

DATA SET DESCRIPTION

Content of data set: non-homogenized, quality controlled 10 minutes maximal precipitation amount data series for 5 stations between 1967-1997

Name of data set files:

r_max_10min_meta_<name of the station>.pdf:

<name of the station>: name of the settlement of the meteorological station

r_max_10min_< name of the station >_period.csv

<period>: year of the start and end of the data series

DATA SET CHARACTERISTICS

The data series were created by digitizing the data measured with ombometers. The 10-minute maximum amount of precipitation within each precipitation event was recorded from the registering papers.

Spatial coverage: Békéscsaba, Győr, Kékestető, Nyíregyháza, Pécs

Temporal coverage: 1967 – 1997

Temporal resolution: 10-minute maximum amount of precipitation per event

Data formats:

r_max_10min_< name of the station >.pdf :

It contains metadata of data series in text form

<parameter>_o_< name of the station >_period.csv:

1. row: header

from 2. row: data

1. column: start of the precipitation event (year_month_day_hour_minute)

2. column: end of the precipitation event (year_month_day_hour_minute)

3. column: data

Unit of measure: mm

Data quality information:

The raw data sets are taken from the official database of the Hungarian Meteorological Service. They have undergone primary data quality control but are not free from inhomogeneities due to changes in measurement conditions (station relocation, instrument change, measurement time change, etc.).

CONSIDERATIONS/SUGGESTIONS FOR APPLICATIONS

The data series contain primary quality controlled data measurements in the station network of the Hungarian Meteorological Service. They are suitable for the examination of a shorter period and contain the extremes measured at the given stations. However, it is not recommended to study long-term climate change because inhomogeneities resulting from changes in measurement conditions may be comparable to the sign of climate change.

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