

Atmos. Meas. Tech. Discuss., community comment CC1  
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## Comment on amt-2022-14

Francesc ROCADENBOSCH

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Community comment on "Atmospheric boundary layer height from ground-based remote sensing: a review of capabilities and limitations" by Simone Kotthaus et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2022-14-CC1>, 2022

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Dear authors,

I've found your article very comprehensive and an excellent review. Congratulations on this nice and thoughtful piece of work.

Connected with Sect. 3.1 (MWR temperature retrieval), Sect. 3.2 (Doppler Wind Lidar - vertical velocity standard deviation), Sect. 3.3 (e.g., ceilometer) and Sect. 4 (diurnal cycle, transition times), please kindly consider the following reference (attached):

M. P. Araújo da Silva, F. Rocadenbosch, R. L. Tanamachi and U. Saeed, "Motivating a Synergistic Mixing-Layer Height Retrieval Method Using Backscatter Lidar Returns and Microwave-Radiometer Temperature Observations," in IEEE Transactions on Geoscience and Remote Sensing, vol. 60, pp. 1-18, 2022, Art no. 4107418, doi: 10.1109/TGRS.2022.3158401.

With regards,

Francesc Rocadenbosch (UPC)

Please also note the supplement to this comment:

<https://amt.copernicus.org/preprints/amt-2022-14/amt-2022-14-CC1-supplement.pdf>