Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018M22
IMEI: 300025060605890
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

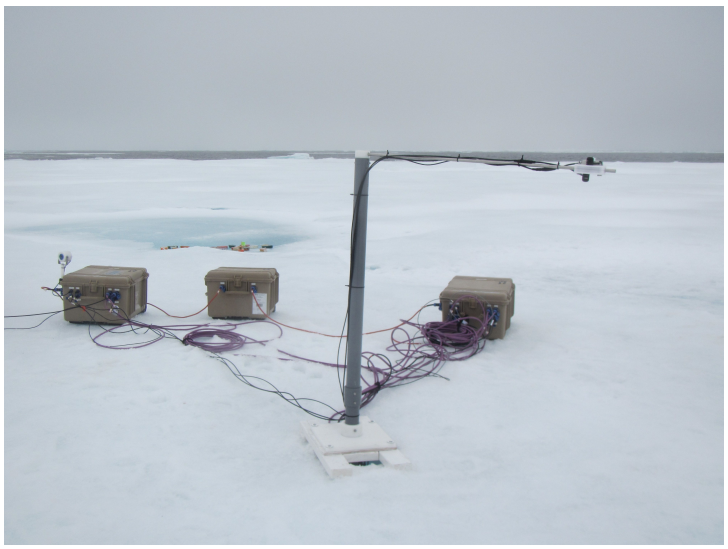
Date and Time (UTC): 13.09.2018 03:00
Position (Lat/Lon): 80.50197/167.37830
Region: East Siberian Sea
Contact:
Jakob Belter (AWI)
Miriam Hansen (CAU)
Simon Hummel (AWI)
Expedition name: TRANSDRIFT XXIV (TICE)
Means of deployment: Ship - mummy

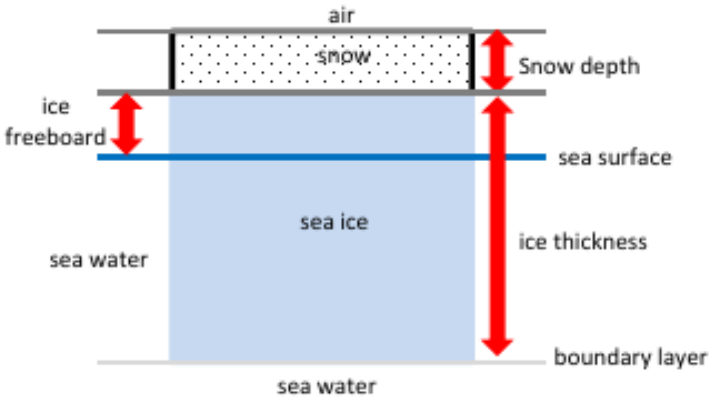
Snow and ice conditions

Snow depth: 0 m
Ice thickness: 2.36 m
Ice freeboard: 0.26 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
Sensor ice water (SensorID): 184
Solar package: 1
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 2018S75, 2018A2, 2018M21, 2018R5
System includes: ITBOB (multiple levels), radiation station, PAWS, Snow Buoy. Partial salinity core taken
Ocean unit (IMB058) (depth):
-Level1 (1.37m below ice): PAR up (1.34m below ice), tiltmeter (1.37m below ice), ice pinger (1.33m below ice), Microcat (1.32m below ice), Aanderaa Optode (1.38m below ice), conductivity cell (1.59m below ice), ECO Triplet (1.81m below ice)
-Level2 (4.42m below ice): PAR up (4.39m below ice), tiltmeter (4.42m below ice), conductivivty cell (4.11m below ice), Aanderaa Optode (4.17m below ice), ECO Triplet (4.44m below ice)