

## ***Interactive comment on “The effect of cloud liquid water on tropospheric temperature retrievals from microwave measurements” by Leonie Bernet et al.***

### **Anonymous Referee #1**

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#### General Comments:

The paper is technically sound. I only have very minor comments listed below.

#### Specific comments:

Line 21: remove ‘a’

Line 22: By traditional do you mean satellite. It is not clear to me.

Pg 6, line 26: change ‘a’ to ‘the’

Pg 6, line 32: variance about the monthly mean profile at this site must be very large, especially in the cold seasons when there is more frontal activity. A-Priori will affect the retrieved profile of course. Has there been any study of this?

Pg 7, line 14: How sensitive is the retrieval to the exponential water vapor distribution

Pg 10, line 29: perfect???

Pg 11, line 32, : change 'a' to 'the'

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Discussion paper

