Interactive comment on “Coupling sky images with three-dimensional radiative transfer models: a new method to estimate cloud optical depth” by F. A. Mejia et al.

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Thank you for the comment. We agree with the reviewer and apologize for the oversight. Since the discussion paper cannot be revised until the end of the comment period, the figures in the paper will be corrected for the final revision. In the meantime we have attached figures 8-11 with the correct captions.


Fig. 1.
Fig. 9 Comparison of RRBR $\tau_{\text{a}}$ retrievals from the sky imager versus the Min method applied to MFRSR measurements for USI cloud fractions greater than 0.7. USI results are averaged over the hemisphere as shown in Eq. 9.

Fig. 2.

Fig. 10 Comparison of USI RRBR versus MWR measurements of cloud optical depth for $\text{CF}<0.7$ in black and $\text{CF}>0.7$ in red.

Fig. 3.
Fig. 11 Comparison of RRBR versus DNI method of cloud optical depth retrieval. Since $t_o$ becomes unreliable for small DNI $t_o > 5$ are identified as $t_o = 5$ to illustrate that thick clouds are mostly identified correctly.

Fig. 4.