Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2016T42
IMEI: 300234062428070
WMO number: 7100749
Buoy type: Thermistor Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 18.01.2016 11:05
Position (Lat/Lon): -75.14202/-36.60378
Region: Weddell Sea
Contact:
Leonard Rossmann (AWI)
Stefanie Arndt (AWI)
Expedition name: PS96-ANT31/2
Means of deployment: Helicopter

Snow and ice conditions

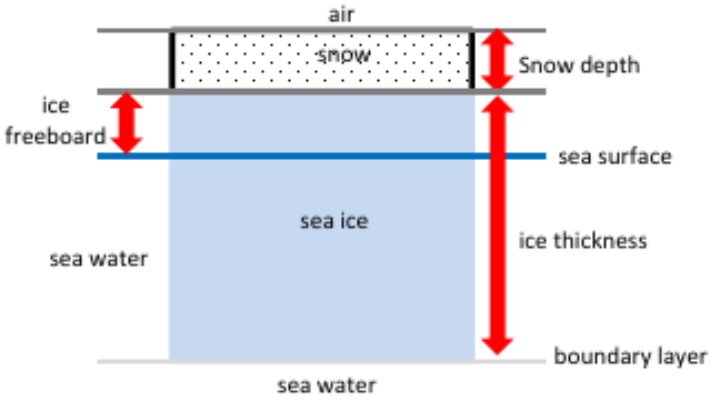
Snow depth: 0.14 m
Ice thickness: 1.99 m
Ice freeboard: 0.15 m
Ice types:
MYI (Multi Year Ice)

Buoy-specific parameters

Total number of sensors: 240
Sensor air snow (Sensor ID): 14
Sensor snow ice (Sensor ID): 21
Sensor sea surface (Sensor ID): 29
Sensor ice water (Sensor ID): 121
Sensor chain stop: 2017-01-08 14:00 UTC
Sensor gps stop: 2017-01-08 14:29 UTC
Chain length: 5 m
Sensor spacing: 0.02 m



Photo credits:



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

Deployed along with 2016S37 and as the center point of the drift array with 2016P18, 2016P20, 2016P28 (iSVP2 from Petra Heil)
Floe description: diameter bigger than 1km, 40-50 percent ridges with an height of 2-3 meters, deployment in the center of the floe, cold old weatherd snow (4 cm compacted crust)
Weather: sunny with high clouds