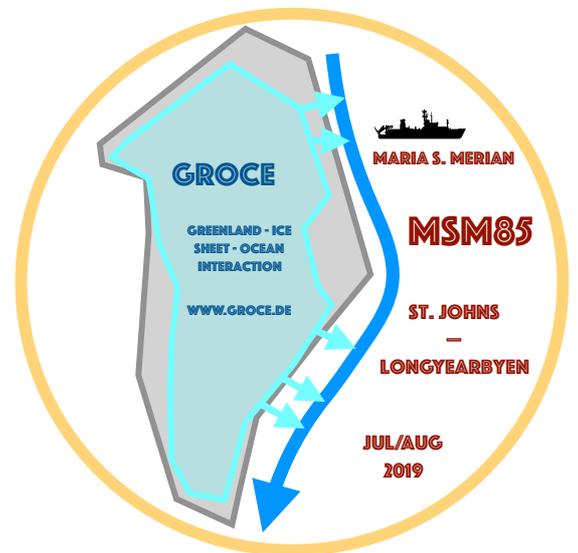


MSM 85

St. John's – Longyearbyen
July 23 to August 13, 2019

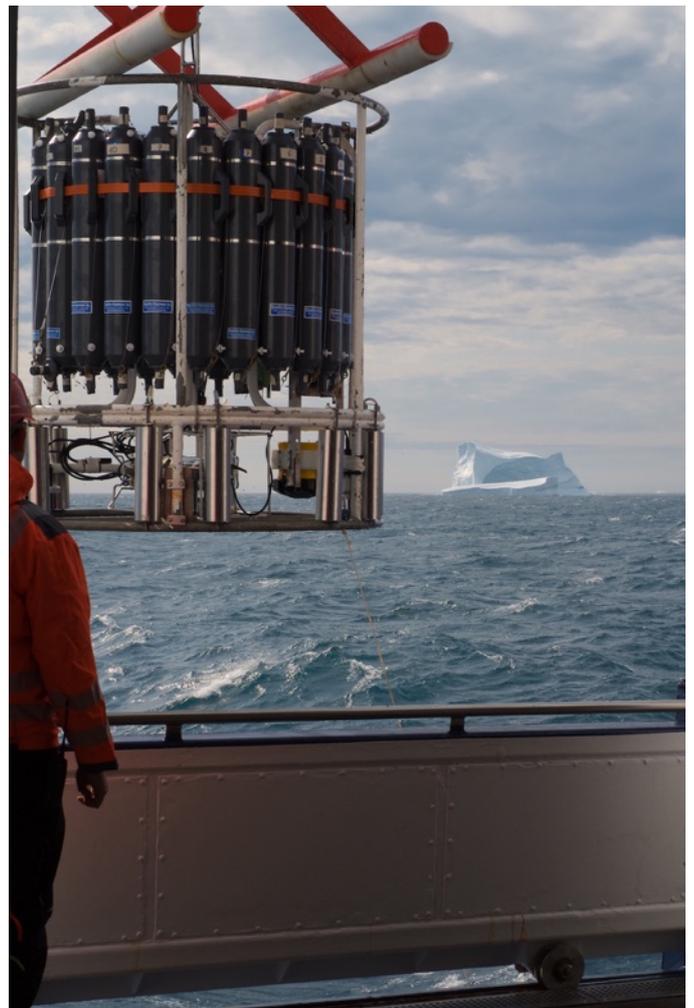


Weekly Report No. 2

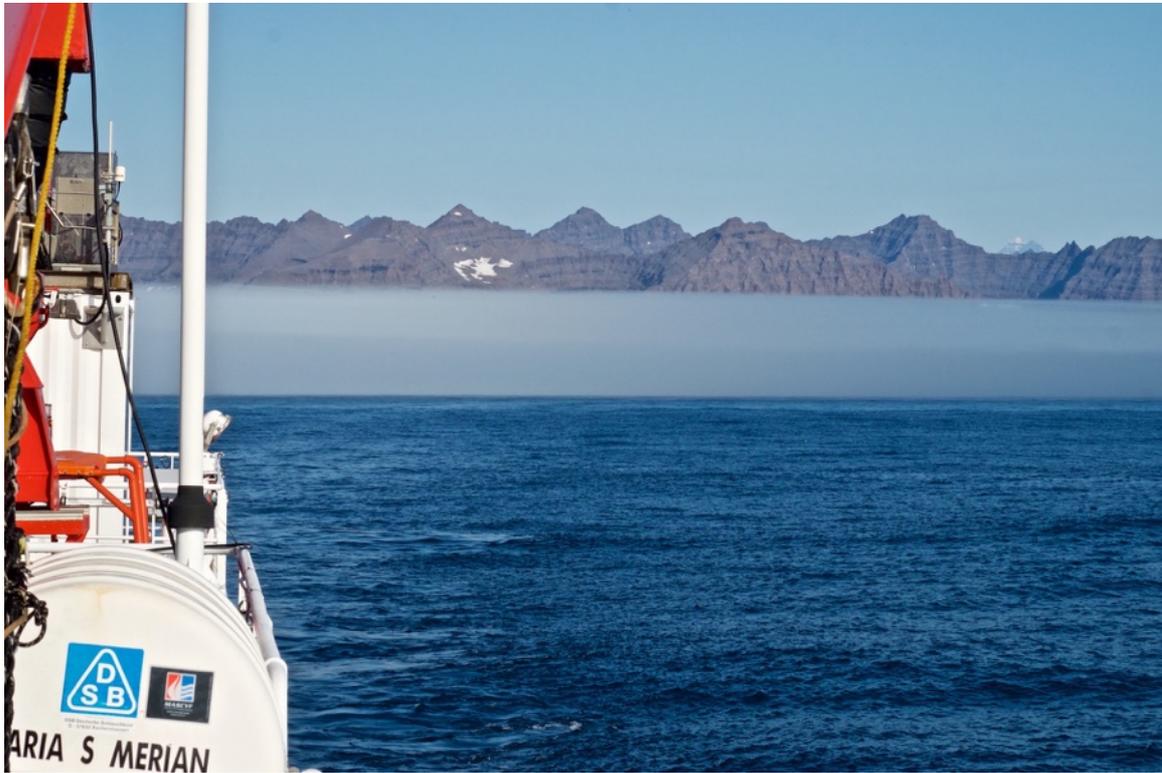
(July 29 to August 4, 2019)

Our second week on board the Maria S. Merian began with the continuation of a hydrographic section from the shallow shelf on the east coast of Greenland into the central Irminger Sea, which we reached on Monday night. After a good half-day transit to the northeast we then reached the first station of our second section in the evening. Along these sections we measure vertical profiles of temperature, salinity, oxygen and current velocity. In addition, numerous water samples are taken at the typically 18 to 25 stations along the sections. The samples are mostly sealed or frozen to be measured on shore after the cruise.

On Tuesday the weather got bad. Although we were able to continue our station work despite the strong winds, the twofish had to be recovered during this time due to the swell. The second section was



Recovery of the rosette water sampler with CTD close to the east coast of Greenland.



Dense fog close to the coast of Greenland.

completed on the morning of July 31 north of the Helheim Glacier. After an approximately one-day transit along the coast and past the Kangerlussuaq Glacier we reached the starting point of our section across the Denmark Strait. On this section towards Iceland and also on the following section from Iceland back to the Greenland coast the fog was our constant companion. At the same time, however, wind and swell have also decreased considerably, so that we have been able to make rapid progress with our work program. On the morning of August 4th the fog disappeared and we reached the last station of our fourth section in the best weather conditions and with a beautiful view of the entrance of the Scoresby Sound (Greenlandic: Kangertittivaq).

Everyone on board is fine and we are happy about the successful measurements and also about the spectacular impressions along the coast of Greenland.

Best wishes to all friends, families and colleagues on shore,

Christian Mertens, University of Bremen and the scientific

party of MSM85