Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2017M4
IMEI: 300025060001860
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 30.05.2017 20:35
Position (Lat/Lon): -70.58241/-7.94427
Region: ATKA07, Atka Bay
Contact:
Hauke Schulz (AWI)
Expedition name: AFIN 2017
Means of deployment: stationary time series

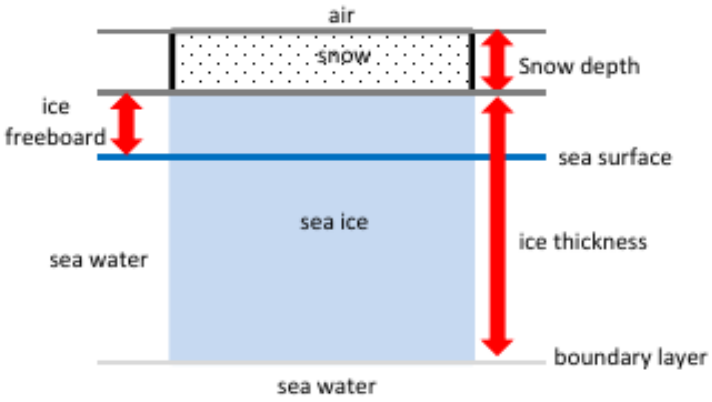
Snow and ice conditions

Snow depth: 0.66 m
Ice thickness: 0.99 m
Ice freeboard: 0.16 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Serial package: 0
Solar package: 0
Sensor sea surface (SensorID): 85
Sensor air snow (SensorID): 67
Chain length: 7.36 m
Sensor spacing: 0.02 m
Total number of sensors: 368





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

IMB032 with long chain
The buoy was deployed on immobile fast ice, at the location of Atka07 together with 2017S49. The buoys were surrounded by approximately 50m of flat sea ice. Approx. 350m away an iceberg was present. The weight of 2.5kg has been added to ensure it hangs straight. Sensor numbers at air-snow-interface (67) and free-board (85) were visible. Other sensor numbers are inferred from the drill measurements.
co-deployed with 2017S49