Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2017M6
IMEI: 300025060005540
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

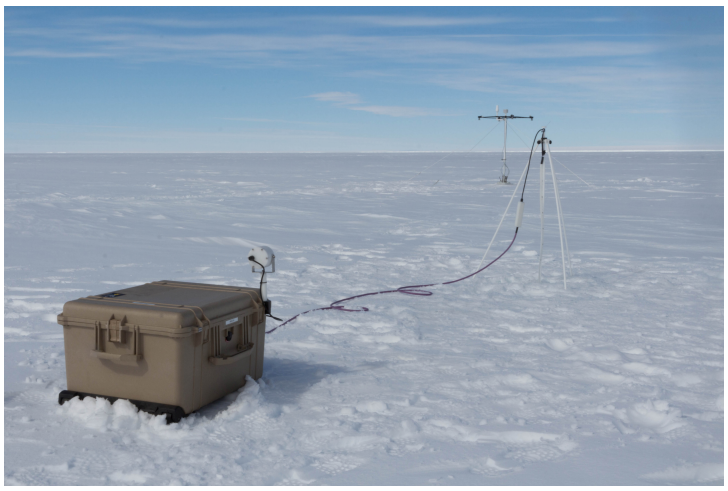
Date and Time (UTC): 05.01.2017 11:55
Position (Lat/Lon): -70.58255/-8.02857
Region: Atka Bay
Contact:
Mathias van Caspel (AWI)
Stefanie Arndt (AWI)
Expedition name: PS103-ANT32/2
Means of deployment: Helicopter

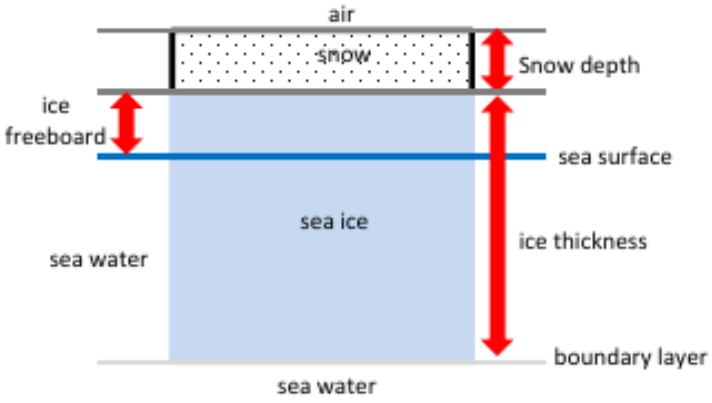
Snow and ice conditions

Snow depth: 0.09 m
Ice thickness: 2.4 m
Ice freeboard: 0.71 m
Ice types:
Fast Ice

Buoy-specific parameters

Sensor ice water (SensorID): 164
Serial package: 0
Solar package: 0
Sensor snow ice (SensorID): 44
Sensor sea surface (SensorID): 79
Sensor air snow (SensorID): 37
Chain length: 5.12 m
Sensor spacing: 0.02 m
Total number of sensors: 256





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

The hole drilled for the thermistor chain was filled with ice crystals, therefore it was not possible to see the sensor number at sea surface or ice-water interface. Deployed along with 2017S48
Floe description: Deployment on attached fast-ice in Atka Bay. A lot of platelet ice beneath the ice. Sea-ice surface is widely flat, no ridges. Weather: clear sky