

## ***Interactive comment on “A new method of measuring aerosol optical properties from digital twilight photographs” by M. Saito and H. Iwabuchi***

### **Anonymous Referee #1**

Received and published: 10 March 2015

The paper is addressing an interesting subject concerning a method to infer aerosol optical properties from digital twilight photographs. The paper is interesting and could be accepted after minor revision that I am suggesting here. My reaction to the paper is that it would be good to compare the method proposed to a much simpler method described in Zerefos et al., 2007, 2014 where digital pictures were also used to calibrate the method before, during and after the overpass of a Sahara dust event over an experimental site. The method is simple and relies on calculating red-to-green ratios measured either in digital photographs, in situ and painted by professional colorists. Therefore I would like to see a short discussion on the methods. It appears that large volcanic eruptions have left a high red-to-green ratio either in digital pictures or in paintings by great masters in the past. With this minor correction I think the paper can be

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accepted for publication in AMT.

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Interactive comment on Atmos. Meas. Tech. Discuss., 8, 191, 2015.