Interactive comment on “To what extent can aerosol water explain the discrepancy between model calculated and gravimetric PM\textsubscript{10} and PM\textsubscript{2.5}?” by S. G. Tsyro

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Received and published: 12 November 2004

Another short comment on this manuscript... I’d just like to repeat here what I already mentioned to the author S. Tsyro: PM\textsubscript{10} and PM\textsubscript{2.5} mass concentrations measured gravimetrically at 50\% and 20\% RH, as well as PM\textsubscript{10} and PM\textsubscript{2.5} full chemical composition have been measured since January 2002 at the JRC-Ispra EMEP station. Data for 2002 are available from our web page http://ccu.ei.jrc.it/ccu/and data for 2003 will be delivered soon. Trying to reproduce the PM mass concentrations measured at 20 and 50\% RH at JRC-Ispra would be (I believe) worthwhile. However, there is a lack of information regarding the hygroscopicity of particulate organic matter, a large part of which has been shown to be water soluble at some sites. I guess that anyway the
EMEP model won’t be able to calculate the amount of water soluble organic carbon in a next future. Therefore, wouldn’t the suggestion to consider shifting from wet (50% RH) gravimetric measurements to dry measurements of PM mass concentrations at the EMEP stations be a good conclusion for this work?