Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2024P313
IMEI: 300534065475450
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: University of Otago

Deployment information

Date and Time (UTC): 19.11.2024 07:38
Position (Lat/Lon): -77.88604/166.68802
Region: McMurdo Sound, Antarctica
Contact:
Andrea Foley (UOO)
Antonia Radlwimmer (UOO)
Chris Pooley (UOO)
Inga Smith (UOO)
Expedition name: ScottBase Smith 2024
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.4 m
Ice thickness: 2.11 m
Ice freeboard: 0.12 m
Ice types:
Fast Ice
FYI (First Year Ice)

Buoy-specific parameters

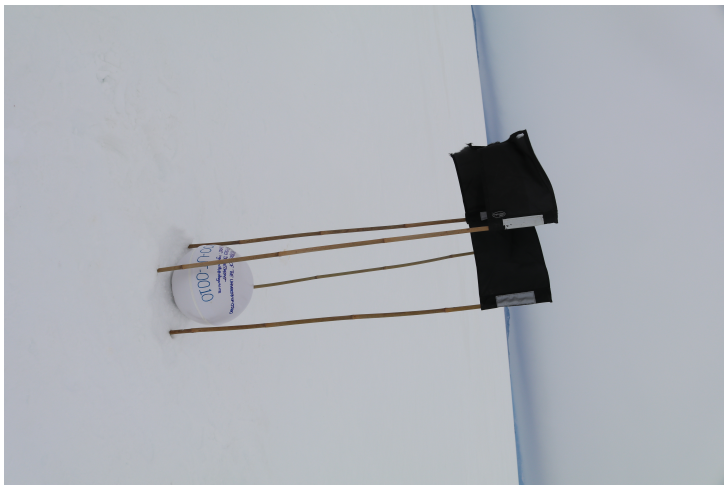
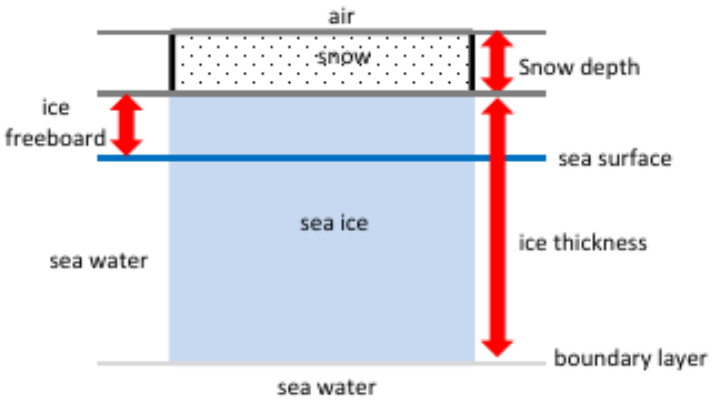


Photo credits:



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

Weather: overcast, barely any wind
Snow topography: fairly homogeneous snowcover (ca. 40cm), slightly more snow around SIMS2024 site (ca. 20m from C). Snow depth at points 15 m south, east, north, and west of buoy: 0.36 m, 0.37 m, 0.355 m, 0.43m. Depth of hard snow layers at points 15 m south, east, north, and west of buoy: (0.16m, 0.28m), (0.19m, 0.29m), (0.185m, 0.29m), (0.23m, 0.29m). Ice thickness at points 15 m south, east, north, and west of buoy: 1.1 m, 1.1m, 1.1 m, 1.08 m. Ice freeboard at points 15 m south, east, north, and west of buoy: 0.1 m, 0.1 m, 0.11 m, 0.1 m. SIPL thickness at points 15 m south, east, north, and west of buoy: 0.27 m, 2.34 m, 0.1 m, 0.22 m. Deployed by Inga Smith (University of Otago), Antonia Radlwimmer (University of Otago), Andrea Foley (University of Otago), Chris Pooley (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 Sarina Anderson (Scott Base/Antarctica New Zealand).