

Interactive comment on “Land–atmosphere interactions in the tropics” by Pierre Gentine et al.

Pierre Gentine et al.

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We thank the reviewer for his/her comments and positive assessment of the manuscript.

Comment: The authors need to be sure they are not jumping in at too technical a level or assuming too much foreknowledge of the readers. Also, the paper could use more homogenization in style and level of detail

Reply: in the revised text we will streamline the discussion and remove unnecessary details

Comment: in Sec 3.2 and later in Sec 5 the problem that LSMs have representing water stress and GPP should explicitly mention root access to groundwater / shallow water tables in tropical lowlands and plains - a process that is not present in most models

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with their very shallow soils. This is hinted at, but there should be explicit statement regarding the link between tropical phenology and hydrology. Reply: this is an important comment and indeed we will further emphasize both the varying water table especially near the floodplain but also access to shallow water tables citing recent references.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019-12>, 2019.

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