Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025P354
IMEI: 300534068115270
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: University of Otago

Deployment information

Date and Time (UTC): 12.11.2025 20:55
Position (Lat/Lon): -77.86830/166.64850
Region: McMurdo Sound, Antarctica
Contact:
Antonia Radlwimmer (UOO)
Emily Wahab (UOO)
Greg Leonard (UOO)
Harald Schwefel (UOO)
Inga Smith (UOO)
Expedition name: ScottBase Smith 2025
Means of deployment:

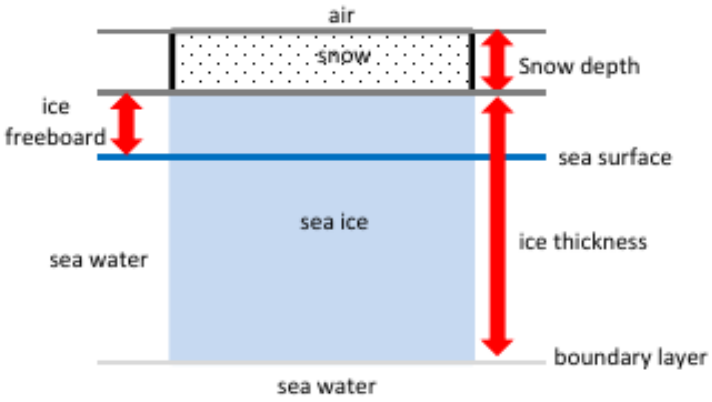
Snow and ice conditions

Snow depth: 0.37 m
Ice thickness: 2.1 m
Ice freeboard: 0.12 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.)*

Ice topography: Deployment on smooth expanse of ice right next to previous site of Sea Ice Monitoring Station (SIMS). Snow had accumulated around SIMS.
Snow depth at points 15 m south, east, north, and west of buoy: 0.27 m, 0.42 m, 0.32 m, 0.24m
Snow layers at points 15 m south, east, north, and west of buoy: south: 30 mm, 80 mm, 175 mm, east: 55 mm, 360 mm, north: 90 mm, 120 mm, west: 67 mm, 80 mm, 170 mm
Ice thickness at points 15 m south, east, north, and west of buoy: 2.21 m, 1.96 m, 2.13 m, 2.30 m
Ice freeboard at points 15 m south, east, north, and west of buoy: 0.14 m, 0.05 m, 0.13 m, 0.19 m
SIPL thickness at points 15 m south, east, north, and west of buoy: 1.32 m, 1.43 m, 0.09 m (questionable), 1.17 m
Deployed by and measurements made by Inga Smith (University of Otago), Antonia Radlwimmer (University of Otago), Emily Wahab (University of Otago), and measurements made by Harald Schwefel (University of Otago) and Greg Leonard (University of Otago).