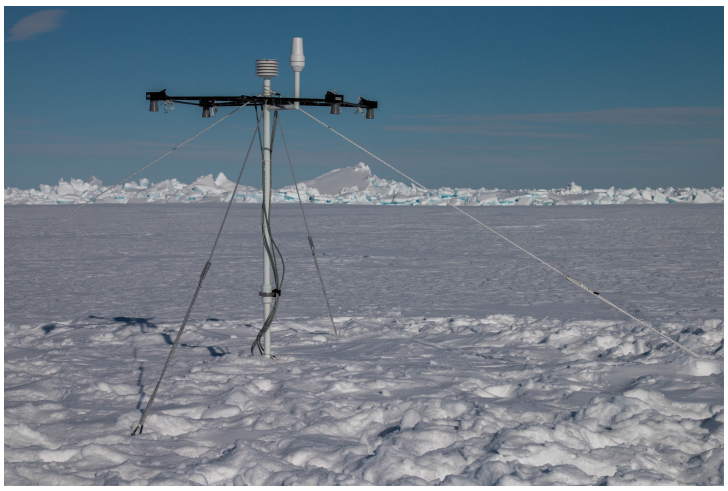
# Buoy Deployment Report

seaiceportal.de

## Buoy information

*Buoy name:* 2018S59
*IMEI:* 300234065261080
*WMO number:* 7101554
*Buoy type:* Snow Buoy
*Buoy owner:* Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

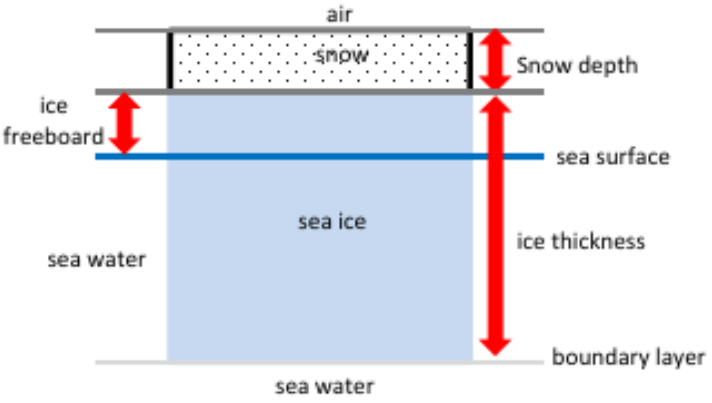


## Deployment information

*Date and Time (UTC):* 11.02.2018 13:45
*Position (Lat/Lon):* -74.98710/-59.61838
*Region:* Weddell Sea
*Contact:*
Stefanie Arndt (AWI)
*Expedition name:* PS111_ANT
*Means of deployment:* Helicopter

## Snow and ice conditions

*Snow depth:* 0.33 m
*Ice thickness:* 1.8 m
*Ice freeboard:* 0.05 m
*Ice types:*
MYI (Multi Year Ice)




## Buoy-specific parameters

*Initial sh1:* 0.33 m
*Initial sh2:* 0.3 m
*Initial sh3:* 0.32 m
*Initial sh4:* 0.35 m
*Temp correction:* off
*Sensor sh1 stop:* 2018-06-19 19:02 UTC
*Sensor sh2 stop:* 2018-06-19 16:02 UTC
*Sensor sh3 stop:* 2018-06-02 16:02 UTC
*Sensor sh4 stop:* 2018-04-04 13:00 UTC
*Sensor press stop:* 2019-04-25 02:03 UTC
*Sensor temp stop:* 2019-04-25 02:03 UTC
*Sensor gps stop:* 2019-04-25 02:03 UTC

## Additional information *(comments, weather, topography, ice floe size, etc.)*

Floe description: diameter bigger than 2km, 30-40 percent ridges with an height of 2-3 meters, deployment in the center of the floe, old weatherd snow, Weather: clear sky, 1/8 clouds
Deployment as part of station PS111_SIP_3, additonal measurements: snow depth and sea-ice thickness transects, snow stratigraphy, ice coring