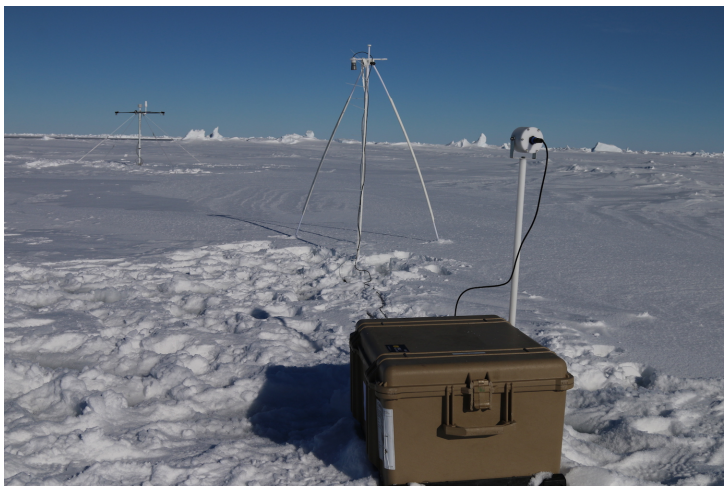
Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018M9
IMEI: 300025010917700
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

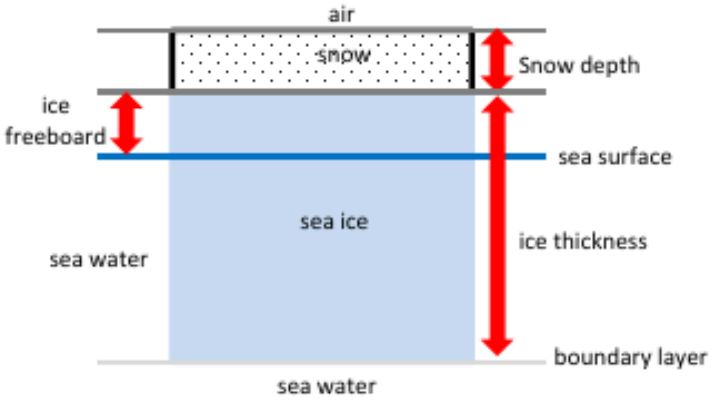


Deployment information

Date and Time (UTC): 16.02.2018 14:40
Position (Lat/Lon): -75.97882/-36.46732
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.13 m
Ice thickness: 0.47 m
Ice freeboard: 0.01 m
Ice types:
FYI (First Year Ice)



Buoy-specific parameters

Sensor snow ice (SensorID): 188
Solar package: 0
Serial package: 1
Sensor sea surface (SensorID): 189
Sensor air snow (SensorID): 182
Sensor ice water (SensorID): 212
Total number of sensors: 256
Chain length: 5.12 m
Sensor spacing: 0.02 m

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

Floe description: diameter 1-2km, 10-20 percent ridges with an height of 1-2 meters, deployment in the center of the floe, new fresh snow, weather: clear sky
Co-deployed with 2018S57 and 2018T49, center floe of drift array of 4 SVPs from Petra Heil
Deployment as part of station PS111_SIP_8 - additonal measurements: snow depth transects, snow stratigraphy, ice coring