

# ***Interactive comment on “Microphysical characterization of long-range transported biomass burning particles from North America at three EARLINET stations” by Pablo Ortiz-Amezcua et al.***

**Anonymous Referee #1**

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This paper presents a comprehensive analysis of optical characteristics of transported aged forest fire smoke using multi-wavelength Raman lidars and AERONET sun photometers. The paper is very well written. The manuscript may be accepted in the present form. It would be better, however, to add some discussion on hygroscopic growth. Relationship between effective radius and relative humidity would be interesting. It would be also very interesting if vertical profile of effective radius in Warsaw was presented.

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[Discussion paper](#)

Interactive comment on Atmos. Chem. Phys. Discuss., doi:10.5194/acp-2016-946, 2016.