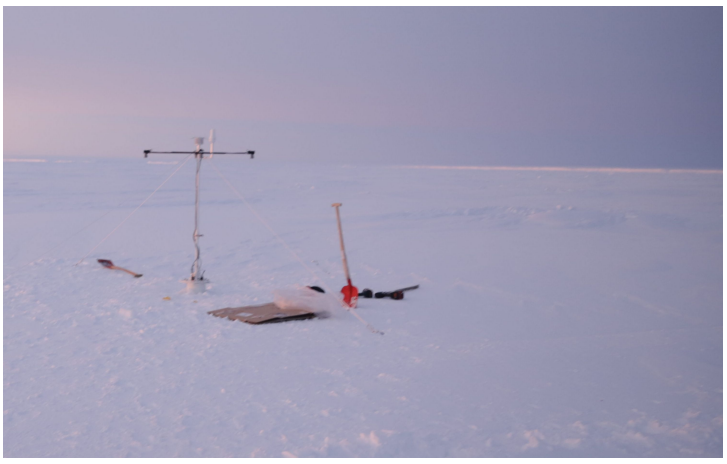
Buoy Deployment Report

seaiceportal.de

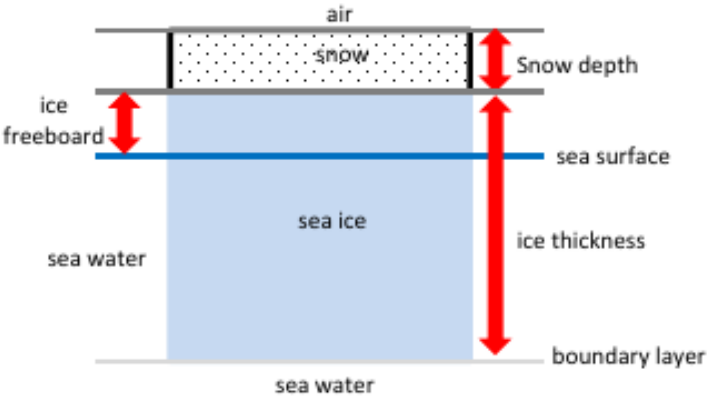
Buoy information

Buoy name: 2018S56
IMEI: 300234065741820
WMO number: 7101553
Buoy type: Snow Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research



Deployment information

Date and Time (UTC): 14.06.2018 15:40
Position (Lat/Lon): -70.58230/-7.94410
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

Sensor gps stop: 2020-01-24 12:07 UTC
Sensor temp stop: 2020-01-24 12:07 UTC
Sensor press stop: 2020-01-24 12:07 UTC
Sensor sh4 stop: 2020-01-24 01:01 UTC
Sensor sh3 stop: 2020-01-23 23:01 UTC
Sensor sh2 stop: 2020-01-24 06:01 UTC
Sensor sh1 stop: 2019-04-15 12:02 UTC
Initial sh4: 0.23 m
Initial sh3: 0.21 m
Initial sh2: 0.22 m
Initial sh1: 0.22 m
Temp correction: off

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

The buoy was deployed on immobile fast ice with uniform snow cover. Due to insufficient drilling equipment the buoy could not be deployed as low as requested. The top of the buoy s body is 42 cm above the sea ice.
Ice thickness refers to solid sea ice only. There is a platelet ice layer of 30 cm present below the solid sea ice.
co-deployed with 2018M15, later 2018M16