

Interactive  
Comment

## ***Interactive comment on “Photoacoustic and nephelometric spectroscopy of aerosol optical properties with a supercontinuum light source” by N. Sharma et al.***

### **Anonymous Referee #2**

Received and published: 12 September 2013

Sharma & al.: Photoacoustic and nephelometric spectroscopy of aerosol optical properties with a supercontinuum light source, Atmos. Meas. Tech. Discuss., 6, 6293–6327, 2013.

REVIEW GENERAL The idea is very interesting, to avoid the use of filter for the measurement of the absorption in the aerosol phase. I also like the idea of measuring absorption and scattering in one single instrument which reduces the uncertainties (even if it is not suitable for remote sites).

The technical description is complete and well documented.

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DETAILED COMMENTS P6301: L15:the background signal seems high, what would be the LOD? L18:Why did you connect the temperature and RH sensors at the outlet (and not the inlet)?

P6302 L3: at which frequency do you change filter? Maybe you could mention here the duration (always 1 minute?) L16: what are the dimensions of the iron lung?

P6303: L16: why did not you use the CO<sub>2</sub> to calibrate the nephelometer part?

P6305: L8: Maybe you could mention the “1 minute” earlier? L12: What is “a value too low”?

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Interactive comment on Atmos. Meas. Tech. Discuss., 6, 6293, 2013.

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