**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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Received and published: 20 November 2007

Can you elaborate more about the correlation for the sulfate bound water you have used as H2O = 0.8 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