Atmos. Chem. Phys. Discuss., 11, C9–C10, 2011 www.atmos-chem-phys-discuss.net/11/C9/2011/

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## Interactive comment on "A spectral method for retrieving cloud optical thickness and effective radius from surface-based transmittance measurements" by P. J. McBride et al.

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Received and published: 22 January 2011

The paper of McBride et al. is aimed at the introduction of a new method in atmospheric measurement techniques. The method is aimed at the retrieval of droplet radii from ground measurements of light transmitted through a cloud. Also the authors determine the cloud optical thickness, which is already a routine technique and implemented in AERONET. I strongly support the publication of this very interesting paper. I suggest that authors present the droplet size distribution used in the retrievals (half-width of distribution, its functional form). Also they may change "asymptotic value of 1" to "asymptotic value of about 1" on p.1068 ( see Kokhanovsky, Cloud Optics, 2006).

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Interactive comment on Atmos. Chem. Phys. Discuss., 11, 1053, 2011.