Atmos. Meas. Tech. Discuss.,
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Atmospheric Measurement Techniques Discussions

Interactive comment on "Sensitivity of airborne radio occultation to tropospheric properties over ocean and land" *by* Feiqin Xie et al.

Anonymous Referee #2

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General comments ————————

This is an involved paper, which examines various aspects of an Airborne Radio Occultation mission: the type of data, the nature of the processing, the antenna type and orientation, and the degree to which the results agree with various reference data sources. The resulting profiles compare favourably with those from reanalyses, and are worth publishing.

Specific comments ————————-

Why do the bending angle curves turn over at ∼13 km? Why are there two bending angles for each impact height below that? Please explain (in the text, not to me).

Technical corrections ————————

P8, L26: dimentional –> dimensional.

P9, L12: On the contrary –> In contrast.

All figures OK, except for the strange bending angle business.

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2017-199, 2017.