Buoy Deployment Report

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Buoy information

Buoy name: 2026S150
IMEI: 300534068854700
WMO number: 1801865
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 22.02.2026 23:00
Position (Lat/Lon): -66.78660/-53.63780
Region: Weddell Sea
Contact:
Christian Haas (AWI)
Stefanie Arndt (AWI)
Expedition name: Polarstern PS153-SWOS
Means of deployment: Ship - mummy

Snow and ice conditions

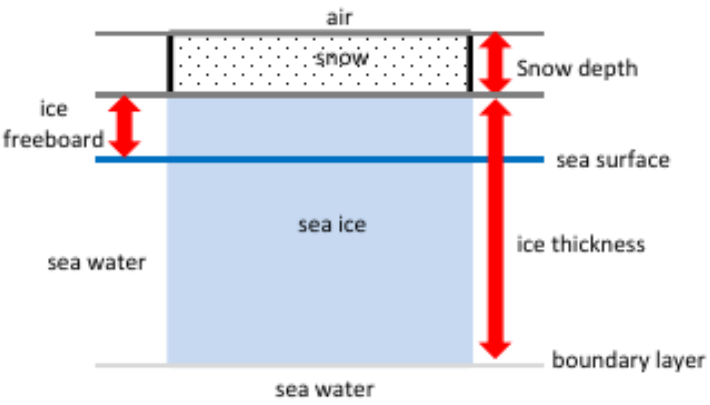
Snow depth: 0.02 m
Ice thickness: 0.75 m
Ice freeboard: 0.06 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Temp correction: off
Initial sh4: 0.02 m
Initial sh3: 0.02 m
Initial sh2: 0.02 m
Initial sh1: 0 m



Photo credits: Christian Haas



Additional information *(comments, weather, topography, ice floe size, etc.)*

Ice floe of buoy deployment was sampled on same day as ice station PS153_20260222_8, doing a full sea ice physics and biology, oceanography and atmospheric sampling program. Additional buoy deployment: 2026T137
Ice conditions: floe size: > 5 km, ridge density: 20-30 percent, ridge height: 1-2 m, SIC: 100 percent
Weather conditions: clouds: 8/8, T = -5°C, calm.