Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2022S119
IMEI: 300534061259900
WMO number: 7101597
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 16.02.2022 15:10
Position (Lat/Lon): -68.80916/-51.94055
Region: Weddell Sea
Contact:
Stefanie Arndt (AWI)
Expedition name: Endurance22
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.03 m
Ice thickness: 1.94 m
Ice freeboard: 0.28 m
Ice types:
FYI (First Year Ice)
Ridge

Buoy-specific parameters

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



Photo credits: S. Arndt

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

Ice floe of buoy deployment was sampled on same day as ice station E22_20220216_1, doing snow pit work, snow depth and sea ice thickness transects (MagnaProbe and GEM), ice coring.

Ice conditions:
floe size: >2km, ridge density: 10-20%, ridge height: 1-2m; soft snow layer on top; beneath most likely thick layer of superimposed ice and snow ice

Weather conditions:
clouds: 8/8, T = -5°C, calm