Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2026P340
IMEI: 300534063602800
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 18.02.2026 23:30
Position (Lat/Lon): -64.71722/-51.43945
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS153-SWOS 2026
Means of deployment: Ship - gangway

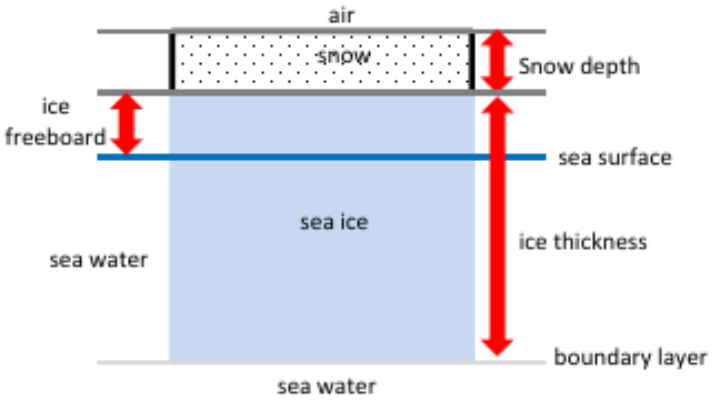
Snow and ice conditions

Snow depth: 0.05 m
Ice thickness: 1.2 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_20260218_5, doing a full sea ice physics and biology, oceanography and atmospheric sampling program. Ice conditions: FYI, consolidated floes with thinner patches, (level) ice thickness: ca. 1.20m, snow depth: 0.05 cm, freeboard: 0.05 m, floe size: 0.6x1 nm, ridge density; 40-50 percent, ridge height: 1-2m, SIC: 80-90 percent
Weather conditions: clouds: 8/8, T = -1°C, 2-3 Bft.