

***Interactive comment on* “Long term measurements of optical properties and their hygroscopic enhancement” by M. Hervo et al.**

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Concerning the unclear 1st point (question on clustering) raised by the 1st reviewer:

I asked the reviewer for clarification - his answer: "The reviewer wanted the authors to consider the residence time of the air parcel residing in the planetary boundary layer when determining the sources as shown in Fig. 3. Otherwise there will be a bias that the characteristics of free tropospheric aerosol (e.g. from long-range transport) will be averaged into the mean value."

In addition, he asks to check the calculation that yields single scattering albedo values of 0.7 over the ocean (blue areas). These values appear to be too low.

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I strongly encourage the authors to carefully consider these remarks.

Interactive comment on Atmos. Chem. Phys. Discuss., 14, 27731, 2014.

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