

Subproject: Circulation And Exchange Processes At The Entrance To Godthåbsfjord

Actual field dates: February 18-22, 2013
 Field site: Godthåbsfjord and surroundings
 Number of man-days in the field: 48

Summary:

We conducted the first measurements of the exchange of heat, water and salinity at the entrance to Godthåbsfjord. Moorings were deploying off Godthåbsfjord to record continuous measurements year round from the relatively shallow shelf area. In addition several with hydrographic sections made within the area. Our measurements will determine the seasonal variation of coastal water masses and their role in the formation of the intermediate water masses in the fjord. We know that dense coastal inflows are important for the renewal of the Bottom Water mass in the fjord, but the actual processes generating these inflows are less well understood. Our continuous measurements in the project will therefore contribute to our understanding of the nature of these events, and whether these are specific for Godthåbsfjord or are of general nature.

Photos:

- Fig.1: Sampling stations within the fjord system
Credit: Søren Rysgaard
- Fig. 2: On our way into the Gorthåbsfjord
Credit: Søren Rysgaard
- Fig. 3: Sea ice in Gødthåbsfjord
Credit: Søren Rysgaard

Participants:

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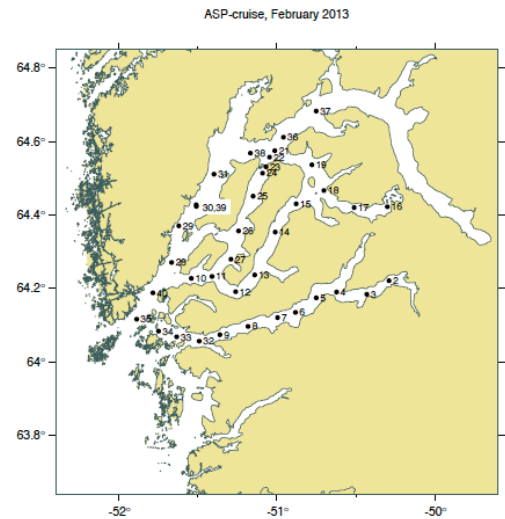


Figure 1



Figure 2



Figure 3