

***Interactive comment on “Impact of open-ocean convection on particle fluxes and sediment dynamics in the deep margin of the Gulf of Lions” by M. Stabholz et al.***

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We are grateful to both Tommaso Tesi and Leo Langone for their constructive reviews of our manuscript. Both referees have provided very encouraging reviews of the manuscript with major and minor comments raised.

We have made all required revisions to the manuscript carefully considering each of the reviewer comments. We have revised the discussion part of the manuscript following the recommendation of both reviewers by adding a new paragraph introducing the discussion parts. We have also added comments on the impact of open ocean convection on POC flux within the section 5.3 of the discussion following the

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comments of Tommaso Tesi. Our detailed response to each reviewer is attached as a PDF file.

Please also note the supplement to this comment:

<http://www.biogeosciences-discuss.net/9/C6561/2012/bgd-9-C6561-2012-supplement.pdf>

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