Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025P321
IMEI: 300534064365470
WMO number: 4804179
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 23.02.2025 18:46
Position (Lat/Lon): -68.97740/-49.84590
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS146-HAFOS 2024/25
Means of deployment: Ship - mummy

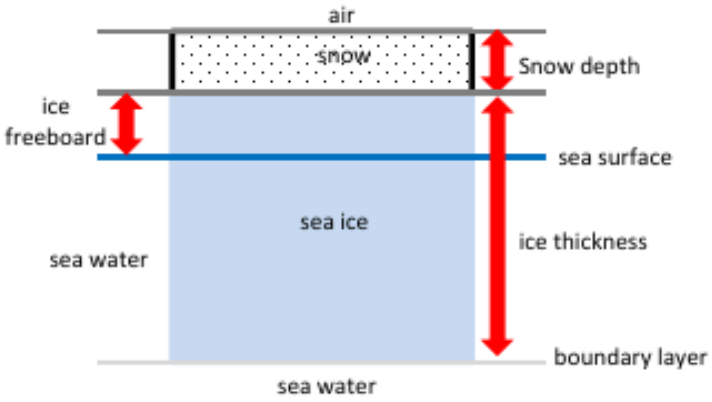
Snow and ice conditions

Snow depth: 0.12 m
Ice thickness: 0.53 m
Ice freeboard: 0.01 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters



Photo credits: Daria Paul



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

Ice floe of buoy deployment was sampled on same day as ice station PS146_20250223_12, doing snow pit work, snow depth and sea ice thickness transects (MagnaProbe and GEM), ice coring.
Ice conditions: floe size: 800m, ridge density: 10%, ridge height: 0.5m, SIC: 90-100%
Weather conditions: clouds: 8/8, T = -6°C, 7 Bft.