

Interactive comment on “Aerosol optical characteristics in the urban area of Rome, Italy, and their impact on the UV index” by Monica Campanelli et al.

Anonymous Referee #1

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The authors present their findings on the impact of aerosol optical properties on the UV Index a) Main comment: The title promises results in respect to the UV Index. Therefore it would be valuable to find the most important findings in respect to the UV Index already in the abstract. (PS: it is not really interesting where the Brewer is mounted.) Also the “conclusions” should focus on influence of aerosols on UV Index.

b) Minor comments: l.16-17: 2010-2016 is it 6 or 7 years? l.20: Optical data (abstract and introduction): please provide details l.22: delete l.23: PM10 (abstract and elsewhere): provide definition l.30: SOIL and SEA type aerosols? l.82+l.122: ... and at several scattering angles in the almucantar geometry: please clarify, what is the

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difference/meaning, otherwise delete l.123: ... official code ... is it computer code? l.147: Cost-713 not found in references l.163: ... ozone air mass.... Please explain. I think that this a technical term is known in the Brewer/Dobson community but rather unknown for other readers. Figures: please check labelling of all figures: e.g. Fig.1 axis (second last panel), labelling of color scales, ...

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