

***Interactive comment on* “Different strategies to retrieve aerosol properties at night-time with GRASP algorithm” by Jose Antonio Benavent-Oltra et al.**

Anonymous Referee #2

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The paper “Different strategies to retrieve aerosol properties at night-time with GRASP algorithm” shows novel strategies for the retrieval of vertically-resolved aerosol properties at night-time using GRASP algorithm. To this goal, the authors proposed three different schemes combining the measurements of different remote sensing instruments. To quantify the accuracy of the retrieved night-time aerosol properties obtained by these strategies, the authors used independent aerosol measurements and products as the reference. The title of manuscript clearly reflects the contents of the paper. The paper is well-structured and clearly written. The number and quality of the references are appropriate.

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Discussion paper



Major comment:

The conclusions in this article are based on experimental data acquired during a Saharan dust event that took place during SLOPE I campaign at Granada (Spain) from 18th to 21st July 2016. Whether they will be valid for another set of experimental data?

Minor comments:

The text of the article contains minor misprints. Namely:

- the punctuation in the first affiliation is not keep;
- the punctuation is not keep in references to the relevant literature, there are no dots or semicolons (for example, P. 2 line 18, P. 6 line 13, P. 4 line 10, P. 15 line 8);
- the numbering is broken for tables 2-3 (P. 31-32);
- figure 10 and its mention are missing from the text (P. 20).

References:

- missing dots at the end of the references (P. 24 line 49, P. 25 line 27, P. 27 line 21, P. 28 lines 20, 22, 24);
- the font size reduced (P. 24 lines 3-8);
- there is no uniform style in writing doi for references.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2019-681>, 2019.

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