

***Interactive comment on “Statistically optimized inversion algorithm for enhanced retrieval of aerosol properties from spectral multi-angle polarimetric satellite observations” by O. Dubovik et al.***

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Received and published: 12 January 2011

This is an important contribution to atmospheric remote sensing. If possible, please, add more discussions on the complex refractive index of atmospheric aerosol and its treatment in the retrieval procedure. The atmospheric aerosol (at a given location) is composed of various substances with different refractive indices. In some cases, the particles of different size ranges (and habits) also have very different refractive indices.

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C2463

Interactive comment on Atmos. Meas. Tech. Discuss., 3, 4967, 2010.