

Interactive comment on “Processes controlling the Si-isotopic composition in the Southern Ocean and application for paleoceanography” by F. Fripiat et al.

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Dear Authors, I do not understand why but it is very difficult to obtain a second review of your paper. As it has been a long time from your initial submission I would like to add few comments of my own so we can proceed with the review process. I find that the paper contains new results that certainly worth publication in Biogeosciences. I would suggest to clarify these points: 1. what is mixed in line 24 page 10158? 2. please define the depth of the mixed layer 3. what is the degree of overlap with the Fripiat 2011a paper? I think that some information is missing in the current paper based on the assumption that the 2011a contains all important info. 4. section 4.1.1 - looks to

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me that 100 m is too shallow according to your Si data. please explain. 5. where are the data to determine 15 ± 11 μmol ? 6. how do you model a season when the data is only relevant to 1 month (at the end of the bloom).

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