

Atmos. Chem. Phys. Discuss., referee comment RC1  
<https://doi.org/10.5194/acp-2021-518-RC1>, 2021  
© Author(s) 2021. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## Comment on acp-2021-518

Anonymous Referee #1

---

Referee comment on "Insights into tropical cloud chemistry in Réunion (Indian Ocean): results from the BIO-MAÏDO campaign" by Pamela A. Dominutti et al., Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2021-518-RC1>, 2021

---

The article deals with the physical-chemical characterization of cloud water samples collected in a pristine region. The article is very well written, with excellent figures and tables and an in-depth discussion of the results. In addition, the authors made a detailed and careful description of the analytical methods used to determine the chemical composition, which makes the results reliable. Due to the degree of explanation, I have no doubts about the results.

Just a few comments:

- How far is the island from the mainland or from the nearest anthropogenic sources?
- Why was the conductivity not measured?
- Have no preservative agents been added to the cloud water samples?
- Did the cloud sampler blanks present any contamination?
- Have the first mL of cloud water been discarded?

Some expressions are in disuse in Analytical Chemistry:

- it is always necessary to separate the unit from the number – 90 %

- M - the correct one is mol L<sup>-1</sup>

- calibration curve - the correct one is analytical curve