Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025S142
IMEI: 300534066493960
WMO number: 2802163
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 06.02.2025 11:03
Position (Lat/Lon): -74.95528/-30.63612
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS146-HAFOS 2024/25
Means of deployment: Helicopter

Snow and ice conditions

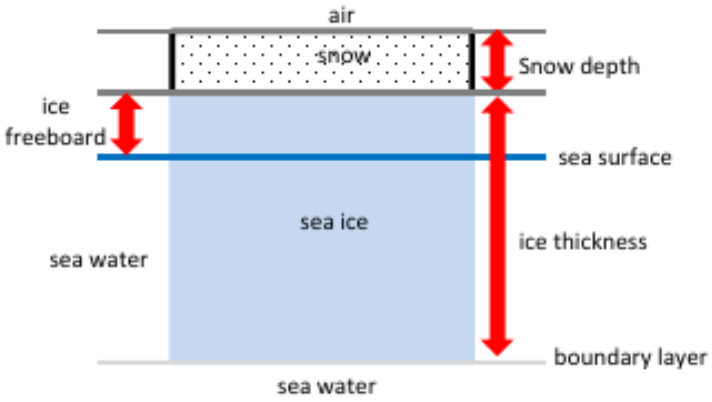
Snow depth: 0.05 m
Ice thickness: 1.12 m
Ice freeboard: 0.13 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Initial sh4: 0.06 m
Temp correction: off
Initial sh3: 0.04 m
Initial sh2: 0.04 m
Initial sh1: 0.06 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 PS146_20250203_4, doing snow pit work, snow depth and sea ice thickness transects (MagnaProbe and GEM), ice coring.
Additional buoy deployment: 2025T132 (IMB)
Ice conditions: floe size: 15*8nm, ridge density: 70-80%, ridge height: 1-1.5m; SIC: 30-40%; rarely scattered surface "ponds" (= surface flooding)
Weather conditions: clouds: 2/8, sunny, T = -2°C, 2 Bft