

Interactive comment on “A mechanism for dust-induced destabilization of glacial climates” by B. F. Farrell and D. S. Abbot

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Dear Authors,

After reading the different comments posted about your paper, I can summarize them in telling that the comments found the purpose of the paper interesting and the methodology (modelling) adapted. However, they also underline some strong weaknesses in the paper. Amongst them I can mention the treatment of long wave and shortwave radiation, the importance of circulation, and the representation of the magnitude of the variations of the dust cycle (see the different comments for more). Although one of the referees suggests that these objections are not fatal to your proposal, I think that taking into account these major comments (and those that I did not repeat here) would require a full rewriting/reordering of the paper as well as probably some additional simulations.

C901

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Interactive Discussion

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Therefore, my recommendation is that you take the time to fully revise your paper and you submit a new – revised paper to climate of the past (discussion).

Best regards,

Interactive comment on Clim. Past Discuss., 8, 1721, 2012.

CPD

8, C901–C902, 2012

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