

Atmos. Chem. Phys. Discuss., referee comment RC1
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Comment on acp-2021-518

Anonymous Referee #1

Referee comment on "Insights into tropical cloud chemistry at Reunion Island (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⁻¹
- calibration curve - the correct one is analytical curve