Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018T49
IMEI: 300234064911160
Buoy type: Thermistor Buoy
Buoy owner: Finnish Meteorological Institute

Deployment information

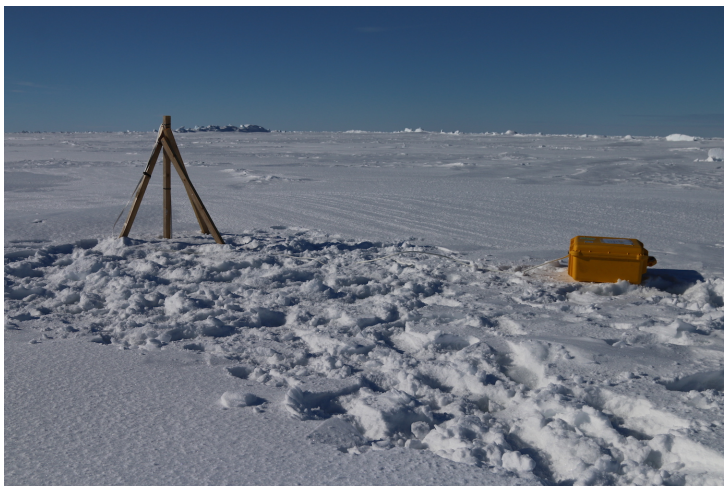
Date and Time (UTC): 16.02.2018 15:20
Position (Lat/Lon): -75.97685/-36.48420
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter

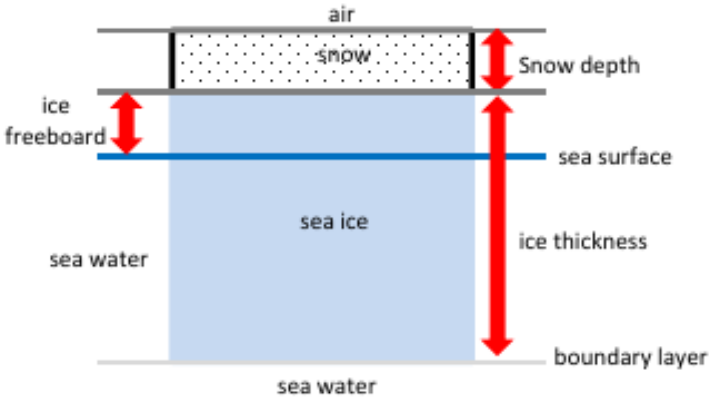
Snow and ice conditions

Snow depth: 0.09 m
Ice thickness: 0.53 m
Ice freeboard: 0.03 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Sensor sea surface (Sensor ID): 120
Sensor ice water (Sensor ID): 145
Sensor gps stop: 2018-04-24 00:03 UTC
Sensor chain stop: 2018-04-23 08:08 UTC
Sensor snow ice (Sensor ID): 119
Sensor air snow (Sensor ID): 114
Total number of sensors: 241
Sensor spacing: 0.02 m
Chain length: 5 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 2018M9, center foe 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