

DATA SET DESCRIPTION

Climatological monthly means of air temperature covering period 1961-1990 (Monthly Normals) for stations worldwide

Version qcV001

Cite data set as: DWD Climate Data Center: Climatological monthly means of air temperature covering period 1961-1990 (Monthly Normals) for stations worldwide, version qcV001, 2017.

INTENT OF THE DATASET

The climatological monthly means of the period 1961-1990 are provided for stations all over the world. The data originates from the WMO publication No 847 "Climatological Normals (CLINO) for the Period 1961-1990", publications of the National Meteorological Services, or from section 2 of the routinely disseminated monthly CLIMAT reports of the National Meteorological Services. The climatological normals serve for climatological and climate related applications.

POINT OF CONTACT

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DATA DESCRIPTION

Spatial coverage global

Temporal coverage 01.01.1961 - 31.12.1990

Temporal resolution monthly

Format(s) For every parameter exists a data file, which includes the twelve monthly means for every station. To identify the station numbers use the station list: https://opendata.dwd.de/climate_environment/CDC/help/stations_list_CLIMAT_data.txt

Parameters The multi-annual mean temperature is given for each calendar month of the year. Each row is for a different station.

Station	WMO station-ID
Jan	mean daily temperature in °C January
Feb	mean daily temperature in °C February
Mrz	mean daily temperature in °C March
Apr	mean daily temperature in °C April
Mai	mean daily temperature in °C May
Jun	mean daily temperature in °C June
Jul	mean daily temperature in °C July

Aug	mean daily temperature in °C August
Sep	mean daily temperature in °C September
Okt	mean daily temperature in °C October
Nov	mean daily temperature in °C November
Dez	mean daily temperature in °C December

Uncertainties Known factors of uncertainty: (1) differences in used instrumentation, (2) differences in the methods to determine the daily mean air temperatures, (3) Changes in station location, (4) changes in measuring devices.

Quality information not available

DATA ORIGIN

Mostly: Climatological Normals (CLINO) for the Period 1961-1990; WMO – No. 847, World Meteorological Organization 1996

VALIDATION AND UNCERTAINTY ESTIMATE

Data in the WMO publication can contain errors. The normals are checked with publications of National Met. Services

ADDITIONAL INFORMATION

Information about the recent location of the stations is included in the stations_list_CLIMAT_data.txt.

REFERENCES

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REVISION HISTORY

The data is updated in approximately annual intervals. This document is maintained by the Marine Climate Monitoring Division of DWD, last edited 19.12.2018.