Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2026P342
IMEI: 300534064287520
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 21.02.2026 16:50
Position (Lat/Lon): -66.69333/-53.64667
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS153-SWOS 2026
Means of deployment: Ship - gangway

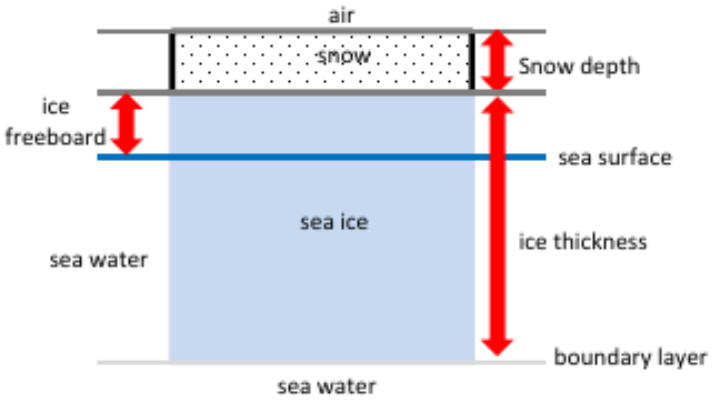
Snow and ice conditions

Snow depth: 0.05 m
Ice thickness: 1.3 m
Ice freeboard: 0.1 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 PS153_20260221_7, doing a full sea ice physics and biology sampling program. Ice conditions: FYI, floe size: > 3 km, ridge density; 20-30 percent, ridge height: 1-2m, SIC: 100 percent
Weather conditions: clouds: 8/8, snowfall, low clouds/fog, T = -1°C, 4-5 Bft.