

Interactive comment on “Properties of the average distribution of equatorial Kelvin waves investigated by ray tracing techniques” by M. Ern et al.

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The authors would like to thank both Anonymous Referees for their very helpful comments!

In the following a list of the main changes that will be made in the revised manuscript is given:

- an altitude-time cross section of original ECMWF Kelvin wave zonal wind variances will be added and discussed

- some more discussion will be added in Sect. 2 (about longitudinal variations in the sources and propagation conditions, etc.)
- spectra for a single time window will be added to investigate the effect of the delayed wave dissipation in the GROGRAT simulations
- it will be clearly stated that the minimum altitude where Kelvin waves dominate the spectrum is dependent on the parameter considered
- it will be checked whether parts of Figs. 10–15 should be removed

Also the other comments will be treated in detail. A detailed point by point response will be given together with the revised manuscript.

Best regards,
Manfred Ern

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 13039, 2009.

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