Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2023S111
IMEI: 300534061253890
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 01.06.2023 16:00
Position (Lat/Lon): -70.59160/-7.82340
Region: Atka 11
Contact:
Lukas Muser (AWI)
Expedition name: AFIN 2023
Means of deployment: stationary time series

Snow and ice conditions

Snow depth: 0.1 m
Ice thickness: 0.99 m
Ice freeboard: 0.01 m
Ice types:
Fast Ice

Buoy-specific parameters

Temp correction: off
Initial sh4: 0.022 m
Initial sh3: 0.06 m
Initial sh2: 0.122 m
Initial sh1: 0.123 m

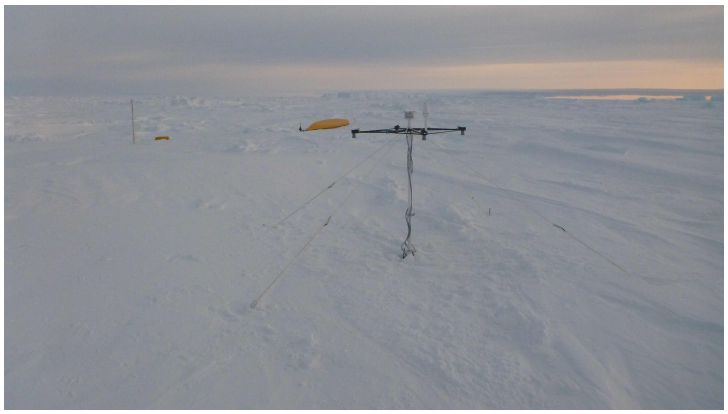
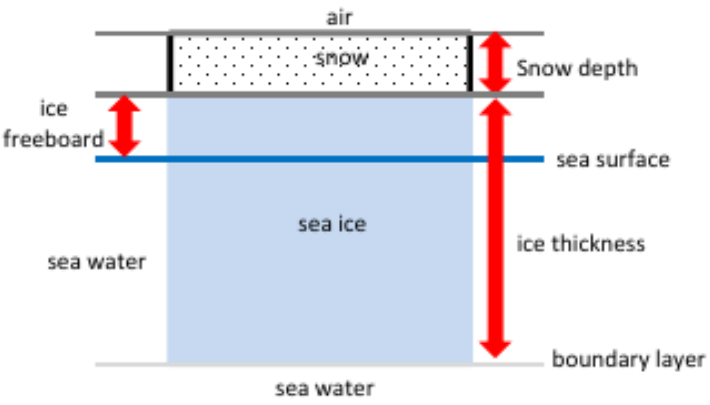


Photo credits:



Additional information *(comments, weather, topography, ice floe size, etc.)*

Position north of Atka11 on immobile fast ice, partly uneven surface with rafted ice
Bore hole got flooded during deployment, hence, snow layer got impregnated with sea water and partly coverd with slush ice. The snow thickness under sensors was measured one day after the deployment when the slush was frozen again.