Atmos. Chem. Phys. Discuss.,
doi:10.5194/acp-2017-166-SC4, 2017

Atmospheric Chemistry and Physics Discussions

Interactive comment on "On biases in atmospheric CO inversions assimilating MOPITT satellite retrievals" *by* Yi Yin et al.

M. Deeter

mnd@ucar.edu

Received and published: 27 April 2017

In general, the authors appear to understand the points I raised in my first comment, and have stated their intention to clarify these points in the revised version. I will therefore need to read the revised version before commenting further.

However, the authors do not seem to have understood the point I raised about the V6 TIR/NIR validation results. Their response to this comment was "We cited the MOPITT papers that we consider most relevant and latest - in total four papers by Deeter et al." The issue is not whether the V6 validation paper was cited or not. The point here is that any conclusions made in the submitted manuscript regarding retrieval bias (for example, in Sections 3.2, 3.2, and 5.3) should be related to what is already known about such biases. There is valuable information in the V6 validation paper, especially

Printer-friendly version

Discussion paper

regarding biases in the V6 TIR/NIR product over the Northern Hemisphere, that is completely ignored in the submitted manuscript.

Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2017-166, 2017.

Printer-friendly version

Discussion paper