

Trends in daily air temperature and precipitation series since 1848 in the area of Moravia, Czech Republic

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The long series of daily data, based on observation hours measurements, for air temperature and precipitation, were investigated in the area of Moravia (Czech Republic) in the period 1848-2005 (air temperature) and 1851-2005 (precipitation). Besides daily values itself, monthly averages as well as monthly and annual number of days above given threshold (0°C, 5°C, 10°C, 15°C for temperature, 0.1, 1.0, 5.0, 10.0 mm for precipitation) were investigated. Comparison of individual periods (change with time) using trend analysis and spectral analysis as well as changes in space have been evaluated. For homogenization and data processing, AnClim and ProClimDB software developed by Petr Stepanek has been used (<http://www.klimahom.com/software>).