Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2026S151
IMEI: 300534068850690
WMO number: 2802166
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 05.03.2026 23:05
Position (Lat/Lon): -67.05260/-55.07540
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS153-SWOS 2026
Means of deployment: Ship - gangway

Snow and ice conditions

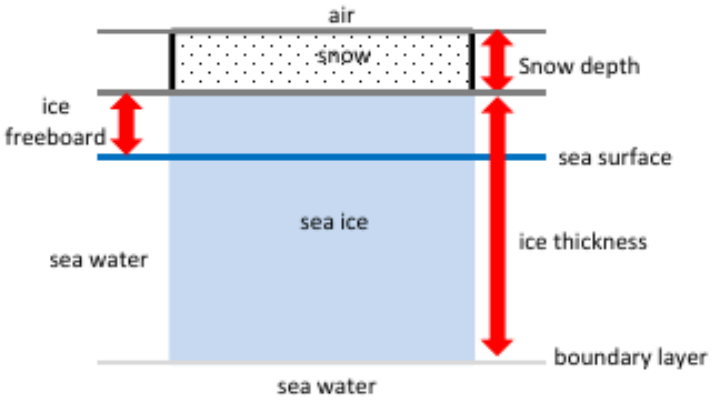
Snow depth: 0.1 m
Ice thickness: 0.77 m
Ice freeboard: 0.06 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Temp correction: off
Initial sh4: 0.03 m
Initial sh3: 0.06 m
Initial sh2: 0.085 m
Initial sh1: 0.075 m



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_20260305_14, doing a full sea ice physics and biology, oceanography and atmospheric sampling program.
Additional buoy deployment: 2026T149
Ice conditions: floe size: 1-2 km, ridge density: 50-60 percent, ridge height: 1-2 m, SIC: 90 percent
Weather conditions: clouds: 8/8, T = -2°C, calm.