

## ***Interactive comment on “The AquaVIT-1 intercomparison of atmospheric water vapor measurement techniques” by D. W. Fahey et al.***

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Dear authors, I really liked to read the paper, but one point makes me a bit confused.

You write a lot (table etc.) about the uncertainties of the instruments, some of these are really low... for H<sub>2</sub>O. The deviations are instead larger, so the instruments don't always fit in the range of the uncertainties.

Could it be, that the uncertainties are a bit too optimistic? I would suggest discussing that issue a bit more, because measurements outside the uncertainty ranges should be an exception and not “just” a thing.

Cheers T.Sandlow (TTF)

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