Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2022T94
IMEI: 300234068326160
Buoy type: Thermistor Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 12.08.2022 13:00
Position (Lat/Lon): 89.94411/48.28575
Region: North Pole
Contact:
Steffen Graupner (Unknown at import time)
Expedition name: Charcot 22
Means of deployment:

Snow and ice conditions

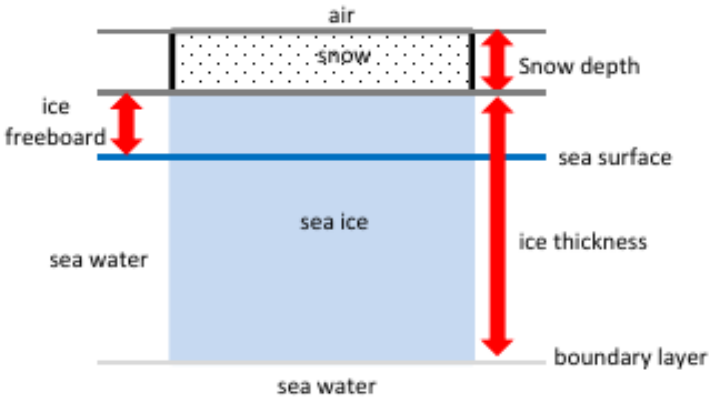
Snow depth: 0.05 m
Ice thickness: 1.9 m
Ice freeboard: 0.14 m
Ice types:
Unknown

Buoy-specific parameters

Sensor air snow (Sensor ID): 57
Sensor snow ice (Sensor ID): 60
Sensor ice water (Sensor ID): 70



Photo credits:



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

Location: North Pole: (89°56,647’ N, 48°17,145’ E)
Floe size: 2000x1000, 1.9m thick, partly 10 cm snow
Deployment:
- Steffen Graupner, John Guthrie & Cecilia Ferriz (Science team NP3)
- Co-deployment of Snow Buoy, SIMBA
Total thickness: 190 cm, water: 176 cm, snow 5cm at sensor (4,4,8,5,5,6,4,4 around)
⇨ Ice thickness 190, freeboard 14 cm
Number of sensor at interfaces difficult to detected, so pls allow error margin:
- Pole length from top of Pole to the ice 119cm, Snow depth 6cm, Ice thickness 190cm
- Top of string at top of Pole sensor number:1
- Top of snow sensor number: 57
- Bottom of snow sensor number: 60
- Top of ice sensor number: 60
- Top of water sensor number: ~70