

Interactive comment on “On the Milankovitch sensitivity of the Quaternary deep-sea record” by W. H. Berger

Anonymous Referee #1

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In this manuscript, W. Berger provides an interesting discussion of the "Milankovitch sensitivity" in long deep-sea cores. Unfortunately, this discussion is sometimes difficult to follow since no precise definition of "Milankovitch sensitivity" (MS) is given in the manuscript, and some critical informations are also missing on the figure captions. I guess some additional details are available in W.H. Berger (2011), but unfortunately, I don't have access to this paper (in Ann. Reviews Marine Science). I think it is necessary to provide such a clear definition in the current manuscript. When looking at Fig.5, it seems that the author is using correlation (linear correlation ?) between oxygen isotopic data in marine cores, and summer insolation (which latitude ? Which season ?) as an indication of "Milankovitch sensitivity", but this is only a guess, and I would prefer that the author explains in a bit more details what is plotted on this figure and how is MS defined. Similarly on Fig. 6, it is not explained what DDOX stands for (derivative of C551

oxygen isotope ?), nor what kind of "index of variability" is used on Figure 7, top (the variance or standard deviation, in a window ?). To summarize, I would like a bit more details.

Interactive comment on Clim. Past Discuss., 9, 1237, 2013.