

Subproject: Seasonal dynamics of phytoplankton production in a glacier influenced fjord

Actual field dates: May 7-15, August 18-24, Sept. 25-October 2013
 Field site: Research Cruises onboard R/V ‘Sanna’ from Fyllas Banke-Godthåbsfjord (Length Section)
 Number of man-days in the field: 64

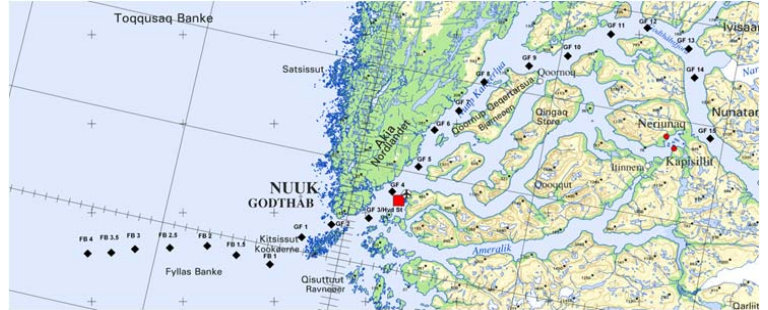


Figure 1

Summary:

All cruises were completed successfully. Samples were collected as planned and are being processed. Initial data analyzes on primary production, using newly acquired incubators, looks promising. The project aims at addressing questions about nutrient dynamics and potential seasonal limitation. Nutrient edition experiments, alongside control experiments, are expected to provide information the extent of nutrient limitation with depth, spatially along the length section and at different seasons. Furthermore, these experiments should also provide better estimates of the seasonal and annual primary production along the length section. Data analyses and ultimately publication of results continues.

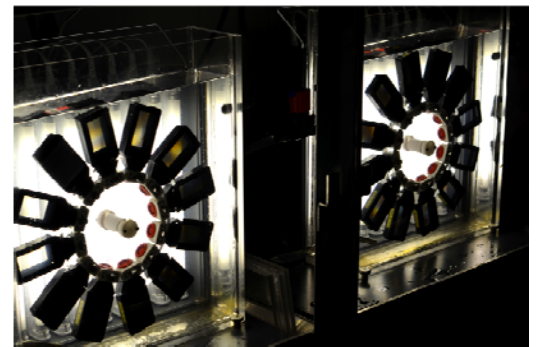


Figure 2

Photos:

- Fig.1: Length section sampled in May, August and September/October
Credit: -
- Fig. 2: Primary Production experiments in light incubators
Credit: Thomas Juul-Pedersen
- Fig. 3: Water sampling during the September Cruise
Credit: Thomas Juul-Pedersen

Participants:

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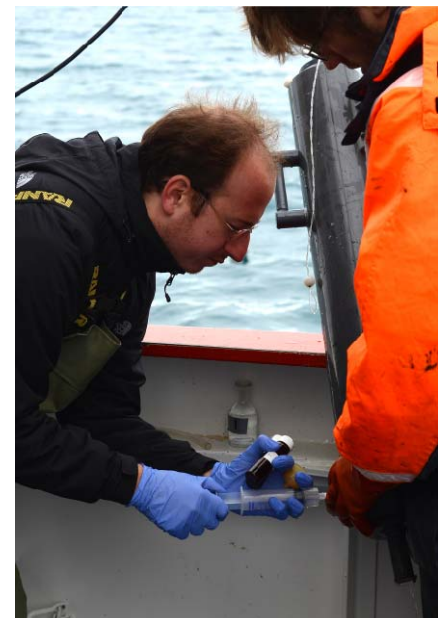


Figure 3

For more information contact: thpe@natur.gl