Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2023P297
IMEI: 300534064424620
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: University of Otago

Deployment information

Date and Time (UTC): 11.11.2023 02:01
Position (Lat/Lon): -77.33462/164.92678
Region: McMurdo Sound, Antarctica
Contact:
Inga Smith (UOO)
Expedition name: Antarctica New Zealand Event K892B-2324 2023
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.015 m
Ice thickness: 1.44 m
Ice freeboard: 0.145 m
Ice types:
Fast Ice
FYI (First Year Ice)

Buoy-specific parameters

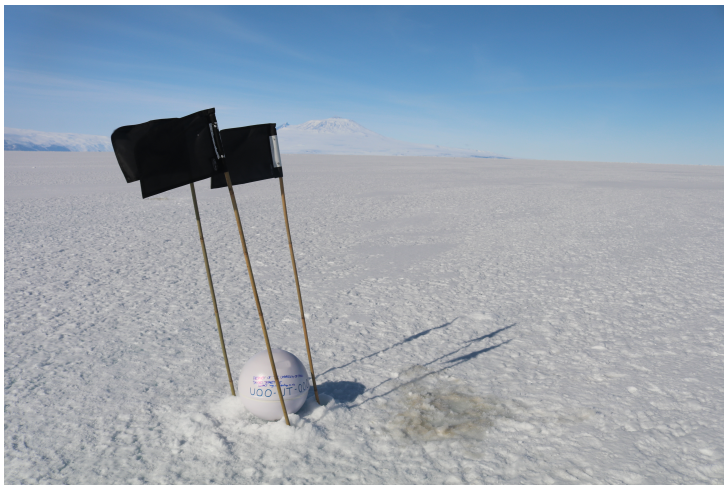
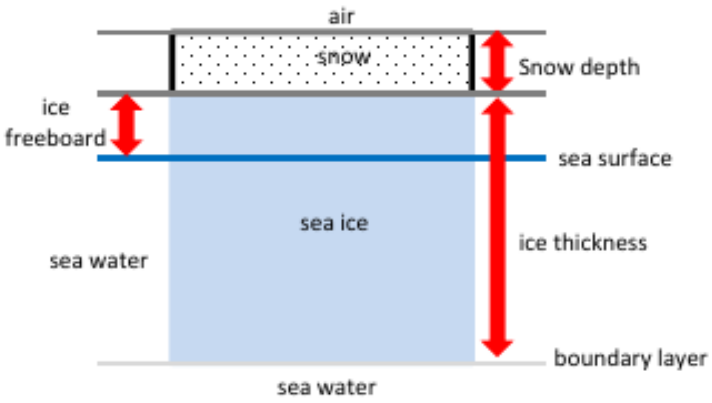


Photo credits: Inga Smith



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

Snow depth at points 15 m east, north, west, and south of centre measurement point were 0.04 m, 0.04 m, 0.02 m, 0.03 m.
Sub-ice platelet layer thickness measured by weighted tape measure to be 0.42 m, 0.37 m, 0.38 m, 0.46 m thick at those points, and 0.47 m at the centre point. Deployed by Inga Smith (University of Otago), with field assistance from Sean Chua (Australian Antarctic Division) and Pauline Barras (University of Canterbury), with helicopter to site flown by Andrew Hefford (Southern Lakes Helicopters, contracted to Antarctica New Zealand), and with sea ice safety checking and field assistance provided by Zoe Gilmer (Scott Base/Antarctica New Zealand).