Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2018R7
IMEI: 300025010025480
Buoy type: Radiation Station
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 15.09.2018 01:00
Position (Lat/Lon): 80.70667/161.98483
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

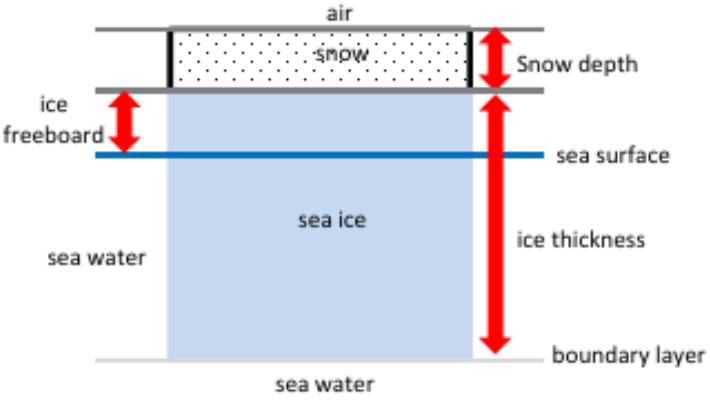
Snow depth: 0.004 m
Ice thickness: 2.54 m
Ice freeboard: 0.3 m
Ice types:
MYI (Multi Year Ice)

Buoy-specific parameters

Pos incom: 1
Pos refl: 2
Pos trans: 3
Id refl: 34194
Id incom: 34188
Id trans: 34190
Sensor spacing: 0.02 m
Serial package: 0
Solar package: 0
Lightchain package: 0
Salinity package: 1
Eco package: 0
Oxy package: 0
Microcat package: 0
Ramses package: 0



Photo credits:



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

Co-deployed with 2018S76
System includes: small ITBOB (one level), radiation station, IMB and Snow Buoy.
ITBOB sensors (depth): Tiltmeter (above surface connected to radiation station), camera (Pelicase), Snow pinger (above surface, IMB tripod), conductivity cell (0.73m below ice-water interface), Aanderaa Optode (1.04m below ice-water-interface), Microcat (1.12m below ice-water interface), ECO Triplet (1.32m below ice-water interface)
Partial salinity core was taken