

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.

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It is clear that future atmospheric remote sensing techniques will require simultaneous retrieval of atmospheric state including aerosol, trace gas, and cloud properties. This paper presents an important step in this direction considering both aerosol and trace gas retrievals in the unified retrieval scheme. I highly support the publication of this paper in AMT. I am happy to see that authors promote multi-angle high spectral resolution measurements. Such measurements certainly have a great potential (especially if combined with polarimetry and atmospheric modeling).

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