Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2013S2
IMEI: 300234011695900
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

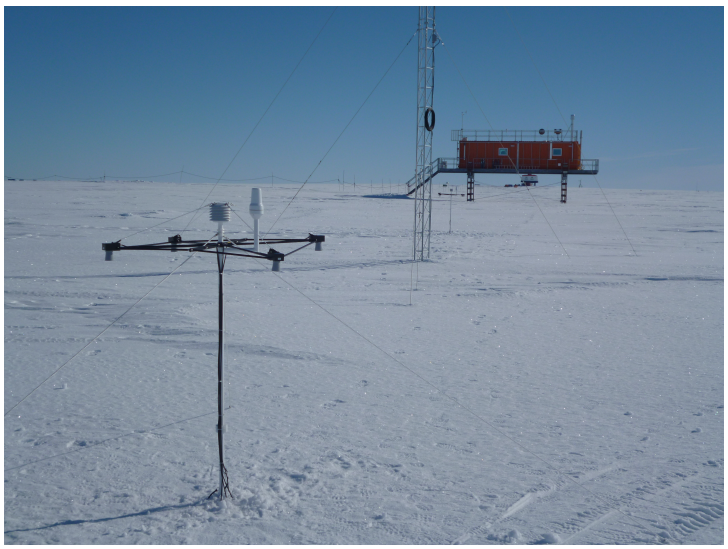
Date and Time (UTC): 11.02.2013 10:38
Position (Lat/Lon): -70.67520/-8.27440
Region: Neumayer III
Contact:
Lisa-Katharina Behrens (AWI)
Expedition name: AFIN 2013
Means of deployment: stationary time series

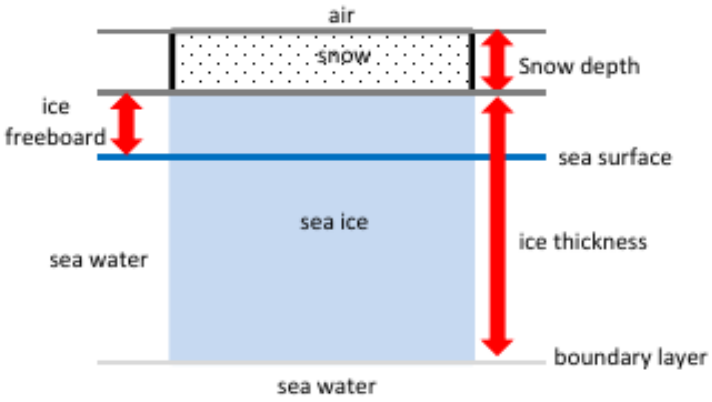
Snow and ice conditions

Snow depth:
Ice thickness:
Ice freeboard:
Ice types:
Shelf Ice

Buoy-specific parameters

Initial sh1: 0 m
Initial sh2: 0 m
Initial sh3: 0 m
Sensor sh4 stop: 2017-07-12 12:01 UTC
Sensor sh3 stop: 2017-07-12 12:01 UTC
Sensor sh2 stop: 2017-07-12 12:01 UTC
Sensor sh1 stop: 2017-07-11 11:00 UTC
Initial sh4: 0 m
Temp correction: on
Sensor temp stop: 2017-07-12 12:01 UTC
Sensor gps stop: 2017-07-12 12:01 UTC
Sensor press stop: 2017-07-12 12:01 UTC





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

This deployment is for testing purposes only.
As the buoy is located on an ice shelf (with deep snow cover), a documentation of the ice conditions does not apply. Due to a large snow accumulation, the buoy was ramped up to the snow surface on 05 July 2013. On 16 July 2013, the same symptoms of failure also occurred with the buoy. The buoy was retrieved and parts from 2013S1 were used to repair it, along with several modifications of the electronics. 2013S2 was again deployed outside the station on 15 August 2013. On 28 April 2015 the buoy was so much covered with snow, that they was dug out and again deployed ca 7m more east.
20.3.2017 buoy redeployed 10m more south.
Former name: NM_S_003.
No data available for initial freeboard, initial ice thickness, initial snow depth
Note: The data set from this buoy does not show snow depth, but only relative changes.

The time series continues as snow buoy 2017S54.