Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018M10
IMEI: 300025010026310
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

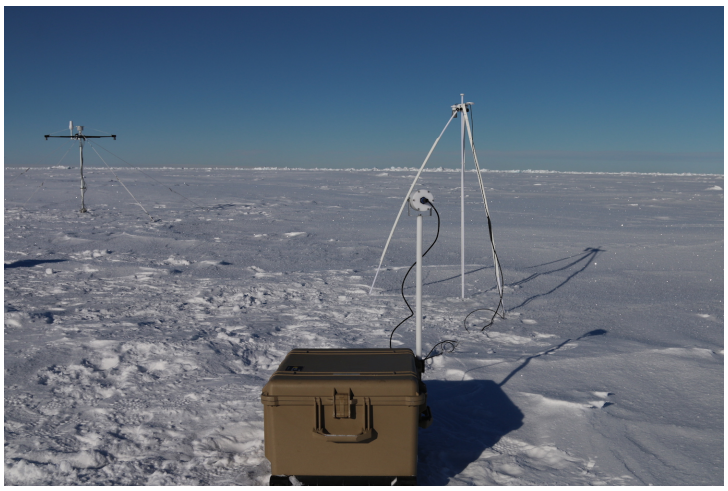
Date and Time (UTC): 22.02.2018 13:05
Position (Lat/Lon): -76.92955/-34.27060
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter

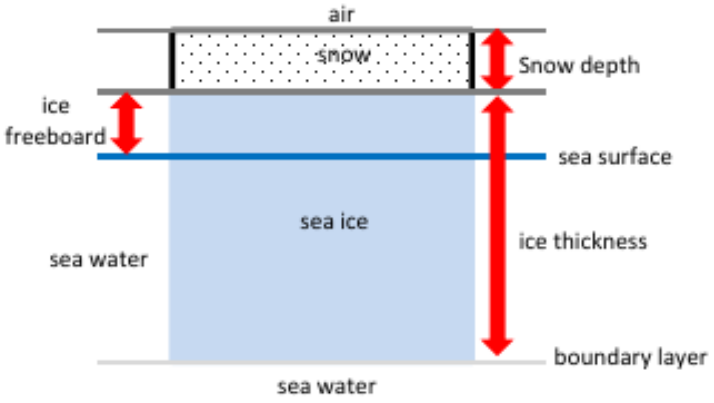
Snow and ice conditions

Snow depth: 0.04 m
Ice thickness: 1.14 m
Ice freeboard: 0.06 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Sensor ice water (SensorID): 178
Sensor air snow (SensorID): 119
Sensor sea surface (SensorID): 122
Serial package: 0
Solar package: 0
Sensor snow ice (SensorID): 121
Chain length: 5.12 m
Sensor spacing: 0.02 m
Total number of sensors: 256





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

Floe description: diameter bigger than 2km, 0-10 percent ridges with an height of 2-3 meters, deployment in the center of the floe, strongly compacted/metamorphous snowpack, weather: clear sky, windy
Co-deployed with 2018S62
Deployment as part of station PS111_SIP_14 - additional measurements: sea-ice thickness and snow depth transects, snow stratigraphy, ice coring