Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2019M25
IMEI: 300025060016630
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 29.08.2019 13:15
Position (Lat/Lon): -70.59140/-7.82460
Region: Atka 11, Atka Bay, Antarctica
Contact:
Stefanie Arndt (AWI)
Expedition name: AFIN 2019
Means of deployment: Snow mobile

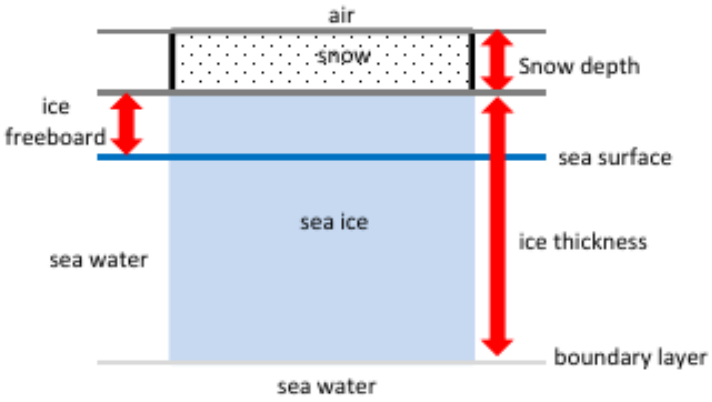
Snow and ice conditions

Snow depth: 0.64 m
Ice thickness: 1.45 m
Ice freeboard: -0.07 m
Ice types:
Fast Ice

Buoy-specific parameters

Serial package: 1
Sensor sea surface (SensorID): 56
Solar package: 0
Sensor ice water (SensorID): 198
Sensor snow ice (SensorID): 62
Sensor air snow (SensorID): 26
Sensor spacing: 0.02 m





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

A weight of 1.2 kg is attached with a 2 m cord to the last thermistor element.
The salinity sensor is about 4.5 m below the ice-water interface. A 1.1 kg weight of brass is attached with a 6 m cord to the salinity sensor. The snow height sensor is 1 m above the snow surface.
codeployed with 2019S88
Due to some troubleshooting some configurations were made. New snow and ice measurements after the maintainance 02 Nov 2019 18:20 UTC:
ice thickness: 1.49m
snow thickness: 0.71m
freeboard: -0.11m