

BalticC_MarineData: Cruise ARANDA 2009 winter

1.) General description of the data set:

Data set of total CO₂, total alkalinity, pCO₂, pH, O₂, H₂S, fluorescence, nutrient concentrations, temperature and salinity from vertical profiles from several stations of the Baltic Sea from the Kattegat to the Bothnian Bay

2.) Created:

06/2009

3.) Last update:

01/2010

4.) Keywords:

Baltic Sea, vertical profiles, total CO₂, alkalinity, nutrients, pH

5.) Area:

Baltic Sea (Kattegat to Gulf of Bothnia, Gulf of Finland)

6.) Spatial extension:

Longitude: 11.6 – 28.1 E

Latitude: 54.7 – 65.4 N

7.) Spatial resolution:

Horizontal see station map

Vertical: every 5 to 20m from surface to bottom (total alkalinity and total CO₂ in some cases only from 5m and bottom)

8.) Time window:

12.01. – 06.02.2009

9.) Temporal resolution:

Usually one vertical profile per station during the cruise

10.) Data and arrays:

Temperature, salinity, total alkalinity, total CO₂, pCO₂, pH, O₂, H₂S, NH₄, NO₃, NO₂, PO₄, SiO₄, total N, total P, fluorescence

11.) Reference to other data sets:

No

12.) Data quality (degree of validation):

Validated

13.) Where to find the data?

Data are stored in the Baltic-C data base and are available through the contact person;

14.) Contact person:

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Station map:

