



FILE NO:	COMPANY	TEP ROCKY MOUNTAIN LLC	
API NO:	WELL	YOUBERG RU 421-7	
05045232330000	FIELD	RULISON	
	COUNTY	GARFIELD	STATE COLORADO

Ver. 4.06	LOCATION:	OTHER SERVICES
	SHL: 2002' FNL & 1908' FWL	RPM
	BHL: 1178' FNL & 1949' FWL	
	SEC 7 TWP 7S RGE 93W.	

PERMANENT DATUM	GL	ELEVATION	7339 FT	ELEVATIONS:
LOG MEASURED FROM	KB	24 FT	ABOVE P.D.	KB 7363 FT
DRILL. MEAS. FROM	KB			DF
				GL 7339 FT

DATE		20-OCT-2016			
RUN	TRIP	1	1		
SERVICE ORDER		US109596			
DEPTH DRILLER		9503 FT			
DEPTH LOGGER		9504 FT			
BOTTOM LOGGED INTERVAL		9503 FT			
TOP LOGGED INTERVAL		24 FT			
TIME STARTED		14:00			
TIME FINISHED		17:00			
OPERATOR RIG TIME		3 HRS			
TYPE OF FLUID IN HOLE		WATER			
FLUID DENSITY		NA			
FLUID SALINITY		NA			
FLUID LEVEL		55 FT			
LOGGED CEMENT TOP		SEE LOG			
WELLHEAD PRESSURE		0 PSI			
MAXIMUM HOLE DEVIATION		NA			
NOMINAL LOGGING SPEED		100 F/MN			
MAX. RECORDED TEMP.		246 DEGF			
REFERENCE LOG		NA			
REFERENCE LOG DATE		NA			
EQUIP. NO.	LOCATION	HL-6670	WOODWARD		
RECORDED BY		M.MENTZER			
WITNESSED BY		MR. KYLE KOHL			

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
13.5 IN	0 FT	1124 FT
8.75 IN	1124 FT	9503 FT

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
9.625 IN	-	-	0 FT	1124 FT
4.5 IN	11.6 LB/F	-	0 FT	9503 FT

REMARKS
RUN 1 TRIP 1: *2 OPERATIONS IN WELL*
OPERTION 1: RAL/GR/CCL RUN CENTRALIZED
WELL LOGGED WITH 0 PSI ON THE WELLHEAD
BHT: 246 DEGF
SHORT JOINT: 5736' - 5757'
CREW: K.NUTTER, J.PENA

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
1	1	RAL	1426 XA	10154957	CENTRALIZED
1	1	GR/CCL	1355 XA	110827	CENTRALIZED

MAIN LOG 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1,36 Patches: 9

Plotted: Wed Oct 26 14:47:15 2016

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/TEP_YOUBERG_RU_421_7/n012g02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 12.000 ft BOTTOM DEPTH: 9501.250 ft

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

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

ANALOG RAL PROCESSING					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgpn*)	177	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	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*)	-75	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

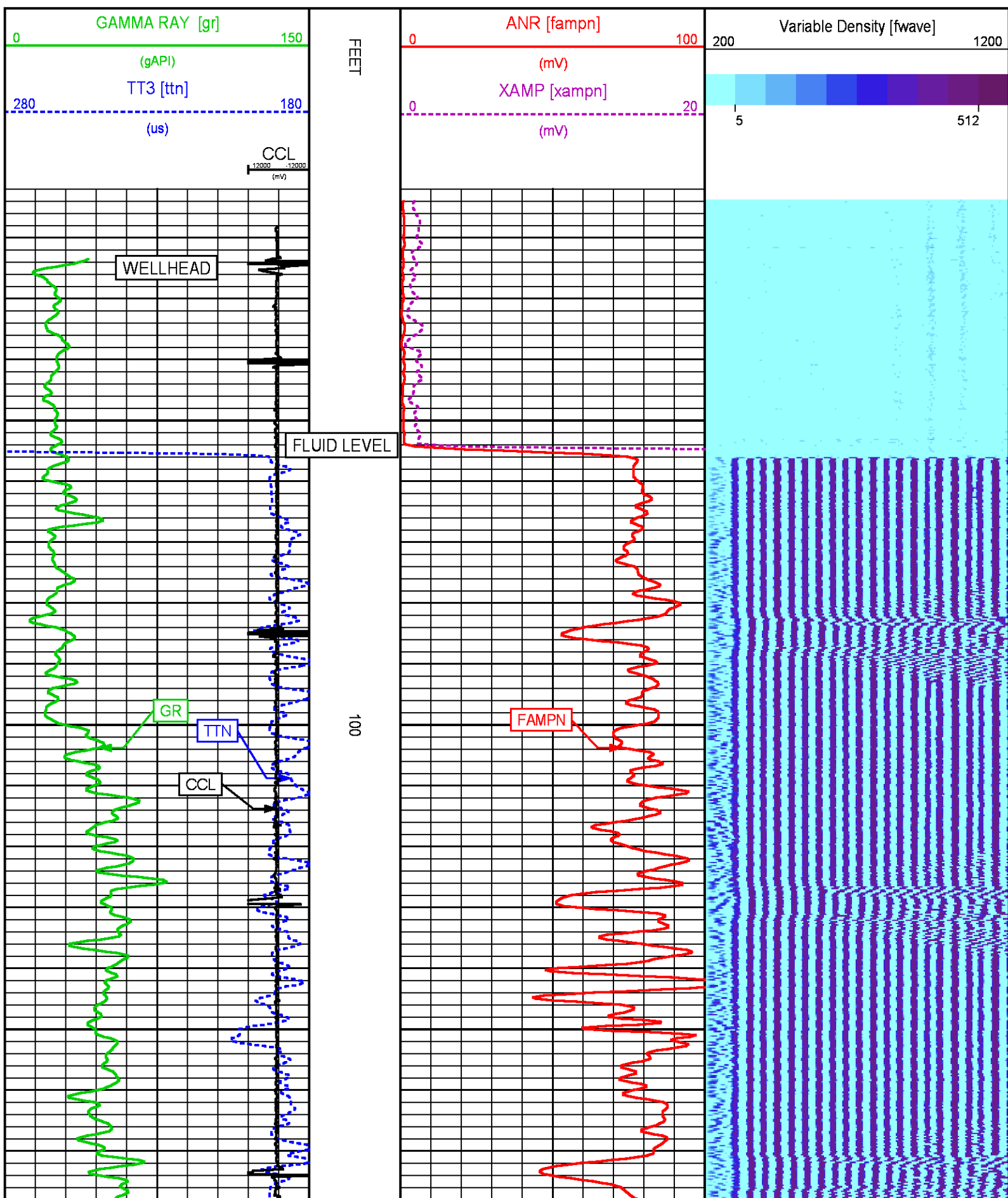
CURVE DESCRIPTION REPORT

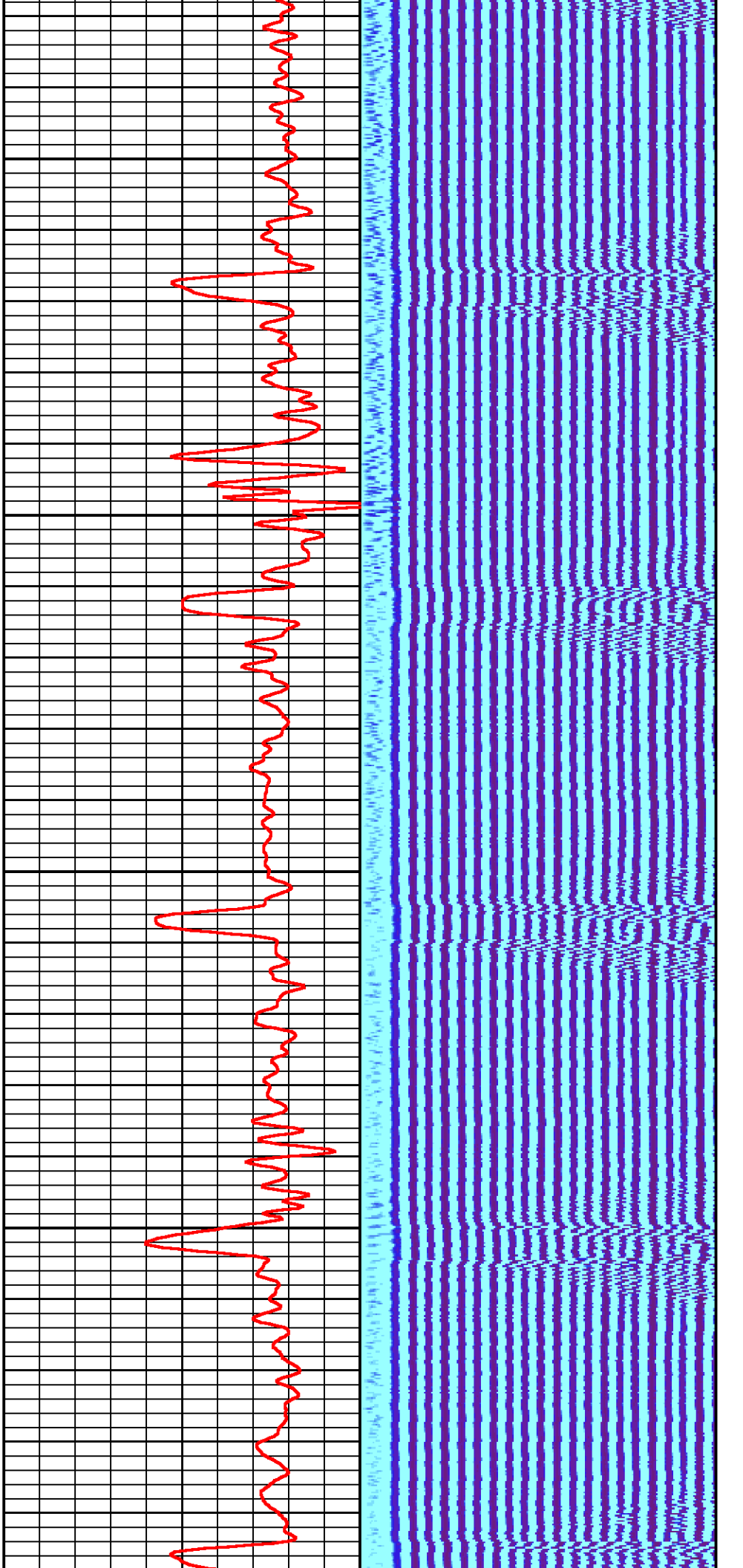
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Oct 20 16:17:42 2016	CASING COLLAR LOCATOR
F1:FAMPN	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Oct 20 16:17:42 2016	FAR WAVE FORM
F1:GR	Oct 20 16:17:42 2016	GAMMA RAY
F1:TTN	Oct 20 16:17:42 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Oct 20 16:17:42 2016	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 : cpu6728:/dat1a/TEP_YOUBERG_RU_421_7/ral_cbl+01-MAIN-RAL_MN_421-5.fvpdfr [5"/100' Scale]
Plot Interval : 13.75 - 9511.75 Feet

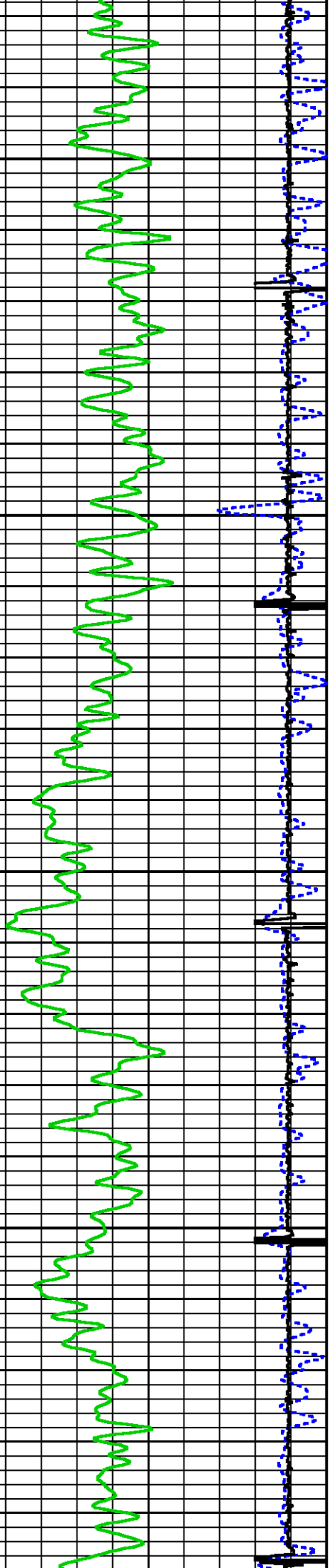
Data File 1 : F1 : cpu6728:/dat1a/TEP_YOUBERG_RU_421_7/RAL_MN_421.xtf
Created On : Oct 20 16:17:42 2016
Company : TEP ROCKY MOUNTAIN LLC
Well : YOUBERG RU 421-7
Field : RULISON
File Interval : 12 - 9513.25 Feet
OCT : n012g

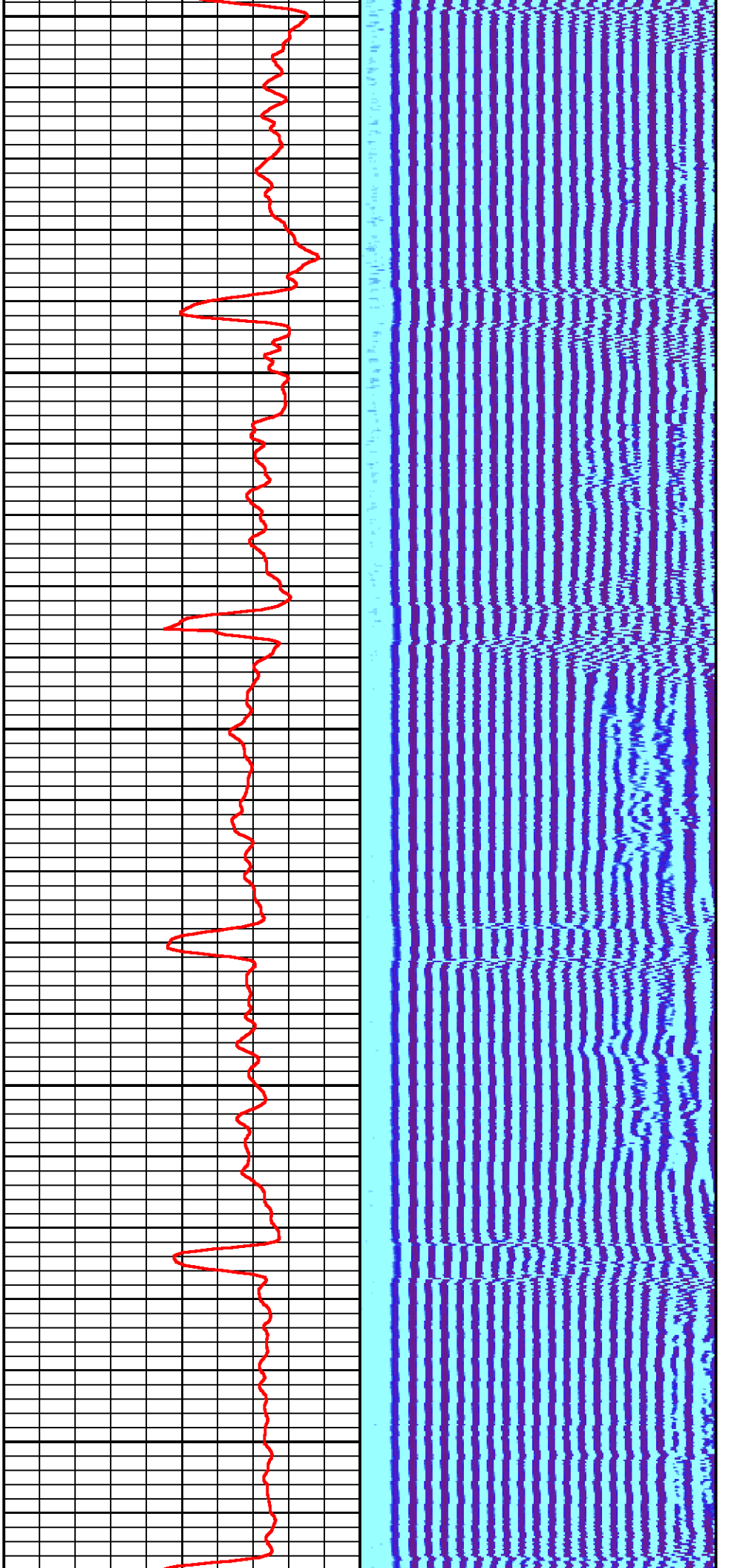




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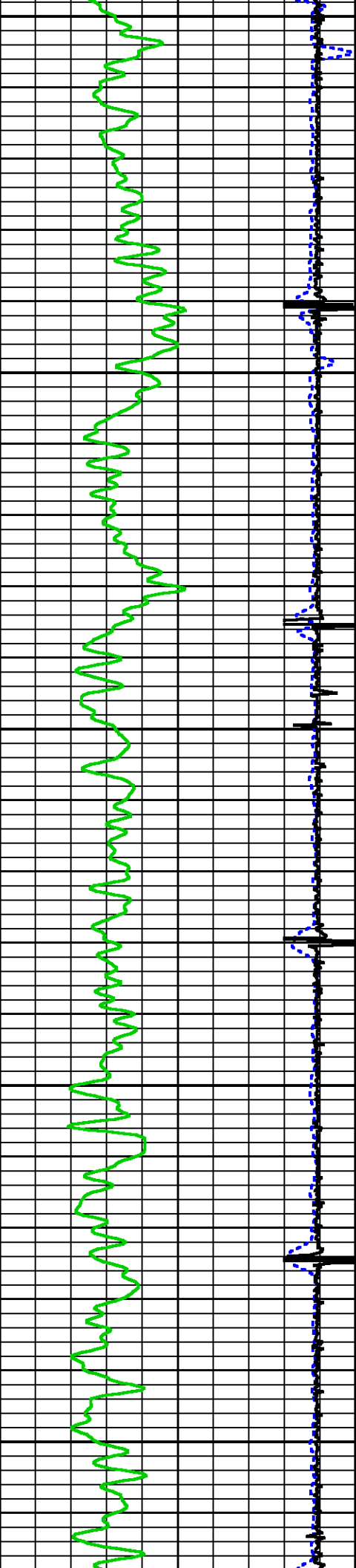


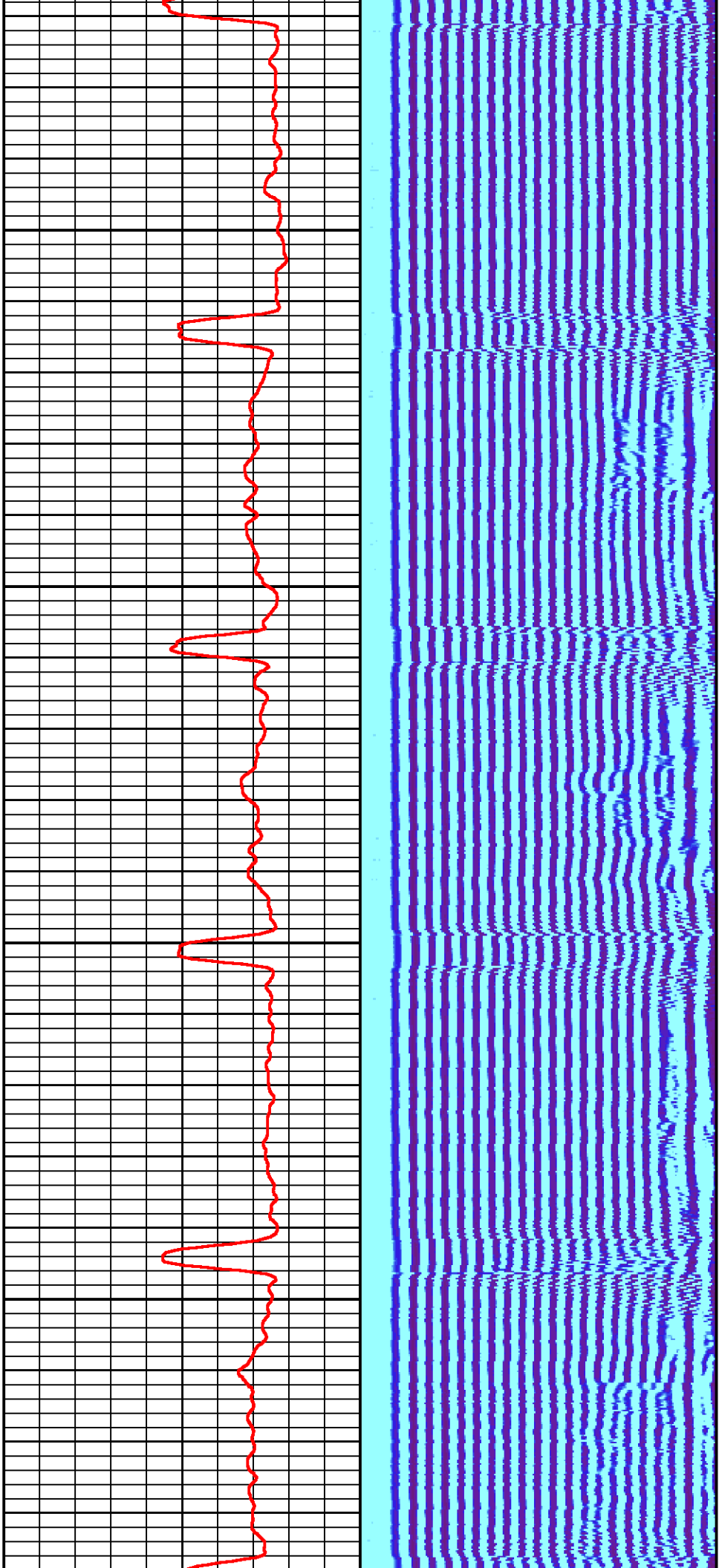


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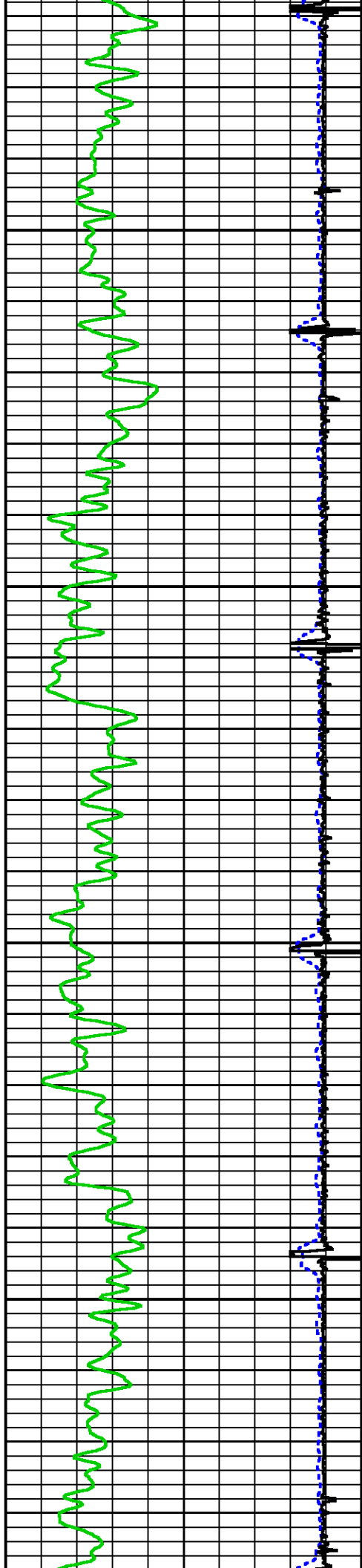
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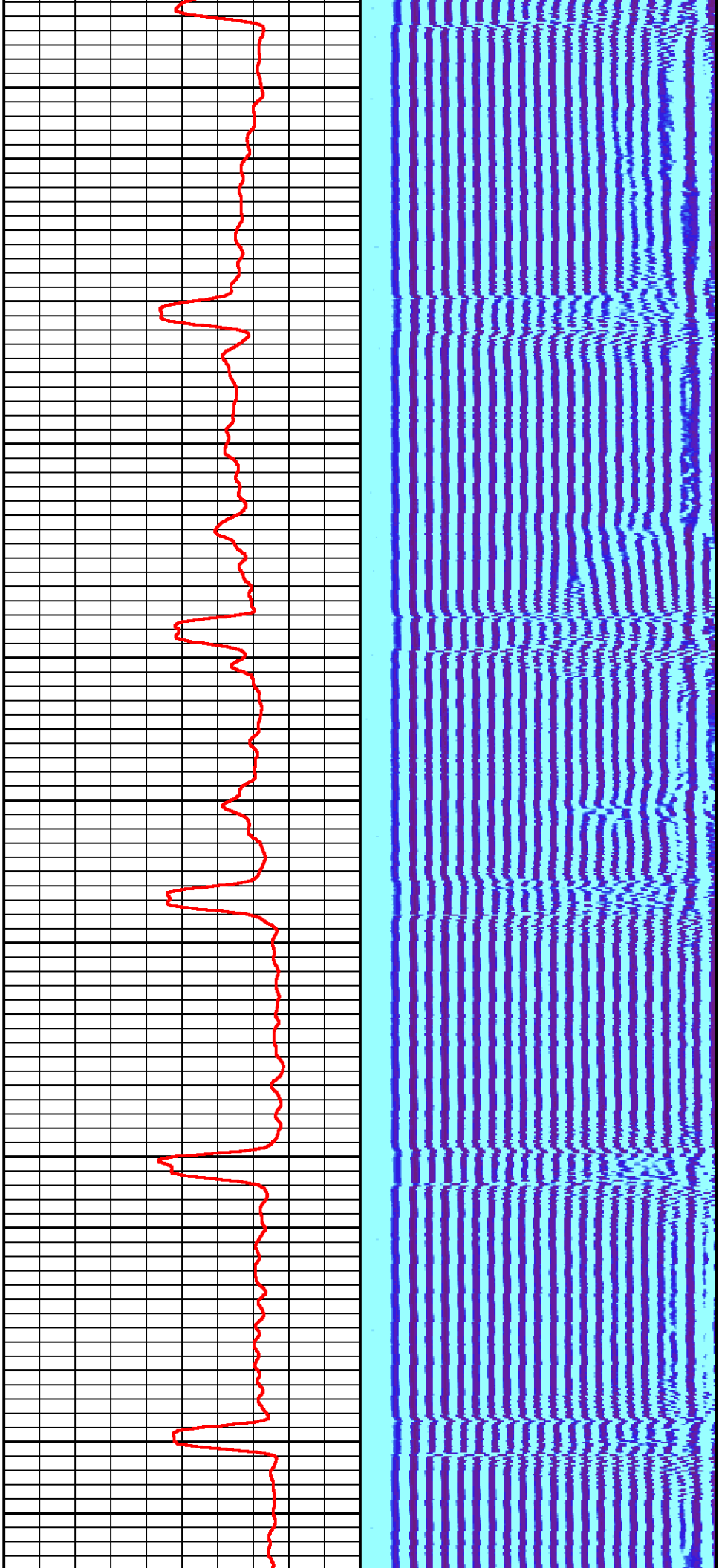




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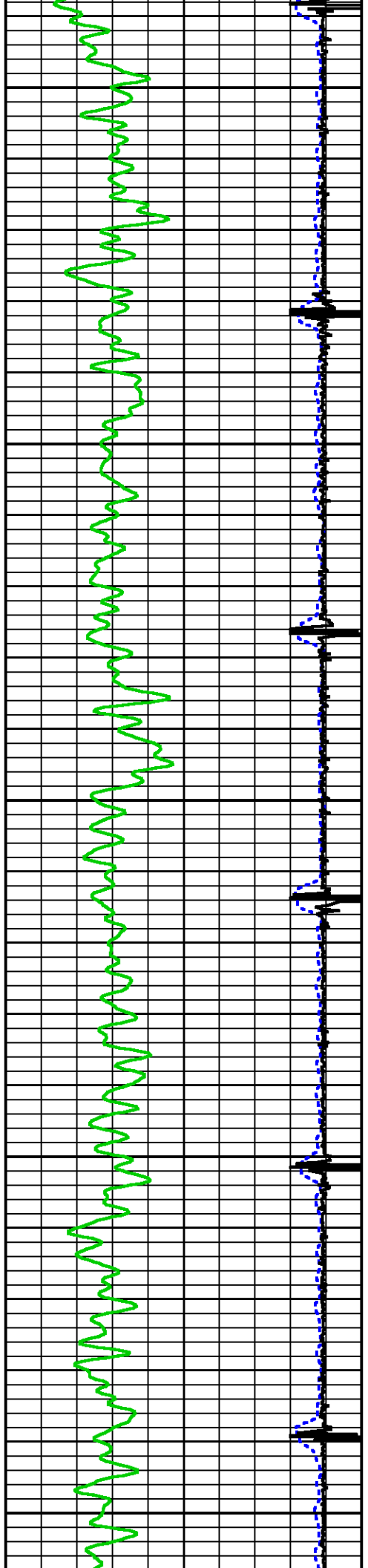
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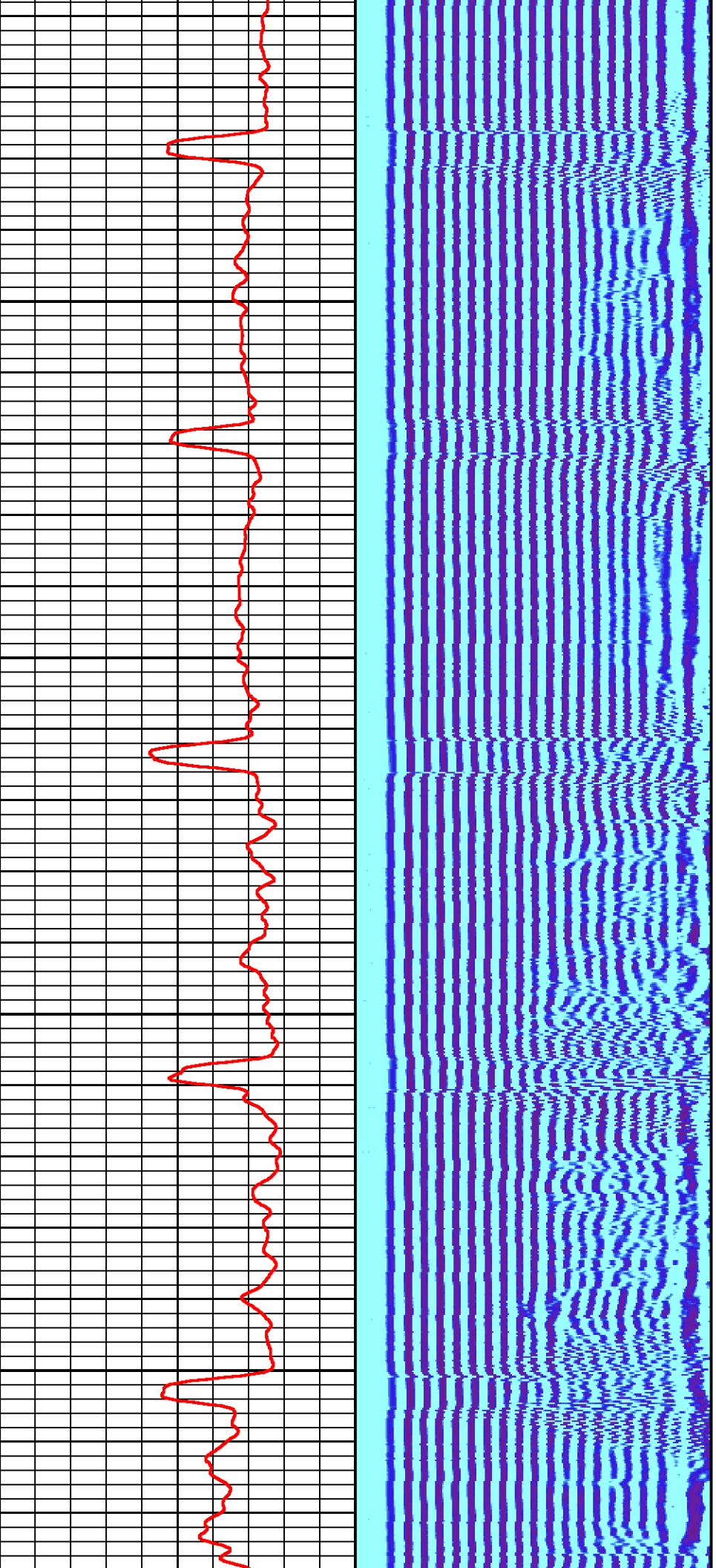




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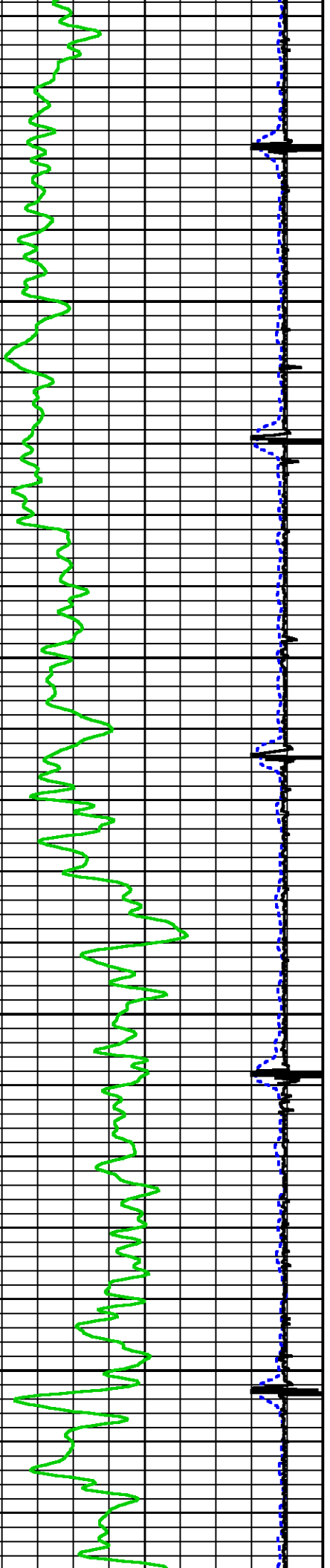
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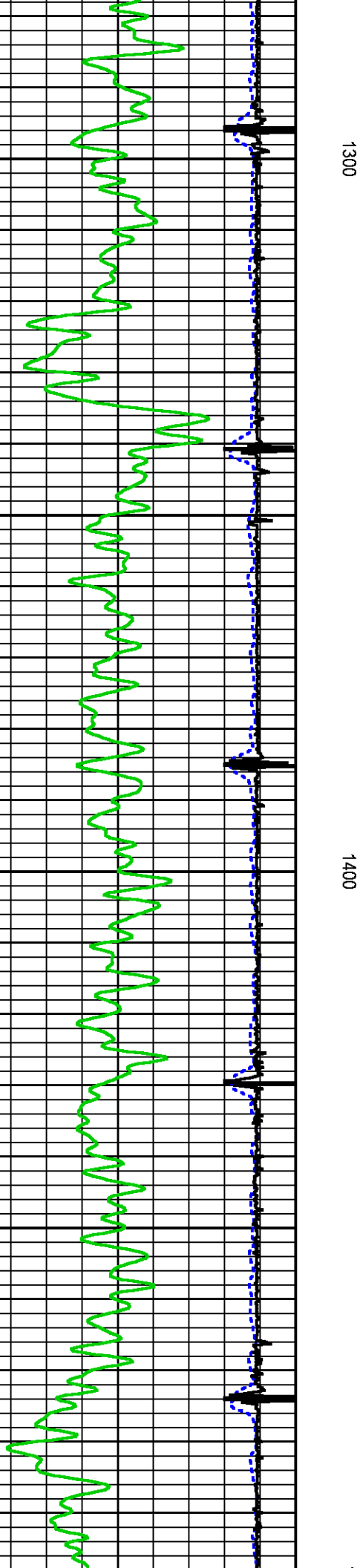
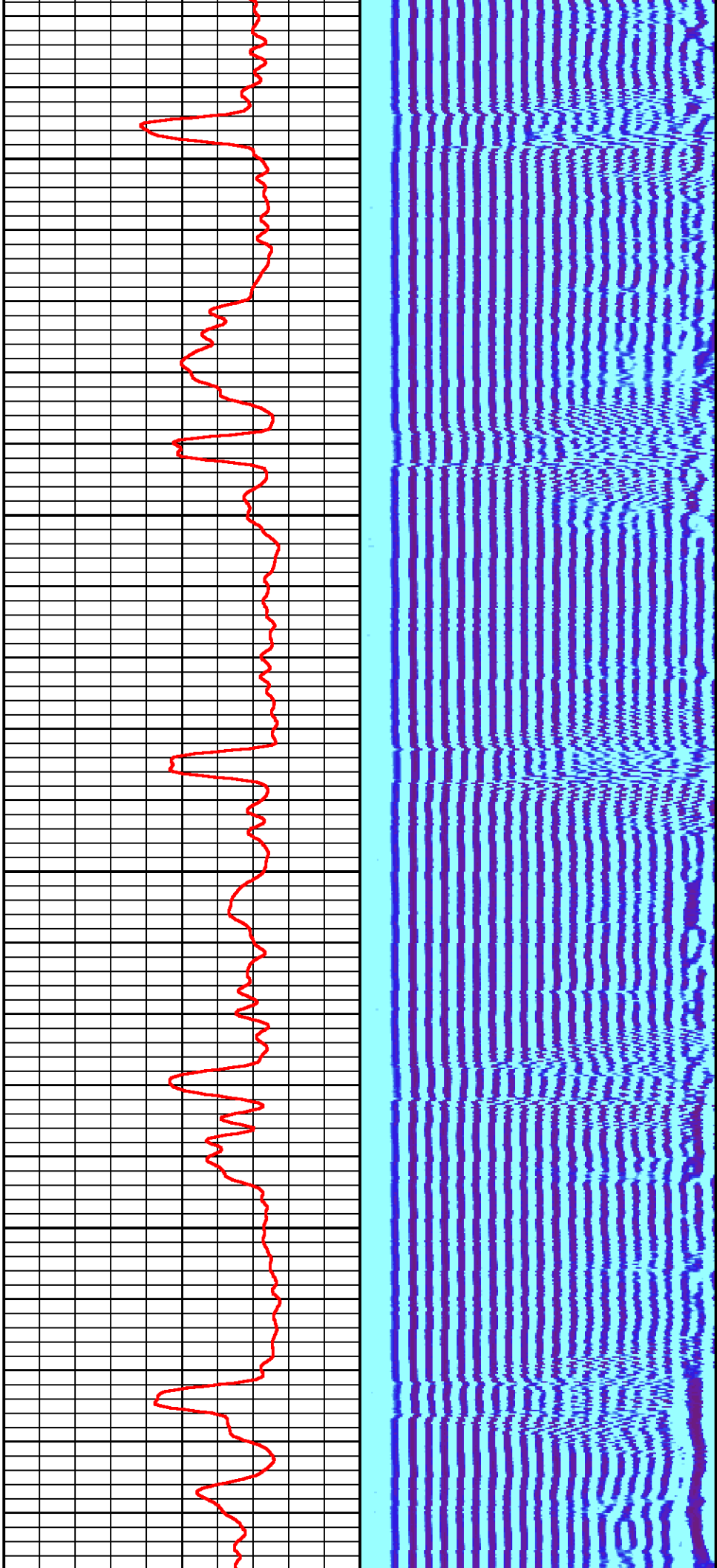


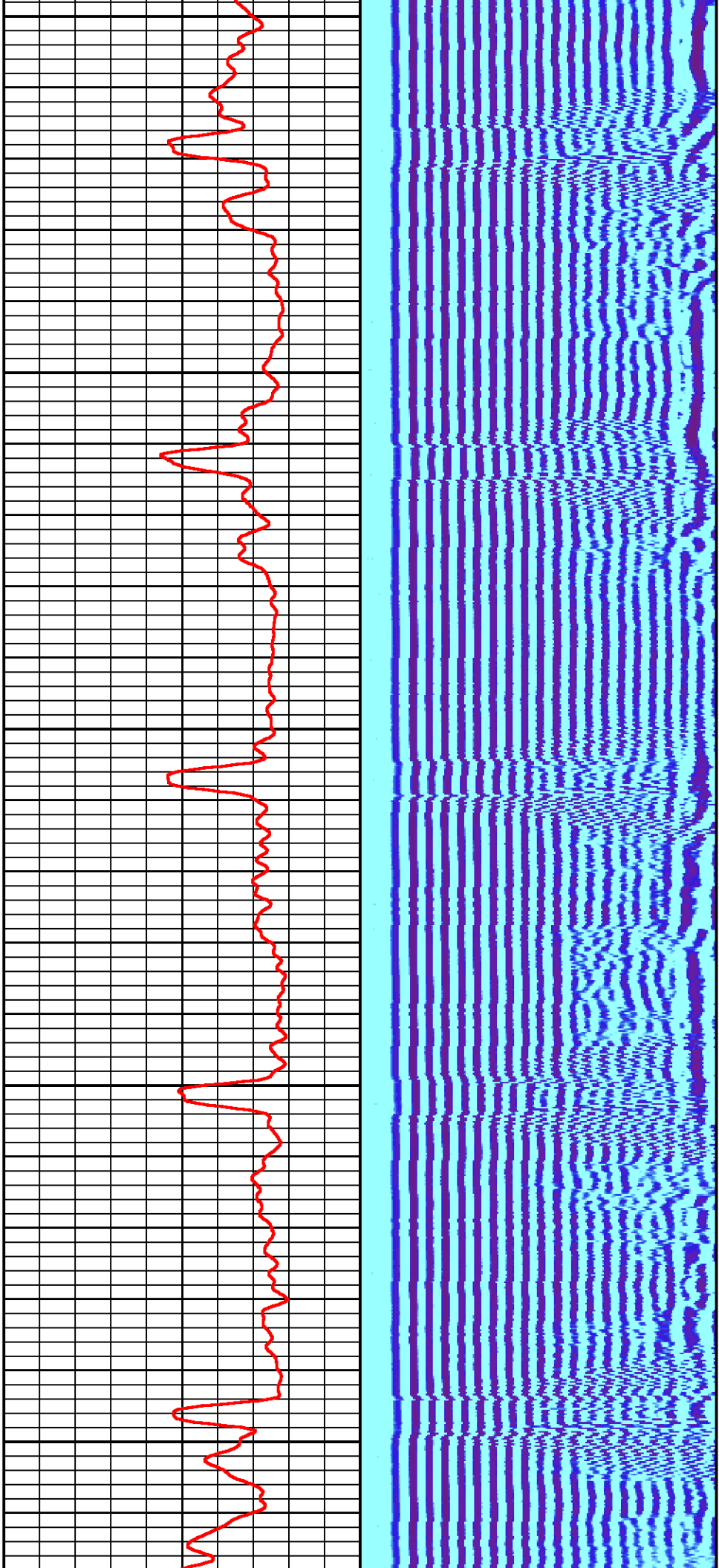


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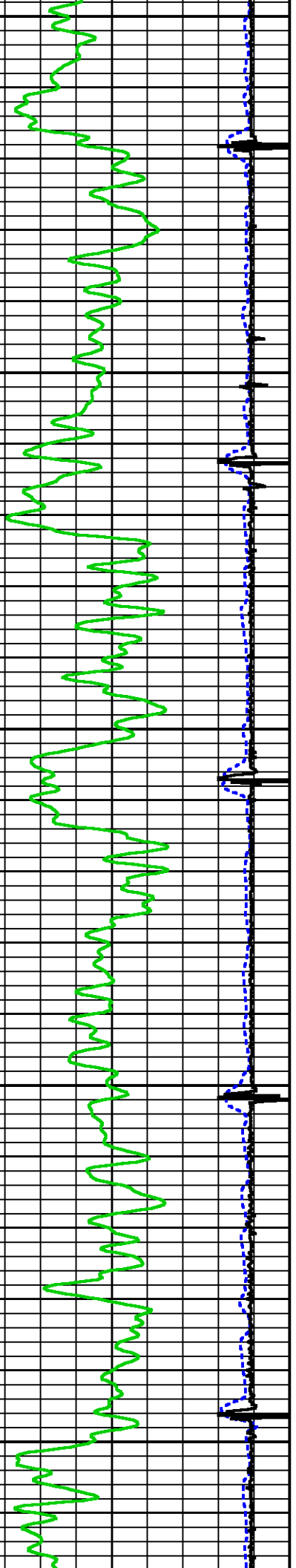


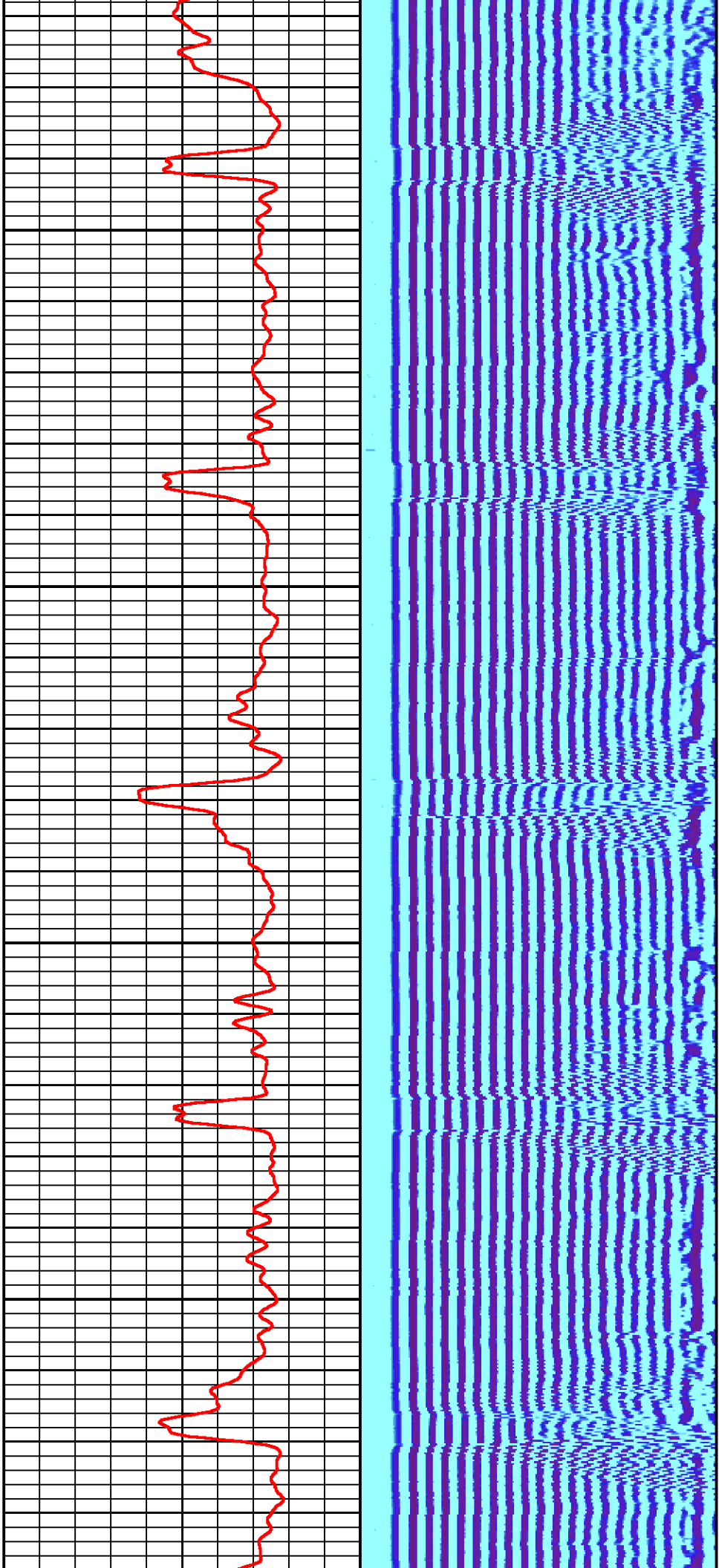


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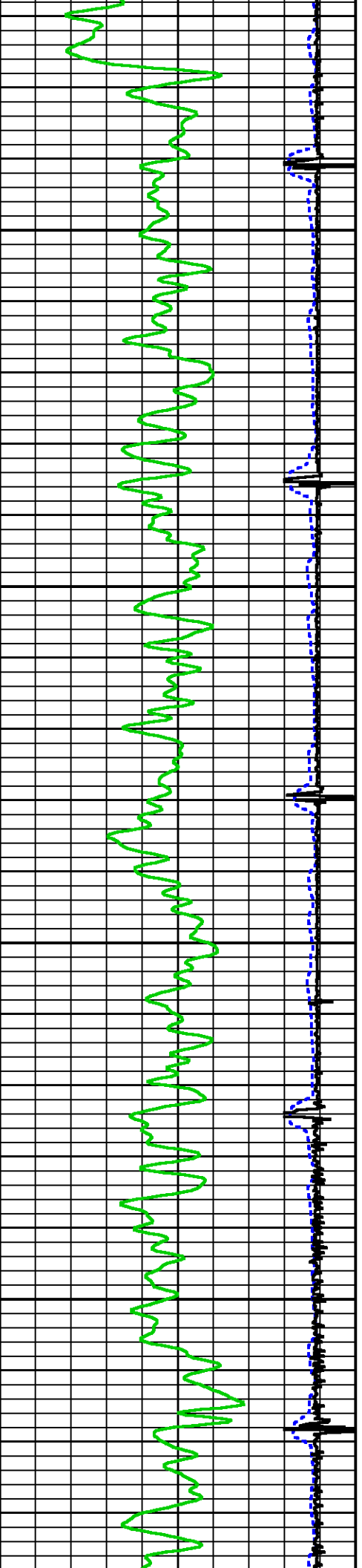
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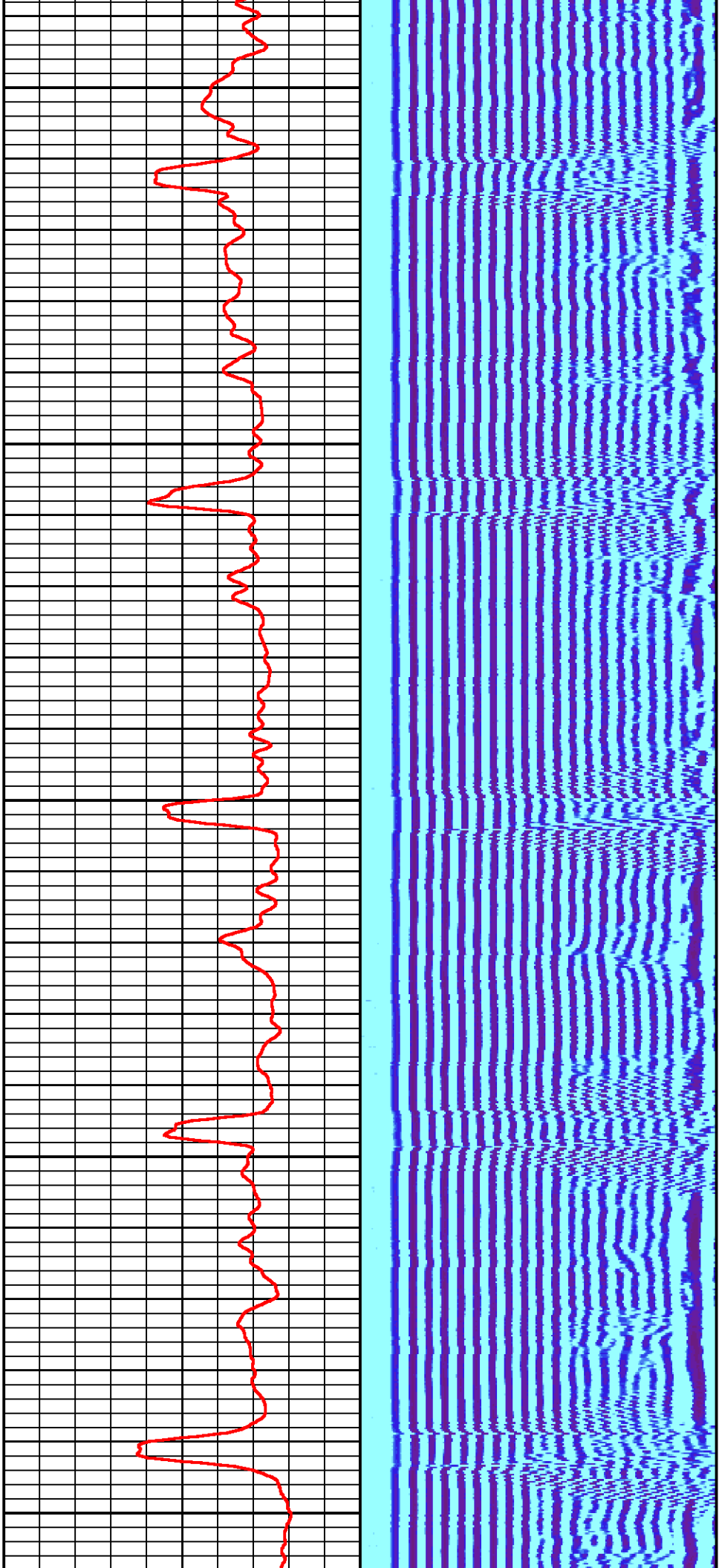




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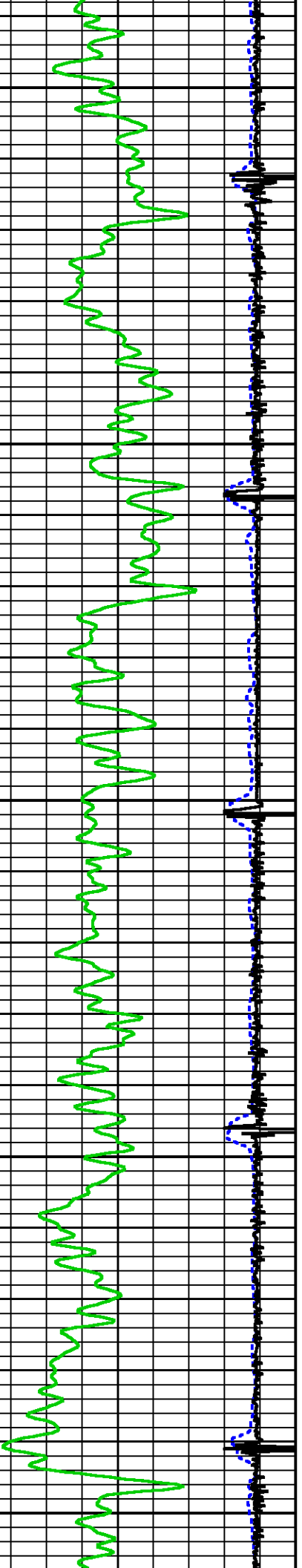
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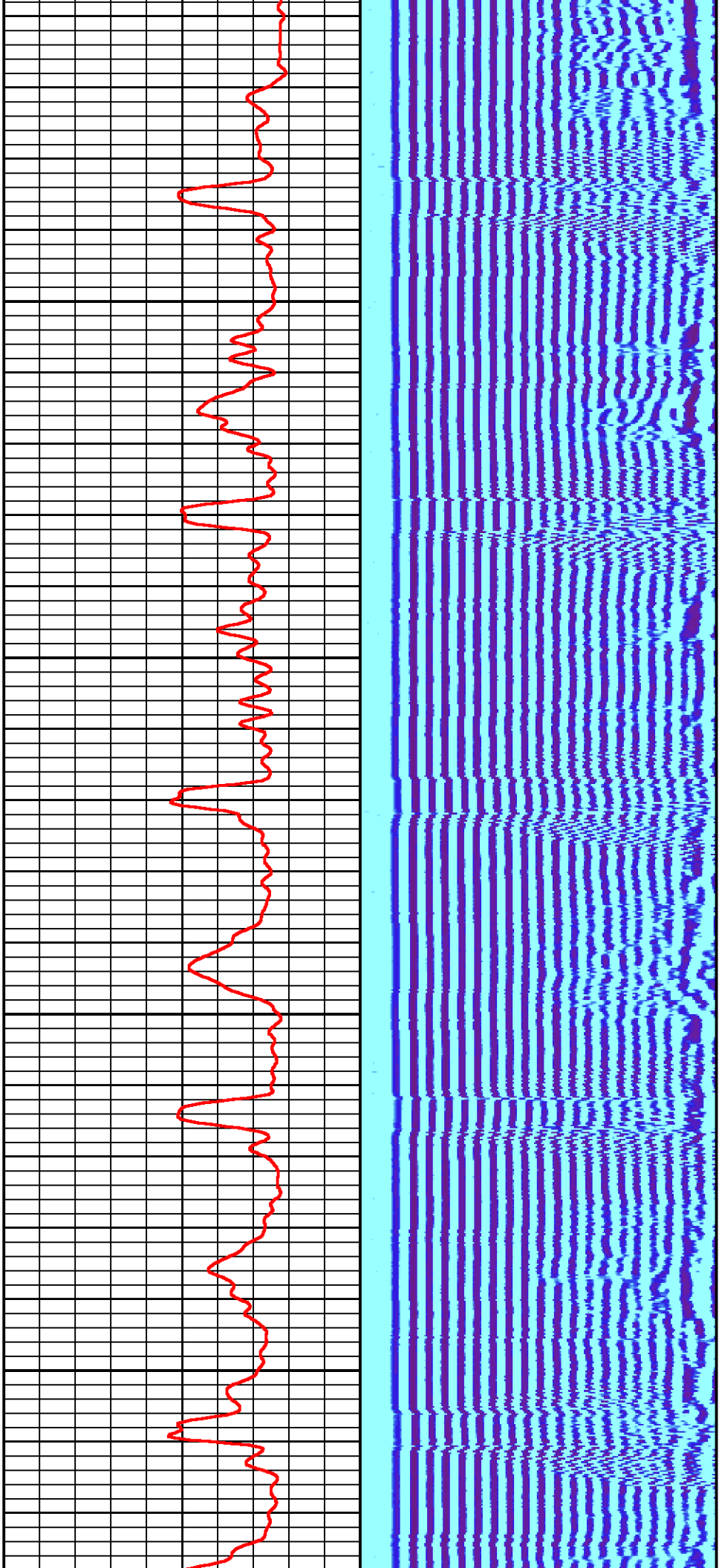




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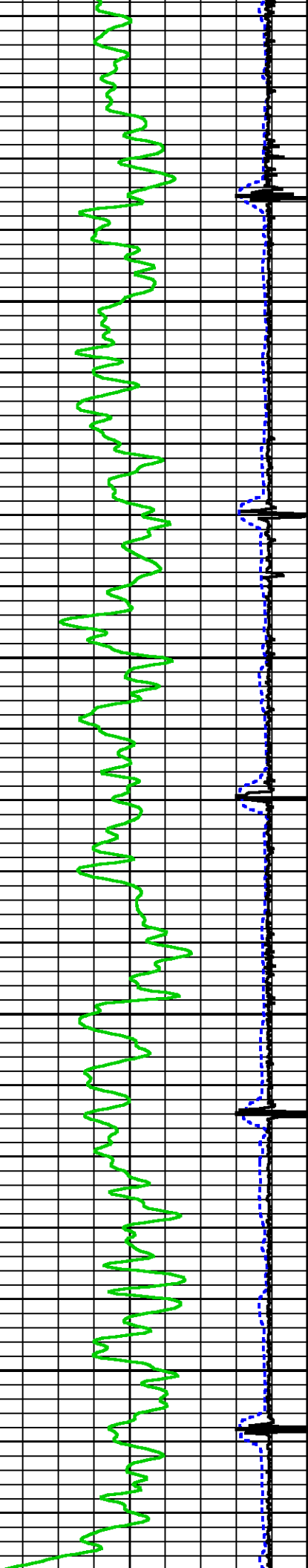
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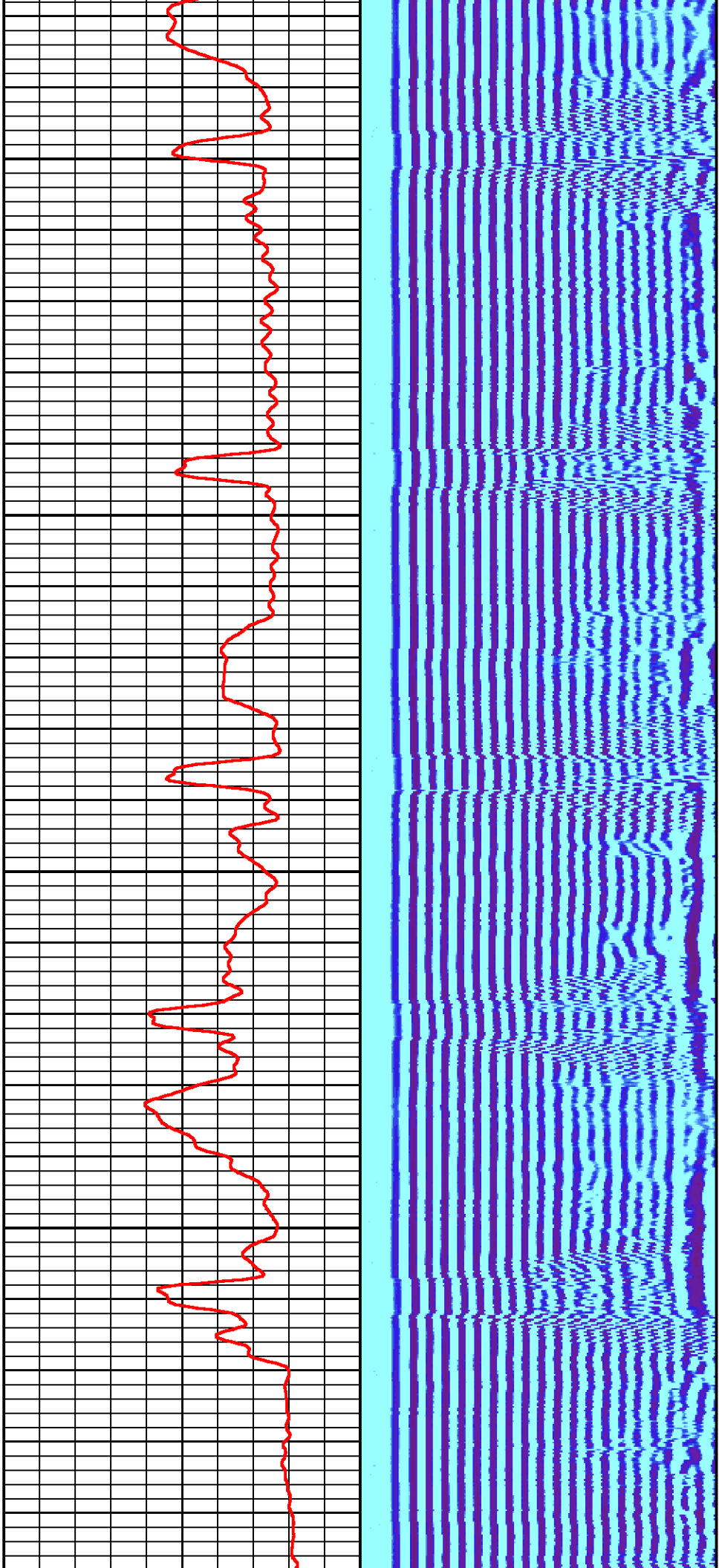




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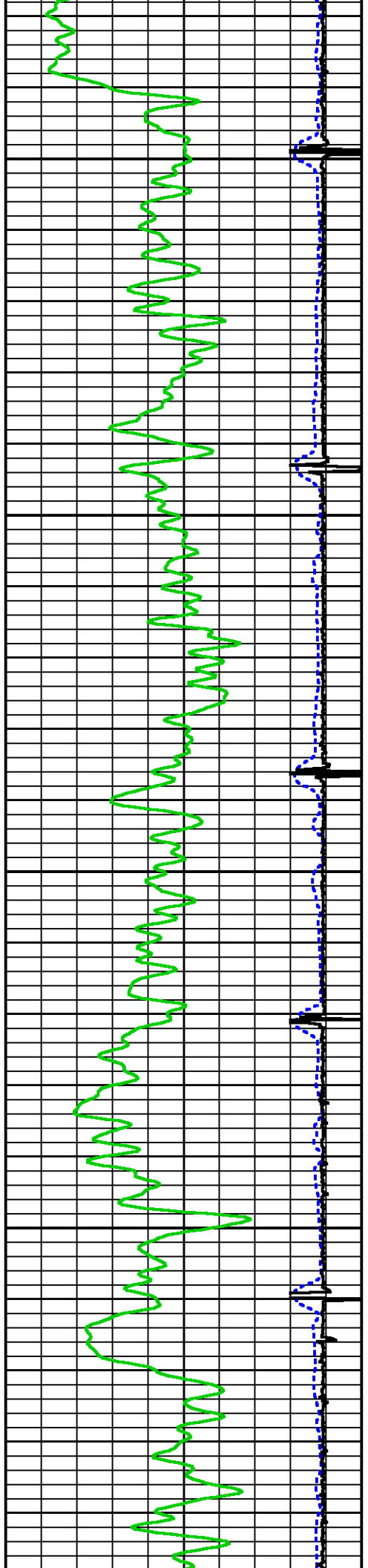
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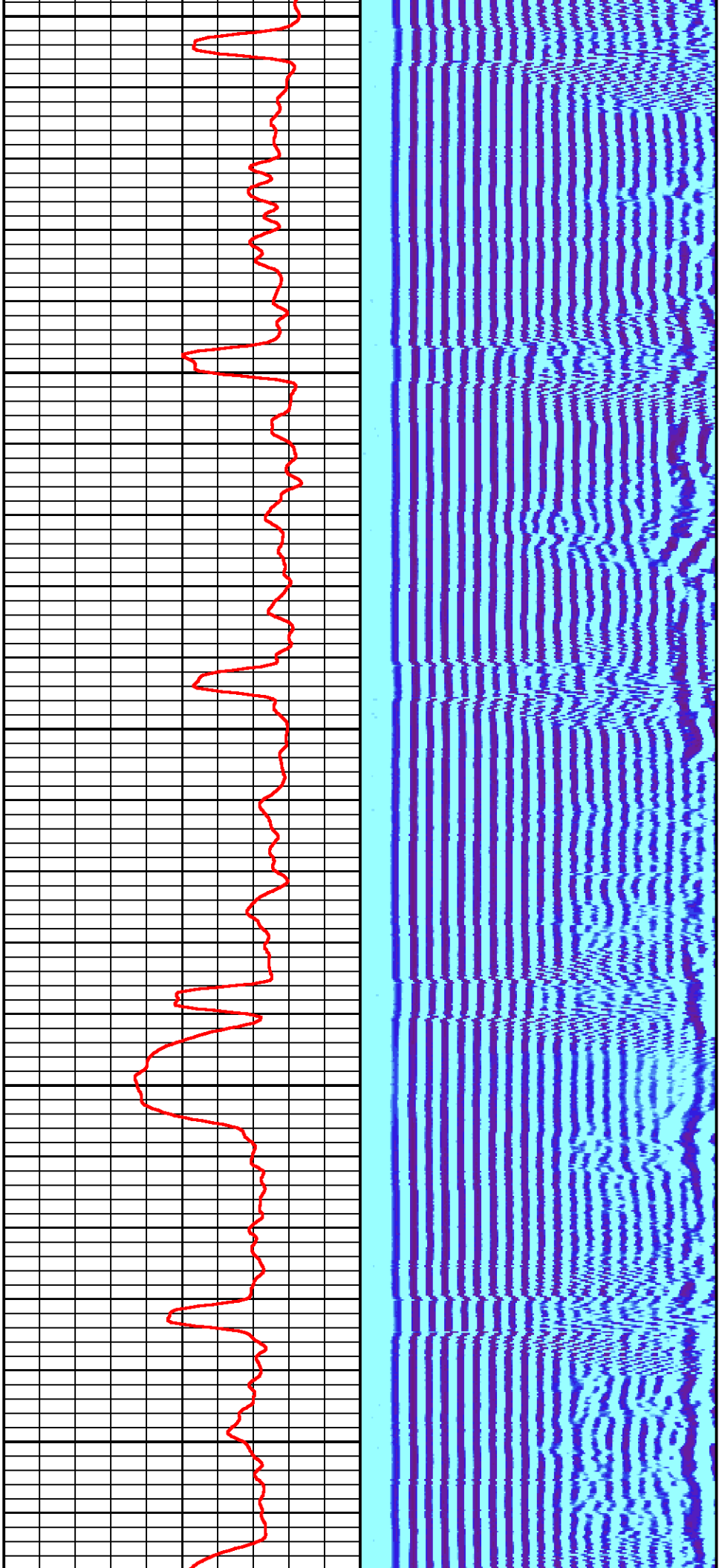




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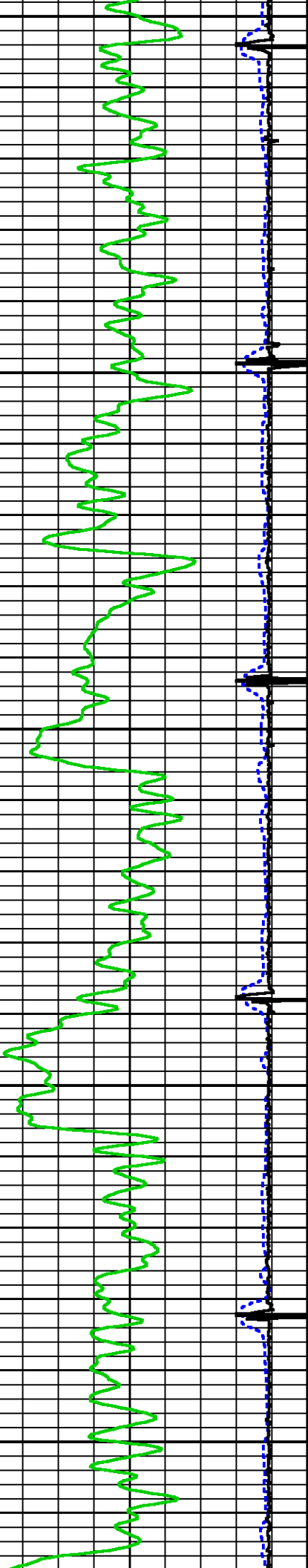


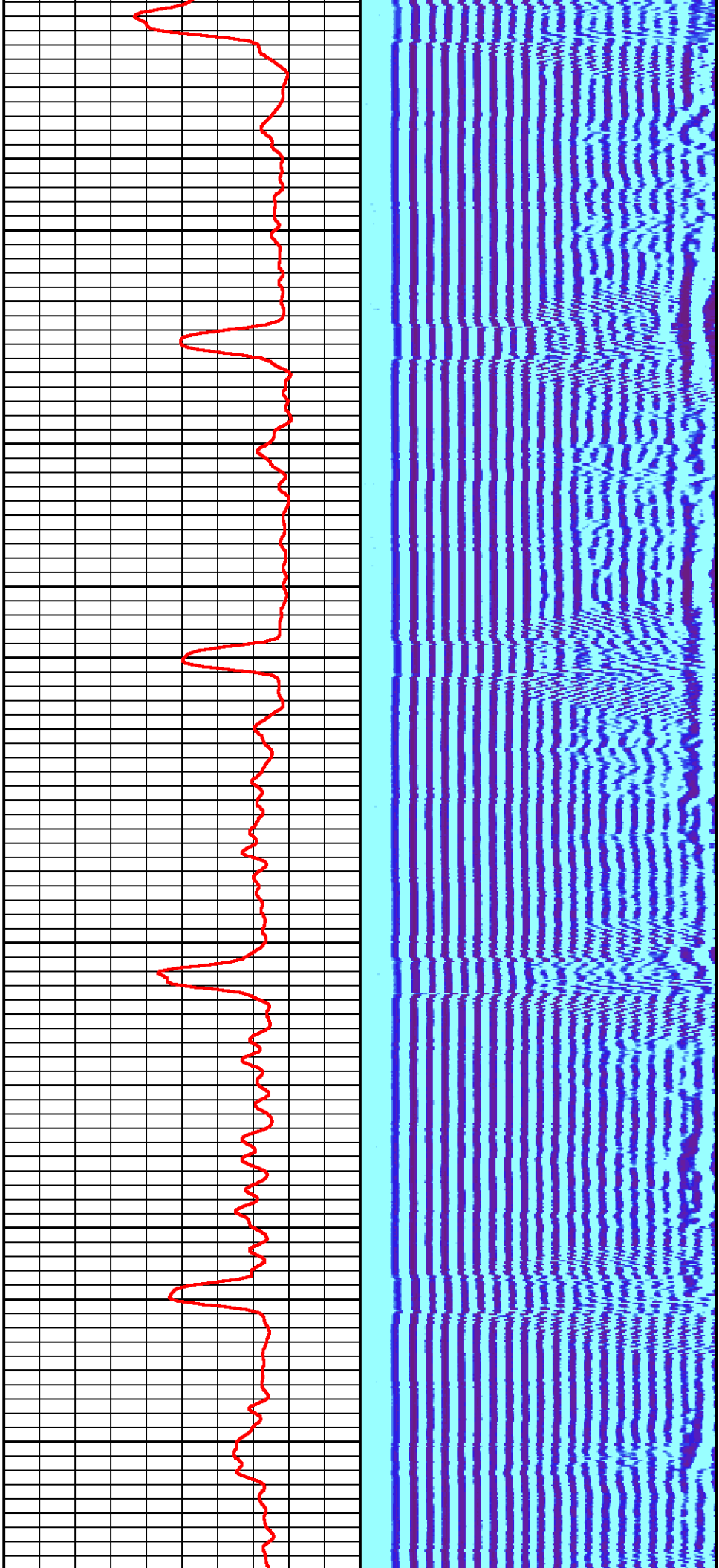


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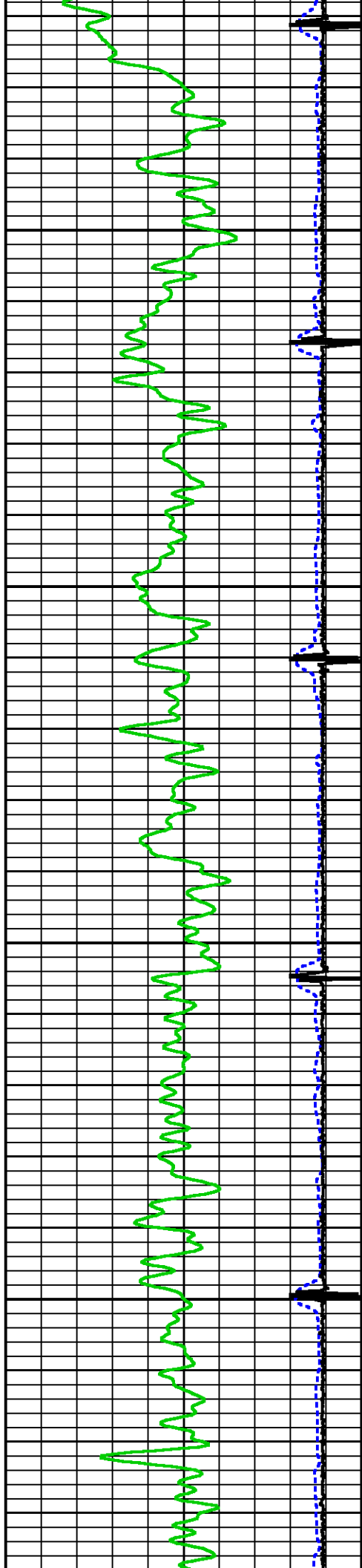
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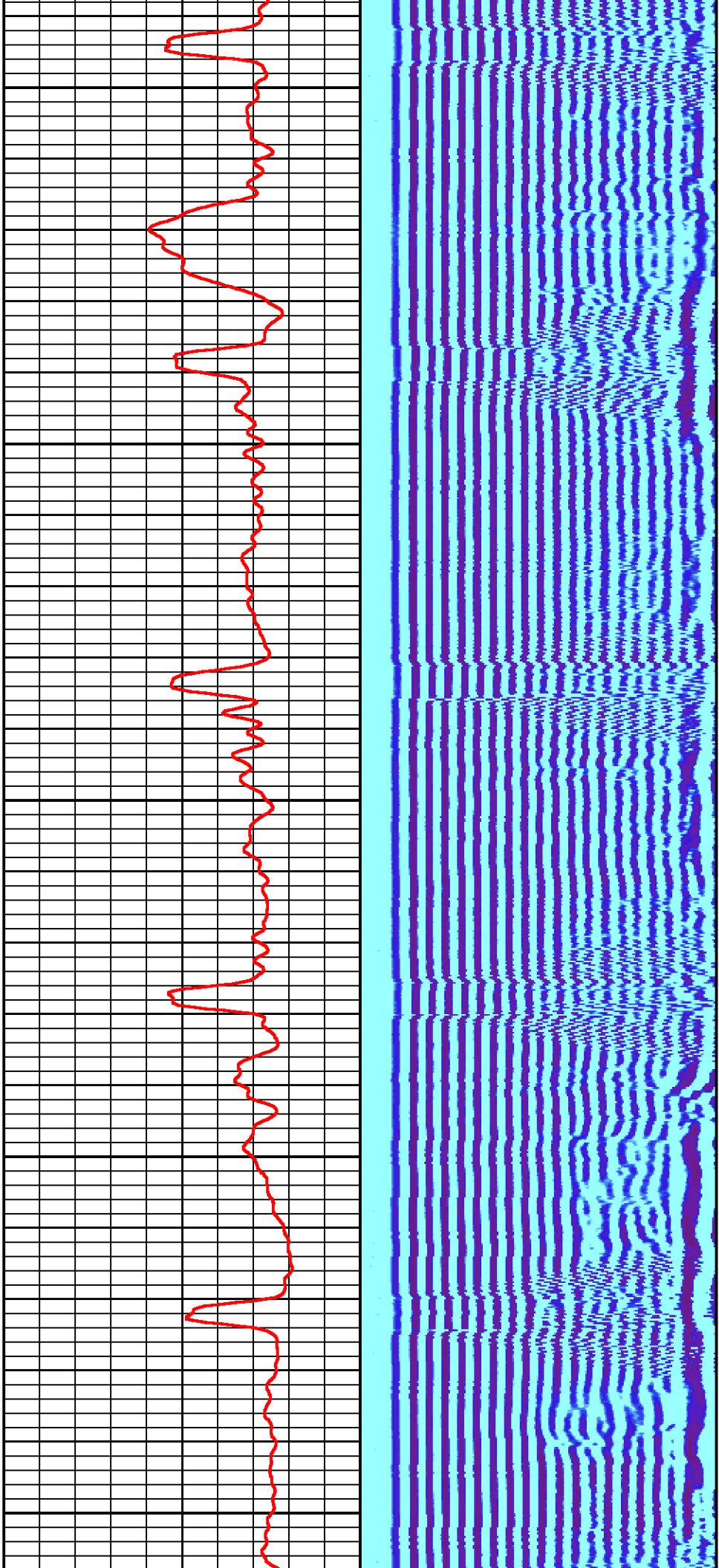




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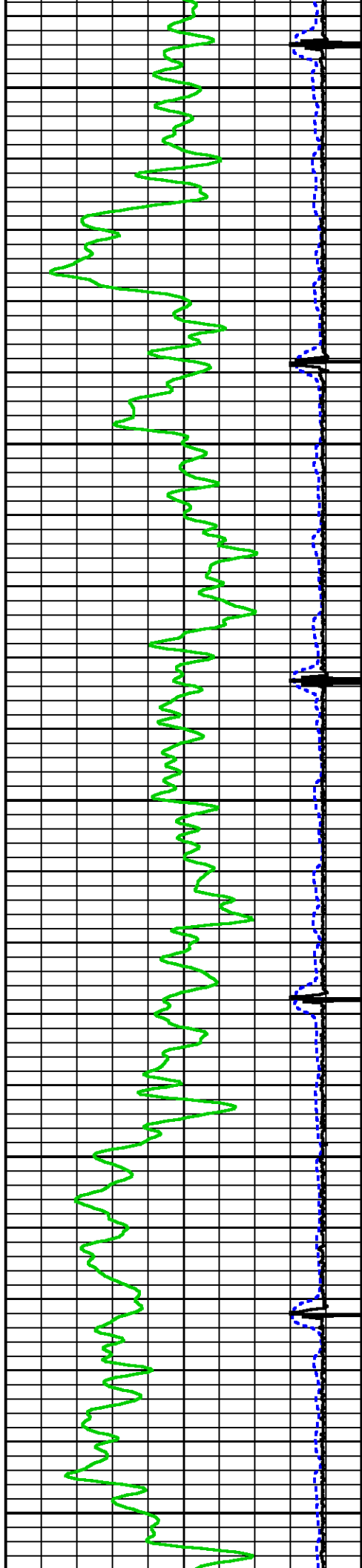
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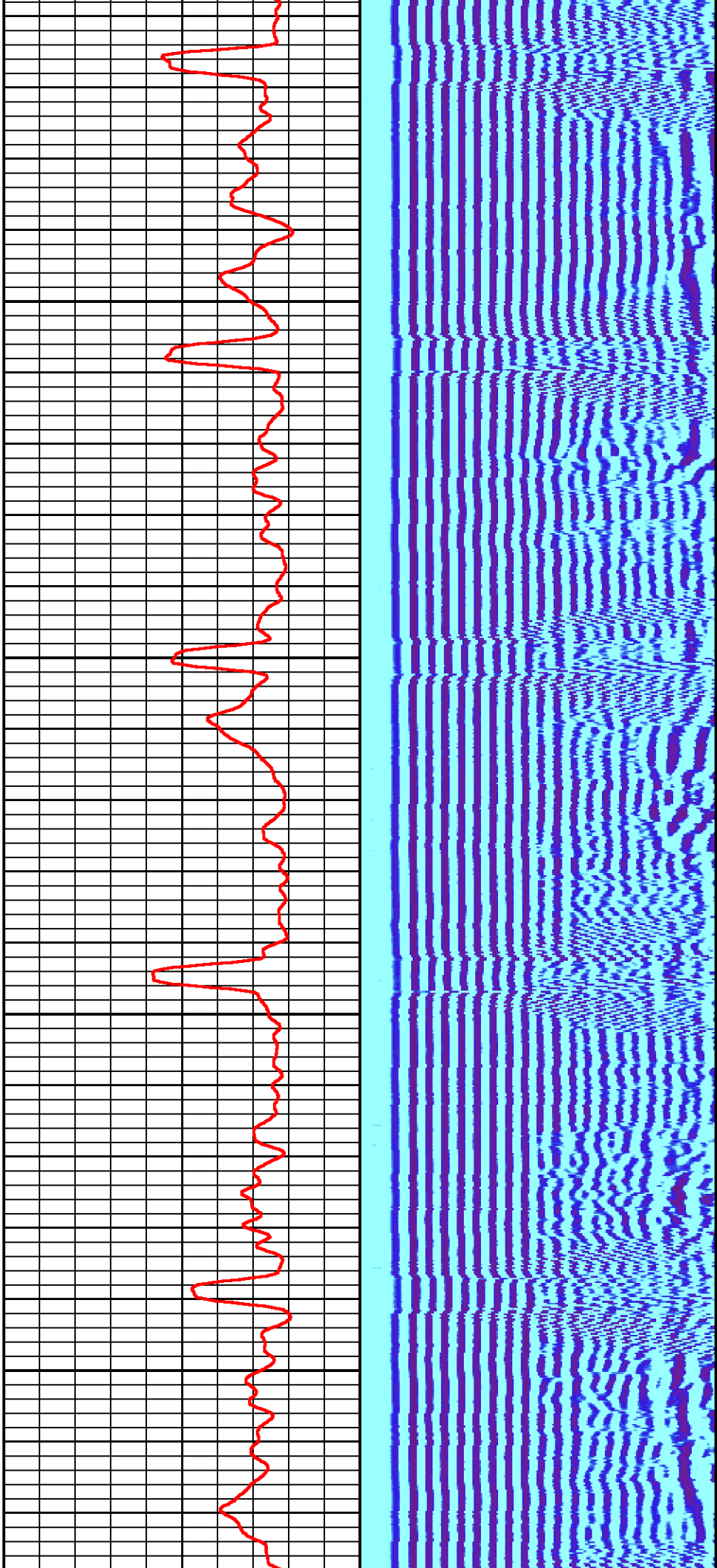




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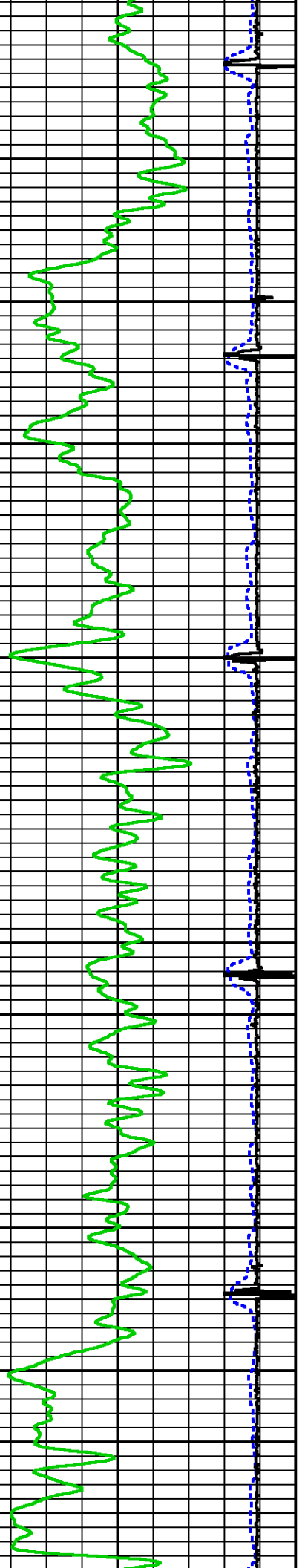
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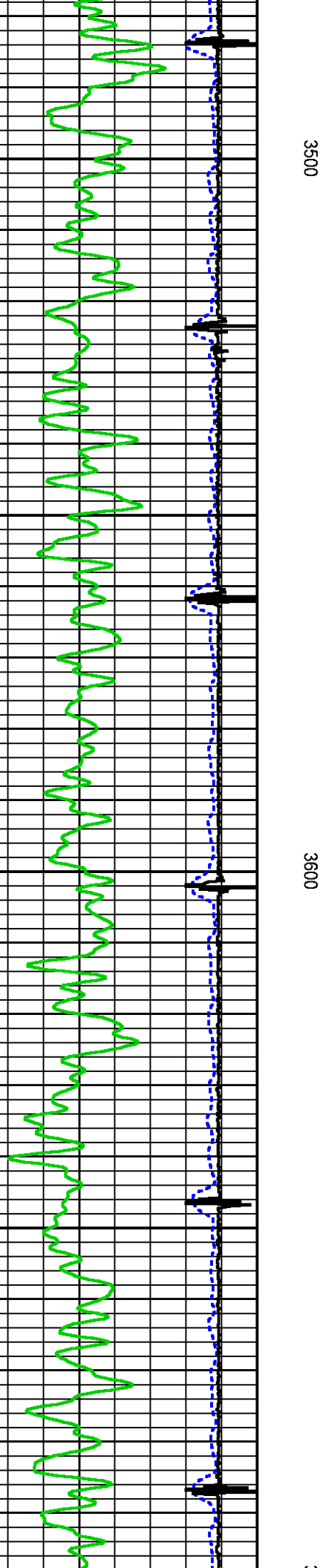
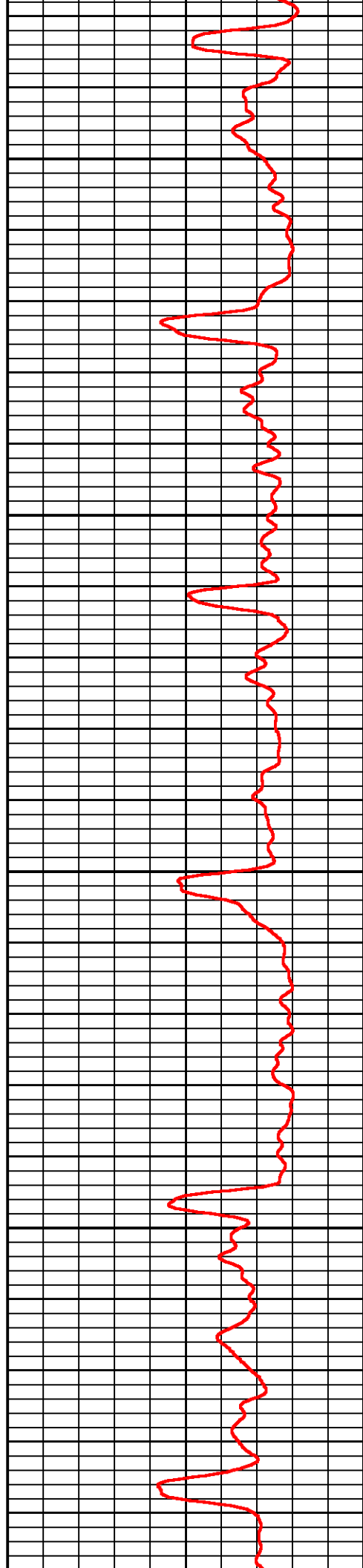
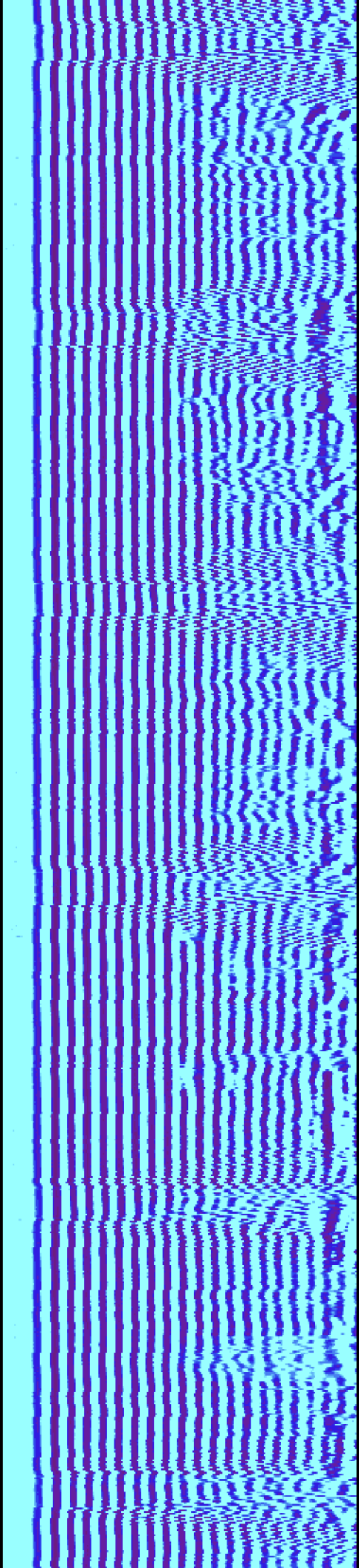


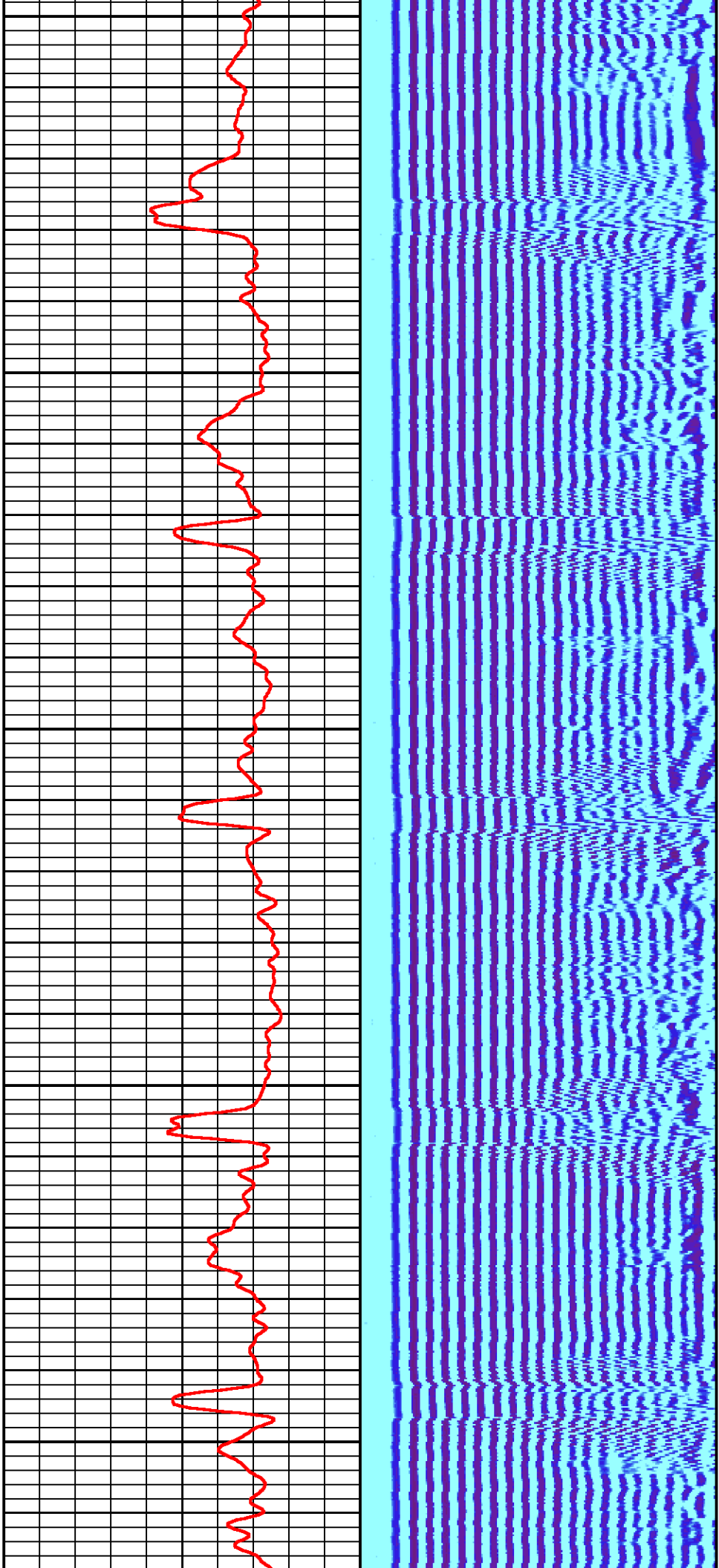


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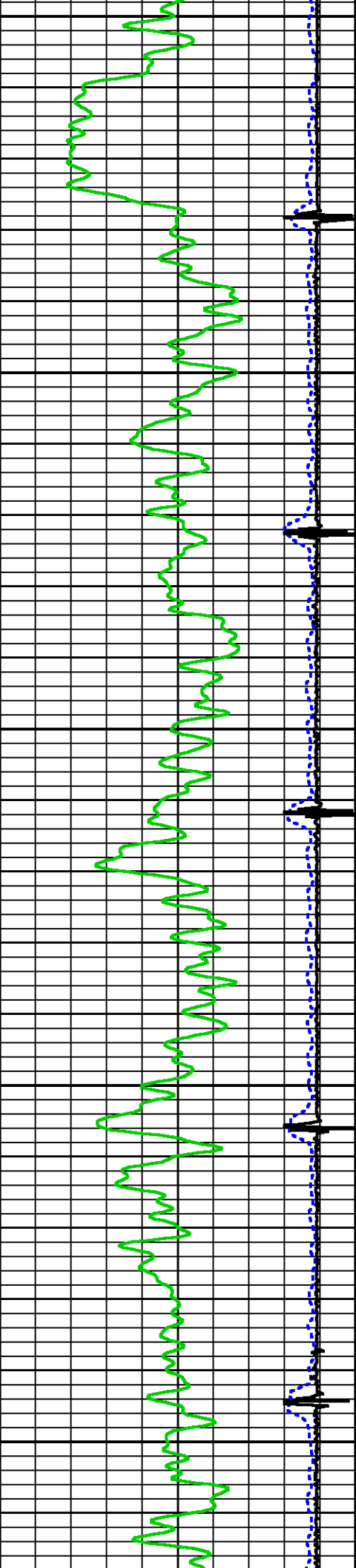


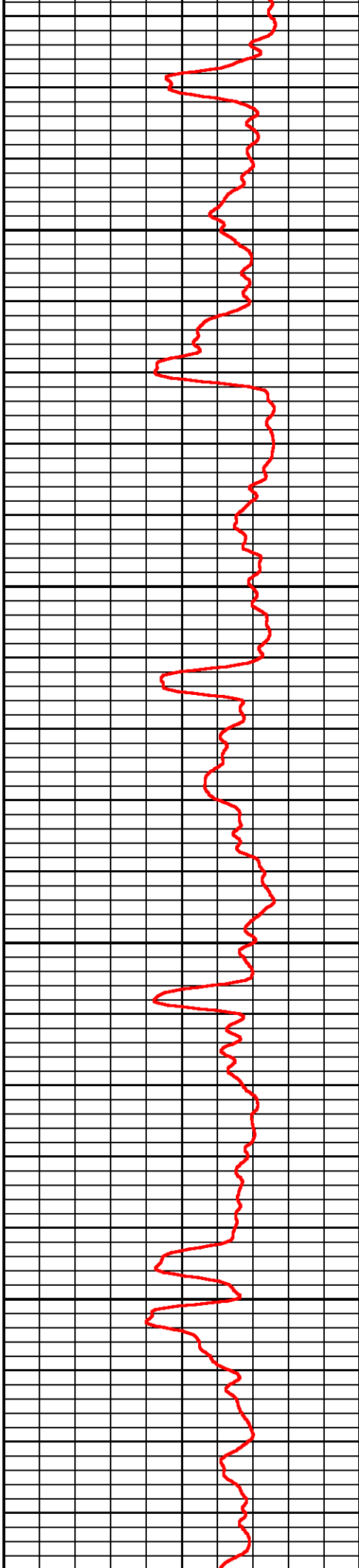
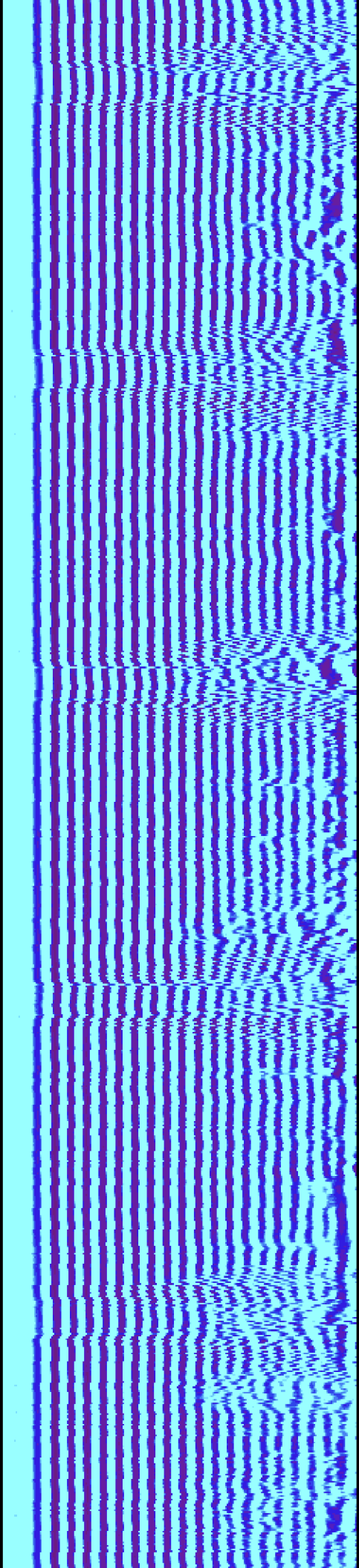


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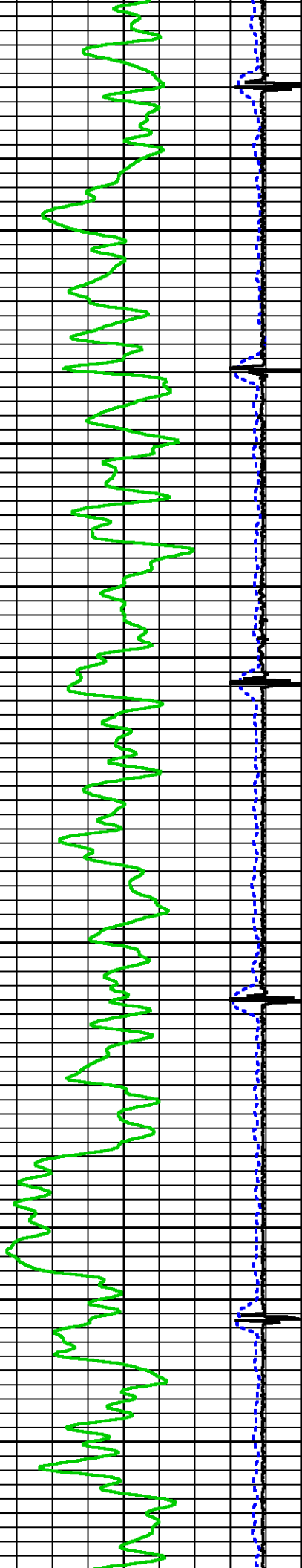
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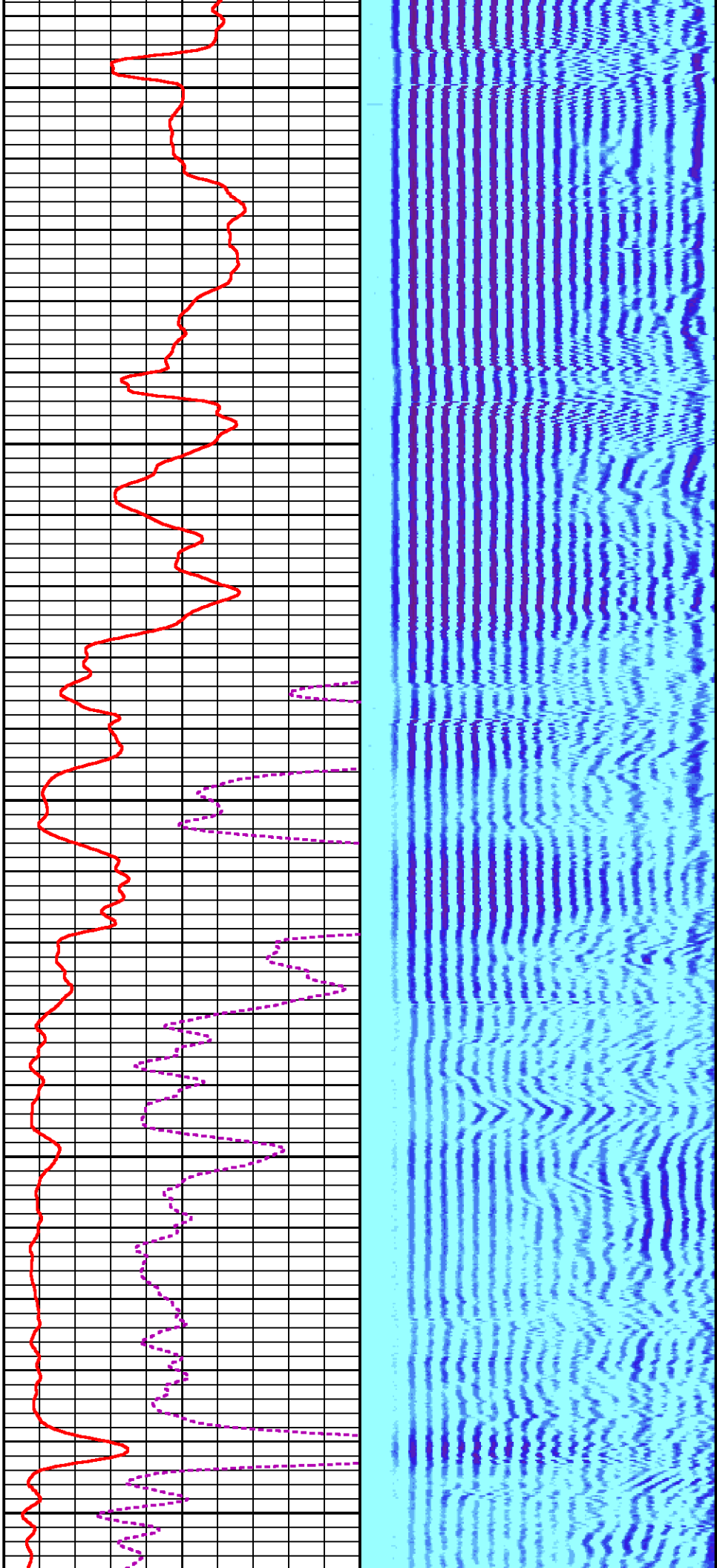




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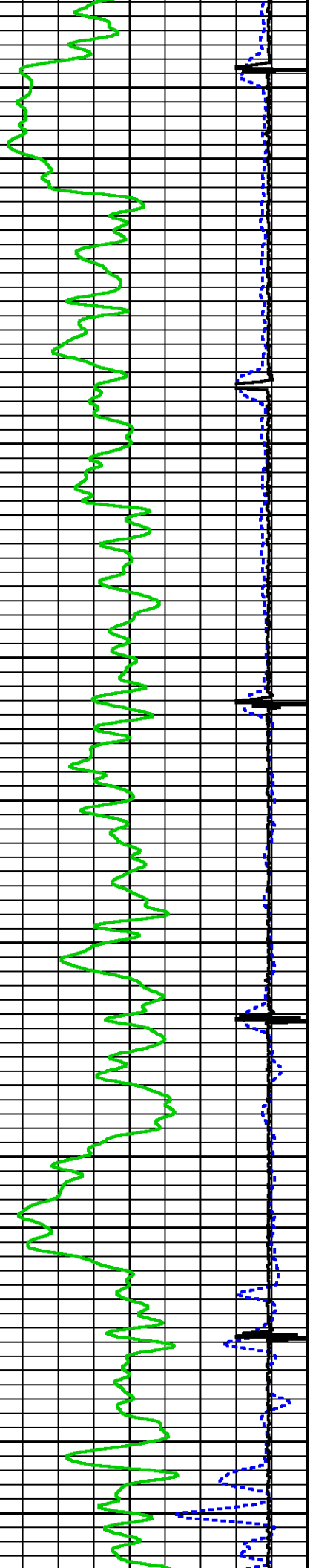
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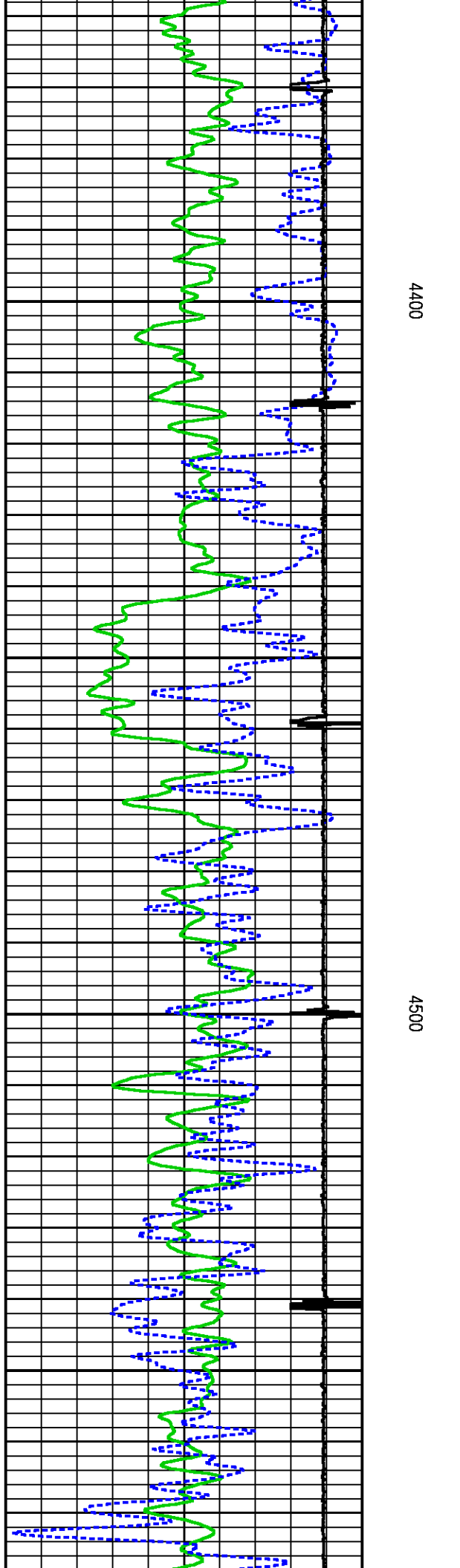
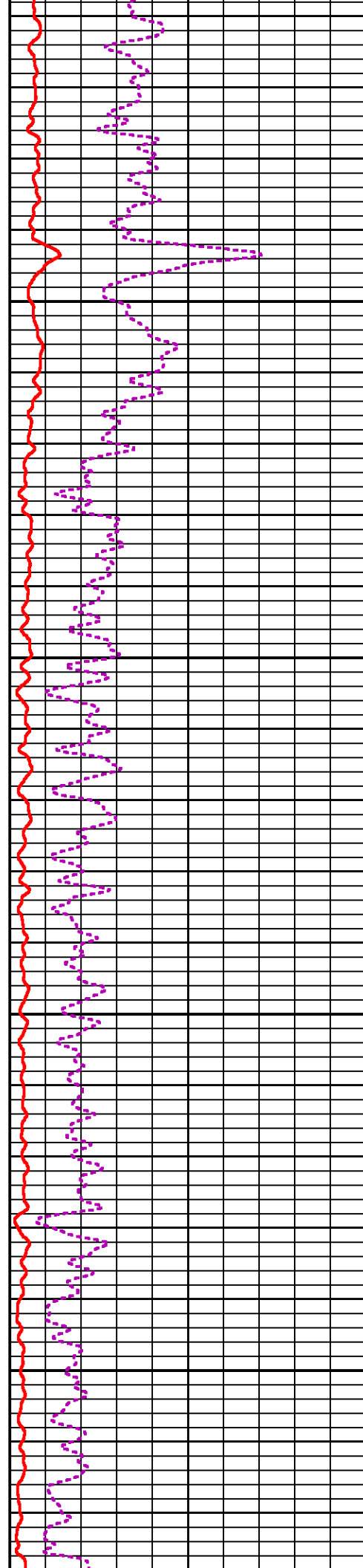
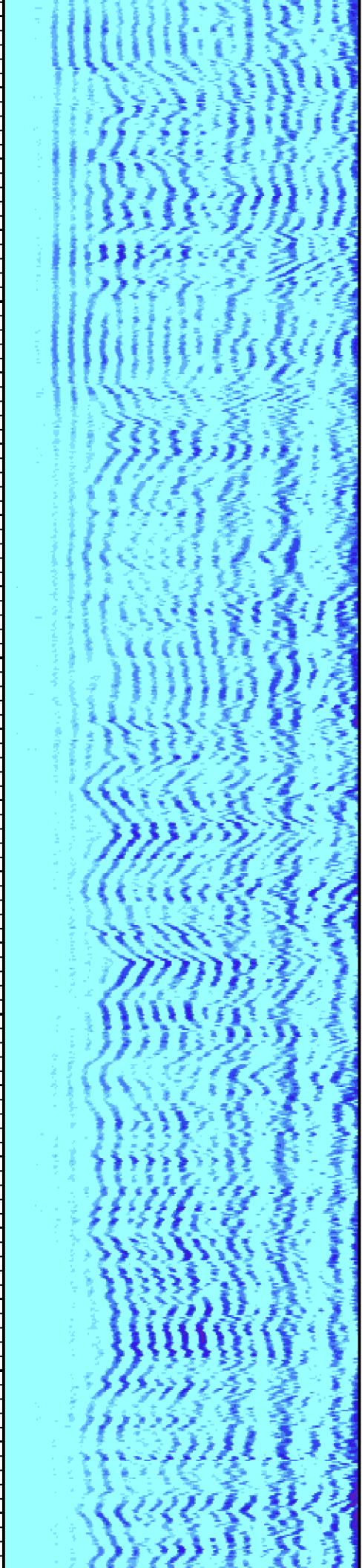


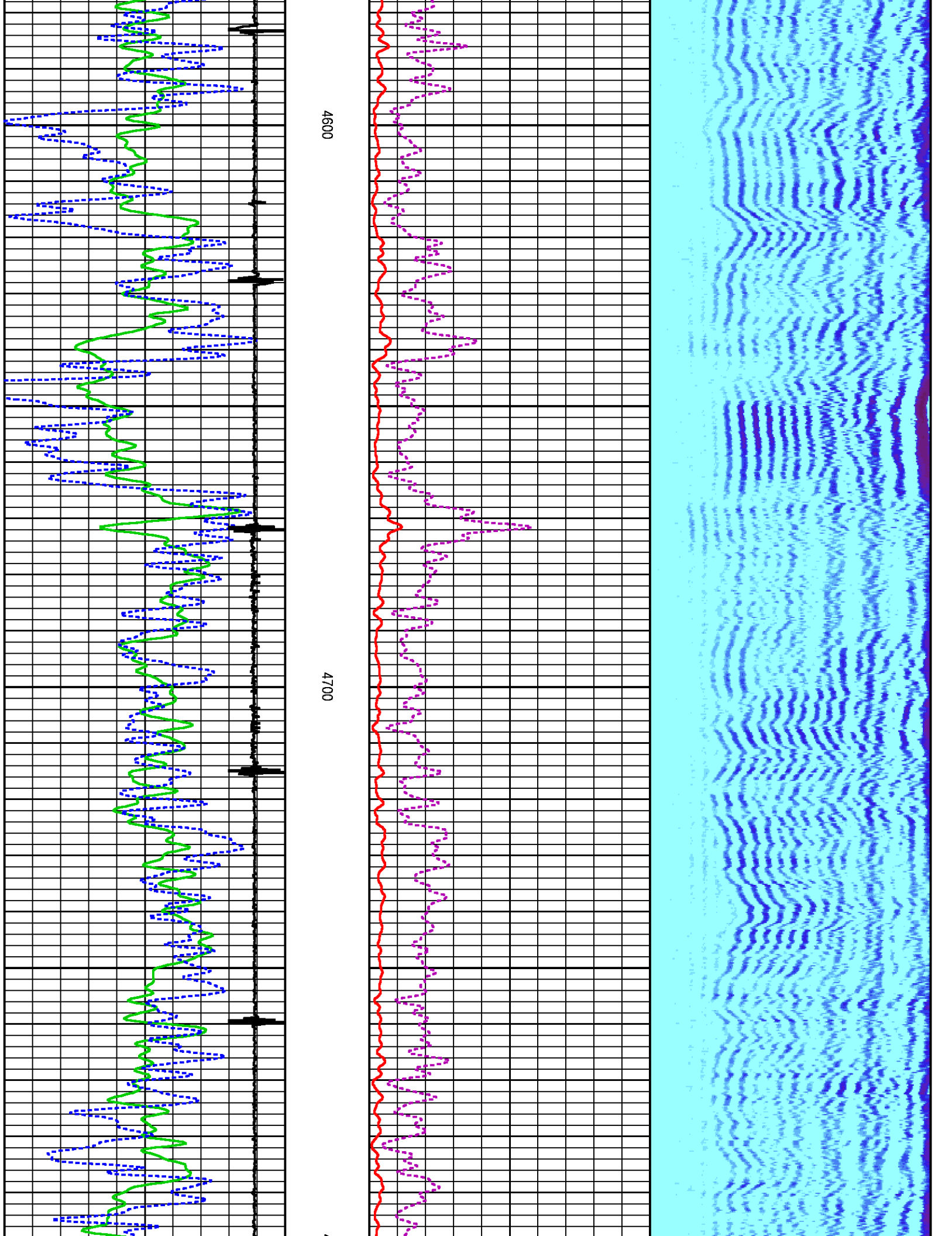


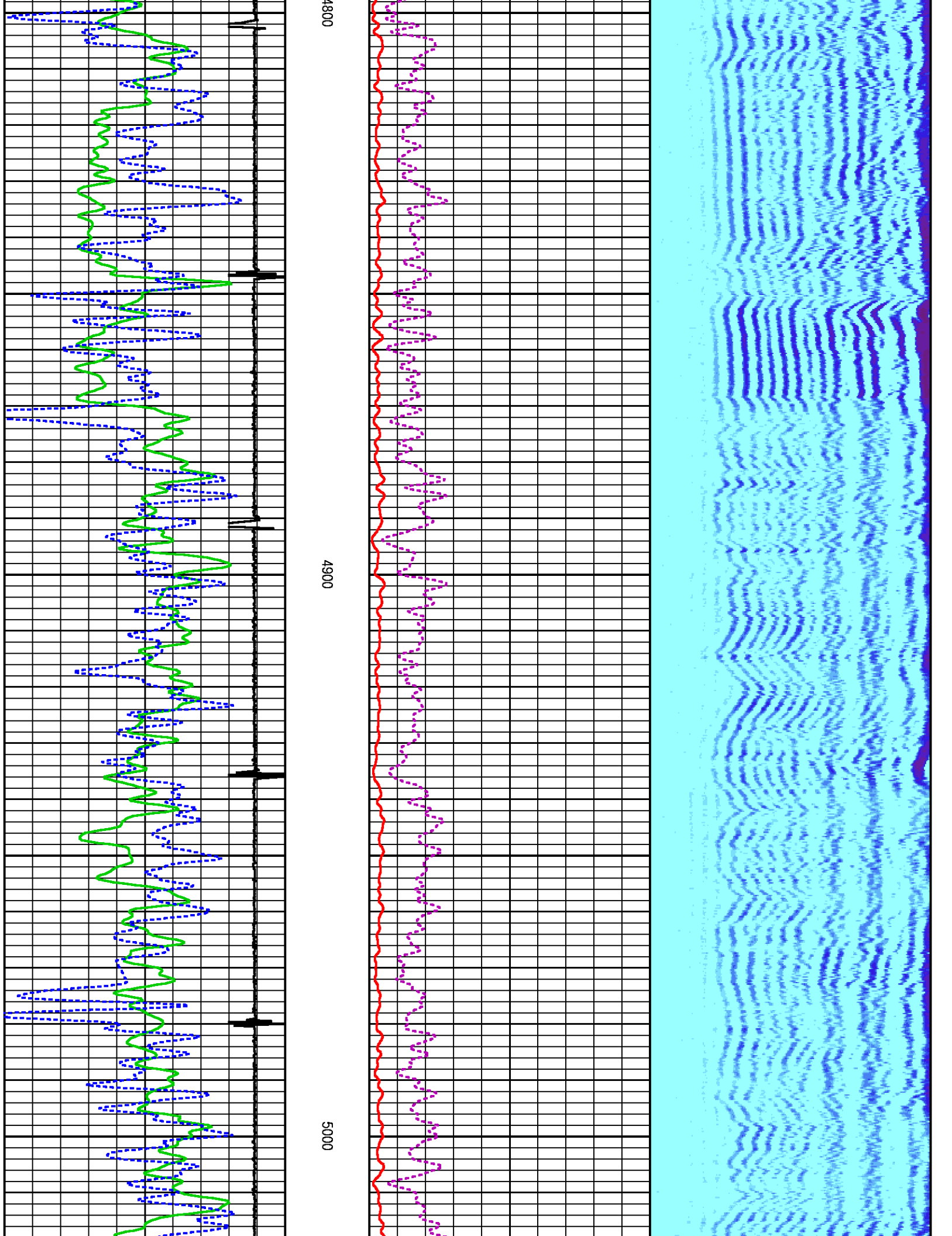
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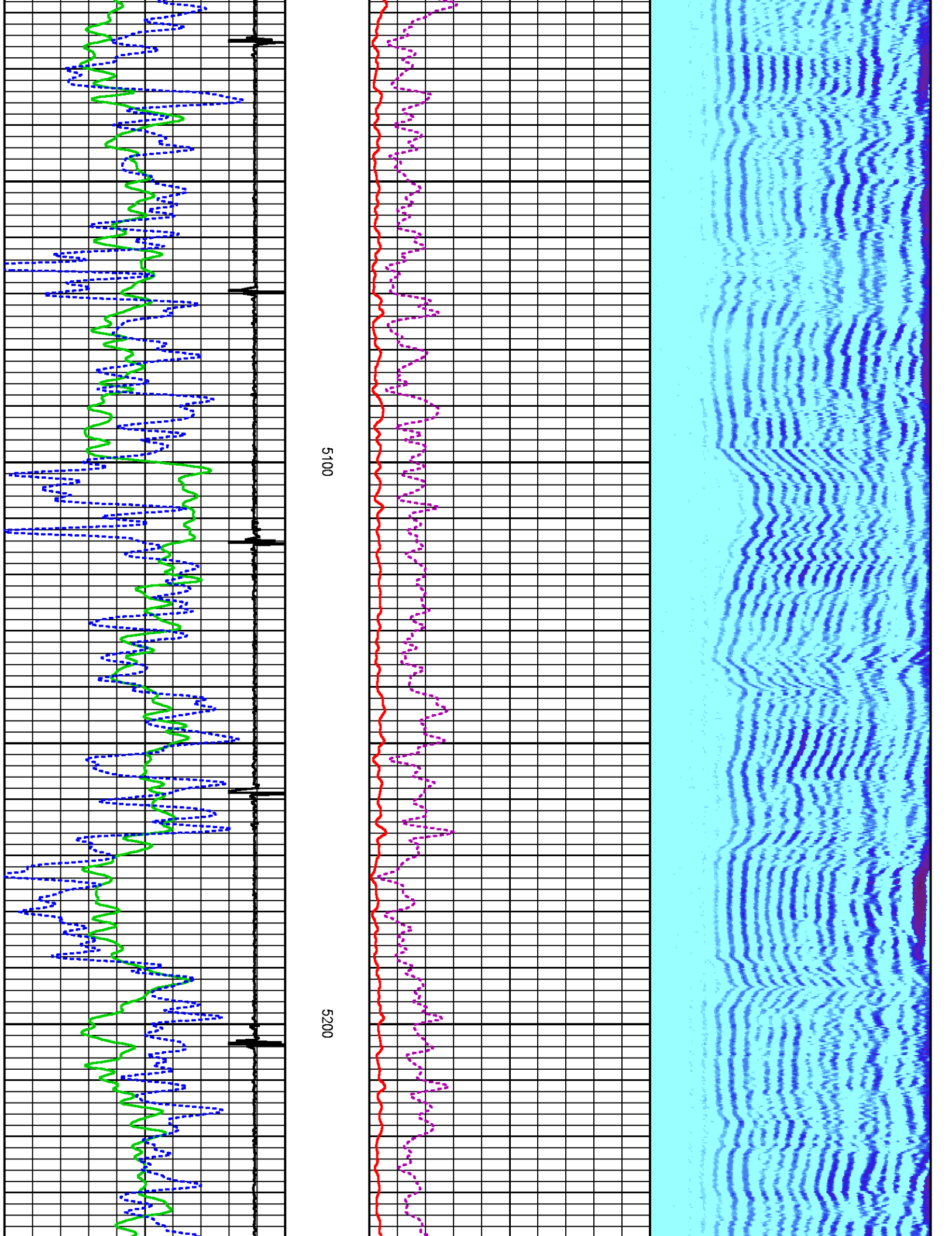
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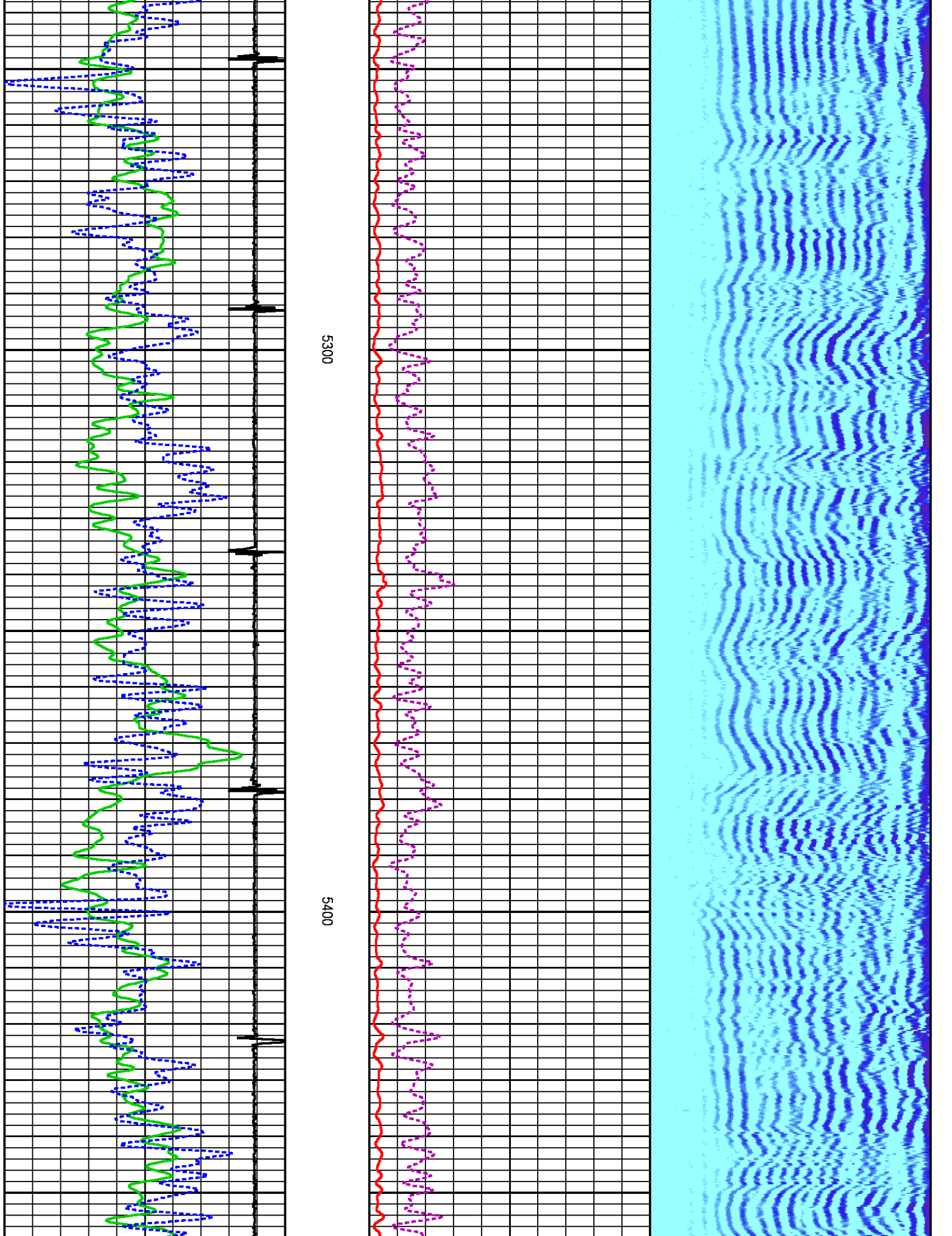


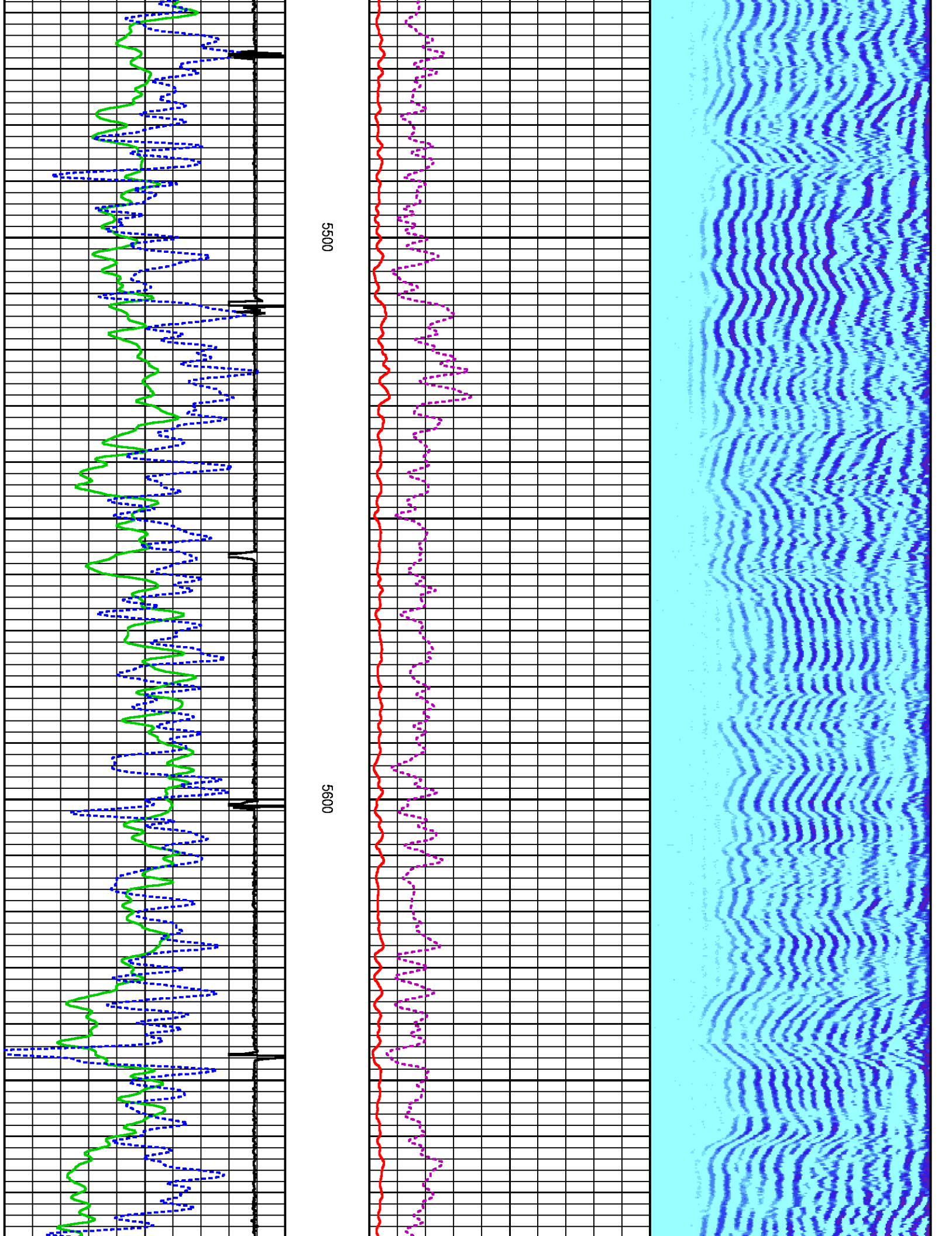


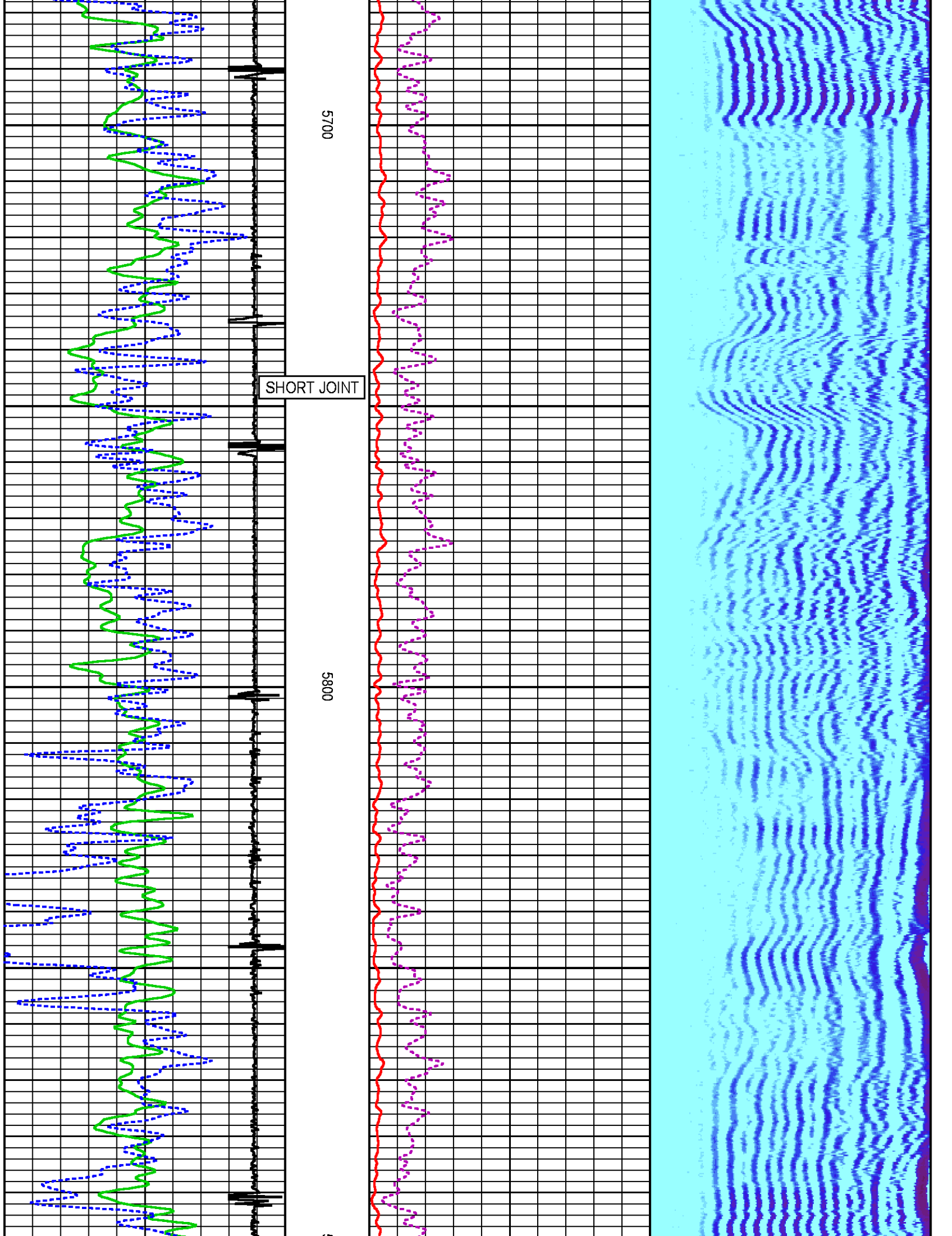


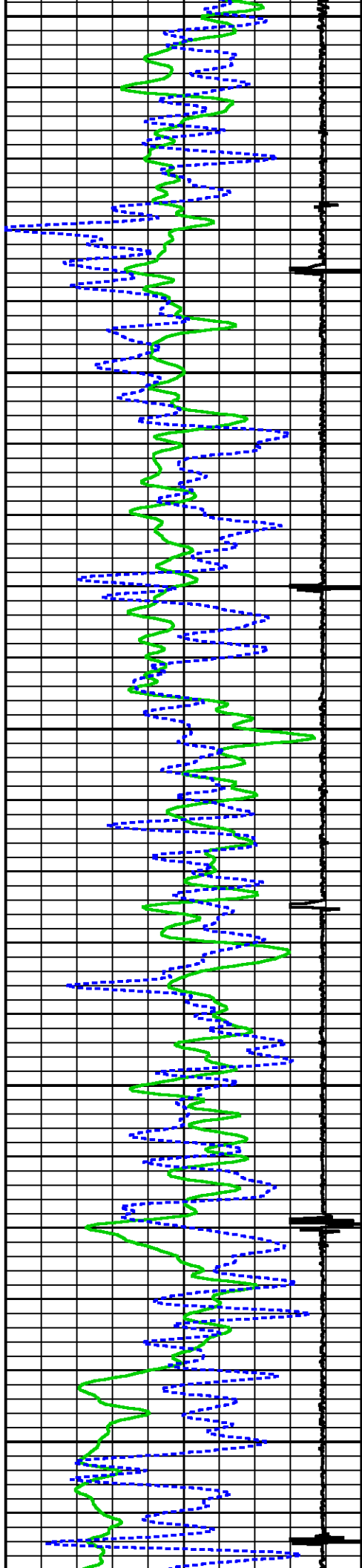








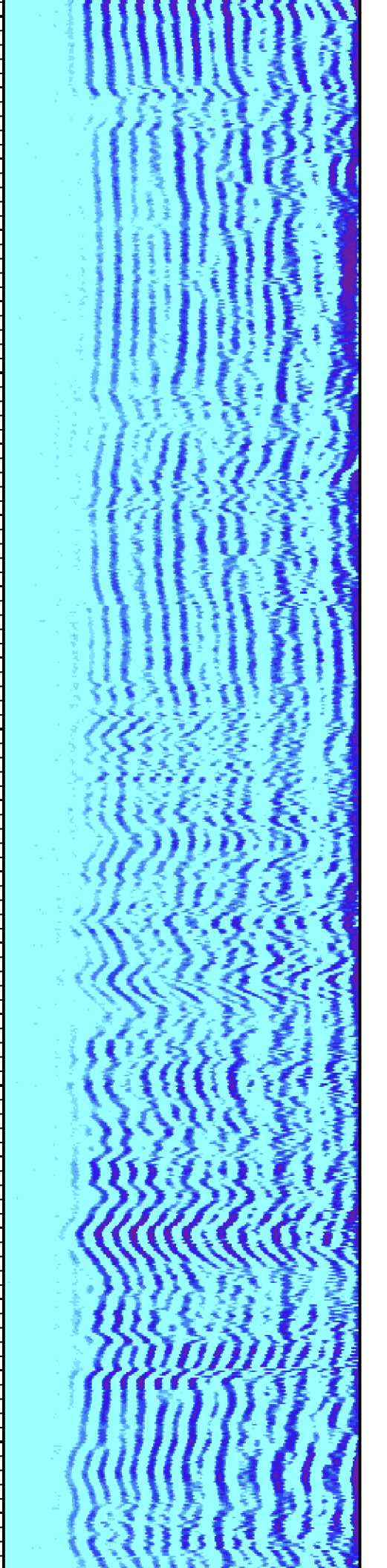
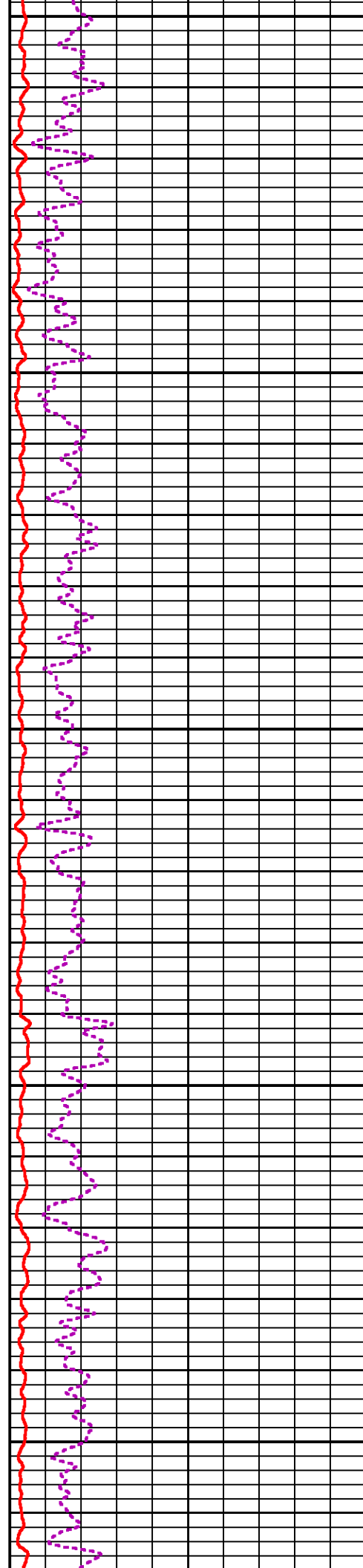


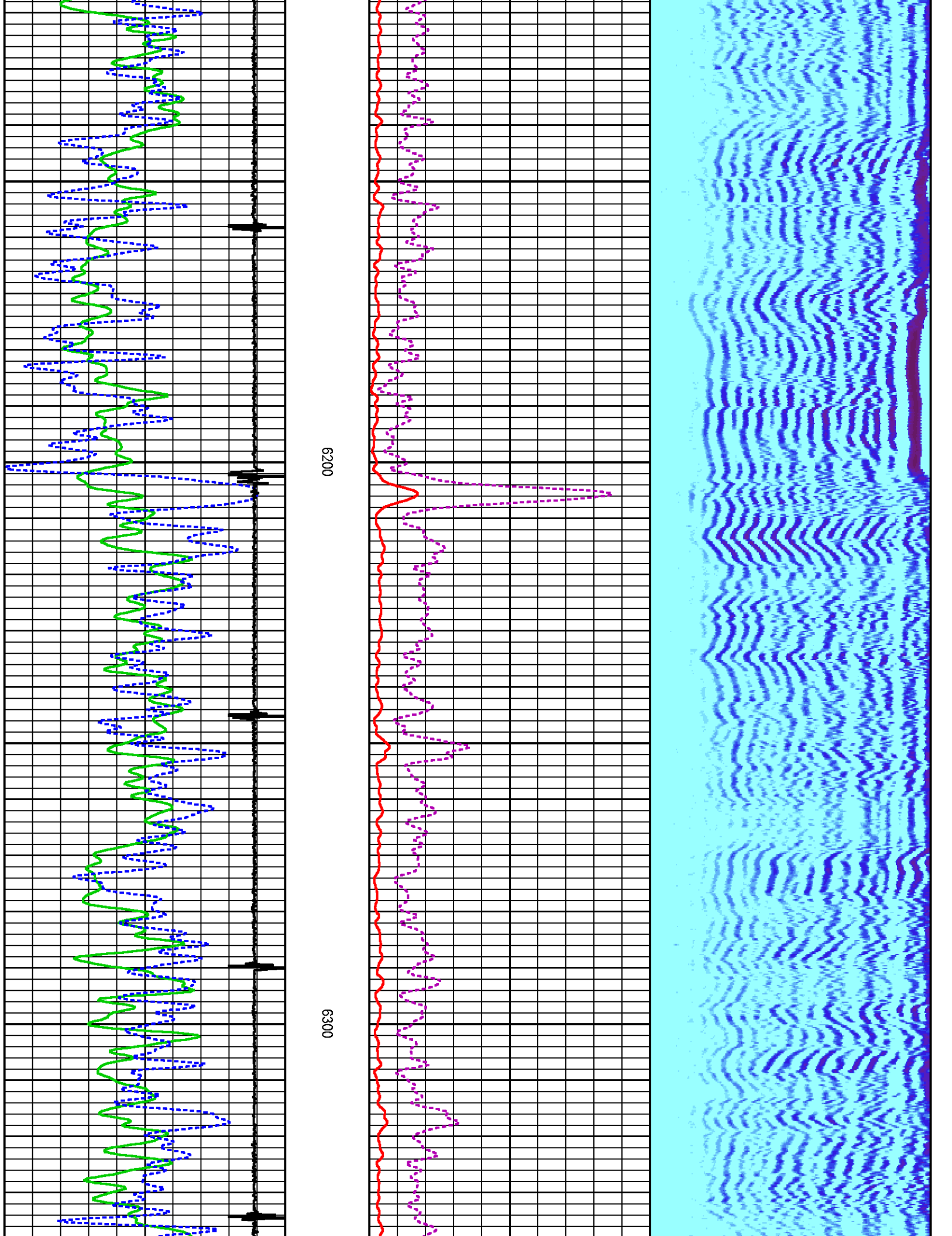


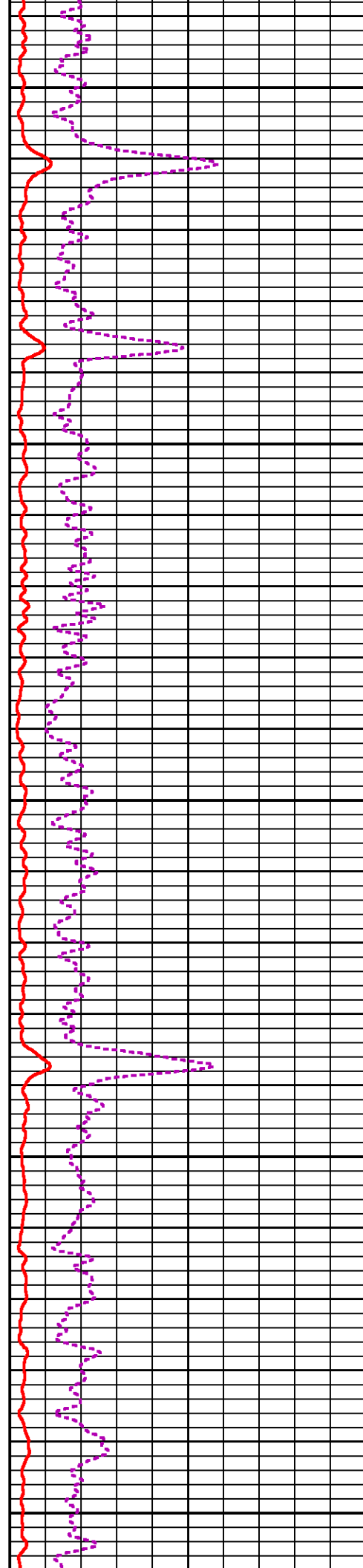
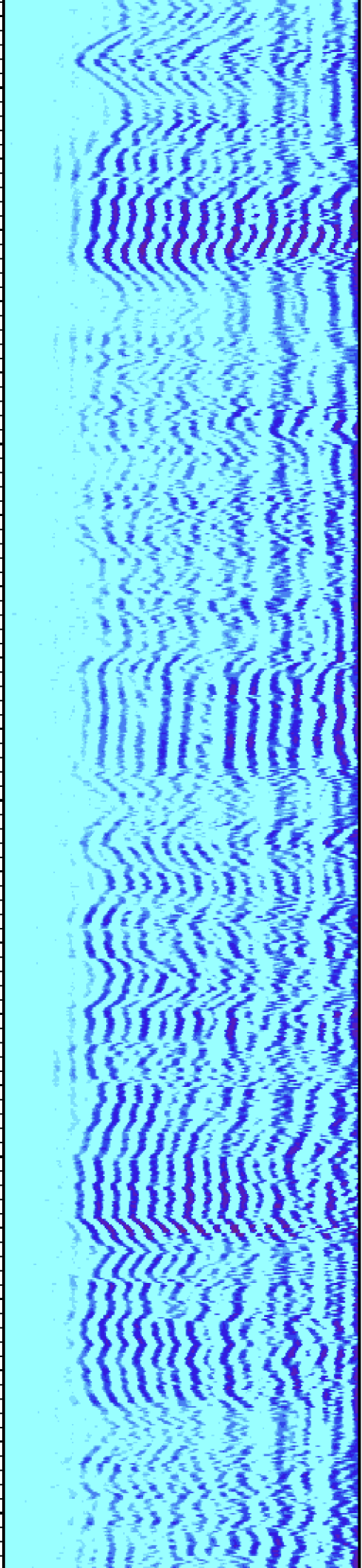
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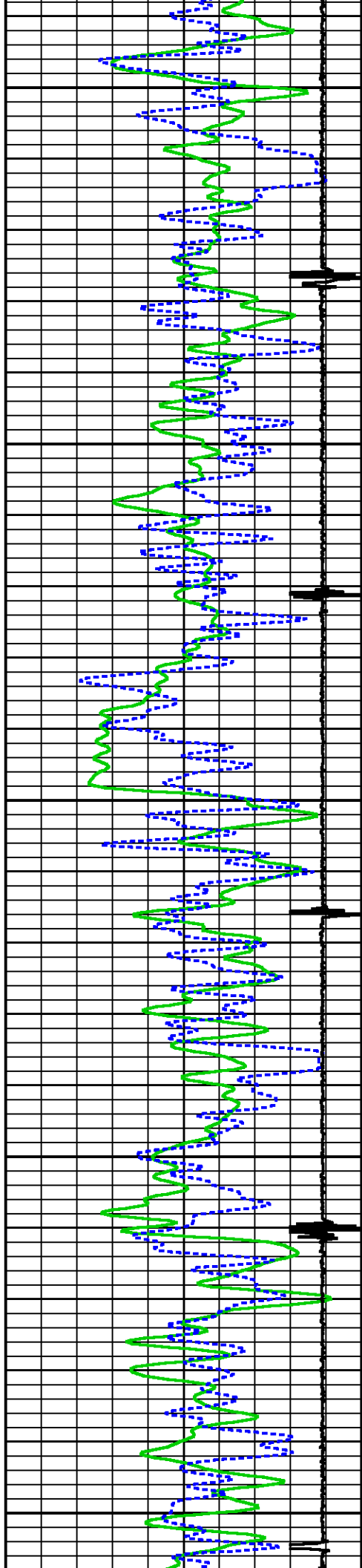


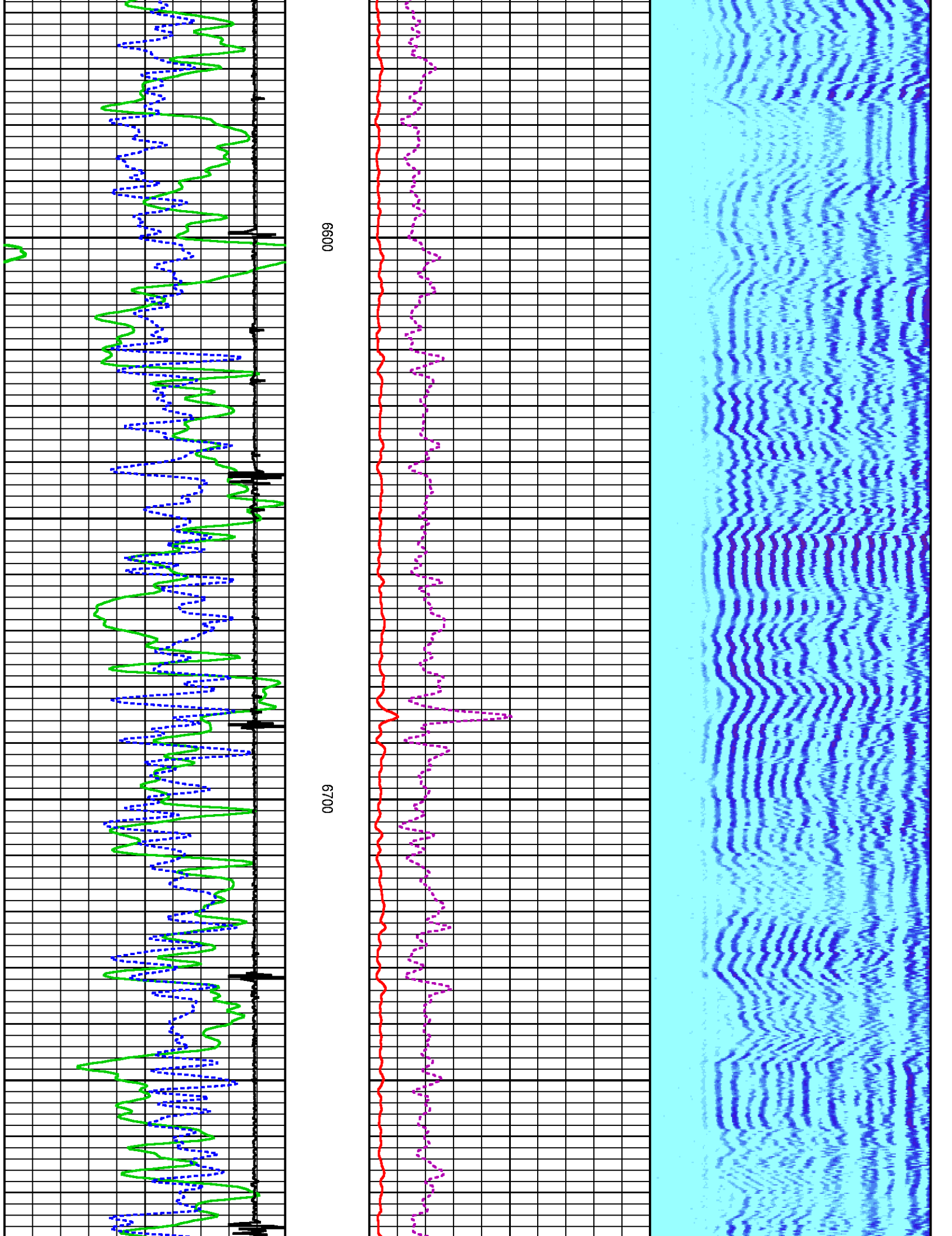


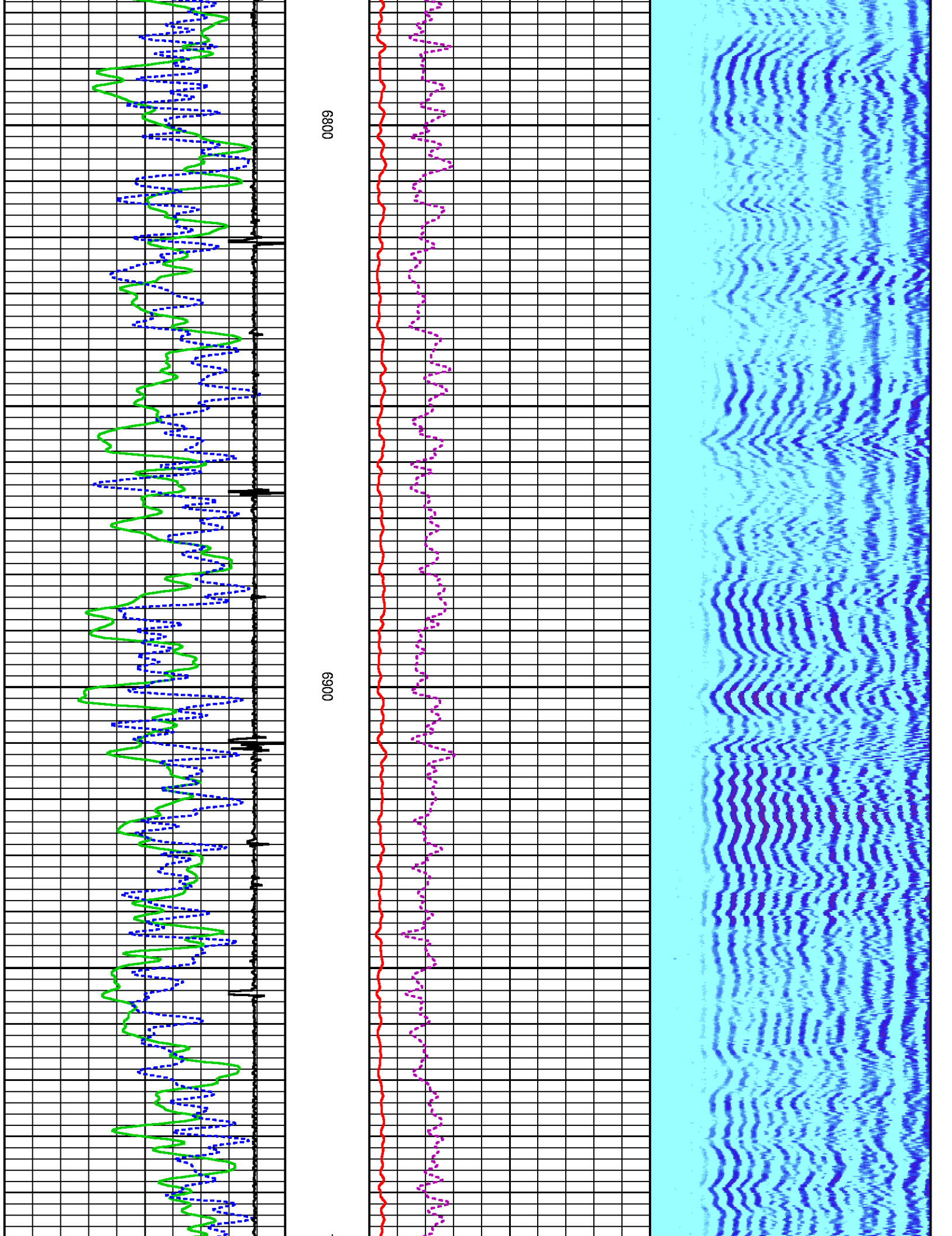


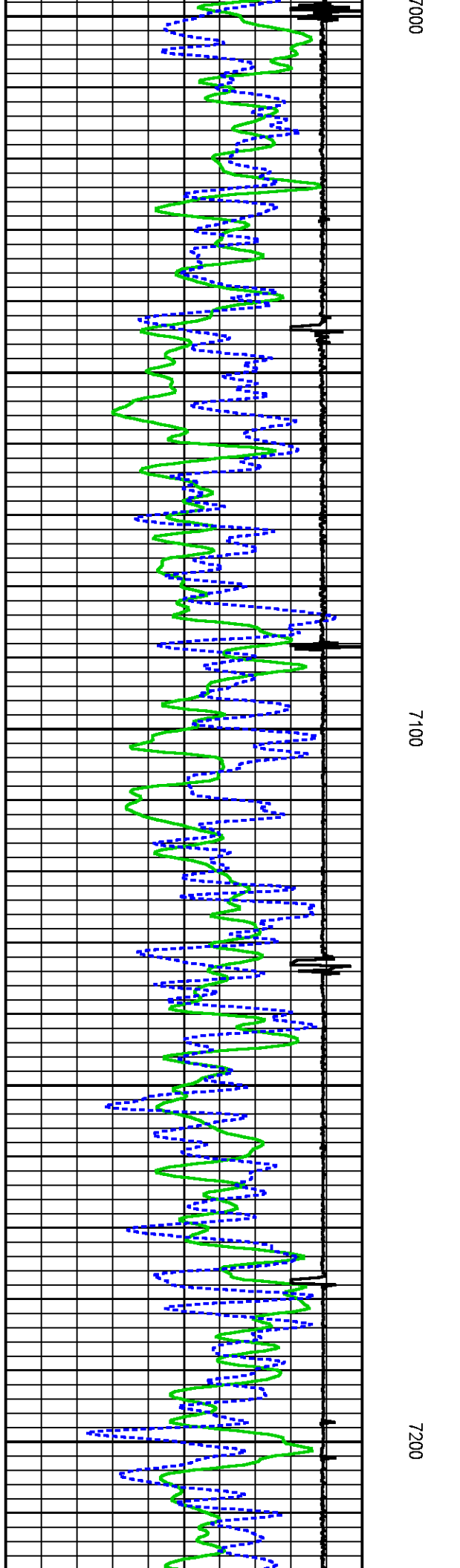
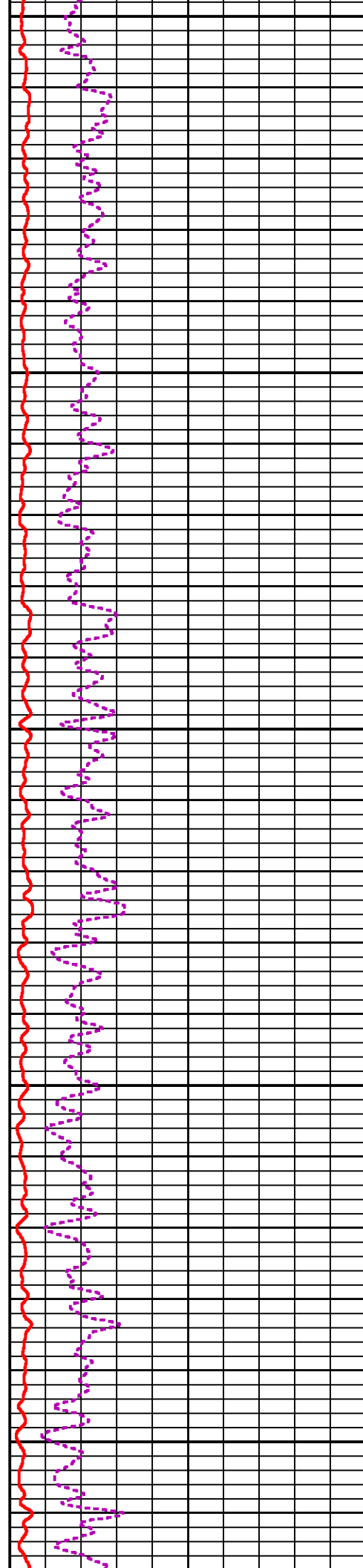
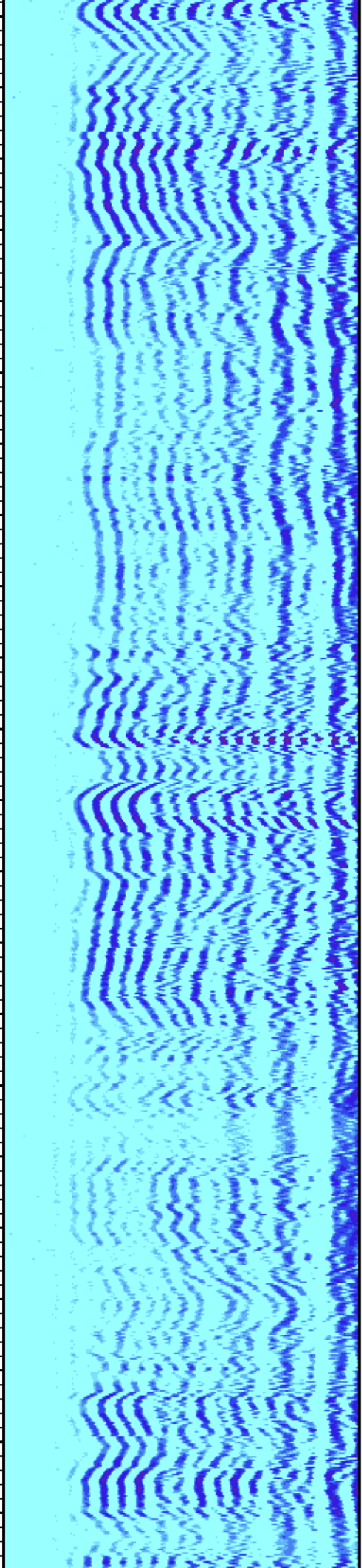
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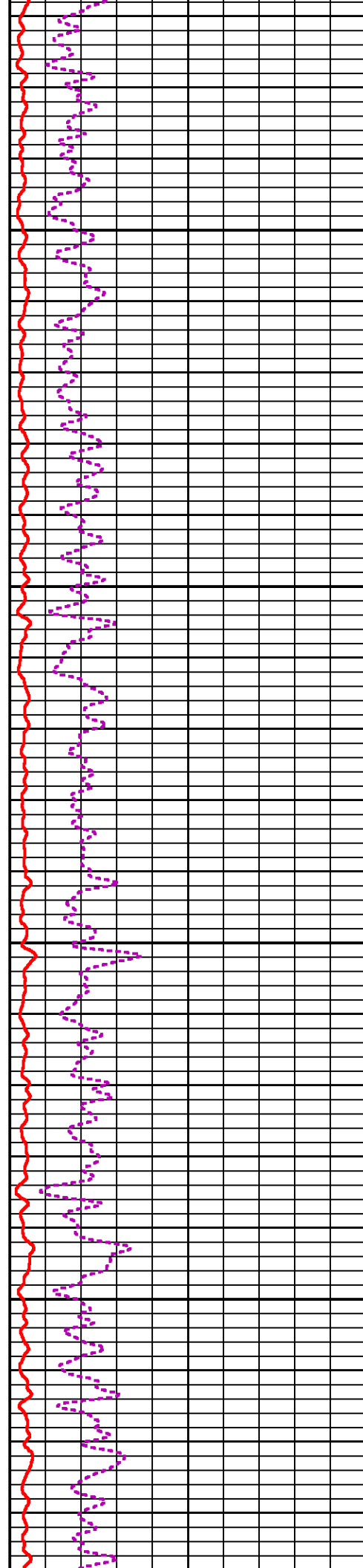
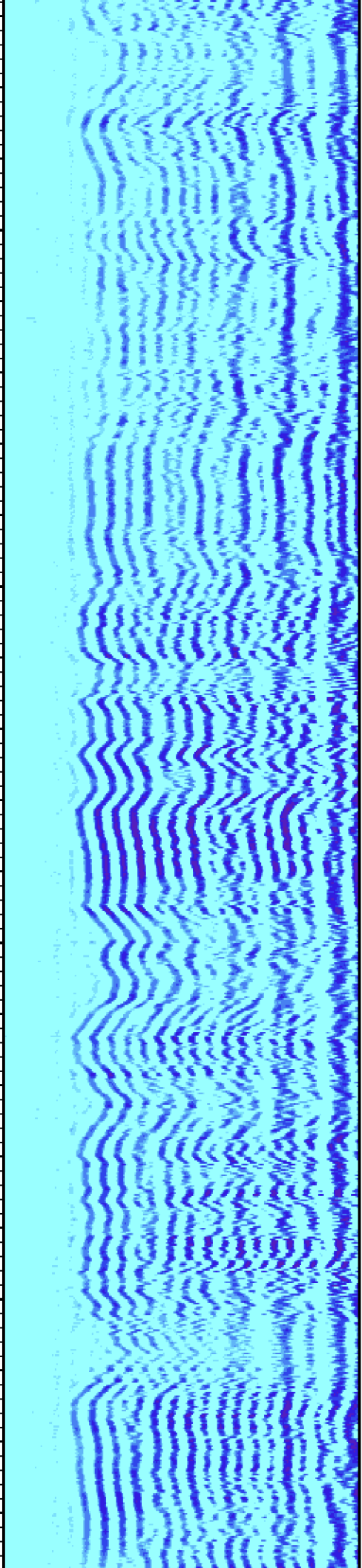
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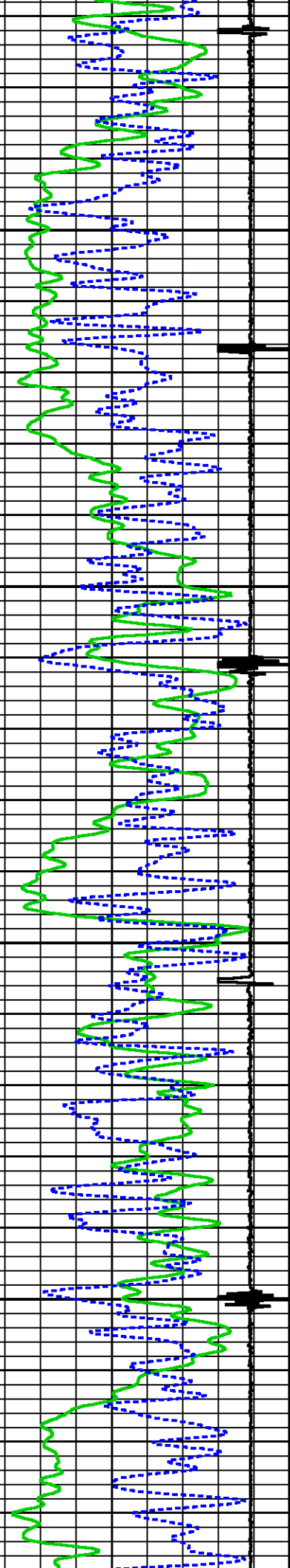


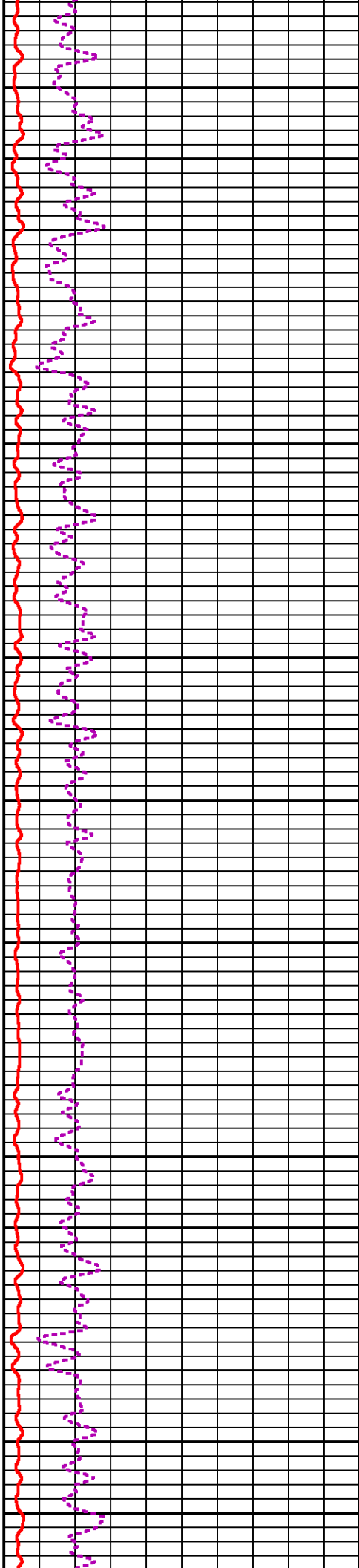
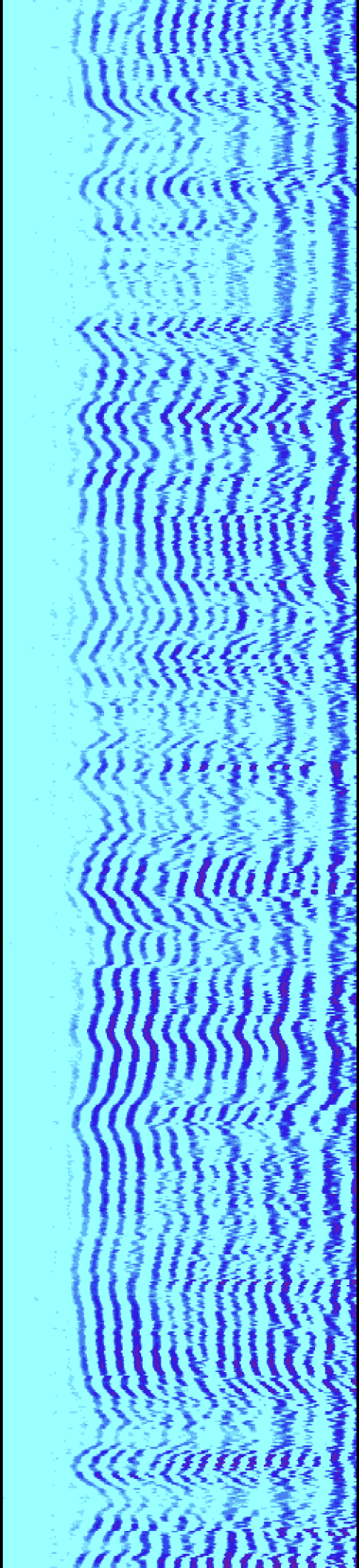




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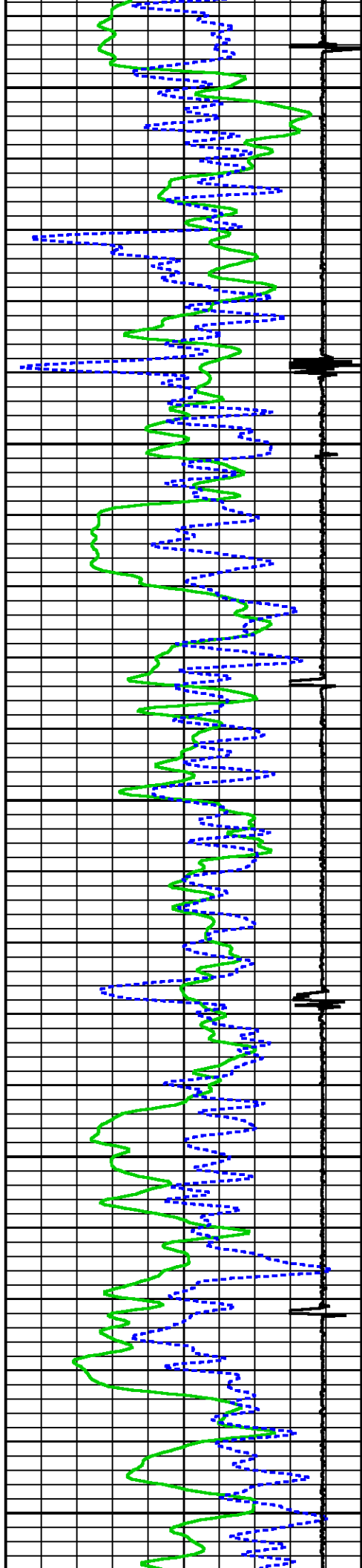
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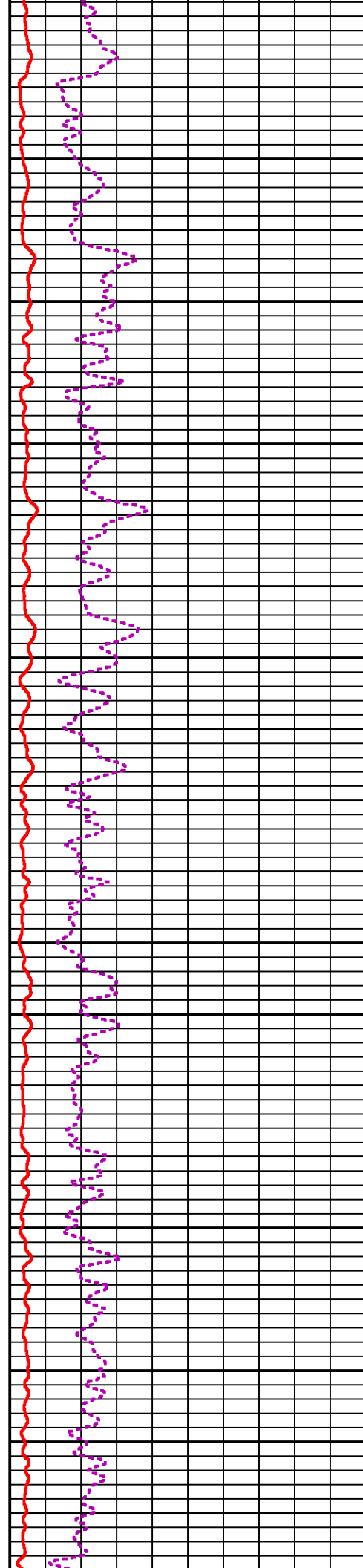
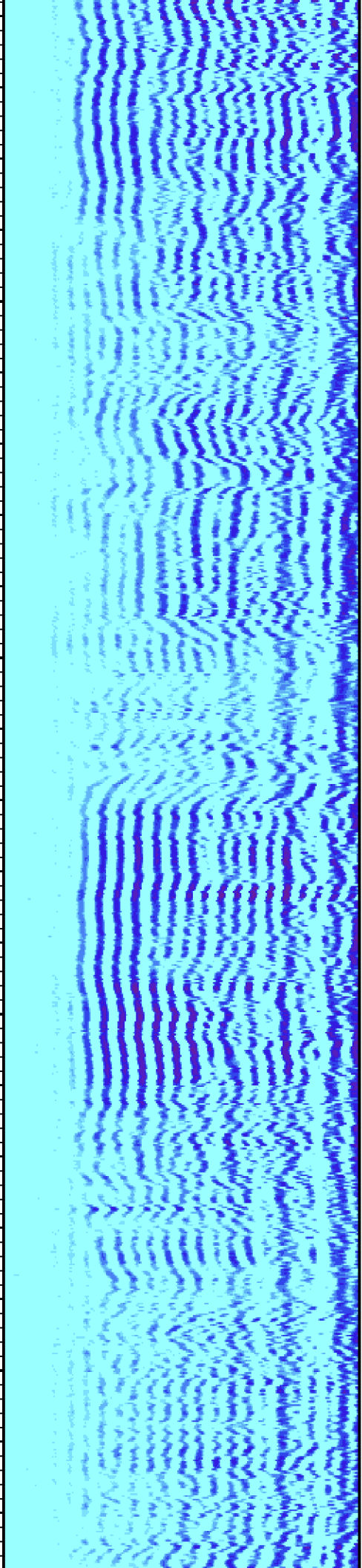




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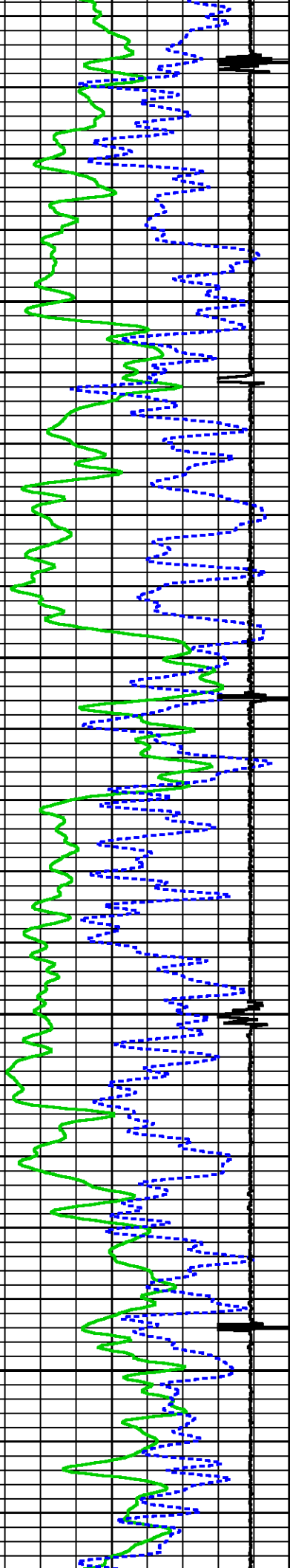
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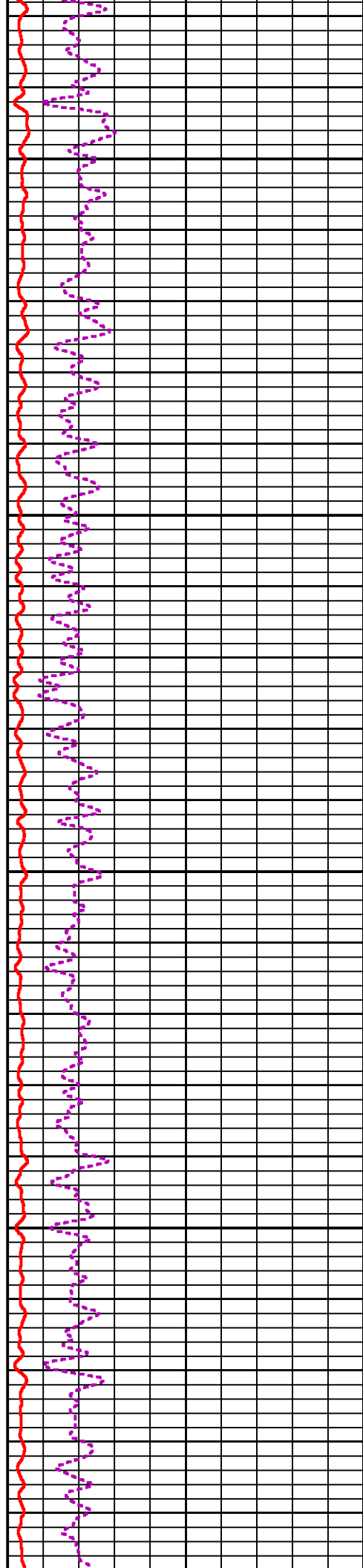
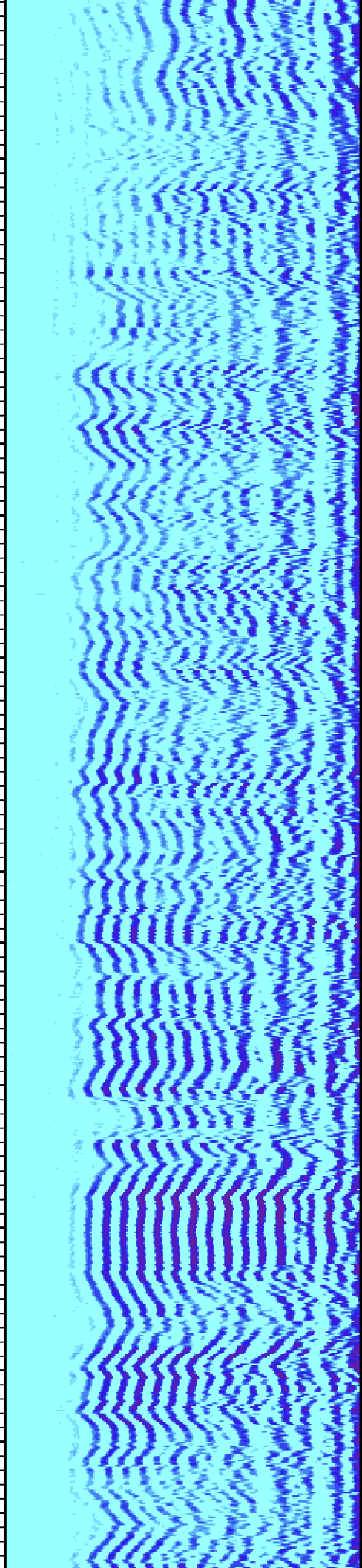




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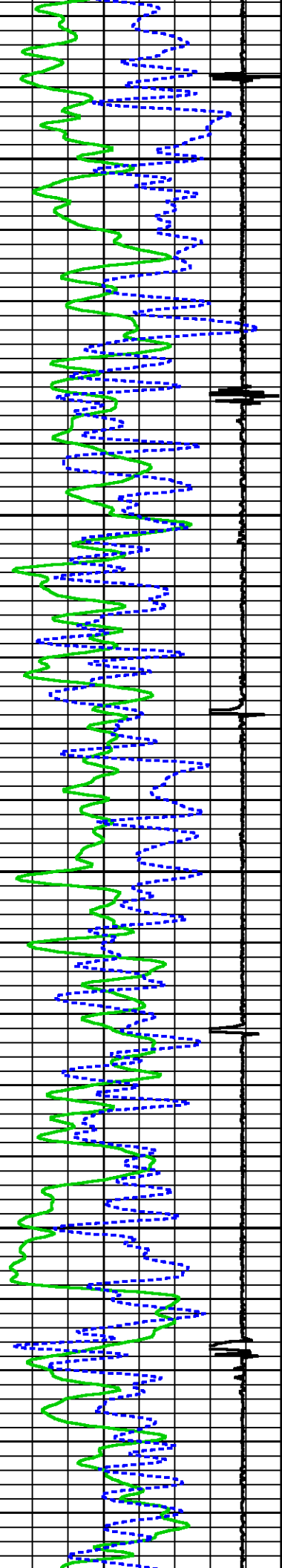
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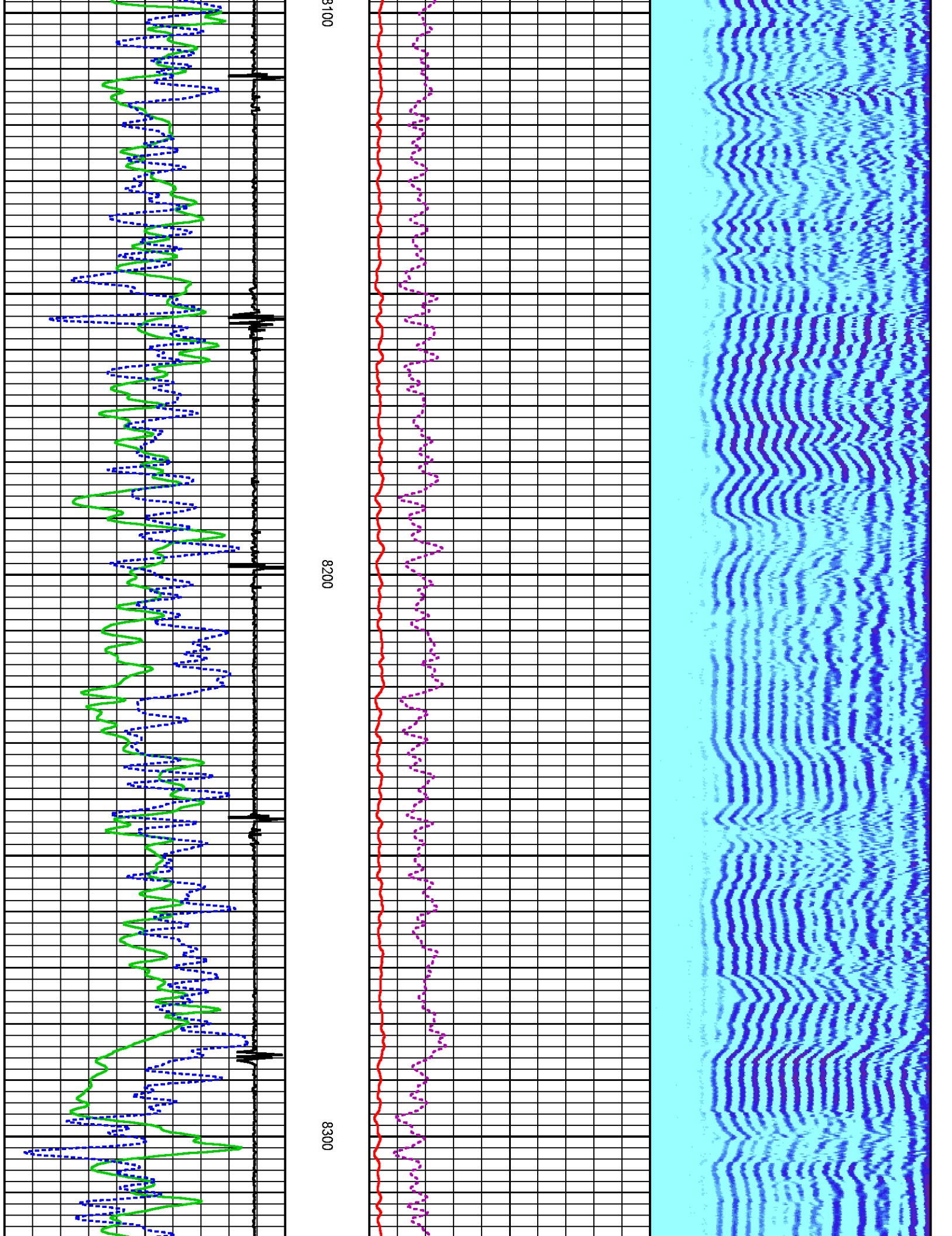


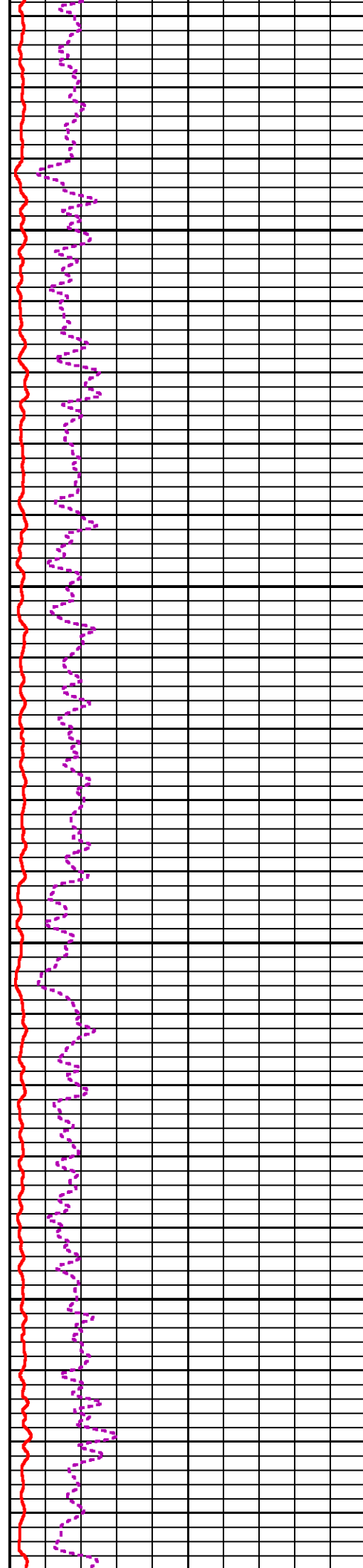
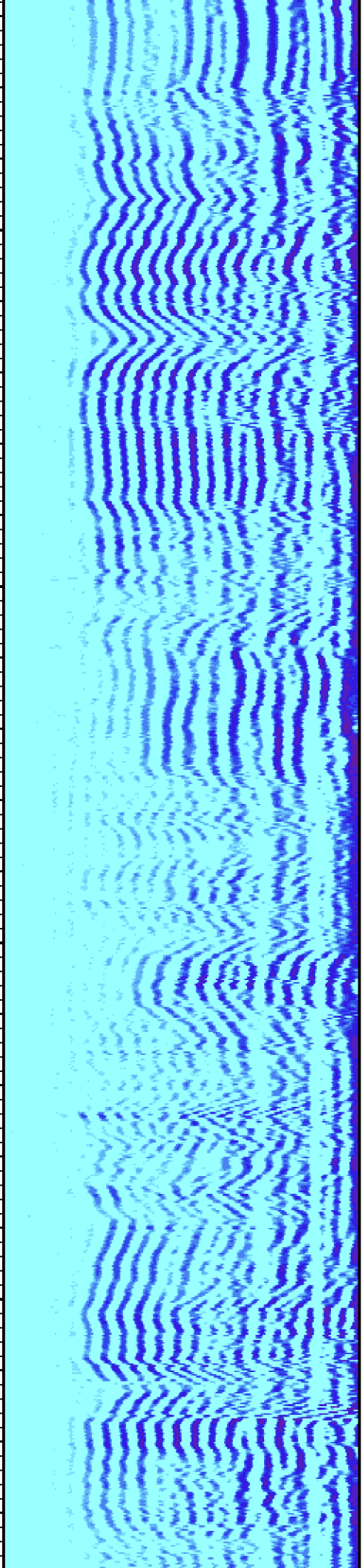


7900

8000

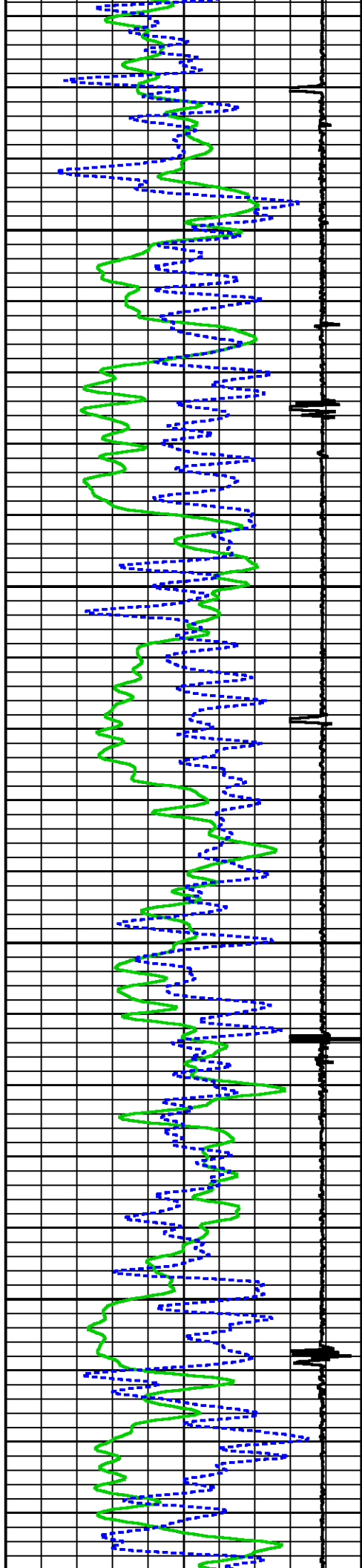


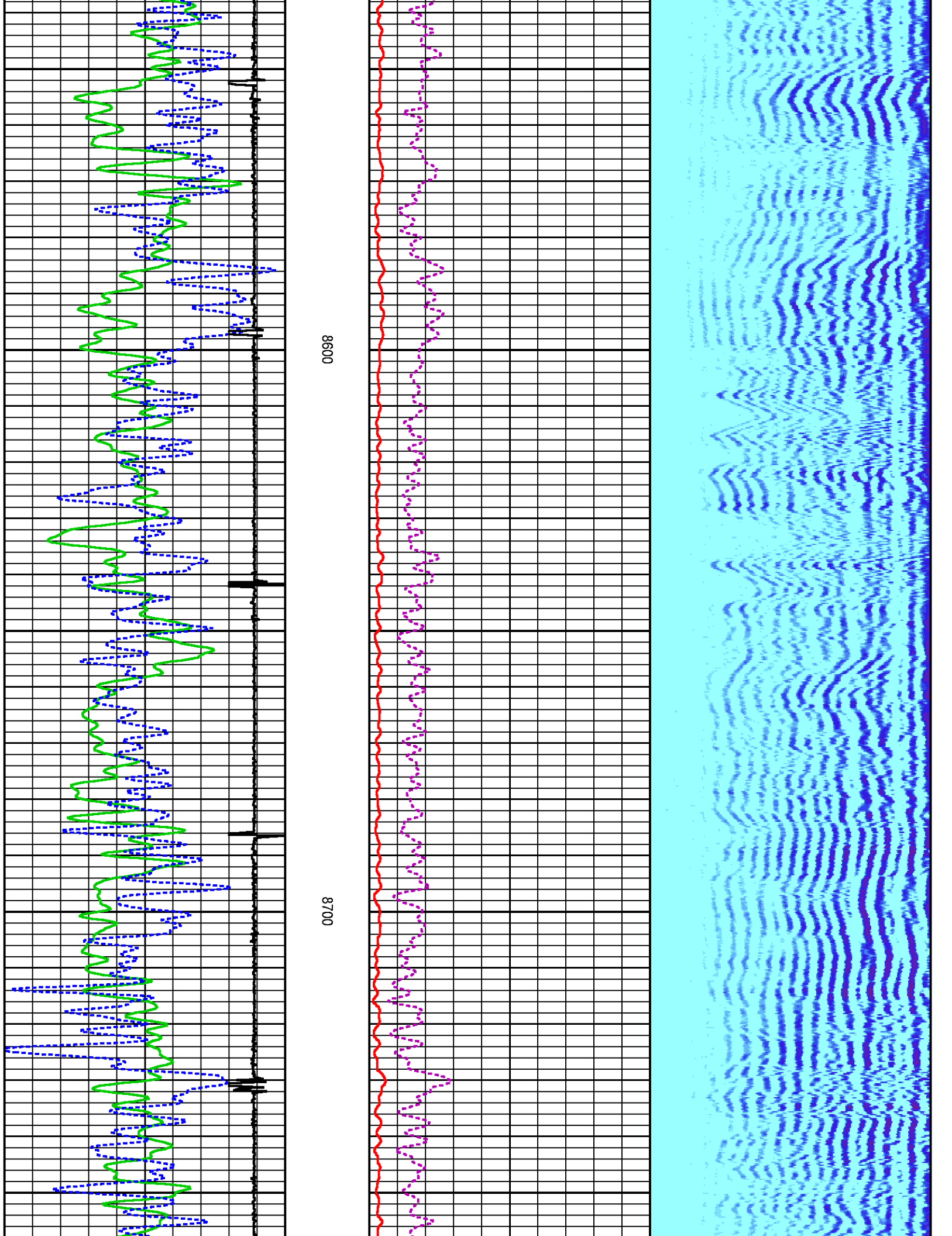


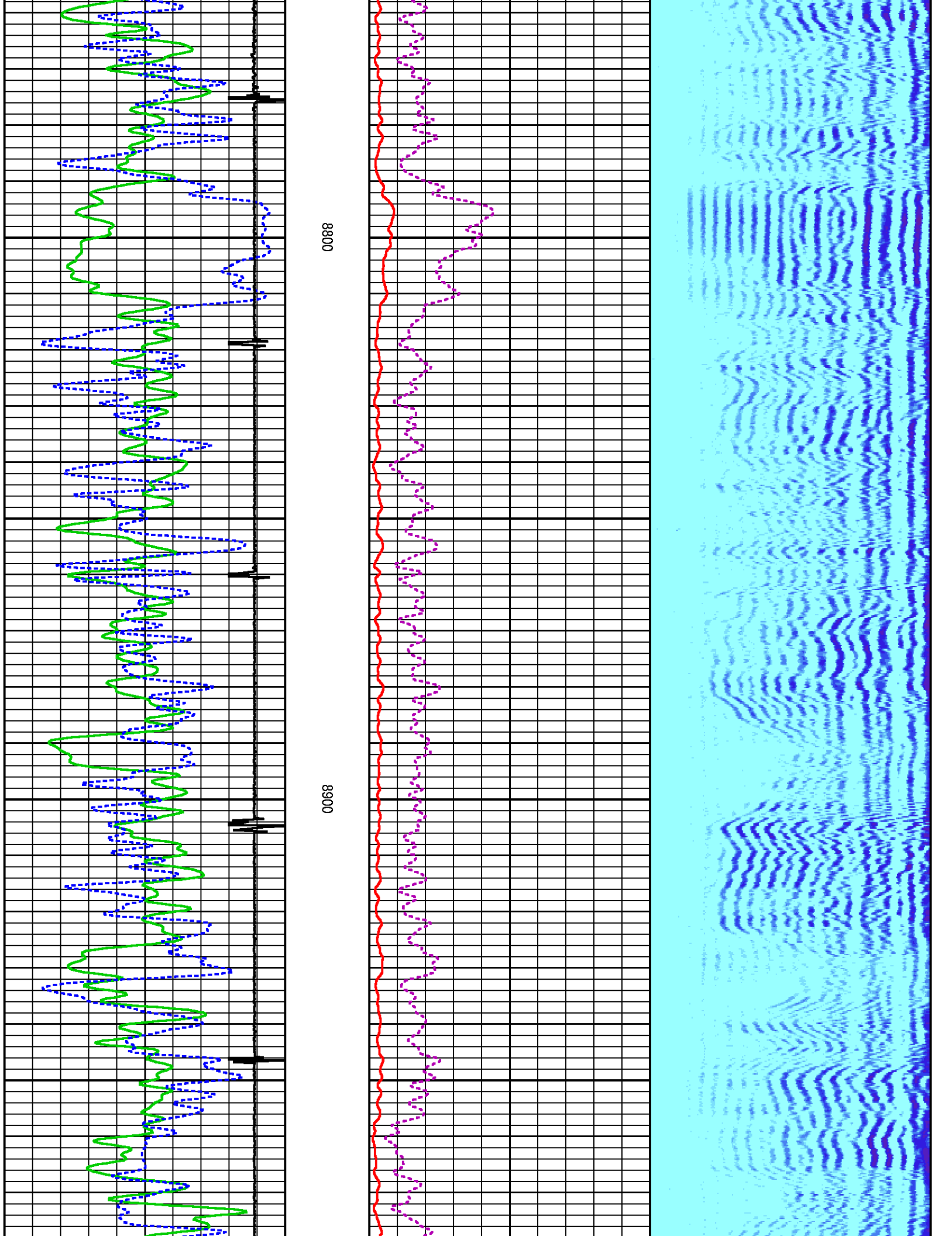


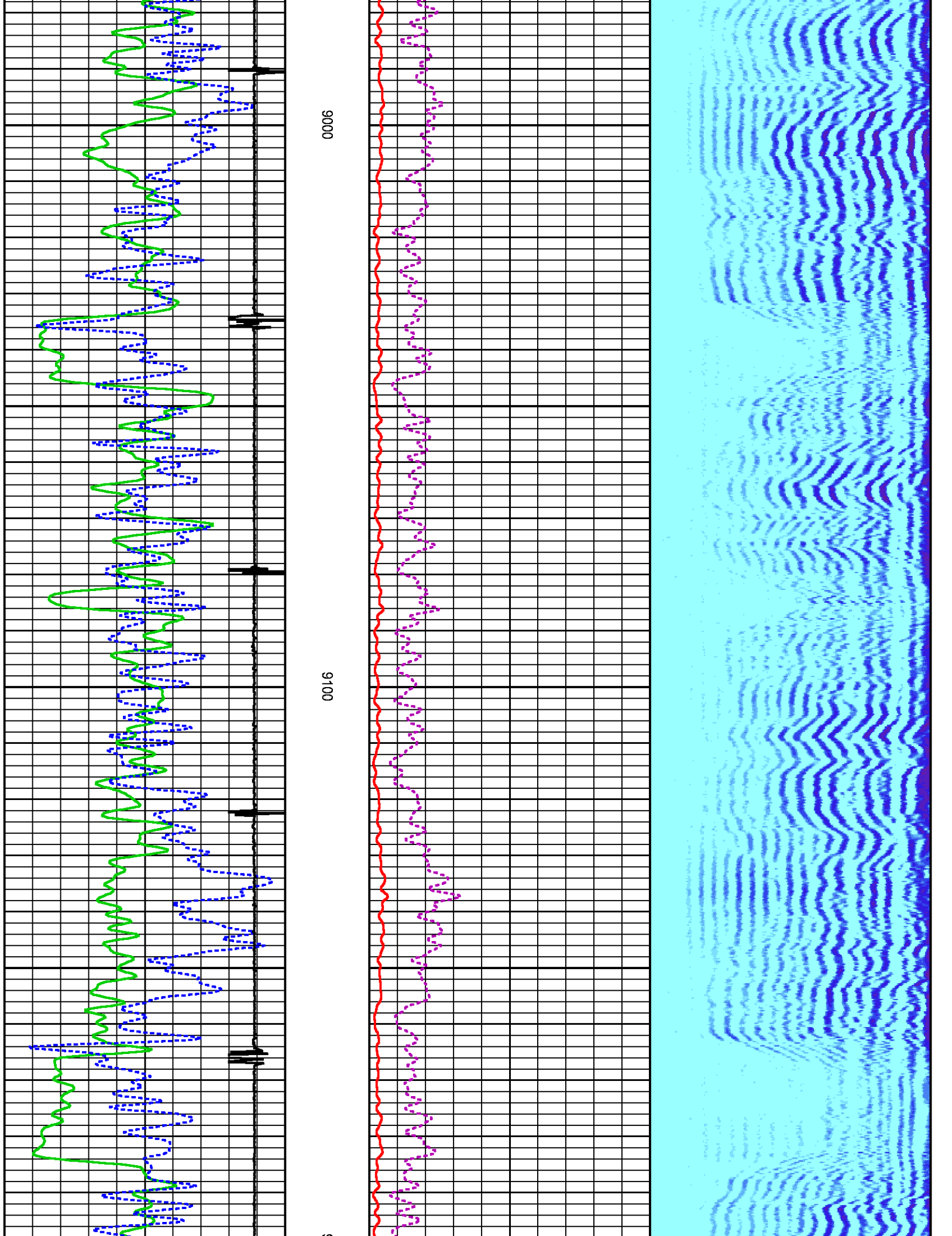
8400

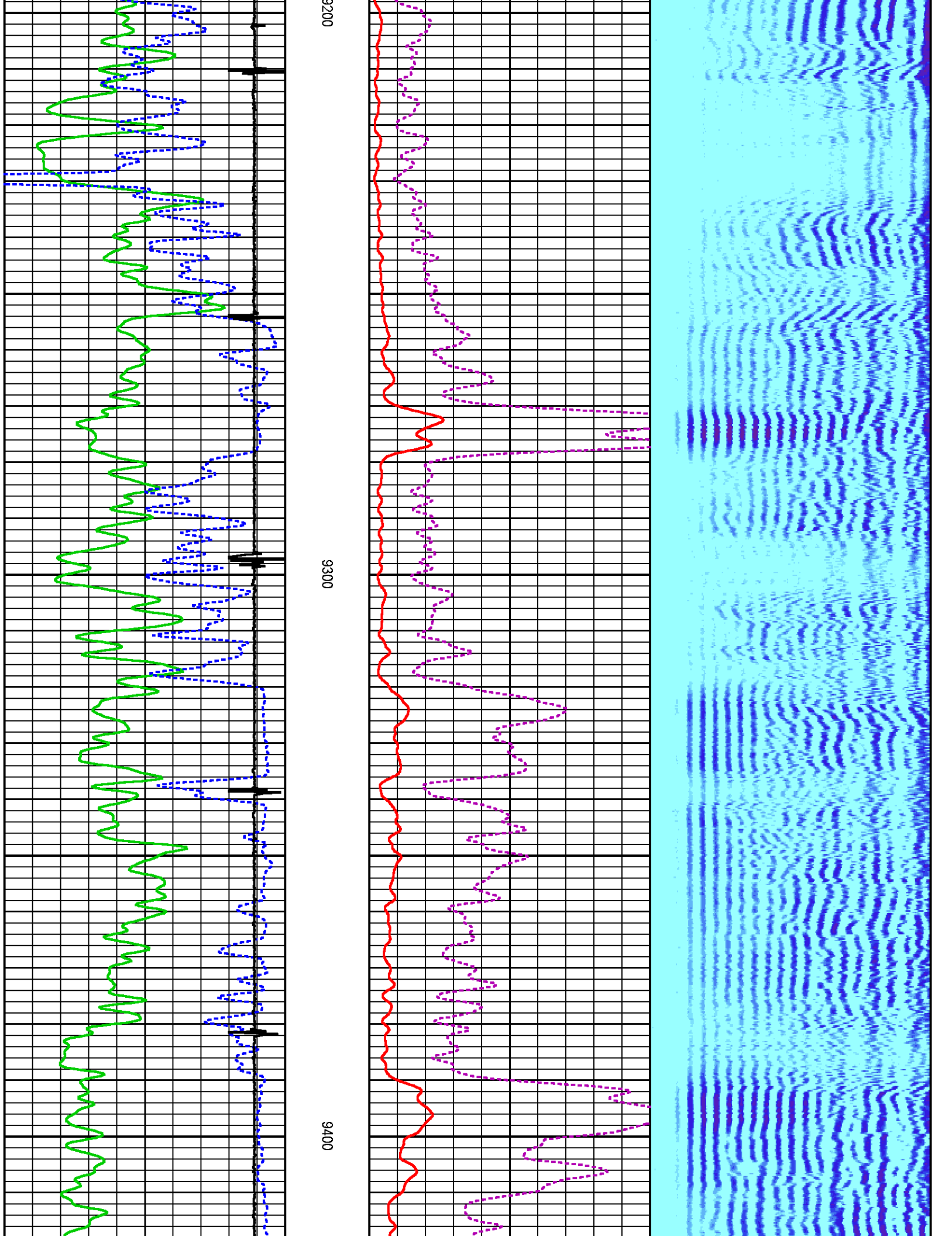
8500

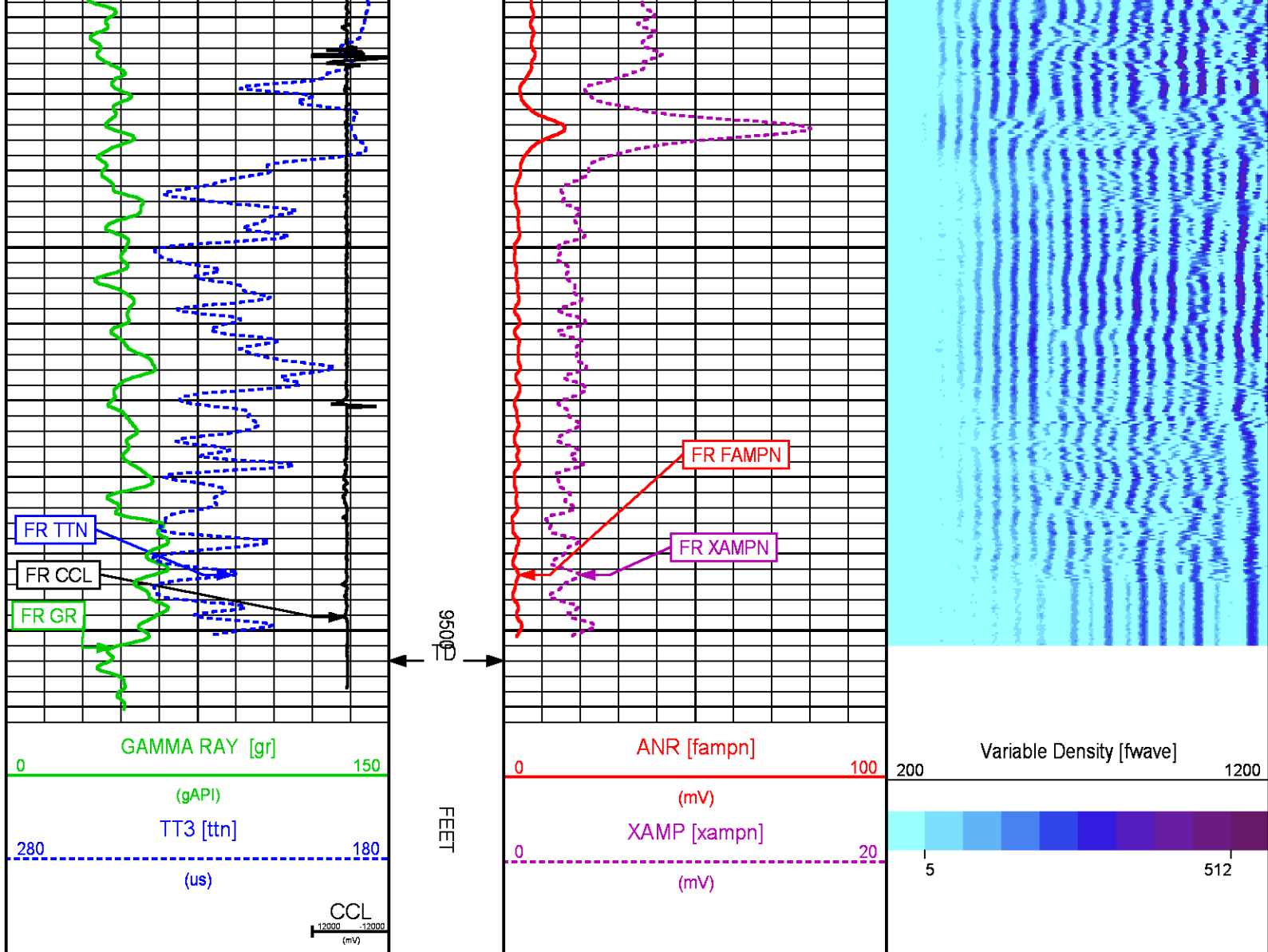












REPEAT LOG 0 PSI

ECLIPS 6.2i ECLIPS General Release Rel 6.2i Wed Jun 12 12:21:40 CDT 2013
Updates: 1,36 Patches: 9

Plotted: Wed Oct 26 14:49:46 2016

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/TEP_YOUBERG RU 421_7/n012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 9197.500 ft BOTTOM DEPTH: 9503.000 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)		"	"

RAI CCI PROCESSING

RAL COLLAR 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*)	177	us	TOP	BOTTOM
	AMP WINDOW LENGTH	25	us	"	"
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	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*)	-75	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

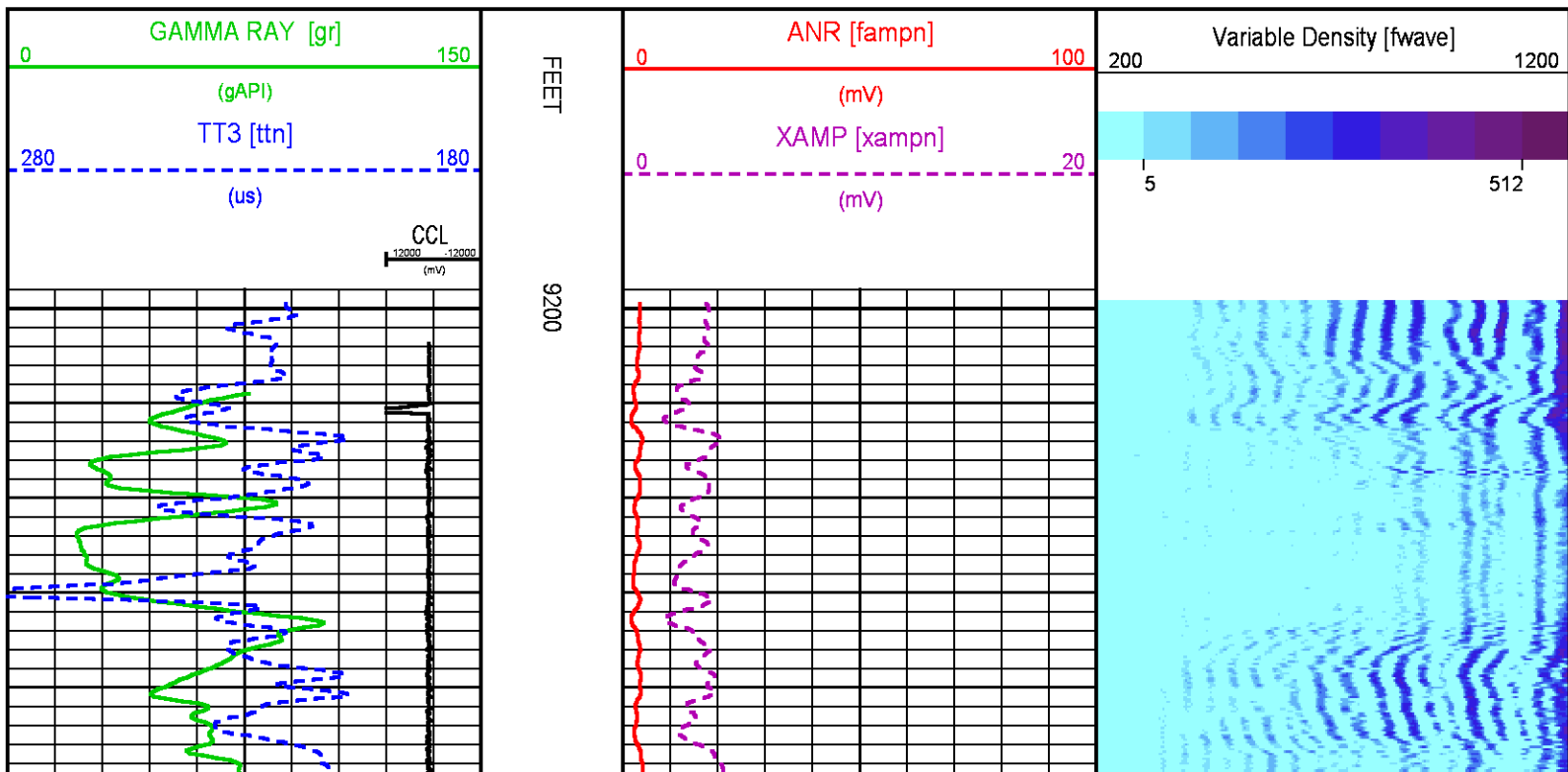
CURVE DESCRIPTION REPORT

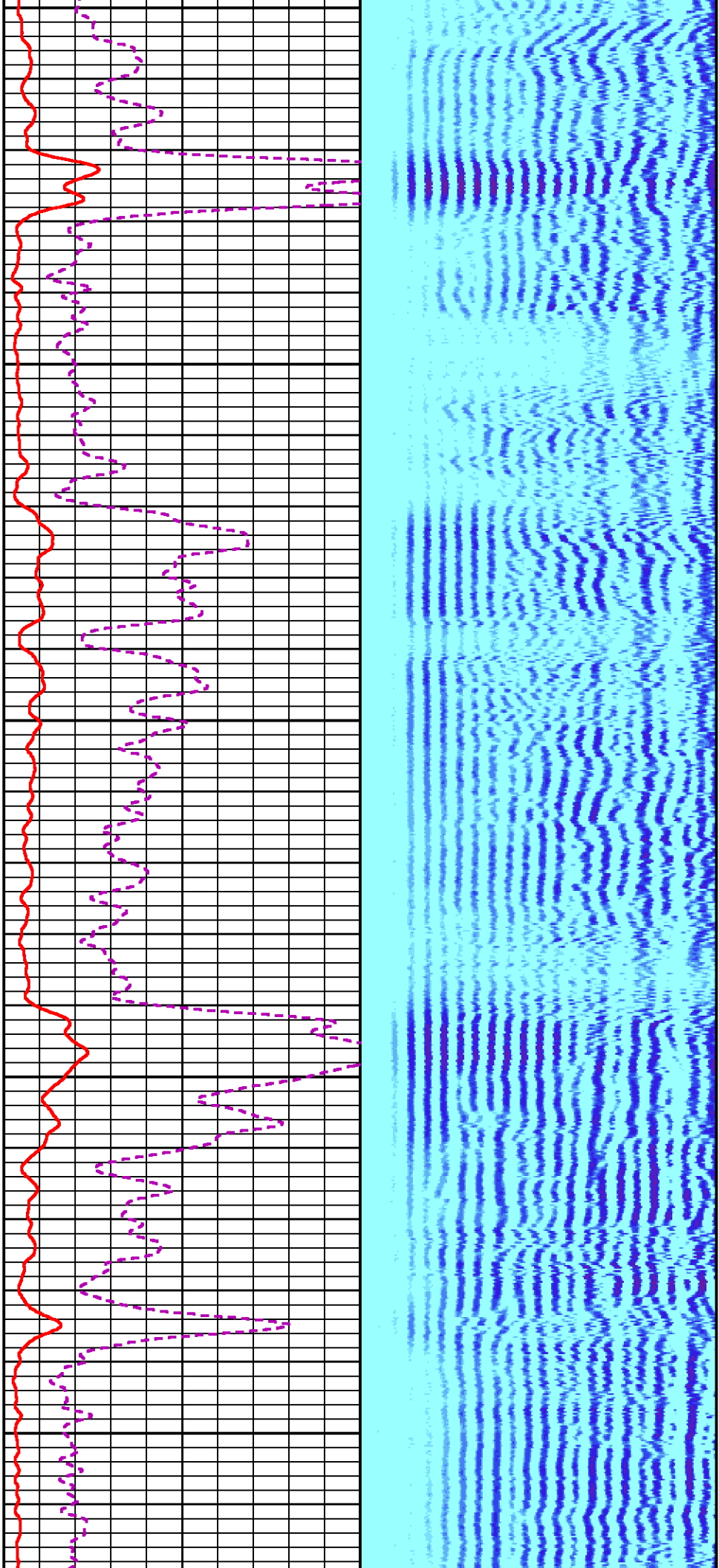
CURVE NAME	CREATION DATE	CURVE DESCRIPTION
F1:CCL	Oct 20 16:07:40 2016	CASING COLLAR LOCATOR
F1:FAMPN	Oct 20 16:07:40 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Oct 20 16:07:40 2016	FAR WAVE FORM
F1:GR	Oct 20 16:07:40 2016	GAMMA RAY
F1:TTN	Oct 20 16:07:40 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Oct 20 16:07:40 2016	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				

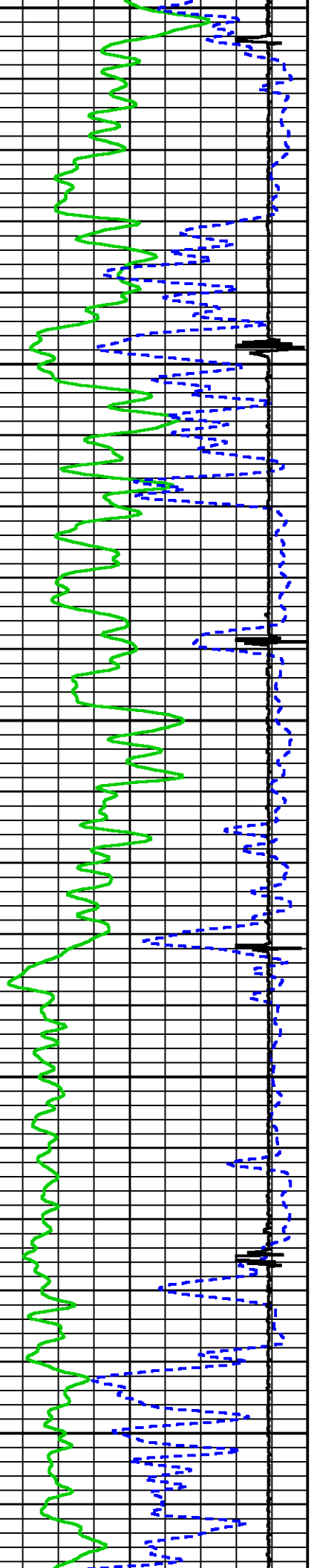
Presentation	: cpu6728:/dat1a/TEP_YOUBERG_RU_421_7/ral_cbl+01-REPEAT-RAL_RPT_421-5.fvpdf [5"/100' Scale]
Plot Interval	: 9199.25 - 9513.5 Feet
Data File 1	: F1 : cpu6728:/dat1a/TEP_YOUBERG_RU_421_7/RAL_RPT_421.xtf
Created On	: Oct 20 16:07:40 2016
Company	: TEP ROCKY MOUNTAIN LLC
Well	: YOUBERG RU 421-7
Field	: RULISON
File Interval	: 9198.25 - 9515 Feet
OCT	: n012g

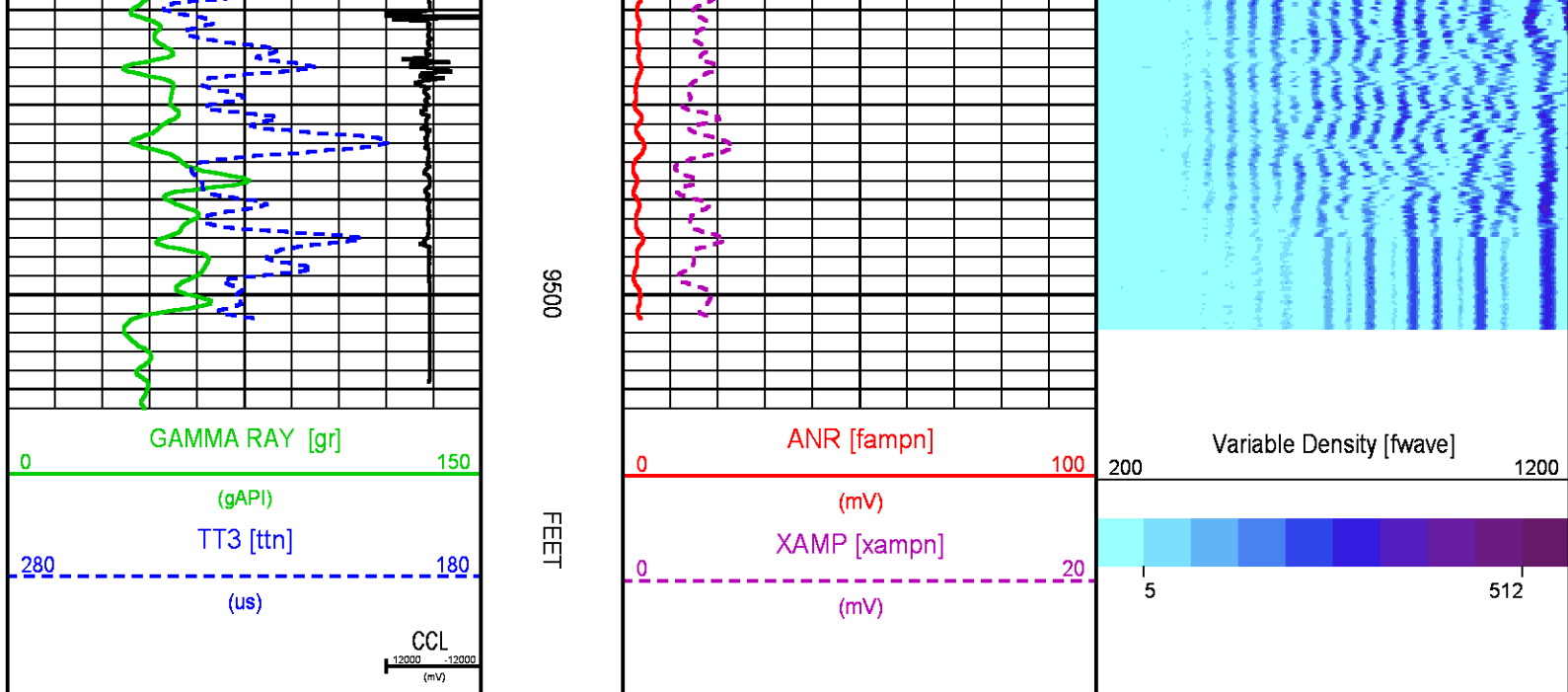




9300

9400





SECONDARY MAIN 0 PSI

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

Updates: 1,36 Patches: 9

Plotted: Wed Oct 26 14:42:22 2016

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/TEP_YOUBERG_RU_421_7/n012g02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 12.000 ft BOTTOM DEPTH: 9501.250 ft

SYMMETRIC FILTER

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

RAL CCL PROCESSING

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

ANALOG RAL PROCESSING

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
AMPLITUDE WINDOW (NEAR)	AMP WINDOW START (fgp1*)	177	us	TOP	BOTTOM
	AMP WINDOW START (fgp2*)	177	us	"	"
	AMP WINDOW START (fgp3*)	177	us	"	"
	AMP WINDOW START (fgp4*)	177	us	"	"
	AMP WINDOW START (fgp5*)	177	us	"	"
	AMP WINDOW START (fgp6*)	177	us	"	"
	AMP WINDOW START (fgp7*)	177	us	"	"
	AMP WINDOW START (fgp8*)	177	us	"	"
	AMP WINDOW START (fgpn*)	177	us	"	"
	AMP WINDOW LENGTH	25	us	"	"

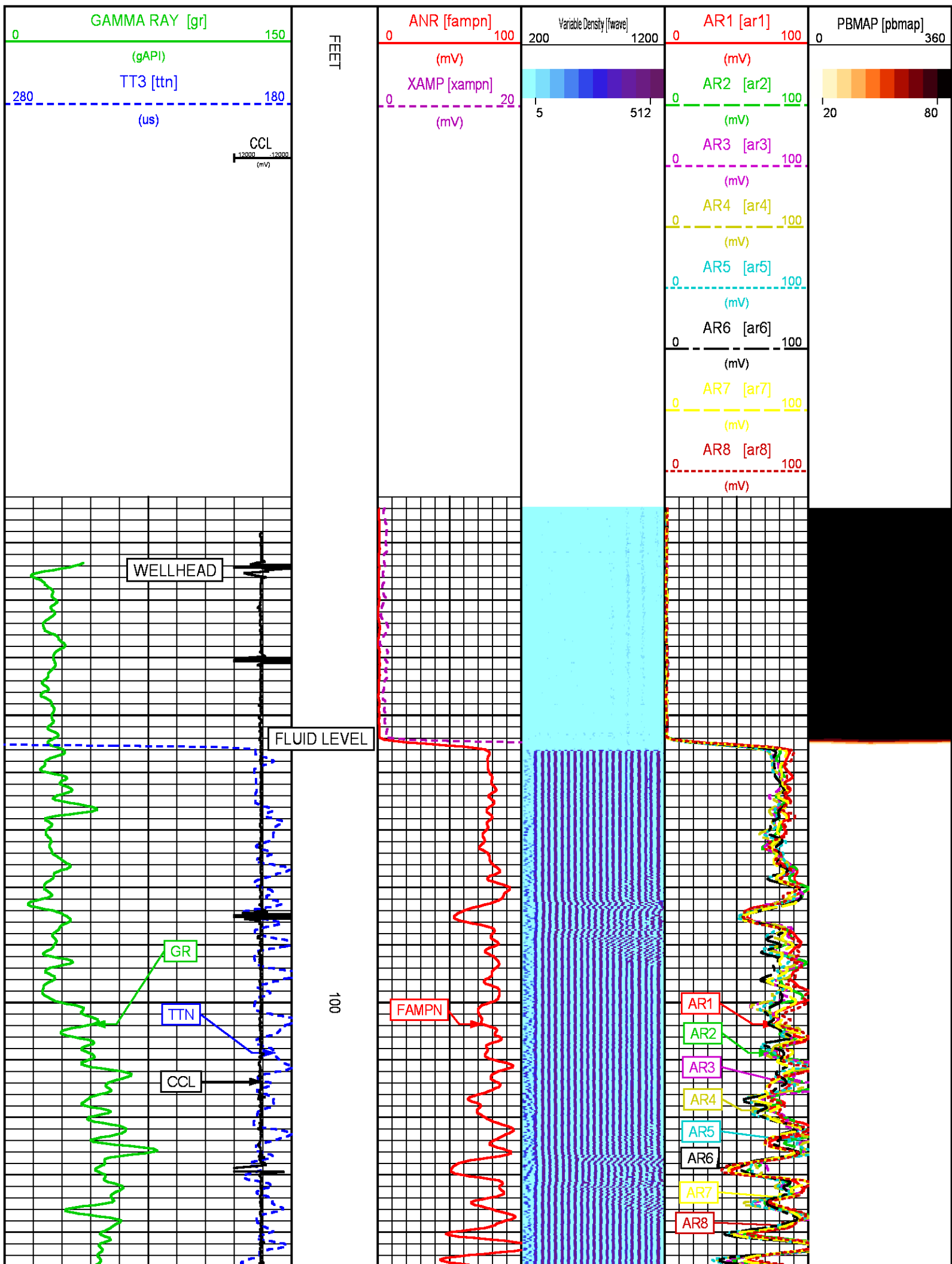
TRAVEL TIME WINDOW (NEAR)	TT WINDOW START (ttn*)	160	us	"	"
	TT WINDOW LENGTH	500	us	"	"
	FIRST BRK THRESHOLD (ttn*)	4	mV	"	"
RAL CASING PARAMETERS	PPT NEAR	200.391	us	"	"
RAL TOOL DELAY	TOOL DELAY (str1*)	-75	us	"	"
	TOOL DELAY (str2*)	-75	us	"	"
	TOOL DELAY (str3*)	-75	us	"	"
	TOOL DELAY (str4*)	-75	us	"	"
	TOOL DELAY (str5*)	-75	us	"	"
	TOOL DELAY (str6*)	-75	us	"	"
	TOOL DELAY (str7*)	-75	us	"	"
	TOOL DELAY (str8*)	-75	us	"	"
	TOOL DELAY (strn*)	-75	us	"	"
BASELINE NOISE (NEAR)	NOISE WINDOW START	125	us	"	"
	NOISE WINDOW LENGTH	25	us	"	"

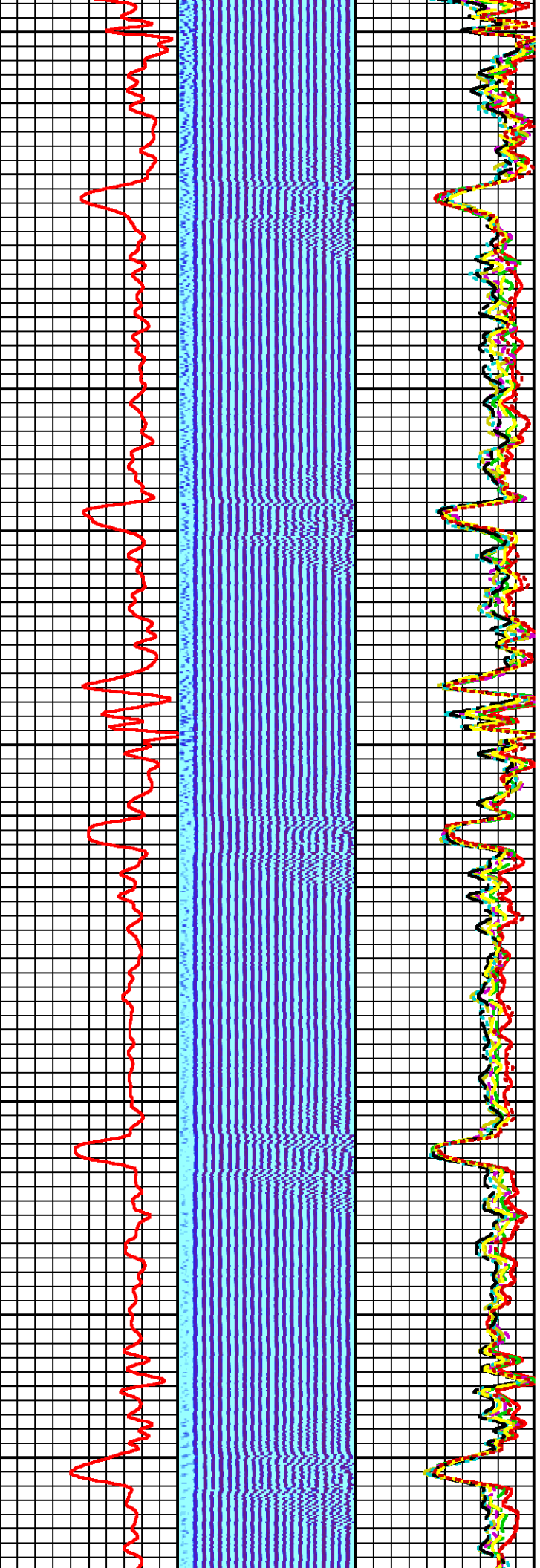
PERCENT BOND CEMENT MAP					
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (ft)	
RAL FREE PIPE AMPLITUDE	FREE AMP REC 1	80	mV	TOP	BOTTOM
	FREE AMP REC 2	80	mV	"	"
	FREE AMP REC 3	80	mV	"	"
	FREE AMP REC 4	80	mV	"	"
	FREE AMP REC 5	80	mV	"	"
	FREE AMP REC 6	80	mV	"	"
	FREE AMP REC 7	80	mV	"	"
	FREE 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	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE T-R1
F1:AR2	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE T-R2
F1:AR3	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE T-R3
F1:AR4	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE T-R4
F1:AR5	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE T-R5
F1:AR6	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE T-R6
F1:AR7	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE T-R7
F1:AR8	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE T-R8
F1:CCL	Oct 20 16:17:42 2016	CASING COLLAR LOCATOR
F1:FAMPN	Oct 20 16:17:42 2016	FIXED GATE AMPLITUDE NEAR RECEIVER
F1:FWAVE	Oct 20 16:17:42 2016	FAR WAVE FORM
F1:GR	Oct 20 16:17:42 2016	GAMMA RAY
F1:PBMAP	Oct 20 16:17:42 2016	PERCENT BOND CEMENT MAP
F1:TTN	Oct 20 16:17:42 2016	TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER
F1:XAMPN	Oct 20 16:17:42 2016	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		

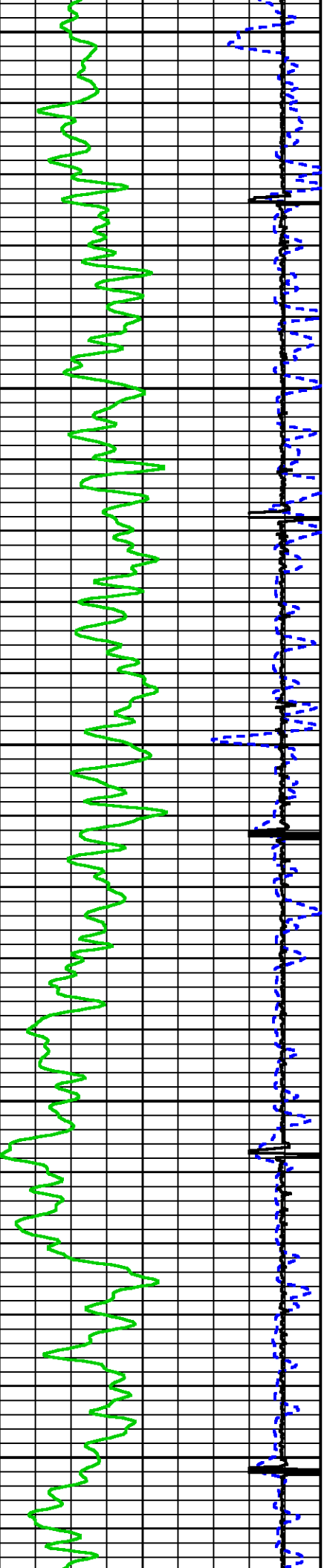
Presentation	: cpu6728:/dat1a/TEP_YOUBERG_RU_421_7/ral_all+01-SECONDARY-RAL_MN_421-5.fvpdf [5"/100' Scale]
Plot Interval	: 13.75 - 9512 Feet
Data File 1	: F1 : cpu6728:/dat1a/TEP_YOUBERG_RU_421_7/RAL_MN_421.xtf
Created On	: Oct 20 16:17:42 2016
Company	: TEP ROCKY MOUNTAIN LLC
Well	: YOUBERG RU 421-7
Field	: RULISON
File Interval	: 12 - 9513.25 Feet
OCT	: n012g

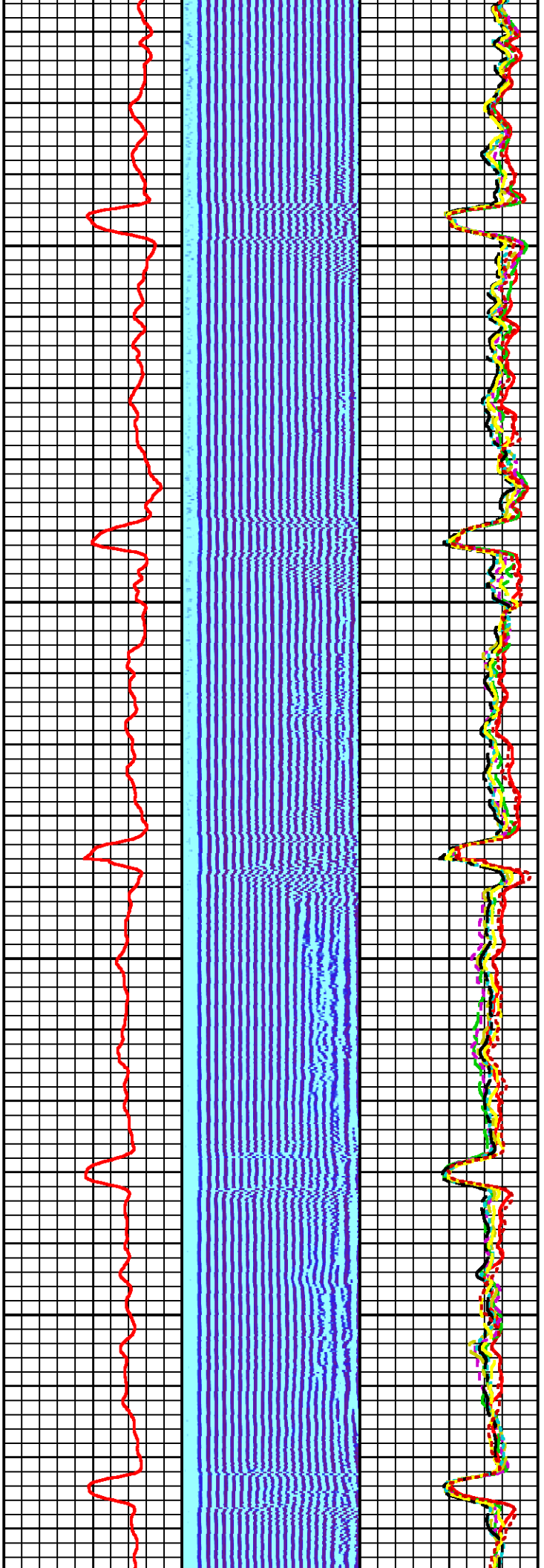




200

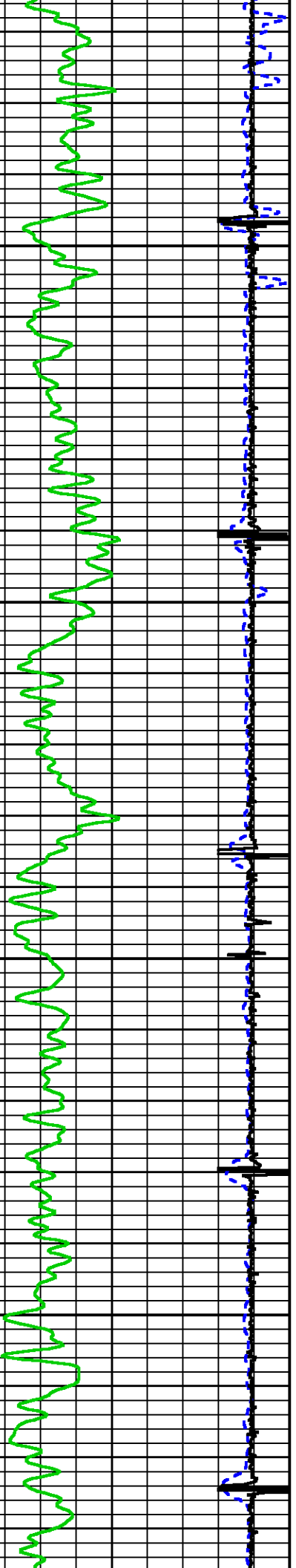
300

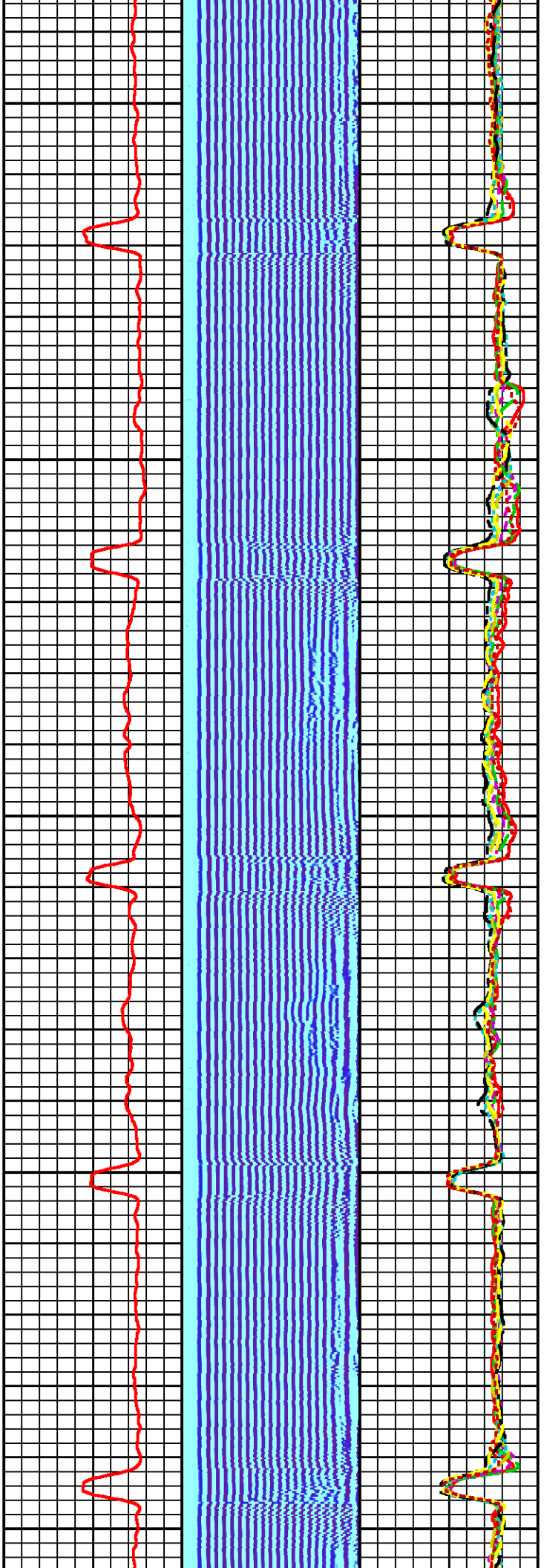




400

500

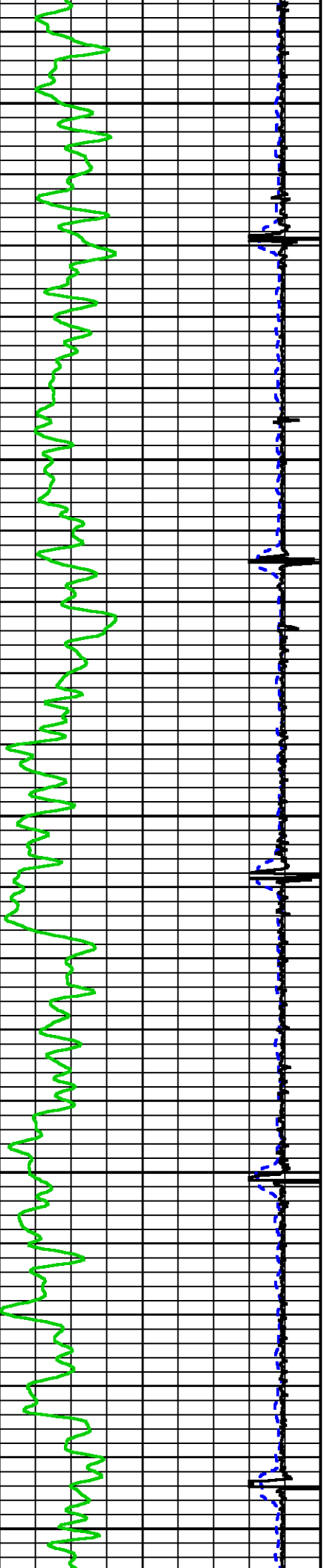


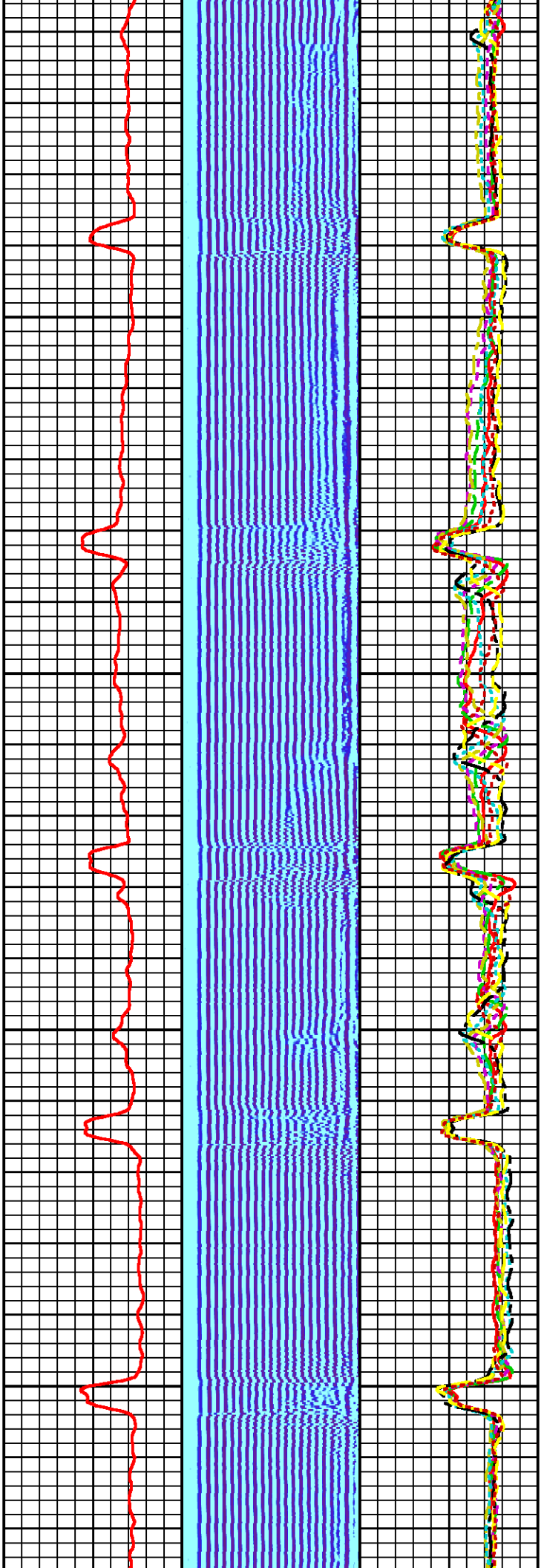


009

700

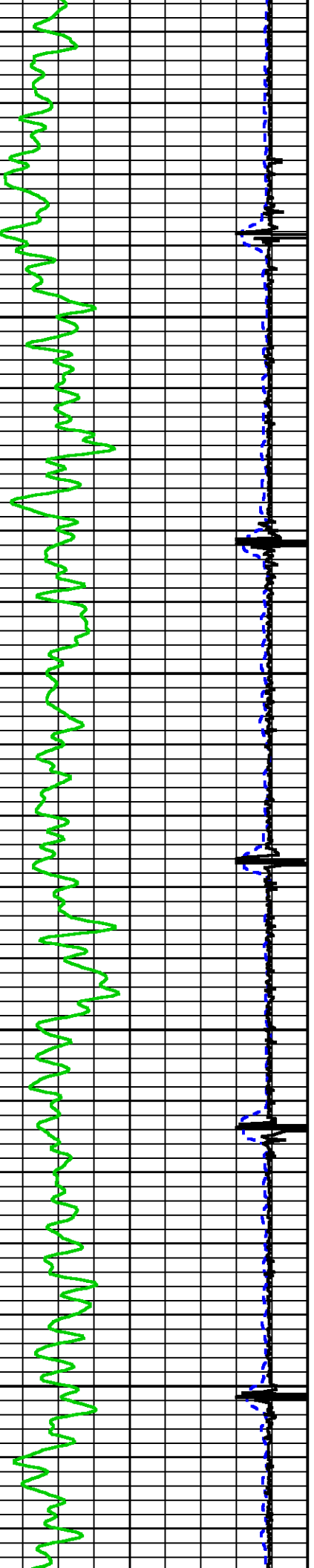
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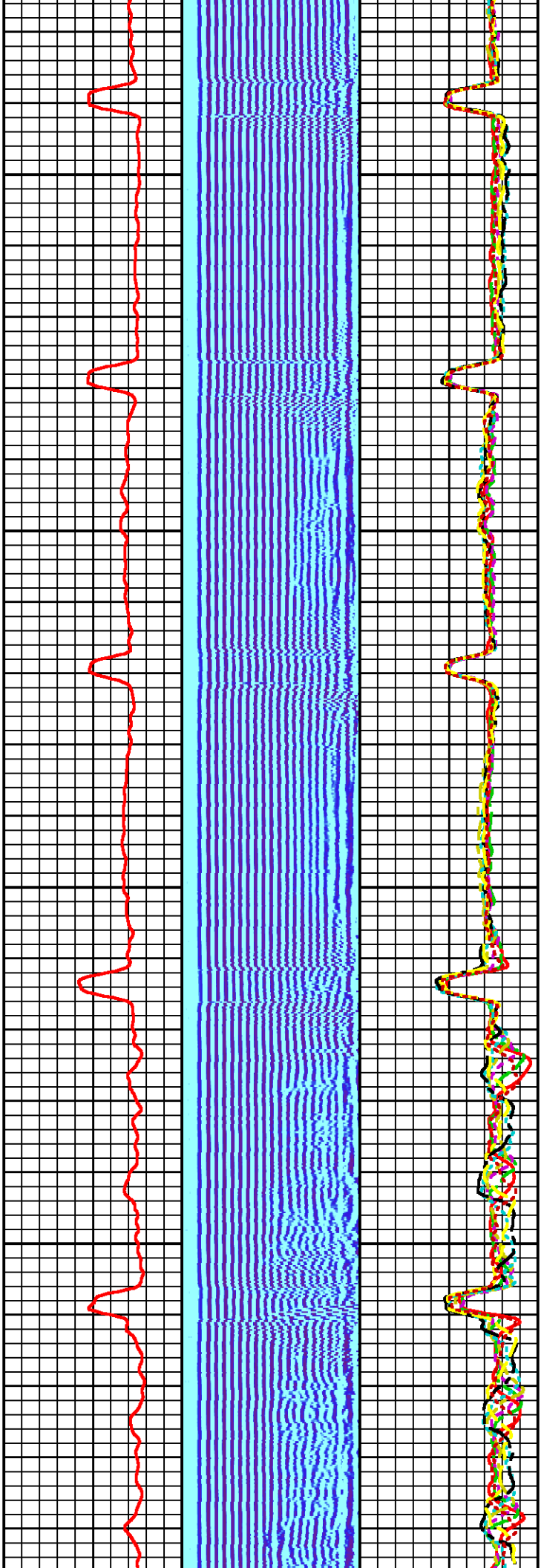




900

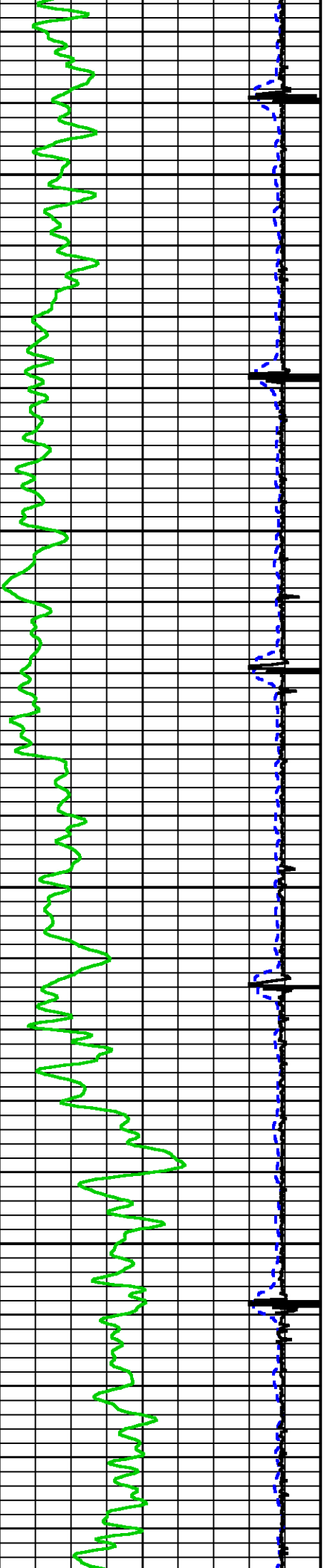
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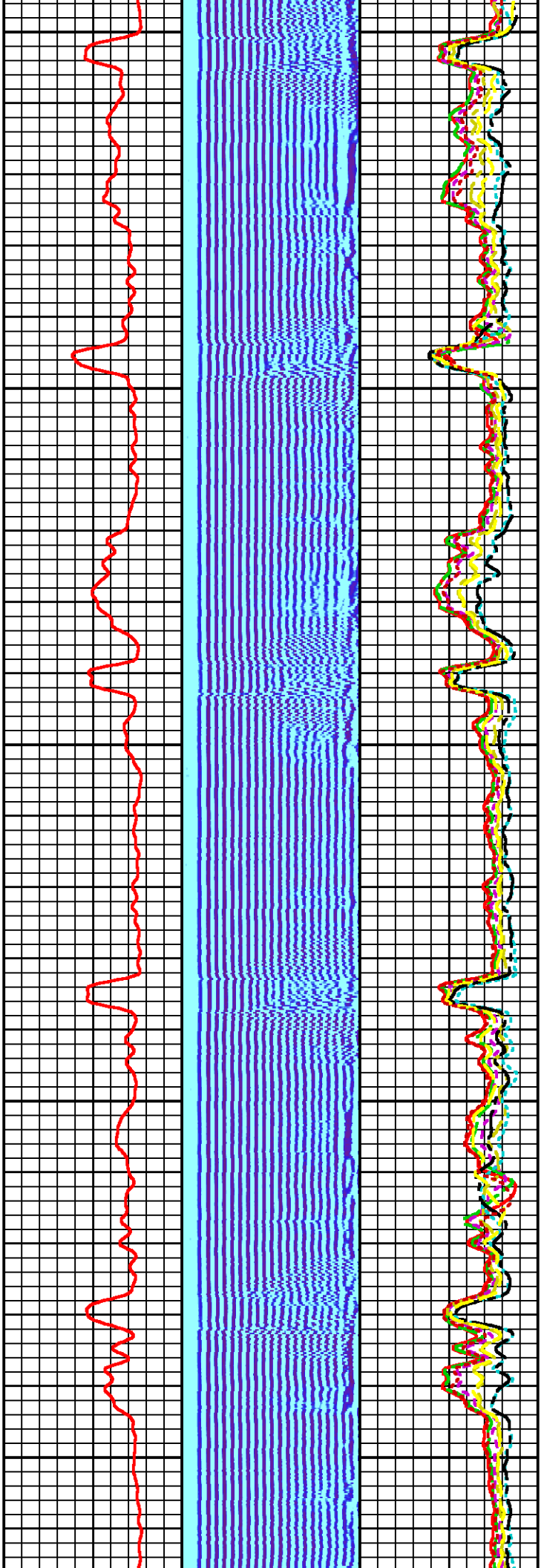




1100

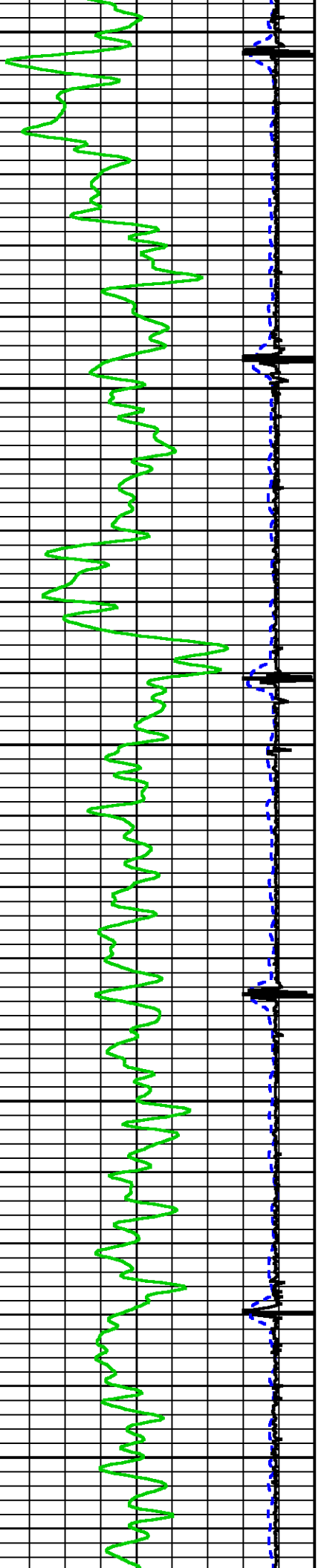
1200

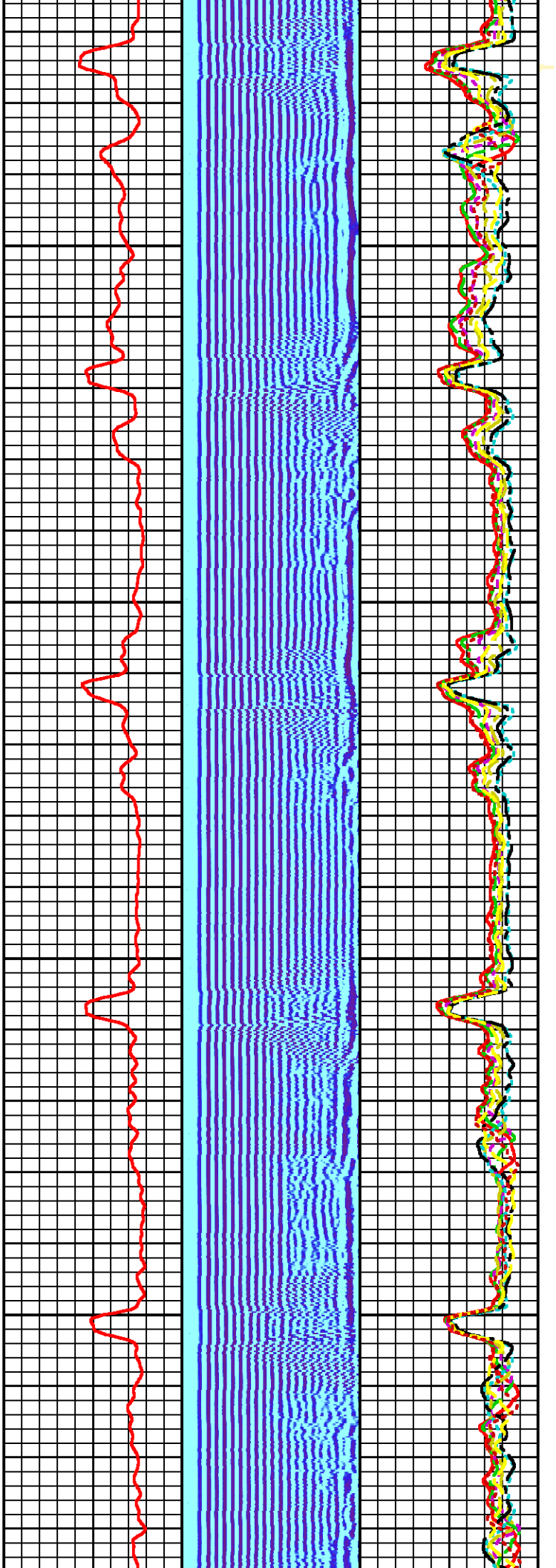




1300

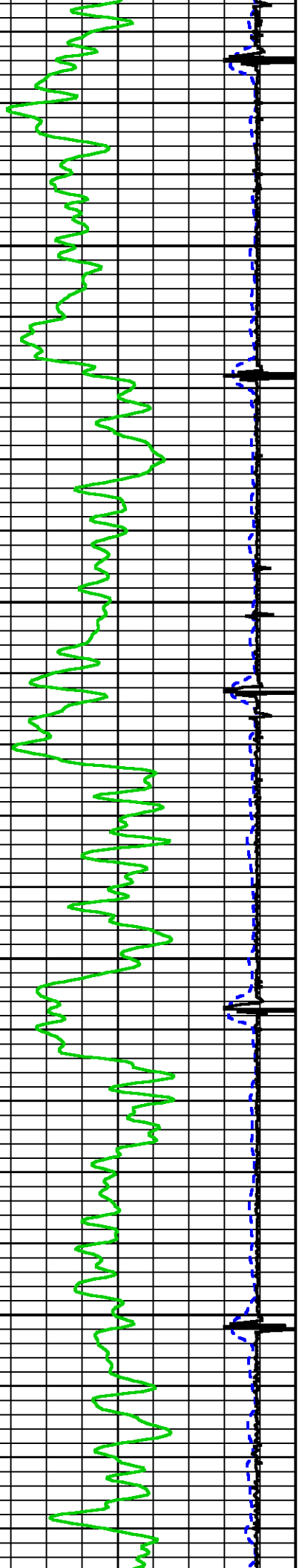
1400

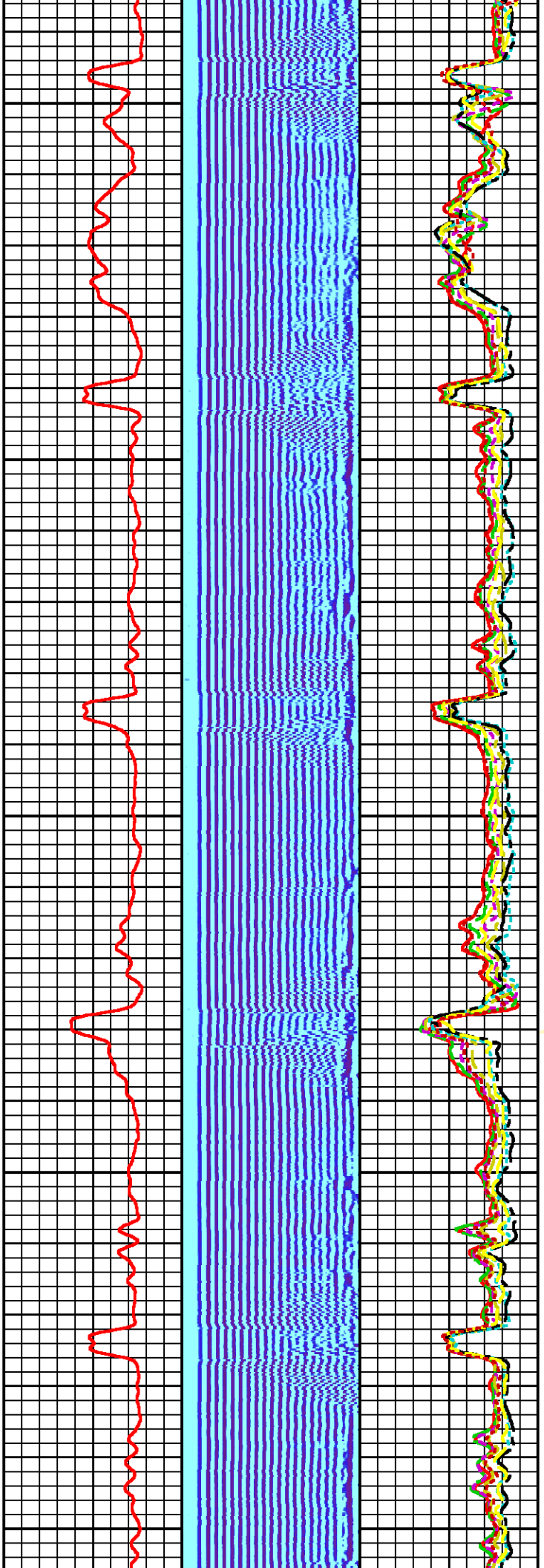




1500

1600

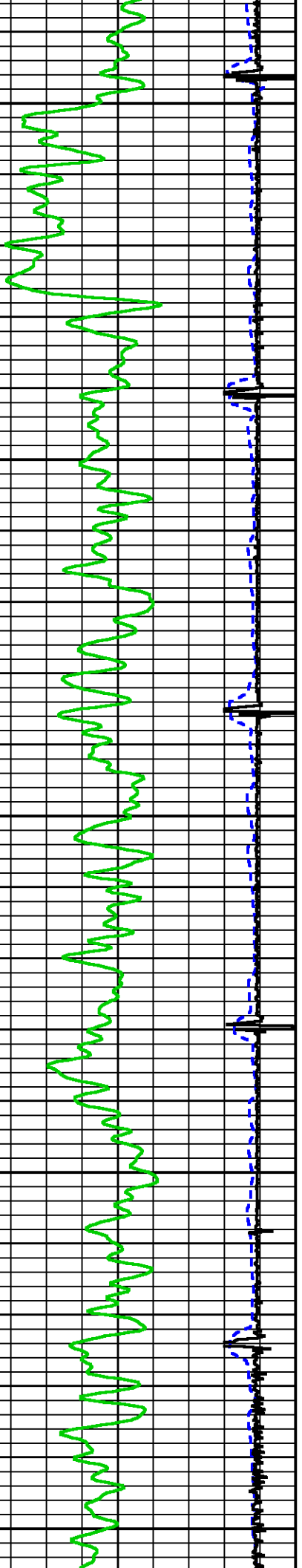


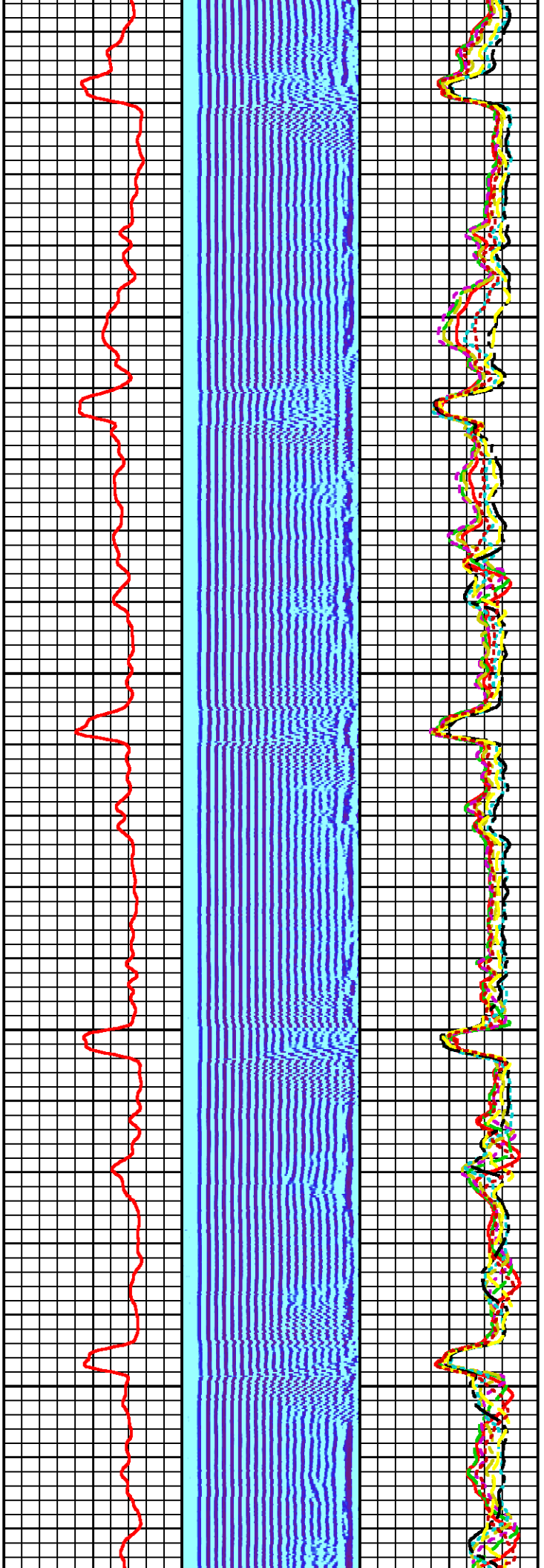


1700

1800

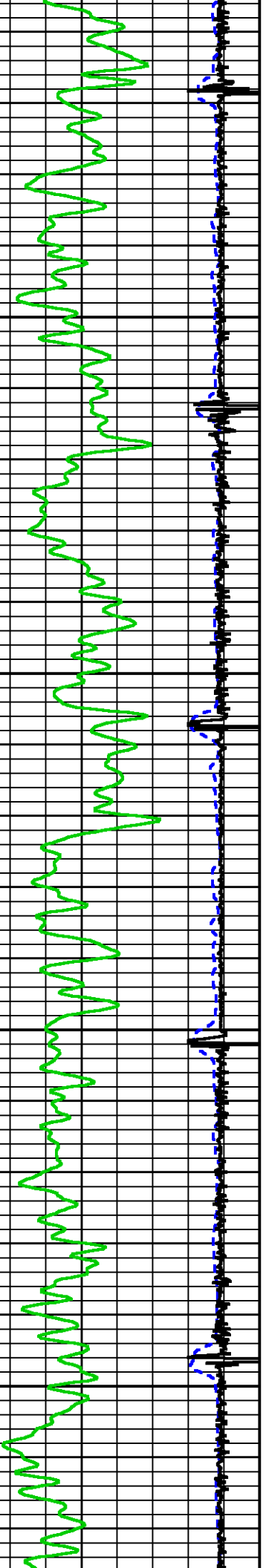
1900

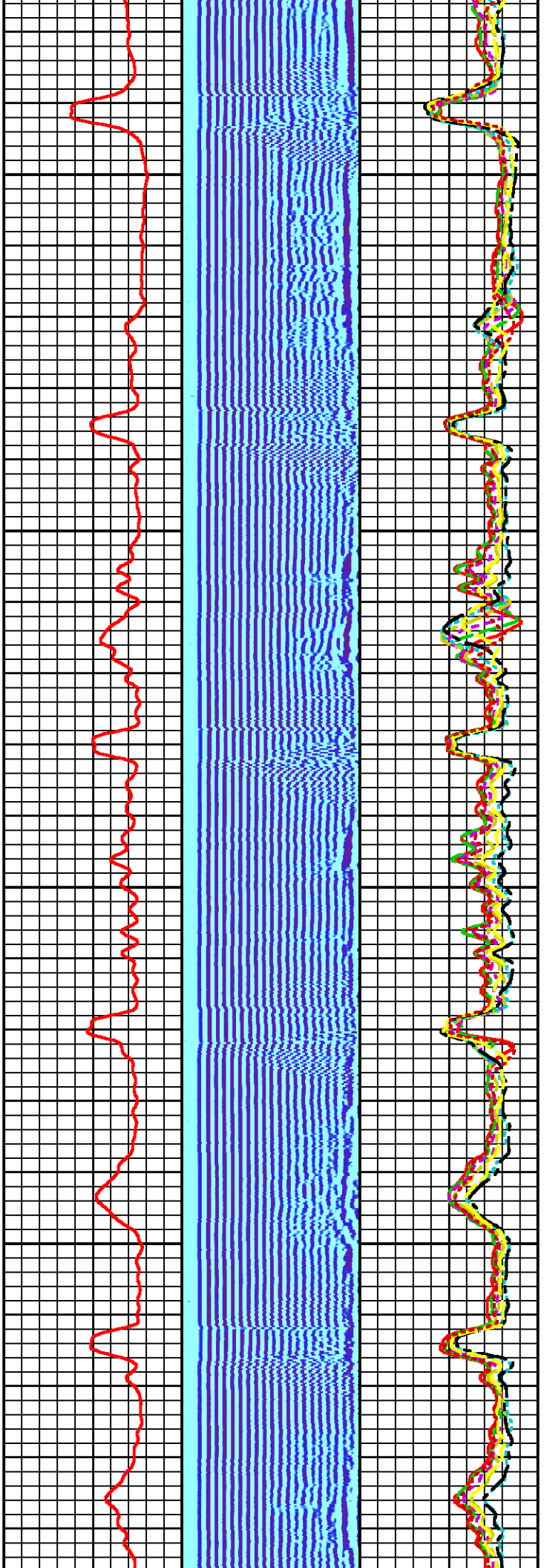




2000

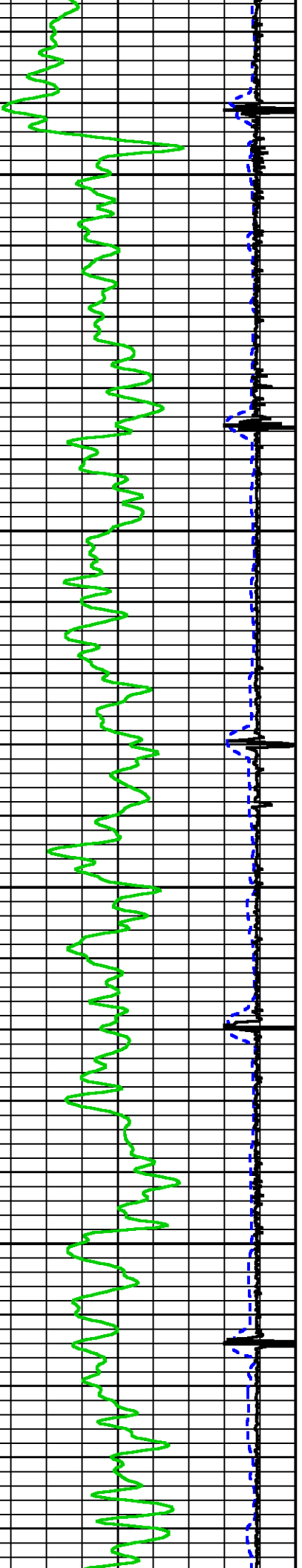
2100

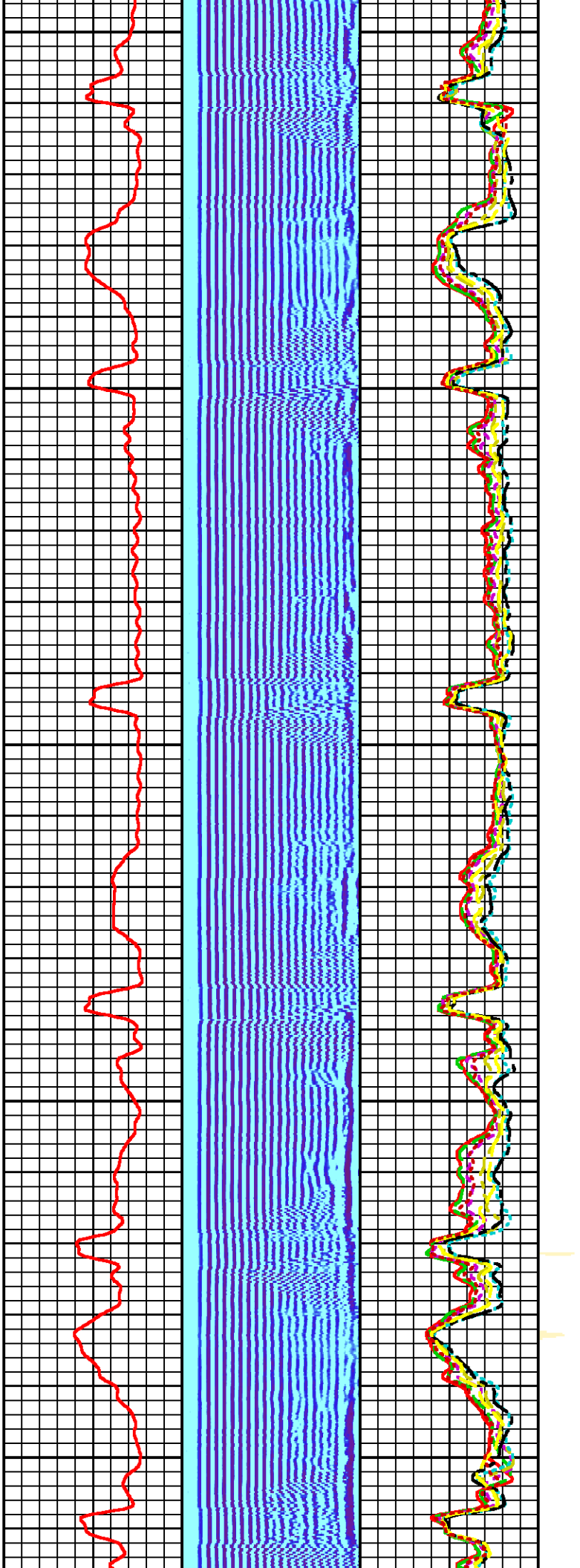




2200

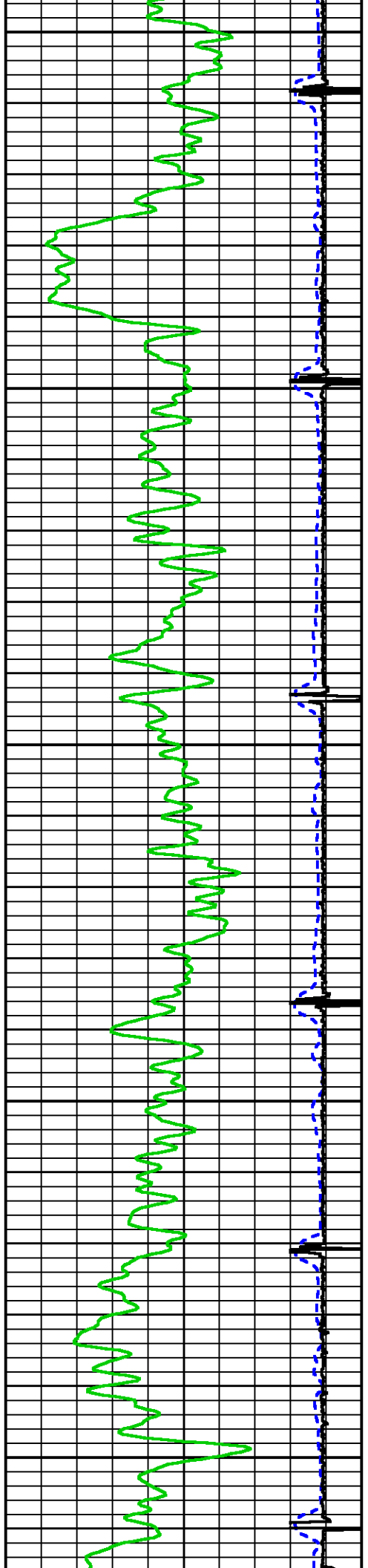
2300

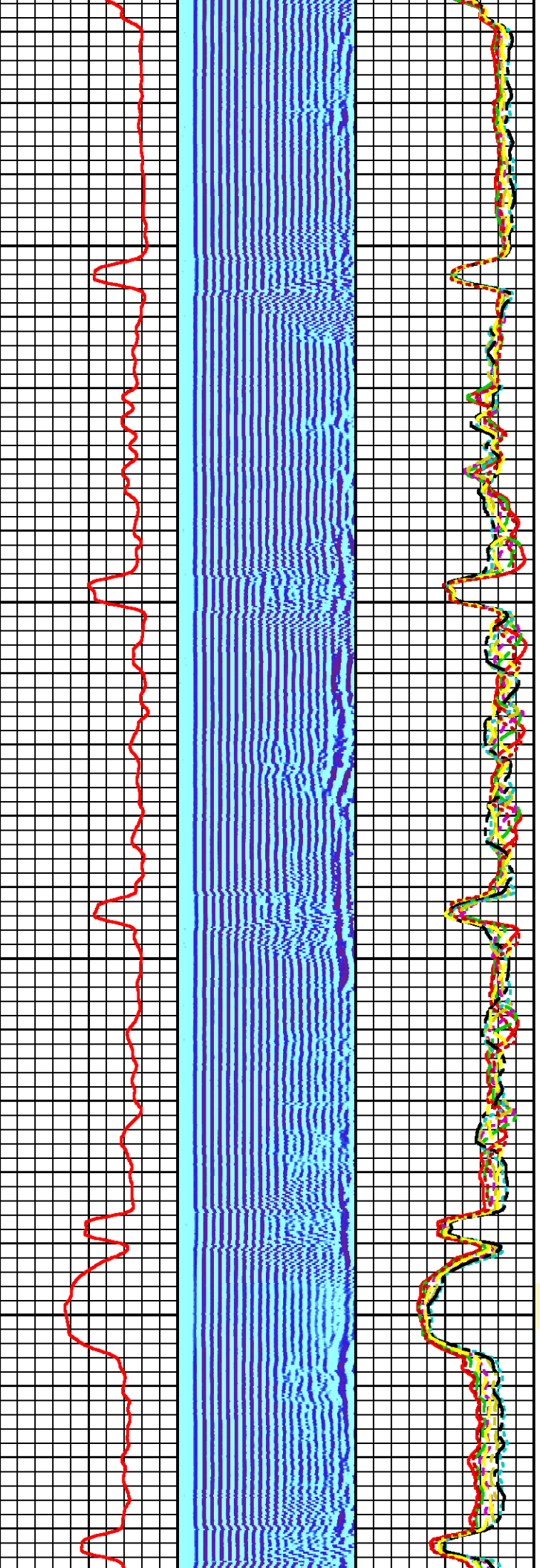




2400

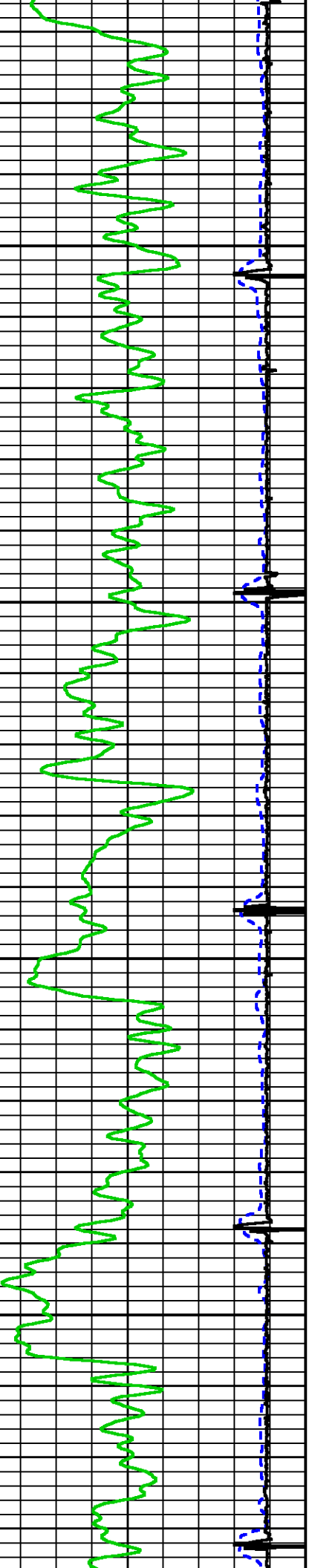
2500

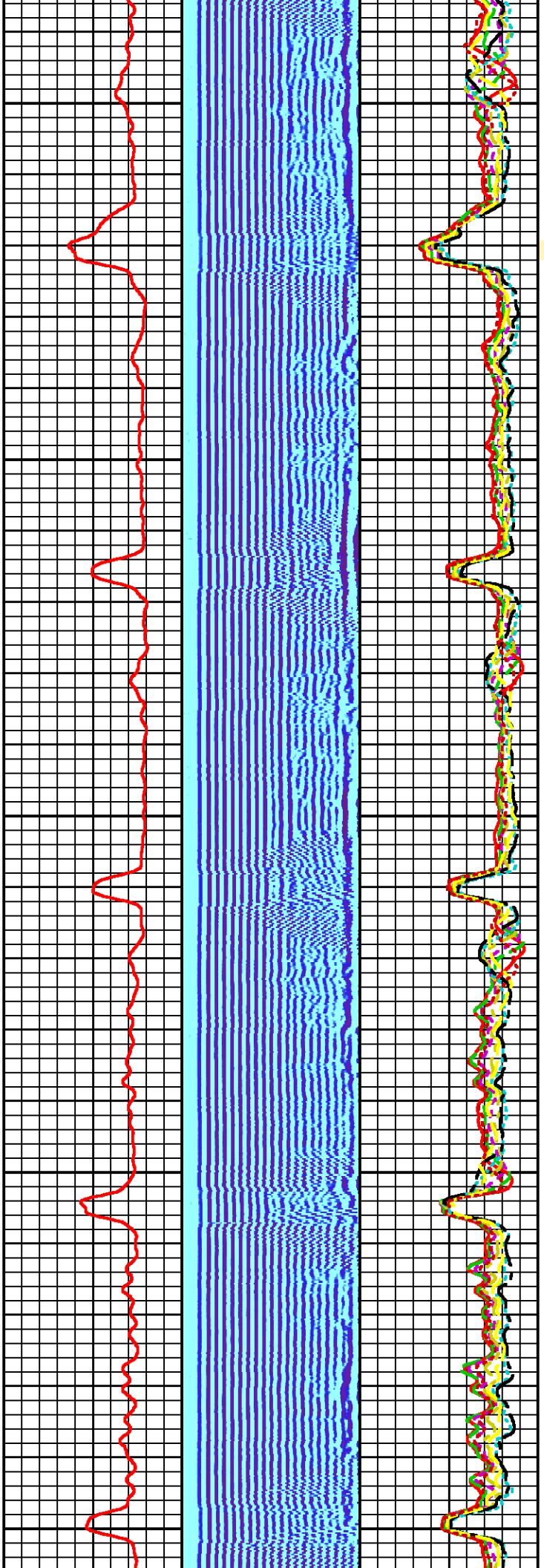




2600

2700

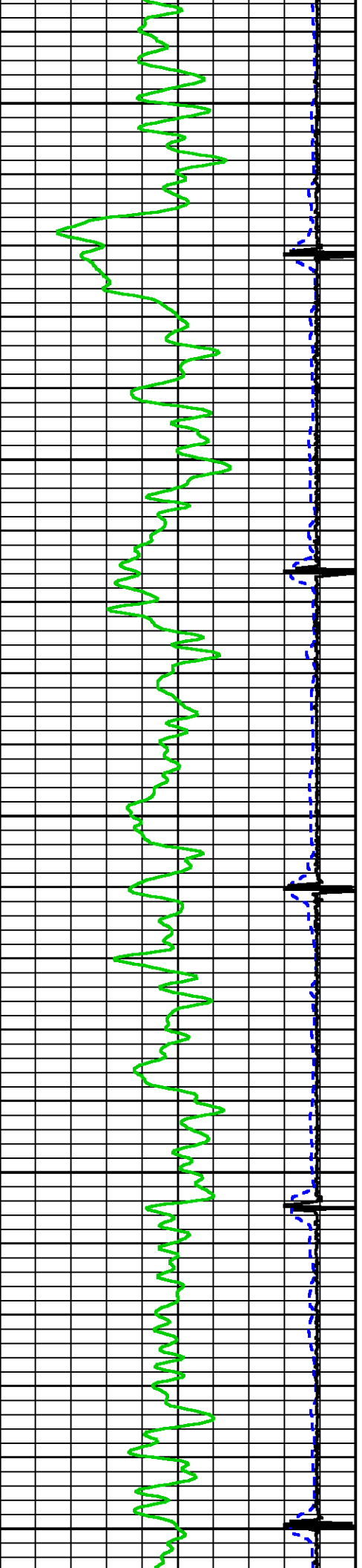


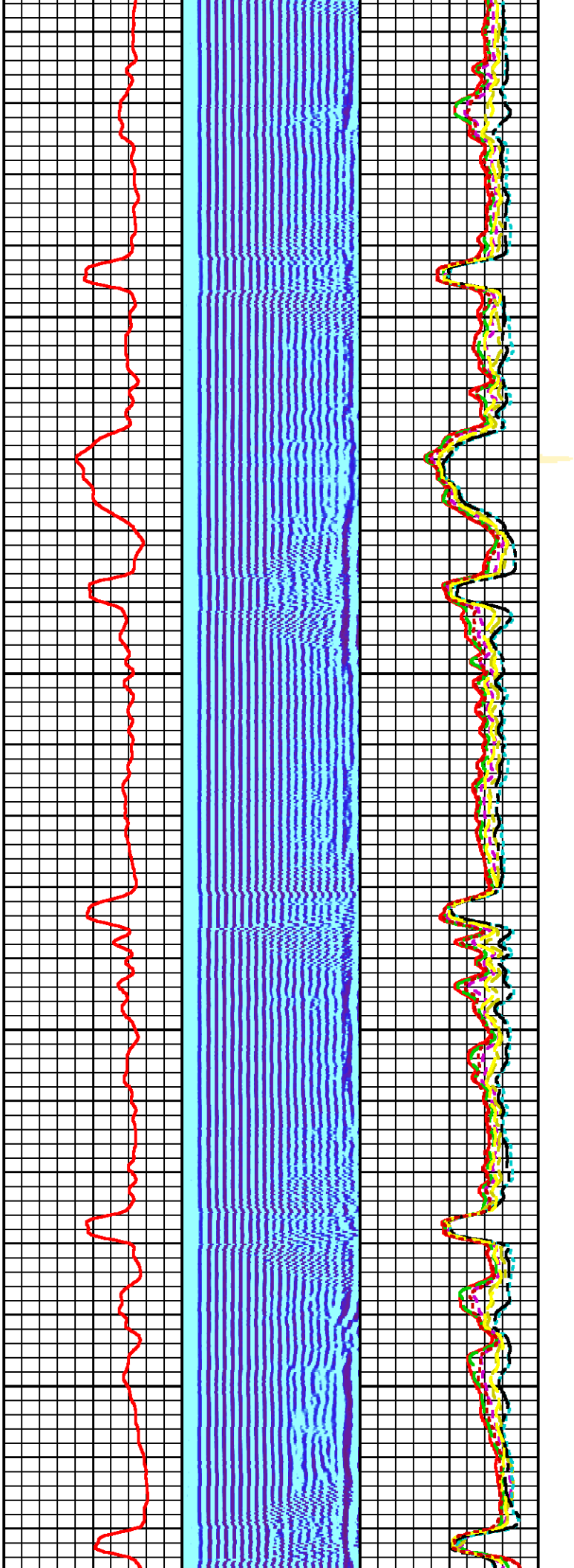


2800

2900

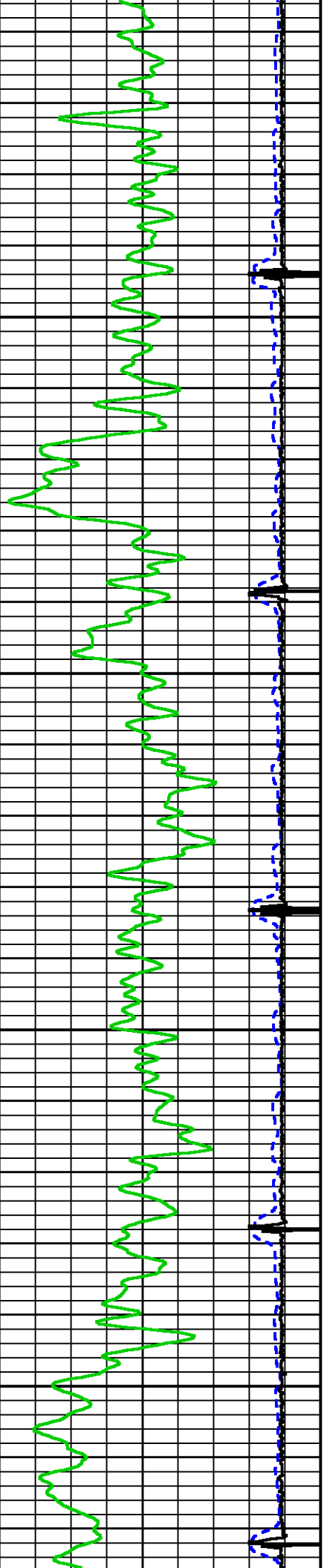
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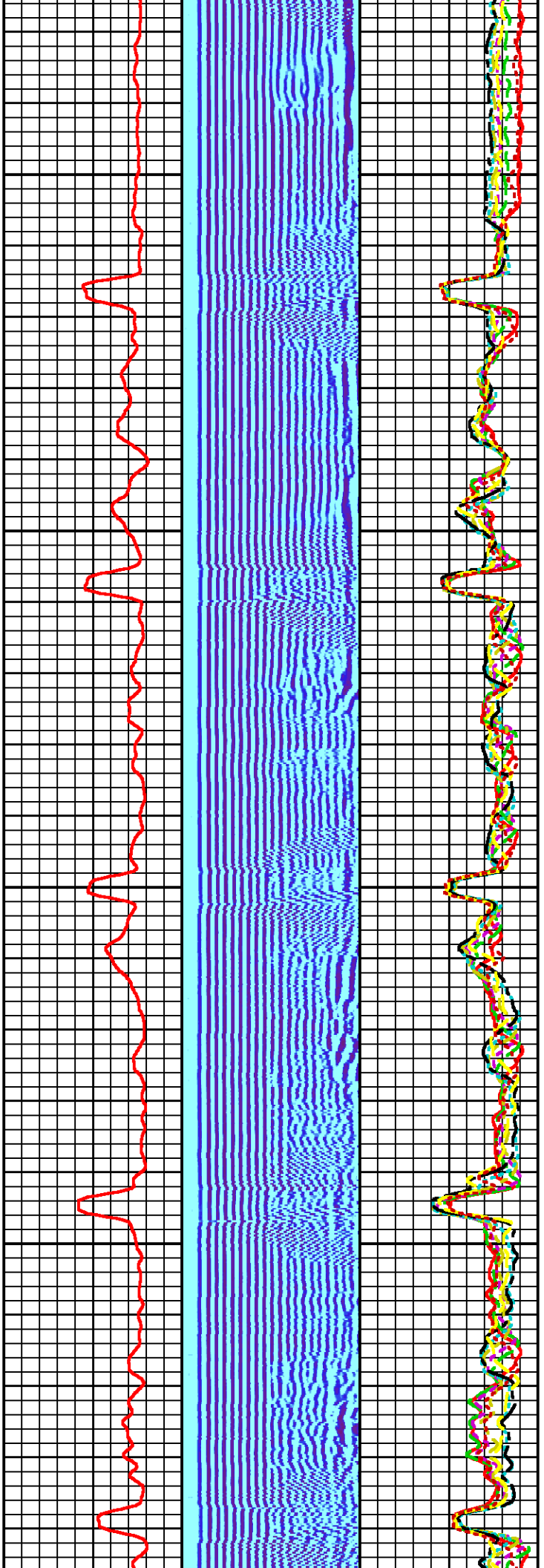




3100

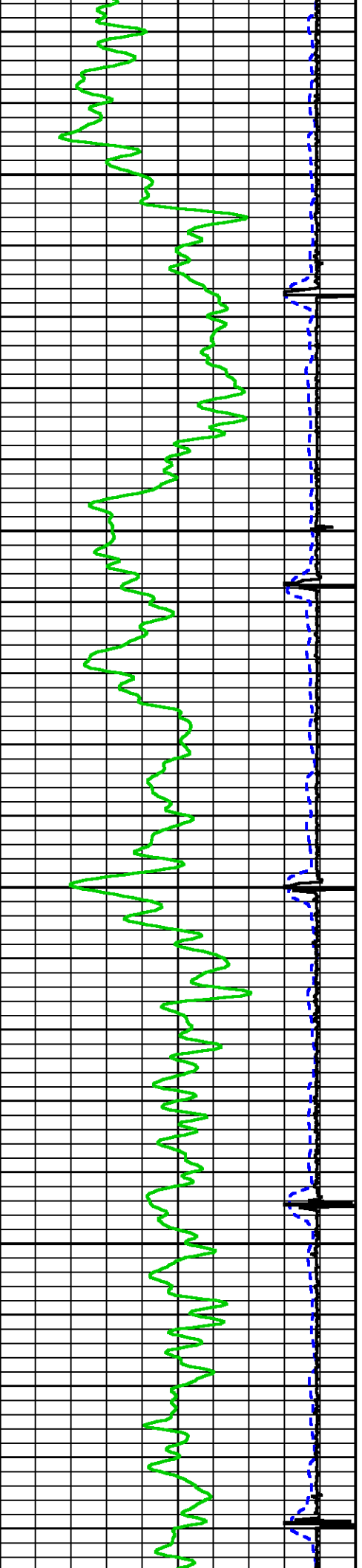
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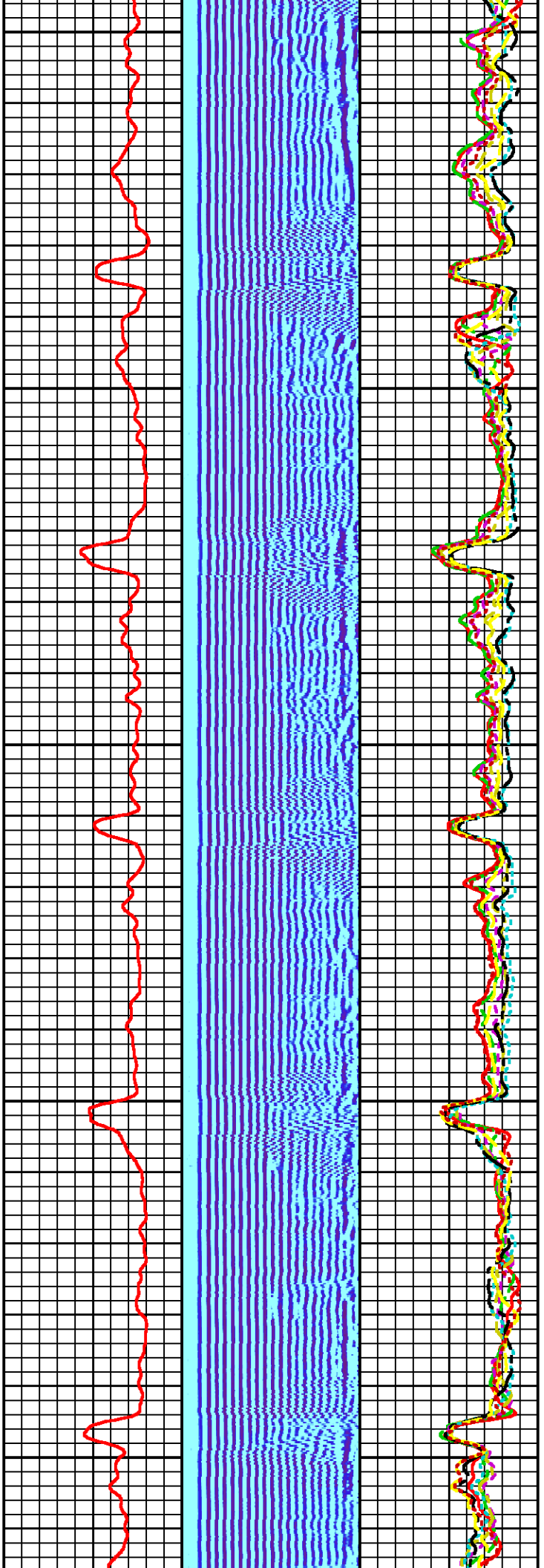




3300

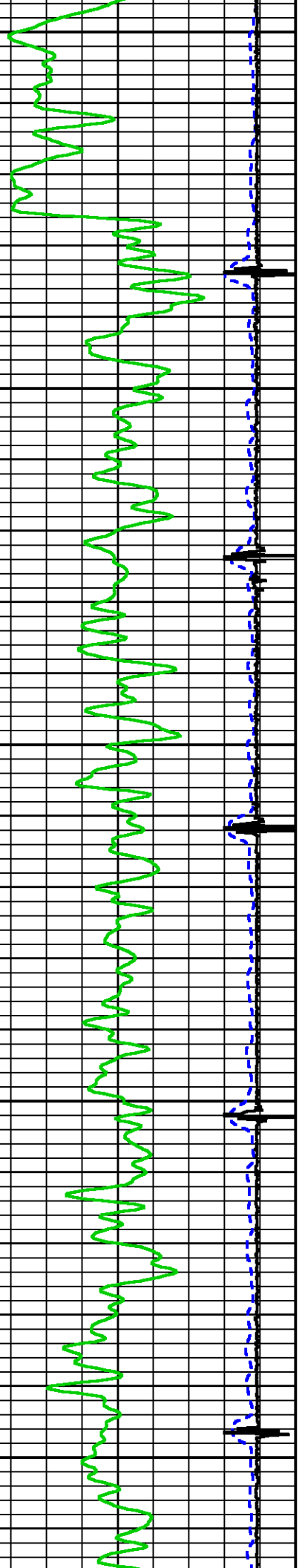
3400

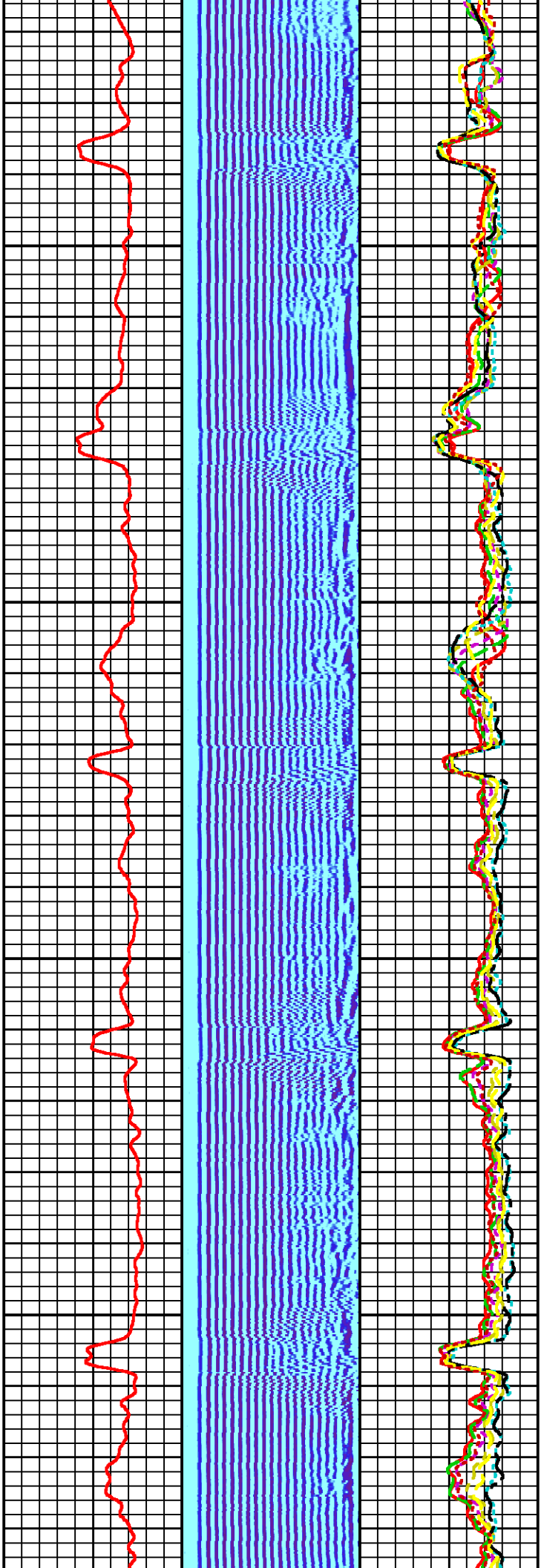




3500

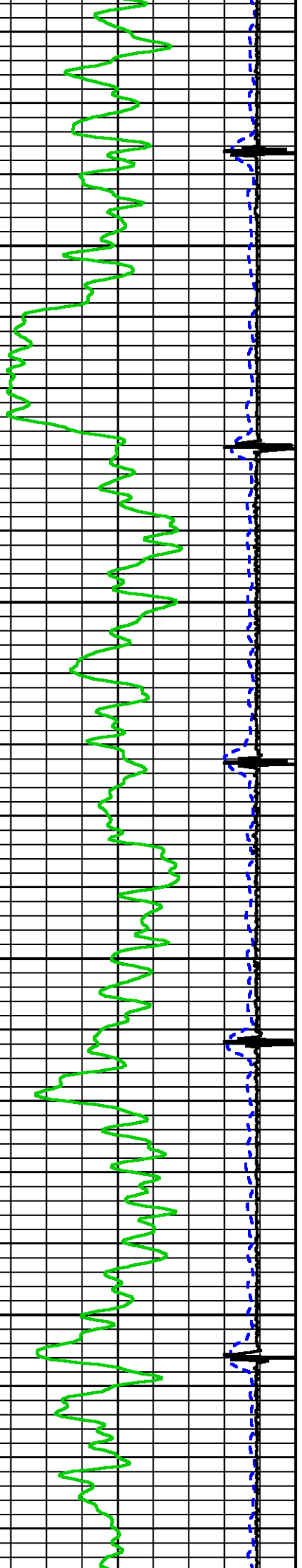
3600

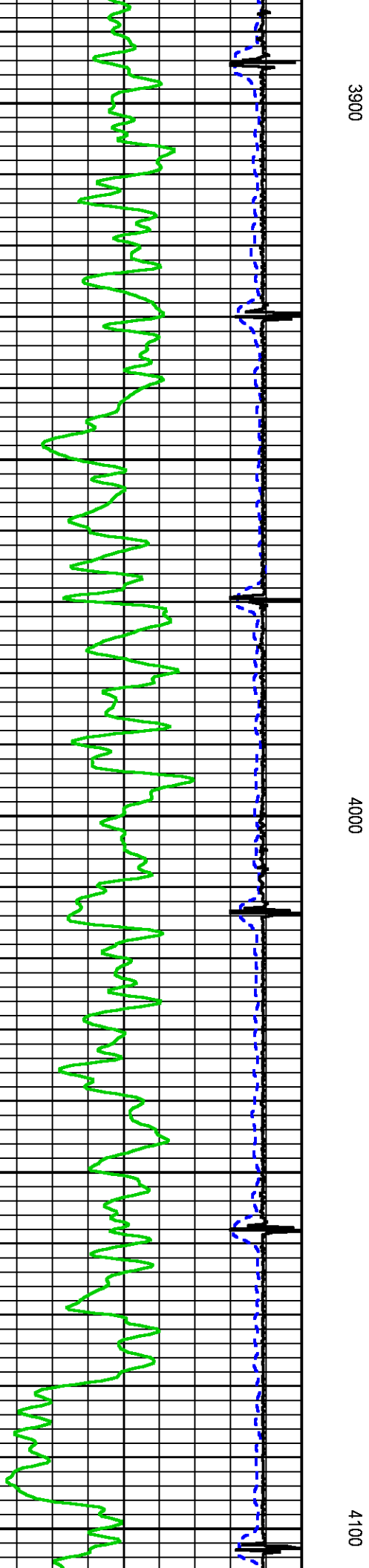
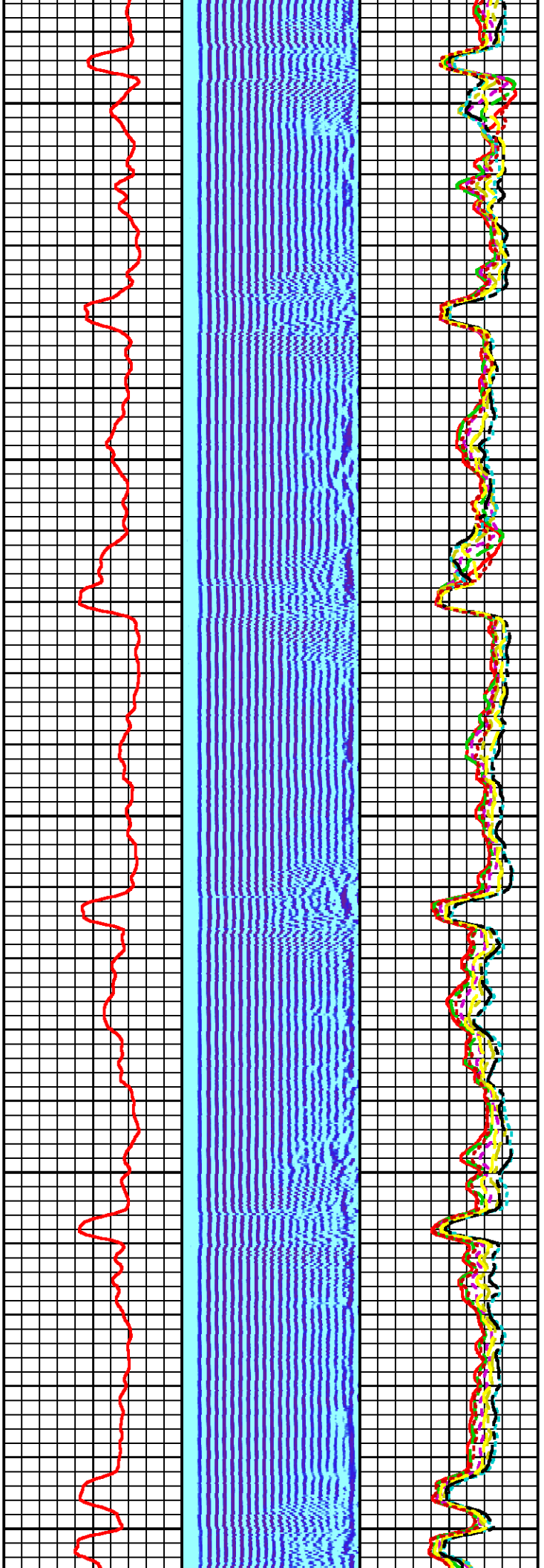


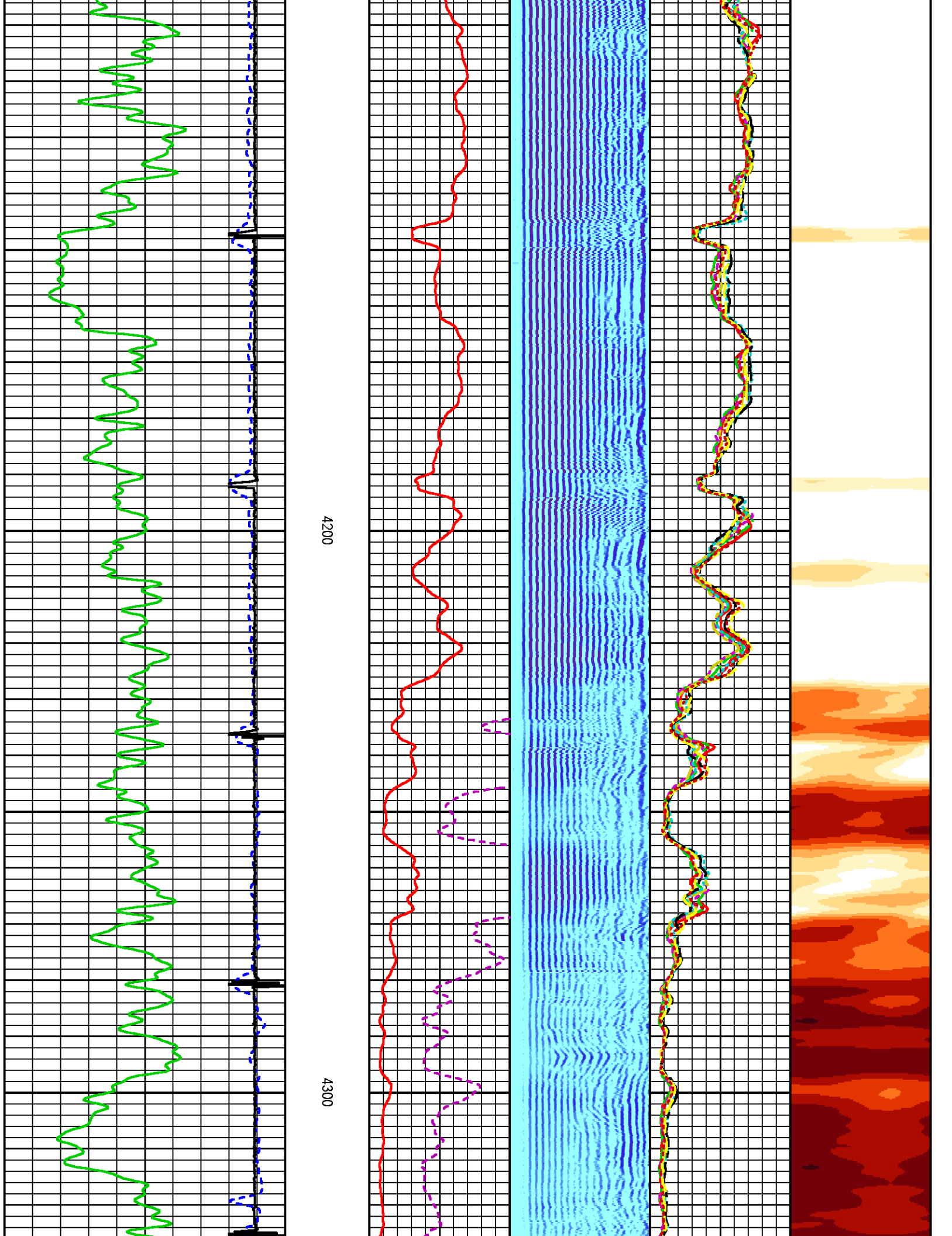


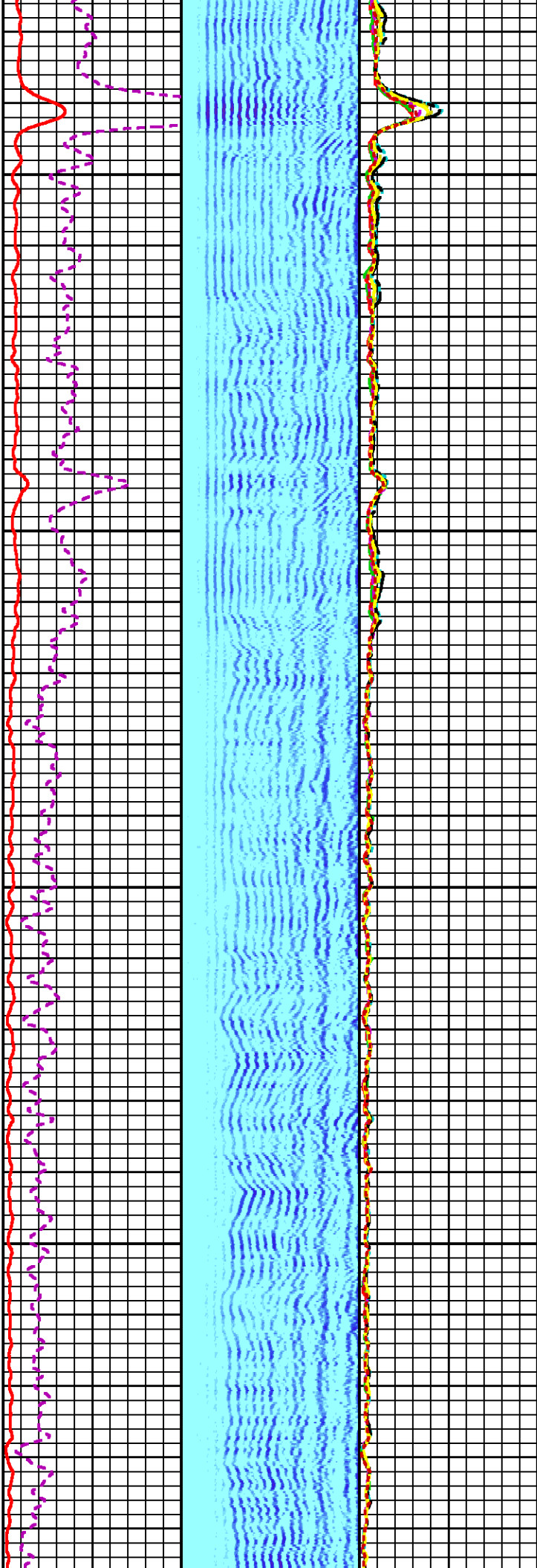
3700

3800



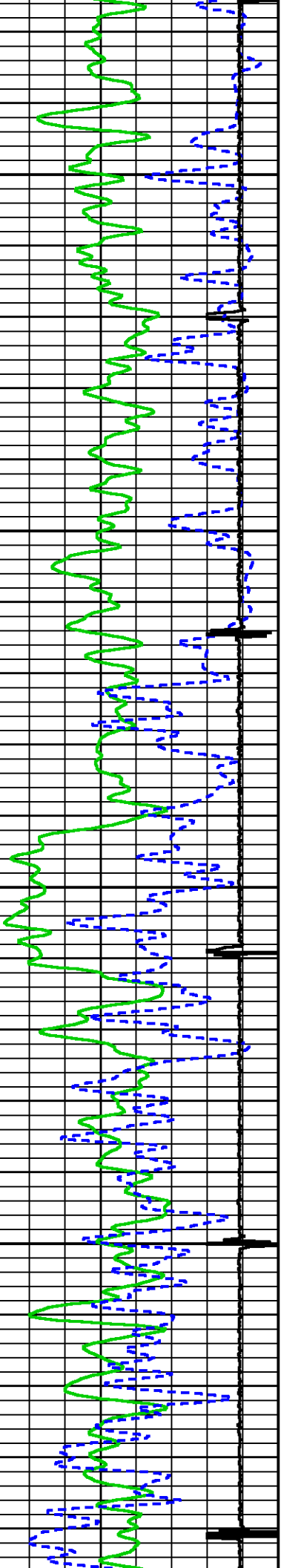


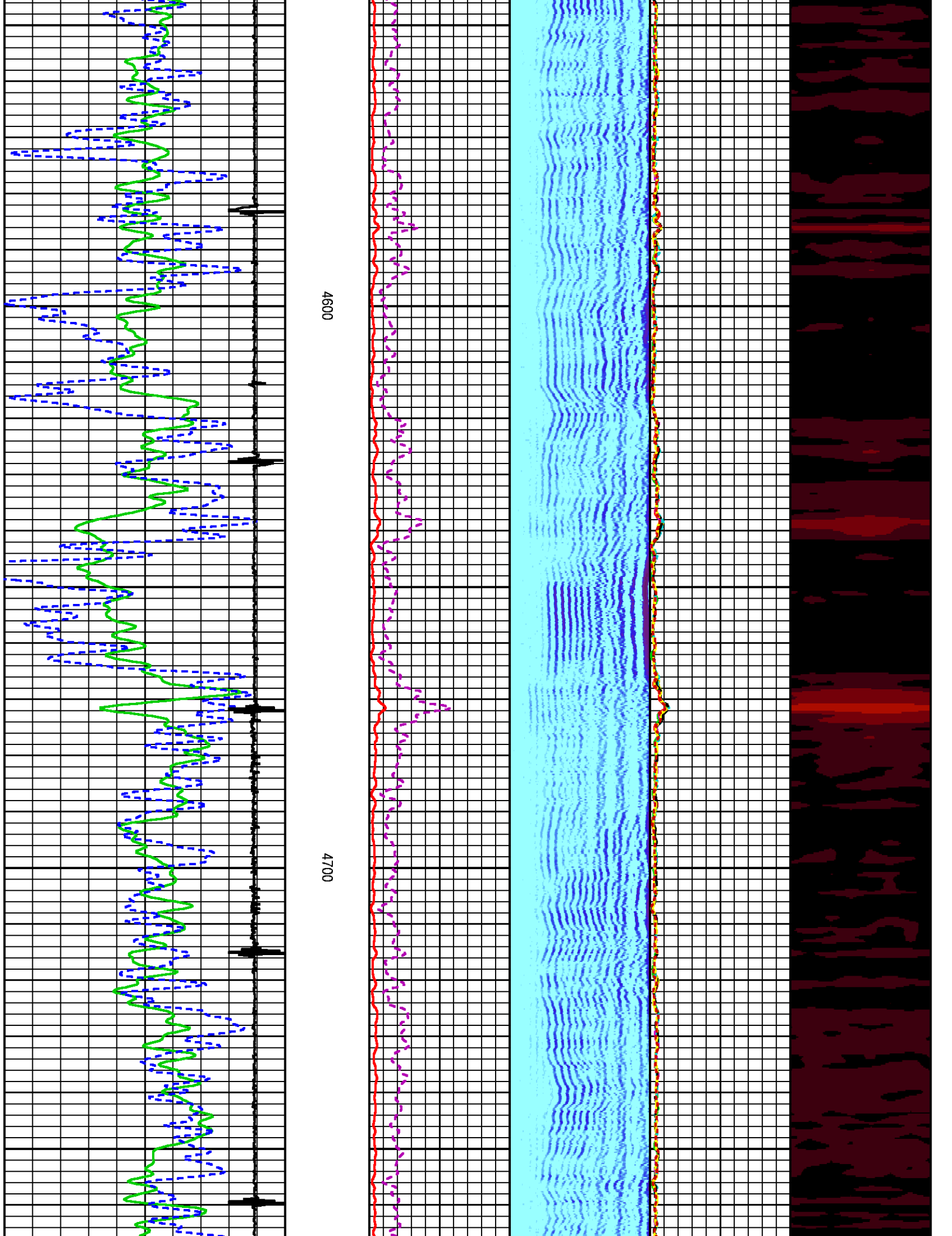


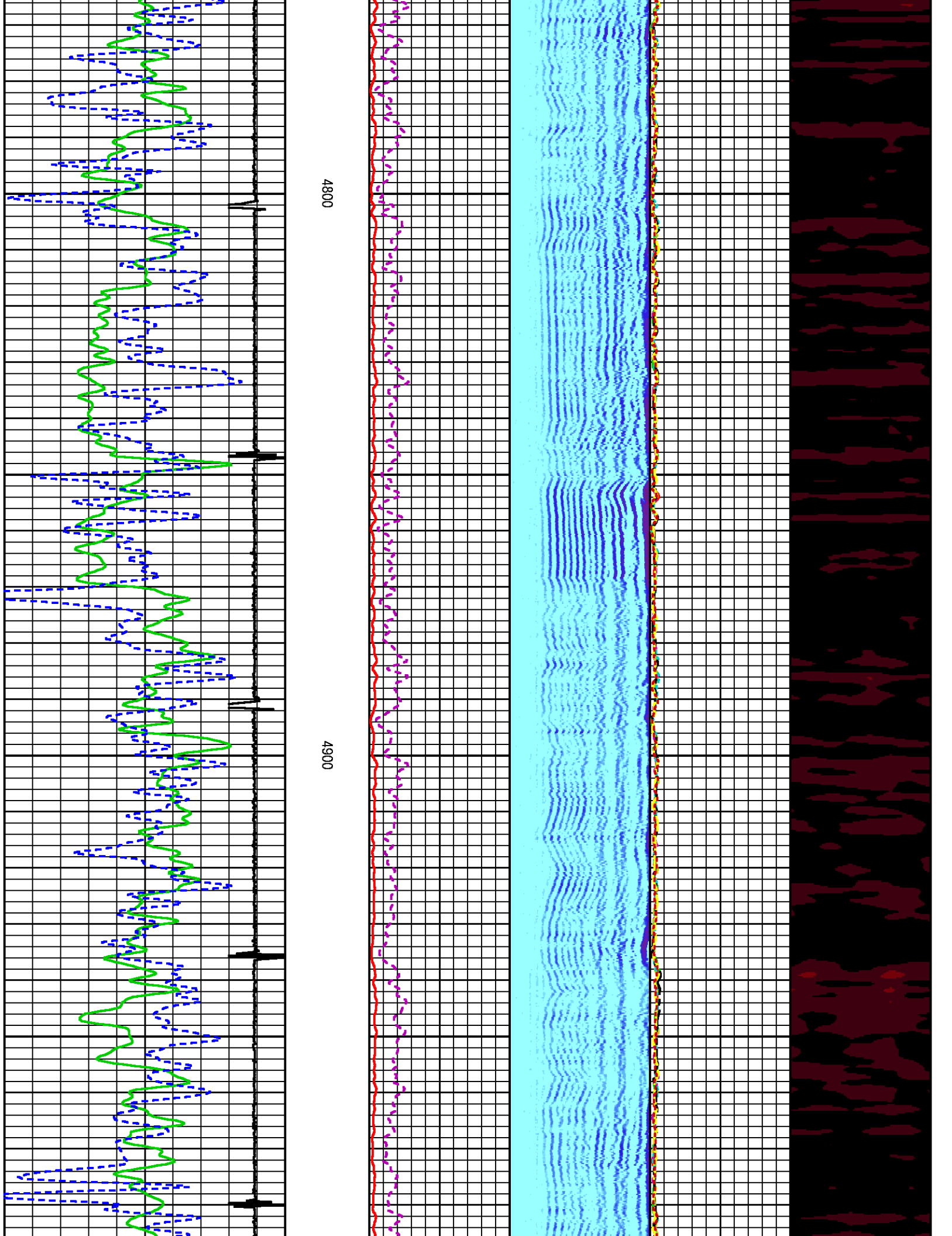


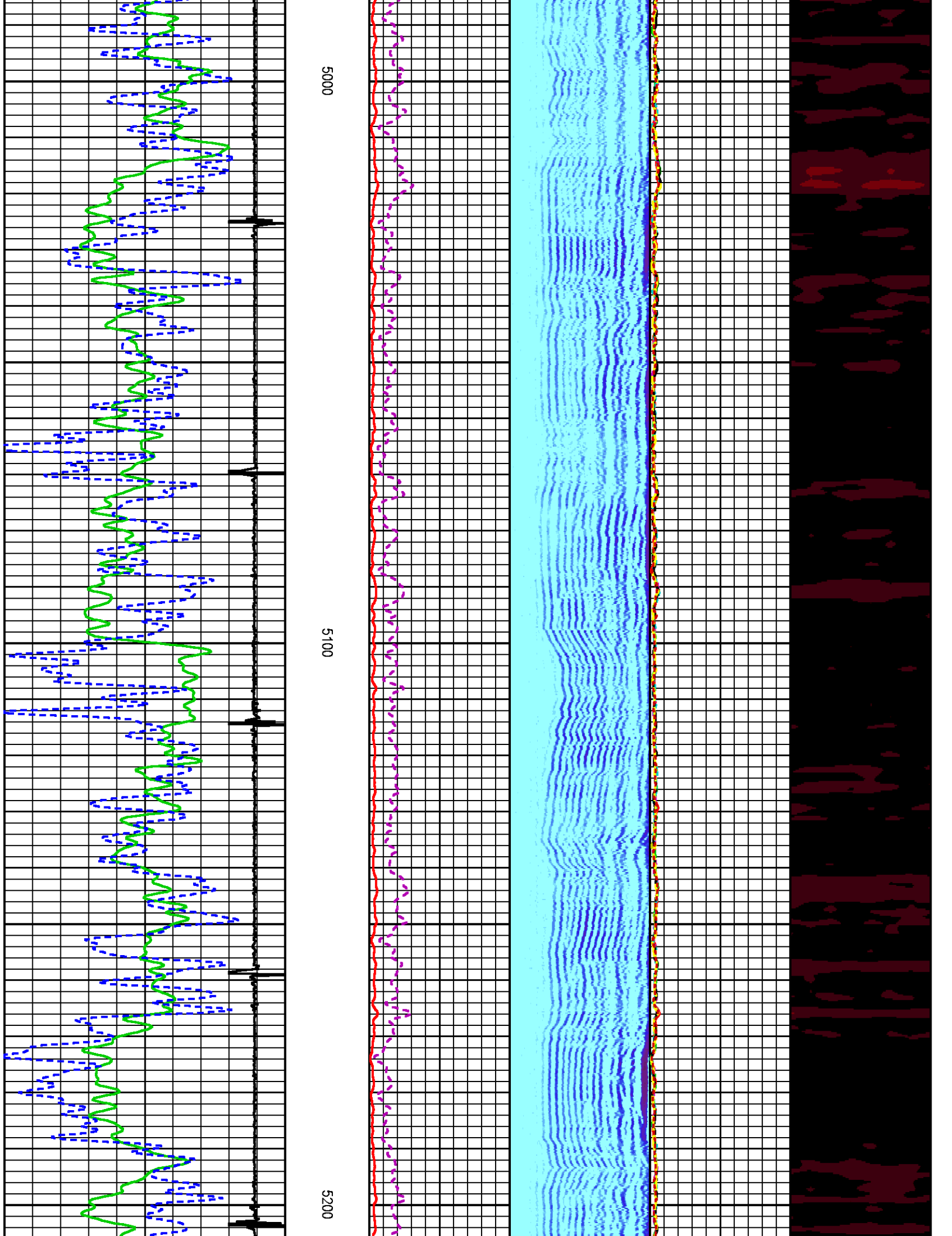
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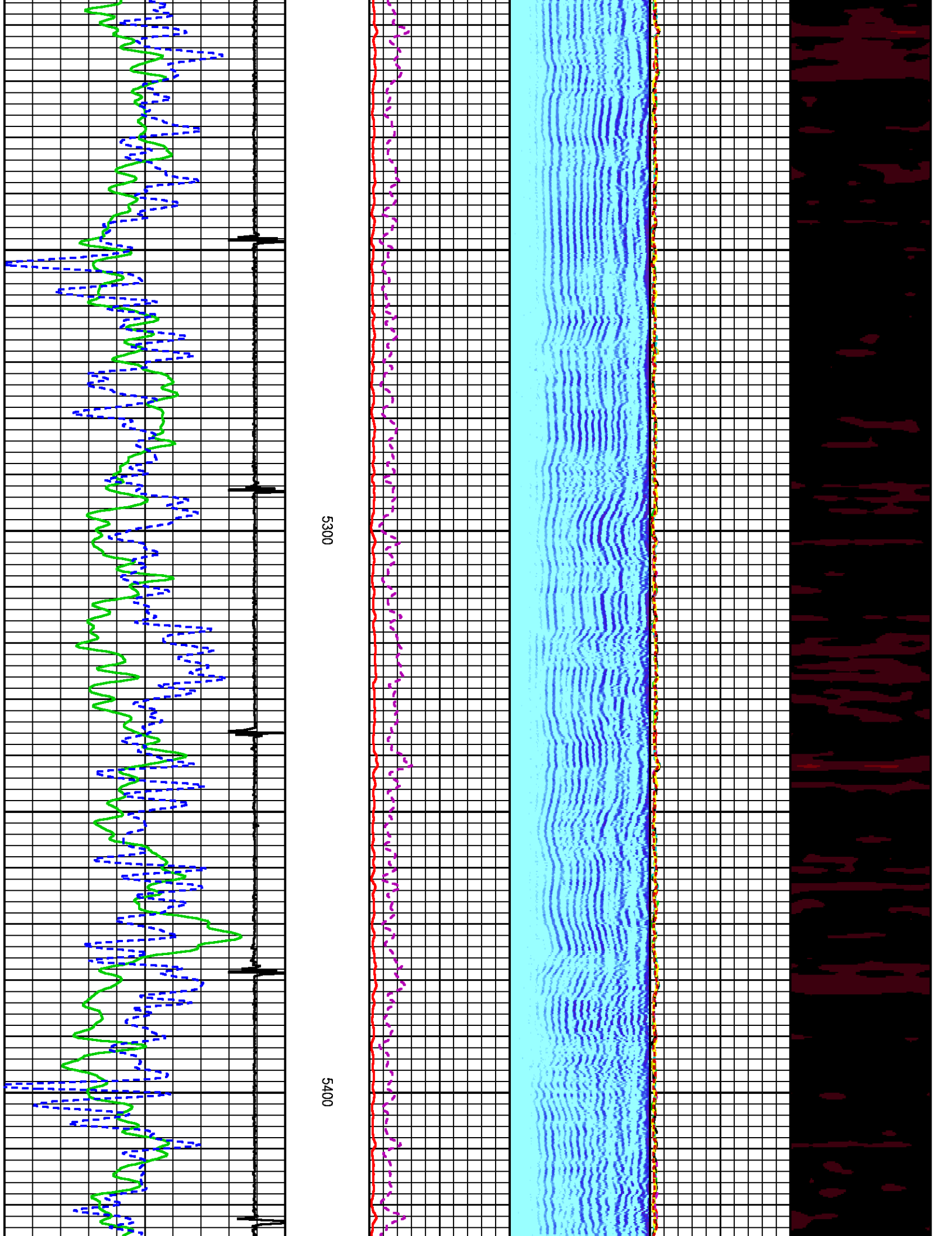
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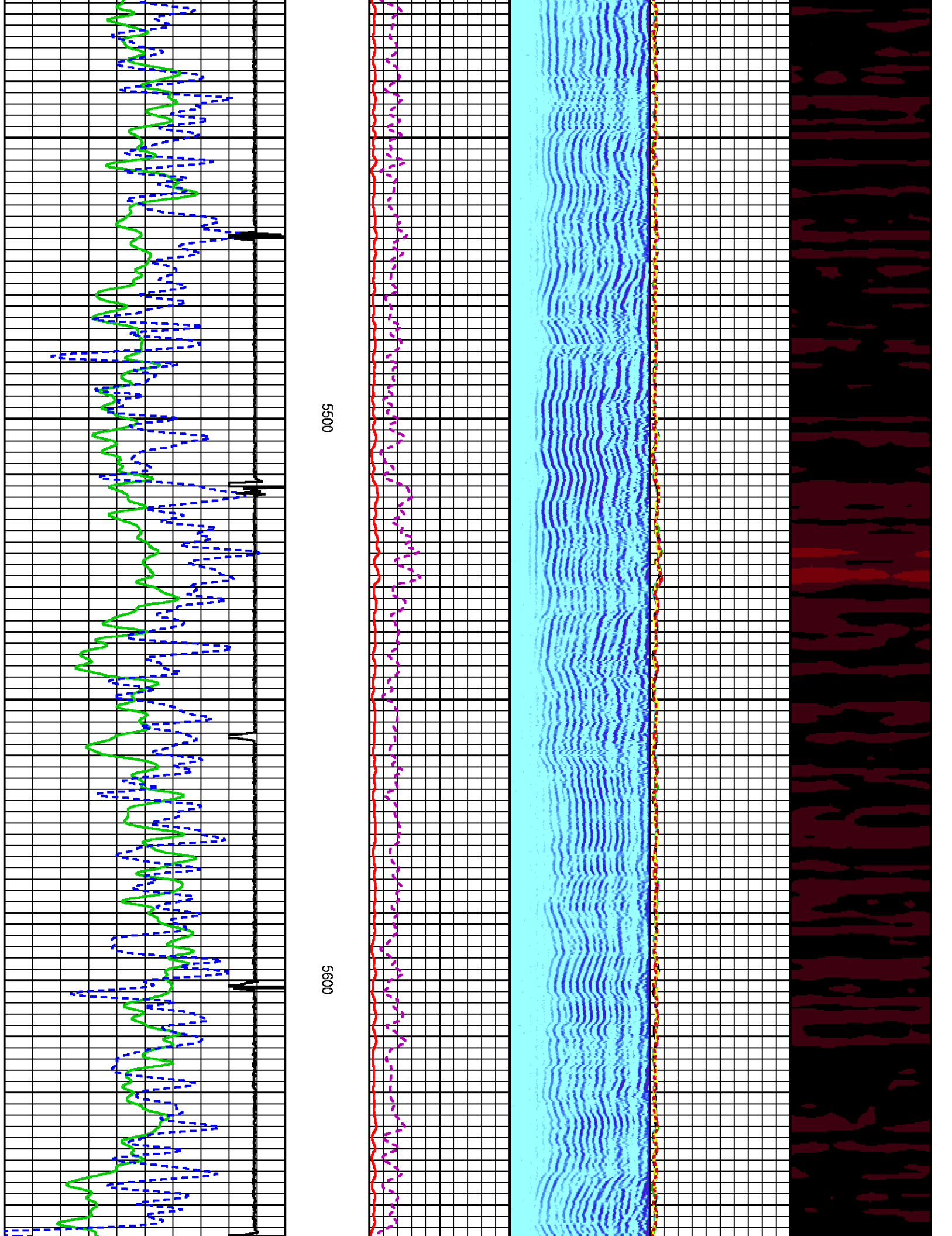


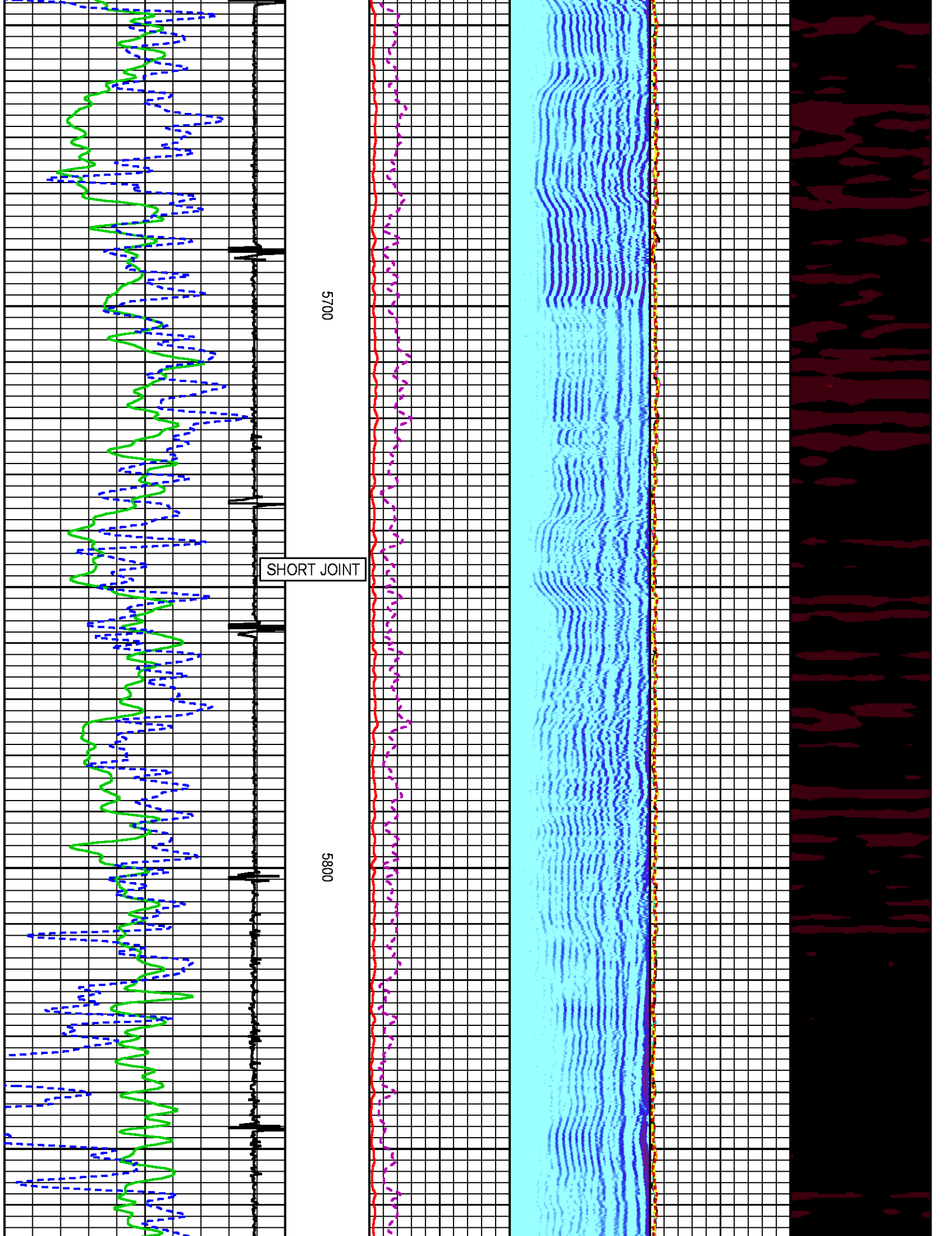


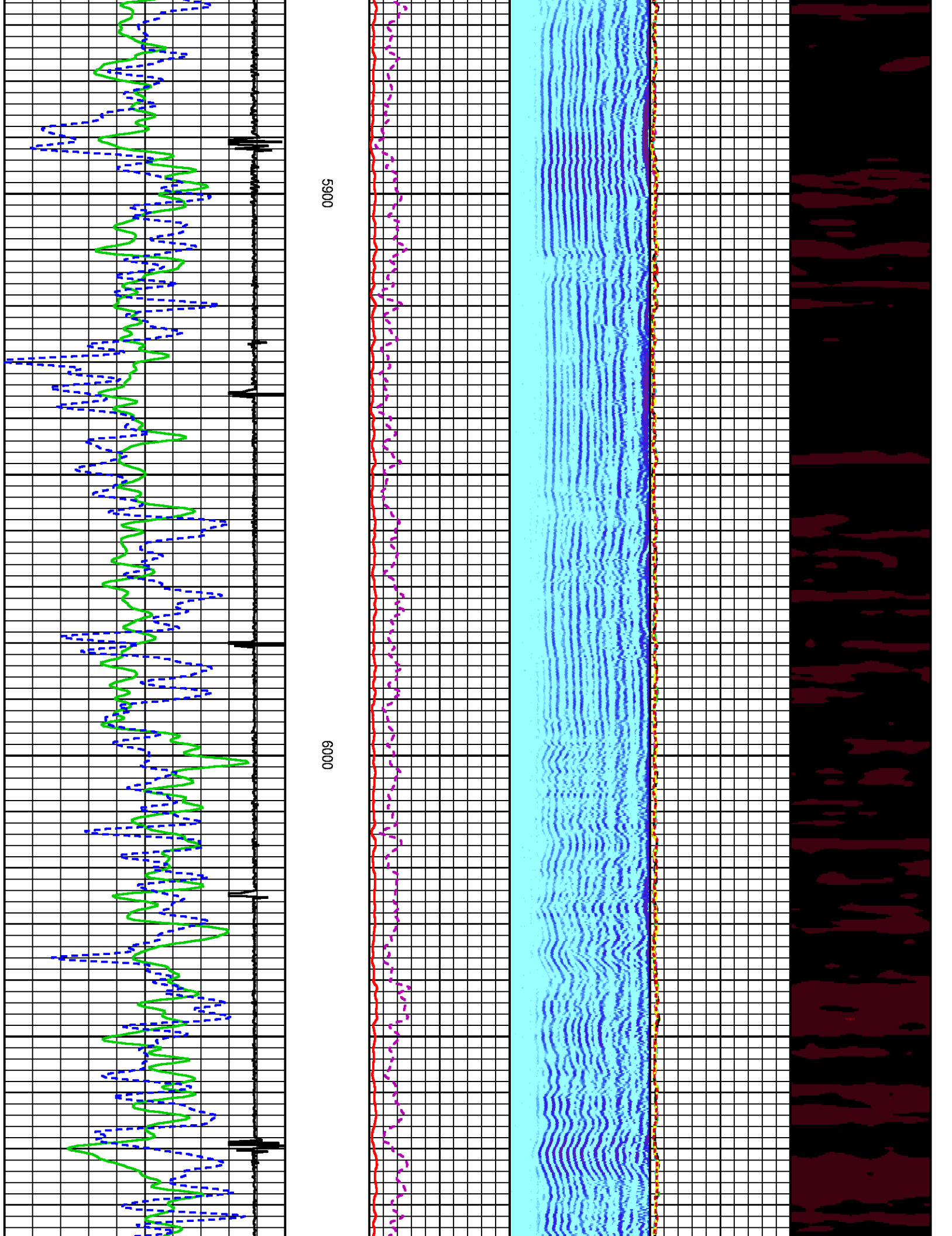


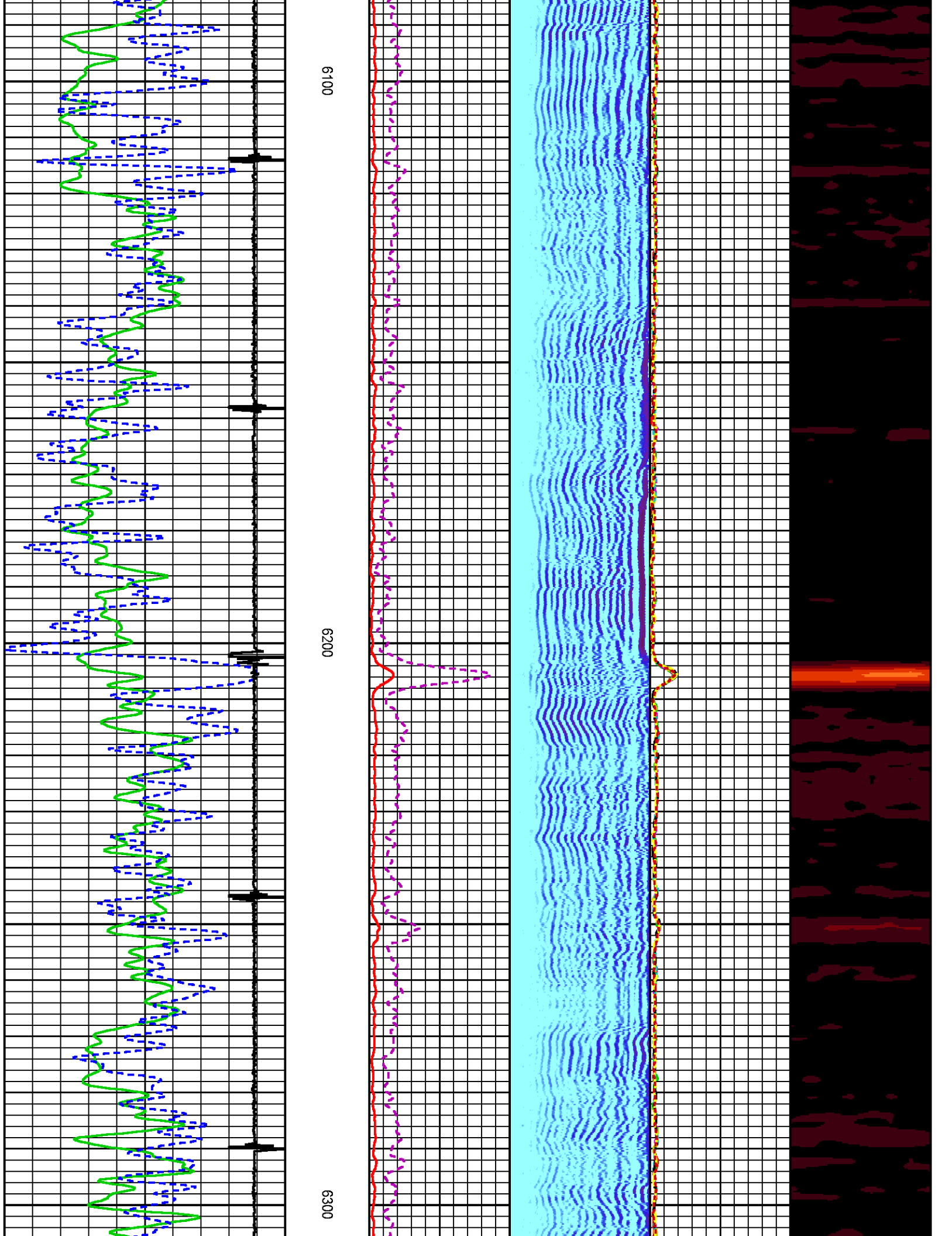


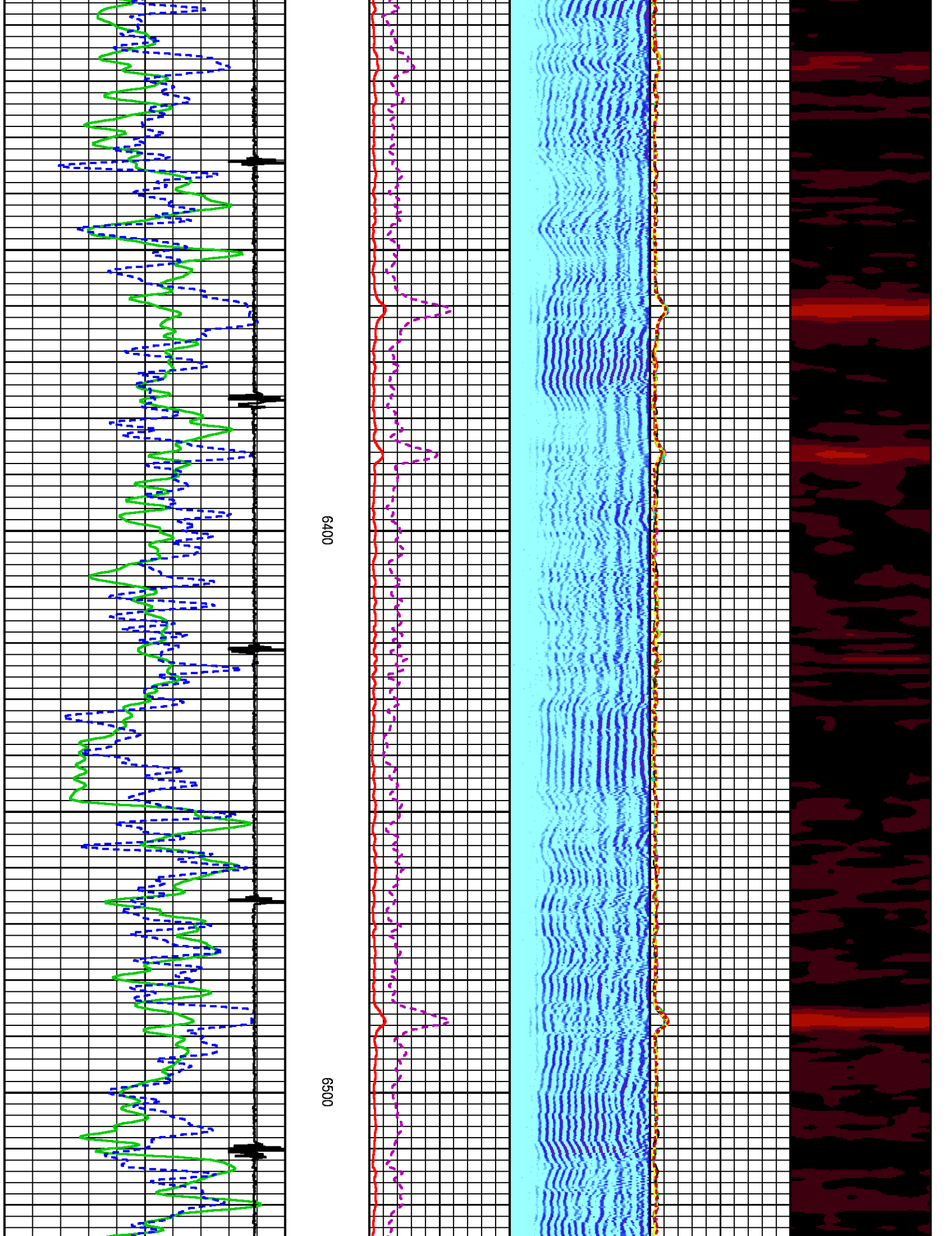


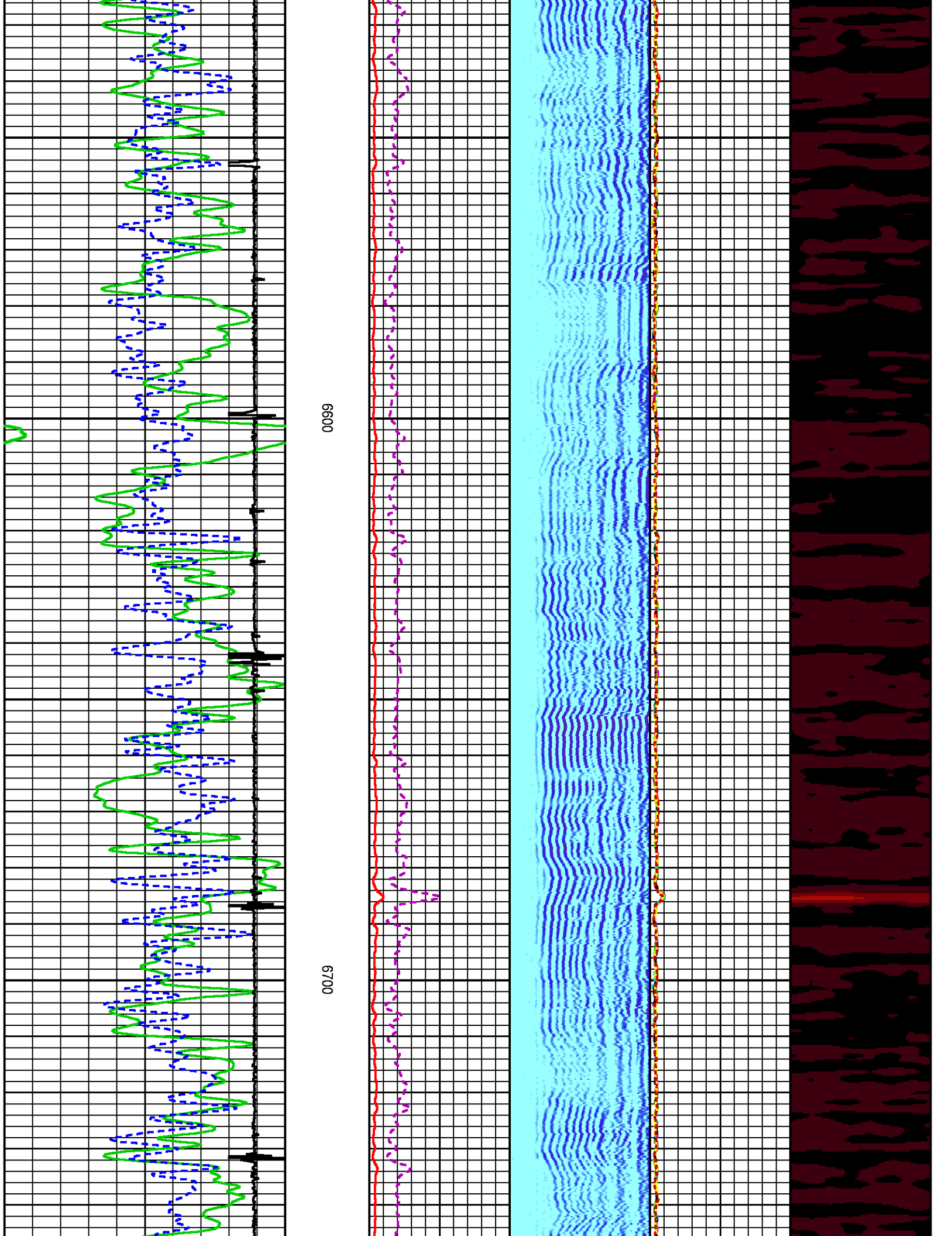


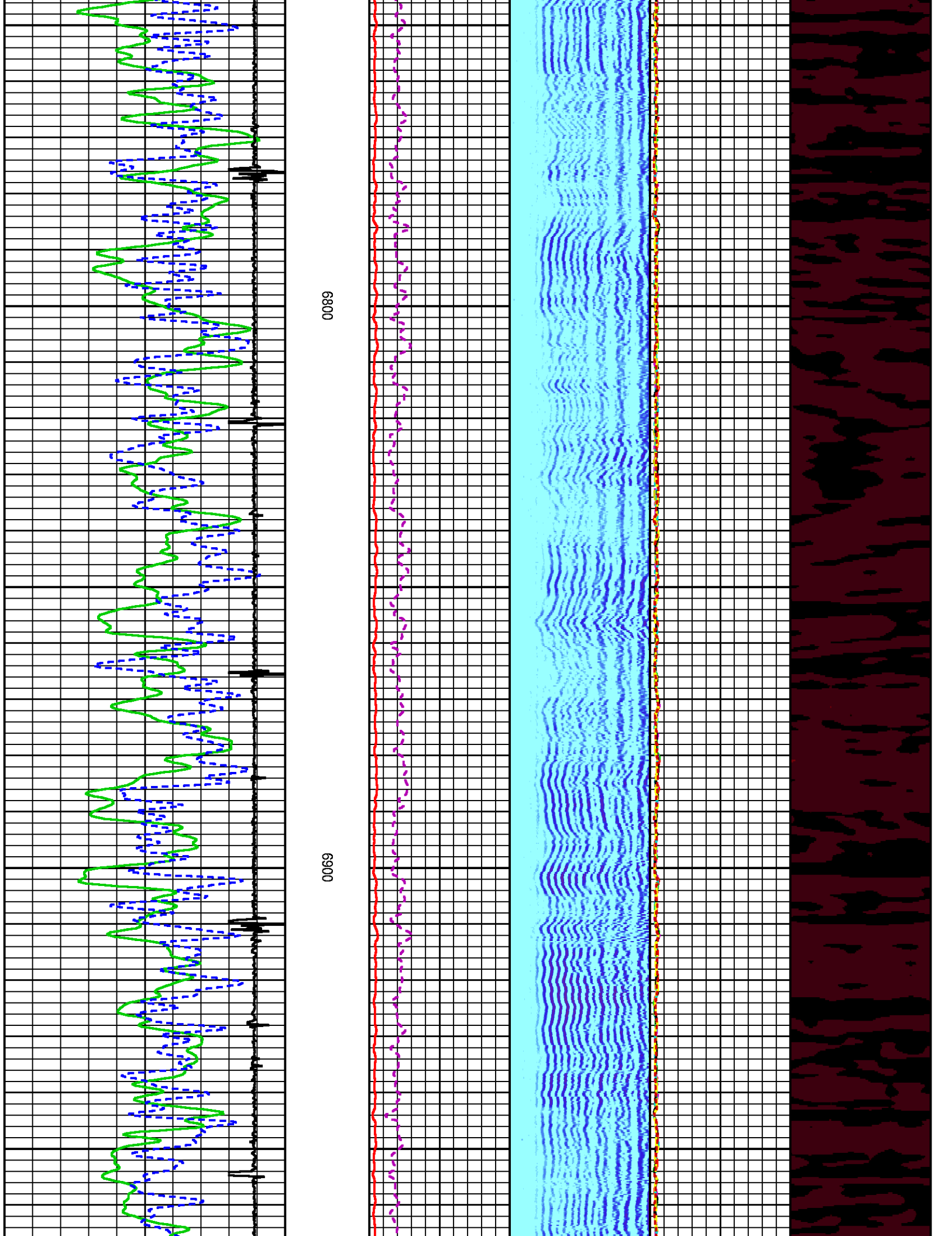


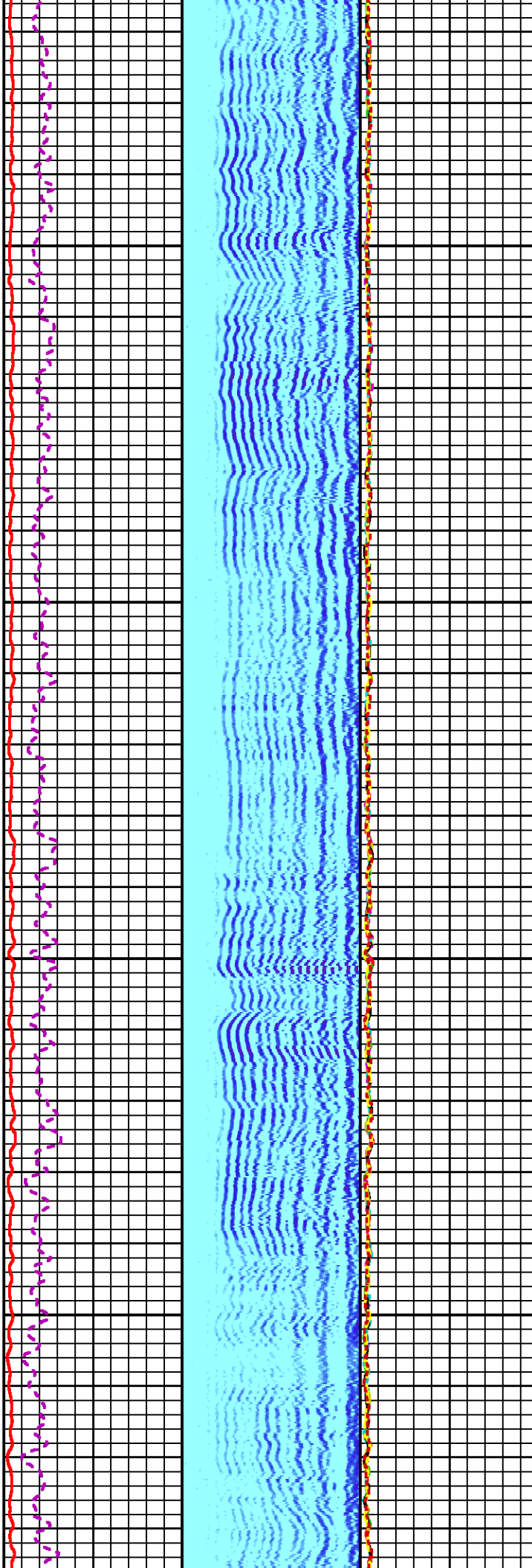
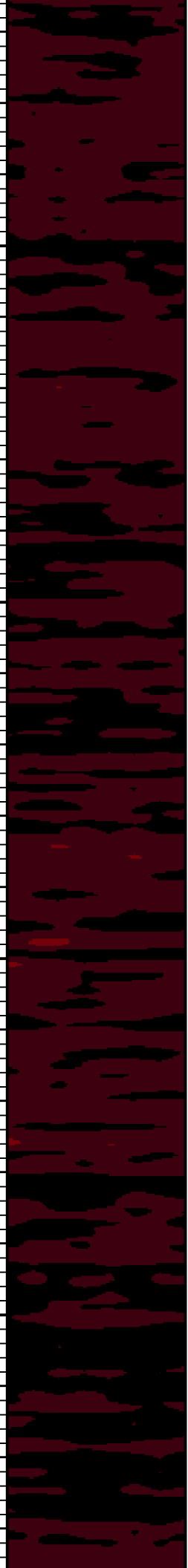






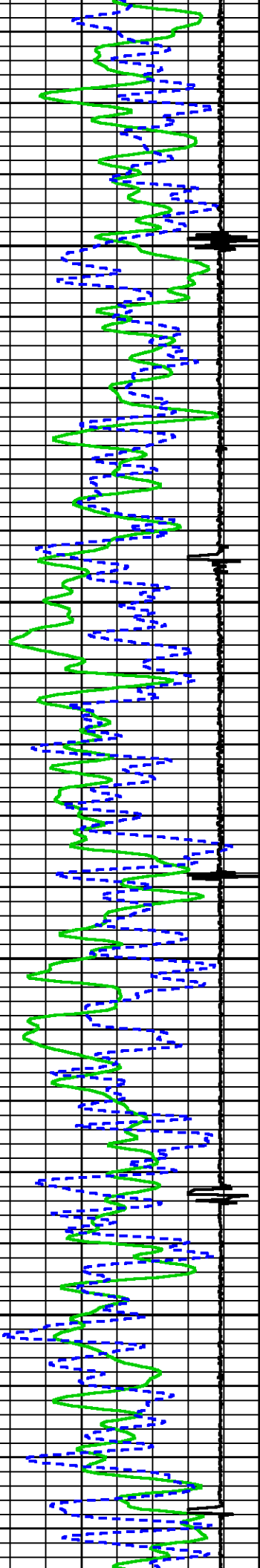


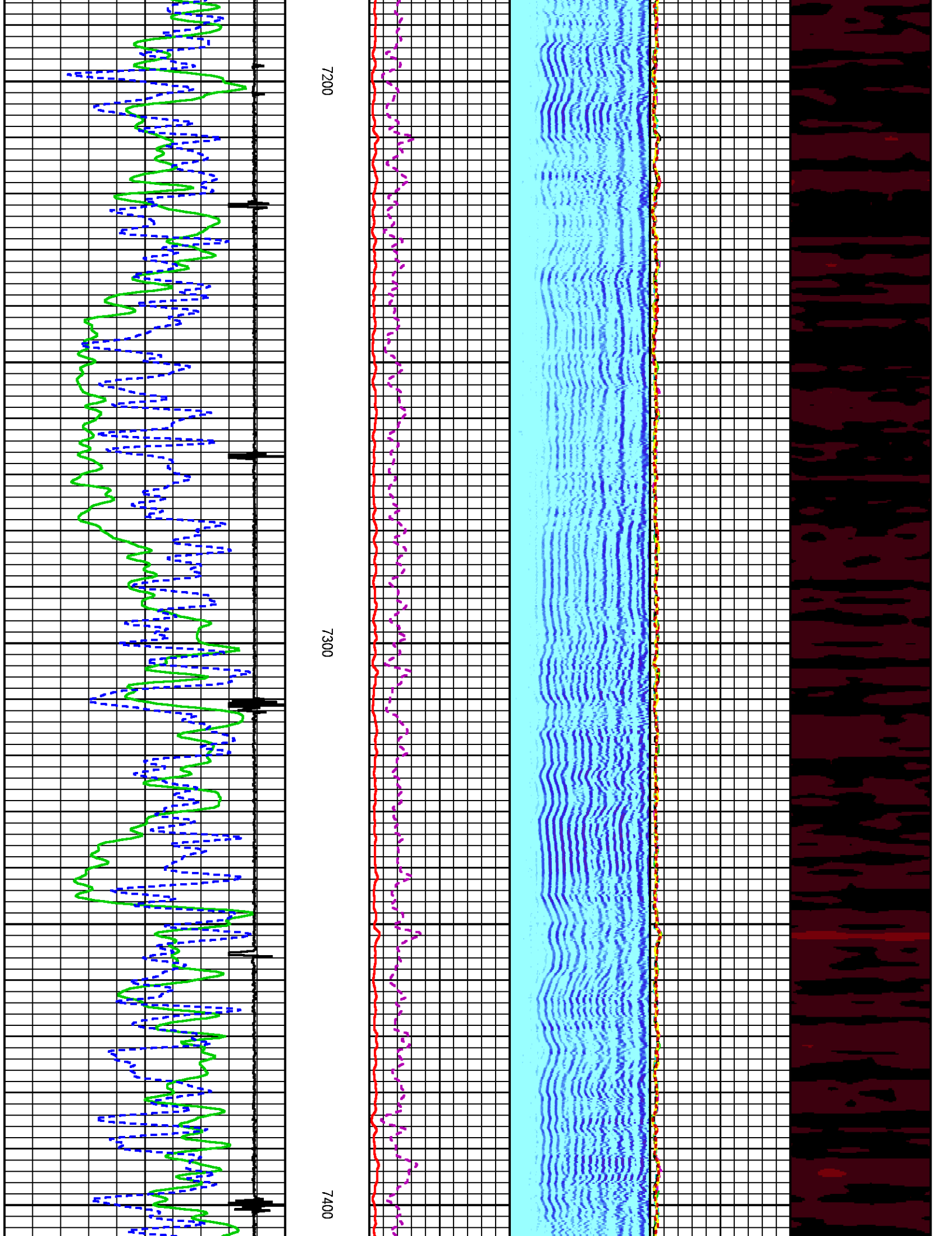


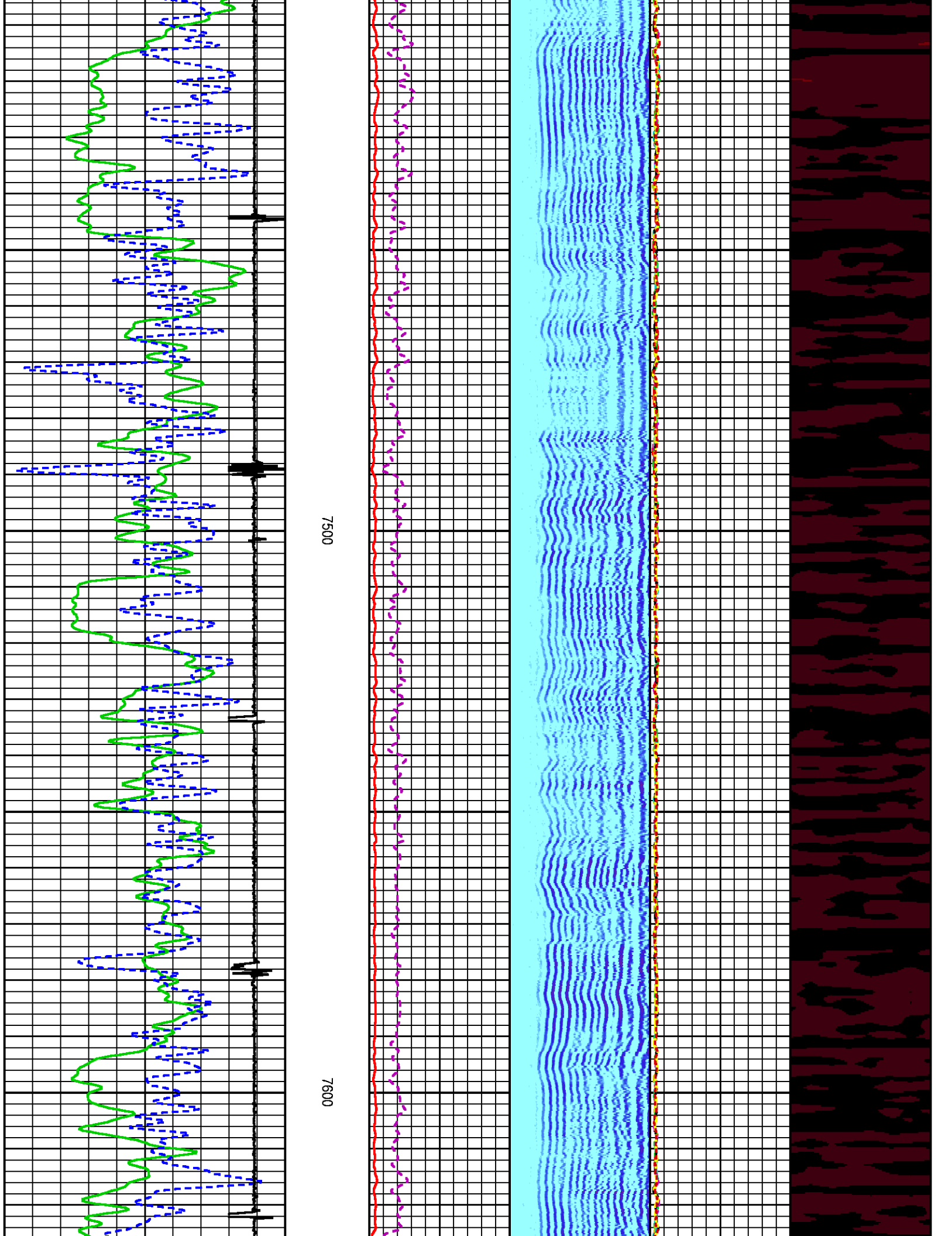


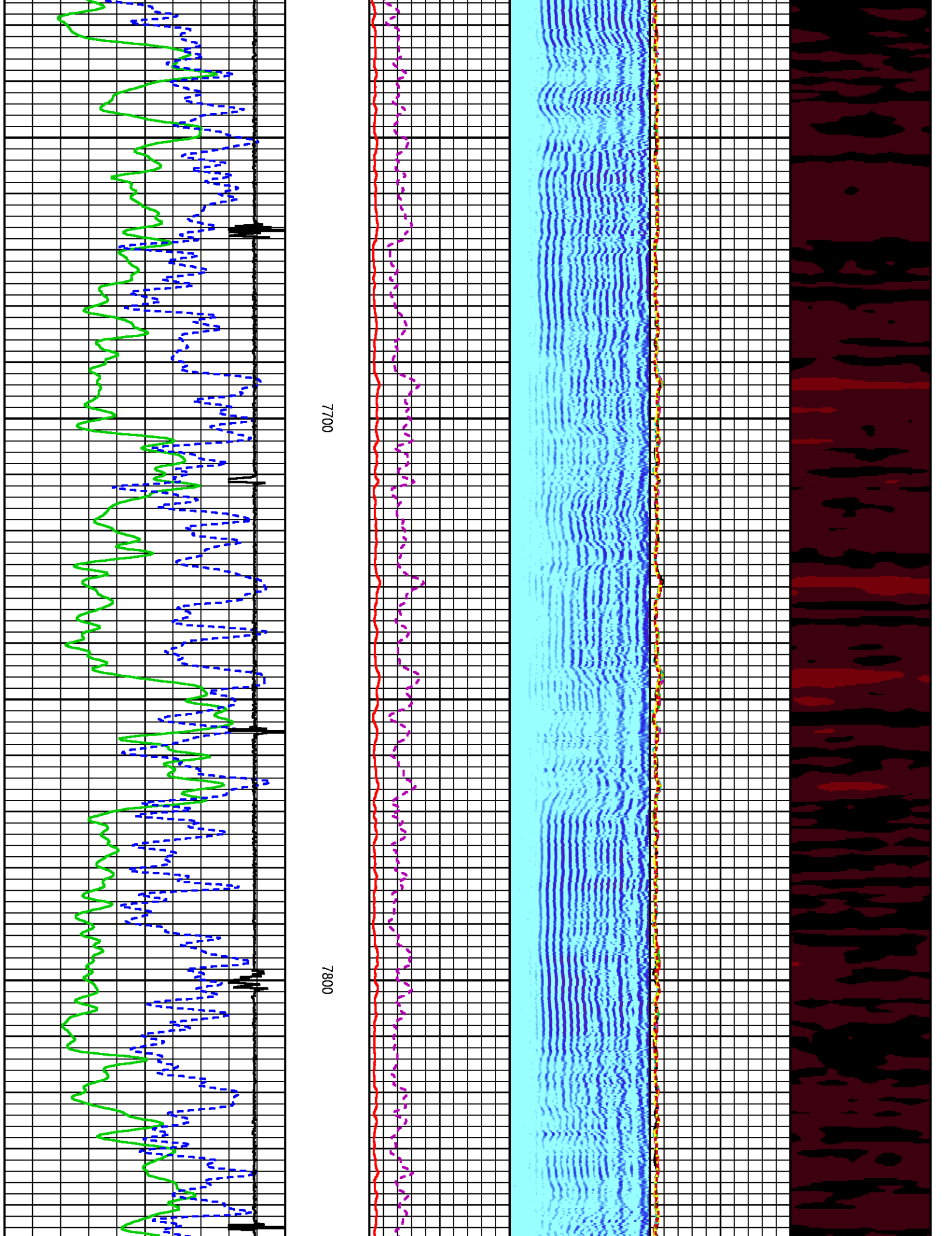
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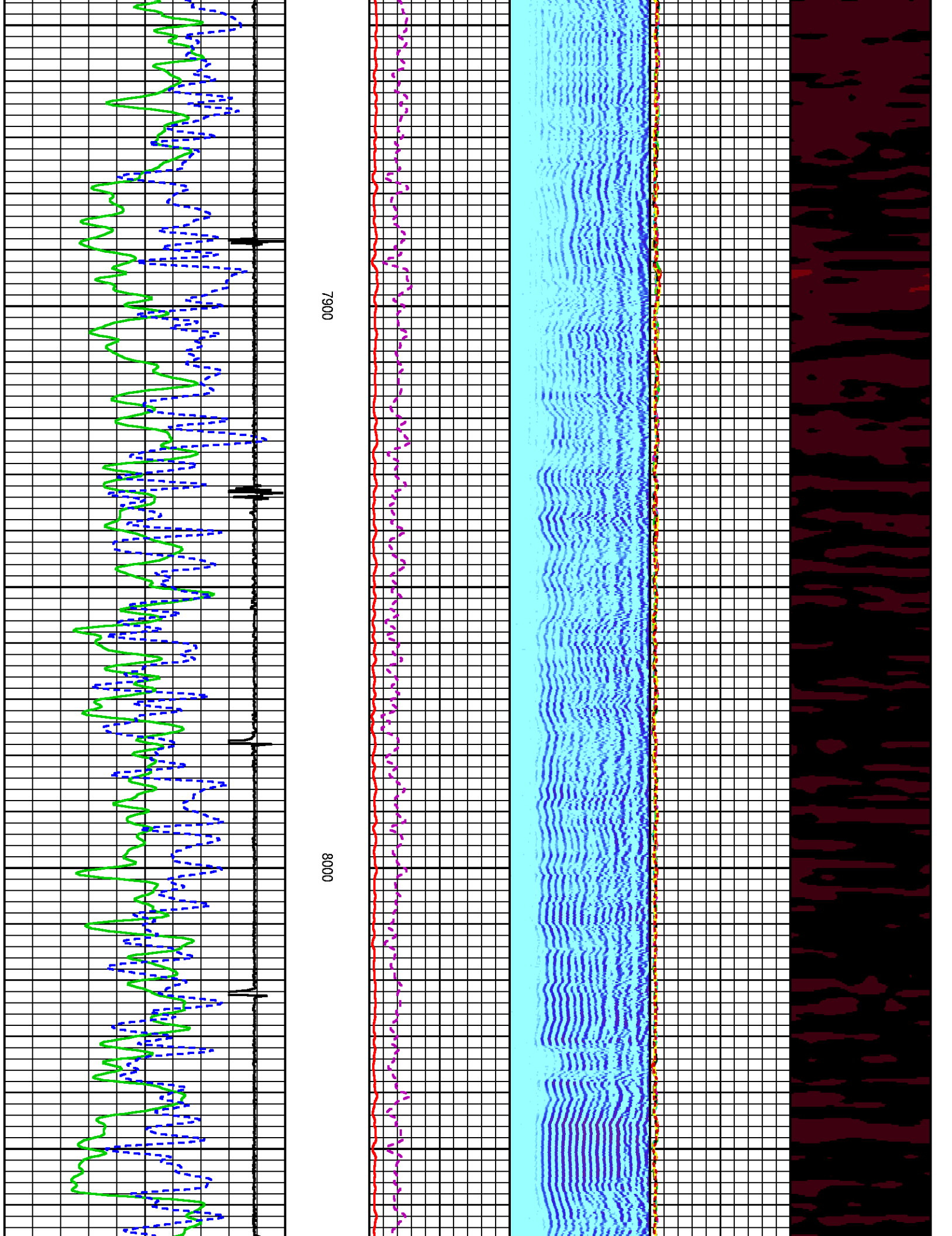
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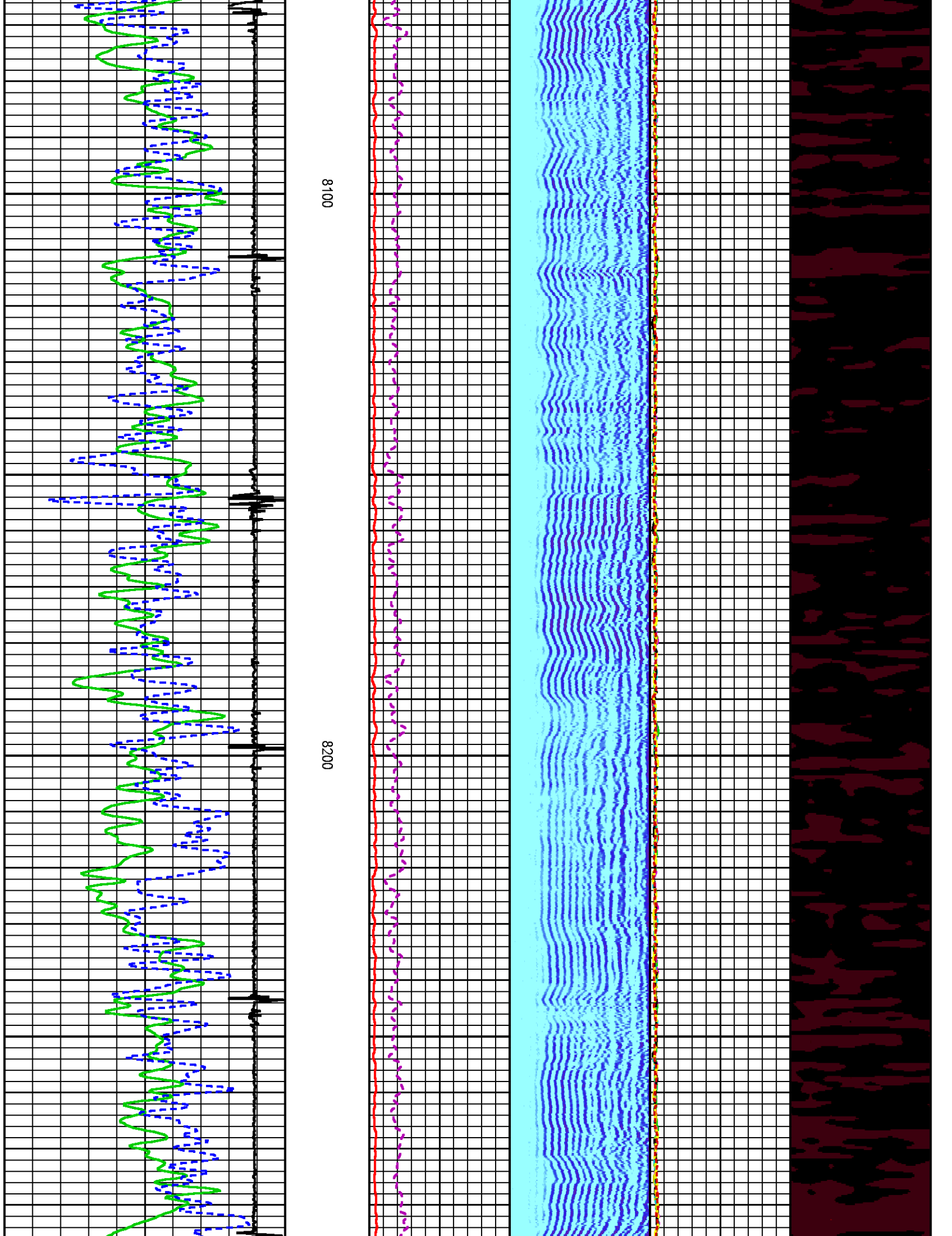


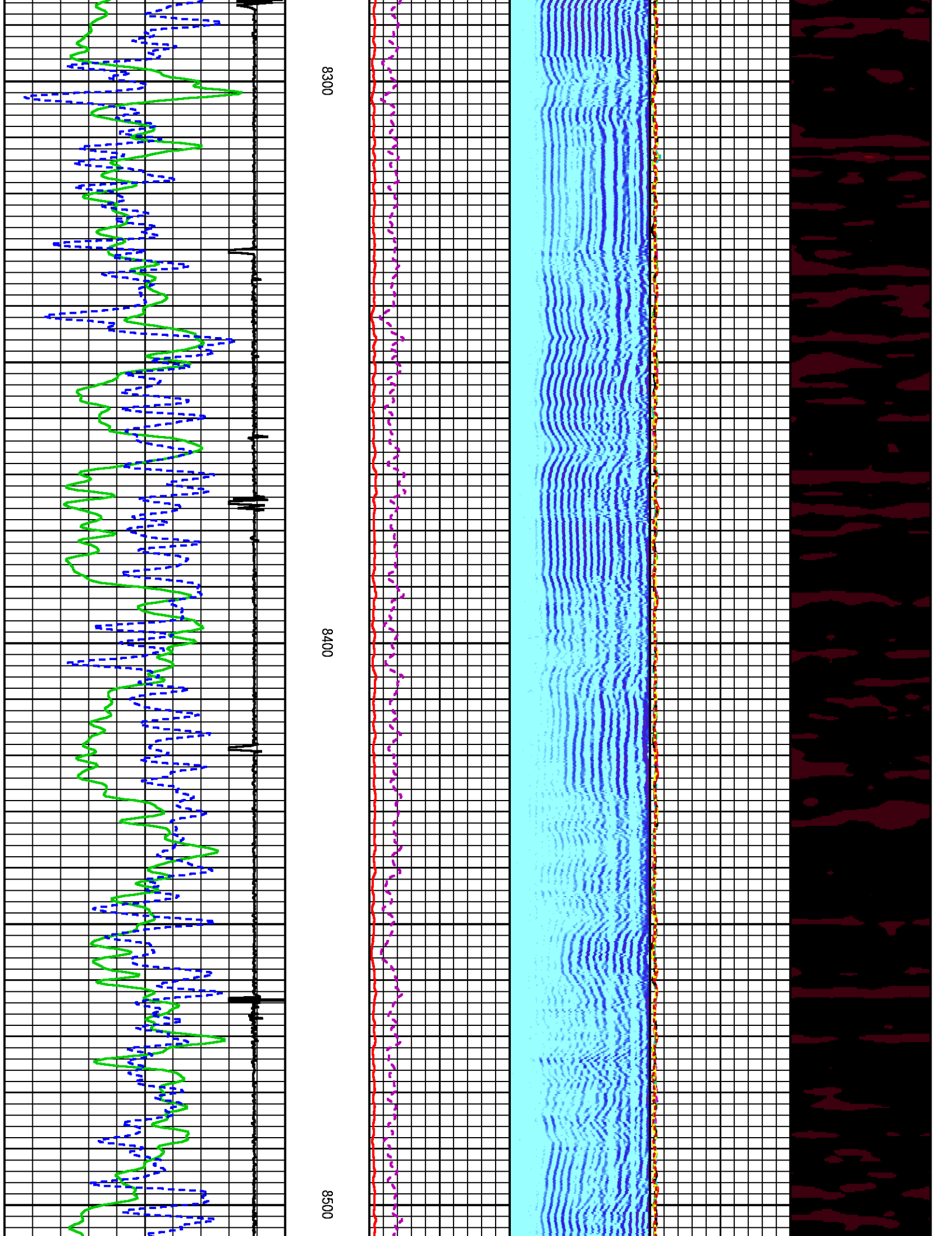


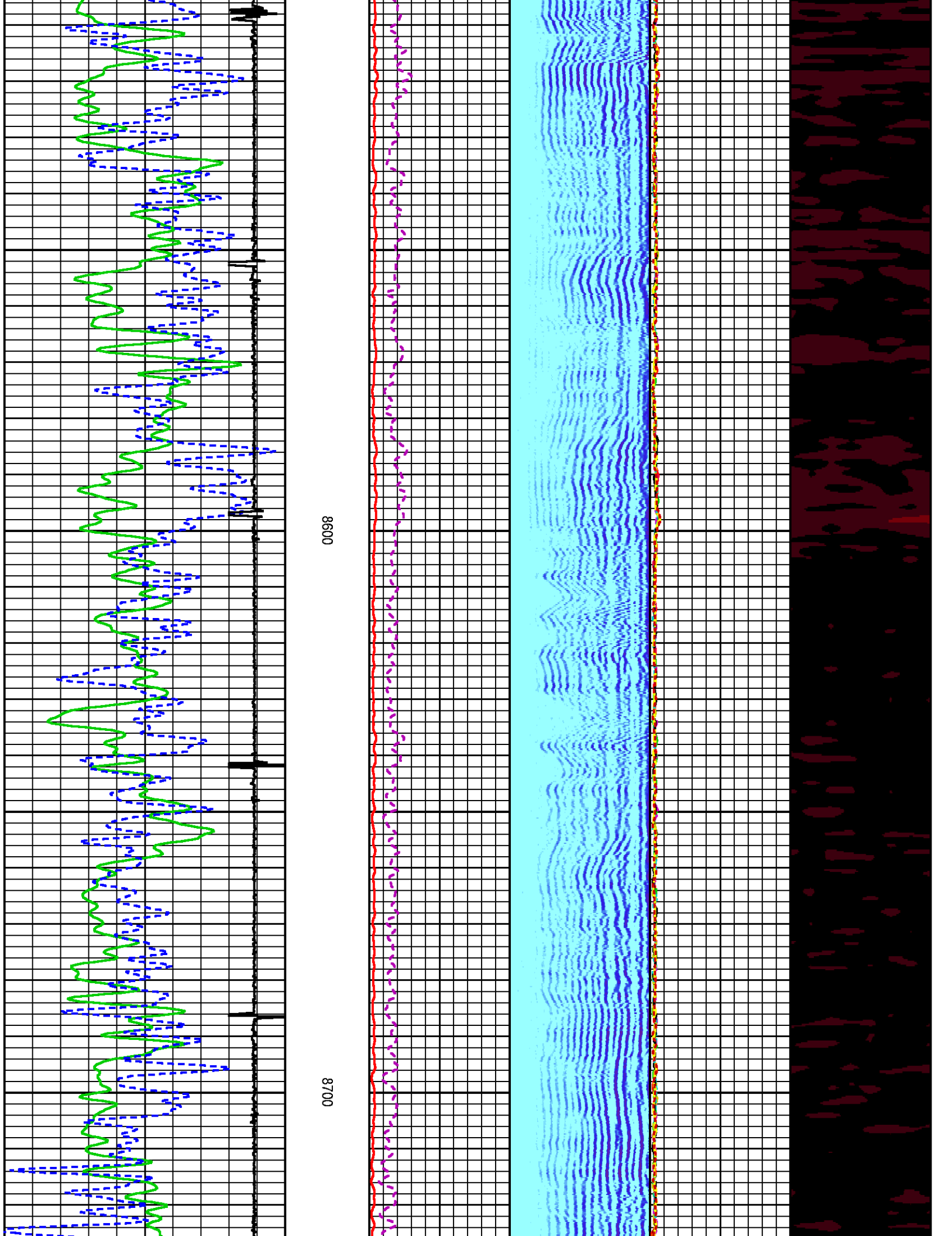


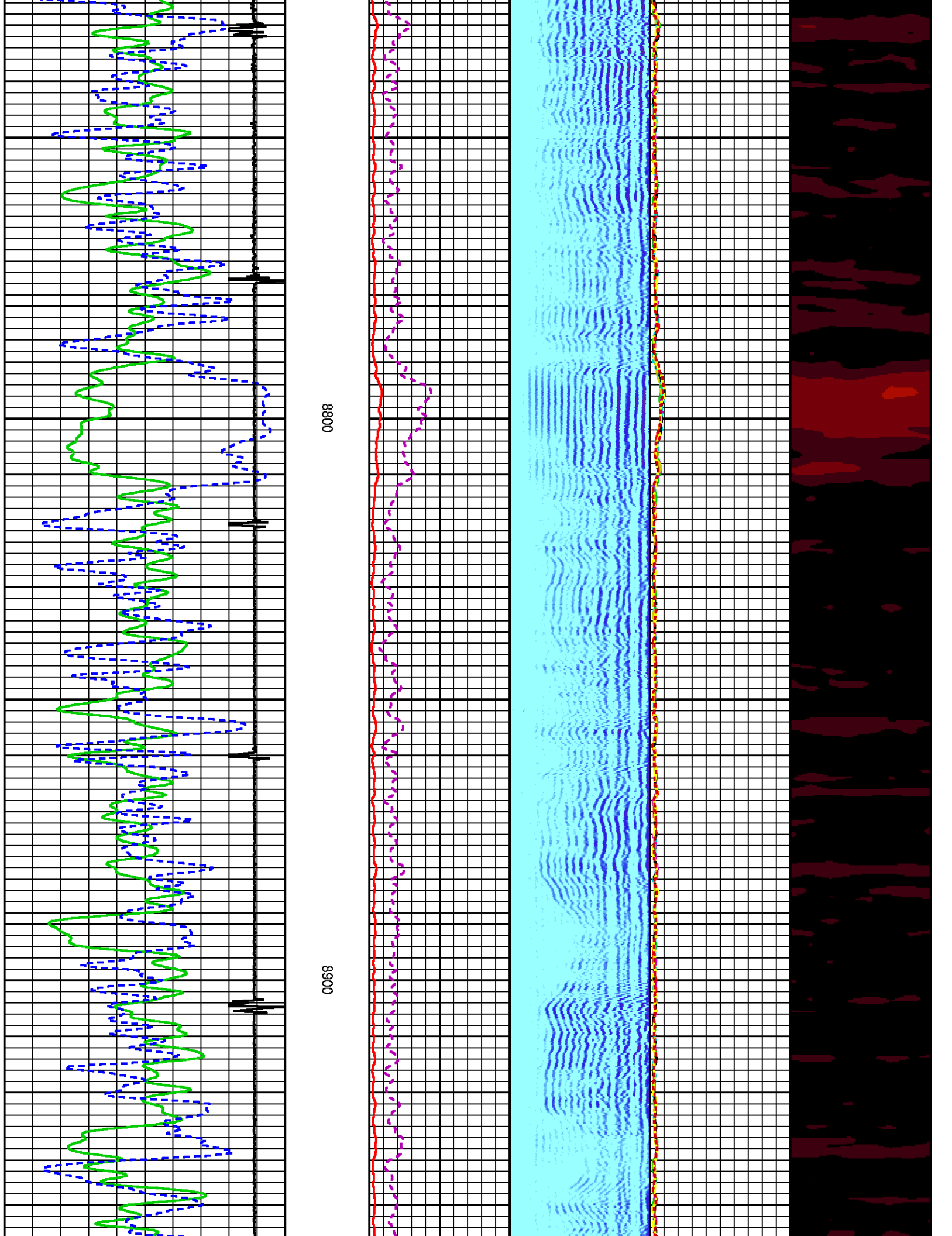


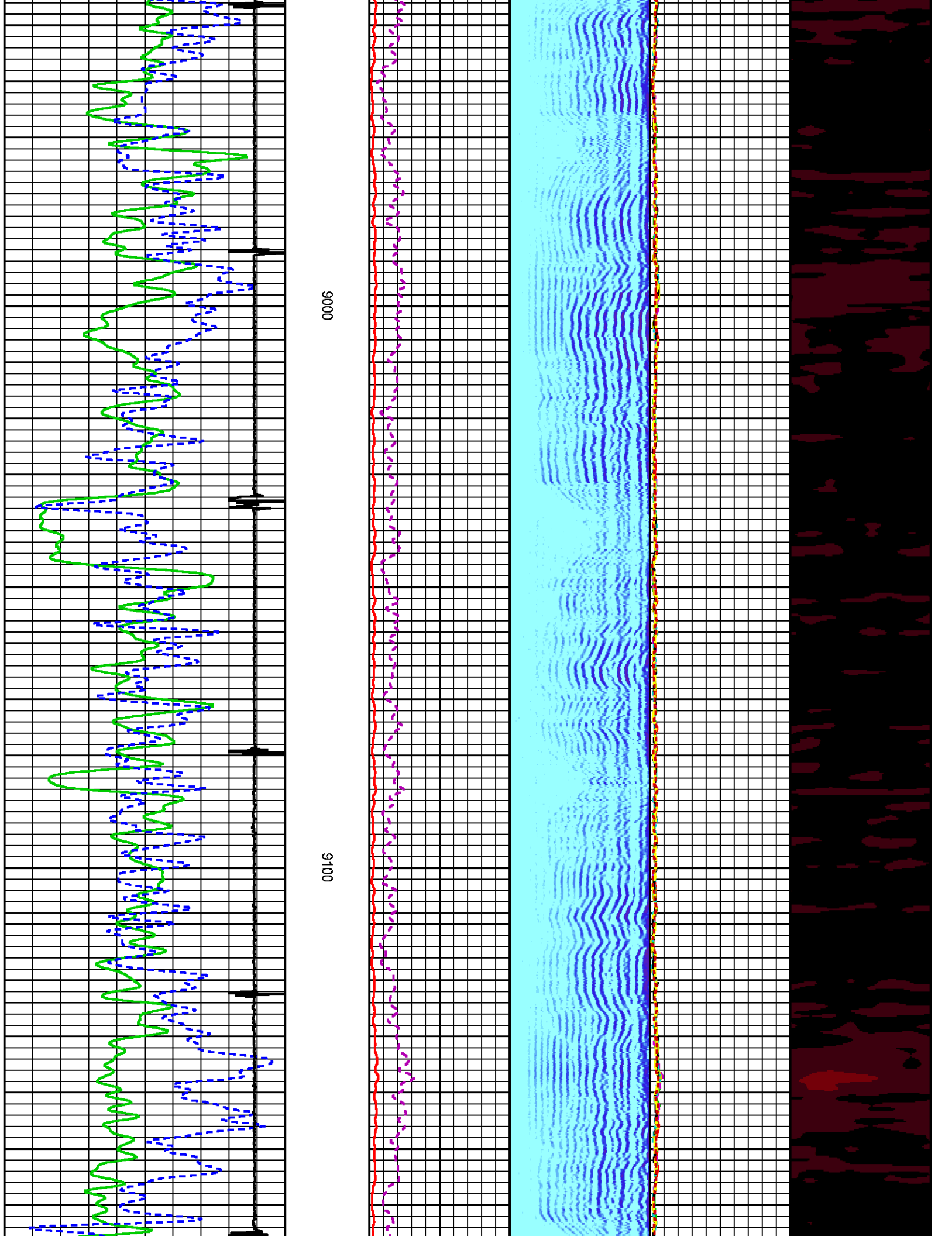


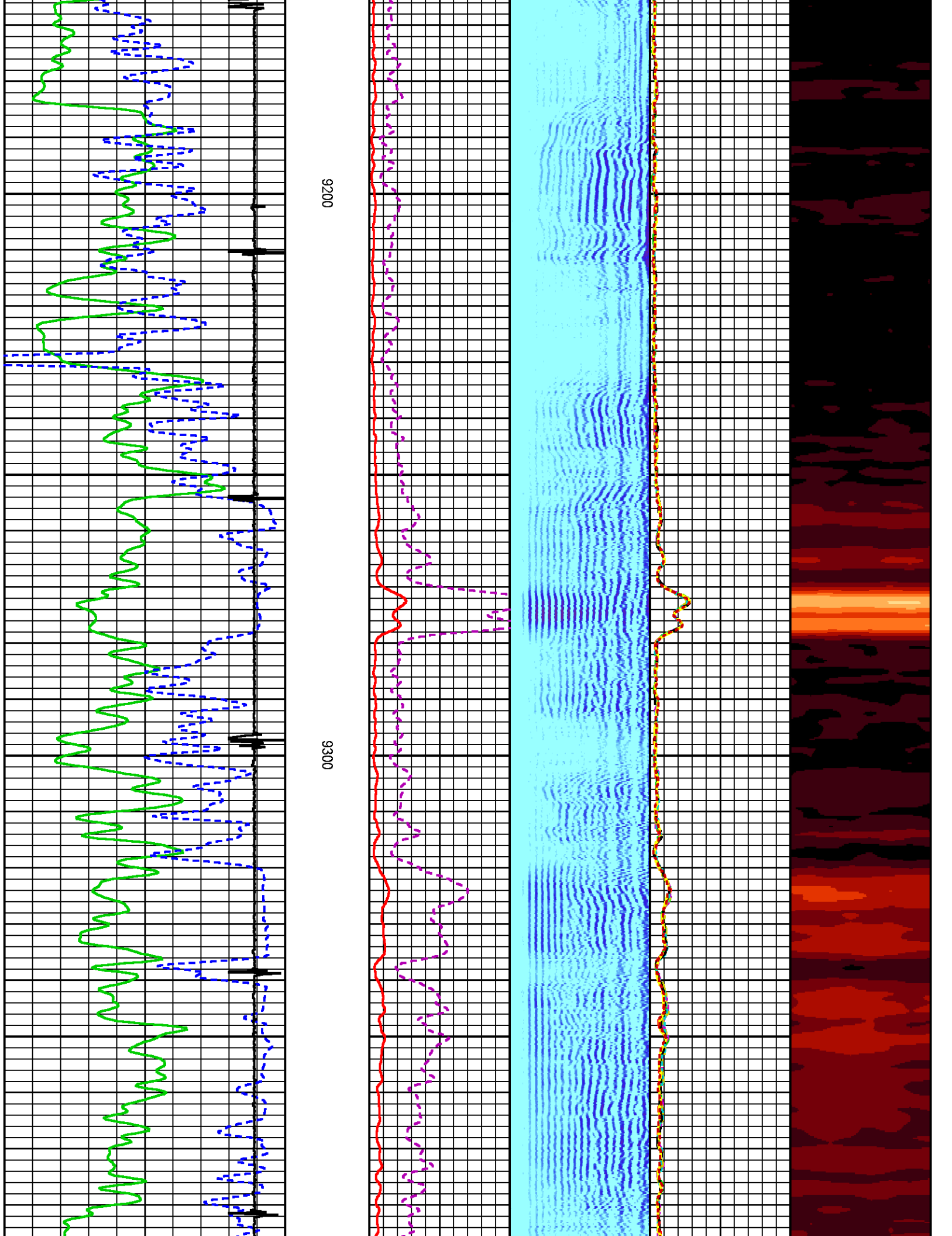


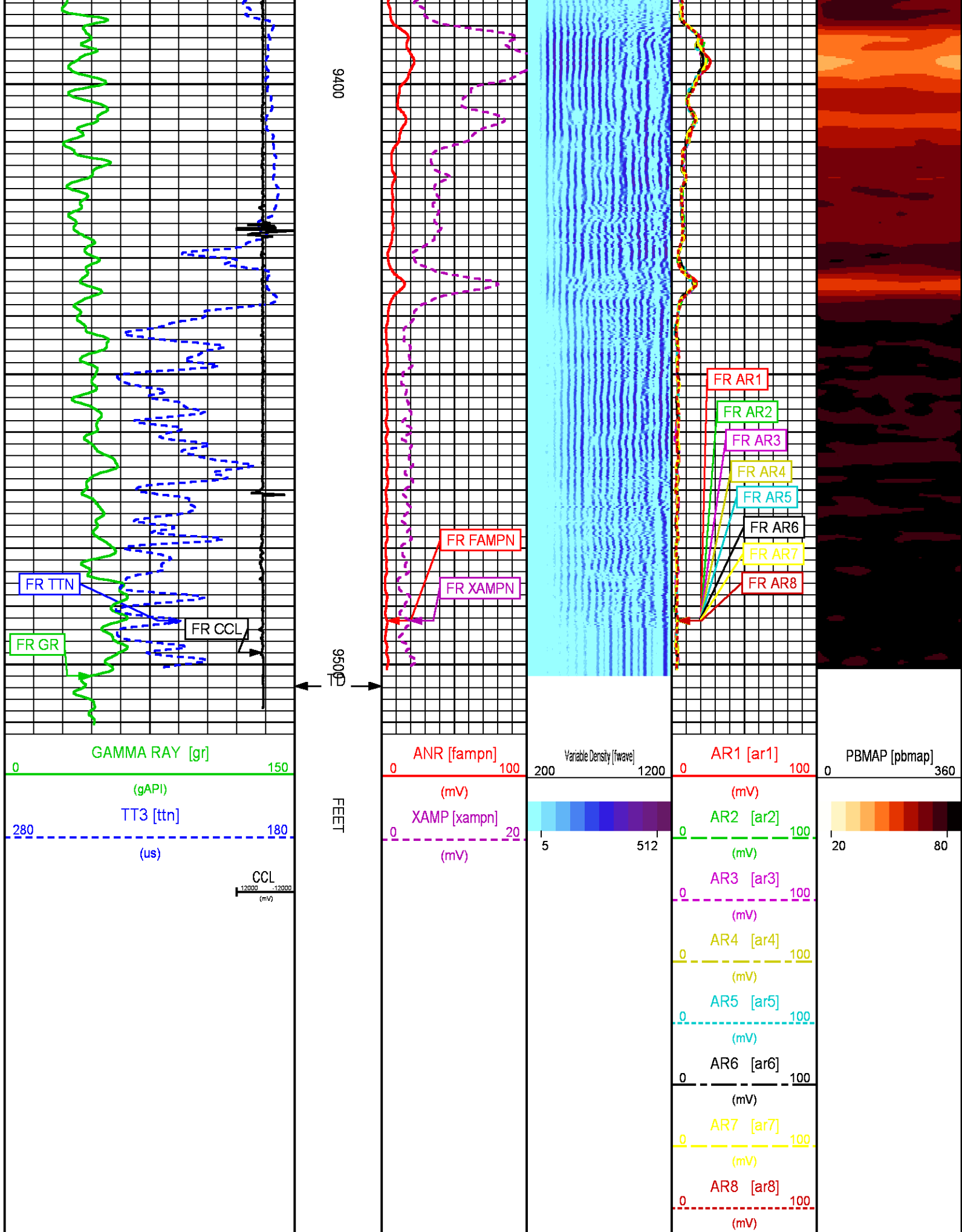












CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/TEP_YOUBERG_RU_421_7/RAL.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10154957 DATE/TIME PERFORMED: Thu Oct 20 15:25:14 2016

UNIT #: 3880TA HL6670

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

	NEAR	R1	R2	R3	R4	R5	R6	R7	R8	FAR	CAL
ZERO (mV)	1.90	2.55	2.49	2.44	2.30	2.51	2.30	2.50	2.41	6.21	-0.02
AMP FLUID (mV)	84	84	84	84	85	83	82	82	82	113	87
TT (us)	211	211	210	210	211	211	211	210	212	318	211
M FACTOR	1.22	1.23	1.22	1.22	1.21	1.24	1.25	1.26	1.25	1.41	1.15

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10154957 DATE/TIME PERFORMED: Thu Oct 20 15:26:48 2016 DAYS SINCE CAL: 0

UNIT #: 3880TA HL6670 CABLE #: 6670SM SMALL6670

	NEAR (mV)	R1 (mV)	R2 (mV)	R3 (mV)	R4 (mV)	R5 (mV)	R6 (mV)	R7 (mV)	R8 (mV)	FAR (mV)	CAL (mV)
ZERO	0.08	-0.67	-0.77	-0.73	-0.65	-0.70	-0.66	-0.88	-0.60	-0.02	-0.04
AMP AIR	1.47	1.83	2.06	1.89	1.83	1.92	1.87	2.42	2.05	1.56	100.50

SHOP M FACTOR	SHOP A FACTOR	WIRELINE FACTOR
1.15	0.00	0.99

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 110827 DATE/TIME PERFORMED: Mon Oct 17 17:13:52 2016

UNIT #: 3882TD HL6741 CALB JIG #: 4702NK BA-856

	BACKGROUND (cts)	CALBRTR ON (cts)	CR DIFF (cts/s)	MULT	BACKGROUND (gAPI)	CALBRTR ON (gAPI)	CALBRTR (gAPI)
GR	38.04	233.16	195.1	0.513	19.50	119.50	100

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 110827 DATE/TIME PERFORMED: Mon Oct 17 17:15:00 2016

UNIT #: 3882TD HL6741 VERI JIG #: 4702NK BA-856

	BACKGROUND	CALBRTR ON	MULT	BACKGROUND	CALBRTR ON	DIFF.
	(cts)	(cts)		(gAPI)	(gAPI)	(gAPI)
GR	39.20	238.58	0.513	20.09	122.28	102.19
						90.00 110.00

INSTRUMENT CONFIGURATION

Source File: /dat1a/TEP_YOUBERG_RU_421_7/n012g~tdg

CABLEHEAD

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

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



20.38'

NEAR RCVR 11.17'

FAR RCVR 10.21'

CCL 5.79'

GR 1.67'

TEMP 0.17'

TOTAL LENGTH: 20.38'
TOTAL WEIGHT: 235 lbs
MAX DIAMETER: 0'4.00"



COMPANY
WELL
FIELD
COUNTY

TEP ROCKY MOUNTAIN LLC
YOUBERG RU 421-7
RULISON
GARFIELD

STATE COLORADO

FILE NO:

API NO:

05045232330000

LOCATION:

SHL: 2002' FNL & 1908' FWL
BHL: 1178' FNL & 1949' FWL

SEC 7 TWP 7S RGE 93W

ELEVATIONS:

KB 7363 FT
DF
GL 7339 FT

DATE

20-OCT-2016

