

Automatic Weather Station Data from the Vestfonna Ice Cap

SND-ID: ecds0159-1. **Version:** 1.0. **DOI:** <https://doi.org/10.5879/ggjr-7k44>

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ECDS 0159-001 Automatic Weather Station Data from the Vestfonna Ice Cap.txt (1.12 MB)

Citation

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Description

During IPY4-Kinnvika an Automatic Weather Station (AWS) was installed on the western margin of the Vestfonna Ice Cap, Svalbard by a group from the Department of Earth Sciences, Uppsala University, Sweden. The record includes data from 1 May 2007 – 30 April 2009 on air temperature, relative humidity, 4-component radiation, wind speed, wind direction and inclination (tilt) of the radiation instrument arm. Data are hourly means (2-hourly August 2007-April 2008, due to limited storage capacity) of readings every minute. Minor gaps exist in the record. Temperature sensors are unventilated.

Data contains personal data

No

Language

[English](#)

Time Method

[Time series](#)

Time period(s) investigated

2007-05-01 – 2009-04-30

Data format / data structure

[Numeric](#)

Geographic spread

Geographic location: [Svalbard and Jan Mayen](#)

Lowest geographic unit

Country

Research area

[Meteorology and atmospheric sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Climatology / meteorology / atmosphere](#) (INSPIRE topic categories)

Keywords

[Atmosphere](#), [Meteorology](#), [Cryosphere](#), [Ablation zones/accumulation zones](#), [Glaciers](#), [Ice sheets](#), [Ice sheets](#), [Ablation zones](#), [Accumulation zones](#)

Polygon (Lon/Lat)

19.179, 79.93

19.179, 79.929

19.18, 79.929

19.18, 79.93

19.179, 79.93

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

License

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Versions

Version 1.0. 2017-05-12

Homepage

[Expedition: Kinnvika 2007 at the Polar Research Secretariat](#)

[Kinnvika.net](#)

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[DDI 3.3](#)

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