Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2025T144
IMEI: 300534063685440
Buoy type: Thermistor Buoy
Buoy owner: Norwegian Polar Institute

Deployment information

Date and Time (UTC): 16.07.2025 14:55
Position (Lat/Lon): 84.77856/14.19204
Region: Arctic Ocean
Contact:
Dmitry Divine (NPI)
Expedition name: Polarstern PS149-CONTRASTS 2025
Means of deployment:

Snow and ice conditions

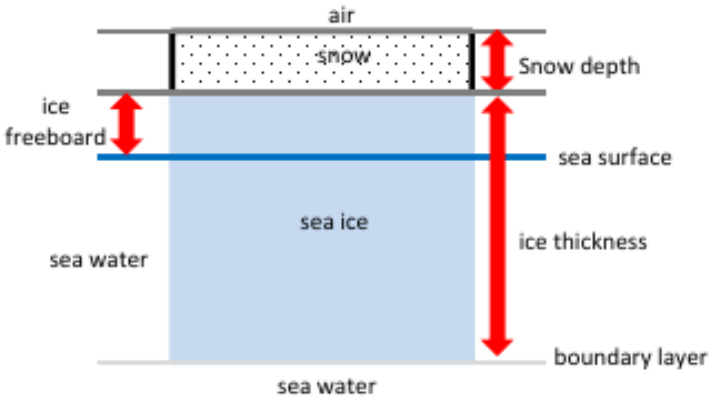
Snow depth: 0.04 m
Ice thickness: 3.4 m
Ice freeboard: 0.8 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Chain length: 5 m
Sensor spacing: 0.02 m
Sensor ice water (Sensor ID): 185
Sensor snow ice (Sensor ID): 13
Sensor air snow (Sensor ID): 13



Photo credits: Dmitry Divine



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

SIMBA deployed in the minor ridge between two level FYI ice floes close to the ROV hole. Level ice thickness around 0,8 m on the side towards the big lead where RV Polarstern is moored. Ice thickness on the other side is above 1,4 m. The site is close to the "main road" and some 50 m away of the ROV hole and close to the marked ROV line. The ridge is built from blocks of 15-20 cm thick. Sail height about 1 m. Ridge width about 5-6 m. The borehole for thermistor chain was drilled at the top of the ridge.