

Interactive comment on “¹⁴C-age tracers in global ocean circulation models” by W. Koeve et al.

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Dear all,

I would like to first warmly thank all the reviewers for the time taken in this first assessment of "¹⁴C-age tracers in global ocean circulation models"

Given the unusual situation of strongly diverging comments on the submitted manuscript, I would like to provide a short comment on the relevance of the manuscript to the scope of Geoscientific Model Development.

In my reading of the comments of the reviewers, the apparent divergence on the novelty of the study and the usefulness of the proposed preformed ¹⁴C-age depends on the perspective in which it is to be used. Reviewers acknowledge its interest in model intercomparison studies but not in the calibration to present-day oceanographic mea-

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surments (since this is not actually measured).

While it is the role of the authors to resolve / respond to the numerous suggestions received in a revised version and point-to-point answer to the reviewers, I would like to state in this short comment that I do think that the manuscript falls into the scope of GMD in the "Model Assessment Methods Paper" article type as chosen by the authors. Indeed, GMD website (http://www.geoscientific-model-development.net/submission/manuscript_types.html) clearly state that "work on developing new benchmarks for assessing model performance" is the subject of this manuscript type together with "discussions of novel methods for data analysis or visualisation with relevance to geoscientific modelling, or the application of existing techniques to this field". Whatever the outcome of the next steps of the review process, the manuscript submitted does fall into the scope so stated.

I therefore look forward to reading a complete response to the reviews received and to a revised manuscript version.

D.M. Roche

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