

Reply on Comments from Topical Editor  
Chengzhu Zhang (on behalf of all co-authors)

**Comments to the author:**

You need to add the version number back in to the title (and elsewhere as appropriate), make sure that all the results are made using that version of the code, and that the code availability identifies how to obtain that same version of the code. This is a fundamental GMD peer review requirement. Who knows what innovations may occur in later versions of the code - the manuscript cannot possibly guarantee to continue to be accurate.

I like the new appendix. Too few GMD authors include a user guide.

**Author feedback:** We thank our topical editor to review this manuscript again. We understand it is critical for the readers to be able to reproduce the results with the correct version of the code. To comply with this GMD peer review requirement, with the updated manuscript, we now added back the version number (v2.7) in the title; explicitly stated the diagnostics plots provided in the paper used the v2.7 code; and included the version number in code and data availability session when providing Zenodo release information.

We hope the user guide provided in the appendix can help readers to start to use this tool!