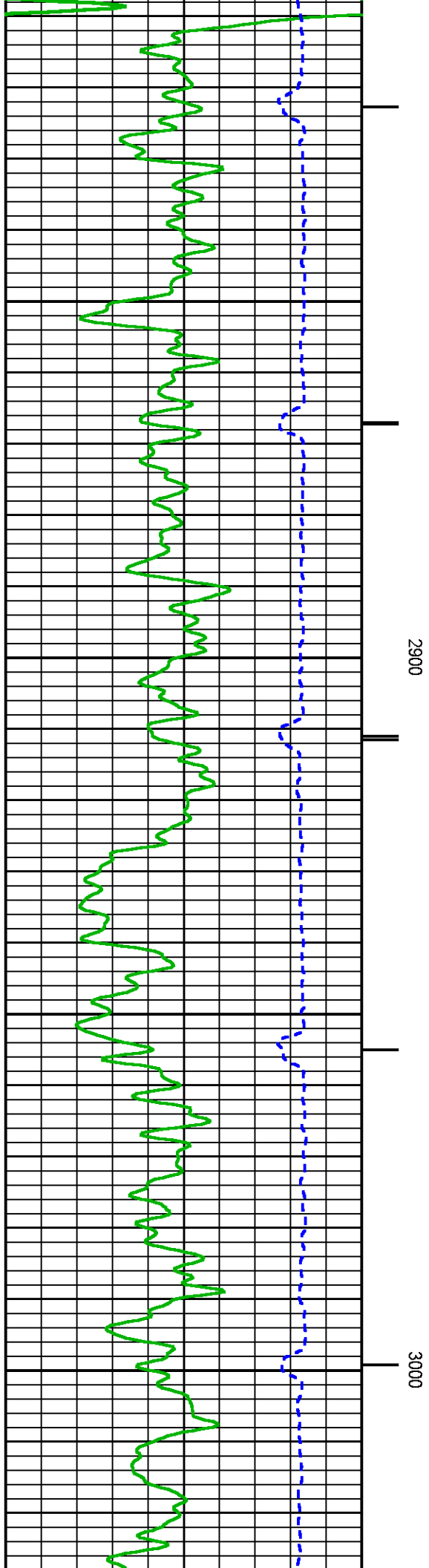
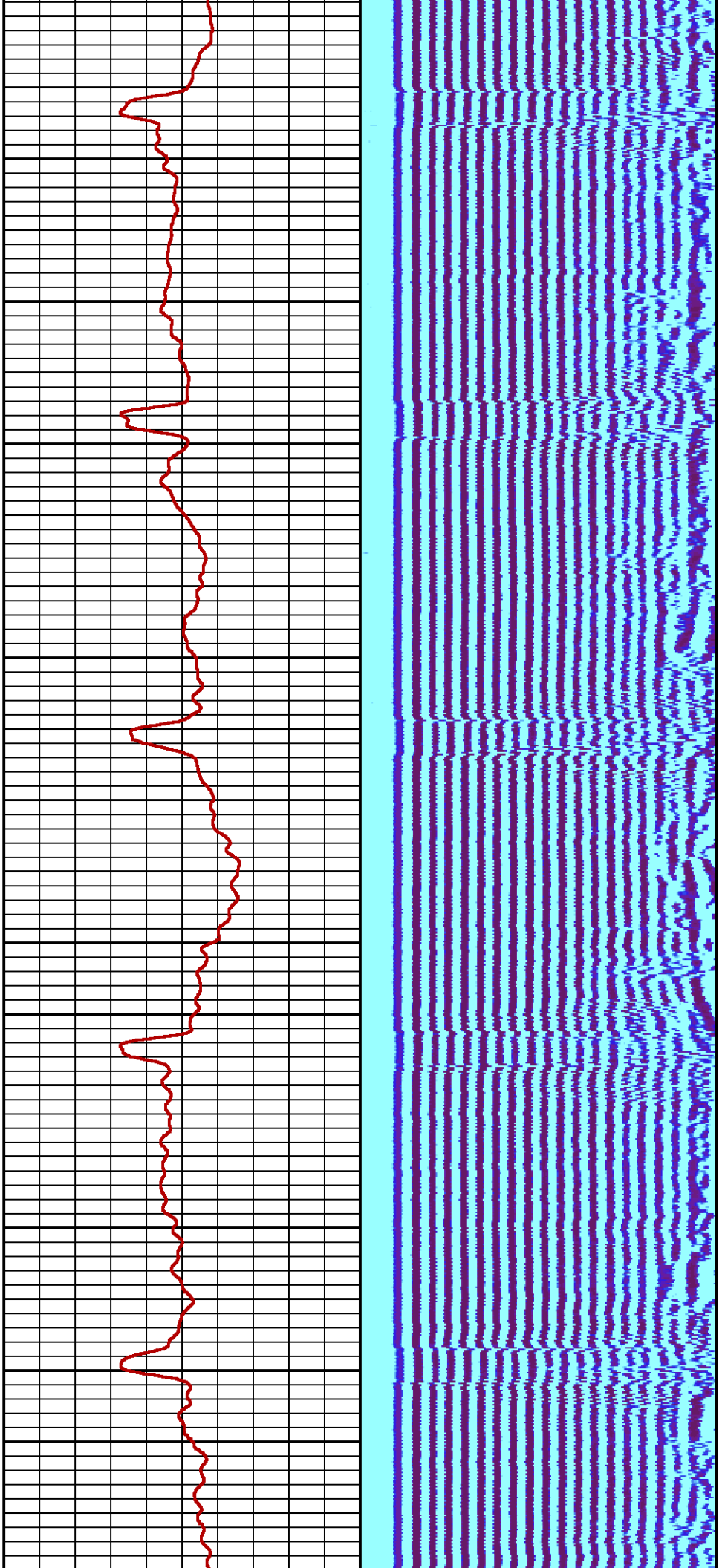


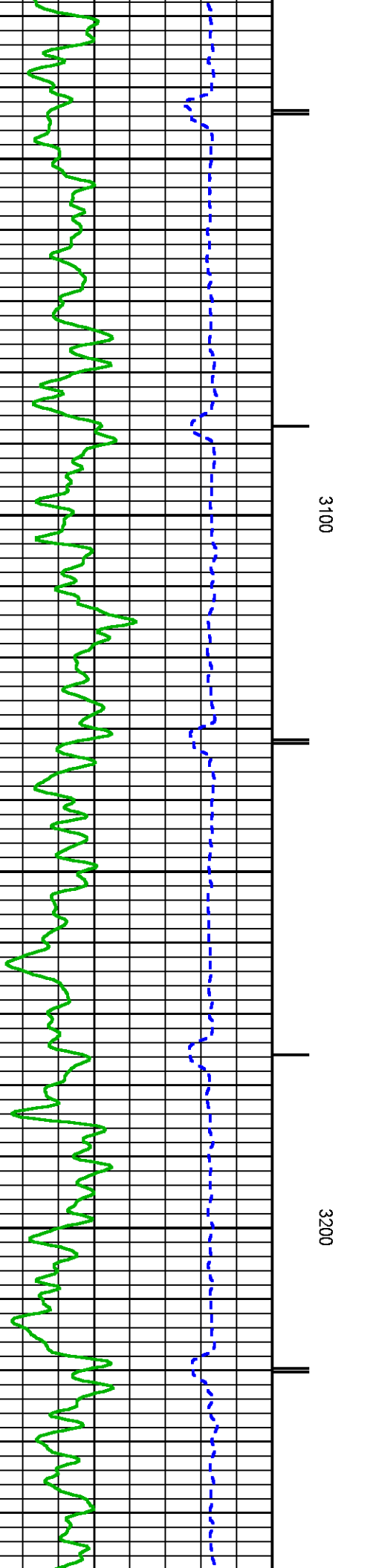
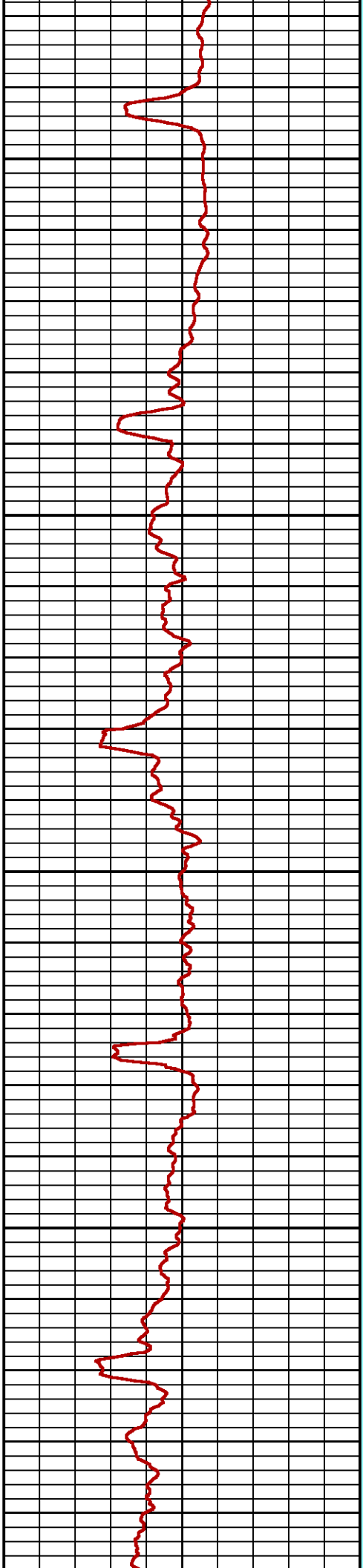
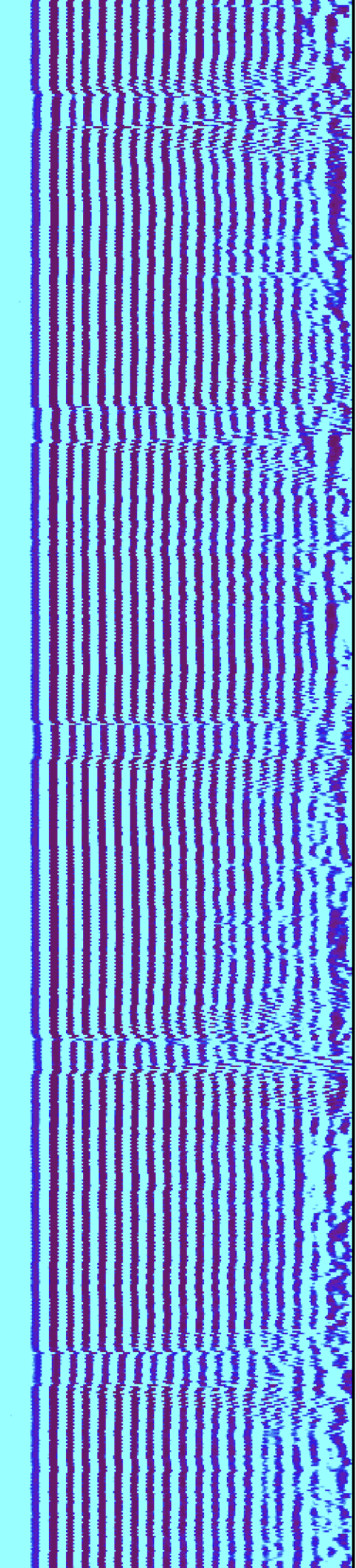






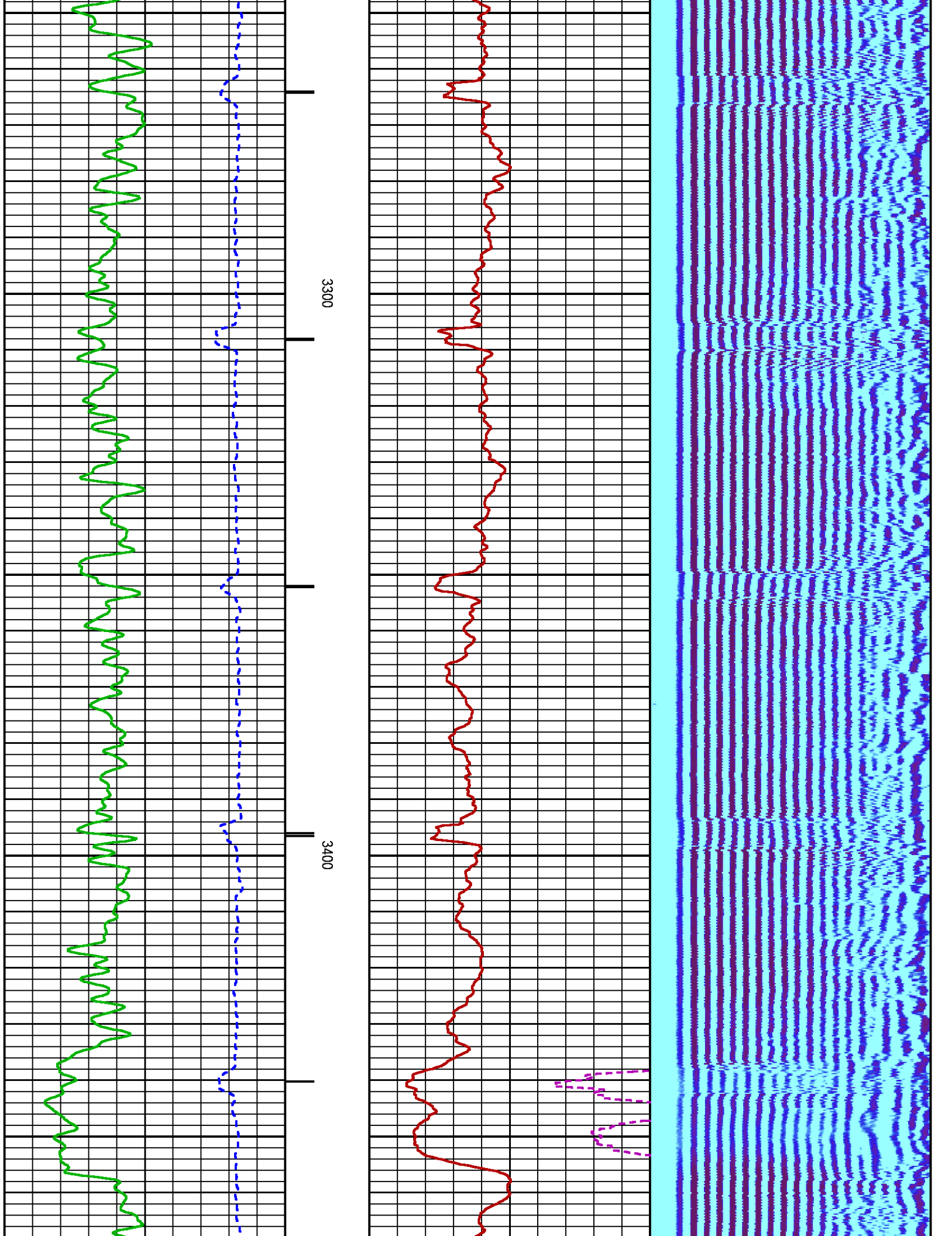


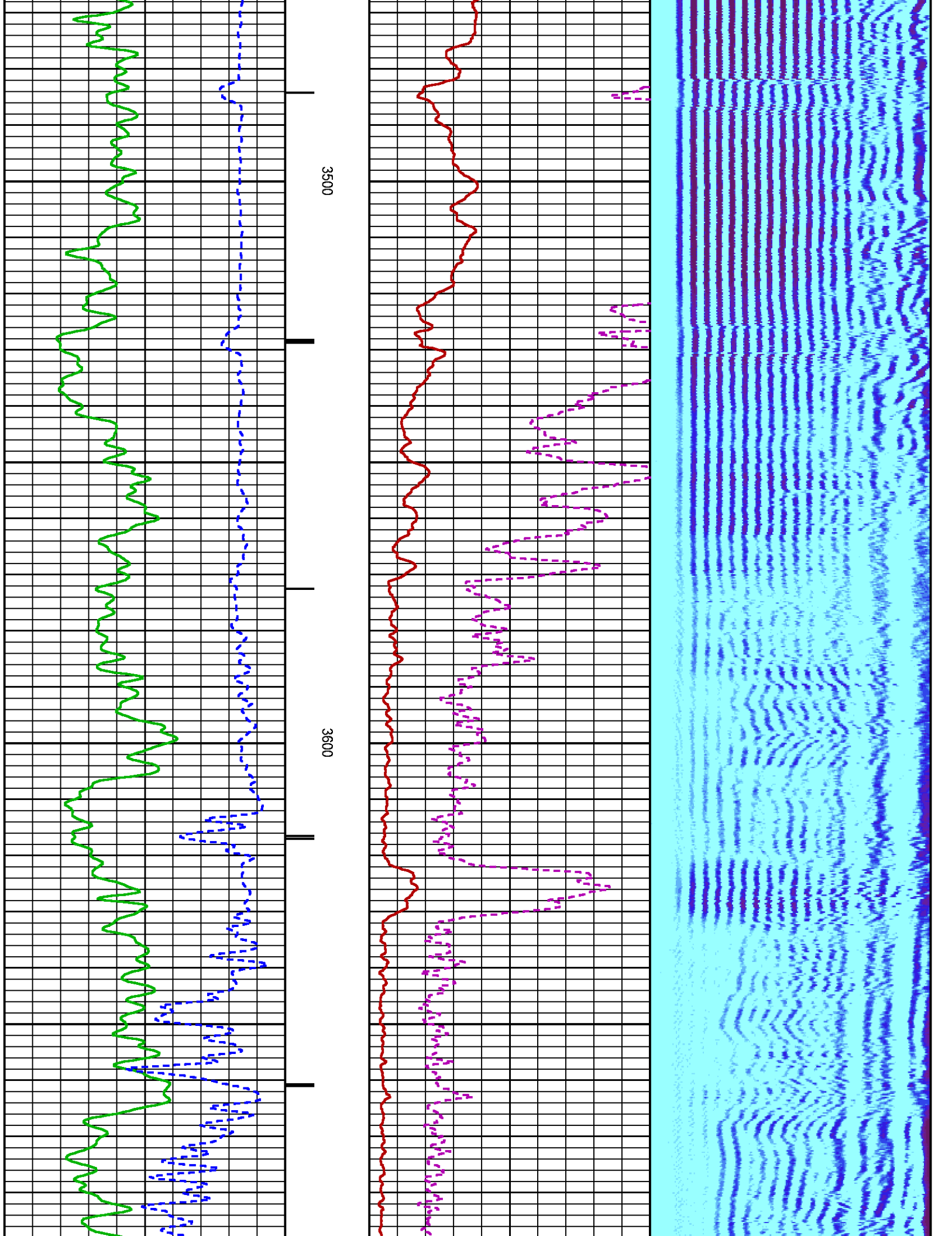


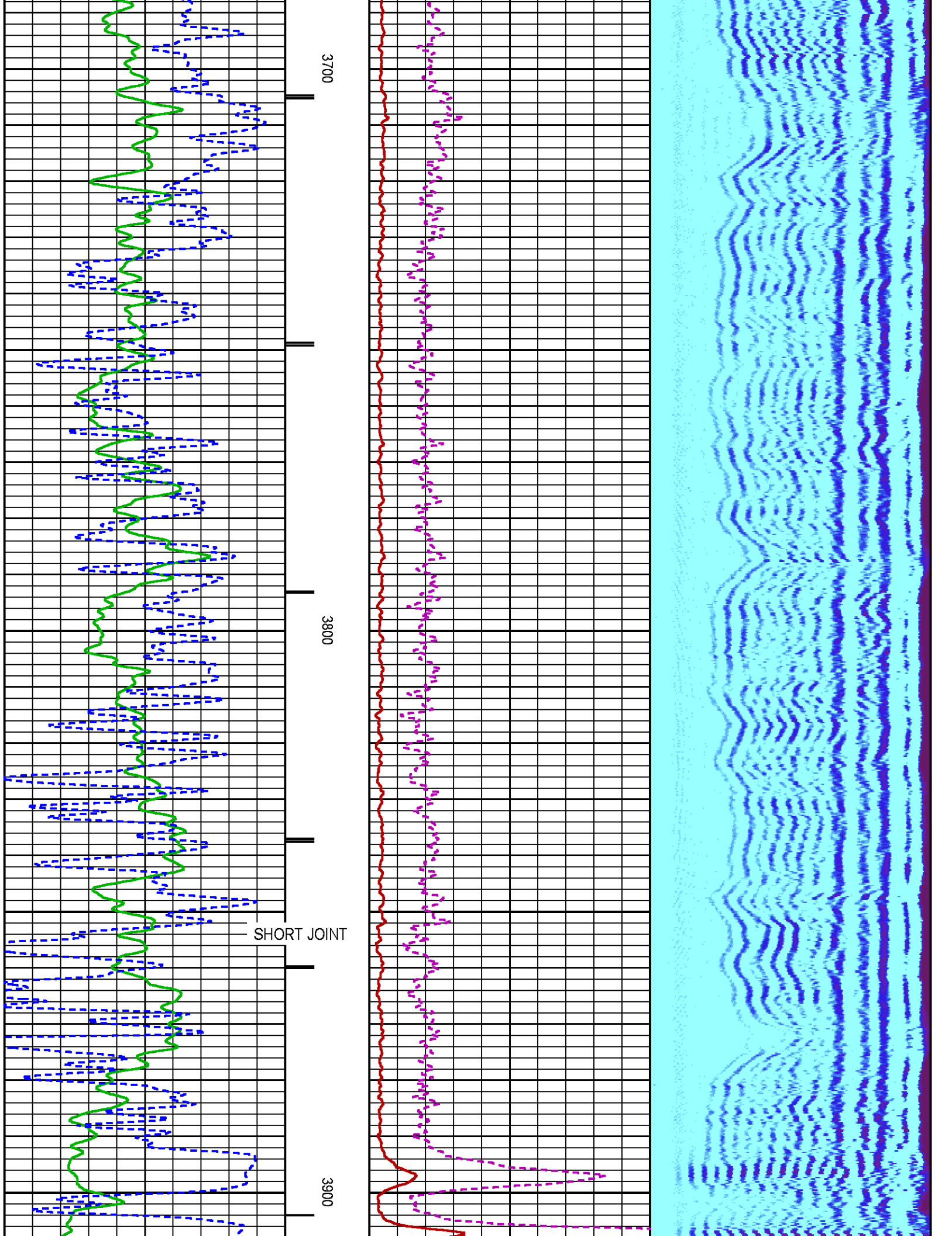


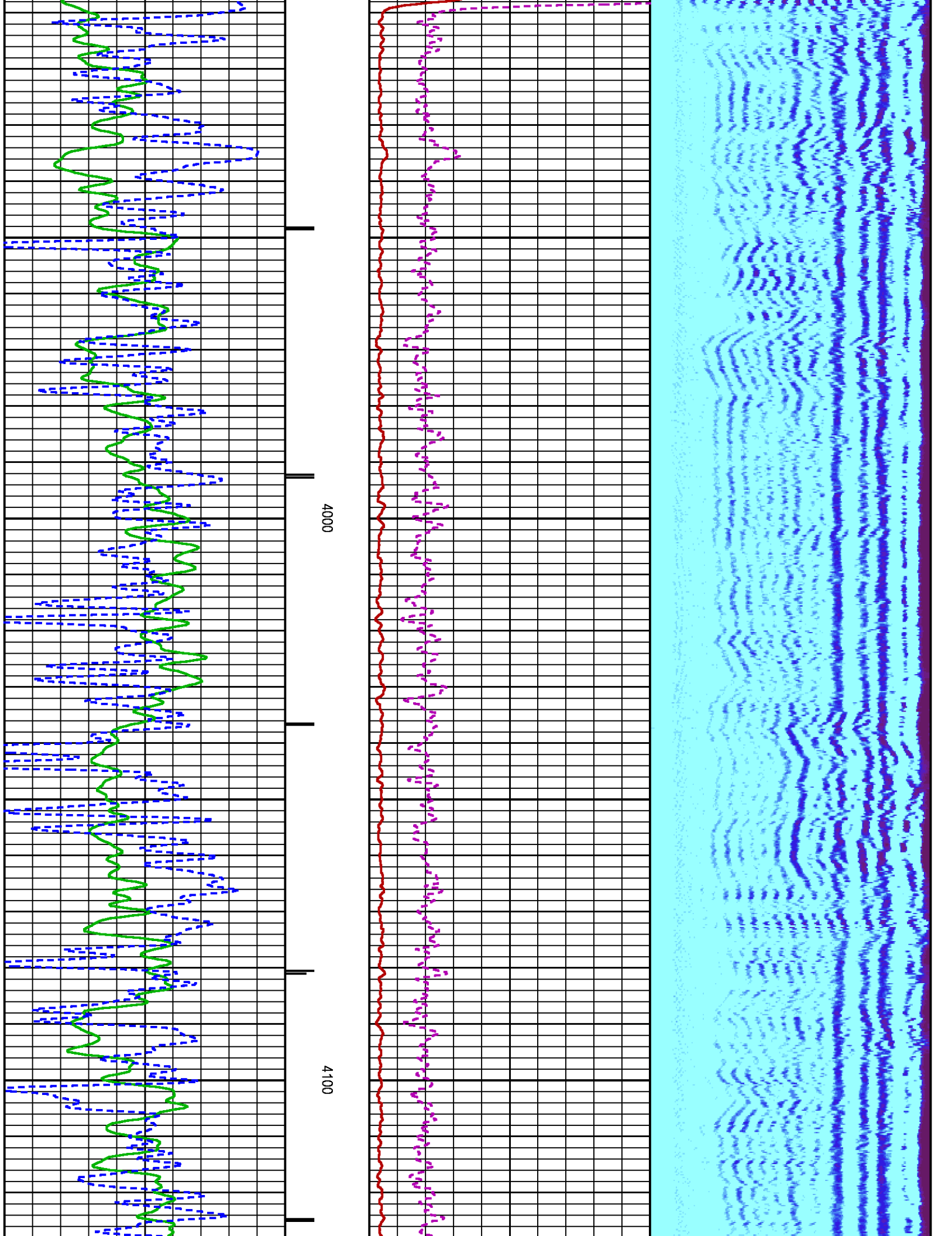
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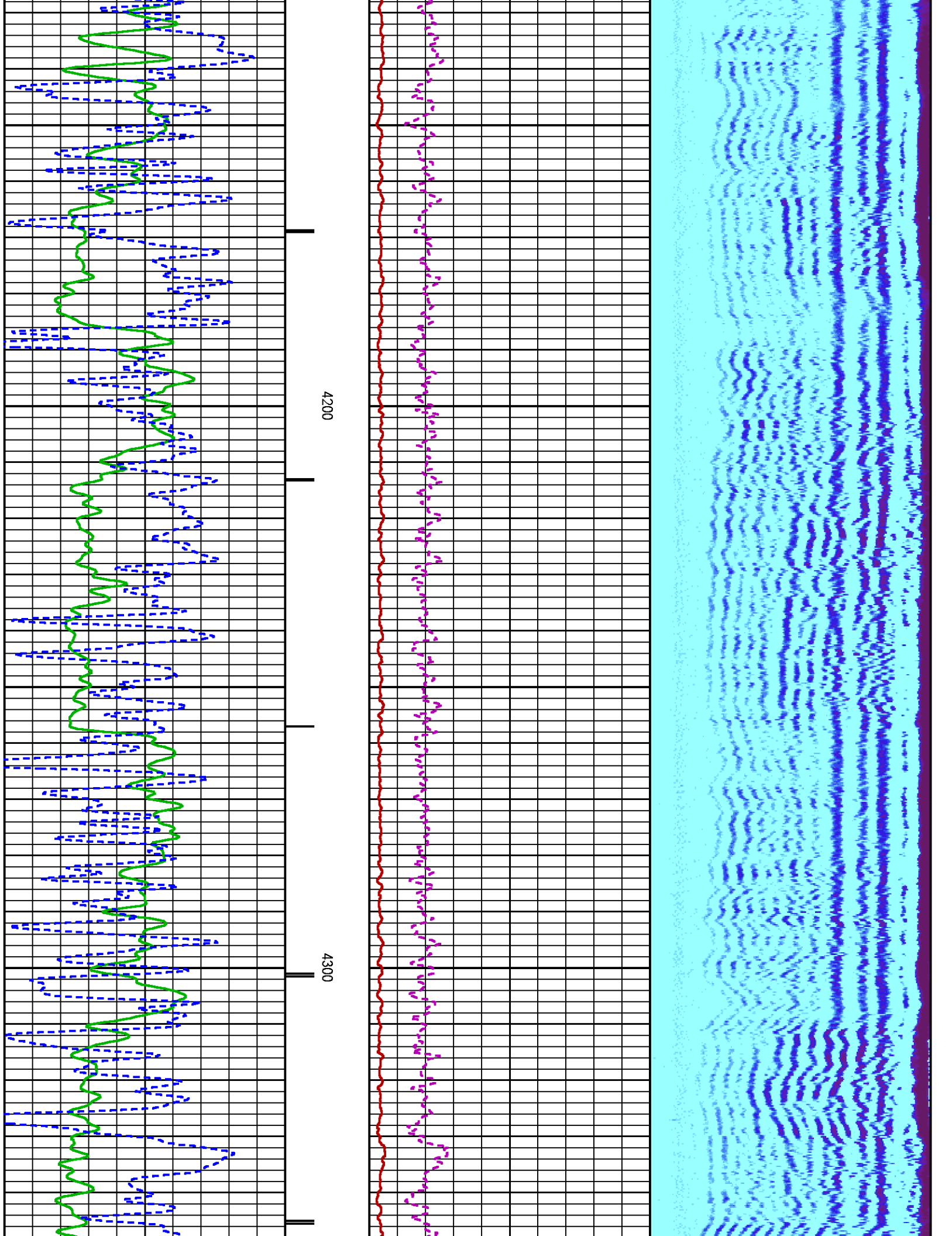
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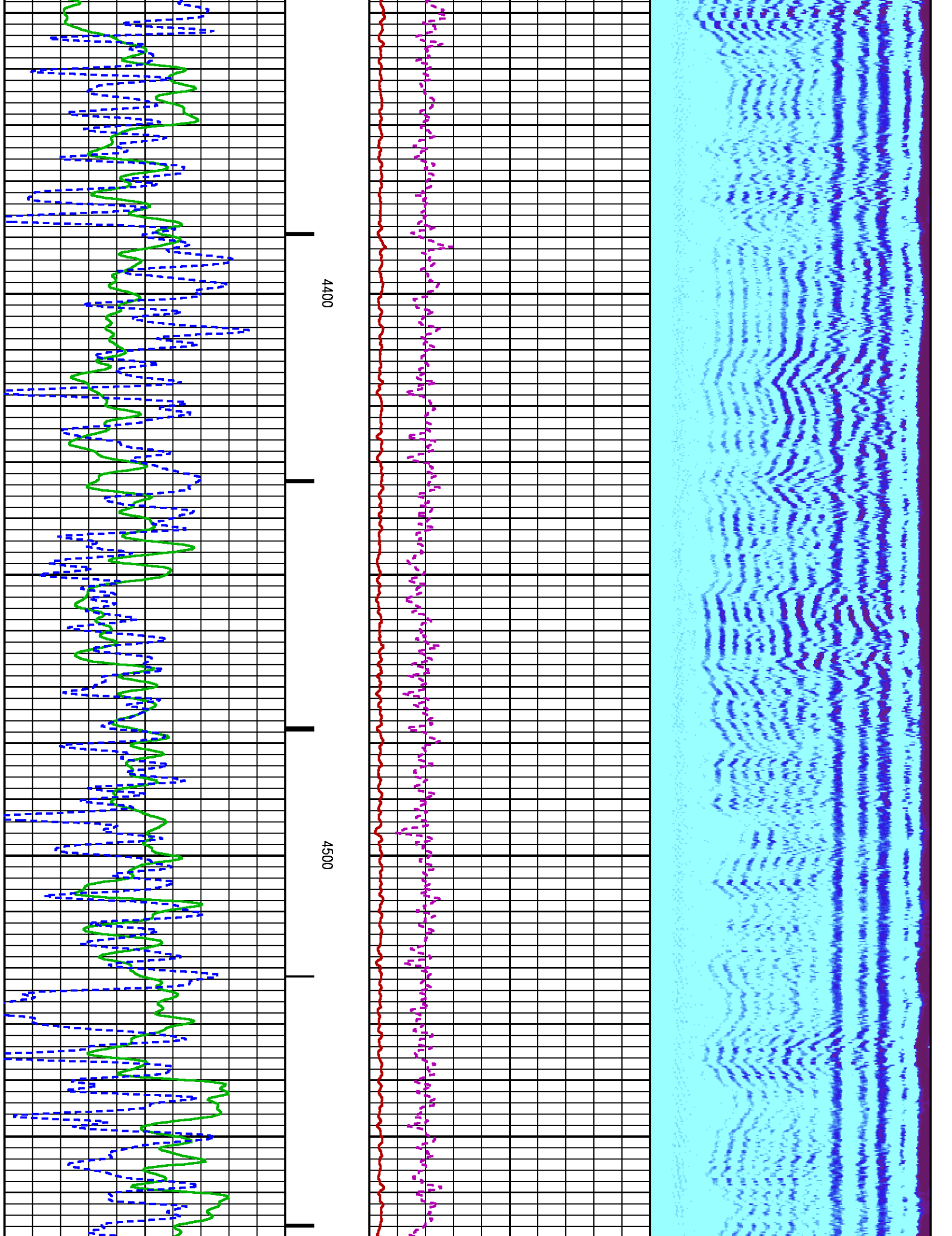


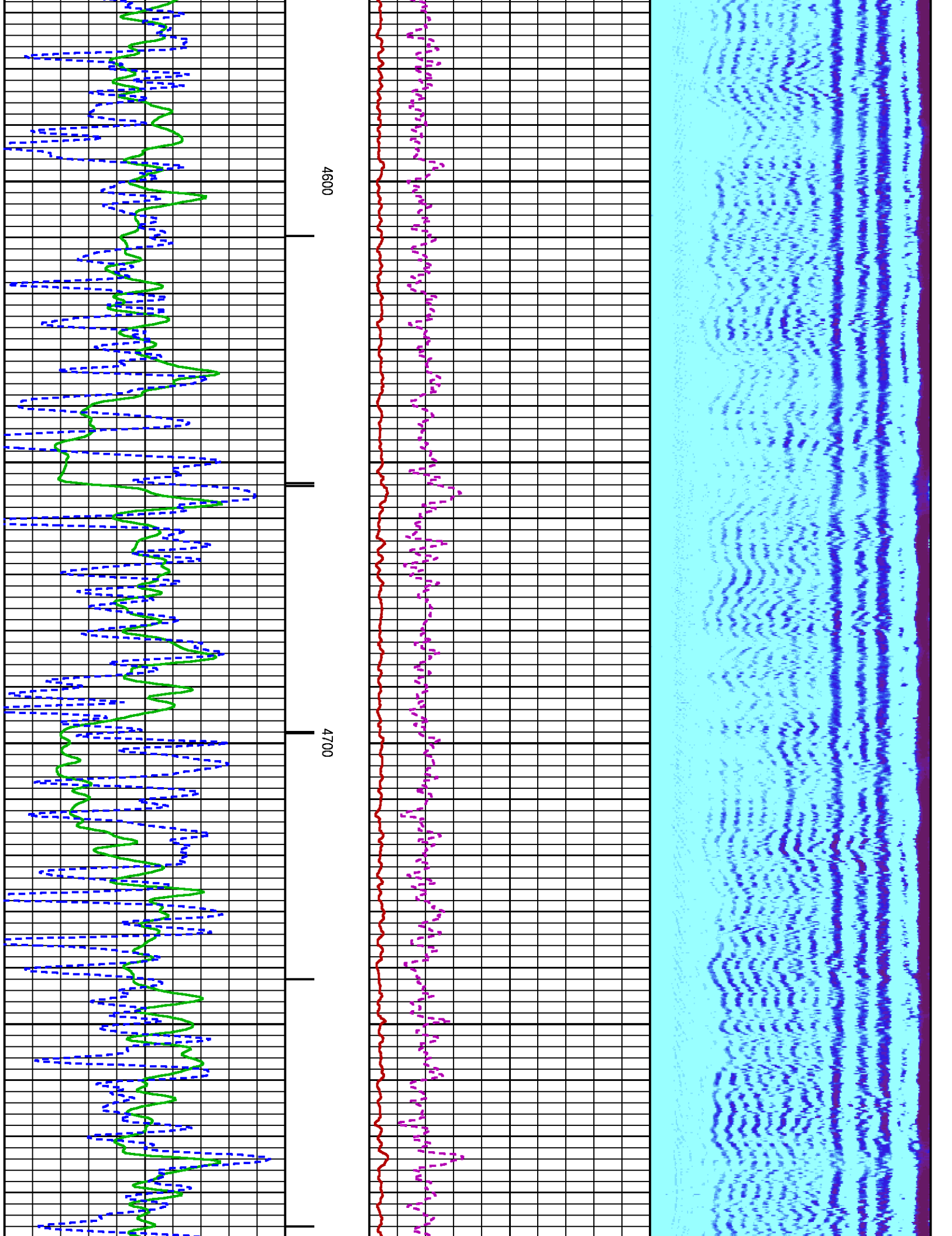


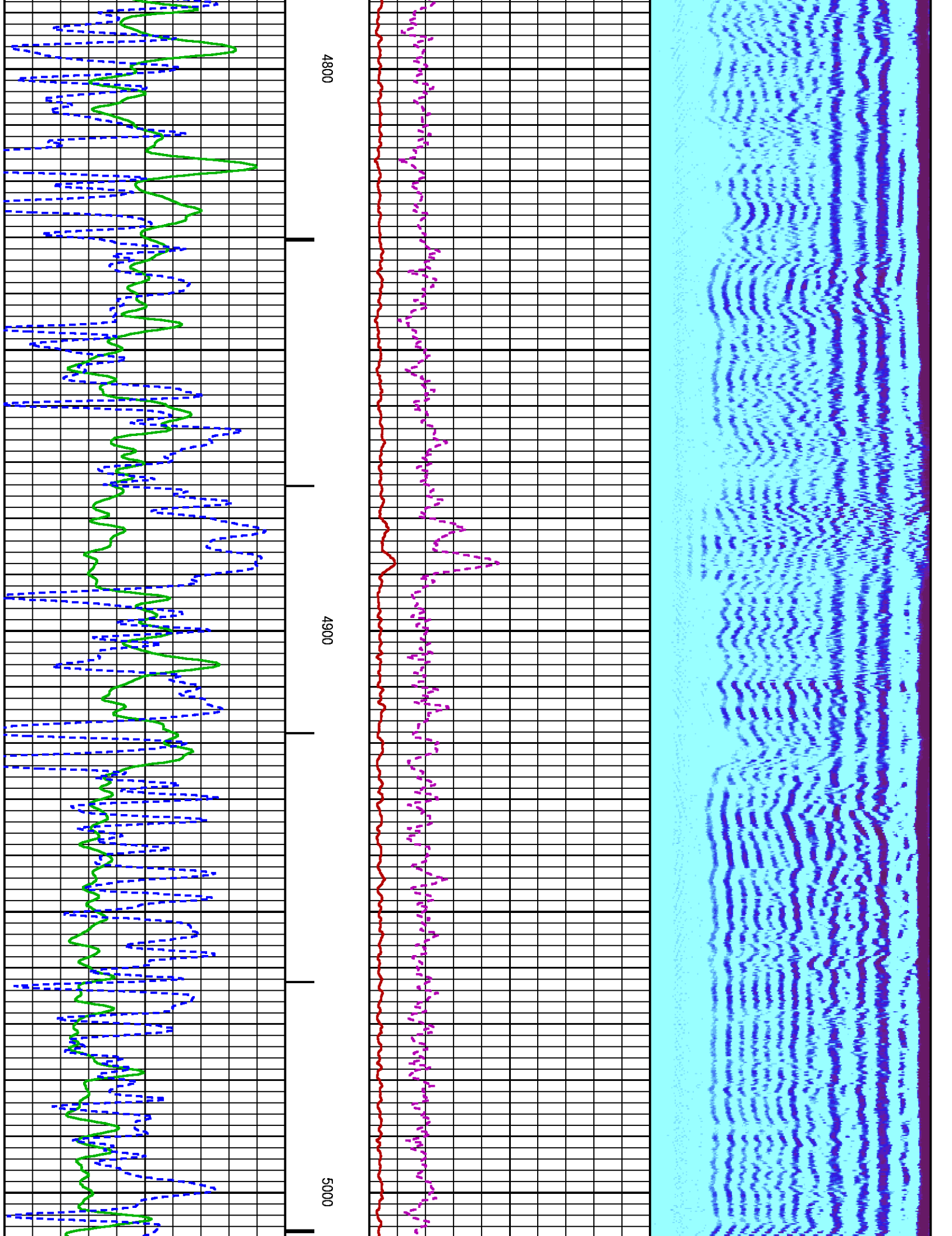


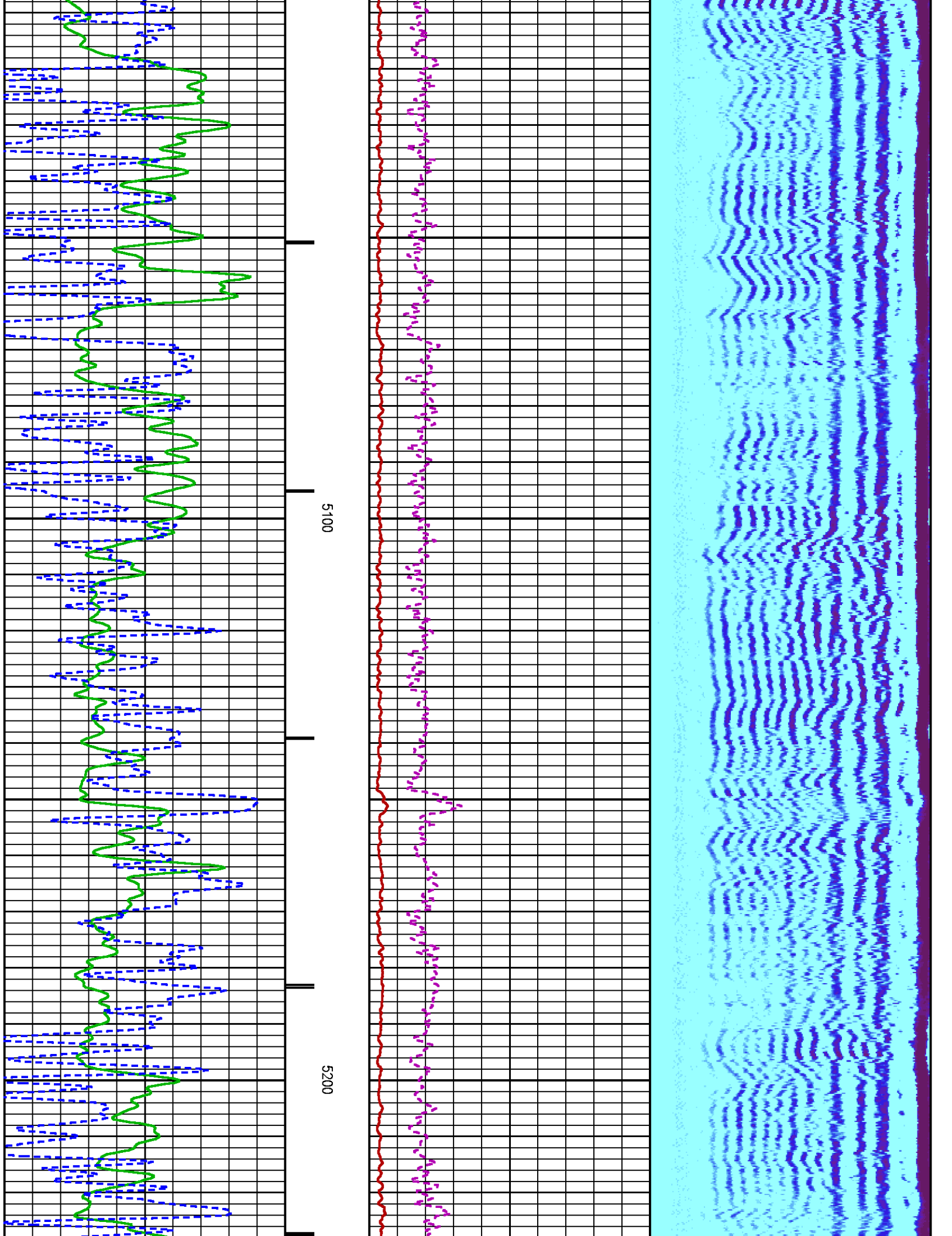


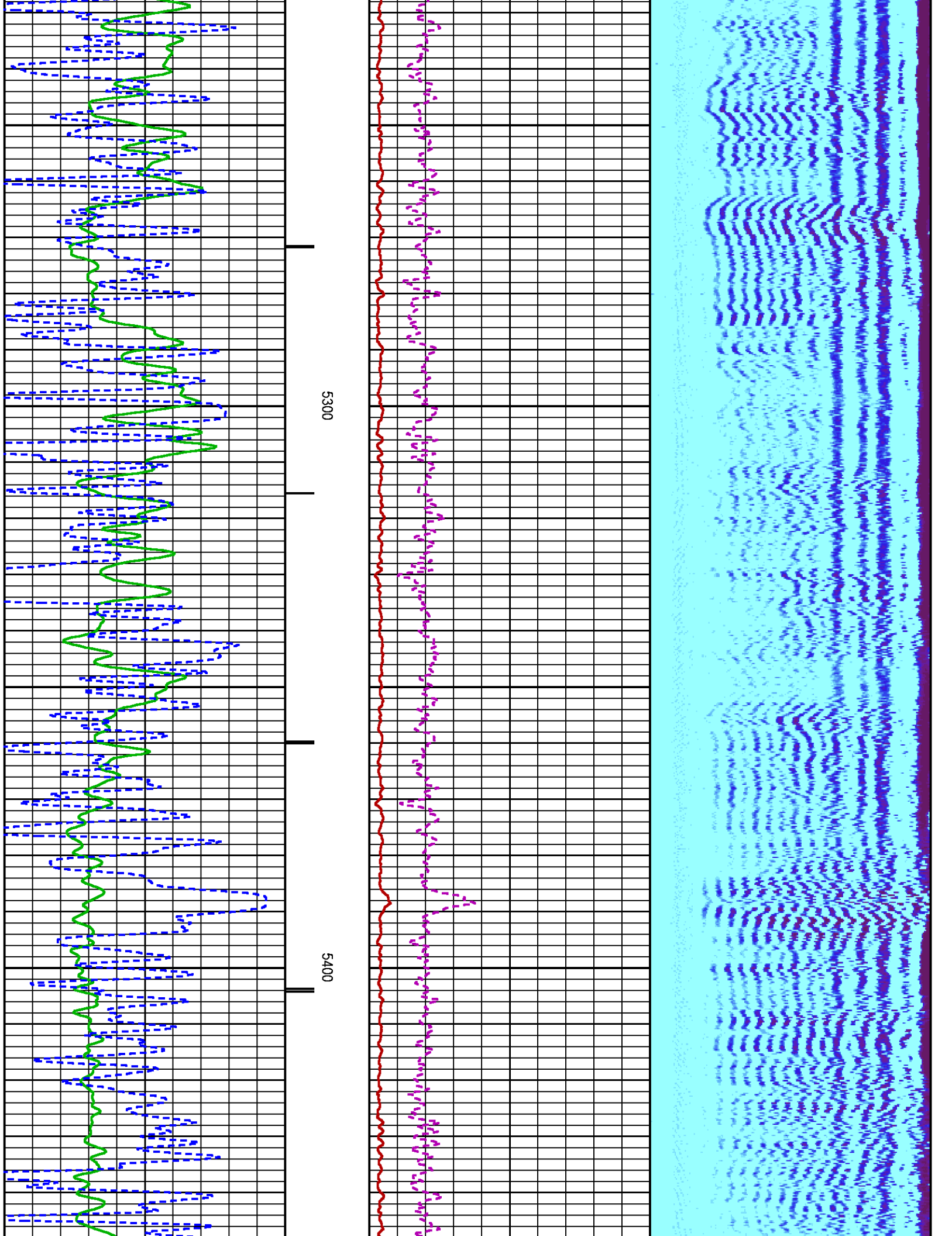


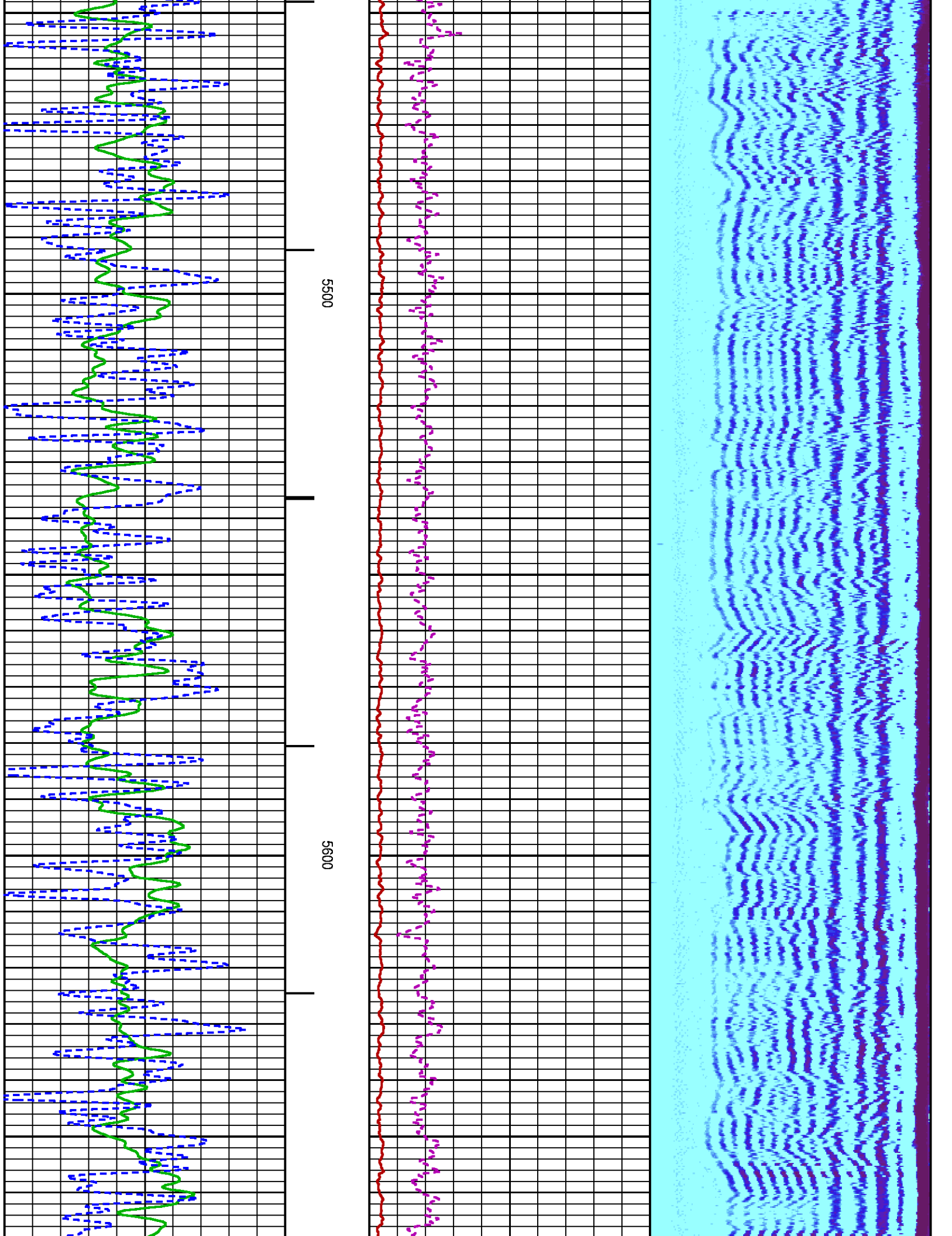


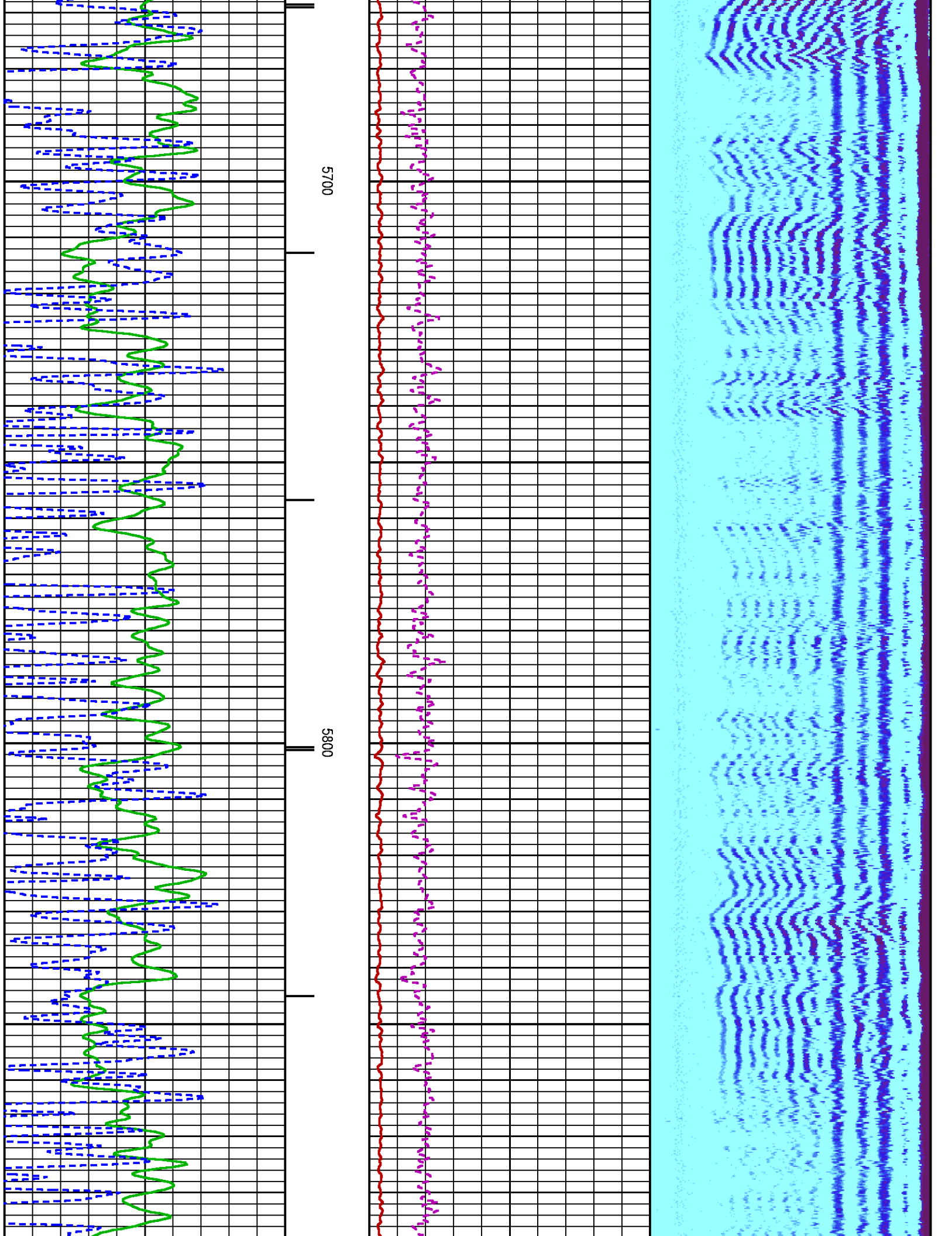


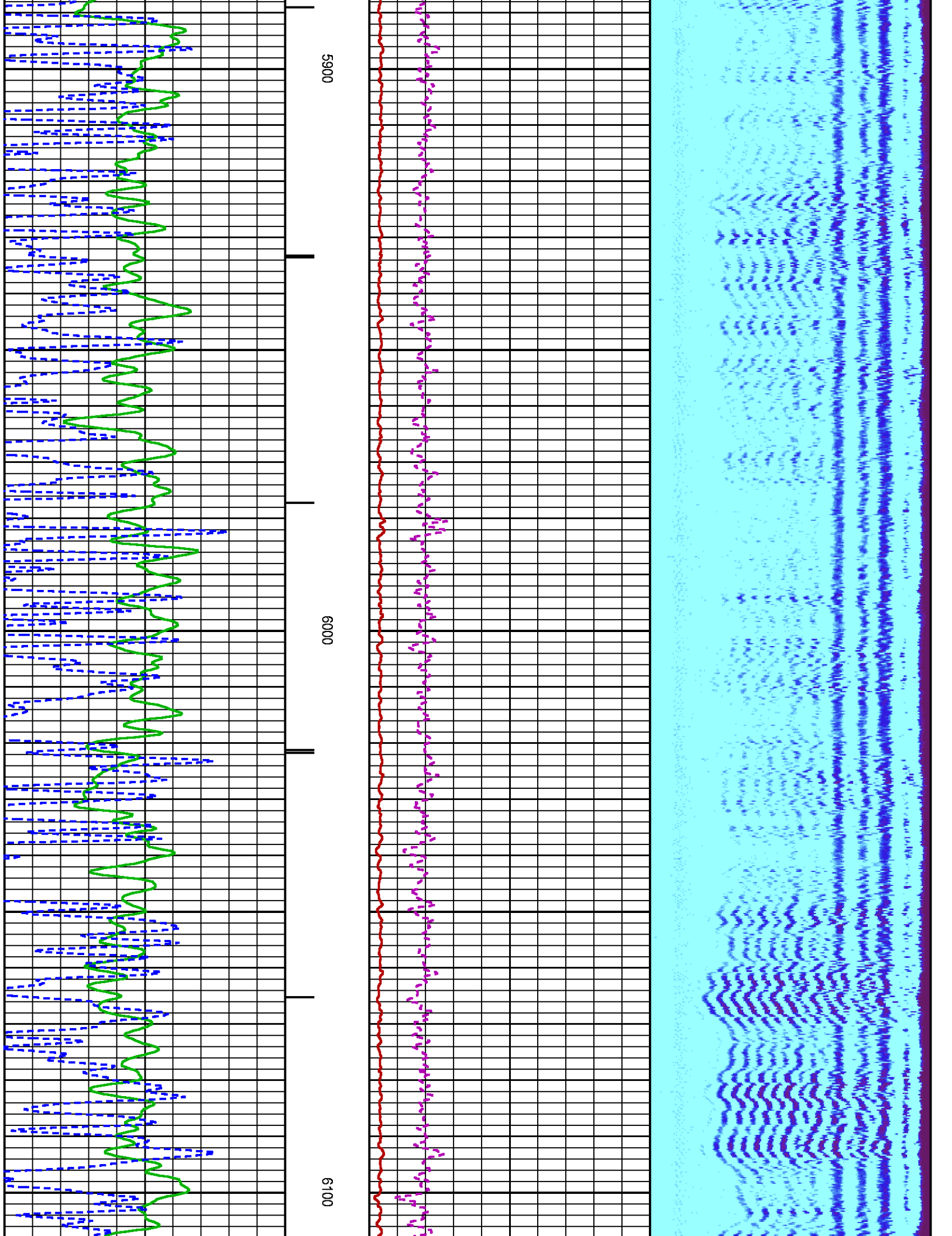


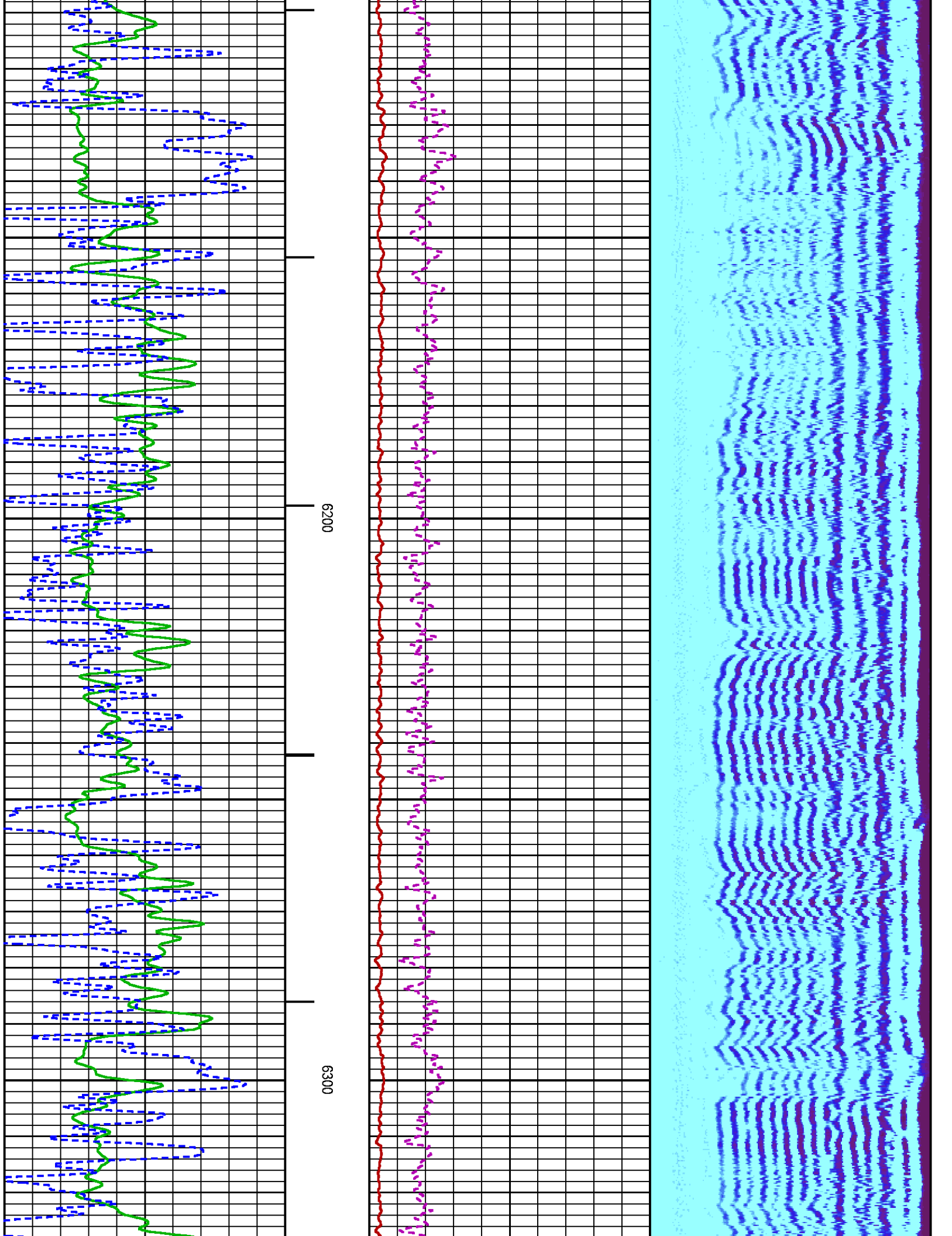


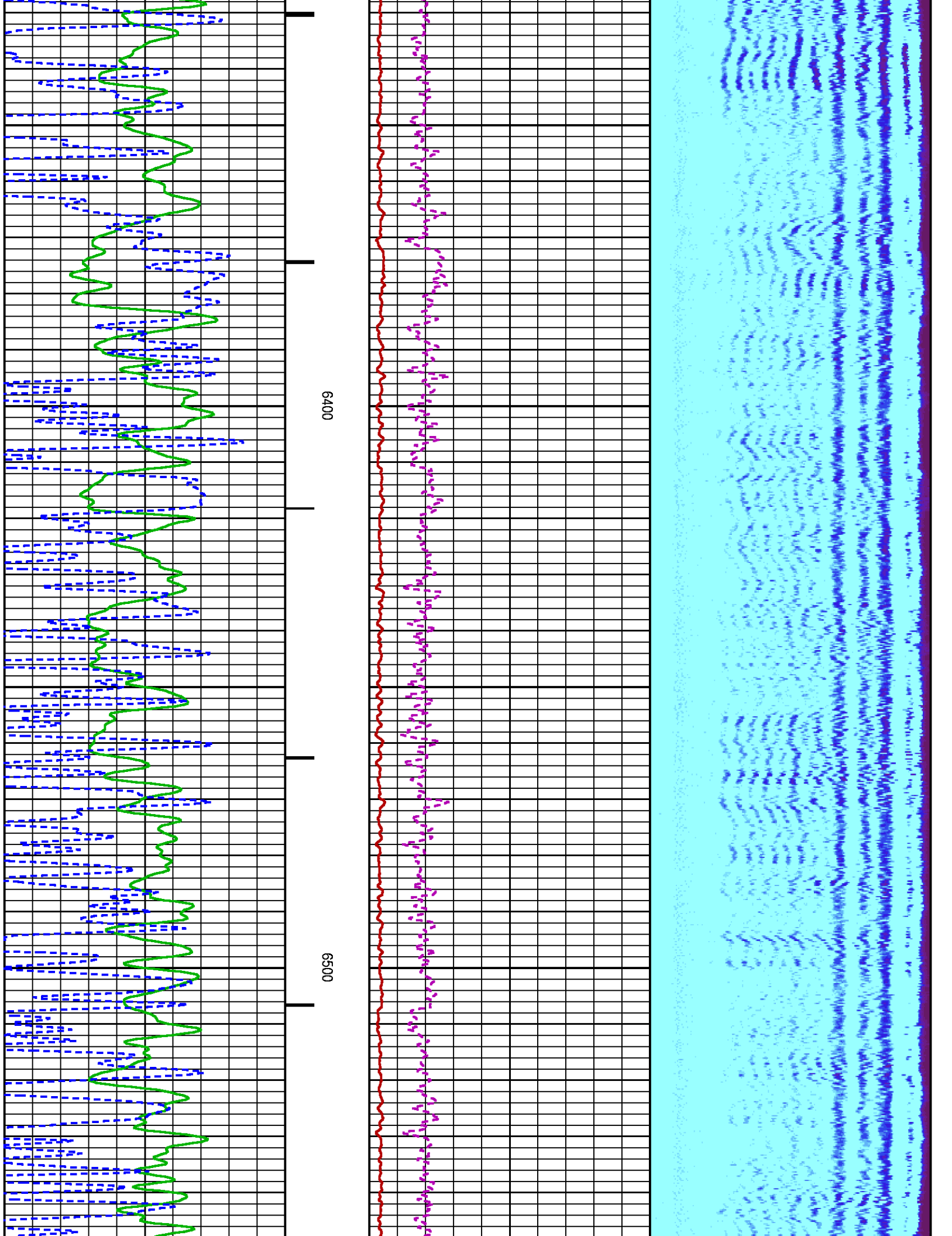


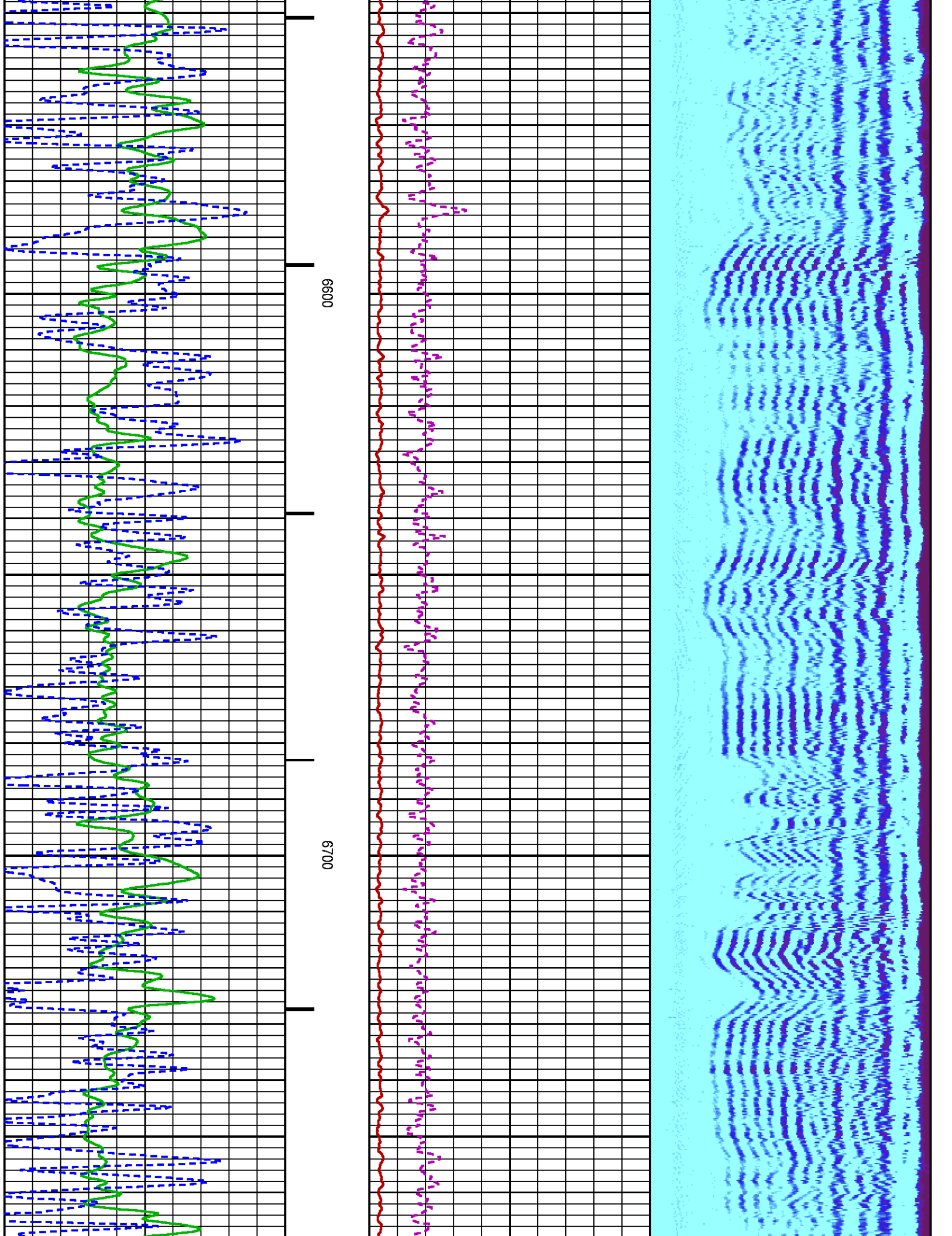


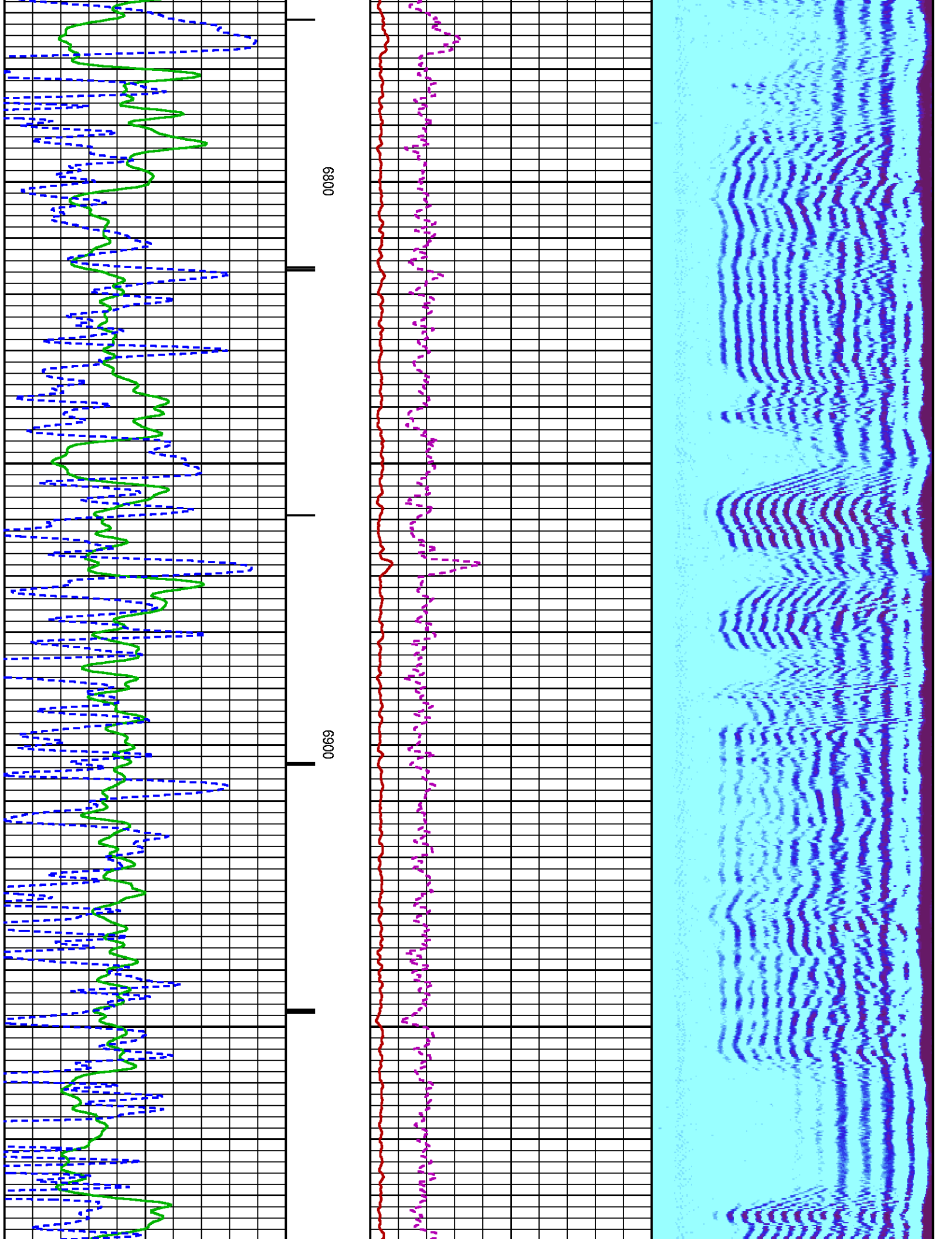


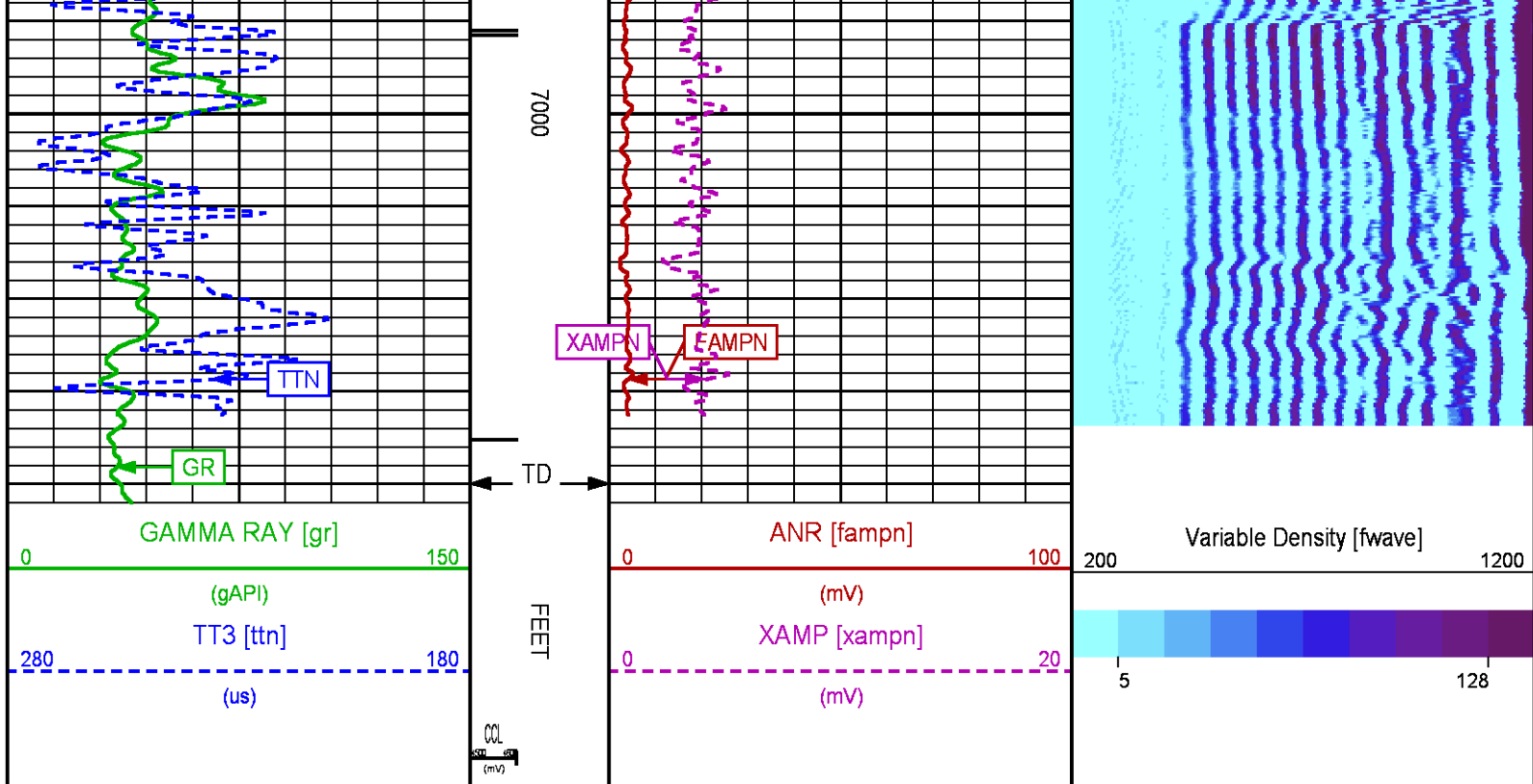












SECONDARY PRESENTATION 0 PSI

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: Thu Jan 01 16:35:31 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093576\012g02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 19.750 ft BOTTOM DEPTH: 7044.398 ft

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
GR	FILTER ()	medium (1)		TOP	BOTTOM
AMPLITUDE	FILTER ()	medium (1) light (2a)		TOP 3087.750	BOTTOM 3087.750
TRAVEL TIME	FILTER ()	medium (1)		TOP	BOTTOM

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*)	181	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	181	us	"	"
	AMP WINDOW START (fgp3*)	181	us	"	"
	AMP WINDOW START (fgp4*)	181	us	"	"
	AMP WINDOW START (fgp5*)	181	us	"	"

	AMP WINDOW START (fgp6*)	181	us	"	"
	AMP WINDOW START (fgp7*)	181	us	"	"
	AMP WINDOW START (fgp8*)	181	us	"	"
	AMP WINDOW START (fgpn*)	181	us	"	"
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	170	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-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	"	"
BASELINE NOISE (NEAR)	TOOL DELAY (strn*)	-72	us	"	"
	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

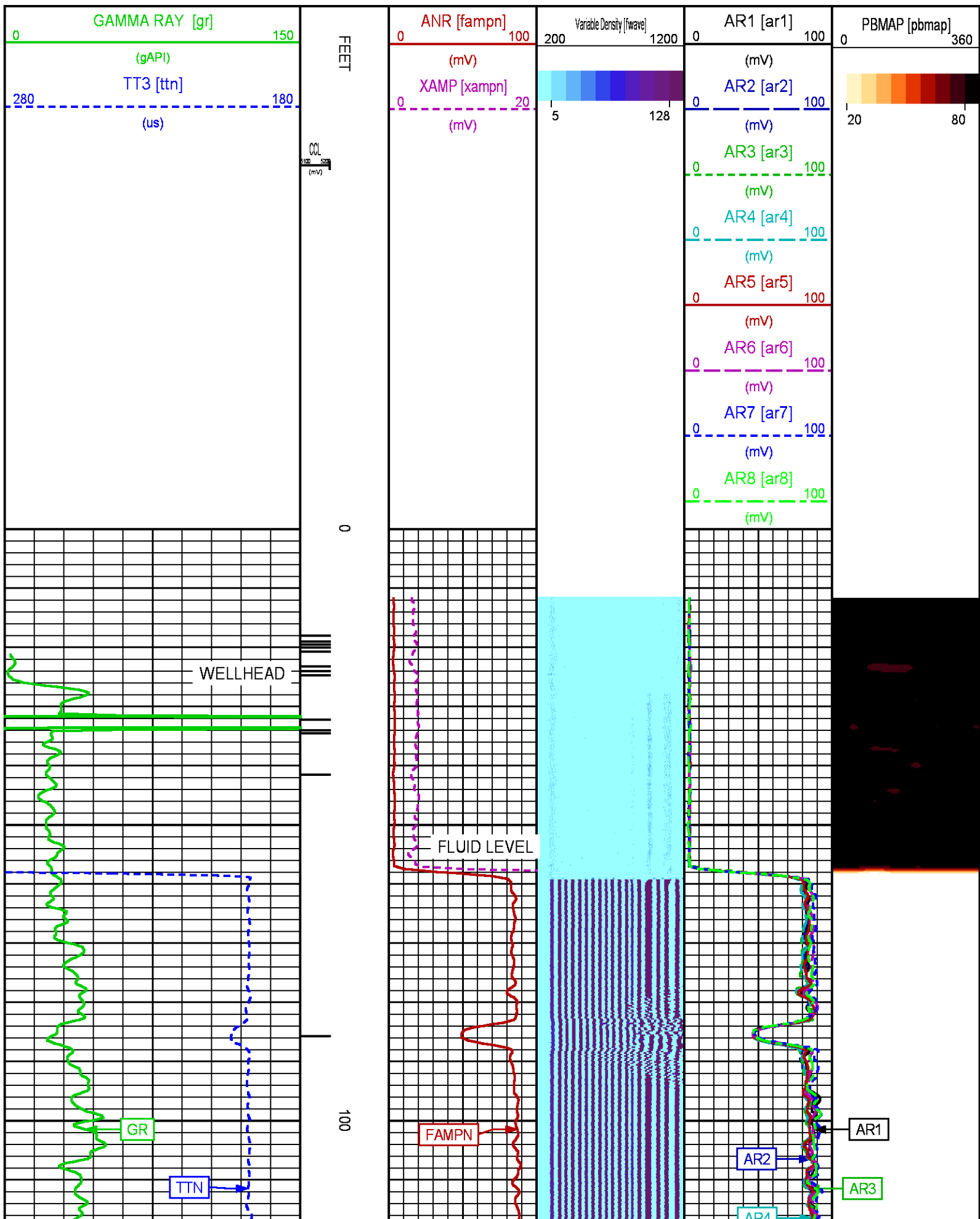
PERCENT BOND CEMENT MAP					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE 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	"	"

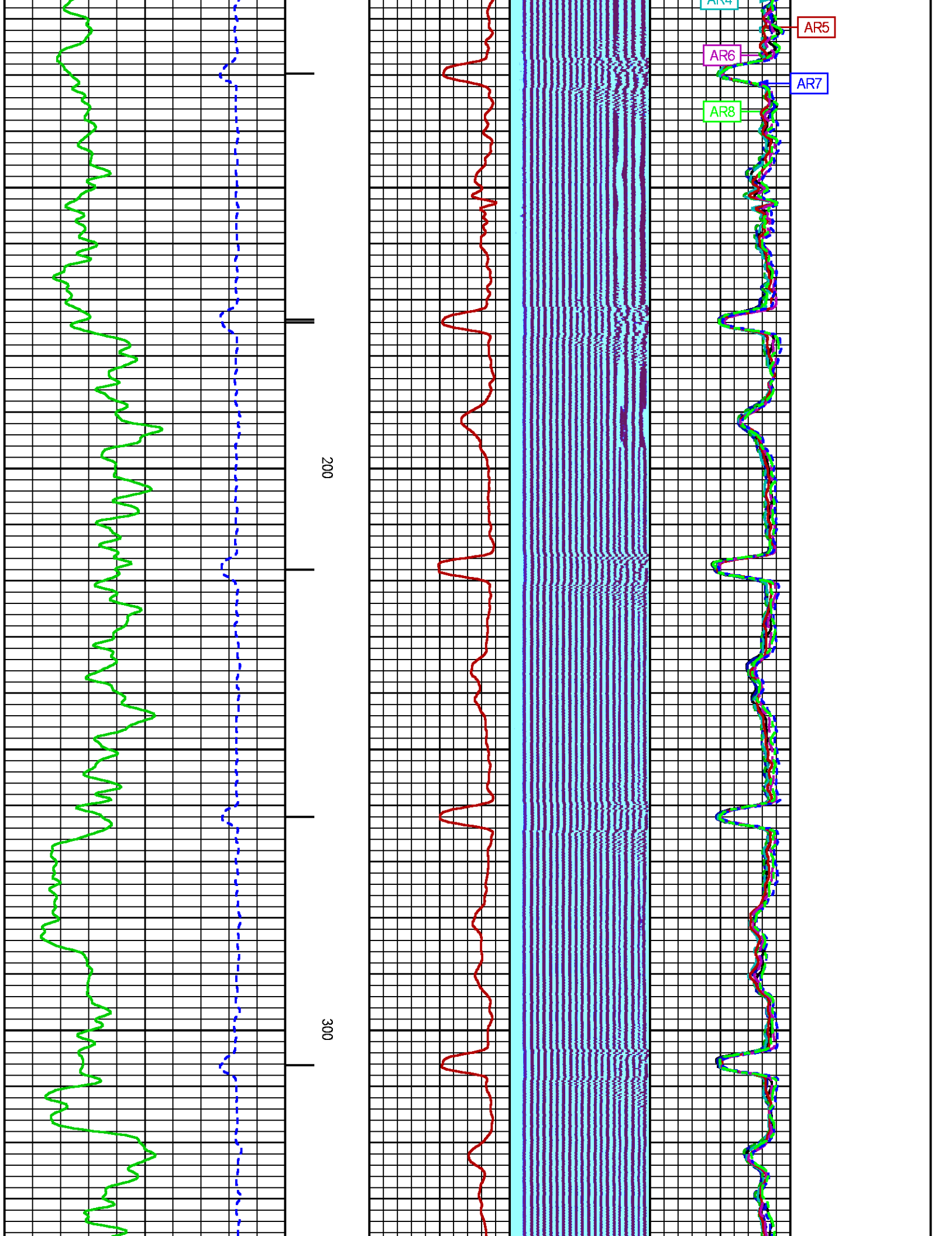
CURVE DESCRIPTION REPORT		
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:AR1	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE T-R1
F1:AR2	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE T-R2
F1:AR3	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE T-R3
F1:AR4	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE T-R4
F1:AR5	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE T-R5
F1:AR6	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE T-R6
F1:AR7	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE T-R7
F1:AR8	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE T-R8
F1:CCL	Jan 1 11:08:54 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 1 11:08:54 2015	FAR WAVE FORM
F1:GR	Jan 1 11:08:54 2015	GAMMA RAY
F1:PBMAP	Jan 1 11:08:54 2015	PERCENT BOND CEMENT MAP
F1:TTN	Jan 1 11:08:54 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 1 11:08:54 2015	FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE

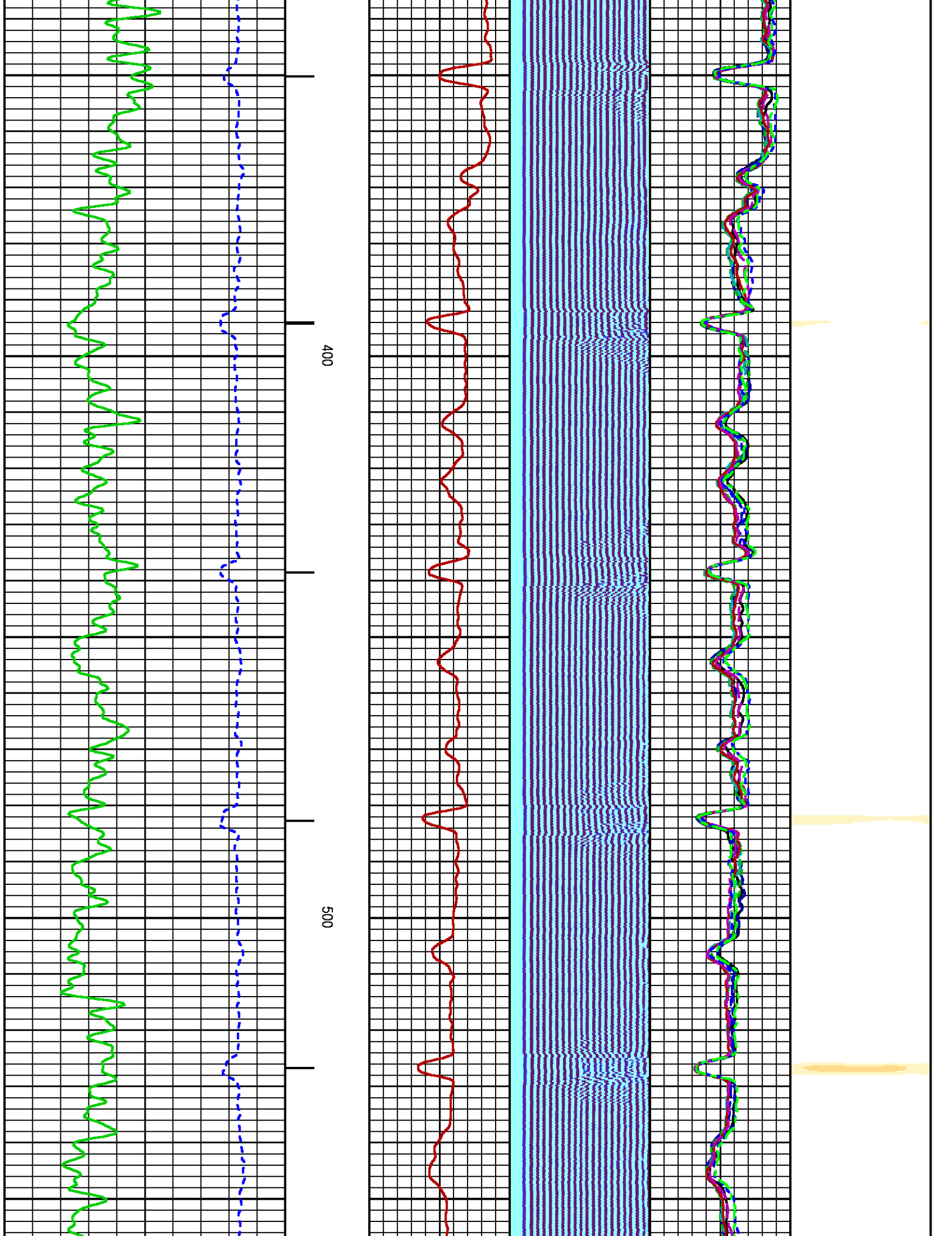
CURVE MEASURE POINT OFFSET					
CURVE	OFFSET (ft)	CURVE	OFFSET (ft)	CURVE	OFFSET (ft)
AR1	11.25	AR5	11.25	CCL	5.75
AR2	11.25	AR6	11.25	FAMPN	11.25
AR3	11.25	AR7	11.25	GR	1.75
AR4	11.25	AR8	11.25	TTN	11.25
				XAMPN	11.25

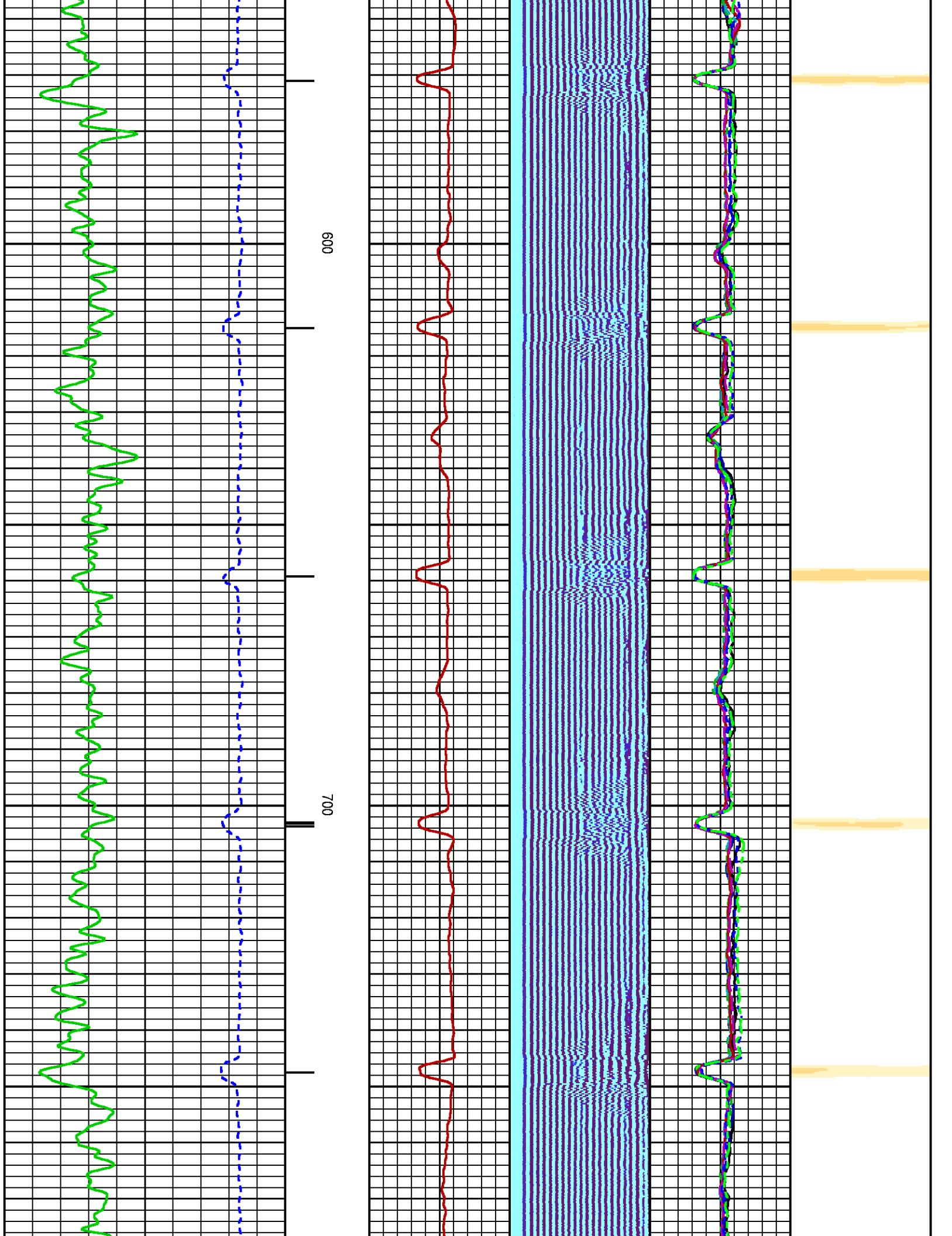
Presentation	: BHUGHES-06627:C:\dat1a\093576\333_CBL_SECONDARY.fvpdf [5"/100' Scale]
Plot Interval	: 0 - 7050 Feet
Data File 1	: F1 : BHUGHES-06627:C:\dat1a\093576\333_CBL_MAIN.xtf
Created On	: Jan 1 11:08:54 2015
Company	: WPX ENERGY

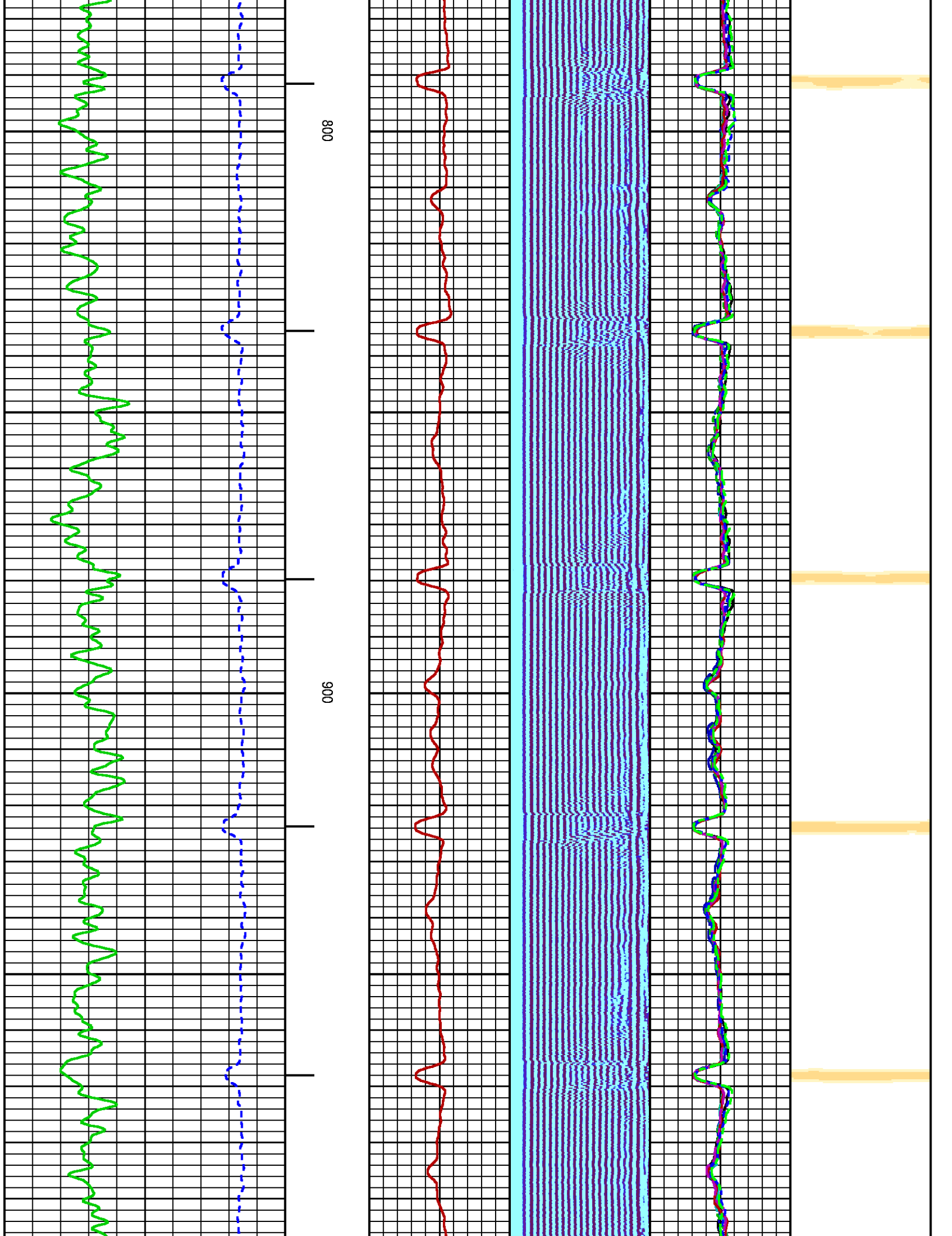
Well : WPX GM 333-28
Field : GRAND VALLEY
File Interval : 10.5 - 7045 Feet
OCT : n012g

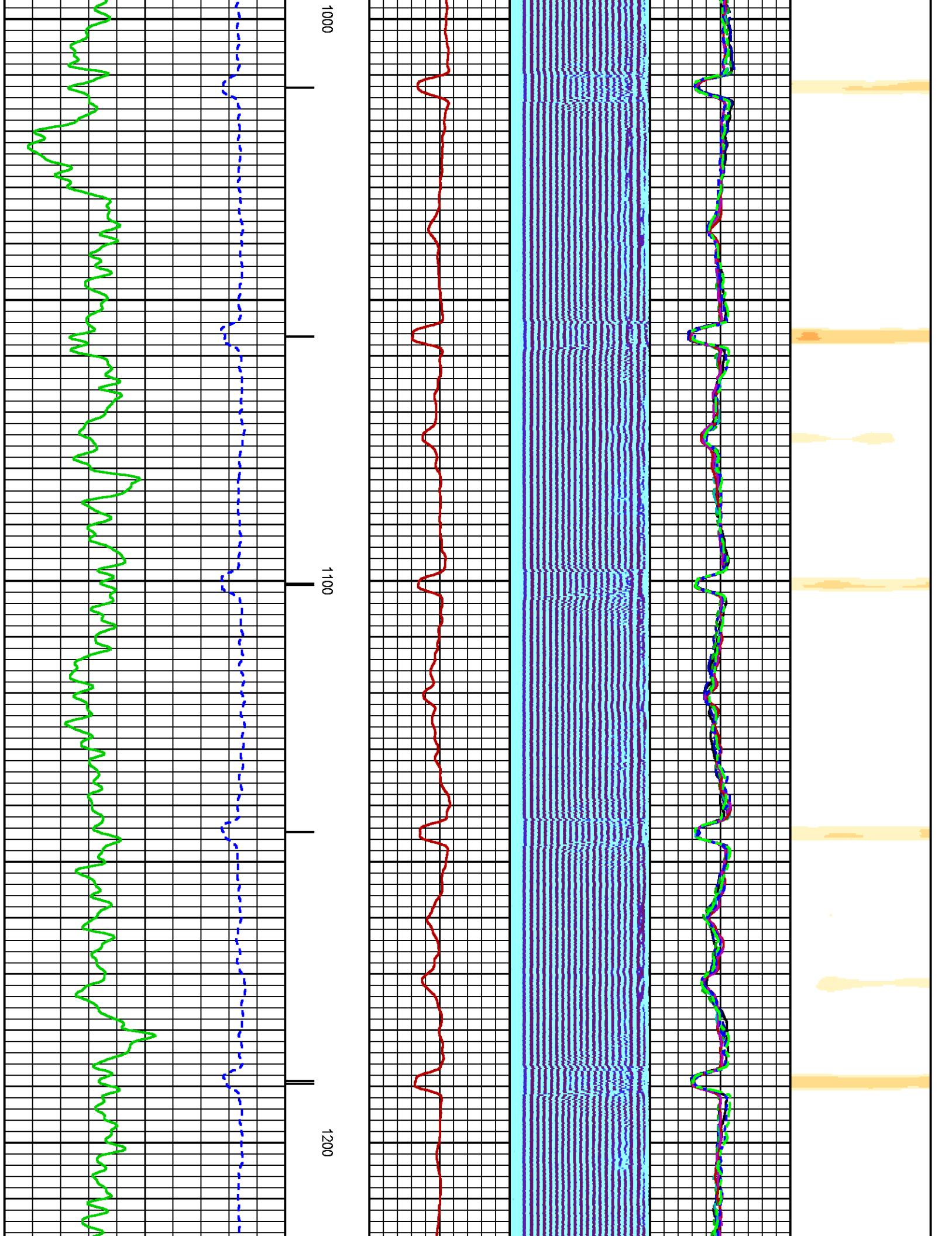


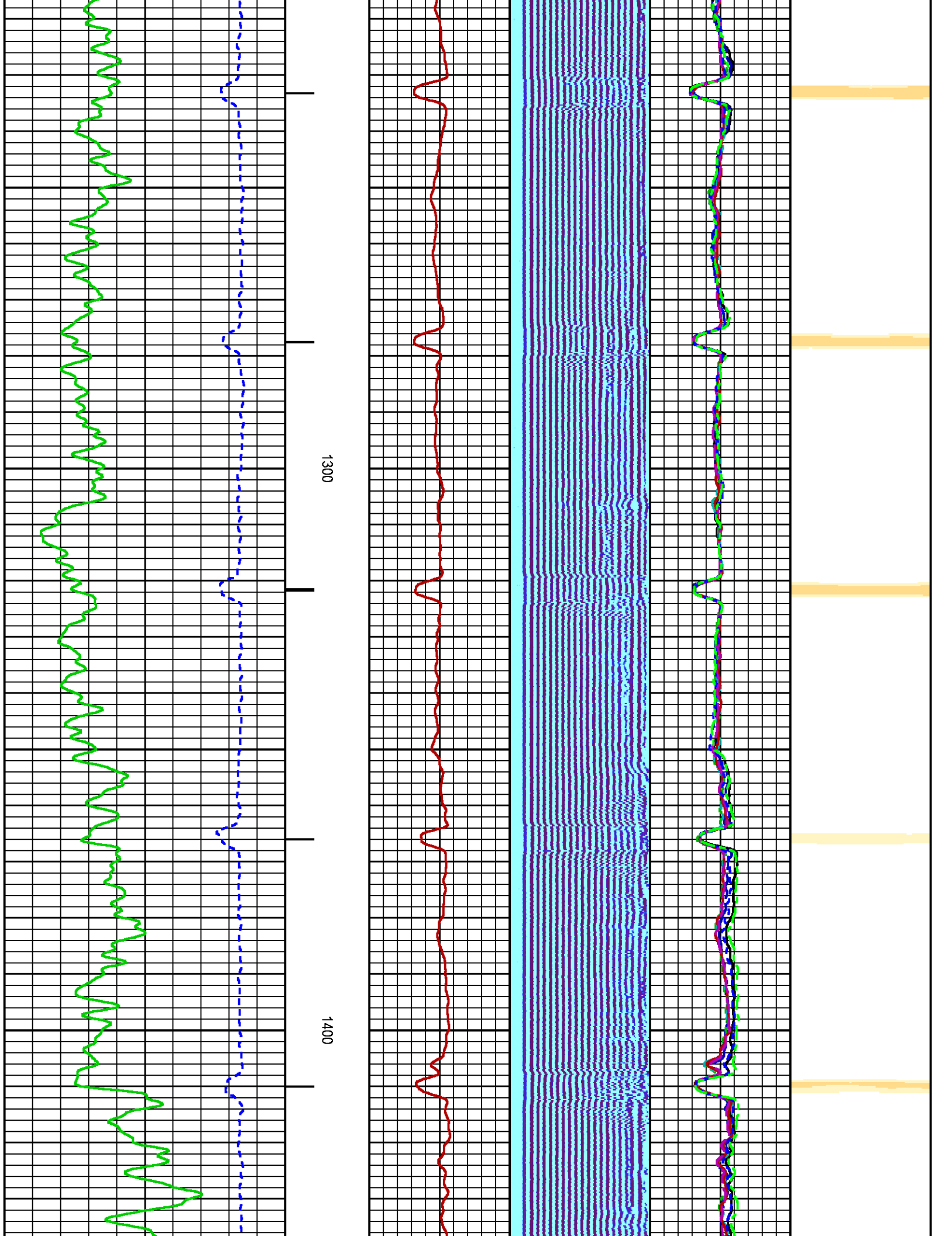


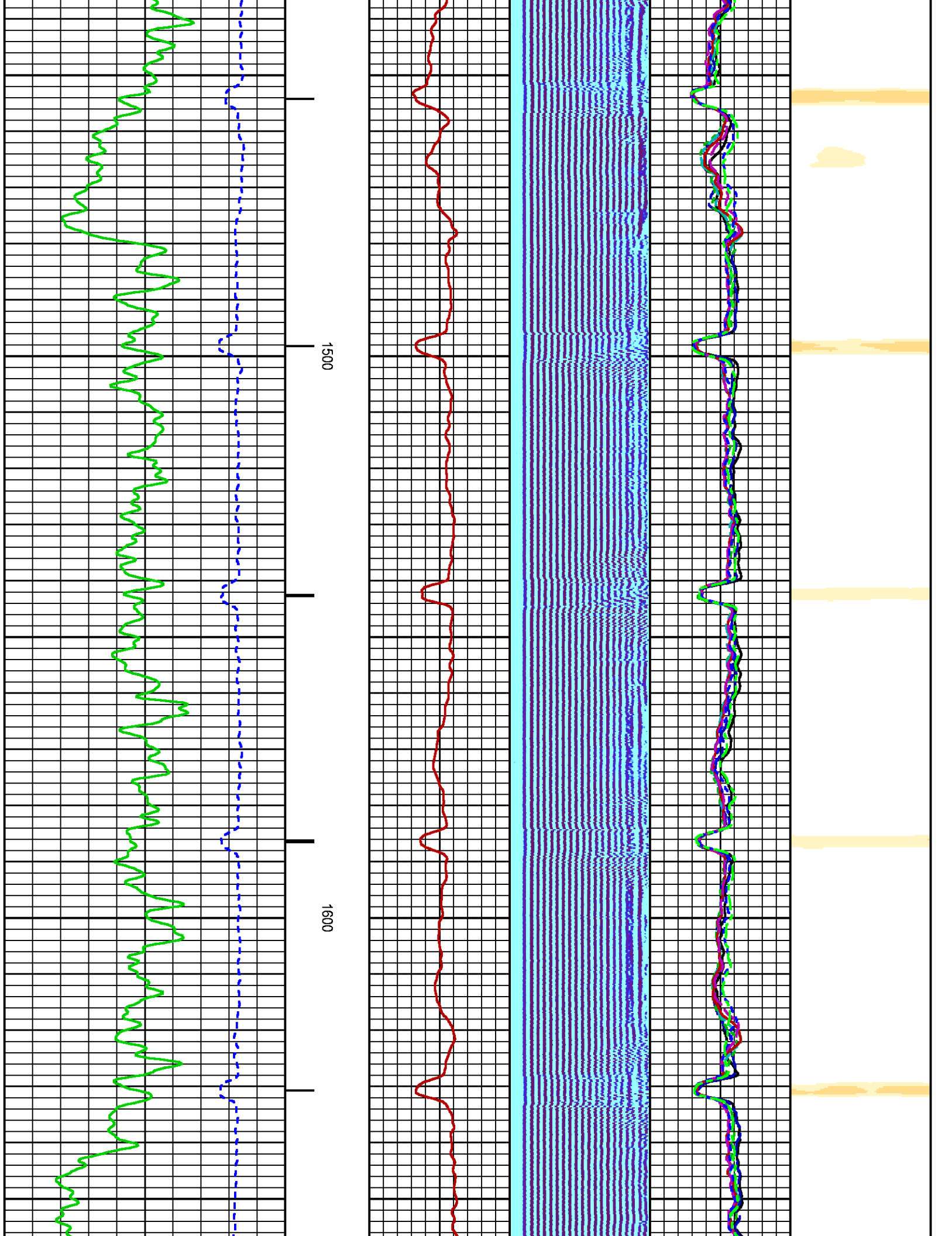


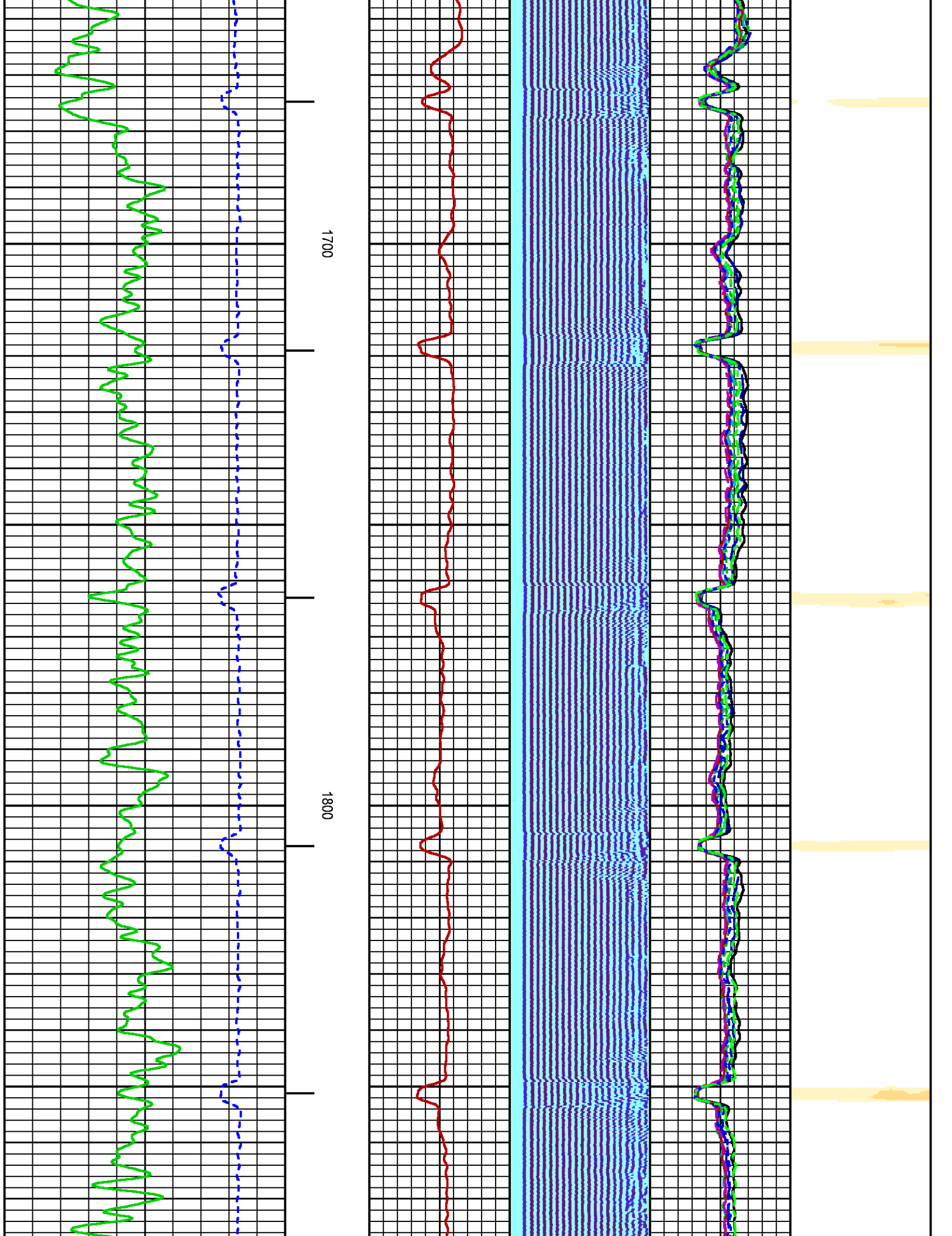


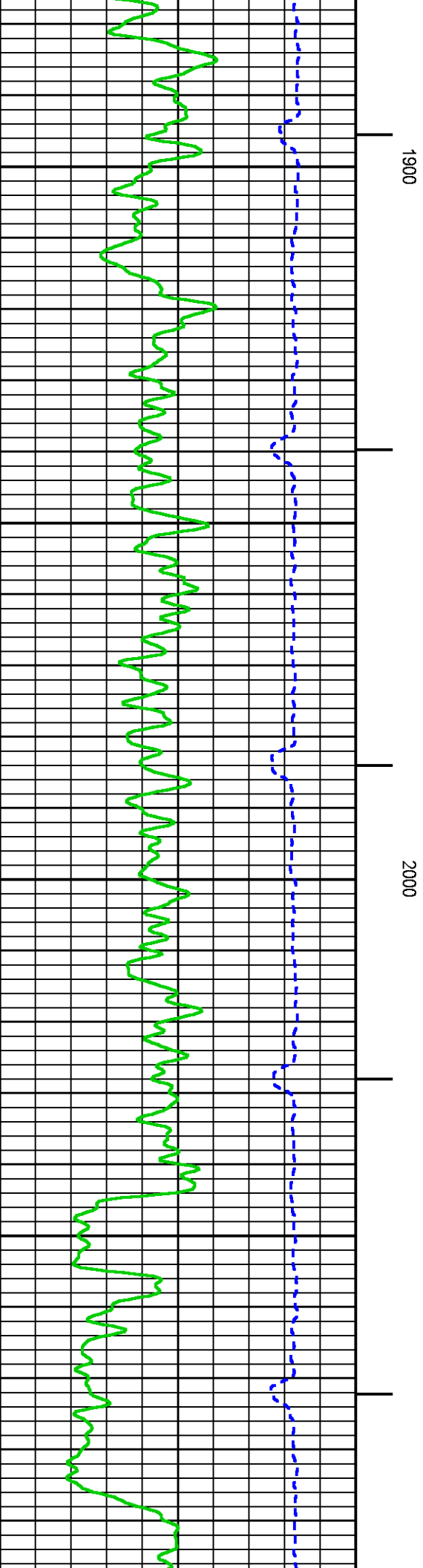
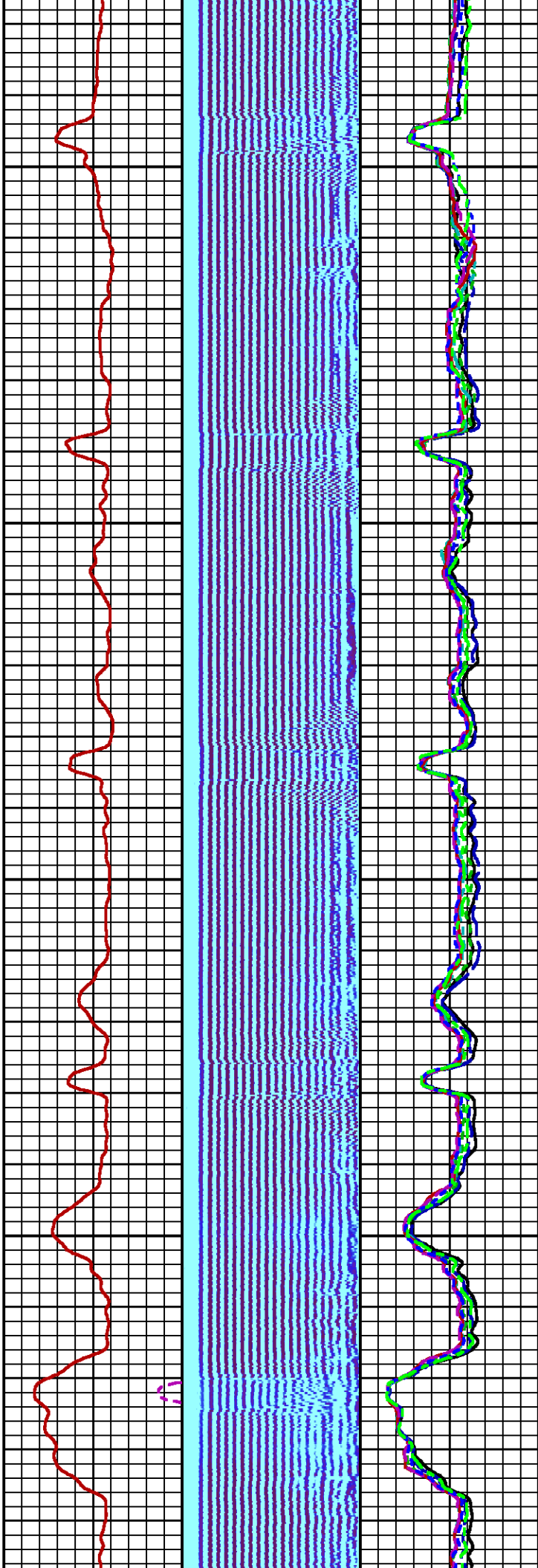


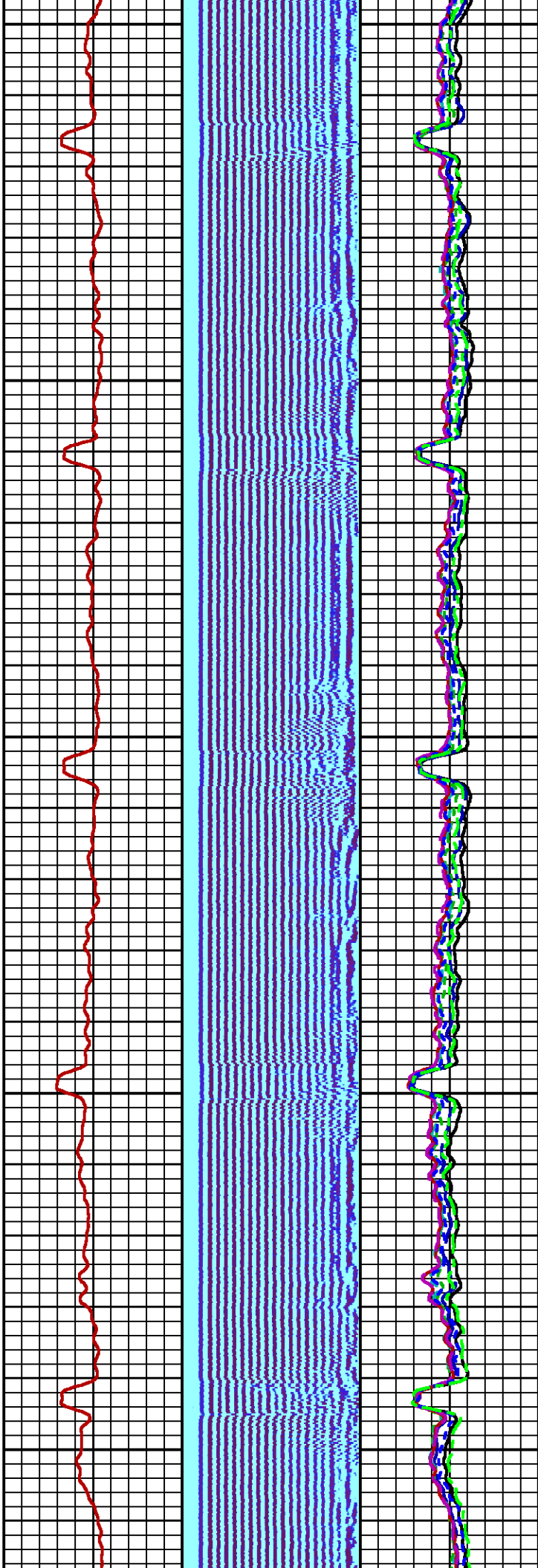
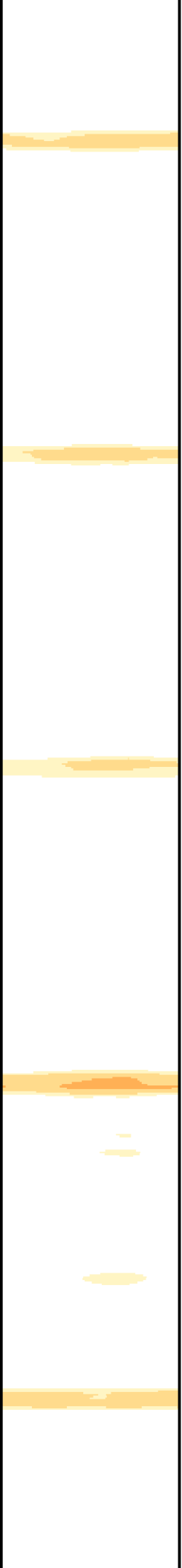








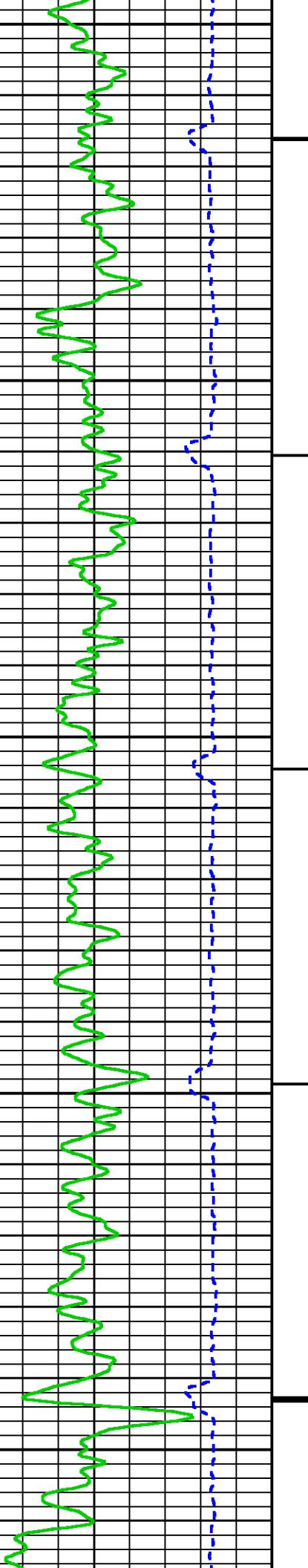


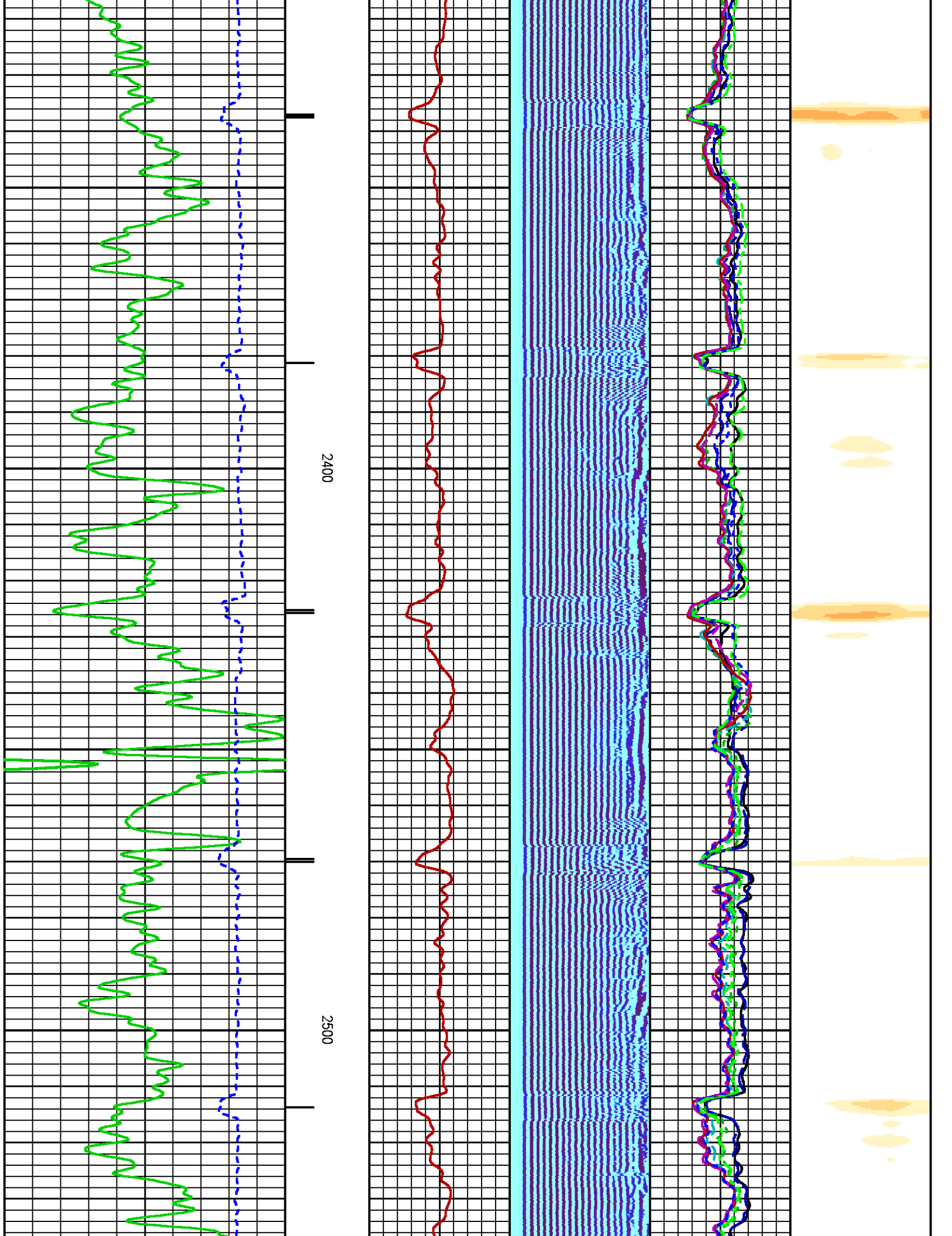


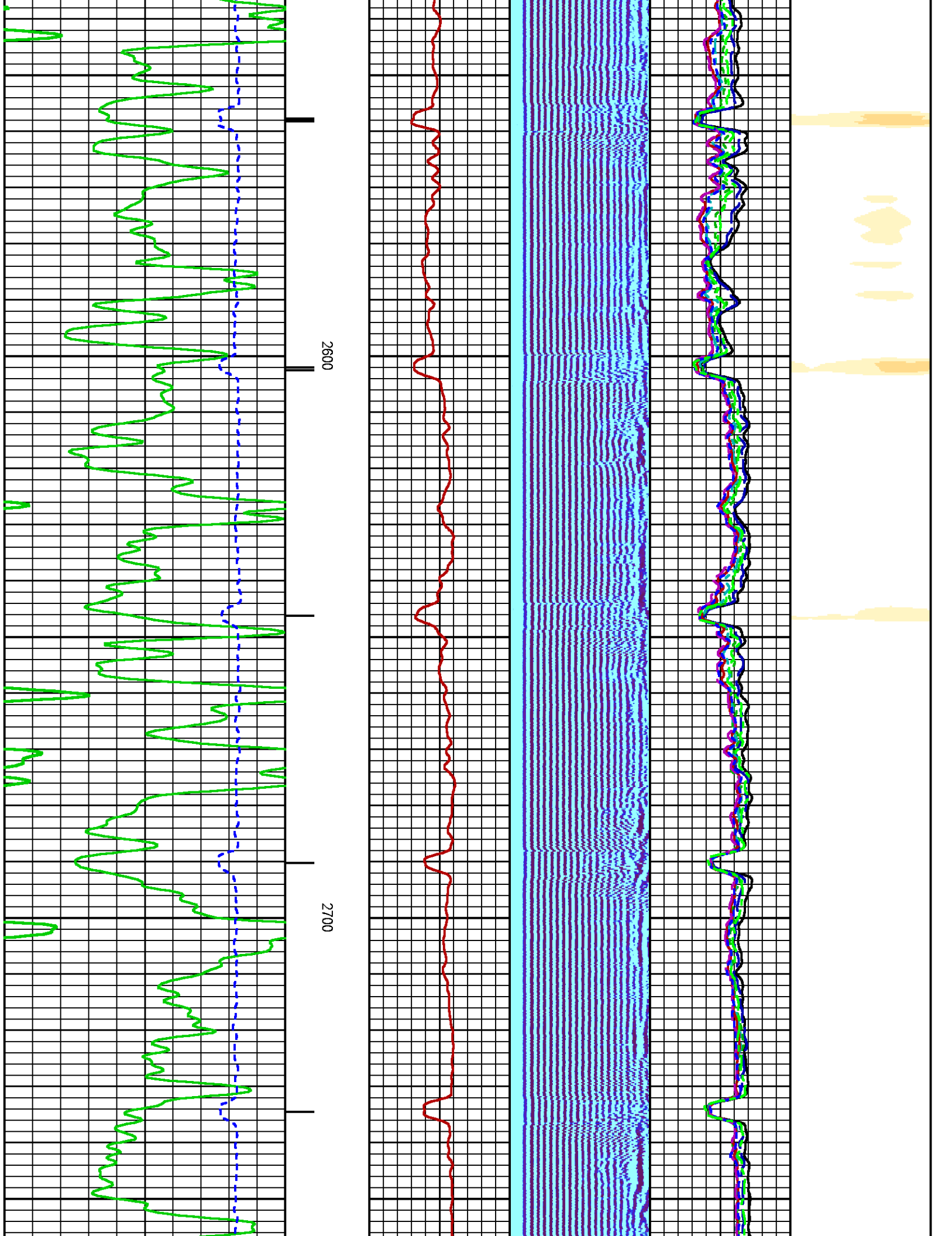
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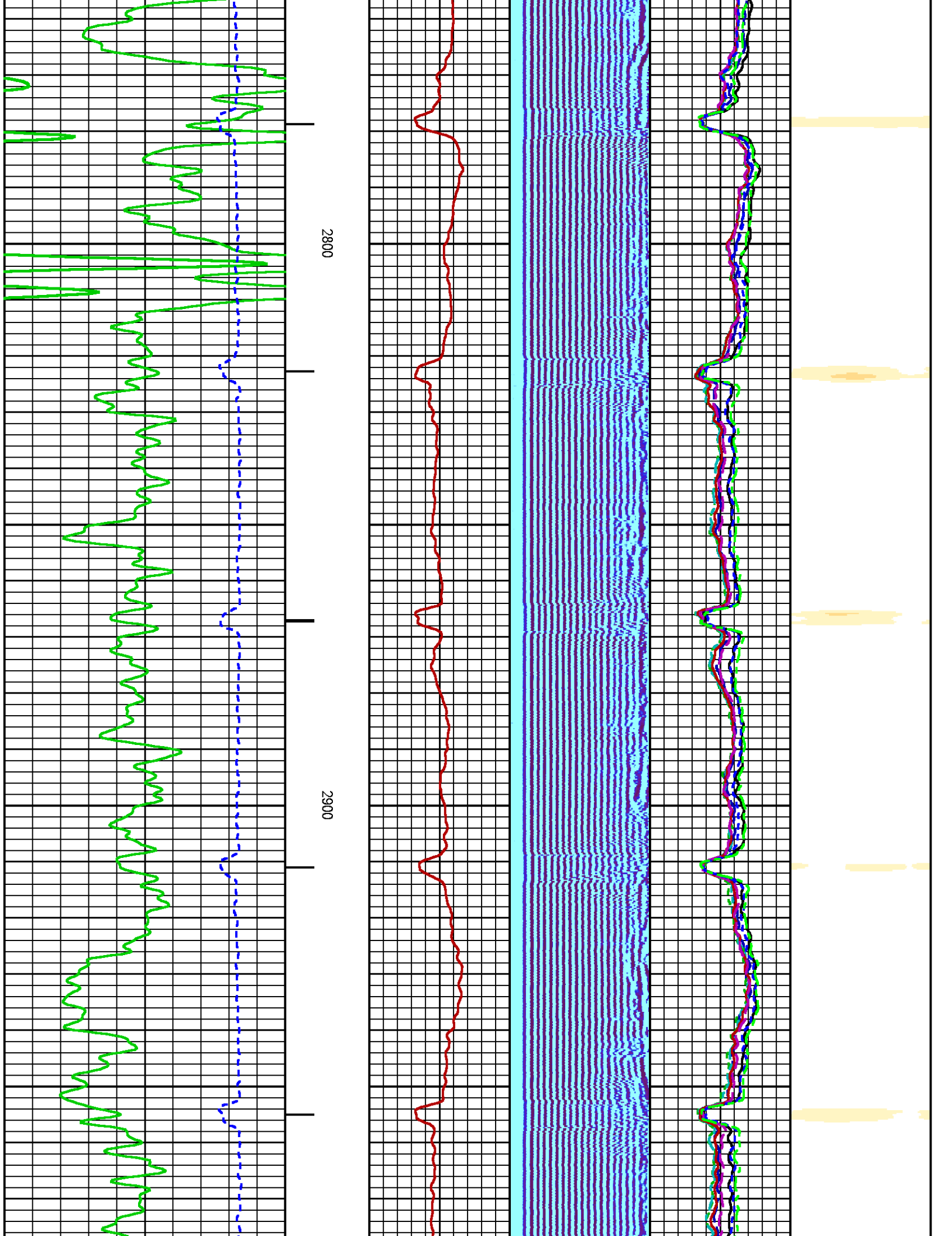
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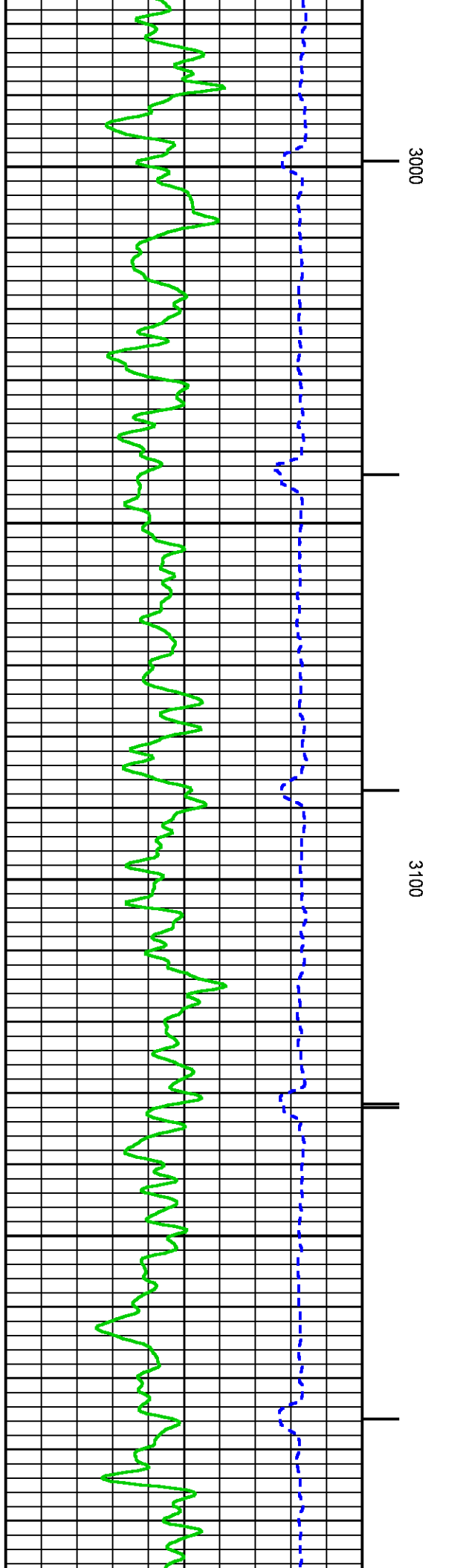
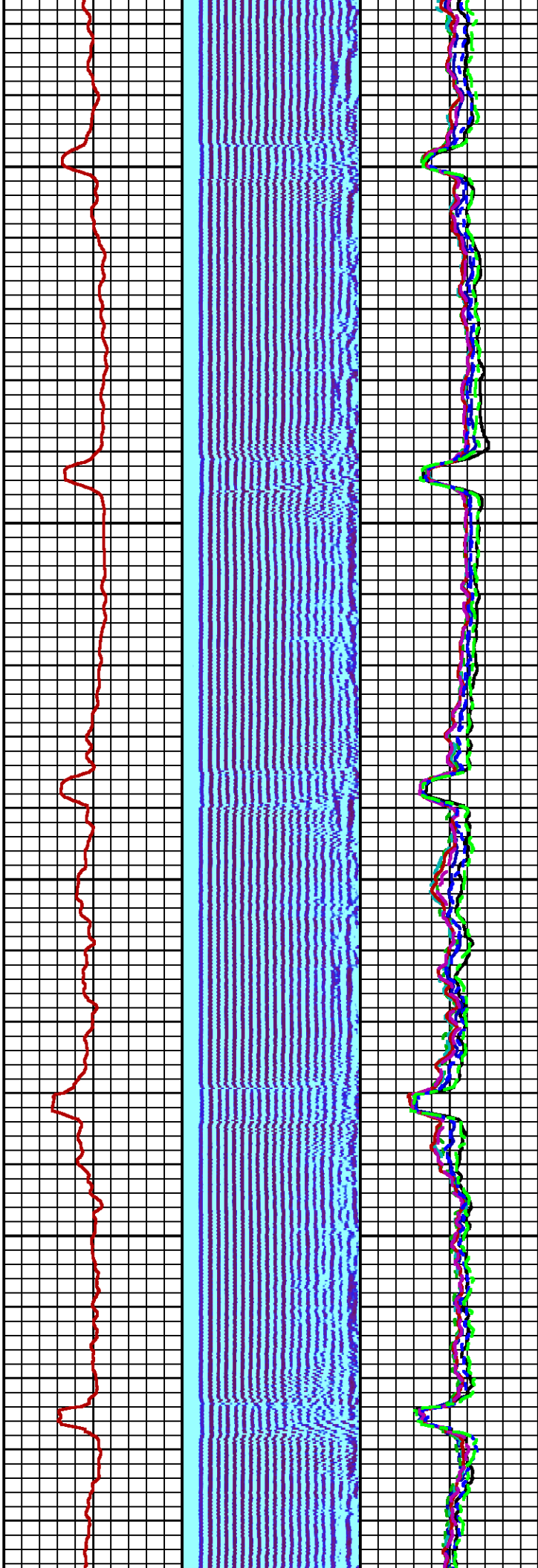
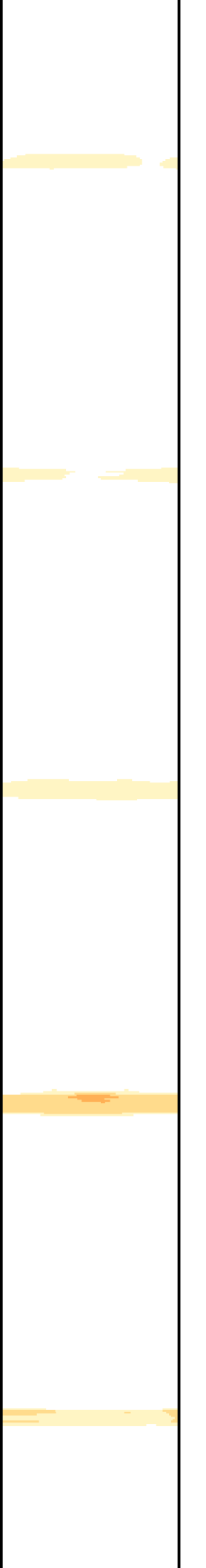
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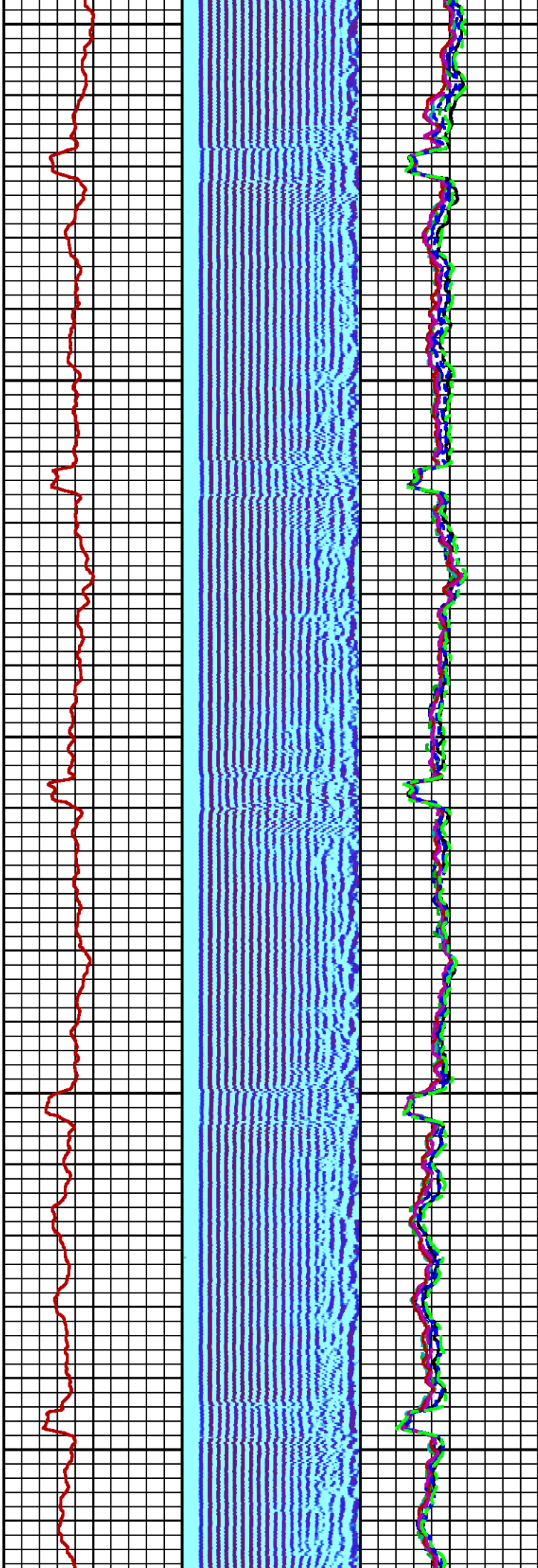
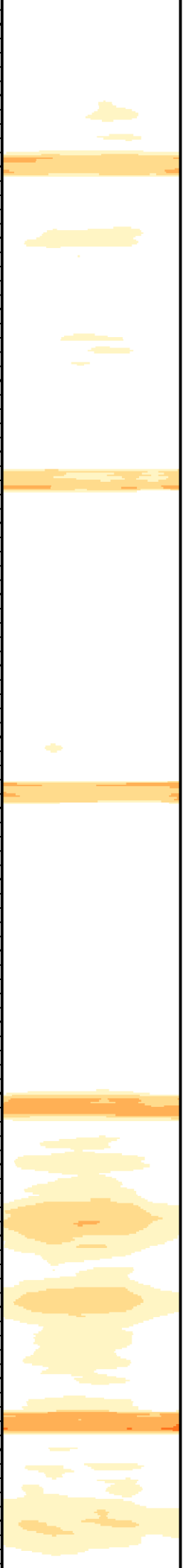








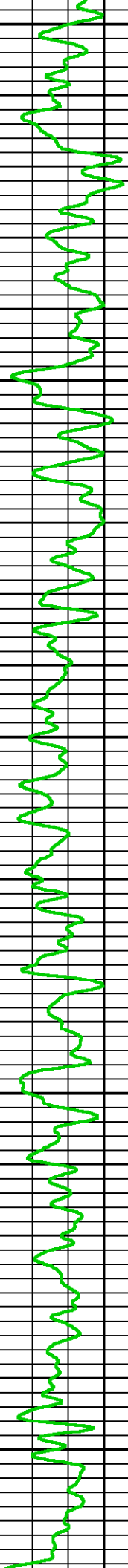
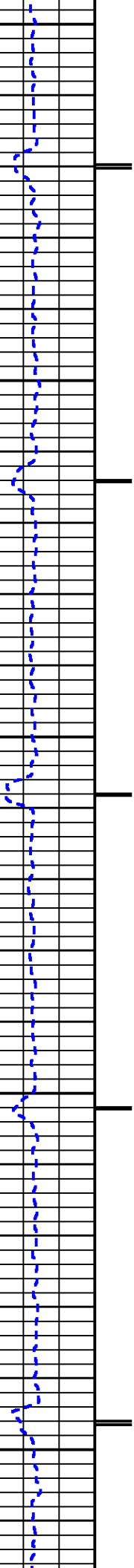


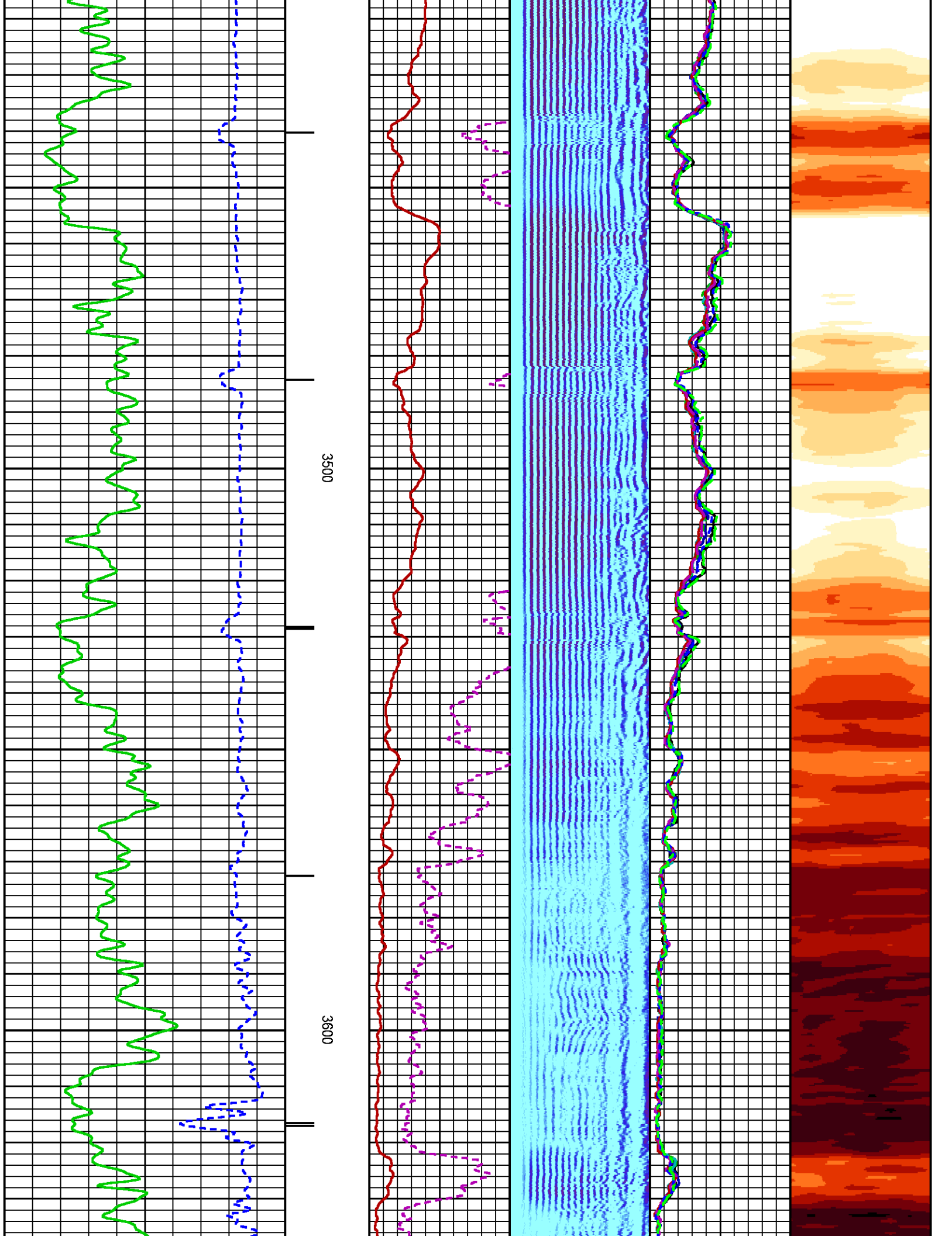


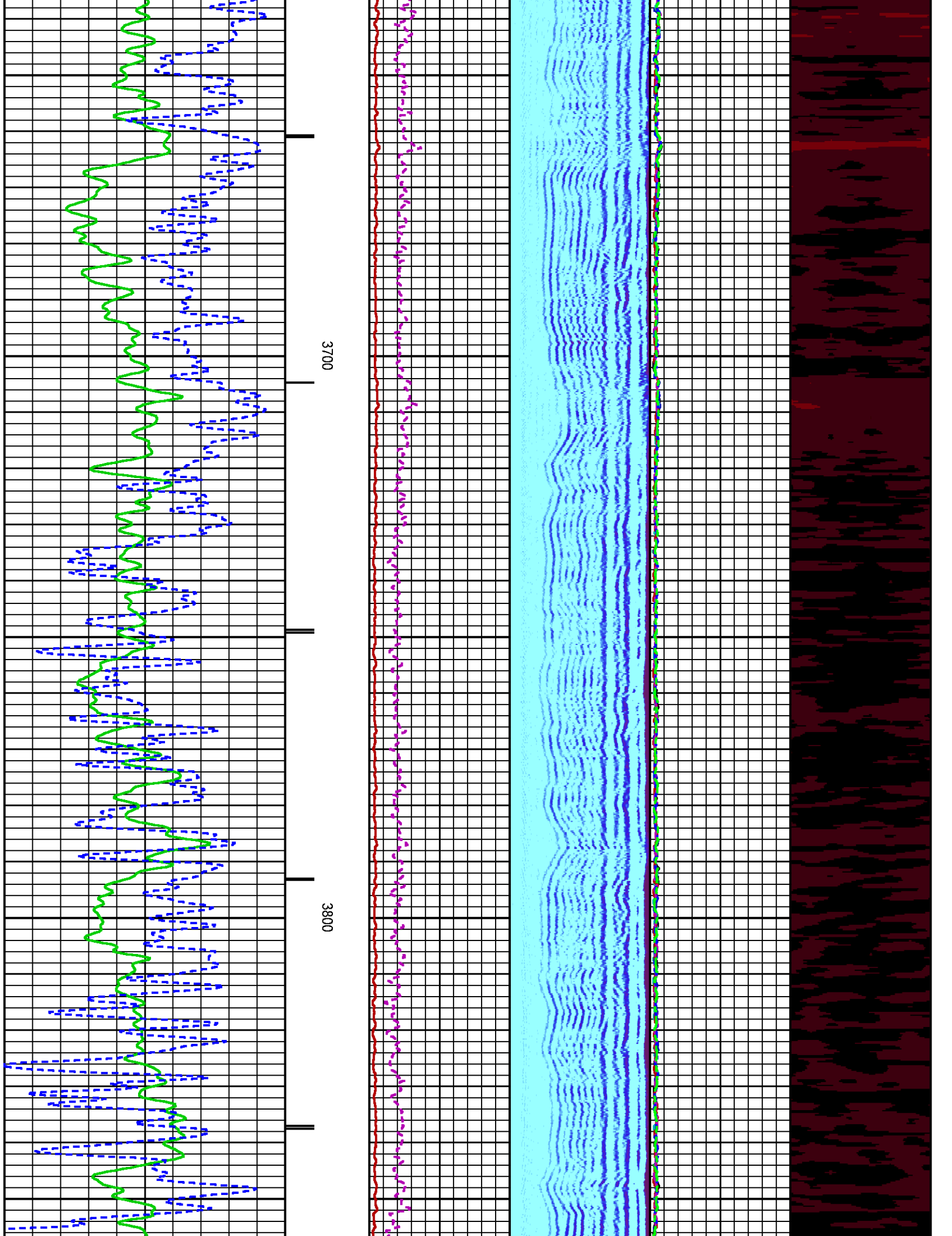
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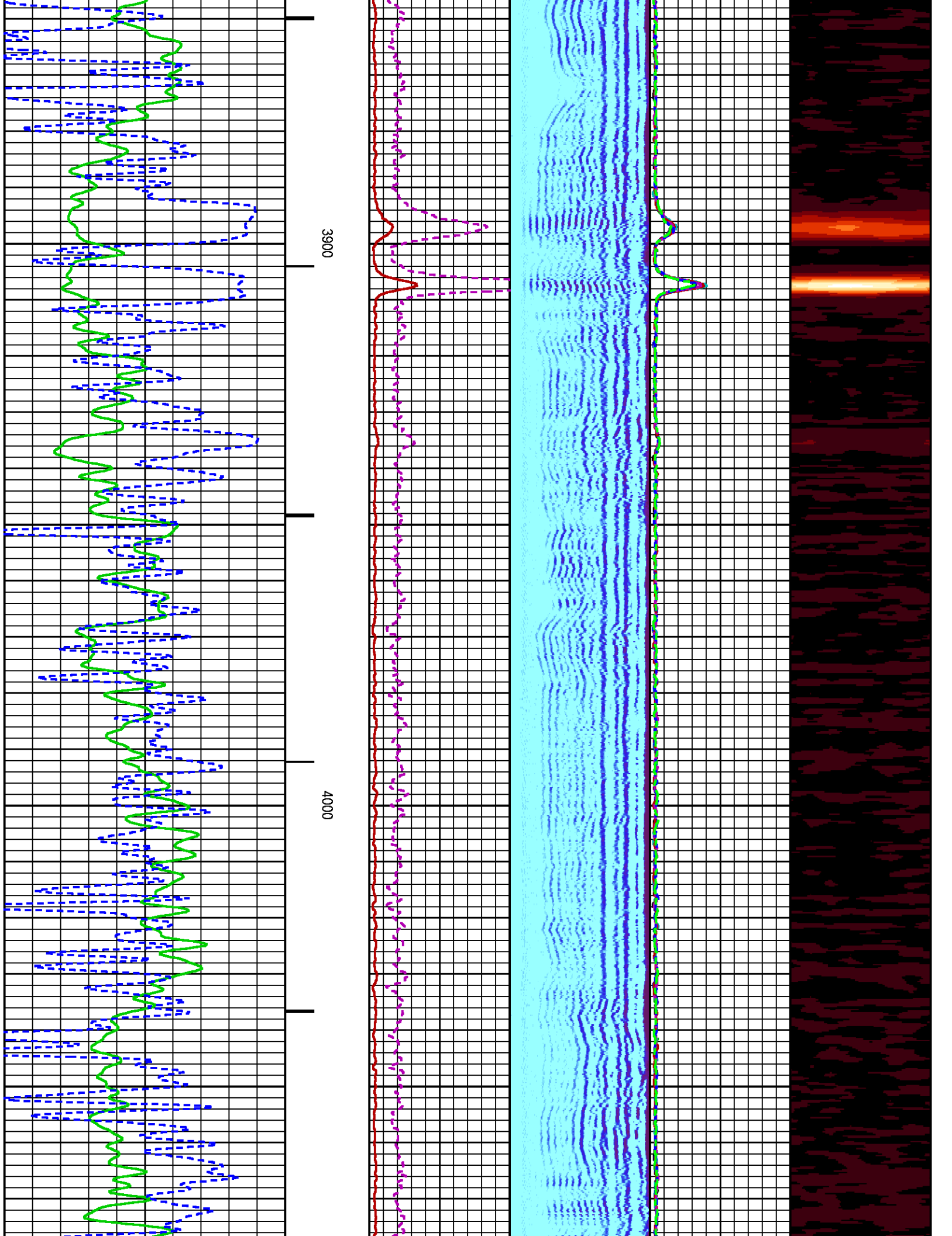
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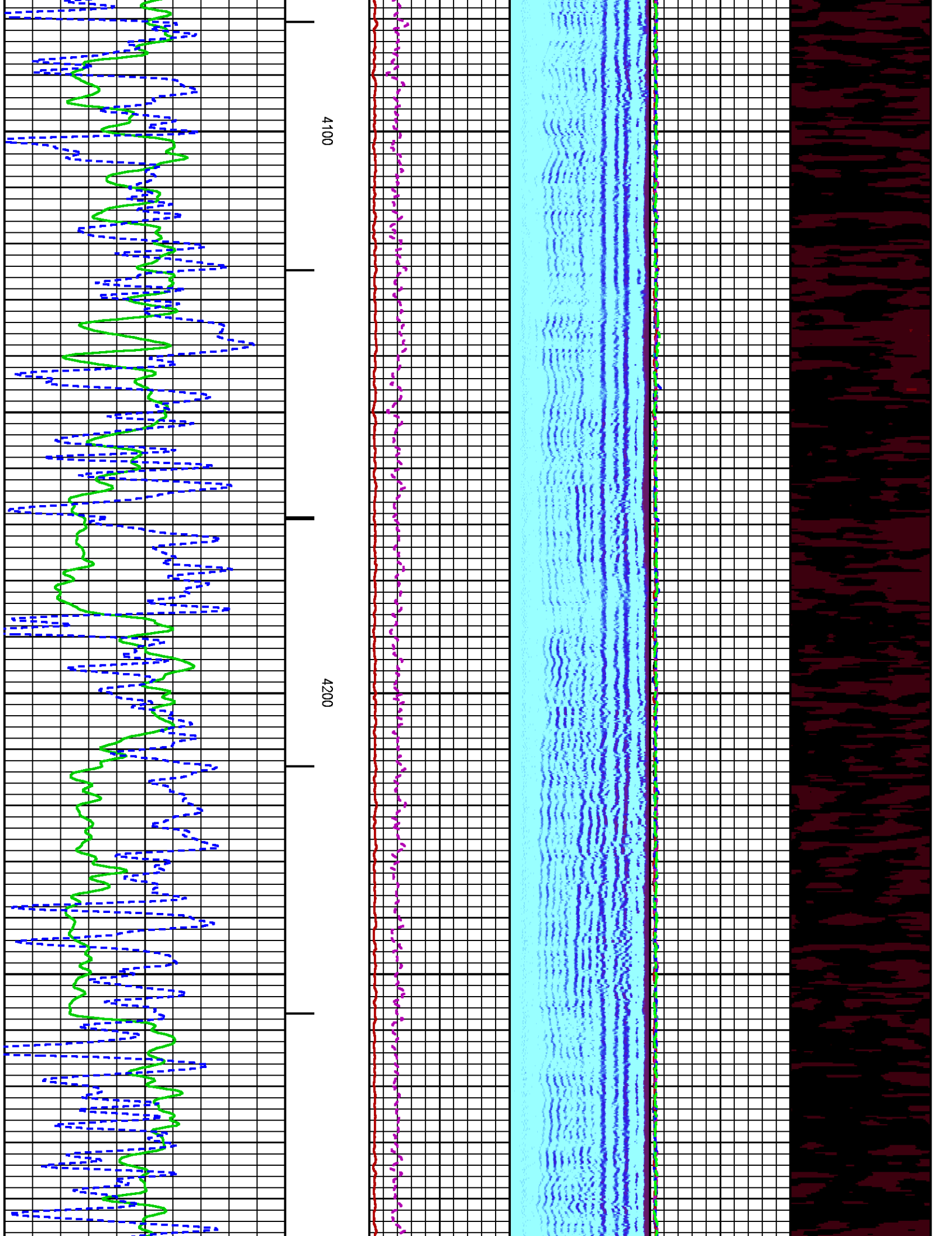
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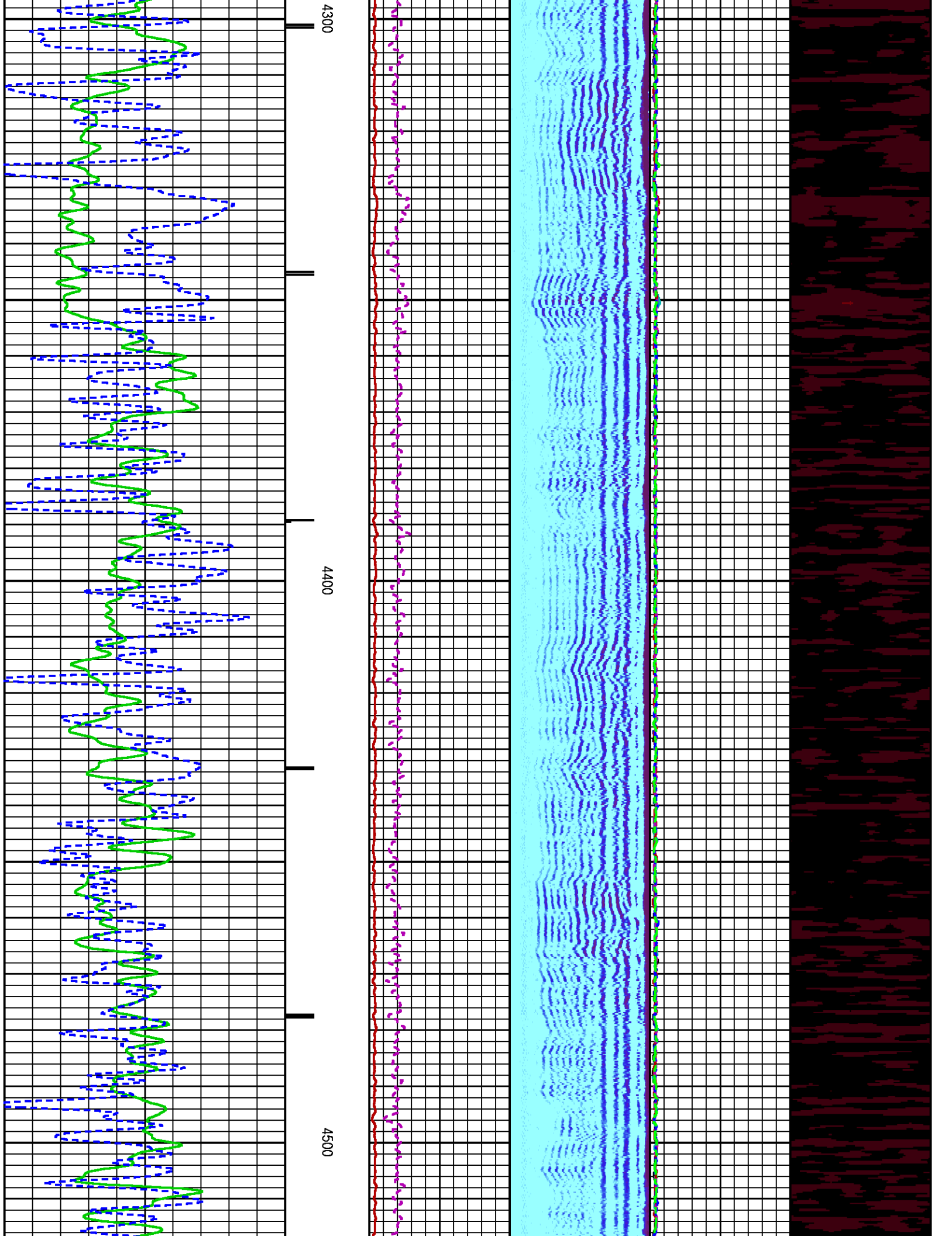


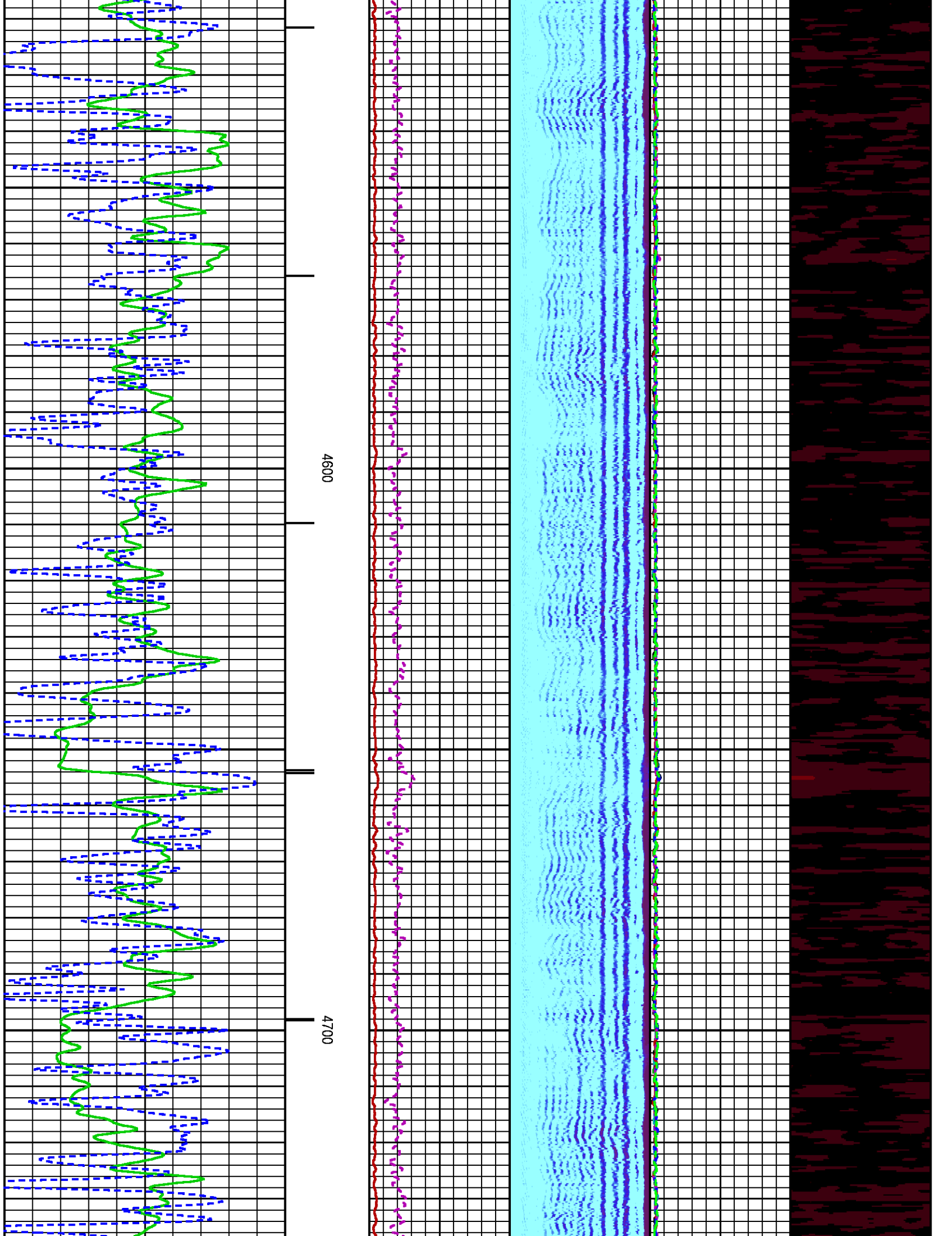


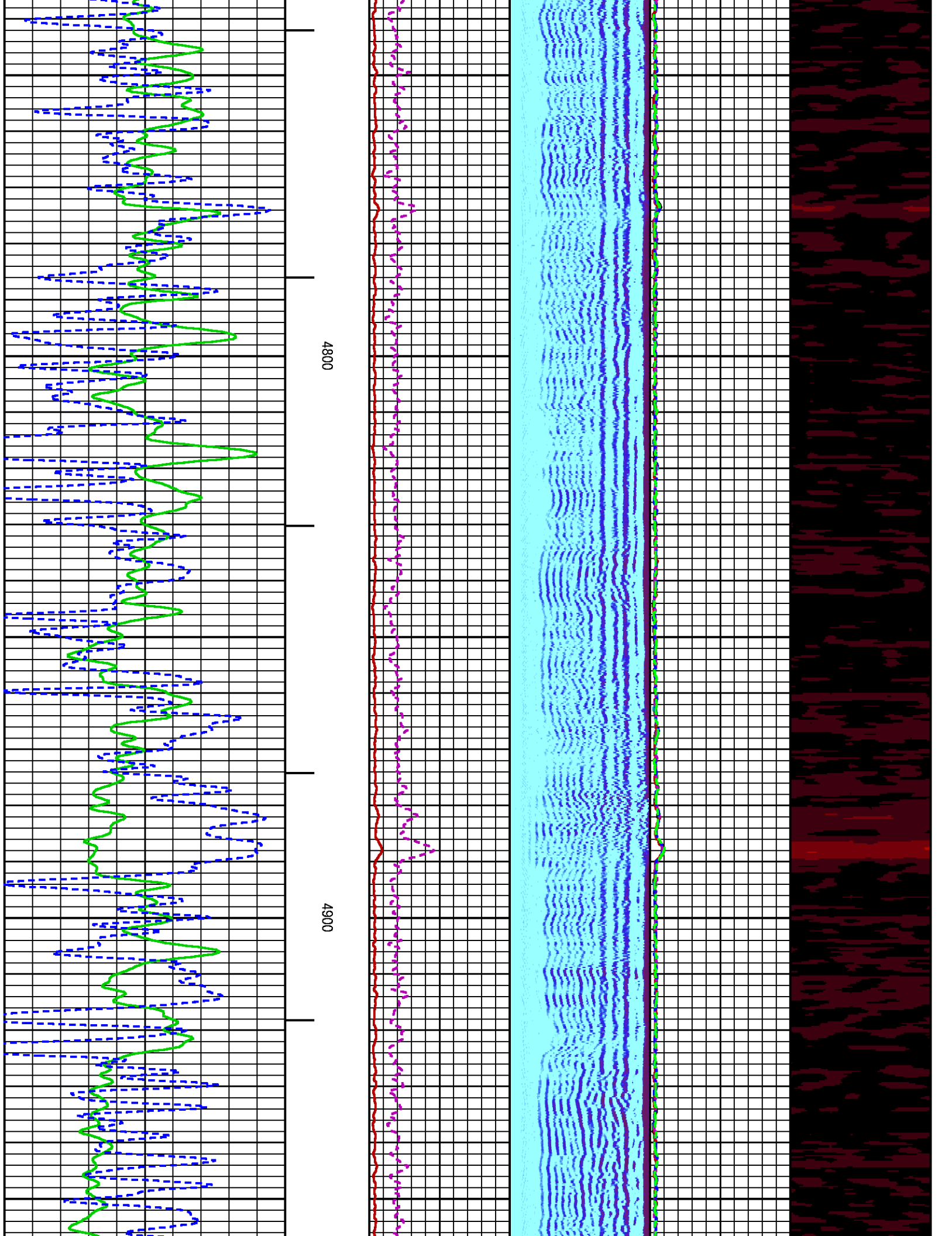


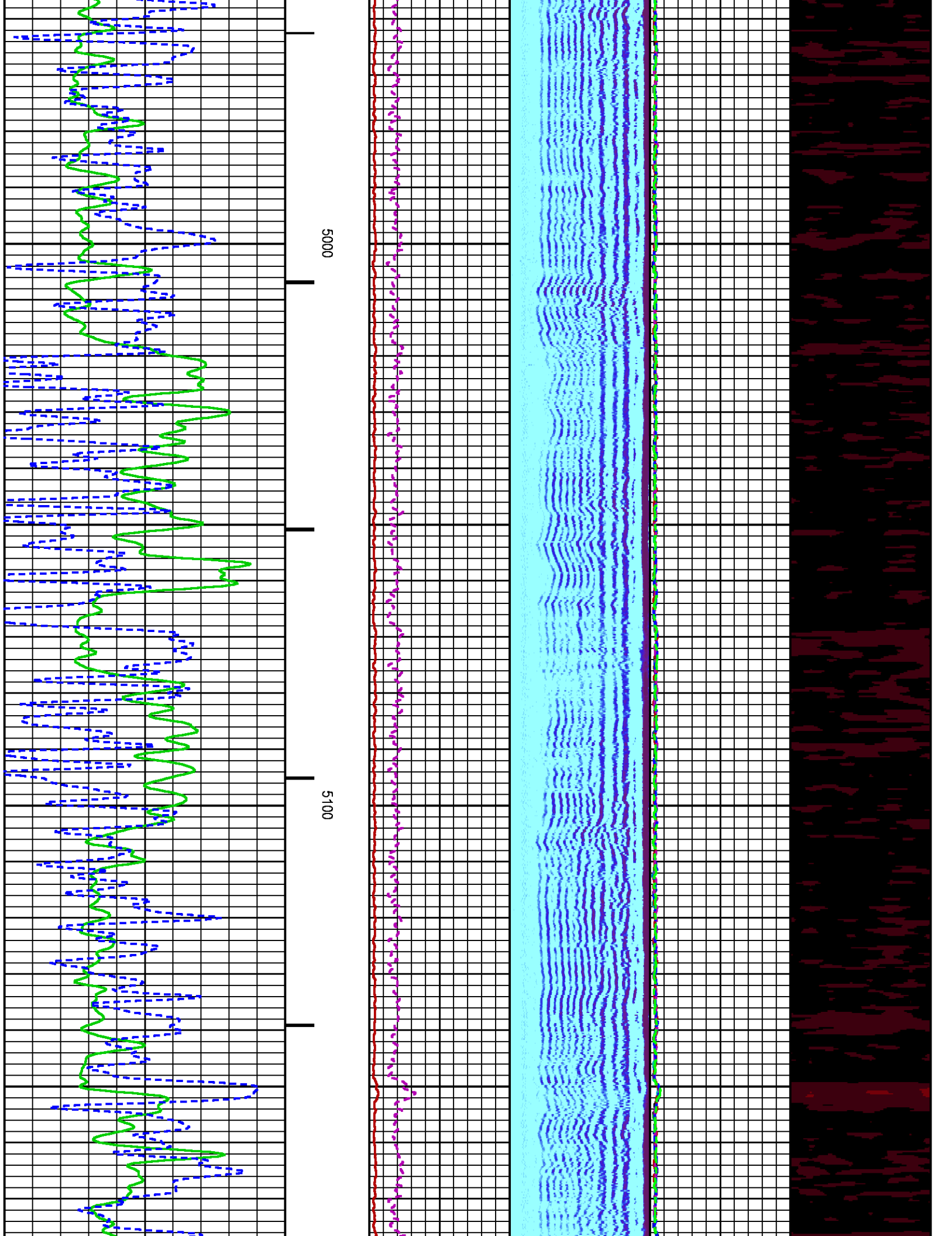


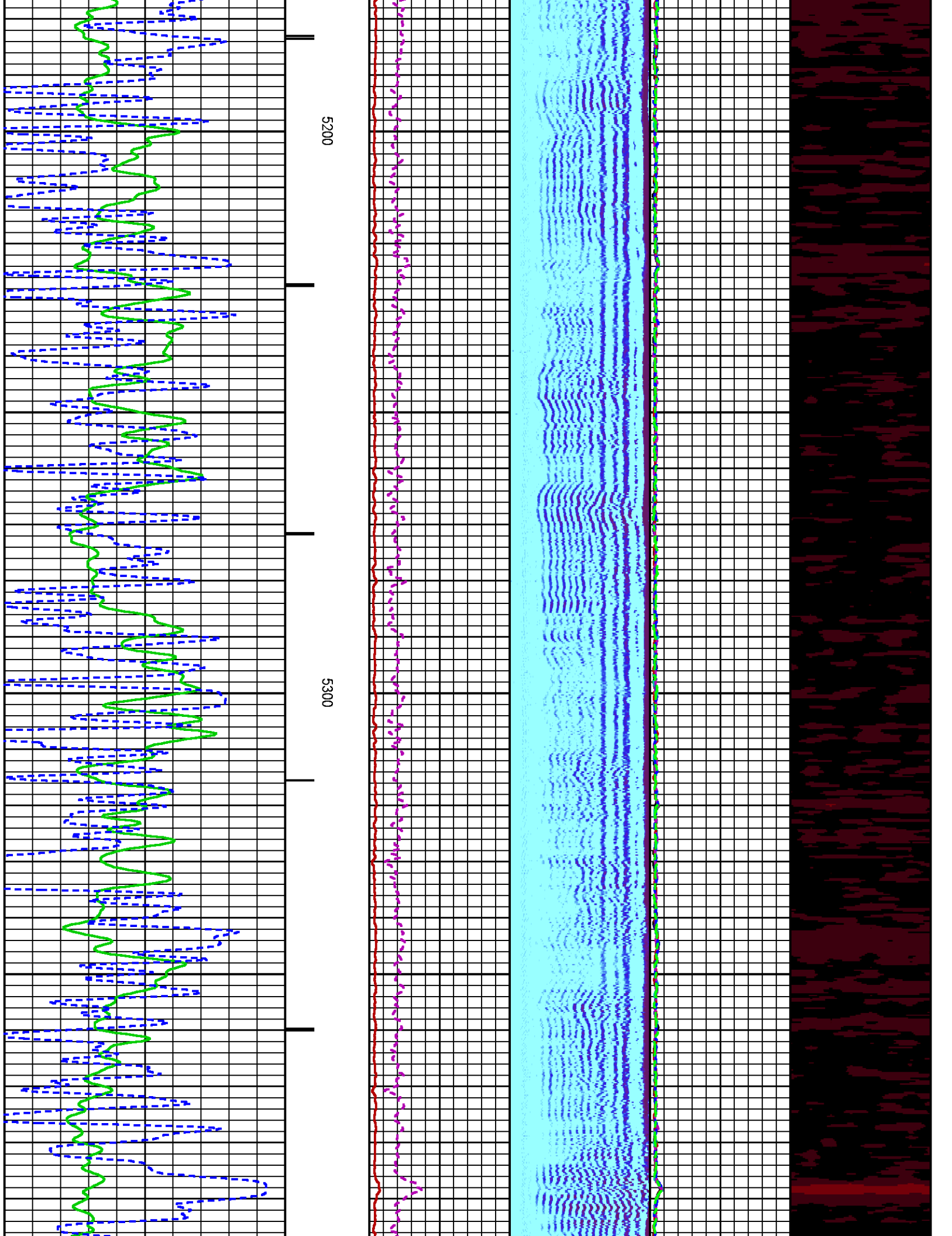


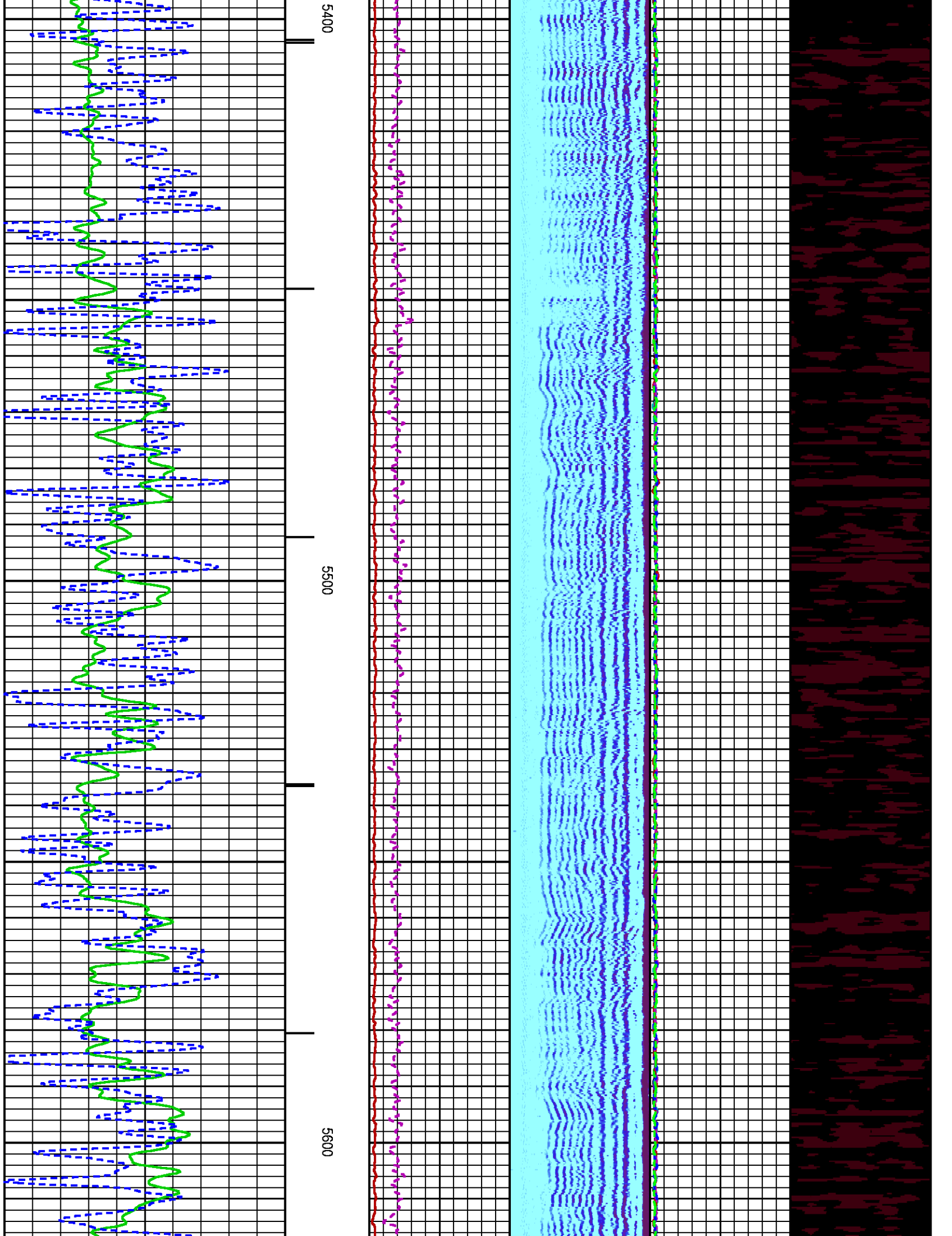


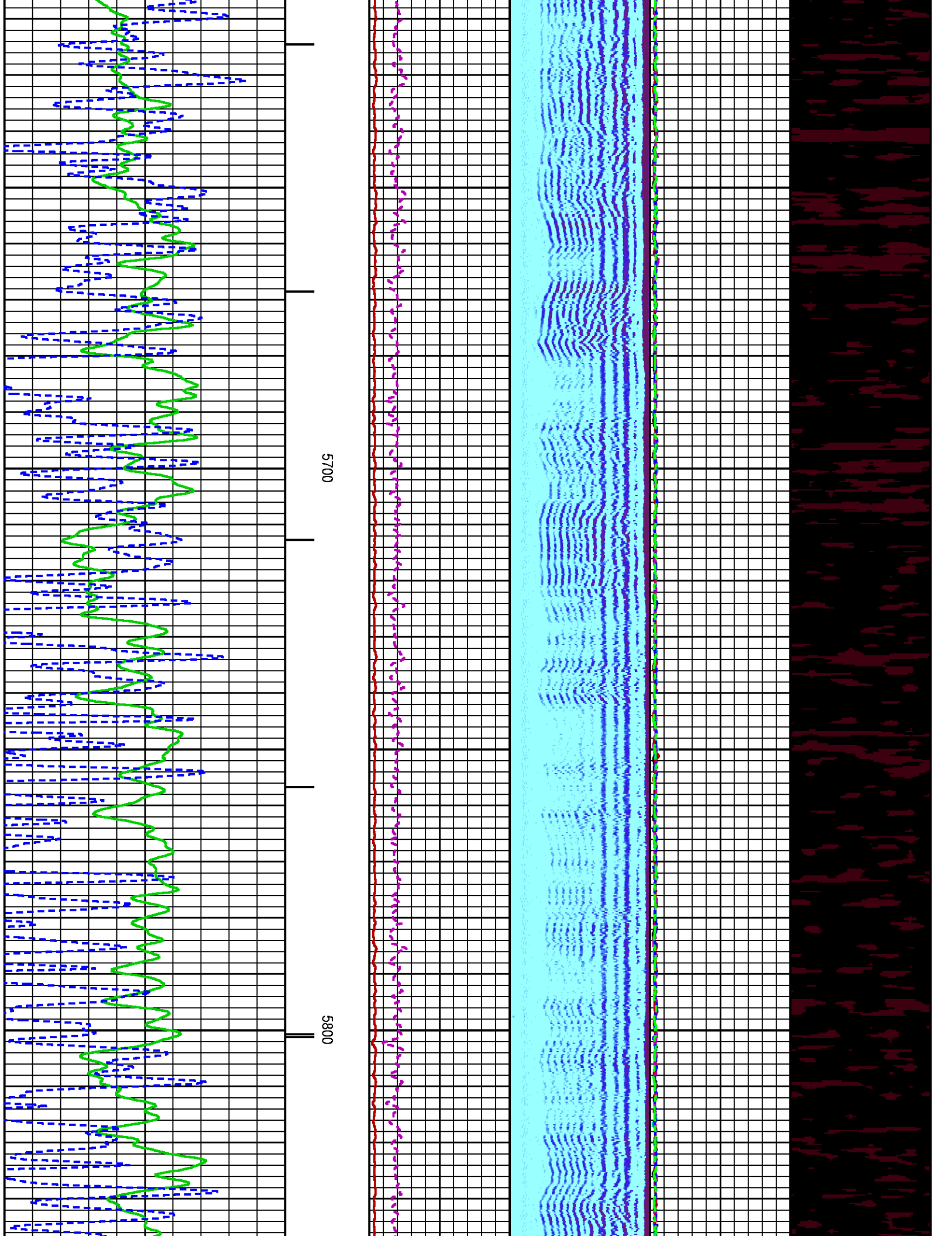


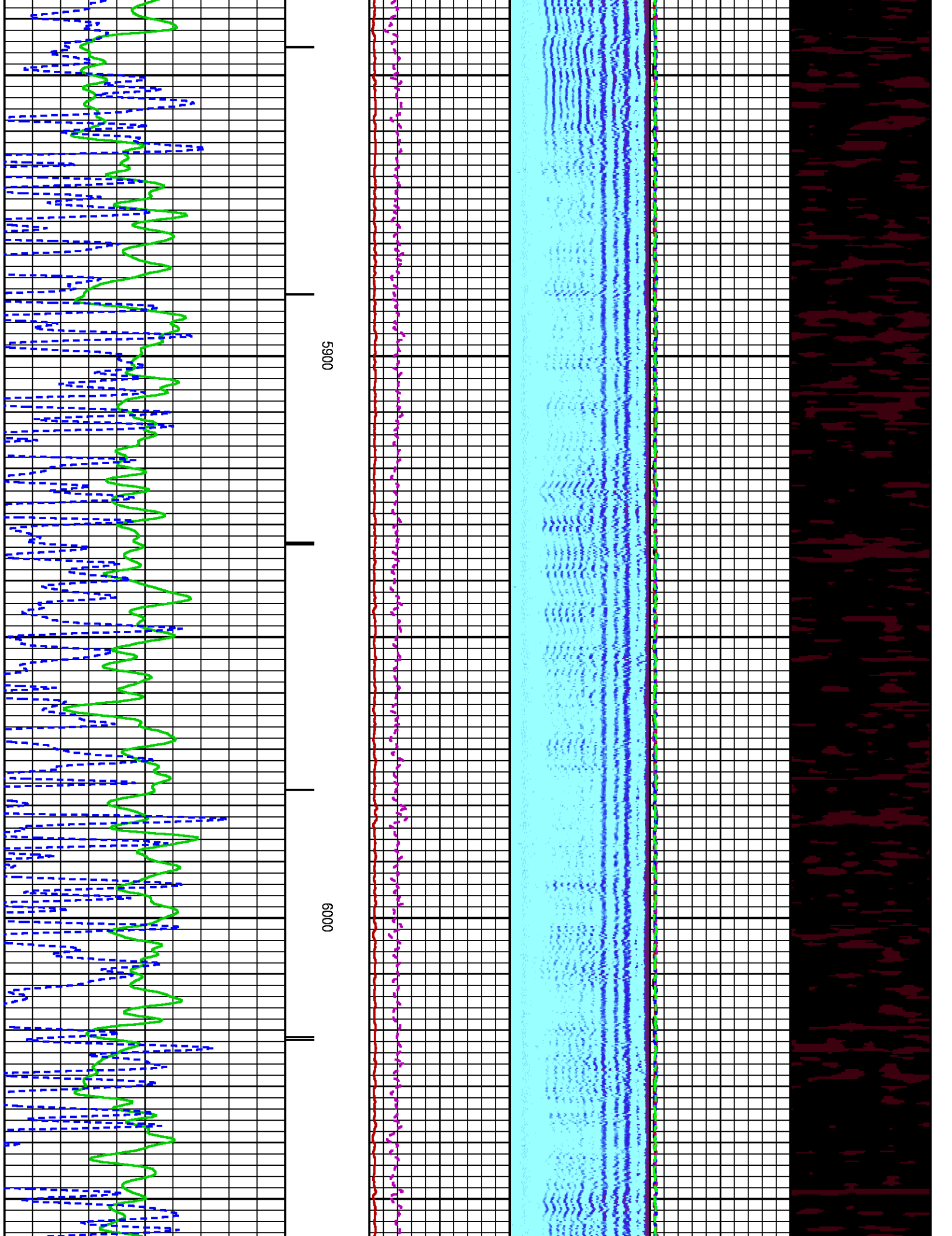


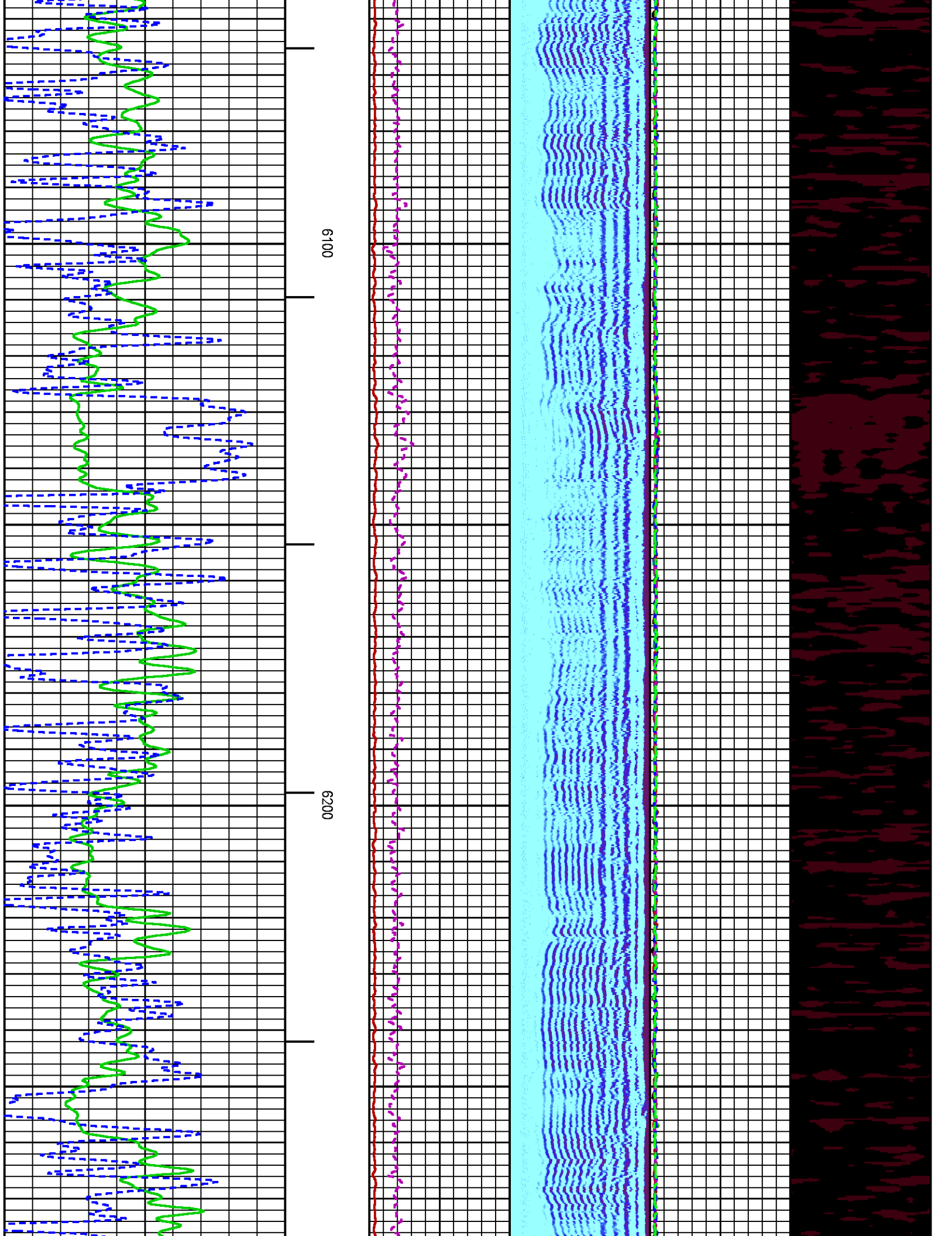


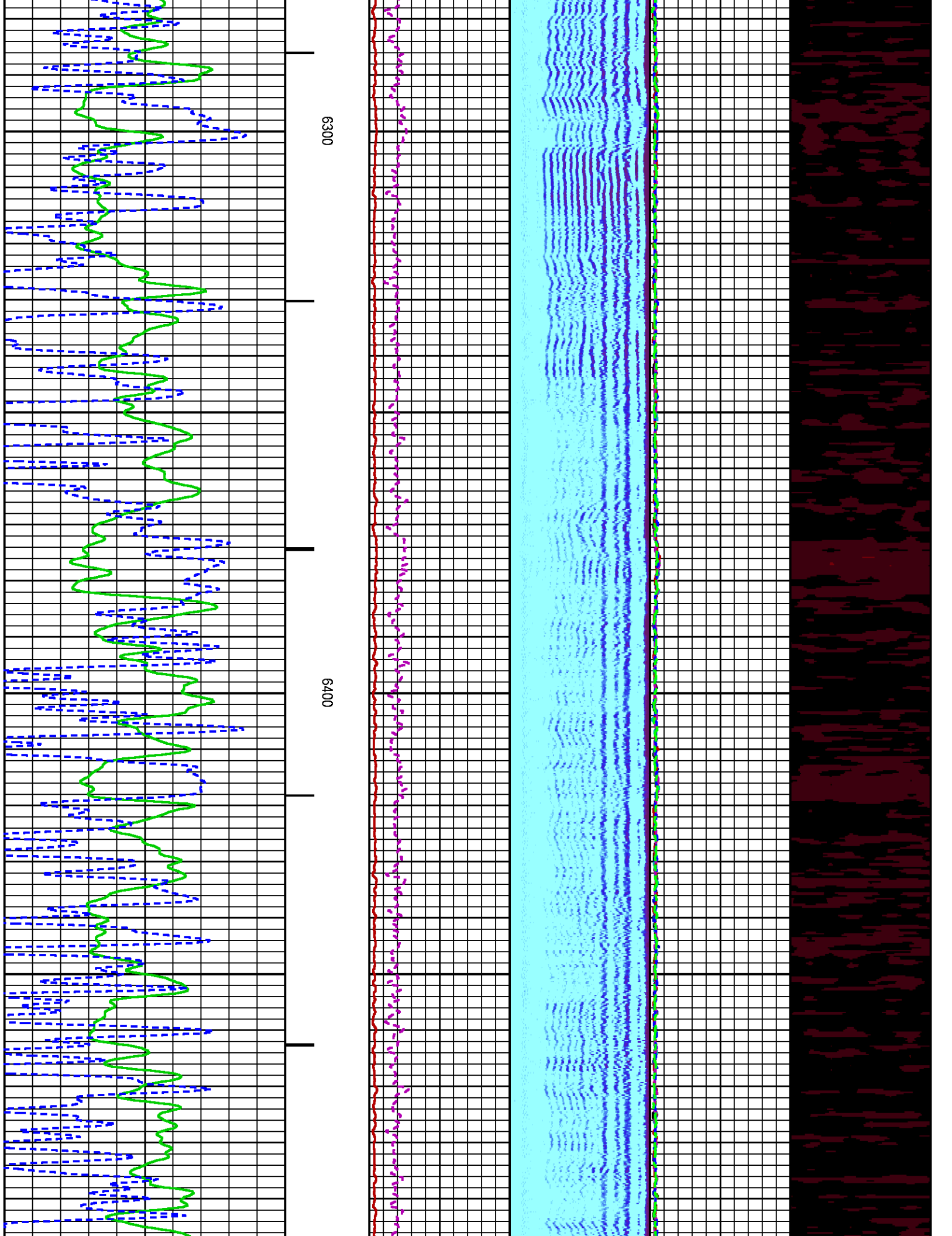


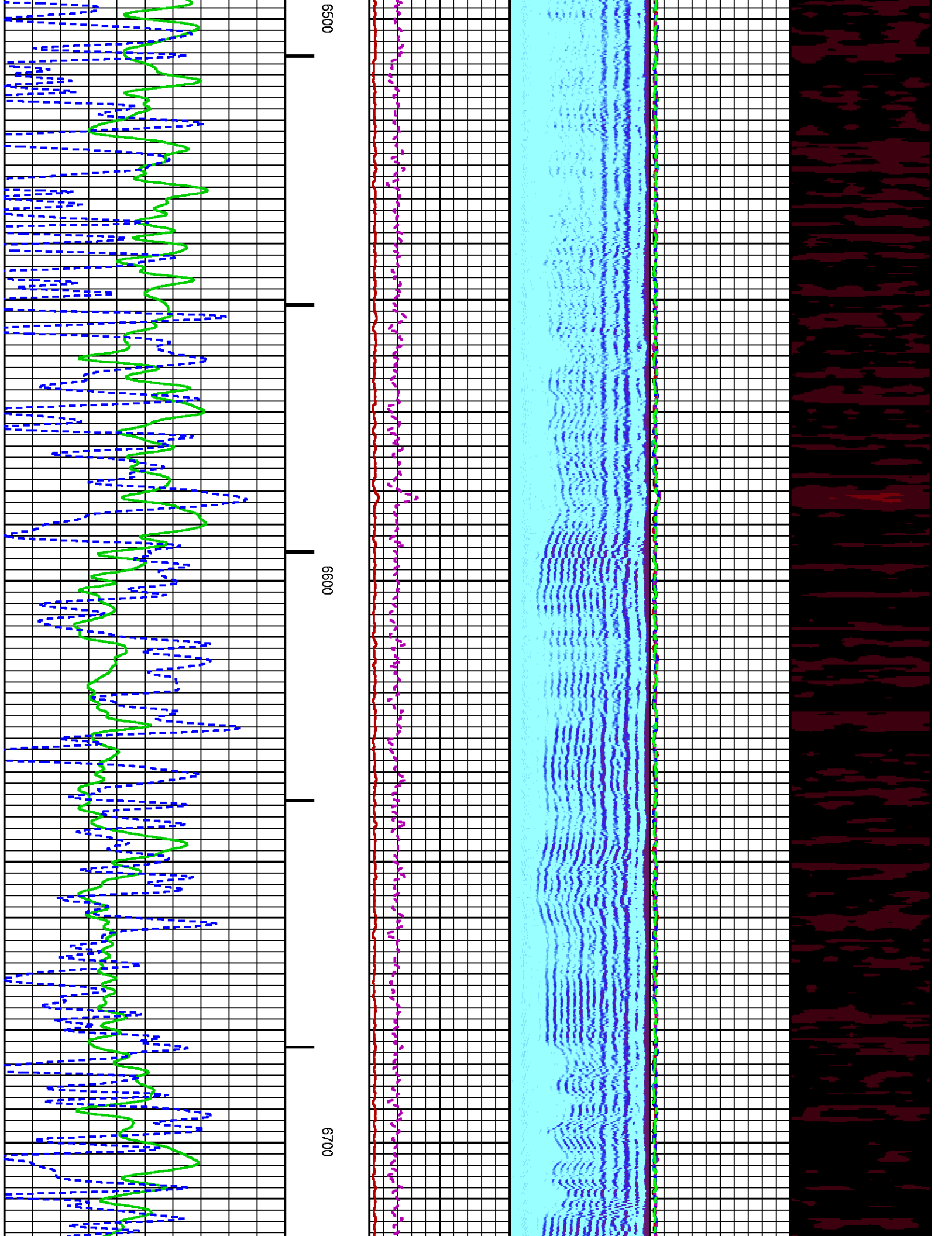


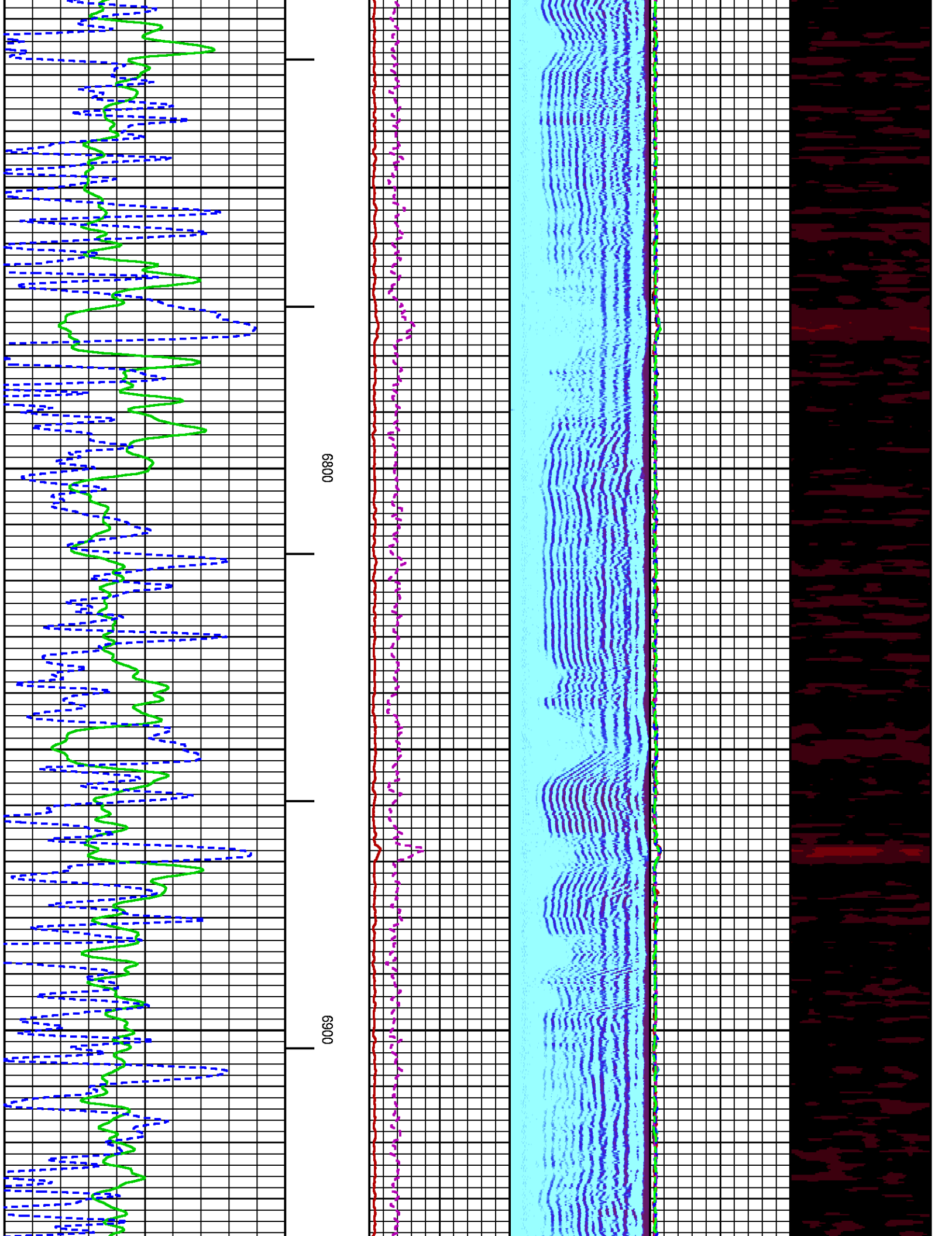


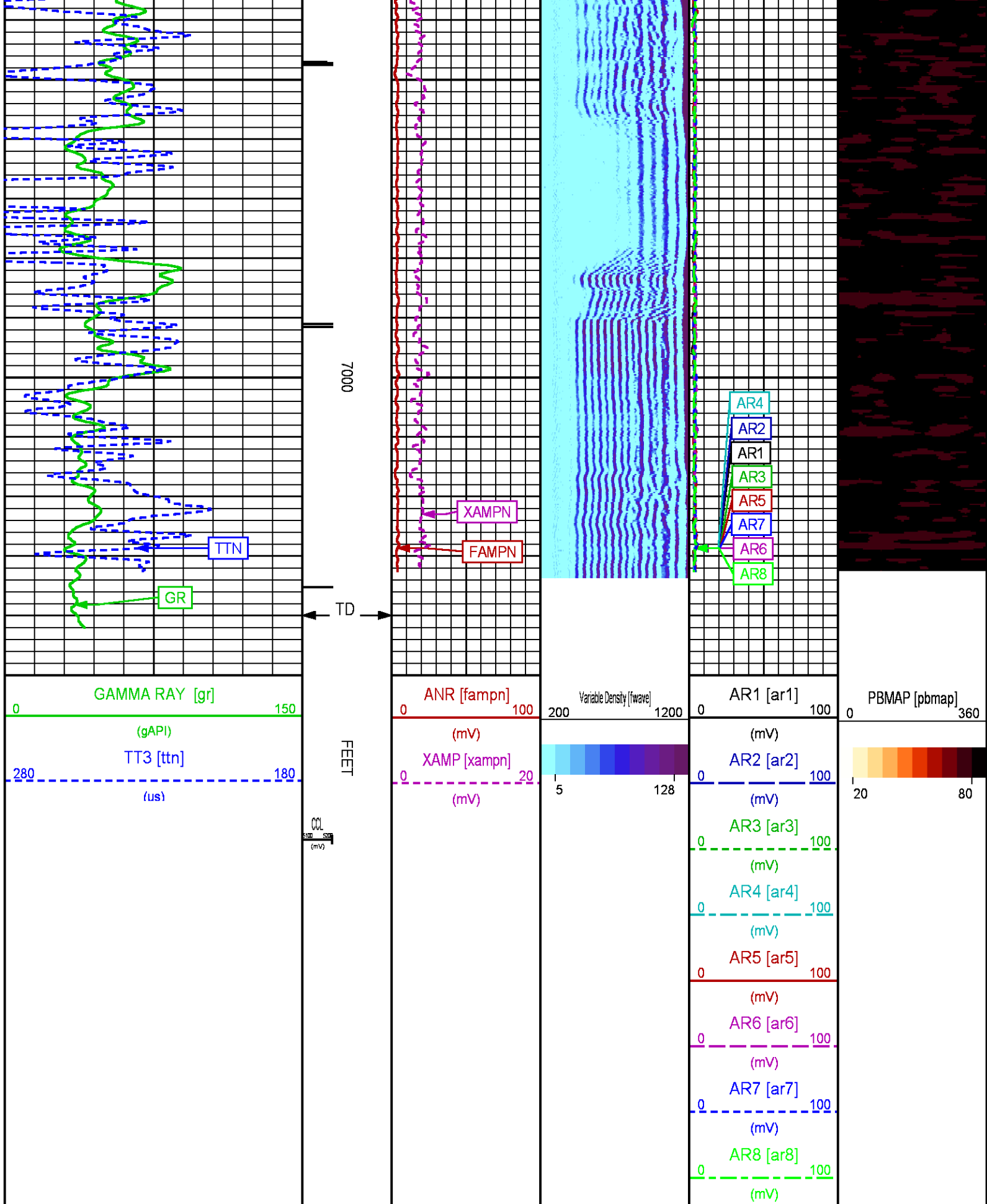












REPEAT LOG 0 PSI

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: Thu Jan 01 14:37:50 2015

PARAMETER AND FILTER SUMMARY REPORT

FILE: C:\dat1a\093576\012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 6738.750 ft BOTTOM DEPTH: 7064.164 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*)	181	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	170	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
				"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (strn*)	-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	Jan 1 11:01:06 2015	CASING COLLAR LOCATOR
F1:FAMPN	Jan 1 11:01:06 2015	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Jan 1 11:01:06 2015	FAR WAVE FORM
F1:GR	Jan 1 11:01:06 2015	GAMMA RAY
F1:TTN	Jan 1 11:01:06 2015	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Jan 1 11:01:06 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				

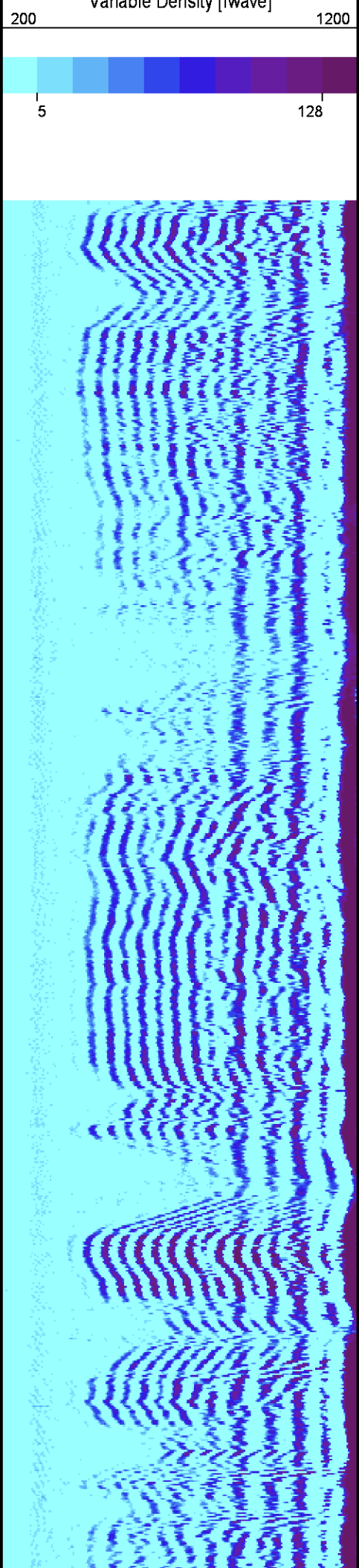
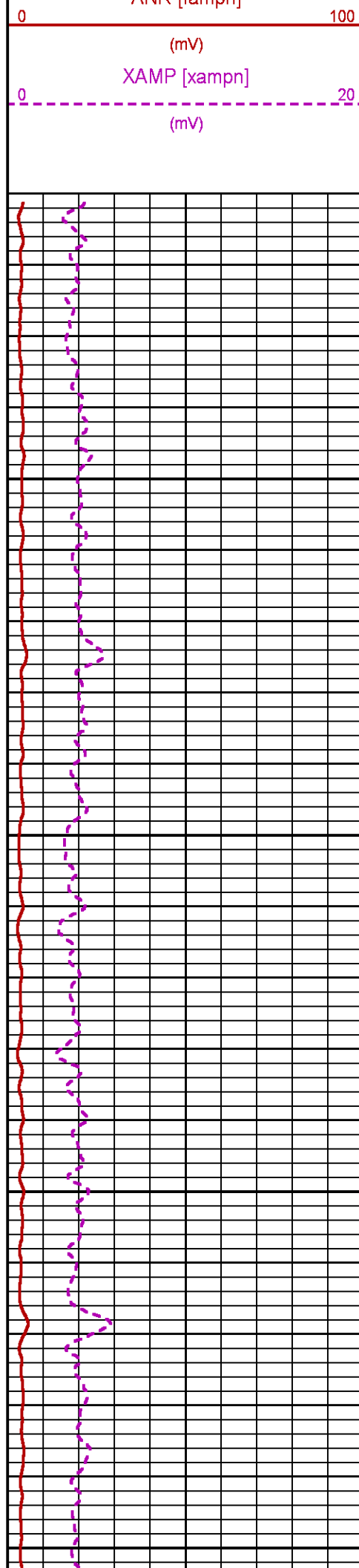
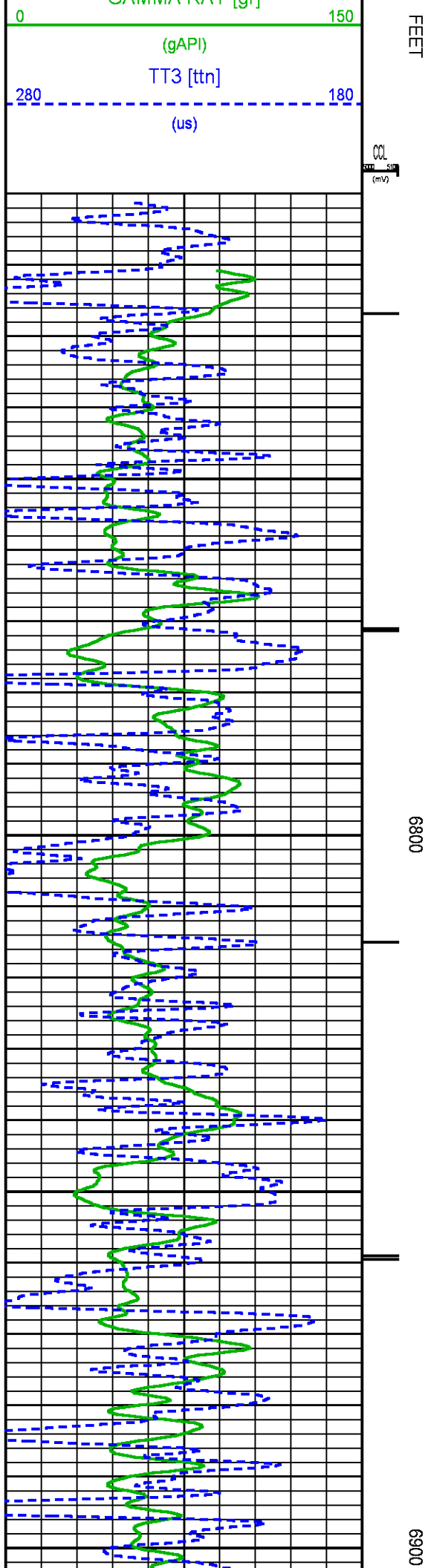
Presentation : BHUGHES-06627:C:\dat1a\093576\333_CBL_REPEAT.fvpdf [5"/100' Scale]
Plot Interval : 6710 - 7045.5 Feet

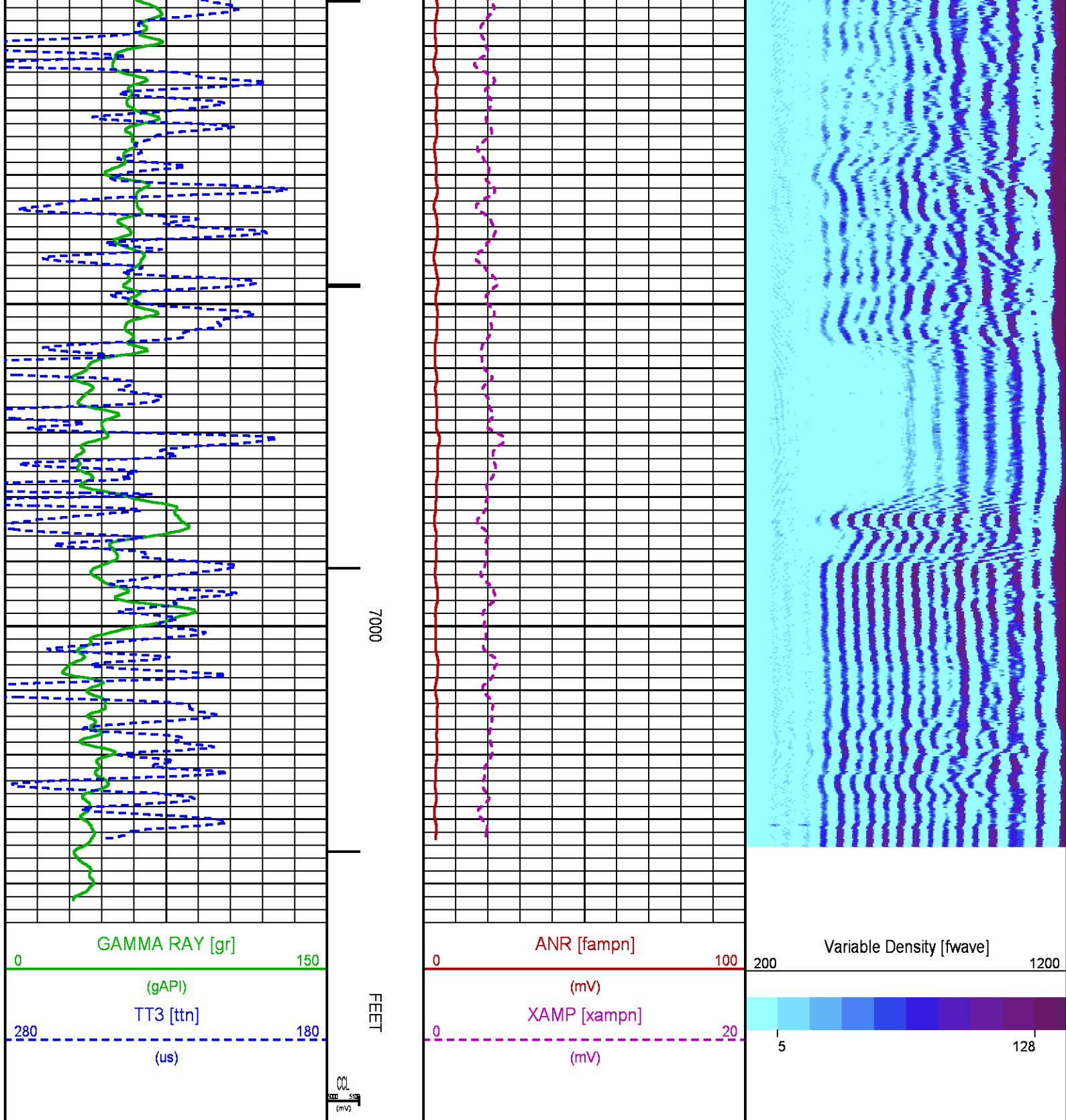
Data File 1 : F1 : BHUGHES-06627:C:\dat1a\093576\333_CBL_REPEAT.xtf
Created On : Jan 1 11:01:06 2015
Company : WPX ENERGY
Well : WPX GM 333-28
Field : GRAND VALLEY
File Interval : 6710 - 7045.5 Feet
OCT : n012g

GAMMA RAY [gr]

ANR [fampn]

Variable Density [fuvrho]





CALIBRATION / VERIFICATION SUMMARY

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Thu Jan 01 10:25:22 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)	0.00	0.05	0.13	0.09	0.08	0.25	0.00	0.04	0.05	1.10	0.12
AMP FLUID (mV)	88	87	86	87	87	88	88	88	88	117	87
TT (us)	216	217	216	215	214	214	214	215	217	325	217
M FACTOR	1.14	1.15	1.16	1.15	1.15	1.14	1.14	1.14	1.14	1.30	1.16

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10218495

DATE/TIME PERFORMED: Thu Jan 01 10:29:13 2015

DAYS SINCE CAL: 0

UNIT #: 3885TD Z004271

CABLE #: 4271LG LARGE1

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	0.04	0.02	0.02	-0.05	-0.01	0.01	-0.01	0.08	0.05	0.11	0.17
AMP AIR	4.00	3.76	4.35	4.36	4.20	4.13	4.11	4.26	3.98	5.58	99.69

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

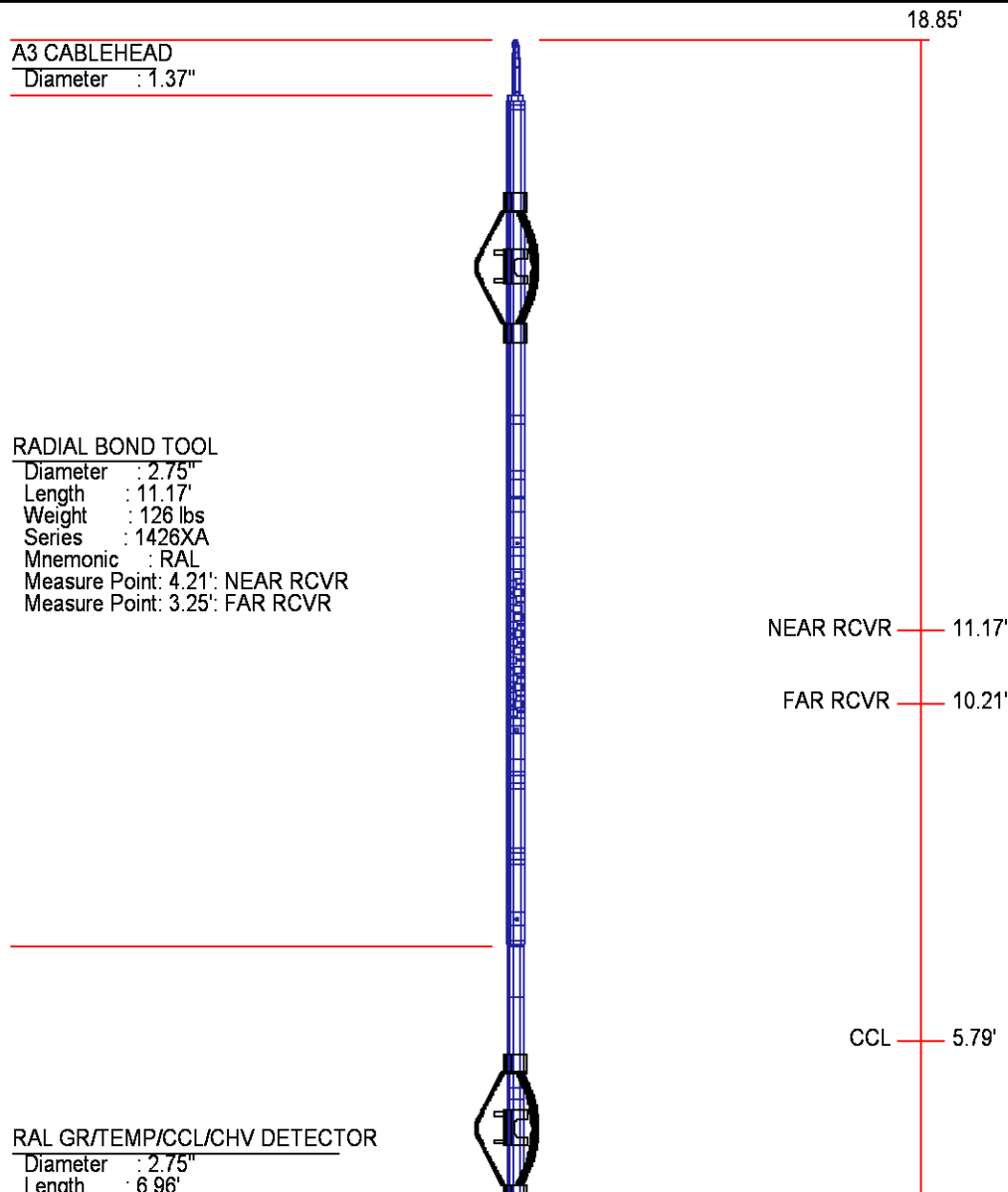
UNIT #: 3885TD Z004271

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

INSTRUMENT CONFIGURATION



Source File: C:\dat1a\093576\CBL-tdg.meta



Weight : 85 lbs
Series : 1355XA
Mnemonic : RAL
Measure Point: 5.79': CCL
Measure Point: 1.67': GR
Measure Point: 0.17': TEMP

GR 1.67'
TEMP 0.17'

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

 BAKER HUGHES 	COMPANY <u>WPX ENERGY</u>	FILE NO: <u>CH093576</u>
	WELL <u>WPX GM 333-28</u>	API NO: <u>05045225000000</u>
	FIELD <u>GRAND VALLEY</u>	
COUNTY <u>GARFIELD</u> STATE <u>COLORADO</u>	LOCATION: SHL: 1506' FSL & 2358' FWL BHL: 2329' FSL & 1526' FEL (NWSE)	ELEVATIONS: KB 5500 FT DF GL 5476 FT
SEC <u>28</u> TWP <u>6S</u> RGE <u>96W</u>	DATE <u>1-Jan-2015</u>	<u>28 6S 96W</u> <u>GM 323-28 PAD</u> <u>H&P 318</u>

