

Geophysical Research Abstracts,
Vol. 10, EGU2008-A-03842, 2008
SRef-ID: 1607-7962/gra/EGU2008-A-03842
EGU General Assembly 2008
© Author(s) 2008



Temperature and precipitation characteristics of ALADIN model versus climate conditions of the Czech Republic

J. Kalvova, A. Farda, J. Miksovsky, P. Pisoft, A. Raidl

Dept. of Meteorology and Environment Protection, Faculty of Mathematics and Physics,
Charles University, Prague, Czech Republic (jaroslava.kalvova@mff.cuni.cz)

The basic climate characteristics simulated by the regional model ALADIN-Climate are compared to the data, observed for the period 1961-1990. The employed model integration in the horizontal resolution of 25 km was driven by the global climate model ARPEGE of Meteo-France. Seasonal averages of temperature and precipitation are examined, along with their annual cycles and patterns of their geographical distribution in the area of the Czech Republic. Attention is also paid to the second-order statistics of the series (e.g., variances). In addition to measurements from weather stations, the characteristics simulated by the ALADIN model are also compared to the CRU climatology and to outputs of other selected regional models.