

Interactive comment on “Extinction efficiencies of coated absorbing aerosols measured by cavity ring down aerosol spectrometry” by A. A. Riziq et al.

A. A. Riziq et al.

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Thank you very much for the constructive comments. Here are our responses to your comments:

Limit of detection; This issue has been discussed elaborately in our previous papers. Therefore we decided not to discuss it again in the present manuscript. Riziq, A. A., Erlick, C., Dinar, E., and Rudich, Y. Atmos. Chem. Phys., 7, 1523;1536, 2007 and Dinar, E., Riziq, A. A., Spindler, C., Erlick, C., Kiss, G., and Rudich, Y., Faraday Disc., 137, 279;295, 2008.

Water Vapor; We have performed measurements of water vapor concentration in the CRD cell previously using a chilled mirror hygrometer. The RH was found to be lower

than 3%. For more details we refer you to: Riziq, A. A., Erlick, C., Dinar, E., and Rudich, Y. Atmos. Chem. Phys., 7, 1523;1536, 2007. As for RH effect on optical properties, that is something we're also interested in and intend to explore further. We have not performed such experiments so far.

Error estimation; we performed independent assessment of the error and our numbers are on the same order of magnitude.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 18113, 2007.

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7, S8049–S8050, 2007

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