

Interactive comment on “Noise performance of microwave humidity sounders over their life time” by Imke Hans et al.

Anonymous Referee #2

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General Comments

This paper is well-written and presents the results of a noise analysis of microwave sounders. The data from these instruments are widely used and this paper provides a valuable resource for users to determine whether data from these instruments should be trusted. The authors do a thorough job explaining the background and the results, and I only have a couple minor comments.

Specific Comments

Page 6, first paragraph (and in some other places) I understand what you mean by saying “four views on the OBCT... four views on the deep space...” But I find it a bit confusing to call those “views” since you also refer to the “deep space view” (singular).

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Same thing with saying “90 earth views”. Perhaps call it something else like “samples”. “White noise” and “pink noise” are mentioned but I couldn’t find a definition for what they are. It may be good to include a brief definition for people not familiar with those terms.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-277, 2017.

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