Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2026T148
IMEI: 300534067770450
Buoy type: Thermistor Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 26.02.2026 23:20
Position (Lat/Lon): -66.59480/-55.41340
Region: Weddell Sea
Contact:
Christian Haas (AWI)
Expedition name: Polarstern PS153-SWOS 2026
Means of deployment: Ship - gangway

Snow and ice conditions

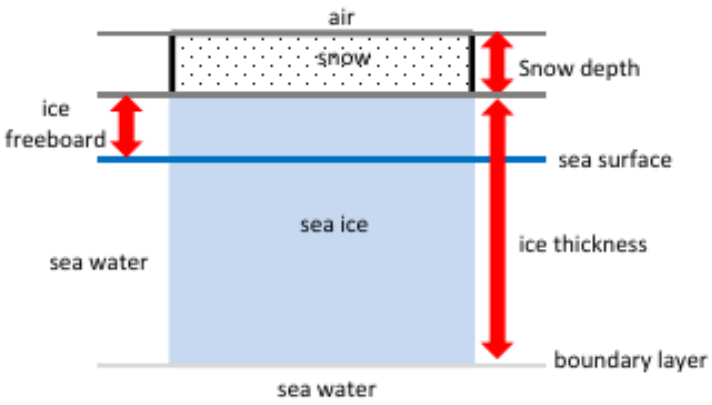
Snow depth: 0.07 m
Ice thickness: 1.63 m
Ice freeboard: 0.12 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Chain length: 5 m
Sensor spacing: 0.02 m
Sensor ice water (Sensor ID): 117
Sensor sea surface (Sensor ID): 35
Sensor snow ice (Sensor ID): 32
Sensor air snow (Sensor ID): 32



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_20260226_10, doing a full sea ice physics and biology, oceanography and atmospheric sampling program.
Additional buoy deployment: 2026S149
Ice conditions: floe size: > 5 km, ridge density: 70-80 percent, ridge height: 2-3m, SIC: 90-100 percent
Weather conditions: clouds: 6/8, T = -0.5°C, calm.