Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025P356
IMEI: 300534068119250
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: University of Otago

Deployment information

Date and Time (UTC): 14.11.2025 01:10
Position (Lat/Lon): -77.37360/164.43780
Region: McMurdo Sound, Antarctica
Contact:
Antonia Radlwimmer (UOO)
Emily Wahab (UOO)
Inga Smith (UOO)
Expedition name: ScottBase Smith 2025
Means of deployment: Helicopter

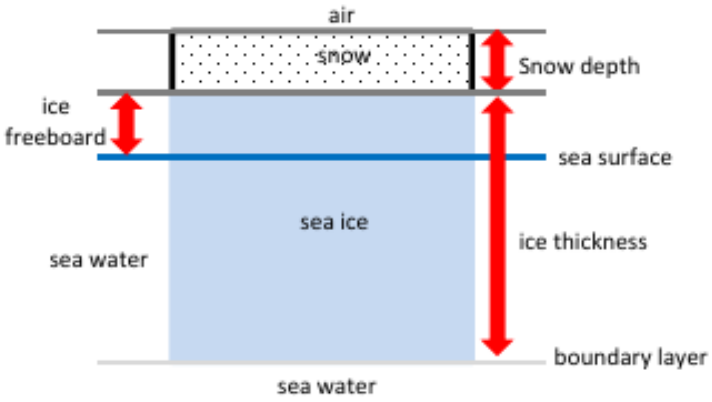
Snow and ice conditions

Snow depth: 0.17 m
Ice thickness: 1.94 m
Ice freeboard: 0.14 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 north-west of a large field of refrozen brash ice / ice rubble. Western point right on border. Fast-ice edge ca. 5km away.
Snow depth at points 15 m south, east, north, and west of buoy: 0.02 m, 0.15 m, 0.32 m, 0.34m
Snow layers at points 15 m south, east, north, and west of buoy: south: none, east: 110 mm, north: 75 mm, 130 mm, west: 35 mm, 90 mm, 200 mm
Ice thickness at points 15 m south, east, north, and west of buoy: 1.95 m, 1.88 m, 1.78 m, 1.96 m
Ice freeboard at points 15 m south, east, north, and west of buoy: 0.185 m, 0.180 m, 0.087 m, 0.075 m
SIPL thickness at points 15 m south, east, north, and west of buoy: 0.02 m, 0.02 m, 0.06 m, 0.33 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).