

Interactive comment on “Day and night columnar aerosol properties at Granada (Spain) retrieved from sun-and star-photometry” by D. Pérez-Ramírez et al.

Anonymous Referee #1

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The paper presents multi-year aerosol optical depth data collection in Granada, Spain. Measurements were made during daytime and nighttime using sun and star-photometers. The paper is well written and statistical analysis shown in it may be useful for various modeling and remote sensing applications. The Introduction underlines very clearly goals of the current study. The paper will become much stronger scientifically if the authors include either synoptic (air mass) or meteorological analyses or both in conjunction with optical properties in their consideration. Also for the daytime measurements aerosol retrieval are available and could be included in the seasonal analysis. However I understand that the major point the authors wanted to make is to present the dataset that contains several years of day and night AOD data record.

Interactive comment on Atmos. Chem. Phys. Discuss., 12, 11941, 2012.

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