

## ***Interactive comment on “Experimental design for three interrelated Marine Ice-Sheet and Ocean Model Intercomparison Projects” by X. S. Asay-Davis et al.***

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Received and published: 5 January 2016

I would just like to add a few minor comments that could improve the clarity of the manuscript:

- Equation (20) : mention that  $T$  is potential temperature.
- It would be convenient to use the same value and notation for  $\rho_{\text{ref}}$  (Eq. 20) and  $\rho_{\text{SW}}$  (Eq. 21,23). Values are very close (1027.51 and 1028 kg.m<sup>-3</sup> respectively).
- Equation (26) and (29) :  $T_f$  should probably be  $T_b$  as in equation (21).
- About the artificial evaporative flux used to remove freshwater in models using volume  
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fluxes : (i) this can be done on every time step, why using a 30-day characteristic time? (ii) it should be mentioned that this is evaporation with no associated latent heat (otherwise this will cool the surface).

- About  $u_{\text{tidal}}$  (RMS velocity associated with tides): is it also used in the formulation of the bottom ocean drag?

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Interactive comment on Geosci. Model Dev. Discuss., 8, 9859, 2015.