DWD
Deutscher Wetterdienst
Wetter und Klima aus einer Hand

DATA SET DESCRIPTION

Historical radiosonde measurements in Germany (project MOSQUITO /MiKlip)

Version v001

Cite data set as: Pattantyus-Abraham, M.: Historical radiosonde measurements in Germany (project MOSQUITO /MiKlip). version v001, 2014, DWD Climate Data Center (CDC), DOI:10.5676/DWD_CDC/PAST-RS-R.

INTENT OF THE DATASET

This describes the freely available data of the DWD Climate Data Center which are the raw data set used for input in the homogenization project MOSQUITO/MiKlip, in order to generate a dataset for decadal climate model validation.

POINT OF CONTACT

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DATA DESCRIPTION

Spatial coverage   Germany

Temporal coverage   01.01.1950 - 31.10.2014

Spatial resolution   The dataset consists of 12 stations: Schleswig, Greifswald, Emden, Hannover, Lindenberg, Essen, Dresden, Meiningen, Idar/Oberstein, Stuttgart, Munich and Hohenpeissenberg, details see readme_not_adjusted.txt.

Temporal resolution   monthly

Format(s)   ASCII, see readme_not_adjusted.txt

Parameters   air temperature [K]

DATA ORIGIN

Origin of the data is the MIRAKEL database of the Deutscher Wetterdienst

VALIDATION AND UNCERTAINTY ESTIMATE

See Pattantyus-Abraham and Steinbrecht, 2015.

CONSIDERATIONS FOR APPLICATIONS

See Pattantyus-Abraham and Steinbrecht, 2015.

REFERENCES

Pattantyus-Abraham, M. and W. Steinbrecht: Temperature trends over Germany from homogenized radiosonde data. Journal of Climate, 2015 (DOI: 10.1175/JCLI-D-14-00814.1).

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REVISION HISTORY

The data are output of a project and not subject to change. This document is maintained by the Meteorological Observatory Hohenpeissenberg (MOHP) of DWD, last edited 19.12.2018.