



Ozone concentration in the lower troposphere in Europe and in the east Asia

Peter Krizan (1) and Wang Gengchen (2)

(1) Institute of Atmospheric Physics, Prague, Czech Republic (krizan@ufa.cas.cz, +420 2 72763745), (2) Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China, wgc@mail.iap.ac.cn

This poster deals with the ozone concentration in the lower troposphere up to 5 km. We use ozonosonde data from the European ozonosonde stations, station Beijing and the station Sapporo. We search for differences between the ozone concentration at the station Beijing and the other ozonosonde stations. Results show that station Beijing has the highest ozone concentration among the all stations up to 5 km, differences in the ozone concentration between station Beijing and the other stations are the largest near the surface in summer and the smallest at the surface in winter, such behaviour of the ozone concentration may be caused by air pollution in Beijing area.