

Infrared observations with Fourier transform spectrometer at Tsukuba

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The vertical column densities of ozone and some related species were observed at Tsukuba with a High-resolution Fourier transform spectrometer during the Third European Stratospheric Experiment on Ozone in 1998/99. The observed O₃, HCl, HF, and HNO₃ column amounts show no significant variations during December 1998. The vertical profiles of some species can be derived from the spectra. The observed CO volume mixing ratios near the surface were more than 200 ppbv, indicating that the airmass was affected anthropogenic sources.