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Interactive

comment

Interactive comment on "Parallel computing efficiency of SWAN" *by* Christo Rautenbach et al.

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Thank you for your interest in our paper and for the discussion. Herewith inline responses to the questions, comments and corrections: SC1: Please provide the version number of SWAN in the title of your revised manuscript. As the websites cited in the articles code availability section are not persistent archives, please provide a persistent release for the exact source code version used for the publication in this paper. As explained in https://www.geoscientific-modeldevelopment.net/about/manuscript_types.html the preferred reference to this release is through the use of a DOI which then can be cited in the paper.

Author response: The version number has been added to the title. The current supported versions of SWAN are 41.20 and 41.31. From the following link we can see that the latest version of SWAN is fully compatible with version 40.91, used in the present

study (http://swanmodel.sourceforge.net/modifications/modifications.htm). The additions to the newer versions are just more choices in the parametrization models used to describe certain physical phenomena. Thus, executing the model with this latest version, together with the settings presented in this study, should produce identical results. To be sure readers of the paper can readily download all versions (Linux, Windows etc.) of this code, the current version of the software will be added to a university website associated with this paper. A link to this permanent cite will be added to the final version of the paper. We are currently in the process of establishing that online location.