Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025S143
IMEI: 300534066499960
WMO number: 2802164
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 04.02.2025 11:55
Position (Lat/Lon): -76.65960/-39.45560
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS146-HAFOS 2024/25
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.03 m
Ice thickness: 0.81 m
Ice freeboard: 0.06 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Temp correction: off
Initial sh4: 0.04 m
Initial sh3: 0.02 m
Initial sh2: 0.03 m
Initial sh1: 0.025 m

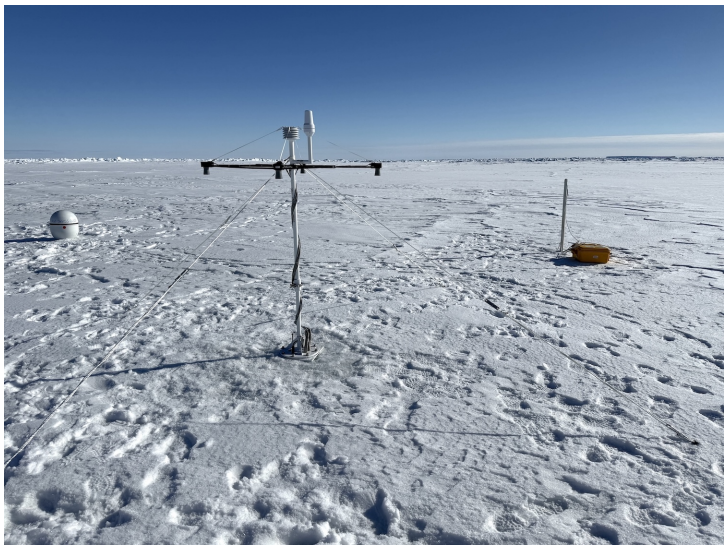
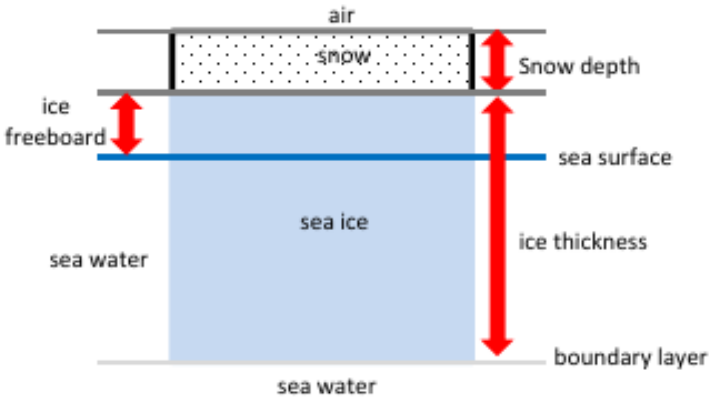


Photo credits:



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

Ice floe of buoy deployment was sampled on same day as ice station PS146_20250204_5, doing snow pit work, snow depth and sea ice thickness transects (MagnaProbe and GEM), ice coring.
Additional buoy deployments: 2025T119 (IMB), and 2025O26 (Ocean CTD Buoy).
Ice conditions: >3nm, ridge density: 10%, ridge height: 1-2m; SIC: 80-90%
Weather conditions: clouds: 3/8, sunny, T = -3°C, 3 Bft, very good contrasts and visibility