

Urban climate data for Gothenburg, 1983-2020

SND-ID: 2021-253-1. **Version:** 1. **DOI:** <https://doi.org/10.5878/a2h2-4s63>

Download data

UrbanClimateDataGothenburg1983-2020.zip (8.43 MB)

Associated documentation

README_utf8.txt (10.83 KB)

Download all files

2021-253-1-1.zip (~8.45 MB)

Citation

Rayner, D., Lindberg, F., Kukulies, J., Thorsson, S., & Wallenberg, N. (2021) Urban climate data for Gothenburg, 1983-2020 (Version 1) [Data set]. University of Gothenburg. Available at: <https://doi.org/10.5878/a2h2-4s63>

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Description

This dataset contains time-series of hourly climate constructed by merging records from various meteorological stations in and near Gothenburg, Sweden.

The variables included are:

- Central European Time (UTC+1)
- Air temperature (degC).
- Average wind speed (m/s)
- Average wind direction (deg true)
- Relative humidity (%)
- Global radiation (short-wave radiation down on a horizontal surface, W/m/m).
- Diffuse radiation (diffuse short-wave radiation down on a horizontal surface, W/m/m).
- Mean sea-level pressure (hPa).
- Direct-beam short wave radiation (W/m/m) incident on a plane normal to the solar angle.

The dataset covers the period 1986-09-01 - 2020-12-31.

Data files are provided in .csv and NetCDF format (<https://www.unidata.ucar.edu/software/netcdf/>)

Further details are provided in the file README_utf8.txt.

Data contains personal data

No

Language

[English](#)

Time period(s) investigated

1986-09-01 – 2020-12-31

Variables

7

Data format / data structure

[Numeric](#)

Geographic spread

Geographic location: [Göteborg Municipality](#)

Responsible department/unit

Department of Earth Sciences

Research area

[Physical geography](#) (Standard för svensk indelning av forskningsämnen 2011)

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

[Geoscientific information](#) (INSPIRE topic categories)

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

Keywords

[Air temperature](#), [Relative humidity](#), [Solar radiation](#), [Wind direction](#), [Wind speed](#), [Diffuse solar radiation intensity](#), [Atmospheric pressure](#), [Atmospheric conditions](#)

Polygon (Lon/Lat)

11.6048, 57.7786

11.6048, 57.689

12.2919, 57.689

12.2919, 57.7786

11.6048, 57.7786

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

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

Versions

Version 1. 2021-10-01

Contact for questions about the data

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Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

[PDF](#)

[Citation \(CSL\)](#)

[File overview \(CSV\)](#)

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