Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2020M24
IMEI: 300025060014730
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 30.07.2020 12:30
Position (Lat/Lon): -70.59930/-7.70190
Region: Atka 16, Atka Bay, Antarctica
Contact:
Anna-Marie Jörrs (AWI)
Stefanie Arndt (AWI)
Expedition name: AFIN 2020
Means of deployment: Snow mobile

Snow and ice conditions

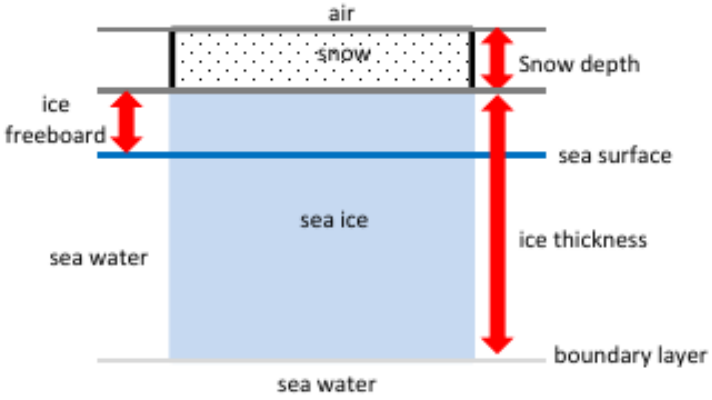
Snow depth: 0.41 m
Ice thickness: 1.23 m
Ice freeboard:
Ice types:
Fast Ice

Buoy-specific parameters

Salinity package: 1
Total number of sensors: 368
Serial package: 0
Solar package: 0
Sensor sea surface (SensorID): 15
Sensor ice water (SensorID): 76
Sensor snow ice (SensorID): 12
Sensor air snow (SensorID): 0
Sensor spacing: 0.02 m
Chain length: 7.36 m



Photo credits:



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

Snow depth [cm]: 41
Ice thickness [cm]: 123
Platelet ice thickness [cm]: 163
Ice Freeboard [cm]: +6

A weight of 1.5 kg is attached to the last thermistor element.

The salinity sensor is about 4.3 m below the ice-water interface. A drill rod as weight is attached to the salinity sensor.

The snow height sensor is 0.98 m above the snow surface.