Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2014T16
IMEI: 300234011389160
Buoy type: Thermistor Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

Date and Time (UTC): 13.01.2014 18:56
Position (Lat/Lon): -77.15826/-34.53315
Region: Weddell Sea
Contact:
Ben Lange (AWI)
Sandra Schwegmann (AWI)
Expedition name: PS82-ANT29/9
Means of deployment: Helicopter

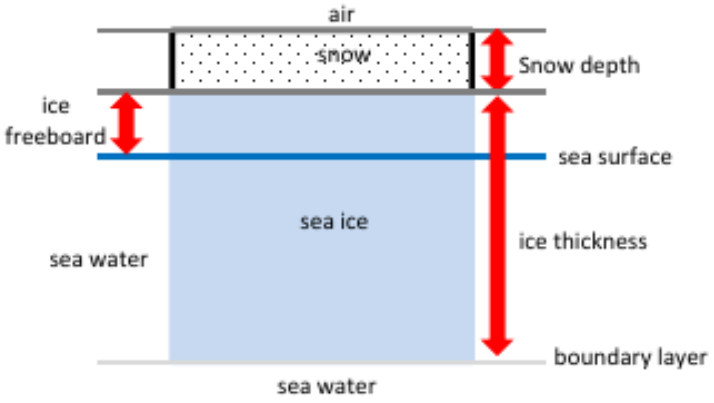
Snow and ice conditions

Snow depth: 0.05 m
Ice thickness: 1.33 m
Ice freeboard: 0.13 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Sensor spacing: 0.02 m
Chain length: 20 m
Sensor air snow (Sensor ID): 24
Sensor snow ice (Sensor ID): 27
Sensor sea surface (Sensor ID): 34
Sensor ice water (Sensor ID): 93
Total number of sensors: 270





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

Thermistor chain is 20 m long with spacing for 2cm (first 5m) and 50cm (15m)
clear to cloudy, barely wind, air temperature ca minus 3 degree C, floe size: 500 to 2000m, level spot, small ridges around, aerial coverage of ridges 20 percent, ridge height 0.5 to 1.0 m
Snow buoy 2014S10 also deployed