

Interactive comment on “Kinetic mass-transfer calculation of water isotope fractionation due to cloud microphysics in a regional meteorological model” by I-Chun Tsai et al.

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The authors appreciate the reviewers' constructive and thoughtful comments which helped us improve this manuscript. We followed the suggestions as close as possible in our revision. The main changes in the revised manuscript included: (1) provide a complete review of current isotope models in section 1 in the revised manuscripts, and (2) modified the description of methodology, especially the isotope model in section 2.1. Please find the responses to the referees' comments in the attached PDF file. Detailed point-by-point responses to the reviewers' comments (in blue font) are given below in black fonts, respectively. Text revisions are given in red fonts. All the

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page/line/figure numbers in the responses refer to those in the revised manuscript.

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Please also note the supplement to this comment:

<https://www.atmos-chem-phys-discuss.net/acp-2018-596/acp-2018-596-AC2-supplement.pdf>

Interactive comment on *Atmos. Chem. Phys. Discuss.*, <https://doi.org/10.5194/acp-2018-596>, 2018.

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