

Baltic-C Meta-data-set:

Measurements taken at the Östergarnsholm field station for one year

1.) General description of the data set:

Hourly measurements during one year taken at the Östergarnsholm field station. Data include micrometeorological parameters, pCO₂ in water and air and sea surface temperature. For specific wind directions the data represent open sea conditions. Additional data is also available on request.

2.) Created:

During 2009.

3.) Last update:

January, 2011.

4.) Keywords:

Micrometeorological measurements, buoy pCO₂, Östergarnsholm field station.

5.) Area:

Östergarnsholm field station, Baltic Proper

6.) Spatial extension:

Point measurements.

7.) Spatial resolution:

Point measurements

8.) Time window:

2009.

9.) Temporal resolution:

Hourly data.

10.) Data and arrays:

Ascii data of temperature, wind, pressure, relative humidity, insolation, turbulent heat flux, pCO₂ in atmosphere and ocean and water temperature.

11.) Reference to other data sets:

Site and type of data analysis is described in Rutgersson et al (2008).

12.) Data quality (degree of validation):

Data has undergone an initial quality control.

13.) Where to find the data?

Data available by contact person

14.) Contact persons:

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References:

Rutgersson, A., M. Norman, B. Schneider, H. Pettersson, E. , Sahlée. The annual cycle of carbon-dioxide and parameters influencing the air-sea carbon exchange in the Baltic Proper. *J. Mar. Syst.*, 74, 381-394. 2008