Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2020M23
IMEI: 300025060609430
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 18.09.2020 11:45
Position (Lat/Lon): 89.07892/106.83058
Region: Central Arctic Ocean
Contact:
Jacob Allerholt (AWI)
Mario Hoppmann (AWI)
Expedition name: MOSAiC
Means of deployment: Ship - gangway

Snow and ice conditions

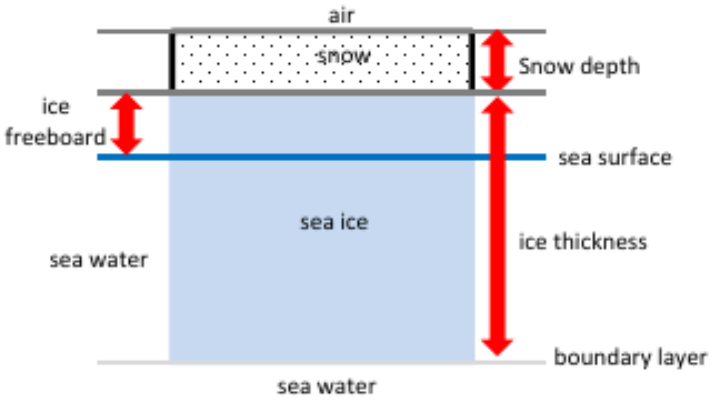
Snow depth: 0.05 m
Ice thickness: 1.55 m
Ice freeboard: 0.18 m
Ice types:
FYI (First Year Ice)
Level Ice

Buoy-specific parameters

Sensor air snow (SensorID): 29
Total number of sensors: 256
Salinity package: 0
Initial sh: 0.05 m
Serial package: 1
Solar package: 0
Sensor spacing: 0.02 m
Chain length: 5.12 m



Photo credits:



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

Deployed next to iBOB and AZFP buoys ice thickness 1.55m, snow depth 0.05m, freeboard: 0.18m

Conductivity cell hole: ice thickness 1 m; deployment depth 2.2 m
Deployed with plastic pipes and photo tripod. Snow pinger mounted on top.
Camera facing iBOB and AZFP buoys with ablation stakes, thermistor chain tripod