



|                       |         |            |               |               |                |     |                  |             |            |                       |        |
|-----------------------|---------|------------|---------------|---------------|----------------|-----|------------------|-------------|------------|-----------------------|--------|
| Mud Properties Record |         |            |               |               |                |     |                  |             |            |                       |        |
| Date / Time           | Run No. | Depth (ft) | Mud Type      | Density (ppg) | Viscosity (cP) | pH  | Fluid Loss (cm3) | Oil / Water | Source     | Total Chlorides (ppm) | K+ (%) |
| 2020-02-26 13:21      | 1       | 1958.00    | Oil Based Mud | 9.3           | 11             | N/A | 19.5             | 77/23       | Active Pit | 29000                 | 0.00   |
| 2020-02-28 09:18      | 1       | 6884.00    | Oil Based Mud | 9.5           | 12             | N/A | 18.0             | 80.7/19.3   | Active Pit | 28400                 | 0.00   |
| 2020-02-29 08:08      | 1       | 13785.00   | Oil Based Mud | 10.1          | 17             | N/A | 18.5             | 76.7/23.3   | Active Pit | 29400                 | 0.00   |

|                            |                              |               |                      |                    |                 |               |               |
|----------------------------|------------------------------|---------------|----------------------|--------------------|-----------------|---------------|---------------|
| Equipment and Service Data |                              |               |                      |                    |                 |               |               |
| Run No.                    | Tool                         | Serial Number | Measurement          | Sensor Offset (ft) | Bit Offset (ft) | Max O.D. (in) | Min I.D. (in) |
| 1                          | AutoTrak Curve Steering Unit | 14381997      | Near Bit Inclination | 5.93               | 6.78            | 7.000         | 4.330         |
| 1                          | AutoTrak Curve Steering Unit | 14381997      | Near Bit VSS         | 5.93               | 6.78            | 7.000         | 4.330         |
| 1                          | AutoTrak Curve MWD           | 12118955      | Gamma (single)       | 2.72               | 12.95           | 7.000         | 3.250         |
| 1                          | AutoTrak Curve MWD           | 12118955      | Directional (mag)    | 12.27              | 22.50           | 7.000         | 3.250         |

|                            |                     |                               |
|----------------------------|---------------------|-------------------------------|
| Service and Tool Mnemonics |                     |                               |
| Mnemonic                   | Name                | Description                   |
| ATC SU                     | AutoTrak Curve SU   | Auto Trak Curve Steering Unit |
| ATC MWD                    | AutoTrak Curve MWD  | Auto Trak Curve MWD           |
| ATC LCPM                   | AutoTrak Curve LCPM | Auto Trak Curve LCPM          |

Comments

1

Depth measurements were obtained from a depth control system not supplied or operated by Baker Hughes. Due to lack of control by Baker Hughes logging engineers, depth calibrations and measurements could not be independently verified.

2

Baker Hughes LWD Run 1 utilized 6 ¾ inch NaviGamma service (Gamma Ray and Directional) behind an 8 1/2 inch bit and rotary steerable assembly from 1958 to 17610 feet MD (1958 to 6852 feet TVD).

3

The Gamma Ray Apparent (GRAM) data is presented 0 to 300 API, per the customer's request.

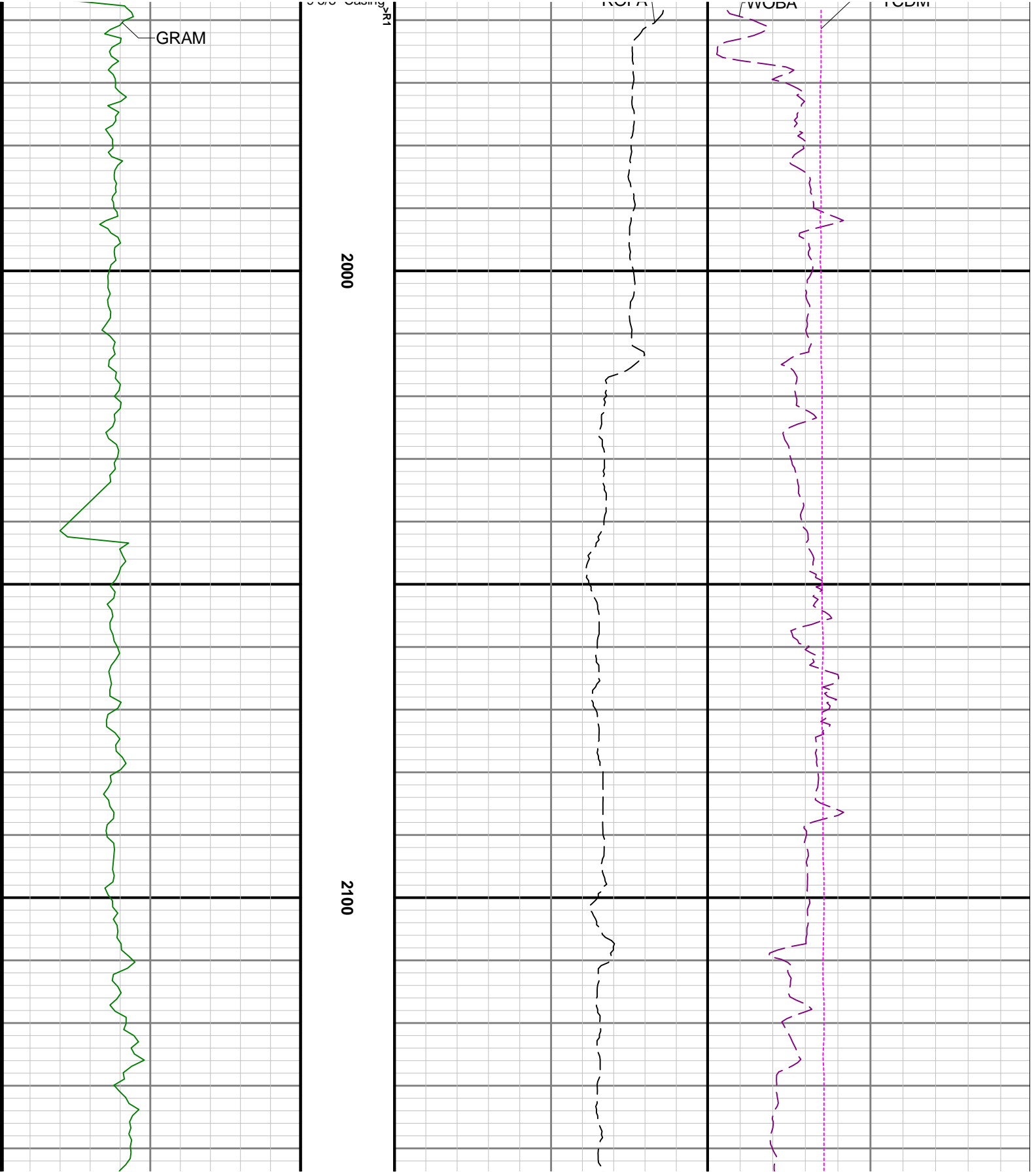
4

Several gaps appear in the log due to drilling ahead before the assembly had time to properly power on.

|         |            |                   |         |        |
|---------|------------|-------------------|---------|--------|
| Remarks |            |                   |         |        |
| Number  | Depth (ft) | Hole Section (in) | Run No. | Remark |

|                  |  |  |       |
|------------------|--|--|-------|
| Curve Mnemonics  |  |  |       |
| Presented Curves |  | Description                                  | Units |
| ROPA             |  | Depth Averaged ROP 3 ft Average              | ft/h  |
| WOBA             |  | Weight On Bit 1 ft Average                   | klb   |
| GRAM             |  | Gamma Ray - Apparent - Memory 0.5 ft Average | API   |
| TCDM             |  | Directional Real-Time Survey Temperature     | degF  |

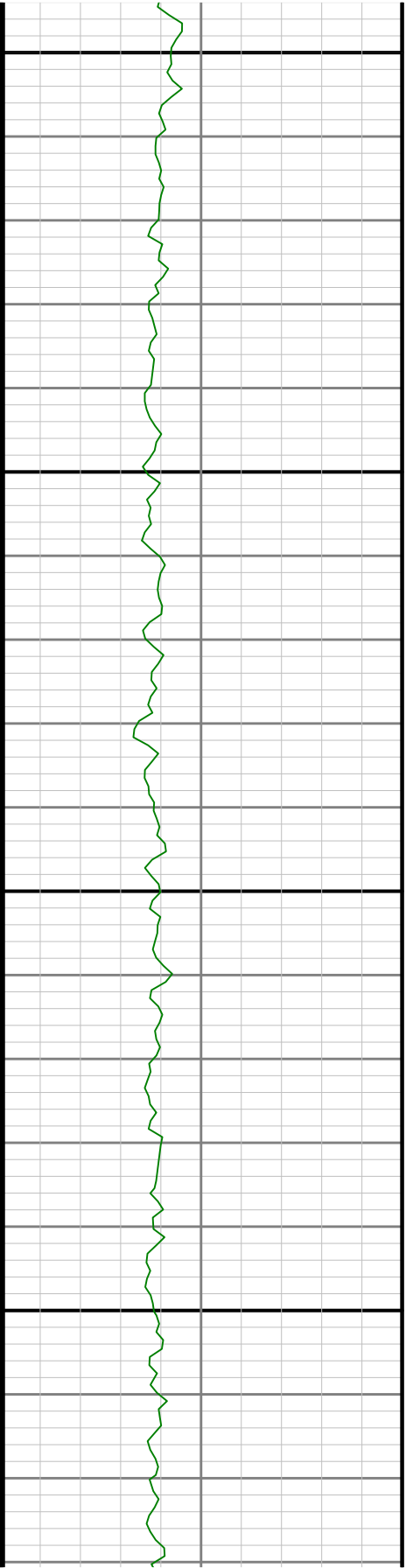
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|--|-----|----------------|--------------------------------------|---|--|-----|
| Gamma Ray - Apparent 0.5 ft Average GRAM |     | TVD 1:240 feet | Depth Averaged ROP 3 ft Average ROPA |   | Weight On Bit, Average 1 ft Average WOBA |     |
| 0  | 300 |                | 1000                                 | 0 | 0  | 50  |
| API                                      |     |                | ft/h                                 |   | klb                                      |     |
|  |     |                |                                      |   | Downhole Temperature TCDM                |     |
|  |     |                |                                      |   | 0  | 300 |
|  |     |                |                                      |   | degF                                     |     |
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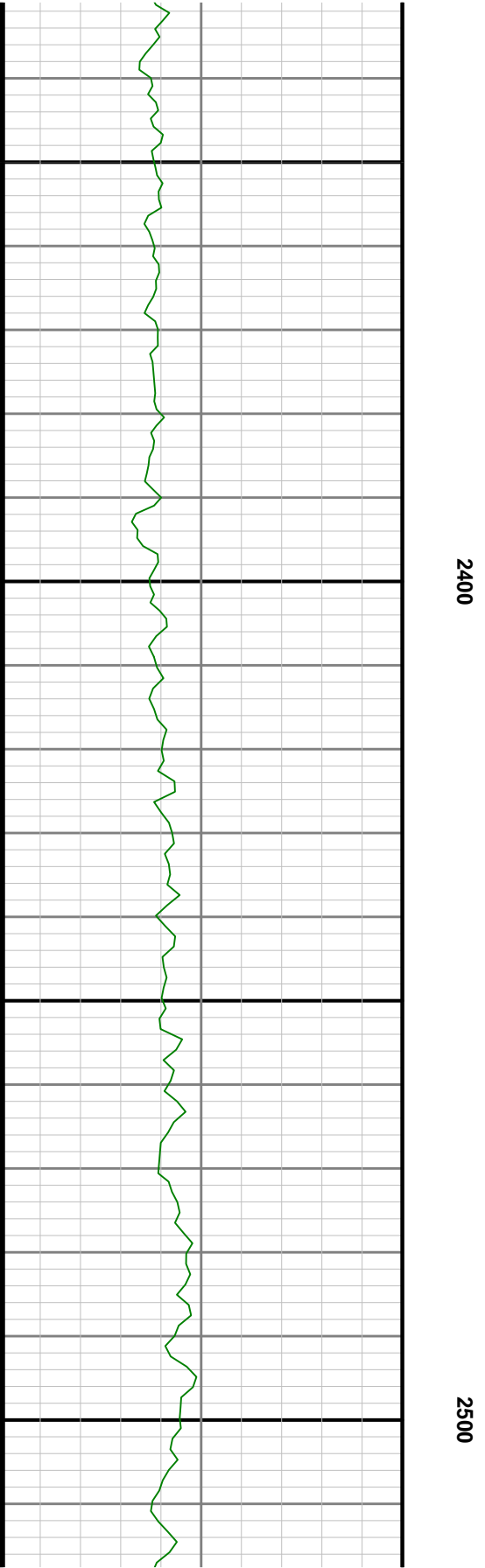
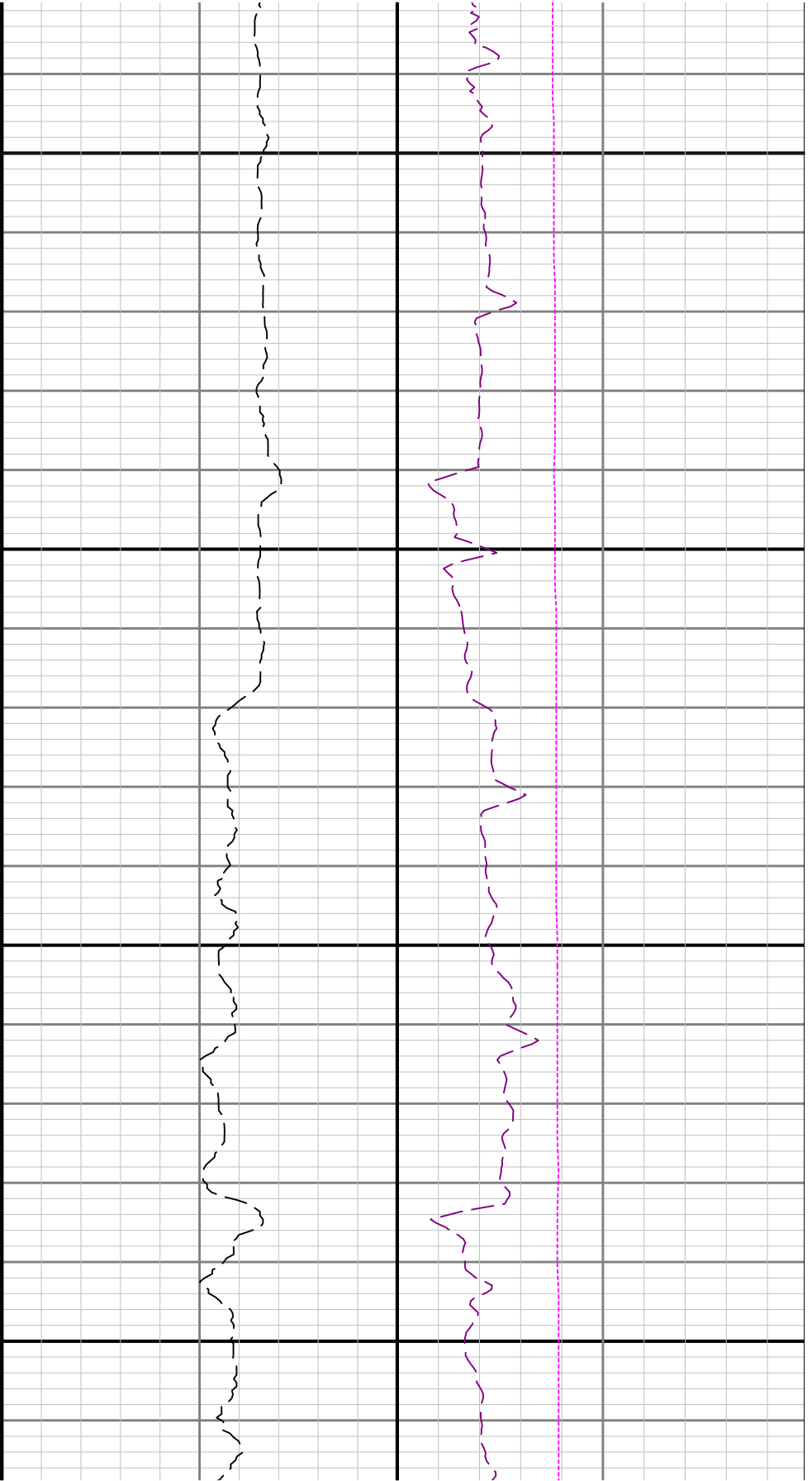


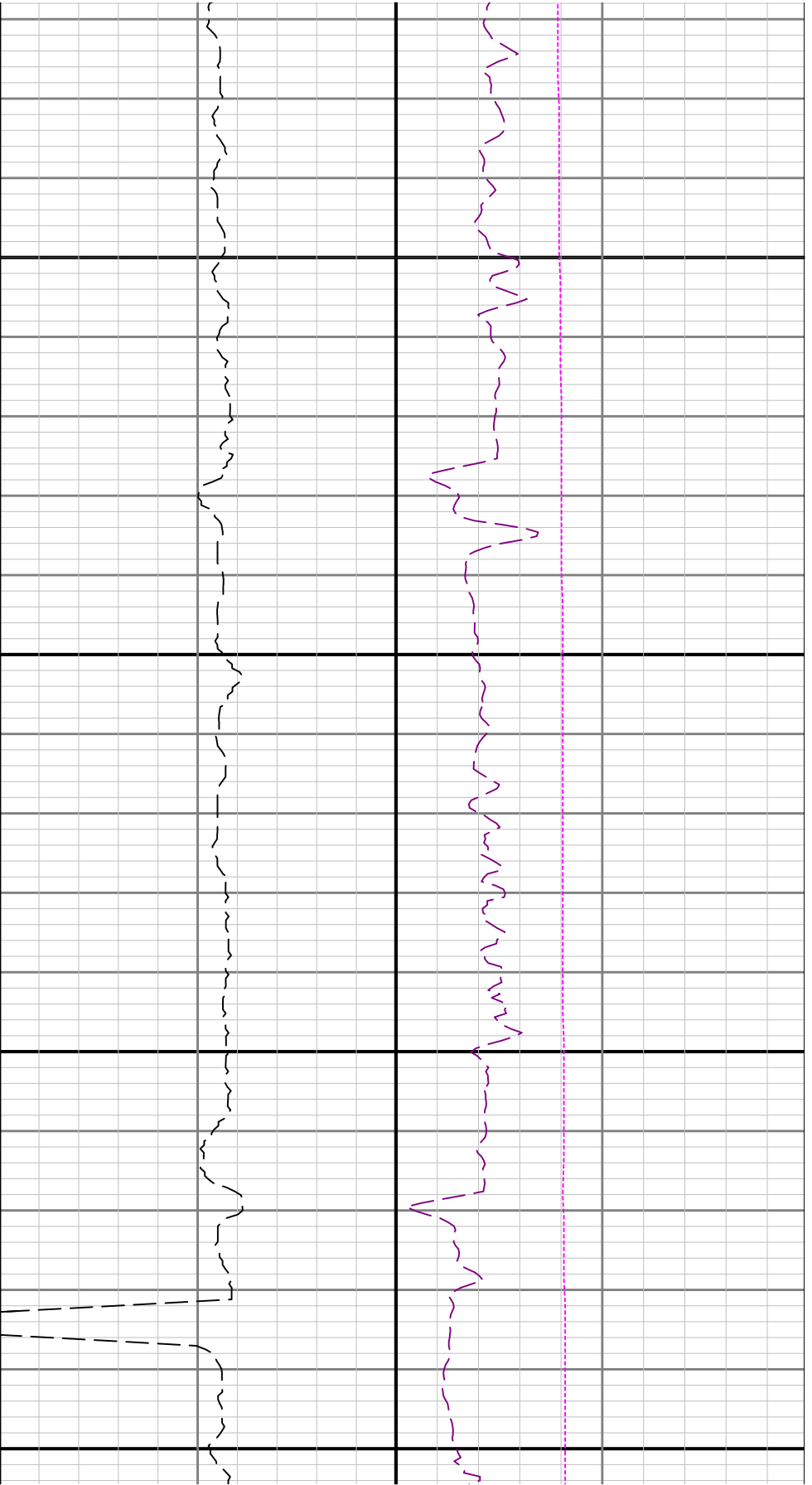


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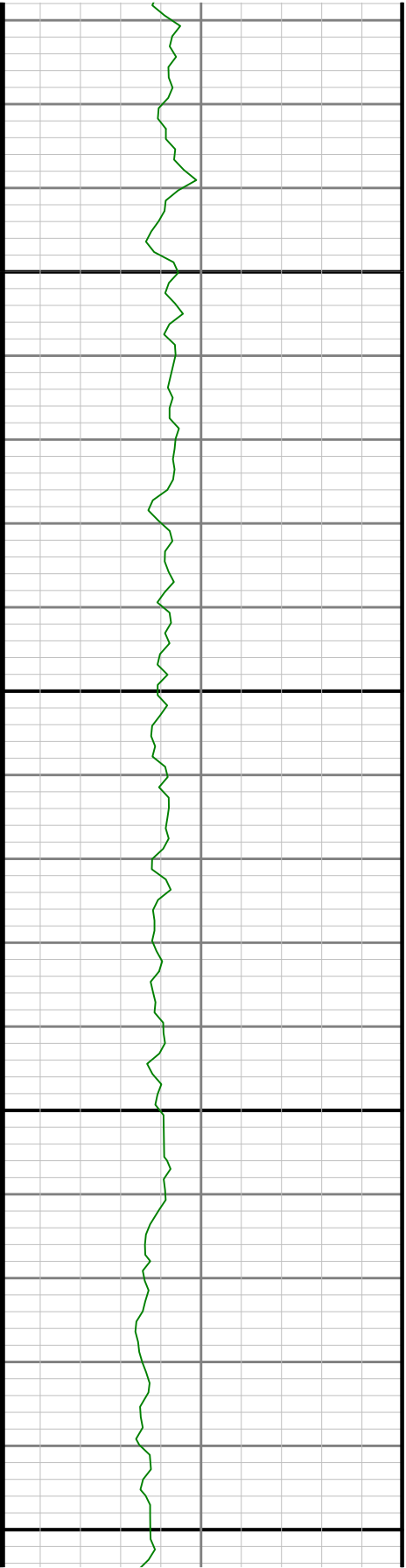


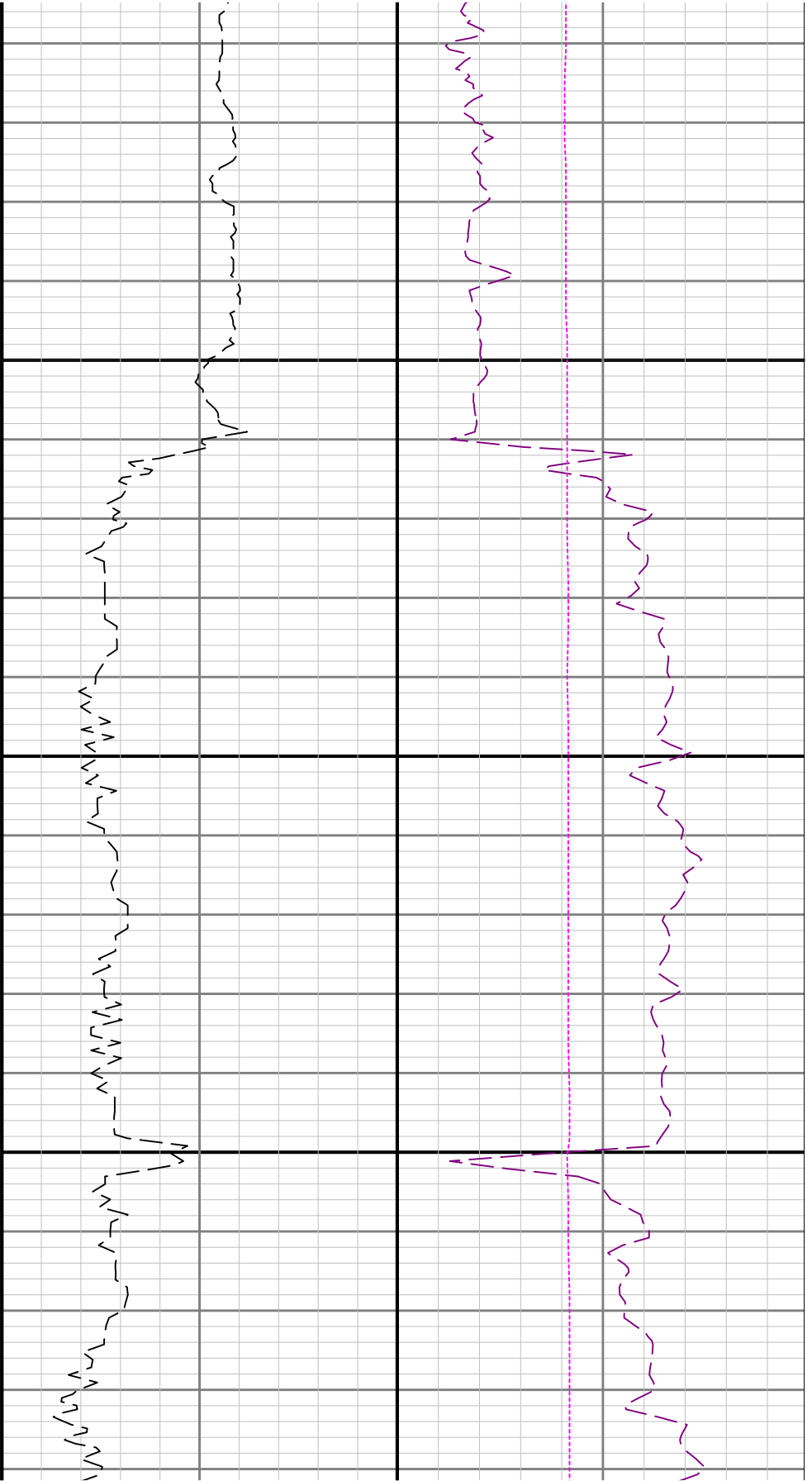




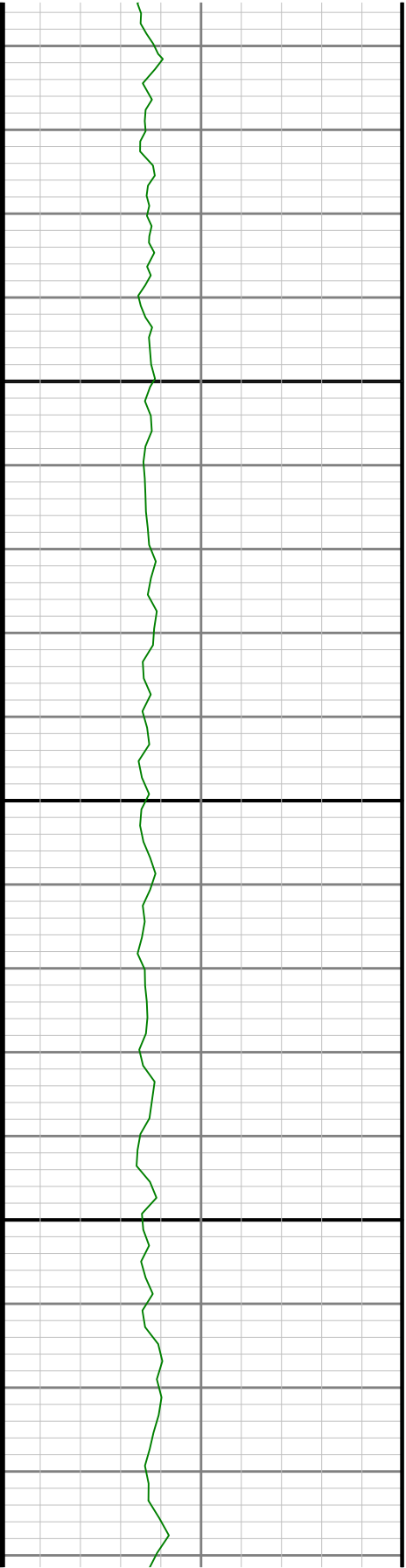
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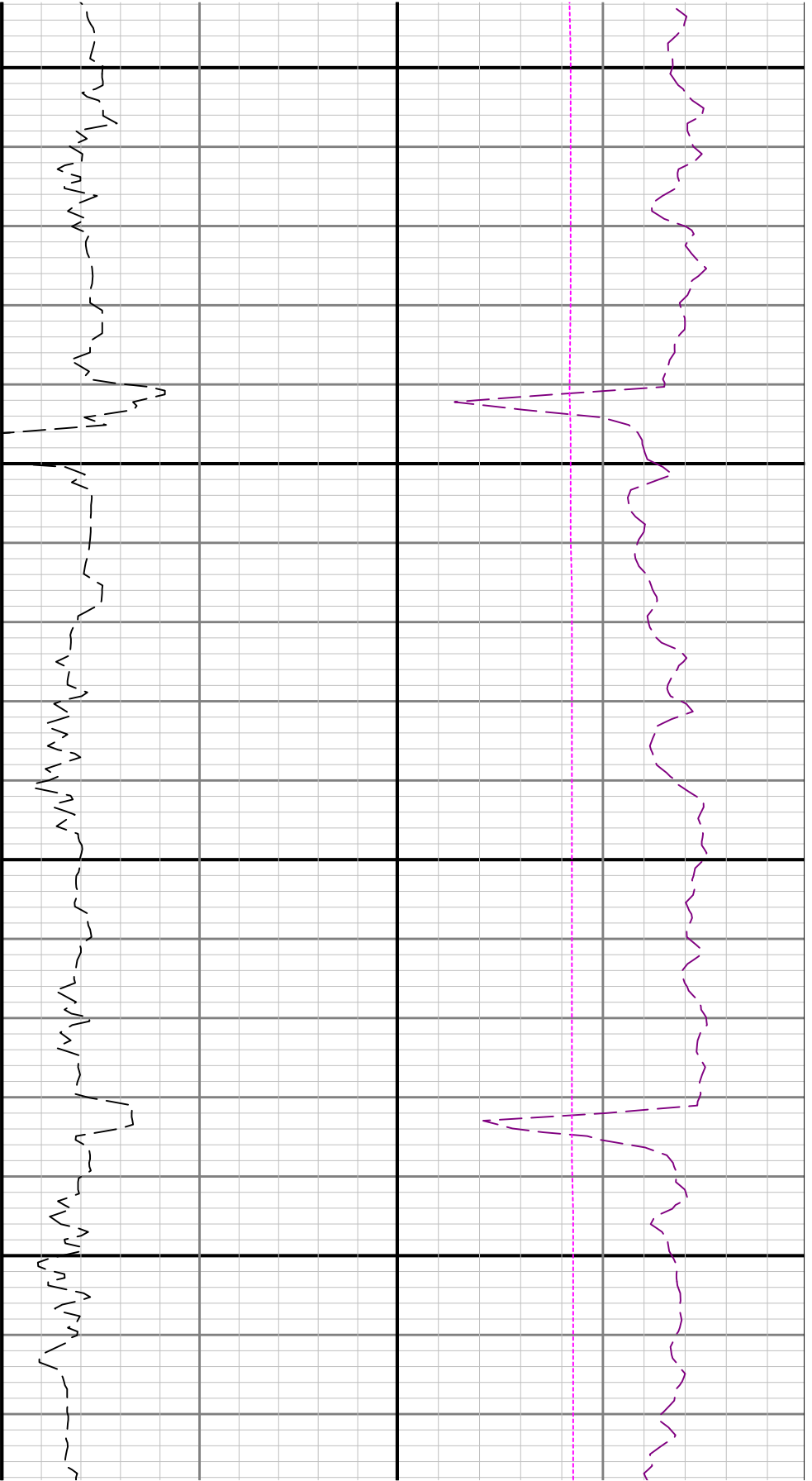
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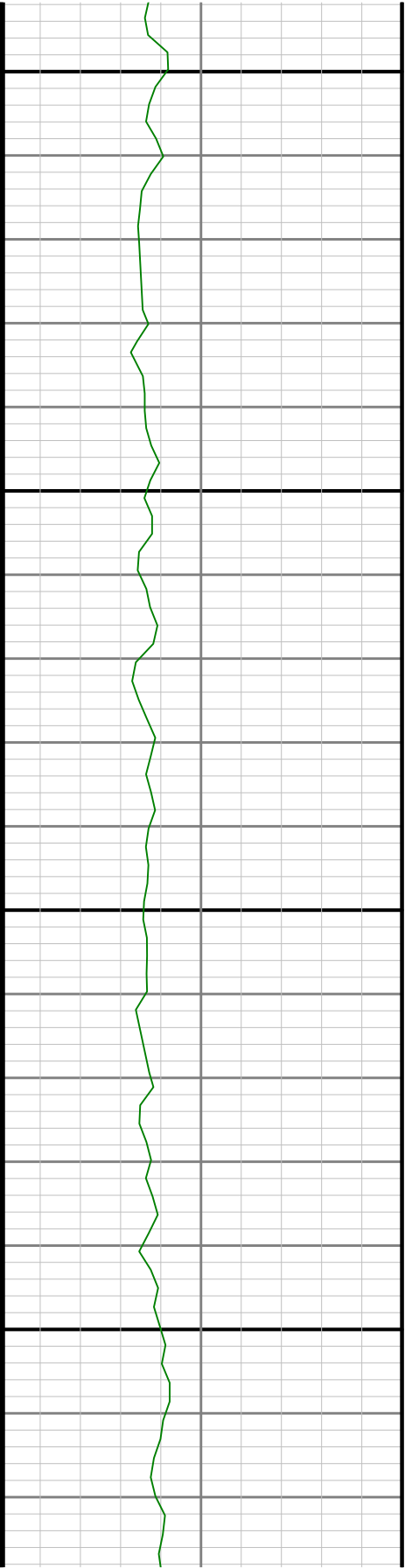
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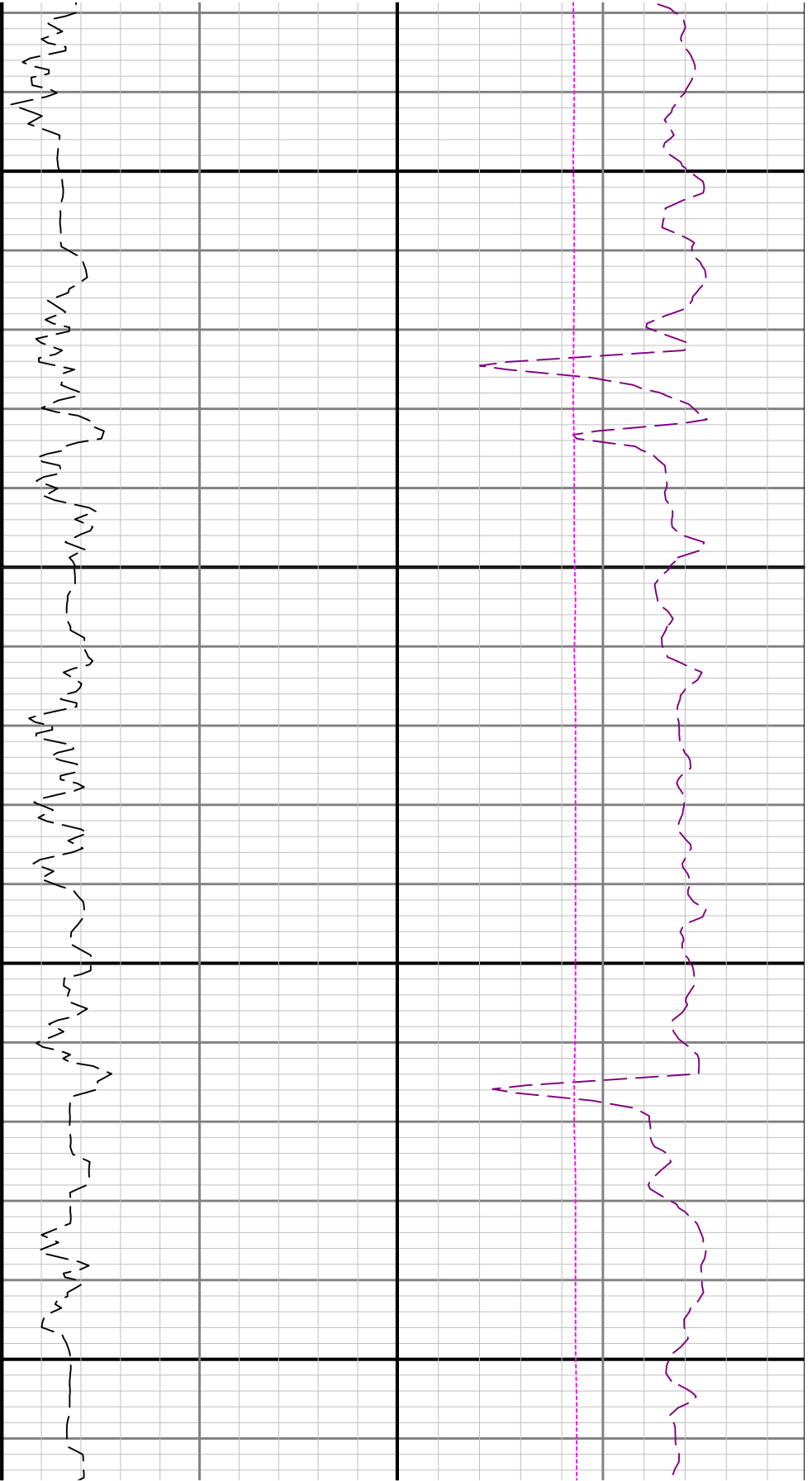


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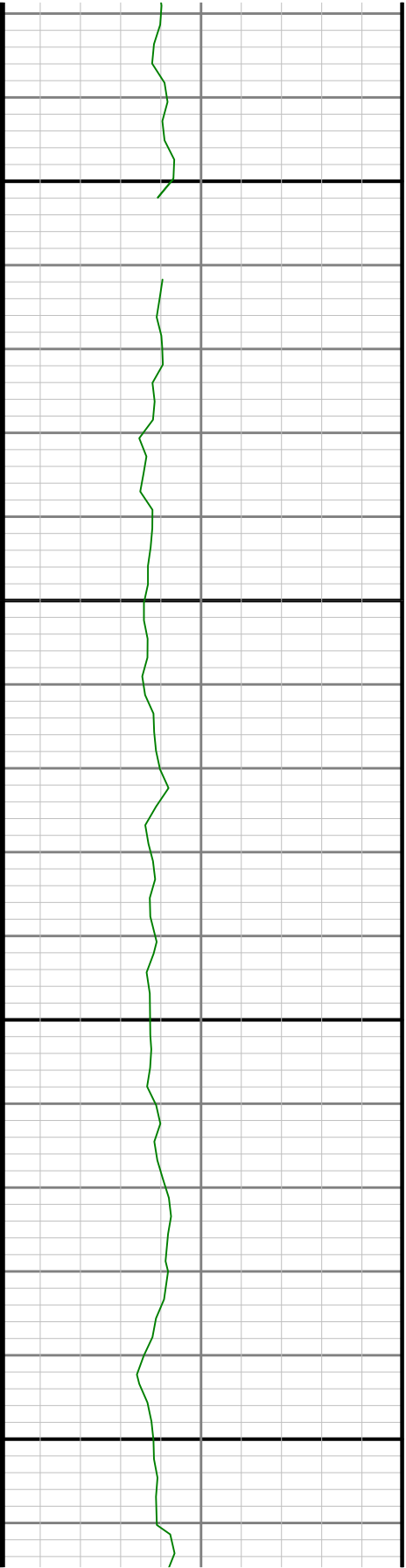


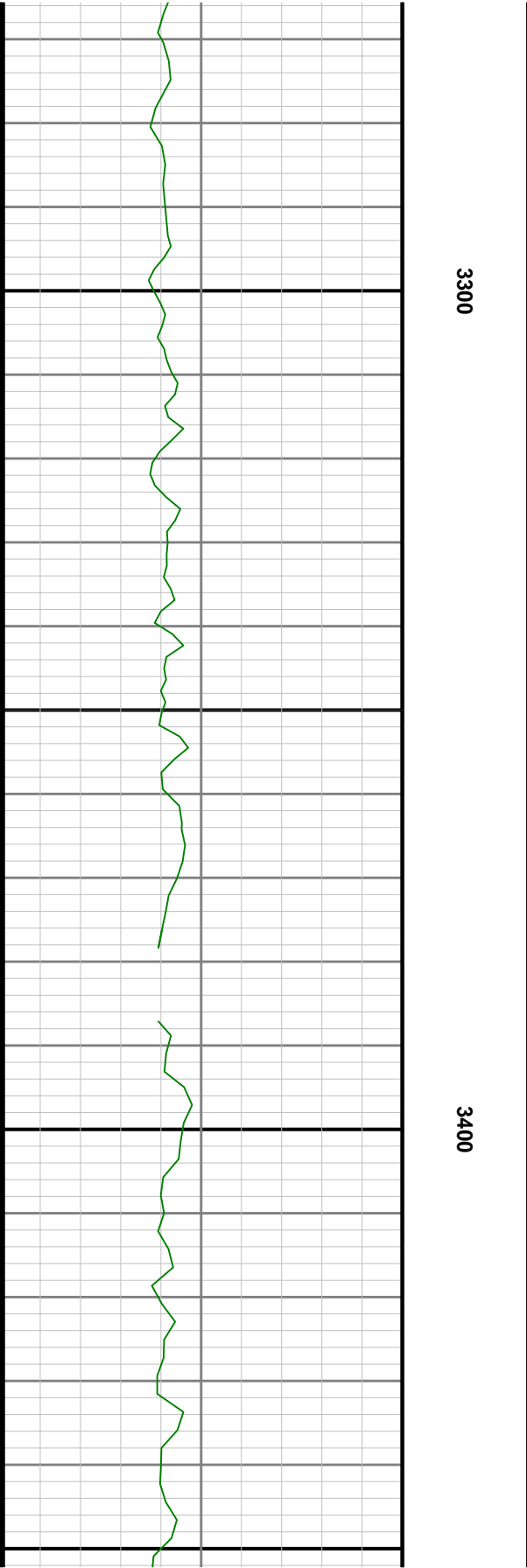
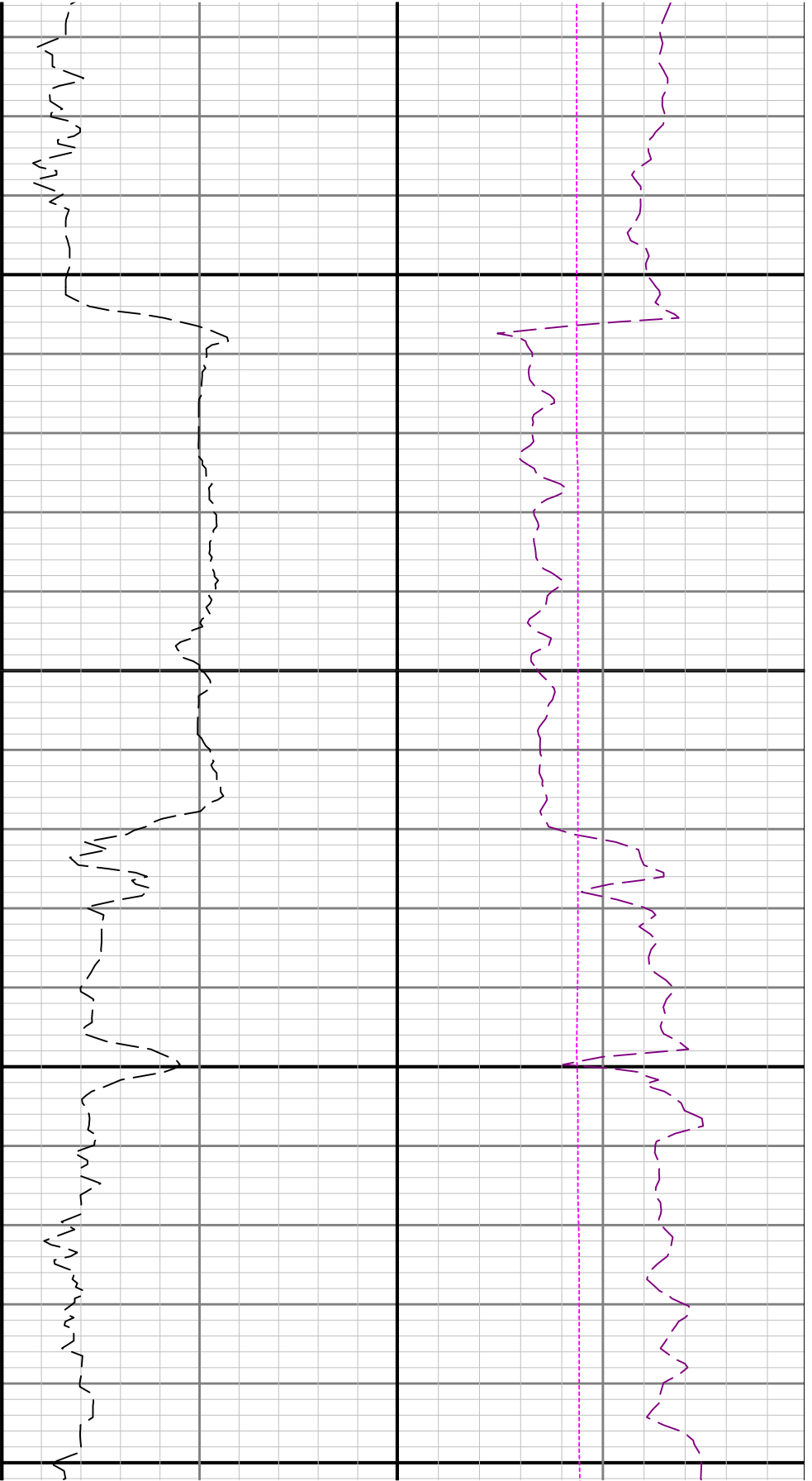


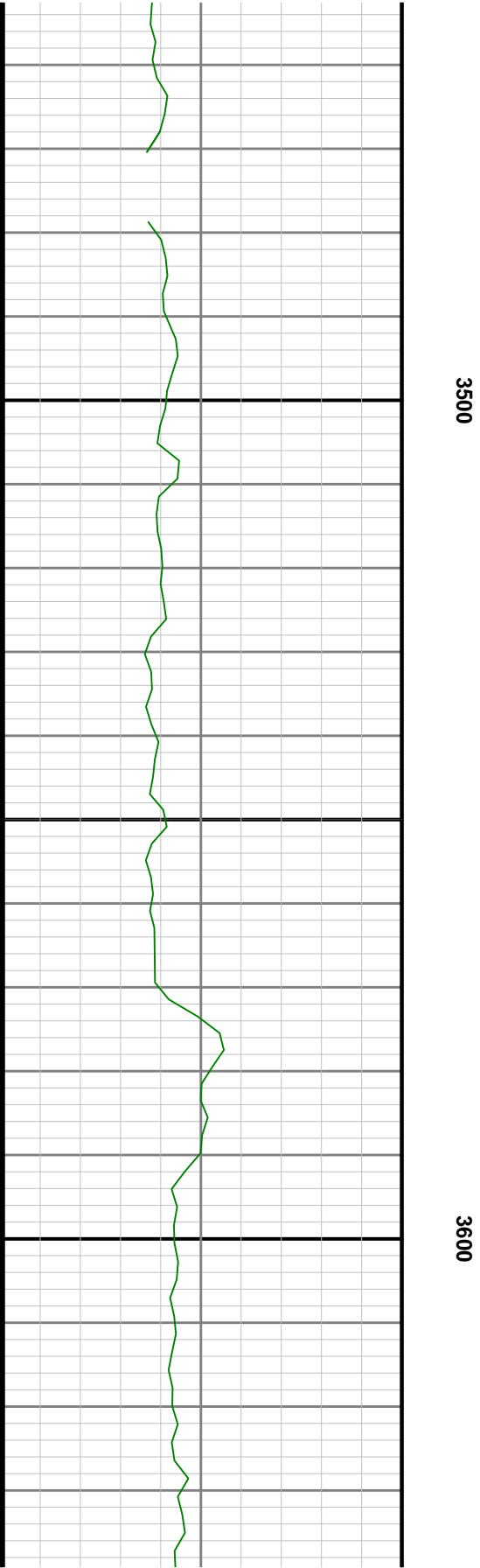
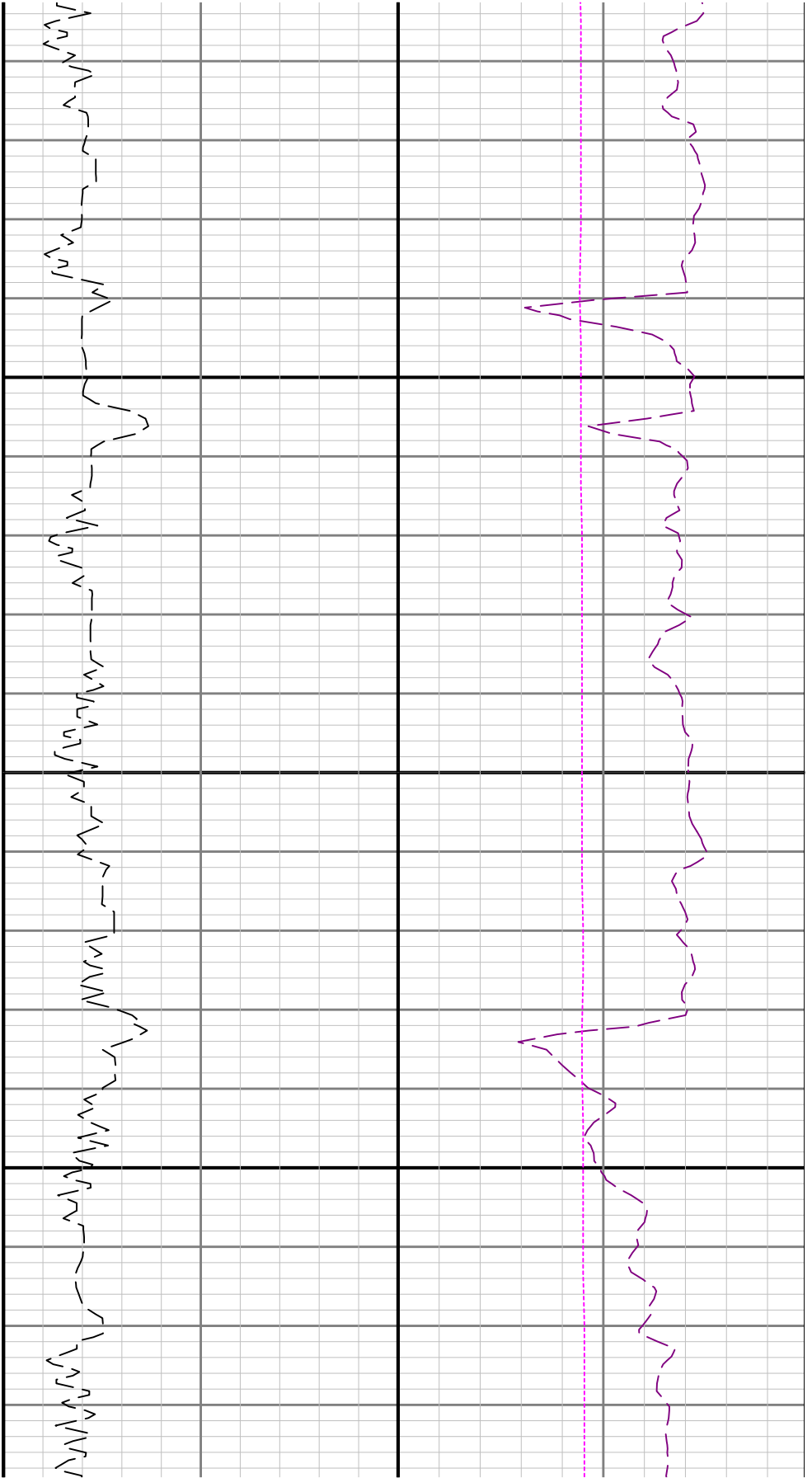


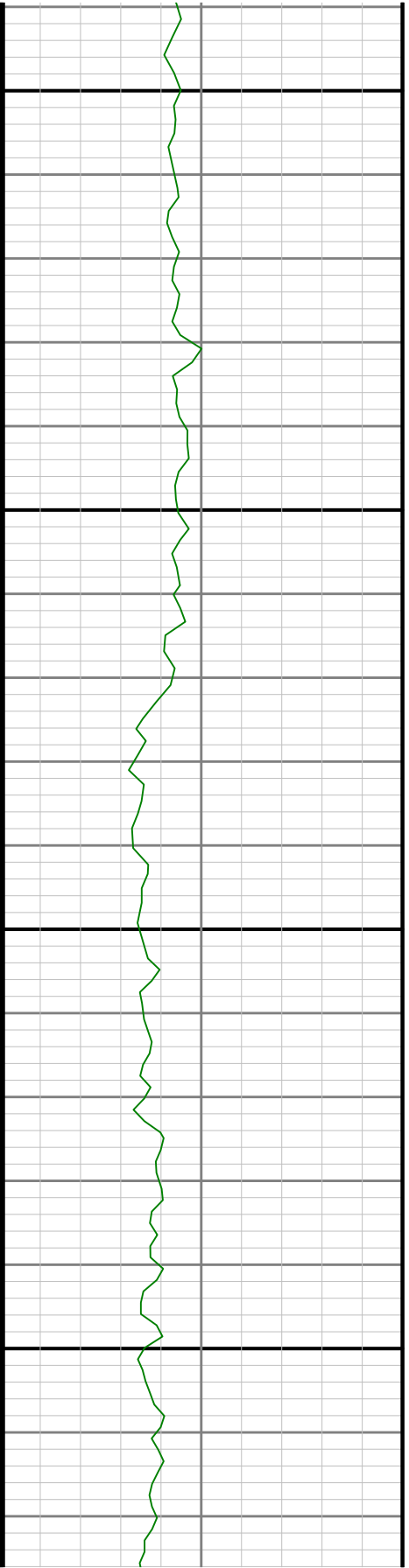
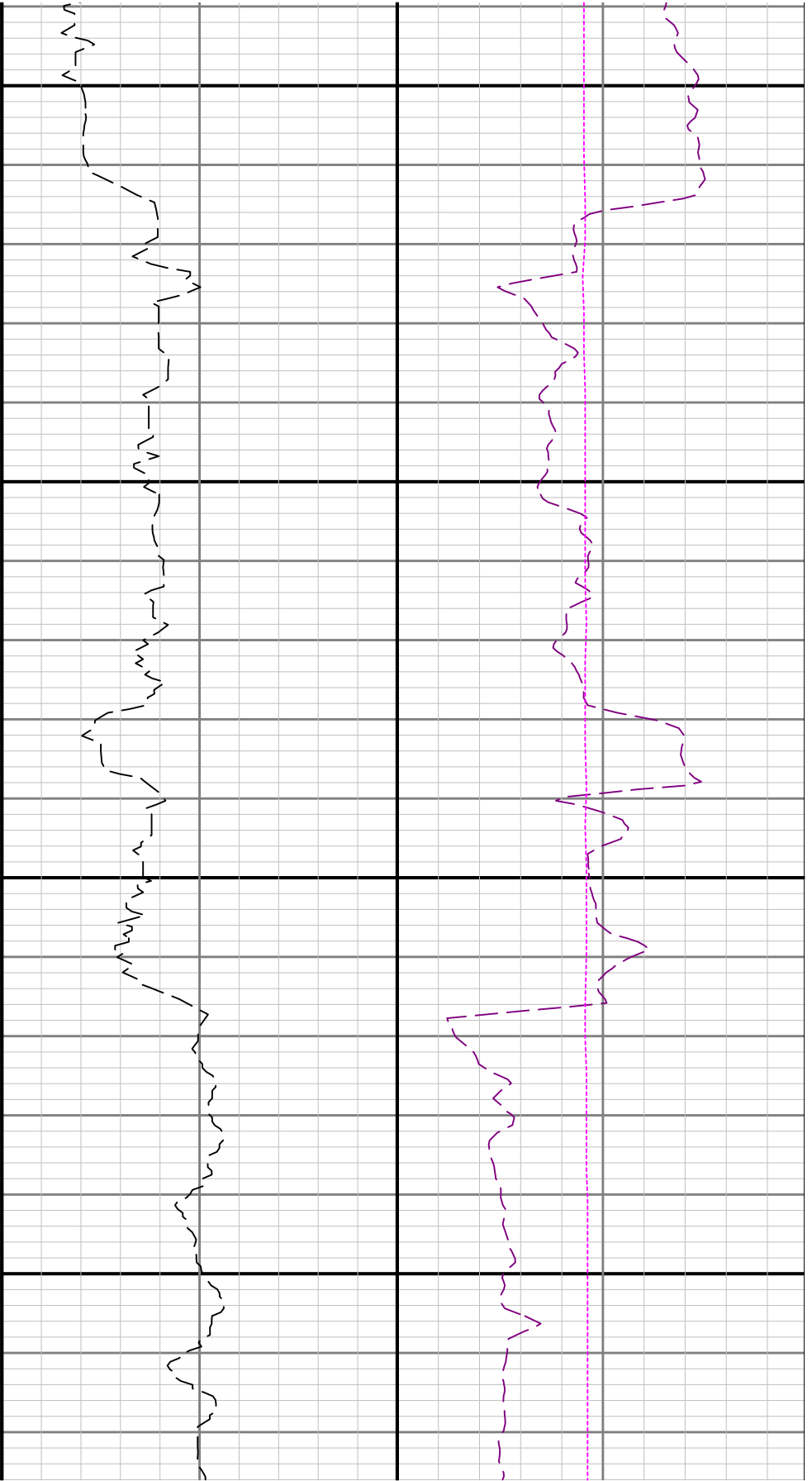
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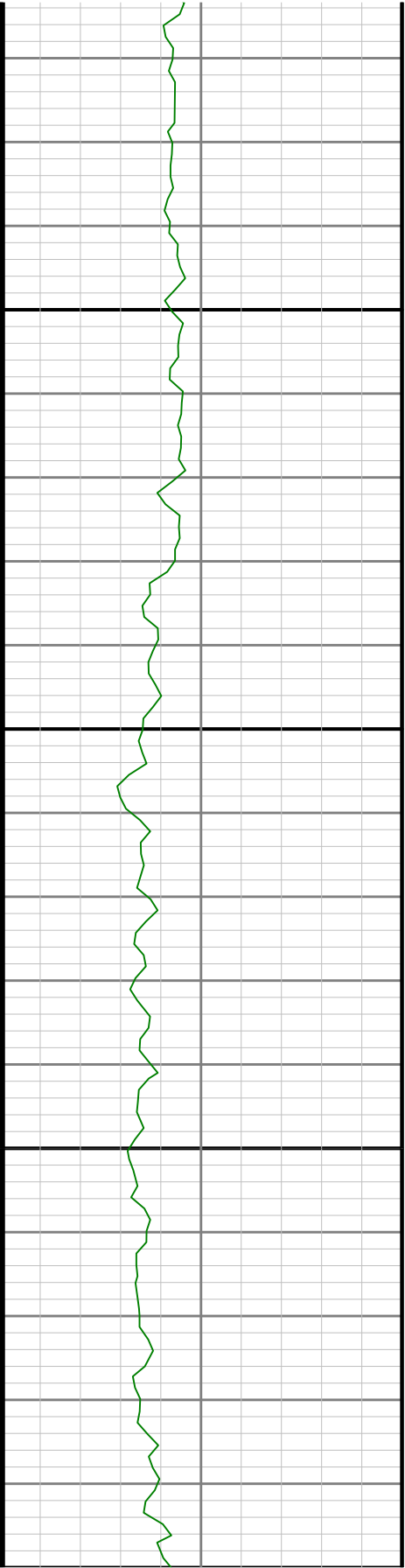


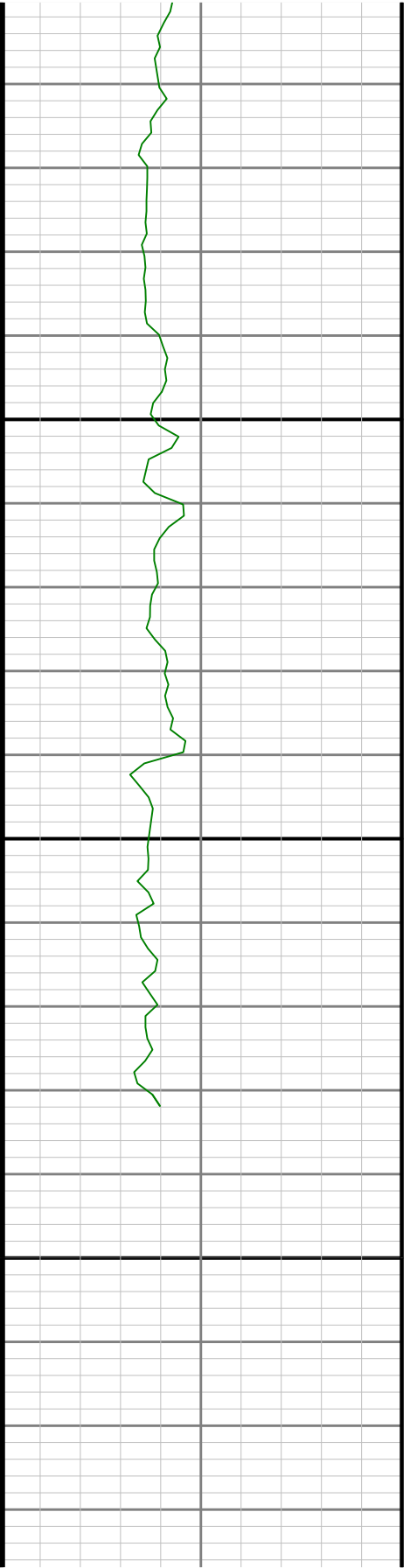
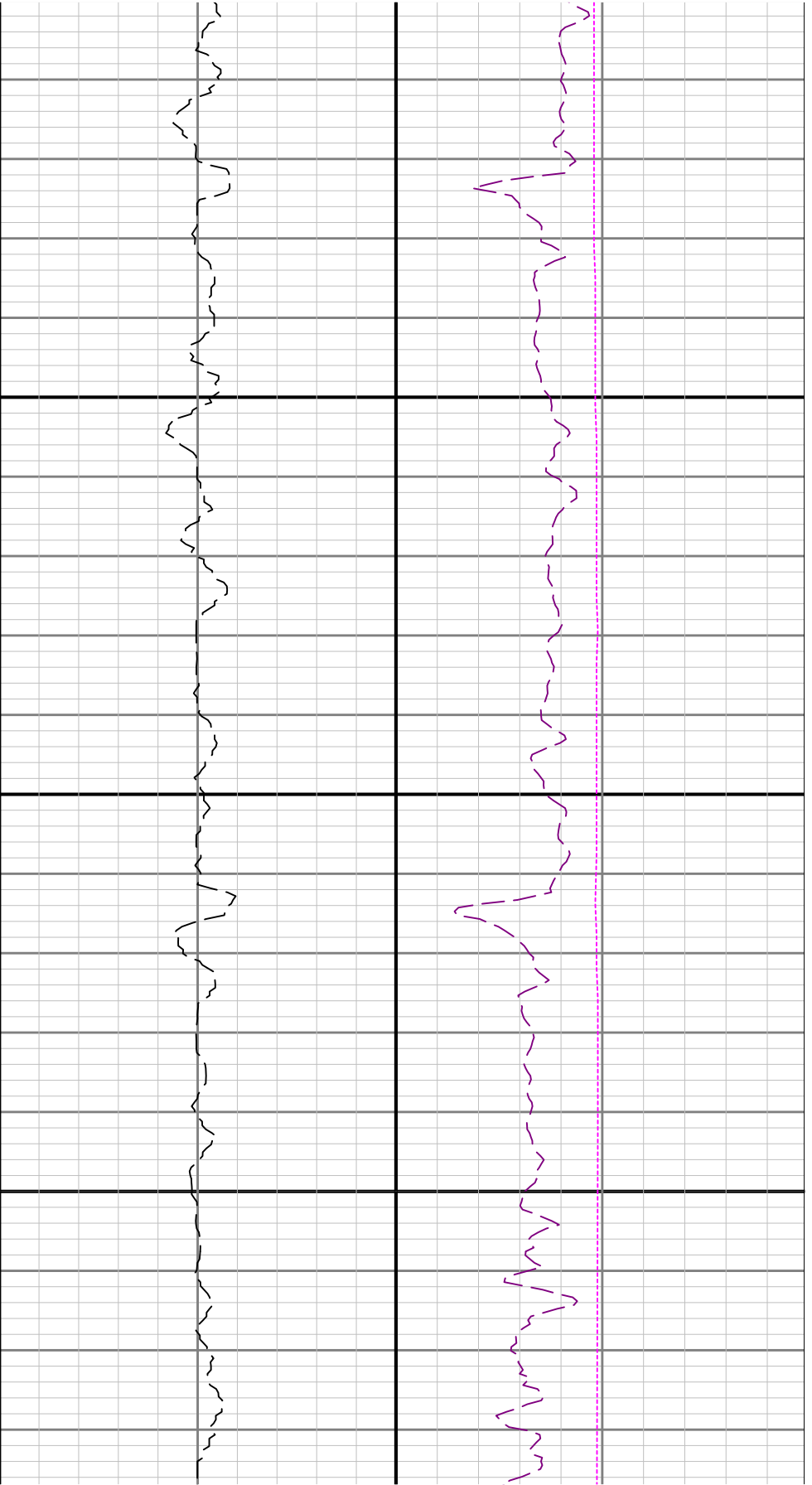


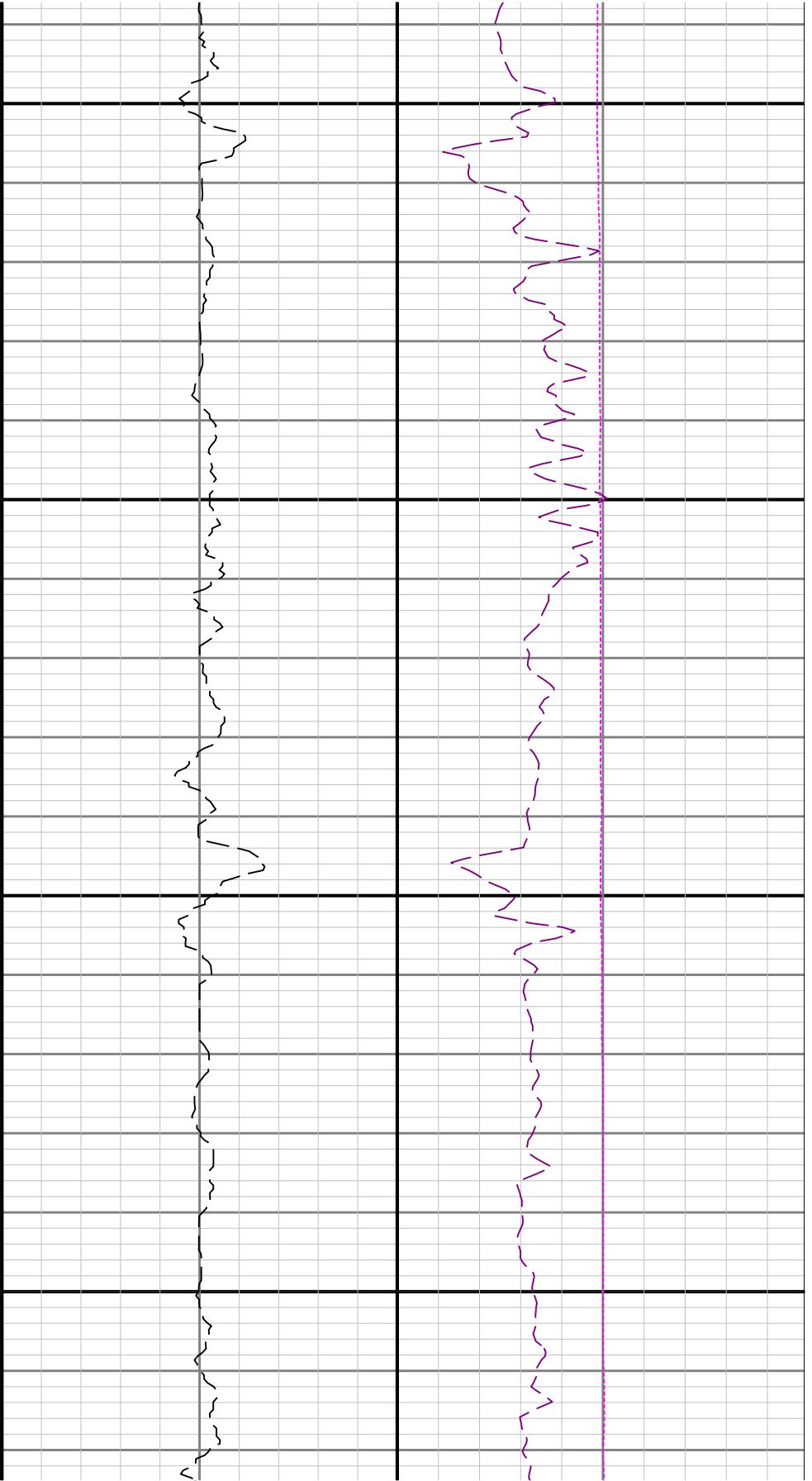


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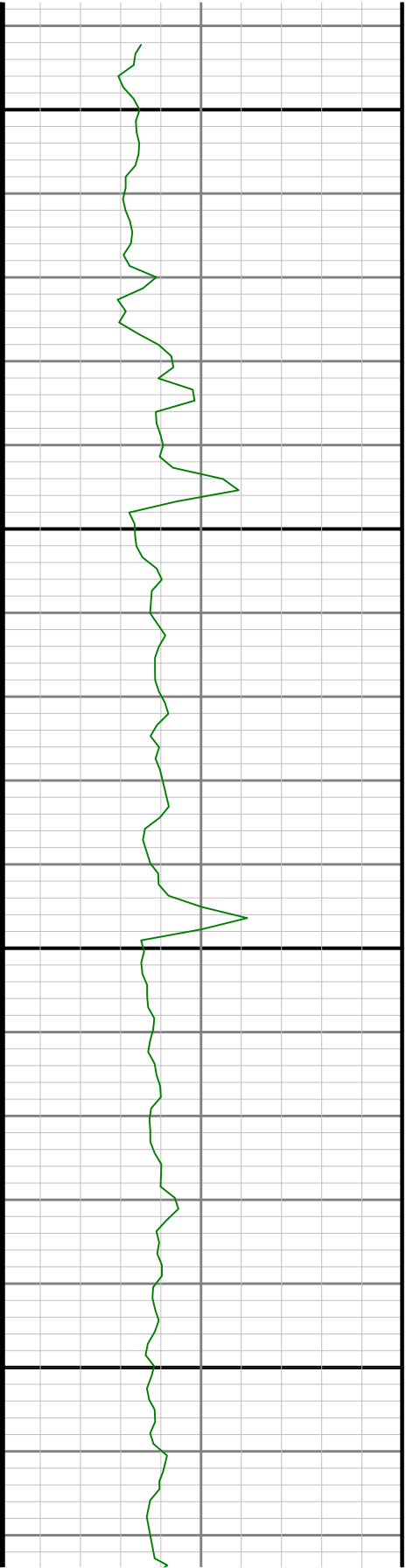




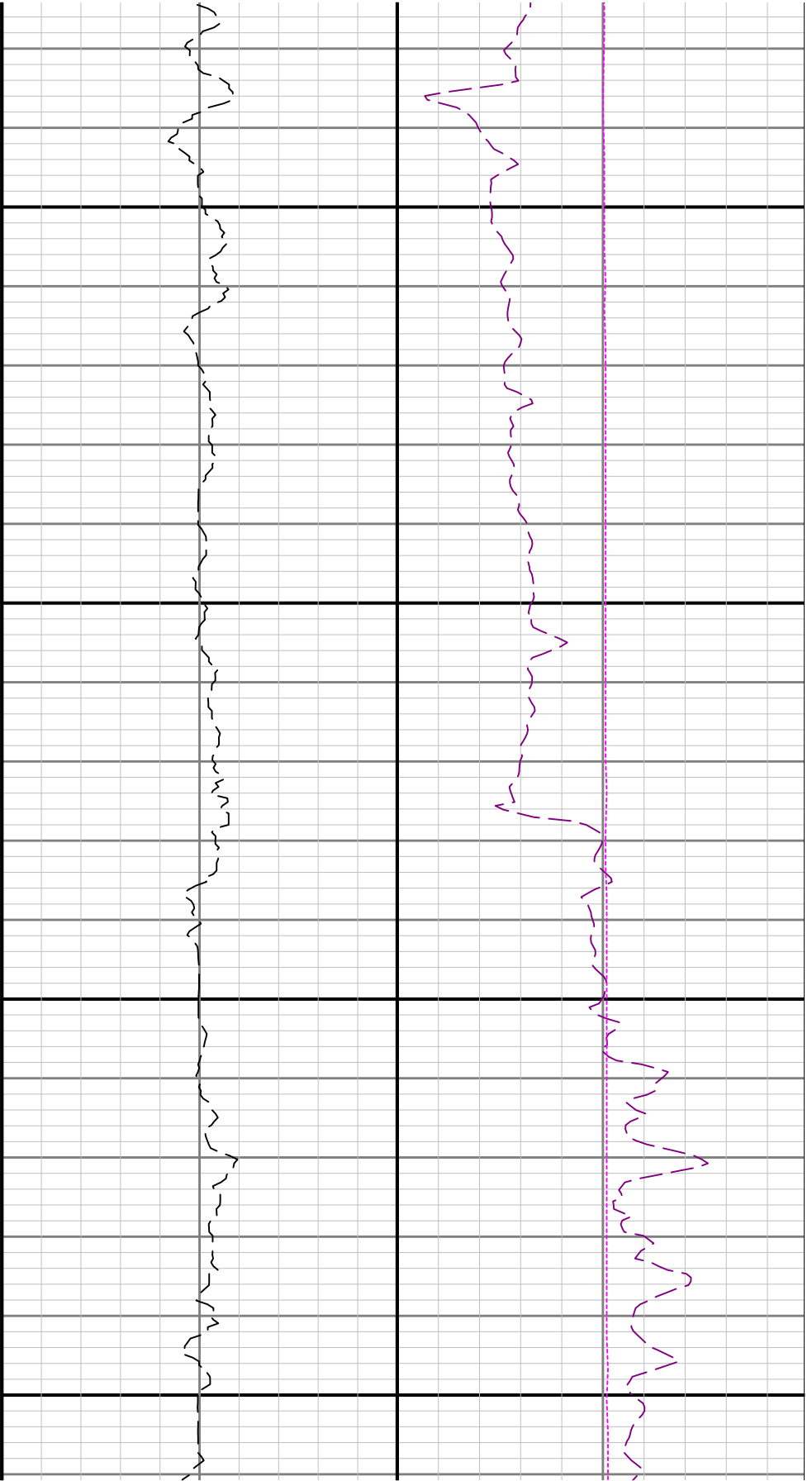


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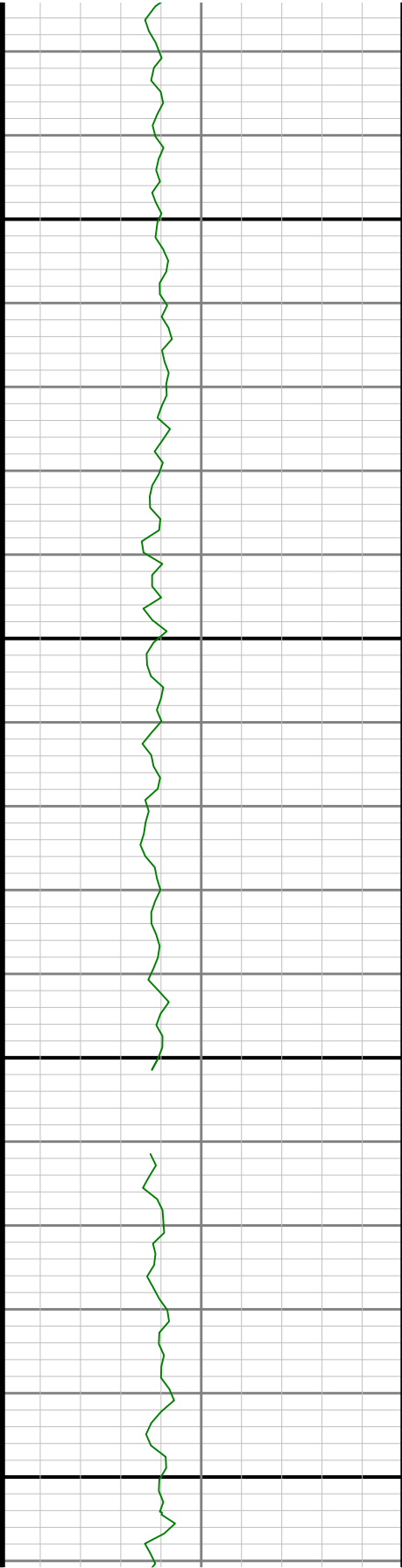


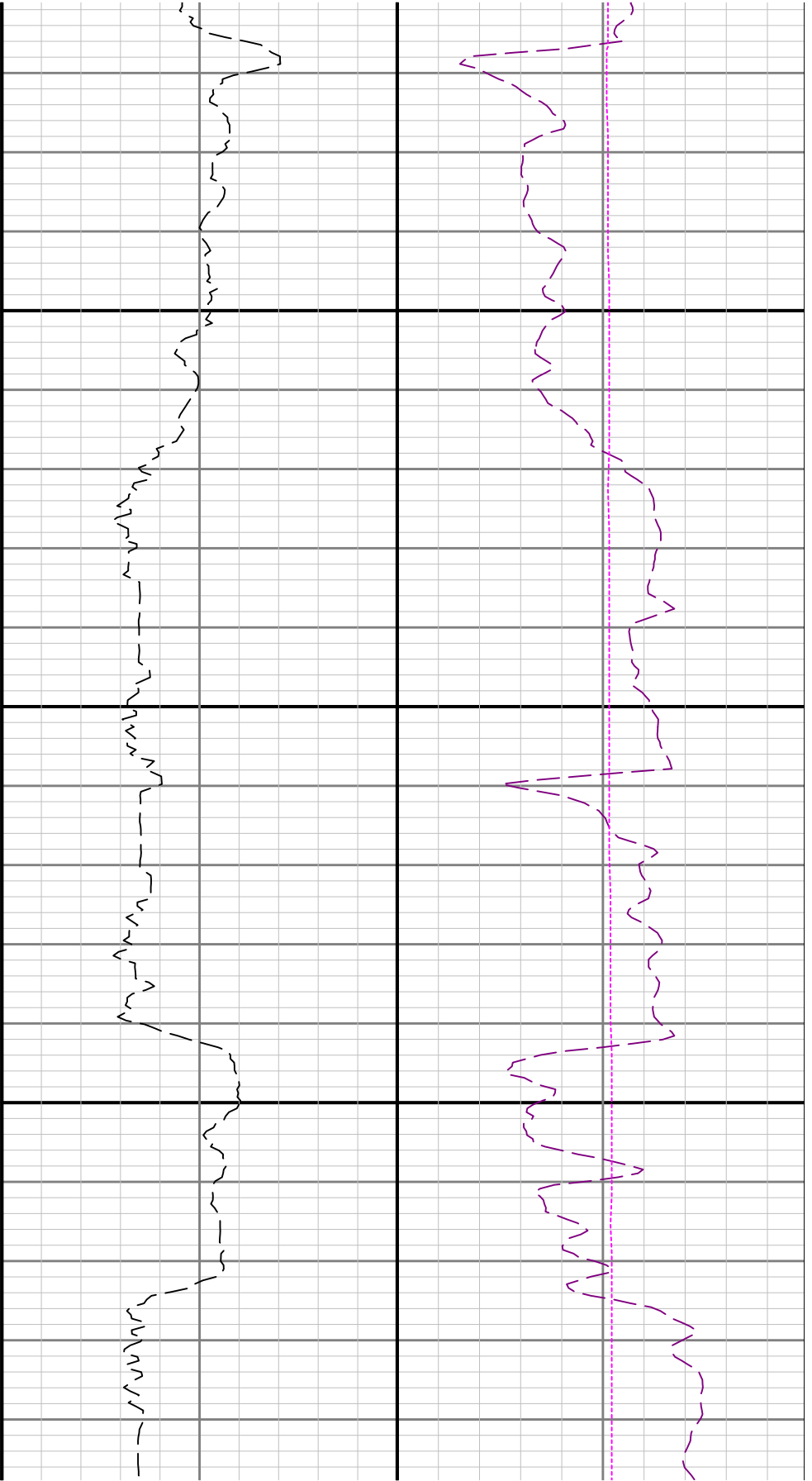




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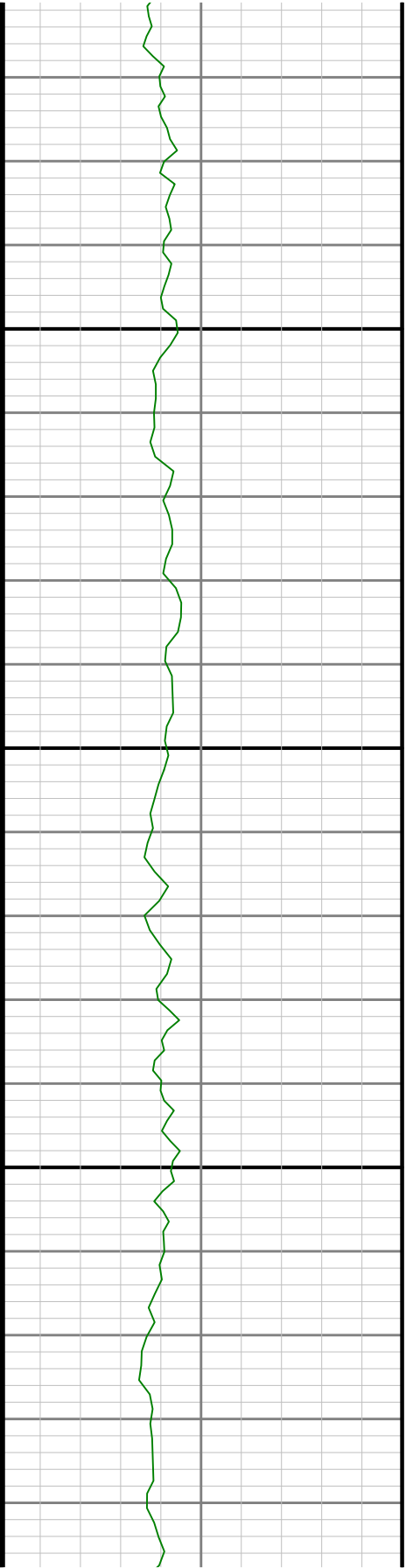
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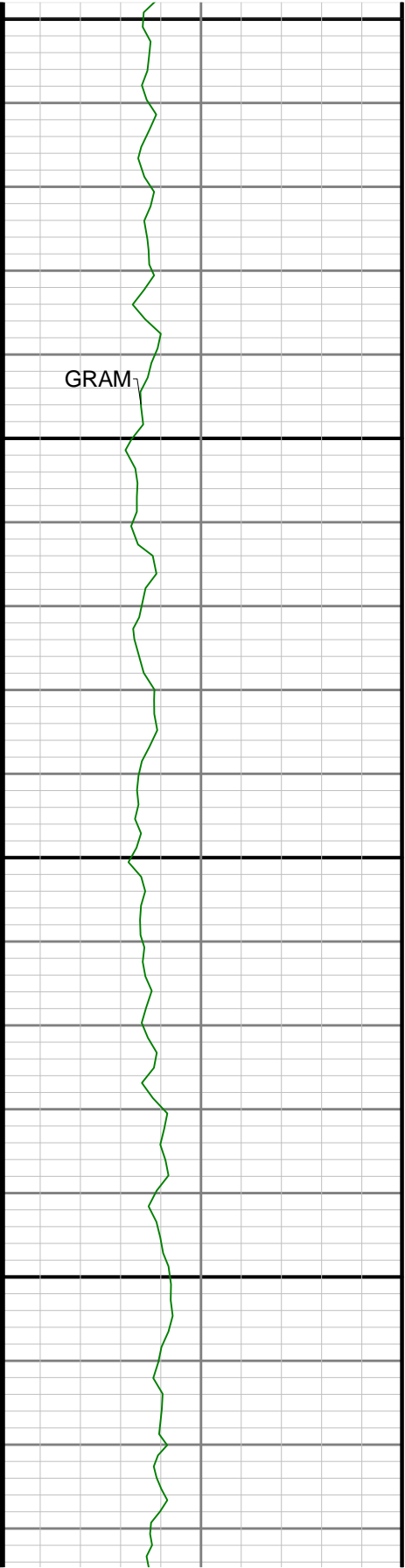




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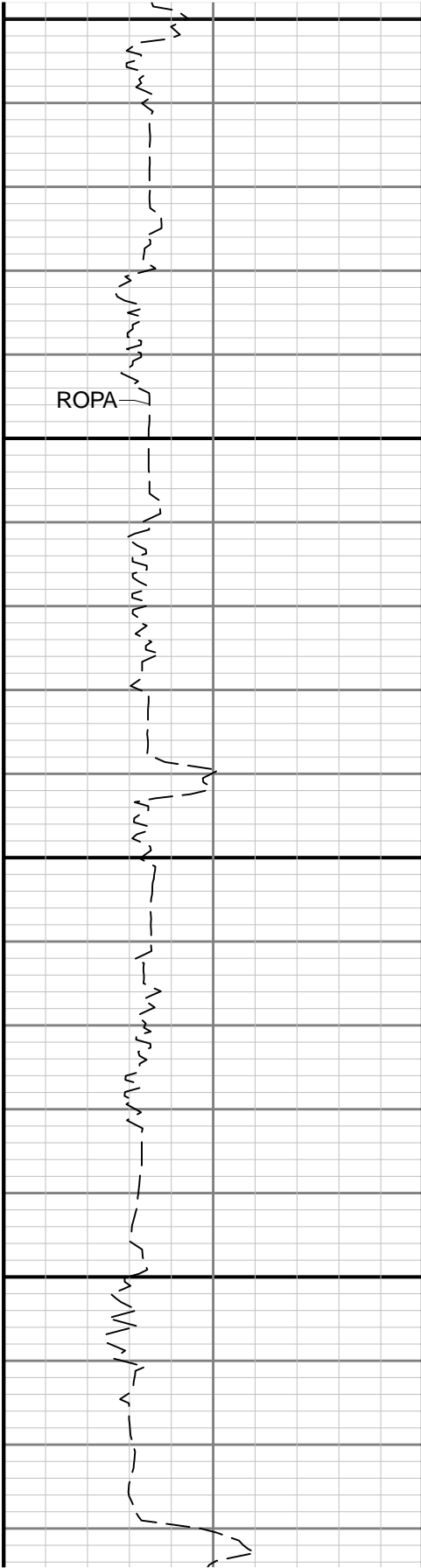
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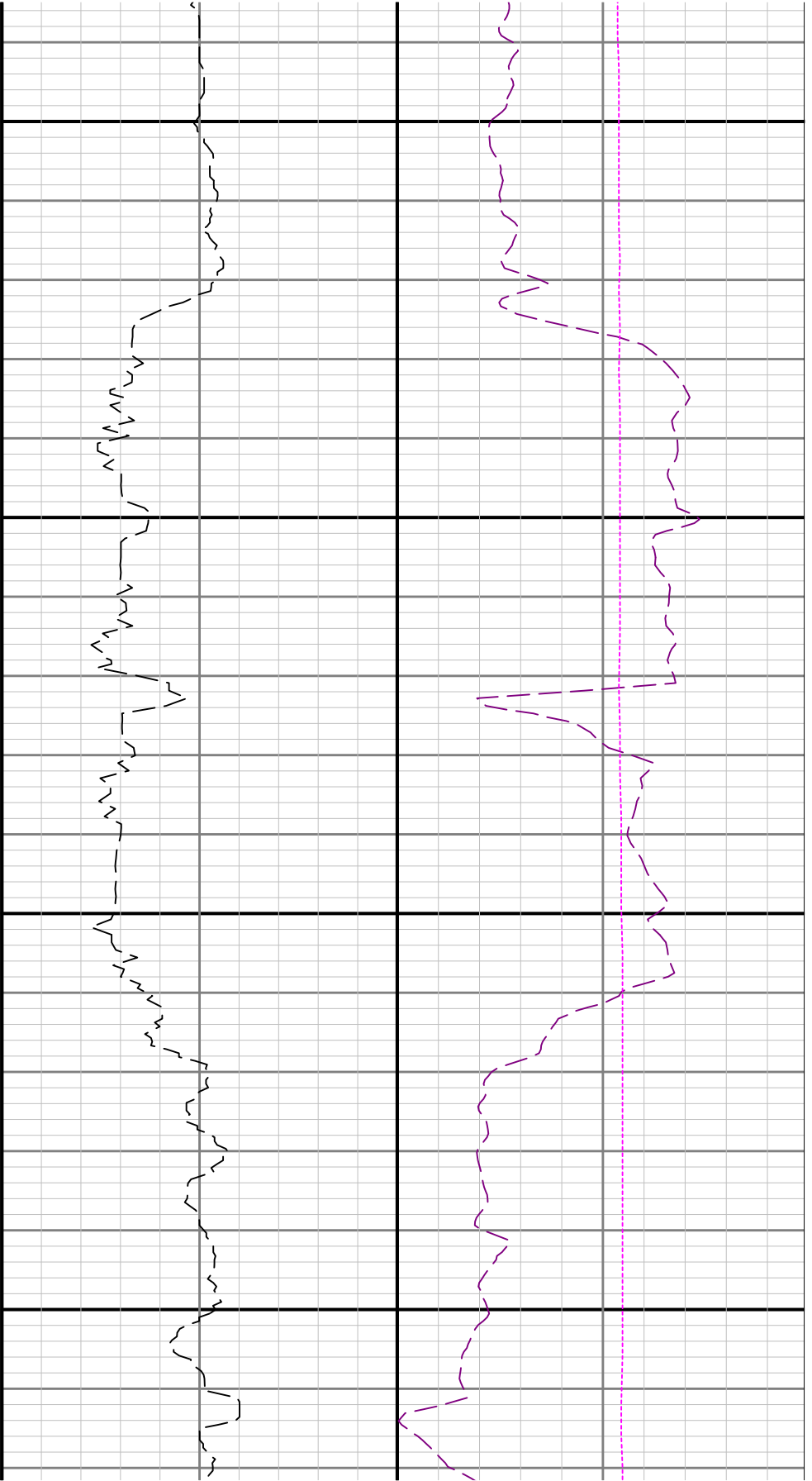




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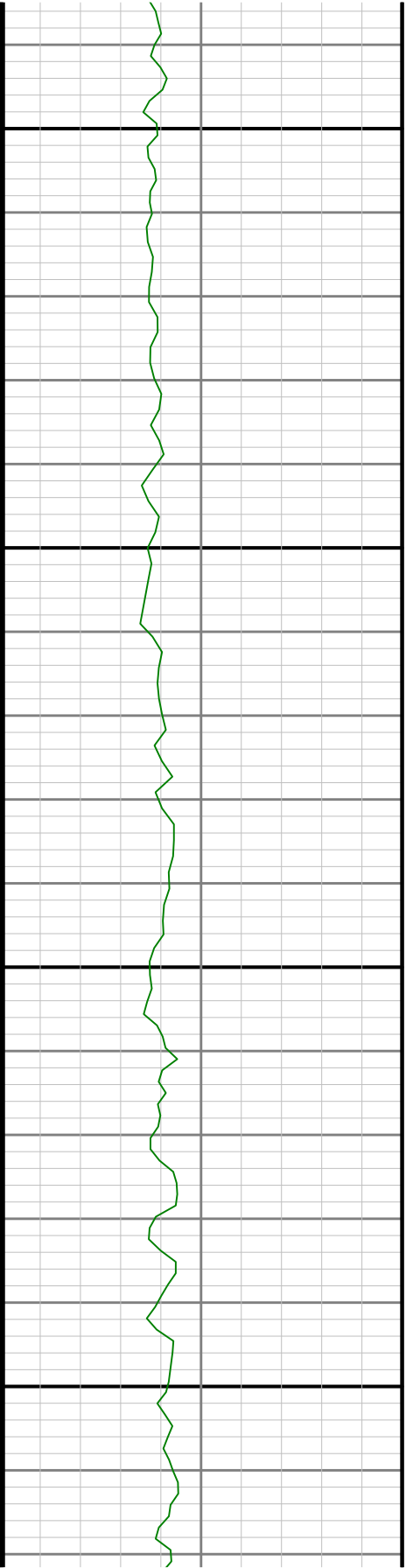
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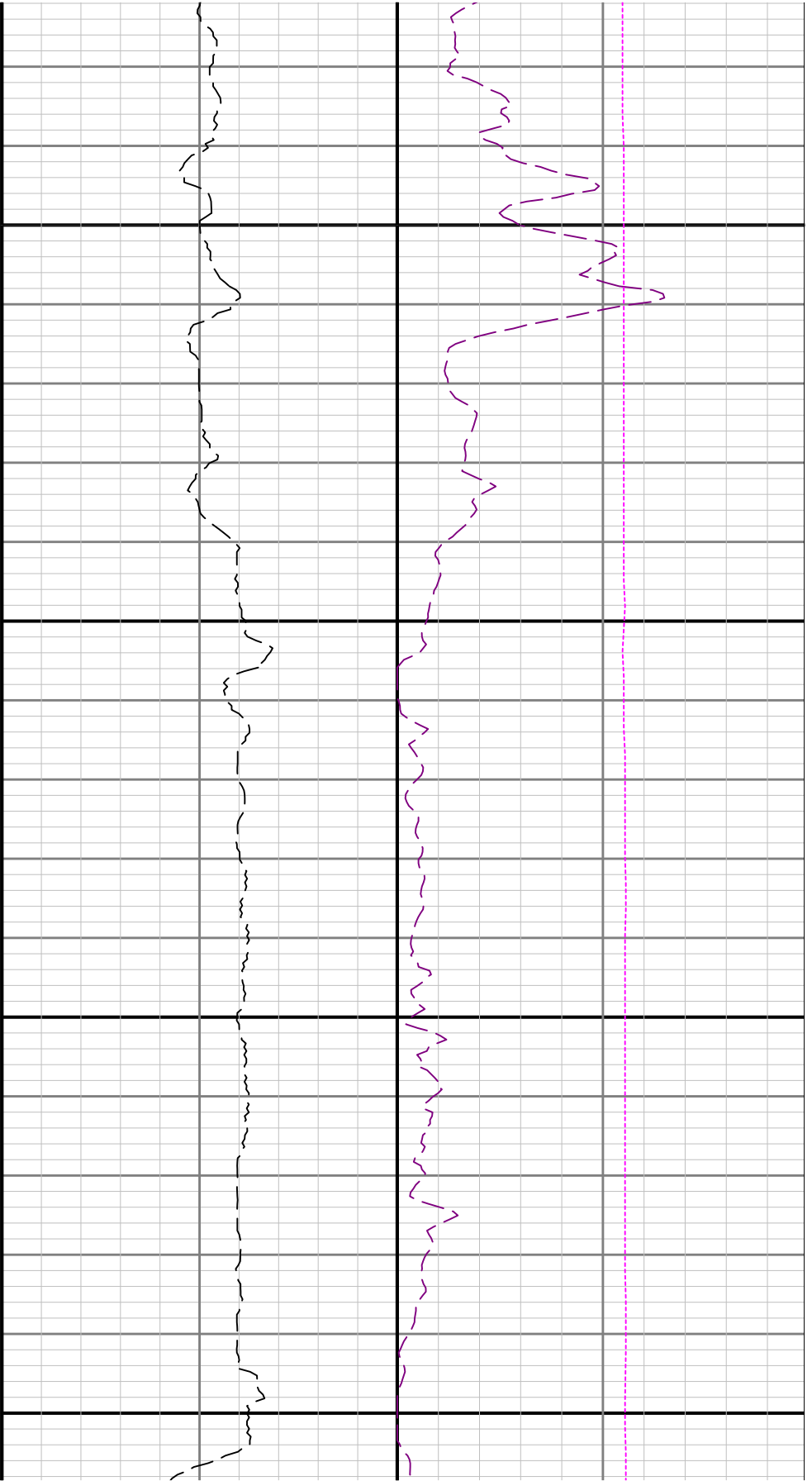




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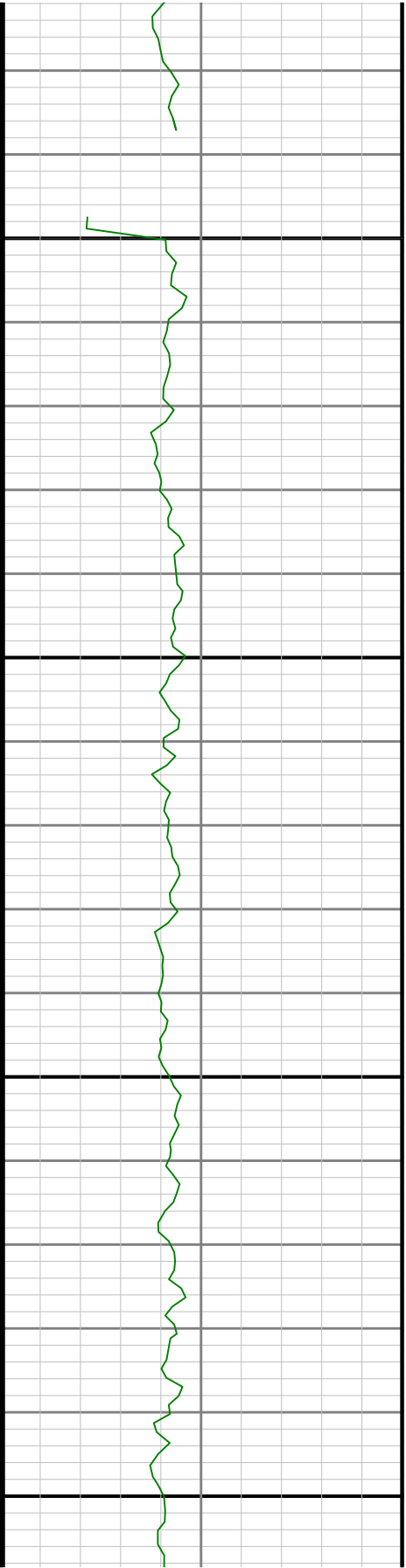
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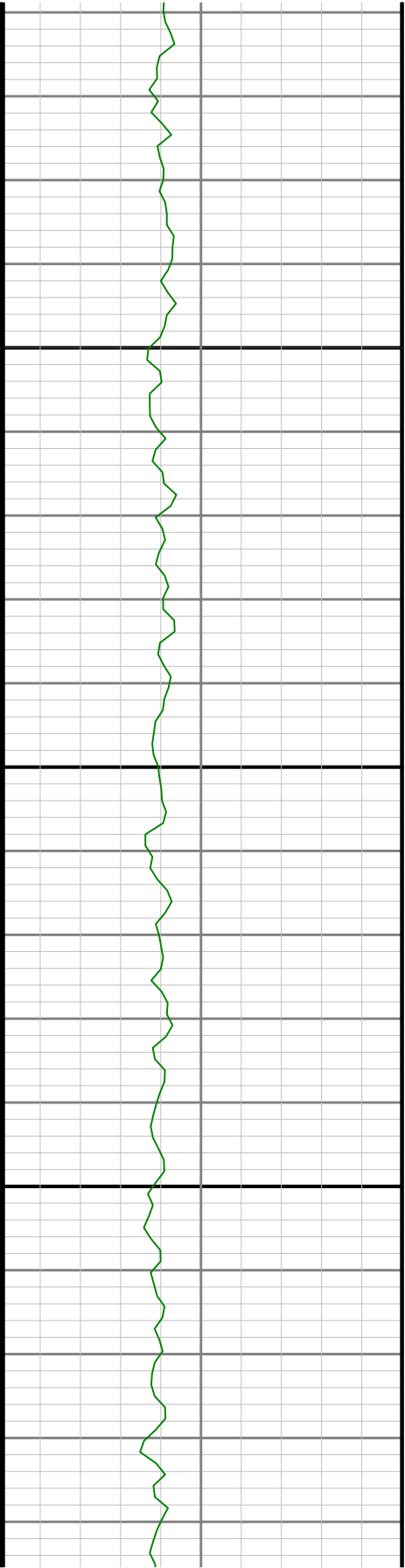




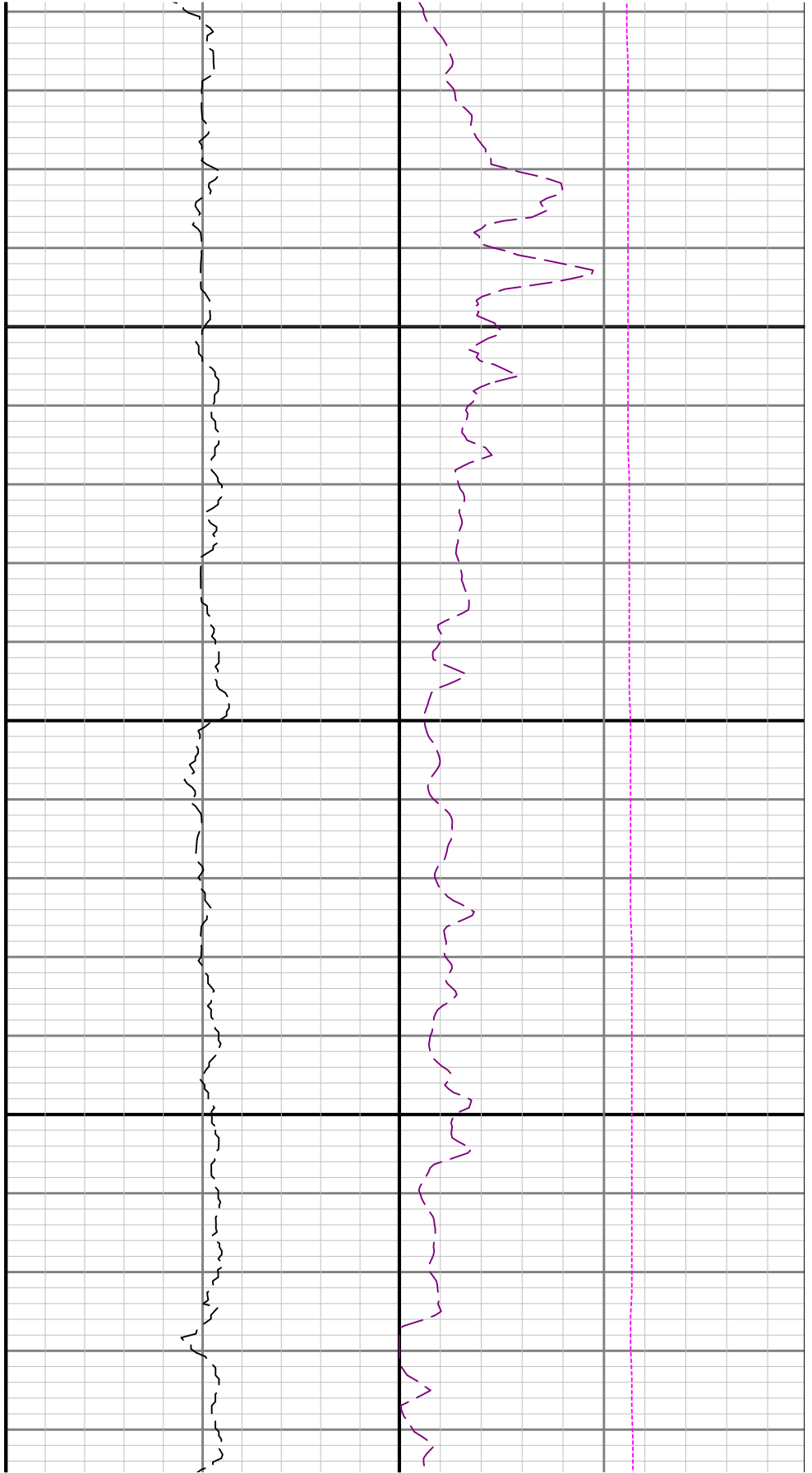
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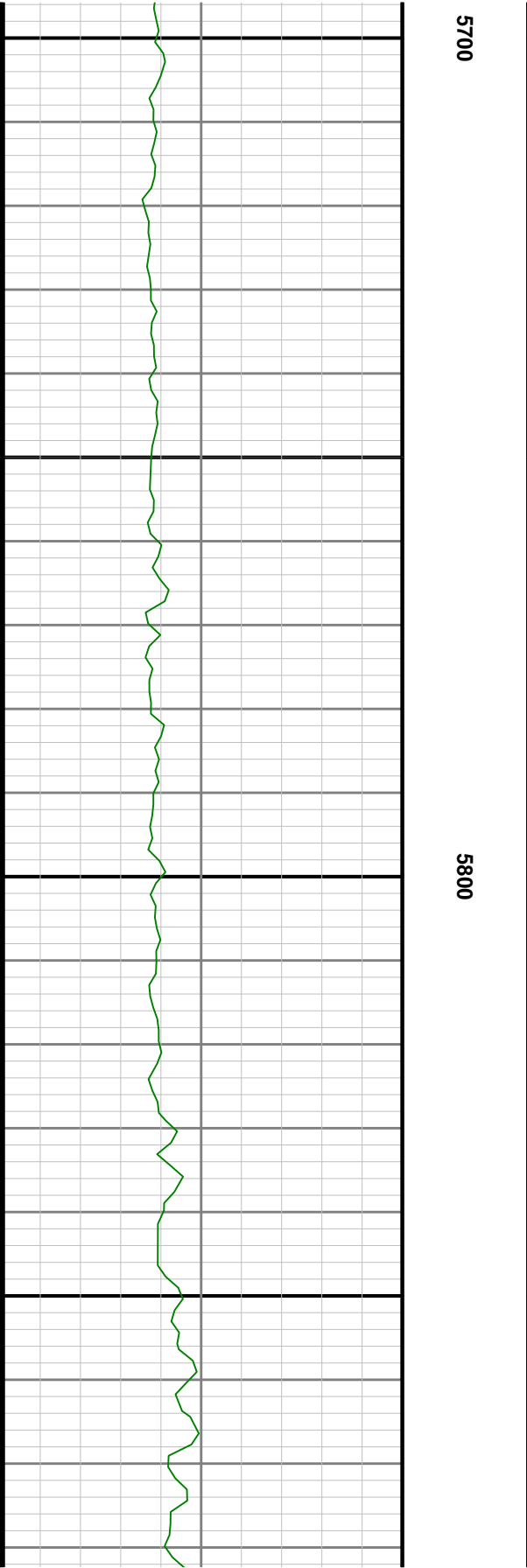
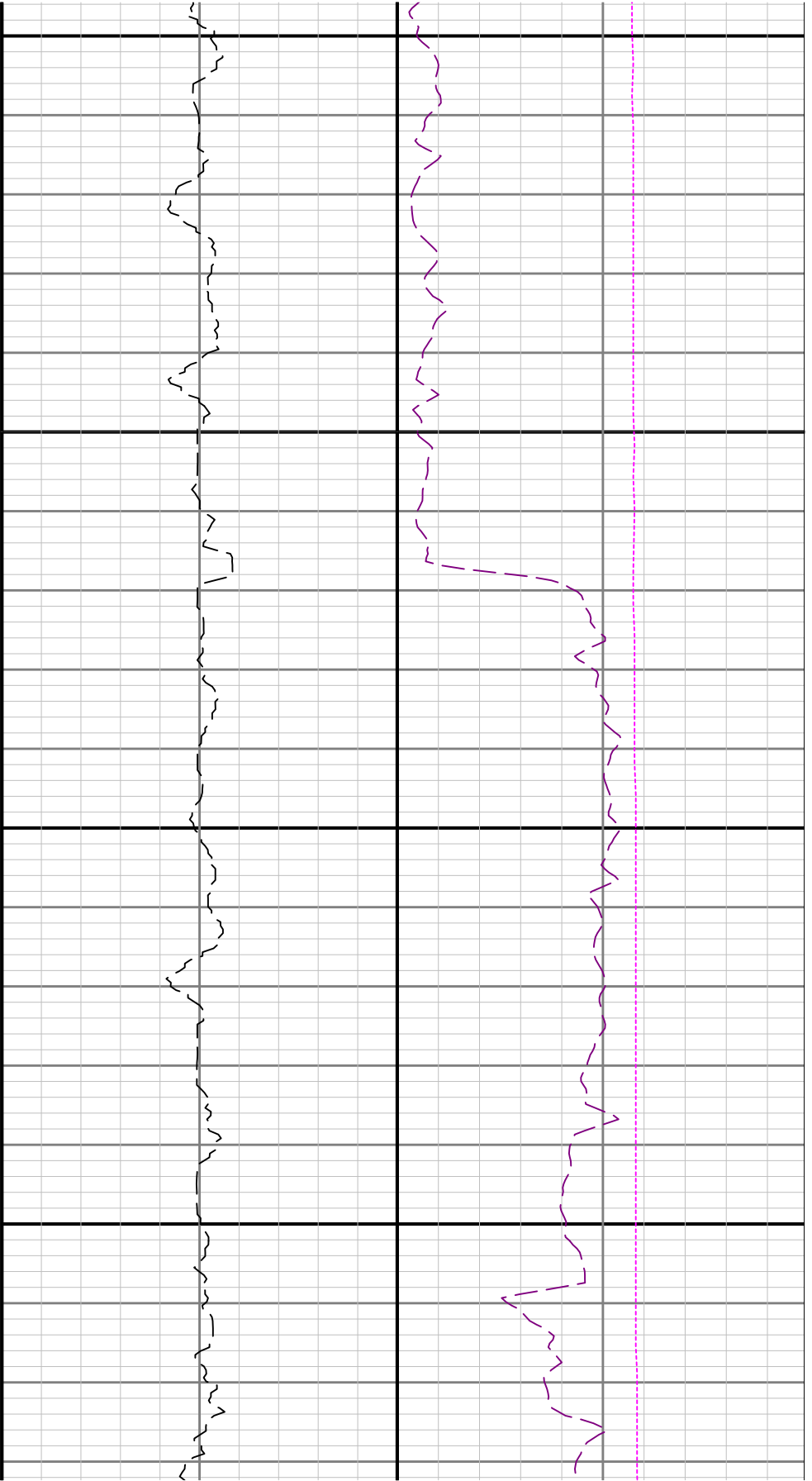
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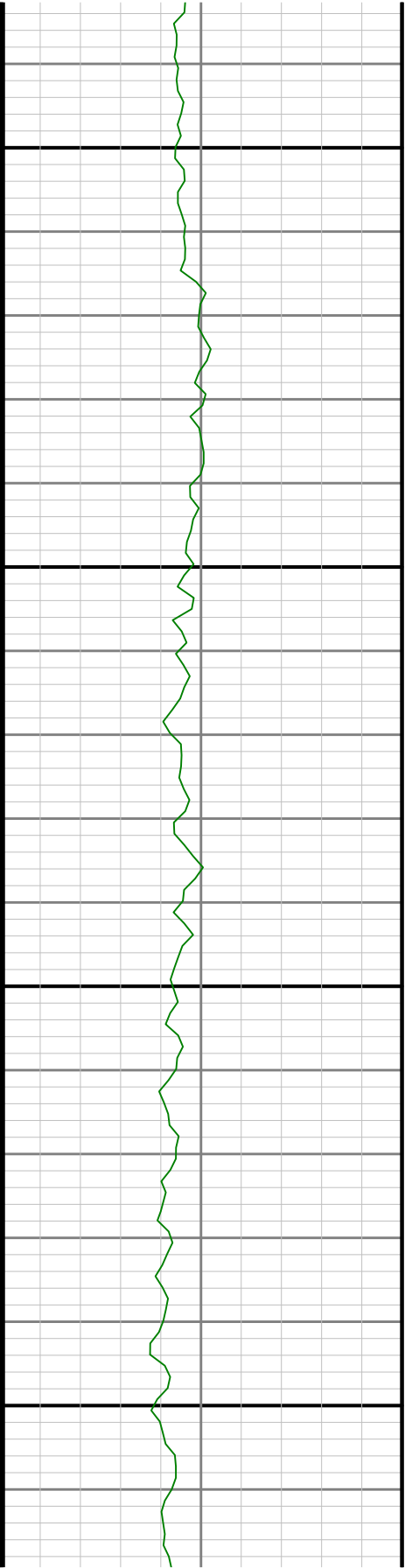




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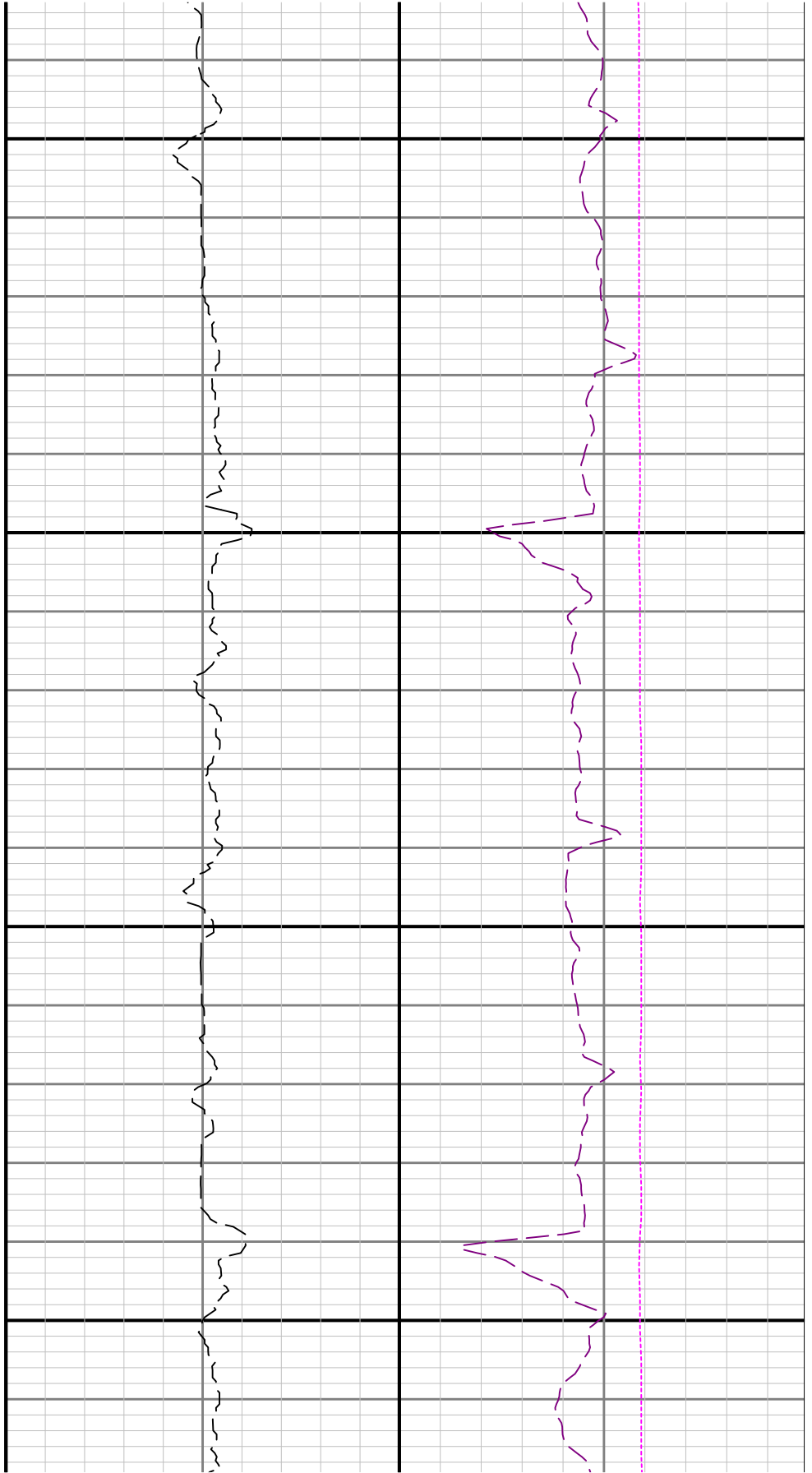






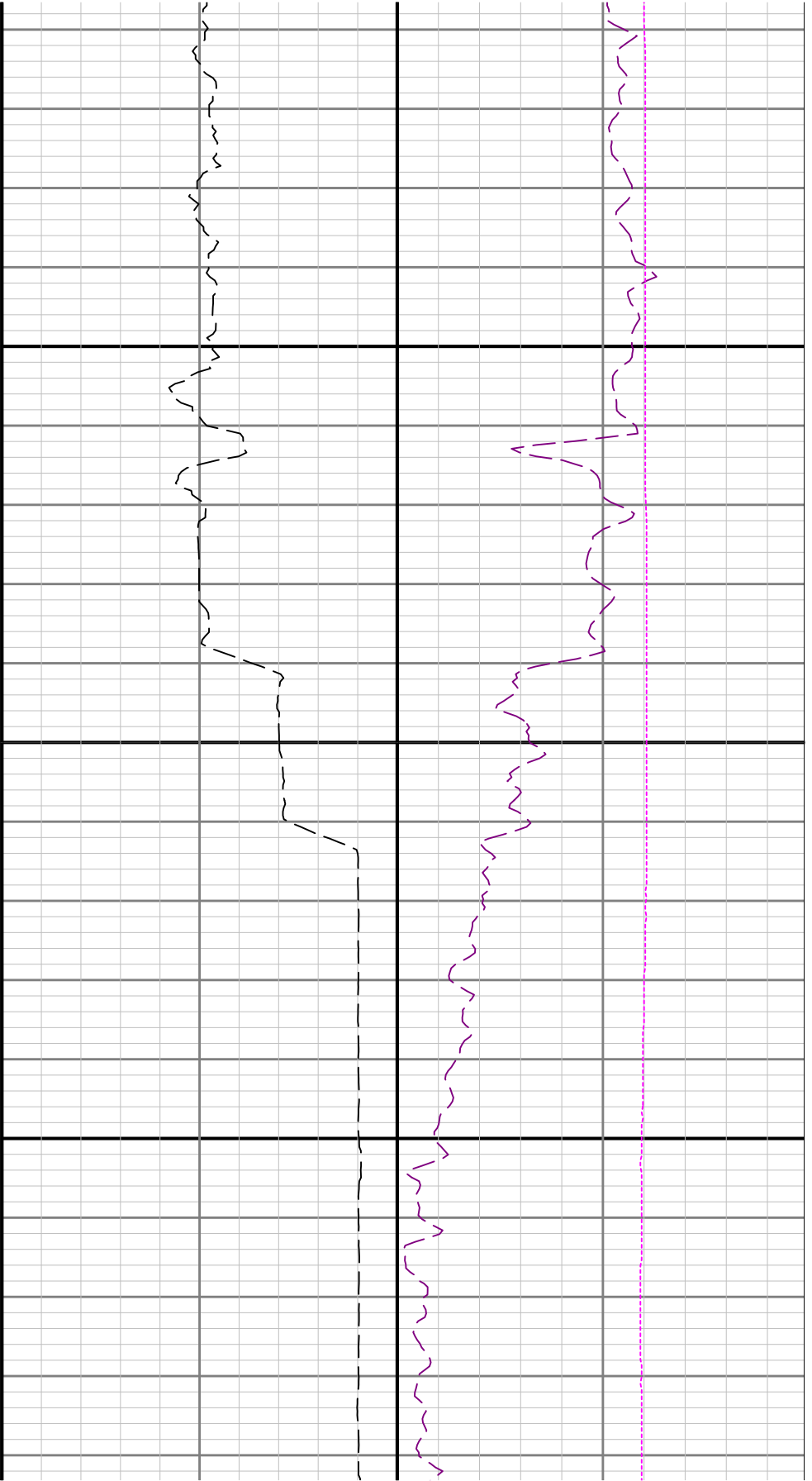
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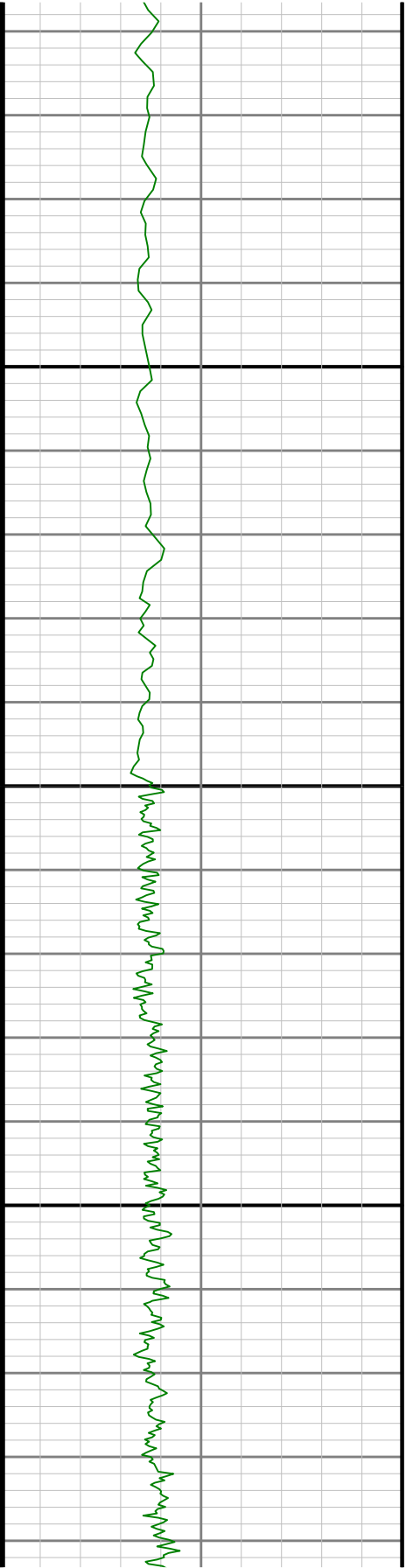


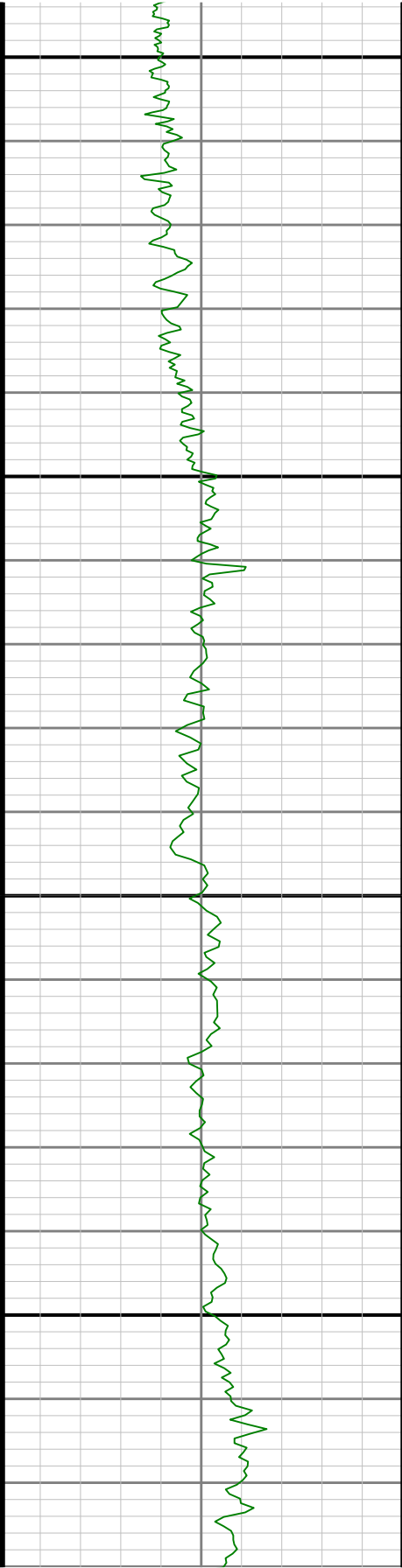




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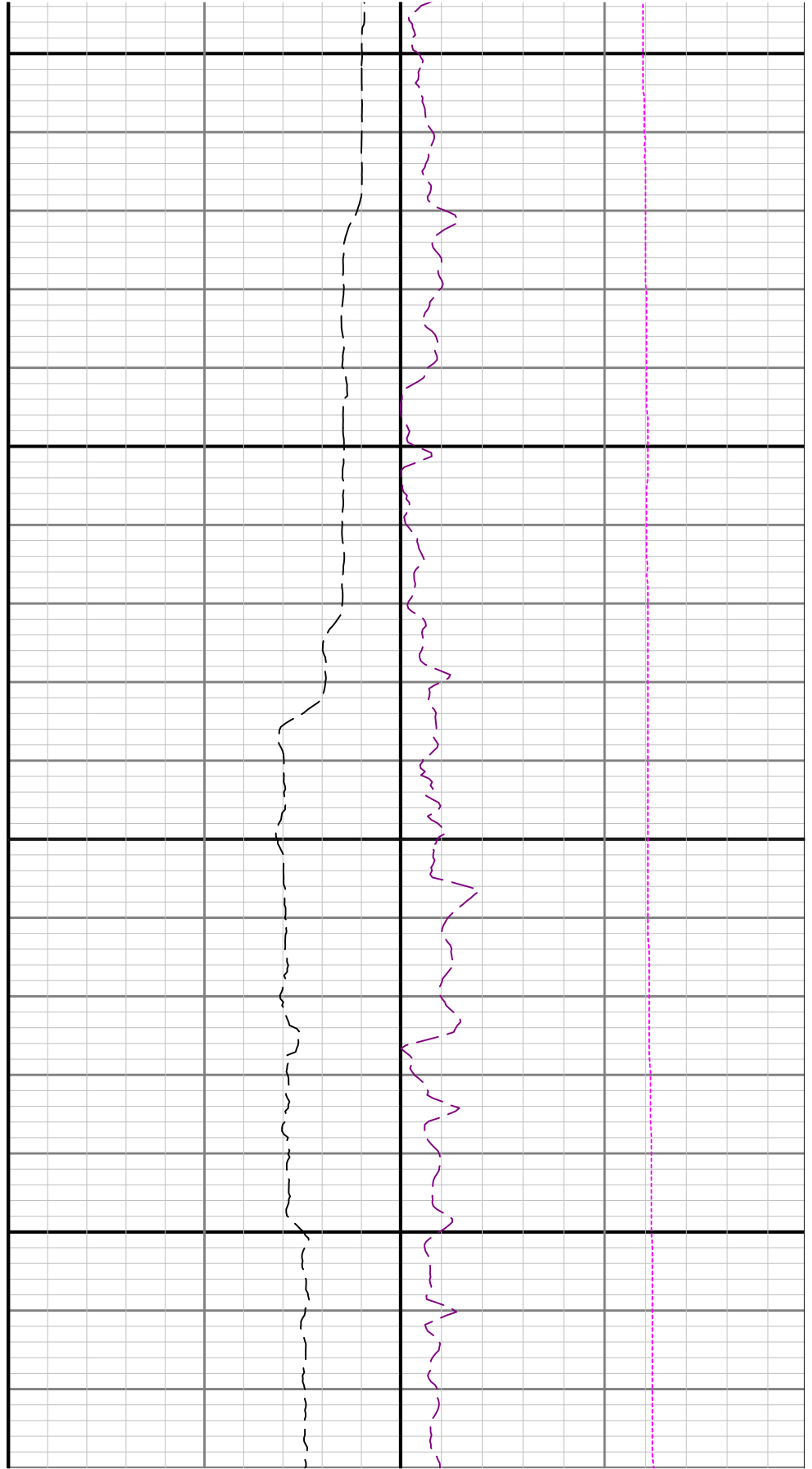
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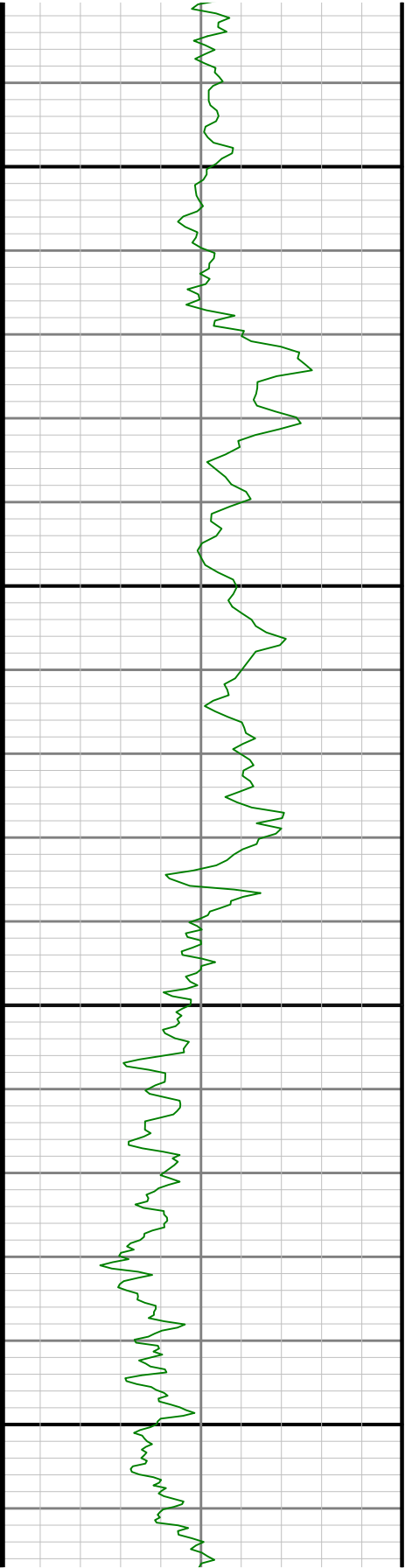




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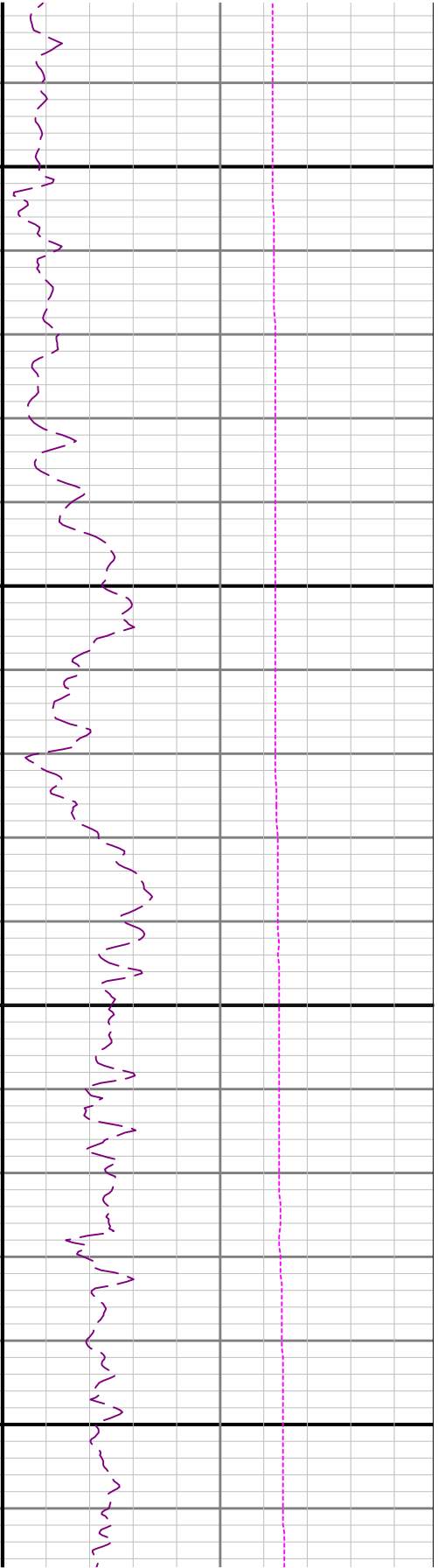
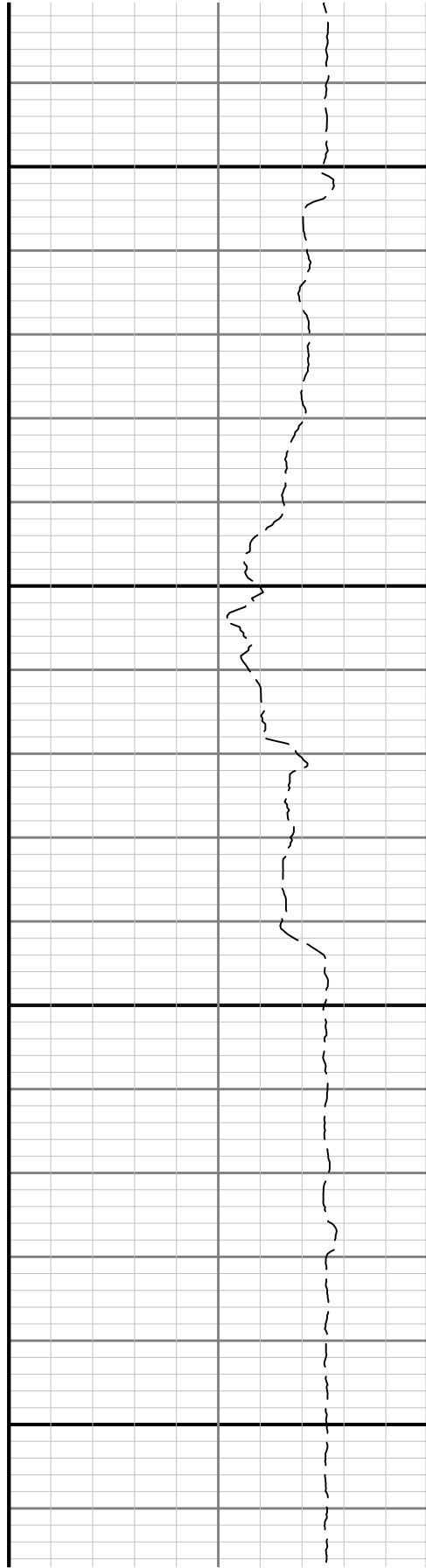
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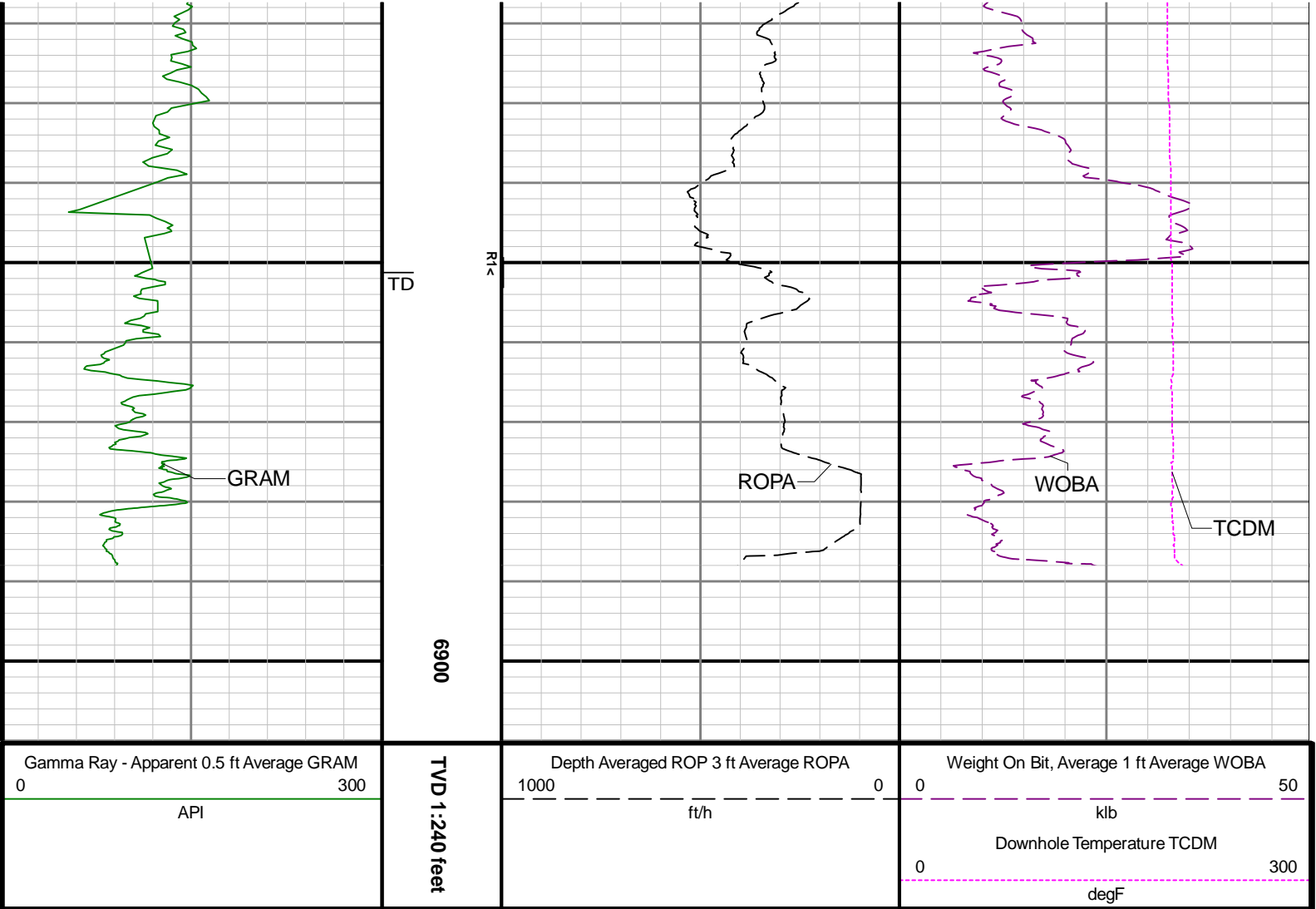




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| Directional Survey Summary      |                     |                   |               |                    |            |                             |                          |                            |                       |                    |                              |                        |                       |
|---------------------------------|---------------------|-------------------|---------------|--------------------|------------|-----------------------------|--------------------------|----------------------------|-----------------------|--------------------|------------------------------|------------------------|-----------------------|
| Latitude:                       |                     | 40° 12' 23.933" N |               |                    |            | Longitude:                  |                          | 104° 33' 43.042" W         |                       |                    |                              |                        |                       |
| North Reference:                |                     | Grid              |               |                    |            | Drill Depth Zero:           |                          | Rig Floor                  |                       |                    |                              |                        |                       |
| Vertical Datum is:              |                     | Mean Sea Level    |               |                    |            | Vertical Datum to DDZ: (ft) |                          | 4827.00                    |                       |                    |                              |                        |                       |
| Vertical Section North: (ft)    |                     | 0.00              |               |                    |            | Vertical Section East: (ft) |                          | 0.00                       |                       |                    |                              |                        |                       |
| Vertical Section Azimuth: (deg) |                     | 174.86            |               |                    |            | Magnetic Declination: (deg) |                          | 8.00                       |                       |                    |                              |                        |                       |
| Grid Convergence: (deg)         |                     | -0.61             |               |                    |            |                             |                          | Minimum Curvature          |                       |                    |                              |                        |                       |
| Total Correction: (deg)         |                     | 7.39              |               |                    |            |                             |                          | Local Magnetic Field: (nT) |                       |                    |                              |                        |                       |
| Magnetic Correction:            |                     | Off               |               |                    |            | Local Gravity Field: (m/s2) |                          | 51972                      |                       |                    |                              |                        |                       |
| Local Magnetic Dip Angle: (deg) |                     | 66.63             |               |                    |            |                             |                          | 9.800                      |                       |                    |                              |                        |                       |
| Tie-In / Projection             | Measured Depth (ft) | Inclination (deg) | Azimuth (deg) | Temperature (degF) | North (ft) | East (ft)                   | True Vertical Depth (ft) | TVD Subsea (ft)            | Vertical Section (ft) | Course Length (ft) | Dog Leg Severity (deg/100ft) | Build Rate (deg/100ft) | Turn Rate (deg/100ft) |
| Tie-In                          | 0.00                | 0.00              | 0.00          | N/A                | 0.00       | 0.00                        | 0.00                     | -4827.00                   | 0.00                  | 0.00               | 0.00                         | 0.00                   | 0.00                  |
|                                 | 77.00               | 0.65              | 11.31         | N/A                | 0.43       | 0.09                        | 77.00                    | -4750.00                   | -0.42                 | 77.00              | 0.84                         | 0.84                   | 14.69                 |
|                                 | 175.00              | 0.29              | 357.77        | N/A                | 1.22       | 0.19                        | 174.99                   | -4652.01                   | -1.20                 | 98.00              | 0.38                         | -0.37                  | -13.82                |
|                                 | 266.00              | 0.60              | 350.41        | N/A                | 1.92       | 0.10                        | 265.99                   | -4561.01                   | -1.90                 | 91.00              | 0.35                         | 0.34                   | -8.09                 |
|                                 | 361.00              | 0.45              | 283.19        | N/A                | 2.50       | -0.35                       | 360.99                   | -4466.01                   | -2.52                 | 95.00              | 0.63                         | -0.16                  | -70.76                |
|                                 | 455.00              | 0.56              | 332.80        | N/A                | 2.99       | -0.92                       | 454.99                   | -4372.01                   | -3.06                 | 94.00              | 0.46                         | 0.12                   | 52.78                 |
|                                 | 550.00              | 0.15              | 56.89         | N/A                | 3.47       | -1.03                       | 549.98                   | -4277.02                   | -3.55                 | 95.00              | 0.59                         | -0.43                  | 88.52                 |
|                                 | 645.00              | 0.47              | 89.87         | N/A                | 3.54       | -0.53                       | 644.98                   | -4182.02                   | -3.57                 | 95.00              | 0.37                         | 0.34                   | 34.72                 |
|                                 | 739.00              | 0.22              | 45.93         | N/A                | 3.67       | -0.02                       | 738.98                   | -4088.02                   | -3.65                 | 94.00              | 0.37                         | -0.27                  | -46.74                |
|                                 | 833.00              | 0.14              | 35.50         | N/A                | 3.83       | 0.10                        | 832.99                   | -3994.00                   | -3.65                 | 94.00              | 0.38                         | -0.28                  | -44.89                |

|  |         |       |        |       |         |        |         |          |        |        |       |       |         |
|--|---------|-------|--------|-------|---------|--------|---------|----------|--------|--------|-------|-------|---------|
|  | 833.00  | 0.14  | 35.53  | N/A   | 3.88    | 0.18   | 832.98  | -3894.02 | -3.85  | 94.00  | 0.09  | -0.09 | -11.06  |
|  | 928.00  | 0.27  | 133.33 | N/A   | 3.83    | 0.41   | 927.98  | -3899.02 | -3.77  | 95.00  | 0.34  | 0.14  | 102.95  |
|  | 1022.00 | 0.10  | 148.19 | N/A   | 3.60    | 0.61   | 1021.98 | -3805.02 | -3.53  | 94.00  | 0.19  | -0.18 | 15.81   |
|  | 1117.00 | 0.28  | 194.72 | N/A   | 3.31    | 0.60   | 1116.98 | -3710.02 | -3.24  | 95.00  | 0.24  | 0.19  | 48.98   |
|  | 1211.00 | 0.25  | 125.45 | N/A   | 2.97    | 0.71   | 1210.98 | -3616.02 | -2.89  | 94.00  | 0.32  | -0.03 | -73.69  |
|  | 1306.00 | 0.22  | 122.89 | N/A   | 2.75    | 1.03   | 1305.98 | -3521.02 | -2.65  | 95.00  | 0.03  | -0.03 | -2.69   |
|  | 1400.00 | 0.16  | 151.79 | N/A   | 2.53    | 1.24   | 1399.98 | -3427.02 | -2.41  | 94.00  | 0.12  | -0.06 | 30.74   |
|  | 1494.00 | 0.14  | 127.25 | N/A   | 2.35    | 1.40   | 1493.98 | -3333.02 | -2.22  | 94.00  | 0.07  | -0.02 | -26.11  |
|  | 1589.00 | 0.33  | 345.20 | N/A   | 2.54    | 1.42   | 1588.98 | -3238.02 | -2.41  | 95.00  | 0.47  | 0.20  | -149.53 |
|  | 1683.00 | 0.48  | 337.95 | N/A   | 3.17    | 1.20   | 1682.97 | -3144.03 | -3.05  | 94.00  | 0.17  | 0.16  | -7.71   |
|  | 1778.00 | 0.64  | 325.06 | N/A   | 3.97    | 0.75   | 1777.97 | -3049.03 | -3.89  | 95.00  | 0.21  | 0.17  | -13.57  |
|  | 1873.00 | 0.24  | 49.90  | N/A   | 4.54    | 0.60   | 1872.97 | -2954.03 | -4.47  | 95.00  | 0.70  | -0.42 | 89.31   |
|  | 1933.00 | 0.63  | 126.07 | N/A   | 4.42    | 0.96   | 1932.97 | -2894.03 | -4.32  | 60.00  | 1.03  | 0.65  | 126.95  |
|  | 1991.00 | 1.41  | 148.22 | 104.1 | 3.63    | 1.59   | 1990.96 | -2836.04 | -3.47  | 58.00  | 1.48  | 1.34  | 38.19   |
|  | 2085.00 | 3.11  | 141.45 | 106.8 | 0.65    | 3.79   | 2084.88 | -2742.12 | -0.31  | 94.00  | 1.83  | 1.81  | -7.20   |
|  | 2180.00 | 4.39  | 136.88 | 106.8 | -4.02   | 7.88   | 2179.67 | -2647.33 | 4.71   | 95.00  | 1.38  | 1.35  | -4.81   |
|  | 2275.00 | 6.52  | 130.04 | 112.2 | -10.14  | 14.50  | 2274.24 | -2552.76 | 11.40  | 95.00  | 2.34  | 2.24  | -7.20   |
|  | 2369.00 | 8.84  | 126.74 | 114.9 | -17.90  | 24.37  | 2367.39 | -2459.61 | 20.01  | 94.00  | 2.51  | 2.47  | -3.51   |
|  | 2463.00 | 10.52 | 123.51 | 114.9 | -26.96  | 37.32  | 2460.05 | -2366.95 | 30.19  | 94.00  | 1.88  | 1.79  | -3.44   |
|  | 2558.00 | 11.62 | 123.80 | 117.6 | -37.07  | 52.50  | 2553.28 | -2273.72 | 41.62  | 95.00  | 1.16  | 1.16  | 0.31    |
|  | 2652.00 | 12.64 | 122.98 | 120.3 | -47.93  | 68.99  | 2645.18 | -2181.82 | 53.92  | 94.00  | 1.10  | 1.09  | -0.87   |
|  | 2747.00 | 15.40 | 122.71 | 171.6 | -60.41  | 88.33  | 2737.34 | -2089.66 | 68.08  | 95.00  | 2.91  | 2.91  | -0.28   |
|  | 2841.00 | 15.32 | 122.70 | 125.7 | -73.86  | 109.28 | 2827.98 | -1999.02 | 83.35  | 94.00  | 0.09  | -0.09 | -0.01   |
|  | 2936.00 | 15.48 | 122.95 | 125.7 | -87.54  | 130.48 | 2919.57 | -1907.43 | 98.87  | 95.00  | 0.18  | 0.17  | 0.26    |
|  | 3031.00 | 15.05 | 123.87 | 128.4 | -101.31 | 151.36 | 3011.22 | -1815.78 | 114.46 | 95.00  | 0.52  | -0.45 | 0.97    |
|  | 3125.00 | 13.84 | 124.07 | 128.4 | -114.41 | 170.81 | 3102.25 | -1724.75 | 129.25 | 94.00  | 1.29  | -1.29 | 0.21    |
|  | 3220.00 | 15.44 | 123.31 | 131.1 | -127.72 | 190.79 | 3194.16 | -1632.84 | 144.30 | 95.00  | 1.70  | 1.68  | -0.80   |
|  | 3315.00 | 12.11 | 125.09 | 131.1 | -140.39 | 209.52 | 3286.42 | -1540.58 | 158.60 | 95.00  | 3.53  | -3.51 | 1.87    |
|  | 3409.00 | 14.28 | 130.21 | 131.1 | -153.55 | 226.44 | 3377.93 | -1449.07 | 173.22 | 94.00  | 2.62  | 2.31  | 5.45    |
|  | 3504.00 | 14.72 | 130.35 | 133.8 | -168.93 | 244.59 | 3469.91 | -1357.09 | 190.16 | 95.00  | 0.46  | 0.46  | 0.15    |
|  | 3598.00 | 14.63 | 125.15 | 133.8 | -183.49 | 263.40 | 3560.84 | -1266.16 | 206.35 | 94.00  | 1.40  | -0.10 | -5.53   |
|  | 3693.00 | 13.13 | 124.97 | 136.5 | -196.59 | 282.05 | 3653.07 | -1173.93 | 221.07 | 95.00  | 1.58  | -1.58 | -0.19   |
|  | 3787.00 | 15.53 | 123.69 | 136.5 | -209.69 | 301.27 | 3744.14 | -1082.86 | 235.84 | 94.00  | 2.58  | 2.55  | -1.36   |
|  | 3882.00 | 15.35 | 122.01 | 139.2 | -223.41 | 322.51 | 3835.71 | -991.29  | 251.40 | 95.00  | 0.51  | -0.19 | -1.77   |
|  | 3976.00 | 15.10 | 122.75 | 139.2 | -236.63 | 343.36 | 3926.41 | -900.59  | 266.44 | 94.00  | 0.34  | -0.27 | 0.79    |
|  | 4071.00 | 14.95 | 122.90 | 141.9 | -249.98 | 364.06 | 4018.16 | -808.84  | 281.59 | 95.00  | 0.16  | -0.16 | 0.16    |
|  | 4165.00 | 15.29 | 122.55 | 141.9 | -263.23 | 384.69 | 4108.91 | -718.09  | 296.64 | 94.00  | 0.37  | 0.36  | -0.37   |
|  | 4260.00 | 15.34 | 122.74 | 144.6 | -276.77 | 405.81 | 4200.53 | -626.47  | 312.01 | 95.00  | 0.07  | 0.05  | 0.20    |
|  | 4355.00 | 15.54 | 122.26 | 144.6 | -290.36 | 427.14 | 4292.10 | -534.90  | 327.46 | 95.00  | 0.25  | 0.21  | -0.51   |
|  | 4454.00 | 16.47 | 122.32 | 144.6 | -318.19 | 471.20 | 4473.78 | -353.22  | 359.13 | 189.00 | 0.49  | 0.49  | 0.03    |
|  | 4638.00 | 16.46 | 122.53 | 150.0 | -332.48 | 493.68 | 4563.92 | -263.08  | 375.37 | 94.00  | 0.06  | -0.01 | 0.22    |
|  | 4733.00 | 16.64 | 122.30 | 152.7 | -346.98 | 516.53 | 4654.99 | -172.01  | 391.87 | 95.00  | 0.20  | 0.19  | -0.24   |
|  | 4827.00 | 15.68 | 123.32 | 152.7 | -361.15 | 538.52 | 4745.27 | -81.73   | 407.95 | 94.00  | 1.06  | -1.02 | 1.09    |
|  | 4922.00 | 15.93 | 125.37 | 152.7 | -375.75 | 559.88 | 4836.68 | 9.68     | 424.40 | 95.00  | 0.64  | 0.26  | 2.16    |
|  | 5016.00 | 15.03 | 127.73 | 155.4 | -390.68 | 580.04 | 4927.27 | 100.27   | 441.07 | 94.00  | 1.17  | -0.96 | 2.51    |
|  | 5111.00 | 17.25 | 129.42 | 158.1 | -407.16 | 600.66 | 5018.52 | 191.52   | 459.34 | 95.00  | 2.39  | 2.34  | 1.78    |
|  | 5205.00 | 15.16 | 132.21 | 160.8 | -424.27 | 620.54 | 5108.78 | 281.78   | 478.16 | 94.00  | 2.37  | -2.22 | 2.97    |
|  | 5300.00 | 16.24 | 131.78 | 160.8 | -441.47 | 639.64 | 5200.24 | 373.24   | 497.00 | 95.00  | 1.14  | 1.14  | -0.45   |
|  | 5489.00 | 13.22 | 130.13 | 166.2 | -473.02 | 675.88 | 5383.00 | 556.00   | 531.67 | 189.00 | 1.61  | -1.60 | -0.87   |
|  | 5584.00 | 15.50 | 131.79 | 166.2 | -488.48 | 693.66 | 5475.03 | 648.03   | 548.66 | 95.00  | 2.44  | 2.40  | 1.75    |
|  | 5678.00 | 16.66 | 132.26 | 166.2 | -505.91 | 713.00 | 5565.35 | 738.35   | 567.75 | 94.00  | 1.24  | 1.23  | 0.50    |
|  | 5773.00 | 16.90 | 124.93 | 168.9 | -522.98 | 734.40 | 5656.32 | 829.32   | 586.67 | 95.00  | 2.24  | 0.25  | -7.72   |
|  | 5867.00 | 16.94 | 120.75 | 171.6 | -537.80 | 757.37 | 5746.25 | 919.25   | 603.49 | 94.00  | 1.29  | 0.04  | -4.45   |
|  | 5962.00 | 16.37 | 123.31 | 174.3 | -552.23 | 780.45 | 5837.27 | 1010.27  | 619.93 | 95.00  | 0.98  | -0.60 | 2.69    |
|  | 6057.00 | 16.42 | 125.57 | 177.0 | -567.39 | 802.56 | 5928.40 | 1101.40  | 637.01 | 95.00  | 0.67  | 0.05  | 2.38    |
|  | 6151.00 | 16.86 | 122.99 | 177.0 | -582.54 | 824.80 | 6018.47 | 1191.47  | 654.10 | 94.00  | 0.91  | 0.47  | -2.74   |
|  | 6245.00 | 16.13 | 120.64 | 179.7 | -596.62 | 847.47 | 6108.60 | 1281.60  | 670.15 | 94.00  | 1.05  | -0.78 | -2.50   |
|  | 6340.00 | 16.52 | 121.03 | 179.7 | -610.31 | 870.40 | 6199.77 | 1372.77  | 685.83 | 95.00  | 0.43  | 0.41  | 0.41    |
|  | 6434.00 | 15.02 | 120.21 | 179.7 | -623.33 | 892.38 | 6290.23 | 1463.23  | 700.77 | 94.00  | 1.61  | -1.60 | -0.87   |
|  | 6528.00 | 15.63 | 128.80 | 179.7 | -637.39 | 912.78 | 6380.90 | 1553.90  | 716.61 | 94.00  | 2.50  | 0.65  | 9.14    |
|  | 6623.00 | 22.05 | 161.48 | 179.7 | -662.41 | 928.47 | 6471.00 | 1644.00  | 742.93 | 95.00  | 12.76 | 6.76  | 34.40   |
|  | 6717.00 | 30.32 | 170.74 | 182.5 | -702.65 | 937.91 | 6555.32 | 1728.32  | 783.85 | 94.00  | 9.79  | 8.80  | 9.85    |
|  | 6812.00 | 38.29 | 169.95 | 185.2 | -755.38 | 946.92 | 6633.73 | 1806.73  | 837.18 | 95.00  | 8.40  | 8.39  | -0.83   |

|  |          |       |        |       |          |         |         |         |         |       |       |       |       |
|--|----------|-------|--------|-------|----------|---------|---------|---------|---------|-------|-------|-------|-------|
|  | 6907.00  | 46.41 | 170.29 | 187.9 | -818.38  | 957.88  | 6703.88 | 1876.88 | 900.91  | 95.00 | 8.55  | 8.55  | 0.36  |
|  | 7001.00  | 53.95 | 170.68 | 190.6 | -889.54  | 969.79  | 6764.03 | 1937.03 | 972.84  | 94.00 | 8.03  | 8.02  | 0.41  |
|  | 7096.00  | 63.33 | 169.15 | 193.3 | -969.30  | 984.04  | 6813.42 | 1986.42 | 1053.56 | 95.00 | 9.97  | 9.87  | -1.61 |
|  | 7190.00  | 73.46 | 168.14 | 196.0 | -1054.87 | 1001.25 | 6847.99 | 2020.99 | 1140.33 | 94.00 | 10.82 | 10.78 | -1.07 |
|  | 7285.00  | 78.57 | 170.58 | 198.7 | -1145.43 | 1018.24 | 6870.94 | 2043.94 | 1232.05 | 95.00 | 5.93  | 5.38  | 2.57  |
|  | 7379.00  | 85.66 | 174.45 | 198.7 | -1237.68 | 1030.33 | 6883.83 | 2056.83 | 1325.01 | 94.00 | 8.57  | 7.54  | 4.12  |
|  | 7474.00  | 89.72 | 176.21 | 201.4 | -1332.26 | 1038.06 | 6887.66 | 2060.66 | 1419.91 | 95.00 | 4.66  | 4.27  | 1.85  |
|  | 7568.00  | 89.75 | 177.69 | 201.4 | -1426.13 | 1043.06 | 6888.10 | 2061.10 | 1513.84 | 94.00 | 1.57  | 0.03  | 1.57  |
|  | 7663.00  | 89.97 | 179.53 | 204.1 | -1521.09 | 1045.36 | 6888.33 | 2061.33 | 1608.63 | 95.00 | 1.95  | 0.23  | 1.94  |
|  | 7758.00  | 90.77 | 178.52 | 209.5 | -1616.08 | 1046.98 | 6887.71 | 2060.71 | 1703.38 | 95.00 | 1.36  | 0.84  | -1.06 |
|  | 7852.00  | 90.18 | 179.63 | 209.5 | -1710.06 | 1048.50 | 6886.94 | 2059.94 | 1797.12 | 94.00 | 1.34  | -0.63 | 1.18  |
|  | 7946.00  | 90.37 | 180.31 | 214.9 | -1804.06 | 1048.54 | 6886.48 | 2059.48 | 1890.74 | 94.00 | 0.75  | 0.20  | 0.72  |
|  | 8041.00  | 90.31 | 181.42 | 214.9 | -1899.04 | 1047.11 | 6885.92 | 2058.92 | 1985.22 | 95.00 | 1.17  | -0.06 | 1.17  |
|  | 8135.00  | 90.25 | 181.85 | 217.6 | -1993.00 | 1044.43 | 6885.46 | 2058.46 | 2078.56 | 94.00 | 0.46  | -0.06 | 0.46  |
|  | 8230.00  | 90.09 | 181.19 | 220.3 | -2087.97 | 1041.91 | 6885.18 | 2058.18 | 2172.92 | 95.00 | 0.71  | -0.17 | -0.69 |
|  | 8324.00  | 90.22 | 181.62 | 223.0 | -2181.94 | 1039.60 | 6884.93 | 2057.93 | 2266.30 | 94.00 | 0.48  | 0.14  | 0.46  |
|  | 8419.00  | 90.25 | 181.35 | 223.0 | -2276.91 | 1037.14 | 6884.54 | 2057.54 | 2360.67 | 95.00 | 0.29  | 0.03  | -0.28 |
|  | 8513.00  | 89.72 | 180.67 | 223.0 | -2370.89 | 1035.48 | 6884.56 | 2057.56 | 2454.13 | 94.00 | 0.92  | -0.56 | -0.72 |
|  | 8607.00  | 89.88 | 180.19 | 225.7 | -2464.80 | 1034.78 | 6884.89 | 2057.89 | 2547.68 | 94.00 | 0.54  | 0.17  | -0.51 |
|  | 8702.00  | 90.28 | 180.25 | 225.7 | -2559.89 | 1034.41 | 6884.76 | 2057.76 | 2642.27 | 95.00 | 0.43  | 0.42  | 0.06  |
|  | 8796.00  | 90.74 | 180.66 | 228.4 | -2653.88 | 1033.67 | 6883.92 | 2056.92 | 2735.81 | 94.00 | 0.66  | 0.49  | 0.44  |
|  | 8891.00  | 90.37 | 179.93 | 231.1 | -2748.87 | 1033.18 | 6883.00 | 2056.00 | 2830.38 | 95.00 | 0.86  | -0.39 | -0.77 |
|  | 8985.00  | 90.43 | 179.87 | 231.1 | -2842.87 | 1033.34 | 6882.34 | 2055.34 | 2924.02 | 94.00 | 0.09  | 0.06  | -0.06 |
|  | 9080.00  | 91.35 | 180.82 | 233.8 | -2937.86 | 1032.77 | 6880.87 | 2053.87 | 3018.57 | 95.00 | 1.39  | 0.97  | 1.00  |
|  | 9174.00  | 90.55 | 180.98 | 233.8 | -3031.83 | 1031.30 | 6879.31 | 2052.31 | 3112.03 | 94.00 | 0.87  | -0.85 | 0.17  |
|  | 9269.00  | 90.40 | 180.99 | 233.8 | -3126.81 | 1029.66 | 6878.52 | 2051.52 | 3206.49 | 95.00 | 0.16  | -0.16 | 0.01  |
|  | 9364.00  | 90.49 | 179.39 | 236.5 | -3221.81 | 1029.35 | 6877.78 | 2050.78 | 3301.07 | 95.00 | 1.69  | 0.09  | -1.68 |
|  | 9458.00  | 89.94 | 180.83 | 236.5 | -3315.80 | 1029.17 | 6877.43 | 2050.43 | 3394.67 | 94.00 | 1.64  | -0.59 | 1.53  |
|  | 9553.00  | 90.28 | 180.54 | 236.5 | -3410.80 | 1028.03 | 6877.25 | 2050.25 | 3489.18 | 95.00 | 0.47  | 0.36  | -0.31 |
|  | 9647.00  | 90.62 | 180.71 | 236.5 | -3504.79 | 1027.01 | 6876.51 | 2049.51 | 3582.70 | 94.00 | 0.40  | 0.36  | 0.18  |
|  | 9742.00  | 90.31 | 180.74 | 239.2 | -3599.78 | 1025.80 | 6875.74 | 2048.74 | 3677.20 | 95.00 | 0.33  | -0.33 | 0.03  |
|  | 9836.00  | 90.09 | 180.67 | 239.2 | -3693.77 | 1024.65 | 6875.41 | 2048.41 | 3770.71 | 94.00 | 0.25  | -0.23 | -0.07 |
|  | 9931.00  | 90.09 | 180.68 | 239.2 | -3788.76 | 1023.53 | 6875.26 | 2048.26 | 3865.22 | 95.00 | 0.01  | 0.00  | 0.01  |
|  | 10025.00 | 90.25 | 180.74 | 241.9 | -3882.75 | 1022.36 | 6874.98 | 2047.98 | 3958.73 | 94.00 | 0.18  | 0.17  | 0.06  |
|  | 10120.00 | 90.15 | 180.43 | 241.9 | -3977.75 | 1021.39 | 6874.65 | 2047.65 | 4053.26 | 95.00 | 0.34  | -0.11 | -0.33 |
|  | 10215.00 | 90.31 | 180.34 | 241.9 | -4072.75 | 1020.75 | 6874.27 | 2047.27 | 4147.82 | 95.00 | 0.19  | 0.17  | -0.09 |
|  | 10309.00 | 90.00 | 180.25 | 244.6 | -4166.74 | 1020.27 | 6874.01 | 2047.01 | 4241.39 | 94.00 | 0.34  | -0.33 | -0.10 |
|  | 10404.00 | 90.31 | 180.17 | 241.9 | -4261.74 | 1019.92 | 6873.76 | 2046.76 | 4335.98 | 95.00 | 0.34  | 0.33  | -0.08 |
|  | 10499.00 | 90.28 | 179.58 | 244.6 | -4356.74 | 1020.13 | 6873.27 | 2046.27 | 4430.62 | 95.00 | 0.62  | -0.03 | -0.62 |
|  | 10593.00 | 89.97 | 179.02 | 247.3 | -4450.73 | 1021.28 | 6873.06 | 2046.06 | 4524.33 | 94.00 | 0.68  | -0.33 | -0.60 |
|  | 10688.00 | 89.20 | 178.19 | 247.3 | -4545.70 | 1023.59 | 6873.75 | 2046.75 | 4619.13 | 95.00 | 1.19  | -0.81 | -0.87 |
|  | 10782.00 | 90.34 | 179.38 | 247.3 | -4639.68 | 1025.58 | 6874.13 | 2047.13 | 4712.90 | 94.00 | 1.75  | 1.21  | 1.27  |
|  | 10877.00 | 90.68 | 179.39 | 247.3 | -4734.67 | 1026.60 | 6873.28 | 2046.28 | 4807.60 | 95.00 | 0.36  | 0.36  | 0.01  |
|  | 10971.00 | 89.82 | 180.17 | 250.0 | -4828.66 | 1026.96 | 6872.87 | 2045.87 | 4901.25 | 94.00 | 1.24  | -0.91 | 0.83  |
|  | 11066.00 | 90.68 | 181.51 | 250.0 | -4923.65 | 1025.57 | 6872.46 | 2045.46 | 4995.73 | 95.00 | 1.68  | 0.91  | 1.41  |
|  | 11160.00 | 90.43 | 180.89 | 250.0 | -5017.62 | 1023.60 | 6871.55 | 2044.55 | 5089.15 | 94.00 | 0.71  | -0.27 | -0.66 |
|  | 11254.00 | 90.03 | 180.65 | 250.0 | -5111.61 | 1022.34 | 6871.17 | 2044.17 | 5182.65 | 94.00 | 0.50  | -0.43 | -0.26 |
|  | 11349.00 | 89.75 | 180.79 | 250.0 | -5206.61 | 1021.15 | 6871.35 | 2044.35 | 5277.15 | 95.00 | 0.33  | -0.29 | 0.15  |
|  | 11443.00 | 89.35 | 180.40 | 252.7 | -5300.60 | 1020.17 | 6872.09 | 2045.09 | 5370.68 | 94.00 | 0.59  | -0.43 | -0.41 |
|  | 11538.00 | 90.46 | 180.14 | 252.7 | -5395.60 | 1019.72 | 6872.25 | 2045.25 | 5465.26 | 95.00 | 1.20  | 1.17  | -0.27 |
|  | 11632.00 | 89.60 | 180.26 | 252.7 | -5489.59 | 1019.39 | 6872.20 | 2045.20 | 5558.85 | 94.00 | 0.92  | -0.91 | 0.13  |
|  | 11726.00 | 92.28 | 179.09 | 252.7 | -5583.57 | 1019.93 | 6870.66 | 2043.66 | 5652.49 | 94.00 | 3.11  | 2.85  | -1.24 |
|  | 11821.00 | 89.57 | 178.88 | 255.4 | -5678.53 | 1021.61 | 6869.12 | 2042.12 | 5747.22 | 95.00 | 2.86  | -2.85 | -0.22 |
|  | 11915.00 | 89.54 | 179.28 | 255.4 | -5772.52 | 1023.12 | 6869.85 | 2042.85 | 5840.97 | 94.00 | 0.43  | -0.03 | 0.43  |
|  | 12010.00 | 90.49 | 179.49 | 255.4 | -5867.51 | 1024.14 | 6869.83 | 2042.83 | 5935.67 | 95.00 | 1.02  | 1.00  | 0.22  |
|  | 12104.00 | 90.46 | 179.37 | 255.4 | -5961.50 | 1025.07 | 6869.05 | 2042.05 | 6029.37 | 94.00 | 0.13  | -0.03 | -0.13 |
|  | 12199.00 | 89.91 | 178.46 | 255.4 | -6056.49 | 1026.87 | 6868.74 | 2041.74 | 6124.13 | 95.00 | 1.12  | -0.58 | -0.96 |
|  | 12293.00 | 90.09 | 178.25 | 255.4 | -6150.45 | 1029.57 | 6868.74 | 2041.74 | 6217.95 | 94.00 | 0.29  | 0.19  | -0.22 |
|  | 12387.00 | 90.28 | 178.27 | 258.1 | -6244.40 | 1032.43 | 6868.44 | 2041.44 | 6311.79 | 94.00 | 0.20  | 0.20  | 0.02  |
|  | 12482.00 | 90.15 | 178.23 | 258.1 | -6339.36 | 1035.33 | 6868.08 | 2041.08 | 6406.62 | 95.00 | 0.14  | -0.14 | -0.04 |
|  | 12576.00 | 90.06 | 178.17 | 258.1 | -6433.31 | 1038.28 | 6867.91 | 2040.91 | 6500.46 | 94.00 | 0.12  | -0.10 | -0.06 |
|  | 12670.00 | 90.03 | 178.14 | 258.1 | -6527.26 | 1041.31 | 6867.84 | 2040.84 | 6594.30 | 94.00 | 0.05  | -0.03 | -0.03 |

|            |          |       |        |       |           |         |         |         |          |       |      |       |       |
|------------|----------|-------|--------|-------|-----------|---------|---------|---------|----------|-------|------|-------|-------|
|            | 12764.00 | 90.28 | 178.35 | 258.1 | -6621.22  | 1044.18 | 6867.58 | 2040.58 | 6688.14  | 94.00 | 0.35 | 0.27  | 0.22  |
|            | 12859.00 | 90.37 | 179.04 | 258.1 | -6716.19  | 1046.35 | 6867.04 | 2040.04 | 6782.93  | 95.00 | 0.73 | 0.09  | 0.73  |
|            | 12953.00 | 90.43 | 179.27 | 258.1 | -6810.18  | 1047.73 | 6866.39 | 2039.39 | 6876.66  | 94.00 | 0.25 | 0.06  | 0.24  |
|            | 13047.00 | 90.25 | 180.77 | 258.1 | -6904.17  | 1047.70 | 6865.83 | 2038.83 | 6970.27  | 94.00 | 1.61 | -0.19 | 1.60  |
|            | 13142.00 | 90.12 | 180.85 | 258.1 | -6999.16  | 1046.36 | 6865.52 | 2038.52 | 7064.76  | 95.00 | 0.16 | -0.14 | 0.08  |
|            | 13237.00 | 90.03 | 182.07 | 260.8 | -7094.13  | 1043.94 | 6865.40 | 2038.40 | 7159.13  | 95.00 | 1.29 | -0.09 | 1.28  |
|            | 13331.00 | 90.58 | 182.74 | 260.8 | -7188.05  | 1039.99 | 6864.90 | 2037.90 | 7252.31  | 94.00 | 0.92 | 0.59  | 0.71  |
|            | 13426.00 | 90.28 | 182.53 | 255.4 | -7282.94  | 1035.63 | 6864.19 | 2037.19 | 7346.44  | 95.00 | 0.39 | -0.32 | -0.22 |
|            | 13520.00 | 90.25 | 181.52 | 258.1 | -7376.88  | 1032.30 | 6863.75 | 2036.75 | 7439.70  | 94.00 | 1.07 | -0.03 | -1.07 |
|            | 13615.00 | 90.62 | 181.72 | 244.6 | -7471.84  | 1029.62 | 6863.03 | 2036.03 | 7534.04  | 95.00 | 0.44 | 0.39  | 0.21  |
|            | 13709.00 | 90.37 | 180.49 | 260.8 | -7565.82  | 1027.81 | 6862.22 | 2035.22 | 7627.48  | 94.00 | 1.34 | -0.27 | -1.31 |
|            | 13804.00 | 90.43 | 180.82 | 260.8 | -7660.81  | 1026.72 | 6861.55 | 2034.55 | 7721.99  | 95.00 | 0.35 | 0.06  | 0.35  |
|            | 13898.00 | 89.94 | 178.75 | 263.5 | -7754.80  | 1027.07 | 6861.25 | 2034.25 | 7815.63  | 94.00 | 2.26 | -0.52 | -2.20 |
|            | 13993.00 | 90.00 | 179.11 | 263.5 | -7849.79  | 1028.85 | 6861.30 | 2034.30 | 7910.39  | 95.00 | 0.38 | 0.06  | 0.38  |
|            | 14087.00 | 90.37 | 178.48 | 263.5 | -7943.76  | 1030.82 | 6861.00 | 2034.00 | 8004.17  | 94.00 | 0.78 | 0.39  | -0.67 |
|            | 14182.00 | 90.31 | 179.12 | 263.5 | -8038.74  | 1032.81 | 6860.43 | 2033.43 | 8098.95  | 95.00 | 0.68 | -0.06 | 0.67  |
|            | 14276.00 | 90.68 | 181.46 | 266.2 | -8132.73  | 1032.34 | 6859.62 | 2032.62 | 8192.51  | 94.00 | 2.52 | 0.39  | 2.49  |
|            | 14371.00 | 90.31 | 180.75 | 269.0 | -8227.71  | 1030.51 | 6858.80 | 2031.80 | 8286.95  | 95.00 | 0.84 | -0.39 | -0.75 |
|            | 14465.00 | 90.25 | 181.22 | 269.0 | -8321.69  | 1028.89 | 6858.34 | 2031.34 | 8380.41  | 94.00 | 0.50 | -0.06 | 0.50  |
|            | 14560.00 | 90.40 | 179.79 | 271.7 | -8416.68  | 1028.05 | 6857.80 | 2030.80 | 8474.94  | 95.00 | 1.51 | 0.16  | -1.51 |
|            | 14654.00 | 90.62 | 180.69 | 271.7 | -8510.68  | 1027.66 | 6856.97 | 2029.97 | 8568.52  | 94.00 | 0.99 | 0.23  | 0.96  |
|            | 14749.00 | 89.97 | 180.10 | 271.7 | -8605.67  | 1027.00 | 6856.48 | 2029.48 | 8663.08  | 95.00 | 0.92 | -0.68 | -0.62 |
|            | 14843.00 | 90.00 | 179.40 | 269.0 | -8699.67  | 1027.41 | 6856.50 | 2029.50 | 8756.74  | 94.00 | 0.75 | 0.03  | -0.74 |
|            | 14937.00 | 89.91 | 179.21 | 271.7 | -8793.67  | 1028.55 | 6856.57 | 2029.57 | 8850.45  | 94.00 | 0.22 | -0.10 | -0.20 |
|            | 15032.00 | 90.00 | 179.51 | 271.7 | -8888.66  | 1029.62 | 6856.65 | 2029.65 | 8945.16  | 95.00 | 0.33 | 0.09  | 0.32  |
|            | 15126.00 | 90.22 | 179.28 | 274.4 | -8982.65  | 1030.61 | 6856.47 | 2029.47 | 9038.87  | 94.00 | 0.34 | 0.23  | -0.24 |
|            | 15221.00 | 90.06 | 178.62 | 271.7 | -9077.64  | 1032.35 | 6856.24 | 2029.24 | 9133.62  | 95.00 | 0.71 | -0.17 | -0.69 |
|            | 15315.00 | 90.37 | 179.24 | 274.4 | -9171.62  | 1034.10 | 6855.88 | 2028.88 | 9227.38  | 94.00 | 0.74 | 0.33  | 0.66  |
|            | 15410.00 | 90.09 | 178.87 | 274.4 | -9266.61  | 1035.67 | 6855.50 | 2028.50 | 9322.13  | 95.00 | 0.49 | -0.29 | -0.39 |
|            | 15504.00 | 90.31 | 178.81 | 274.4 | -9360.59  | 1037.57 | 6855.17 | 2028.17 | 9415.90  | 94.00 | 0.24 | 0.23  | -0.06 |
|            | 15599.00 | 90.09 | 179.29 | 271.7 | -9455.57  | 1039.15 | 6854.84 | 2027.84 | 9510.65  | 95.00 | 0.56 | -0.23 | 0.51  |
|            | 15693.00 | 90.31 | 179.23 | 274.4 | -9549.56  | 1040.36 | 6854.51 | 2027.51 | 9604.37  | 94.00 | 0.24 | 0.23  | -0.06 |
|            | 15788.00 | 89.75 | 178.39 | 274.4 | -9644.54  | 1042.34 | 6854.47 | 2027.47 | 9699.14  | 95.00 | 1.06 | -0.59 | -0.88 |
|            | 15882.00 | 90.03 | 178.85 | 371.7 | -9738.51  | 1044.60 | 6854.65 | 2027.65 | 9792.94  | 94.00 | 0.57 | 0.30  | 0.49  |
|            | 15977.00 | 89.54 | 178.05 | 277.1 | -9833.48  | 1047.17 | 6855.00 | 2028.00 | 9887.75  | 95.00 | 0.99 | -0.52 | -0.84 |
|            | 16071.00 | 89.75 | 179.71 | 271.7 | -9927.46  | 1049.01 | 6855.58 | 2028.58 | 9981.51  | 94.00 | 1.78 | 0.22  | 1.77  |
|            | 16166.00 | 89.91 | 180.61 | 269.0 | -10022.45 | 1048.74 | 6855.87 | 2028.87 | 10076.11 | 95.00 | 0.96 | 0.17  | 0.95  |
|            | 16260.00 | 90.09 | 181.32 | 274.4 | -10116.44 | 1047.16 | 6855.87 | 2028.87 | 10169.57 | 94.00 | 0.78 | 0.19  | 0.76  |
|            | 16355.00 | 89.69 | 180.32 | 274.4 | -10211.43 | 1045.80 | 6856.05 | 2029.05 | 10264.06 | 95.00 | 1.13 | -0.42 | -1.05 |
|            | 16449.00 | 90.28 | 180.93 | 274.4 | -10305.42 | 1044.77 | 6856.07 | 2029.07 | 10357.58 | 94.00 | 0.90 | 0.63  | 0.65  |
|            | 16543.00 | 89.82 | 179.38 | 274.4 | -10399.42 | 1044.52 | 6855.99 | 2028.99 | 10451.18 | 94.00 | 1.72 | -0.49 | -1.65 |
|            | 16638.00 | 90.37 | 182.03 | 274.4 | -10494.40 | 1043.35 | 6855.83 | 2028.83 | 10545.67 | 95.00 | 2.85 | 0.58  | 2.79  |
|            | 16733.00 | 89.78 | 181.62 | 274.4 | -10589.35 | 1040.32 | 6855.71 | 2028.71 | 10639.97 | 95.00 | 0.76 | -0.62 | -0.43 |
|            | 16827.00 | 89.91 | 181.72 | 277.1 | -10683.31 | 1037.59 | 6855.96 | 2028.96 | 10733.31 | 94.00 | 0.17 | 0.14  | 0.11  |
|            | 16922.00 | 89.78 | 182.93 | 277.1 | -10778.23 | 1033.73 | 6856.22 | 2029.22 | 10827.50 | 95.00 | 1.28 | -0.14 | 1.27  |
|            | 17017.00 | 90.12 | 182.32 | 277.1 | -10873.13 | 1029.38 | 6856.30 | 2029.30 | 10921.63 | 95.00 | 0.74 | 0.36  | -0.64 |
|            | 17111.00 | 90.22 | 182.51 | 277.1 | -10967.05 | 1025.42 | 6856.02 | 2029.02 | 11014.81 | 94.00 | 0.23 | 0.11  | 0.20  |
|            | 17206.00 | 90.31 | 183.46 | 277.1 | -11061.92 | 1020.47 | 6855.59 | 2028.59 | 11108.86 | 95.00 | 1.00 | 0.09  | 1.00  |
|            | 17301.00 | 91.45 | 180.56 | 279.8 | -11156.84 | 1017.14 | 6854.13 | 2027.13 | 11203.10 | 95.00 | 3.28 | 1.20  | -3.05 |
|            | 17395.00 | 90.49 | 180.08 | 279.8 | -11250.82 | 1016.62 | 6852.53 | 2025.53 | 11296.66 | 94.00 | 1.14 | -1.02 | -0.51 |
|            | 17490.00 | 90.06 | 179.40 | 279.8 | -11345.82 | 1017.05 | 6852.08 | 2025.08 | 11391.31 | 95.00 | 0.85 | -0.45 | -0.72 |
|            | 17584.00 | 90.31 | 179.25 | 277.1 | -11439.81 | 1018.15 | 6851.78 | 2024.78 | 11485.02 | 94.00 | 0.31 | 0.27  | -0.16 |
| Projection | 17610.00 | 90.31 | 179.25 | N/A   | -11465.81 | 1018.50 | 6851.63 | 2024.63 | 11510.95 | 26.00 | 0.00 | 0.01  | -0.00 |