

Atmos. Meas. Tech. Discuss., referee comment RC1  
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## **Comment on amt-2022-210**

Anonymous Referee #1

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Referee comment on "Toward quantifying turbulent vertical airflow and sensible heat flux in tall forest canopies using fiber-optic distributed temperature sensing" by Mohammad Abdoli et al., Atmos. Meas. Tech. Discuss., <https://doi.org/10.5194/amt-2022-210-RC1>, 2022

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This work consists of one of the first attempts to determine the structure of turbulence in forest areas using fiber-optic distributed temperature sensing against the traditional eddy covariance method. In my opinion, the technique is promising and, in the future, it can help in research involving turbulent exchanges between the forest and the atmosphere, considering that the temperature field is probably what controls these exchanges in these environments. I believe the paper has scientific merits and is within the scope of the journal.