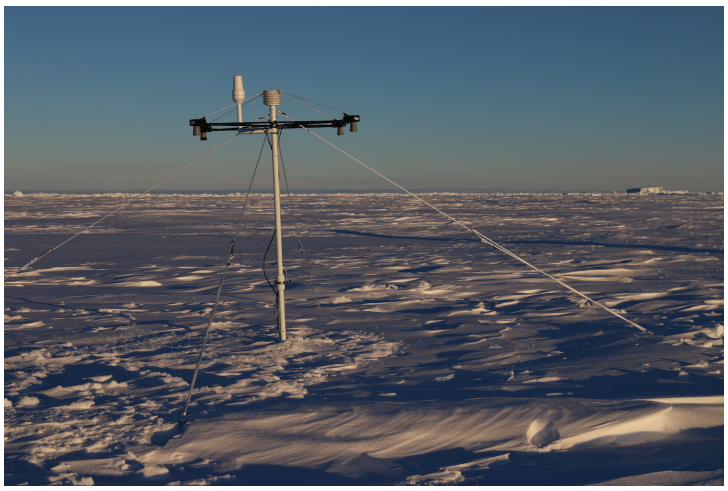
Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018S61
IMEI: 300234065267070
WMO number: 7101558
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

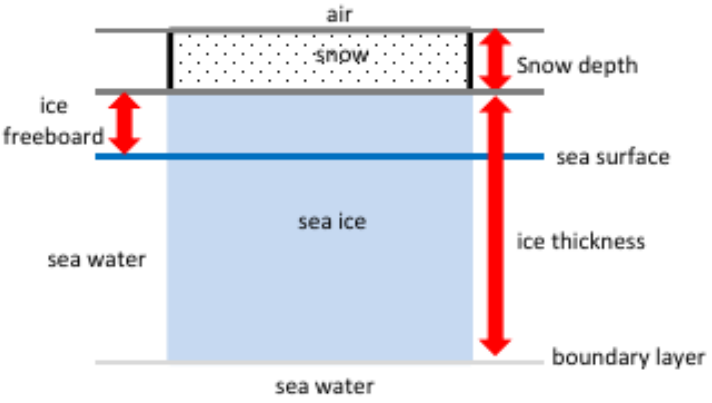


Deployment information

Date and Time (UTC): 26.02.2018 19:08
Position (Lat/Lon): -74.56142/-37.01235
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.18 m
Ice thickness: 1.2 m
Ice freeboard: 0.03 m
Ice types:
FYI (First Year Ice)



Buoy-specific parameters

Temp correction: off
Initial sh1: 0.13 m
Initial sh2: 0.16 m
Initial sh3: 0.2 m
Initial sh4: 0.22 m
Sensor sh1 stop: 2018-10-30 22:00 UTC
Sensor sh2 stop: 2018-10-30 22:00 UTC
Sensor sh3 stop: 2018-10-30 22:00 UTC
Sensor sh4 stop: 2018-10-30 22:00 UTC
Sensor press stop: 2018-12-26 10:06 UTC
Sensor temp stop: 2018-12-26 10:06 UTC
Sensor gps stop: 2018-12-26 10:06 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, 2018T48 and 2018R1
Deployment as part of station PS111_SIP_16 - additional measurements: deployment of optical and salt harps (D. Notz) and ice coring