Estimating Hourly Concentrations of $PM_{2.5}$ across a Metropolitan Area Using Low-Cost Particle Monitors

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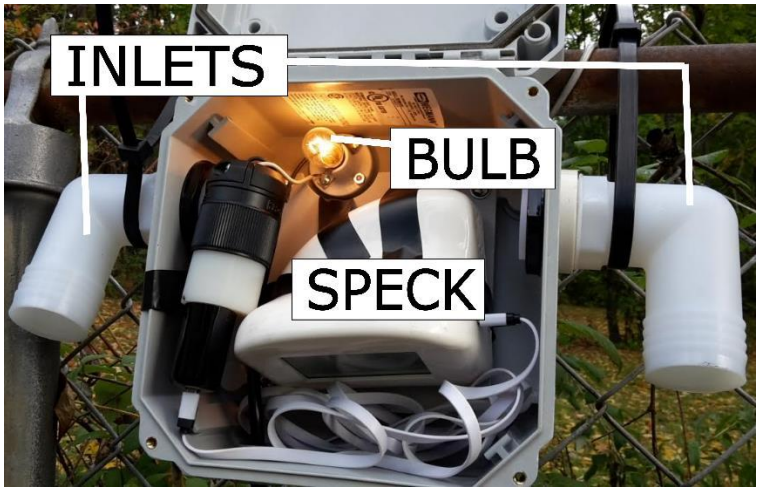

Figure S1. Inside of outdoor housing for Speck monitor with labeled inlets, Speck monitor, and a bulb for heating.

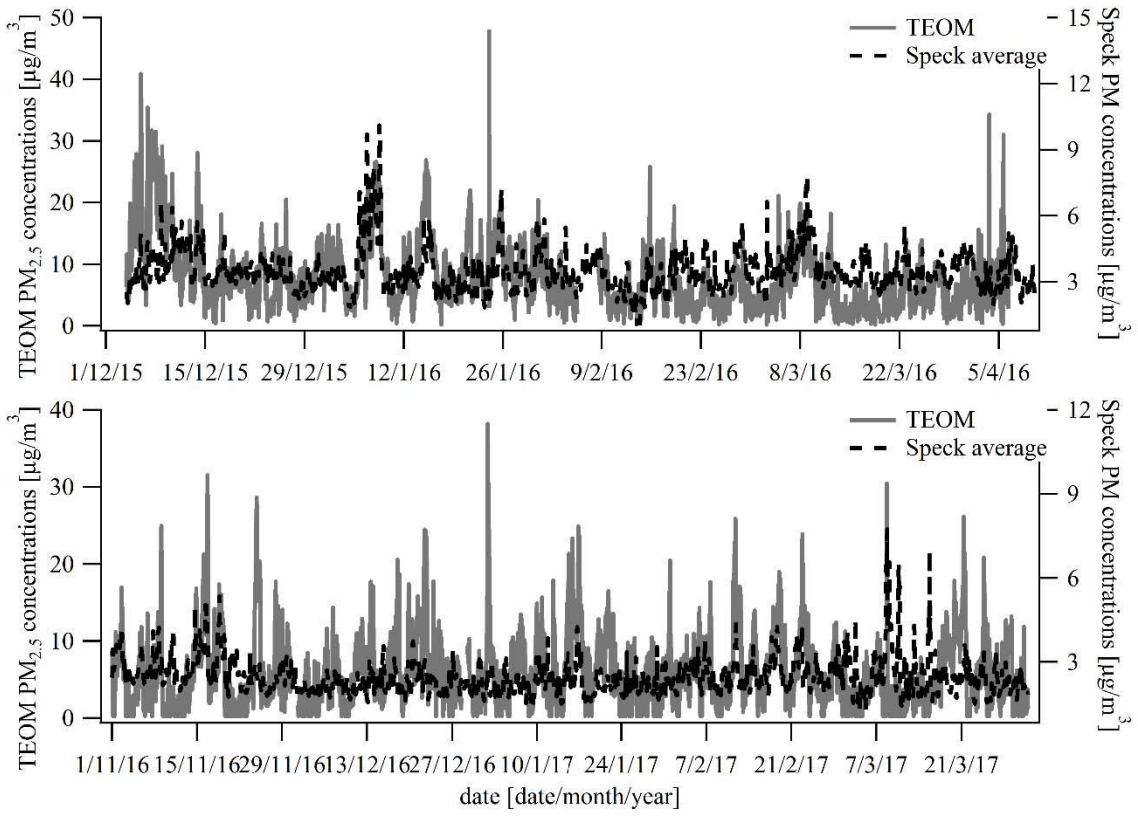

Figure S2. Top: Hourly TEOM $PM_{2.5}$ concentrations from the Rochester DEC site, and mean PM concentrations as measured by Speck monitors during the first season. Bottom: The same for the second season.

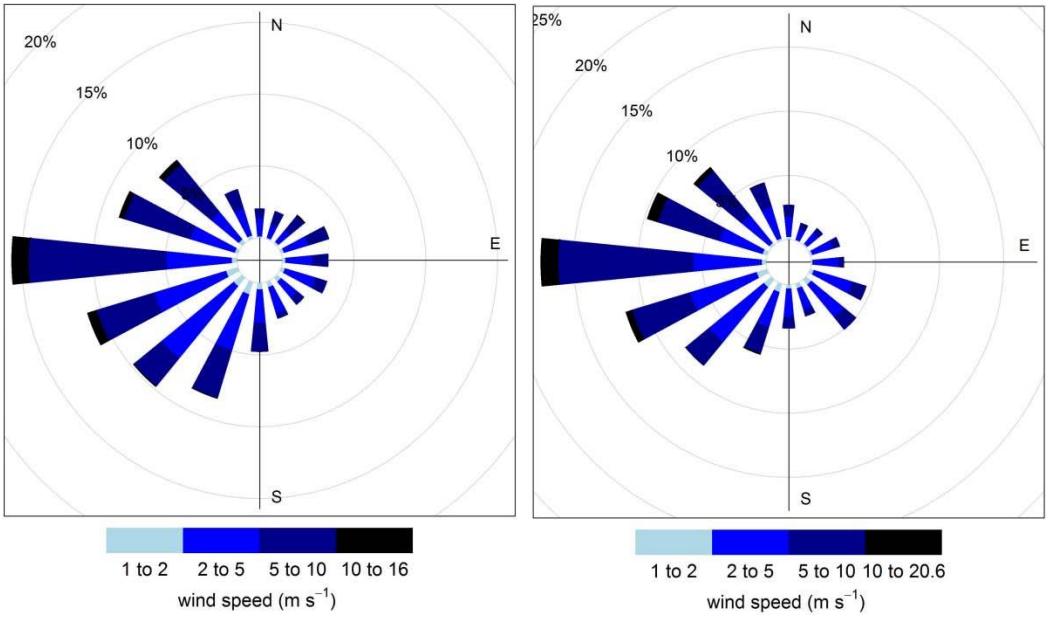

Figure S3. Wind roses from hourly data from the first (left) and second (right) season.

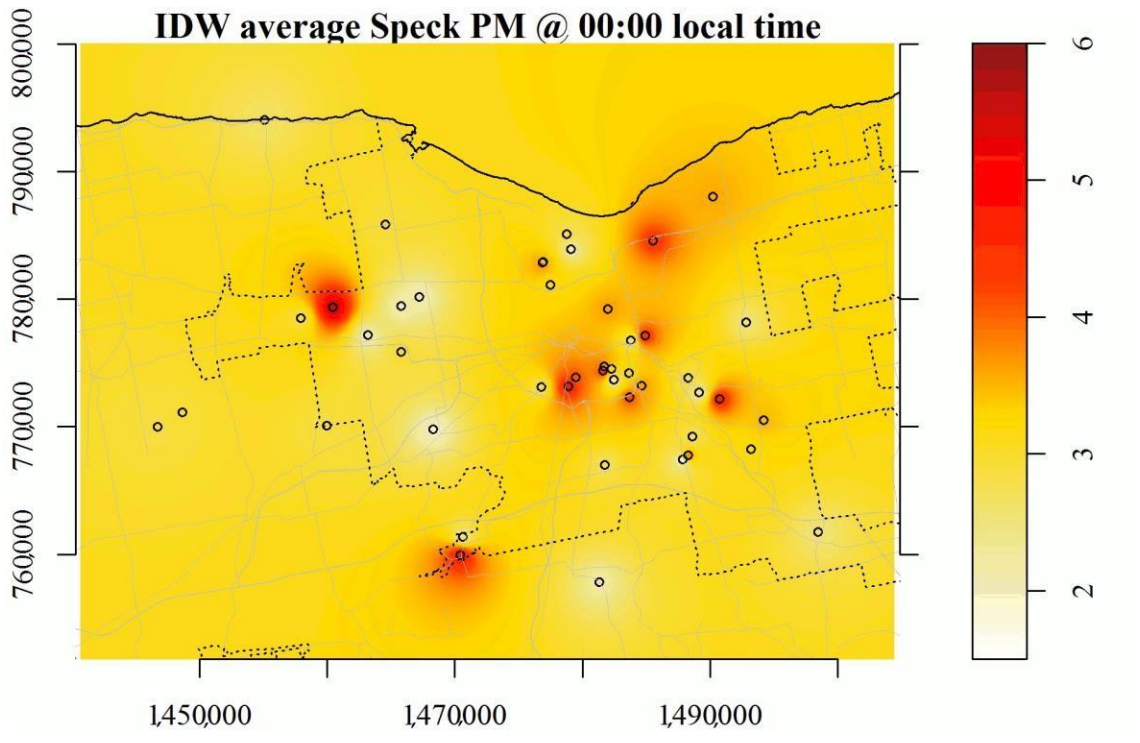

Figure S4. Hourly IDW spatial interpolations of the PM concentrations across the county calculated from two measurement seasons.

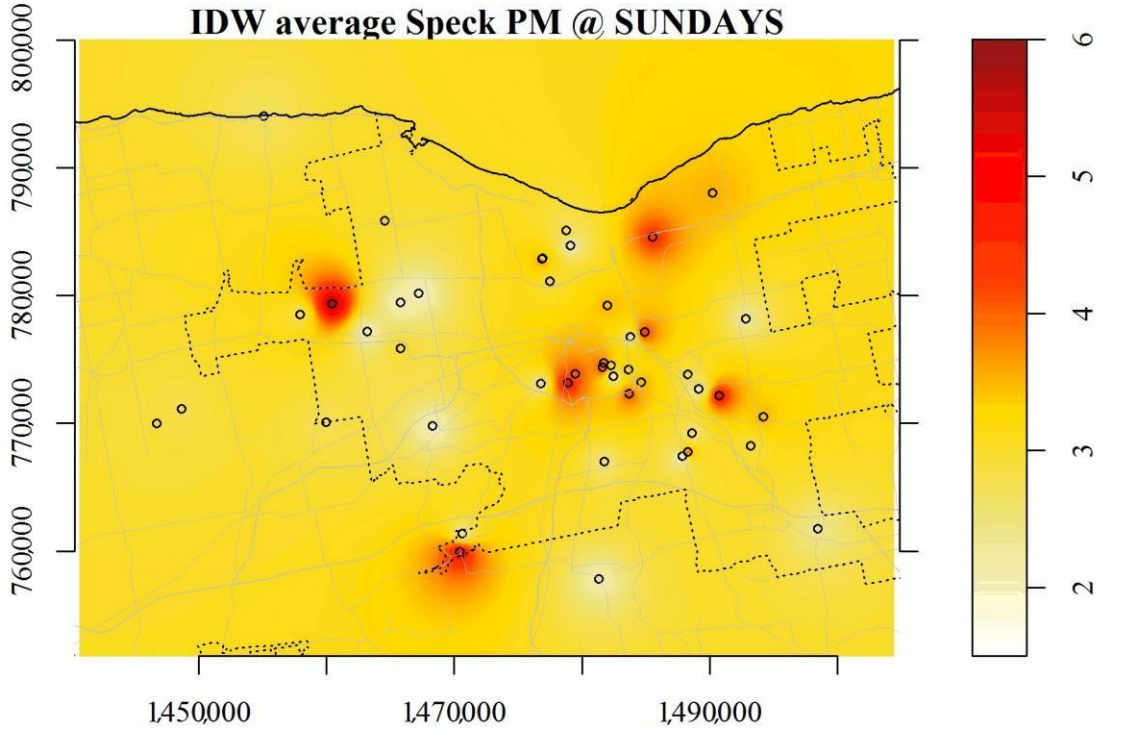

Figure S5. Daily IDW spatial interpolations of the PM concentrations across the county calculated from two measurement seasons.

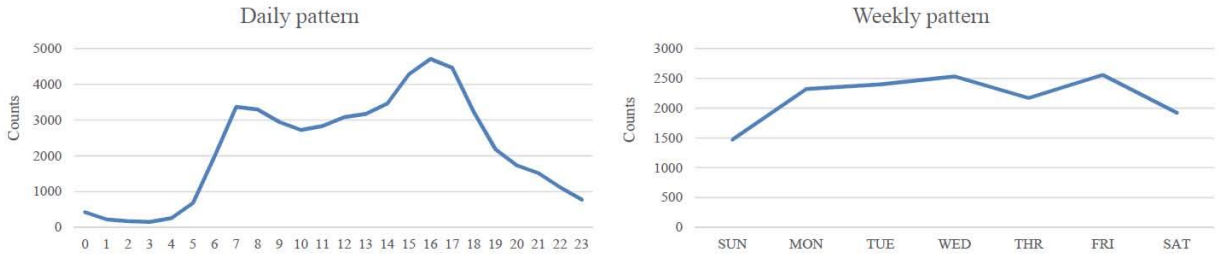

Figure S6. Daily and weekly patters of road traffic measured on a major road in Rochester between December 2015 and January 2016. Data provided by DoT.