



Supplement of

Measurement report: An exploratory study of fluorescence and cloud condensation nuclei activity of urban aerosols in San Juan, Puerto Rico

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Fig. S1. Sampling efficiency curves plotted for each of the sensors (e.g., WIBS, CCN counter and CPC)
attached to the sampling line.





- Fig. S2. These time series show the particle size distributions of all seven types (i.e., (a)A, (b)B, (c)C, (d)AB,
- (e)AC, (f)BC, and (g)ABC) of FAP during the study period. Note that the color scales are logarithmic and cover different concentration ranges for each FAP type.





14 Fig. S3. These time series over the seven days of the project show the asphericity size distributions of FAP

15 types (a) AB, (b) AC, (c) ABC, and (d) non-FAP of fluorescent particles during the entire study period.



16

17 Fig. S4. HYSPLIT air mass back trajectories drawn for each measurement day starting from DOY 259 to



19 along the path of trajectories.



Fig. S5. Time series of (a) Temperature (°C) and relative humidity (%) and (b) wind speed (m/s), wind direction (Degree) and precipitation (inches).

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