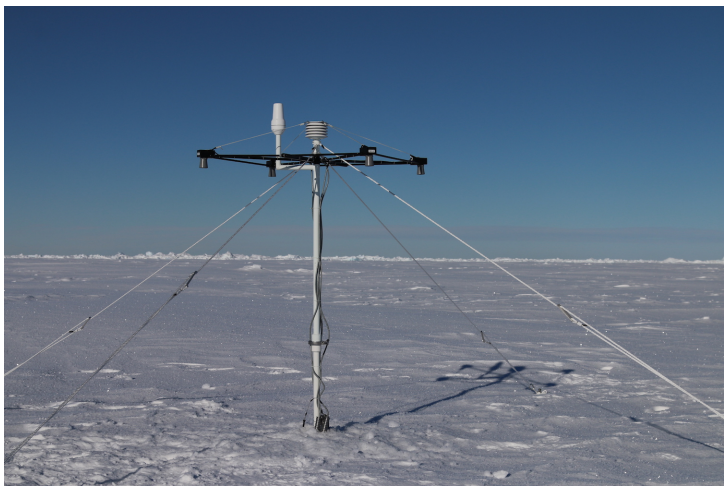
Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018S62
IMEI: 300234065061680
WMO number: 7101560
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

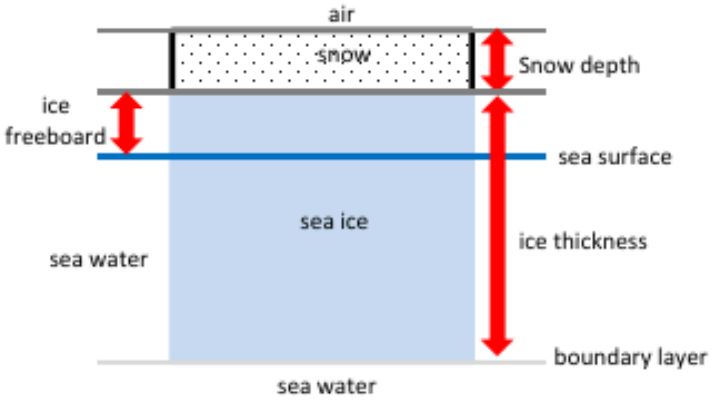


Deployment information

Date and Time (UTC): 22.02.2018 12:25
Position (Lat/Lon): -76.93190/-34.27485
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: 1.24 m
Ice freeboard: 0.04 m
Ice types:
FYI (First Year Ice)



Buoy-specific parameters

Sensor gps stop: 2018-07-11 01:04 UTC
Sensor temp stop: 2018-07-11 01:04 UTC
Sensor press stop: 2018-07-11 01:04 UTC
Sensor sh4 stop: 2018-07-02 03:00 UTC
Sensor sh3 stop: 2018-07-01 23:00 UTC
Sensor sh2 stop: 2018-07-02 22:00 UTC
Sensor sh1 stop: 2018-07-02 20:02 UTC
Temp correction: off
Initial sh1: 0.09 m
Initial sh2: 0.08 m
Initial sh3: 0.1 m
Initial sh4: 0.08 m

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 2018M10
Deployment as part of station PS111_SIP_14 - additional measurements: sea-ice thickness and snow depth transects, snow stratigraphy, ice coring

dead due to ridging maybe