



Interactive comment on “Aerosol information content analysis of multi-angle high spectral resolution measurements and its benefit for high accuracy greenhouse gas retrievals” by C. Frankenberg et al.

C. Frankenberg et al.

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Apart from the issues raised by the reviewers (and corrected now), we found a few other problems: 1) Some units in the aerosol parameters were wrong (e.g. column amount is in m^2 , not μm^2 , width of the size distribution is unit-less (2-parameter gamma, added reference to Hansen and Travis). 2) The Jacobian with respect to the width of the gaussian height distribution was erroneous (included an old parameterization and was not purely a width Jacobian). We fixed that and changed ALL figures using the new set

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of Jacobians.

We highly appreciate the positive feedback we received from all reviewers and hope that we can (in the not too distant future) implement a full retrieval version based on this concept.

Best regards, Christian

Interactive comment on *Atmos. Meas. Tech. Discuss.*, 5, 2857, 2012.

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