

Readme file for pCO<sub>2</sub> in marine air and in surface seawater during the MR14-04 cruise

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File name: MR14-04\_air and MR14-04\_sea

For the MR14-04\_air.csv file,

Columns:

- 1) Year, Month, Day (UTC)
- 2) Hour, Minutes, Seconds (UTC)
- 3) Latitude (decimal)
- 4) Longitude (decimal)
- 5) Sea surface temperature (°C)
- 6) Sea surface salinity
- 7) Air pressure (hPa)
- 8) Wind direction (degree)
- 9) Wind speed (m s<sup>-1</sup>)
- 10) xCO<sub>2</sub> in dry air (ppmv)

For the MR14-04\_sea.csv file,

Columns:

- 1) Year, Month, Day (UTC)
- 2) Hour, Minutes, Seconds (UTC)
- 3) Latitude (decimal)
- 4) Longitude (decimal)
- 5) Sea surface temperature
- 6) Sea surface salinity
- 7) Equilibrator temperature (°C)
- 8) Equilibrator pressure (hPa)
- 9) Air Pressure (hPa)
- 10) xCO<sub>2</sub> in equilibrator (ppmv)

11)  $p\text{CO}_2$  in equilibrator (uatm)

12)  $p\text{CO}_2$  at SST (uatm)

13)  $x\text{CO}_2$  in dry air (ppmv)