



## **The extreme daily summer temperatures at Belgrade**

**M. Unkasevic** and I. Totic

Institute of Meteorology, University of Belgrade (itotic@afrodita.rcub.bg.ac.yu)

The generalized extreme value (GEV) distribution and generalized Pareto distribution (GPD) were fitted to the annual and daily maximum summer temperatures, in Belgrade, respectively. In both cases negative values of the shape parameter were obtained. On applying a GPD fit to the daily maximum summer temperatures, estimates for the return levels for the 100-year and 10-year return periods were almost the same as in the case of the GEV fit to the annual maximum summer temperatures (41.2C and 39.3C).