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Atmospheric Chemistry and Physics Discussions

Interactive comment on "The Indian summer monsoon rainfall: interplay of coupled dynamics, radiation and cloud microphysics" *by* P. K. Patra et al.

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First of all we would like to thank the reviewer for appreciating our results, and also for his comments during the first phase of technical review. We agree fully with the reviewer that the numerical modelling the Indian monsoon system by incorporating the radiation feedback, dynamical mechanisms and associated changes in cloud microphysics itself is not an easy task. The inclusion of aerosols of land origin with fairly unknown chemical composition makes the system even more complex. In addition, the radiative and microphysical properties of several aerosol components may still be unkown, as pointed out by the reviewer. Modelling in real world scenario is another issue.

On specific comments: 1. We will make the suggested changes on Page 2887 during the revision. 2. We are sorry for missing two key references - those will be added.

Regarding the supplemental figures, we feel that the manuscript is still readable without those being integrated within the main article. Thus we would look for recommendations from the Editor whether or not to incorporate Fig. S1 - S5 in to the article.

Interactive comment on Atmos. Chem. Phys. Discuss., 5, 2879, 2005.