

Interactive comment on “In situ measurement of the biogeochemical properties of Southern Ocean mesoscale eddies in the Southwest Indian Ocean, April 2014” by S. de Villiers et al

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1. As suggested by this and the other reviewers, estimates for measurement uncertainties for all parameters measured have been added, to the text under "Section 3: Seawater sampling and analysis" 2. As suggested by Reviewer #1 and #2, SSHA archives have been used to track the eddies (for 6 months prior to the study period, and for 6 months after the study period). The eddy tracks are presented as an additional figure to the manuscript, and the text have been amended accordingly where necessary, to reflect this additional information. 3. Reviewer #1 suggest several good alternative explanations, posed as questions, for some of the observations. It is difficult

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to refute or provide a definitive answer to these, with the data at hand. We have, therefore, decided to deal with these very valid queries by incorporating them as suggested alternative scenarios in the text, where appropriate. These all serve as meaningful guides for future follow-up in situ sampling strategies. 4. The "line by line comments" of an editorial nature are all addressed by corrections and additions to the text, including improvements to the figures.

The annotated and revised manuscript is attached as a supplement, to reflect changes made in response to the comments of reviewers #1 to #3

Please also note the supplement to this comment:

<http://www.earth-syst-sci-data-discuss.net/8/C370/2015/essdd-8-C370-2015-supplement.pdf>

Interactive comment on Earth Syst. Sci. Data Discuss., 8, 809, 2015.

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