

## ***Interactive comment on “Long-term observation of mid-latitude quasi 2-day waves by a water vapor radiometer” by Martin Lainer et al.***

**Anonymous Referee #2**

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Radio aeronomy has matured to an established technique for remote sensing of the middle atmosphere. Ground-based measurements of the middle atmosphere will play a very important role in the future since several of the satellite systems, dedicated for middle atmospheric studies, are aging and few replacements are planned.

It has become more and more clear that wave activity in the middle atmosphere can have an impact on the troposphere. This means that the kind of studies, described in this paper, are of utmost importance.

In my opinion the paper is very interesting, well written and easy to follow. My only concern is why the authors do not compare their results with model data like WACCM or datasets like ECMWF. Such a comparison would give additional strength to the paper.

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If the authors justify why no comparisons have been made, I consider the article to be published in ACP

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