

Temporal variation of some trace species observed at Tsukuba with FT-IR

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The vertical column densities of some trace species were observed at Tsukuba with a High-resolution Fourier transform spectrometer since December, 1998. The larger column amounts of O₃, HCl, HF, and HNO₃ were observed when the airmass from polar vortex came over Japan during 1999 and 2000. But the correlations between these species showed no significant variations, indicating there were no or weak chemical ozone loss in those cases. Main part of the polar vortex has come over Japan in mid-February, 2001. The variations of those columns observed in this period will be reported at the meeting.