

DATA SET DESCRIPTION

Climatological monthly means of maximum daily 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 maximum daily air temperature covering period 1961-1990 (Monthly Normals) for stations worldwide, version qcV001, 2014.

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

Deutscher Wetterdienst
CDC - Vertrieb Klima und Umwelt
Frankfurter Straße 135
63067 Offenbach
Tel.: + 49 (0) 69 8062-4400
Fax.: + 49 (0) 69 8062-4499
Mail: klima.vertrieb@dwd.de

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 maximum temperature is given for each calendar month of the year. Each row is for a different station. <table><thead><tr><th>Station</th><th>WMO station-ID</th></tr></thead><tbody><tr><td>Jan</td><td>mean max temperature in °C January</td></tr><tr><td>Feb</td><td>mean max temperature in °C February</td></tr><tr><td>Mrz</td><td>mean max temperature in °C March</td></tr><tr><td>Apr</td><td>mean max temperature in °C April</td></tr><tr><td>Mai</td><td>mean max temperature in °C May</td></tr><tr><td>Jun</td><td>mean max temperature in °C June</td></tr><tr><td>Jul</td><td>mean max temperature in °C July</td></tr></tbody></table>	Station	WMO station-ID	Jan	mean max temperature in °C January	Feb	mean max temperature in °C February	Mrz	mean max temperature in °C March	Apr	mean max temperature in °C April	Mai	mean max temperature in °C May	Jun	mean max temperature in °C June	Jul	mean max temperature in °C July
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Jul	mean max temperature in °C July																

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

Uncertainties Known factors of uncertainty: (1) differences in used instrumentation, (2) Changes in station location, (3) 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.