

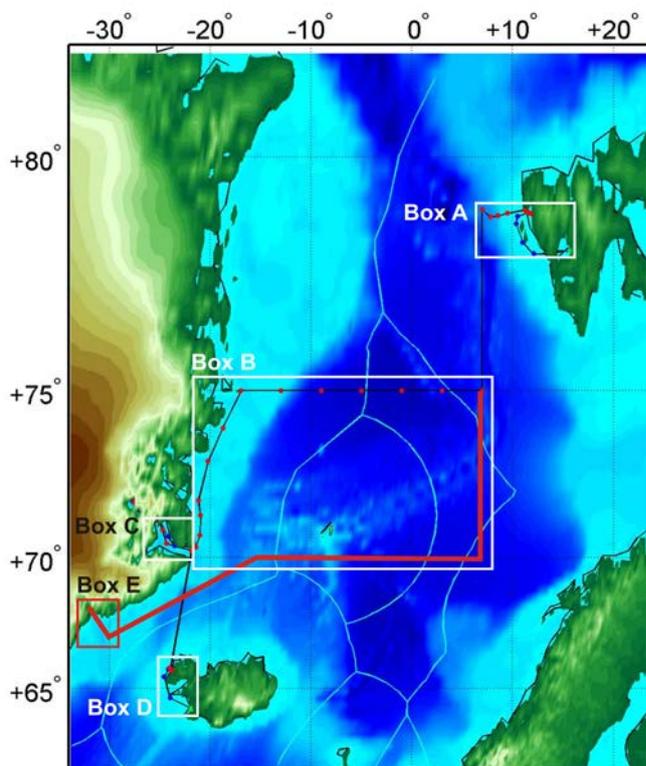
Maria S. Merian cruise MSM56
from July 2rd (Longyearbyen) to July 25th 2016 (Reykjavik)

Attachment 01: Geographical area of the intended work

Overview map

The overall operations will be within **79.2 N / 12.3 E** and **64.1 N / 33 W**.

Sampling stations will be located within boxes A-D (see map):



Box A:
79.2 N / 7.1 W and 78.1 N / 15.7 W

Box B:
75.1 N / 21.5 E and 69 N / 7 W

Box C:
72.1 N / 28.5 E and 70 N / 21.5 E

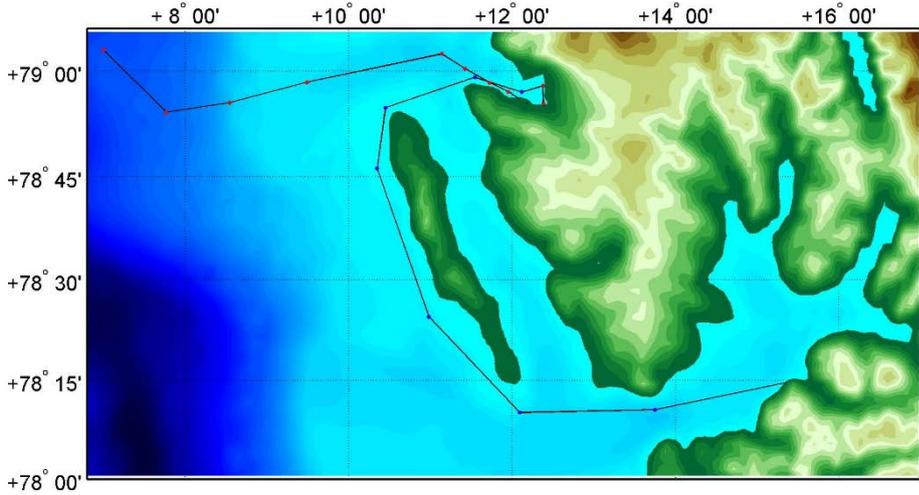
Box D:
66.5 N / 25 E and 64 N / 22.5 E

The locations of the station during the transit between Svalbard and Greenland will depend on ice conditions. The red line represents an alternative route, passing through EEZ Jan Mayen, in case of heavy ice conditions. Box E represents an

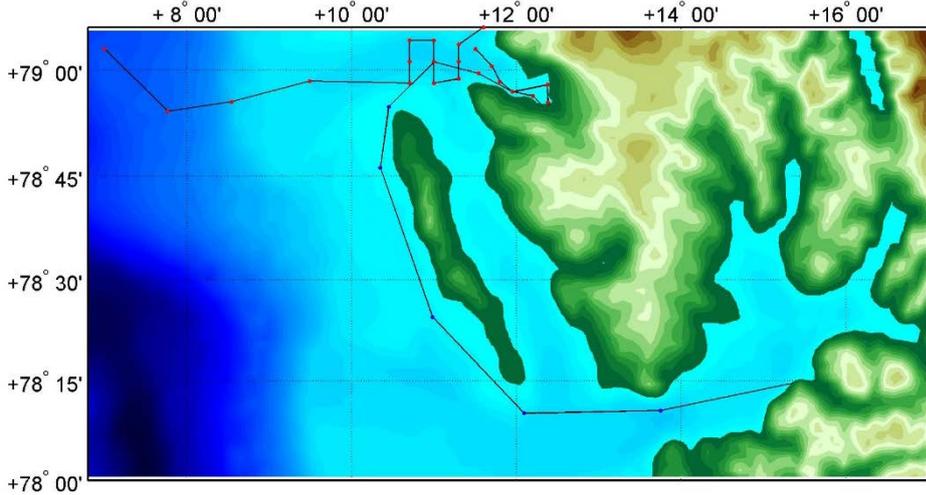
alternative fjord sampling in Kangerdlugssuaq fjord in case Scoresby Sund is not accessible due to ice conditions.

Box E: 69 N / 33 E and 67.5 N / 31 E

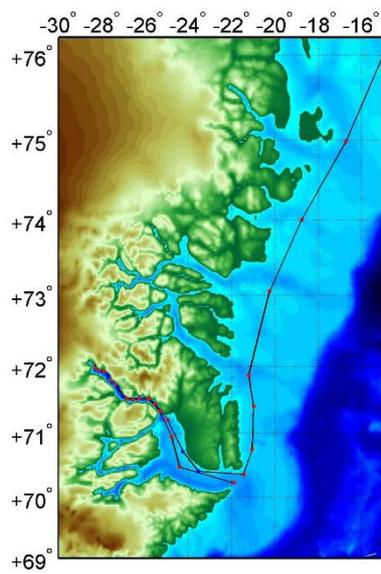
Spitzbergen



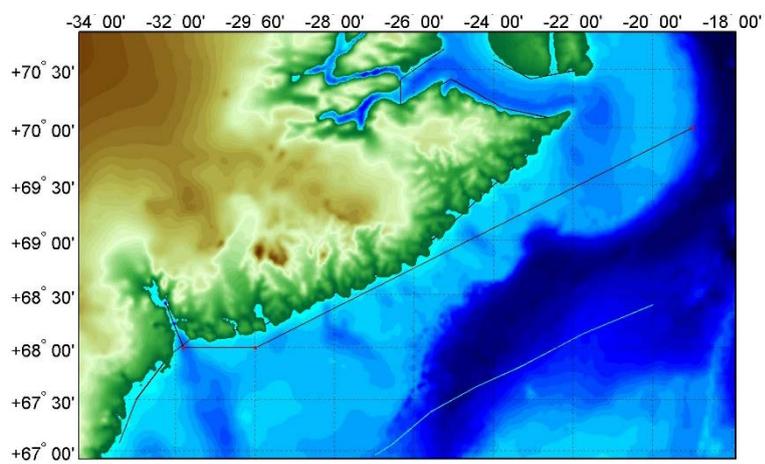
Alternative extended sampling in case of heavy ice conditions in Scoresby Sund (Greenland):



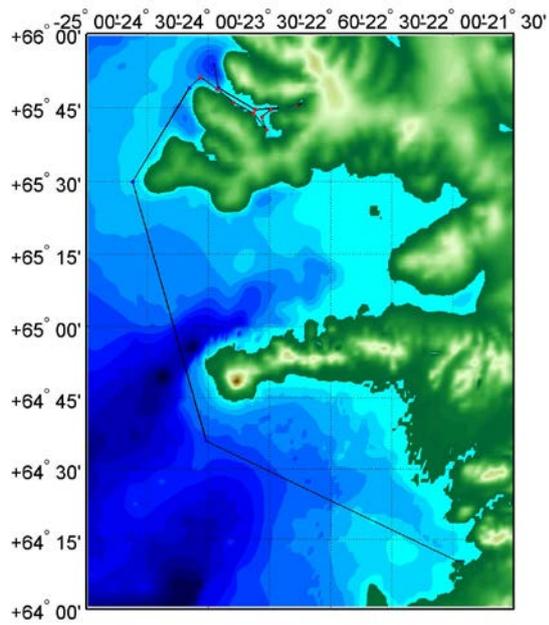
Scoresby Sund (Greenland)



Alternative extended sampling in case of heavy ice conditions in Scoresby Sund (Greenland): Kangerdlugssuaq fjord (Greenland)



Iceland



Overview station activities

Table 1. Instrument overview: Standard stations (n=50) include the first five instruments in the list.

Instrument	No. of casts	Total deployment time [h]
CTD/ROS	50	62.80
Plankton Net	50	25.00
Zooplankton Net	50	25.00
Light sensor	50	15.00
Pump system	50	25.00
Drifting sediment trap	6	6.00
Van Veen Grab	4	1.65
Zodiac	4	8.00