



Climatic fluctuation in the Czech Republic in the period 1961-2005

K. Chromá (1), R. Brázdil (1), P. Dobrovolný (1) and R. Tolasz (2)

(1) Institute of Geography, Masaryk University, Brno, Czech Republic, (2) Czech Hydrometeorological Institute, Prague, Czech Republic (kchroma@sci.muni.cz / Fax: +420 549491490 / Phone: +420 549491490)

Based on data of 23 meteorological stations of the Czech Hydrometeorological Institute, the climatic fluctuation in the period 1961–2005 on the territory of the Czech Republic is presented. Series of monthly averages of air temperature, maximum and minimum temperature, daily temperature range, air pressure, wind speed and relative humidity and monthly sums of precipitation, sunshine duration and numbers of days with snow cover were studied. Trend analysis for each meteorological station was performed and linear trends of all parameters (trend/10 years) and their statistical significance for months, seasons and year were calculated. Besides these calculations, average yearly time series of all parameters were obtained for the Czech Republic as a whole. These average time series were used to study character of climatic fluctuation in the Czech Republic in more detail.