

Interactive comment on “Hygroscopic mixing state of urban aerosol derived from size-resolved cloud condensation nuclei measurements during the MEGAPOLI campaign in Paris” by Z. Jurányi et al.

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The authors would like to thank Referee #2 for reading and reviewing our paper.

Comment: Section 2.2.2 Were any humidograms performed during the campaign? Such measurement would give a more detailed insight into the mixing state, in addition for interpretation at different RH.

Response: No humidograms on the ambient aerosol were performed during the measurement campaign.

Comment: Page 2042 Line 1: Please state to what RH the aerosol was dried before
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entering the DMA. This will ultimately define the "dry size", which is ideally the same as the dry size of DMA1 of the HTDMA.

Response: The aerosol was also dried to RH<15% before entering the DMA of the scanning diameter CCNC measurement setup. Identical driers were used before the HTDMA and the CCNC. The text now reads: "The aerosol was dried to RH<15% with a diffusion drier before entering the DMA..."

Technical corrections: Everything was done as Referee #2 suggested

Interactive comment on *Atmos. Chem. Phys. Discuss.*, 13, 2035, 2013.