

Atmos. Meas. Tech. Discuss., referee comment RC2  
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## **Comment on amt-2021-305**

Anonymous Referee #3

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Referee comment on "Water vapor estimation based on 1-year data of E-band millimeter wave link in North China" by Siming Zheng et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2021-305-RC2>, 2022

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In general, this paper has been well prepared, and presented the experiments conducted in North China regarding the application of microwave signal linkage to retrieve the temporal variation in the water vapor near the ground surface. There are also some theoretical analyses.

For Figure 1, please add the name for the horizontal axis and vertical axis.

For Figure 2, what time is used, local Beijing time, or the Coordinated Universal Time (UTC)?

Line 86, rewrite as "The data recorded by the local weather station include humidity, ....".

For each season, as shown in Figure 4, I would suggest the authors to use the same scale for the months within that season, which will be convenient for the readers to compare.