

## ***Interactive comment on “Technical Note: Intercomparison of ILAS-II version 2 and 1.4 trace species with MIPAS-B measurements” by G. Wetzel et al.***

### **Anonymous Referee #2**

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The authors compare ILAS-II version 2 and 1.4 trace species profiles with MIPAS-B measurements. Significant improvements are obtained in the consistency with MIPAS-B when using version 2 of the ILAS retrieval. The manuscript is clearly written and well structured. The impact of the improvements between ILAS versions 1.4 and 2 on the agreement with MIPAS-B appears clearly in the figures. I recommend publishing the manuscript in ACP after addressing the following specific comment:

Water vapour comparison: at the end of page 16233, the authors should discuss a little bit more about the persistence of the negative bias below 21 km when using version 2 of ILAS. What are the possible reasons that could explain this feature ?

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