



RADIAL ANALYSIS BOND LOG

| | |
|---|--|
| FILE NO: US086321 | COMPANY WPX ENERGY INC |
| API NO: 05045221350000 | WELL WPX ENERGY PA 544-3 |
| | FIELD PARACHUTE |
| | COUNTY GARFIELD |
| | STATE CO |
| Ver. 3.87 S3 T7S R9SW PAD: GV 86-2 RIG: AZTEC 1000 | LOCATION: SHL: 2023' FSL 244' FWL S2 T7S R9SW BHL: 244' FSL 509' FEL S3 T7S R9SW |
| | OTHER SERVICES RPM |
| PERMANENT DATUM LOG MEASURED FROM DRILL. MEAS. FROM | GL KB KB ELEVATION 5821 FT 25 FT ABOVE P.D. ELEVATIONS: KB 5846 FT DF GL 5821 FT |
| SEC 3 | TWP 7S |
| RGE 9SW | |

| | | | |
|------------------------|-----------------------|-----------|---|
| DATE | 17-May-2014 | | |
| RUN | TRIP | 1 | 1 |
| SERVICE ORDER | US086321 | | |
| DEPTH DRILLER | 8143 FT | | |
| DEPTH LOGGER | 8122 FT | | |
| BOTTOM LOGGED INTERVAL | 8112 FT | | |
| TOP LOGGED INTERVAL | 25 FT | | |
| TIME STARTED | 0700 | | |
| TIME FINISHED | 1030 | | |
| OPERATOR RIG TIME | 3.5 HR | | |
| TYPE OF FLUID IN HOLE | WATER | | |
| FLUID DENSITY | NA | | |
| FLUID SALINITY | NA | | |
| FLUID LEVEL | 72 FT | | |
| LOGGED CEMENT TOP | NA | | |
| WELLHEAD PRESSURE | O | | |
| MAXIMUM HOLE DEVIATION | NA | | |
| NOMINAL LOGGING SPEED | 15 F/MN | | |
| MAX. RECORDED TEMP. | 218 DEGF | | |
| REFERENCE LOG | BAKER HUGHES BOND LOG | | |
| REFERENCE LOG DATE | 18-MAY-2014 | | |
| EQUIP. NO. | LOCATION | GRAND JCT | |
| RECORDED BY | SMITH/NEWELL | | |
| WITNESSED BY | J 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 | 0 FT | 1272 FT |
| 8.75 IN | 1272 FT | 8198 FT |

| CASING RECORD | | | | |
|---------------|-----------|-------|------|---------|
| SIZE | WEIGHT | GRADE | FROM | TO |
| 9.625 IN | 32.2 LB/F | | 0 FT | 1272 FT |
| 4.5 IN | 11.6 LB/F | | 0 FT | 8198 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 THE CLIENT'S REQUEST

TOP OF WELL HEAD IS 9 FT ABOVE GROUND LEVEL ELEVATION

AMOUNT LINEAR SHIFT +7.0'

BHT: 218 DEG F

SJ = 4757' - 4778'

THANK YOU FOR CHOOSING BAKER HUGHES WIRELINE SERVICES

EQUIPMENT DATA

| RUN | TRIP | TOOL | SERIES NO. | SERIAL NO. | POSITION |
|-----|------|--------|------------|------------|-------------|
| 1 | 1 | CBL | 1426XA | 10154957 | CENTRALIZED |
| 1 | 1 | GR/CCL | 2459XA | 10417457 | CENTRALIZED |

PRIMARY PRESENTATION 0 PSI

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

Updates: 1

Plotted: Sun May 18 14:29:13 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH086321/n012e02.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 15.000 ft BOTTOM DEPTH: 8125.090 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*) | 187 | 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*) | -66 | us | " | " |
| BASELINE NOISE (NEAR) | NOISE WINDOW START | 125 | us | " | " |
| | NOISE WINDOW LENGTH | 25 | us | " | " |

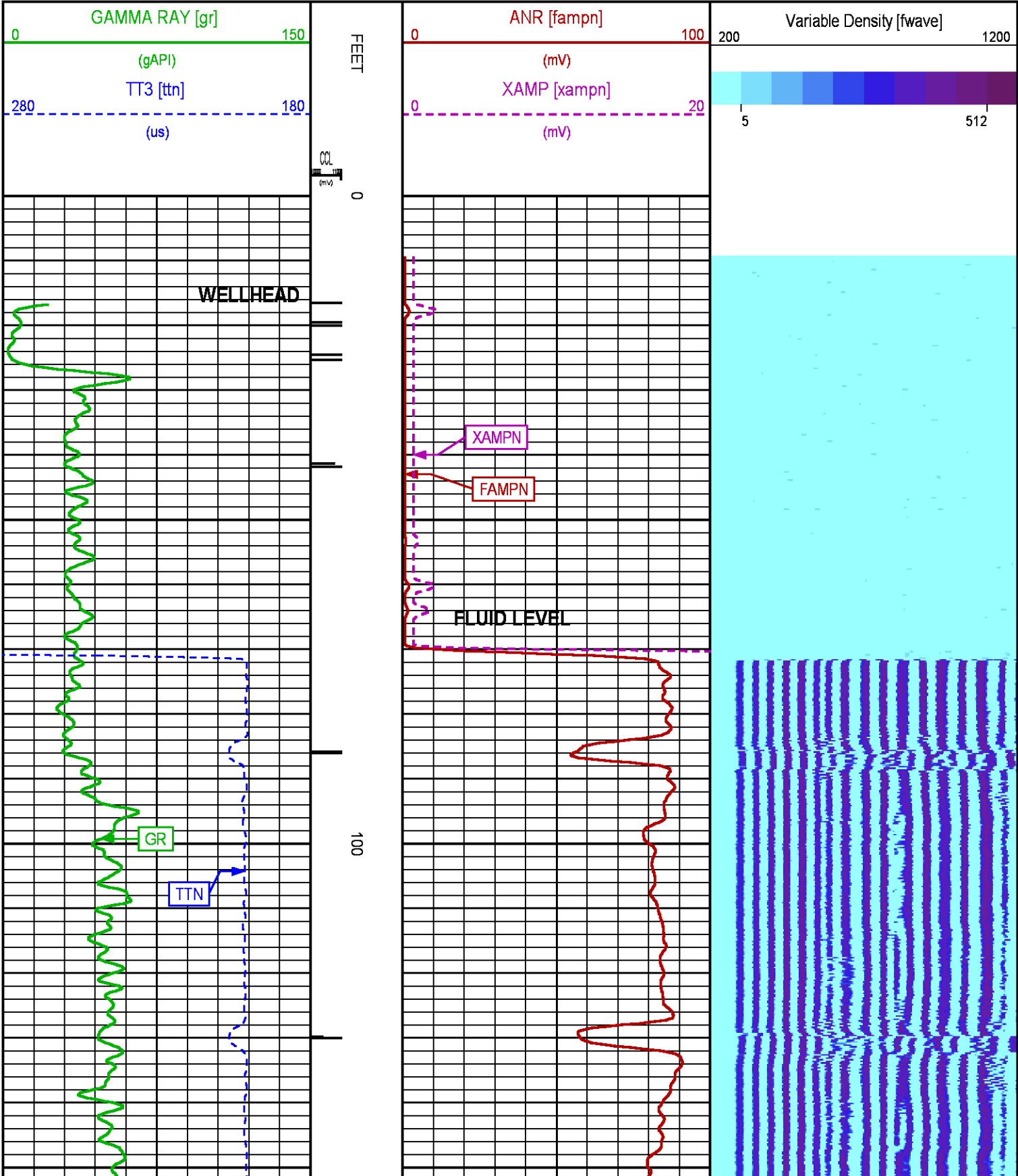
CURVE DESCRIPTION REPORT

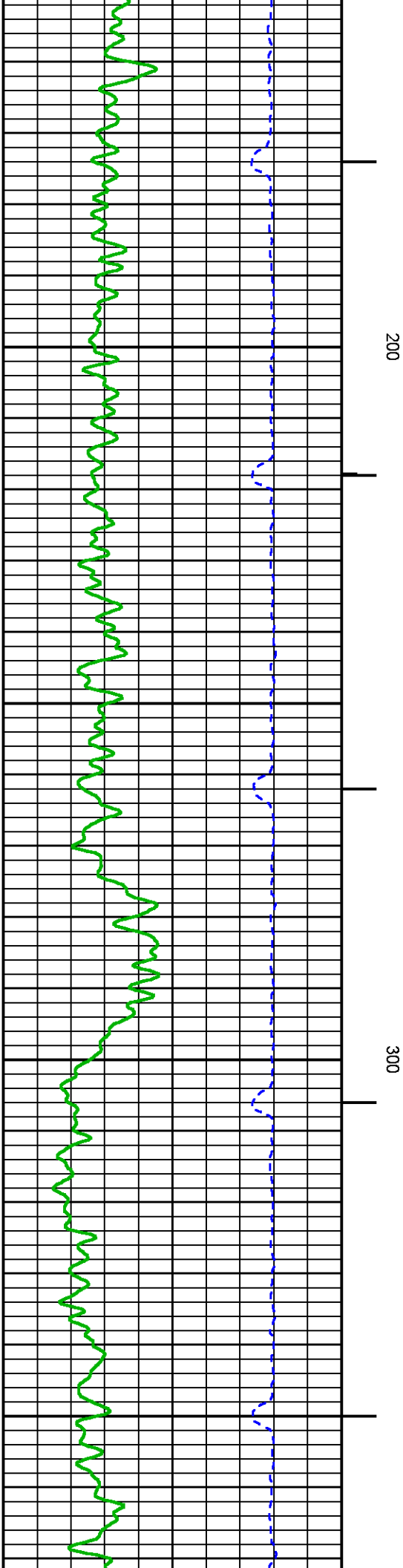
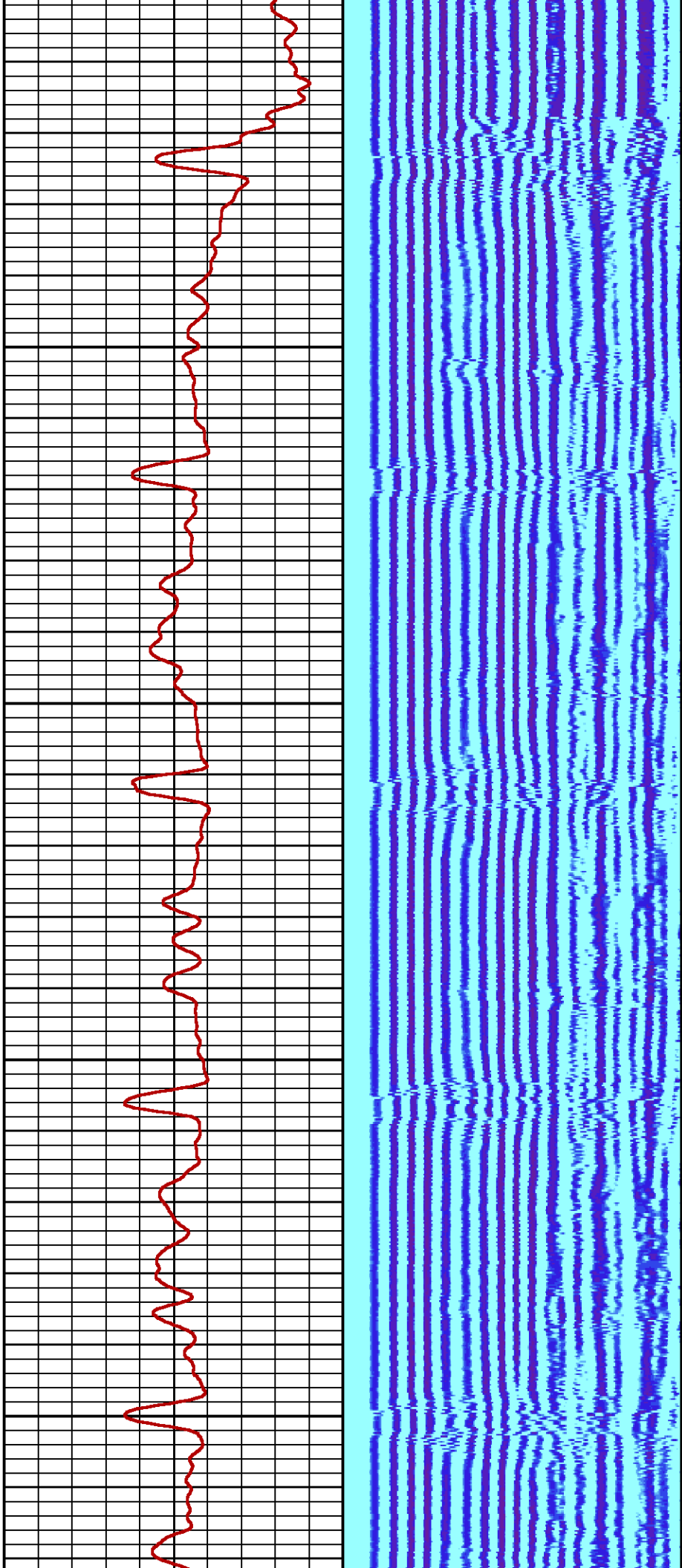
| CURVE NAME | CREATION DATE | CURVE DESCRIPTION |
|------------|----------------------|---|
| F1:CCL | May 18 08:23:11 2014 | CASING COLLAR LOCATOR |
| F1:FAMPN | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE NEAR RECEIVER |
| F1:FWAVE | May 18 08:23:11 2014 | FAR WAVE FORM |
| F1:GR | May 18 08:23:11 2014 | GAMMA RAY |
| F1:TTN | May 18 08:23:11 2014 | TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER |
| F1:XAMPN | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE |

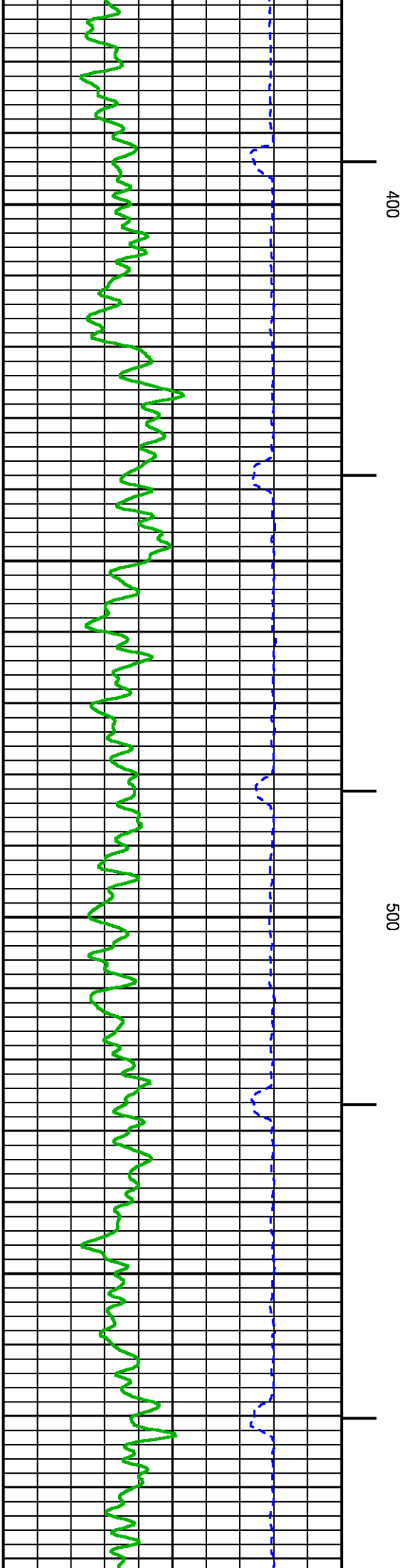
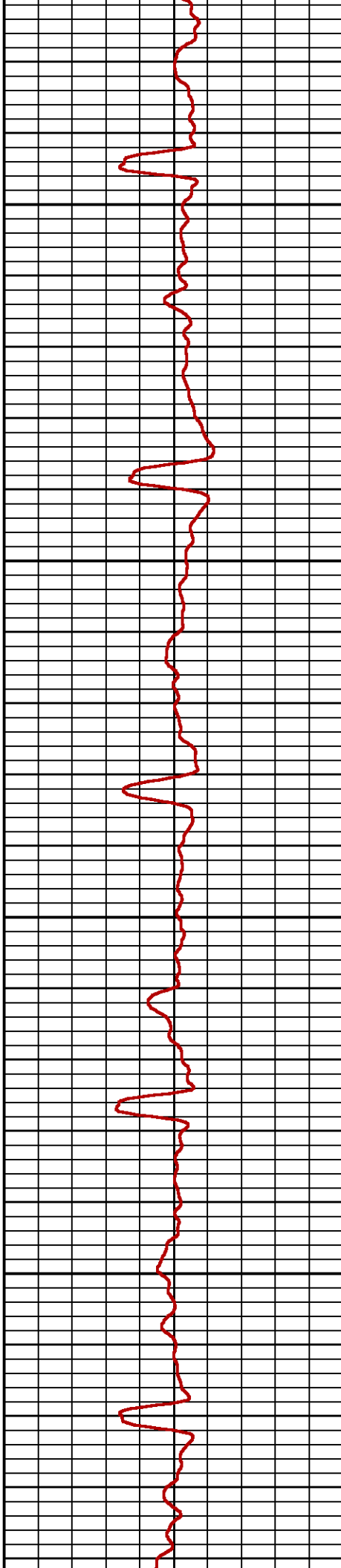
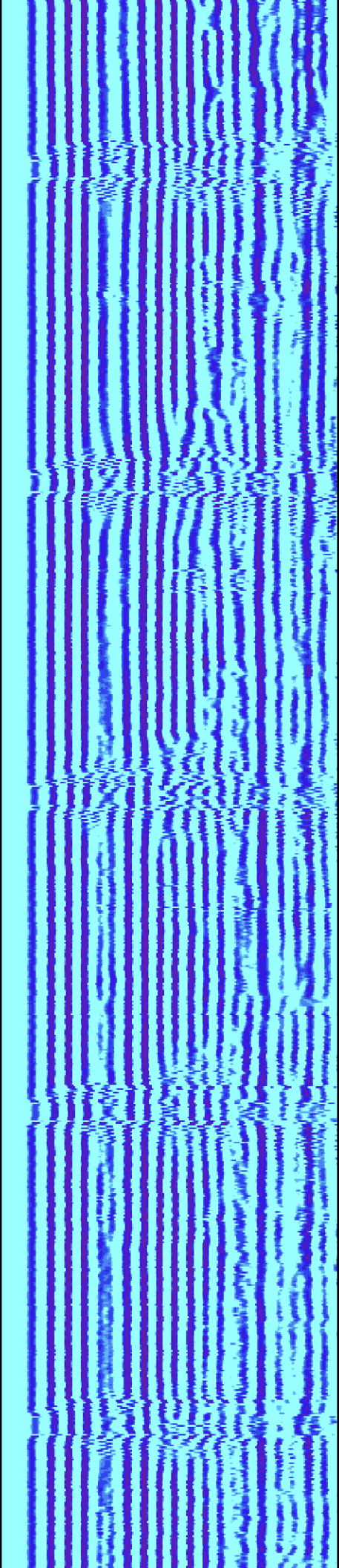
CURVE MEASURE POINT OFFSET

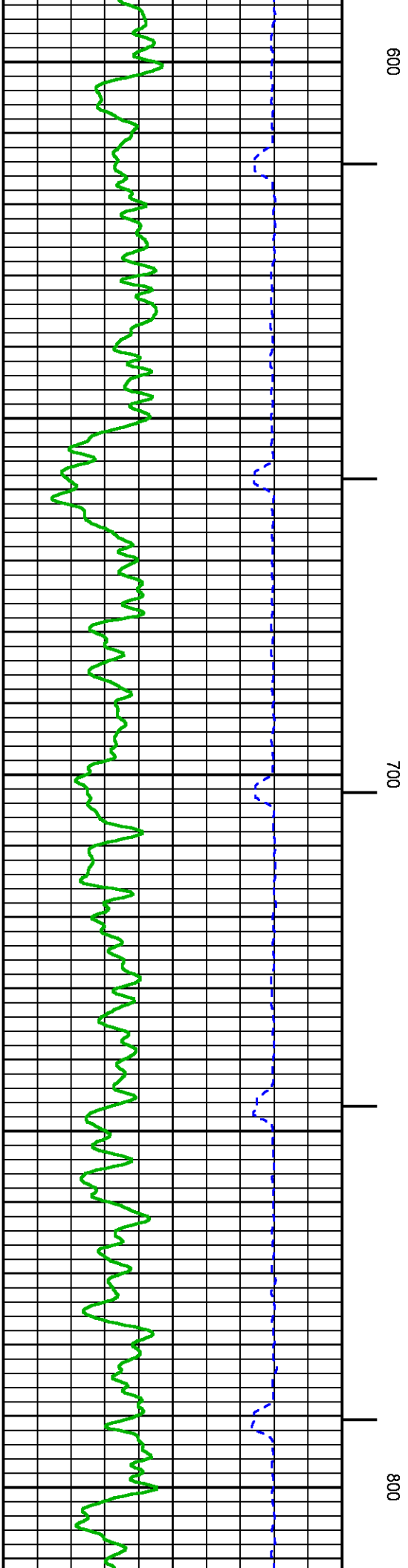
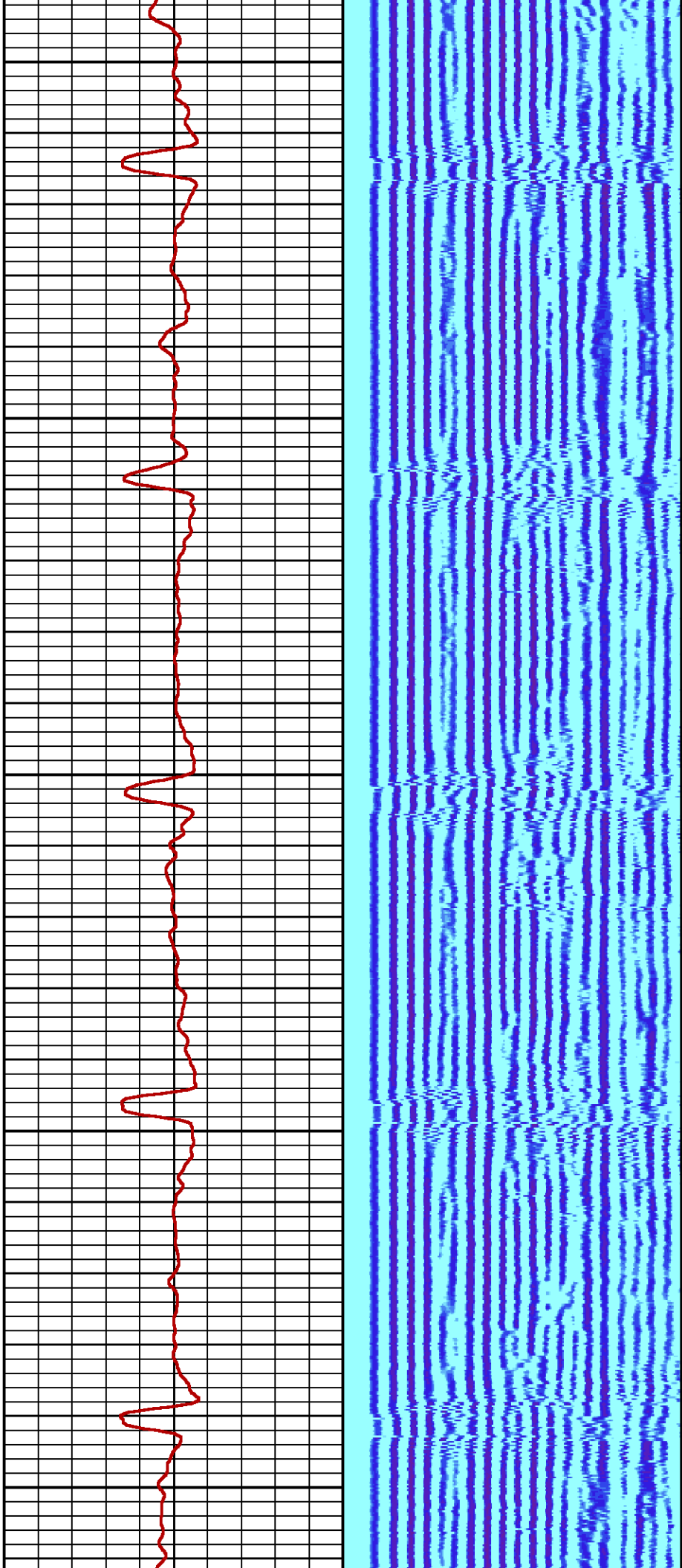
| CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) |
|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| CCL | 8.50 | GR | 6.50 | XAMPN | 13.75 | | |

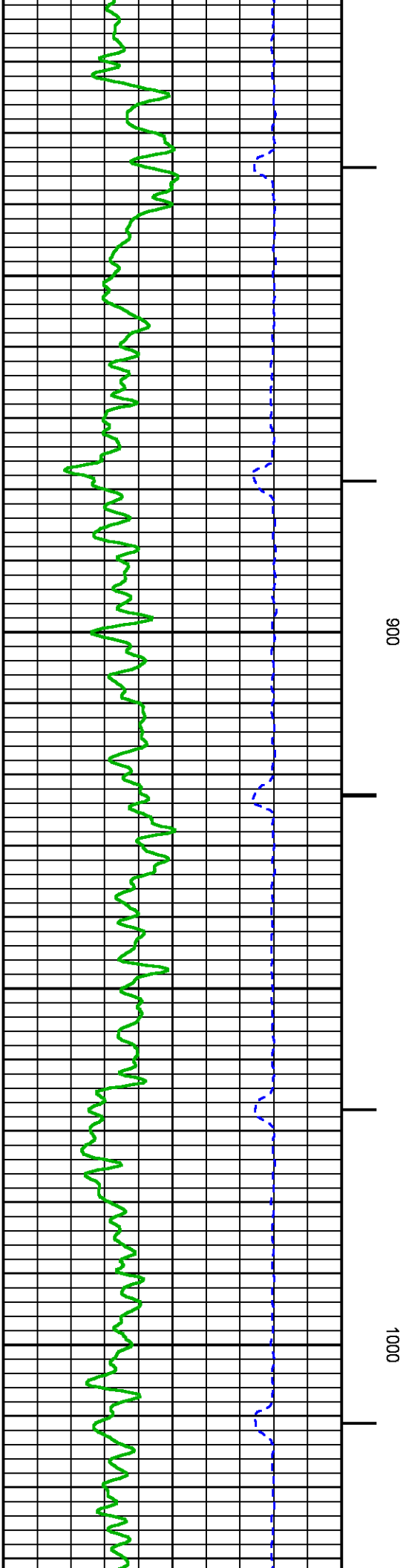
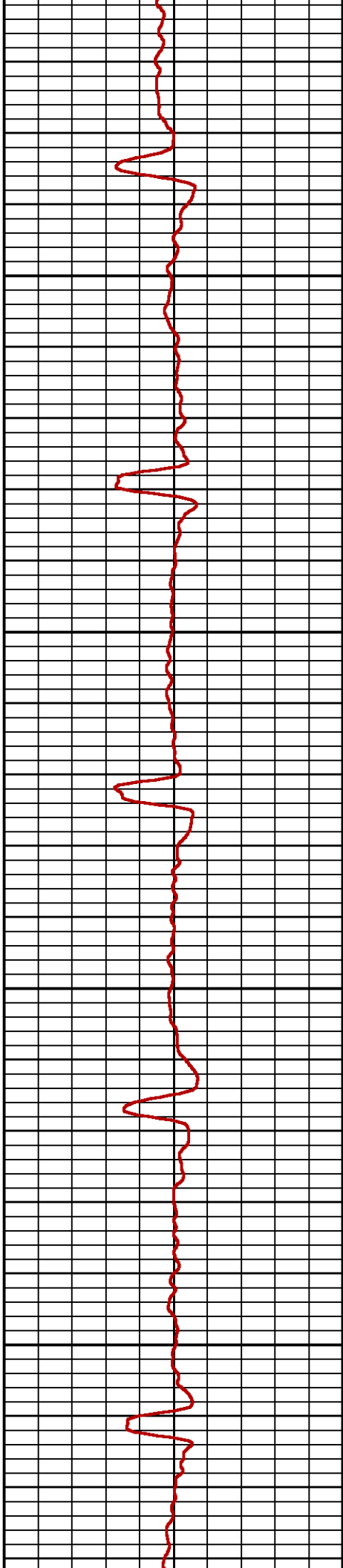
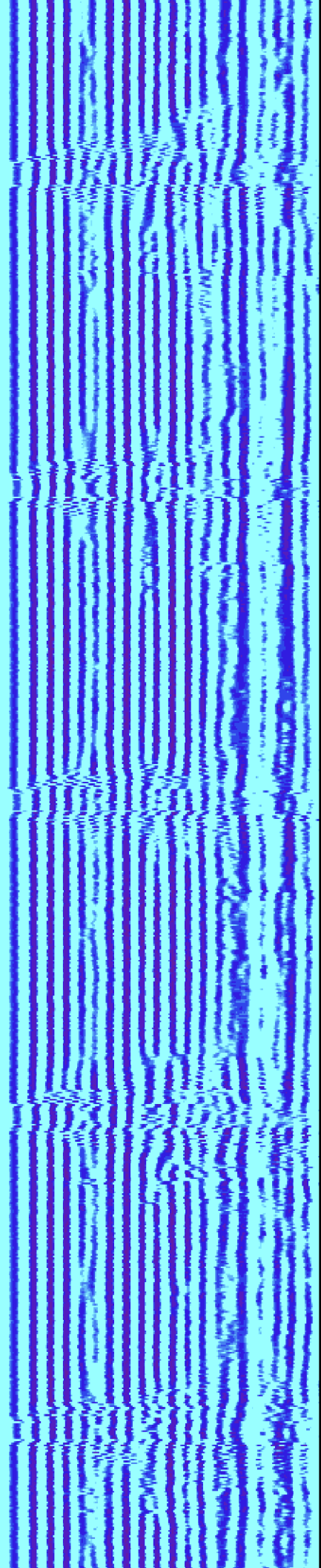
| | | | | |
|--|-------|-------|-------|-------|
| | GR | TTN | FAMPN | XAMPN |
| | 13.75 | 13.75 | 13.75 | 13.75 |
| Presentation : HL6670:CBL_PRIMARY_PRESENTATION.fvpdf [5"/100' Scale] Plot Interval : 0 - 8127 Feet Data File 1 : F1 : HL6670:/dat1a/CH086321/n012e02_MAIN.xtf Created On : May 18 08:23:11 2014 Company : WPX ENERGY INC Well : WPX ENERGY PA 544-3 Field : PARACHUTE File Interval : 8.25 - 8132 Feet OCT : n012e | | | | |

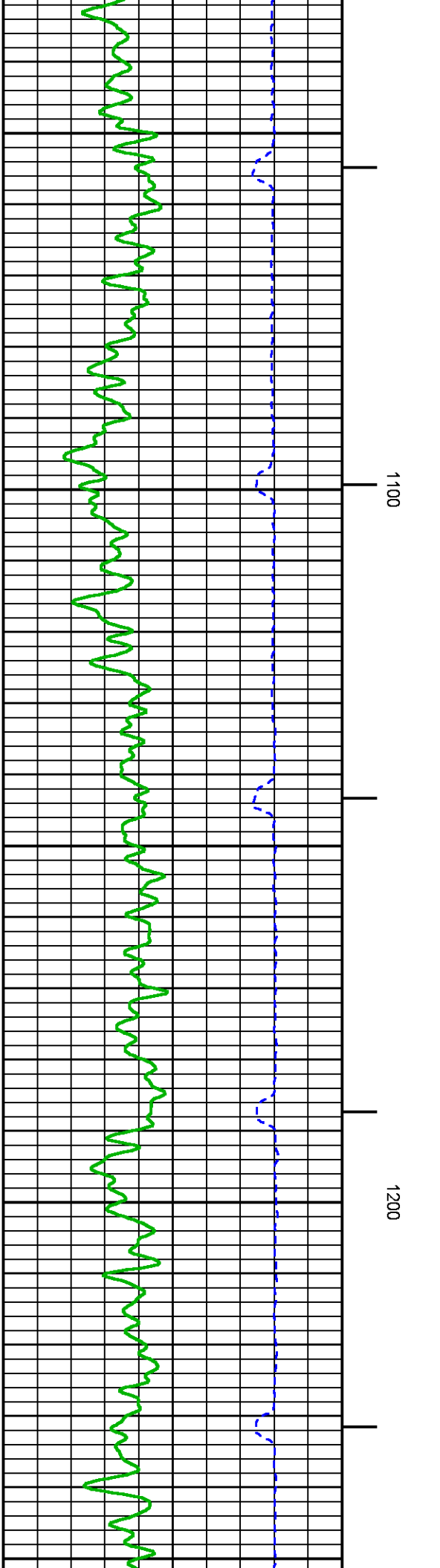
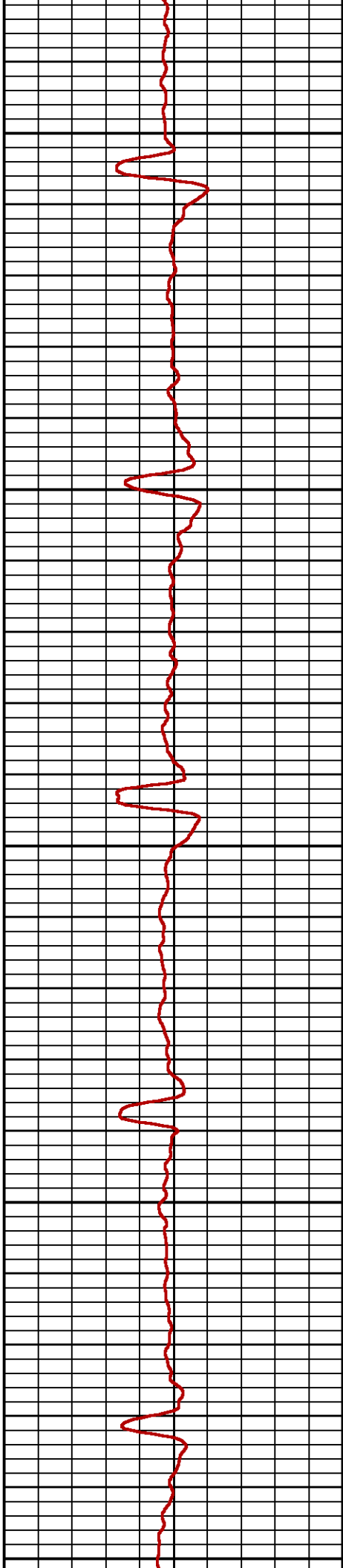
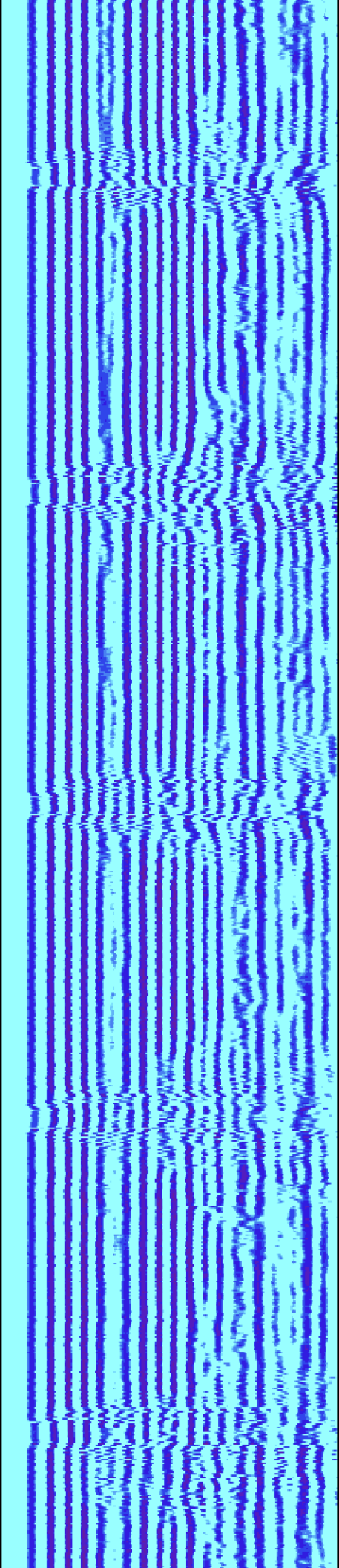


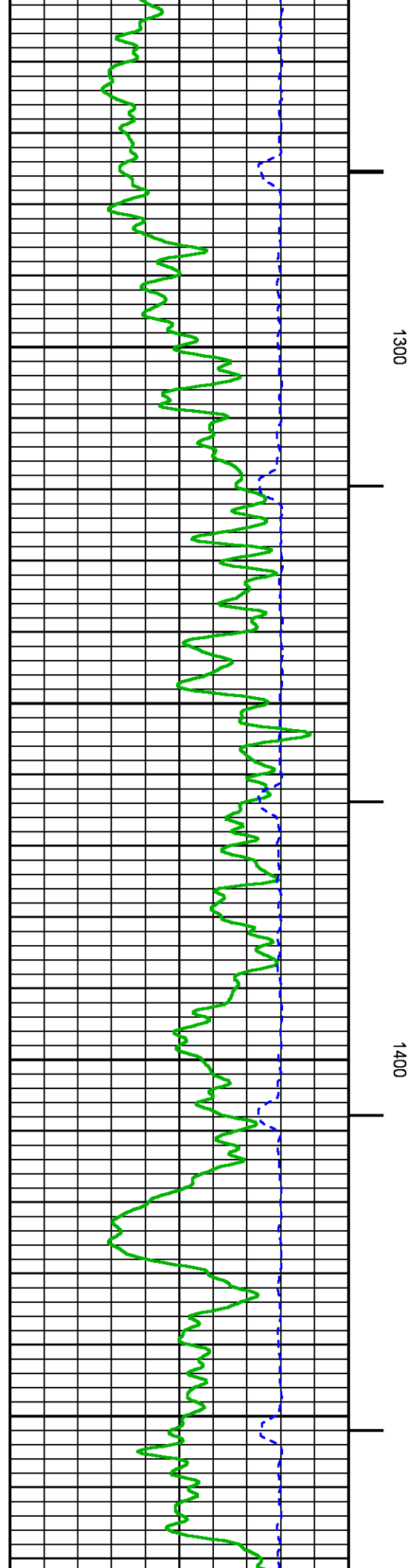
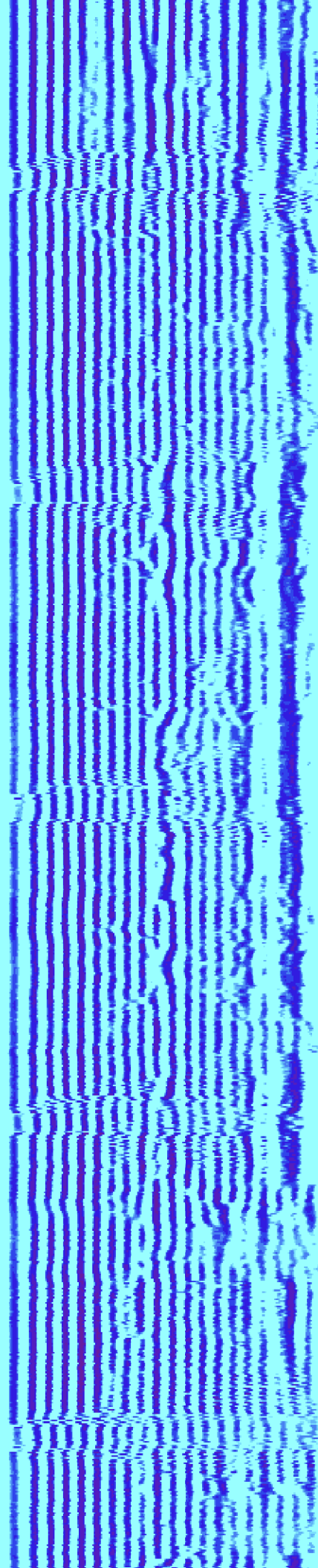


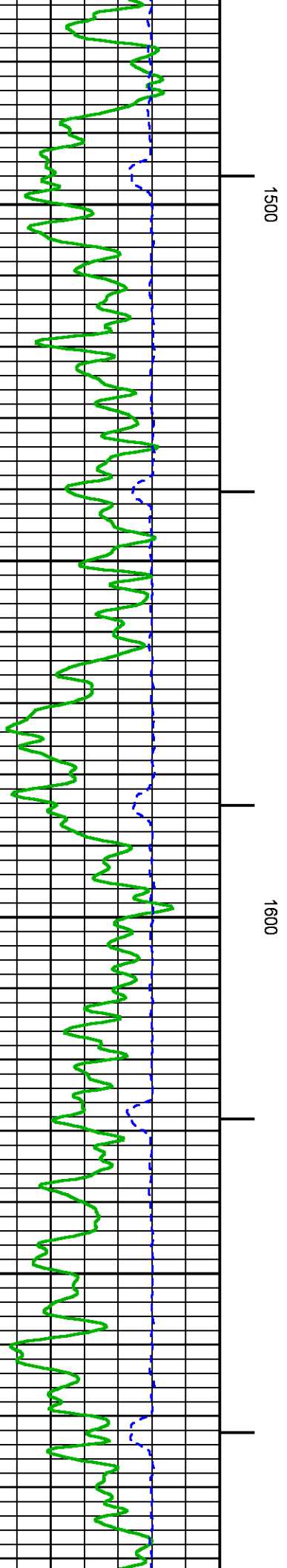
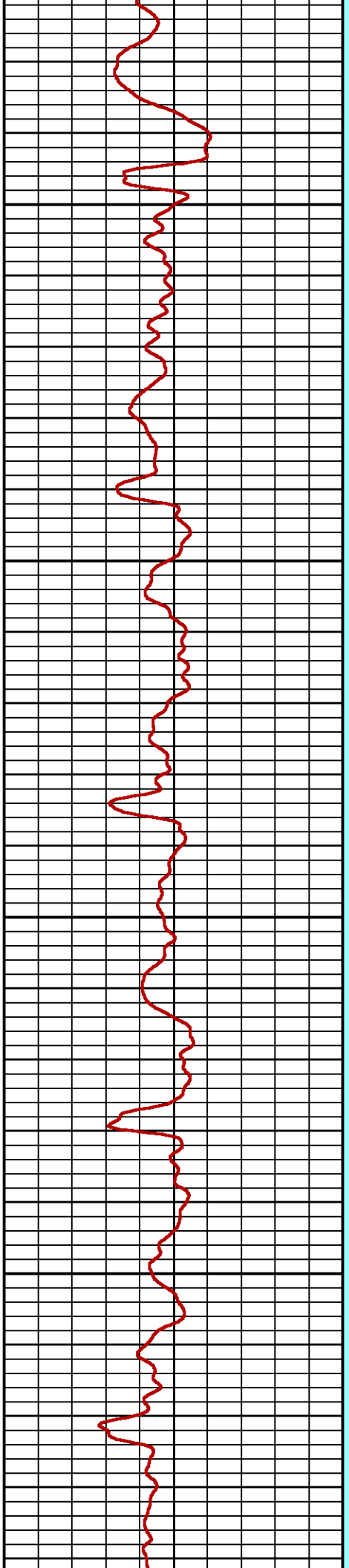
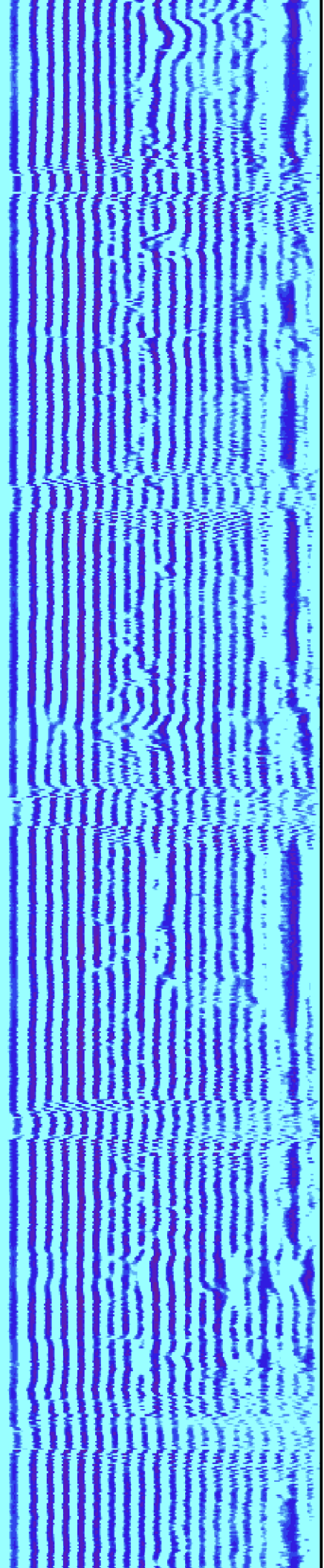


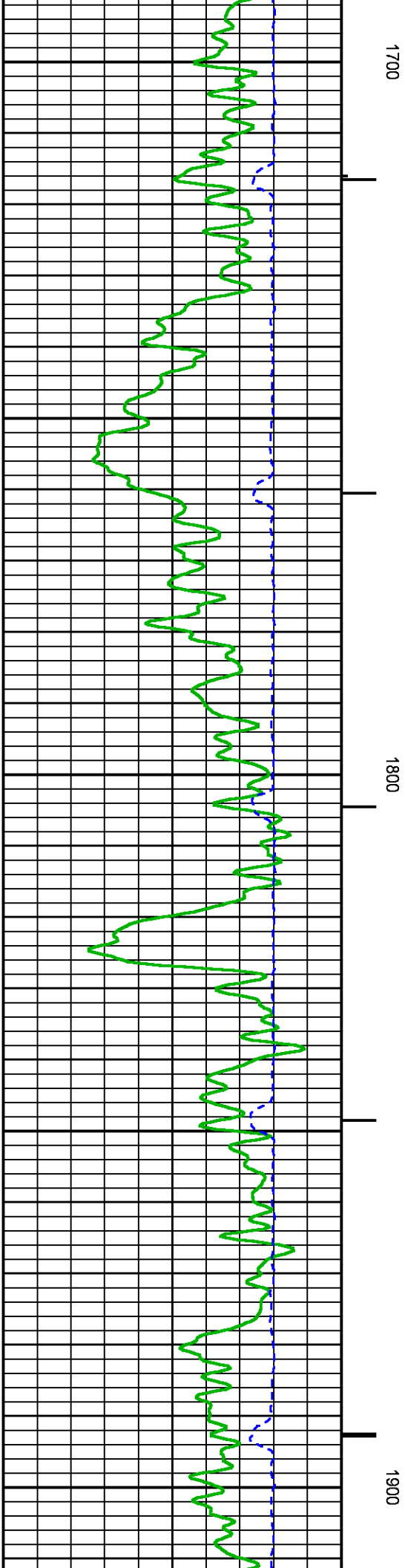
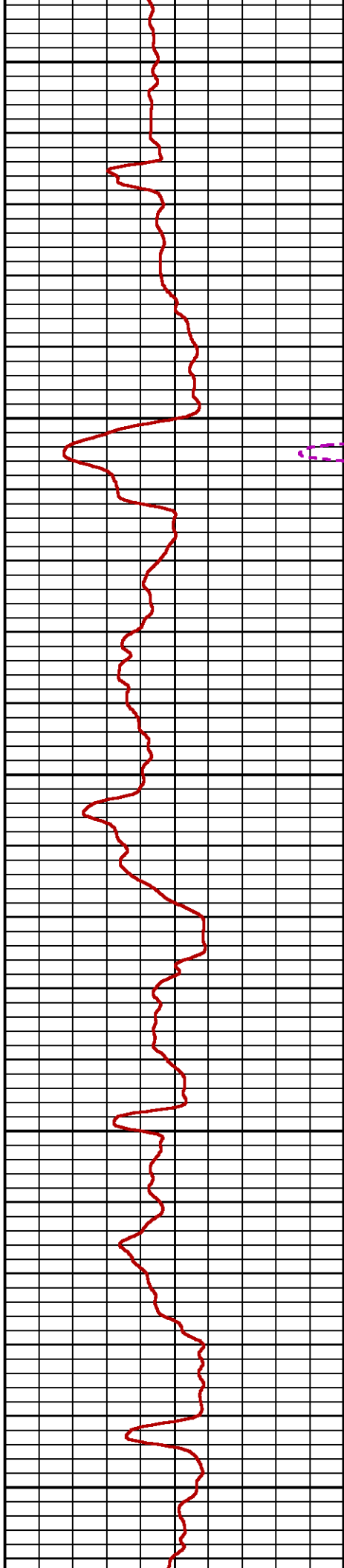
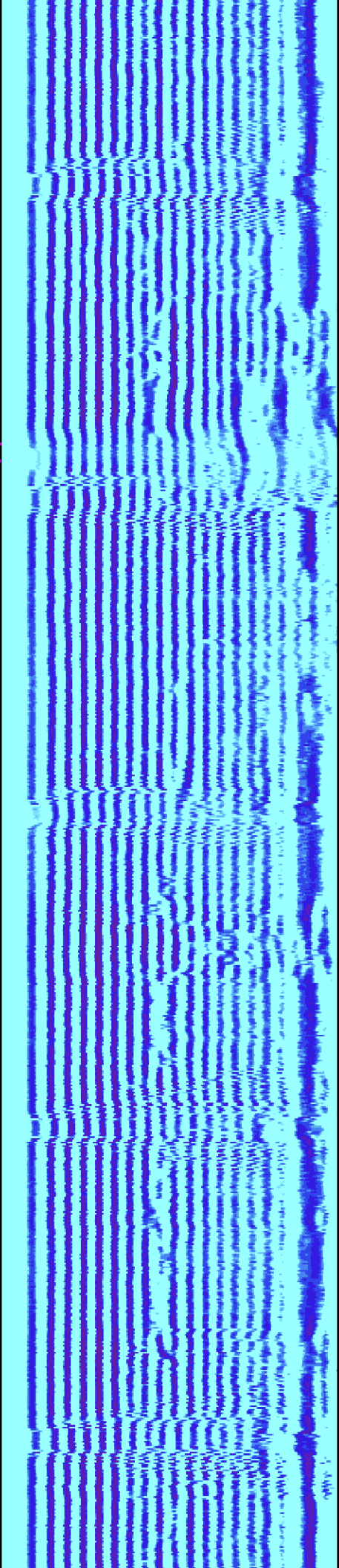


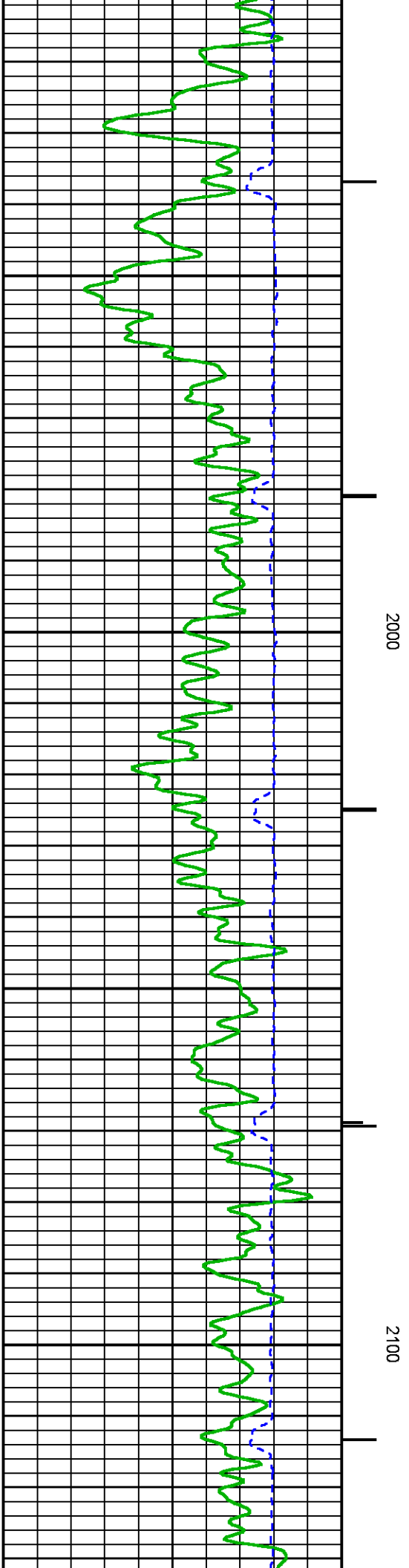
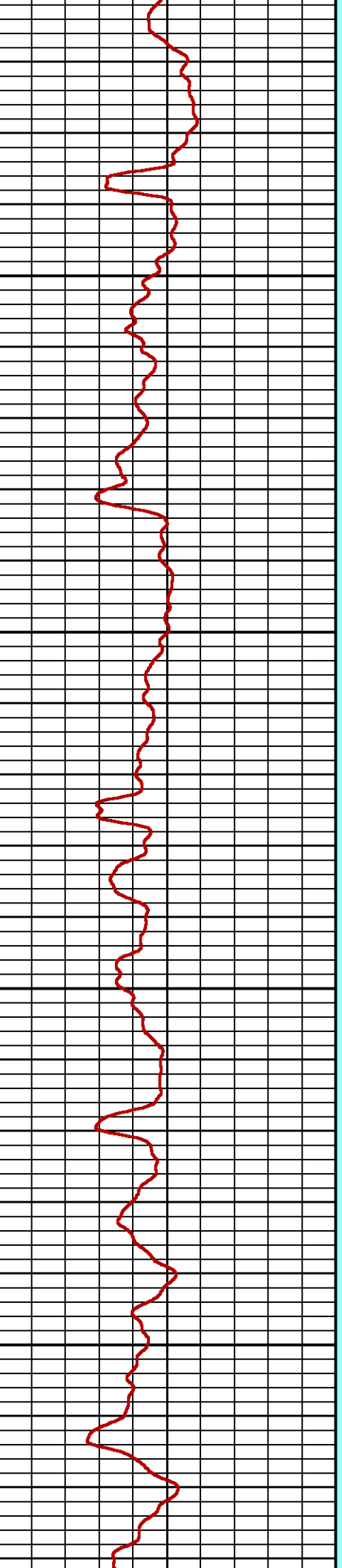
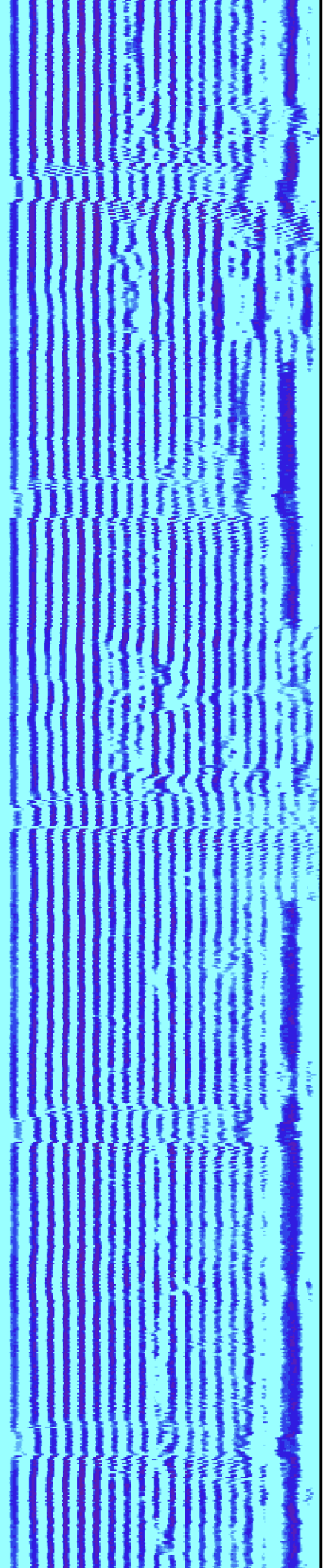


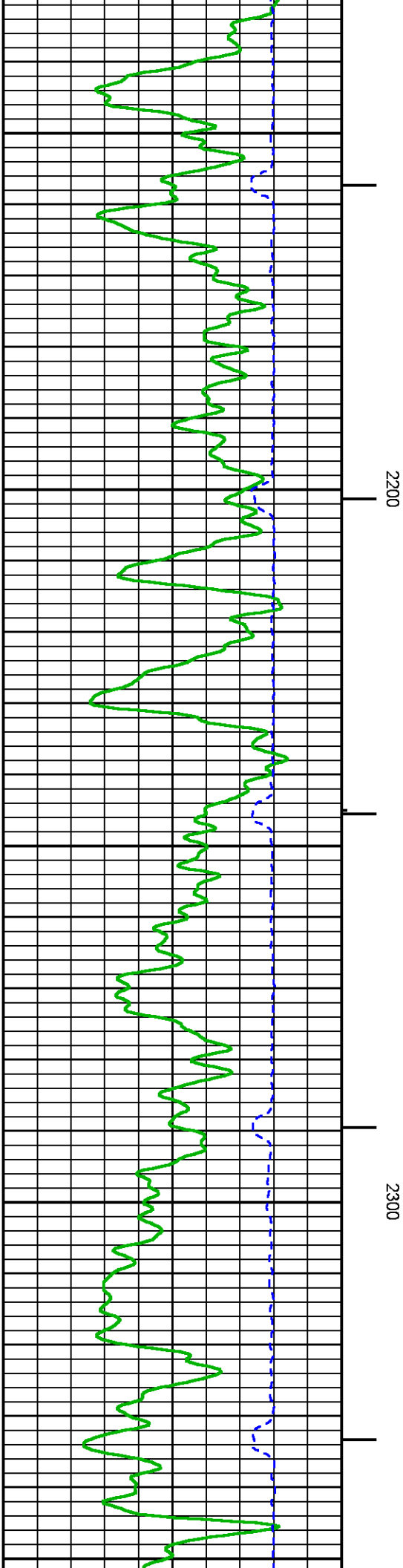
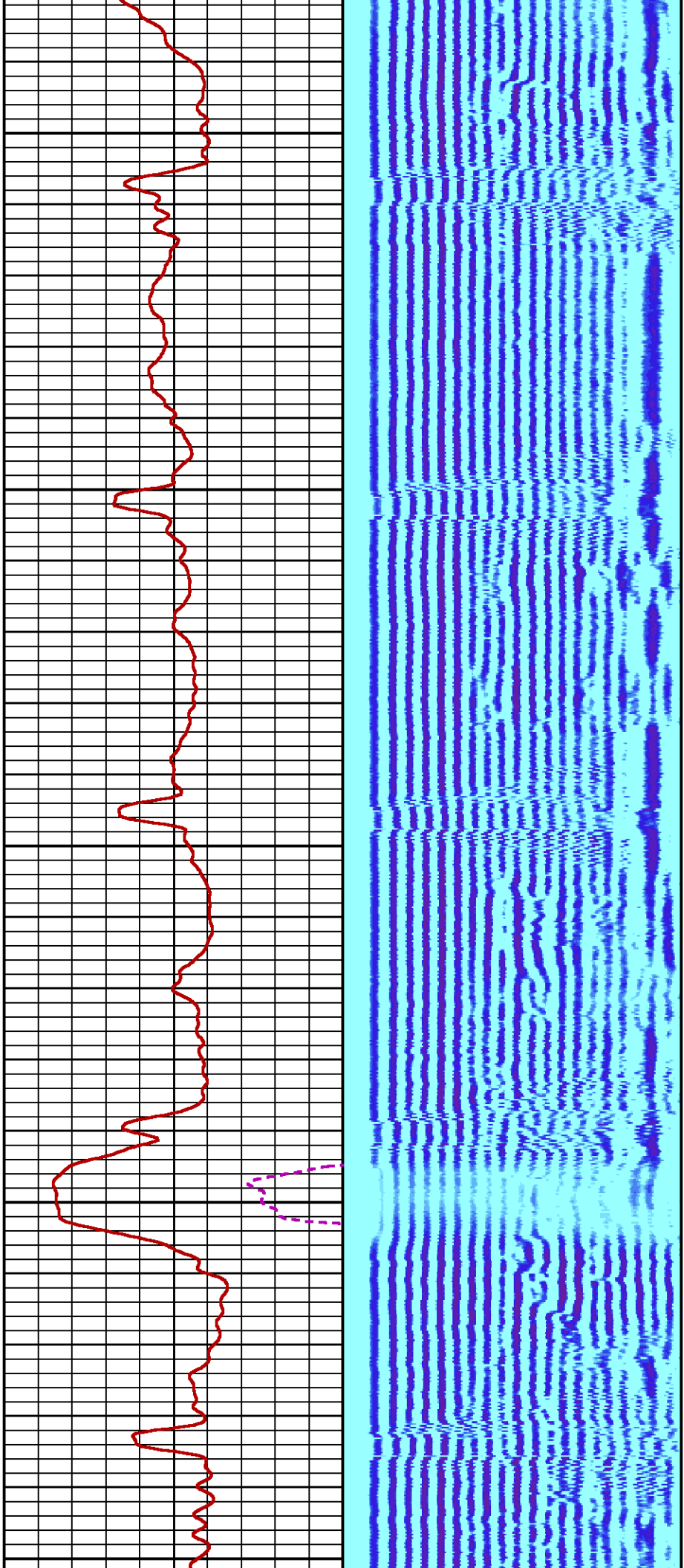


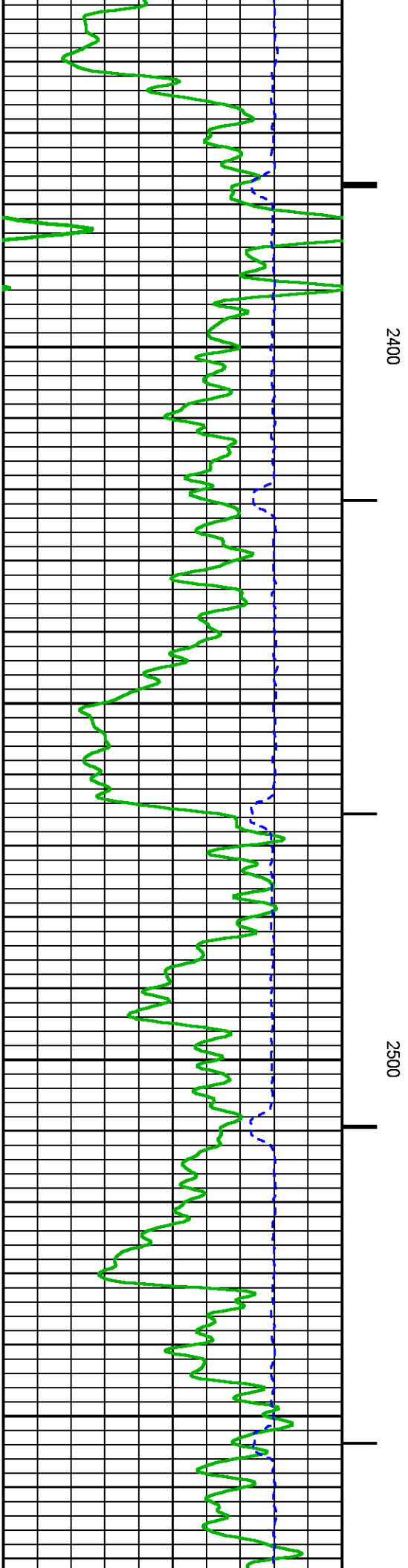
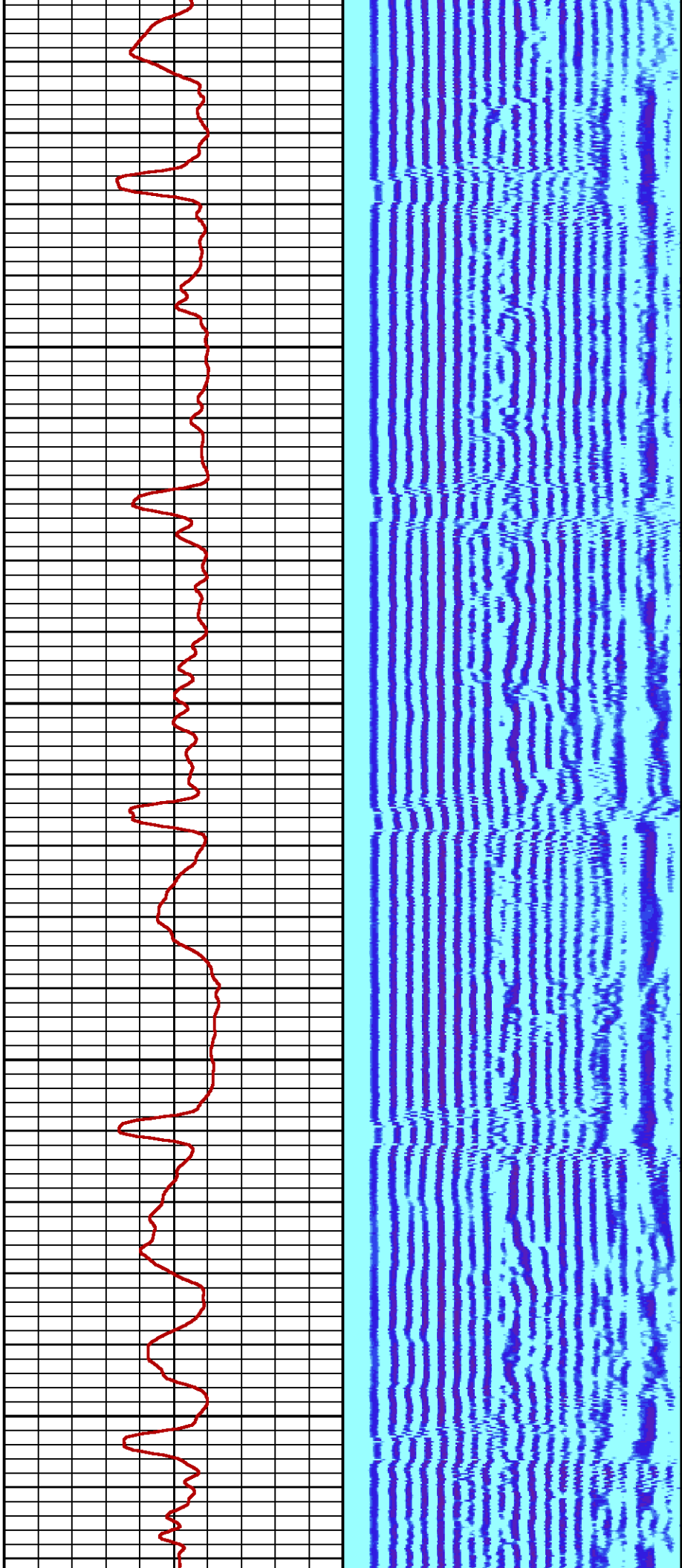


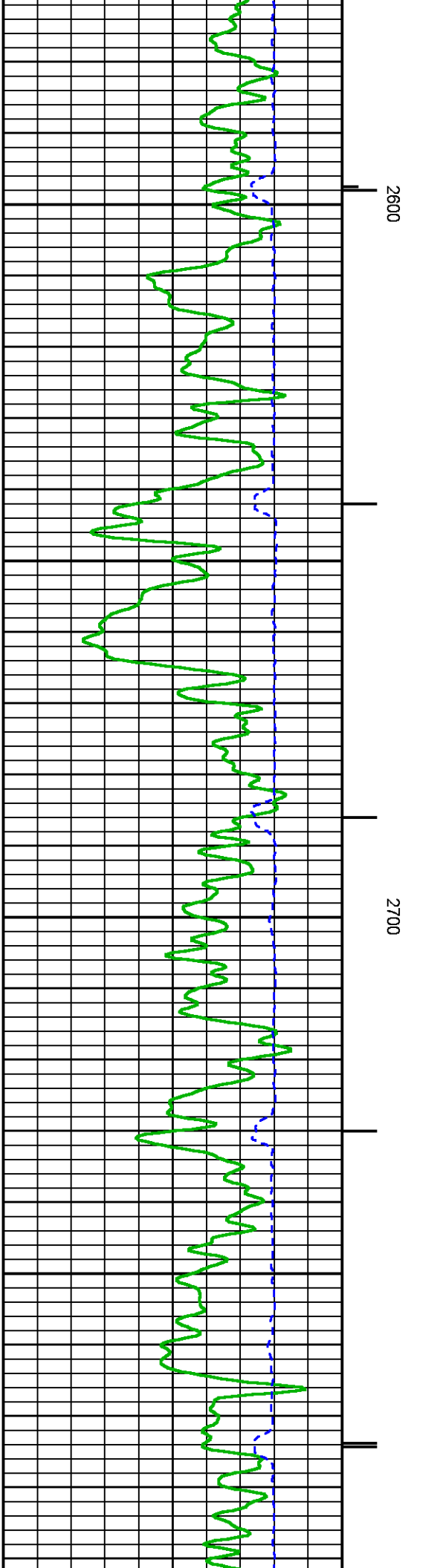
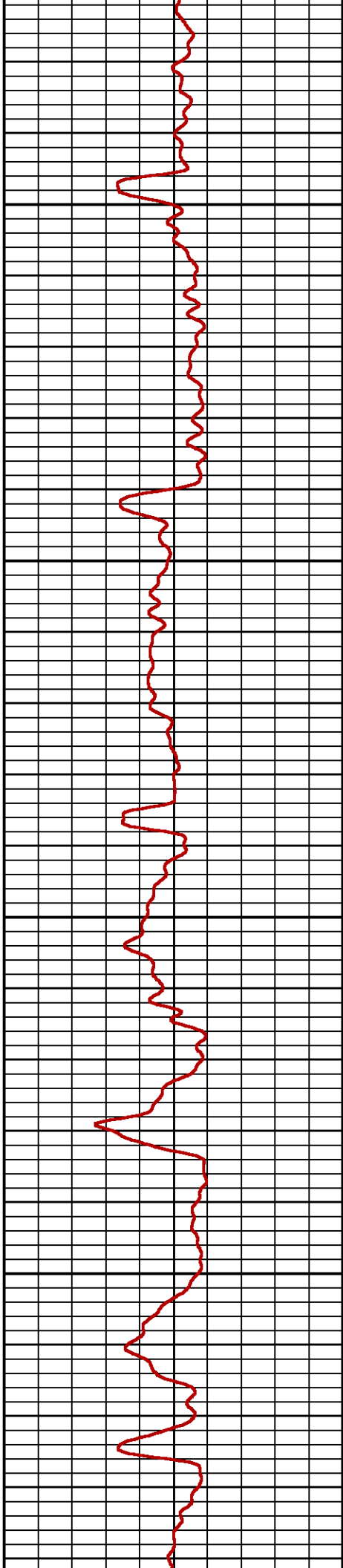
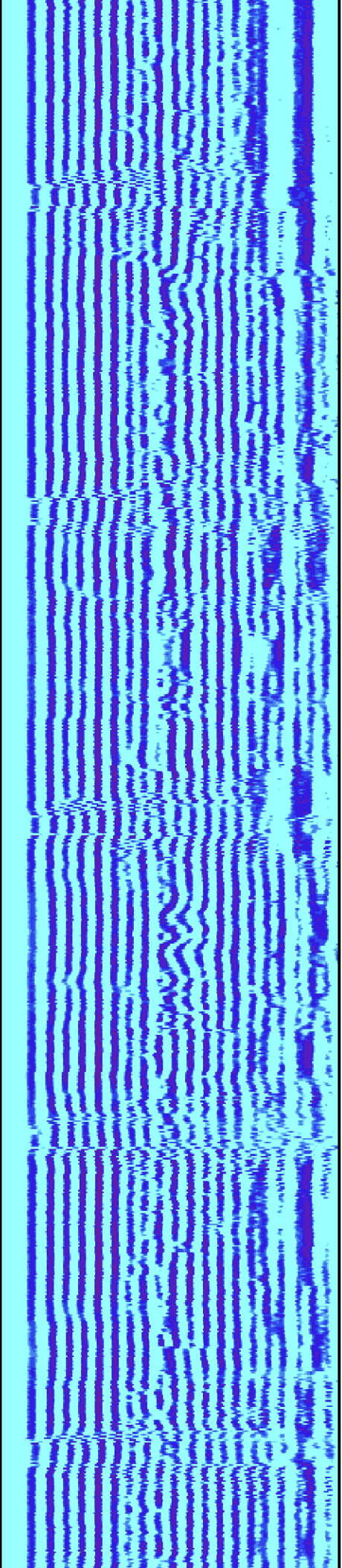


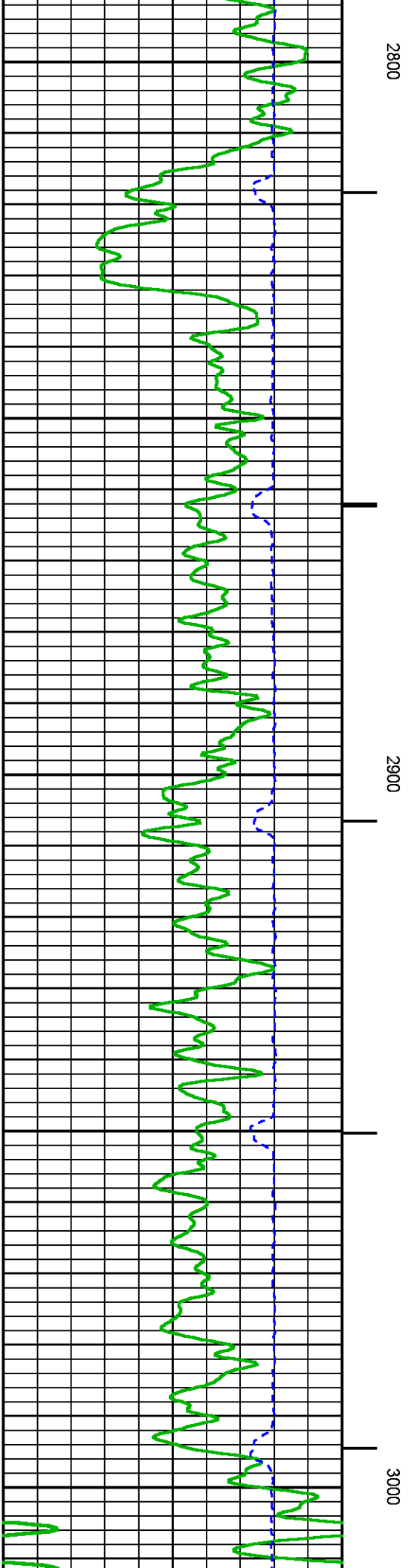
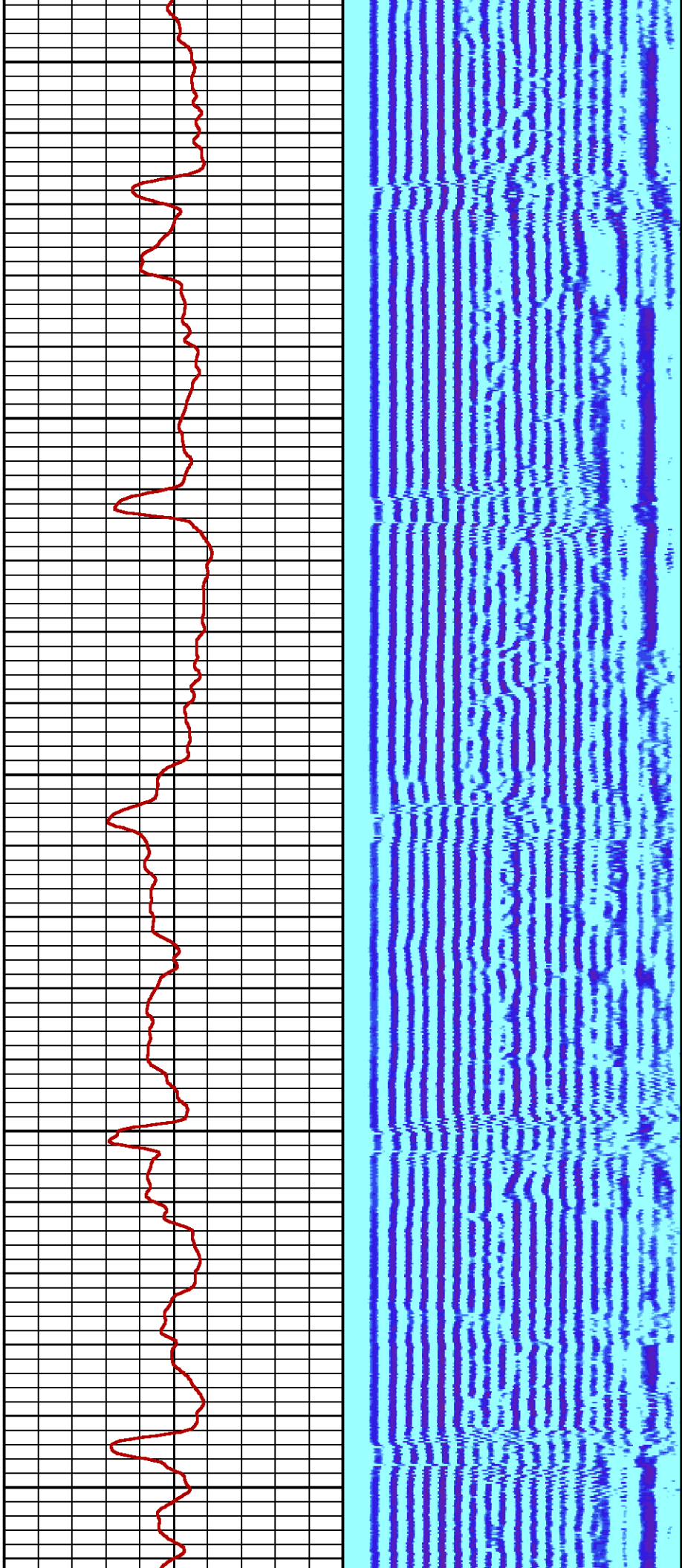


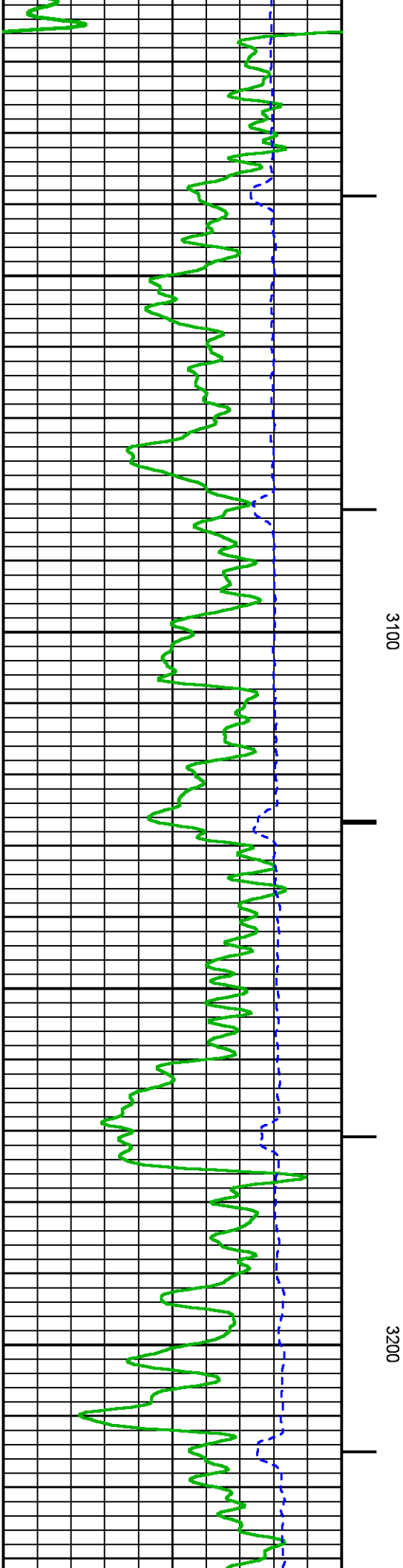
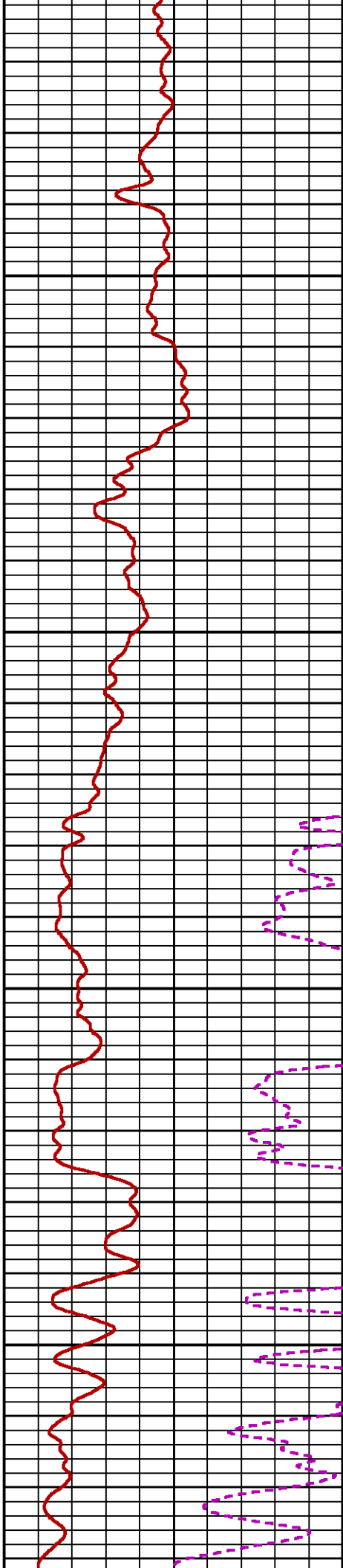
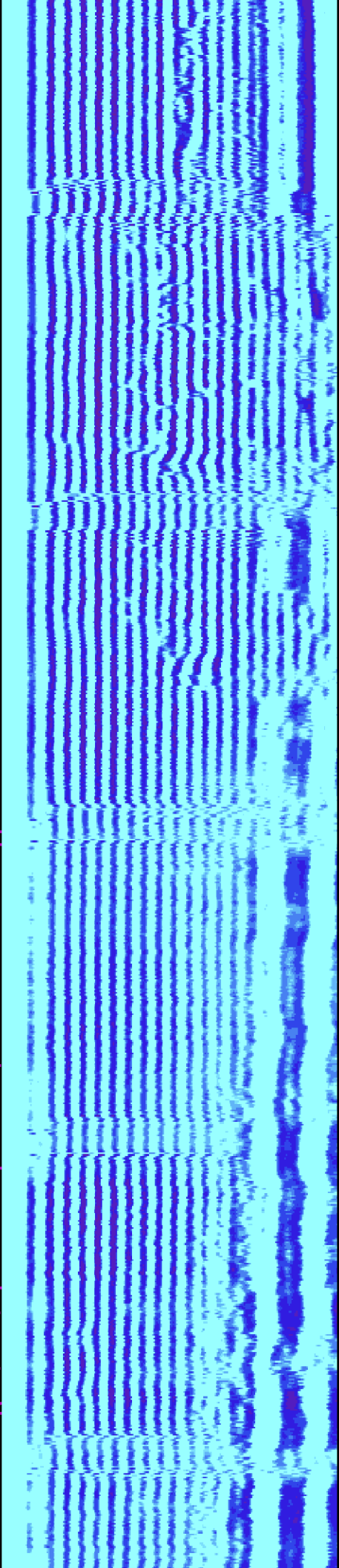


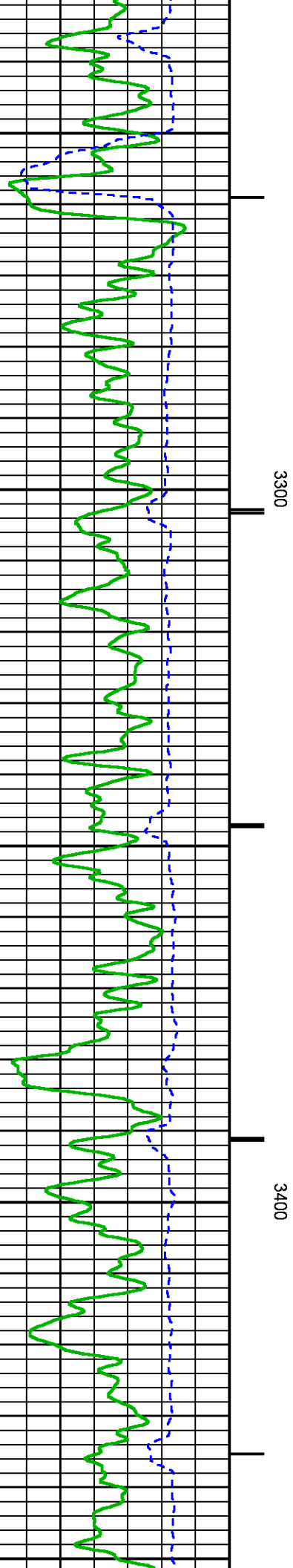
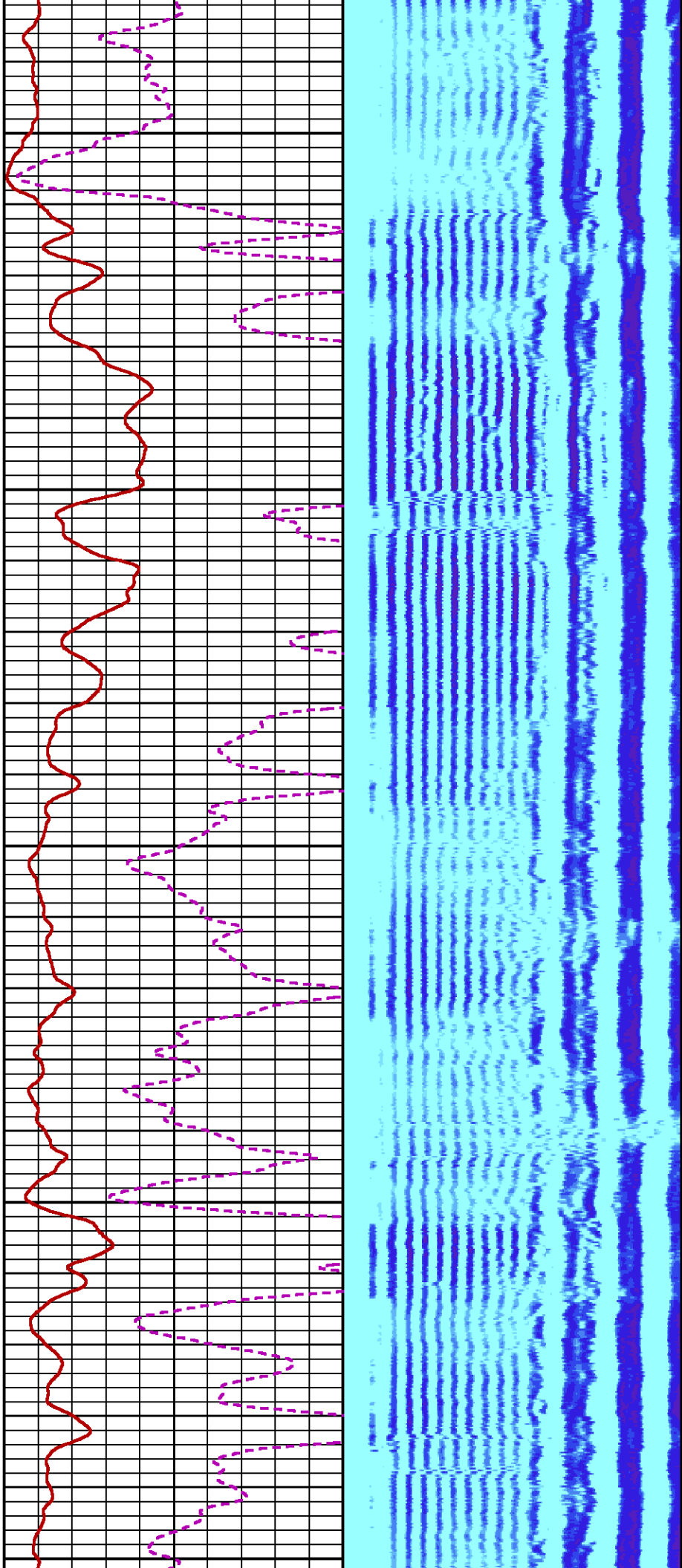






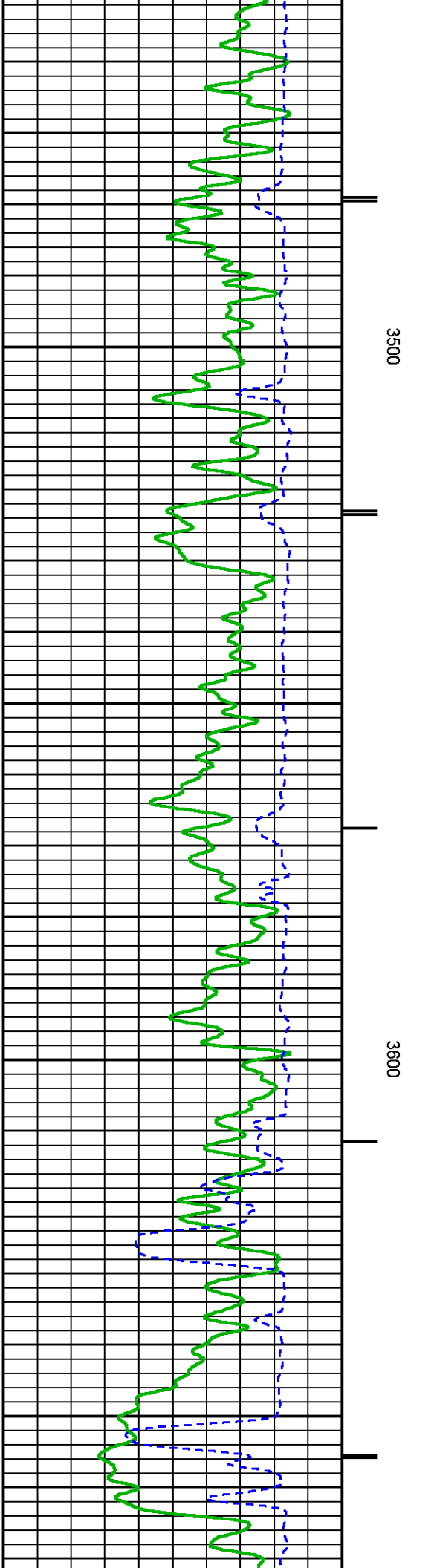
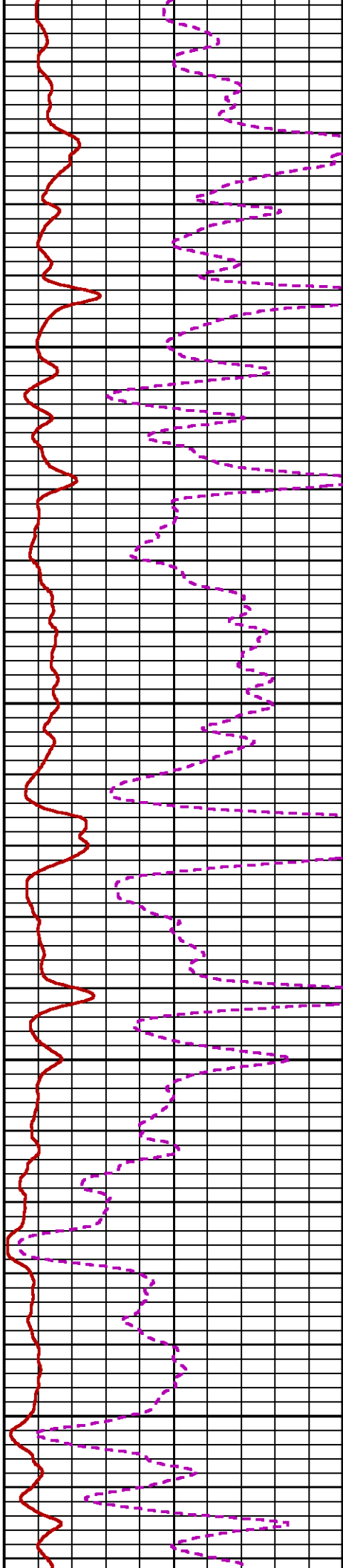
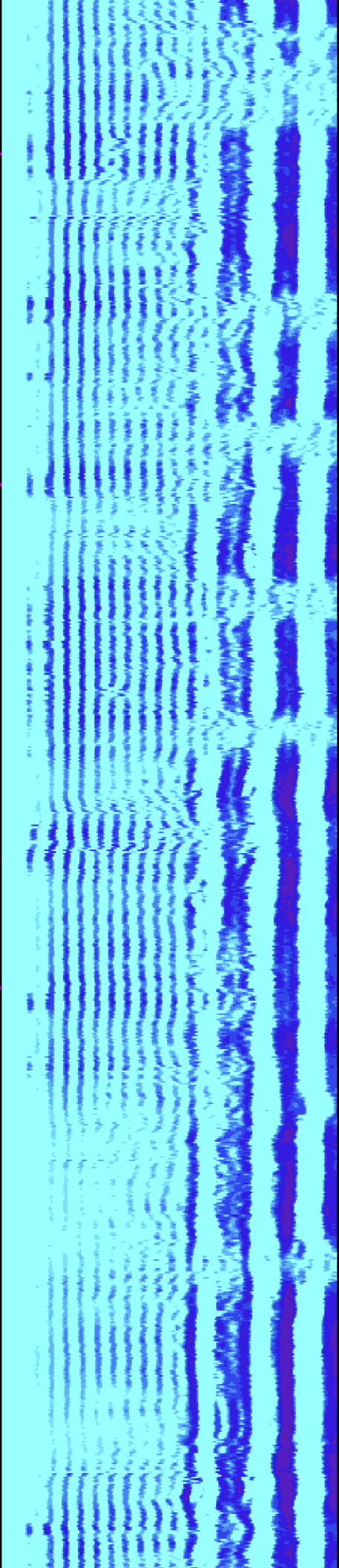


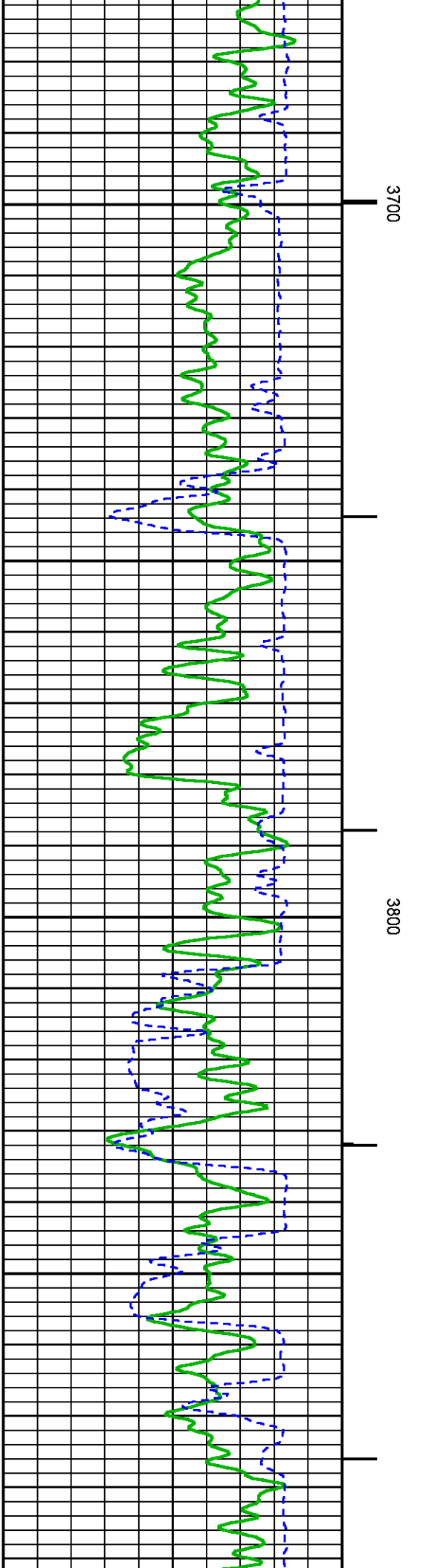
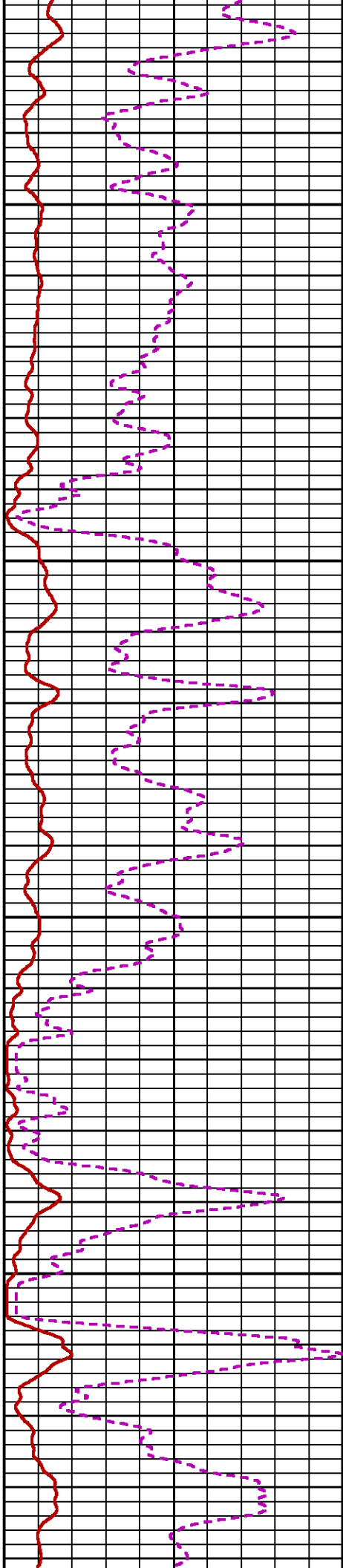
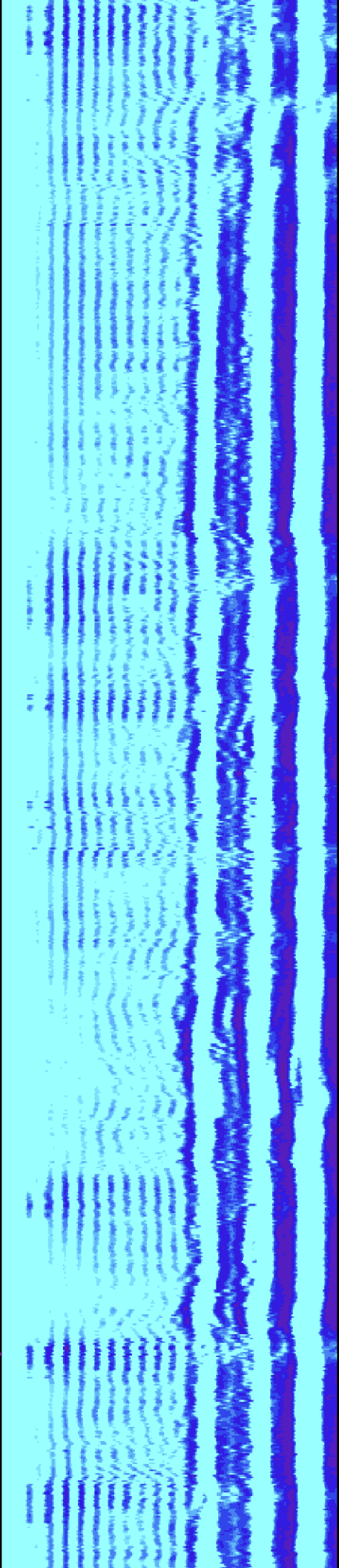


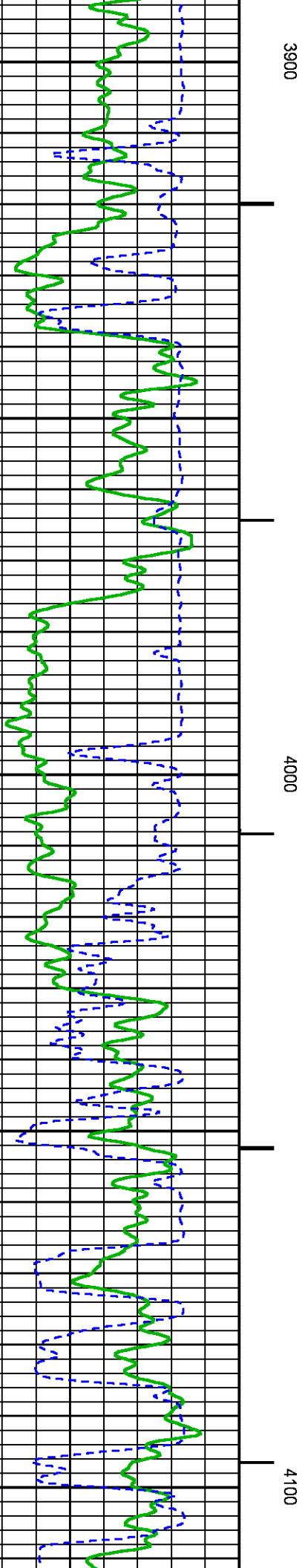
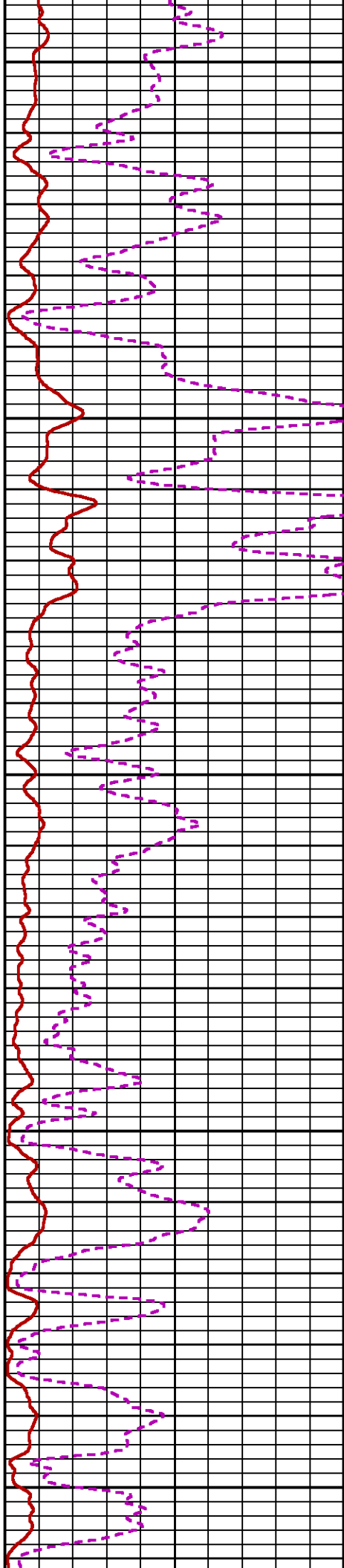
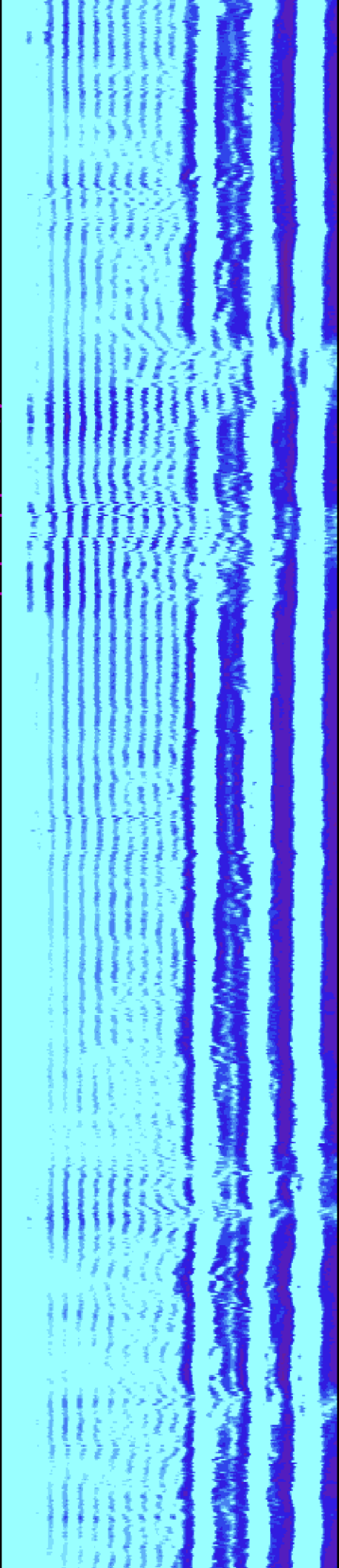


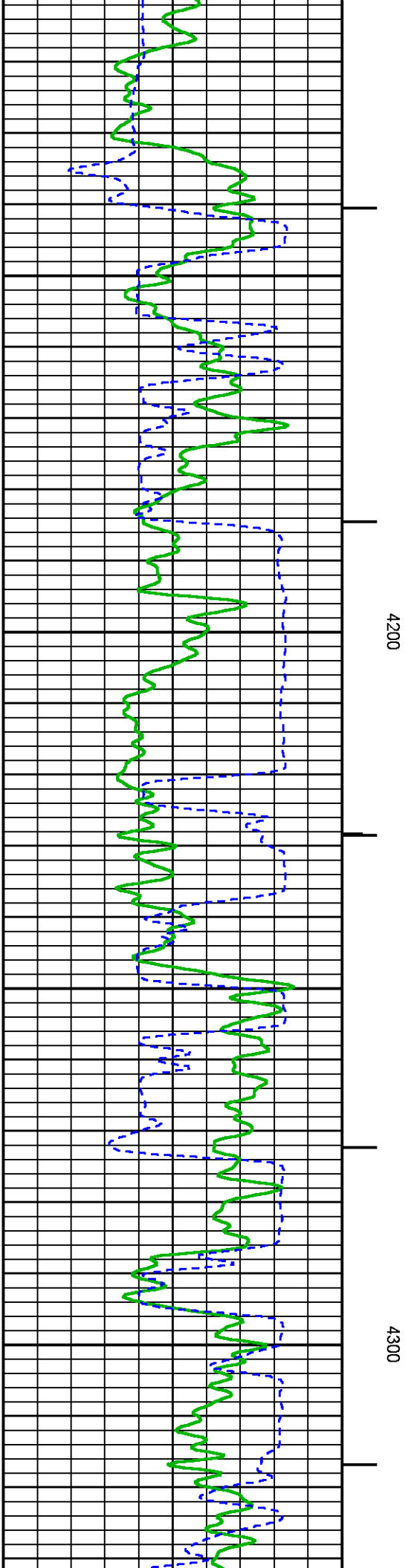
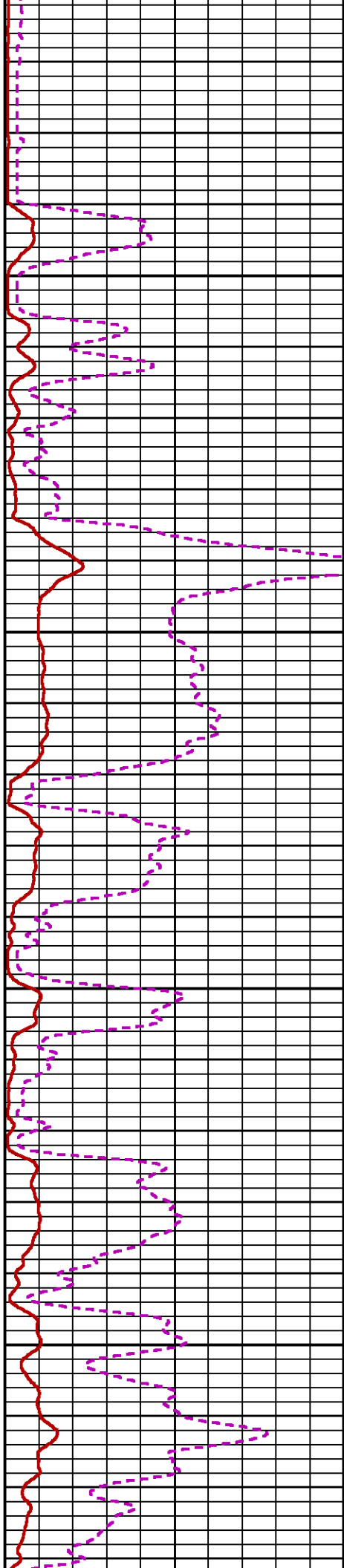
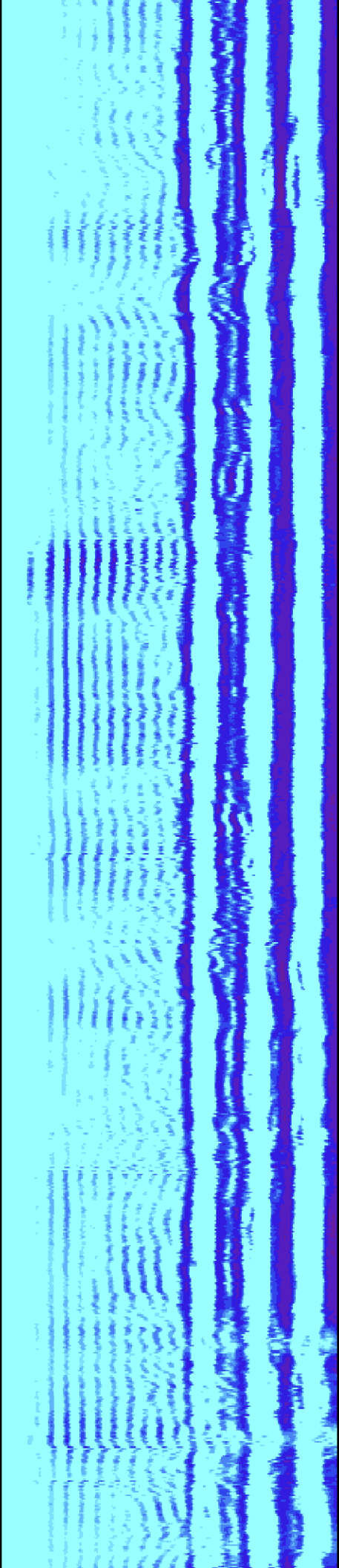
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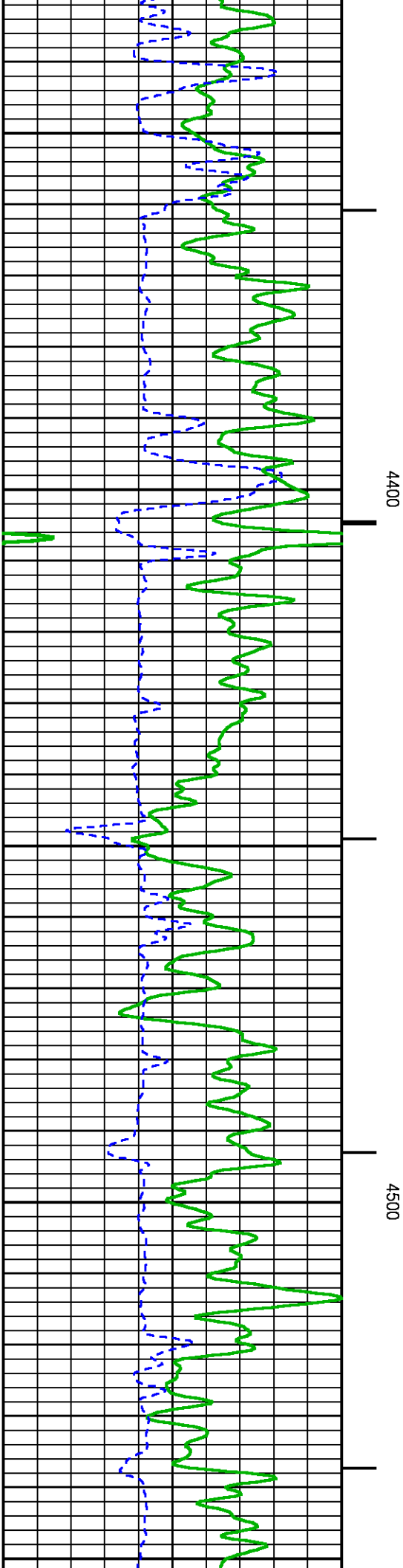
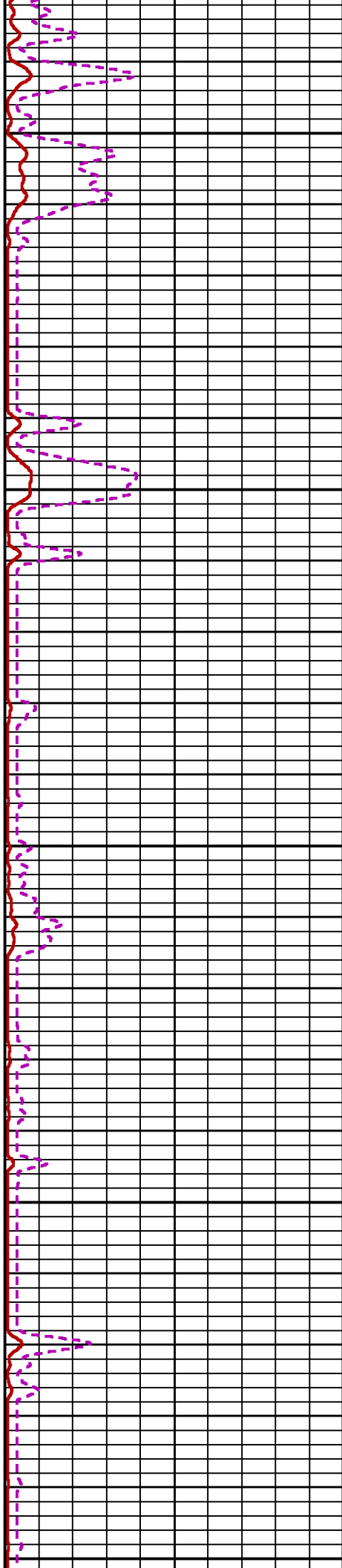
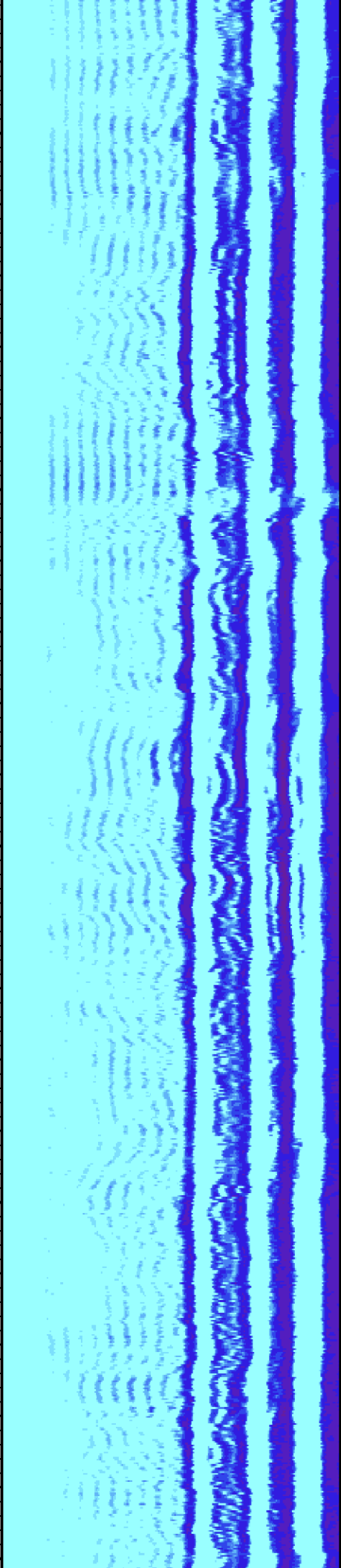
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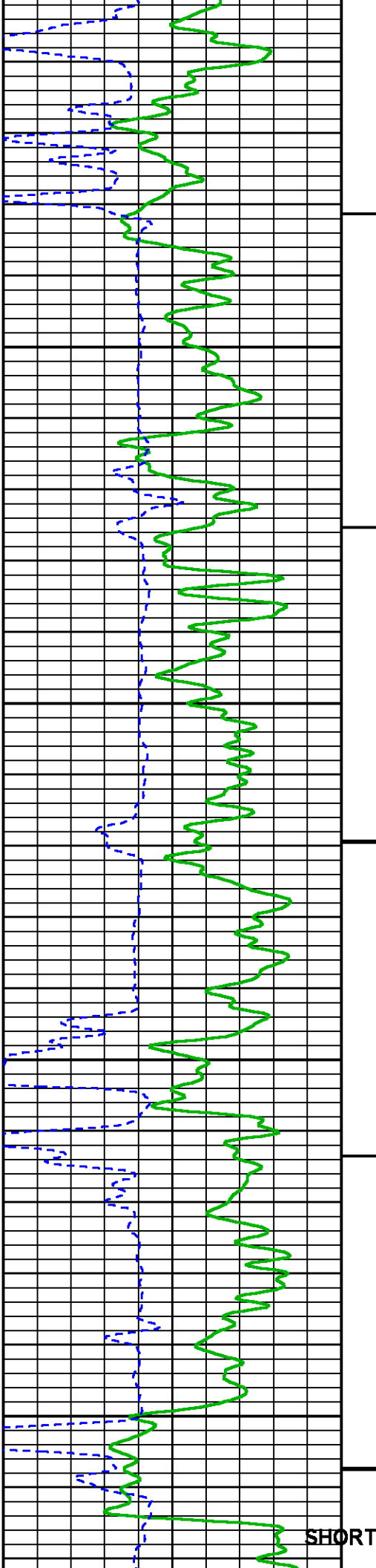
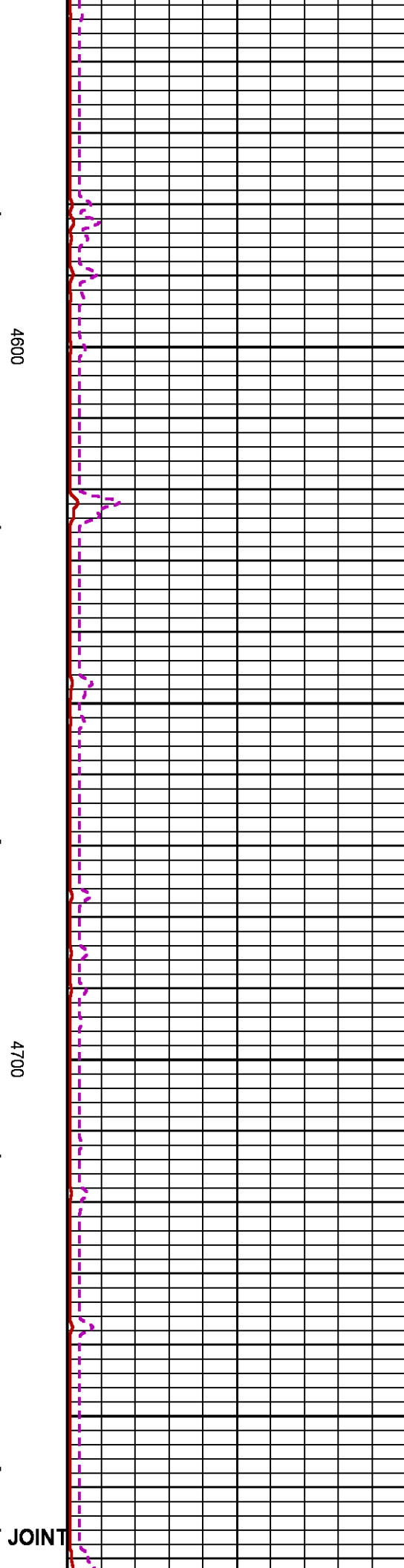
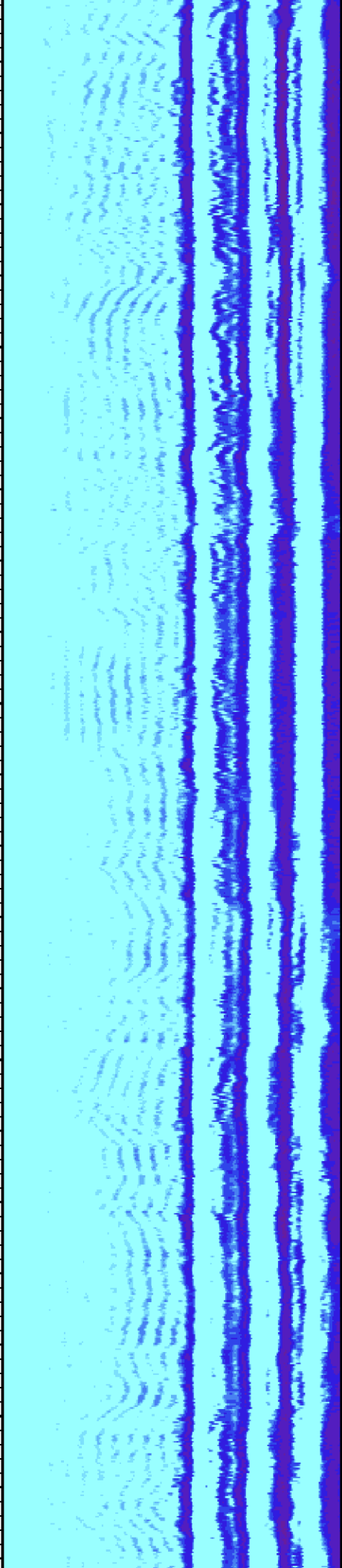


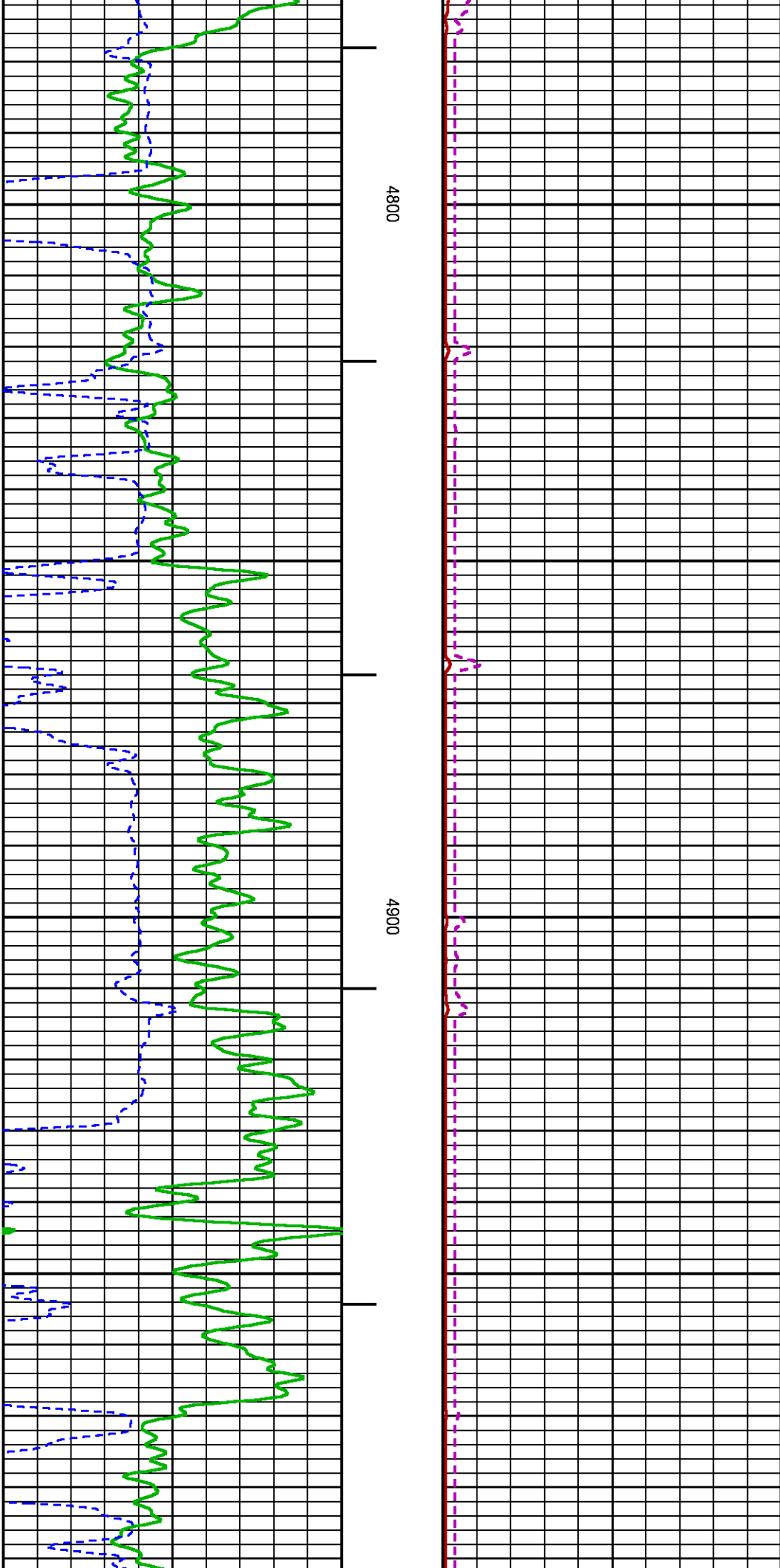
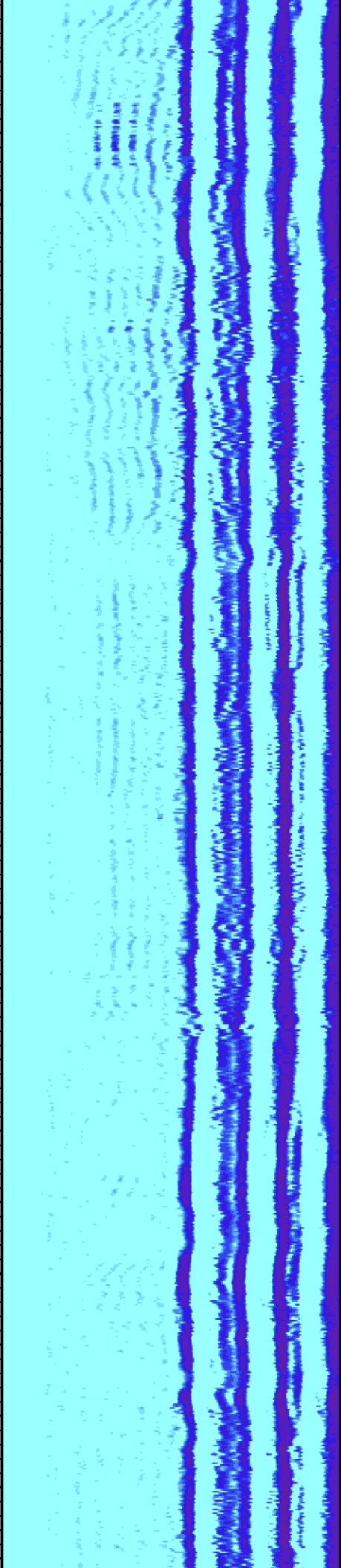


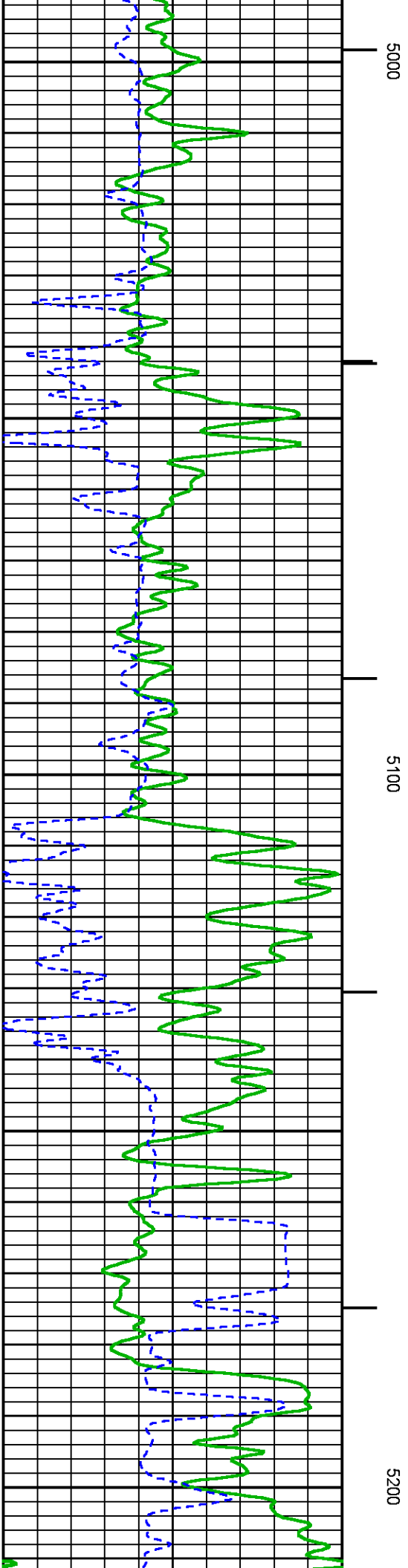
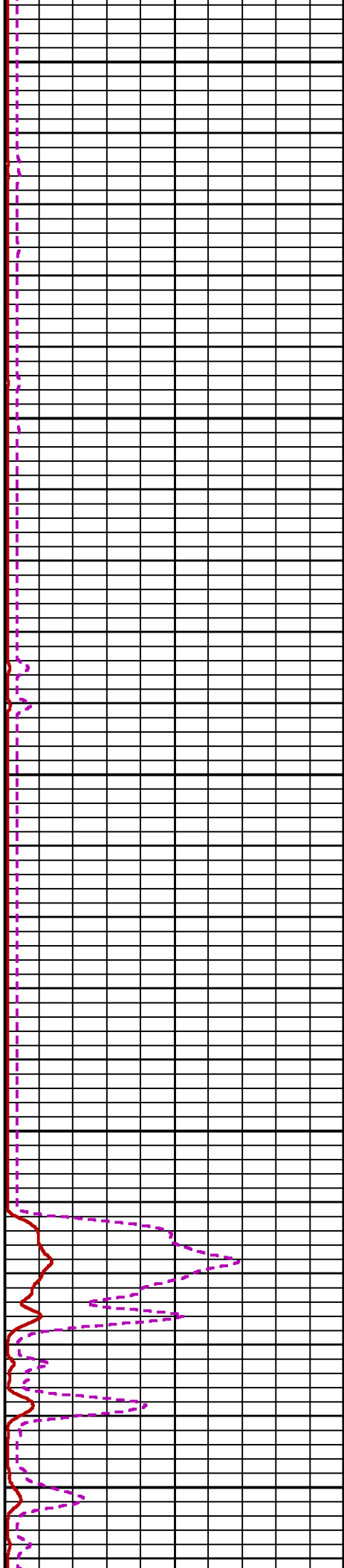
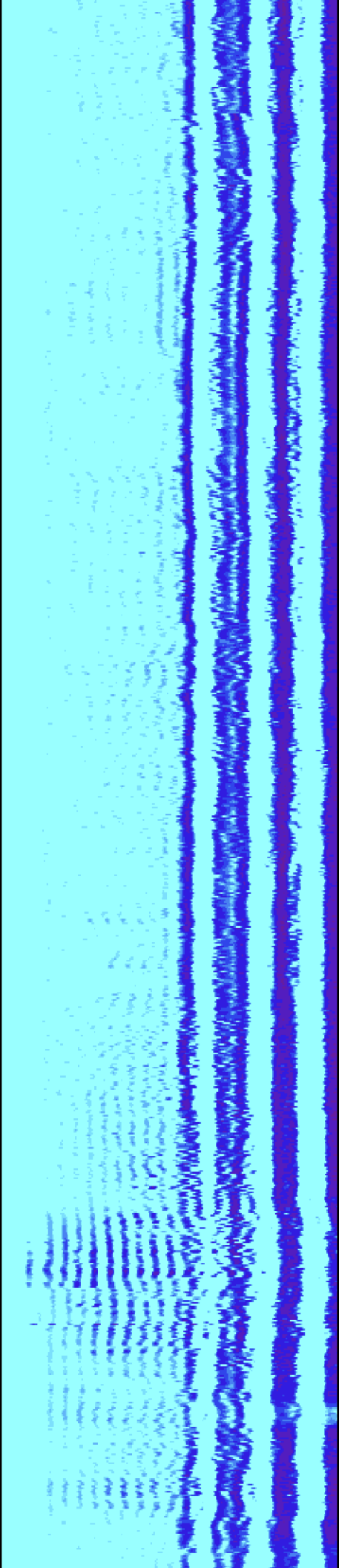


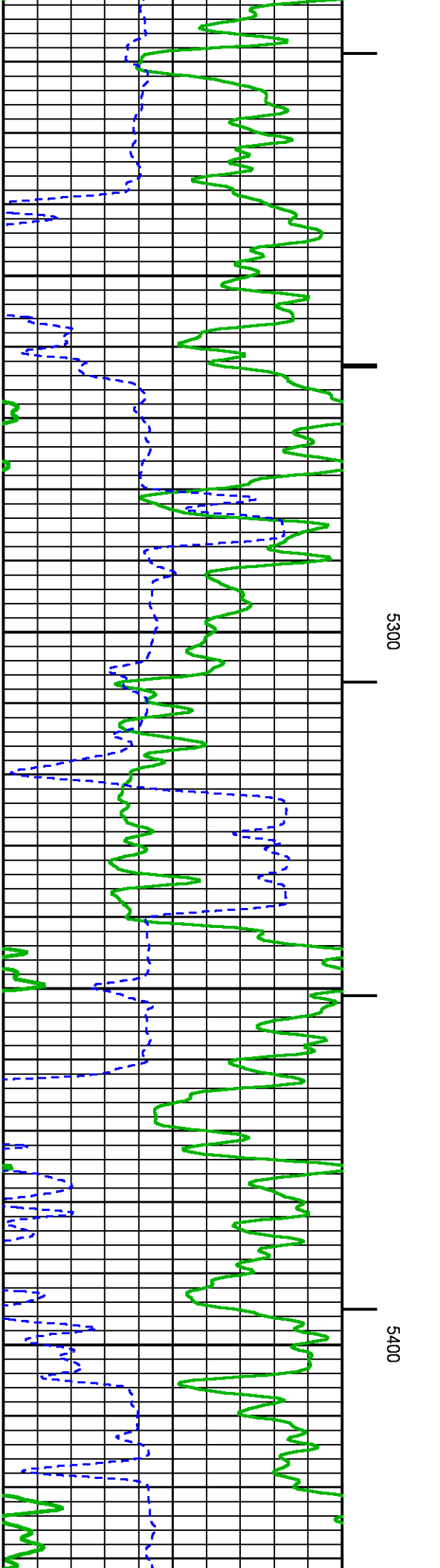
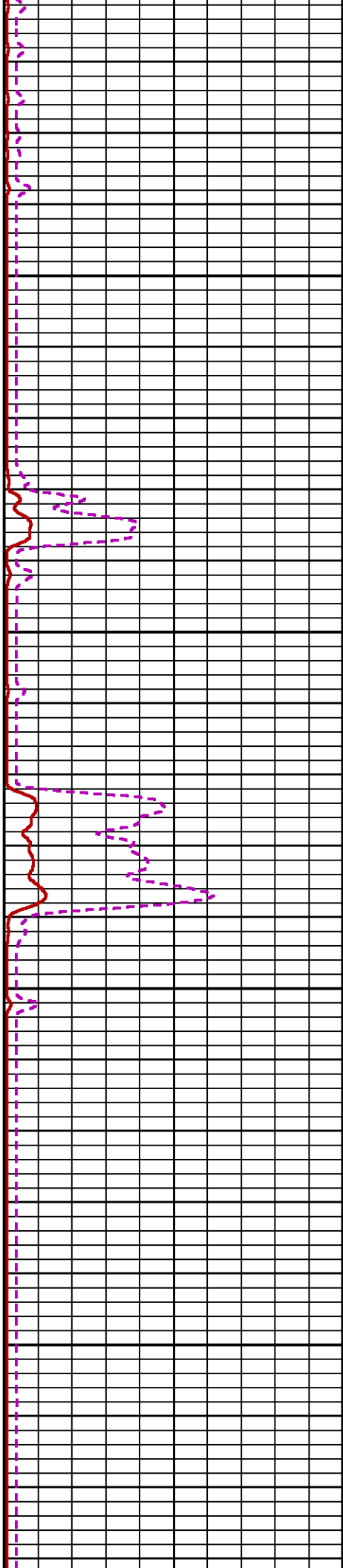
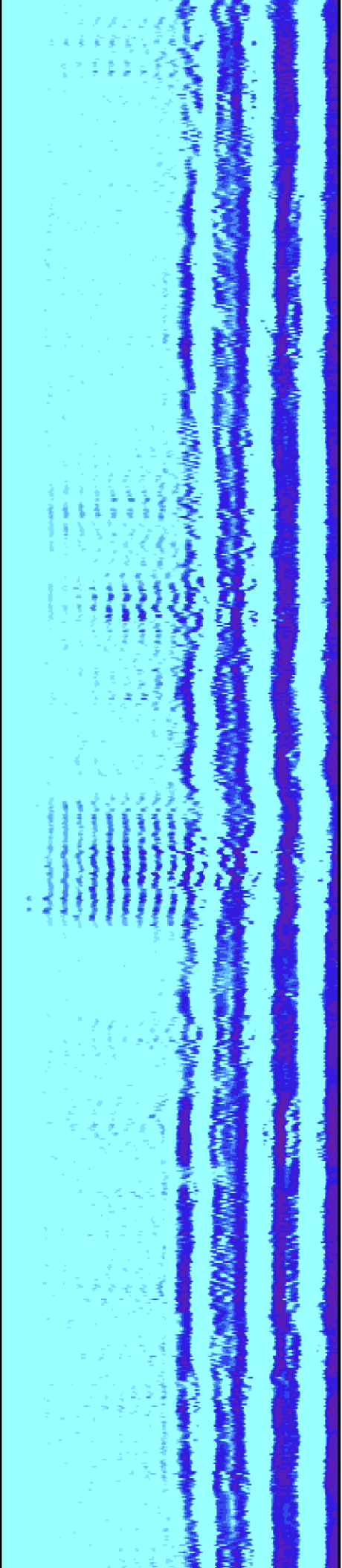


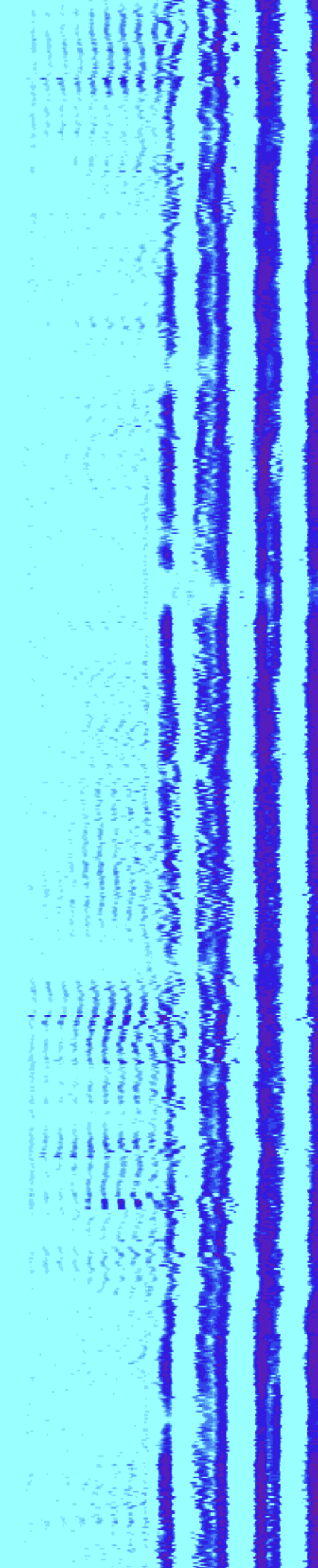
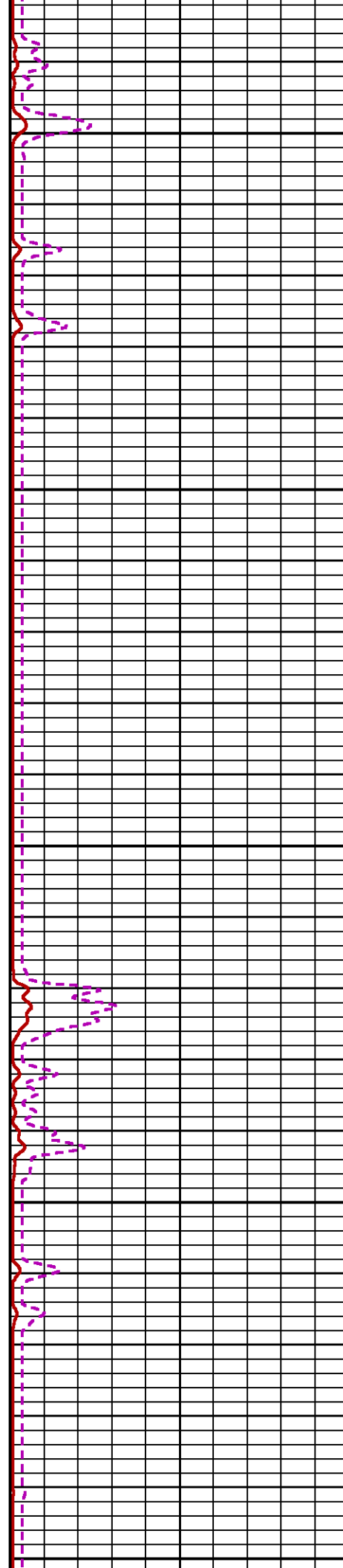
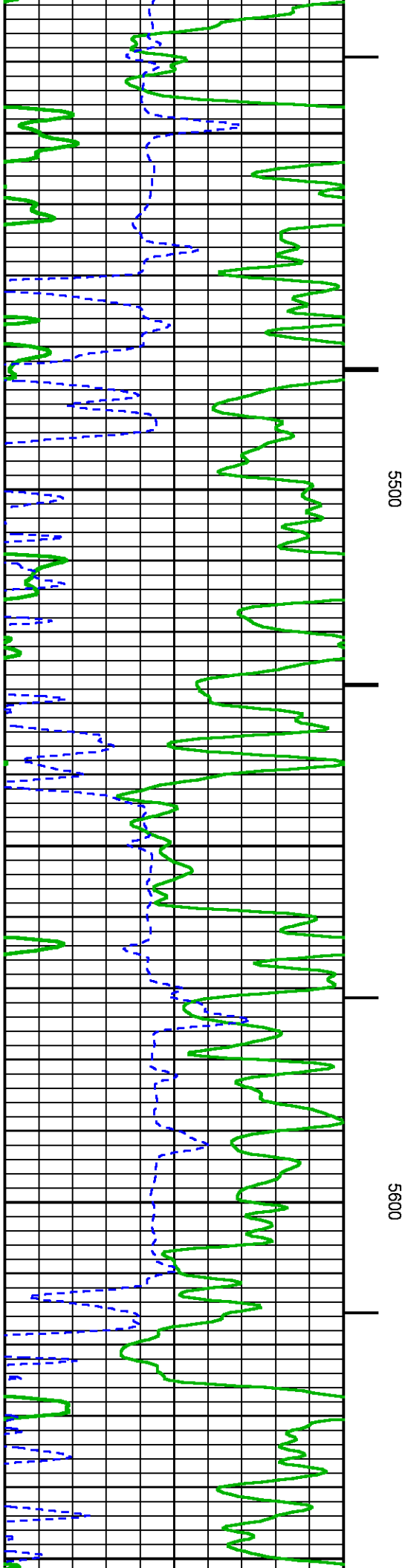


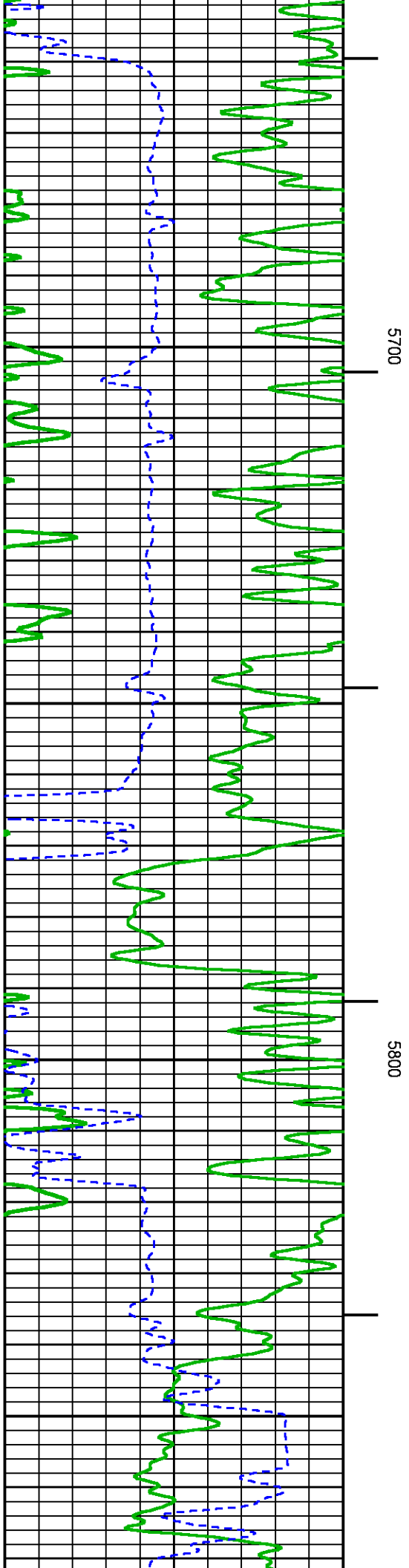
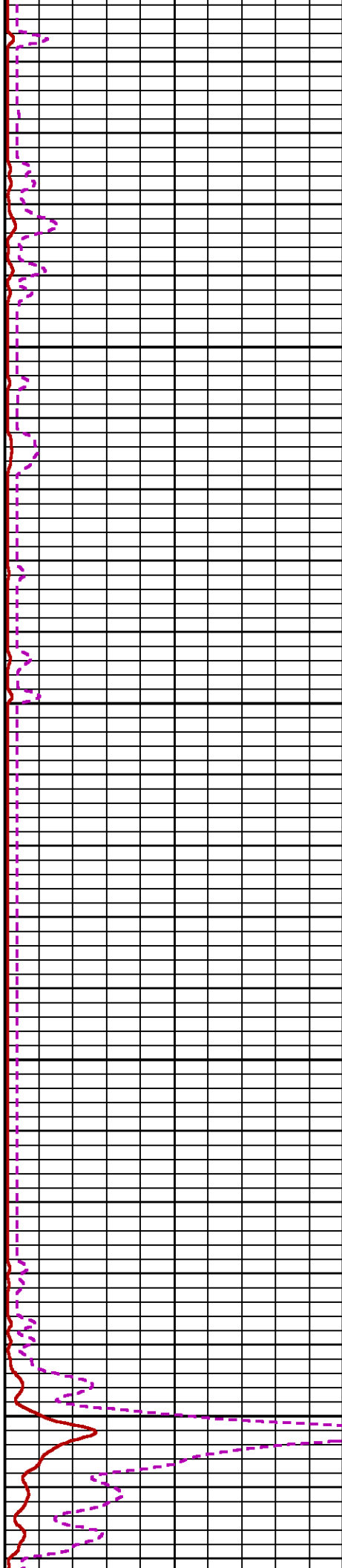
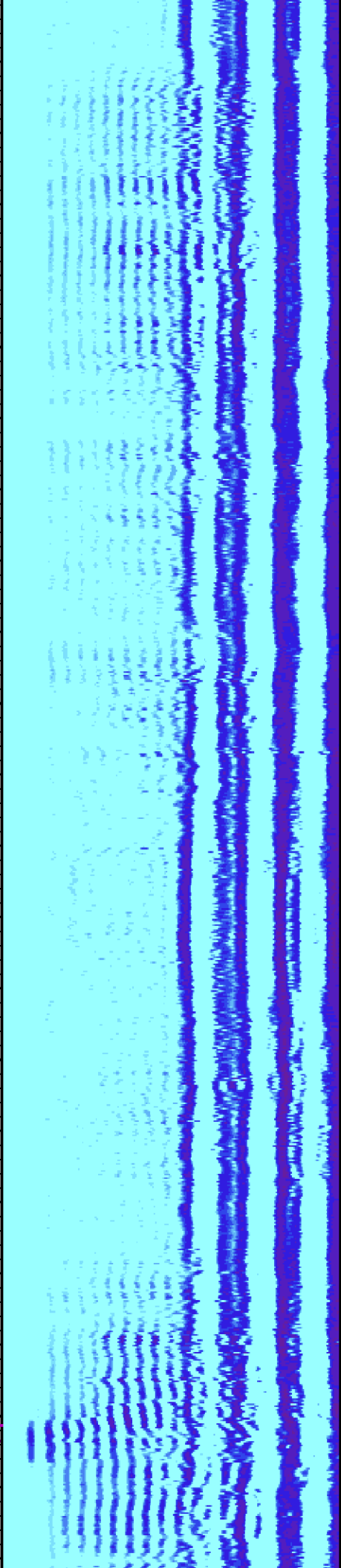


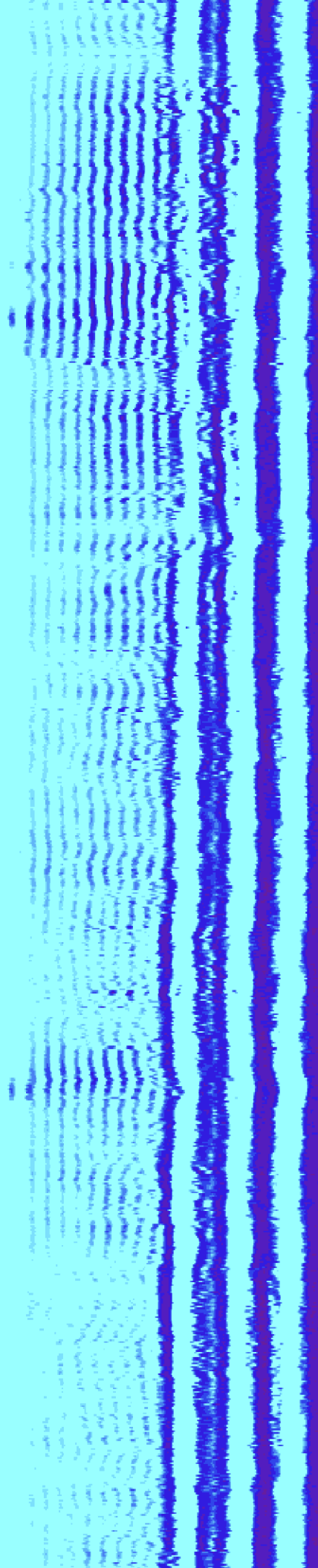
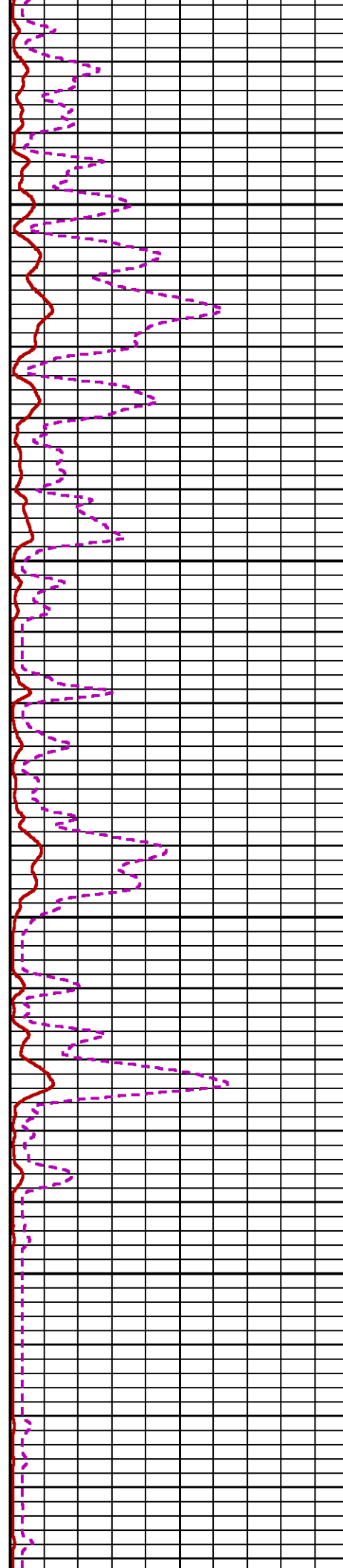
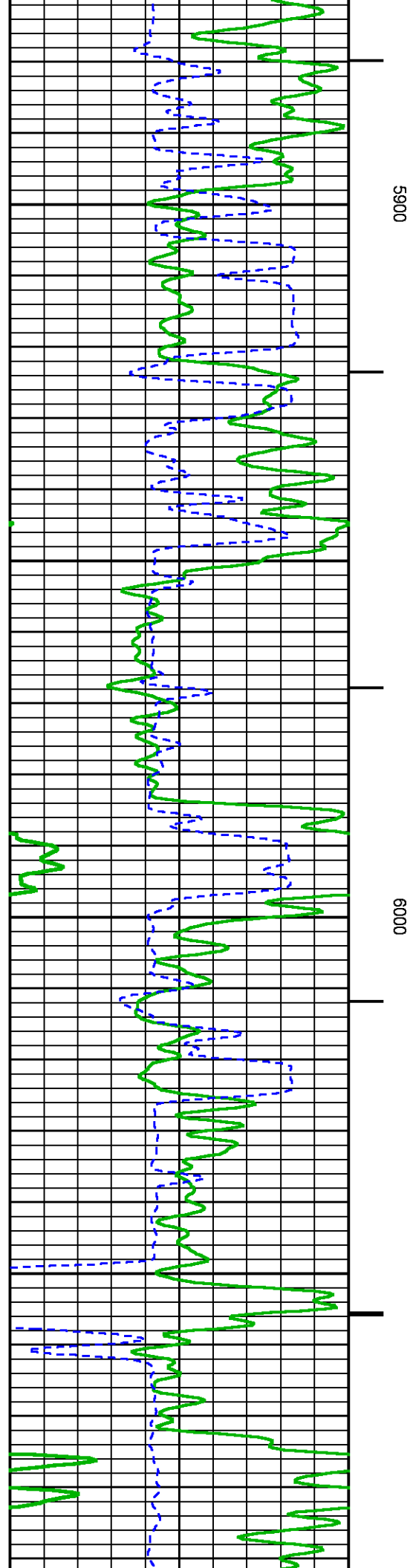


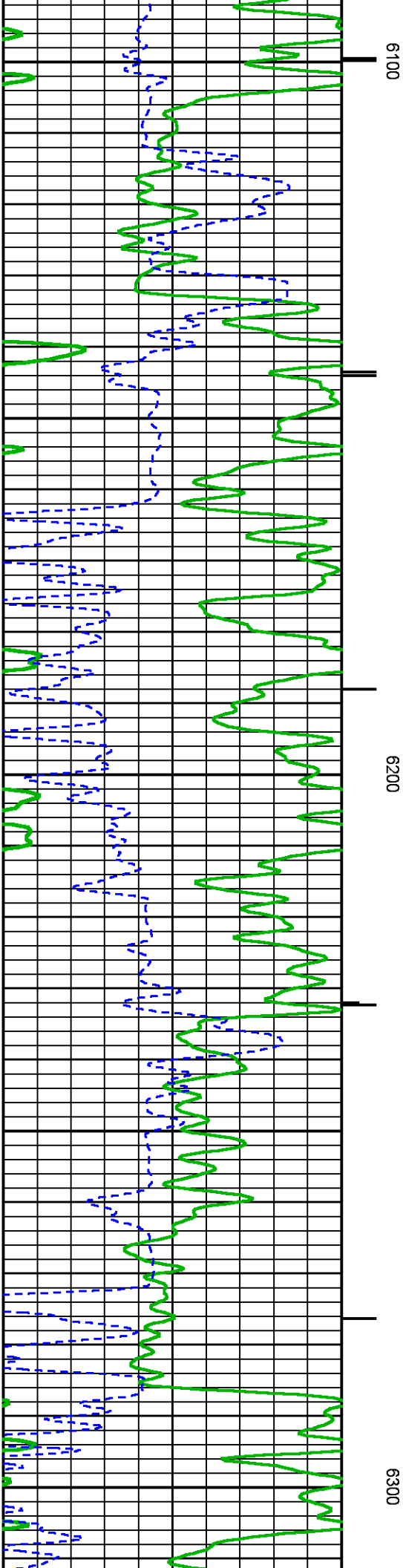
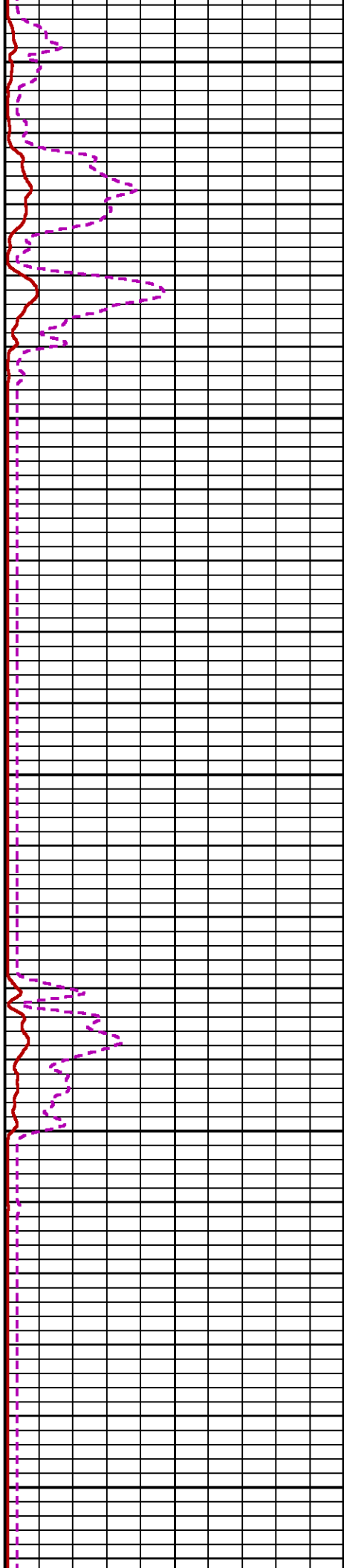
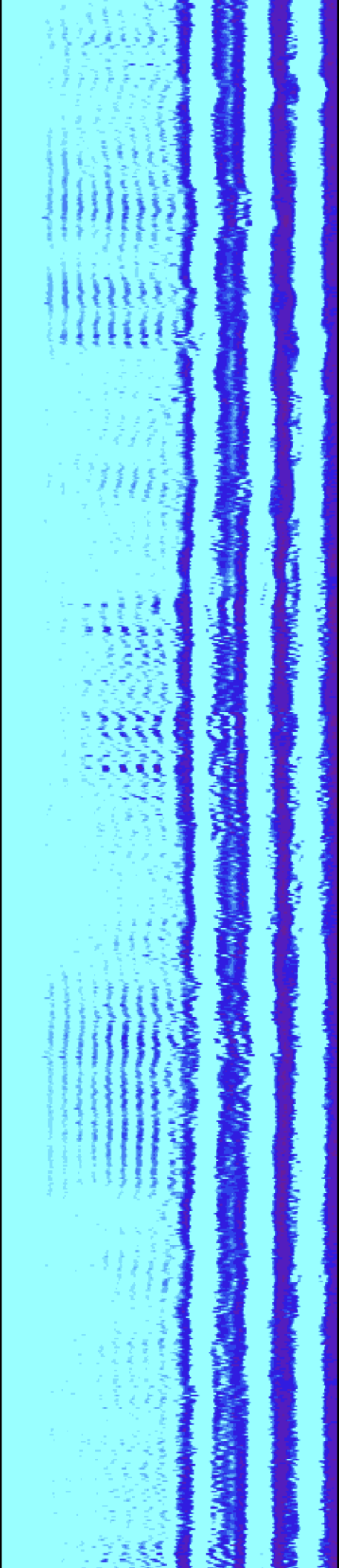


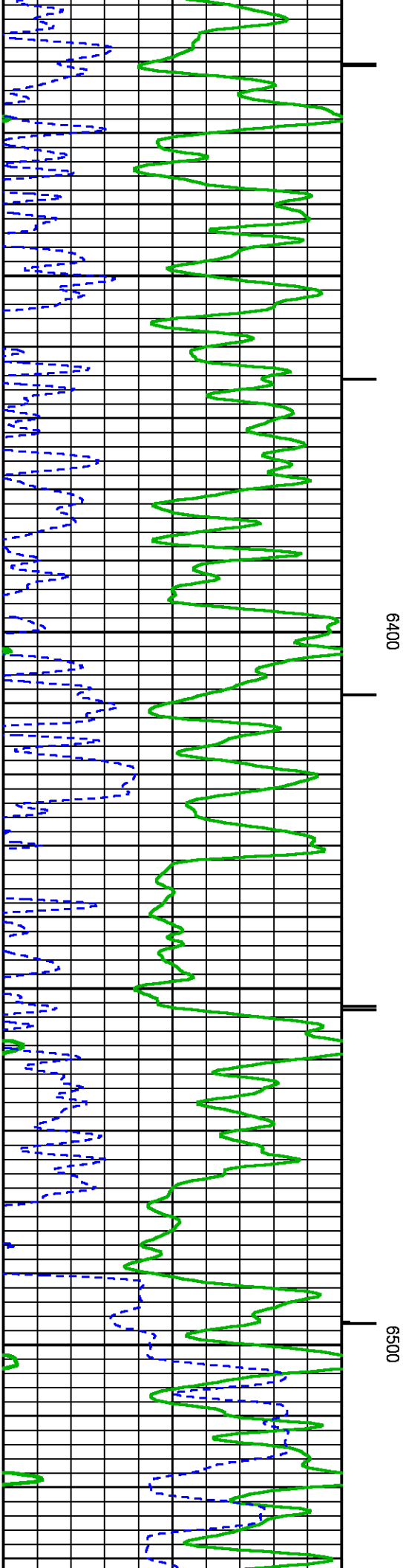
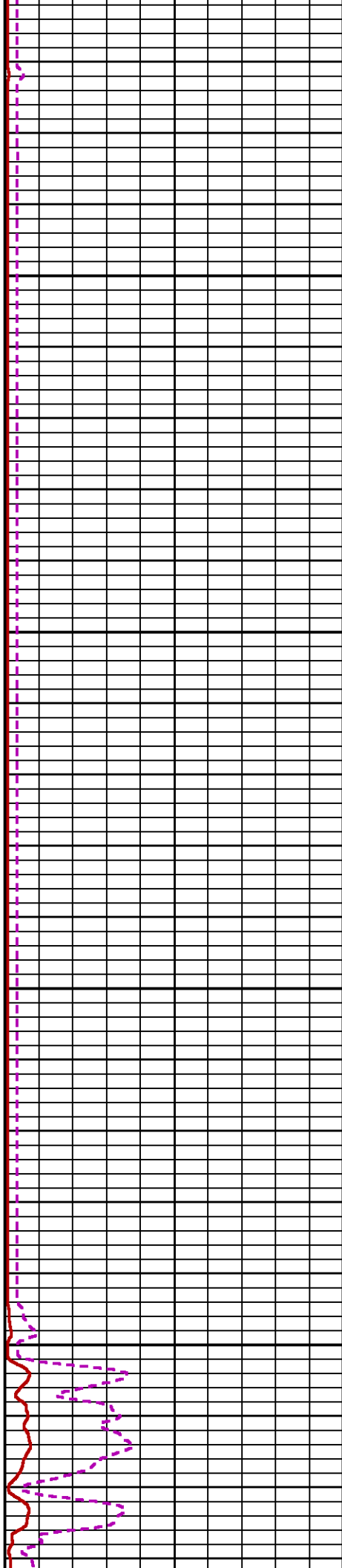
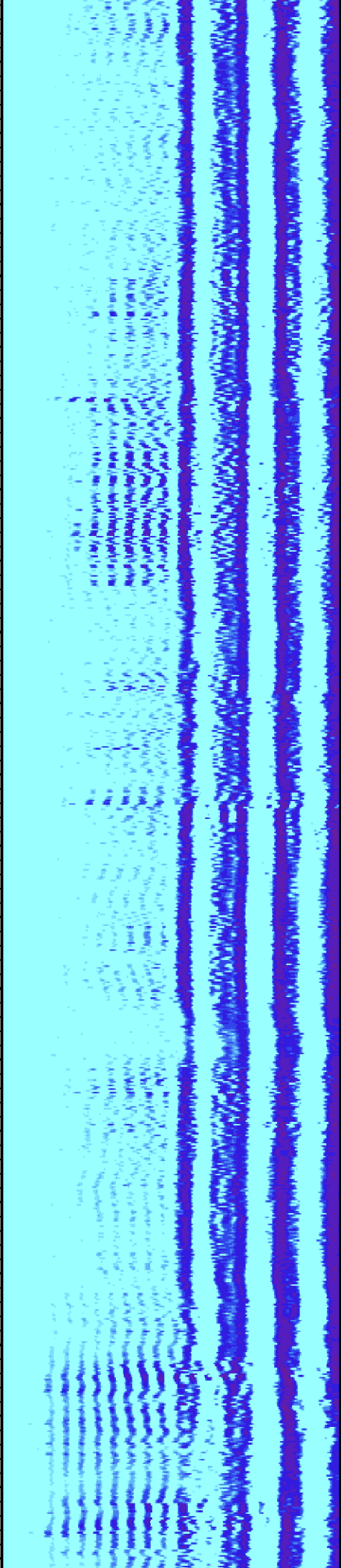


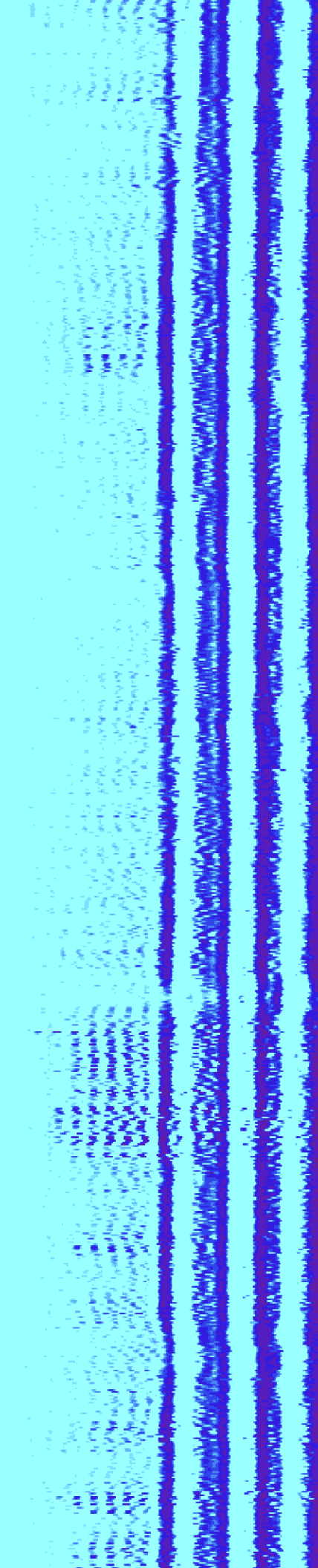
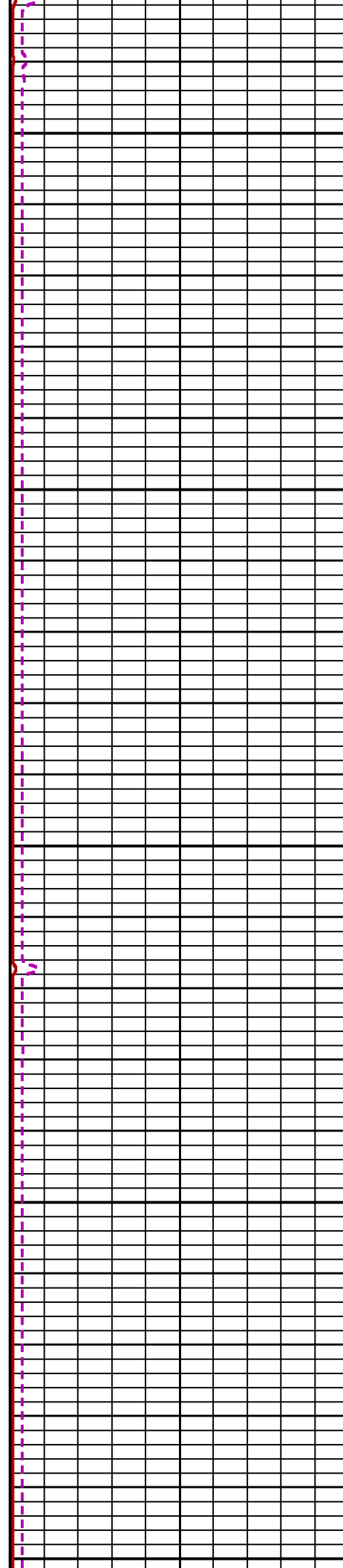
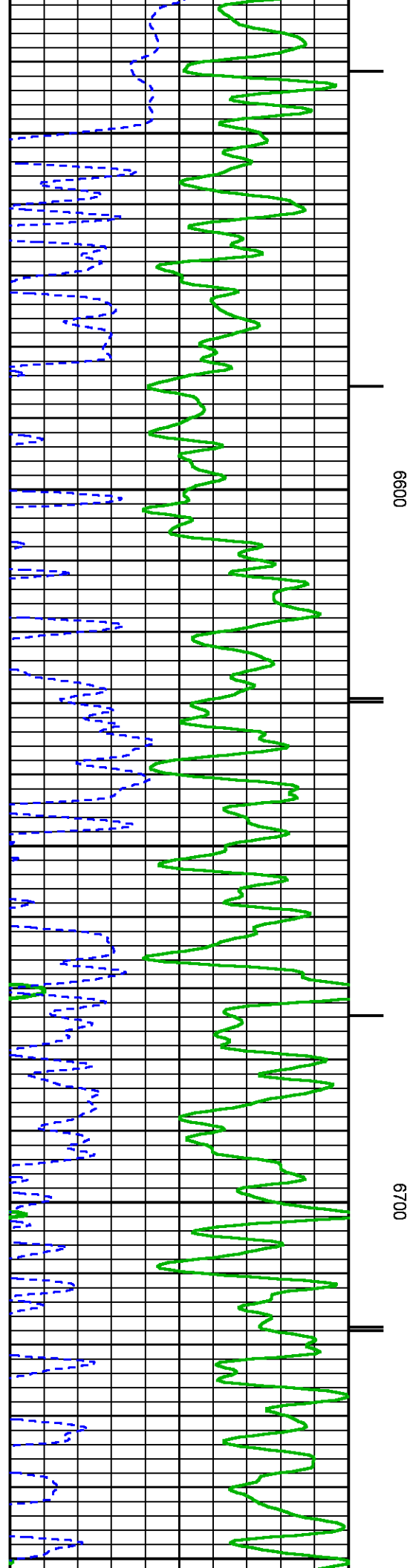


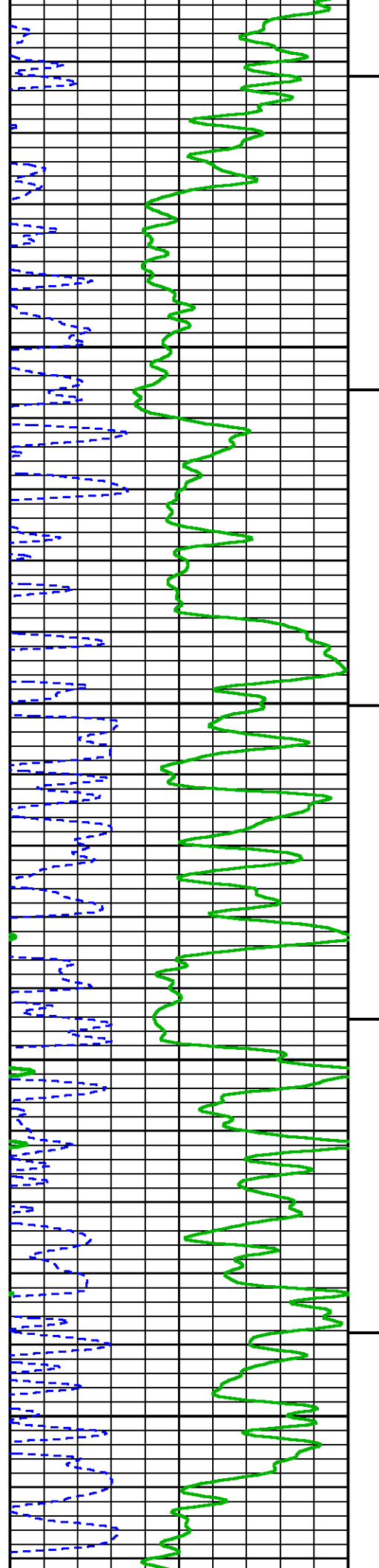






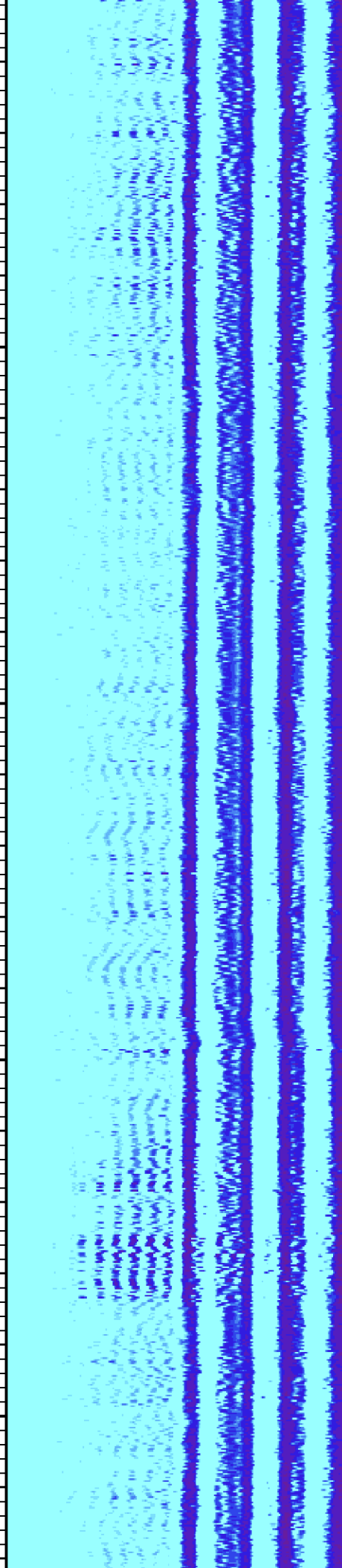
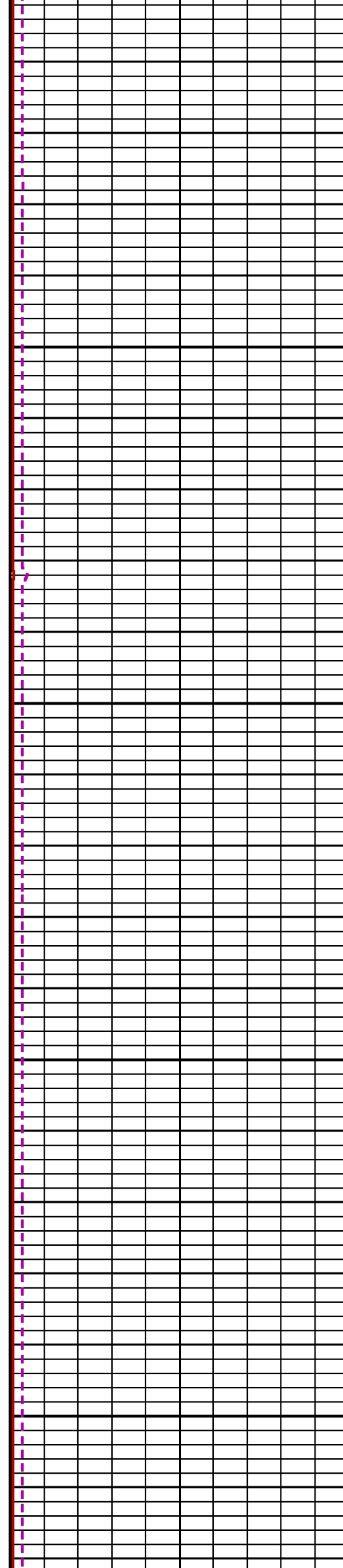


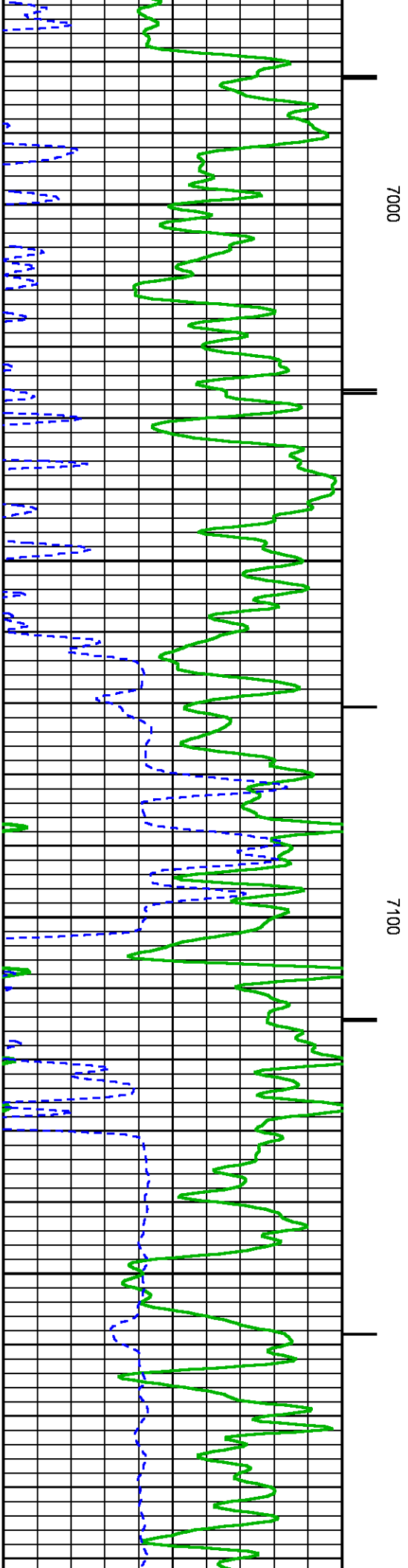
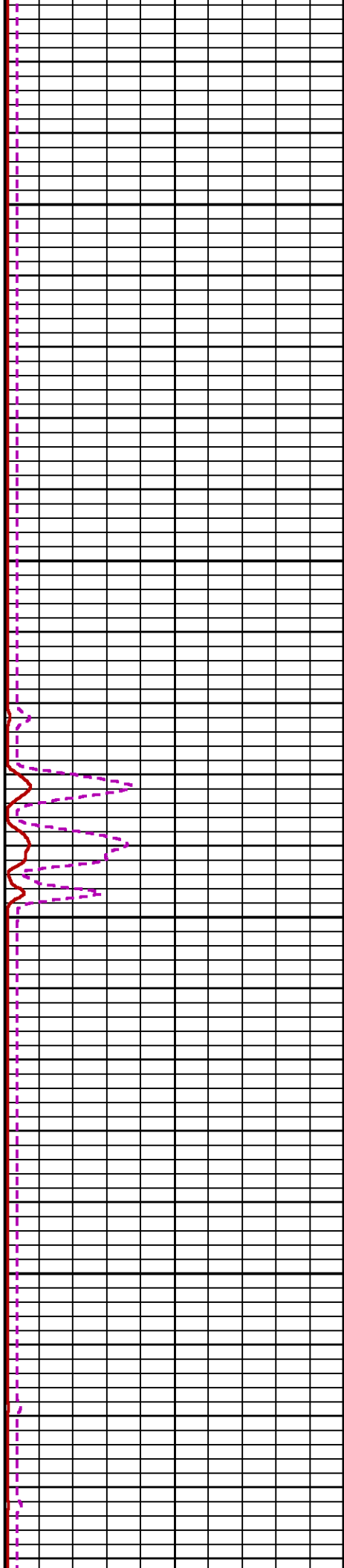
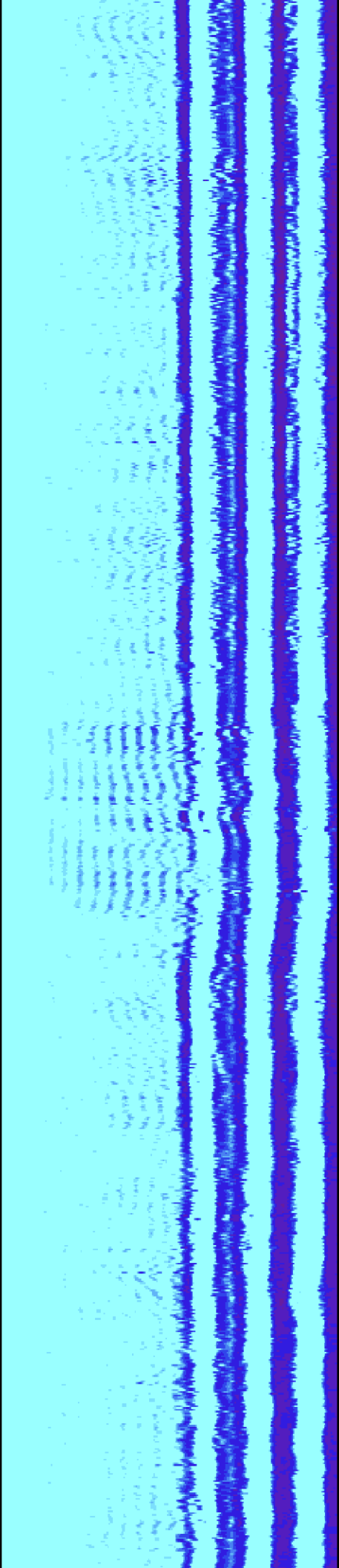


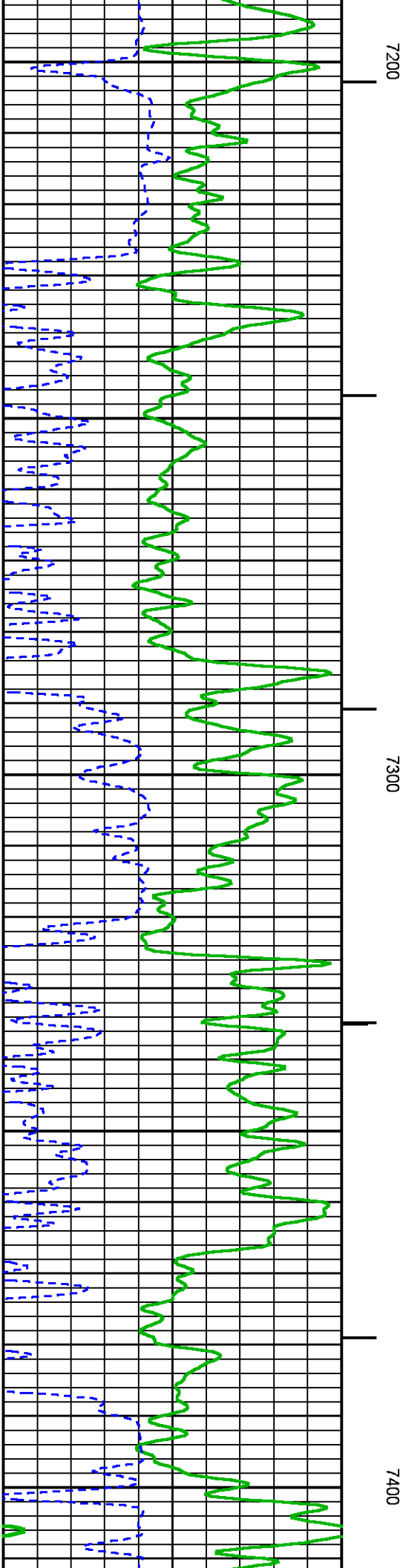
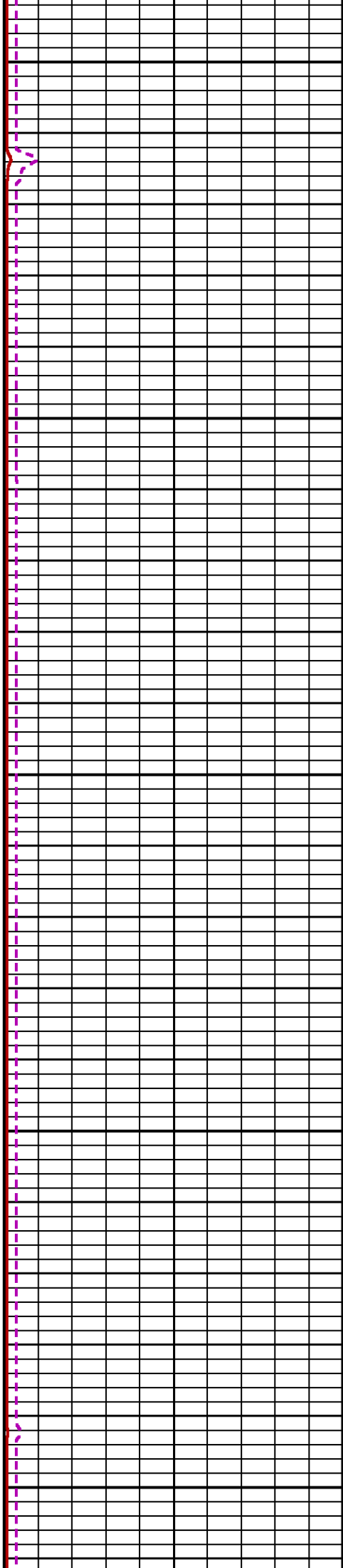
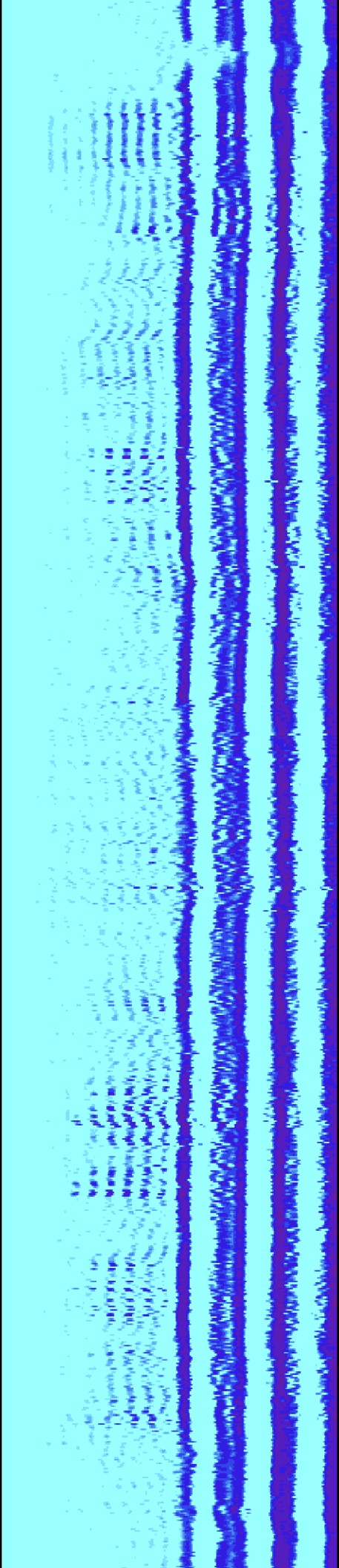


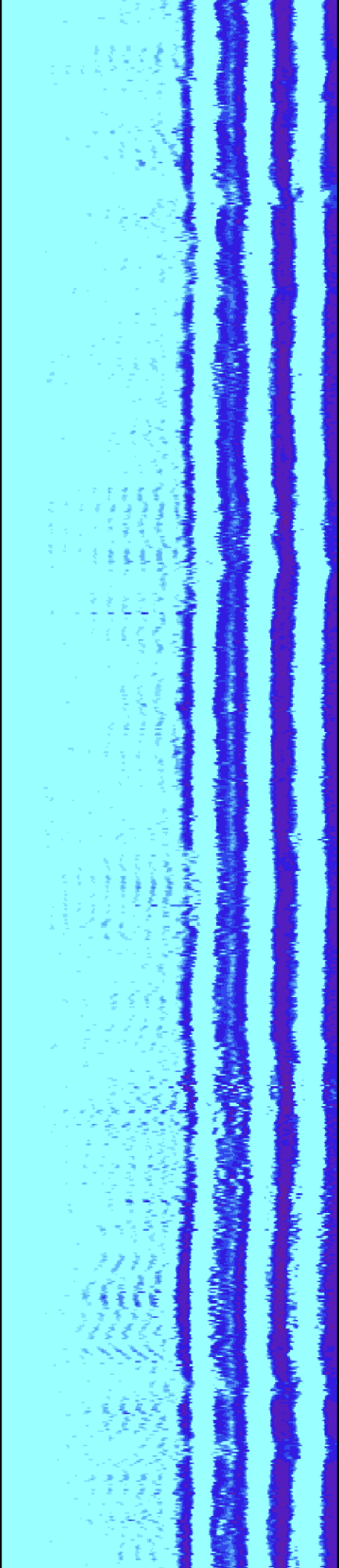
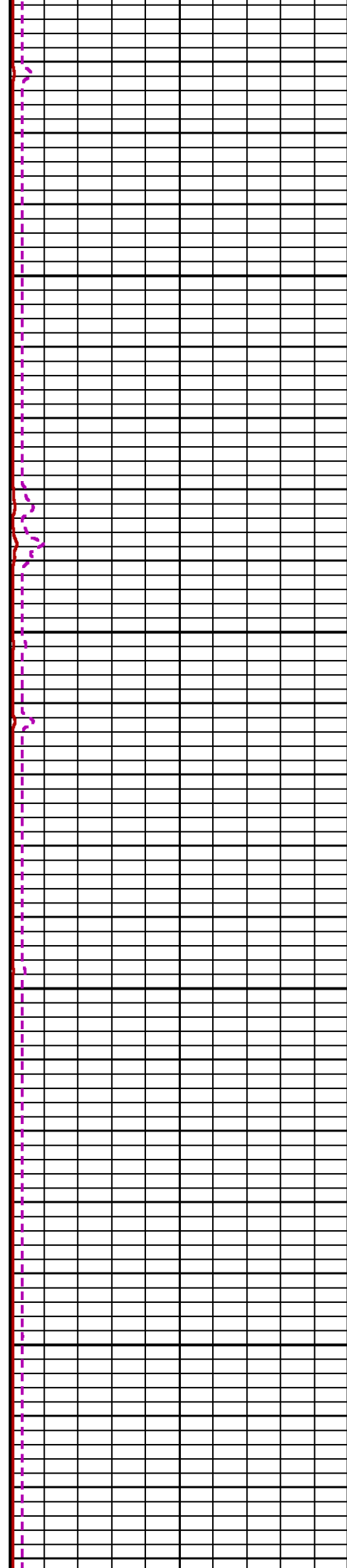
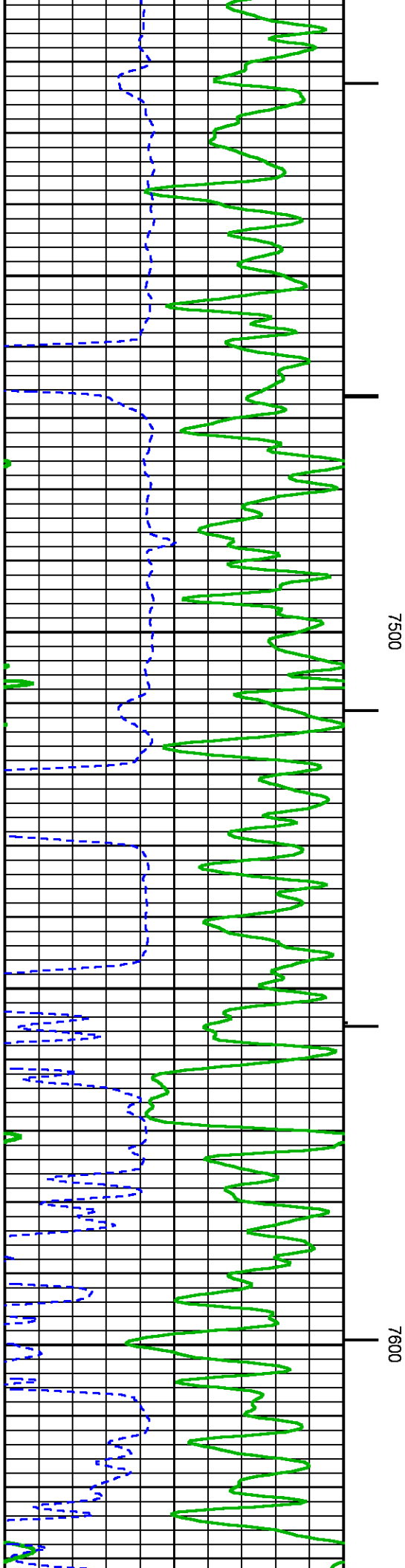
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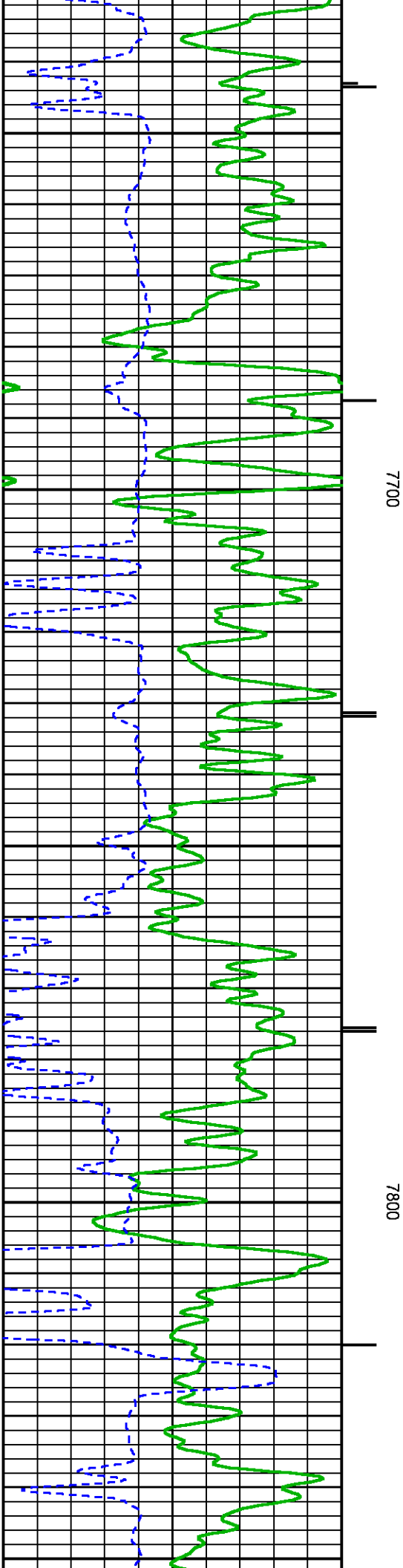
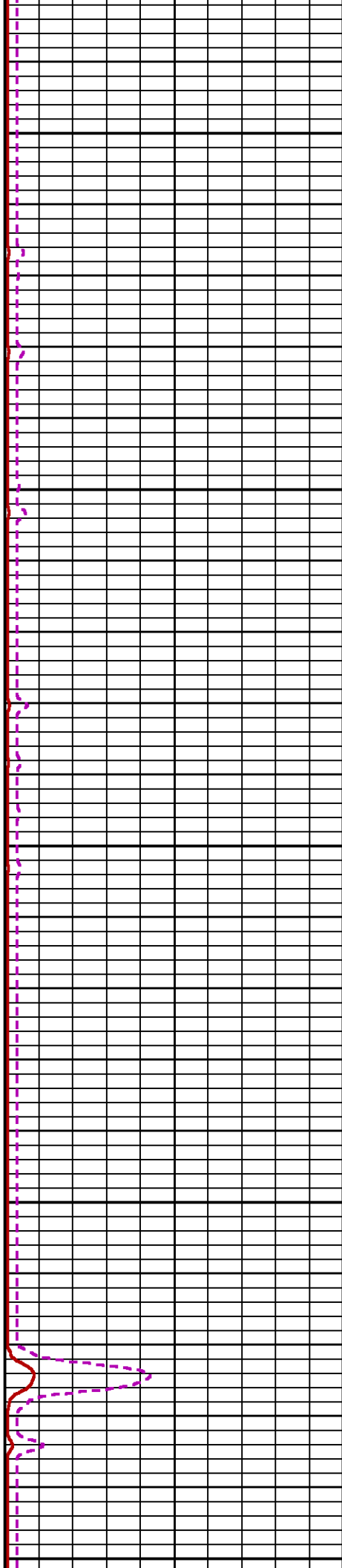
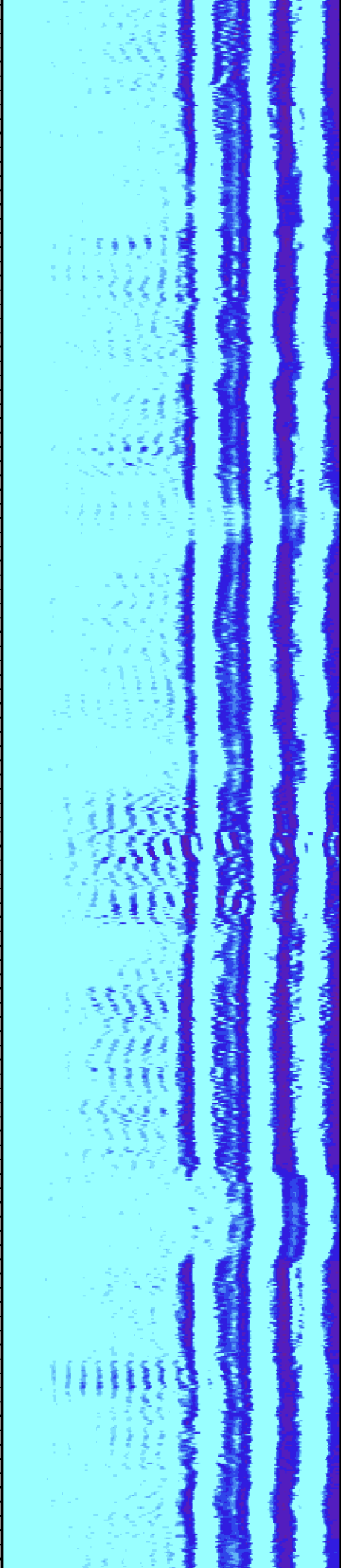
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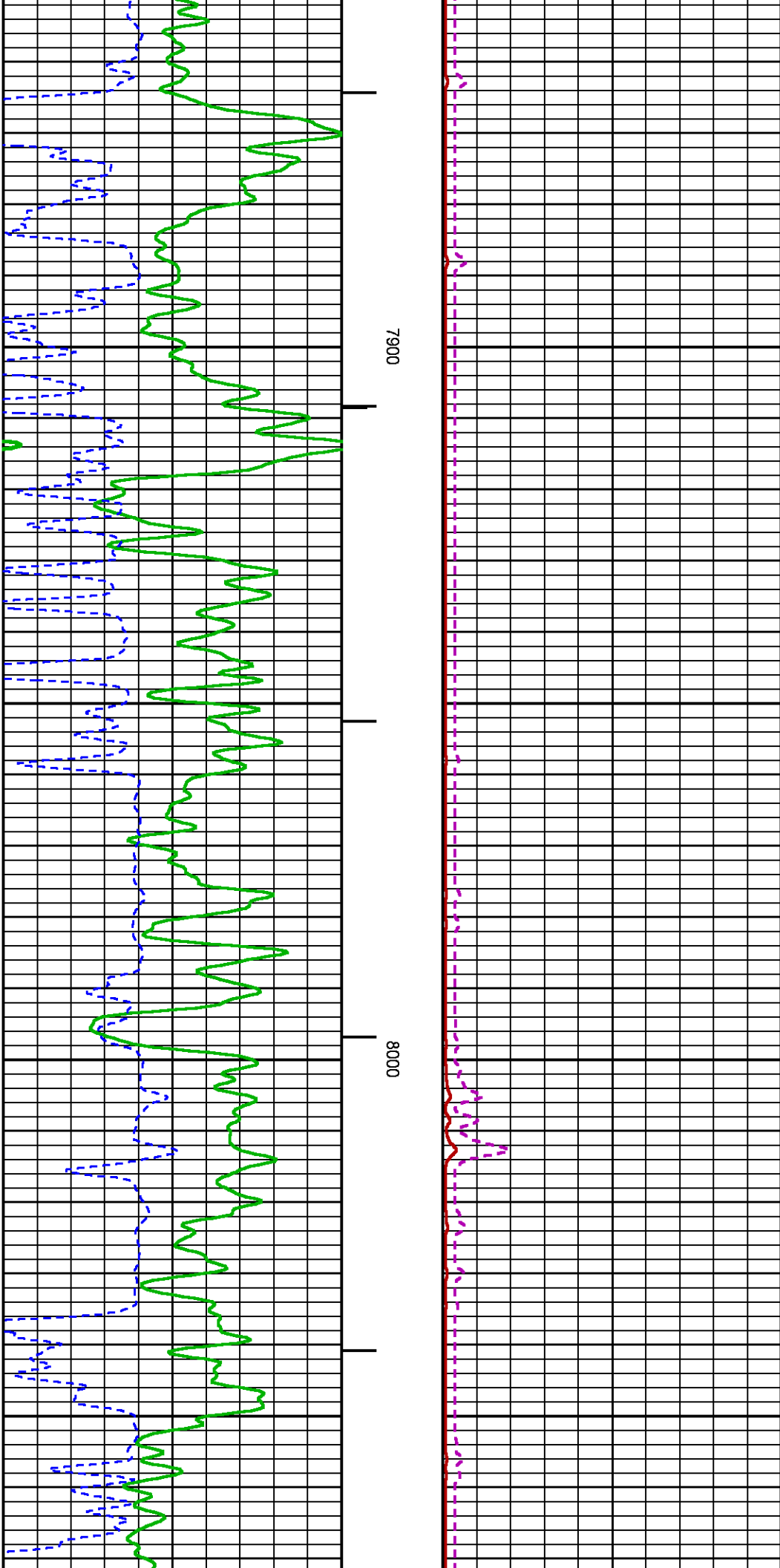
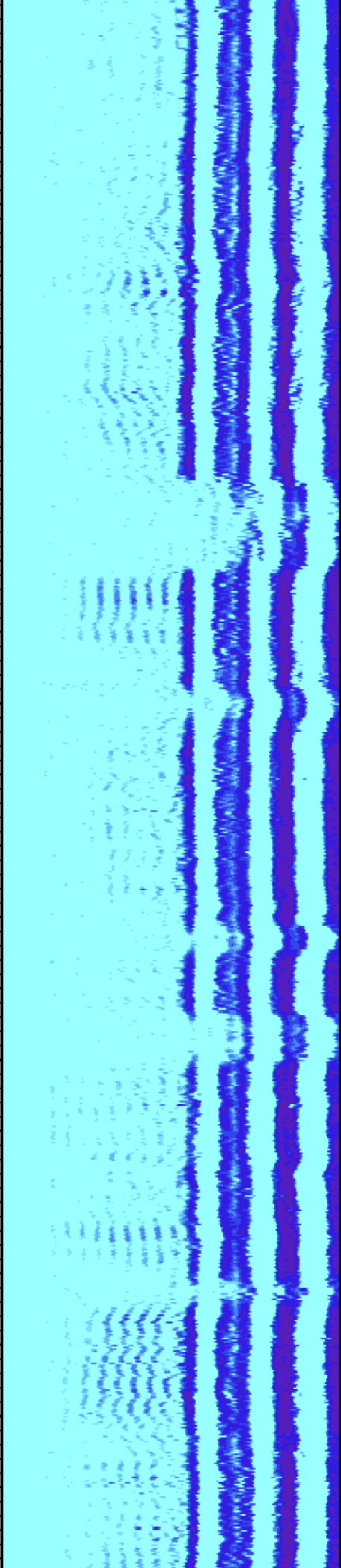


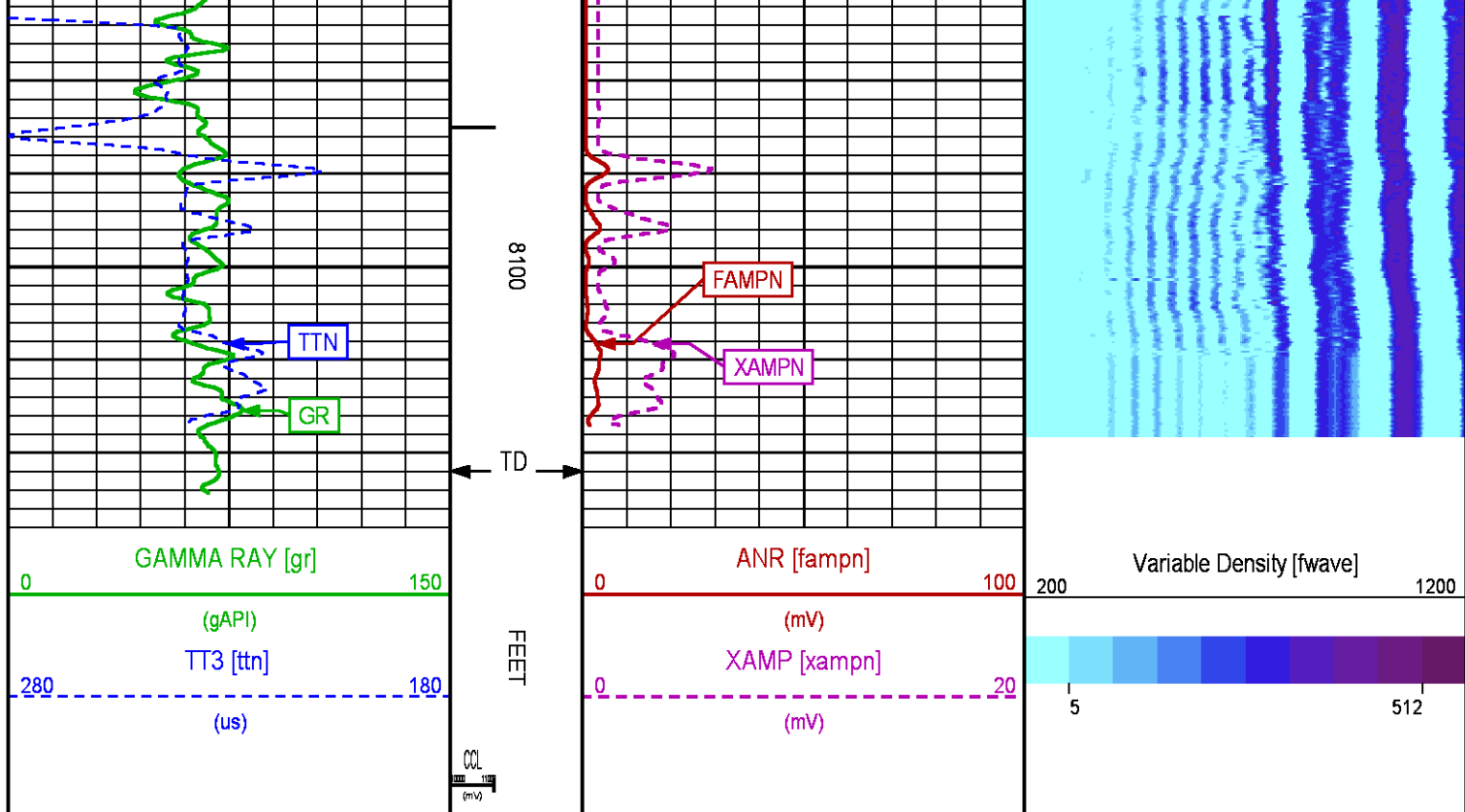












SECONDARY PRESENTATION 0 PSI

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

Plotted: Sun May 18 13:03:16 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH086321/n012e02.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 15.000 ft BOTTOM DEPTH: 8125.090 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*) | 187 | us | TOP | BOTTOM |
| | AMP WINDOW START (fgp2*) | 187 | us | " | " |
| | AMP WINDOW START (fgp3*) | 187 | us | " | " |
| | AMP WINDOW START (fgp4*) | 187 | us | " | " |
| | AMP WINDOW START (fgp5*) | 187 | us | " | " |

| | | | | | |
|---------------------------|----------------------------|---------|----|---|---|
| | AMP WINDOW START (fgp6*) | 187 | us | " | " |
| | AMP WINDOW START (fgp7*) | 187 | us | " | " |
| | AMP WINDOW START (fgp8*) | 187 | us | " | " |
| | AMP WINDOW START (fgpn*) | 187 | 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*) | -66 | us | " | " |
| | TOOL DELAY (str2*) | -66 | us | " | " |
| | TOOL DELAY (str3*) | -66 | us | " | " |
| | TOOL DELAY (str4*) | -66 | us | " | " |
| | TOOL DELAY (str5*) | -66 | us | " | " |
| | TOOL DELAY (str6*) | -66 | us | " | " |
| | TOOL DELAY (str7*) | -66 | us | " | " |
| | TOOL DELAY (str8*) | -66 | us | " | " |
| | TOOL DELAY (strn*) | -66 | 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 | 81 | mV | TOP | BOTTOM |
| | FREE AMP REC 2 | 81 | mV | " | " |
| | FREE AMP REC 3 | 81 | mV | " | " |
| | FREE AMP REC 4 | 81 | mV | " | " |
| | FREE AMP REC 5 | 81 | mV | " | " |
| | FREE AMP REC 6 | 81 | mV | " | " |
| | FREE AMP REC 7 | 81 | mV | " | " |
| | FREE AMP REC 8 | 81 | 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 | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE T-R1 |
| F1:AR2 | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE T-R2 |
| F1:AR3 | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE T-R3 |
| F1:AR4 | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE T-R4 |
| F1:AR5 | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE T-R5 |
| F1:AR6 | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE T-R6 |
| F1:AR7 | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE T-R7 |
| F1:AR8 | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE T-R8 |
| F1:CCL | May 18 08:23:11 2014 | CASING COLLAR LOCATOR |
| F1:FAMPN | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE NEAR RECEIVER |
| F1:FWAVE | May 18 08:23:11 2014 | FAR WAVE FORM |
| F1:GR | May 18 08:23:11 2014 | GAMMA RAY |
| F1:PBMAP | May 18 08:23:11 2014 | PERCENT BOND CEMENT MAP |
| F1:TTN | May 18 08:23:11 2014 | TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER |
| F1:XAMPN | May 18 08:23:11 2014 | FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE |

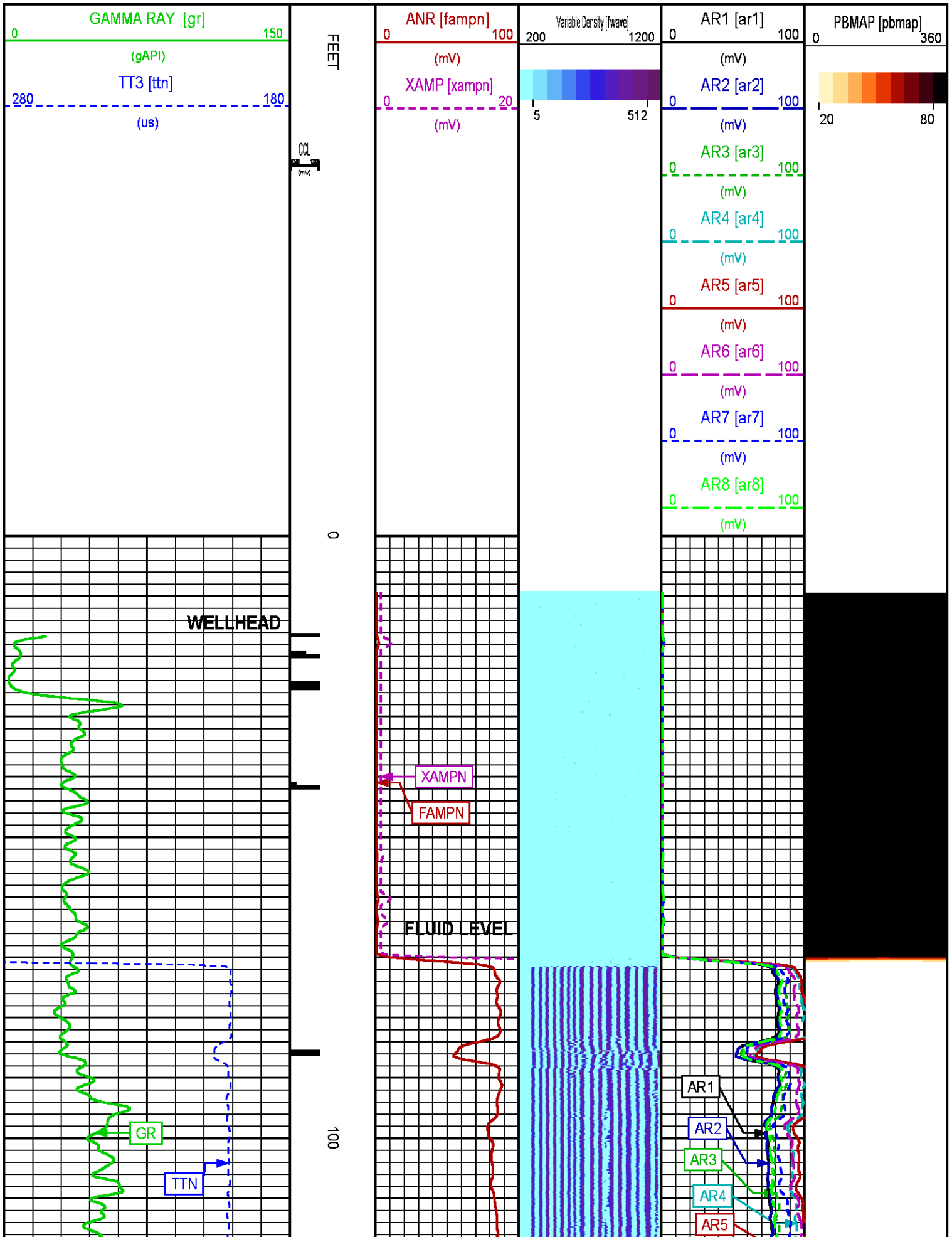
CURVE MEASURE POINT OFFSET

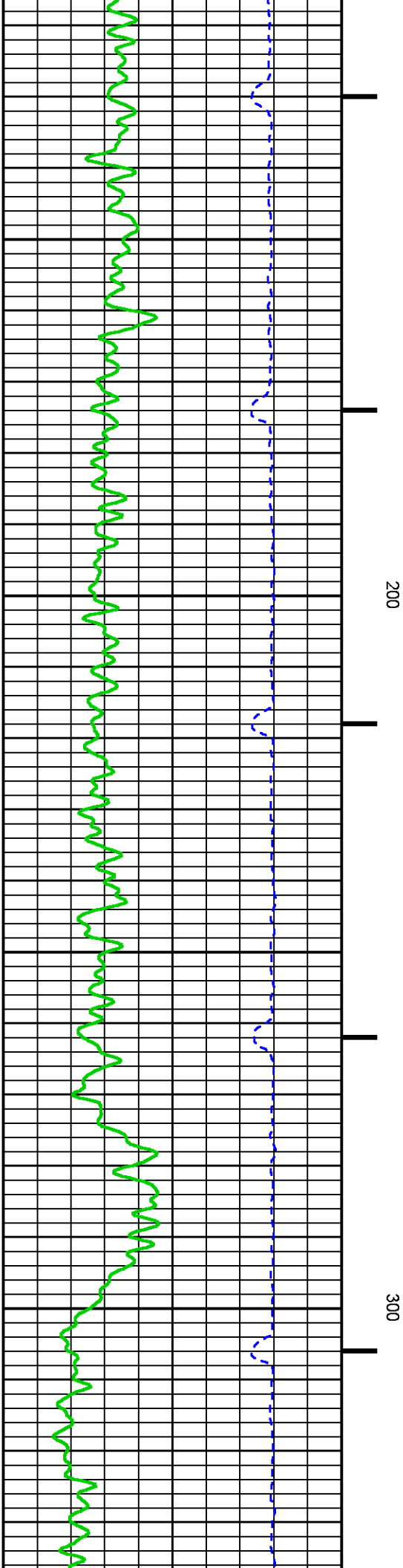
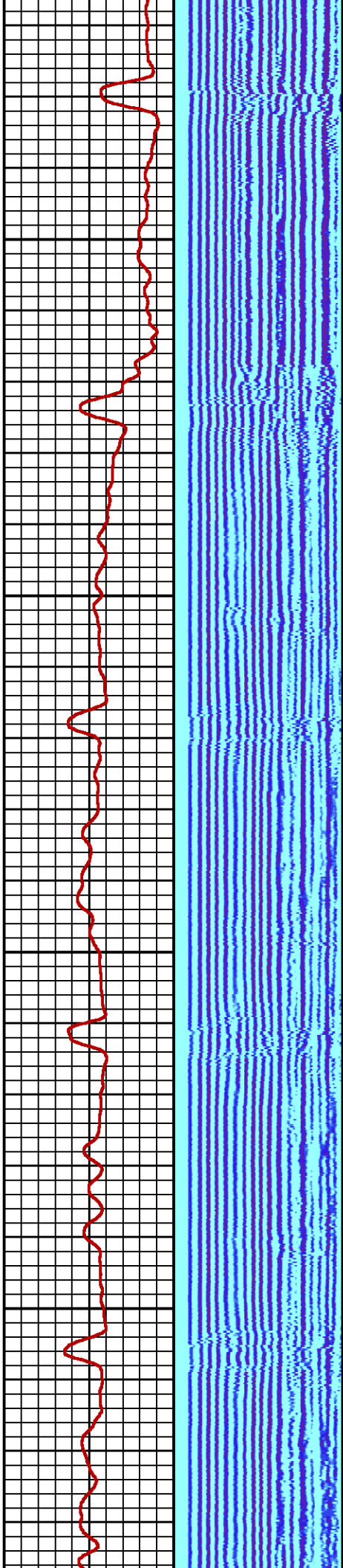
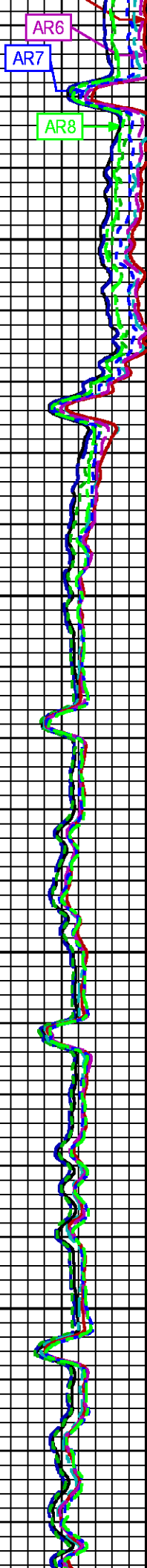
| CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) |
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| AR1 | 13.75 | AR5 | 13.75 | CCL | 8.50 | XAMPN | 13.75 |
| AR2 | 13.75 | AR6 | 13.75 | FAMPN | 13.75 | | |
| AR3 | 13.75 | AR7 | 13.75 | GR | 6.50 | | |
| AR4 | 13.75 | AR8 | 13.75 | TTN | 13.75 | | |

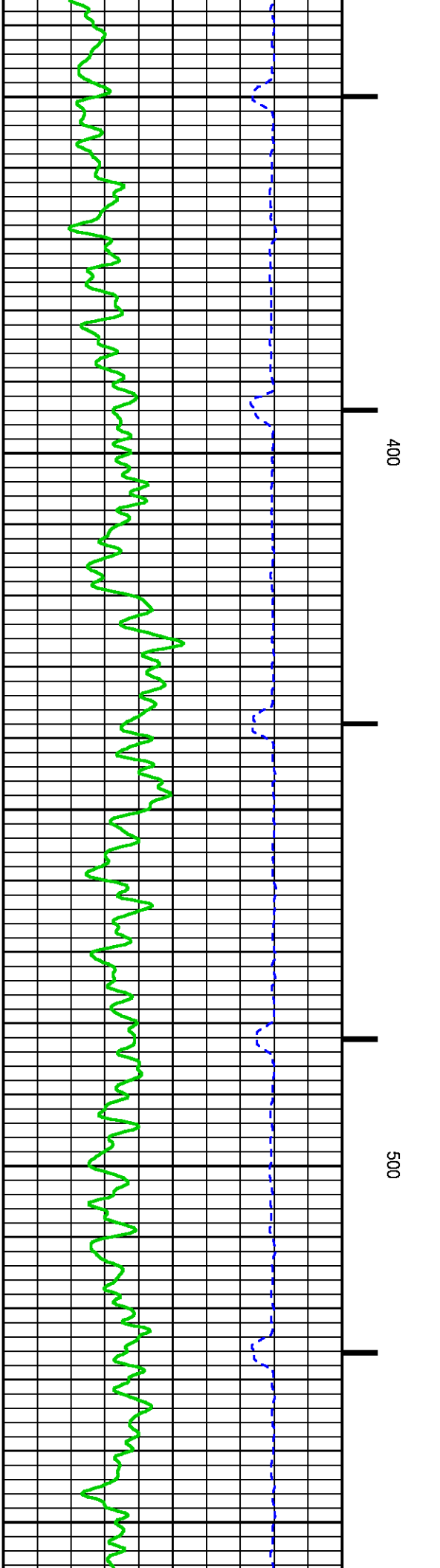
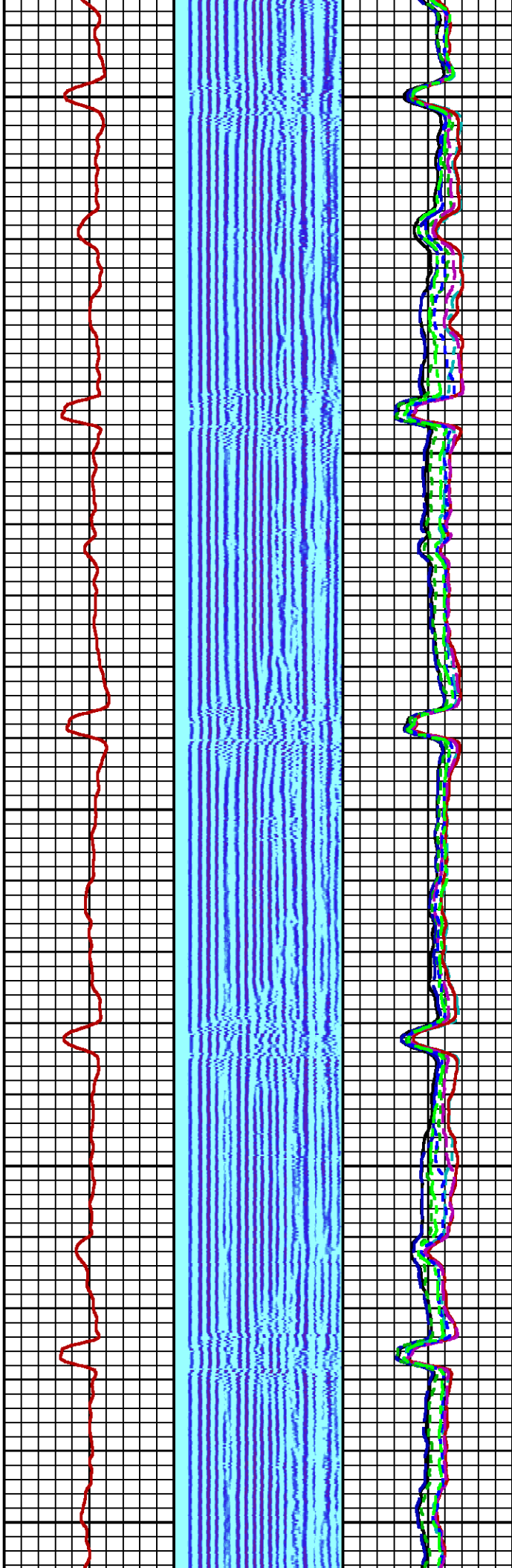
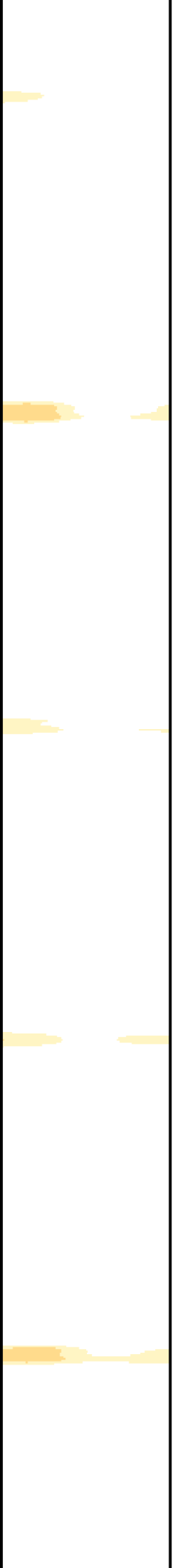
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Plot Interval : 0 - 8127 Feet

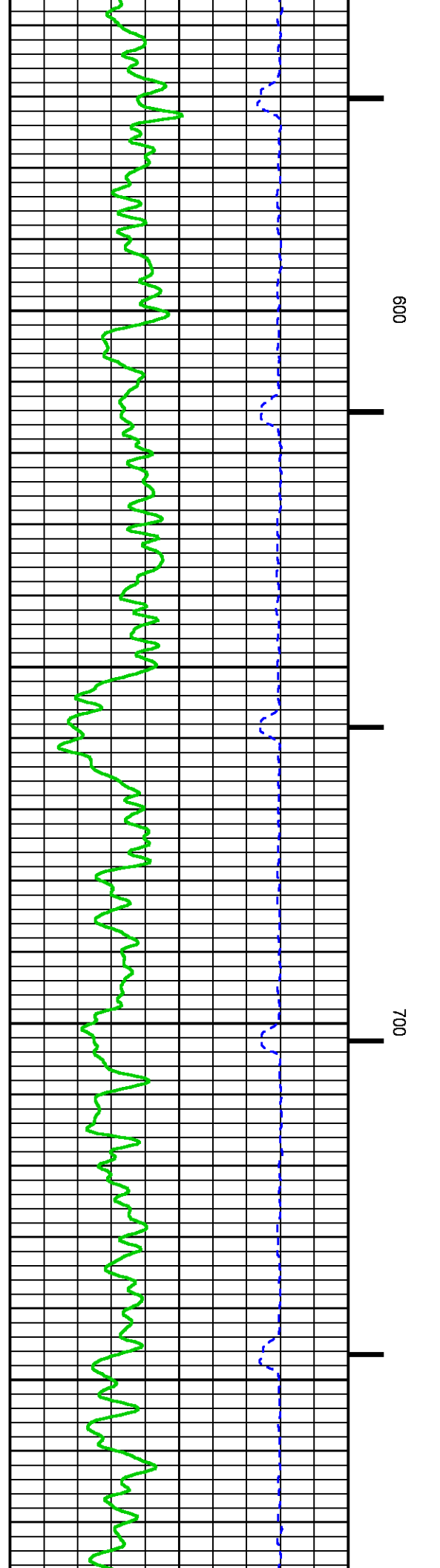
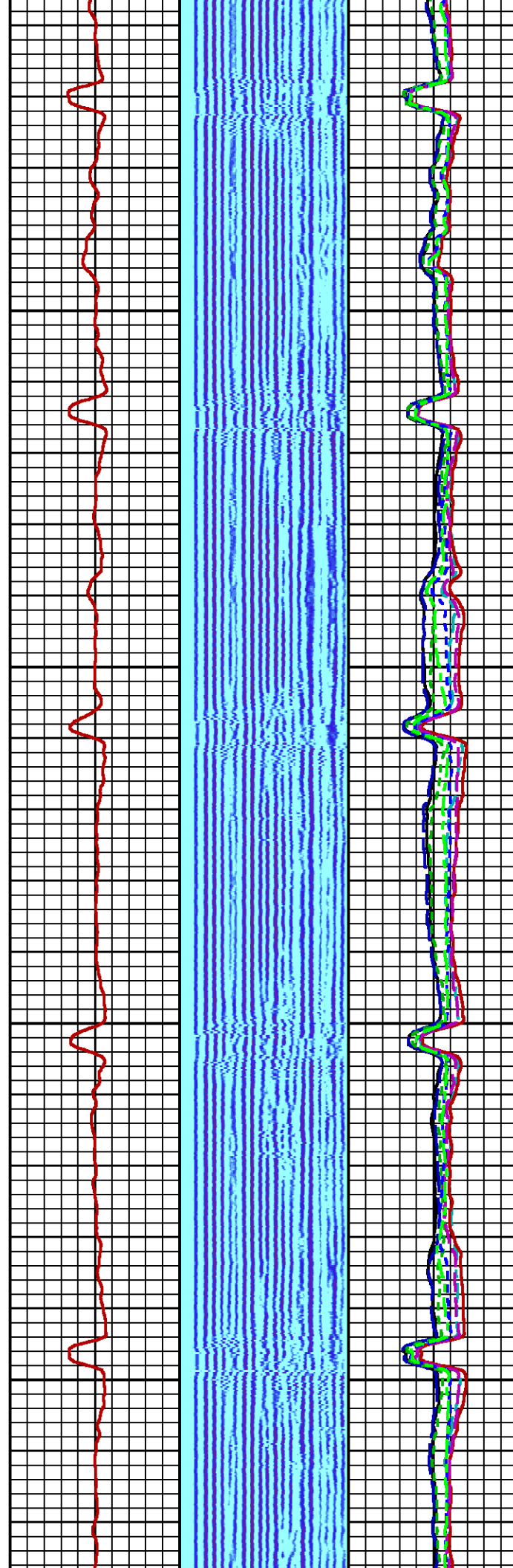
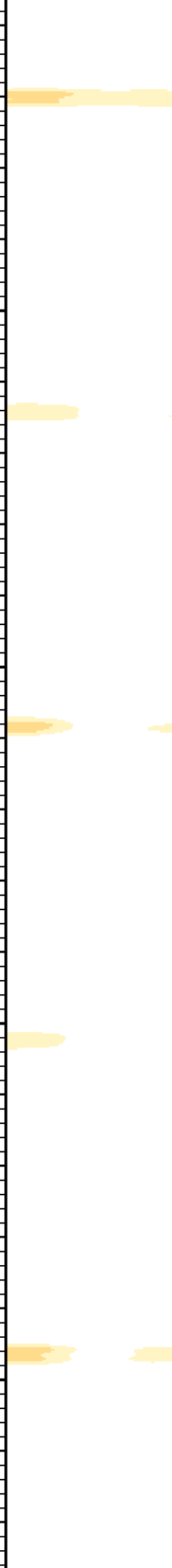
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Created On : May 18 08:23:11 2014
Company : WPX ENERGY INC

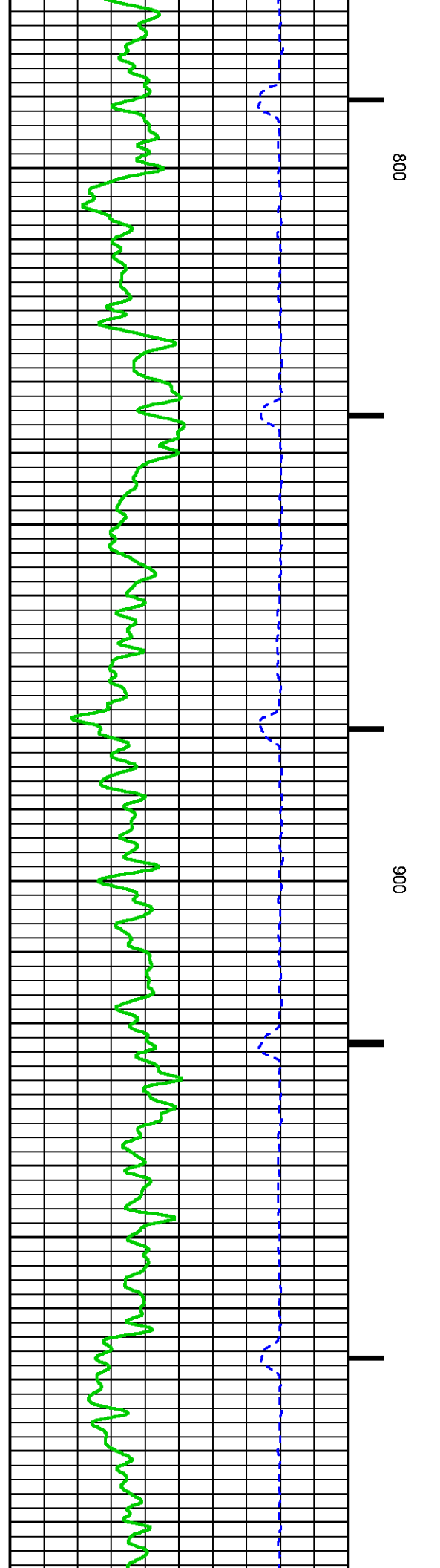
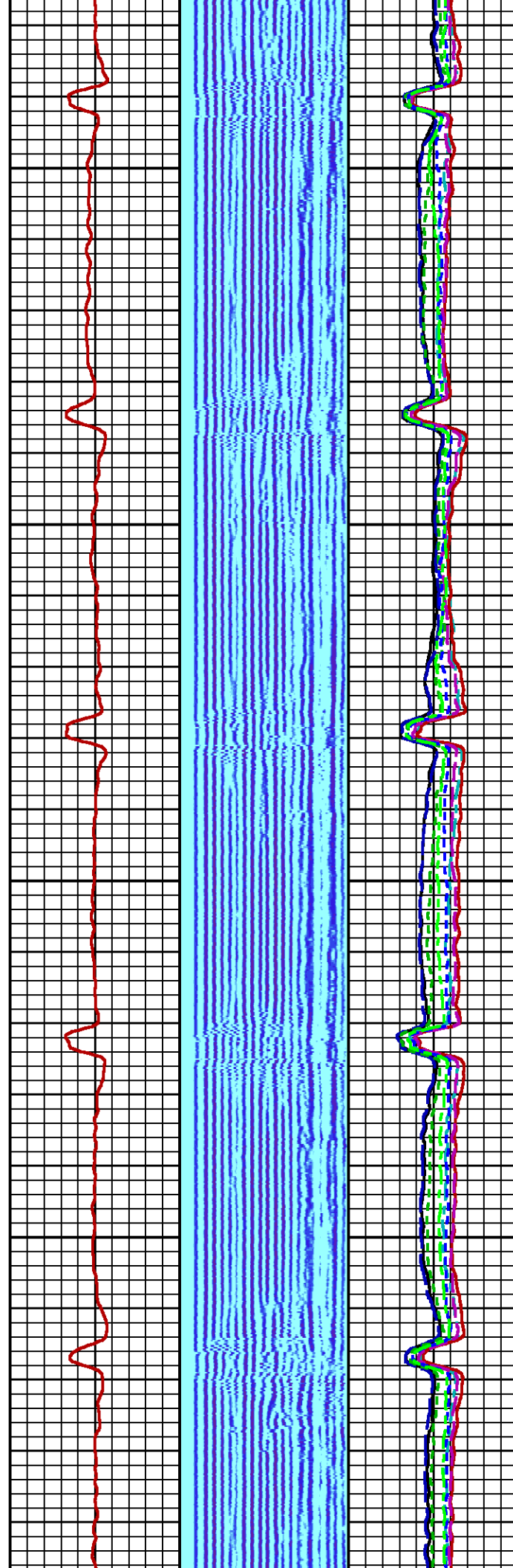
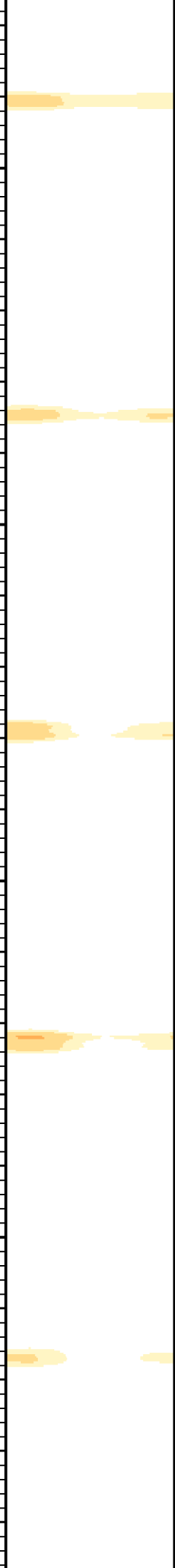
Well : WPX ENERGY PA 544-3
Field : PARACHUTE
File Interval : 8.25 - 8132 Feet
OCT : n012e

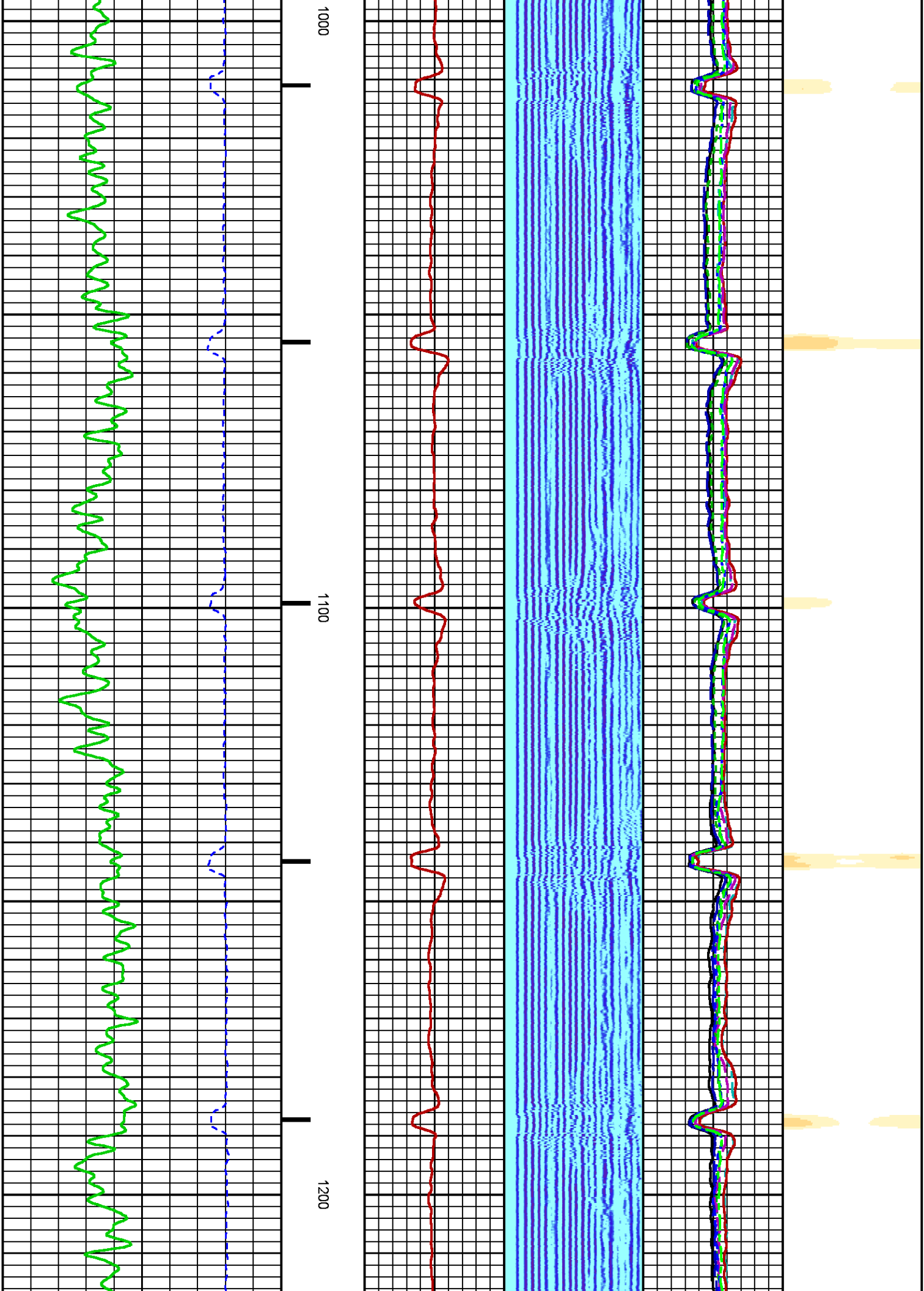


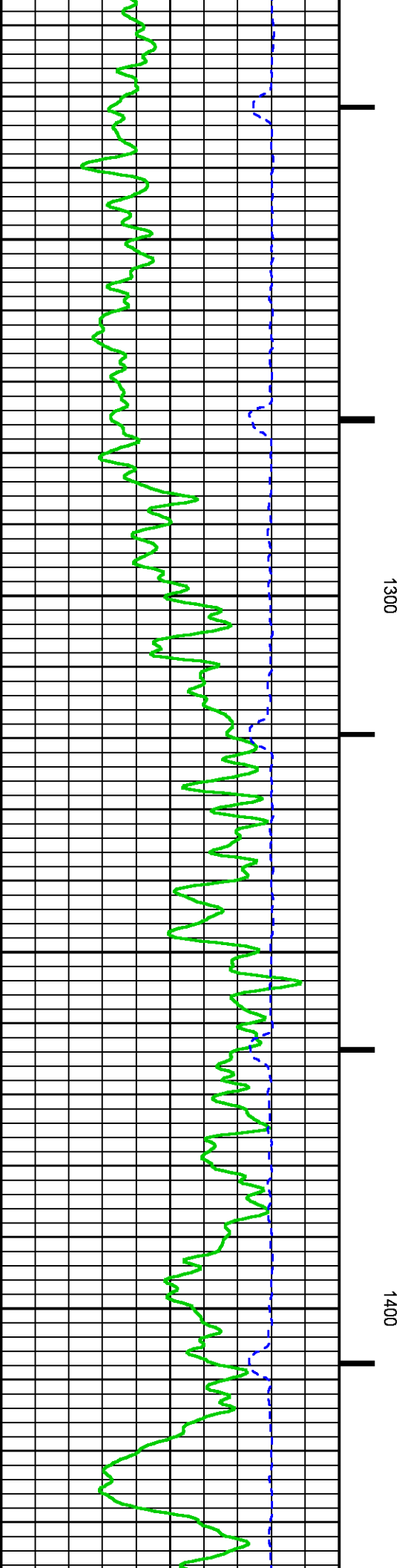
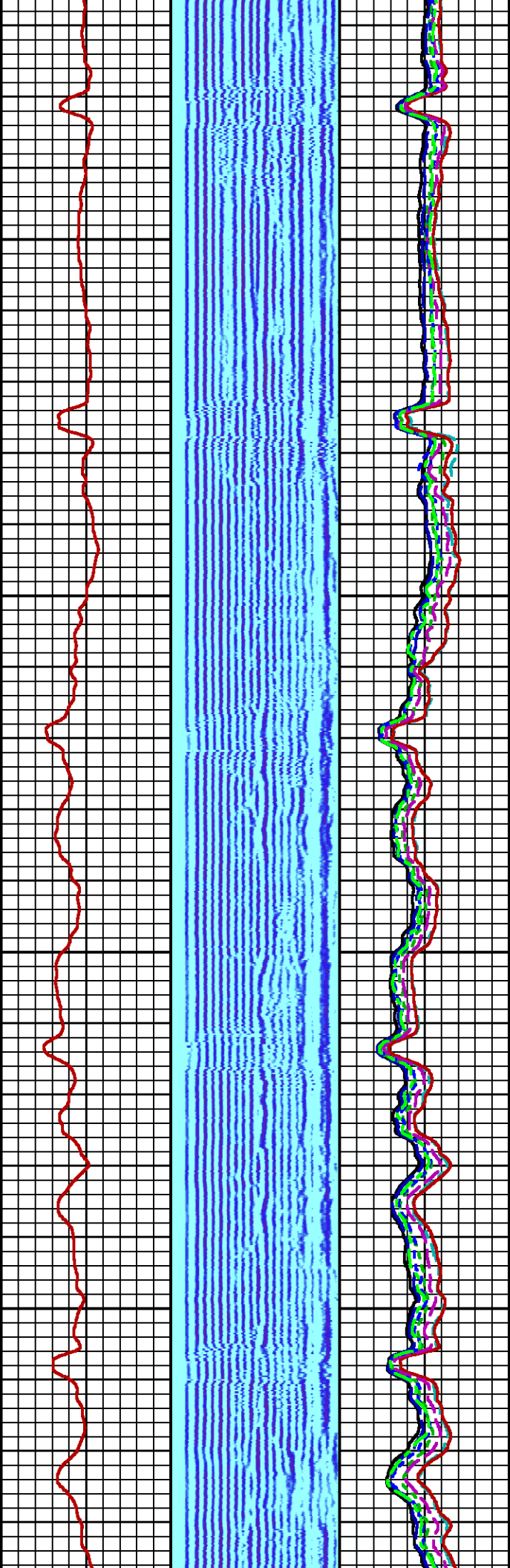
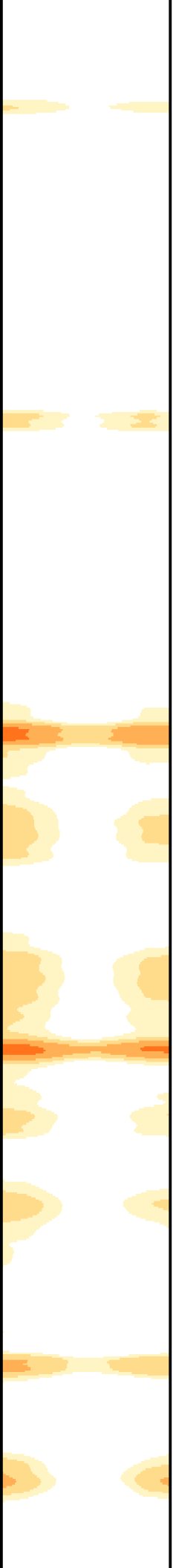


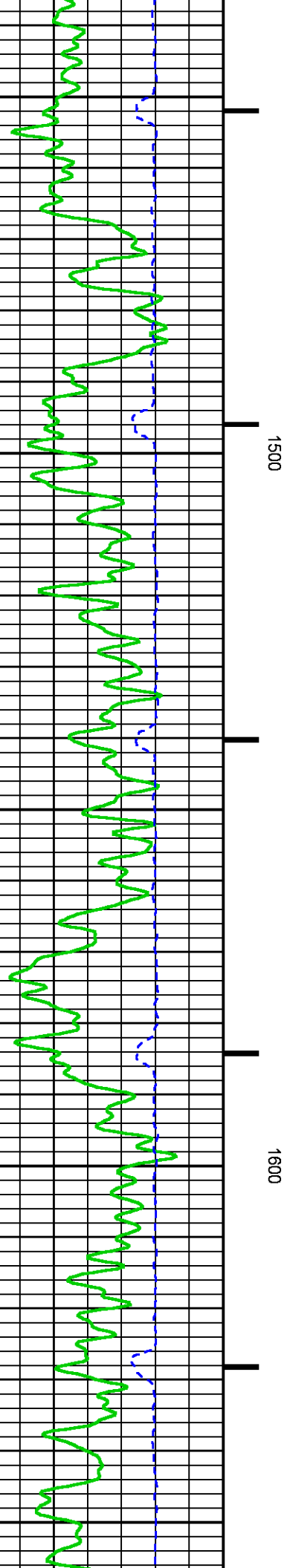
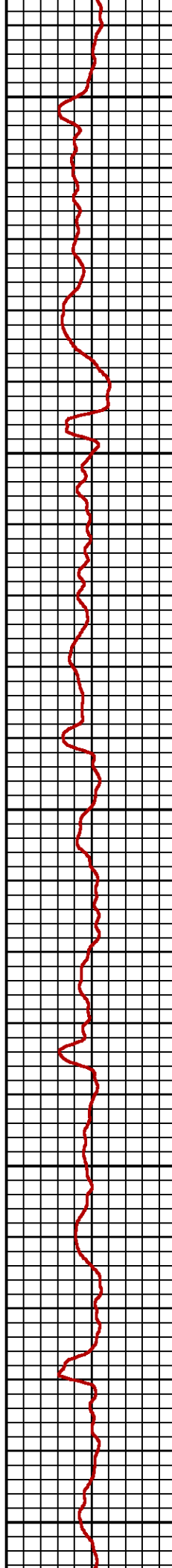
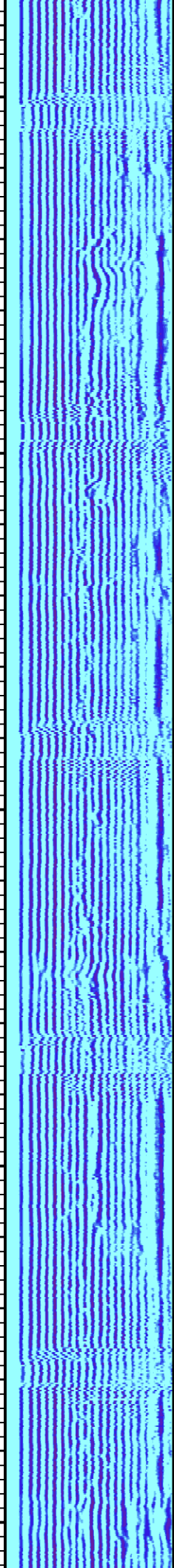
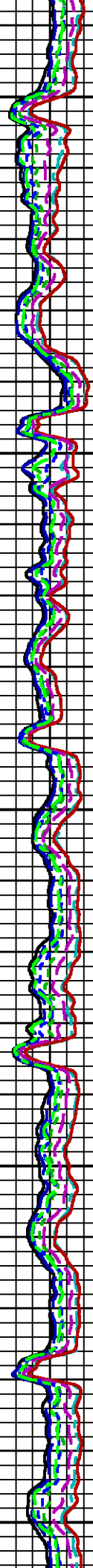
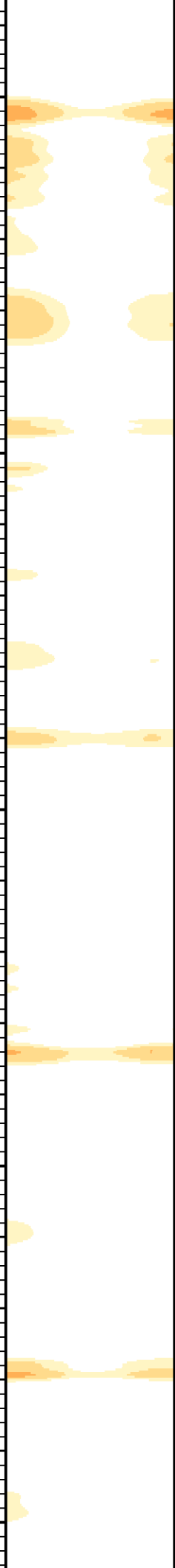


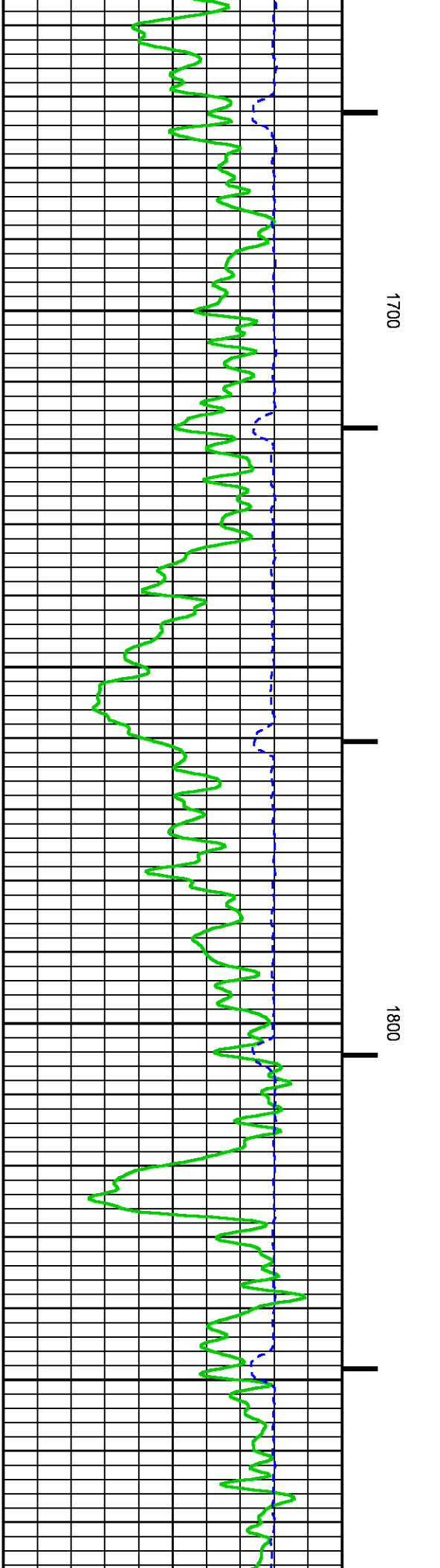
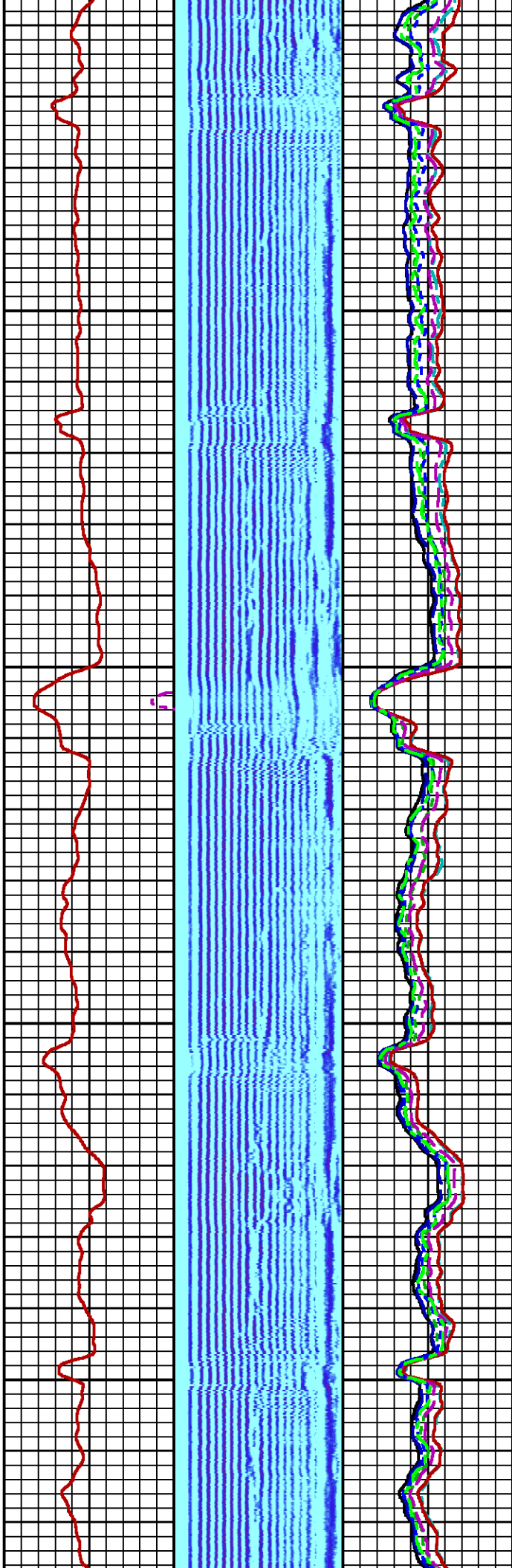
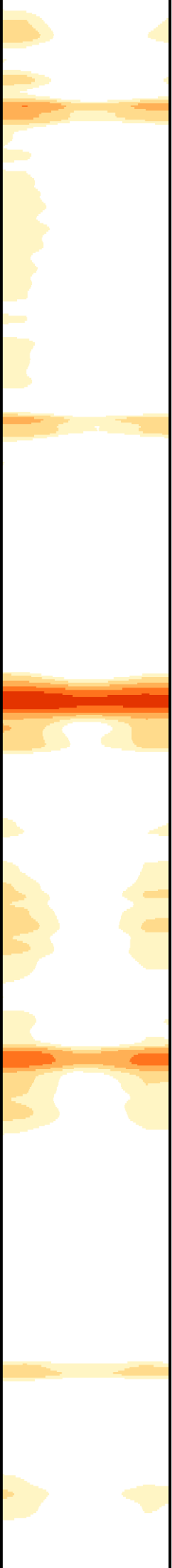


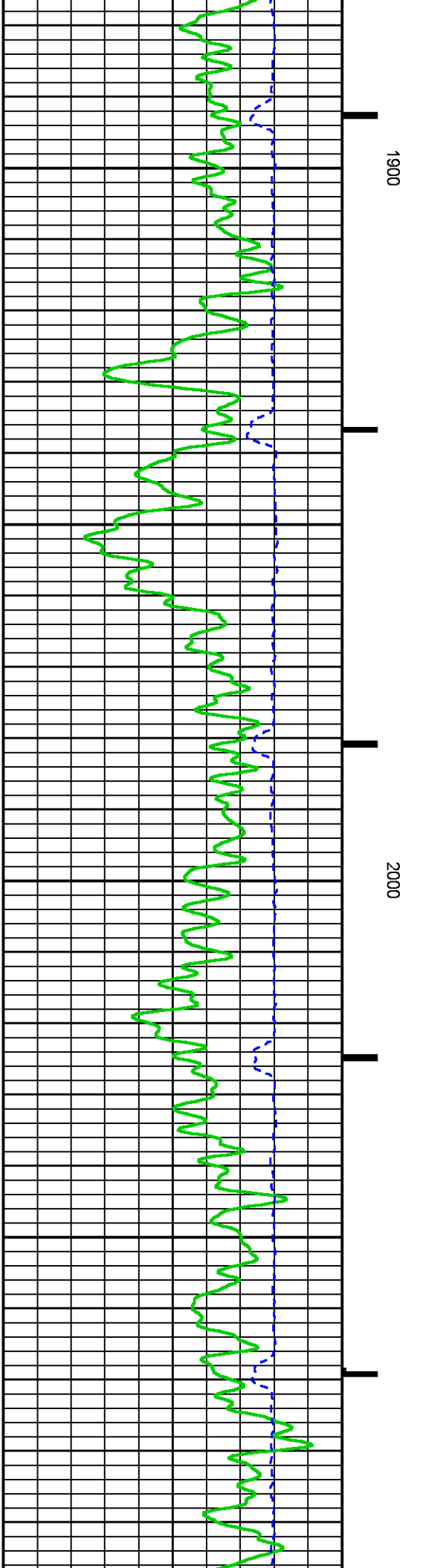
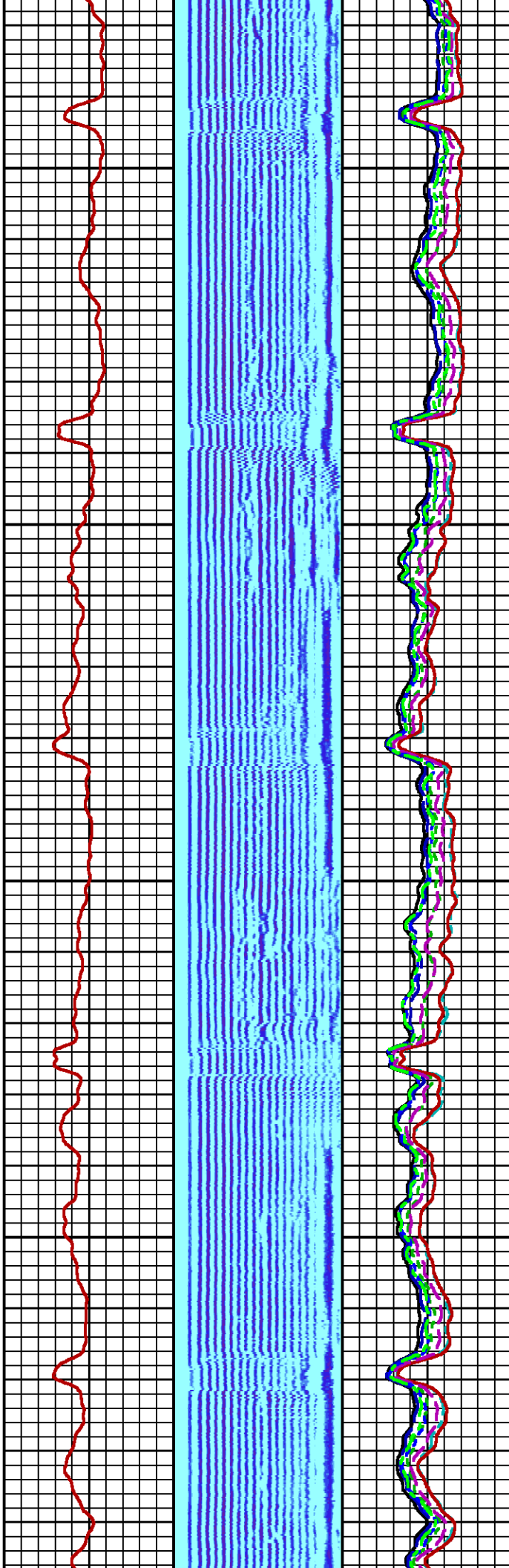
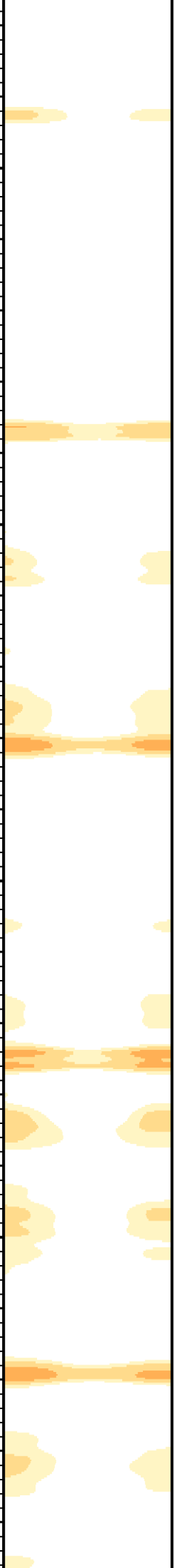


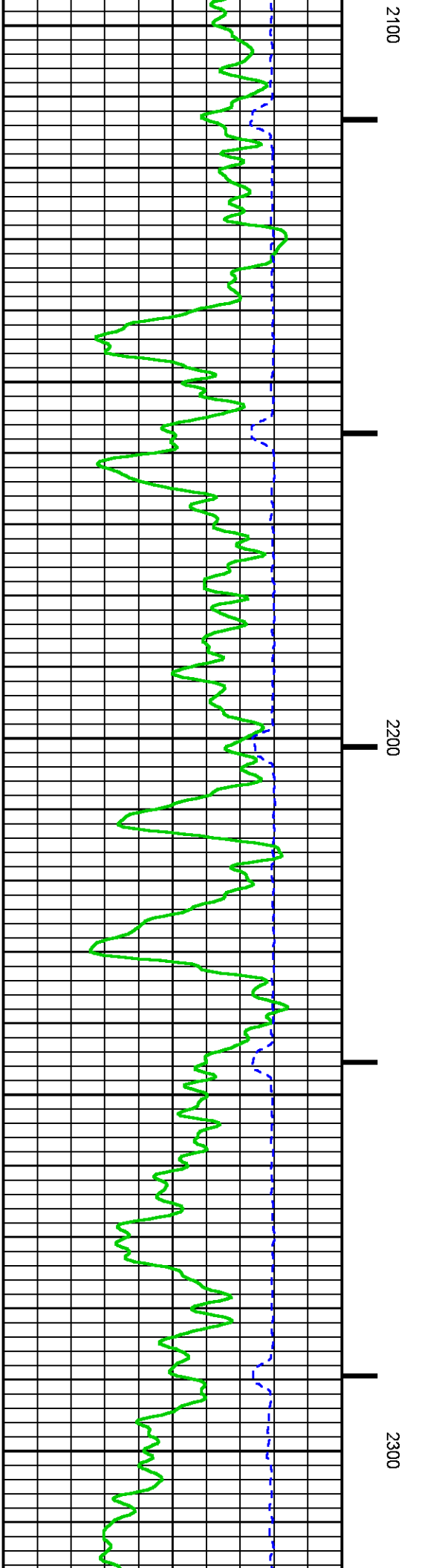
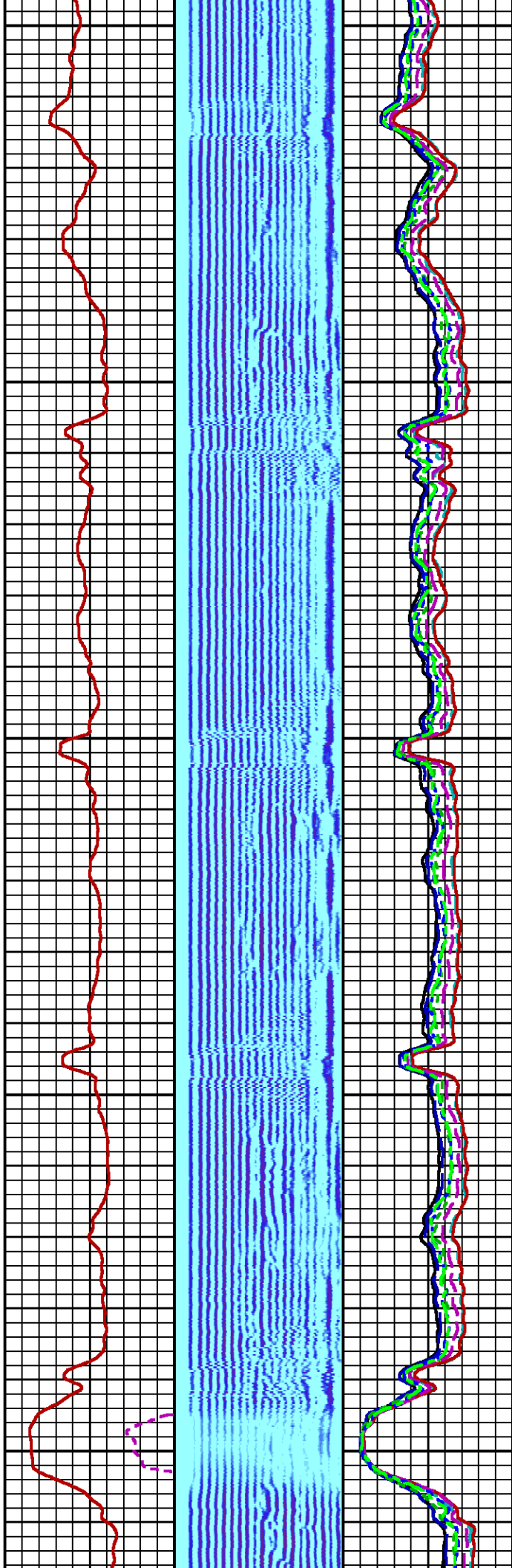
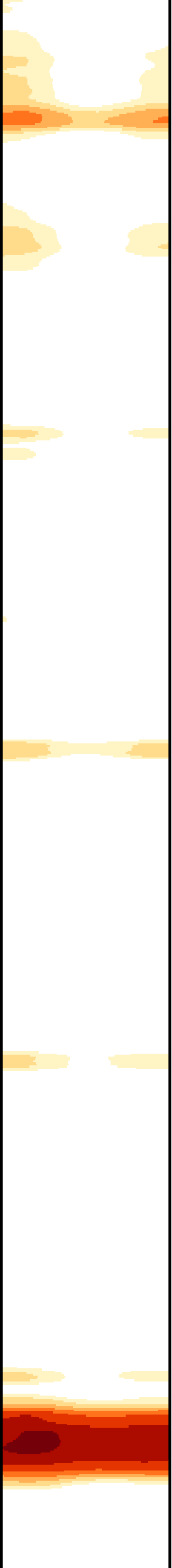


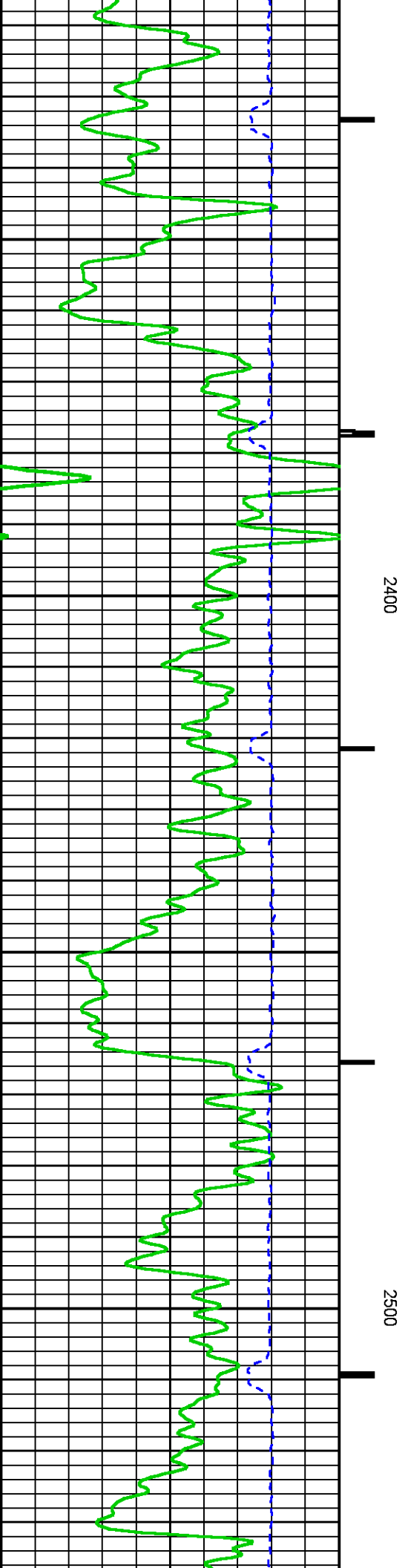
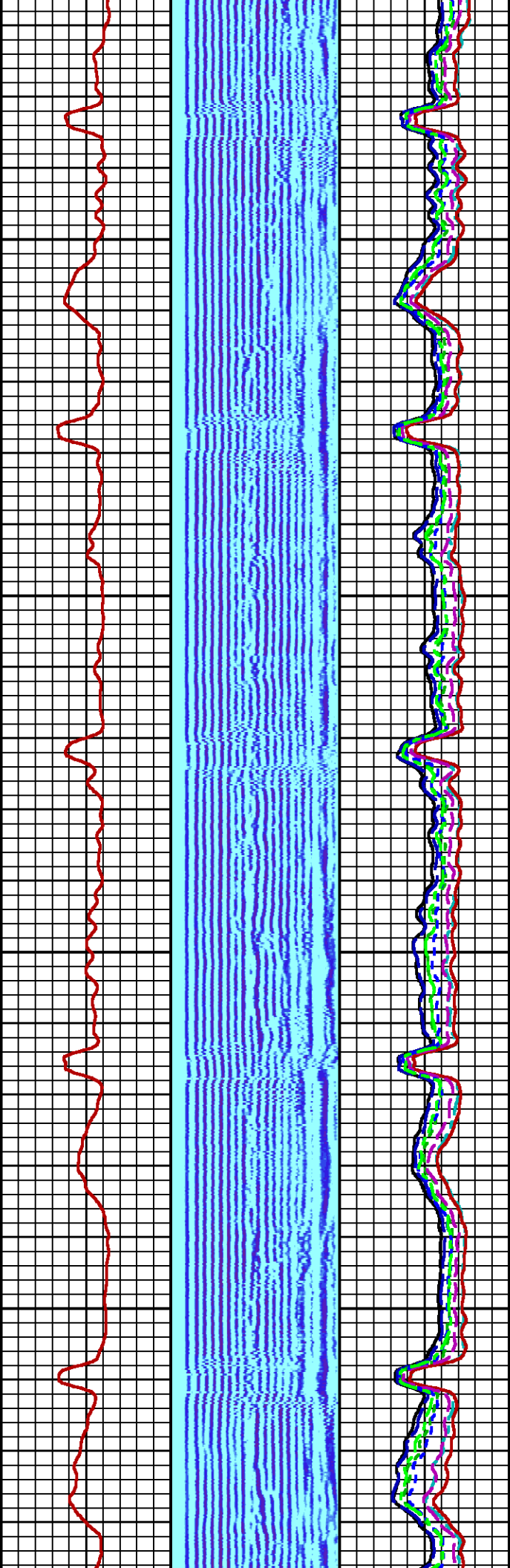
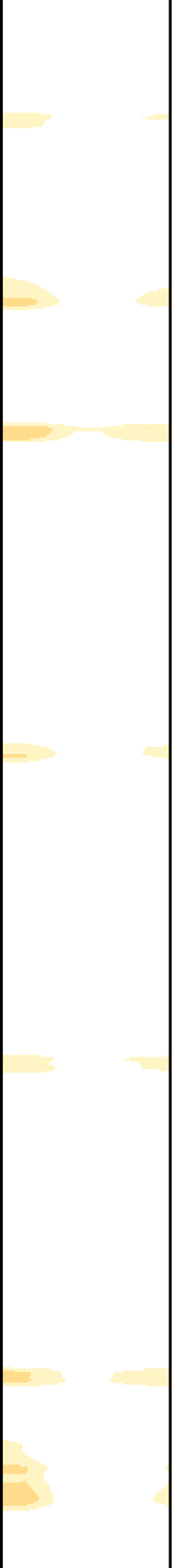


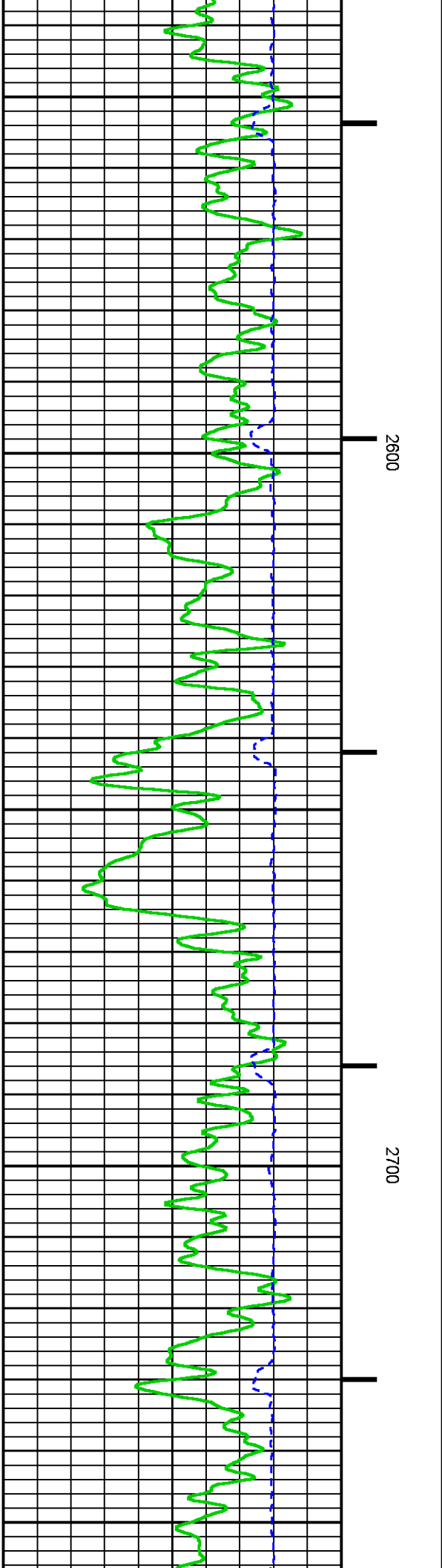
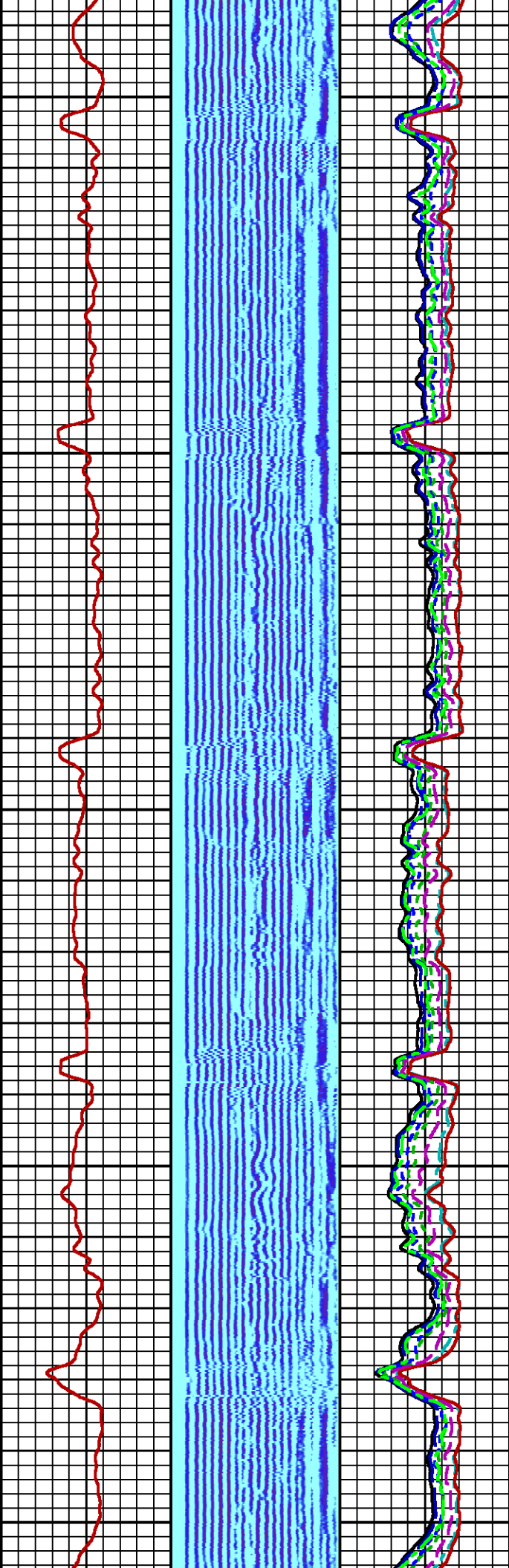
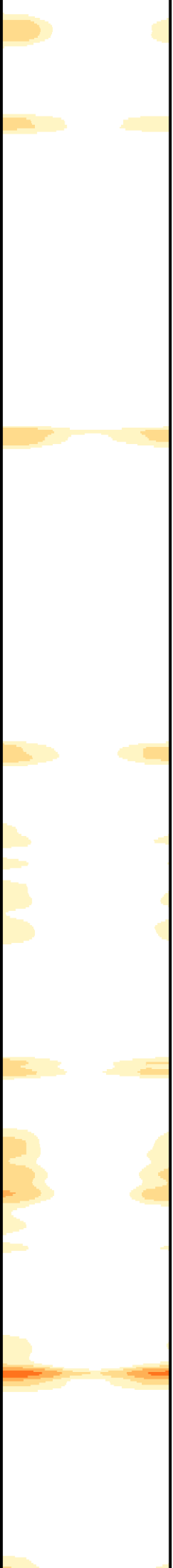


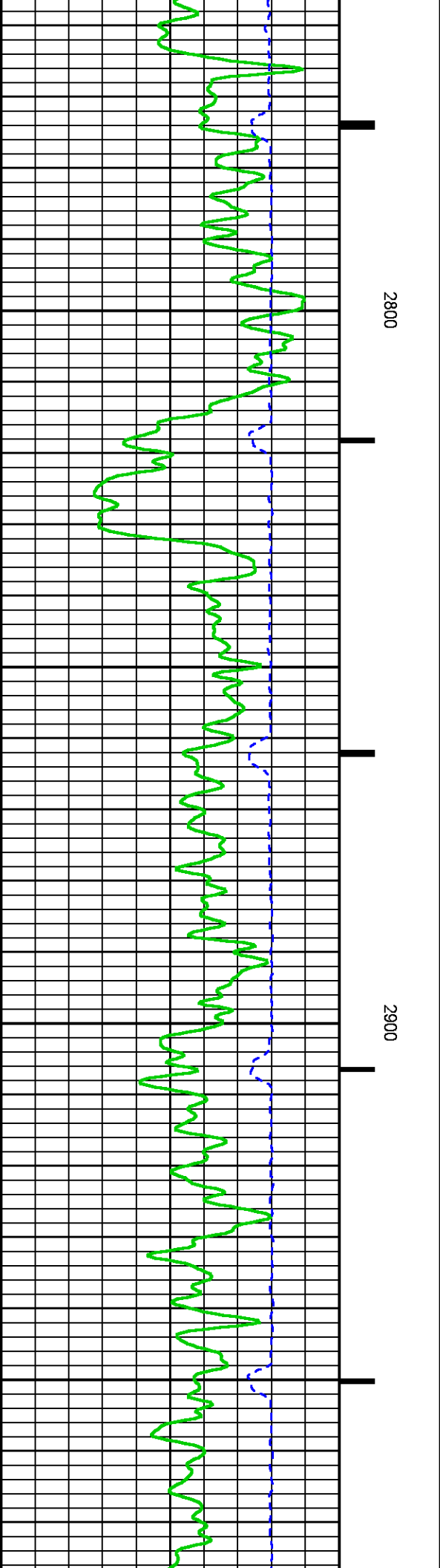
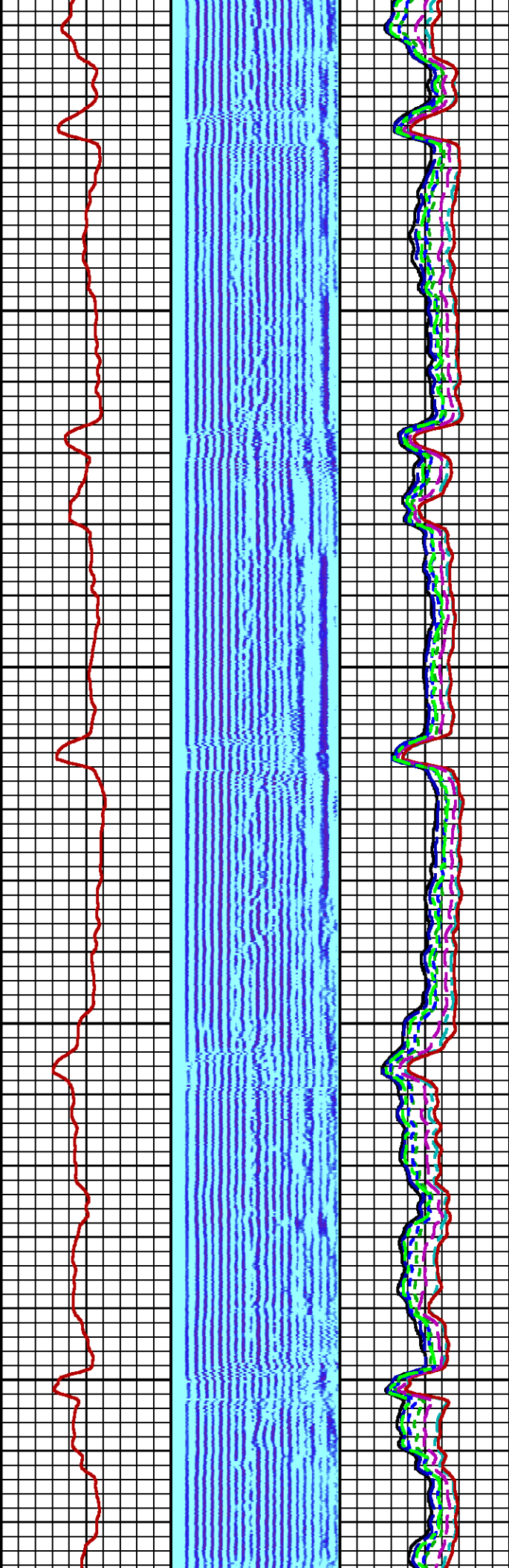
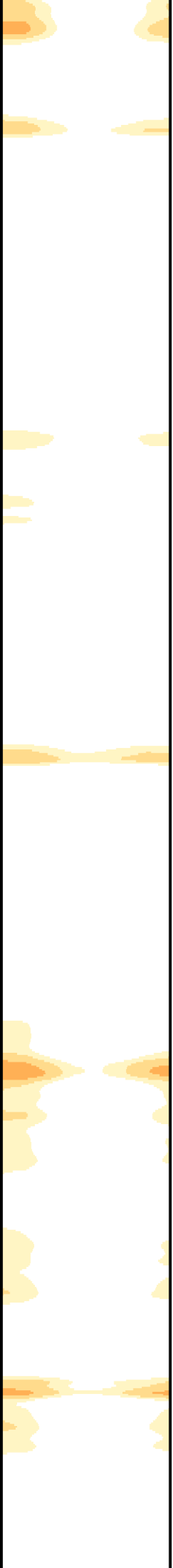


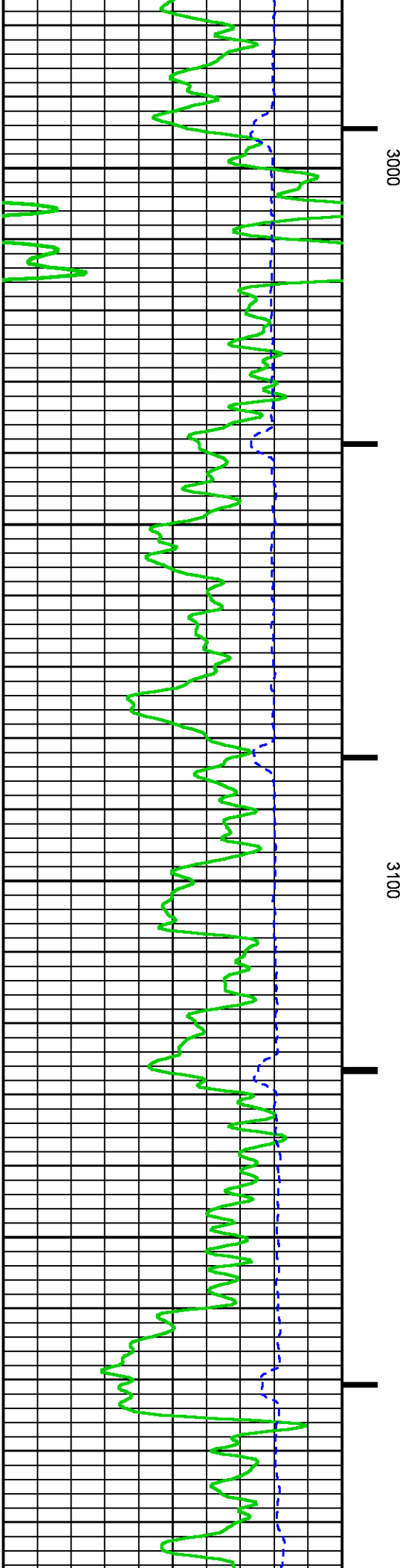
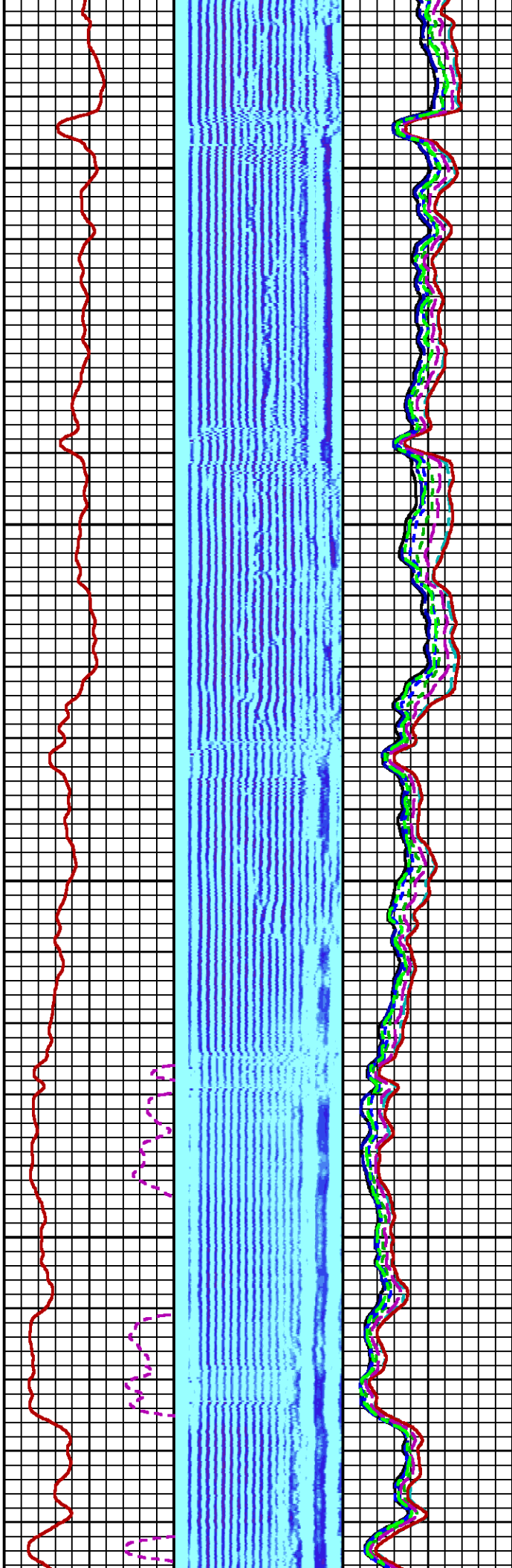
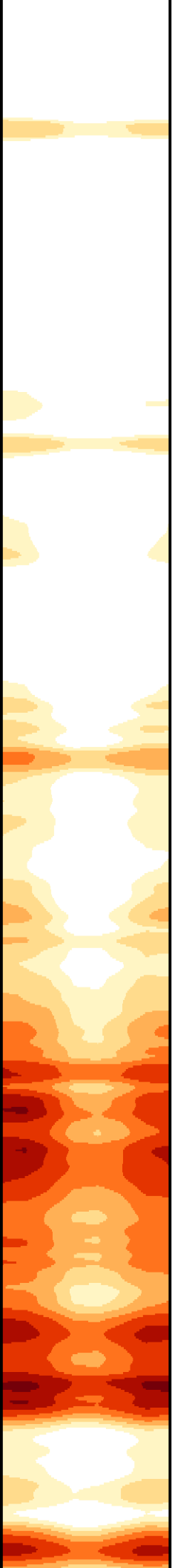


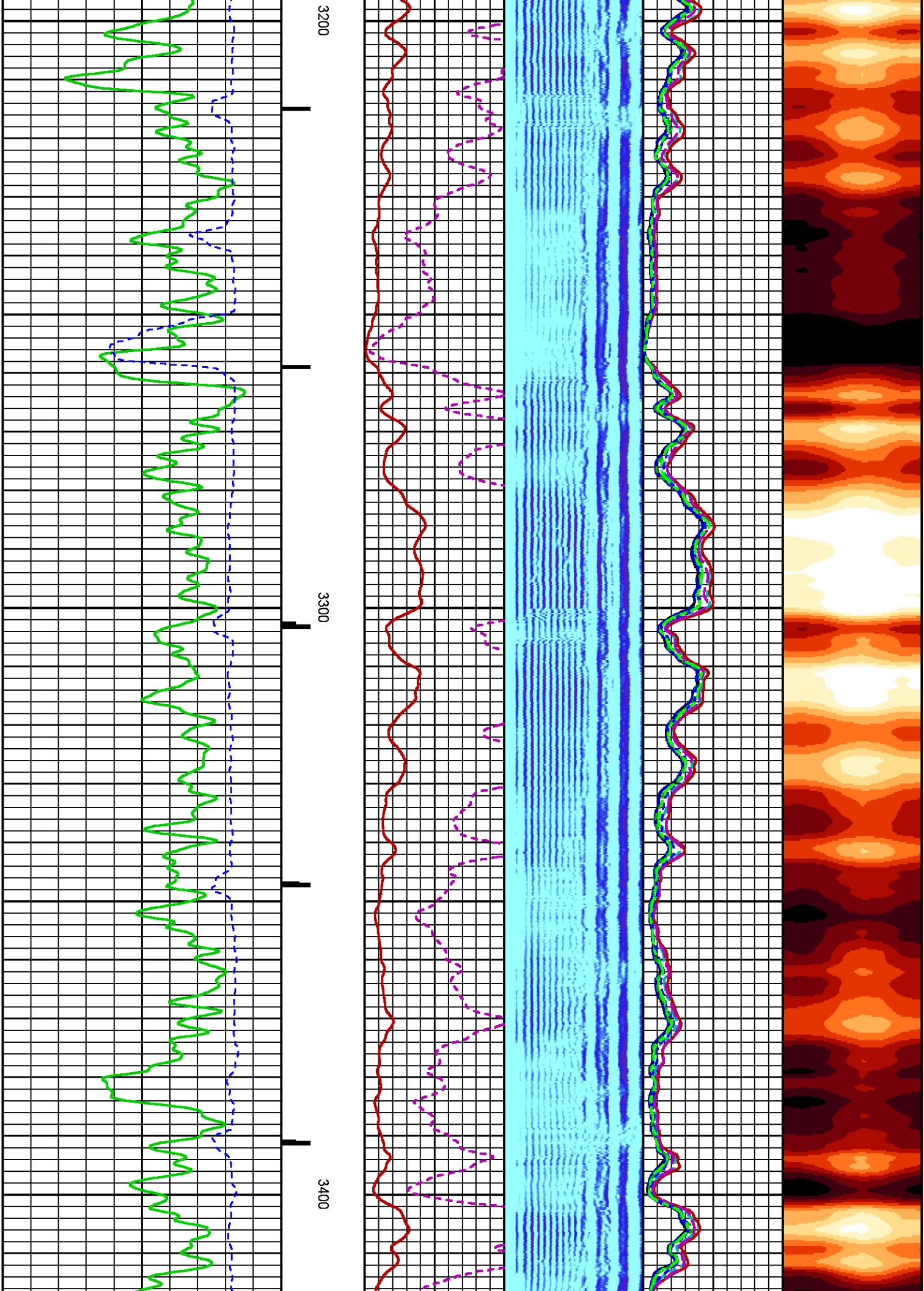


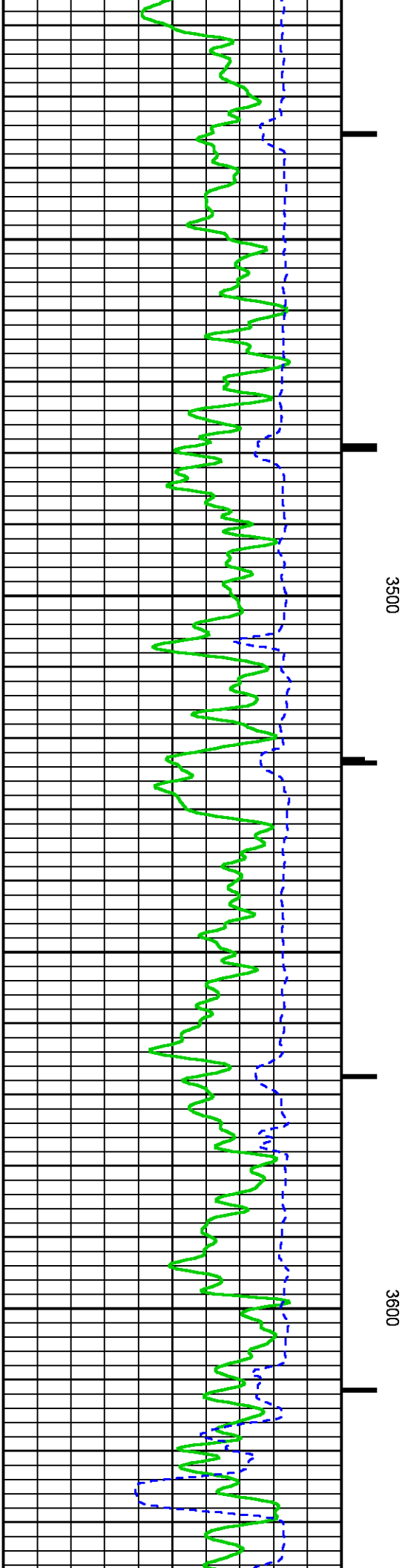
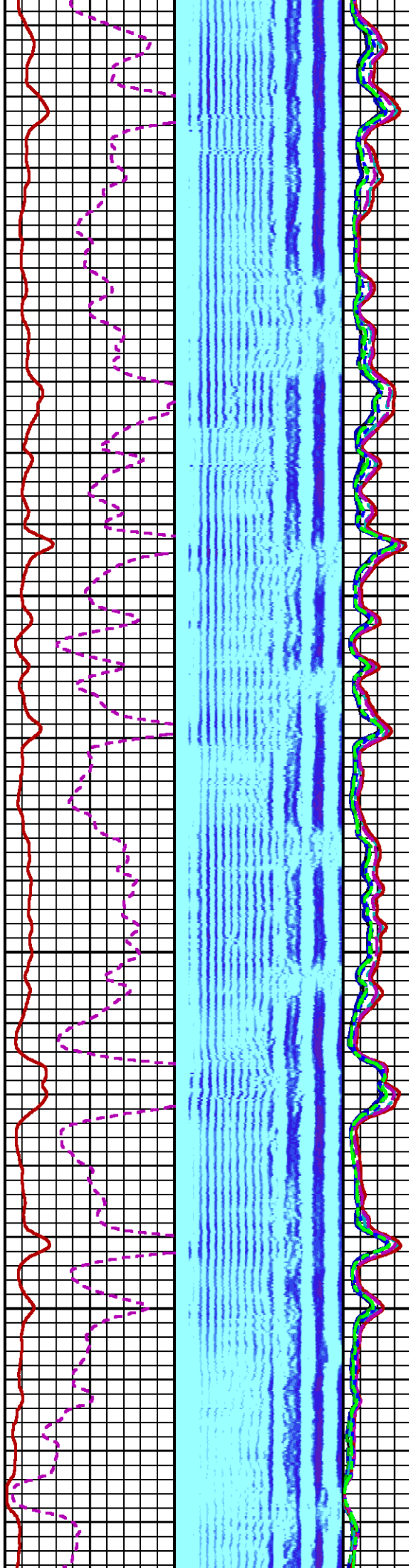
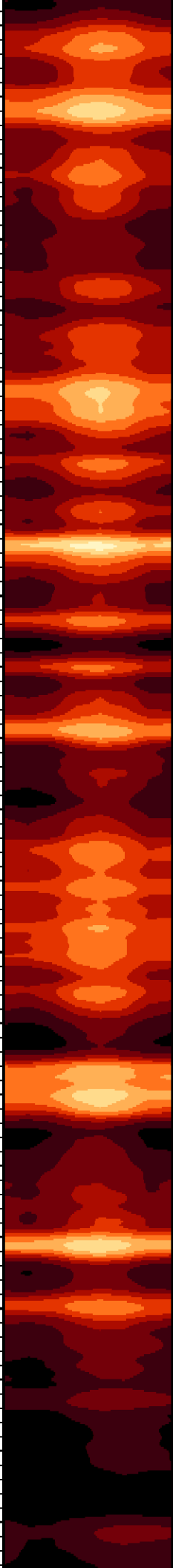


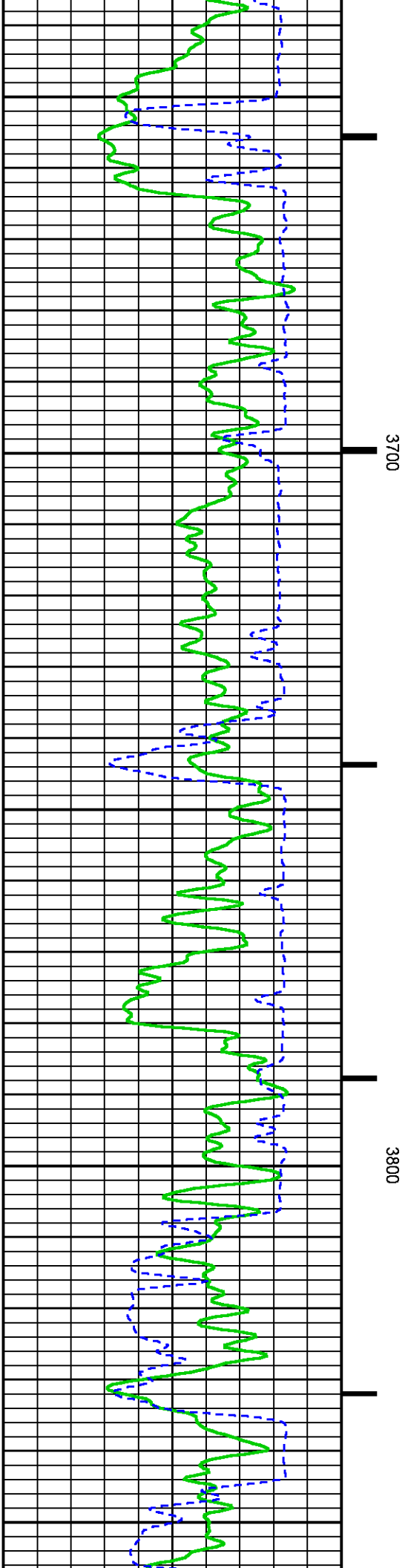
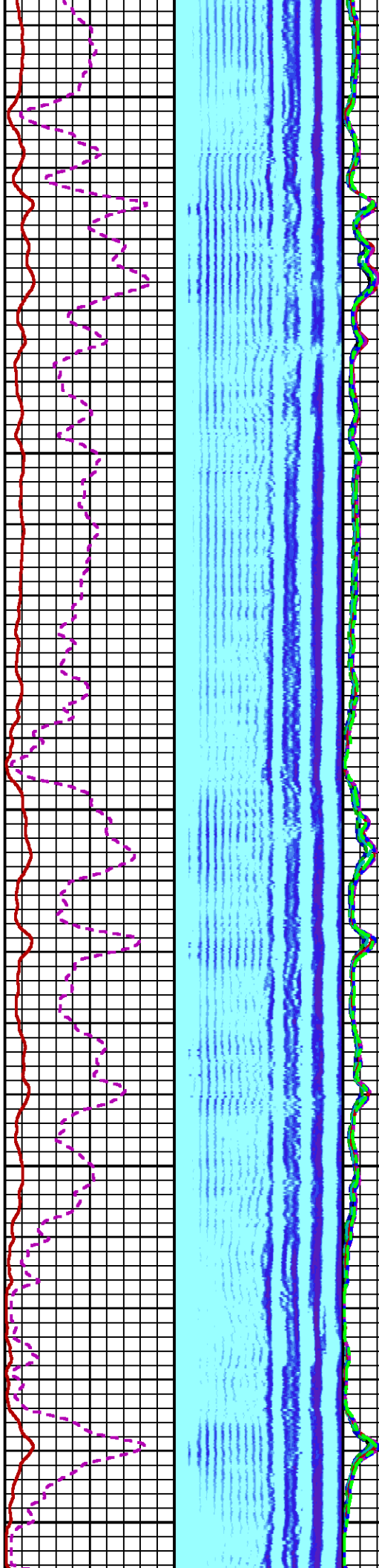
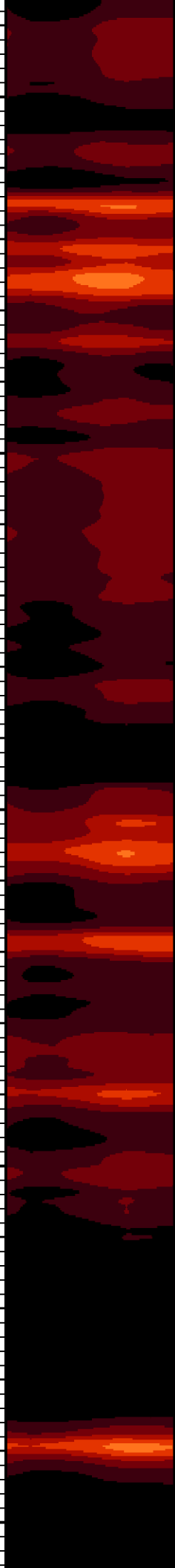


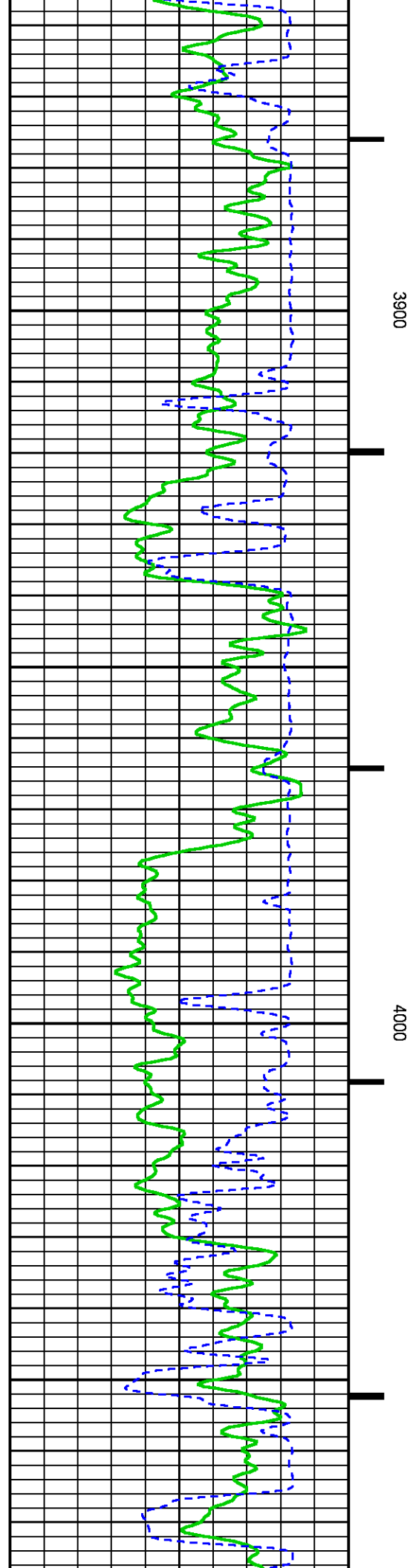
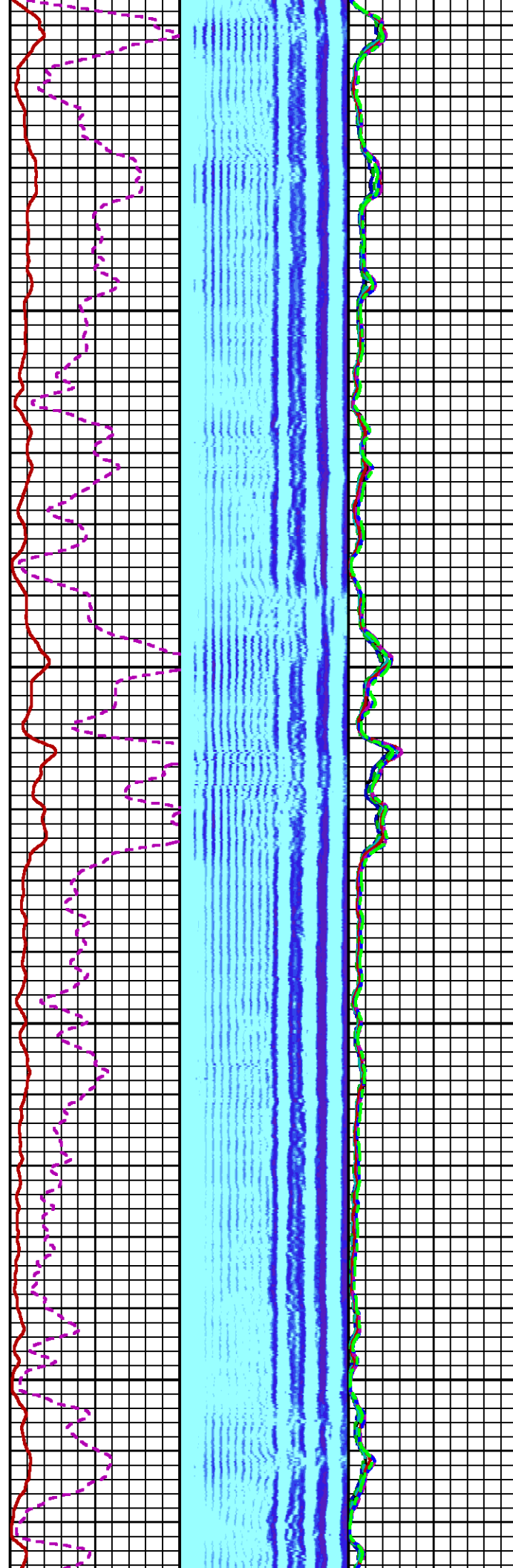
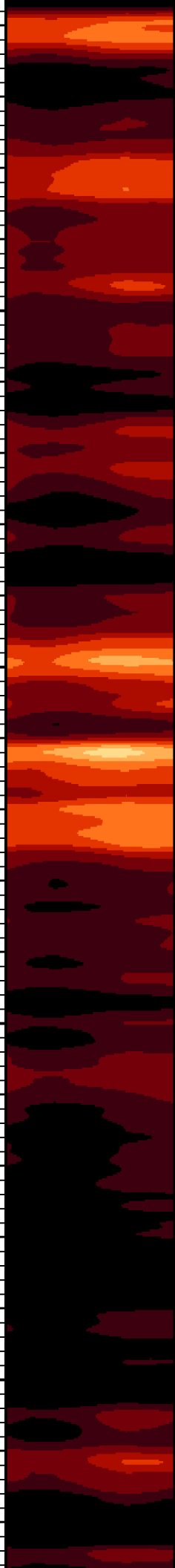


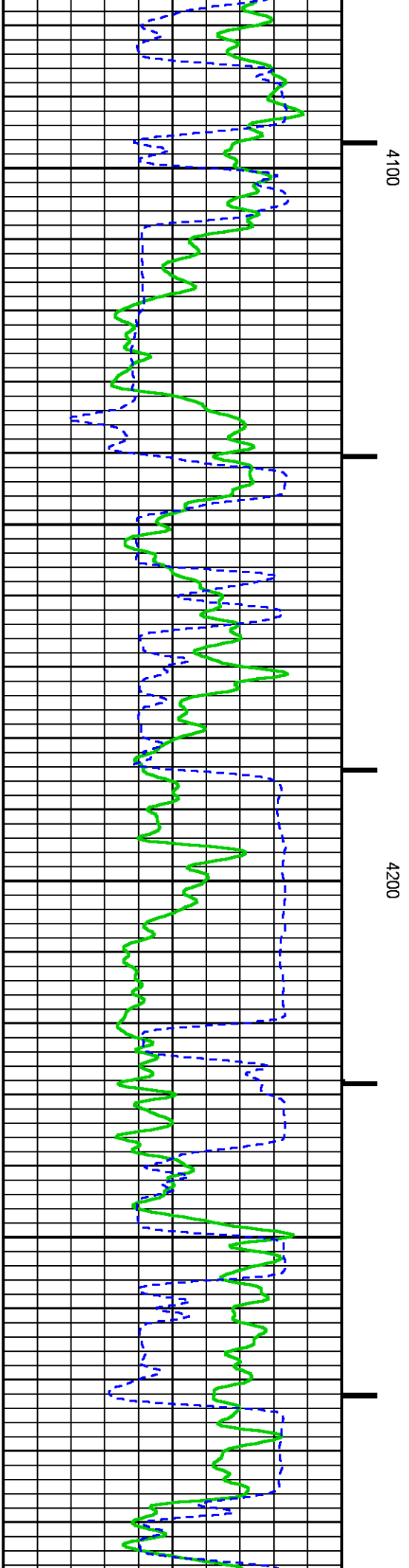
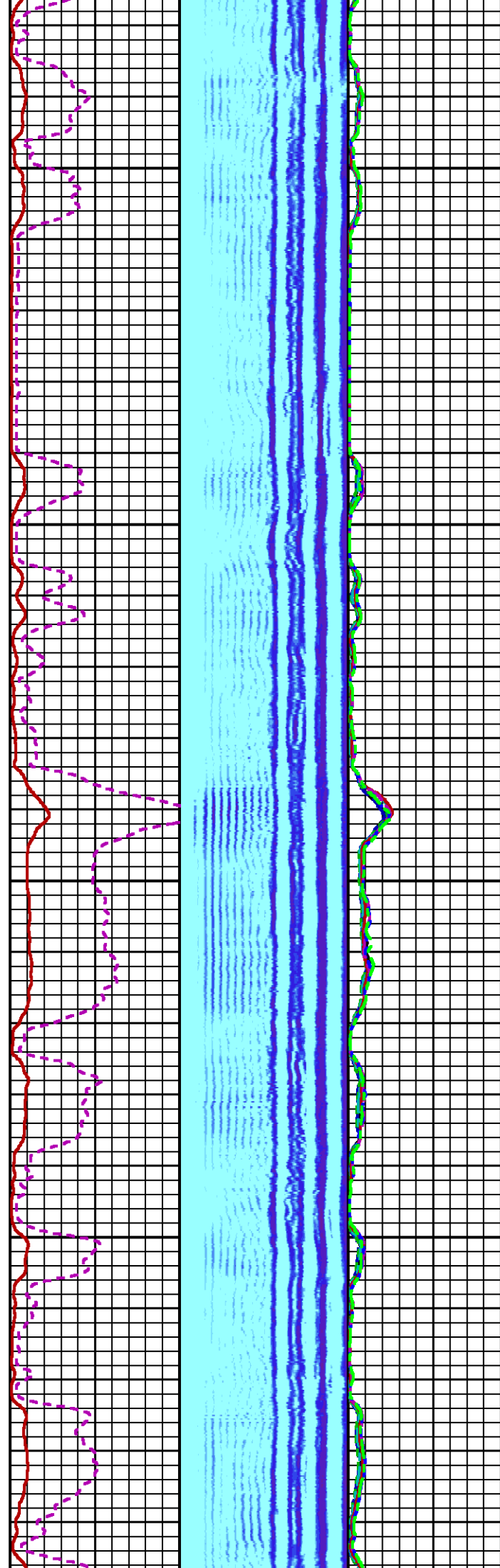
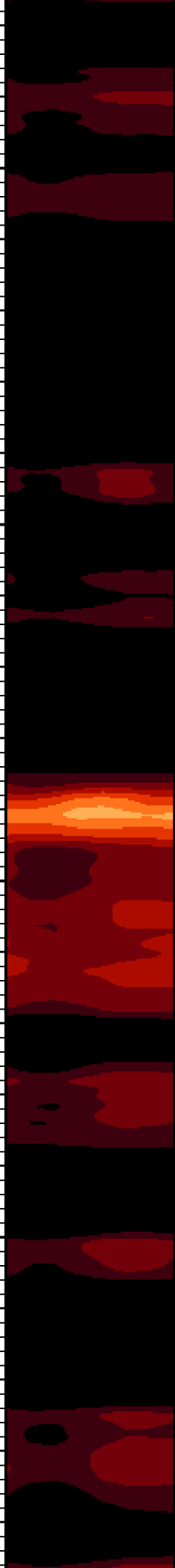


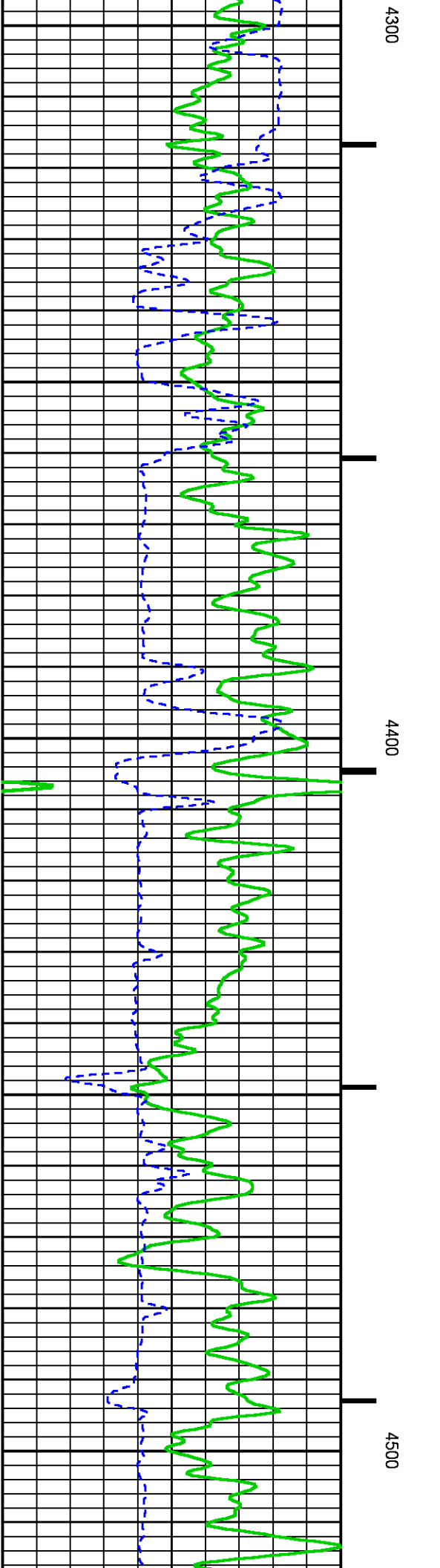
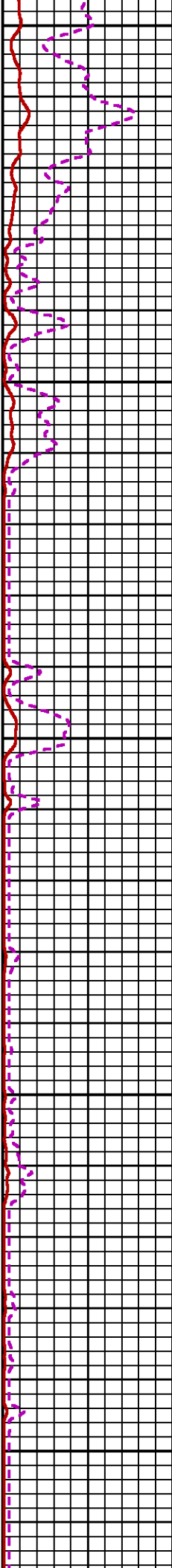
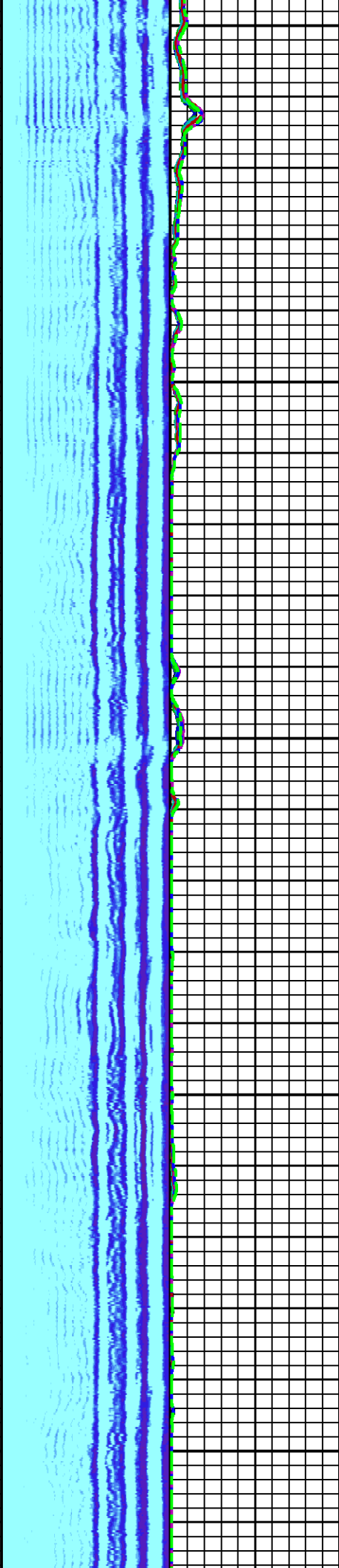


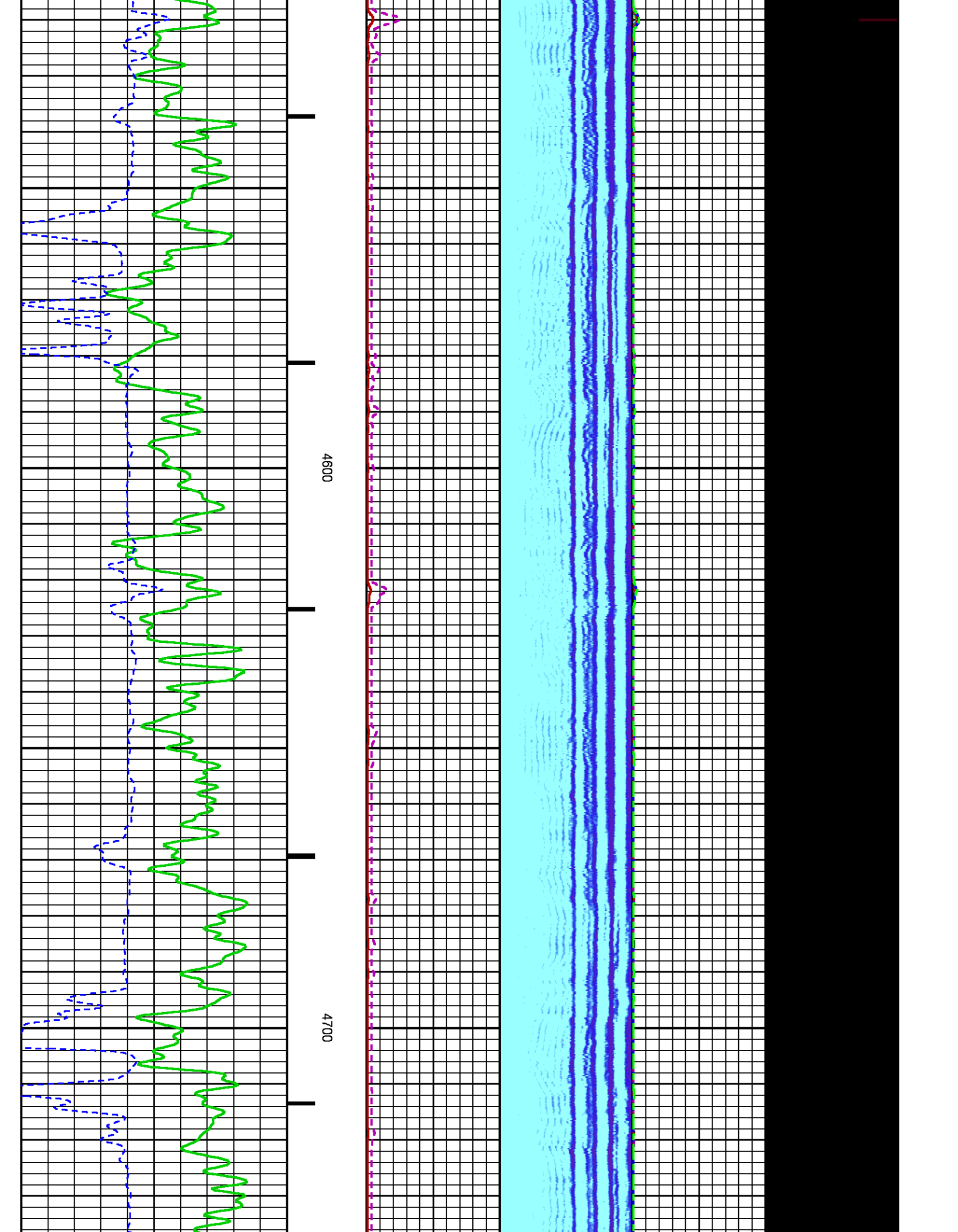


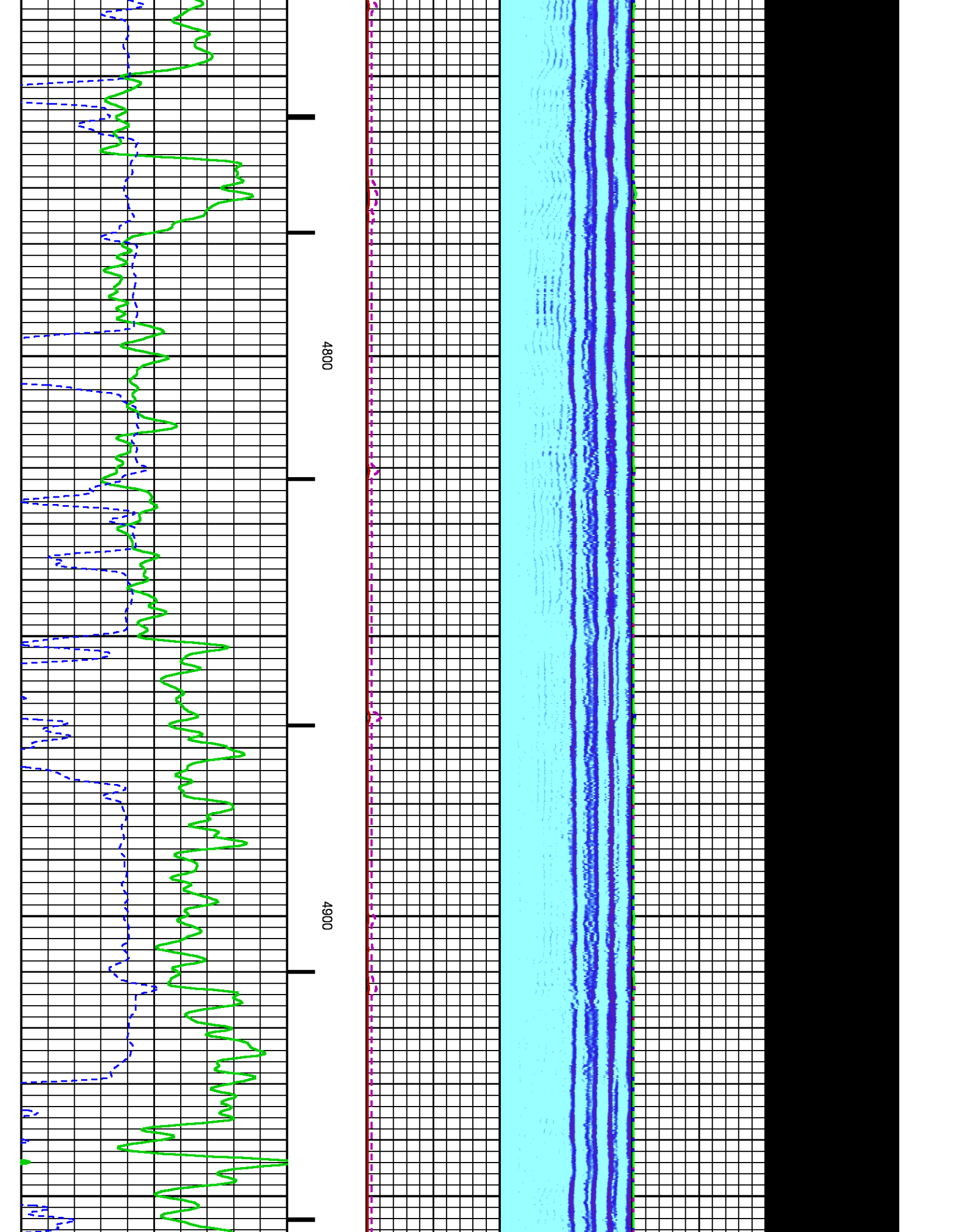


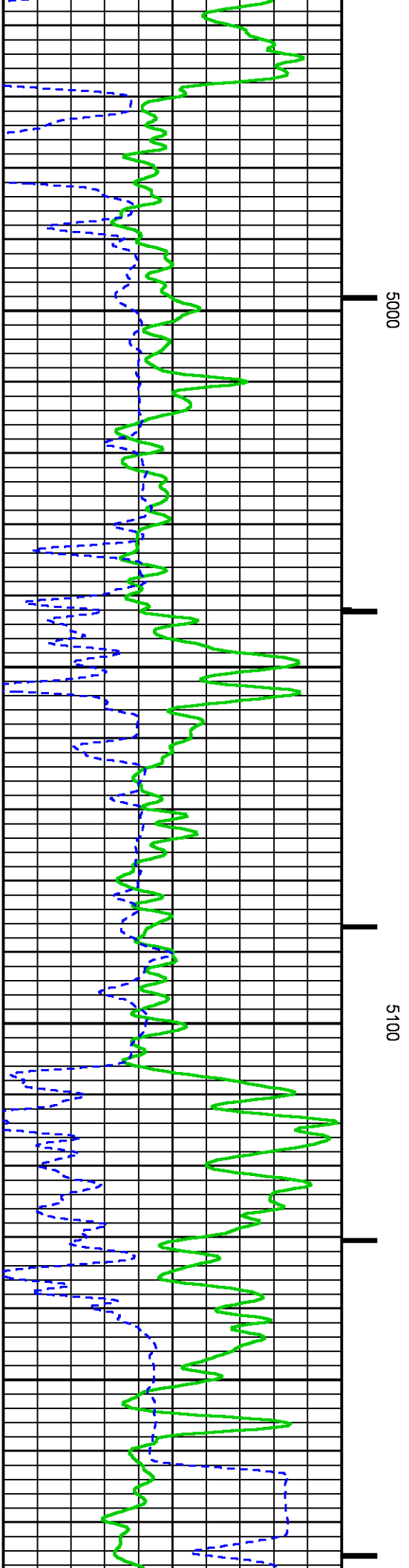
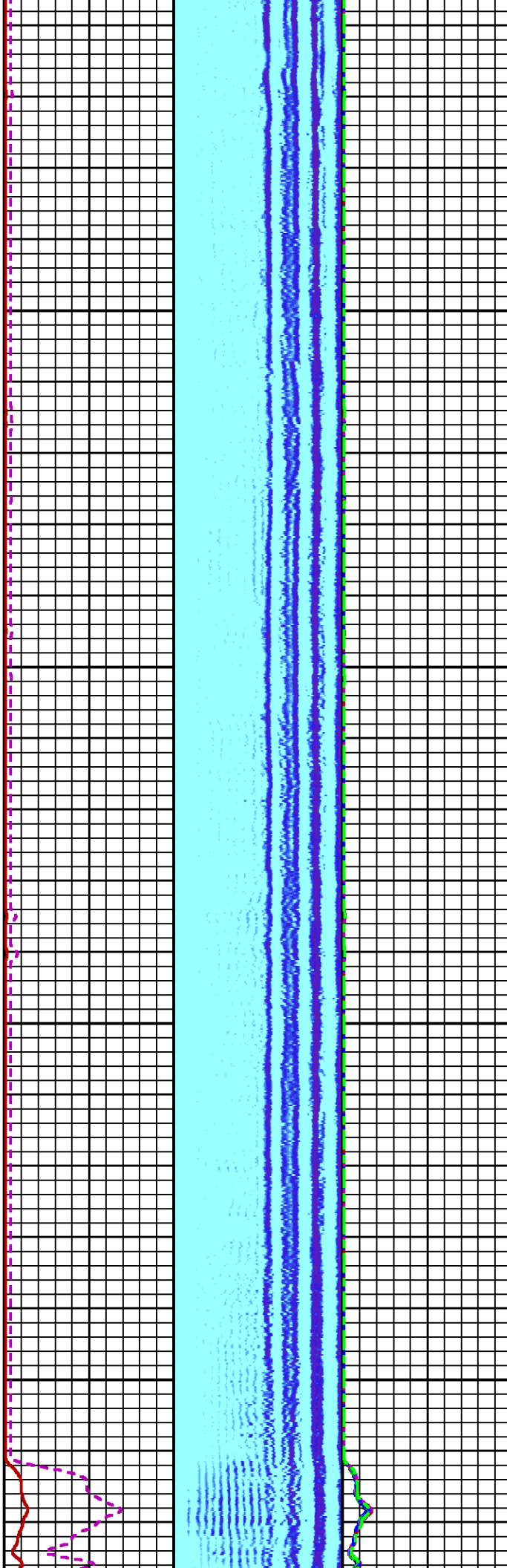
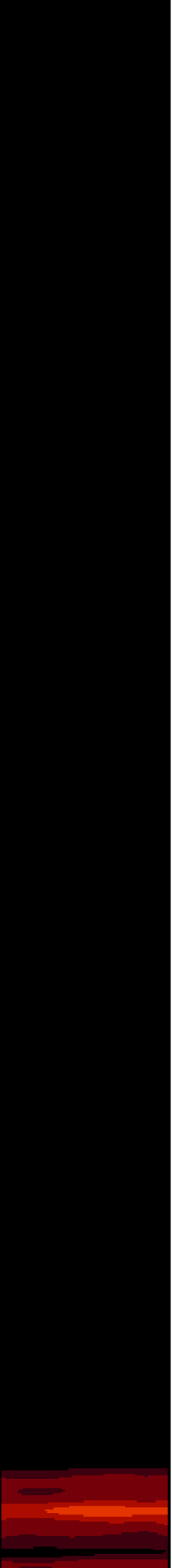


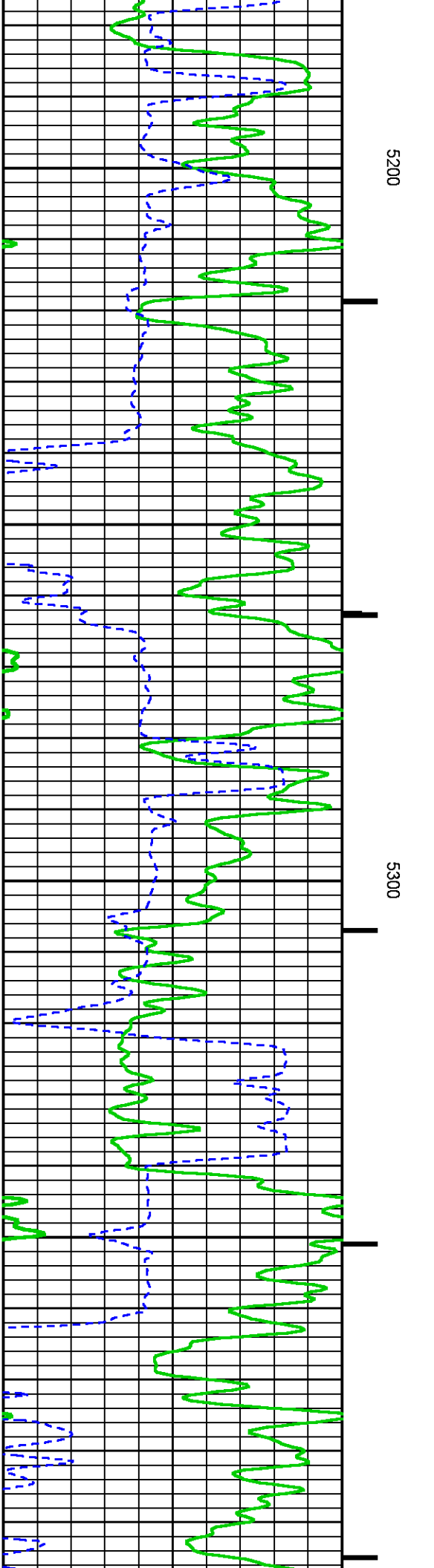
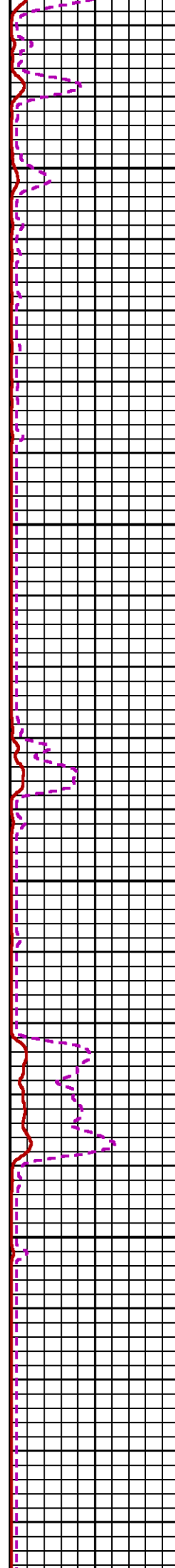
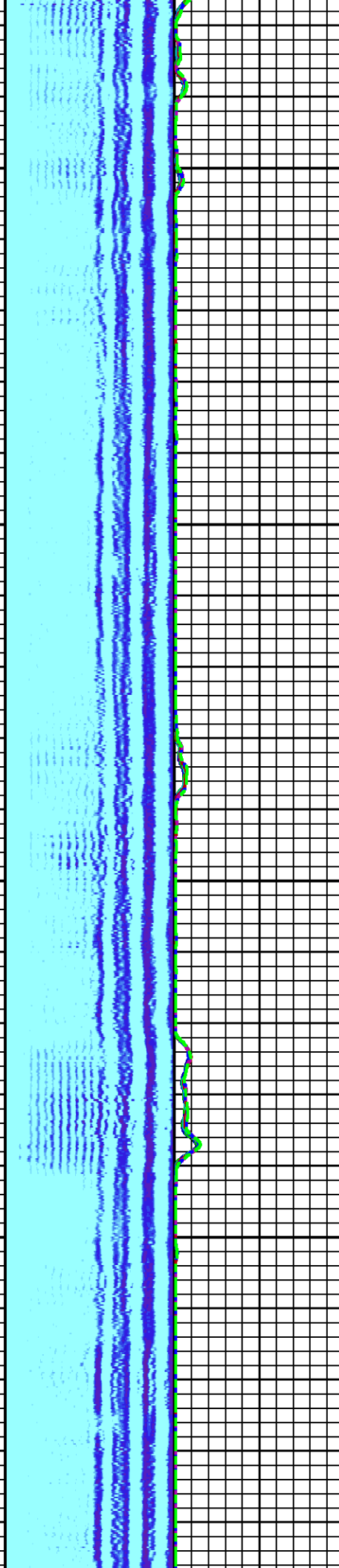
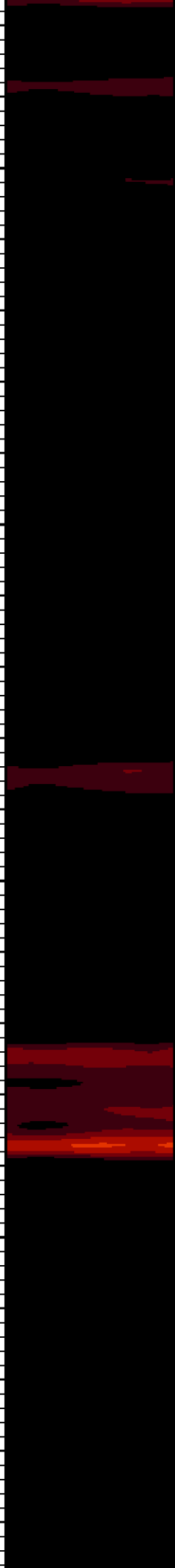


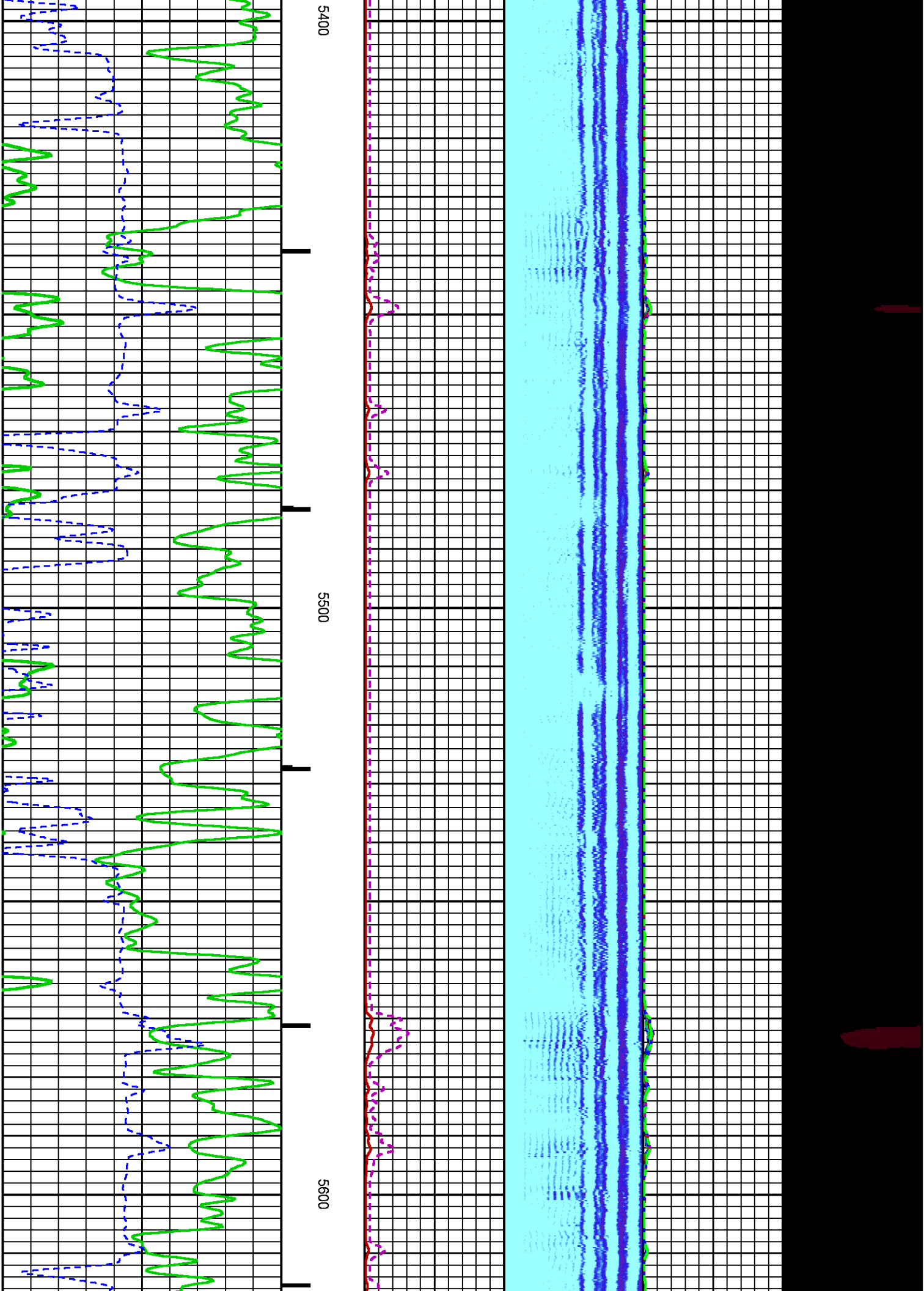


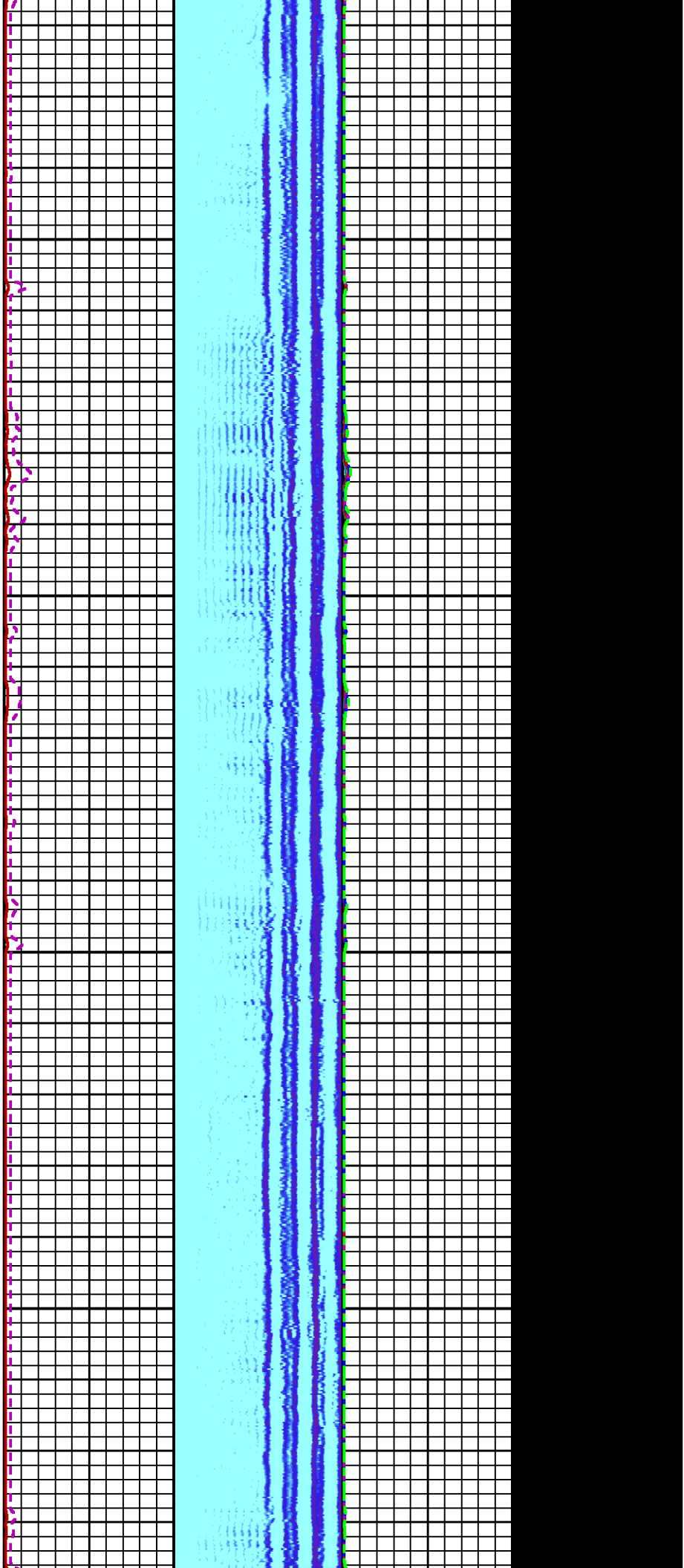






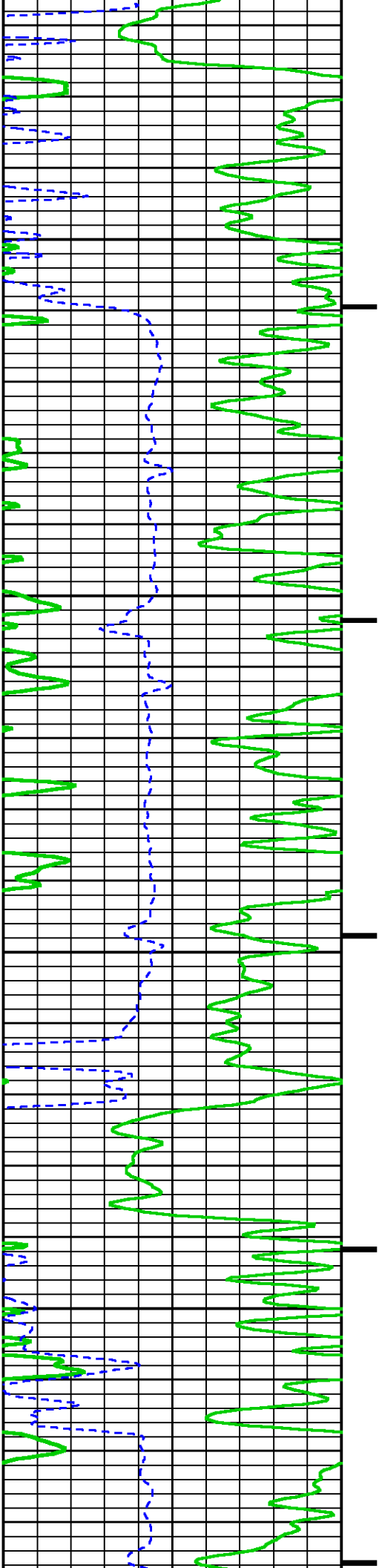


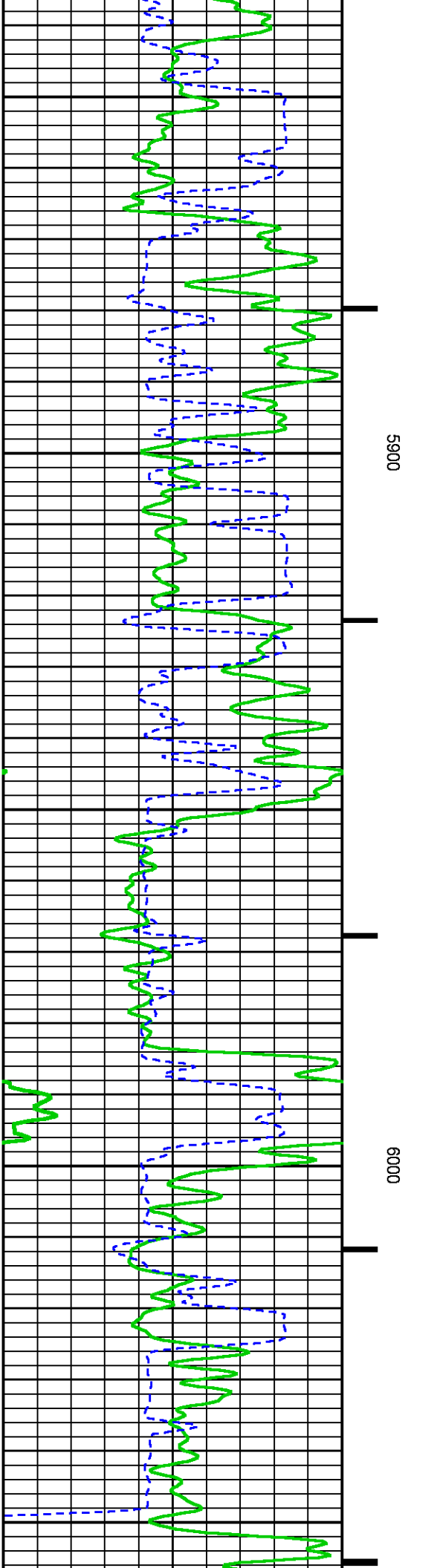
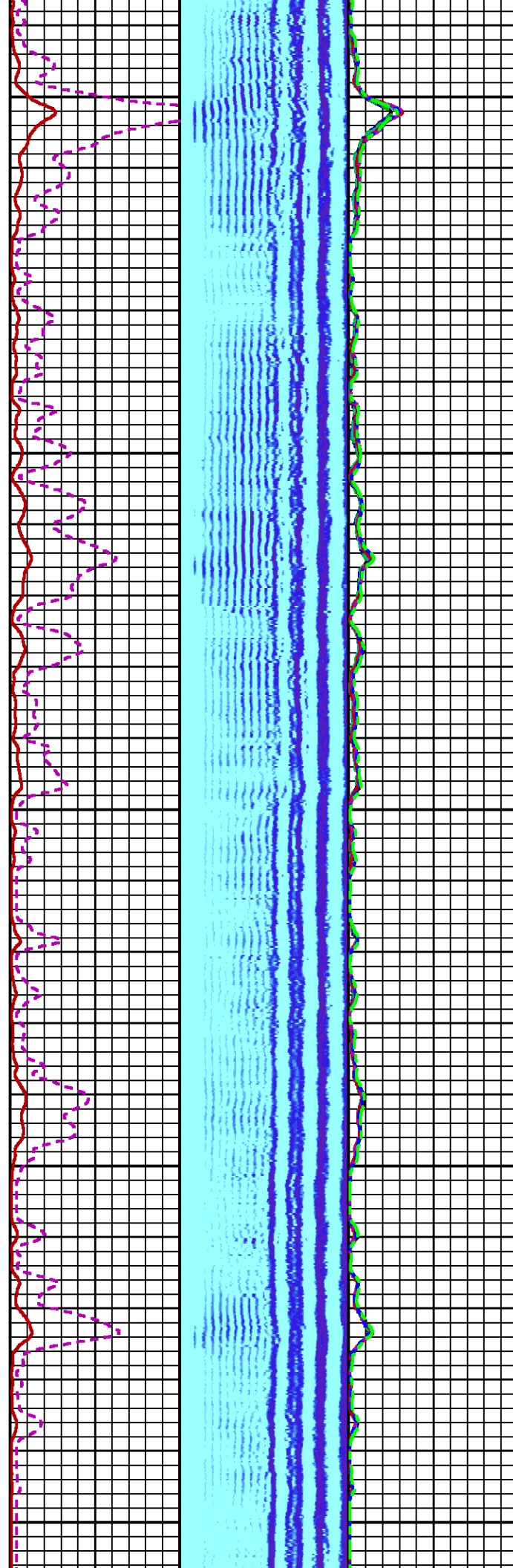
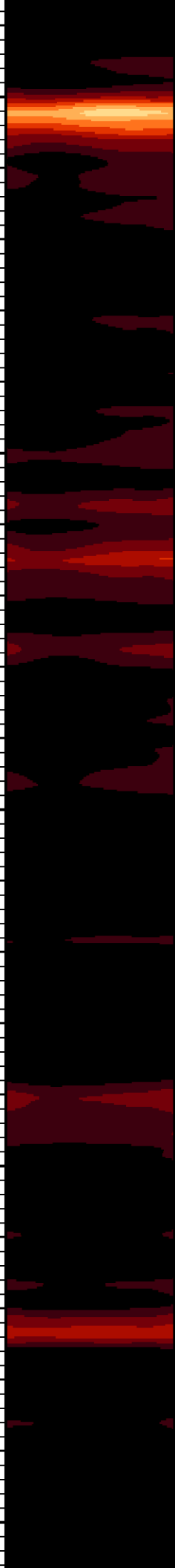


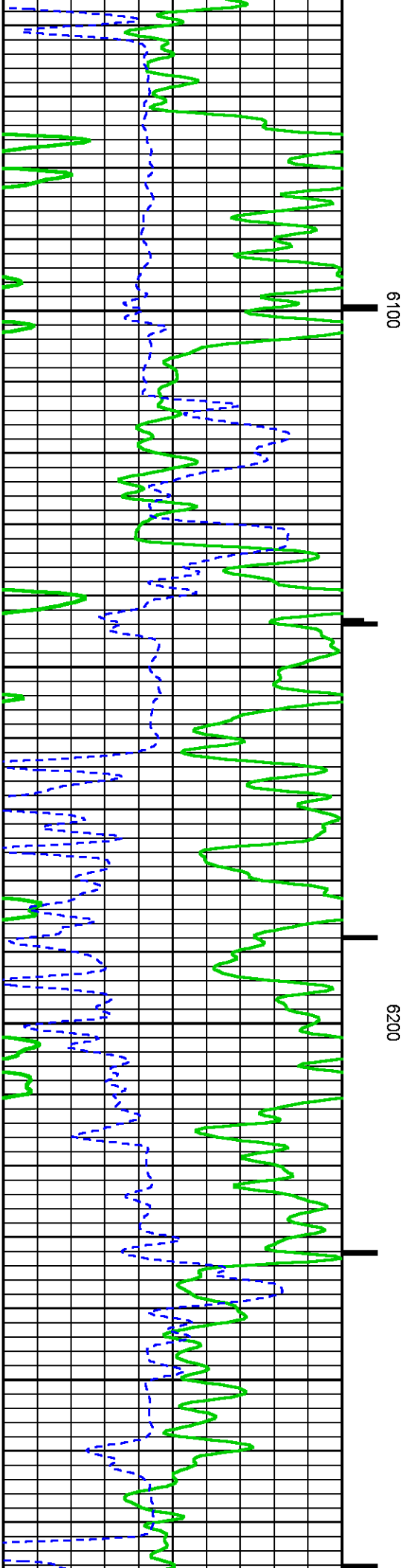
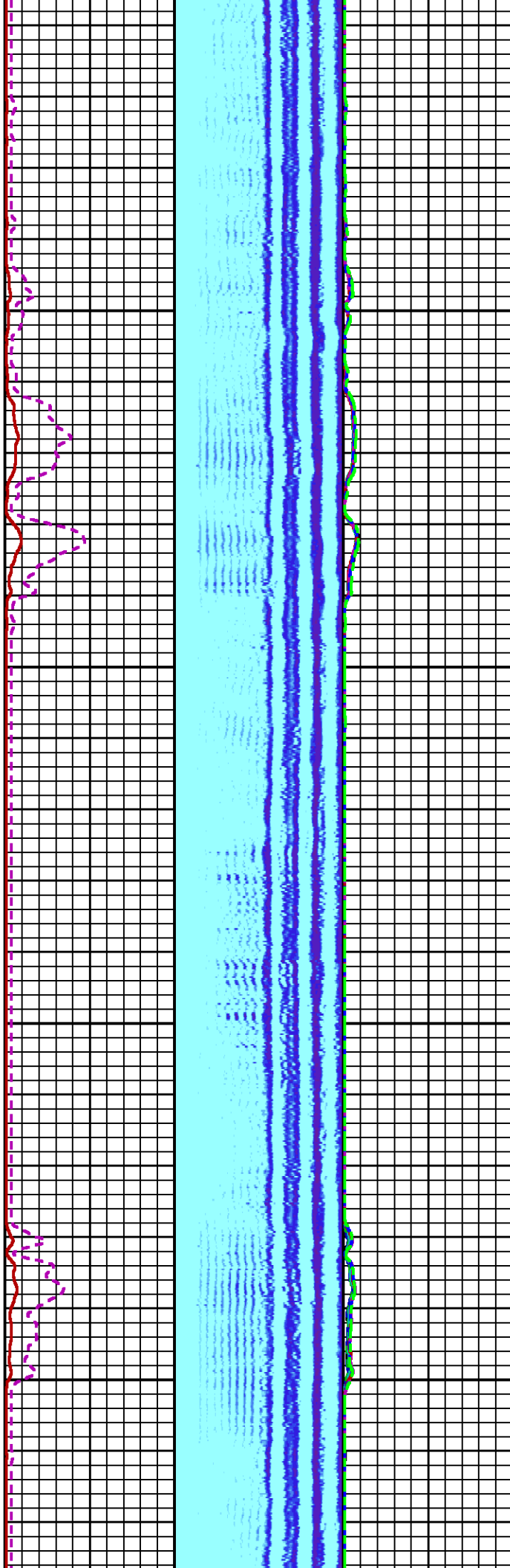
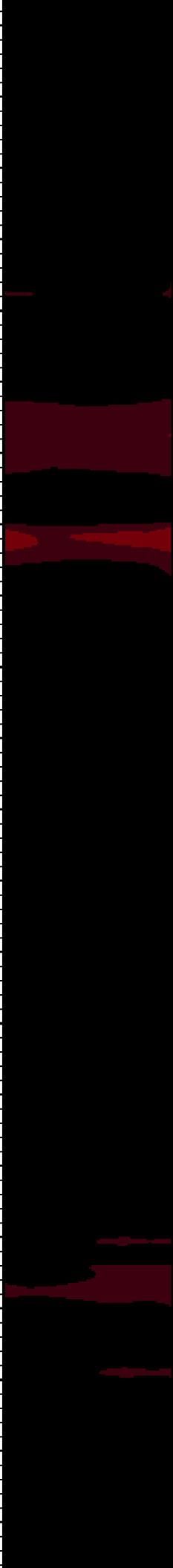


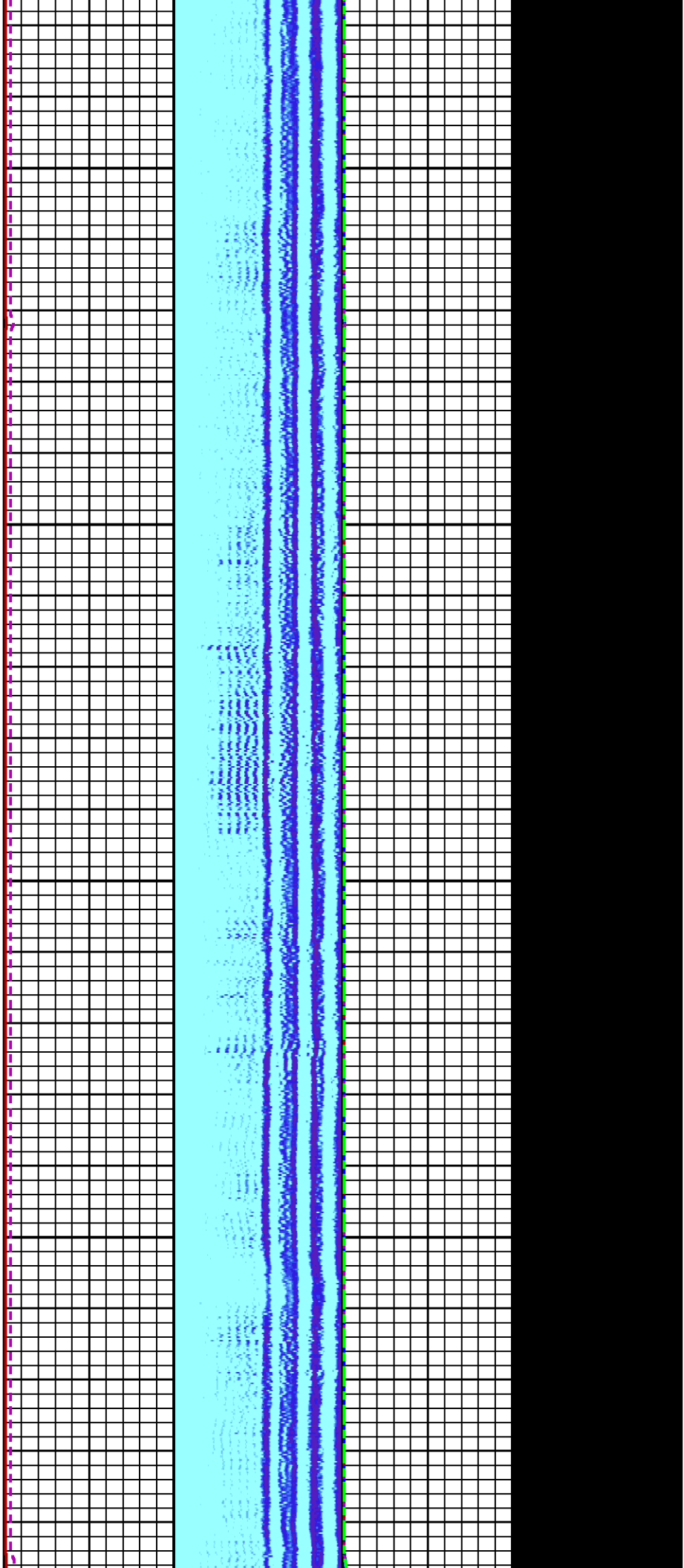
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5800



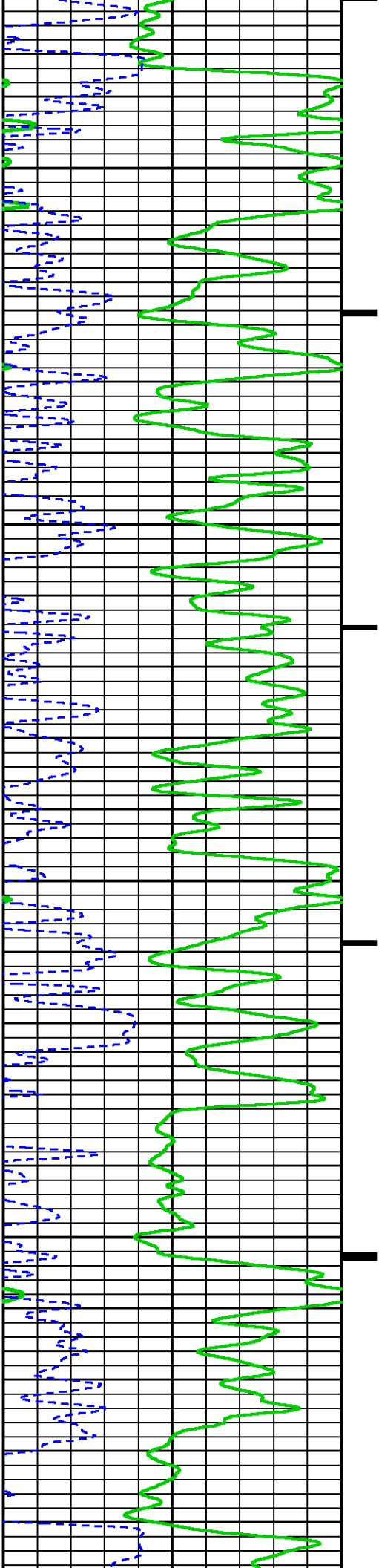


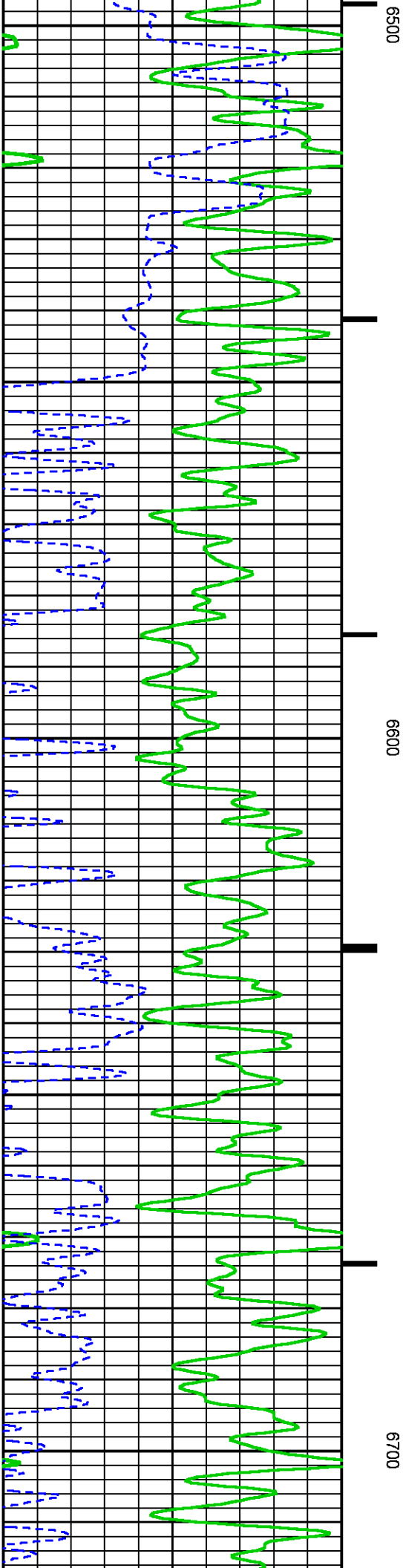
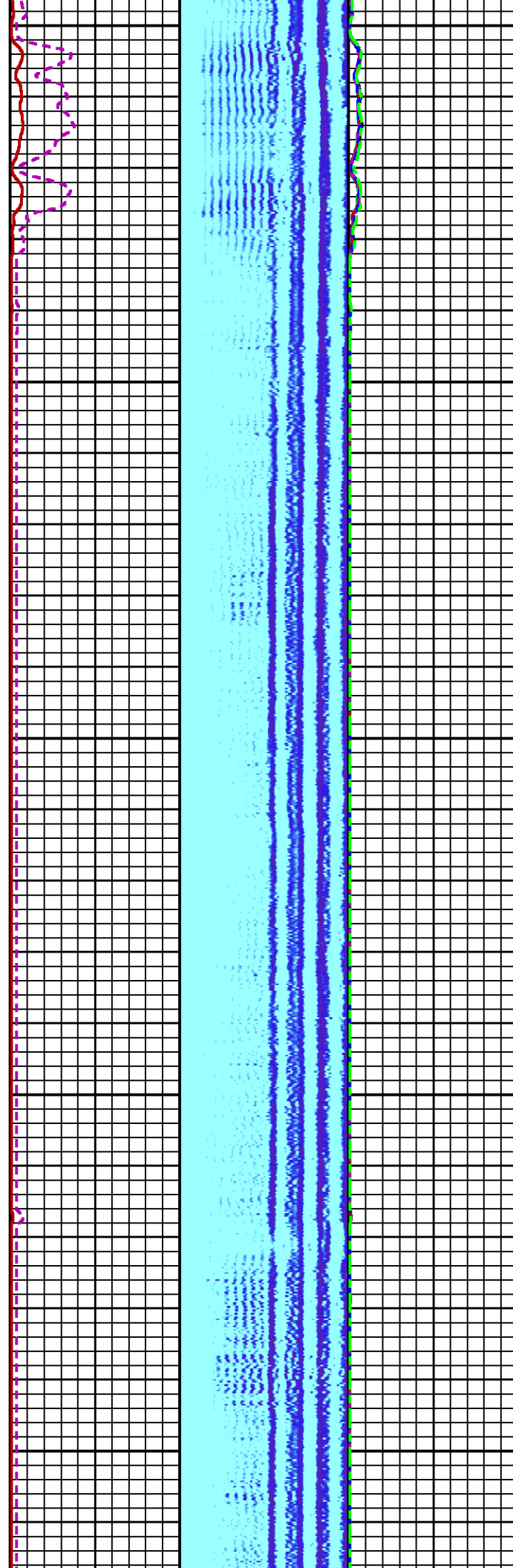


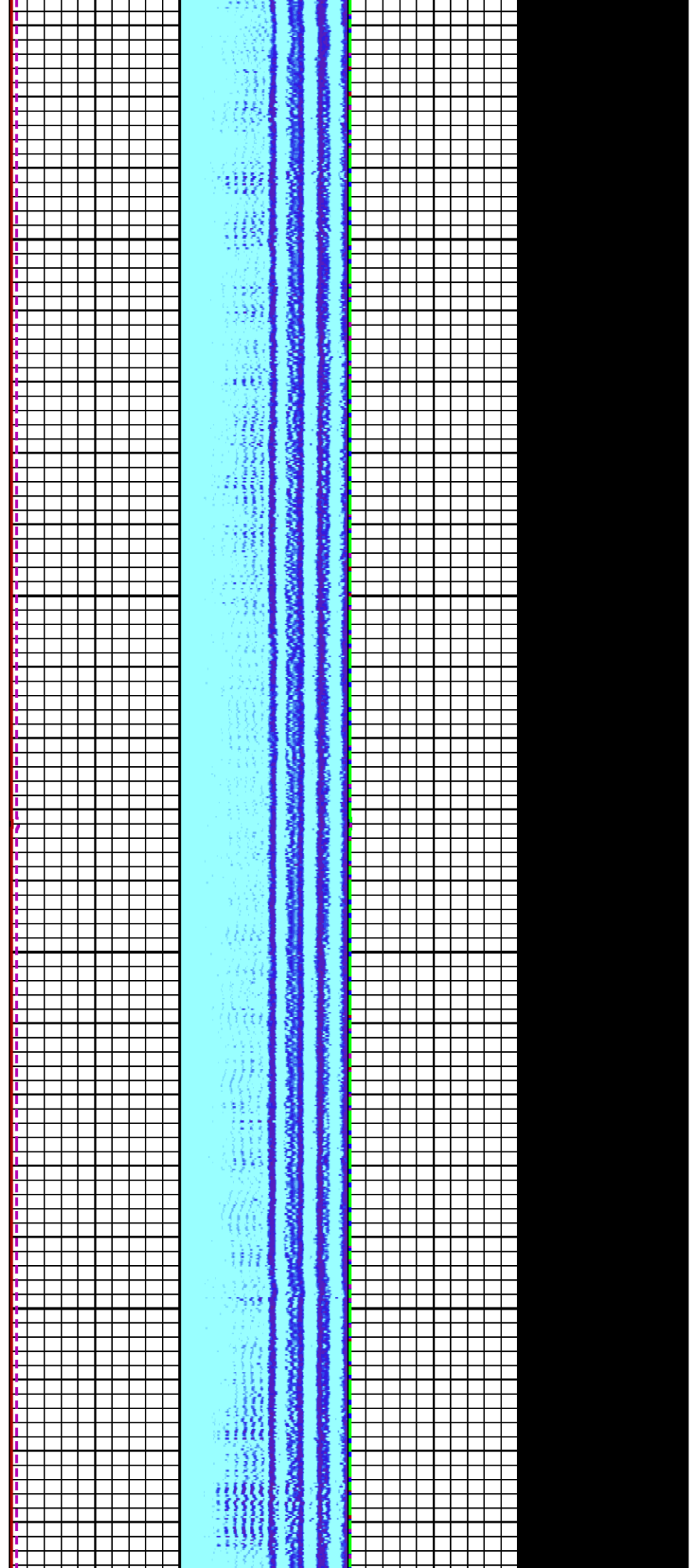
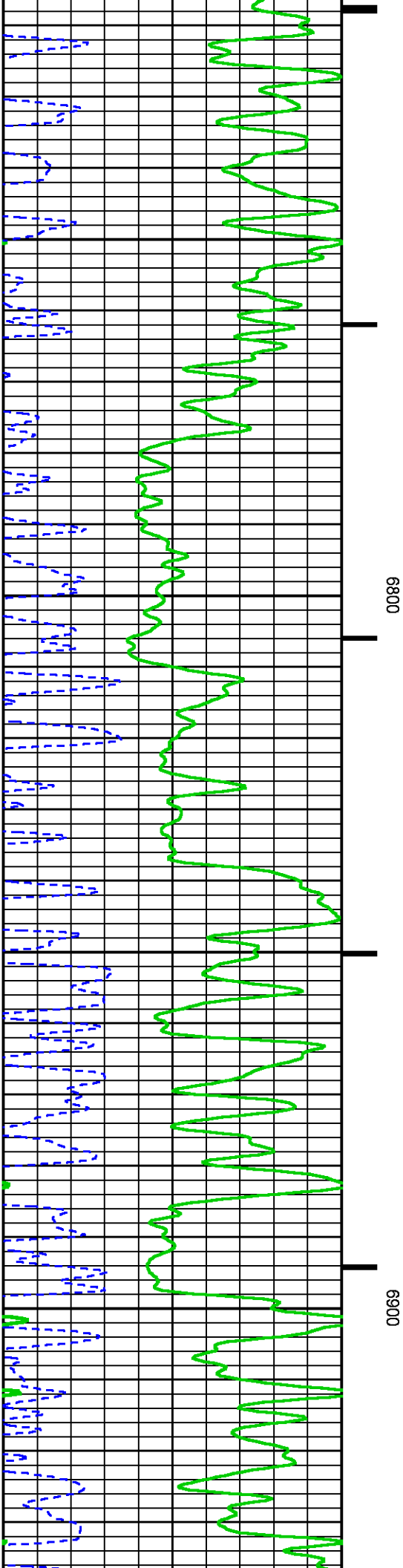


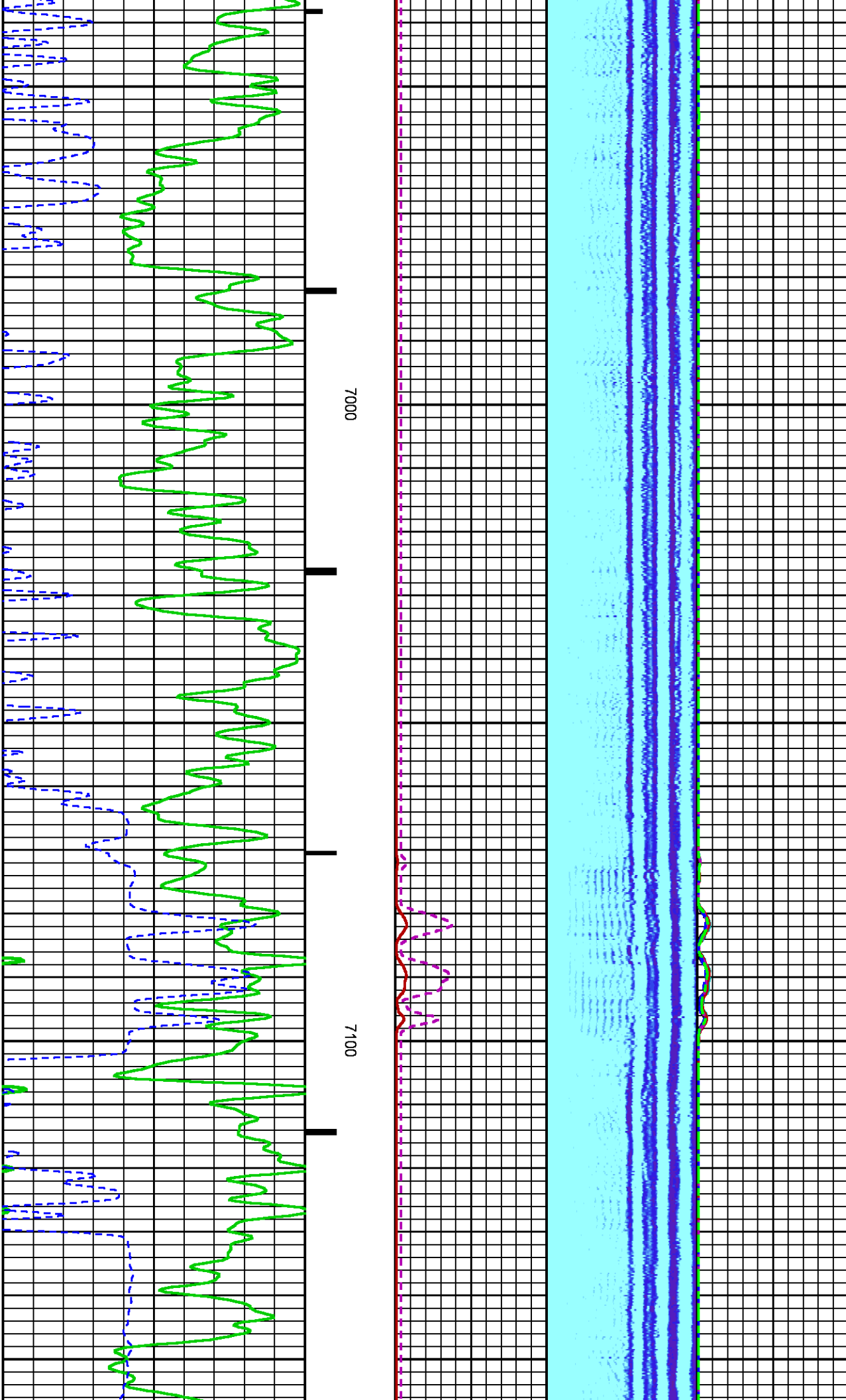
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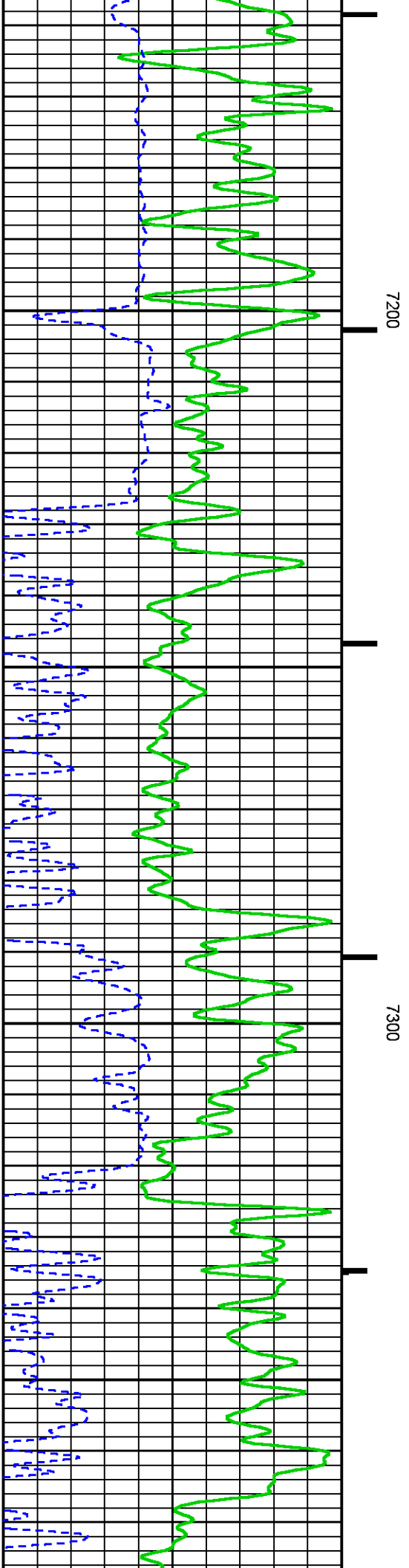
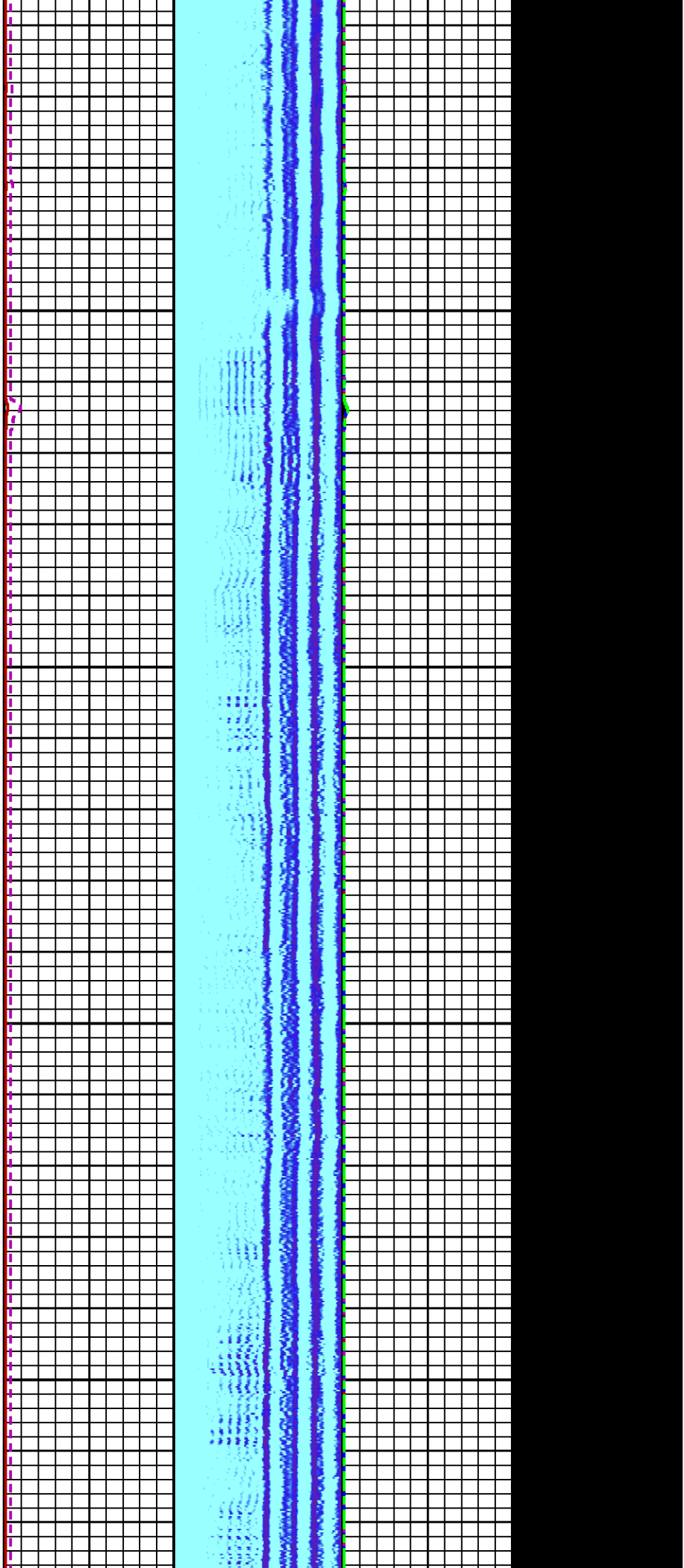
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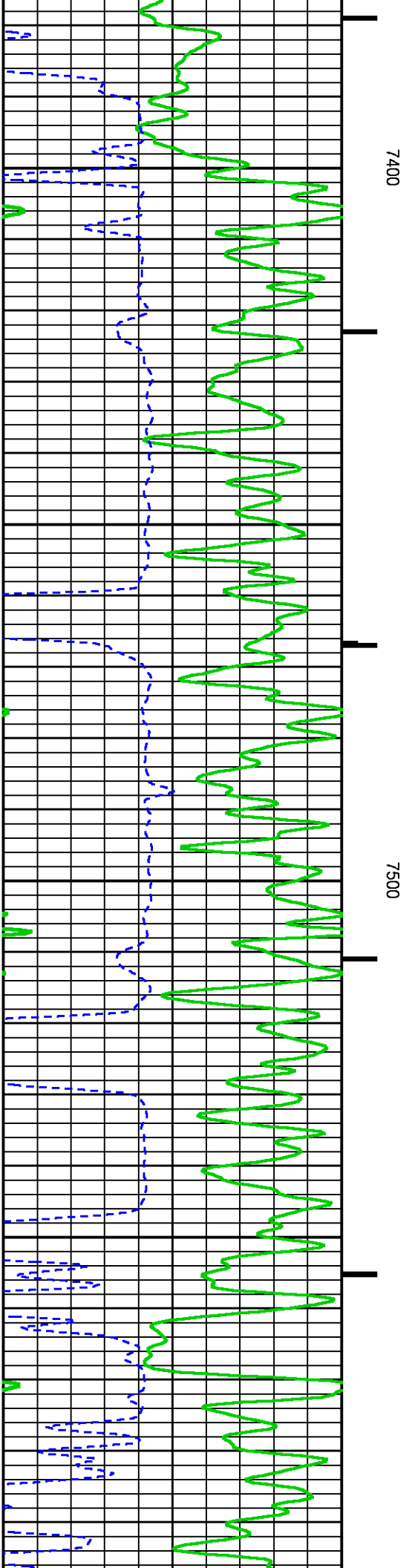
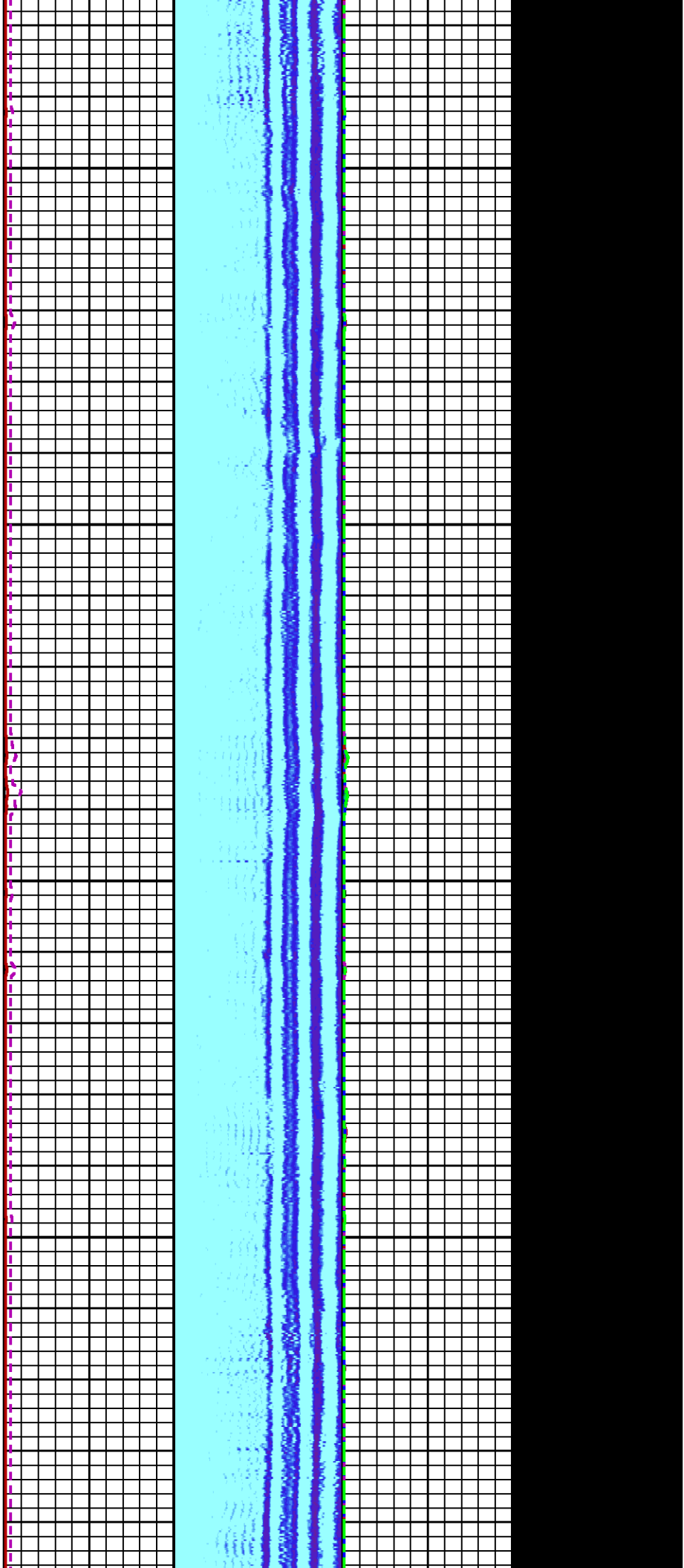


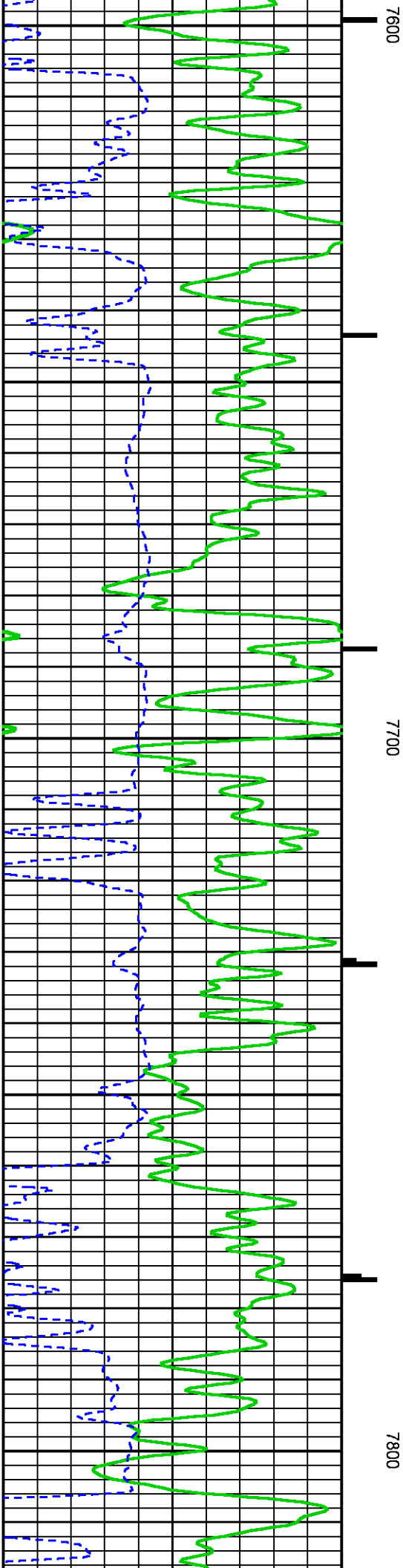
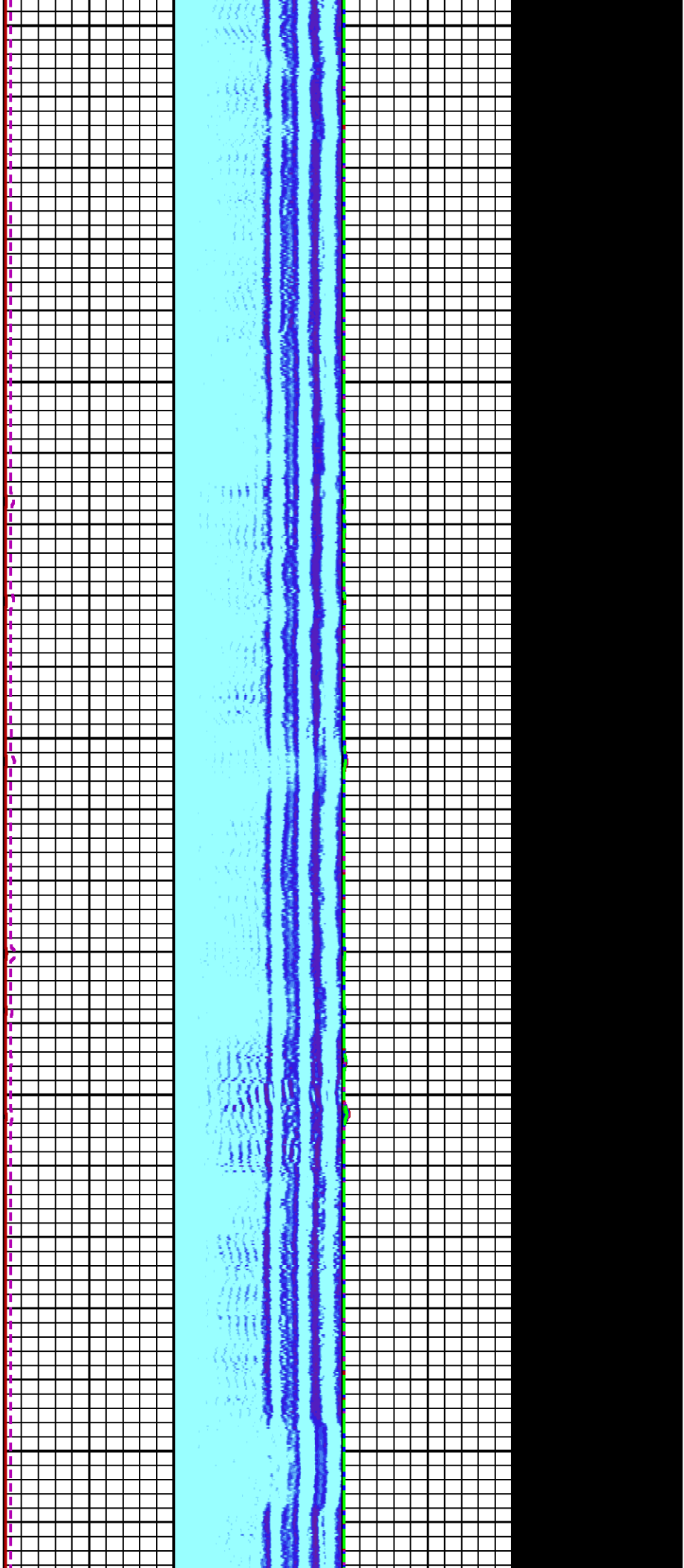


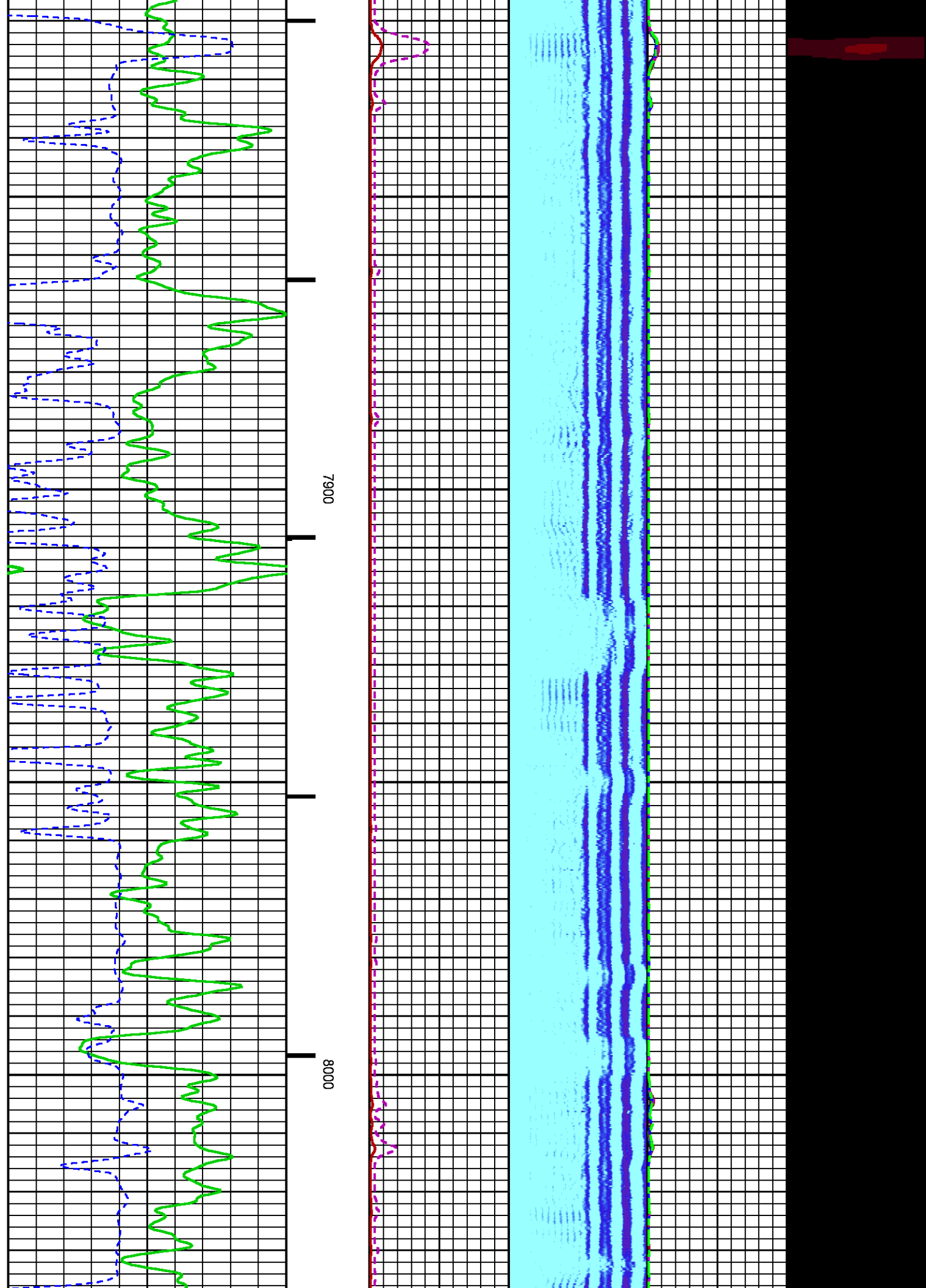


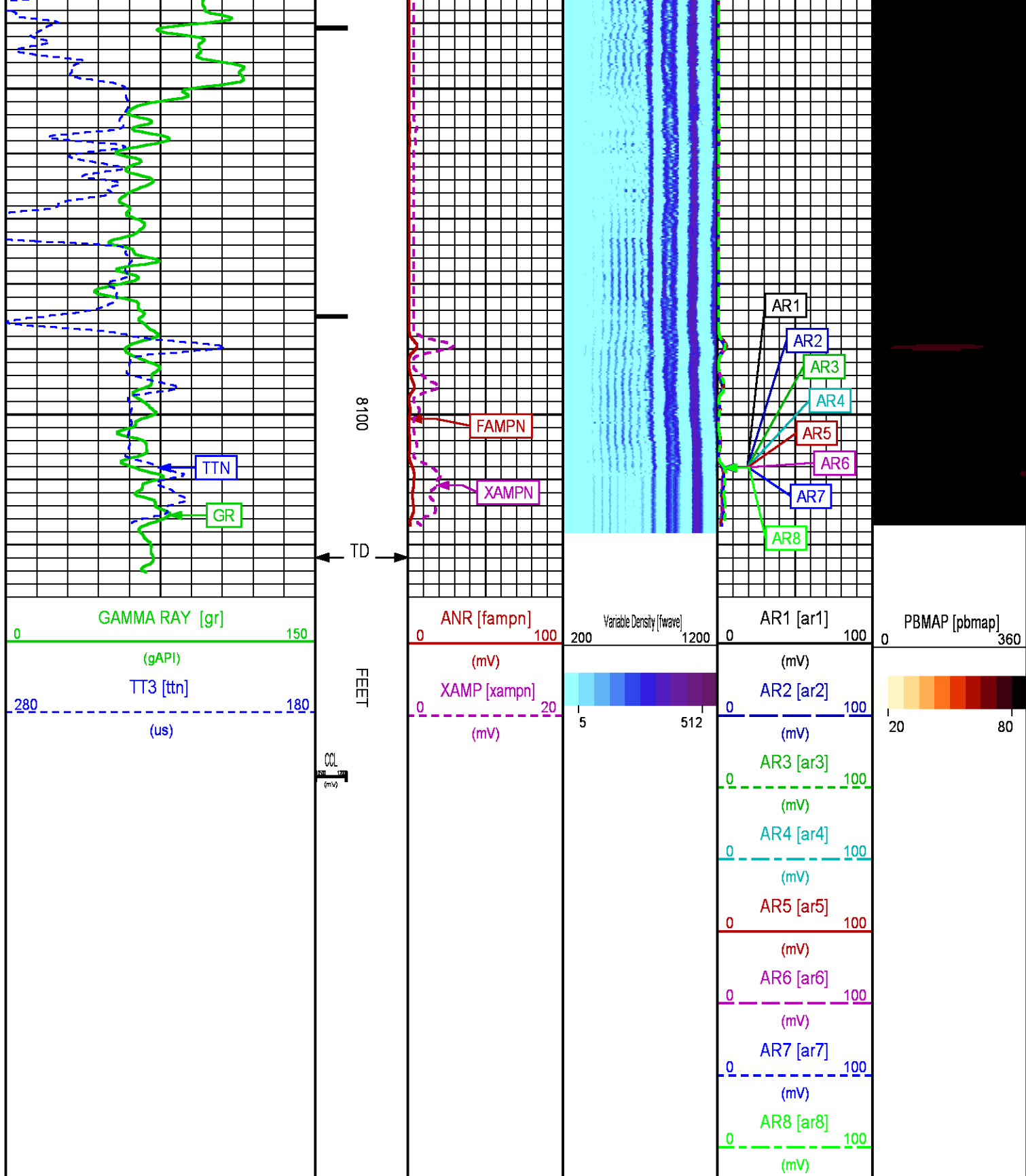












REPEAT PRESENTATION 0 PSI

Plotted: Sun May 18 14:31:29 2014

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/CH086321/n012e01.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 7761.500 ft BOTTOM DEPTH: 8123.250 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*) | 187 | 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*) | -66 | us | " | " |
| BASELINE NOISE (NEAR) | NOISE WINDOW START | 125 | us | " | " |
| | NOISE WINDOW LENGTH | 25 | us | " | " |

CURVE DESCRIPTION REPORT

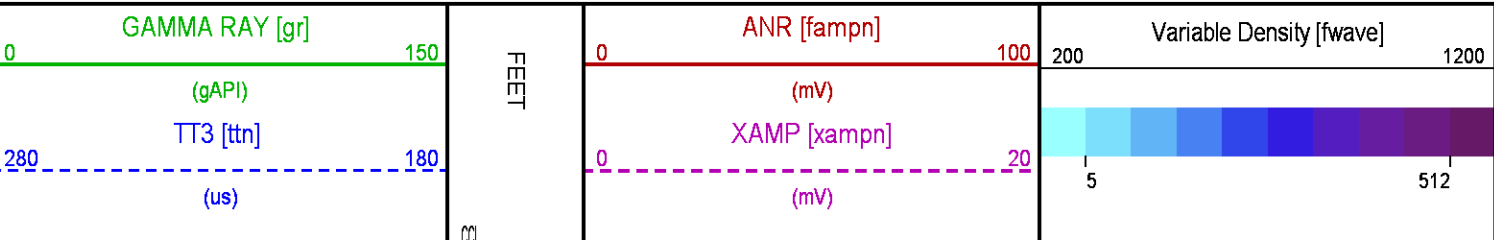
| CURVE NAME | CREATION DATE | CURVE DESCRIPTION |
|------------|----------------------|---|
| F1:CCL | May 18 08:14:26 2014 | CASING COLLAR LOCATOR |
| F1:FAMPN | May 18 08:14:26 2014 | FIXED GATE AMPLITUDE NEAR RECEIVER |
| F1:FWAVE | May 18 08:14:26 2014 | FAR WAVE FORM |
| F1:GR | May 18 08:14:26 2014 | GAMMA RAY |
| F1:TTN | May 18 08:14:26 2014 | TRAVELTIME FROM NEAR TRANSMITTER-RECEIVER |
| F1:XAMPN | May 18 08:14:26 2014 | FIXED GATE AMPLITUDE NEAR RECEIVER TIMES FIVE |

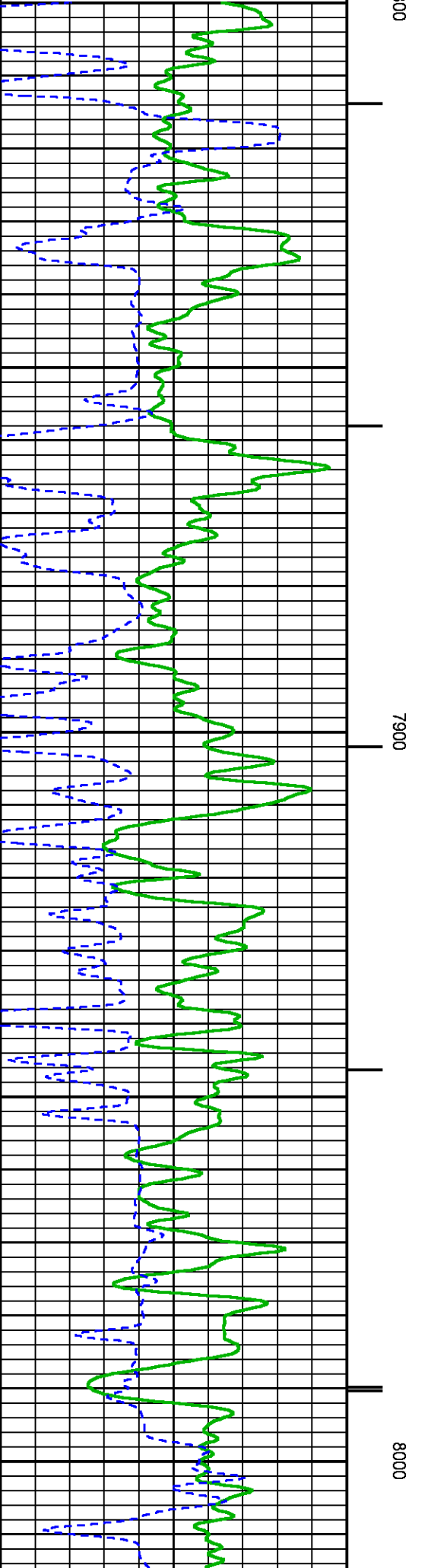
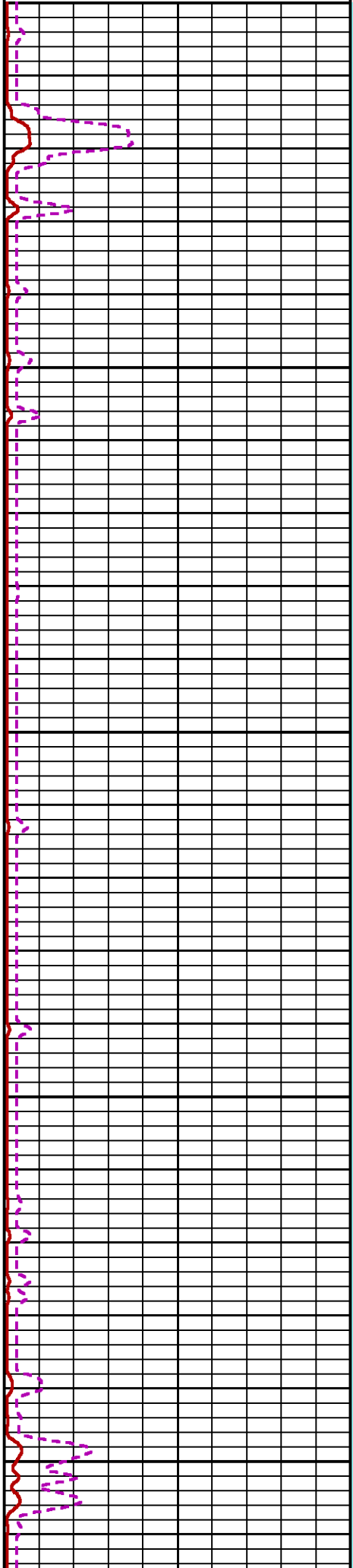
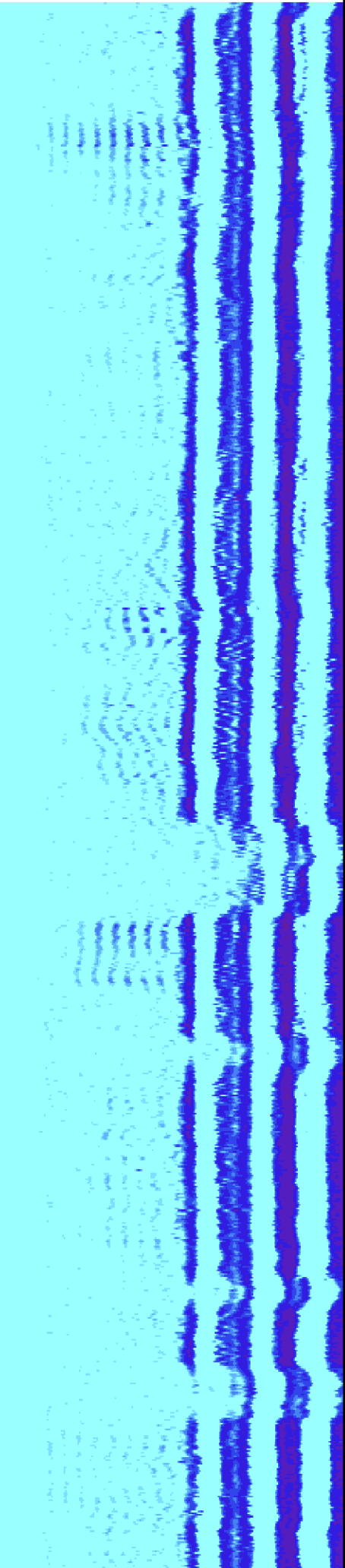
CURVE MEASURE POINT OFFSET

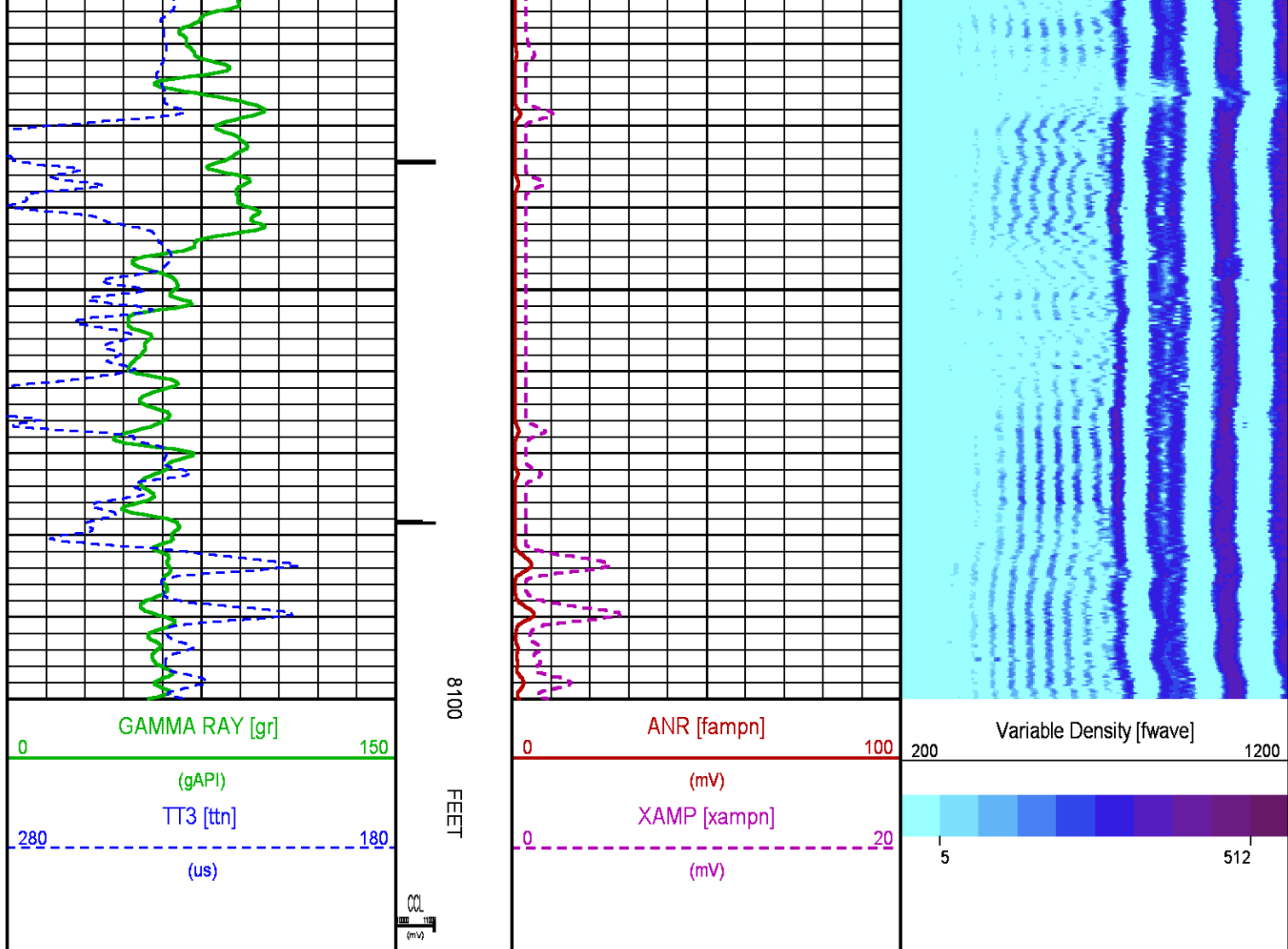
| CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) | CURVE | OFFSET (ft) |
|-------|-------------|-------|-------------|-------|-------------|-------|-------------|
| CCL | 8.50 | GR | 6.50 | XAMPN | 13.75 | | |
| FAMPN | 13.75 | TTN | 13.75 | | | | |

Presentation : HL6670:CBL_REPEAT_PRESENTATION.fvpdf [5"/100' Scale]
 Plot Interval : 7800 - 8100 Feet

Data File 1 : F1 : HL6670:/dat1a/CH086321/n012e01_REPEAT.xtf
 Created On : May 18 08:14:26 2014
 Company : WPX ENERGY INC
 Well : WPX ENERGY PA 544-3
 Field : PARACHUTE
 File Interval : 7747.5 - 8123.25 Feet
 OCT : n012e







CALIBRATION / VERIFICATION SUMMARY

Source File: /dat1a/CH086321/CBL_tp1

RAL PRIMARY CALIBRATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Sun May 18 07:40:32 2014

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) | -0.82 | -0.36 | -0.35 | -0.37 | -0.36 | -0.37 | -0.41 | -0.47 | -0.46 | -0.05 | -0.00 |
| AMP FLUID (mV) | 335 | 324 | 320 | 319 | 321 | 318 | 322 | 324 | 320 | 570 | 312 |
| TT (us) | 218 | 219 | 219 | 219 | 218 | 217 | 217 | 216 | 219 | 317 | 219 |
| M FACTOR | 0.30 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.26 | 0.32 |

RAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 1426XA 10154957

DATE/TIME PERFORMED: Sun May 18 07:42:59 2014

DAYS SINCE CAL: 0

UNIT #: 3880TA HL6670

CABLE #: S0159C SMALL1

| | NEAR | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | FAR | CAL |
|--|------|----|----|----|----|----|----|----|----|-----|-----|
|--|------|----|----|----|----|----|----|----|----|-----|-----|

| | | | | | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | (mV) | (mV) | (mV) | (mV) | (mV) | (mV) | (mV) | (mV) | (mV) | (mV) | (mV) |
| ZERO | 0.01 | 0.01 | -0.00 | 0.00 | 0.00 | -0.00 | 0.00 | -0.00 | 0.00 | -0.02 | -0.01 |
| AMP AIR | -1.03 | -0.87 | -0.65 | -0.66 | -0.57 | -0.66 | -0.66 | -0.54 | -0.74 | 1.11 | 100.04 |

| | | |
|------------------|------------------|--------------------|
| SHOP M FACTOR | SHOP A FACTOR | WIRELINE FACTOR |
| 0.32 | 0.00 | 1.00 |

GR PRIMARY CALIBRATION SUMMARY

| | | | | | | | |
|---------|------------|-----------------|---------|----------------------|------------|--------------------------|---------|
| TOOL #: | | 2459XA 10417457 | | DATE/TIME PERFORMED: | | Thu May 15 08:17:39 2014 | |
| UNIT #: | | 3880TA HL6670 | | CALB JIG #: | | 4702NK DA-041 | |
| | BACKGROUND | CALBRTR ON | CR DIFF | MULT | BACKGROUND | CALBRTR ON | CALBRTR |
| | (cts) | (cts) | (cts/s) | | (gAPI) | (gAPI) | (gAPI) |
| GR | 44.62 | 286.62 | 242.0 | 0.764 | 34.11 | 219.11 | 185 |

GR PRIMARY VERIFICATION SUMMARY

| | | | | | | | | | | | |
|-----------------------|-------|--------|-----------------|-------|--------|-----------------------|--|--|--------------------------|--|--------|
| TOOL #: | | | 2459XA 10417457 | | | DATE/TIME PERFORMED: | | | Thu May 15 08:19:13 2014 | | |
| UNIT #: | | | 3880TA HL6670 | | | VERI JIG #: | | | 4702NK DA-041 | | |
| BACKGROUND CALBRTR ON | | | MULT | | | BACKGROUND CALBRTR ON | | | DIFF. | | |
| (cts) | | | (cts) | | | (gAPI) | | | (gAPI) | | |
| GR | 42.62 | 281.82 | 0.764 | 32.58 | 215.44 | 182.86 | | | | | |
| | | | | | | | | | 176.00 | | 196.00 |

INSTRUMENT CONFIGURATION

Source File: /dat1a/CH086321/MPX_CBL-tdg

CABLEHEAD

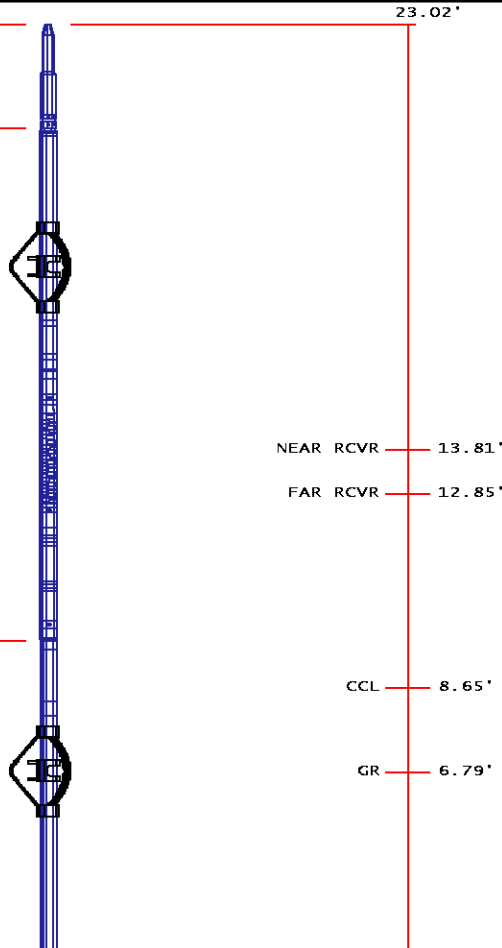
Diameter : 2.75"
Length : 2.25"
Weight : 10 lbs
Series : CABL234
Mnemonic : CBLH

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 NEUTRON/GR/CCL/CHV DETECTOR

Diameter : 2.75"
Length : 9.42"
Weight : 106 lbs
Series : 2459XA
Mnemonic : RAL
Measure Point: 8.46': CCL
Measure Point: 6.60': GR
Measure Point: 1.21': NEU




BULL PLUG 2 3/4

TOTAL LENGTH: 23.02'
TOTAL WEIGHT: 258 lbs
MAX DIAMETER: 0'4.00"

NEU 1.40'

0.00'

| | | | | | |
|--|---------|---------------------|-------|-----------------|----------------|
|  | COMPANY | WPX ENERGY INC | | FILE NO: | |
| | WELL | WPX ENERGY PA 544-3 | | | US086321 |
| | FIELD | PARACHUTE | | API NO: | |
| | COUNTY | GARFIELD | STATE | CO | 05045221350000 |
| LOCATION: | | ELEVATIONS: | | S3 T7S R95W | |
| SHL: 2023' FSL 244' FWL S2 T7S R95W | | KB 5846 FT | | PAD: GV 86-2 | |
| BHL: 244' FSL 509' FEL S3 T7S R95W | | DF | | RIG: AZTEC 1000 | |
| SEC 3 TWP 7S RGE 95W | | GL 5821 FT | | | |
| | | DATE | | 17-May-2014 | |

