

Interactive comment on “Oceanic tracer and proxy time scales revisited” by C. Siberlin and C. Wunsch

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First, our thanks for a careful reading. The reviewer requests some minor changes. Although minor, I (CW) will record our response.

(1) The two Gebbie/Huybers papers exist, but are not yet published. Short of waiting until they are accepted, it seems best to note that (A) they exist, and (B) can be found on Huybers’s website (now listed in the references).

(2) It’s true we don’t say much about the Robin/Robbins boundary condition problem. But under that boundary condition, the problem remains a linear one and so the basic time scale discussion remains relevant if a bit more complex and it raises the question (now mentioned explicitly) of how to parameterize the air-sea flux.

(3) The table caption has been modified to be more informative. The value quoted in the text is a rough average of those in the Atlantic and Pacific basins, listed separately in the table.

(4) That further paleo-uncertainties are introduced by incompletely known proxy boundary conditions is certainly true, and now explicitly stated.

Interactive comment on Clim. Past Discuss., 6, 1589, 2010.

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Interactive Discussion

Discussion Paper

