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Effect of aerosol composition on the performance of low-cost optical particle counter correction factors

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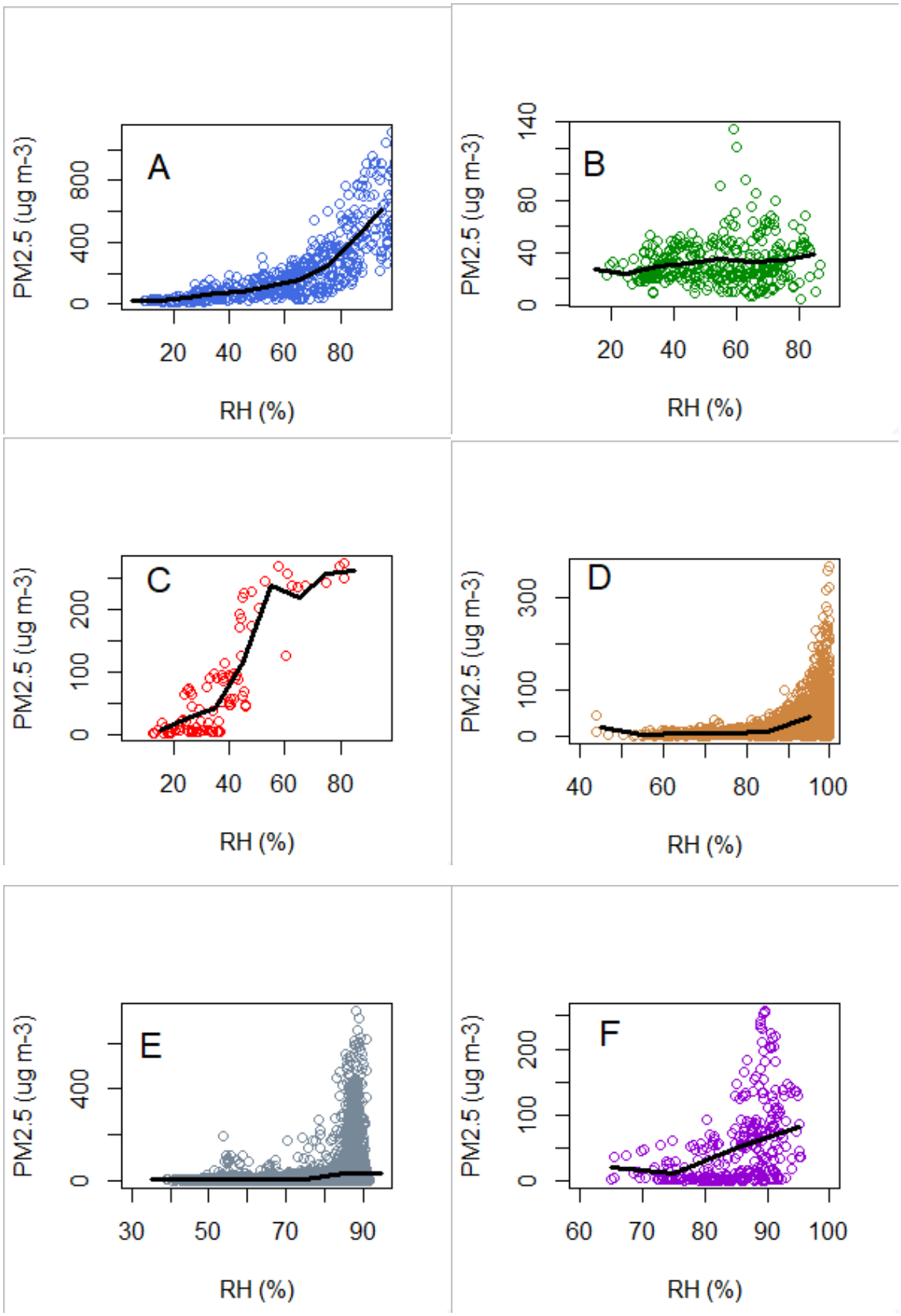

Figure S1: Plot of reported PM2.5 mass concentration by OPC-N2 against ambient RH for the whole measurement period in Delhi (A), Nairobi (B), Beijing (C), Bham BAQS (D), Nicaragua (E), Bham Tyburn (F). The black line is the mean reported PM2.5 mass concentration binned by RH (bin size 10% RH). Note the different y- and x-axis scales.

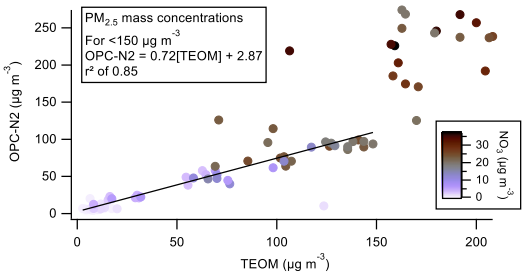

Figure S2: Uncorrected $PM_{2.5}$ by OPC-N2 against TEOM measurements coloured by nitrate concentration in Beijing.

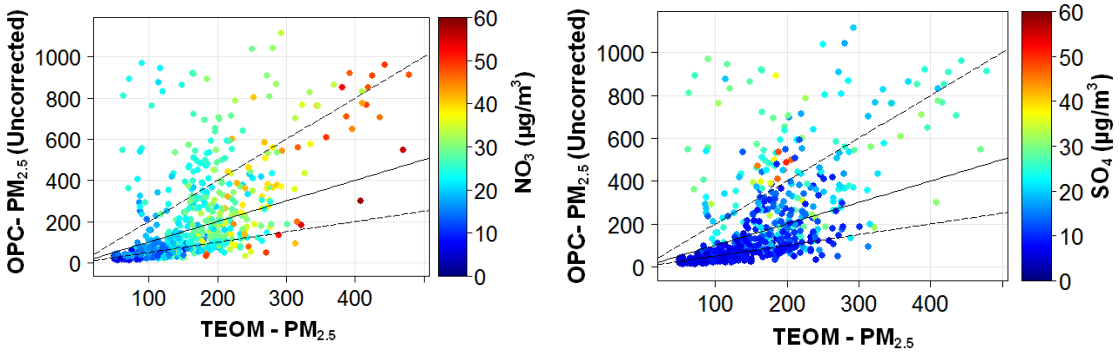

Figure S3: Uncorrected $PM_{2.5}$ by OPC-N2 against TEOM measurements coloured by nitrate and sulphate concentration in Delhi.

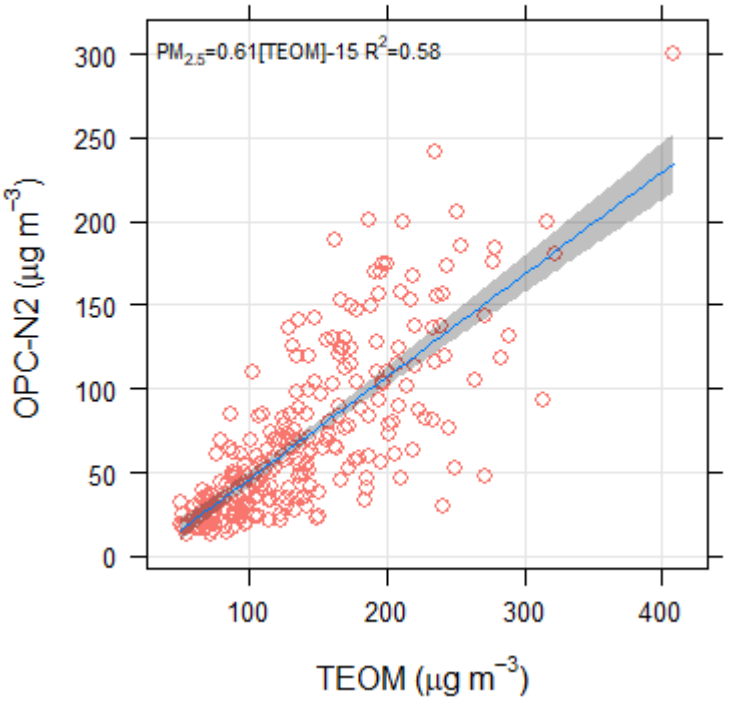

Figure S4: Scatterplot of uncorrected OC-N2 vs TEOM $PM_{2.5}$ measurements in Delhi for when the ambient RH was less than 60%.

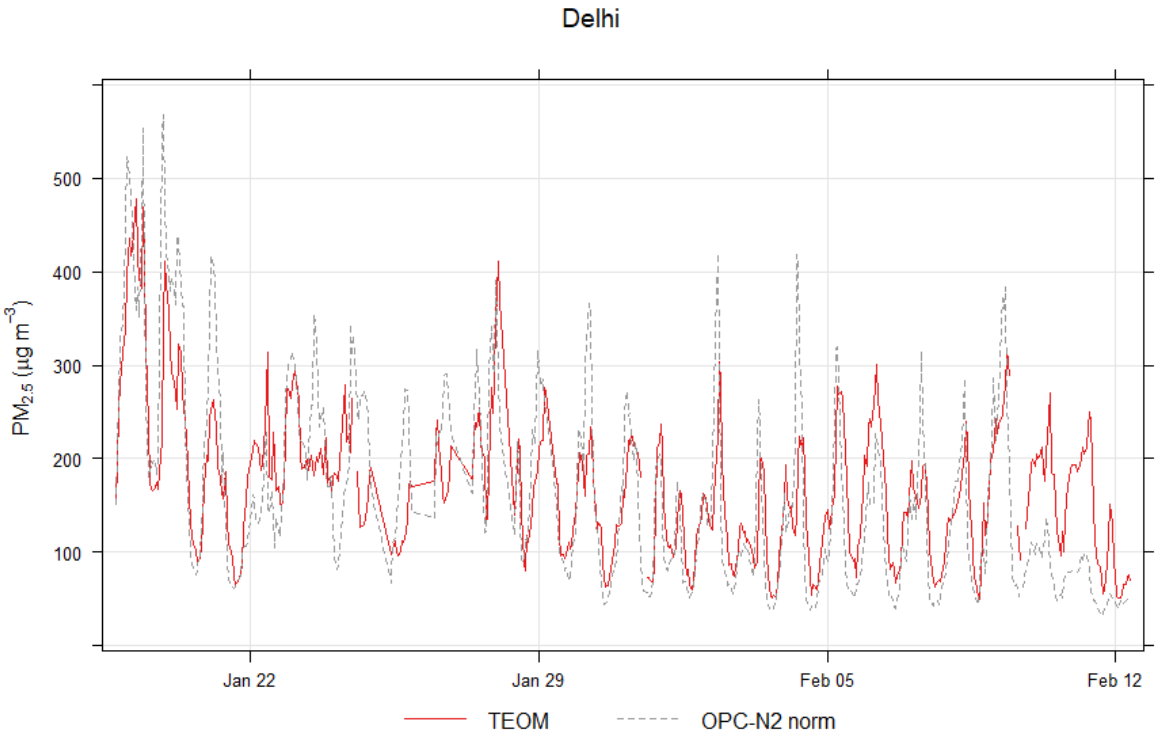

Figure S5: Time series of measured $PM_{2.5}$ mass concentrations at Delhi by TEOM-FDMS and OPC-N2 corrected by the two-stage approach (Section 3.1.1)