# Buoy Deployment Report

seaiceportal.de

## Buoy information

*Buoy name:* 2018M15
*IMEI:* 300025010020240
*Buoy type:* IMBflex
*Buoy owner:* Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

## Deployment information

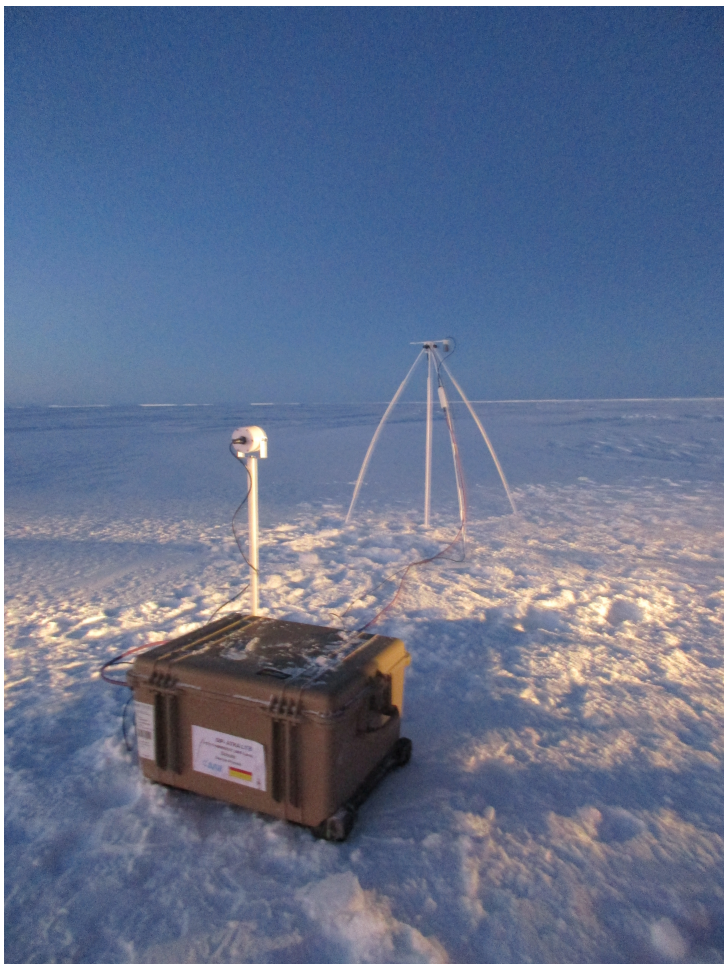
*Date and Time (UTC):* 09.06.2018 16:00
*Position (Lat/Lon):* -70.58225/-7.94434
*Region:* Atka Bay, Atka07
*Contact:*
Hanno Müller (AWI)
Stefanie Arndt (AWI)
*Expedition name:* AFIN 2018
*Means of deployment:* Snow mobile

## Snow and ice conditions

*Snow depth:* 0.22 m
*Ice thickness:* 1.05 m
*Ice freeboard:* 0.02 m
*Ice types:*
Fast Ice

## Buoy-specific parameters

*Total number of sensors:* 368
*Sensor air snow (SensorID):* 56
*Sensor sea surface (SensorID):* 68
*Serial package:* 1
*Solar package:* 0
*Sensor snow ice (SensorID):* 67
*Sensor ice water (SensorID):* 135
*Chain length:* 7.36 m
*Sensor spacing:* 0.02 m



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

The buoy was deployed on immobile fast ice with uniform snow cover. A platelet layer of 30 cm was present below the solid sea ice. Ice thickness refers to solid sea ice only. The sensor number at ice-water interface refers to the transition from platelet ice to sea water. The weight of the salinity sensor hangs 6 m below the sensor, the weight of the temperature chain hangs 20 cm below the lowest temperature sensor. The ultrasonic snow height sensor is 139 cm above the snow surface. The buoy s camera faces the tripod and a snowbuoy next to the tripod.
Co-deployed with 2018S56

Buoy was recovered. Redeployed as buoy 2018M16, equiped with a new thermistor chain and a salinity sensor.