Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025P355
IMEI: 300534068118250
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: University of Otago

Deployment information

Date and Time (UTC): 14.11.2025 03:05
Position (Lat/Lon): -77.84130/164.82720
Region: McMurdo Sound, Antarctica
Contact:
Antonia Radlwimmer (UOO)
Emily Wahab (UOO)
Inga Smith (UOO)
Expedition name: ScottBase Smith 2025
Means of deployment: Helicopter

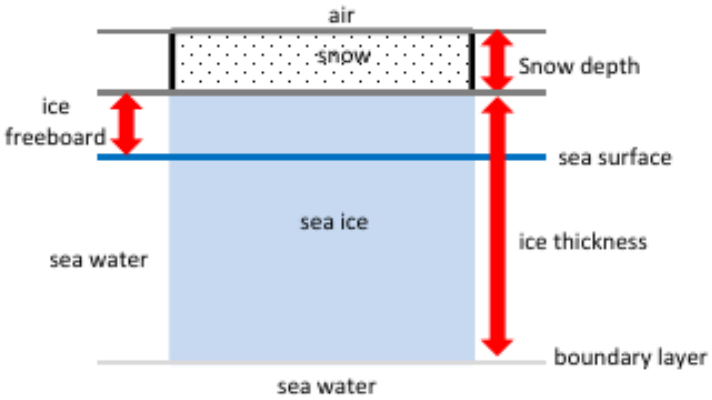
Snow and ice conditions

Snow depth: 0.02 m
Ice thickness: 2.05 m
Ice freeboard: 0.23 m
Ice types:
Fast Ice
FYI (First Year Ice)

Buoy-specific parameters



Photo credits: Emily Wahab



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

Weather and ice topography: Warm (-1.4°C) and calm. Ice flat, snow only in patches. Fast-ice edge ca. 8.8km away.
Snow depth at points 15 m south, east, north, and west of buoy: 0.01 m, 0.02 m, 0.04 m, 0.05m
Snow layers at points 15 m south, east, north, and west of buoy: no snow layers
Ice thickness at points 15 m south, east, north, and west of buoy: 2.00 m, 2.05 m, 2.02 m, 2.08 m
Ice freeboard at points 15 m south, east, north, and west of buoy: 0.23 m, 0.24 m, 0.22 m, 0.23 m
SIPL thickness at points 15 m south, east, north, and west of buoy: 3.09 m, 3.34 m, 3.82 m, 0.94 m
Deployed by Inga Smith (University of Otago), Antonia Radlwimmer (University of Otago), Emily Wahab (University of Otago), helicopter to site flown by Andrew Hefford (Southern Lakes Helicopters, contracted to Antarctica New Zealand), sea ice safety checking and field assistance provided by Sam Marsh (Scott Base/Antarctica New Zealand).