Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2013S4
IMEI: 300234011699880
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 16.03.2013 00:17
Position (Lat/Lon): 71.37100/-156.52660
Region: Alaska
Contact:
Andrew Mahoney (UAF)
Expedition name: SIZONet 2013
Means of deployment: Snow mobile

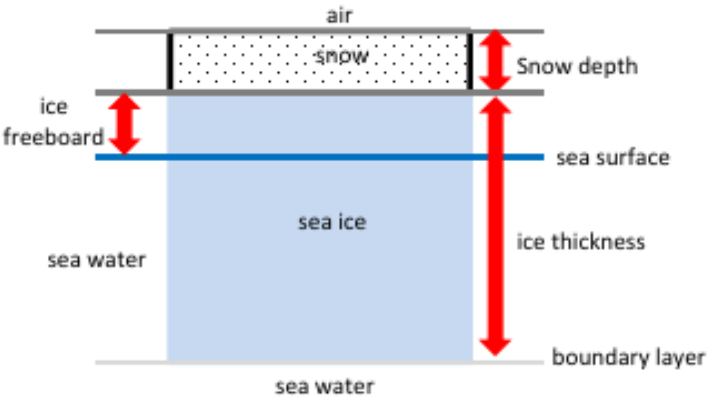
Snow and ice conditions

Snow depth: 0.038 m
Ice thickness: 1.19 m
Ice freeboard:
Ice types:
Fast Ice

Buoy-specific parameters

Temp correction: on
Initial sh2: 0.036 m
Initial sh3: 0.04 m
Initial sh4: 0.04 m
Sensor sh4 stop: 2013-06-14 23:02 UTC
Sensor sh3 stop: 2013-06-14 23:02 UTC
Sensor sh2 stop: 2013-04-09 17:02 UTC
Sensor sh1 stop: 2013-04-09 17:02 UTC
Sensor press stop: 2013-06-28 23:02 UTC
Sensor temp stop: 2013-06-28 23:02 UTC
Sensor gps stop: 2013-06-28 23:02 UTC
Initial sh1: 0.033 m





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

Former names: AL_S_001 and 2013S4a.
No data available for initial freeboard.
The buoy mast was repaired and re-installed on 5.April 2013. A difference in snow depth (compared to the orginial setup is corrected: -4cm, based on the readings of the Barrow Ice Mass Balance Station close by: http://seaice.alaska.edu/gi/observatories/barrow_sealevel/mbs_data_download) Initial ice thickness was also taken from the Mass Balance Station.
Detailed measurements for Snow thickness under sensors:
Sensor 1: 0.03/0.03/0.04
Sensor 2: 0.03/0.05/0.03
Sensor 3: 0.05/0.04/0.03
Sensor 4: 0.03/0.04/0.05

recovered and redeployed as 2014S25 during SIZONet 2014