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Comment

## ***Interactive comment on “Correlation between equatorial Kelvin waves and the occurrence of extremely thin ice clouds at the tropical tropopause” by F. Immler et al.***

### **Anonymous Referee #1**

Received and published: 26 March 2008

Review of the paper [Correlation between equatorial Kelvin waves and the occurrence of extremely thin ice clouds at the tropical tropopause](#); by F. Immler et al.

This paper discusses observations of thin cirrus in relation to the cold temperature perturbations associated with Kelvin waves. This topic is interesting because it is important to better understand the formation mechanisms of thin cirrus. I found the discussion of the generation of a multiple tropopause region, and its association with the Kelvin waves, to be of particular interest. The paper should be published after minor changes.

Very minor suggestions Page 2850, line 1. Change [in the recent years](#);

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to &#8220;in recent years&#8221; Page 2852, line 16. Change &#8220;Informations on the&#8221; to &#8220;Information on the&#8221; Page 2855, line 21. Replace &#8220;90%&#8221; by &#8220;50%&#8221; Page 2855, lines 23-29. The figure caption is inadvertently inserted into the text. Please revise.

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Interactive comment on Atmos. Chem. Phys. Discuss., 8, 2849, 2008.

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