



Homogenization of Monthly Temperature Series in the Area of the Azores - Winter Anomalies during the 20th Century

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Homogenization of monthly temperature series has been carried out for the area of the Archipelago of Azores for the period 1902-1932 and 1970-1994. Meteorological observations in this Archipelago consolidated during the first half of the nineteenth century, when the Meteorological Service of Azores was created. Knowledge of many aspects of climate research, such as climate trends and variability is possible by obtaining long climatic series, but often the records can be altered by non-climatic conditions (noise). Because of the presence of noise in series, statistical homogeneity tests render results with some degree of uncertainty. This presentation emphasizes the importance of the accuracy and homogeneity of climate chronological series, and on the other hand, the importance of a reference time series. This series were processed by AnClim software (<http://www.climahom.eu>). With this reference series it was created the anomalies of the average temperature of winter, and they had been compared with the anomalies used for the NOAA.

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