

Supplementary material of:

Optical properties of near-surface urban aerosols and their chemical tracing in a Mediterranean city (Athens)

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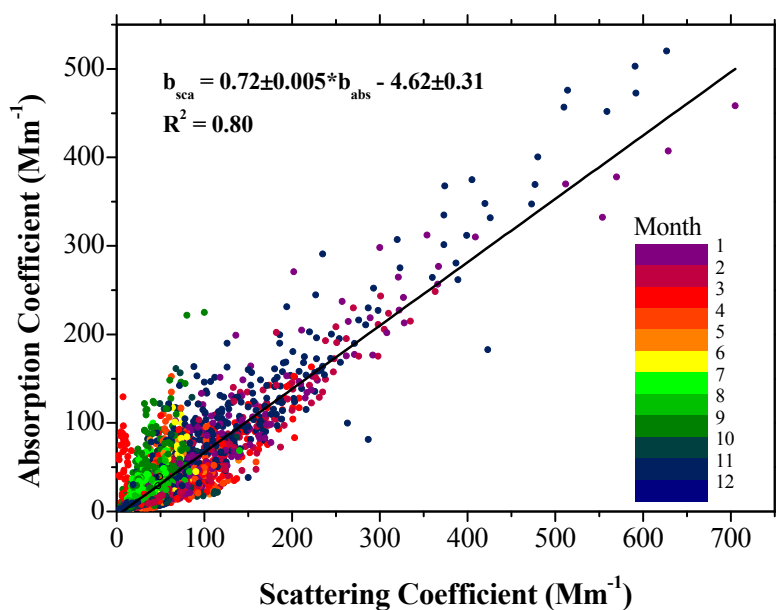
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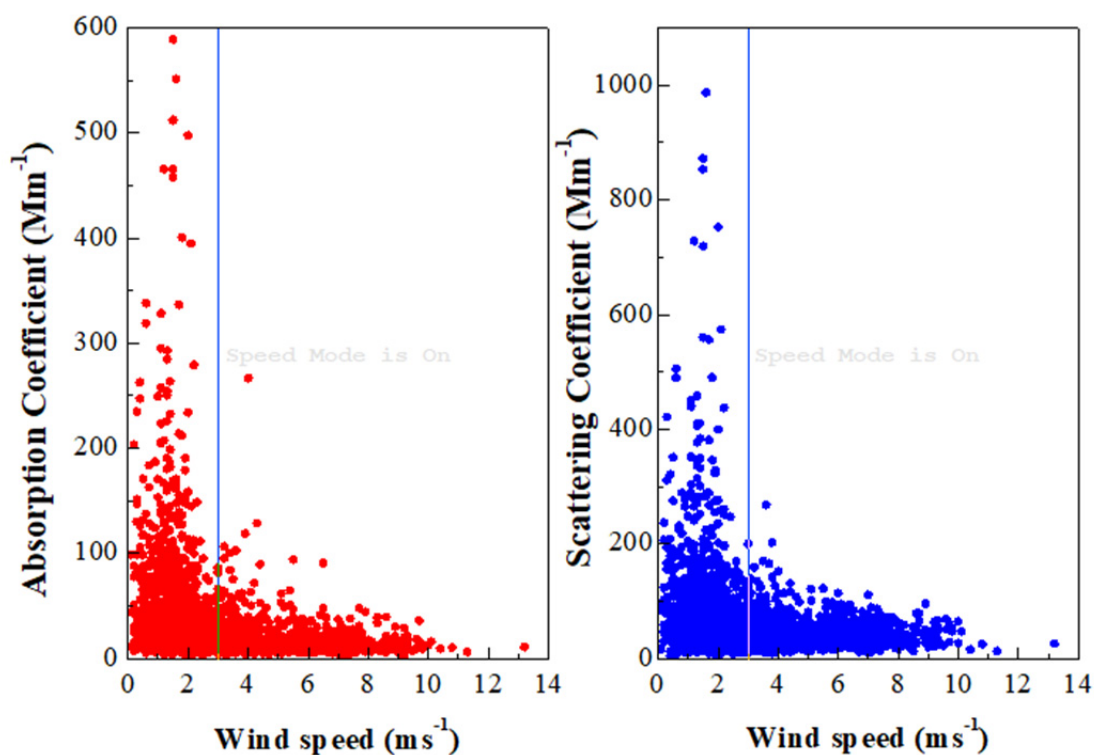
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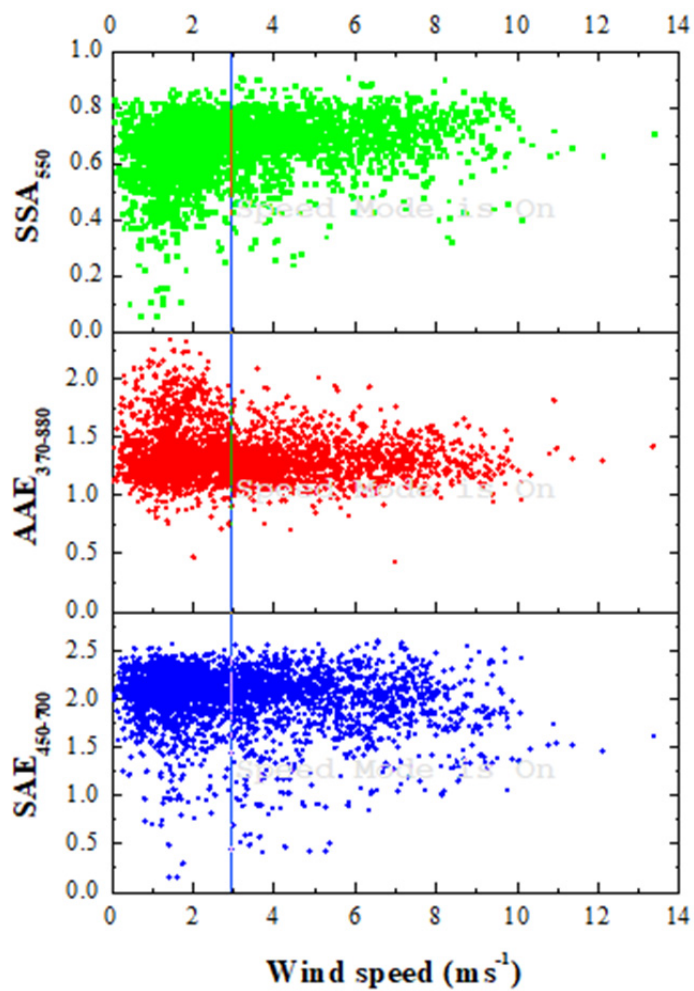
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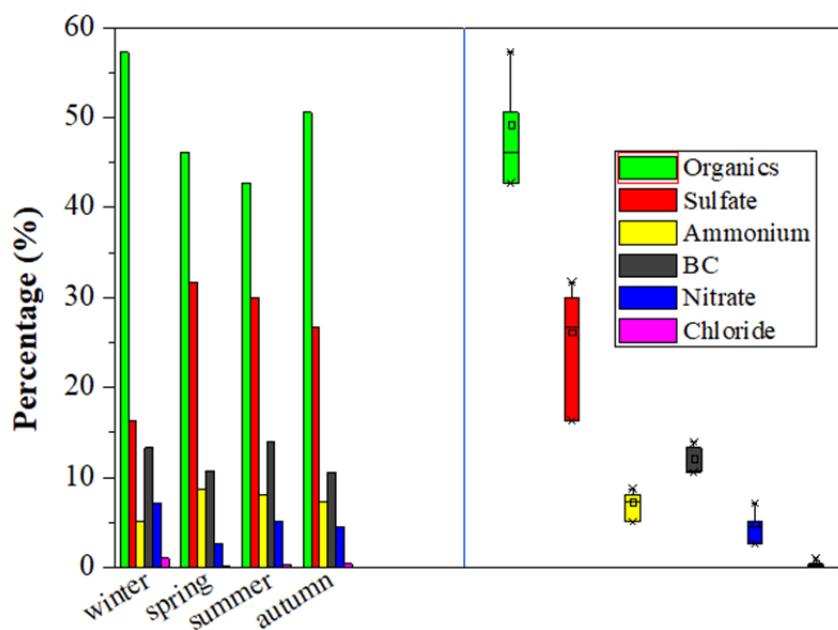
Supplementary Figure S1: Scatter plot between the hourly b_{sca} (550 nm) and b_{abs} (520 nm) values in Athens during October 2016 – September 2017. The colored scale corresponds to the months.



Supplementary Figure S2: Wind speed vs scattering (at 550 nm) and absorption (at 520 nm) coefficients on hourly basis in Athens during October 2016 – September 2017. The threshold of 3 ms^{-1} is defined by the vertical blue line.



Supplementary Figure S3: Wind speed vs SAE₄₅₀₋₇₀₀, AAE₃₇₀₋₈₈₀ and SSA₅₅₀ on hourly basis in Athens during October 2016 – September 2017. The threshold of 3 ms⁻¹ is defined by the vertical blue line.



Supplementary Figure S4: Seasonal percentage (%) contribution of each chemical component to the PM₁ mass measured via ACSM at Thissio, Athens during October 2016 – September 2017. **The right part of the graph (floating bars) shows the contribution of each chemical component in box-whisker chart view.** Within the boxes, the line corresponds to the median and the square to the mean contribution.