Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018R1
IMEI: 300025060601480
Buoy type: Radiation Station
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 26.02.2018 21:15
Position (Lat/Lon): -74.55295/-37.03262
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.23 m
Ice thickness: 1.3 m
Ice freeboard: 0.02 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Pos trans: 2
Pos refl: 3
Pos incom: 1
Id refl: 34119
Id trans: 34128
Id incom: 34118
Chain length: 0 m
Serial package: 0
Solar package: 1
Lightchain package: 0
Salinity package: 0
Eco package: 0
Oxy package: 0
Microcat package: 0
Ramses package: 1

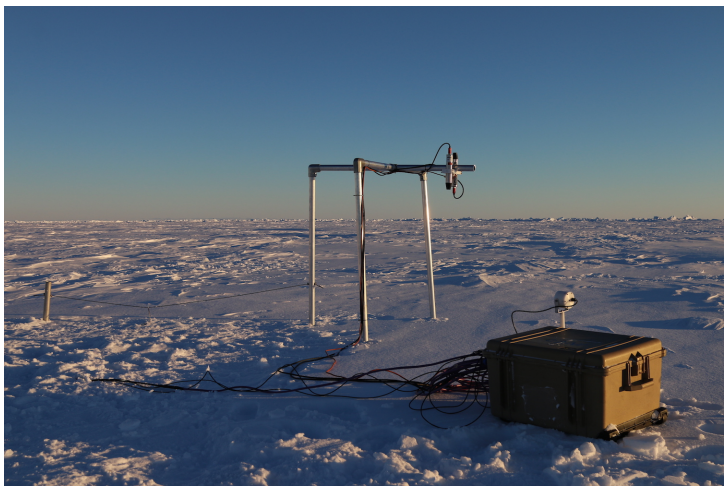
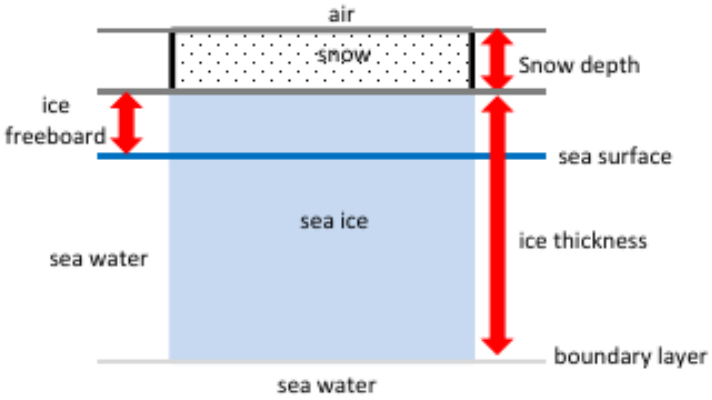


Photo credits:



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 2018S61, 2018T48 and 2018M12
Deployment as part of station PS111_SIP_16 - additional measurements: deployment of optical and salt harps (D. Notz) and ice coring
Sensor, incoming (air): 1 (No. 8546), Sensor, reflected (air): 3 (No. 8547), Sensor, incoming (water): 2 (No. 8550), Distance, sensor reflected - snow: 1.08 m, Distance, sensor water - ice: ca. 0.40 m