

## DATA SET DESCRIPTION

### *Climatological monthly means of sunshine duration covering the period 1961-1990 (Monthly Normals) for stations worldwide*

#### Version qcV001

**Cite data set as:** DWD Climate Data Center: Climatological monthly means of sunshine duration covering the 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

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](mailto: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](https://opendata.dwd.de/climate_environment/CDC/help/stations_list_CLIMAT_data.txt)

**Parameters** The multi-annual mean of monthly total sunshine duration is given for each calendar month of the year. Each row is for a different station.

Station	WMO station-ID
Jan	mean sunshine duration in h January
Feb	mean sunshine duration in h February
Mrz	mean sunshine duration in h March
Apr	mean sunshine duration in h April
Mai	mean sunshine duration in h May
Jun	mean sunshine duration in h June
Jul	mean sunshine duration in h July

Aug	mean sunshine duration in h August
Sep	mean sunshine duration in h September
Okt	mean sunshine duration in h Ohtober
Nov	mean sunshine duration in h November
Dez	mean sunshine duration in h 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 Organziation 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

## COPYRIGHT

The instructions in [ftp://ftp-cdc.dwd.de/pub/CDC/Terms\\_of\\_use.pdf](ftp://ftp-cdc.dwd.de/pub/CDC/Terms_of_use.pdf) should be followed. The DWD website provides comprehensive copyright information.

## 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.