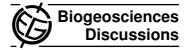
Biogeosciences Discuss., 8, C5858–C5859, 2012 www.biogeosciences-discuss.net/8/C5858/2012/ © Author(s) 2012. This work is distributed under the Creative Commons Attribute 3.0 License.



**BGD** 

8, C5858–C5859, 2012

Interactive Comment

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

## A. Shemesh (Editor)

aldo.shemesh@weizmann.ac.il

Received and published: 22 February 2012

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

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



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

Interactive comment on Biogeosciences Discuss., 8, 10155, 2011.

## **BGD**

8, C5858-C5859, 2012

Interactive Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

