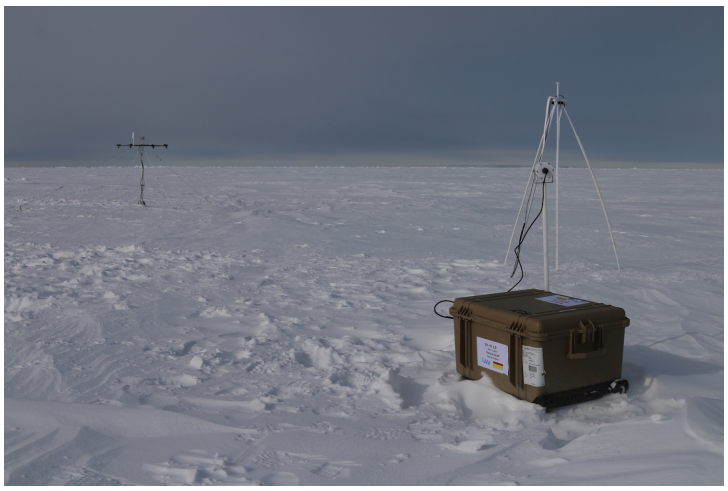
Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018M11
IMEI: 300025010125200
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

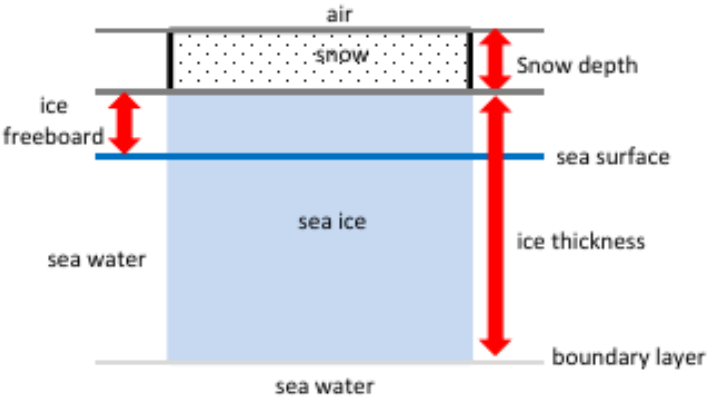


Deployment information

Date and Time (UTC): 18.02.2018 12:55
Position (Lat/Lon): -76.86078/-35.55442
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.17 m
Ice thickness: 0.88 m
Ice freeboard: 0.06 m
Ice types:
FYI (First Year Ice)



Buoy-specific parameters

Sensor snow ice (SensorID): 143
Serial package: 1
Solar package: 0
Sensor ice water (SensorID): 187
Sensor air snow (SensorID): 135
Sensor sea surface (SensorID): 146
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 1-2km, 0-10 percent ridges with an height of 1-2 meters, deployment in the center of the floe, new fresh snow, weather: 3/8 clouds
Co-deployed with 2018S60
Deployment as part of station PS111_SIP_10 - additional measurements: snow depth transects, snow stratigraphy, ice coring