

Interactive comment on “Interannual variability of the stratospheric wave driving during northern winter” by A. J. Haklander et al.

A. J. Haklander et al.

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Thank you very much for your comments. We agree that starting the analysis before the introduction of satellite data in the assimilation process is difficult to justify, especially in the stratosphere. Therefore, we will confine our analysis to the 1979-2002 period, as you suggest.

(1) v^* and T^* denote the deviations from the zonal mean (this was mentioned in the introduction on p. 67, lines 14-15). However, for the sake of clarity, we will mention this in section 2.3 as well.

(2) We agree that a detailed analysis of pressure levels that are for a significant part located beneath the earth's surface is inappropriate. We will omit any details for the levels below 850 hPa in the text.

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(3) Since we will repeat our analysis for the 1979-2002 period, we will have to use different composites for Fig. 6. If the remaining signal still seems worthwhile to publish in the revised paper, we will follow your suggestion to plot the individual composites of the zonal-mean zonal wind, and to indicate which years are included in the composites.

(4) We appreciate that a plot with only the difference between the refractive index composites is difficult to interpret. With the reservation mentioned above, we plan to include the individual composites as suggested.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 65, 2007.

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