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.

Jorge Vicent et al.

jorge.vicent-servera@magellium.fr

Dear anonymous reviewer, I would like to further insists on our view of the usefulness of our ALG tool. I have recently assisted to the workshop Trattoria 2020 (http://www.meteo.fr/cic/meetings/2020/trattoria/), organized by CNES and Meteo France. This workhop is oriented to atmospheric radiative transfer for atmospheric physics, atmospheric correction and climate modelling. In this workshop I had the chance to show ALG to model developers (e.g. SOS-abs, Artdeco, 4AOP,...) and I generally got a positive feedback on the interest of ALG by the community. The interest came not only for the possibility of facilitating the generation of look-up tables but

also the possibilities offered for facilitating model intercomparison or preparing data for practical applications (e.g. for atmospheric correction and satellite data processing algorithms). ALG does not replace the RT models but support and facilitate their use. We therefore consider that our toolbox can be useful to understand the RT models and physics.