

***Interactive comment on “Twentieth century
 $\delta^{13}\text{C}$ variability in surface water
dissolved inorganic carbon recorded by coralline
algae in the northern North Pacific Ocean and the
Bering Sea” by B. Williams et al.***

Anonymous Referee #1

Received and published: 10 August 2010

This manuscript was well written and presented- it should be published subject to a few minor corrections outlined below.

Line 24 (5804): The discussion of marine mammals did not flow (I thought there would be sessile organisms eg bivalves) with data available- so it was not clear at first why they talked about marine mammals. Perhaps the authors could discuss the data from the soft coral first and then say the only other data available is from marine mammals.

Line 15 (5807)is this one standard deviation?

C2247

The use of the word of secular- I was unclear of this since it refers to either something which occurs over an indefinitely long time or something occurring once in an age or century. I did not understand how this related to the manuscript.

Fig. 5 I do not think this Fig. is necessary.

Interactive comment on Biogeosciences Discuss., 7, 5801, 2010.

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