

Interactive comment on “Comparative analysis of atmospheric radiative transfer models using the Atmospheric Look-up table Generator (ALG) toolbox (version 2.0)” by Jorge Vicent et al.

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This is an executive editor comment highlighting the ways in which this manuscript is not currently compliant with GMD policy on code and data availability. Currently the manuscript fails to comply with very significant parts of the GMD requirements for source code publication. If these issues cannot be remedied then the manuscript will need to be rejected.

GMD requires the public and persistent archiving of all of the source code on which a manuscript depends. This means that only releasing binary code, as appears to be the case for ALG, is incompatible with publication in GMD. The full description of

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this policy and its rationale is presented in the recent editorial (<https://doi.org/10.5194/gmd-12-2215-2019>), though that is merely the most recent restatement of the principle, which has always been the GMD approach. The only exceptions to this rule occur where it is impossible to release the source code for reasons beyond the authors' control. This is typically only the case for large models owned by national institutions, where redistribution policies are controlled at a level far removed from the scientists who write the code and papers. In this case, both of the researchers named as authors of the software on the software package's website are authors of the manuscript, and the licence conditions of the software appear to be the result of the participants' own choices. In these circumstances, publicly and persistent archiving the source code employed is a necessary precondition for publishing in GMD.

Full details of these requirements are available on the GMD website in the code and data availability policy: https://www.geoscientific-model-development.net/about/code_and_data_policy.html.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-188>, 2019.

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