



Vertical dependence of yearly course of ozone concentration at the European and Asian ozonsonde stations.

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This poster deals with the vertical dependence of yearly course of ozone concentration at the European and Asian ozonsonde stations. We use data of vertical profile of ozone concentration from the European stations, station Beijing and the station Sapporo. We search for differences between the European and Asian stations. There are 3 types of yearly course of ozone concentration in the ozone vertical profile: troposphere with maximum in summer and minimum in winter, stratosphere up to approximately 25 km, where maximum in ozone concentration is observed in spring and minimum in autumn and middle stratosphere above 25 km where maximum is occurred in summer and minimum in winter. These phenomena are found both in Europe and in Asia. The spring maximum of ozone concentration is not present only in the lower stratosphere but also in the upper troposphere due to stratosphere-troposphere exchange.