

Interactive comment on “Estimating Surface Carbon Fluxes Based on a Local Ensemble Transform Kalman Filter with a Short Assimilation Window and a Long Observation Window” by Yun Liu et al.

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Dear authors,

In my role as Executive editor of GMD, I would like to bring to your attention our Editorial version 1.1:

<http://www.geosci-model-dev.net/8/3487/2015/gmd-8-3487-2015.html>

This highlights some requirements of papers published in GMD, which is also available

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on the GMD website in the 'Manuscript Types' section:

http://www.geoscientific-model-development.net/submission/manuscript_types.html

In particular, the following requirement has not been met in the Discussions paper:

"If the model development relates to a single model then the model name and the version number must be included in the title of the paper. If the main intention of an article is to make a general (i.e. model independent) statement about the usefulness of a new development, but the usefulness is shown with the help of one specific model, the model name and version number must be stated in the title. The title could have a form such as, "Title outlining amazing generic advance: a case study with Model XXX (version Y)"."

As you present results using the GEOS-Chem model please add something like "... : a case study with GEOS-Chem 5.0" to the title.

Additionally, GMD is encouraging authors to provide a persistent access to the exact version of the source code used for the model version presented in the paper. As explained in https://www.geoscientific-model-development.net/about/manuscript_types.html the preferred reference to this release is through the use of a DOI which then can be cited in the paper. For projects in GitHub (such as the LETKF) a DOI for a released code version can easily be created using Zenodo, see <https://guides.github.com/activities/citable-code/> for details. For GEOS-Chem you may consider to upload the program code of the specific version of the paper as a supplement or make the code and data of the exact model version (v5.0?) described in the paper accessible through a DOI (digital object identifier). In case your institution does not provide the possibility to make electronic data accessible through a DOI you may consider other providers (eg. zenodo.org or CERN) to create a DOI. Please note that in the code accessibility section you can still point the reader

to the GitHub repository for the newest version even if you use a DOI for the relevant releases.

Yours,

Astrid Kerkweg (GMD Executive Editor)

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