Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025P318
IMEI: 300534064363470
WMO number: 6801982
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 05.02.2025 18:13
Position (Lat/Lon): -74.50670/-32.07230
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS146-HAFOS 2024/25
Means of deployment: Helicopter

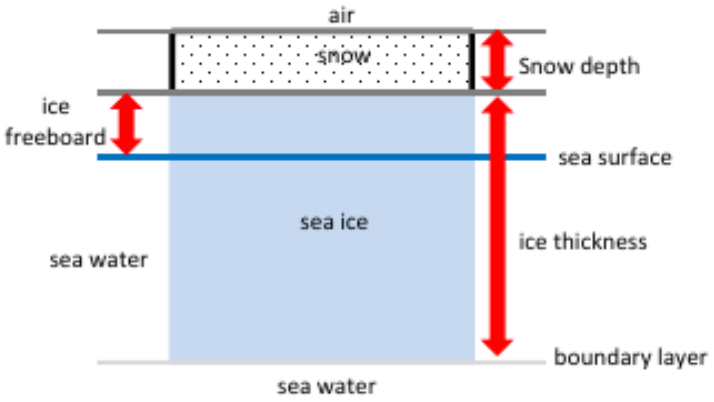
Snow and ice conditions

Snow depth: 0.33 m
Ice thickness: 0.97 m
Ice freeboard: -0.18 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters



Photo credits: Stefanie Arndt



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

Ice floe of buoy deployment was sampled on same day as ice station PS146_20250205_6, doing snow pit work, snow depth and sea ice thickness transects (MagnaProbe and GEM), ice coring.
Ice conditions: floe size: 3*4nm, ridge density: 80-90%, ridge height: 0.5-1m; SIC: 10% (only that one big floe); surface "ponds" > highly salty (=flooding)
Weather conditions: clouds: 2/8, sunny, T = -2°C, 1 Bft.