

Interactive comment on “Stable accumulation patterns around Dome C, East Antarctica, over the last glacial cycle” by Marie G. P. Cavitte et al.

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We would like to first thank the Editor and both anonymous reviewers for their very helpful reviews on the paper. We hope that we have satisfactorily responded to all comments, which can be found here below. We apologize in advance for any repetition in our answers below: we wanted to respond to comments point-by-point.

We have grouped both responses to the reviews into one document.

Note that: (1) We have significantly shuffled the order of the paragraphs in the Discussion Section, for clarity. (2) We have changed some results and discussion points to reflect that we are only looking at the last 73 ka of paleoaccumulation data limited to 5 km of horizontal movement. Some of the observations had to be removed as they are

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simply not included in our dataset anymore. (3) We have therefore modified the title slightly to reflect this switch in the focus of the paper. (4) We now detail the 0-10 ka interval in Fig.6, and show the older layers in Supplement 4. (5) Brice Van Liefferinge has been added as a co-author for his help in calculating and setting the horizontal advection threshold, and significantly contributing to the manuscript. (6) Equations (2) and (3) have been modified for clarity.

We attach here our detailed response as a Supplement.

Please also note the supplement to this comment:

<https://www.the-cryosphere-discuss.net/tc-2017-71/tc-2017-71-AC1-supplement.pdf>

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2017-71>, 2017.

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