

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

D. W. Fahey et al.

david.w.fahey@noaa.gov

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The authors would like to thank Dr. Sanlow for his thoughtful comment. Without an absolute reference value, we have been reluctant to draw strong or detailed conclusions about the accuracy of individual instruments. We have added an additional conclusion at the end of Section 6.5:

“If the ensemble reference value is assumed to be correct with an uncertainty of $\pm 5\%$, then all of the core instrument segment values agree with the reference value within the combined uncertainties ($\pm 5\%$ plus uncertainties in Table 2). In contrast most of the non-core instrument segments do not agree with the reference value within combined uncertainties in the AquaVIT configuration.”

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