Supplement of

The $^{226}$Ra–Ba relationship in the North Atlantic during GEOTRACES-GA01

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Figure S1: Comparison of the vertical profiles of dissolved $^{226}$Ra at stations 1 and 13 of the GA01 section (black and red dots, respectively) and station 1 of the GA03 section (U.S.-GEOTRACES; blue dots) off Portugal.

Figure S2: Vertical profiles of dissolved $^{226}$Ra activities and dissolved Ba concentrations with the conservative $^{226}$Ra and Ba vertical profiles derived from the OMP analysis, $^{226}$Ra/Ba ratios, Si(OH)$_4$ concentrations, salinity (black line) and potential temperature (red line) for (a) the Iberian margin and the West European Basin, (b) the Iceland Basin and the Irminger Sea, (c) the Greenland margin, and (d) the Labrador Sea and the Newfoundland margin. Note that the scale may be different from one station to the other and the vertical axis was cut to 1000 m. The bottom is represented by the bottom axis.

Figure S3: Location of each endmember source water types (SWTs) used for the OMP analysis (black circles). The surface of the basin, $S$, used to calculate the fluxes is represented by the grey hatched area.

Figure S4: Satellite Chlorophyll-a concentrations (MODIS Aqua from http://oceancolor.gsfc.nasa.gov), in mg m$^{-3}$ during the GA01 cruise in (a) May 2014 and (b) June 2014. The dashed line indicates the location of the GA01 section. Stations investigated in this work are indicated by dots. White dots indicate the stations investigated during the corresponding month.

Figure S5: Schematic box model used to calculate the input fluxes in the West European Basin: $F_{\text{Sed-x}}$ is the flux diffusing out of bottom sediments, $F_{\text{Part-x}}$ is the vertical flux of particles entering the box from above, $F_{\text{Accumulation-x}}$ is the flux of particles accumulating in the sediment and $F_{\text{H-In-x}}$ and $F_{\text{H-Out-x}}$ represent horizontal fluxes of dissolved species or particles coming in and out of the box due to transport, respectively. $x$ is either $^{226}$Ra or Ba.

Table S1: Characteristics and location of each endmember source water types (SWTs).

Table S2: $^{226}$Ra activities, Ba concentrations, $^{226}$Ra/Ba ratios, potential temperature and salinity at the different stations of the GA01 section.
Figure S1

The figure shows a graph of $^{226}\text{Ra}$ (dpm 100 L$^{-1}$) versus depth (m) for different samples labeled GA03-01, GA01-13, and GA01-01. The depth ranges from 0 to 3500 m, and the $^{226}\text{Ra}$ values range from 0 to 500 dpm 100 L$^{-1}$. The inset map indicates the geographic locations of the samples.
Figure S2
Figure S2

C)
# Table S1

| OMP analysis characteristics | Used endmembers characteristics and location | References |
|------------------------------|---------------------------------------------|-------------|
|                              | Tpot \(^{\circ}\text{C}\) | \(^{226}\text{Ra}\) (dpm 100 L\(^{-1}\)) | Ba (nmol L\(^{-1}\)) | Longitude (\(^{\circ}\text{W}\)) | Latitude (\(^{\circ}\text{N}\)) | Depth (m) | Tpot (\(^{\circ}\text{C}\)) | S | |
| Central Waters               | 14.15 | 35.93 | 8.19 | 38.17 | GA01 Stations 1.1 and 21 | 100-600 | 14.15 | 35.93 | GA01 (Stations 1-13-21) | TTO |
| SAIW6                        | 6.00  | 34.70 | 9.85 | 44.99 | 33.66 | 52.69 | 5.73 | 34.89 | TTO |
| SAIW4                        | 4.50  | 34.80 | 9.77 | 45.86 | 43.07 | 16.94 | 3.39 | 34.82 | TTO |
| SPMW7                        | 7.07  | 35.16 | 8.88 | 39.57 | GA01 Station 38 | 100 | 7.07 | 35.16 | GA01 (Station 38) |
| SPMW8                        | 8.00  | 35.23 | 9.70 | 43.09 | 33.62 | 53.76 | 5 | 8.23 | 35.05 | GEOSECS |
| IrSPMW                      | 5.00  | 35.01 | 8.52 | 40.03 | 33.31 | 64.09 | 200-400 | 5.20 | 34.99 | TTO |
| LSW                          | 3.40  | 34.87 | 9.51 | 43.30 | 52.74 | 58.65 | 1500-2300 | 3.26 | 34.91 | TTO |
| MW                           | 11.74 | 36.50 | 9.34 | 52.56 | 10.35 | 36.27 | 800-1700 | 11.9 | 36.3 | (Schmidt and Reyss. 1996) |
| ISOW                         | 2.70  | 34.98 | 8.18 | 46.98 | 18.62 | 60.41 | 2500 | 3.28 | 34.99 | GEOSECS |
| DSOOW                        | 1.30  | 34.91 | 9.31 | 43.91 | 35.22 | 63.52 | 2300 | 1.56 | 34.89 | GEOSECS |
| PIW                          | 0.00  | 34.65 | 8.31 | 40.80 | 10.56 | 68.73 | 200-400 | -0.28 | 34.88 | TTO |
| NEADWL                       | 1.98  | 34.90 | 16.76 | 75.74 | 39.30 | 12.00 | 5000-5400 | 1.77 | 34.87 | TTO |
| Sample Depth | $^{226}$Ra | $^{226}$Ra error | Ba | Ra/Ba | T | S |
|--------------|------------|------------------|----|--------|----|----|
| (m)          | (dpm 100L$^{-1}$) | (dpm 100L$^{-1}$) | (nmol L$^{-1}$) | (dpm µmol$^{-1}$) | ($^\circ$C) | (psu) |
| **Station 1** |            |                  |    |        |    |    |
| 3449.8       | 16.91      | 0.391            | 80.48 | 2.10  | 2.56 | 34.92 |
| 3398.0       | 17.46      | 0.54             | 73.71 | 2.37  | 2.58 | 34.92 |
| 3153.6       | 15.77      | 0.541            | 72.10 | 2.19  | 2.71 | 34.94 |
| 2957.9       | 16.16      | 0.45             | 70.57 | 2.29  | 2.84 | 34.95 |
| 2467.9       | 14.09      | 0.483            | 60.89 | 2.31  | 3.36 | 35.01 |
| 1976.8       | 11.76      | 0.259            | 52.68 | 2.23  | 4.35 | 35.11 |
| 1483.5       | 10.92      | 0.291            | 52.97 | 2.06  | 8.70 | 35.83 |
| 1039.4       | 9.83       | 0.319            | 47.92 | 2.05  | 11.12 | 36.14 |
| 792.2        | 9.72       | 0.369            | 45.05 | 2.16  | 11.69 | 36.07 |
| 644.7        | 9.98       | 0.393            | 45.37 | 2.20  | 11.51 | 35.89 |
| 545.7        | 9.16       | 0.486            | 41.16 | 2.23  | 11.34 | 35.72 |
| 347.5        | 8.77       | 0.369            | 38.71 | 2.26  | 11.92 | 35.67 |
| 248.3        | 8.03       | 0.275            | 37.14 | 2.16  | 12.30 | 35.69 |
| 169.9        | 7.99       | 0.239            | 36.52 | 2.19  | 12.65 | 35.71 |
| 99.4         | 8.56       | 0.328            | 42.11 | 2.03  | 13.16 | 35.74 |
| 37.8         | 7.98       | 0.316            | 35.44 | 2.25  | 15.06 | 35.50 |
| 17.9         | 8.84       | 0.352            | 35.82 | 2.47  | 15.85 | 35.24 |
| **Station 13** |            |                  |    |        |    |    |
| 5283.8       | 16.51      | 0.45             | 78.30 | 2.11  | 2.56 | 34.90 |
| 5053.2       | 18.46      | 0.51             | 76.73 | 2.41  | 2.54 | 34.90 |
| 4802.8       | 18.30      | 0.42             | 76.22 | 2.40  | 2.52 | 34.90 |
| 4202.1       | 17.93      | 0.49             | 75.40 | 2.38  | 2.50 | 34.91 |
| 3446.5       | 16.81      | 0.38             | 71.69 | 2.34  | 2.64 | 34.93 |
| 2468.6       | 13.22      | 0.31             | 58.15 | 2.27  | 3.31 | 34.98 |
| 1779.8       | 10.41      | 0.32             | 45.81 | 2.27  | 4.44 | 35.08 |
| 1187.4       | 10.36      | 0.34             | 46.09 | 2.25  | 9.36 | 35.85 |
| 989.9        | 9.70       | 0.34             | 44.22 | 2.19  | 9.22 | 35.62 |
| 793.1        | 9.50       | 0.22             | 41.49 | 2.29  | 10.28 | 35.60 |
| 595.1        | 9.31       | 0.37             | 38.43 | 2.42  | 11.39 | 35.61 |
| 446.5        | 7.71       | 0.26             | 37.48 | 2.06  | 11.82 | 35.62 |
| 346.4        | 8.28       | 0.20             | 36.94 | 2.24  | 12.11 | 35.65 |
| 248.2        | 8.29       | 0.32             | 36.37 | 2.28  | 12.38 | 35.68 |
| 168.8        | 8.22       | 0.33             | 35.94 | 2.29  | 12.73 | 35.73 |
| 98.3         | 8.15       | 0.30             | 35.94 | 2.27  | 12.99 | 35.75 |
| 45.7         | 7.74       | 0.29             | 36.78 | 2.10  | 13.56 | 35.77 |
| 14.9         | 7.85       | 0.27             | 35.50 | 2.21  | 15.48 | 35.85 |
| **Station 21** |            |                  |    |        |    |    |
| 4486.9       | 18.28      | 0.62             | 80.41 | 2.27  | 2.57 | 34.91 |
| 4447.1       | 18.63      | 0.38             | 81.50 | 2.29  | 2.57 | 34.91 |
| 4175.8       | 24.87      | 0.74             | 78.47 | 3.17  | 2.56 | 34.91 |
| 3948.0       | 20.62      | 0.45             | 78.43 | 2.63  | 2.56 | 34.91 |
| 3502.4       | 16.86      | 0.57             | 71.93 | 2.34  | 2.69 | 34.93 |
| 3199.7       | 14.10      | 0.34             | 62.98 | 2.24  | 2.83 | 34.94 |
| 2712.4       | 11.17      | 0.30             | 58.38 | 2.47  | 3.09 | 34.94 |
| 1975.6       | 9.96       | 0.41             | 45.65 | 2.18  | 3.70 | 34.93 |
| 1386.0       | 9.25       | 0.33             | 43.46 | 2.13  | 5.00 | 35.06 |
| 793.7        | 9.66       | 0.26             | 43.29 | 2.23  | 0.12 | 32.74 |
| 595.8        | 8.22       | 0.34             | 40.68 | 2.02  | 10.60 | 35.44 |
| 447.3        | 8.58       | 0.34             | 39.47 | 2.17  | 11.13 | 35.52 |
| 297.6        | 8.00       | 0.27             | 38.97 | 2.05  | 11.76 | 35.60 |
| 223.3        | 8.71       | 0.25             | 39.03 | 2.23  | 12.02 | 35.63 |
| 147.9        | 7.55       | 0.23             | 39.59 | 1.91  | 12.34 | 35.68 |
| 74.5         | 8.36       | 0.29             | 43.25 | 1.93  | 12.70 | 35.66 |
| 24.8         | 8.61       | 0.33             | 40.48 | 2.13  | 13.76 | 35.68 |
| Station 26 |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|
|           | 4118.5| 18.21 | 0.66  | 79.07 | 2.30  |
|           | 3735.9| 15.50 | 0.56  | 74.63 | 2.08  |
|           | 3444.3| 15.13 | 0.57  | 68.67 | 2.20  |
|           | 2760.1| 11.99 | 0.46  | 51.69 | 2.32  |
|           | 1974.6| 10.66 | 0.44  | 44.37 | 2.40  |
|           | 989.7 | 9.18  | 0.31  | 41.58 | 2.21  |

| Station 32 |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
|            | 3222.0| 12.39 | 0.40  | 53.56 | 2.31  |
|            | 2855.6| 11.92 | 0.44  | 46.96 | 2.54  |
|            | 2268.0| 11.38 | 0.44  | 46.74 | 2.43  |
|            | 1973.6| 10.15 | 0.38  | 43.33 | 2.34  |
|            | 1679.7| 9.14  | 0.36  | 43.10 | 2.12  |
|            | 1482.0| 9.32  | 0.25  | 43.45 | 2.15  |
|            | 793.7 | 6.74  | 0.29  | 42.72 | 1.58  |
|            | 594.1 | 9.32  | 0.31  | 41.05 | 2.27  |
|            | 447.8 | 9.53  | 0.40  | 43.63 | 2.18  |
|            | 376.5 | 9.72  | 0.34  | 44.11 | 2.20  |
|            | 198.3 | 9.26  | 0.31  | 42.21 | 2.19  |
|            | 148.7 | 9.17  | 0.22  | 42.86 | 2.14  |
|            | 60.5  | 8.24  | 0.24  | 41.34 | 1.99  |
|            | 12.9  | 7.81  | 0.24  | 40.07 | 1.95  |
|            | 6.0   | 6.89  | 0.25  | 33.60 | 2.05  |
|            | 6.0   | 7.04  | 0.24  | 33.60 | 2.09  |

| Station 38 |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
|            | 1235.3| 11.87 | 0.52  | 43.91 | 2.70  |
|            | 1235.3| 10.62 | 0.37  | 46.81 | 2.27  |
|            | 840.9 | 9.13  | 0.30  | 41.48 | 2.20  |
|            | 643.4 | 9.37  | 0.36  | 39.51 | 2.37  |
|            | 298.2 | 9.14  | 0.38  | 39.73 | 2.30  |
|            | 198.2 | 8.23  | 0.28  | 39.19 | 2.10  |
|            | 147.7 | 9.01  | 0.32  | 38.90 | 2.32  |
|            | 99.1  | 8.88  | 0.21  | 39.57 | 2.24  |
|            | 59.5  | 8.47  | 0.25  | 38.39 | 2.21  |
|            | 19.8  | 7.98  | 0.27  | 37.86 | 2.11  |
|            | 5.0   | 9.44  | 0.36  | 38.95 | 2.10  |
|            | 5.0   | 8.27  | 0.33  | 38.67 | 2.37  |

| Station 44 |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
|            | 2917.9| 8.85  | 0.24  | 41.75 | 2.19  |
|            | 2883.7| 9.44  | 0.42  | 43.31 | 2.29  |
|            | 2748.7| 9.58  | 0.40  | 45.53 | 2.31  |
|            | 2560.9| 9.76  | 0.33  | 42.58 | 2.23  |
|            | 1973.7| 9.54  | 0.34  | 46.20 | 2.05  |
|            | 1481.2| 9.66  | 0.24  | 43.15 | 2.16  |
|            | 1136.6| 9.51  | 0.26  | 42.13 | 2.20  |
|            | 839.7 | 8.66  | 0.29  | 39.83 | 2.23  |
|            | 593.8 | 8.89  | 0.34  | 40.03 | 2.26  |
|            | 494.9 | 9.27  | 0.37  | 40.33 | 2.16  |
|            | 288.2 | 8.47  | 0.36  | 39.83 | 2.19  |
|            | 199.1 | 9.00  | 0.30  | 40.11 | 2.03  |
|            | 137.7 | 8.92  | 0.32  | 40.75 | 2.25  |
|            | 78.3  | 9.03  | 0.20  | 40.19 | 2.47  |
|            | 18.8  | 9.11  | 0.26  | 39.69 | 2.29  |

| Station 53 |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
|            | 182.4 | 9.91  | 0.37  | 40.32 | 2.46  |
|            | 138.9 | 9.00  | 0.30  | 40.40 | 2.23  |
|            | 99.2  | 8.99  | 0.35  | 40.32 | 2.23  |
|            | 79.4  | 8.39  | 0.29  | 42.23 | 1.99  |
|            | 49.6  | 8.20  | 0.25  | 41.93 | 1.95  |
| Station | Value 1 | Value 2 | Value 3 | Value 4 | Value 5 | Value 6 |
|---------|--------|--------|--------|--------|--------|--------|
| Station 57 | 553.3 | 8.21 | 0.23 | 40.04 | 2.05 | 5.20 | 34.92 |
|          | 298.1 | 9.33 | 0.34 | 40.31 | 2.32 | 5.16 | 34.90 |
|          | 148.6 | 9.21 | 0.37 | 49.23 | 1.87 | 4.60 | 34.76 |
|          | 25.8  | 8.86 | 0.37 | 38.99 | 2.27 | 3.91 | 34.48 |
|          | 4.0   | 9.00 | 0.29 | 41.36 | 2.18 | 1.85 | 33.96 |
| Station 60 | 1696.6 | 9.31 | 0.42 | 42.35 | 2.20 | 3.07 | 34.91 |
|          | 1579.6 | 8.62 | 0.33 | 42.31 | 2.04 | 3.29 | 34.91 |
|          | 1482.2 | 10.36 | 0.42 | 42.25 | 2.45 | 3.37 | 34.92 |
|          | 1383.8 | 11.47 | 0.48 | 41.99 | 2.73 | 3.41 | 34.92 |
|          | 1187.8 | 9.08 | 0.38 | 41.07 | 2.21 | 3.66 | 34.93 |
|          | 987.7  | 9.21 | 0.30 | 40.43 | 2.28 | 3.83 | 34.92 |
|          | 743.9  | 8.84 | 0.21 | 39.08 | 2.26 | 3.92 | 34.90 |
|          | 397.0  | 8.80 | 0.25 | 39.01 | 2.26 | 4.39 | 34.92 |
|          | 249.6  | 8.25 | 0.24 | 39.75 | 2.07 | 4.69 | 34.94 |
|          | 150.6  | 8.92 | 0.32 | 39.83 | 2.24 | 5.32 | 34.97 |
|          | 109.0  | 9.49 | 0.38 | 39.62 | 2.39 | 5.63 | 34.99 |
|          | 49.6   | 9.78 | 0.36 | 39.43 | 2.48 | 6.12 | 34.96 |
|          | 19.8   | 9.29 | 0.33 | 39.26 | 2.37 | 6.69 | 34.89 |
|          | 133.9  | 13.49 | 0.39 | 42.63 | 3.16 | 0.11 | 33.48 |
|          | 119.0  | 9.33 | 0.33 | 43.75 | 2.13 | -0.32 | 33.31 |
|          | 78.4   | 9.45 | 0.22 | 47.70 | 1.98 | -1.06 | 32.96 |
|          | 49.6   | 8.60 | 0.24 | 49.38 | 1.74 | -0.63 | 32.81 |
|          | 19.9   | 7.82 | 0.27 | 43.80 | 1.79 | -0.23 | 32.57 |
|          | 3.0    | 9.17 | 0.35 | 41.50 | 2.21 | 0.03 | 32.37 |
| Station 64 | 2464.0 | 7.65 | 0.31 | 42.79 | 1.79 | 2.33 | 34.90 |
|          | 2414.1 | 10.37 | 0.42 | 48.65 | 2.13 | 2.49 | 34.91 |
|          | 2365.1 | 10.96 | 0.45 | 44.68 | 2.45 | 2.54 | 34.91 |
|          | 2169.0 | 10.70 | 0.42 | 43.65 | 2.45 | 2.78 | 34.92 |
|          | 2069.9 | 9.75 | 0.41 | 42.56 | 2.29 | 2.89 | 34.92 |
|          | 1727.2 | 10.54 | 0.35 | 48.42 | 2.18 | 3.26 | 34.92 |
|          | 1284.4 | 8.79 | 0.31 | 38.93 | 2.26 | 3.75 | 34.92 |
|          | 988.7  | 8.94 | 0.20 | 38.71 | 2.31 | 3.55 | 34.86 |
|          | 790.4  | 9.14 | 0.35 | 38.29 | 2.39 | 3.68 | 34.87 |
|          | 643.2  | 9.06 | 0.21 | 38.74 | 2.34 | 3.85 | 34.89 |
|          | 495.0  | 8.87 | 0.37 | 39.87 | 2.23 | 4.09 | 34.91 |
|          | 396.1  | 9.02 | 0.36 | 39.65 | 2.28 | 4.30 | 34.93 |
|          | 297.1  | 8.44 | 0.24 | 40.24 | 2.10 | 4.49 | 34.93 |
|          | 198.1  | 9.10 | 0.32 | 38.77 | 2.35 | 4.76 | 34.94 |
|          | 118.9  | 8.82 | 0.21 | 39.42 | 2.24 | 5.06 | 34.95 |
|          | 77.3   | 7.24 | 0.29 | 40.12 | 1.81 | 5.40 | 34.96 |
|          | 39.7   | 8.74 | 0.29 | 39.01 | 2.24 | 5.79 | 34.77 |
|          | 4.0    | 8.44 | 0.33 | 38.58 | 2.19 | 6.37 | 34.73 |
| Station 69   |   |   |   |   |   |
|-------------|---|---|---|---|---|
|            |   |   |   |   |   |
| 3672.3      | 9.46 | 0.36 | 40.40 | 2.34 | 1.64 | 34.90 |
| 3672.3      | 9.09 | 0.32 | 40.40 | 2.25 | 1.64 | 34.90 |
| 3624.6      | 8.62 | 0.20 | 39.58 | 2.18 | 1.67 | 34.90 |
| 3440.4      | 9.02 | 0.26 | 45.02 | 2.00 | 2.07 | 34.90 |
| 3343.8      | 8.81 | 0.31 | 43.79 | 2.01 | 2.29 | 34.91 |
| 2952.1      | 9.69 | 0.33 | 43.87 | 2.21 | 2.76 | 34.92 |
| 2756.5      | 9.80 | 0.29 | 43.70 | 2.24 | 2.92 | 34.92 |
| 2464.8      | 8.44 | 0.24 | 42.67 | 1.98 | 3.13 | 34.92 |
| 2169.6      | 9.23 | 0.30 | 48.25 | 1.91 | 3.37 | 34.92 |
| 1776.8      | 8.78 | 0.34 | 40.88 | 2.15 | 3.69 | 34.92 |
| 791.6       | 8.89 | 0.35 | 39.25 | 2.27 | 3.47 | 34.85 |
| 456.5       | 9.01 | 0.39 | 39.85 | 2.26 | 3.52 | 34.85 |
| 456.5       | 8.77 | 0.31 | 39.90 | 2.20 | 3.52 | 34.85 |
| 296.2       | 9.15 | 0.33 | 40.66 | 2.25 | 3.63 | 34.86 |
| 148.7       | 8.72 | 0.21 | 40.01 | 2.18 | 3.77 | 34.85 |
| 99.1        | 8.60 | 0.25 | 43.46 | 1.98 | 3.65 | 34.81 |
| 69.4        | 8.21 | 0.23 | 38.76 | 2.12 | 3.70 | 34.80 |
| 40.7        | 8.90 | 0.34 | 38.66 | 2.30 | 3.97 | 34.74 |
| 19.8        | 8.76 | 0.33 | 37.72 | 2.32 | 5.41 | 34.61 |

| Station 77  |   |   |   |   |   |
|-------------|---|---|---|---|---|
|            |   |   |   |   |   |
| 2553.4      | 9.38 | 0.33 | 45.62 | 2.06 | 2.34 | 34.91 |
| 2464.3      | 10.15 | 0.41 | 46.48 | 2.18 | 2.41 | 34.91 |
| 2414.3      | 10.02 | 0.40 | 44.99 | 2.23 | 2.43 | 34.91 |
| 2340.8      | 11.00 | 0.47 | 46.22 | 2.38 | 2.53 | 34.92 |
| 1973.8      | 10.03 | 0.41 | 46.17 | 2.17 | 2.85 | 34.92 |
| 1677.9      | 9.30 | 0.38 | 53.04 | 1.75 | 3.16 | 34.92 |
| 1238.7      | 9.41 | 0.30 | 42.33 | 2.22 | 3.64 | 34.92 |
| 941.8       | 9.20 | 0.32 | 41.34 | 2.23 | 3.50 | 34.87 |
| 645.5       | 8.97 | 0.28 | 42.09 | 2.13 | 3.63 | 34.88 |
| 458.6       | 8.81 | 0.24 | 41.14 | 2.14 | 3.57 | 34.86 |
| 348.8       | 9.20 | 0.34 | 42.59 | 2.16 | 3.52 | 34.85 |
| 247.8       | 9.06 | 0.24 | 40.59 | 2.23 | 3.45 | 34.83 |
| 149.7       | 8.72 | 0.33 | 40.62 | 2.15 | 3.48 | 34.81 |
| 69.4        | 9.58 | 0.33 | 40.57 | 2.36 | 3.40 | 34.75 |
| 44.6        | 8.61 | 0.27 | 42.81 | 2.01 | 3.58 | 34.72 |
| 18.8        | 9.96 | 0.25 | 40.44 | 2.46 | 5.74 | 34.58 |
| 4.0         | 6.75 | 0.28 | 40.26 | 1.68 | 6.36 | 34.53 |

| Station 78  |   |   |   |   |   |
|-------------|---|---|---|---|---|
|            |   |   |   |   |   |
| 367.8       | 9.68 | 0.36 | 42.48 | 2.28 | 2.94 | 34.62 |
| 367.8       | 9.65 | 0.37 | 42.48 | 2.27 | 2.94 | 34.62 |
| 367.8       | 9.14 | 0.31 | 42.48 | 2.15 | 2.94 | 34.62 |
| 277.7       | 7.67 | 0.26 | 42.19 | 1.82 | 1.83 | 34.34 |
| 228.1       | 7.58 | 0.27 | 44.93 | 1.69 | 1.09 | 34.16 |
| 69.5        | 8.77 | 0.20 | 45.14 | 1.94 | -1.40 | 33.20 |
| 44.7        | 6.71 | 0.21 | 46.91 | 1.43 | -1.37 | 33.04 |
| 19.9        | 8.58 | 0.19 | 45.23 | 1.90 | 0.11 | 32.73 |