Geoscientific
Model Development
Discussions

Interactive comment on "Evaluation of the interactive stratospheric ozone (O3v2 module) for the E3SM version 2 Earth System Model" *by* Qi Tang et al.

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Dear authors,

the GMD manuscript type "evaluation paper" is mainly for models, which descriptions have been already per-reviewed published elsewhere. But in your case, if I understand correctly, you did develop new code for this publication: namely O3v2. Therefore all code availability requirements of the model description paper type apply here: In particular your discussion paper does not meet the below cited requirement:

- Code must be published on a persistent public archive with a unique identifier for

the exact model version described in the paper or uploaded to the supplement, unless this is impossible for reasons beyond the control of authors. All papers must include a section, at the end of the paper, entitled "Code availability". Here, either instructions for obtaining the code, or the reasons why the code is not available should be clearly stated. It is preferred for the code to be uploaded as a supplement or to be made available at a data repository with an associated DOI (digital object identifier) for the exact model version described in the paper. Alternatively, for established models, there may be an existing means of accessing the code through a particular system. In this case, there must exist a means of permanently accessing the precise model version described in the paper. In some cases, authors may prefer to put models on their own website, or to act as a point of contact for obtaining the code. Given the impermanence of websites and email addresses, this is not encouraged, and authors should consider improving the availability with a more permanent arrangement. Making code available through personal websites or via email contact to the authors is not sufficient. After the paper is accepted the model archive should be updated to include a link to the GMD paper.

Please provide the exact code version including your new code developments in a permanent archive (i.e. with DOI or other persistent identifier). The newly developed code must be available to the referees during the discussion phase. For projects in GitHub a DOI for a released code version can easily be created using Zenodo, see https://guides.github.com/activities/citable-code/ for details.

Yours, Astrid Kerkweg