



## **New ESA MIPAS products**

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MIPAS measurements on ENVISAT represent a unique database for the study of atmospheric composition and of the time variation of atmospheric constituents.

For trend studies it is important that instrumental drifts are reduced. Some of the MIPAS spectral bands are affected by time-dependent non-linearity which have been recently corrected.

In addition to this non-linearity correction, the forthcoming new version of MIPAS products (Version 7) contains several other improvements: a new approach for handling continuum capable of making the retrieval more stable, a new selection of spectral intervals selected for the analysis of the full resolution measurements aimed to reduce the bias between full resolution and optimized resolution measurements, the regularization of the H<sub>2</sub>O profiles, the products of five new species (HCFC-22, CFC-14, HCN, COF<sub>2</sub>, CCl<sub>4</sub>), which makes equal to 15 the total number of retrieved species.

The latest improvements implemented in the ESA processor and some of the results on trend will be presented and discussed.