

Observation of ozone in Sendai with a tunable diode laser heterodyne spectrometer in the winter of 1998/99

Hiroshi Miyauchi [1], Isao Murata [2], Hiroshi Fukunishi [3], Hideaki Nakane [4]

[1] Geophysics, Tohoku Univ, [2] Astronomy and Geophysics, Tohoku Univ., [3] Department of Geophysics, Tohoku Univ., [4] Atmospheric Environment Div., NIES

<http://pat.geophys.tohoku.ac.jp/indexj.html>

We have observed total ozone and altitude distribution with a tunable diode laser heterodyne spectrometer at Sendai (38.25N, 140.83E), Japan during the Third European Stratospheric Experiment on Ozone (THESEO). The relation between the ozone variation and the transport of the airmass from the Arctic polar region will be investigated.