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Interactive comment on “A daytime climatological distribution of high opaque ice cloud classes over the Indian summer monsoon region observed from 25-year AVHRR data” by A. Devasthale and H. Grassl

A. Devasthale and H. Grassl

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We would like to thank the reviewer for her/his useful comments and suggestions.

- We agree that this climatological dataset is currently limited to only daytime. As a matter of fact, we are presently working on extending this climatology to nighttime and also to other months so that the features of winter monsoon (or northeast monsoon) can also be studied. We are also putting efforts in making datasets consistent so that there are no large day-night differences. However, as the reviewer has appropriately pointed out, having only daytime data in itself is no reason not to use the data. As we have shown in the manuscript, it still can give interesting insights into convection

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observed during monsoon.

- In order to be more explicit in mentioning that that our dataset alone cannot provide insights into the mechanisms of monsoon, we have slightly re-phrased and added following line in the last paragraph of section 3.1 of the revised manuscript.

"Although this dataset in itself is not enough to corroborate or refute any mechanism, it could be a useful tool in investigating some of the aspects in this context."

- The typographical errors in pages 26, 28, 29, 30, 31, 36, and 37 are corrected in the revised manuscript.

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 23, 2009.

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