Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025P317
IMEI: 300534064289550
WMO number: 6801981
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 24.02.2025 10:00
Position (Lat/Lon): -68.69340/-50.67460
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS146-HAFOS 2024/25
Means of deployment: Ship - mummy

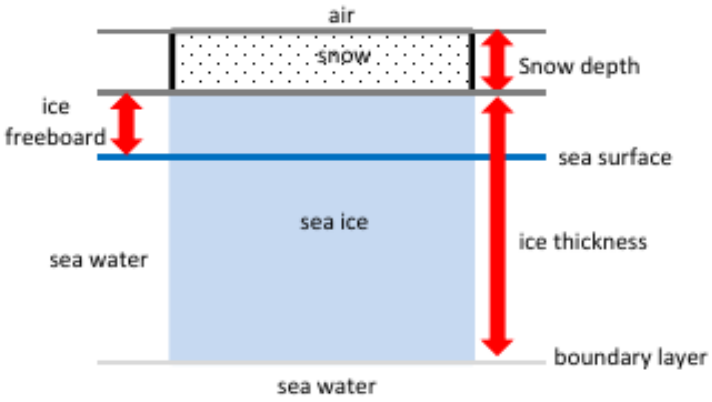
Snow and ice conditions

Snow depth: 0.11 m
Ice thickness: 0.58 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_20250224_13, doing snow pit work, snow depth and sea ice thickness transects (MagnaProbe and GEM), ice coring.
Ice conditions: floe size: 1-2km, ridge density: 20-30%, ridge height: 0.5-1m, SIC: 90-100%
Weather conditions: clear sky, T = -15°C, 4 Bft.