

Interactive
Comment

Interactive comment on “Experimental studies on particle emissions from cruising ship, their characteristic properties, transformation and atmospheric lifetime in the marine boundary layer” by A. Petzold et al.

K. Carslaw (Editor)

CARSLAW@ENV.LEEDS.AC.UK

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This is a thorough and useful contribution to existing studies of ship plumes. It brings together a comprehensive set of measurements that were deployed in such a way as to maximise our understanding of plume evolution. The synthesis figures of the impact on different sized particles versus plume age will be useful to modellers.

The presentation is very clear and the response to the referee’s comments is complete. My principal suggestion is that the authors should sum up (in the Conclusions) how

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their work has advanced our understanding of ship plumes and the impact on MBL aerosol and climate, compared to what was learned from previous studies.

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 15105, 2007.

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