

## ***Interactive comment on “Improved GRACE regional mass balance estimates of the Greenland Ice Sheet cross-validated with the input-output method” by Z. Xu et al.***

**Z. Xu et al.**

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Thanks for your time reading and commenting our manuscript. All your comments are valuable and helpful to us to improve the content.

Changes have been made as the response to your requirements.

We include several document in the attachment, i.e.:

- 1) a response letter, to answer your comments one by one.
- 2) a ".pdf" version of our TCD paper with changes marks on the side. (only the changes with respect to your comments are included)

C2491

3) a ".doc" version of an updated manuscript with including all the changes from all referees.

4) a separate '.doc' file of section 2.2. Since the derivation of IOM got the most complains, thus we rewrite this part.

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/9/C2491/2015/tcd-9-C2491-2015-supplement.zip>

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Interactive comment on The Cryosphere Discuss., 9, 4661, 2015.