

Geosci. Model Dev. Discuss., referee comment RC1
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Comment on gmd-2021-183

Anonymous Referee #1

Referee comment on "Parallel gridded simulation framework for DSSAT-CSM (version 4.7.5.21) using MPI and NetCDF" by Phillip D. Alderman, Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2021-183-RC1>, 2021

Sorry, I just do not find this paper to be interesting or particularly useful. Fair enough, the DSSAT modelling community might find the work useful but its broader significance is limited and not befitting the gravitas of a journal such as GMD. The paper solves a very specific challenge but that is about as far as it goes. Its broader scientific value is very limited. The study is also not well designed. Yes, ok NetCDF performs better than text. This is a surprise to no-one. No modeller would use text format data if performance is an issue. How does NetCDF perform compared to other high performance formats such as HDF5, npy, feather etc? The fact that performance scales with the number of cores is also unsurprising. Honestly, most modellers do this on a daily basis and do not need a scientific paper to tell us that. I'm sorry but the contribution is underwhelming.