Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018M21
IMEI: 300025060606890
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 13.09.2018 03:00
Position (Lat/Lon): 80.50197/167.37830
Region: East Siberian Sea
Contact:
Jakob Belter (AWI)
Miriam Hansen (CAU)
Simon Hummel (AWI)
Expedition name: TRANSDRIFT XXIV (TICE)
Means of deployment: Ship - mummy

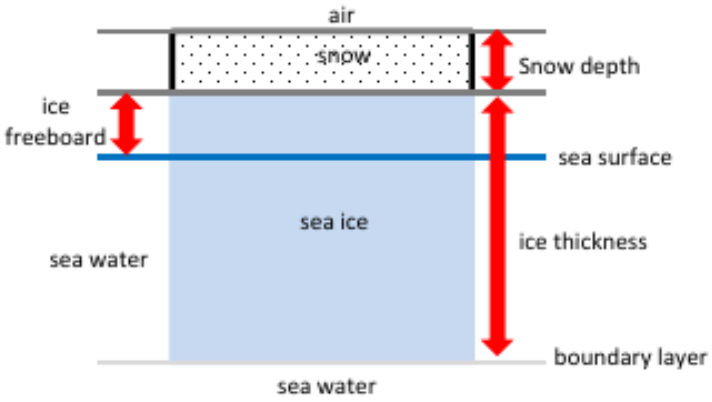
Snow and ice conditions

Snow depth: 0 m
Ice thickness: 3.1 m
Ice freeboard: 0.34 m
Ice types:
MYI (Multi Year Ice)

Buoy-specific parameters

Total number of sensors: 256
Sensor sea surface (SensorID): 46
Sensor air snow (SensorID): 29
Sensor snow ice (SensorID): 29
Solar package: 1
Serial package: 1
Sensor ice water (SensorID): 184
Chain length: 5.12 m
Sensor spacing: 0.02 m





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

Codeployed with 2018S75, 2018A2, 2018M22, 2018R5
System includes: ITBOB (multiple levels), radiation station, PAWS, Snow Buoy. Surface unit (IMB057) (depth): camera (surface), tiltmeter (1.24m above surface), PAR up (1.27m above surface), PAR down (1.17m above surface), snow pinger (1.0m above surface), Aanderaa Optode (in ice, 1.25m below surface), ECO Triplet (in ice, 1.38m below surface)
partial salinity core taken