Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2021M31
IMEI: 300025010120440
Buoy type: IMBflex
Buoy owner: Norwegian Polar Institute

Deployment information

Date and Time (UTC): 17.09.2021 14:00
Position (Lat/Lon): 87.49916/-18.22191
Region: Amundsen Basin
Contact:
Mats Granskog (NPI)
Expedition name: Unknown
Means of deployment: Ship - gangway

Snow and ice conditions

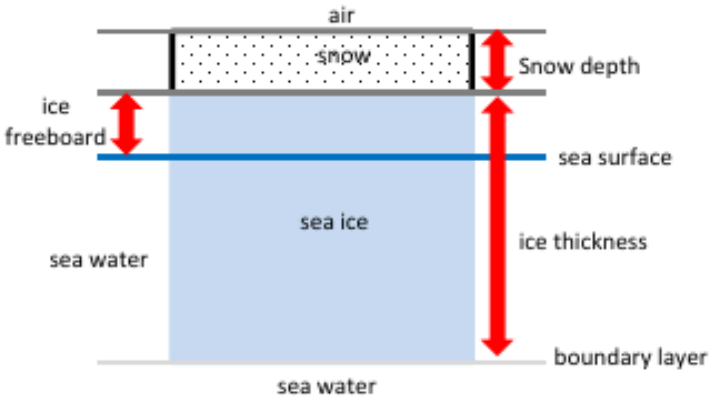
Snow depth: 0.13 m
Ice thickness: 1.5 m
Ice freeboard: 0.12 m
Ice types:
Unknown

Buoy-specific parameters

Sensor sea surface (SensorID): 43
Sensor ice water (SensorID): 112
Sensor snow ice (SensorID): 35
Sensor air snow (SensorID): 29
Total number of sensors: 256
Sensor spacing: 0.02 m
Chain length: 5.12 m
Salinity package: 0
Serial package: 1
Solar package: 1



Photo credits: Mats Granskog



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

On foot, near vessel, 3-day ice station.
Snow pit, GEM-2 & magna probe transects from same floe available , A. Steer (NPI)
‘Snow and ice conditions ‘ were from a test hole drilled 1m away from thermistor hole so not to disturb snowpack
Weather: Overcast, -8c, 3-5 m/s, northernly
Problems: Buoy did not boot up properly on first try, required rebooting several tries before correct dignostic LED sequence.
Attached underwater sensor cable with sensor in air, looking upward incase missing sensor was causing failure.
Snow depth at stakes in picture (L to R): #1: 0.17m, #2 0.13m, #3 0.09m, #4 0.14m