

Interactive comment on “The impacts of physical processes on oxygen variations in the North Sea-Baltic Sea transition zone” by L. Jonasson et al.

E. Stanev (Editor)

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Dear Authors, Thank you for providing your answers to reviewers comments. Based on that and the response, which I received from reviewers my decision is: go ahead and submit corrected manuscript accompanied by point-by-point answers to reviewers comments. However, before the final go for publication one of the reviewers wants to see the revised version. He advises that you make sure the model initial conditions, spin up etc have been properly included since this omission cannot go unaddressed. He also recommends that you answer his point #5:

“The assumption that constant pools of organic matter are available is in contrast with

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known dynamics of temperate systems where carbon dynamics are highly seasonal. Moreover, it is well known that respiration is limited by substrate concentration rather than O₂”

is quite detailed, but important, and should somehow be worked into the revised manuscript.

Sincerely Emil Stanev

Interactive comment on Ocean Sci. Discuss., 8, 1723, 2011.