Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025P316
IMEI: 300534064365480
WMO number: 6801866
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 27.01.2025 12:14
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

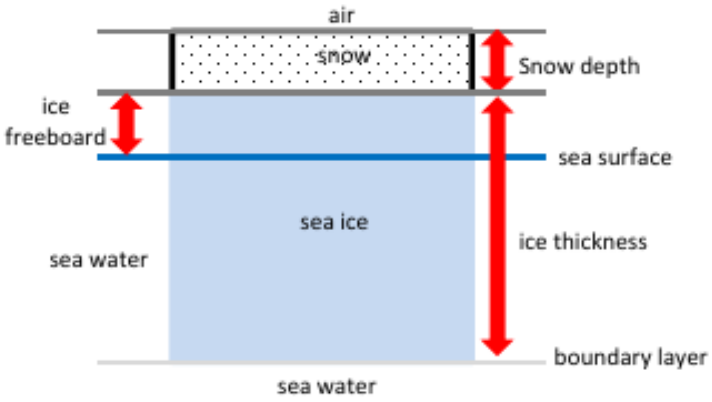
Snow and ice conditions

Snow depth: 0.04 m
Ice thickness: 1.25 m
Ice freeboard: 0.13 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_20250127, doing snow pit work, snow depth and sea ice thickness transects (MagnaProbe and GEM), ice coring.
Ice conditions: floe size: >2km, ridge density: 80-90%, ridge height: 2.5-3m
Weather conditions: clouds: 8/8, T = -3°C, up to 6 Bft.