Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2019P107
IMEI: 300234067708740
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 26.01.2019 15:00
Position (Lat/Lon): -64.65835/-57.15020
Region: East of Snow Hill Island
Contact:
Wolfgang Rack (UC)
Expedition name: Weddell Sea Expedition 2019
Means of deployment: Ship - gangway

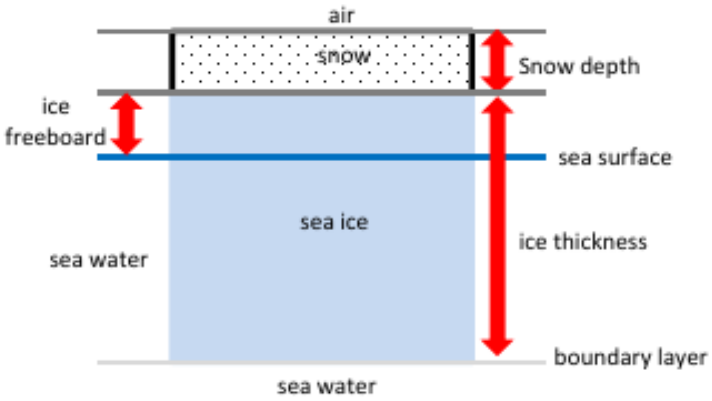
Snow and ice conditions

Snow depth: 0.52 m
Ice thickness:
Ice freeboard:
Ice types:
MYI (Multi Year Ice)

Buoy-specific parameters



Photo credits:



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

The ice floe was about 5 km2 in size. Likely origin is multiyear land-fast ice. The Kovacs drill flights froze and was abondened in the hole during drilling as the hole was flooded with water from the slush layer, thickness and freeboard not measured, the ice was likely very cold, and the slush probably formed during a recent melting or rain event and tested as fresh water, the observation from the ship indicated positive ice freeboard, the surface was a uniform fresh snow layer (in snow pit above 0.22 m slush),
Calm with moderate ice drift, unrestricted visibility,
The buoy was placed about 30 meters from the snow pit at a uniform and level surface.