

Trace gases in the stratosphere

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Optimistic picture



“Optimism is to find opportunities in the problems”

- GOMOS high resolution temperature retrieval
- MIPAS improved vertical and horizontal resolutions

Are results meeting the objectives?

- Discoveries
- Observation of processes
- NRT monitoring

=> To resume ECMWF assimilation of MIPAS NRT data.

Recommendations 1/4

- Spectroscopy
- Pointing
- Radiometric calibration

=> To continue the improvement of
observation characterisation

Recommendations 2/4

ESA has the merit of ensuring for a long time the traceable quality of the measurements.

=> ESA endorsement should preserve this objective

=> Extension of the number of the ESA endorsed species

Recommendations 3/4

ESA was late with data distribution.

=> More efficient and friendly access to the
data

Recommendations 4/4

The level of data exploitation is not up to the level of improvement that Envisat instruments provided in atmospheric observations.

=> Financial support to data exploitation is needed from National Agencies and Europe