

***Interactive comment on “Greenland Ice Sheet contribution to sea-level rise from a new-generation ice-sheet model” by F. Gillet-Chaulet et al.***

**F. Gillet-Chaulet et al.**

gillet-chaulet@lgge.obs.ujf-grenoble.fr

Received and published: 26 October 2012

Dear Scientific Editor,

We would like to thank the three reviewers for their helpful comments on the paper. We are very grateful for their positive remarks on the capabilities of the ice-sheet model presented here. We have taken care to address their remarks to improve the quality of the manuscript. Especially as requested by referee #2, we have tried to put forward the new results of this paper, and as suggested by referee #3, it is now more apparent that our experiments are sensitivity experiments allowing to estimate bounds for the future ice-sheet mass loss. We hope that these changes will make the paper more attractive

C1977

for a wider community.

The detail of how we have addressed the reviewer remarks is given in the supplement, where you will find a reply to all the comments and an highlighted version to show how the paper has been modified. You will see that some large parts have been struck out to be rewritten as suggested by the referees to improve the discussion/conclusions. It often remains minor corrections but it was not possible to keep a detailed highlighted track of the changes.

Sincerely yours,

Fabien Gillet-Chaulet

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/6/C1977/2012/tcd-6-C1977-2012-supplement.pdf>

---

Interactive comment on The Cryosphere Discuss., 6, 2789, 2012.