

## ***Interactive comment on “Recommendations for the interpretation of “black carbon” measurements” by A. Petzold et al.***

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I find the approach outlined in the paper ("BC" refers generally to the material with the five properties outlined in here, consistent with some previous usage, specific terms (rBC/EC/EBC) used to refer to measured quantities depending on instrumental approach) to be very reasonable, and I'm happy to conform.

I think it would be great if the authors could expand the paper very slightly to address the associated question of nomenclature of mixing state with BC and provide recommendations. For example, some people refer to any particle with a non-zero BC fraction as a "BC particle". I much prefer the usage with BC as a specific material, and hence like to call it a "BC-containing particle". It has also been convenient to refer to the BC components of individual particles as the "BC cores" without any confusion about

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non-BC mass either internally or externally mixed with the BC. The authors could consider endorsing "rBC/EC/EBC fractions" as a more general usage that doesn't carry the implication of spatial orientation or the action of the BC fraction as necessarily a nucleus for condensation, or formalize "cores" as a general term without unacceptable connotations.

Thanks,

Shuka

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Interactive comment on Atmos. Chem. Phys. Discuss., 13, 9485, 2013.