Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2024S140
IMEI: 300534066614760
WMO number: 5802156
Buoy type: Snow Buoy
Buoy owner: Unknown at import time

Deployment information

Date and Time (UTC): 16.09.2024 19:15
Position (Lat/Lon): 89.80000/-9.71667
Region: North Pole
Contact:
Christian Haas (AWI)
Expedition name: Charcot 2024
Means of deployment: Ship - gangway

Snow and ice conditions

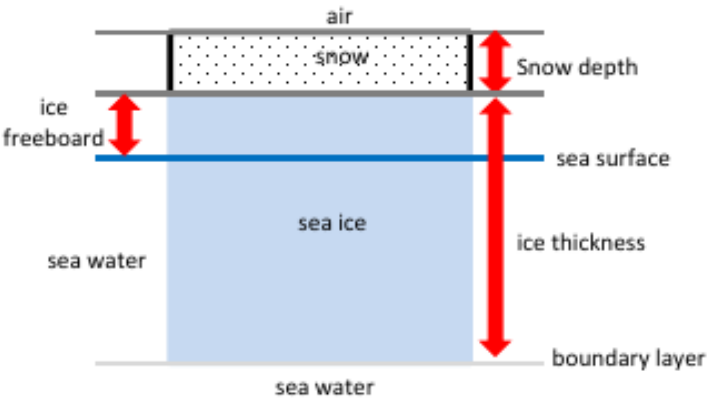
Snow depth: 0.16 m
Ice thickness: 1.2 m
Ice freeboard: 0.06 m
Ice types:
SYI (Second Year Ice)

Buoy-specific parameters

Initial sh4: 0.21 m
Initial sh3: 0.21 m
Initial sh2: 0.21 m
Initial sh1: 0.21 m
Temp correction: off



Photo credits:



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

Long station at North Pole. On Sept 15 deployment of SIMBA PRIC1501 on same floe, and same level ice patch surrounded by ridges. Large floe although edges could be seen from bridge. Drifted 15 Miles in 1.5+ days. Sampling area quite level and uniform, buoys were deployed past a weak ridge line. Much fluffy snow. Poor light in general. Some nice ridges during EM profile. Melt ponds indistinguishable from bare ice, as they had rough surface. Maybe had softer ice with more voids. Compare with EM31 profile for larger context. Not measured as snow was quite disturbed by deployment, and then leveled with shovel. I suggest to use 0.21 m for all sensors as a starting thickness. Note that there was quite much snow on this floe, also compare with our drill hole profile. Maybe this new fluffy snow will be eroded during next blizzard? Maybe not?