

1 *Supplement of*

2 **Influence of semi-volatile aerosols on physical and optical**
3 **properties of aerosols in the Kathmandu Valley**

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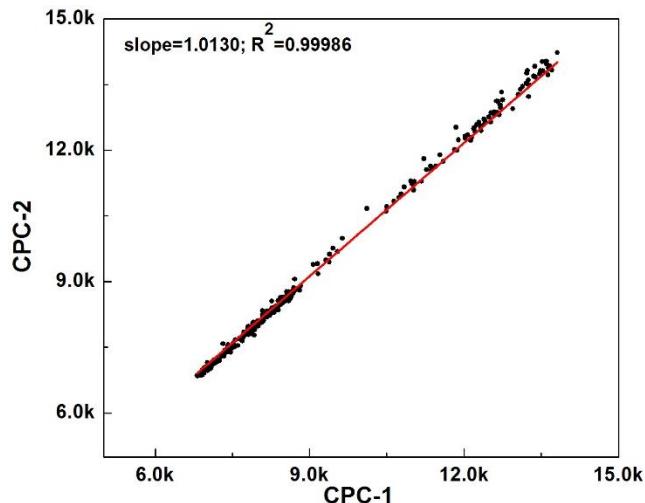
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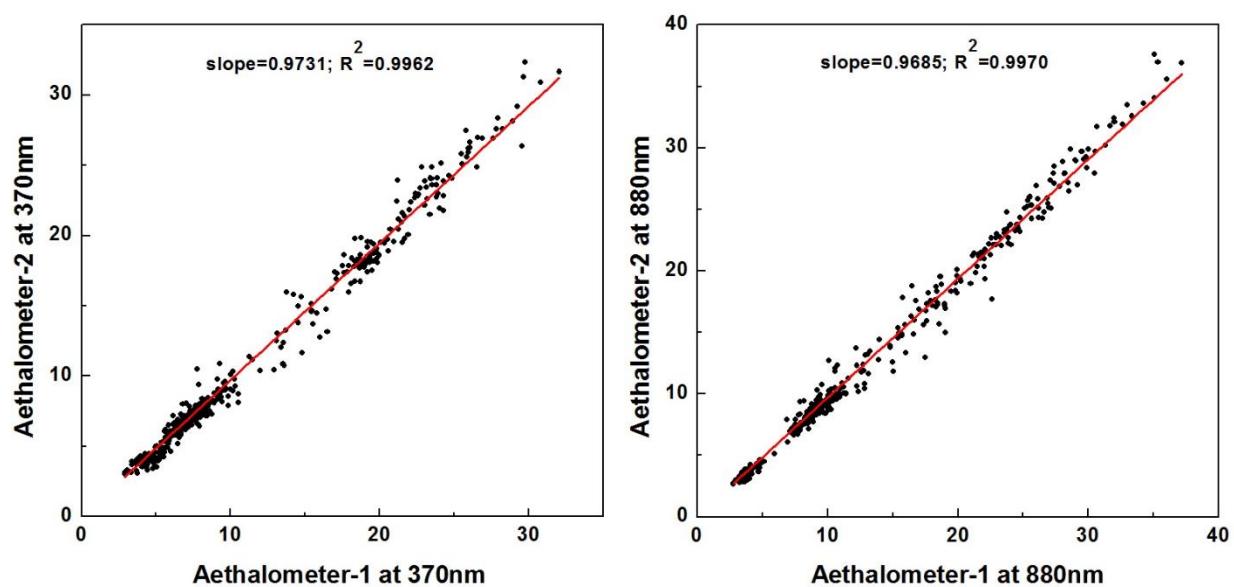
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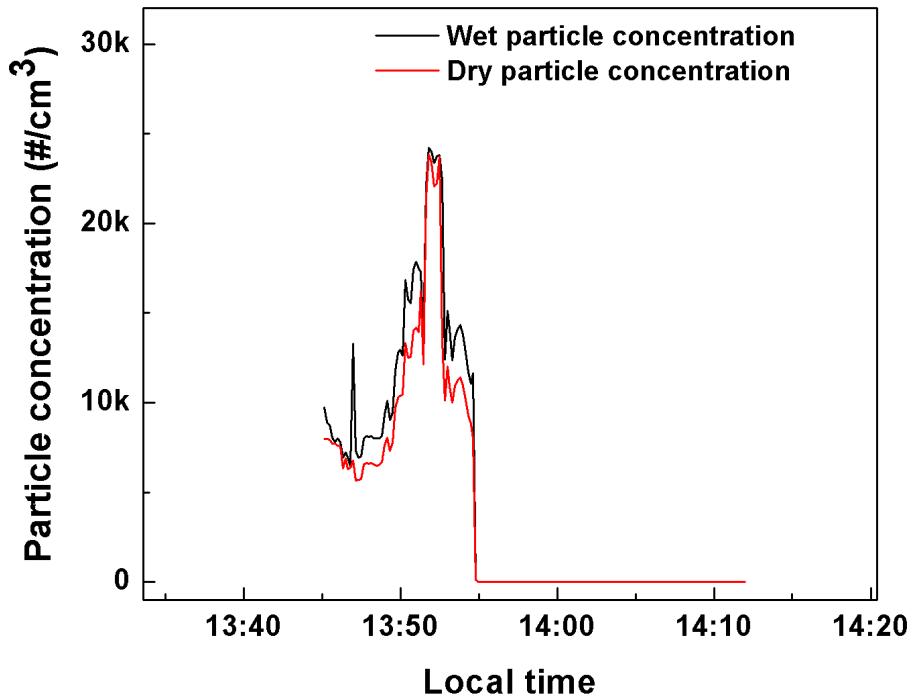


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27 **Fig. S1. (a)** Comparison of collocated CPC particle concentration (CPC-1 and CPC-2 indicate the particle
28 concentration (#/cm³) measured in individual CPC instruments)



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31 **Fig. S1. (b)** Comparison of collocated Aethalometers black carbon concentration at 880 and 370nm (Aethalometer-1
32 and Aethalometer-2 indicate the black carbon concentration (µg/m³) measured in individual Aethalometers).



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34 **Fig. S2.** Leakage test conducted with CPC showing number concentration abruptly decreased to zero value in both
35 instruments sampling wet and dry sample when HEPA filter is placed.

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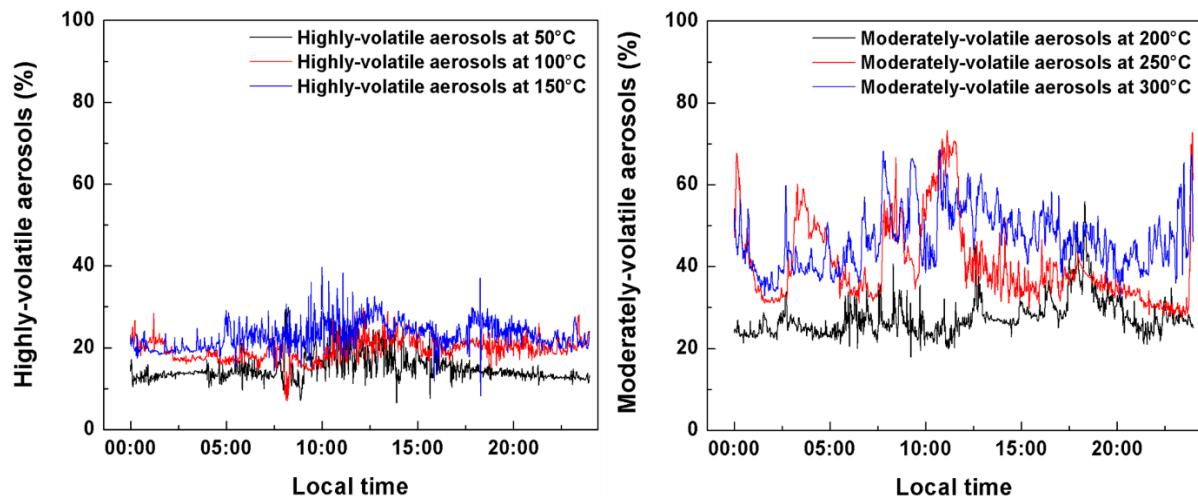
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49 **Fig. S3.** Diurnal variation of highly-volatile and moderately volatile aerosols.

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