# Buoy Deployment Report

seaiceportal.de

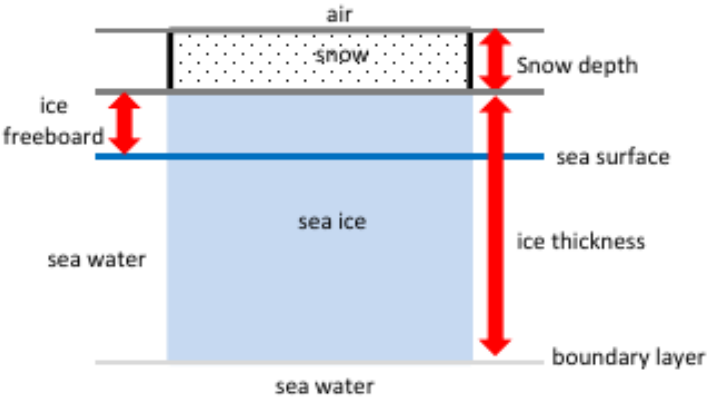
## Buoy information

*Buoy name:* 2016S50
*IMEI:* 300234063227960
*WMO number:* 2600571
*Buoy type:* Snow Buoy
*Buoy owner:* Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research



## Deployment information

*Date and Time (UTC):* 02.10.2016 16:50
*Position (Lat/Lon):* 87.10700/61.60500
*Region:* Arctic Ocean
*Contact:*
Christian Katlein (AWI)
Marcel Nicolaus (AWI)
*Expedition name:* PS101-ARK30/3
*Means of deployment:* Ship - mummy




## Snow and ice conditions

*Snow depth:* 0.11 m
*Ice thickness:* 0.93 m
*Ice freeboard:* 0.06 m
*Ice types:*
SYI (Second Year Ice)

## Buoy-specific parameters

*Initial sh2:* 0.02 m
*Initial sh3:* 0.04 m
*Initial sh1:* 0.02 m
*Initial sh4:* 0.03 m
*Temp correction:* off
*Sensor temp stop:* 2017-05-17 19:03 UTC
*Sensor press stop:* 2017-05-23 16:03 UTC
*Sensor sh4 stop:* 2016-12-25 12:02 UTC
*Sensor sh3 stop:* 2016-10-10 09:00 UTC
*Sensor sh2 stop:* 2016-10-14 13:02 UTC
*Sensor sh1 stop:* 2016-12-25 20:02 UTC
*Sensor gps stop:* 2017-05-23 16:03 UTC

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

Replacement for the broken S34 buoy
Co-deployed with 2016T39
new snow, but also 10cm of old frozen scattering layer, ice thickness measurements from 2016M1, deployment without ablation shield