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Comment

***Interactive comment on “The ocean response to volcanic iron fertilisation after the eruption of Kasatochi volcano: a regional scale biogeochemical ocean model study” by A. Lindenthal et al.***

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This I find an interesting article, and you give a good motivation for modelling this. However, the following comments may be useful to make the link between the volcanic eruptions and the simulations more explicit.

Could you add a figure of the satellite-observed phytoplankton blooms, such that it is at the beginning of the manuscript more or less clear what the effect of the eruptions is?

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From the captions in figs. 4, 5 and 6 it is not clear whether these are simulated/modelled concentrations or observations. Of course these are modelled concentrations since it describes two experiments, but please note this in the caption. Also I would like to see some visual comparison between model and observations. Would this be possible for Fig. 4?

In Fig. 8, could you add model results from the experiment without iron fertilisation?

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Interactive comment on Biogeosciences Discuss., 9, 9233, 2012.

**BGD**

9, C2959–C2960, 2012

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