Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018M18
IMEI: 300025060607470
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

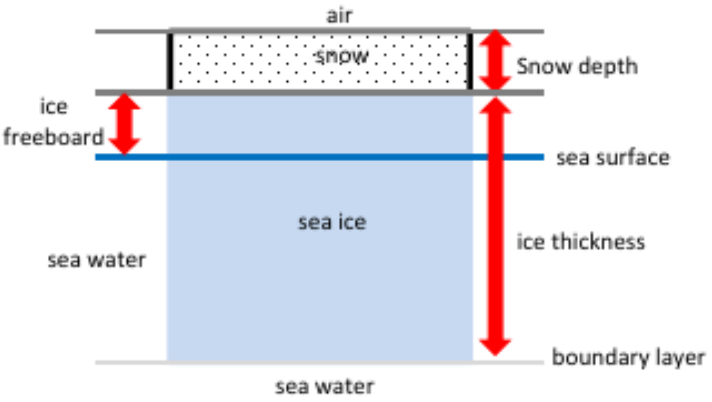


Deployment information

Date and Time (UTC): 02.09.2018 13:00
Position (Lat/Lon): 89.08672/79.91018
Region: Central Arctic/North Pole
Contact:
Mario Hoppmann (AWI)
Expedition name: Oden_AO18
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.03 m
Ice thickness: 1.75 m
Ice freeboard: 0.21 m
Ice types:
MYI (Multi Year Ice)



Buoy-specific parameters

Total number of sensors: 256
Sensor air snow (SensorID): 31
Sensor sea surface (SensorID): 43
Sensor snow ice (SensorID): 33
Sensor ice water (SensorID): 120
Solar package: 0
Serial package: 1
Chain length: 5.12 m
Sensor spacing: 0.02 m

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

Co-deployed with Snow Buoy 2018S66 at MIDO subnode2
Chain deployed with plastic tripod incl. snow pinger
Toroidal BKIN50 (Solumetrix) conductivity sensor at depth 7.81 m
5m chain, snow, sal
Thermistor chain hole:
Ice thickness 1.75 m
Snow depth (surface layer) 0.03 m
Freeboard 0.21 m
Thermistor 31 at air/snow interface
Chain deployed with wooden stake
Conductivity cell hole:
Ice thickness 1.75 m
Snow depth (surface layer) 0.03 m
Freeboard 0.21 m
Sensor depth 7.81 m