Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2022S121
IMEI: 300534061252920
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 27.08.2022 12:00
Position (Lat/Lon): 89.93932/38.83667
Region: North Pole
Contact:
Steffen Graupner (Unknown at import time)
Expedition name: Charcot 22
Means of deployment: Ship - gangway

Snow and ice conditions

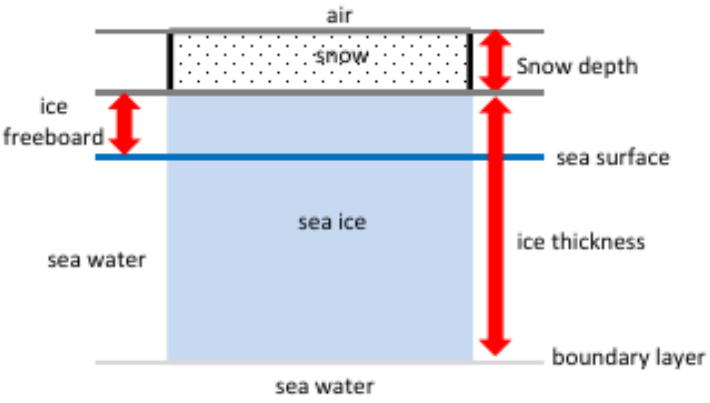
Snow depth: 0.05 m
Ice thickness: 2.96 m
Ice freeboard: 0.22 m
Ice types:
FYI (First Year Ice)
Meltpond
Ridge
SYI (Second Year Ice)

Buoy-specific parameters

Initial sh1: 0.04 m
Initial sh2: 0.03 m
Initial sh3: 0.03 m
Initial sh4: 0.02 m
Temp correction: off



Photo credits:



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

Ca. +3°air temperature, changing cloud cover: morning very foggy, later mostly cloudy and overcast, generally good visibility and some sun, ~5 kn wind.
First year ice, with pressure ridges and melt ponds within 20m radius (no better floe to be found for passenger operations, deployment structure see drone pictures). Some patches of 2nd year ice and/or floes thickened by ice dynamics. (See drone pictures.)
Meltponds with ca. 7cm ice cover on top, below ~50cm water, below ~1m ice.