

Interactive comment on “Sea-surface salinity variations in the Northern Caribbean Sea across the mid-Pleistocene transition” by S. Sepulcre et al.

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The paper "Sea-surface salinity variations in the northern Caribbean Sea across the mid-Pleistocene transition" by Sepulcre et al. has now been seen by two reviewers.

Both reviewers agree that this is an interesting study that should be published in CP, but have some concerns regarding data quality, age model uncertainties and the related uncertainties in calculating Dd18O as well as differences to other records.

I would strongly advise the authors to carefully take these comments into account and address them point by point in a revised version of the manuscript and in the reply to the reviewers (in part this has been accomplished already in the authors' reply to

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review 1).

However, an uncertainty estimate of the results (especially that arising from age uncertainties when calculating Dd18O) is still missing and appears to be a key point to be included in the revised version of the manuscript.

I want to strongly encourage the author's to take on these major revisions and am looking forward to the revised version.

At this point I also want to thank the two final reviewers for their careful and constructive evaluation of the manuscript after an unusually long search for reviewers.

Interactive comment on Clim. Past Discuss., 6, 1229, 2010.