

DATA SET DESCRIPTION

Recent dataset: Monthly mean air temperature for stations worldwide

Version recent

Cite data set as: DWD Climate Data Center: Recent dataset: Monthly mean air temperature for stations worldwide, version recent, last accessed: <date>.

INTENT OF THE DATASET

Observations had been collected from worldwide CLIMAT stations, and had originally been provided by the respective National Weather Services. Only the most recent years are provided here. Note that data have not yet passed the full DWD quality control.

POINT OF CONTACT

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DATA DESCRIPTION

Spatial coverage global

Temporal coverage 01.01.2015 - previous month

Temporal resolution monthly

Format(s) The names of the data sets start with the station number, followed by the start (year, month) and the end of the data set (e.g. 01001_201501_201706 means station 01001 = Jan Mayen from January 2015 to June 2017). In the data set the year is followed by the 12 monthly means. For information about station numbers, stations and their location use the station list: https://opendata.dwd.de/climate_environment/CDC/help/stations_list_CLIMAT_data.txt

Parameters The monthly mean temperature (= mean daily temperature for a month) is given for each month of the year, each row covers a year.

Jahr	year
Jan	mean daily temperature in January °C
Feb	mean daily temperature in February °C
Mrz	mean daily temperature in March °C
Apr	mean daily temperature in April °C
Mai	mean daily temperature in May °C
Jun	mean daily temperature in June °C
Jul	mean daily temperature in July °C
Aug	mean daily temperature in August °C
Sep	mean daily temperature in September
Okt	mean daily temperature in October °C
Nov	mean daily temperature in November
Dez	mean daily temperature in December

Uncertainties are caused by:

Quality information - differences in the method to determine mean monthly temperatures
not available

DATA ORIGIN

National Meteorological Services

VALIDATION AND UNCERTAINTY ESTIMATE

The quality control includes: Check of internal consistency of the data in a report and check against climatological thresholds.

CONSIDERATIONS FOR APPLICATIONS

For historical data which completed the quality control , see directories ../historical/.

REFERENCES

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REVISION HISTORY

The data is updated on a monthly base. This document is maintained by the Marine Climate Monitoring Division of DWD, last edited 19.12.2018.