

***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.***

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Can you elaborate more about the correlation for the sulfate bound water you have used as  $H_2O = 0.8 \text{ Sulfate}$ . Is this based on some experiments performed. around 4.25 mole of water bonded to each mole of sulfate seems very low.

Also, what is the rationale behind the correlation used :  $OM = 1.2 * OC$

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

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Interactive Discussion

Discussion Paper