

## ***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.

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

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