

Interactive comment on “A 2003 stratospheric aerosol extinction and PSC climatology from GOMOS measurements on Envisat” by F. Vanhellemont et al.

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General Comments

This paper presents an analysis of aerosol extinction profiles retrieved from the Envisat GOMOS instrument for the year 2003. A rather simple $1/\text{wavelength}$ parameterization is used to model the aerosol extinction spectrum, which is relevant to the background stratospheric aerosol layer, but not to the larger particles found in polar stratospheric clouds.

Since the data are from a specific single year the analysis cannot really be accepted as

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constituting a climatology. That would require data collected over a number of years. However, there is no doubt that what is presented does illustrate the use of the GO-MOS data in constructing a zonal mean dataset for modelling studies and ultimately in providing a climatology once several years are added to the currently analyzed data record.

Specific Comments

P.864 l.20 replace "dates already from" with "occured in"

p.865 l. 7-15 see the general comments

p.865 l.23 replace "behind" with "below"

p.866 l.27 replace "gasses" with "gases" (and similar typo throughout the documment)

p.847 Fig.3 replace "where not available" with "were not available"

Interactive comment on Atmos. Chem. Phys. Discuss., 5, 863, 2005.

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