

## ***Interactive comment on “Potential for the measurement of MLT wind, temperature, density and geomagnetic field with Superconducting Submillimeter-Wave Limb-Emission Sounder-2 (SMILES-2)” by Philippe Baron et al.***

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We would like to thank reviewer 3 for his comments that helped us to improve our manuscript. Our replies are given here-below, and the manuscript has been modified accordingly in a supplement file. The manuscript corrections are highlighted in blue in the revised manuscript.

Herebelow we answer the comments point by point. (Reviewer' comments are indicated with [REV] and our answers with [ANS]).

C1

[REV] Table 1 W, T and NLC denote wind, temperature and . . .

[ANS] Done. The sentence in the revised version is: “W, T and NLC denote wind, temperature and noctilucent cloud.”

[REV] Page 5, line 12 molecular instead of moelcular

[ANS] Done

[REV] Page 7, line 5 what does wrt mean?

[ANS] It is an abbreviation for “with respect to”. It is replaced by the full form in the revised manuscript.

[REV] Page 8, line 9 They are dependent on . . .

[ANS] Done

[REV] Page 10, line 9 . . . lower sideband ratio is . . .

[ANS] Done

Please also note the supplement to this comment:

<https://www.atmos-meas-tech-discuss.net/amt-2019-217/amt-2019-217-AC2-supplement.pdf>

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Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2019-217, 2019.

C2