Interactive comment on "Development and implementation of a new biomass burning emissions injection height scheme for the GEOSChem model" *by* Liye Zhu et al.

A. Kerkweg

kerkweg@uni-bonn.de

Received and published: 9 July 2018

Dear Authors,

firstly, I asked the editorial team to change the paper type of your manuscript, as you are clearly describing a new development this should be a "Development and technical" paper and not an "Evaluation paper". A "Developement and technical paper" of course has to include an basic evaluation of the new development, but an evaluation paper does not really contain larger new developments. As a consequence, please provide the version number of GEOSChem model and a name (Acronym and version number of the newly developed scheme) in the title of the article. The title could look like:

"Development and implementation of a new biomass burning emissions injection height scheme (BBEIH vx.y) for the GEOSChem model (version z.g)"

Secondly, the paragraph you named "Data Availability" should be named "Code and data availability". As explained in https://www.geoscientific-model-development.net/about/manuscript_types.html. GMD is encouraging authors to upload the program code of models (including relevant data sets) as supplement or make the code and data of the exact model version 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 of CERN) to create a DOI. Please note that in the code availability section you can still point the reader to how to obtain the newest version. If for some reason the code and/or data cannot be made available in this form (e.g. only via e-mail contact) the "Code Availability" section need to clearly state the reasons for why access is restricted (e.g. licensing reasons).
Especially, please note, that it is not enough, that the code will be available in the future. It must be available now and the exact version of the code published in this article needs to be made available.

Additionally, please note, that the exact code needs to be available to the Editor and the Referees for the review process.

Yours, Astrid Kerkweg