Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2026T137
IMEI: 300534063685450
Buoy type: Thermistor Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 23.02.2026 00:58
Position (Lat/Lon): -66.78640/-53.63680
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Polarstern PS153-SWOS
Means of deployment: Ship - mummy

Snow and ice conditions

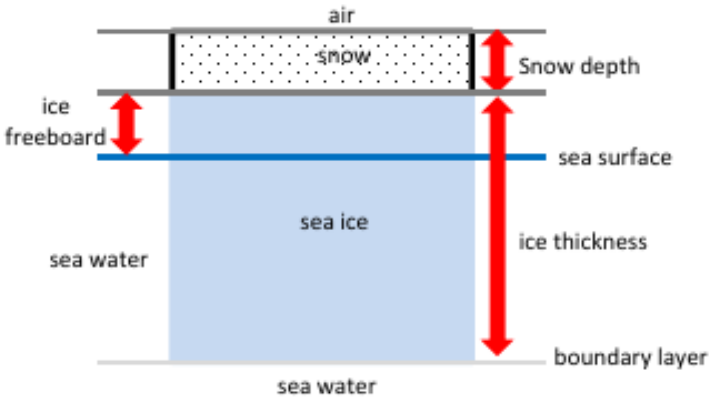
Snow depth: 0.02 m
Ice thickness: 0.75 m
Ice freeboard: 0.06 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Chain length: 4 m
Sensor spacing: 0.02 m
Sensor ice water (Sensor ID): 69
Sensor sea surface (Sensor ID): 35
Sensor snow ice (Sensor ID): 32
Sensor air snow (Sensor ID): 31



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 PS153_20260222_8, doing a full sea ice physics and biology, oceanography and atmospheric sampling program.
Additional buoy deployment: 2026S150
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.