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Atmospheric Measurement Techniques Discussions

Interactive comment on "An inverse modelling approach for frequency response correction of capacitive humidity sensors in ABL research with small unmanned aircraft" *by* N. Wildmann et al.

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Many thanks for the detailed review. In the following I will comment on each point. The referee comments will be repeated in blue italic before the answer. In general, we believe we need to more clearly describe in the revised manuscript for which purpose we developed this sensor model and where the limitations and benefits are. Since the referee mentions the comparison to Miloshevich et al.(2004) several times, we need to address better how measurements from RPA serve a different purpose than radiosonde and ground observations. This concerns the requirements of a sensor, and also the environment, in which the sensor is used.

Detailed answers to the referee comments are given in the attached PDF-file.

Please also note the supplement to this comment:
http://www.atmos-meas-tech-discuss.net/7/C1785/2014/amtd-7-C1785-2014-supplement.pdf

Interactive comment on Atmos. Meas. Tech. Discuss., 7, 4407, 2014.