Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2017M5
IMEI: 300025060103990
Buoy type: IMBflex
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

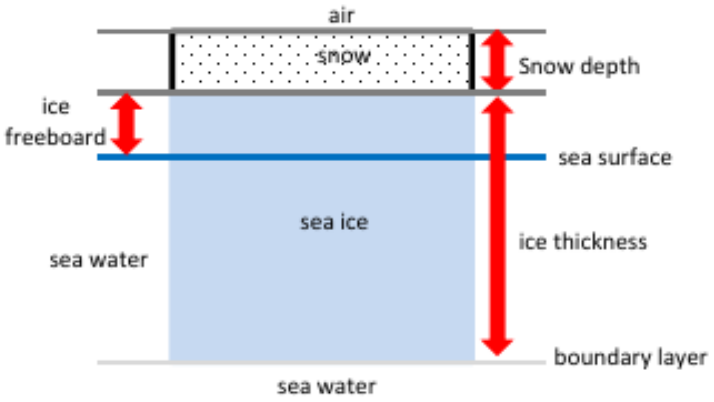


Deployment information

Date and Time (UTC): 10.01.2017 12:55
Position (Lat/Lon): -71.37068/-13.97976
Region: Weddell Sea
Contact:
Mathias van Caspel (AWI)
Stefanie Arndt (AWI)
Expedition name: PS103-ANT32/2
Means of deployment: Helicopter

Snow and ice conditions

Snow depth: 0.06 m
Ice thickness: 0.39 m
Ice freeboard: 0.03 m
Ice types:
FYI (First Year Ice)



Buoy-specific parameters

Sensor ice water (SensorID): 49
Serial package: 0
Solar package: 0
Sensor snow ice (SensorID): 30
Sensor sea surface (SensorID): 33
Sensor air snow (SensorID): 29
Chain length: 5.12 m
Sensor spacing: 0.02 m
Total number of sensors: 256

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

Deployed along with 2017S47 and as the center point of the drift array with 2017P25, 2017P26 and 2017P27
Floe description: size about 800m-by-1000m, 10-20 percent ridges, partly visible surface flooding
Weather: sunny, no wind