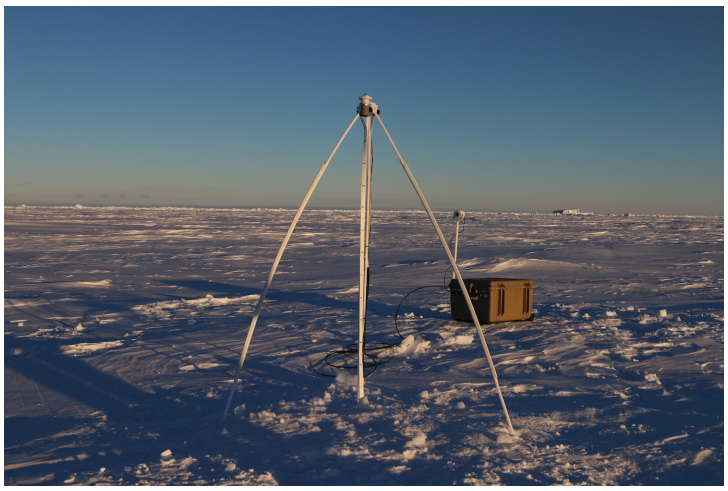
Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018M12
IMEI: 300025010023830
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

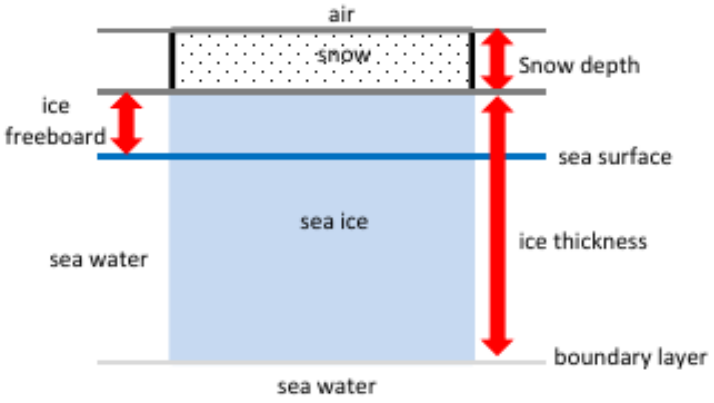


Deployment information

Date and Time (UTC): 26.02.2018 21:53
Position (Lat/Lon): -74.55247/-37.03278
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: PS111_ANT
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.15 m
Ice thickness: 1.2 m
Ice freeboard: 0.03 m
Ice types:
FYI (First Year Ice)



Buoy-specific parameters

Total number of sensors: 256
Serial package: 0
Solar package: 0
Sensor sea surface (SensorID): 123
Sensor air snow (SensorID): 114
Sensor ice water (SensorID): 181
Sensor snow ice (SensorID): 121
Chain length: 5.12 m
Sensor spacing: 0.02 m

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 2018R1
Deployment as part of station PS111_SIP_16 - additional measurements: deployment of optical and salt harps (D. Notz) and ice coring