

Long-term and continuous air temperature measurements at Prague-Klementinum (regular time observations are carried out since 1775, maximum and minimum air temperatures have been measured since 1881) are suitable for the analysis of possible climate changes. While researching the temperature extremes at this station, the increased occurrence of records of daily maximum air temperatures was documented in the second half of the 20th century, especially in the last 20 years, which is not connected to forcing Prague's urban heat island. There is a very rare occurrence of records of daily minimum air temperatures in the last 50 years, which is probably connected to forcing Prague's urban heat island, but also to the warming in the last decades. The change in the circulation is probably only a partial reason for high frequency of records of daily maximum air temperatures. There is warming about 1 °C by maximum air temperatures between periods 1961-83 a 1984-2006 in every season, except autumn. There is average warming about 0,5 °C by minimum air temperatures between periods 1961-83 a 1984-2006.