

Interactive comment on “Quality assessment of the TOPAZ4 reanalysis in the Arctic over the period 1991–2013” by Jiping Xie et al.

Anonymous Referee #2

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The manuscript provides a detailed description of the results of the 23-year reanalysis of the Arctic computed with the TOPAZ4 model system.

The manuscript appears more like a report than a scientific paper tackling a scientific or methodological issue. The model system is described elsewhere and has undergone very little changes with respect to previously published information. The assessment of the quality of the products uses a rather elementary approach.

The results discussed in the manuscript can be useful as a support of further studies using the reanalysed fields but, as it stands, the manuscript is merely descriptive. Also, little information is given about the ensemble and this information is not used to assess the quality of the reanalysis : only the ensemble mean are used for this purpose.

The quality of the reanalysis obtained using TOPAZ4 could also be compared with the

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quality of similar other products.

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