

Buoy deployment report

Buoy information

Buoy name: **2021M31**
IMEI-ID: 3000 2501 0120 440
WMO-ID:
Buoy type: **IMBflex**

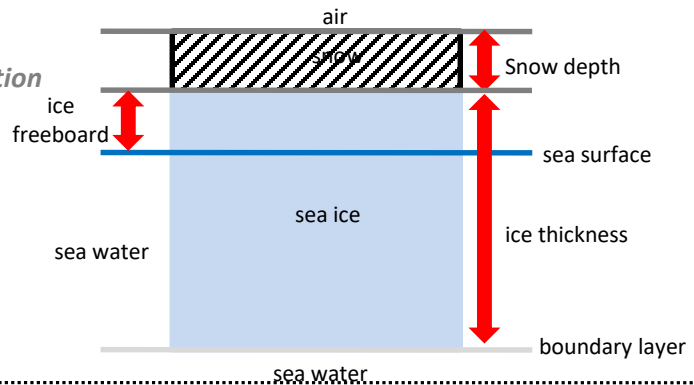
Deployment information

Date and Time (Time zone): **17.9.2021 – 16:00 (CET)**
Position (Lat/Long): **87 29.950' N / 18 13.315' W**
Region: **Amundsen Basin**
Name and Institute: **Mats Granskog-Norwegian Polar Institute**
Contact e-mail: **mats.granskog@npolar.no**
Expedition name: **Nansen Legacy JC2-2**
Station No.: **P11**
Means of deployment: **on foot, near vessel, 3-day ice station**



Snow and Ice conditions

Snow depth [m]: **0.13**
Ice thickness [m]: **1.50**
Ice Freeboard [m]: **0.12**
Ice type: **TBD**



Required additional information for snow buoys

Snow thickness under sensors [m]: (3 measurements per sensor)
Sensor 1:
Sensor 2:
Sensor 3:
Sensor 4:

Required additional information for IMB (thermistor)

Thermistor chain length [m]: **5.0**
Sensor interval [cm]: **2**
Sensor numbers at interfaces (index starts at 0)
Sensor air - snow: **29**
Sensor snow - ice: **35**
Sensor sea surface: **43**
Sensor ice - water: **112**

Additional information

Deployed as part of the H2020 Arctic Pasision project.

Snow pit, GEM-2 & magna probe transects from same floe available, A. Steer (NPI)

'Snow and ice conditions' were from a test hole drilled 1m away from thermistor hole so not to disturb snowpack

Bruncin IMB – ID 068 -

Weather: Overcast, -8c, 3-5 m/s, northerly

Problems: Buoy did not boot up properly on first try, required rebooting several tries before correct dignostic LED sequence.

Attached underwater sensor cable with sensor in air, looking upward incase missing sensor was causing failure.

Snow depth at stakes in picture (L to R): #1: **0.17m**, #2: **0.13m**, #3: **0.09m**, #4: **0.14m**