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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Aerosol optical depth in the European Brewer Network" *by* Javier López-Solano et al.

Anonymous Referee #2

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This is a well-written article that does identify an important gap for Brewer AOD calibration.The authors have modified the manuscripts in three aspects. 1. Improvements of Brewer AOD data. 2. Comparison Brewer AOD with other instruments. 3. The uncertainty of Brewer AOD. There is an interesting finding in this research about Brewer AOD data. The paper would be significantly improved with the addition of some details. Section 2. Method Line 15 and Line 24 Equation (1), (2) and (3) add λinto the equation, for example I_ =I_O eˆ(-τm)âĽń>I_λ=I_Oλ eˆ(-τm) Line 16 add I_λ is the direct solar irradiance at the ground doe each wavelength. Section 2.3 AOD CALIBRATION OF Brewer instruments Line 22 so we don't »> so we do not

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Discussion paper