

Trend of ozone at the layers in the stratosphere and troposphere

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This paper deals with the trend of ozone in selected layers in the stratosphere and troposphere. There is a difference among the trend of ozone in the stratosphere and troposphere at the European middle latitude stations. In the stratosphere and troposphere we observe a change in a trend of total ozone in the mid-1990s. In the stratosphere before this point we observe negative trend of total ozone, after this point the positive one occurs. On the other hand in the troposphere we observe positive trend before the mid-1990s, after this point this trend changes to negative or levels off. This was found at the ozonesonde stations in European middle latitudes. Here we extend this trend investigation to the other ozonesonde stations over the globe with sufficient long period of observations. Trend of ozone at the layers in the stratosphere and troposphere from non-European sites will be reported.