

Interactive comment on “Sea-ice dynamics strongly promote Snowball Earth initiation and destabilize tropical sea-ice margins” by A. Voigt and D. S. Abbot

M.F. Loutre (Editor)

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I want to summarize here major points made by the reviewers. They agree that the paper is well written and well organised, that it is clear and that the figures are informative. The science described in the paper is important and useful.

However, the reviewers identified some weaknesses in the manuscript that therefore requires major revision. In particular, (1) they identify missing references to related paper (referee #1), (2) they suggest a more detailed comparison with existing work (Yang et al) (referee #3, specific point nr 2), and referee #3 gives additional recommendations for a major revision (specific points) of the manuscript (see nr 3 and 4).

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In addition, the referees give minor comments that can be useful to improve the quality of the paper. In particular, I fully support the comment of referee #1 that the titles of sections should be related to their purpose/goal rather than being a description of the simulation analysed within the section.

I urge the authors to address and reply to all comments (not only those pointed out here).

Interactive comment on Clim. Past Discuss., 8, 2445, 2012.