Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2023P293
IMEI: 300534063443630
Buoy type: Surface Velocity Profiler (iSVP)
Buoy owner: University of Otago

Deployment information

Date and Time (UTC): 10.11.2023 23:06
Position (Lat/Lon): -77.66746/165.45745
Region: McMurdo Sound, Antarctica
Contact:
Inga Smith (UOO)
Expedition name: Antarctica New Zealand Event K892B-2324 2023
Means of deployment: Helicopter

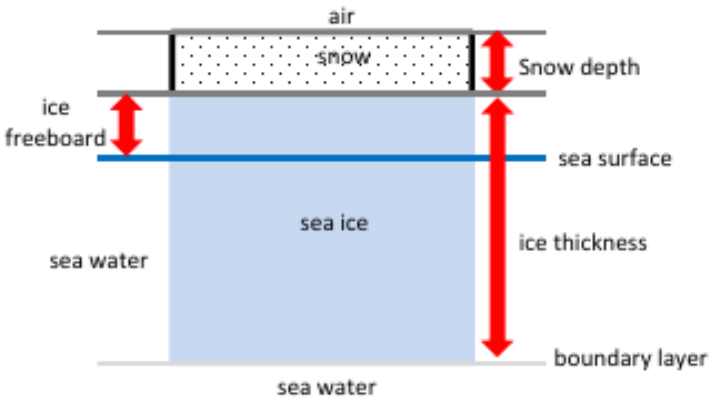
Snow and ice conditions

Snow depth: 0.12 m
Ice thickness: 1.82 m
Ice freeboard: 0.12 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 only measured at C, snow depth very variable here so we agreed that it would be good to come back with Magnaprobe in better weather conditions as wind getting very strong at this time, and that was done on 15 November 2023. Deployment was on one side of a refrozen crack/pressure ridge feature, and measurements of snow depth, ice thickness, and ice freeboard were variable on 15 November 2023 within a 30 m cross-shaped transect, and variable sub-ice platelet layer thicknesses were observed on that date. No sub-ice platelet layer (SIPL) at this site on 11 November 2023. 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).