Buoy Deployment Report

seaiceportal.de

Buoy information

Buoy name: 2012T1
IMEI: 300034013522600
Buoy type: Thermistor Buoy
Buoy owner: Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research

Deployment information

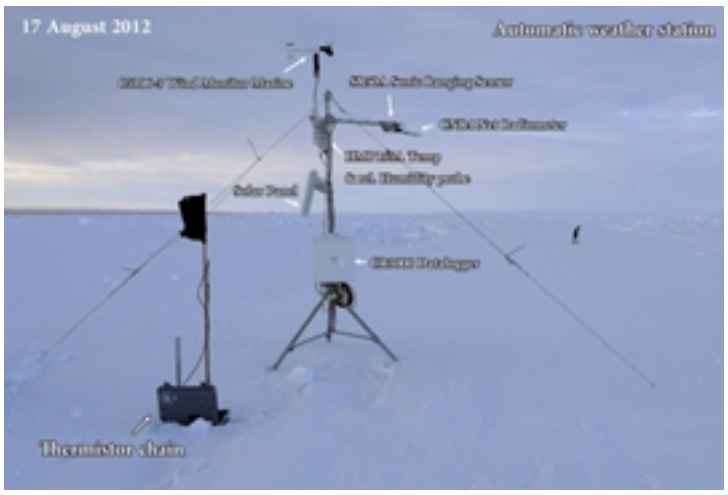
Date and Time (UTC): 10.08.2012 16:44
Position (Lat/Lon): -70.58560/-7.91340
Region: Atka Bay
Contact:
Thomas Schmidt (AWI)
Expedition name: AFIN 2012
Means of deployment: stationary time series

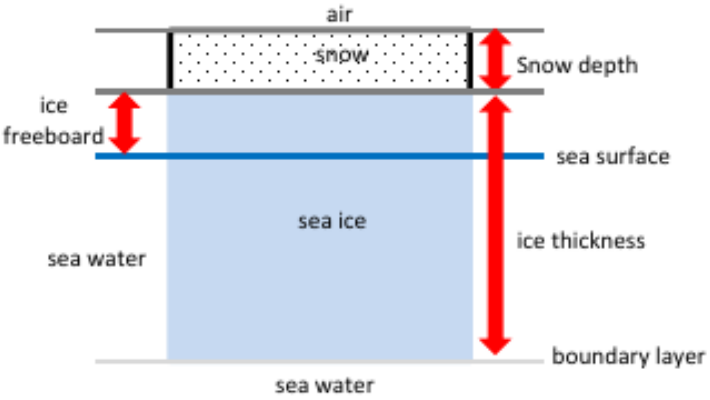
Snow and ice conditions

Snow depth: 0.25 m
Ice thickness: 1.58 m
Ice freeboard: 0 m
Ice types:
FYI (First Year Ice)

Buoy-specific parameters

Sensor spacing: 0.02 m
Total number of sensors: 120
Chain length: 2.4 m
Sensor ice water (Sensor ID): 48
Sensor sea surface (Sensor ID): 89
Sensor snow ice (Sensor ID): 89
Sensor air snow (Sensor ID): 95





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

The unit was an old IMB model. We had lots of problems with it. The chain was shortened to 2.40 m, and mounted reversely in order to get data. It was deployed next to an AWS on immobile fast ice (ATKA08). 10 days later this floe broke off unexpectedly and drifted into the central Weddell Sea. GPS positions were send via Iridium for one year, then the data transmission ceased.
Former name: WS_T_001