Interactive comment on “Aerosol optical hygroscopicity measurements during the 2010 CARES Campaign” by D. B. Atkinson et al.

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Nice paper, but seems to lack some essential information. The uncertainty calculations are only for kappa values. What about the estimated uncertainty of the nephelometer growth factor, particularly a log fit involving 4 different parameters using only 3 data points? What was the spread or range of values and standard deviation? What averaging time was used for the measurements? Were truncation corrections applied to the nephelometer measurements? Can you explicitly state the measured RH of the low, medium and high RH values inside the nephelometers? Were the RH sensors calibrated against a higher quality sensor? Was the lowest RH within a predicted metastable range of the aerosol, i.e. above the efflourescence point of NaCl? Do you
get different gamma values if you use only the medium and high RH values in the nephelometer?

Interactive comment on Atmos. Chem. Phys. Discuss., 14, 31203, 2014.