



Comparison of daily data homogenization methods

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Studies on extreme climate indices are highly influenced by the quality of long-range climate data. A dataset based on quality checked and homogenized daily data is crucial. At the Zentralanstalt für Meteorologie und Geodynamik (ZAMG) climate time series are homogenized on a monthly basis so far (HISTALP; Auer et al., 2007). A long range aim is to expand this dataset to daily resolution as well. For this purpose and in cooperation with the COST Action HOME (Advances in HOMogenisation MMethods of climate series: an integrated approach) different methods for the homogenization of daily data (e.g. Vincent et al., 2002; Della-Marta and Wanner, 2006) are compared and the most appropriate will be applied to various Austrian climate time series. Here we show first results of this comparison. As test of the performance, the methods are applied to station time series with already well known inhomogeneities and additional knowledge due to parallel measurements.