



Comparisons of nitric acid and PSC distributions in the Arctic winters 2002/2003 and 2003/2004 using MIPAS on ENVISAT

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The Michelson Interferometer for Passive Atmospheric Sounding (MIPAS) was launched on ENVISAT in 2002, and provides information on the distributions of a number of trace gases, temperature, pressure and clouds (non-operationally). As such it provides an excellent platform for studies of ozone loss and denitrification in the Arctic winters. One key feature of MIPAS is the ability to distinguish between PSC types and to provide correlative trace gas measurements in the presence of optically thin PSCs. In this poster we compare the observations of nitric acid and PSCs from MIPAS for two northern hemisphere winters (2002/2003 and 2003/2004).