

Interactive comment on “Simulating oceanic radiocarbon with the FAMOUS GCM: implications for its use as a proxy for ventilation and carbon uptake” by Jennifer E. Dentith et al.

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Please find our response in the attached PDF.

Please also note the supplement to this comment:

<https://www.biogeosciences-discuss.net/bg-2019-365/bg-2019-365-AC1-supplement.pdf>

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-365>, 2019.

C1

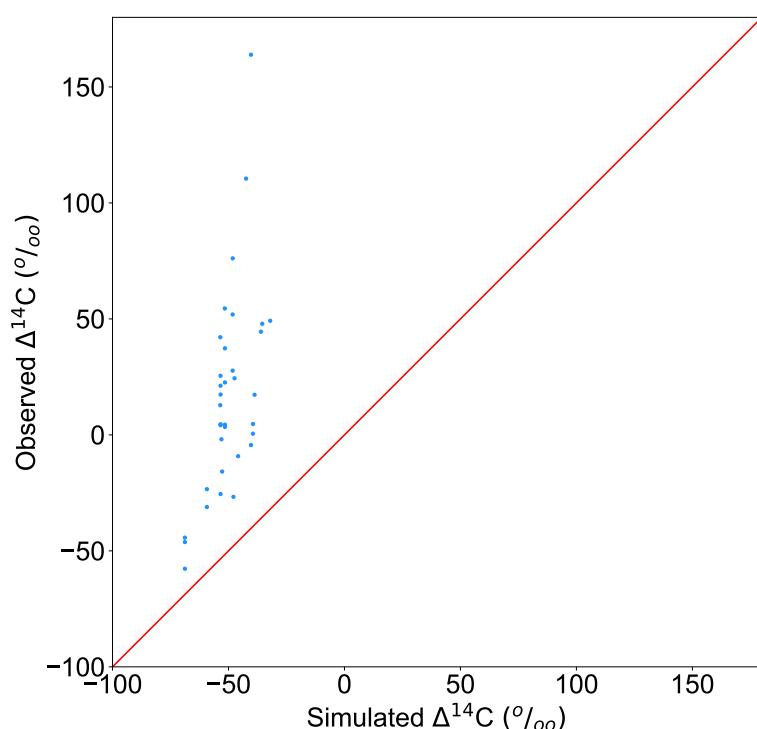


Fig. 1. Simulated versus observed $\Delta^{14}\text{C}$ values from the Arctic Ocean during the 1990s.

C2

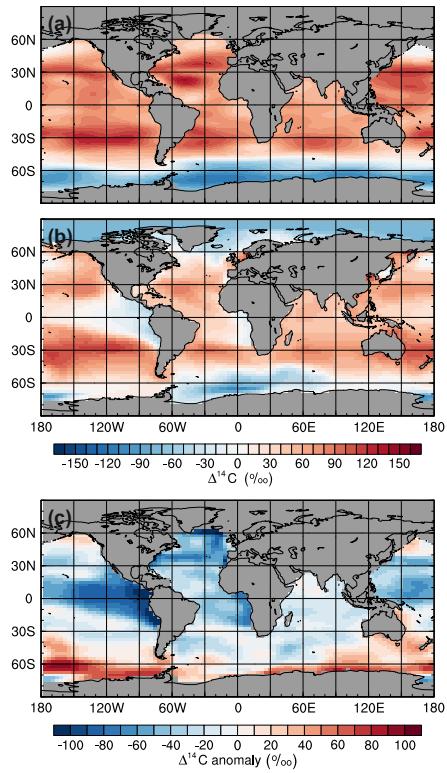


Fig. 2. Proposed revision to Fig. 4 with (c) simulated minus observed $\Delta^{14}\text{C}$ values.

C3

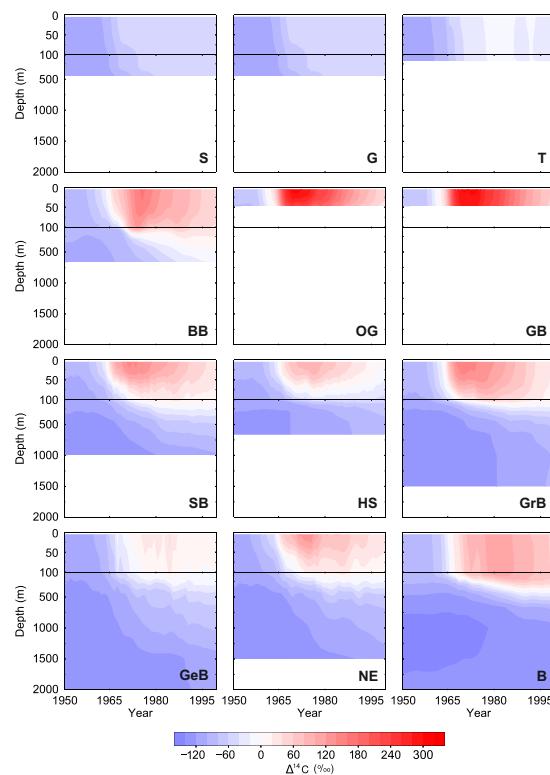


Fig. 3. Proposed revision to Fig. 11: Hovmöller diagrams of simulated $\Delta^{14}\text{C}$ at the coral and bivalve locations (outlined in Figure 9)

C4