

Package ‘clidamonger’

July 10, 2025

Title Monthly Climate Data for Germany, Usable for Heating and Cooling Calculations

Description
This data package contains monthly climate data in Germany, it can be used for heating and cooling calculations (external temperature, heating / cooling days, solar radiation).

Version 1.4.0

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Encoding UTF-8

Depends R (>= 3.5.0)

BugReports <https://github.com/IWUGERMANY/clidamonger/issues>

URL <https://github.com/IWUGERMANY/clidamonger>

RoxygenNote 7.3.2

LazyData true

LazyDataCompression xz

NeedsCompilation no

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Repository CRAN

Date/Publication 2025-07-10 13:40:02 UTC

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`data.sol`*Data.Sol*

Description

Average shortwave radiation on horizontal surfaces in W/m², listed by geographical coordinates for Germany = latitude and longitude distances 0.02°.

Usage`data.sol`**Format**

An object of class `data.frame` with 3153 rows and 472 columns.

`data.ta.hd`*Data.TA.HD*

Description

Per DWD climate station: average external air temperature in °C; for specific base temperatures: heating and cooling days, external air temperature during heating and during cooling days.

Usage`data.ta.hd`**Format**

An object of class `data.frame` with 11805 rows and 472 columns.

`list.station.ta`*List.Station.TA*

Description

Provides the geographical coordinates for all DWD stations.

Usage`list.station.ta`**Format**

An object of class `data.frame` with 842 rows and 10 columns.

tab.estim.sol.orient	<i>Tab.Estim.Sol.Orient</i>
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Description

Includes parameters for estimating the solar radiation for vertical and inclined surfaces on the basis of horizontal radiation data.

Usage

tab.estim.sol.orient

Format

An object of class `data.frame` with 33 rows and 13 columns.

tab.stationmapping	<i>Tab.StationMapping</i>
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Description

Assigns to all German postal codes the geographical coordinates and the three closest DWD weather stations.

Usage

tab.stationmapping

Format

An object of class `data.frame` with 16336 rows and 17 columns.

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