

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

A. Petzold et al.

a.petzold@fz-juelich.de

Received and published: 23 June 2013

Dear Shuka,

Thank you very much for your helpful suggestions. We decided to add a specific paragraph on mixing to the recommendations section. Since we have referred to mixed particles in the ACPD version already when recommending to avoid soot for atmospheric aerosols, we now added a new paragraph saying that

"Mixed particles containing a BC fraction should be termed BC-containing particle instead of BC particle or soot particle."

The full paragraph reads

C4099

"Since atmospheric research usually addresses mixed and aged particles that can no longer be associated with any combustion source process, the recommendation is to avoid using the terms soot or BC particle for atmospheric aerosol. It is also recommended to refer to the BC components of individual particles as the BC cores without any confusion about non-BC mass either internally or externally mixed with the BC. Respective fractions of BC mass should be consistently referred to as rBC, EC, or EBC fractions, respectively."

Best regards

Andreas

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