



RADIAL CEMENT BOND LOG

| | | |
|----------------|---------|-----------------------|
| FILE NO: | COMPANY | LARAMIE ENERGY II LLC |
| API NO: | WELL | NICHOLS 0994-24-01W |
| 05077104180000 | FIELD | VEGA |
| | COUNTY | MESA |
| | STATE | COLORADO |

| | | |
|-----------|-----------------------|----------------|
| Ver. 4.10 | LOCATION: | OTHER SERVICES |
| | SHL 1786 FNL 2789 FEL | RPM |
| | BHL 118 FNL 1539 FEL | |
| | SEC 24 TWP 9S RGE 94W | |

| | | | | |
|-------------------|----|-----------|------------|-------------|
| PERMANENT DATUM | GL | ELEVATION | 7137 FT | ELEVATIONS: |
| LOG MEASURED FROM | KB | 24 FT | ABOVE P.D. | KB 7161 FT |
| DRILL. MEAS. FROM | KB | | | DF |
| | | | | GL 7137 FT |

| | |
|------------------------|-------------|
| DATE | 15-Mar-2018 |
| RUN | 1 |
| SERVICE ORDER | US133006J |
| DEPTH DRILLER | 7759 FT |
| DEPTH LOGGER | 7670 FT |
| BOTTOM LOGGED INTERVAL | 7669 FT |
| TOP LOGGED INTERVAL | 24 FT |
| TIME STARTED | 11:30 |
| TIME FINISHED | 15:00 |
| OPERATOR RIG TIME | LOGGER |
| TYPE OF FLUID IN HOLE | WATER |
| FLUID DENSITY | NA |
| FLUID SALINITY | NA |
| FLUID LEVEL | 50 FT |
| LOGGED CEMENT TOP | 2140 FT |
| WELLHEAD PRESSURE | 0 PSI |
| MAXIMUM HOLE DEVIATION | NA |
| NOMINAL LOGGING SPEED | 90 FMIN |
| MAX. RECORDED TEMP. | 226 DEGF |
| REFERENCE LOG | NA |
| REFERENCE LOG DATE | NA |
| EQUIP. NO. | 4291 |
| LOCATION | R. ZUNIGA |
| RECORDED BY | NA |
| WITNESSED BY | NA |

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.

REMARKS

RUN 1 TRIP 1: RAL/GR/CCL RUN CENTRALIZED

LOGGED WITH 0 PSI AT WELLHEAD

SJ: 5965-5984
SJ: 6860-6878

CREW: R. ZUNIGA, J. PENA, A. SHAHNOOSHI

EQUIPMENT DATA

| RUN | TRIP | TOOL | SERIES NO. | SERIAL NO. | POSITION |
|-----|------|--------|------------|------------|-------------|
| 1 | 1 | RAL | 1426XA | 10404539 | CENTRALIZED |
| 1 | 1 | GR/CCL | 1355XA | 12670180 | CENTRALIZED |

MAIN PASS 0 PSI

ECLIPS 7.0i ECLIPS General Release Rel 7.0i Thu Jun 08 20:36:10 CDT 2017

Patches: 3

Plotted: Thu Mar 15 17:49:10 2018

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/LARAMIE_NICHOLS_0994-24-01W/p012g03.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 0.250 ft BOTTOM DEPTH: 4681.250 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 | 4000.00 | | TOP | BOTTOM |

ANALOG RAL PROCESSING

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|---------------------------|----------------------------|---------|-------|---------------|--------|
| AMPLITUDE WINDOW (NEAR) | AMP WINDOW START (fgp1*) | 185 | us | TOP | BOTTOM |
| | AMP WINDOW START (fgp2*) | 185 | us | " | " |
| | AMP WINDOW START (fgp3*) | 185 | us | " | " |
| | AMP WINDOW START (fgp4*) | 185 | us | " | " |
| | AMP WINDOW START (fgp5*) | 185 | us | " | " |
| | AMP WINDOW START (fgp6*) | 185 | us | " | " |
| | AMP WINDOW START (fgp7*) | 185 | us | " | " |
| | AMP WINDOW START (fgp8*) | 185 | us | " | " |
| | AMP WINDOW START (fgpn*) | 185 | us | " | " |
| | AMP WINDOW LENGTH | 30 | us | " | " |
| TRAVEL TIME WINDOW (NEAR) | TT WINDOW START (ttn*) | 182 | us | " | " |
| | TT WINDOW LENGTH | 500 | us | " | " |
| | FIRST BRK THRESHOLD (ttn*) | 4 | mV | " | " |
| RAL CASING PARAMETERS | PPT NEAR | 200.391 | us | " | " |
| RAL TOOL DELAY | TOOL DELAY (str1*) | -72 | us | " | " |
| | TOOL DELAY (str2*) | -72 | us | " | " |
| | TOOL DELAY (str3*) | -72 | us | " | " |
| | TOOL DELAY (str4*) | -72 | us | " | " |
| | TOOL DELAY (str5*) | -72 | us | " | " |
| | TOOL DELAY (str6*) | -72 | us | " | " |
| | TOOL DELAY (str7*) | -72 | us | " | " |
| | TOOL DELAY (str8*) | -72 | us | " | " |
| | TOOL DELAY (strn*) | -72 | us | " | " |
| BASELINE NOISE (NEAR) | NOISE WINDOW START | 125 | us | " | " |
| | NOISE WINDOW LENGTH | 25 | us | " | " |

PERCENT BOND CEMENT MAP

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) | |
|-------------------------|---------------------|-------|-------|---------------|--------|
| RAL FREE PIPE AMPLITUDE | FREE AMP REC 1 | 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

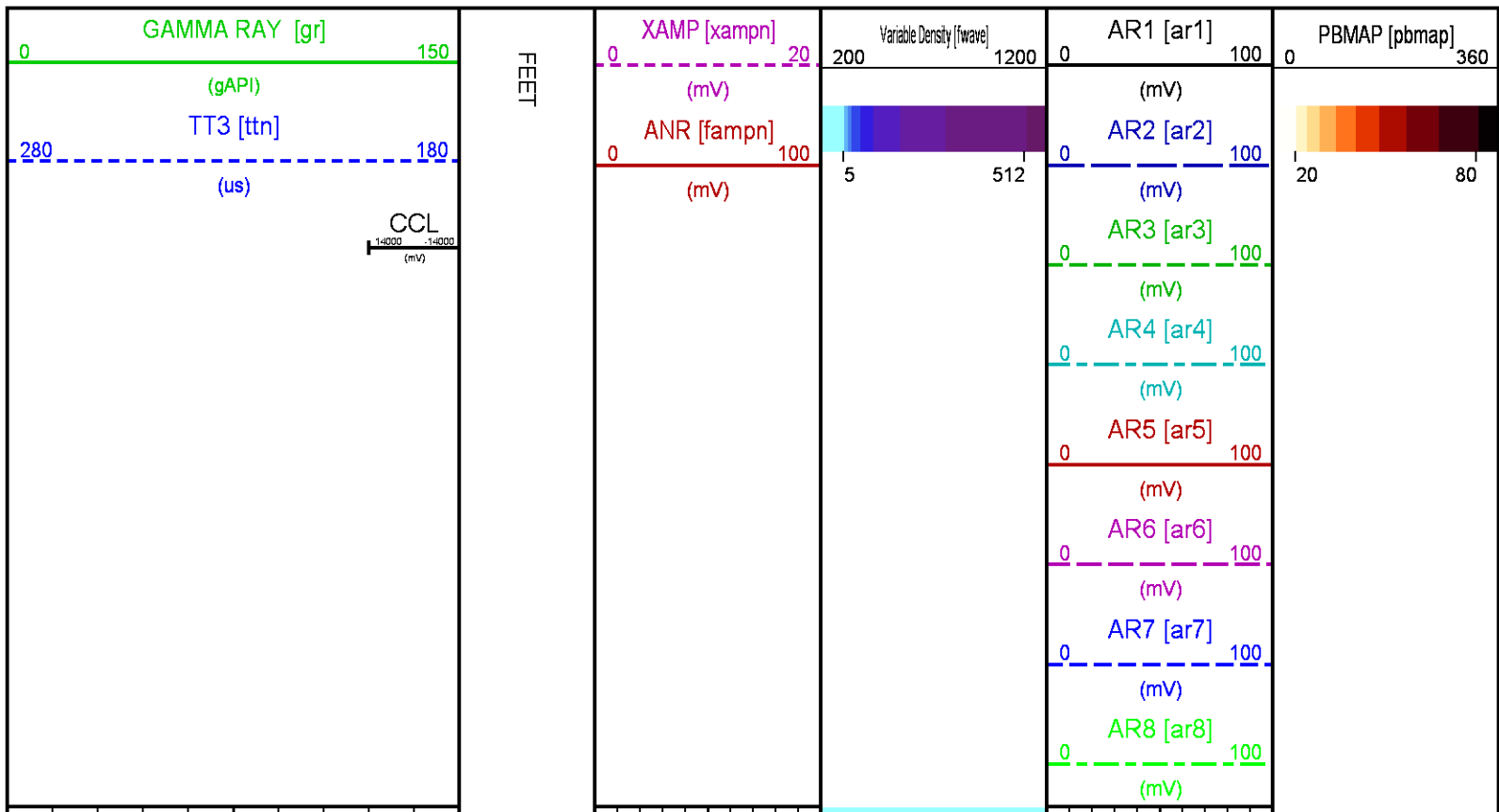
| CURVE NAME | CREATION DATE | CURVE DESCRIPTION |
|------------|---------------|---|
| F1:AR1 | N/A | FIXED GATE AMPLITUDE T-R1 |
| F1:AR2 | N/A | FIXED GATE AMPLITUDE T-R2 |
| F1:AR3 | N/A | FIXED GATE AMPLITUDE T-R3 |
| F1:AR4 | N/A | FIXED GATE AMPLITUDE T-R4 |
| F1:AR5 | N/A | FIXED GATE AMPLITUDE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

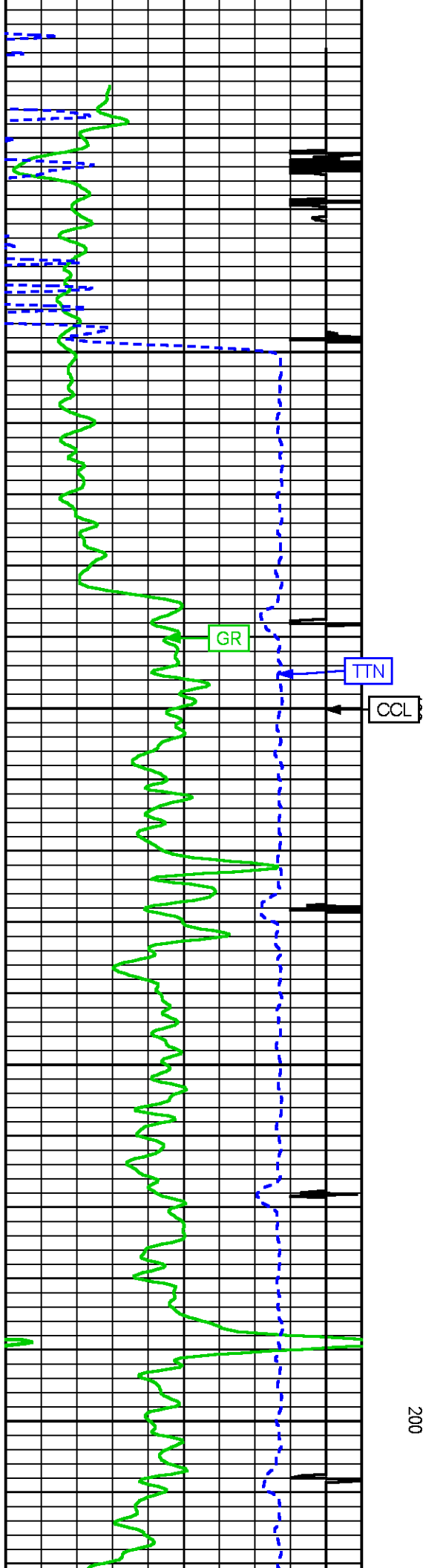
CURVE MEASURE POINT OFFSET

| 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 | | |

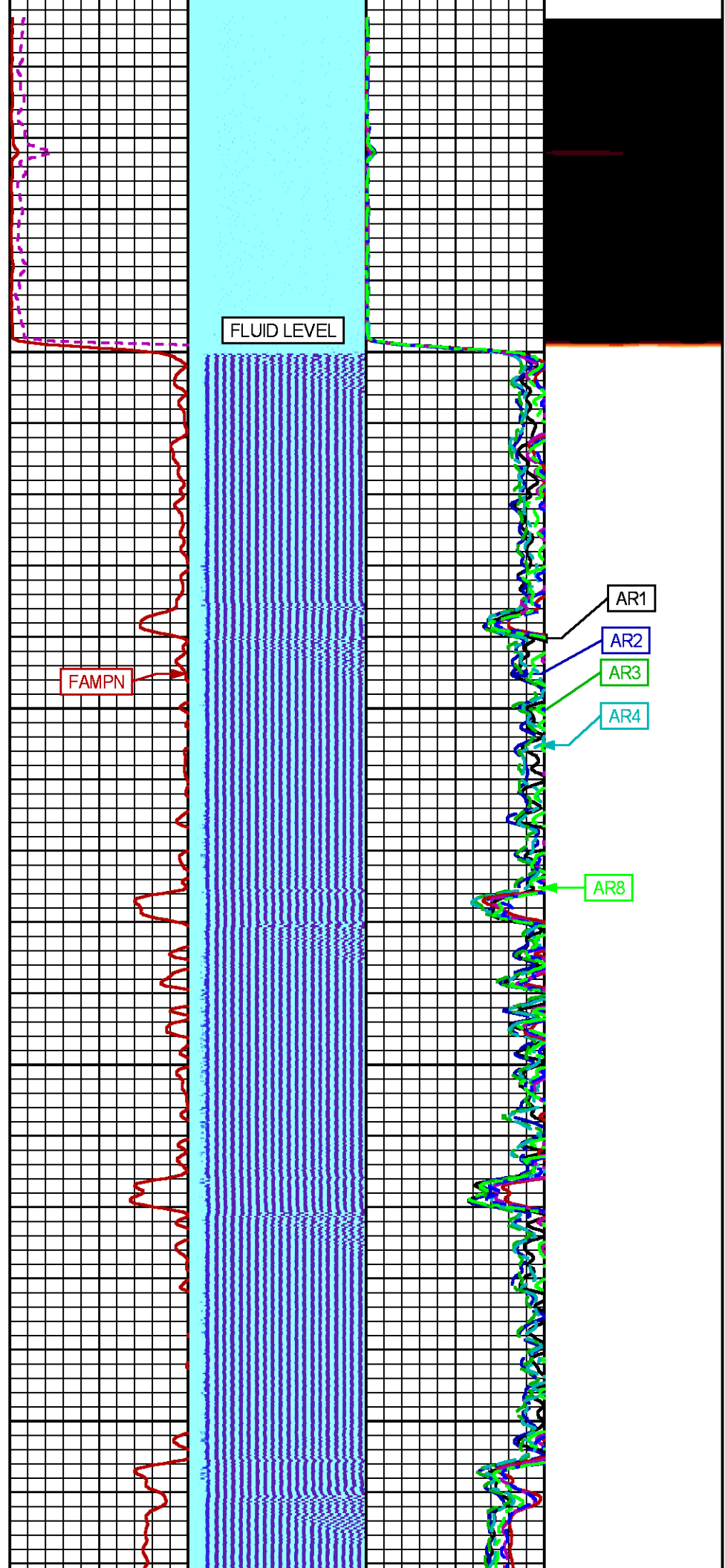
Presentation : SysA:LARAMIE_RAL_MAIN.fvpdf [5"/100' Scale]
Plot Interval : 0.25 - 7745 Feet

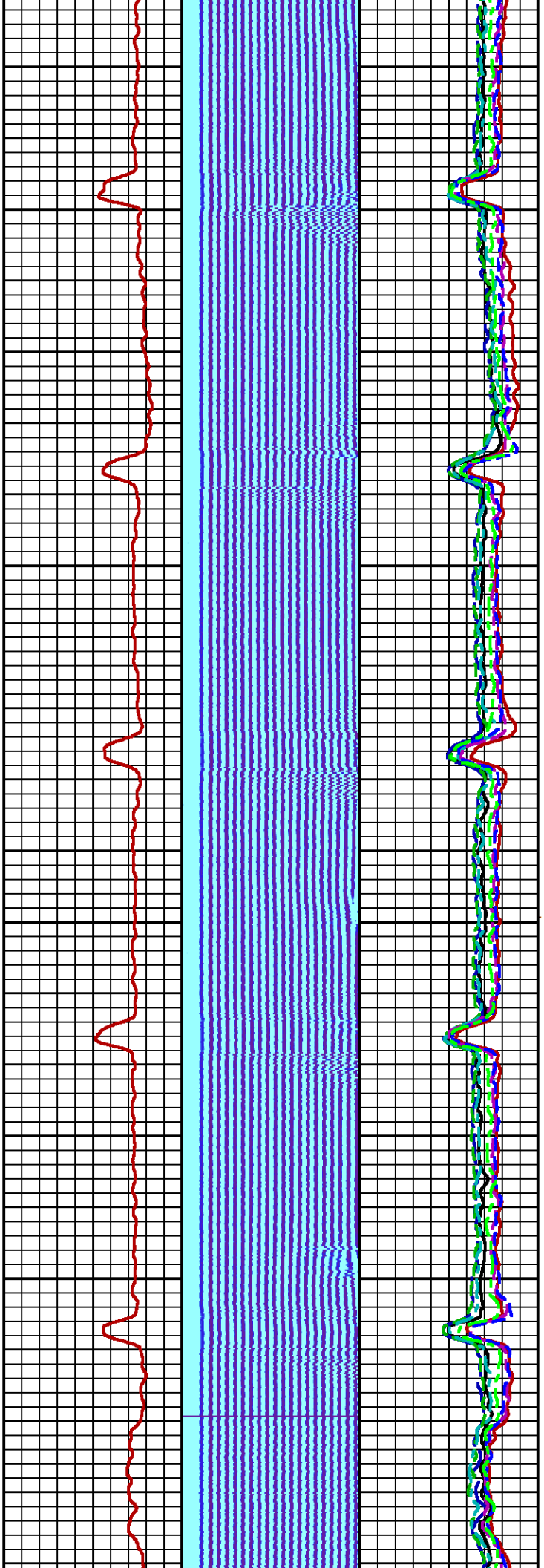
Data File 1 : F1 : SysA:/dat1a/LARAMIE_NICHOLS_0994-24-01W/RAL.xtf
Created On : N/A
Company : LARAMIE ENERGY II LLC
Well : NICHOLS 0994-24-01W
Field : VEGA
File Interval : 0.25 - 7745 Feet
OCT : p012g





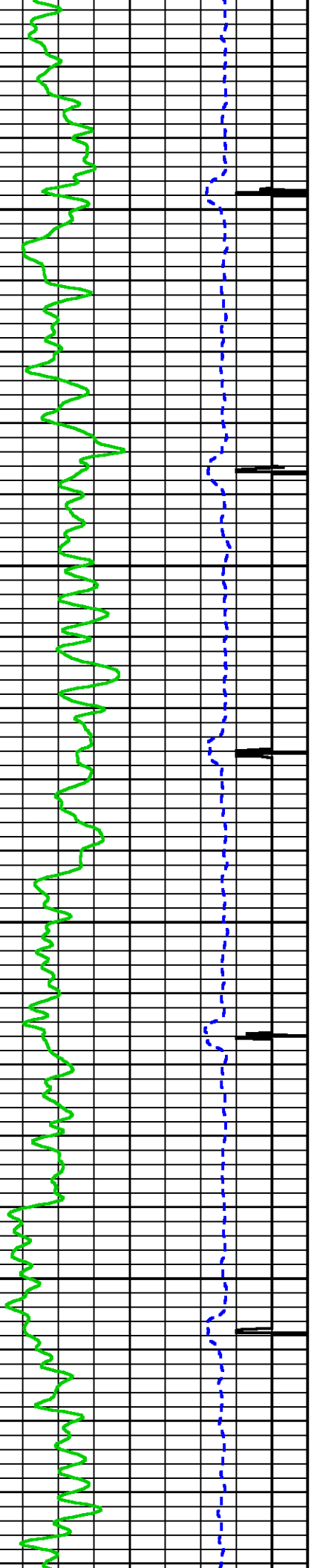
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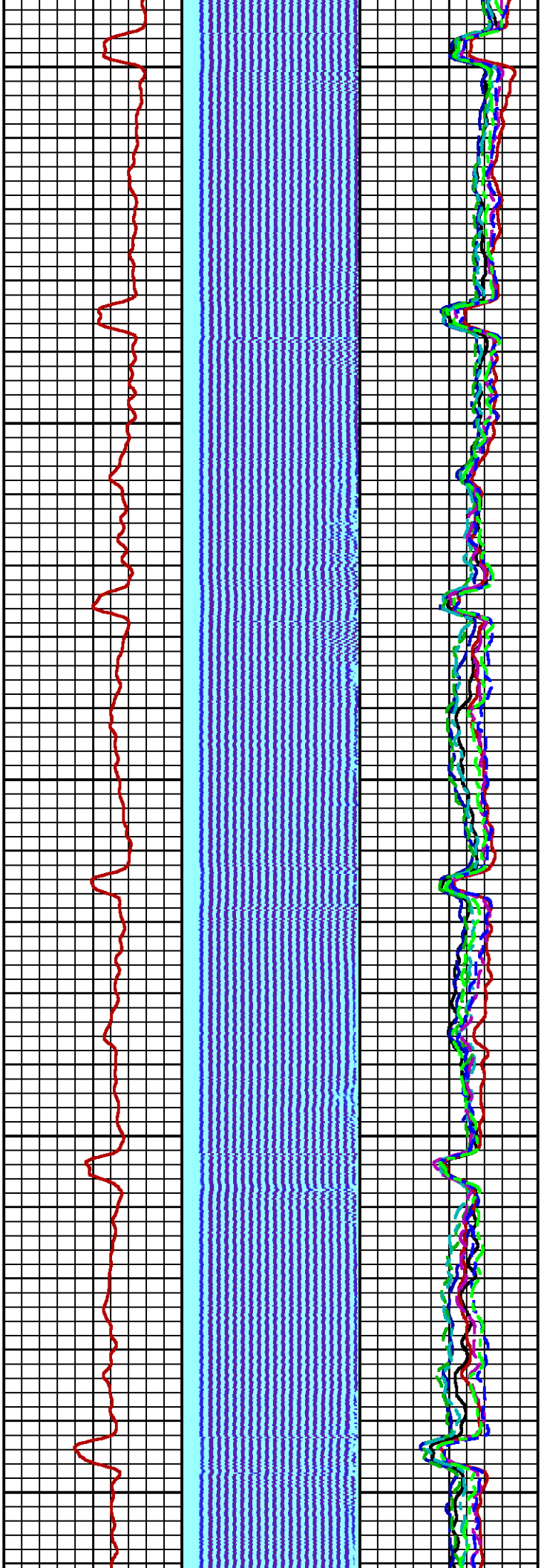




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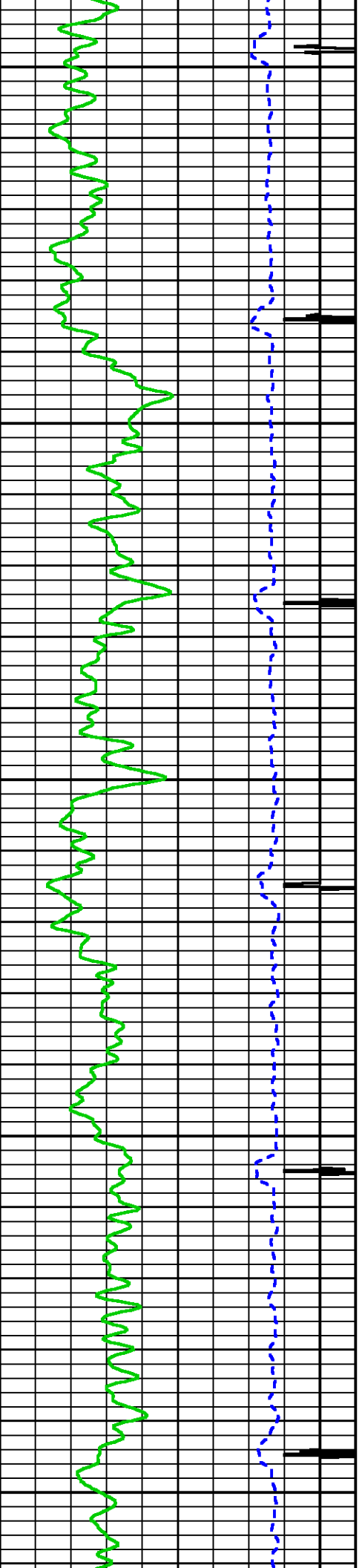
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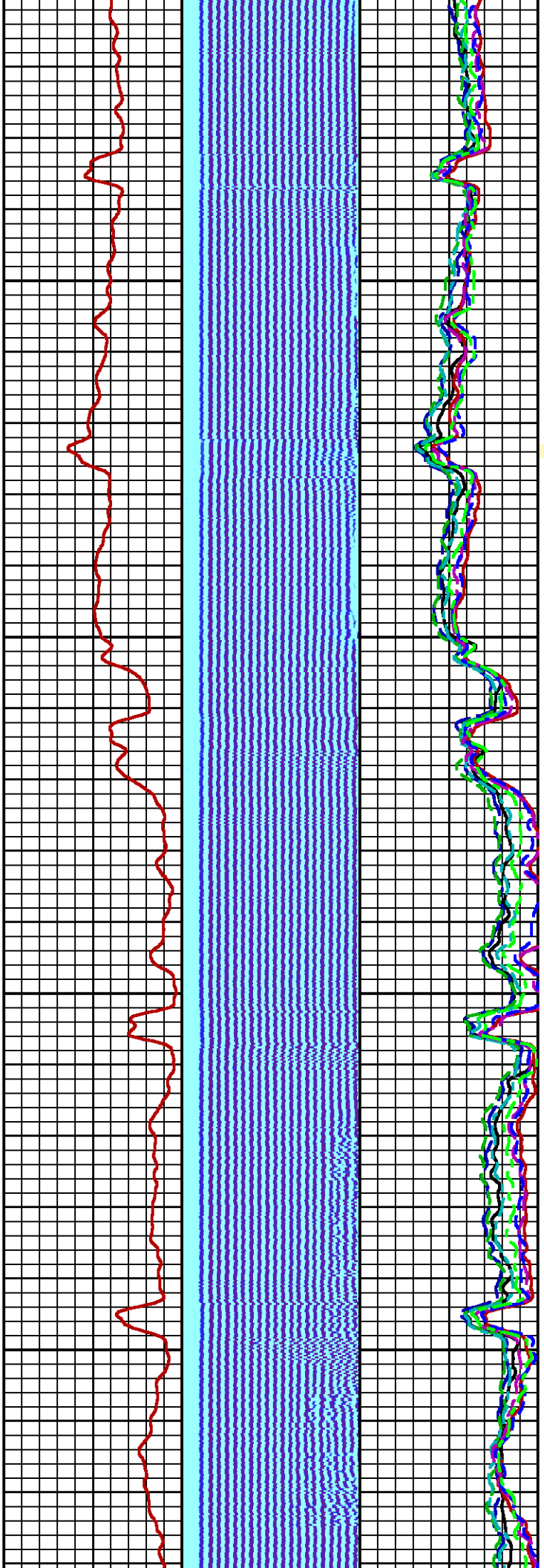


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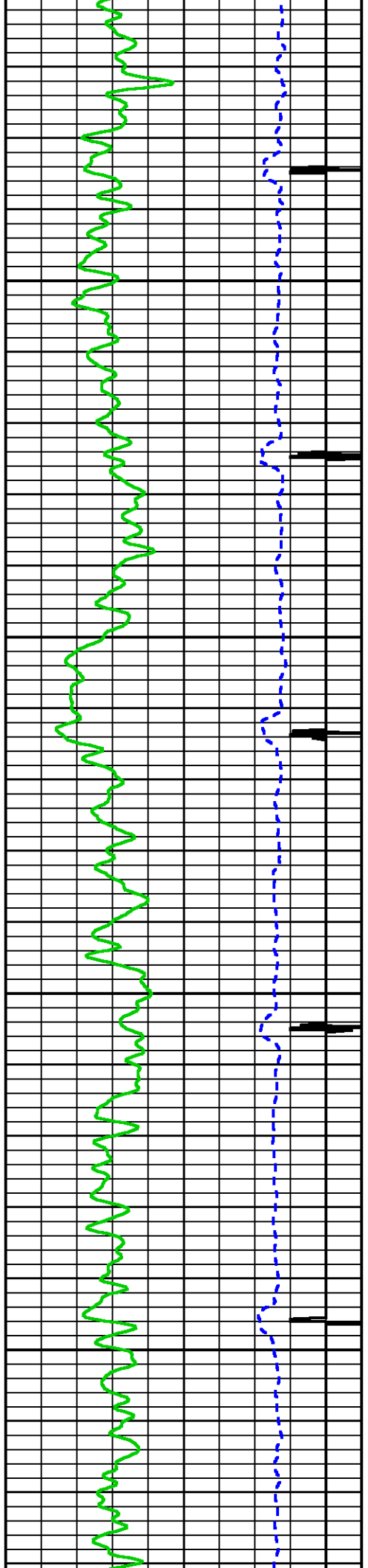


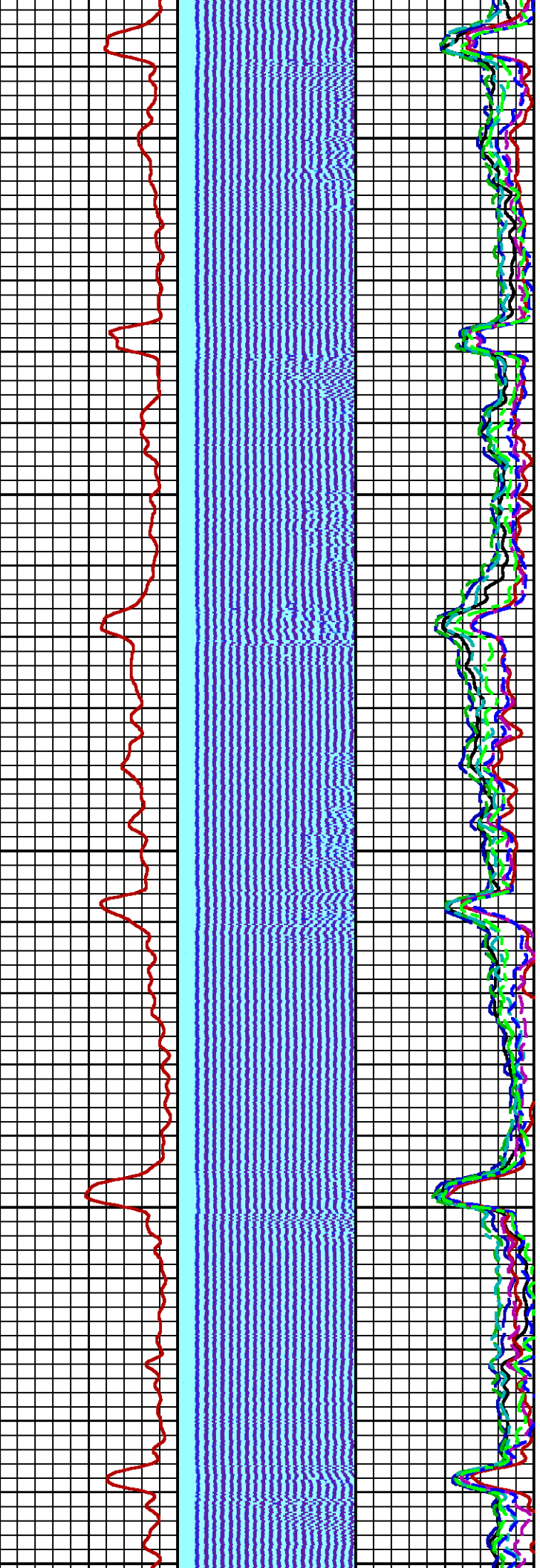
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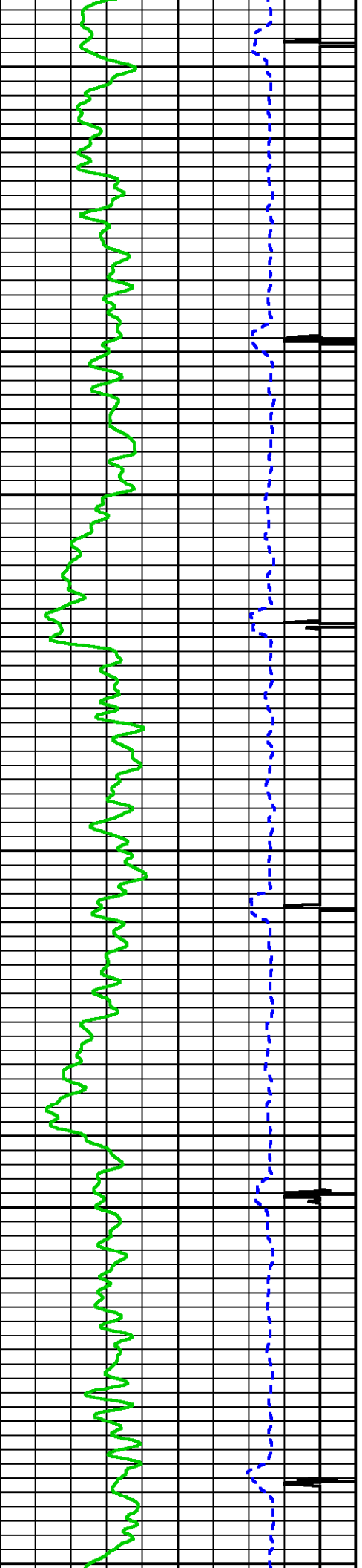


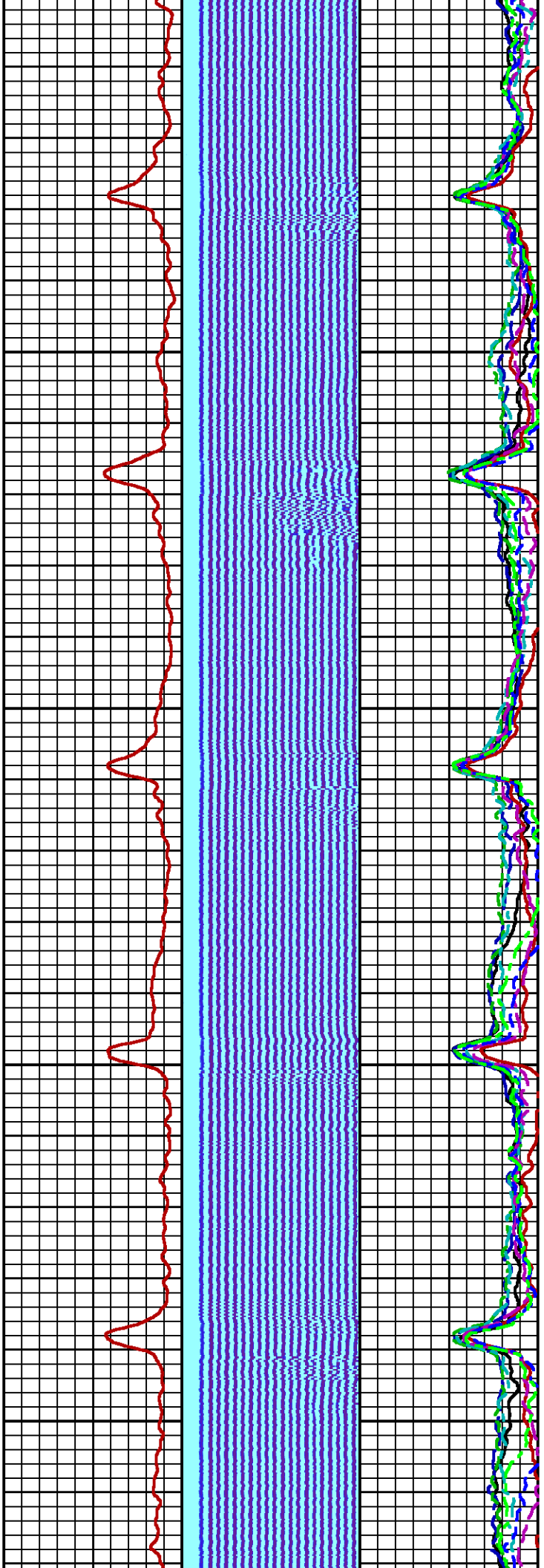


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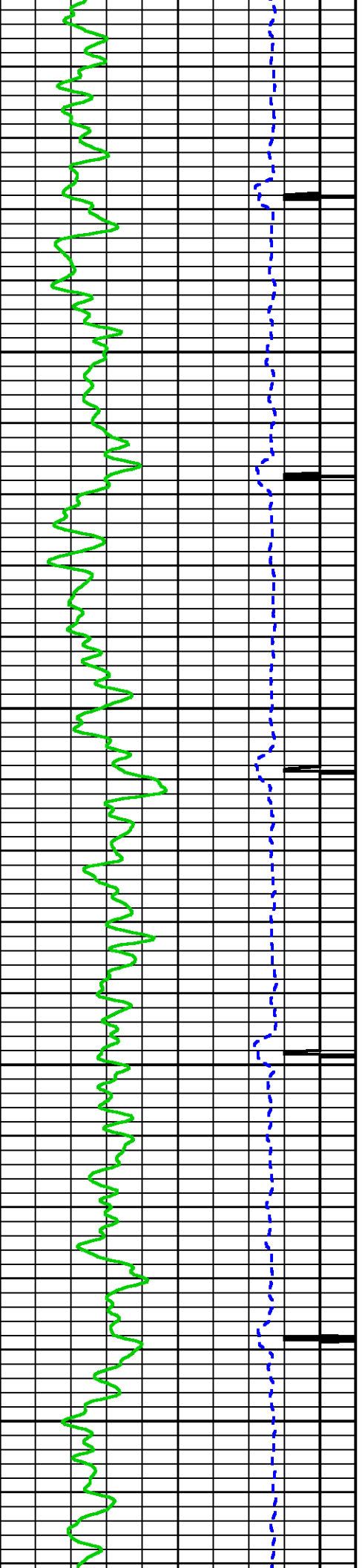
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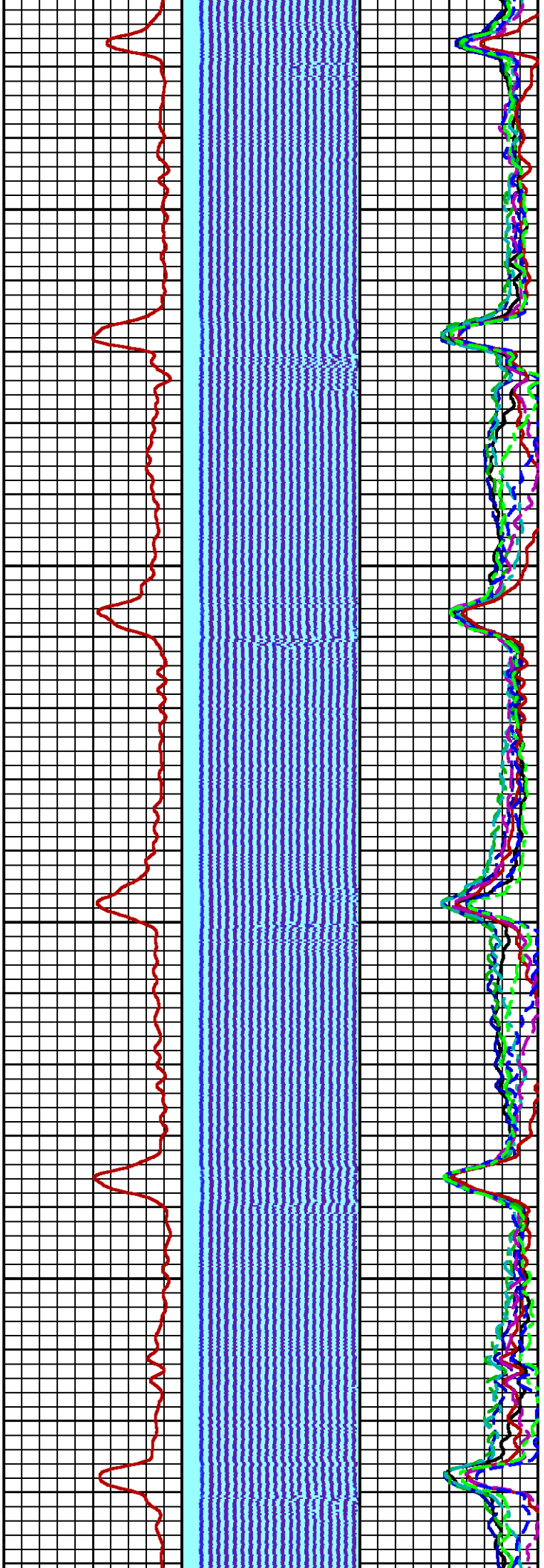
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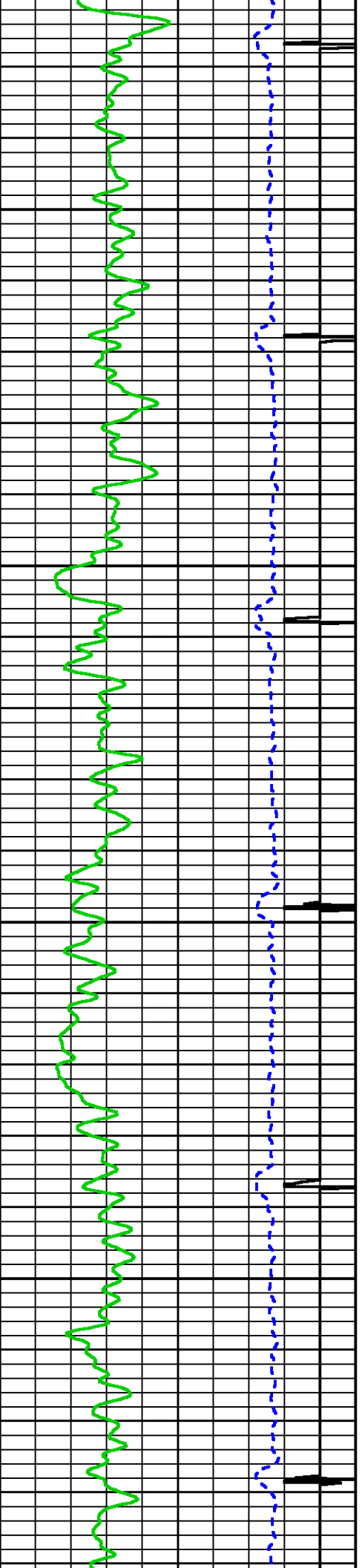
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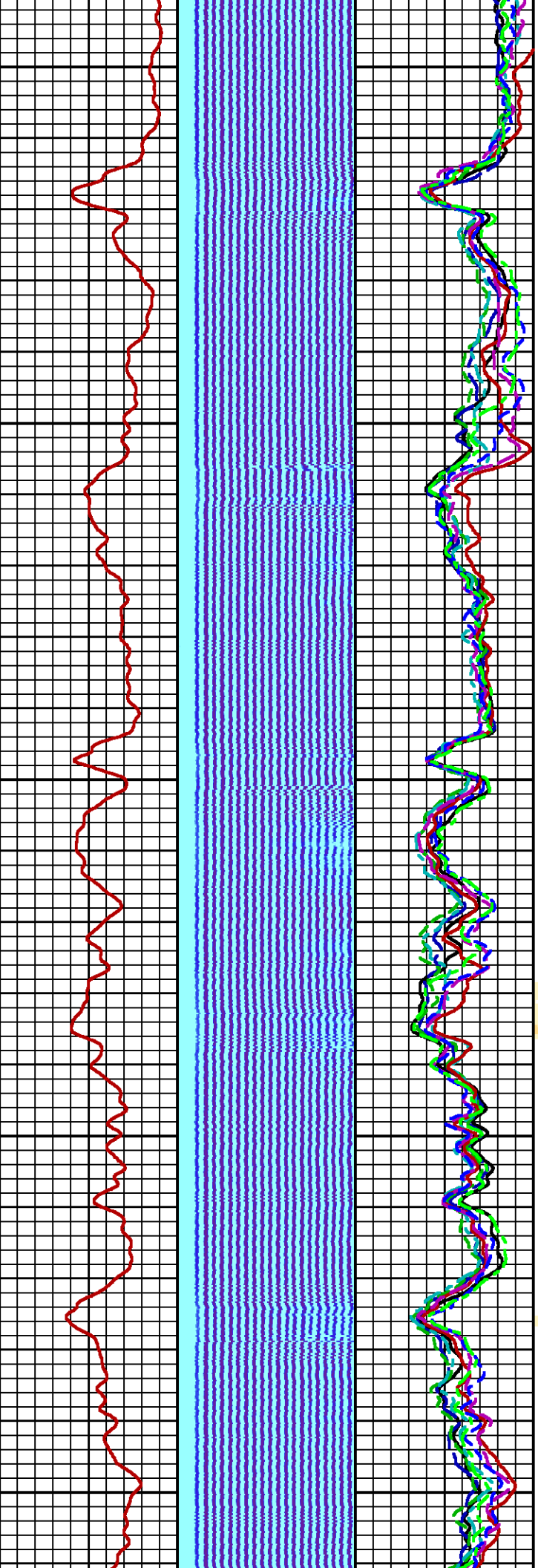




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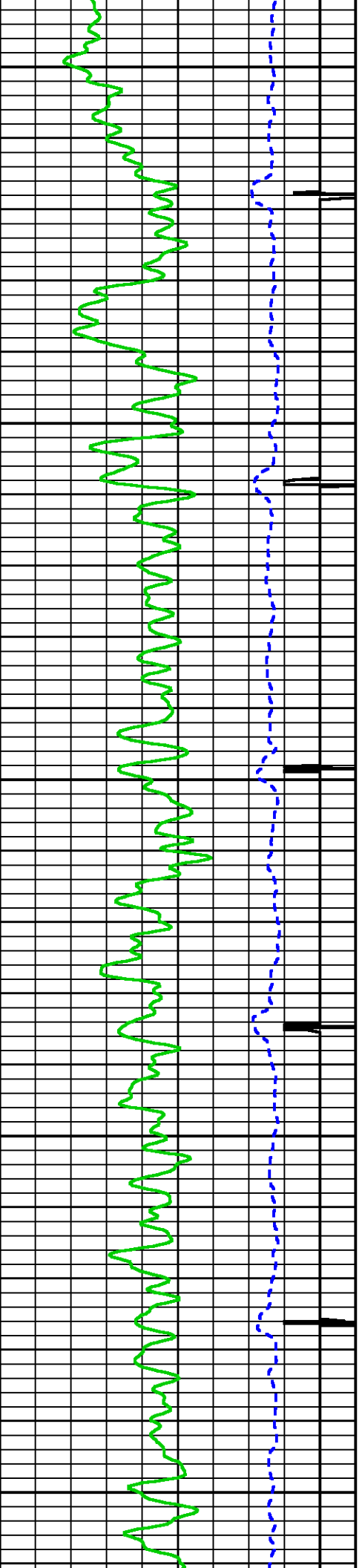
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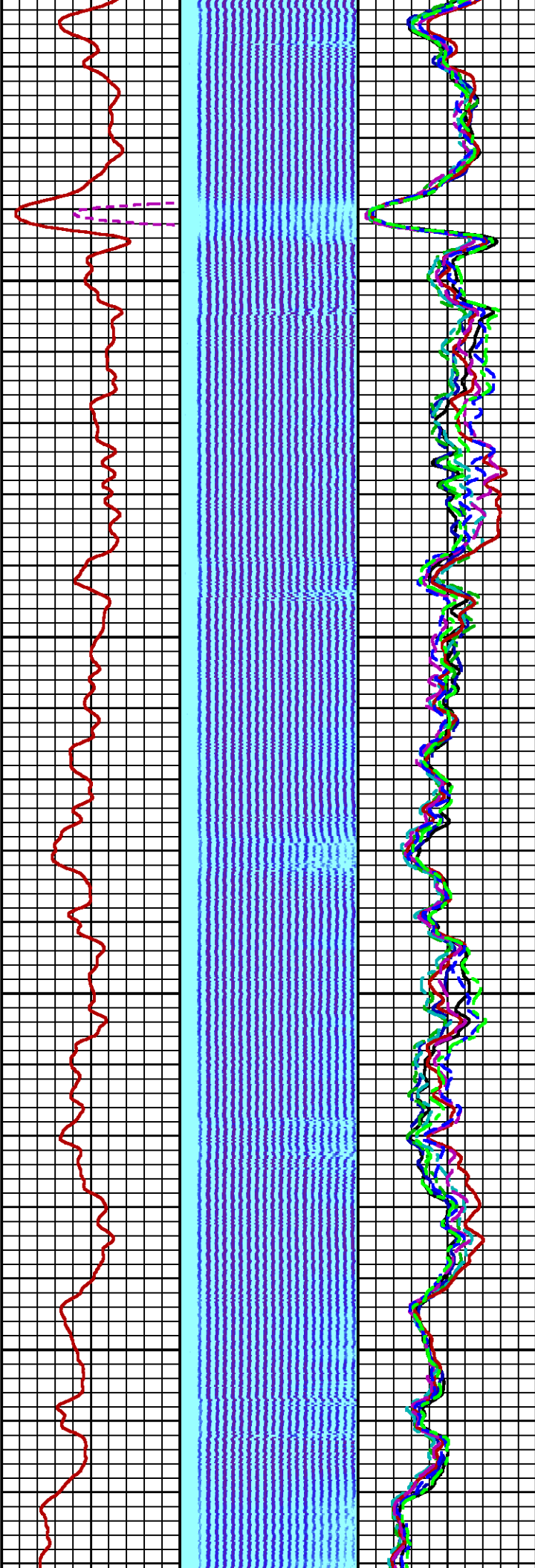
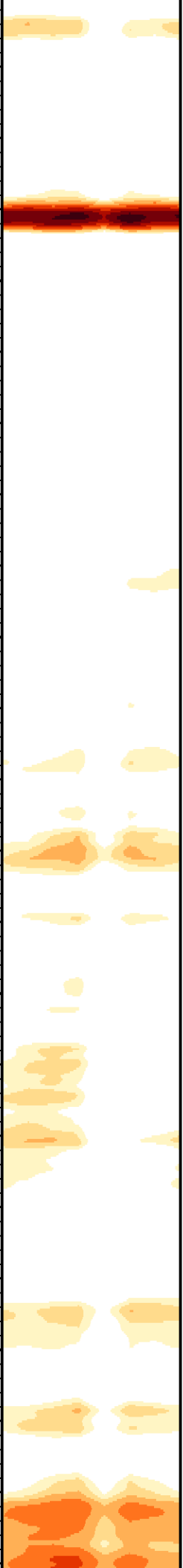




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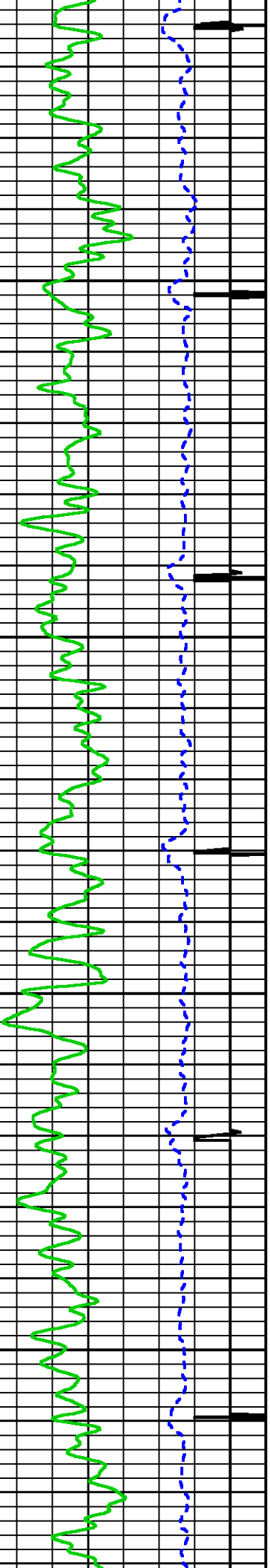
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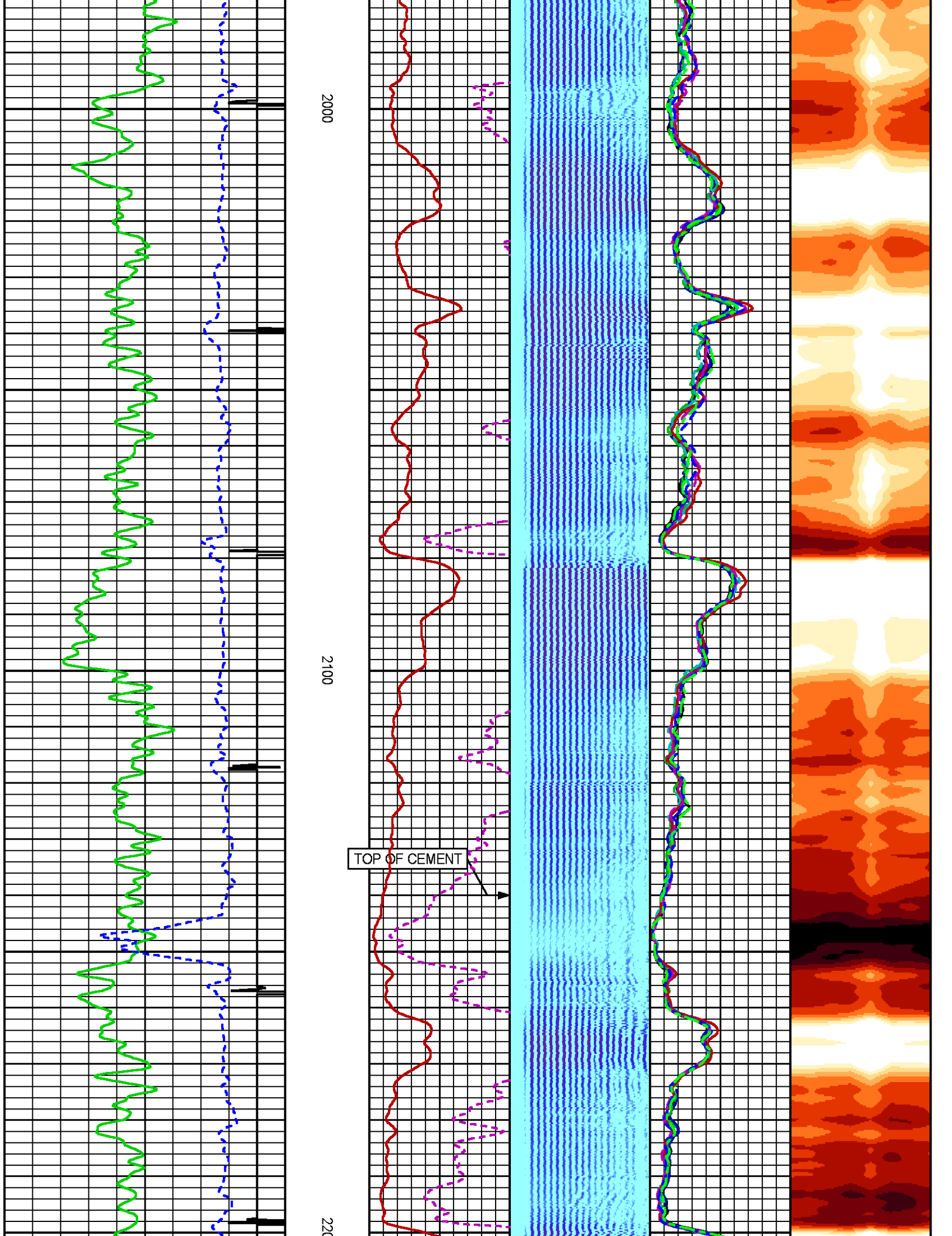


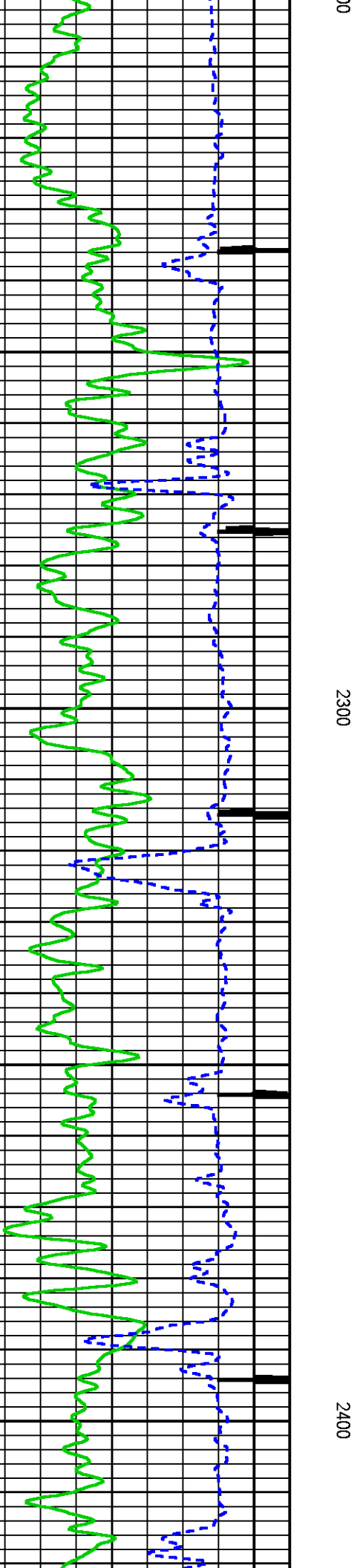
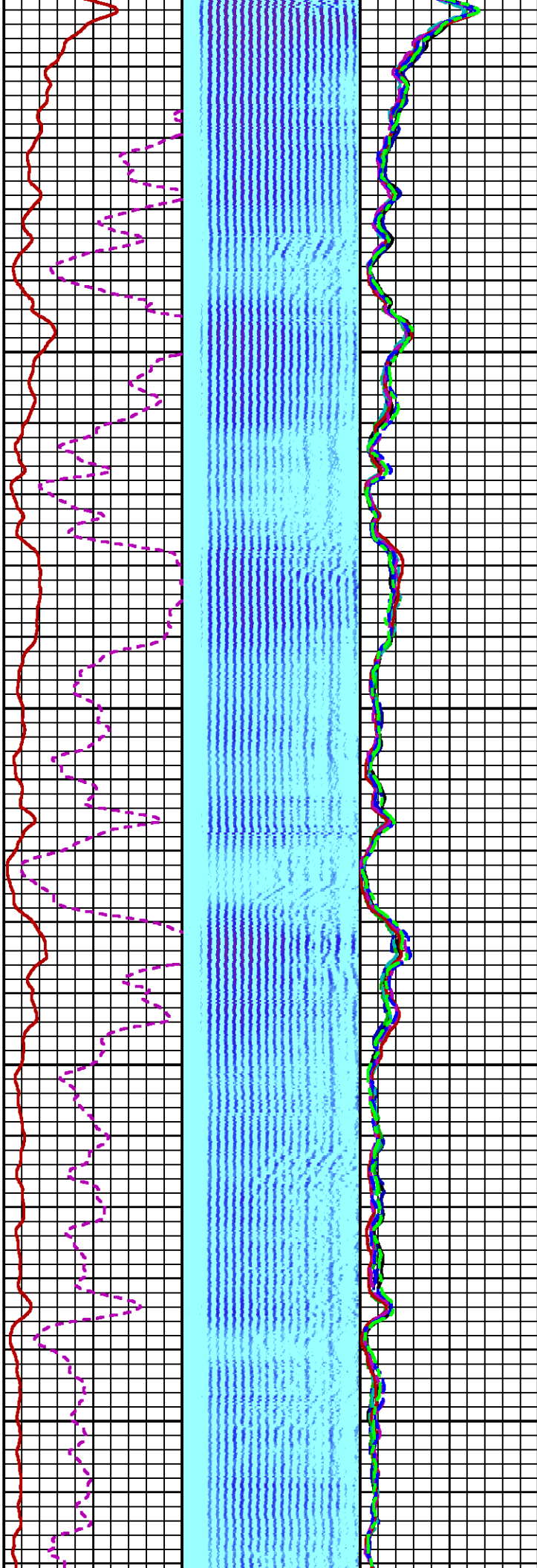
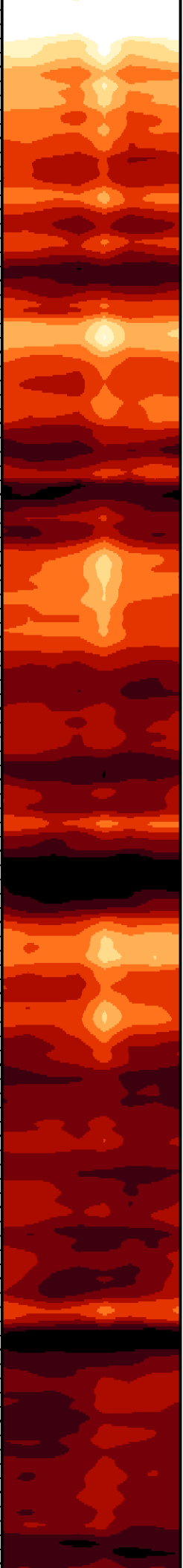


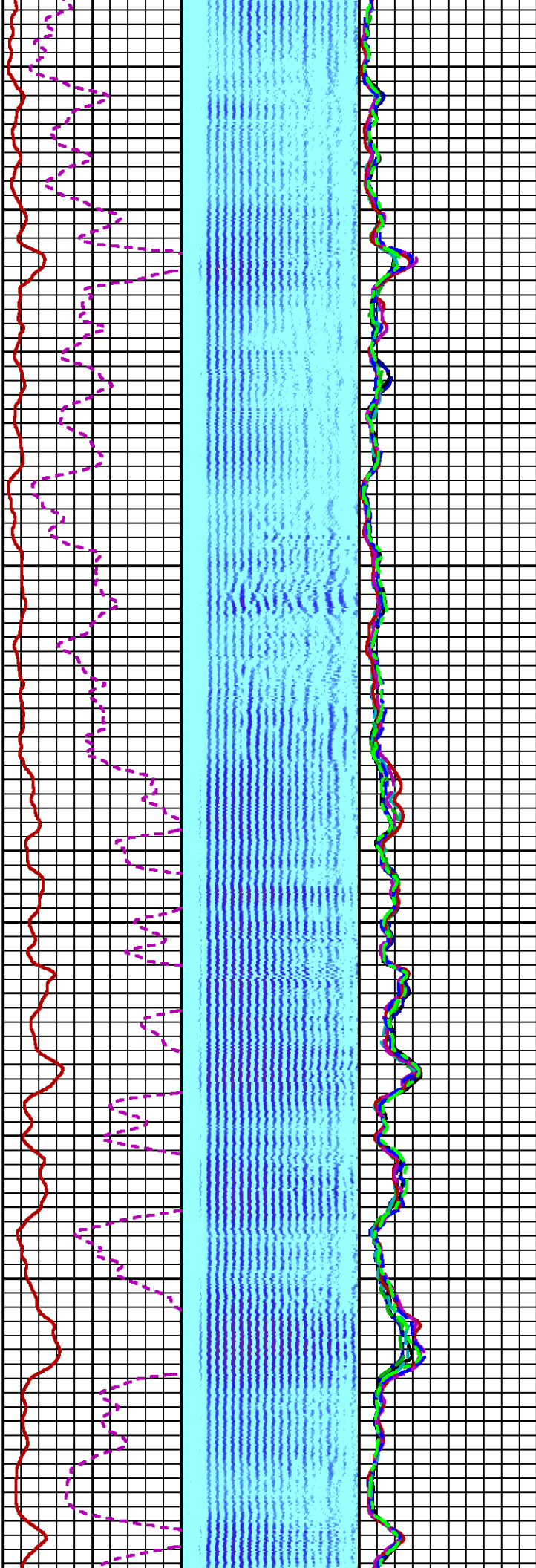
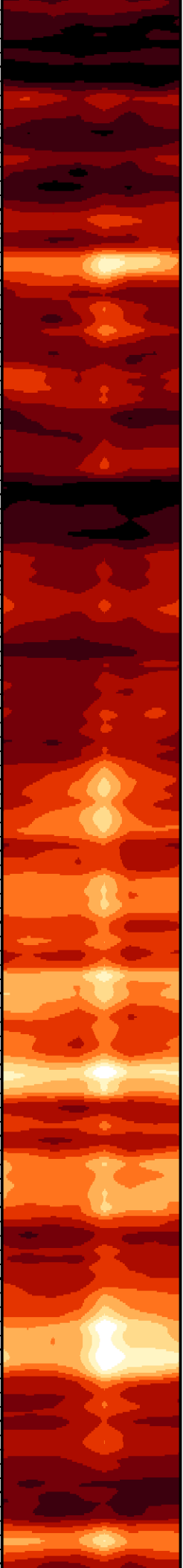
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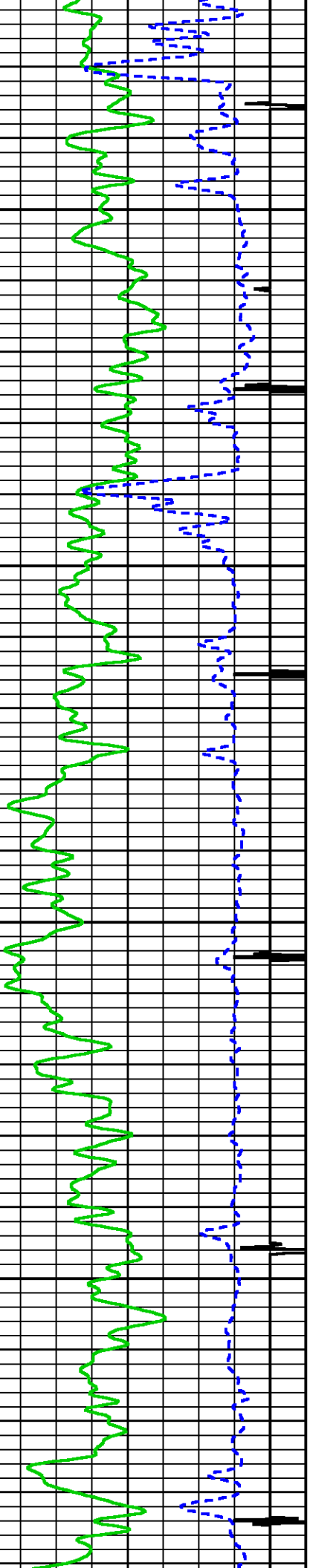


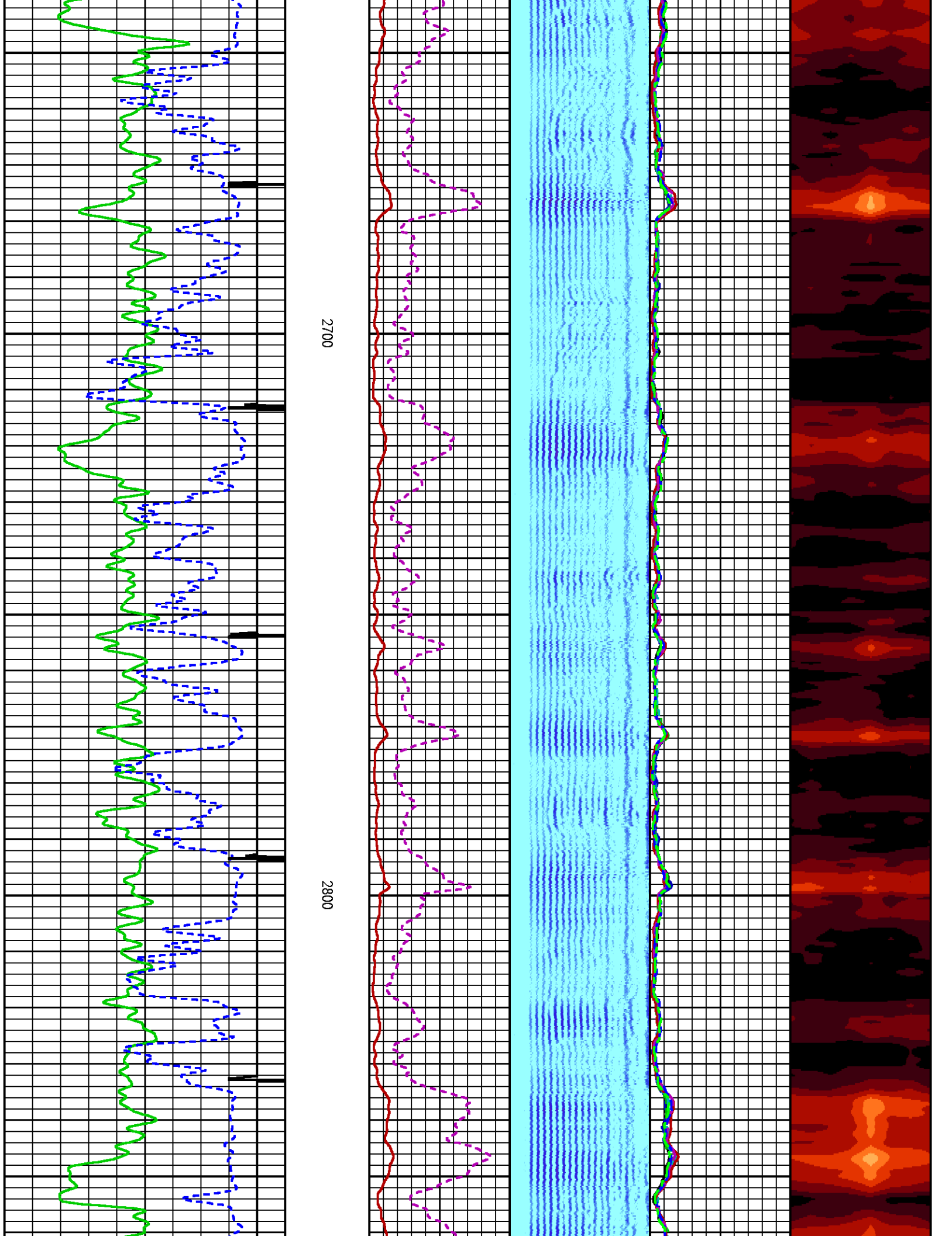


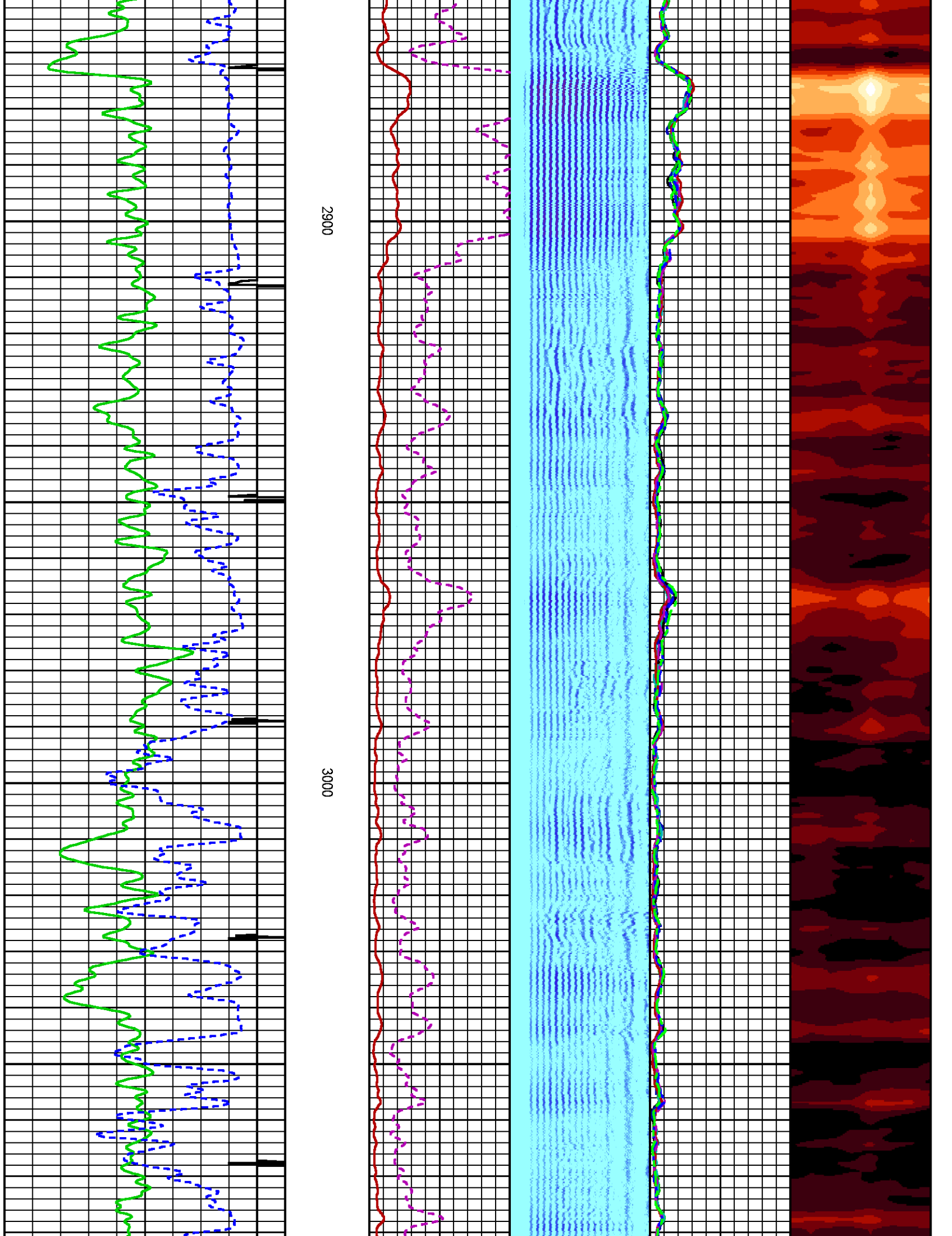


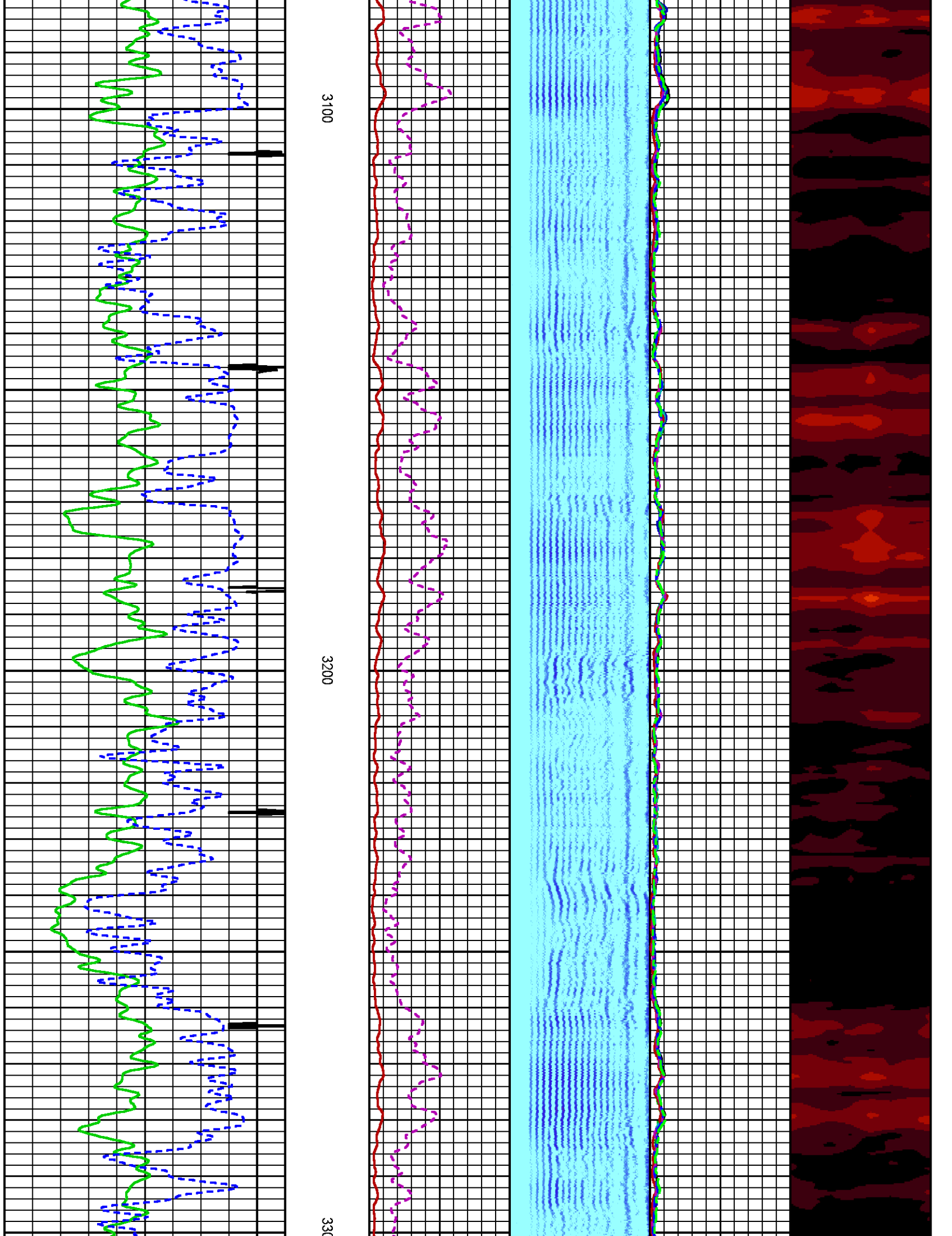
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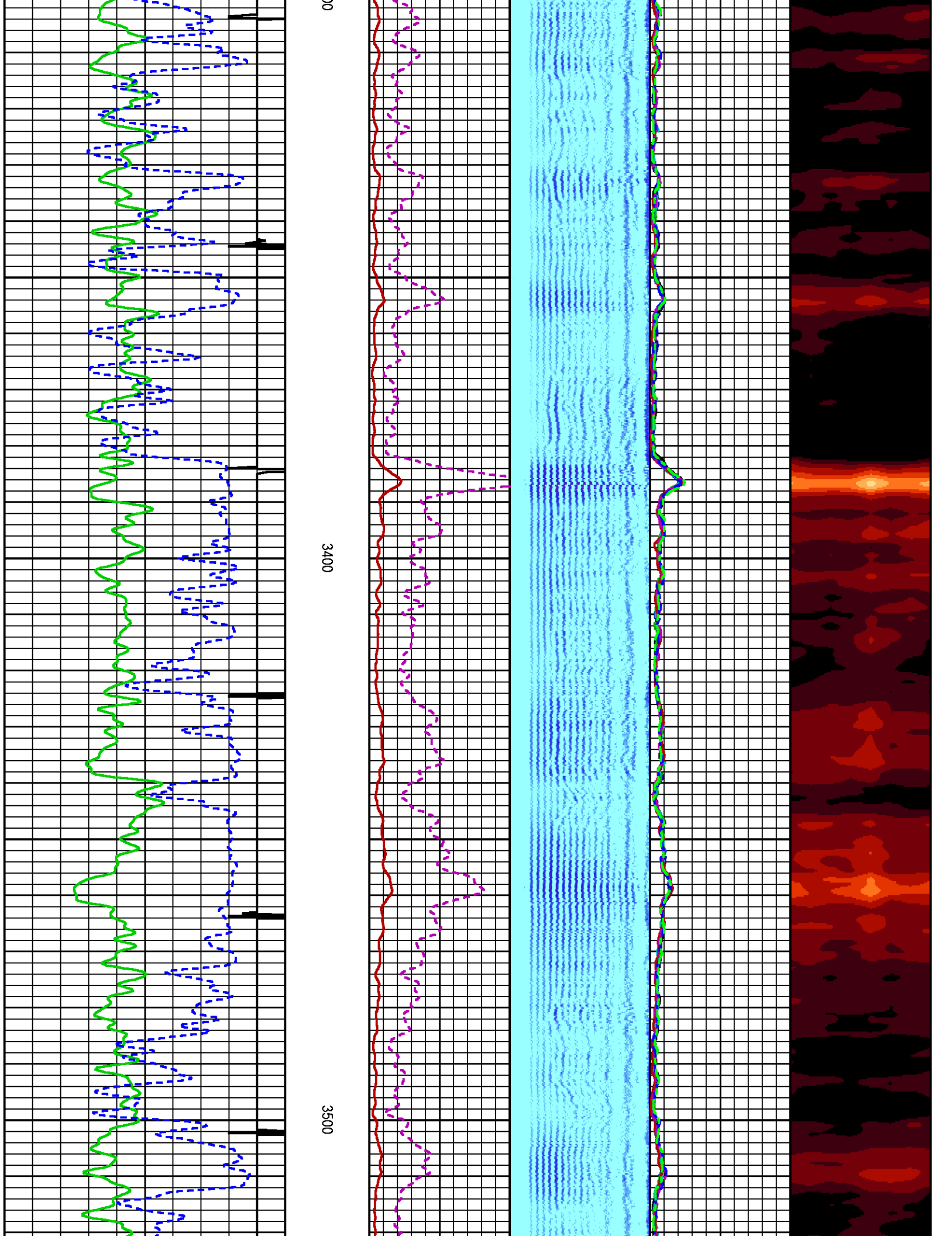
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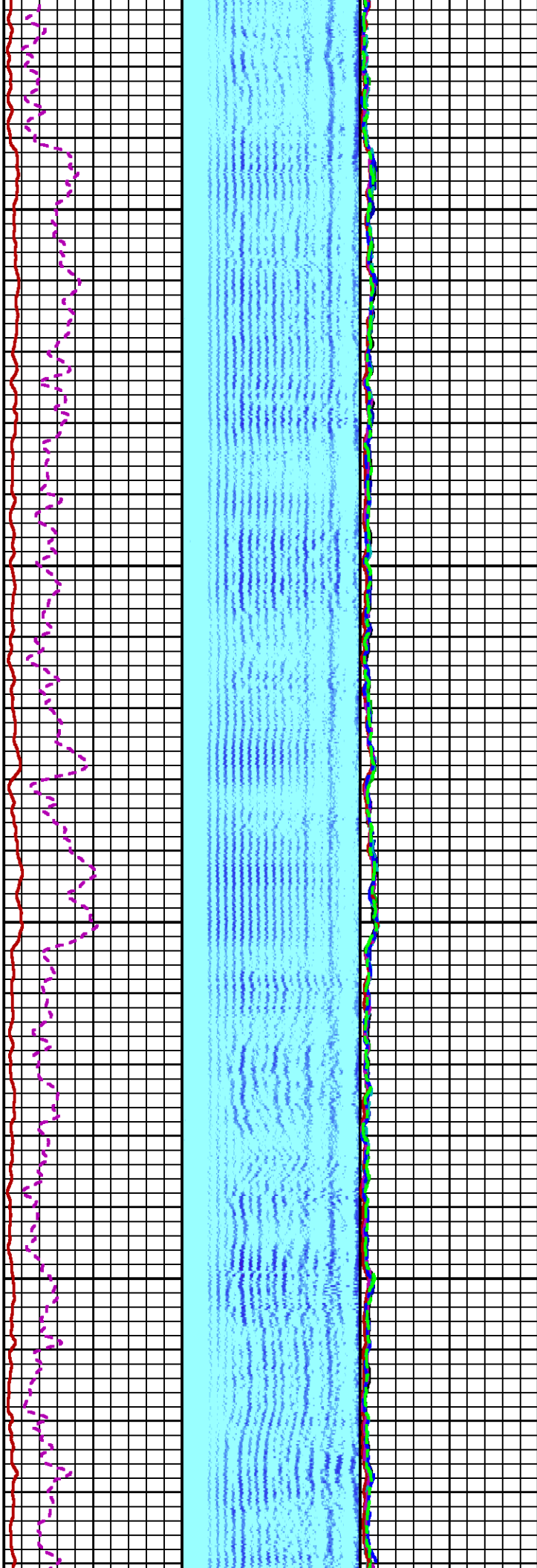
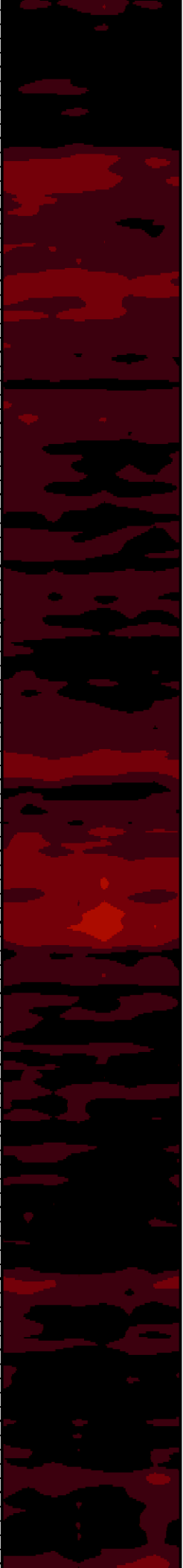






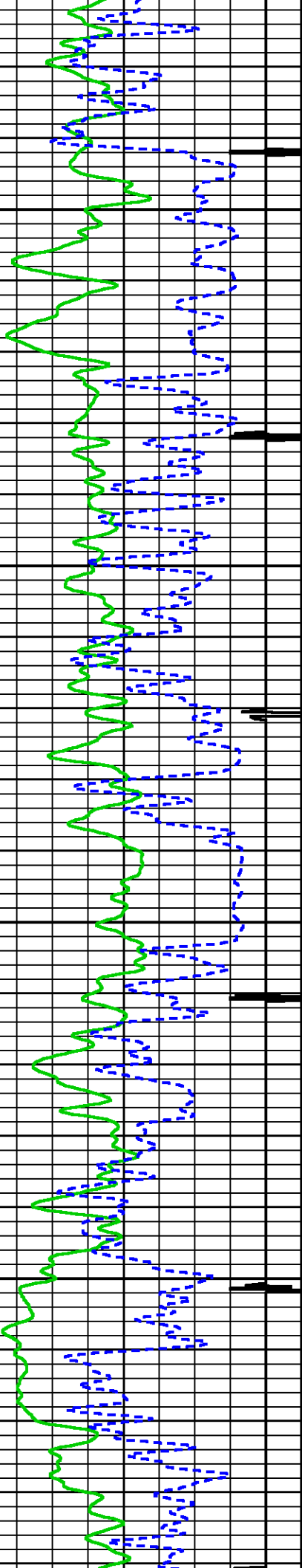


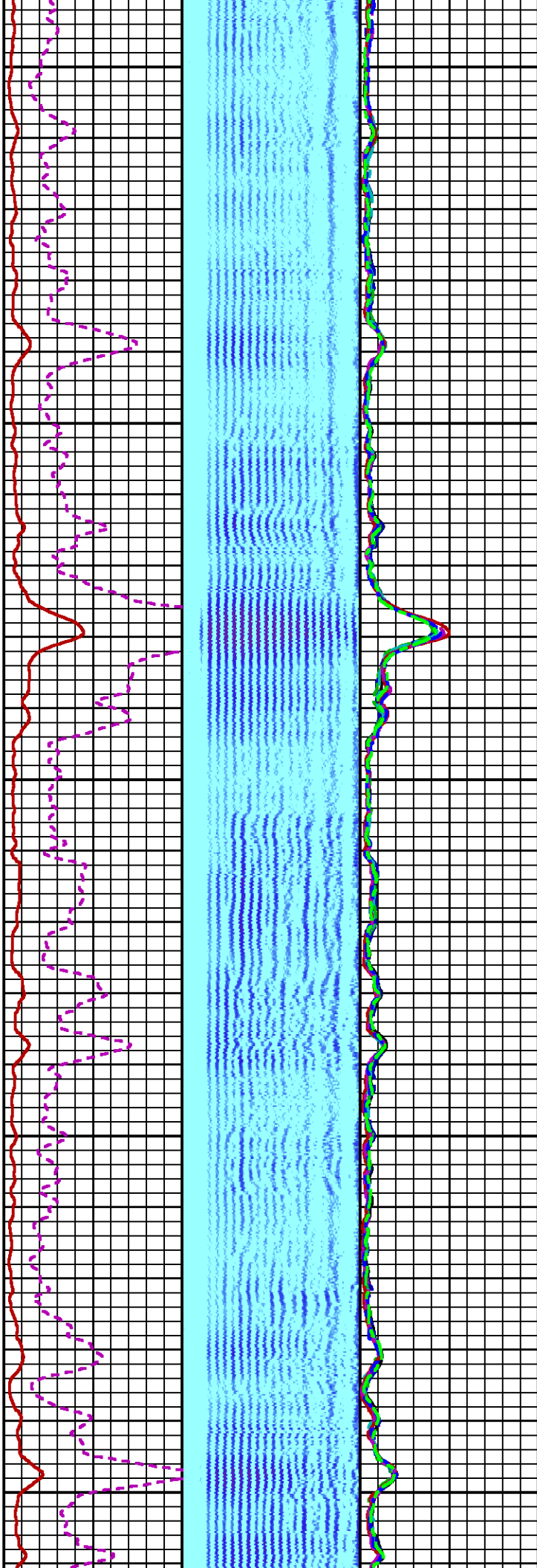




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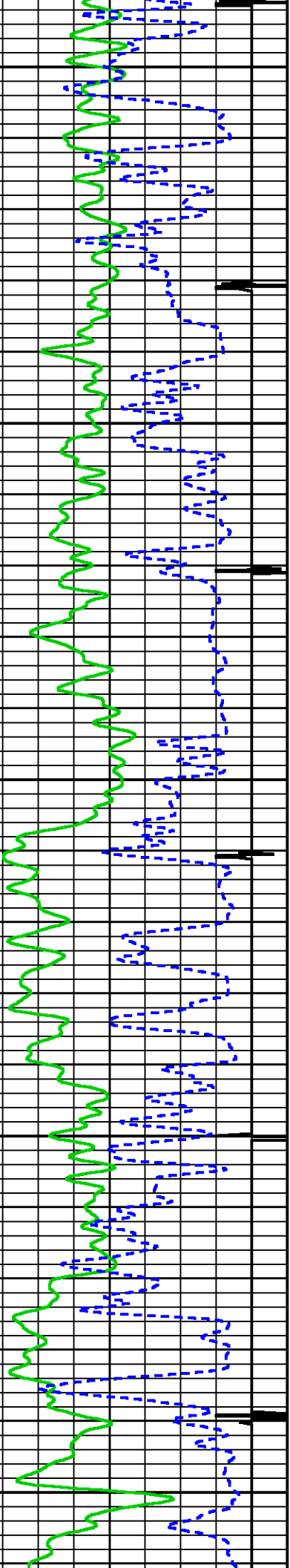
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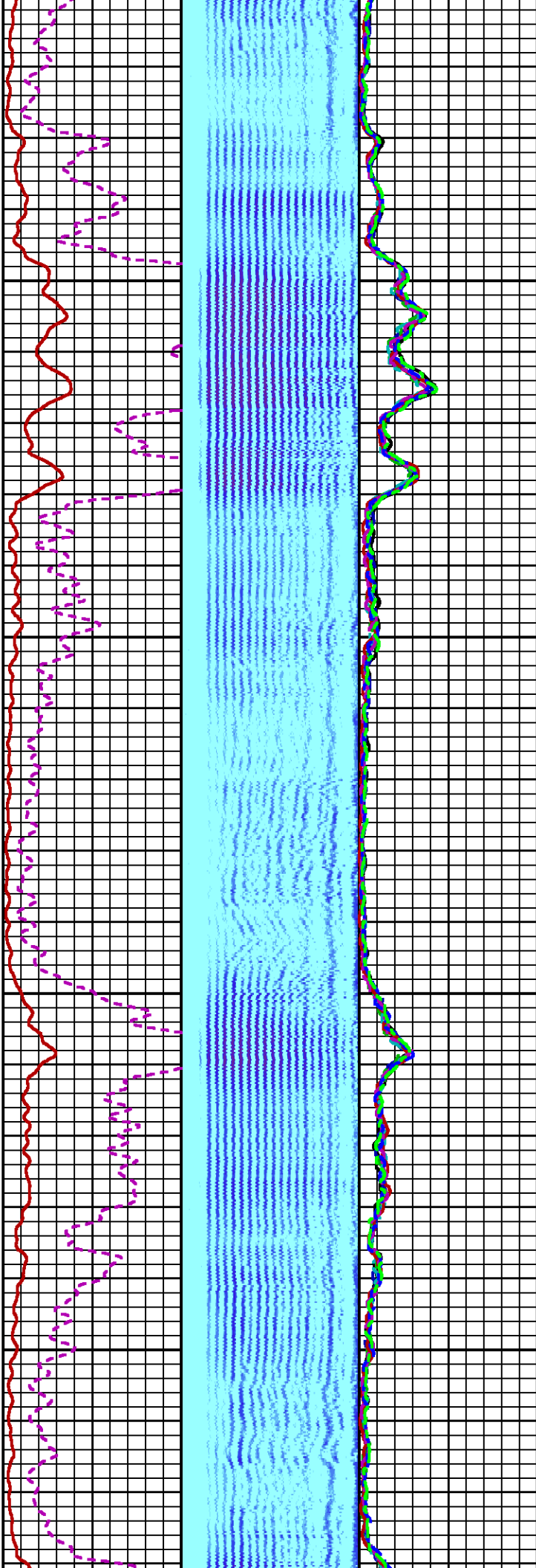




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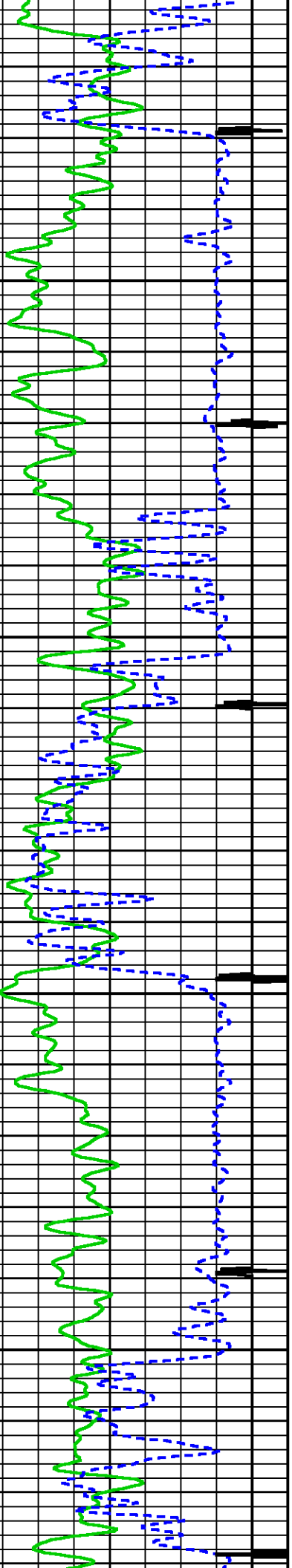
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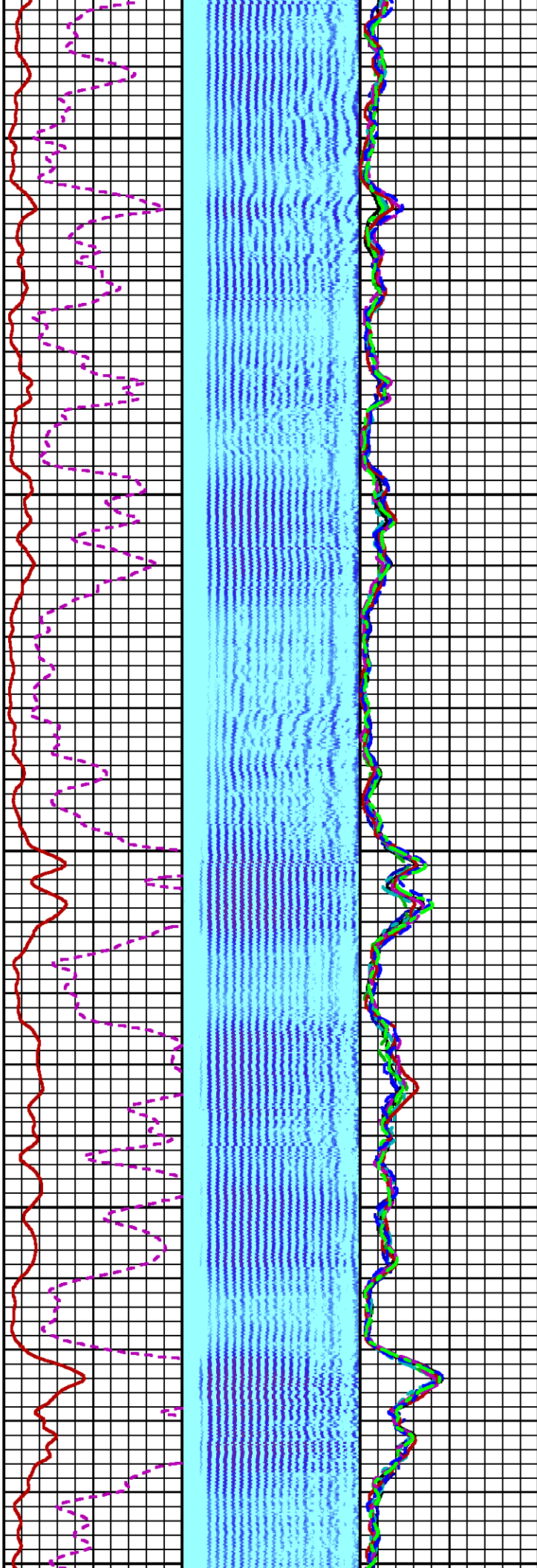
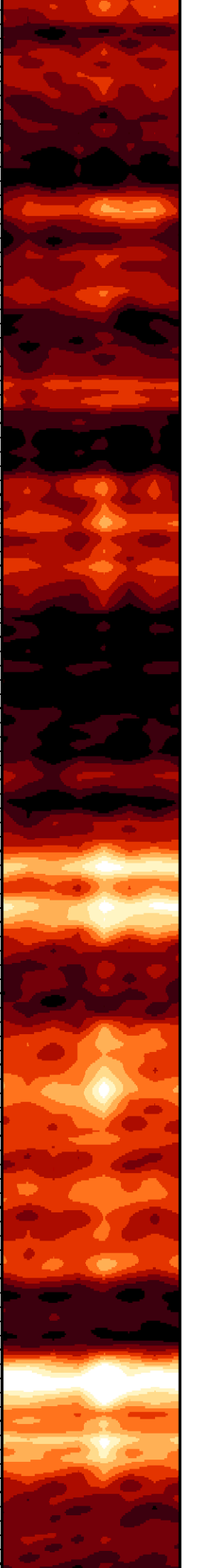




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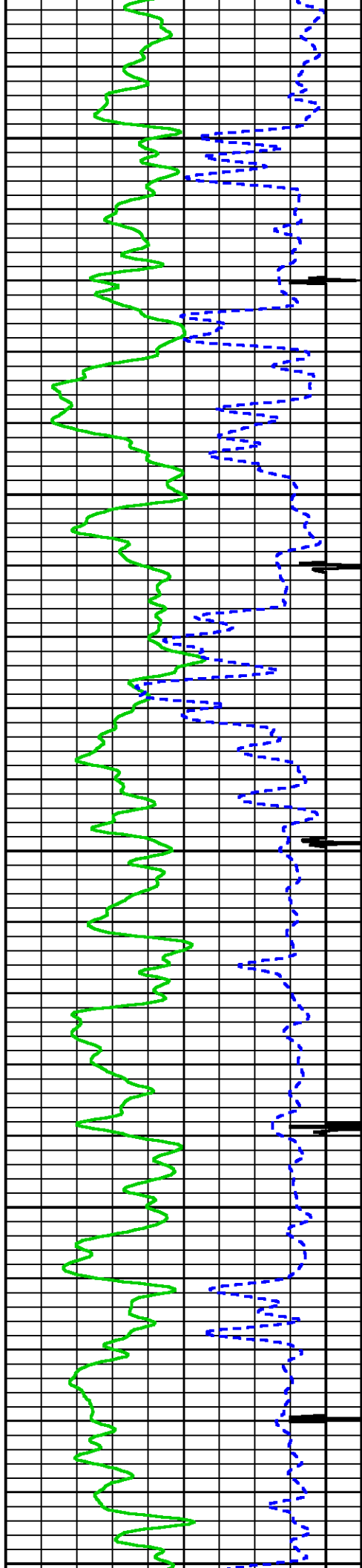


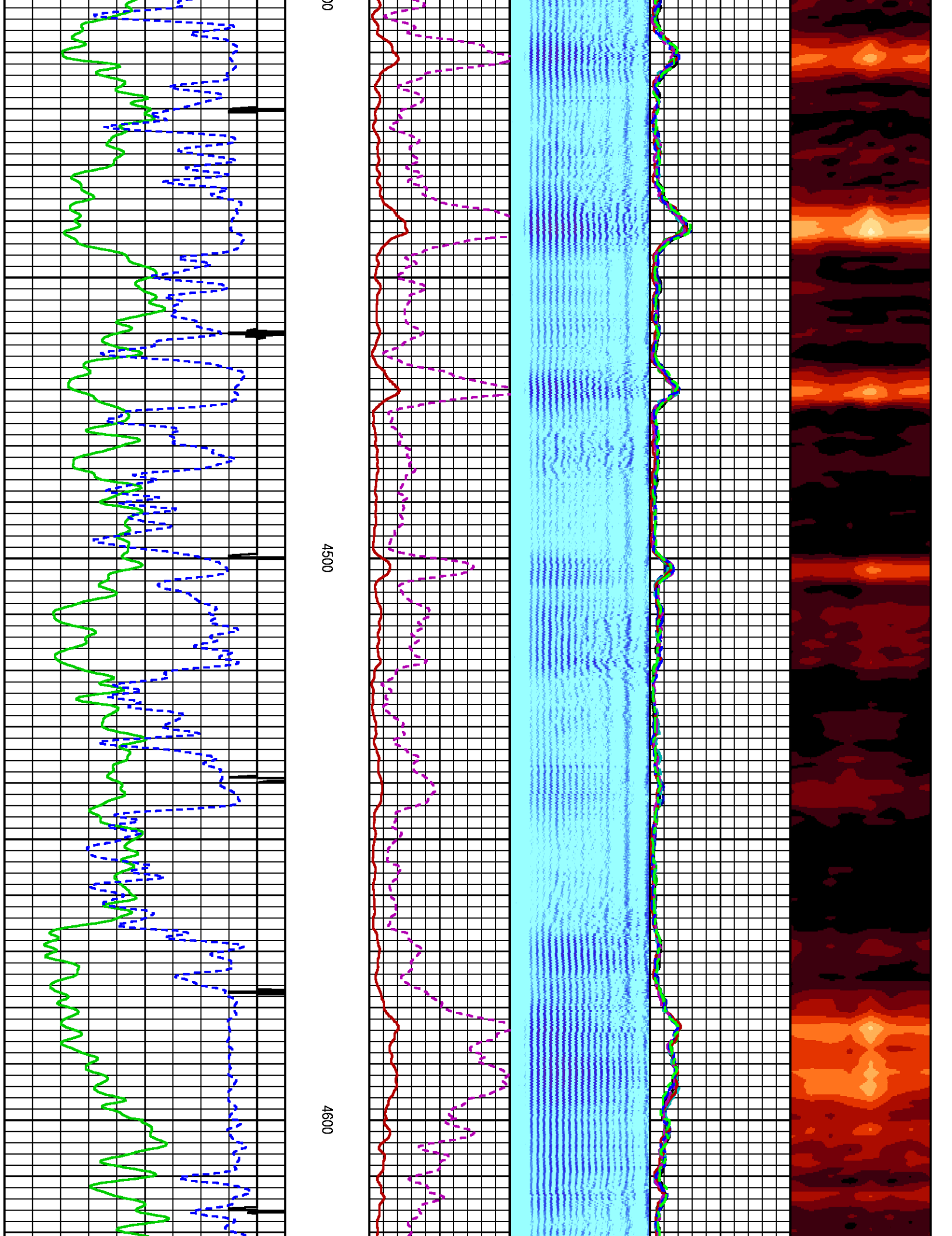


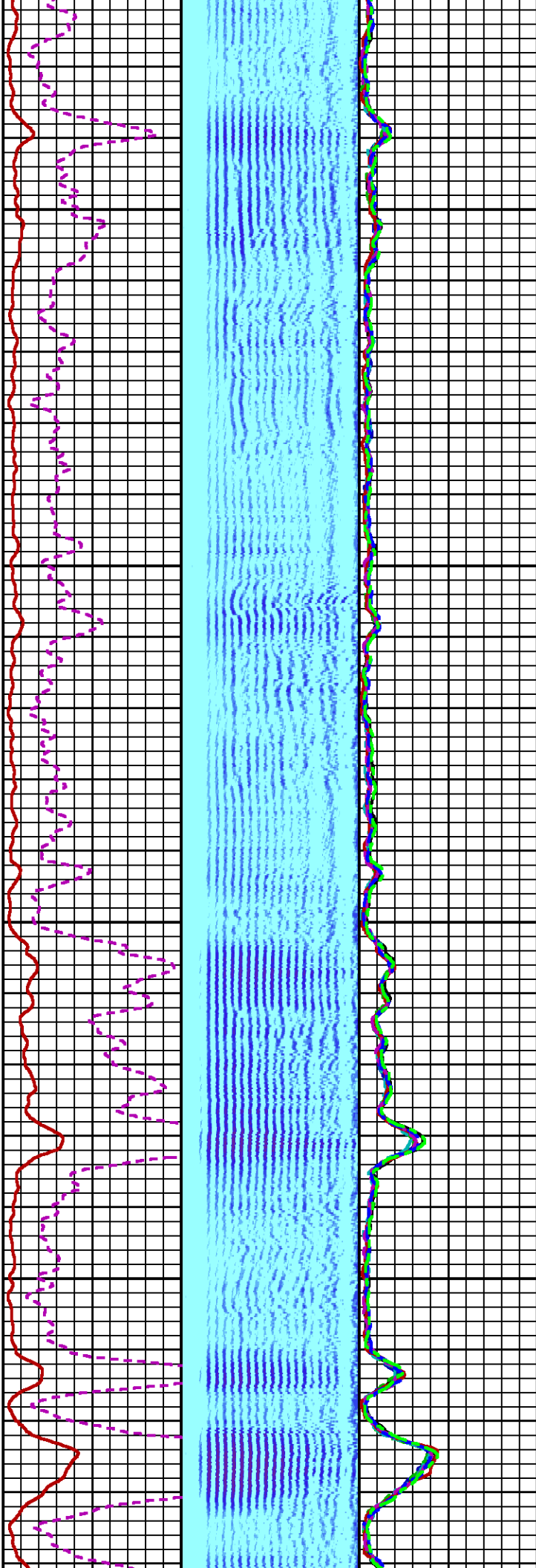
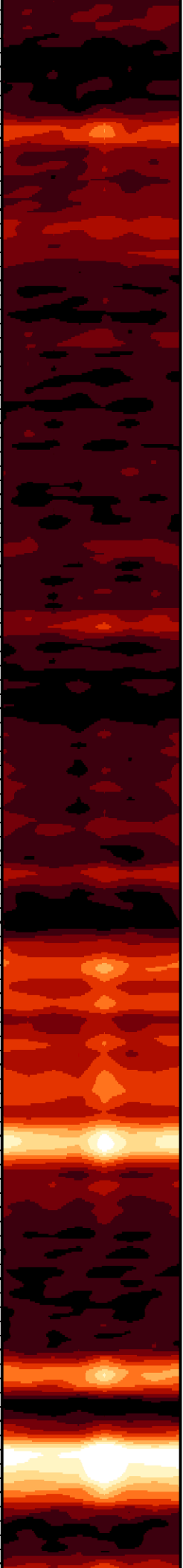
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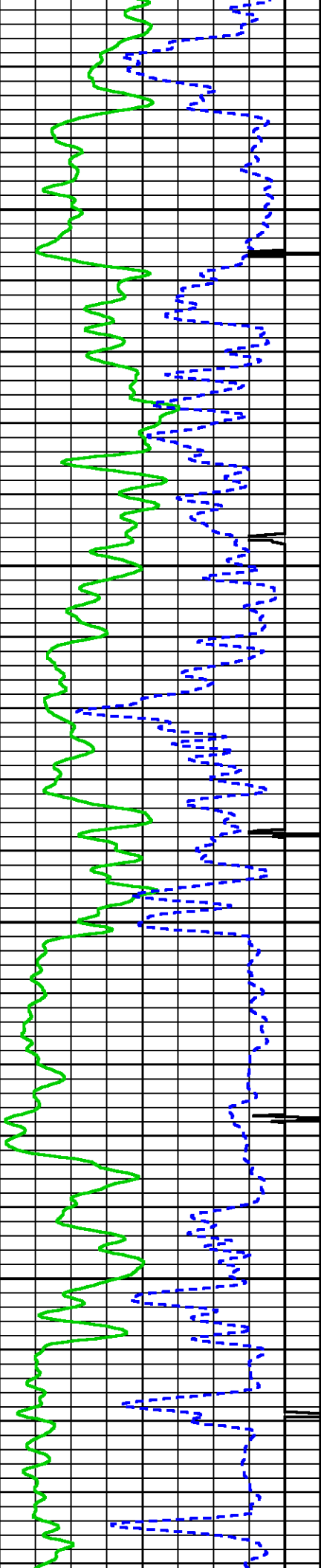


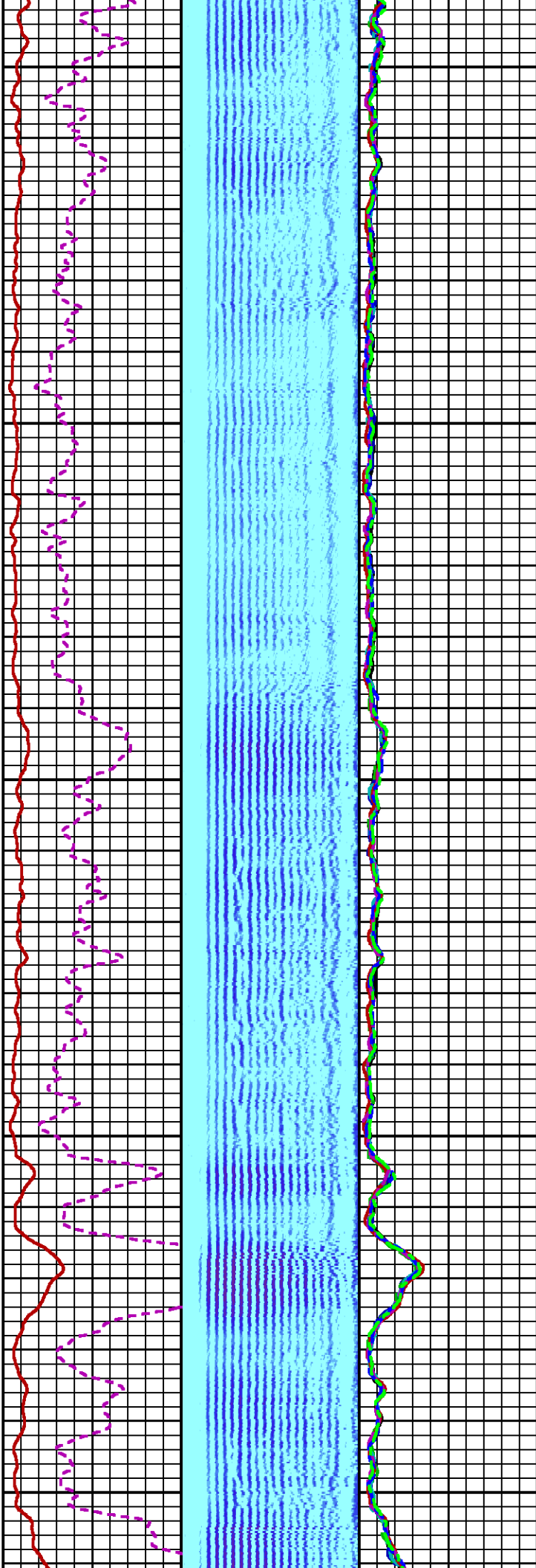
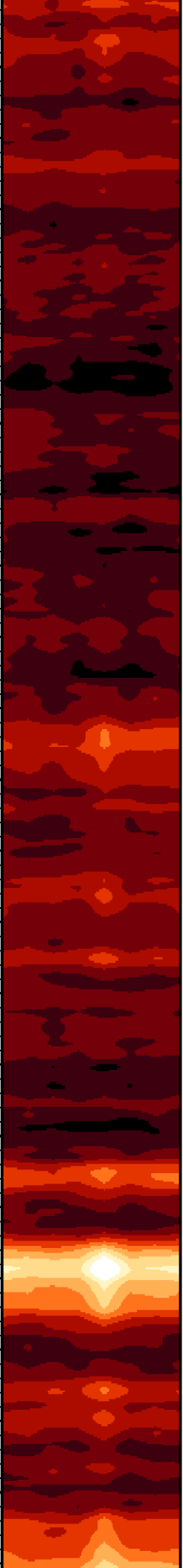




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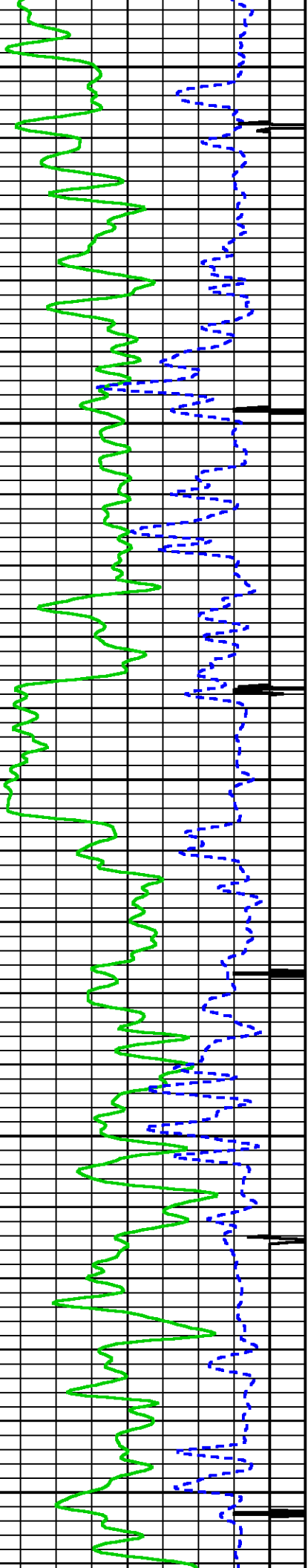
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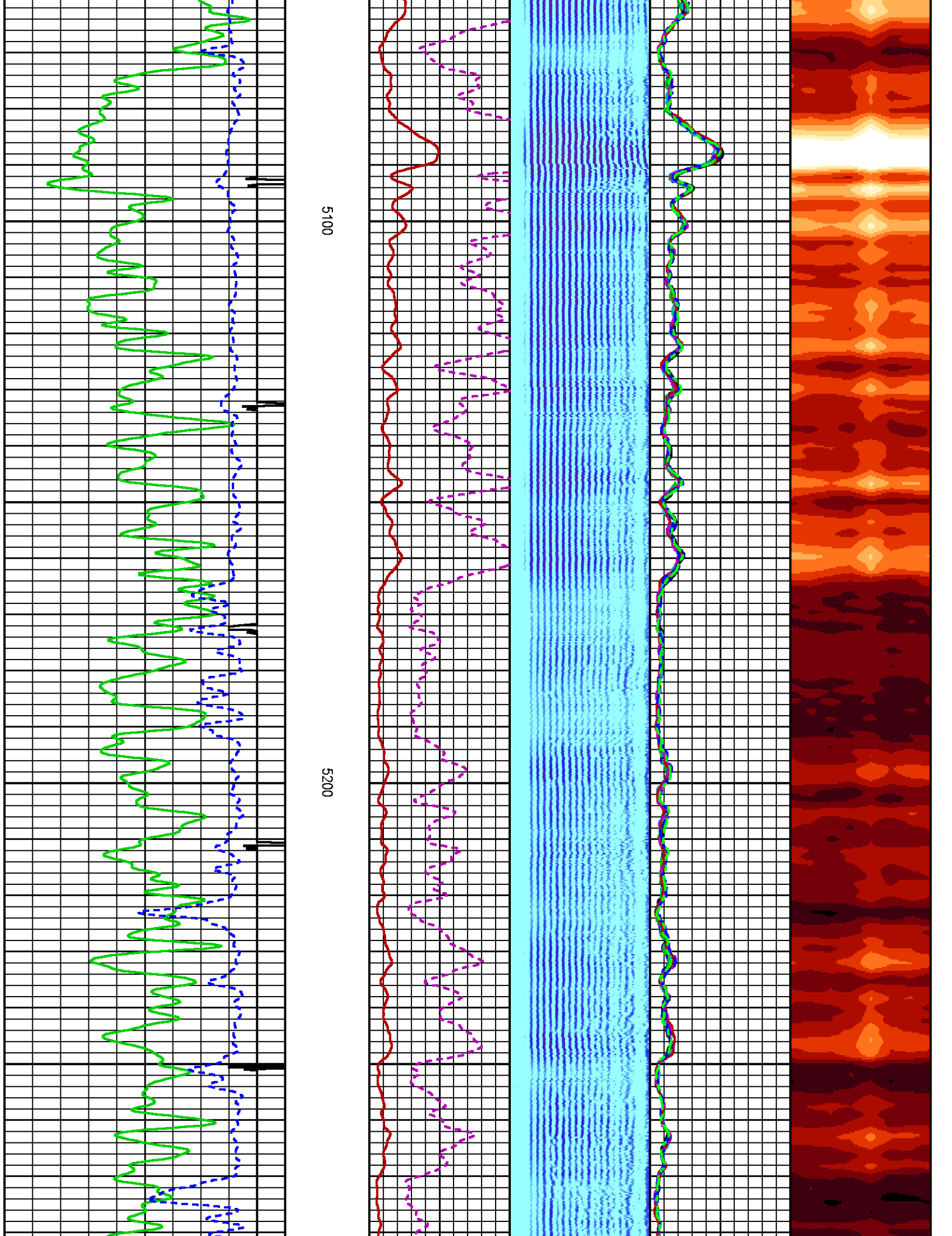


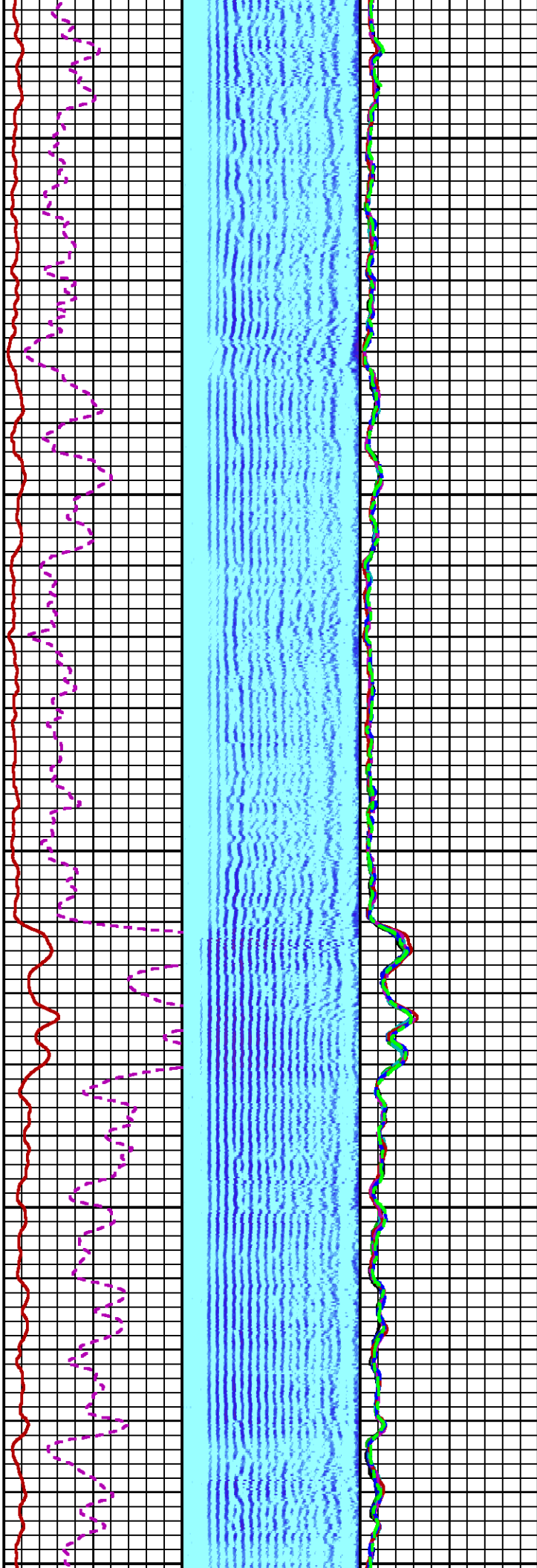
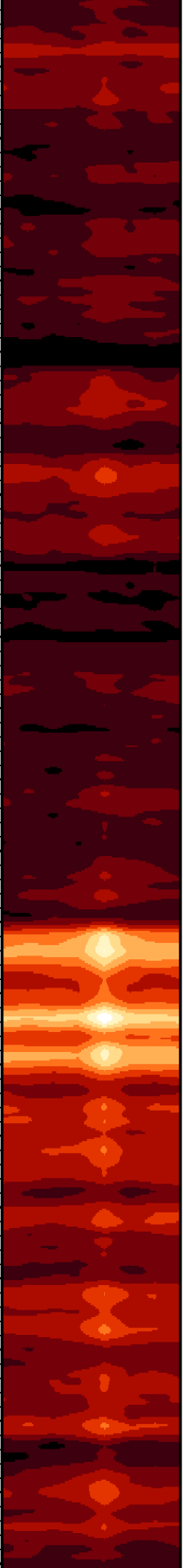


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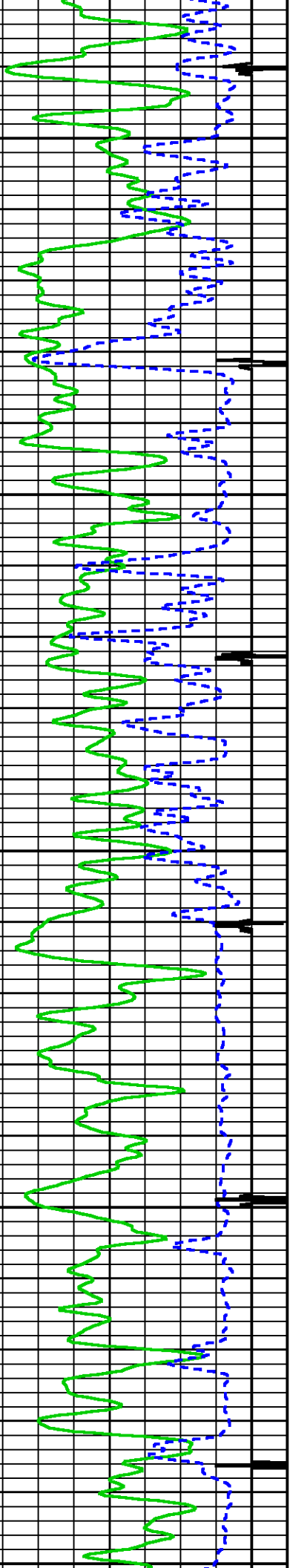


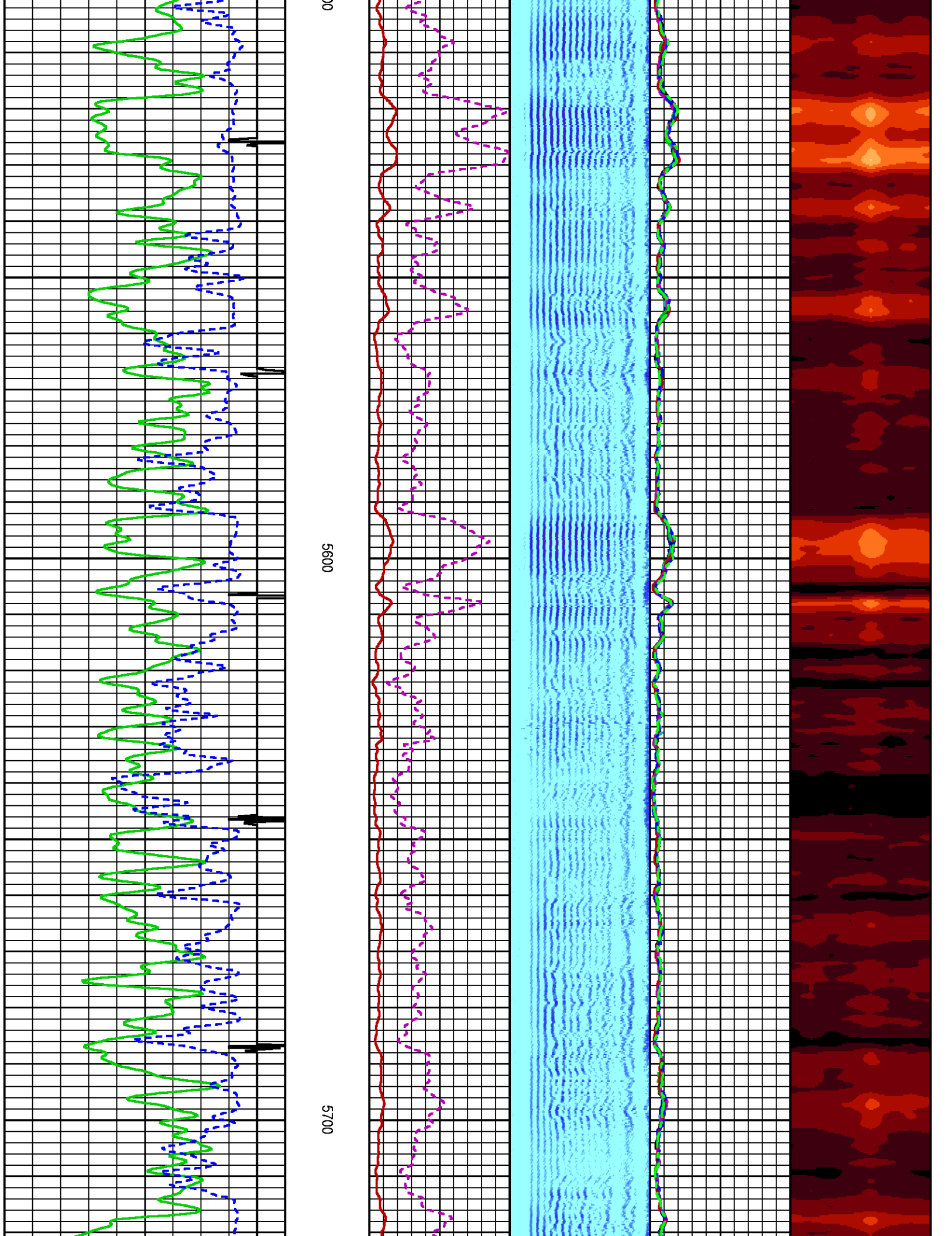


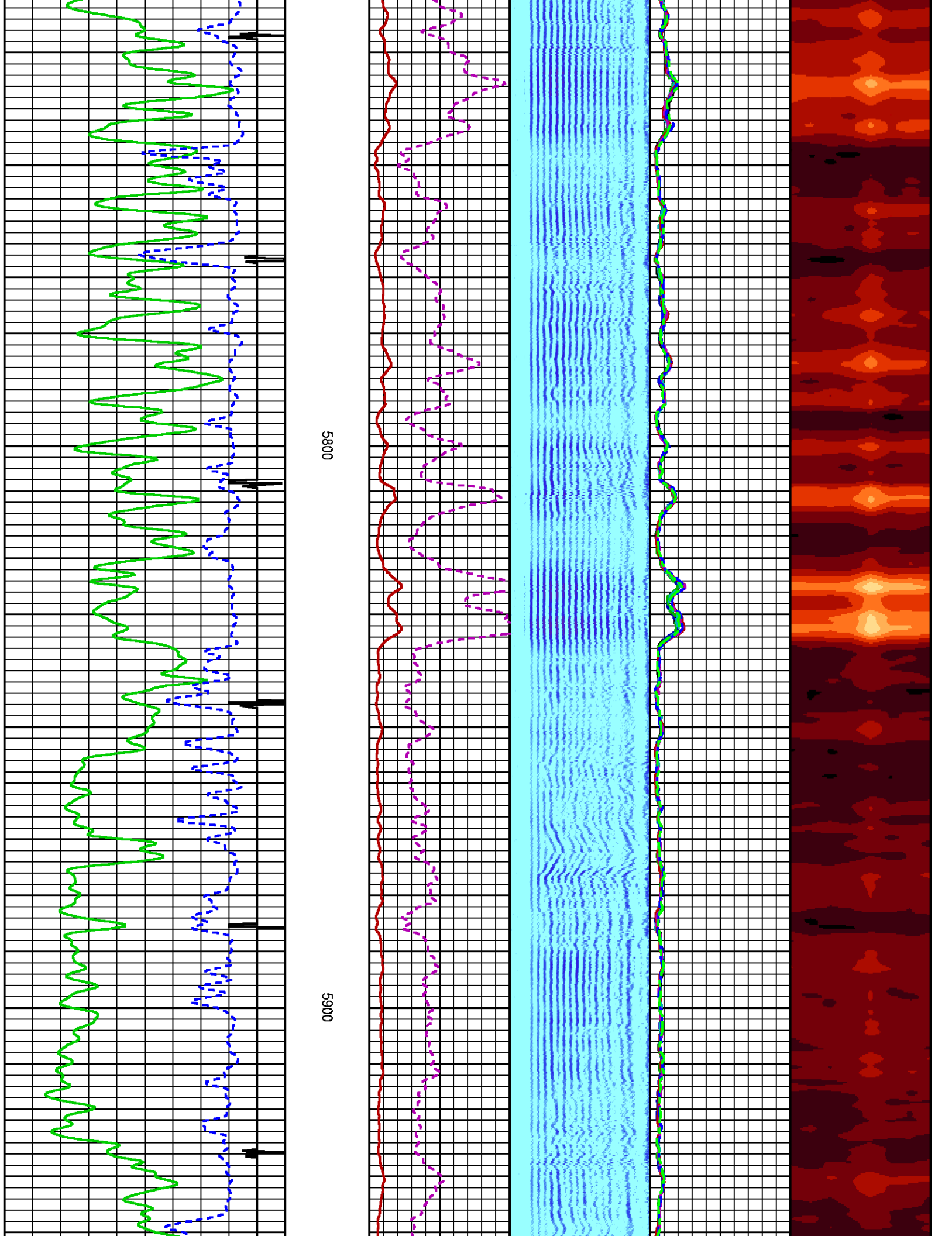
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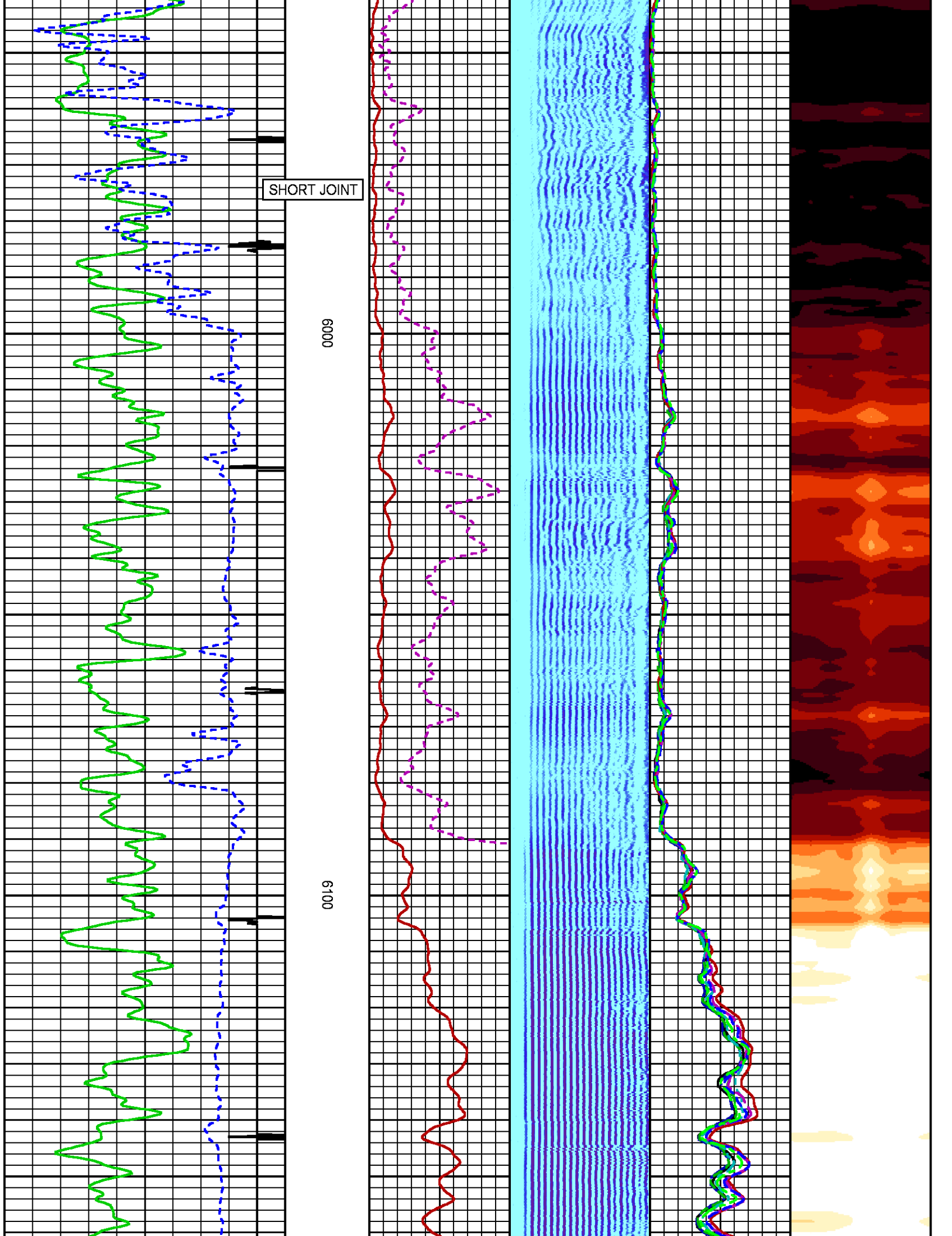
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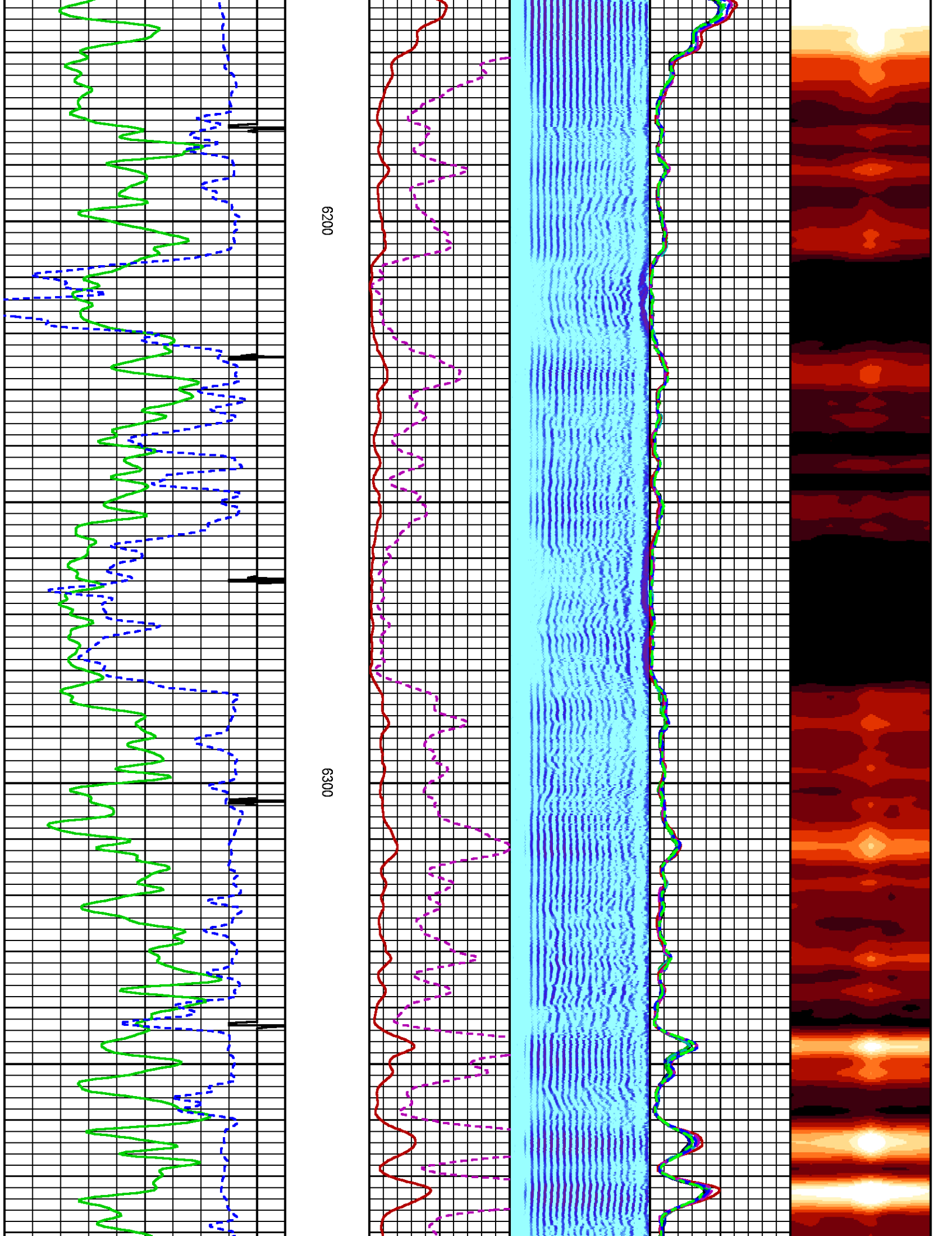
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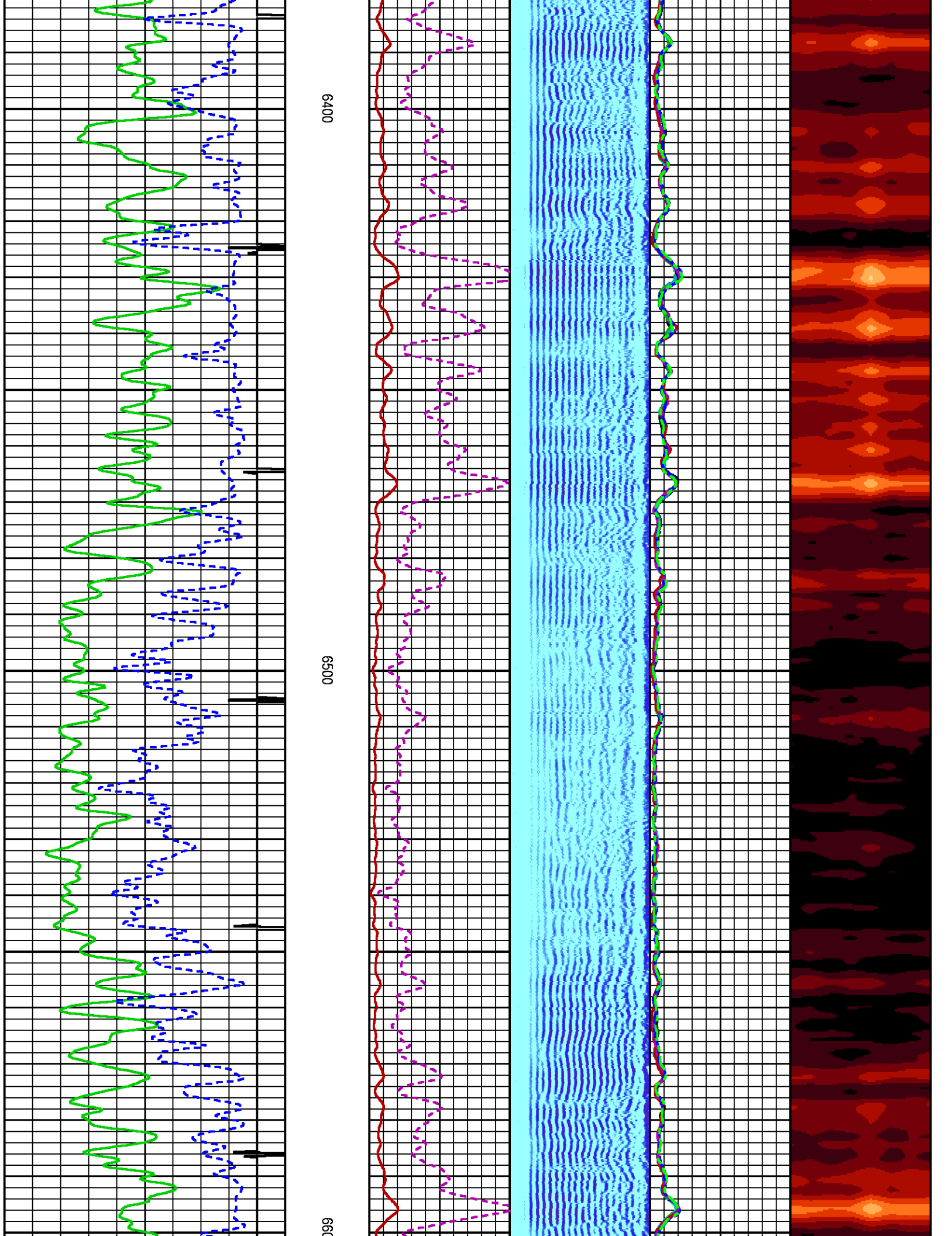


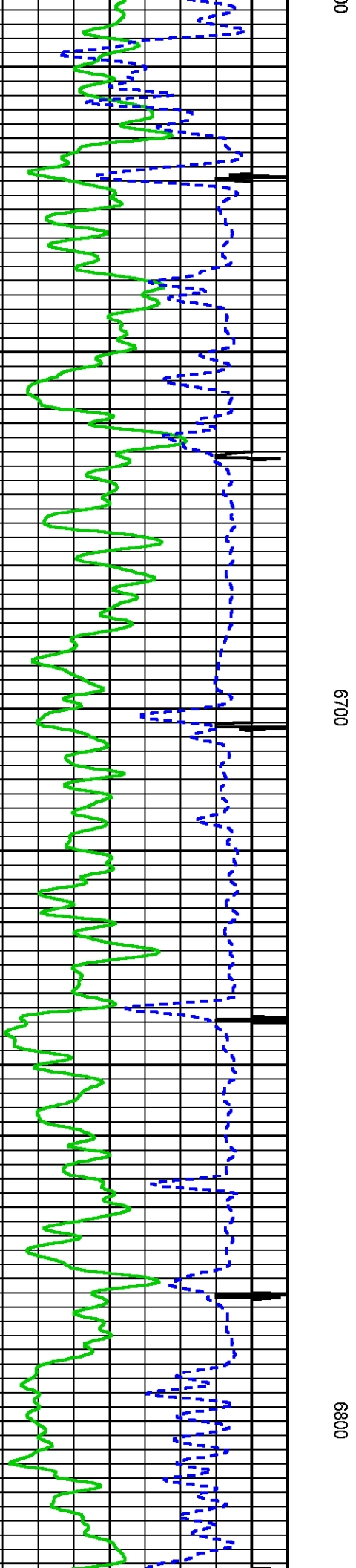
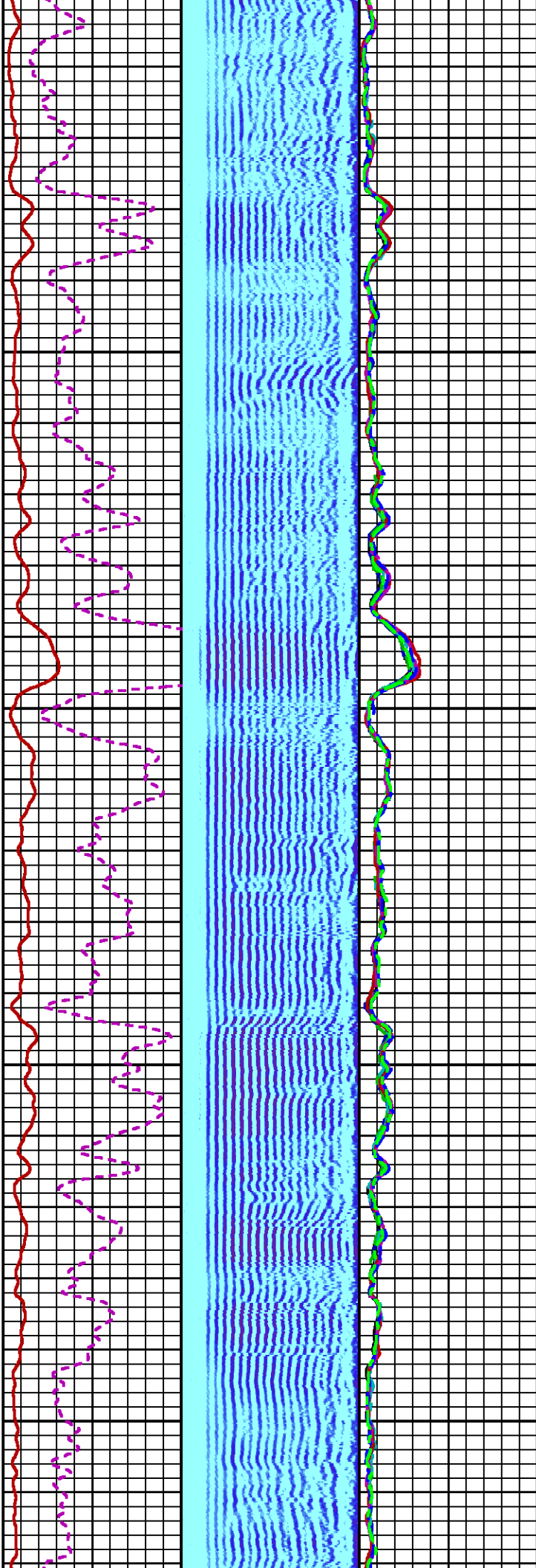


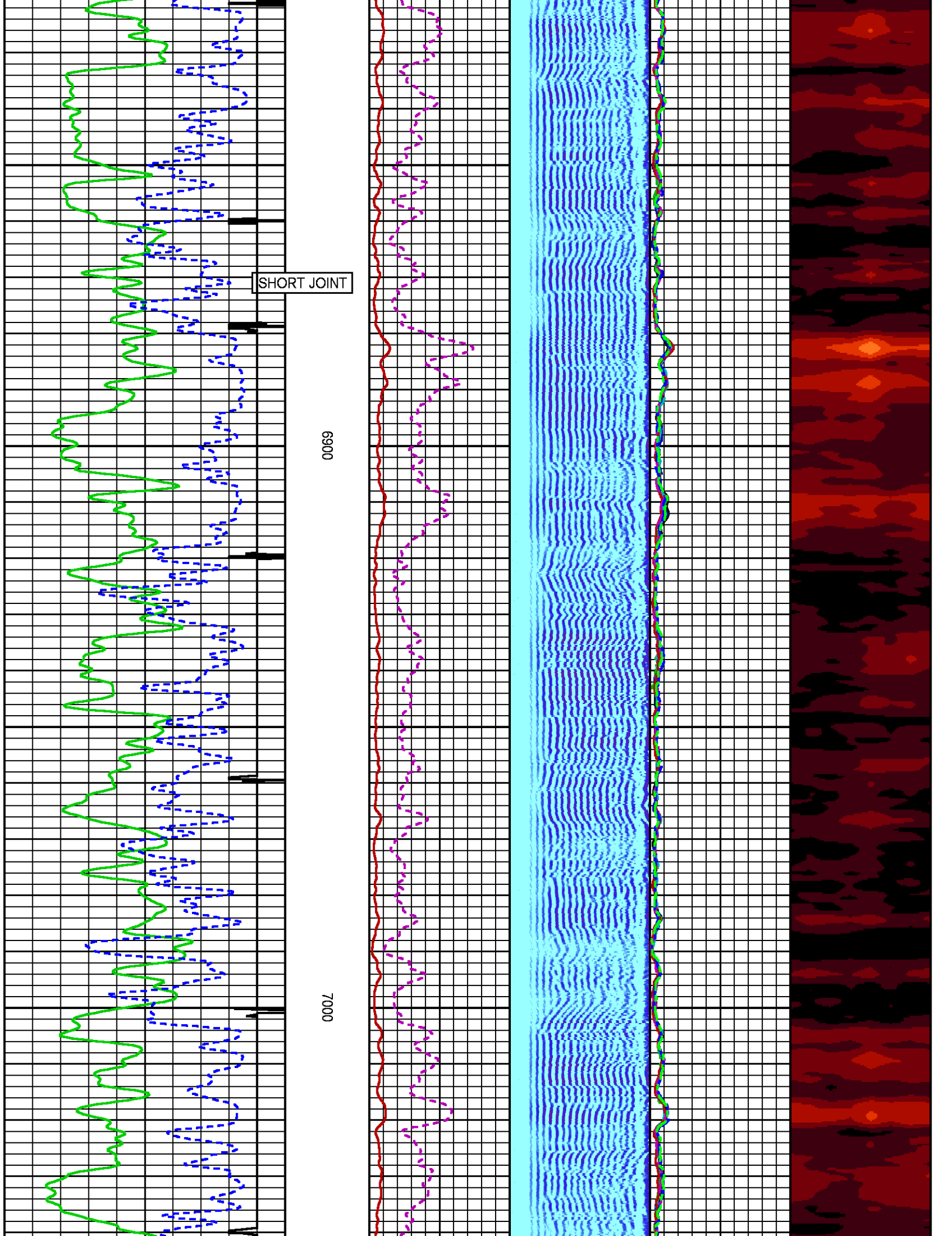


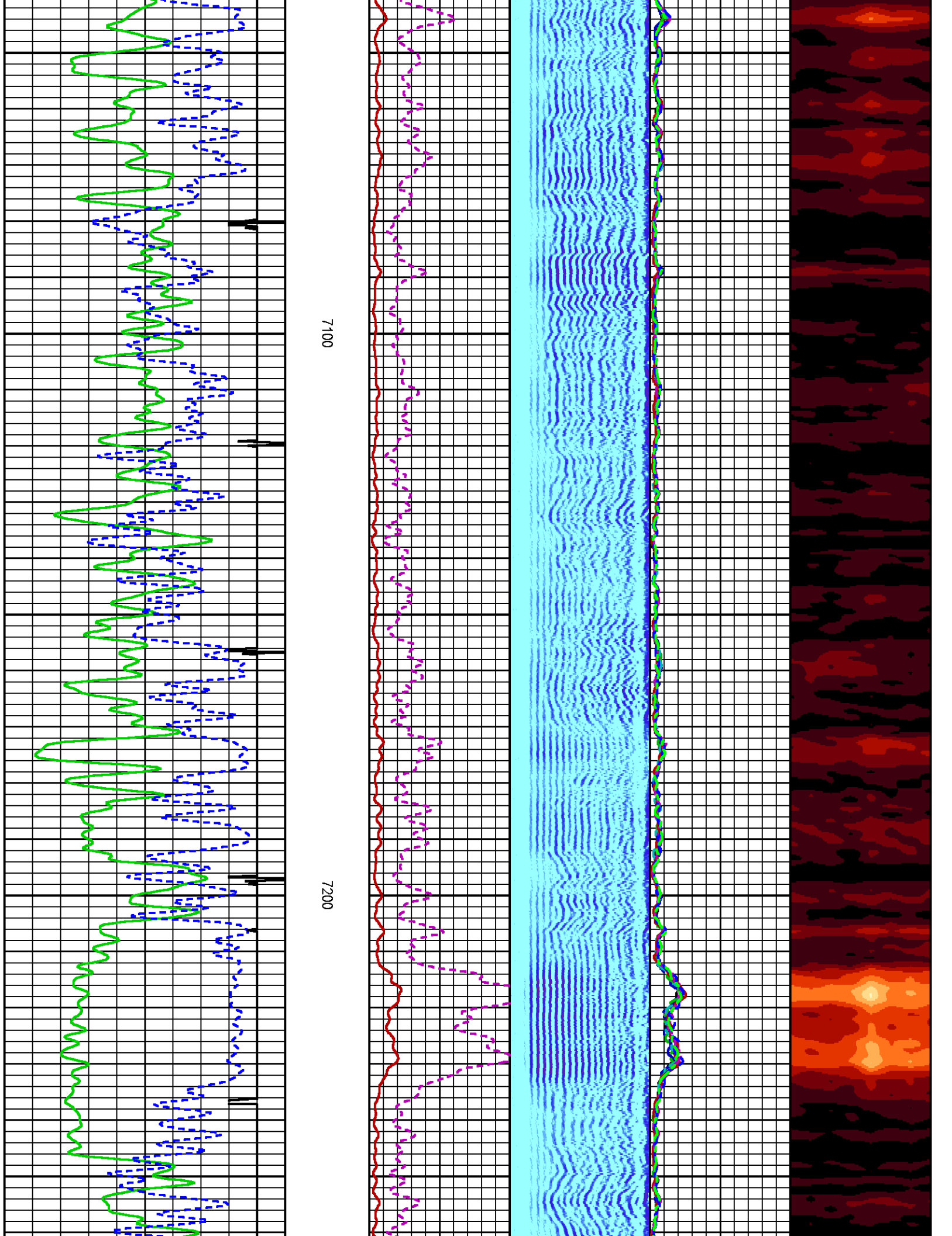


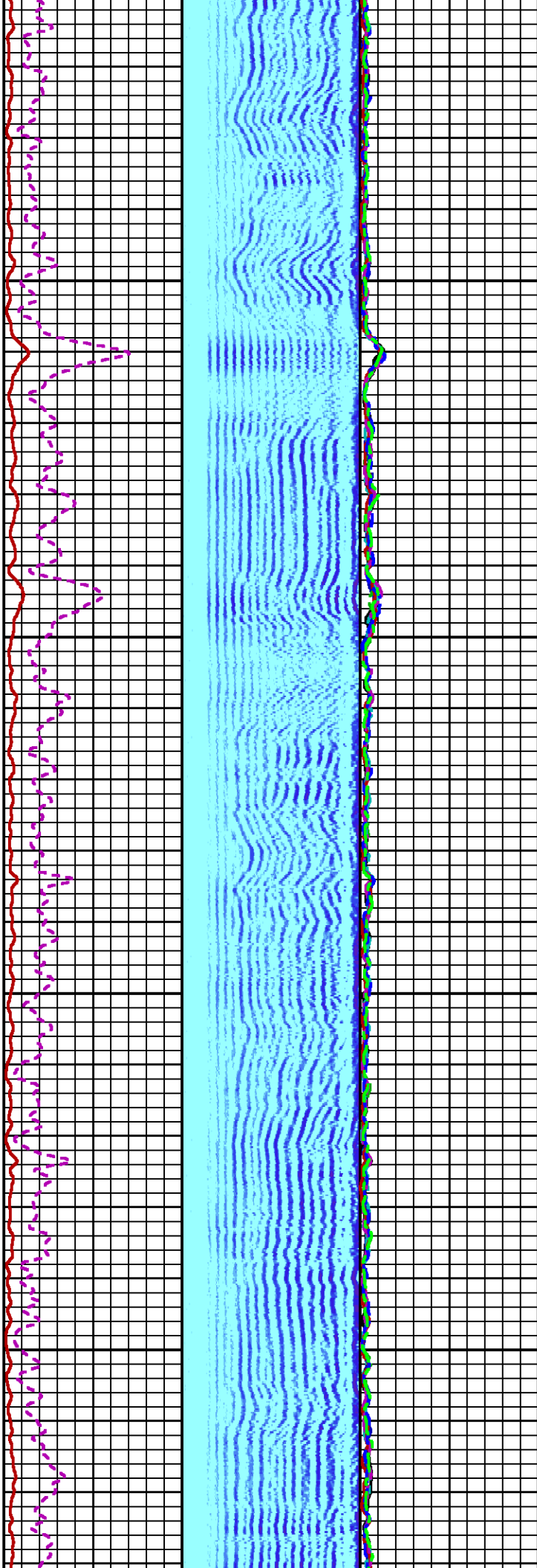






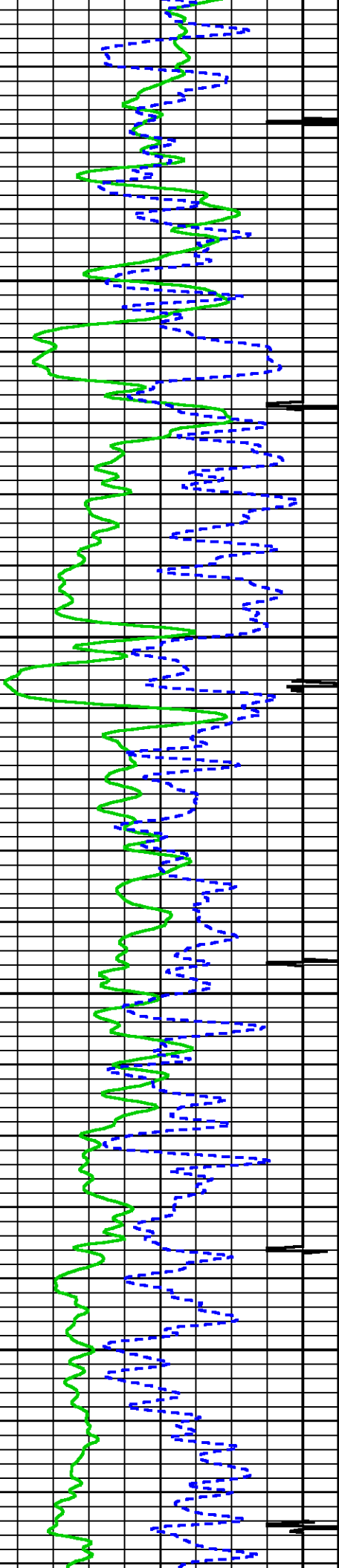


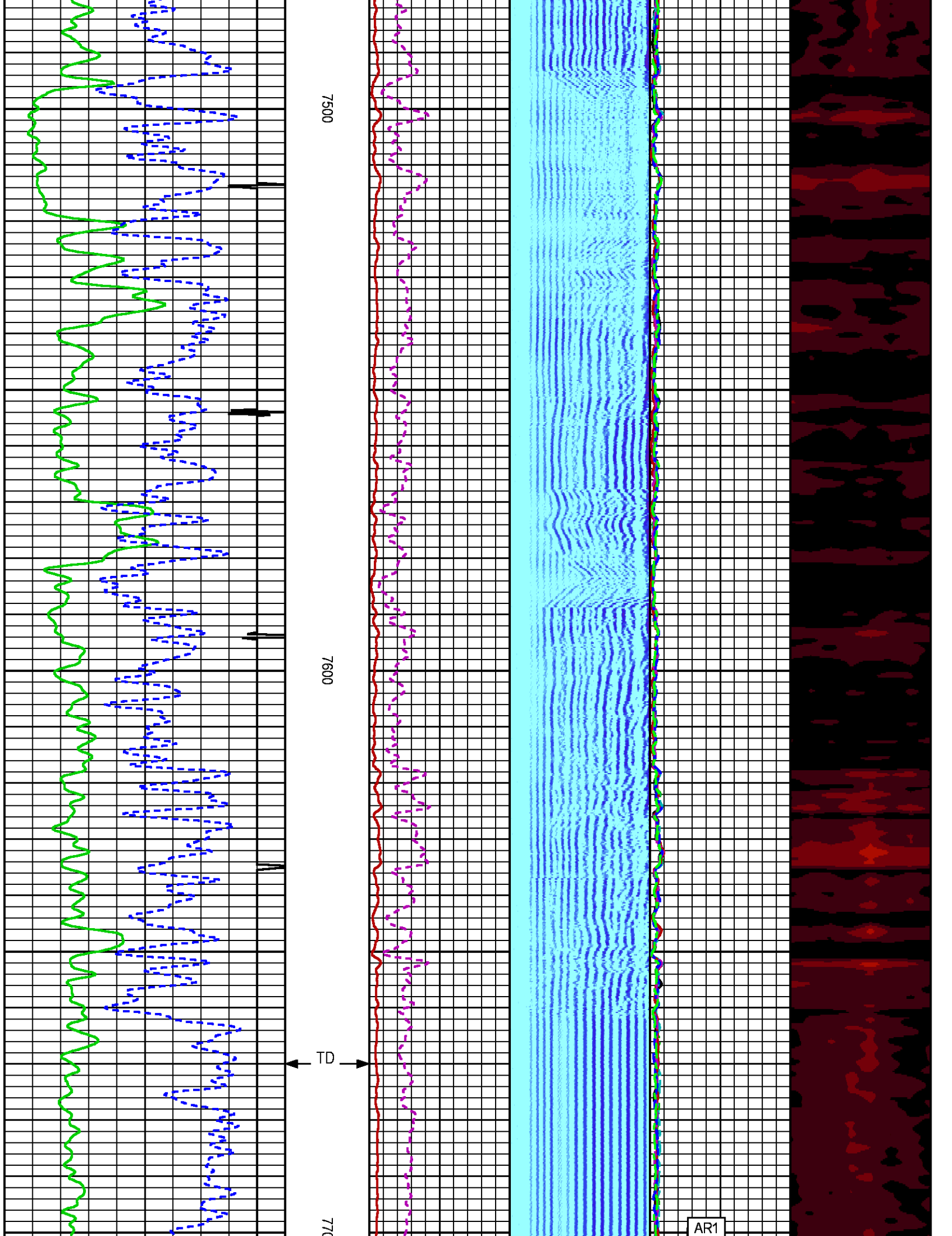


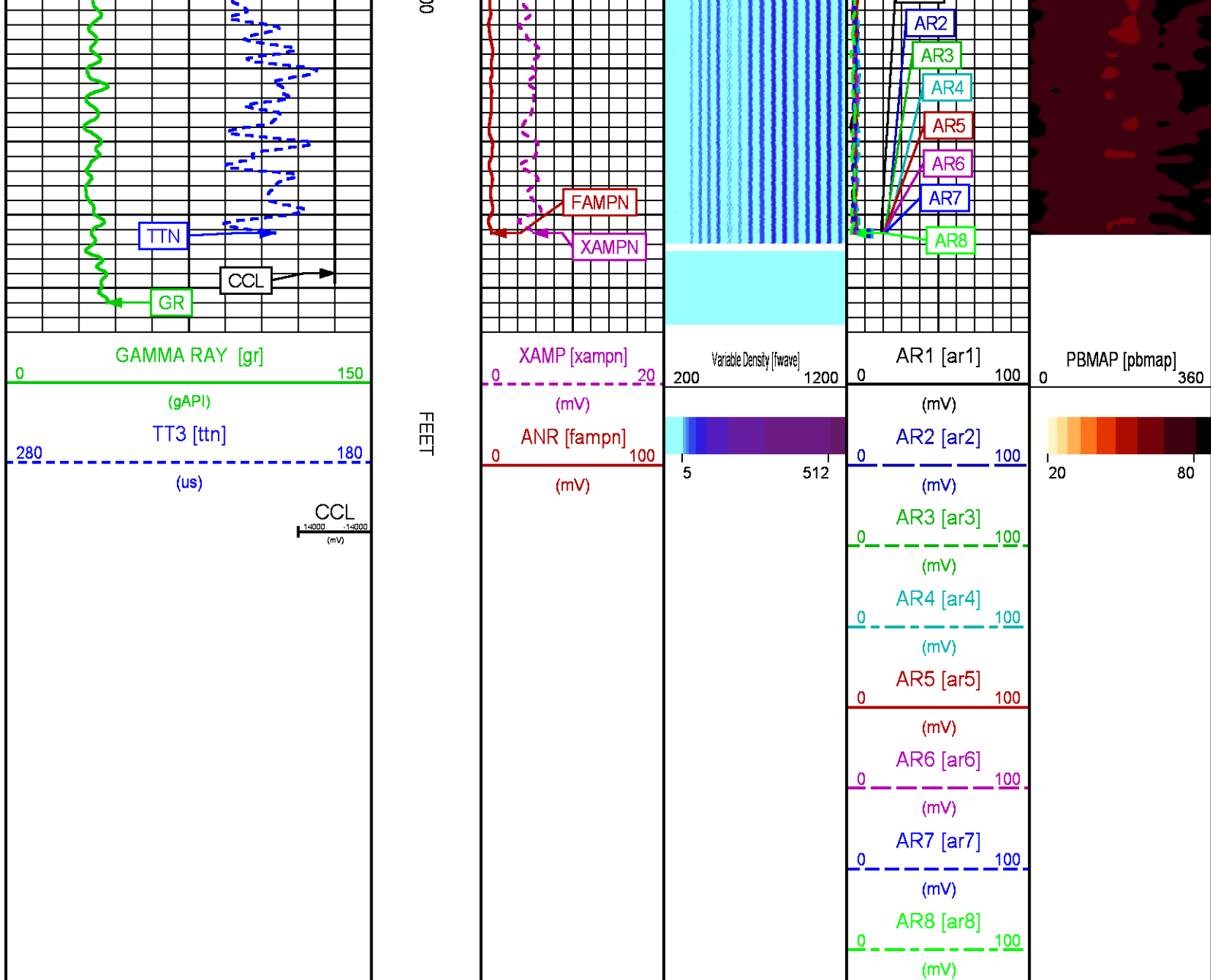


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REPEAT PASS 0 PSI

ECLIPS 7.0i ECLIPS General Release Rel 7.0i Thu Jun 08 20:36:10 CDT 2017
Patches: 3

Plotted: Thu Mar 15 17:56:59 2018

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/LARAMIE_NICHOLS_0994-24-01W/p012g01.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 7207.000 ft BOTTOM DEPTH: 7722.750 ft

SYMMETRIC FILTER

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) |
|------------------|-----------|------------|-------|---------------|
| GR | FILTER () | medium (1) | | TOP |
| AMPLITUDE | FILTER () | medium (1) | | BOTTOM |

| | | | | |
|---------------------------|----------------------------|---------------------------|-------|-------------------|
| AMPLITUDE | FILTER () | medium (1) | " | " |
| TRAVEL TIME | | | | |
| RAL CCL PROCESSING | | | | |
| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) |
| CCL FLOOR | CCL FLOOR | 4000.00 | | TOP BOTTOM |
| ANALOG RAL PROCESSING | | | | |
| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (ft) |
| AMPLITUDE WINDOW (NEAR) | AMP WINDOW START (fgp1*) | 185 | us | TOP BOTTOM |
| | AMP WINDOW START (fgp2*) | 185 | us | " " |
| | AMP WINDOW START (fgp3*) | 185 | us | " " |
| | AMP WINDOW START (fgp4*) | 185 | us | " " |
| | AMP WINDOW START (fgp5*) | 185 | us | " " |
| | AMP WINDOW START (fgp6*) | 185 | us | " " |
| | AMP WINDOW START (fgp7*) | 185 | us | " " |
| | AMP WINDOW START (fgp8*) | 185 | us | " " |
| | AMP WINDOW START (fgpn*) | 185 | us | " " |
| | AMP WINDOW LENGTH | 30 | us | " " |
| TRAVEL TIME WINDOW (NEAR) | TT WINDOW START (ttn*) | 181 | us | TOP 7331.000 |
| | | 179 | us | 7331.000 7336.250 |
| | | 178 | us | 7336.250 7338.000 |
| | | 176 | us | 7338.000 7340.500 |
| | | 175 | us | 7340.500 7345.000 |
| | | 174 | us | 7345.000 7394.750 |
| | | 173 | us | 7394.750 7396.250 |
| | | 171 | us | 7396.250 7397.000 |
| | | 170 | us | 7397.000 7399.500 |
| | | 169 | us | 7399.500 7403.250 |
| | | 168 | us | 7403.250 7406.500 |
| | | 167 | us | 7406.500 7408.500 |
| | | 166 | us | 7408.500 7410.000 |
| | | 165 | us | 7410.000 7411.250 |
| | | 161 | us | 7411.250 7413.000 |
| | | 160 | us | 7413.000 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 | " " |
| 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 | N/A | FIXED GATE AMPLITUDE T-R1 | | |
| F1:AR2 | N/A | FIXED GATE AMPLITUDE T-R2 | | |
| F1:AR3 | N/A | FIXED GATE AMPLITUDE T-R3 | | |

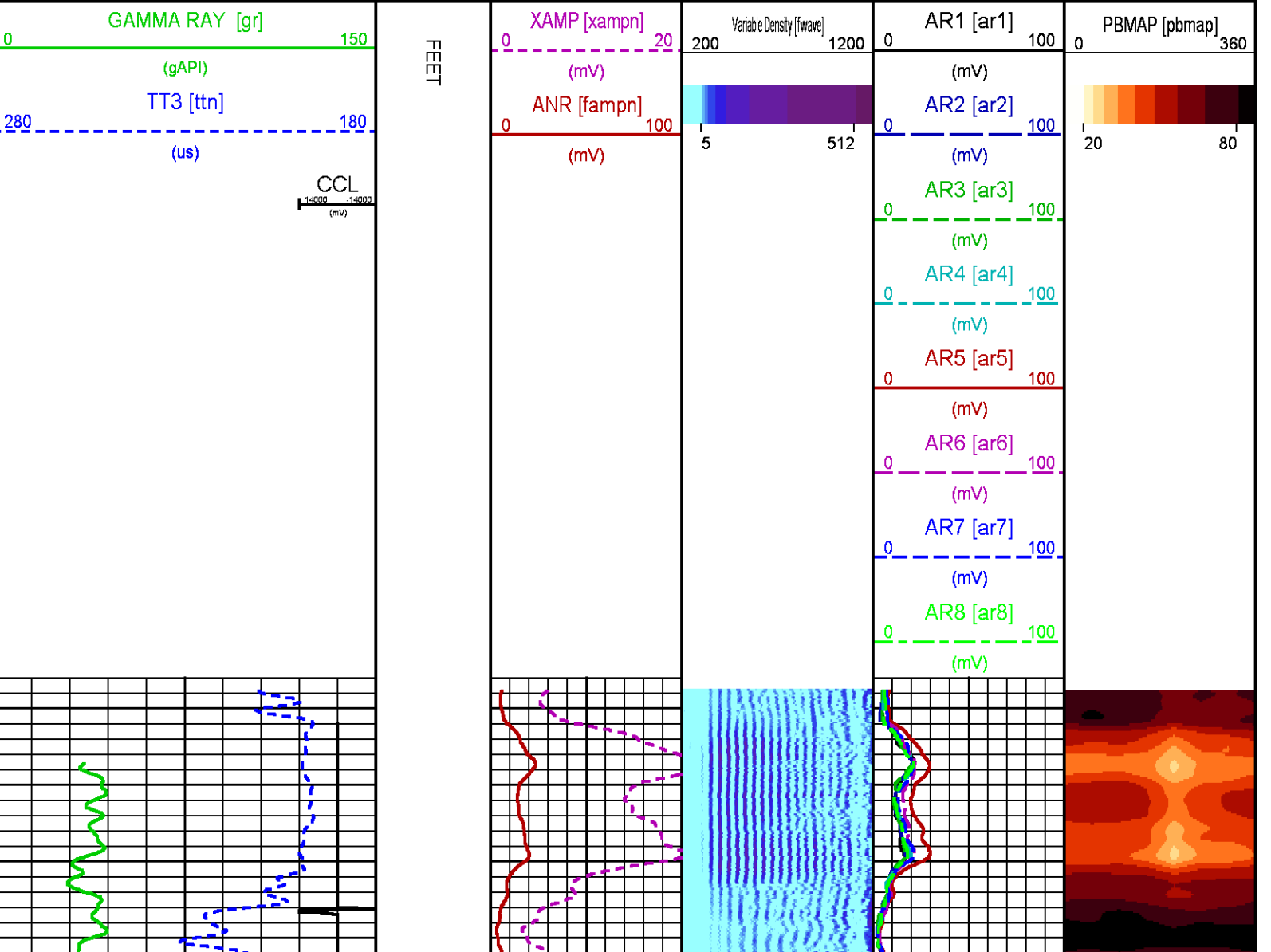
| | | |
|----------|-----|---|
| F1:AR4 | N/A | FIXED GATE AMPLITUDE T-R4 |
| F1:AR5 | N/A | FIXED GATE AMPLITUDE T-R5 |
| F1:AR6 | N/A | FIXED GATE AMPLITUDE T-R6 |
| F1:AR7 | N/A | FIXED GATE AMPLITUDE T-R7 |
| F1:AR8 | N/A | FIXED GATE AMPLITUDE T-R8 |
| F1:CCL | N/A | CASING COLLAR LOCATOR |
| F1:FAMPN | N/A | FIXED GATE AMPLITUDE NEAR RECEIVER |
| F1:FWAVE | N/A | FAR WAVE FORM |
| F1:GR | N/A | GAMMA RAY |
| F1:PBMAP | N/A | PERCENT BOND CEMENT MAP |
| F1:TTN | N/A | TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER |
| F1:XAMPN | N/A | FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE |

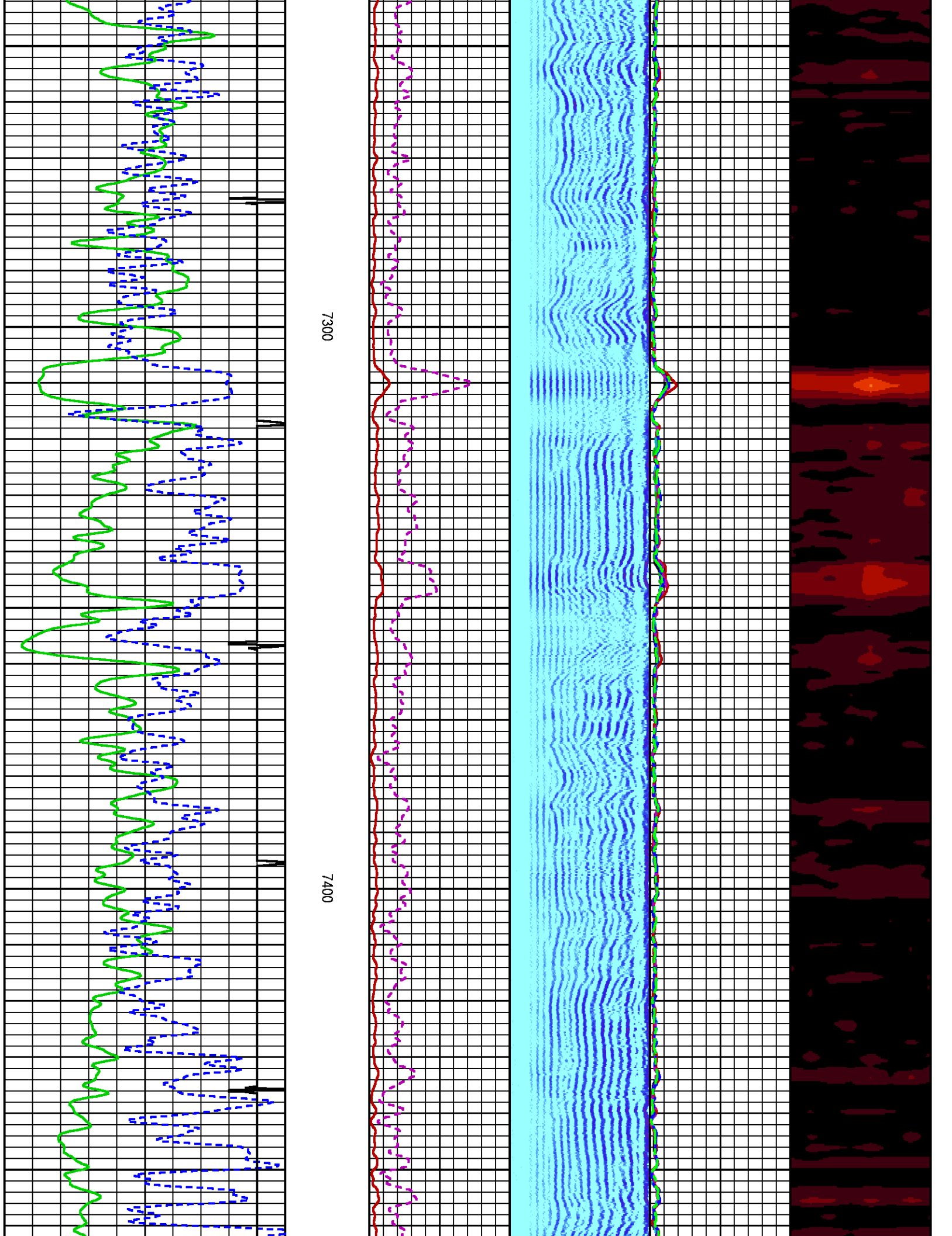
CURVE MEASURE POINT OFFSET

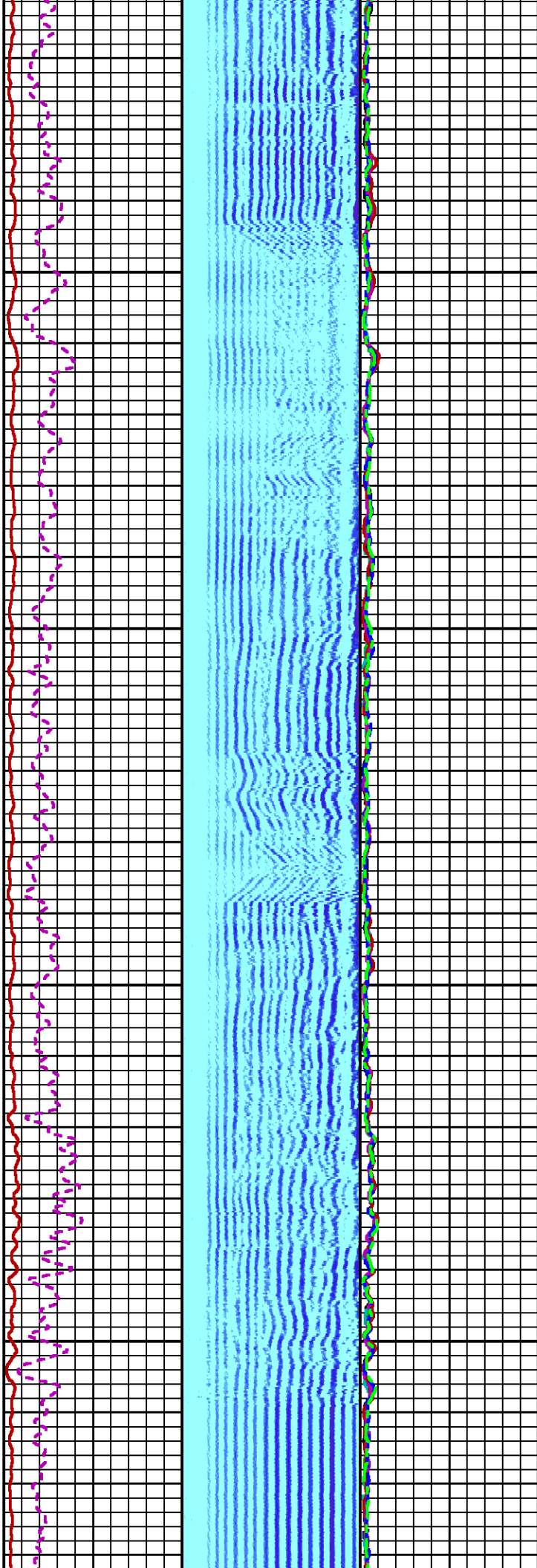
| CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) |
|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| AR1 | -11.25 | AR5 | -11.25 | CCL | -5.75 | XAMPN | -11.25 |
| AR2 | -11.25 | AR6 | -11.25 | FAMPN | -11.25 | | |
| AR3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

Presentation : SysA:LARAMIE_RALRPT.fvpdf [5"/100' Scale]
Plot Interval : 7207.5 - 7732.75 Feet

Data File 1 : F1 : SysA:/dat1a/LARAMIE_NICHOLS_0994-24-01W/RAL_REPEAT.xtf
Created On : N/A
Company : LARAMIE ENERGY II LLC
Well : NICHOLS 0994-24-01W
Field : VEGA
File Interval : 7206.5 - 7734 Feet
OCT : p012g

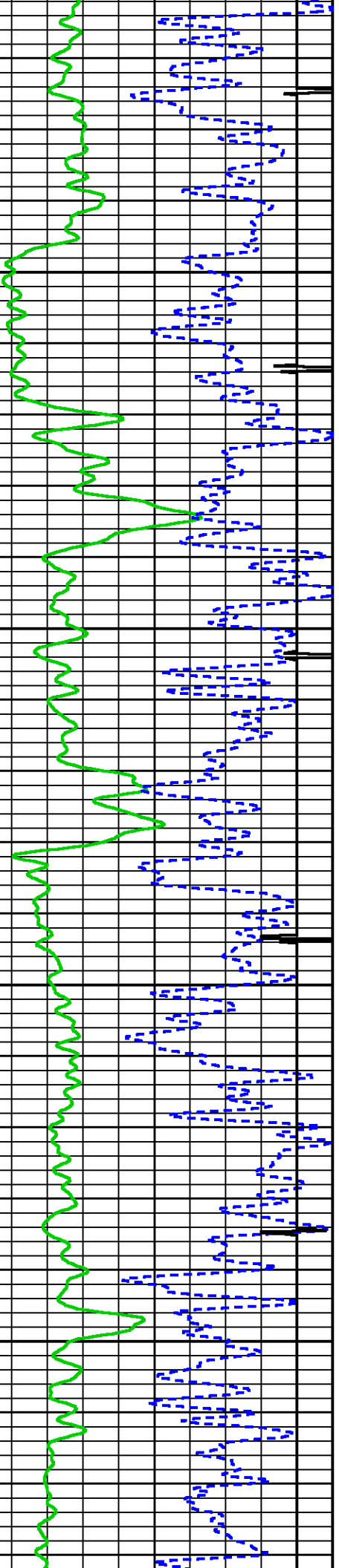


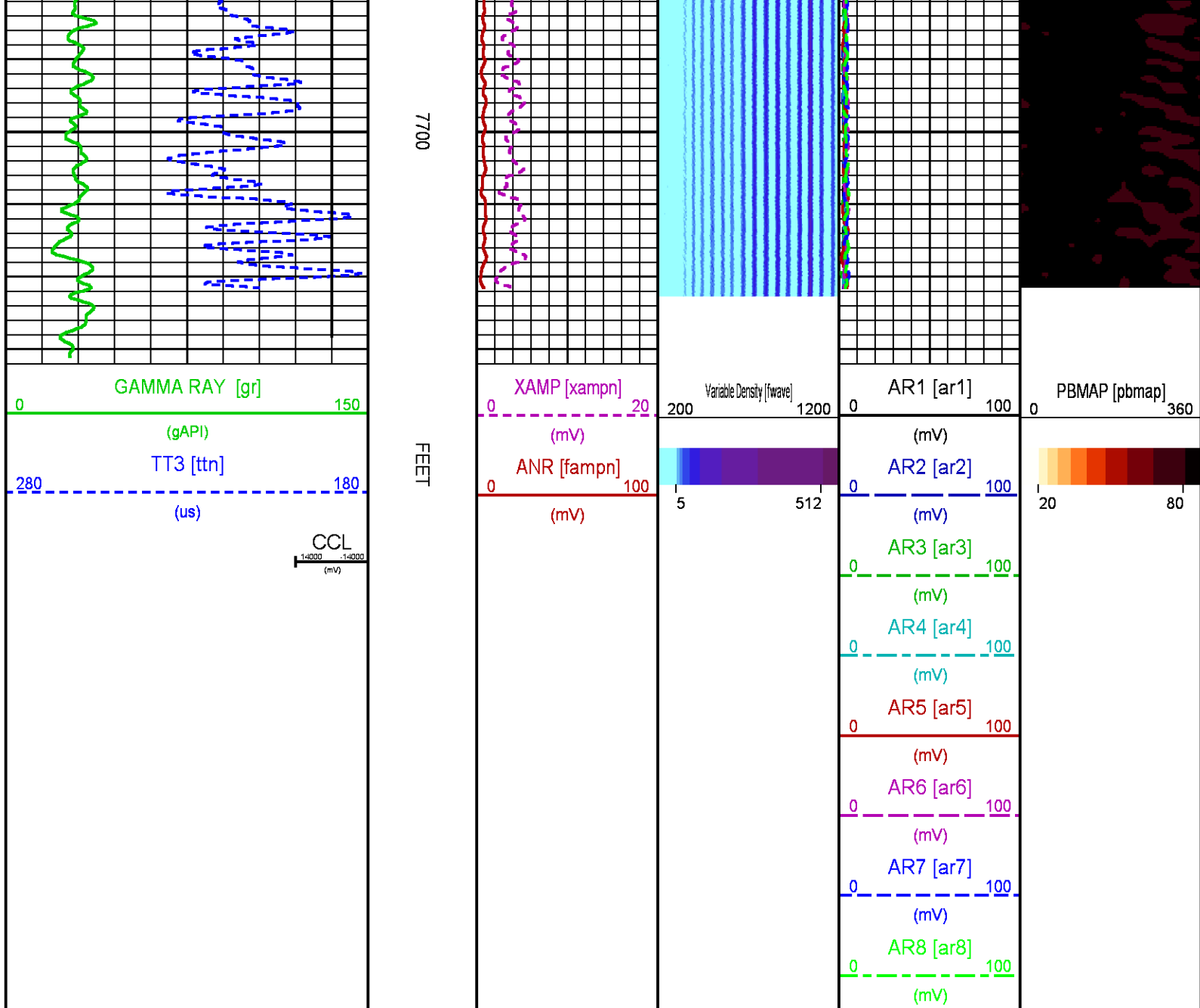




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CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/LARAMIE_NICHOLS_0994-24-01W/p012g.tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10404539a

DATE/TIME PERFORMED: Thu Mar 15 13:12:11 2018

UNIT #: 5753XD 111111

| | 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) | -0.18 | -0.21 | -0.21 | -0.14 | -0.15 | -0.40 | -0.15 | -0.11 | -0.25 | -1.12 | 0.03 |
| AMP FLUID (mV) | 44 | 44 | 44 | 44 | 43 | 44 | 44 | 44 | 44 | 61 | 45 |
| TT (us) | 215 | 216 | 216 | 215 | 215 | 214 | 214 | 214 | 216 | 322 | 217 |
| M FACTOR | 2.24 | 2.25 | 2.27 | 2.29 | 2.29 | 2.24 | 2.26 | 2.25 | 2.24 | 2.42 | 2.23 |

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10404539a DATE/TIME PERFORMED: Thu Mar 15 13:19:15 2018 DAYS SINCE CAL: 0

UNIT #: 5753XD 111111 CABLE #: ML4291 SMALLINE

| | NEAR (mV) | R1 (mV) | R2 (mV) | R3 (mV) | R4 (mV) | R5 (mV) | R6 (mV) | R7 (mV) | R8 (mV) | FAR (mV) | CAL (mV) |
|---------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|
| ZERO | 0.02 | -0.03 | 0.05 | 0.17 | -0.10 | -0.09 | -0.09 | -0.21 | -0.17 | 0.16 | -0.06 |
| AMP AIR | 2.25 | 1.10 | 1.67 | 1.73 | 1.76 | 0.12 | 1.47 | 1.42 | 1.33 | 2.31 | 101.25 |

| SHOP M FACTOR | SHOP A FACTOR | WIREFINE FACTOR |
|------------------|------------------|--------------------|
| 2.23 | 0.00 | 0.99 |

GR PRIMARY CALIBRATION SUMMARY

TOOL #: 1355XA 12670180 DATE/TIME PERFORMED: Wed Feb 7 16:57:59 2018

UNIT #: 3882TD HL6741 CALB JIG #: 4702NK DA_228

| | BACKGROUND (cts) | CALBRTR ON (cts) | CR DIFF (cts/s) | MULT | BACKGROUND (gAPI) | CALBRTR ON (gAPI) | CALBRTR (gAPI) |
|----|---------------------|---------------------|--------------------|-------|----------------------|----------------------|-------------------|
| GR | 48.98 | 223.16 | 174.2 | 0.574 | 28.12 | 128.12 | 100 |

GR PRIMARY VERIFICATION SUMMARY

TOOL #: 1355XA 12670180 DATE/TIME PERFORMED: Wed Feb 7 16:59:44 2018

UNIT #: 3882TD HL6741 VERI JIG #: 4702NK DA_228

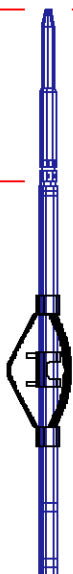
| | BACKGROUND (cts) | CALBRTR ON (cts) | MULT | BACKGROUND (gAPI) | CALBRTR ON (gAPI) | DIFF. (gAPI) |
|----|---------------------|---------------------|-------|----------------------|----------------------|-----------------|
| GR | 49.82 | 213.56 | 0.574 | 28.60 | 122.61 | 94.00 |
| | | | | | | 90.00 110.00 |

INSTRUMENT CONFIGURATION

Source File: /dat1a/LARAMIE_NICHOLS_0994-24-01W/p012g--tdg

CABLEHEAD

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



20.38'

RADIAL BOND TOOL

Diameter : 2.75"

Length : 11.17'
 Weight : 126 lbs
 Series : 1426XA
 Mnemonic : RAL
 Measure Point: 5.75': XMTR
 Measure Point: 4.21': NEAR MP
 Measure Point: 3.25': FAR MP
 Measure Point: 2.67': NEAR RCVR
 Measure Point: 0.75': FAR RCVR

XMTR — 12.71'
 NEAR MP — 11.17'
 FAR MP — 10.21'
 NEAR RCVR — 9.62'
 FAR RCVR — 7.71'
 CCL — 5.79'
 GR — 1.67'
 TEMP — 0.17'
 0.00'

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

**BAKER
HUGHES**
 a GE company



ECLIPS

COMPANY LARAMIE ENERGY II LLC
WELL NICHOLS 0994-24-01W
FIELD VEGA
COUNTY MESA **STATE** COLORADO

FILE NO: _____
API NO: 05077104180000

LOCATION:

SHL 1786 FNL 2789 FEL
 BHL 118 FNL 1539 FEL

SEC 24 **TWP** 9S **RGE** 94W

ELEVATIONS:

KB 7161 FT
 DF
 GL 7137 FT

DATE 15-Mar-2018