Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018T48
IMEI: 300234064816350
Buoy type: Thermistor Buoy
Buoy owner: Finnish Meteorological Institute

Deployment information

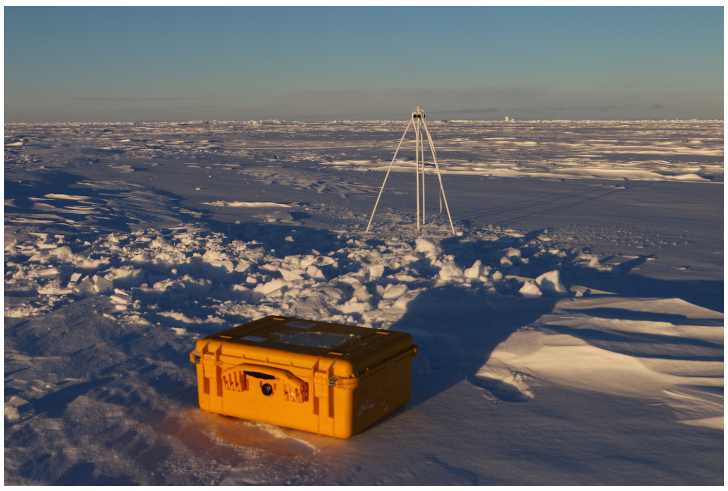
Date and Time (UTC): 26.02.2018 22:30
Position (Lat/Lon): -74.55030/-37.04673
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter

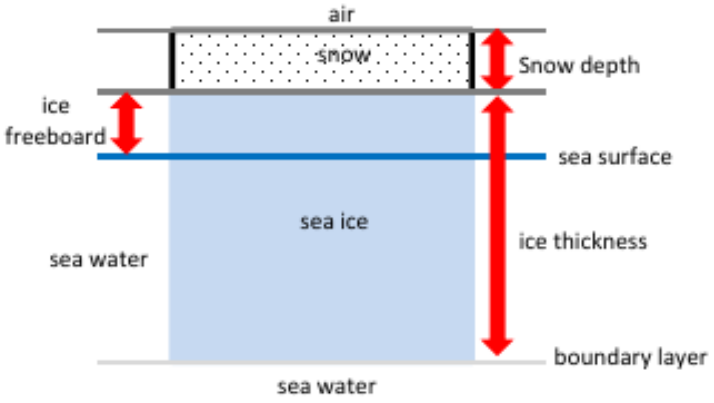
Snow and ice conditions

Snow depth: 0.16 m
Ice thickness: 1.29 m
Ice freeboard: 0.06 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Total number of sensors: 241
Sensor spacing: 0.02 m
Sensor sea surface (Sensor ID): 157
Chain length: 5 m
Sensor ice water (Sensor ID): 219
Sensor snow ice (Sensor ID): 154
Sensor air snow (Sensor ID): 146
Sensor gps stop: 2018-12-01 23:57 UTC





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, strongly compacted/metamorphous snowpack, weather: clear sky, windy
Co-deployed with 2018M12, 2018S61 and 2018R1
Deployment as part of station PS111_SIP_16 - additional measurements: deployment of optical and salt harps (D. Notz) and ice coring