

Geosci. Model Dev. Discuss., author comment AC2
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Reply on CEC2

Sol Kim et al.

Author comment on "Atmospheric river representation in the Energy Exascale Earth System Model (E3SM) version 1.0" by Sol Kim et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2021-364-AC2>, 2022

Dear Juan A. Añel,

Thank you for guiding us through this process. We have added the license to the linked code. On second thought, adding the ARTMIP repository does not seem necessary - we do not use any of the outputs directly from ARTMIP in this work; it was included for readers to have access to previous version outputs of the tARget algorithm and for comparing to other atmospheric river detection algorithms. We only used the publically available E3SM and MERRA2 datasets in combination with the linked tARget v3 algorithm to produce all of our results. Given that both the code and data necessary to run our analysis are available, does this satisfy the policy? We remove mention of ARTMIP and our statement will read as below:

"Code and data availability. E3SM and MERRA2 datasets used in this study are publically available at <https://esgf-node.llnl.gov/projects/e3sm/> and <https://disc.gsfc.nasa.gov/datasets?project=MERRA-2> respectively. The tARget v3 algorithm is available at <https://doi.org/10.25346/S6/B89KXF>."