Buoy Deployment Report

seaiceportal.de

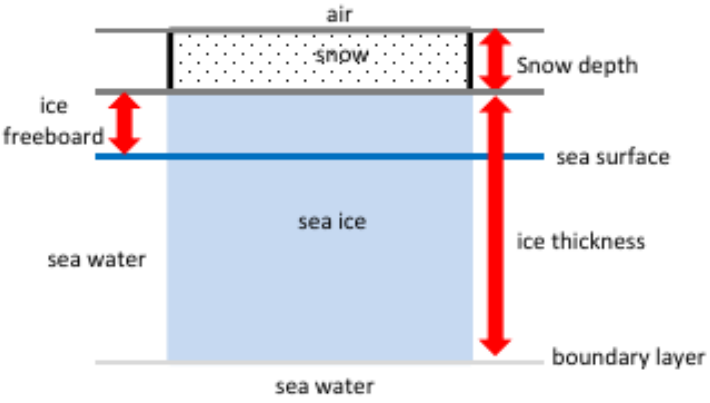
Buoy information

Buoy name: 2018S57
IMEI: 300234065169560
WMO number: 7101551
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research



Deployment information

Date and Time (UTC): 16.02.2018 13:45
Position (Lat/Lon): -75.98510/-36.46817
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter



Snow and ice conditions

Snow depth: 0.14 m
Ice thickness: 0.47 m
Ice freeboard: 0.01 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Initial sh1: 0.13 m
Initial sh2: 0.16 m
Initial sh3: 0.14 m
Initial sh4: 0.13 m
Temp correction: off
Sensor gps stop: 2018-04-24 07:01 UTC
Sensor temp stop: 2018-04-24 07:01 UTC
Sensor press stop: 2018-04-24 07:01 UTC
Sensor sh4 stop: 2018-04-22 13:02 UTC
Sensor sh3 stop: 2018-04-21 11:01 UTC
Sensor sh2 stop: 2018-04-21 04:01 UTC
Sensor sh1 stop: 2018-04-23 03:02 UTC

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 2018M9 and 2018T49, 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