

Interactive comment on “Dealing with discontinuous meteorological forcing in operational ocean modelling” by Bjarne Büchmann

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REPLY TO REVIEWER #2

Unfortunately, there is no recent detailed report, from which I can draw results. However, I shall be happy to produce the required data for ramp0. It is not a problem, except that it takes a little time – in particular the pre-processing of meteo data simply takes some wall time.

I do not have a problem extracting results from one or two stations, more "central" for the FCOO area-of-interest. However, as NA3 is a simple storm-surge model, tidal data is simply not included. Presenting data from NA3 within the North Sea / Skagerrak area could be misleading, and I would rather not do that. This said, I shall be happy

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to produce the relevant data for either NS1C or DK600 – including tidal data. I realize, that this will mean mixing models/model forcing, but with a few lines of explanation, I believe that it should be OK. This should give some relevant order-of-magnitude, for differences between respectively noramp and ramp0 – compared to ramp9, which we use operationally for these models.

I will examine a few stations, but expect that data for the inner Danish waters should serve the purpose. I will wait a little longer for further comments from reviewer #1, and then I will prepare an updated version of the manuscript taking into account comments from both reviewers.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-35>, 2019.

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