Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025S135
IMEI: 300534066618750
WMO number: 1801860
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 30.01.2025 10:55
Position (Lat/Lon): -75.63480/-33.17060
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS146-HAFOS 2024/25
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.01 m
Ice thickness: 1.33 m
Ice freeboard: 0.11 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Temp correction: off
Initial sh4: 0.01 m
Initial sh3: 0.01 m
Initial sh2: 0.01 m
Initial sh1: 0.01 m

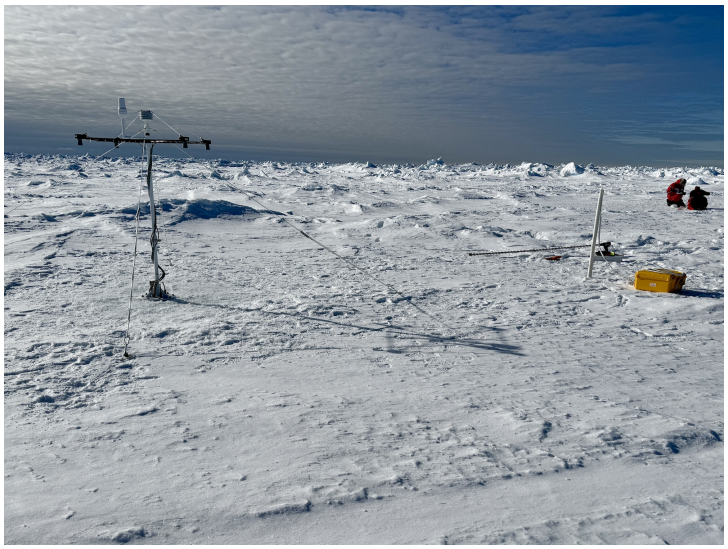
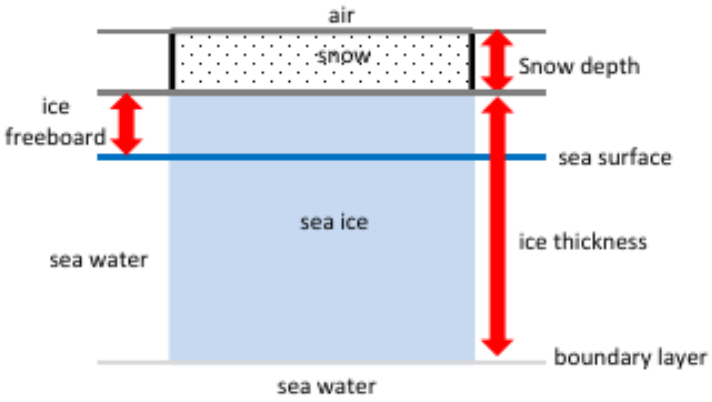


Photo credits: Stefanie Arndt



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

Ice floe of buoy deployment was sampled on same day as ice station PS146_20250130_3, doing snow pit work, snow depth and sea ice thickness transects (MagnaProbe and GEM), ice coring.
Additional buoy deployment: 2025T130
Ice conditions: floe size: >2km, ridge density: 80-90%, ridge height: 0.5-3m
Weather conditions: clouds: 3/8, T = -2°C, calm.