

**Climatic changes of precipitable water in atmospheric layer
surface-500 hPa on the base of global upper-air observations
for the period 1964-2001 years.**

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Analysis of climatic changes of observed values of water vapour contained in a vertical column between surface and level 500 hPa (and level 5 km) over globe is presented. Researches were made for period of 1964-2001 years on the base of CARDS-dataset. Geographical distribution of the decadal changes, mean values and variability are shown.