

Interactive comment on “The sea level fingerprint of 21st century ice mass fluxes” by J. Bamber and R. Riva

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Received and published: 15 September 2010

We would like to thank Prof Oerlemans for his comments, which we broadly agree with. We acknowledge that the title is ambiguous and potentially misleading. We were looking for something succinct but a more unambiguous title would be “The sea level fingerprint of recent ice mass fluxes” and we will change this accordingly. We also accept that the sentence in the abstract referred to is somewhat confusing and will change this accordingly. The point we were trying to make here is that for broadly equivalent relative distributions of mass loss the pattern of RSL is fixed. Figure 2, which shows the signature of the individual sources, is meant to make it clear how each ice mass affects RSL globally. We hoped, therefore, that it would be self-evident that if Greenland or Antarctica goes increases/decreases what the regional impact of

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this will be. Nonetheless, we see that the way it is written is open to misinterpretation. As Oerlemans points out, this could lead to confusion to a non-expert audience and we certainly wish to avoid this.

Interactive comment on The Cryosphere Discuss., 4, 1593, 2010.

TCD

4, C804–C805, 2010

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