Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2019P109
IMEI: 300234067709760
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 24.01.2019 00:00
Position (Lat/Lon): -66.08952/-60.61750
Region: Northern Larsen-C Ice Shelf
Contact:
Wolfgang Rack (UC)
Expedition name: Weddell Sea Expedition 2019
Means of deployment: Ship - gangway

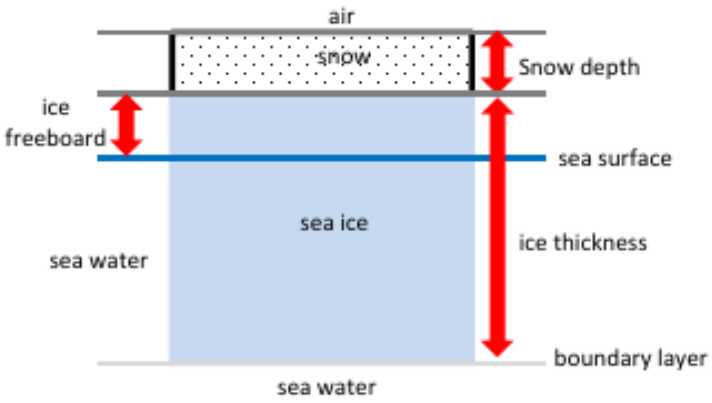
Snow and ice conditions

Snow depth: 0.61 m
Ice thickness: 2.63 m
Ice freeboard: 0.02 m
Ice types:
MYI (Multi Year Ice)

Buoy-specific parameters



Photo credits:



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

The ice floe size showed partly flooding and was about 1.3 km2 in size. Measurements were taken in a small area of level ice with no obvious flooding, buoy was placed on a small ridge. The ice floe was within 2 nautical miles of the ice shelf edge near Jason Peninsula. The Polynya between A68 and LarsenC had about 50 percent ice concentration,
Very coarse grained snow with loose layers of large crystals,
Calm with moderate ice drift, restricted visibility with light snow fall and low clouds,
The four measurements were taken about 15 meters apart.