Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2019R9
IMEI: 300025060015720
Buoy type: Radiation Station
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 07.10.2019 05:24
Position (Lat/Lon): 84.99330/132.00140
Region: Central Arctic Ocean
Contact:
Jakob Belter (AWI)
Jan Rohde (AWI)
Mario Hoppmann (AWI)
Expedition name: MOSAiC
Means of deployment: Ship - gangway

Snow and ice conditions

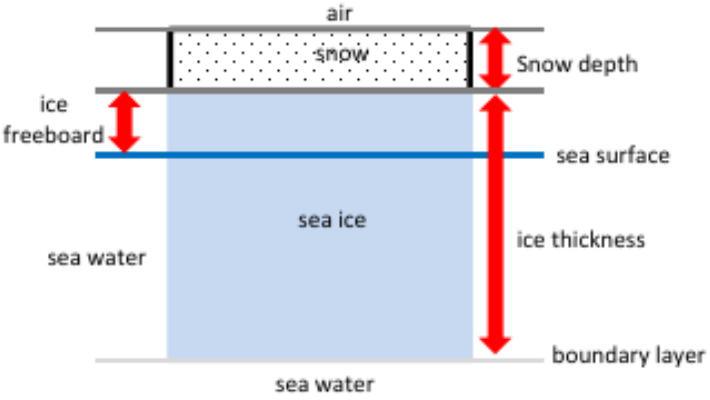
Snow depth: 0.1 m
Ice thickness: 0.3 m
Ice freeboard: 0.05 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Sensor air snow (SensorID): 32
Sensor snow ice (SensorID): 37
Sensor sea surface (SensorID): 39
Pos incom: 1
Id trans: 34202
Id refl: 34218
Id incom: 34219
Sensor spacing: 0.02 m
Chain length: 5 m
Pos refl: 2
Pos trans: 3
Serial package: 0
Solar package: 0
Lightchain package: 0
Salinity package: 1



Photo credits:



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

L2 site: co-deployed with 2019S92, 2019W4, 2019I1, 2019T67, 2019F1, ASFS, MARC

Parallel deployment of Snow Buoy, ITBOB, AOFB, ITP, SIMBA. AWI system includes: one snow buoy and one ITBOB, battery and data comm. Housing
distance between sensors and underside of ablation shield: MicroCat (CTD): 174cm,SAL: 184cm,ECO: 155cm,OXY: 137cm
radiation station: distance above snow: reflected 71cm, incoming 98cm__Measurement:Snow depth, radiation, CTD/ECO/SAL/OXY __Old Labels:PS122/1_1-313,L2_IT_BOB_AWI_20191007

RAMSES sensors were cleared of snow and ice on April 17 2020
death by ridging