

## ***Interactive comment on “An update on the RTTOV fast radiative transfer model (currently at version 12)” by Roger Saunders et al.***

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The manuscript presents the update of the RTTOV model to version 12 and is a clear and concise summary of the history of the RTTOV model as well as many of the developments in fast radiative transfer for space-borne assets. This manuscript can serve as a nice guide for the introduction of this scientific area for a newcomer to the field. The manuscript has no significant flaws in its language or descriptions, and makes judicious use of references to help provide the details which could not be included. I did see the comments from Dr. Boukabara, but for my part have no significant comments for modifications, and recommend the manuscript be published in its current form.

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Minor suggestions: On page 1, when referencing TIROS TOVS radiometers could drop “old” before TIROS. On page 22 into 23, when discussing the aspects of RTTOV planned for the coming years, note that there is no mention of updating optical property tables for aerosols? Thought there was some momentum here, maybe is nothing concrete enough to be explicitly mentioned at this time?

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2018-64>, 2018.

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