

SYNTHESIS OF THE SOUTHEAST ATMOSPHERE STUDIES

Investigating Fundamental Atmospheric Chemistry Questions

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This document is a supplement to "Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions," Annmarie G. Carlton, Joost de Gouw, Jose L. Jimenez, Jesse L. Ambrose, Alexis R. Attwood, Steven Brown, Kirk R. Baker, Charles Brock, Ronald C. Cohen, Sylvia Edgerton, Caroline Farkas, Delphine Farmer, Allen H. Goldstein, Lynne Gratz, Alex Guenther, Sherri Hunt, Lyatt Jaeglé, Daniel A. Jaffe, John Mak, Crystal McClure, Athanasios Nenes, Thien Khoi Nguyen, Jeffrey R. Pierce, Suzanne de Sa, Noelle E. Selin, Viral Shah, Stephanie Shaw, Paul B. Shepson, Shaojie Song, Jochen Stutz, Jason Surratt, Barbara J. Turpin, Carsten Warneke, Rebecca A. Washenfelder, Paul O. Wennberg, and Xianling Zhou (Bull. Amer. Meteor. Soc., 99, xxx–xxx) • ©2018 American Meteorological Society • Corresponding author: Annmarie G. Carlton, agcarlto@uci.edu • DOI:10.1175/BAMS-D-16-0048.2

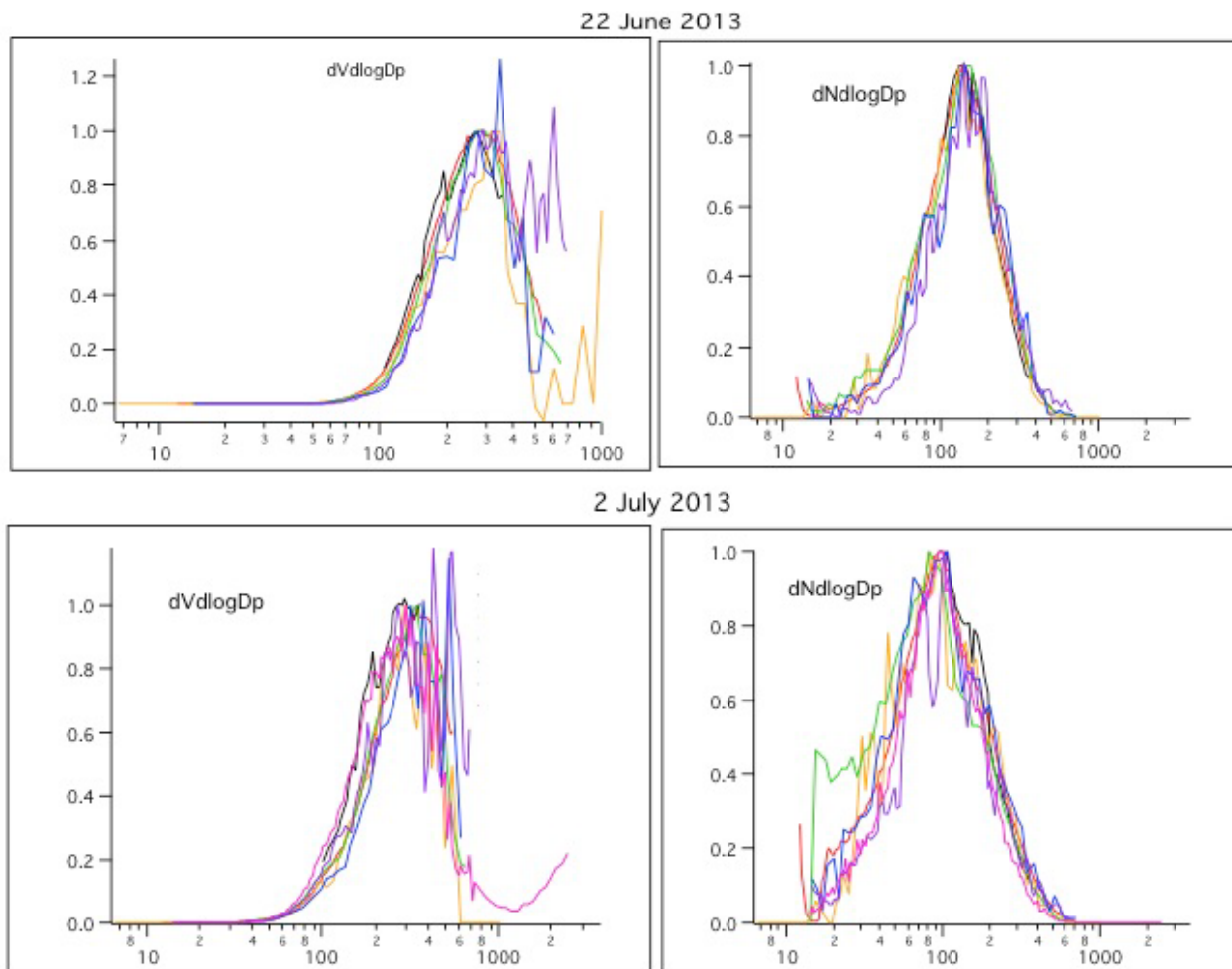


FIG. ES1. Intercomparison of size distribution measurements during the intensive sampling period at the Centreville site, for quality-control purposes. (left) Volume distributions. (right) Number distributions. (top) Ambient measurements taken on 22 Jun 2013. (bottom) Measurements taken on 2 Jul 2013. All measurements were taken using scanning mobility particle sizers.

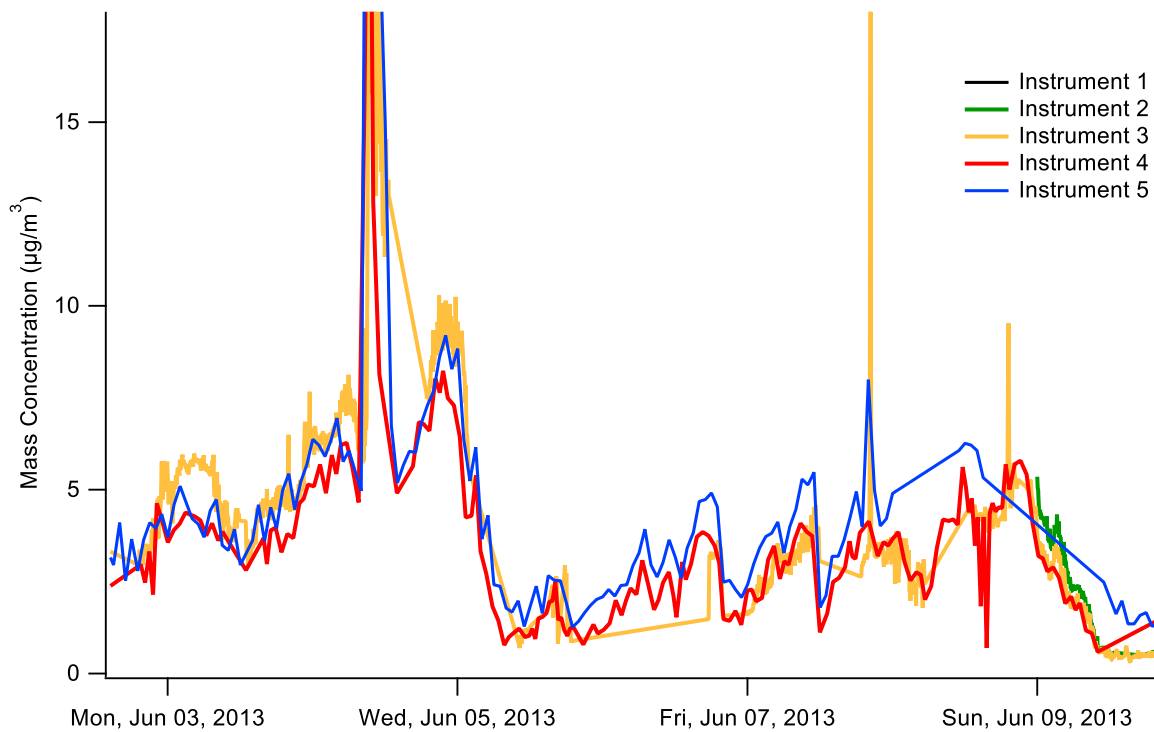


FIG. ES2. Intercomparison of organic aerosol mass concentration measurements during the intensive sampling period at the Centreville site, for quality-control purposes. The instruments compared include three aerosol mass spectrometers, one thermal-optical instrument (Sunset), and one aerosol chemical speciation monitor.

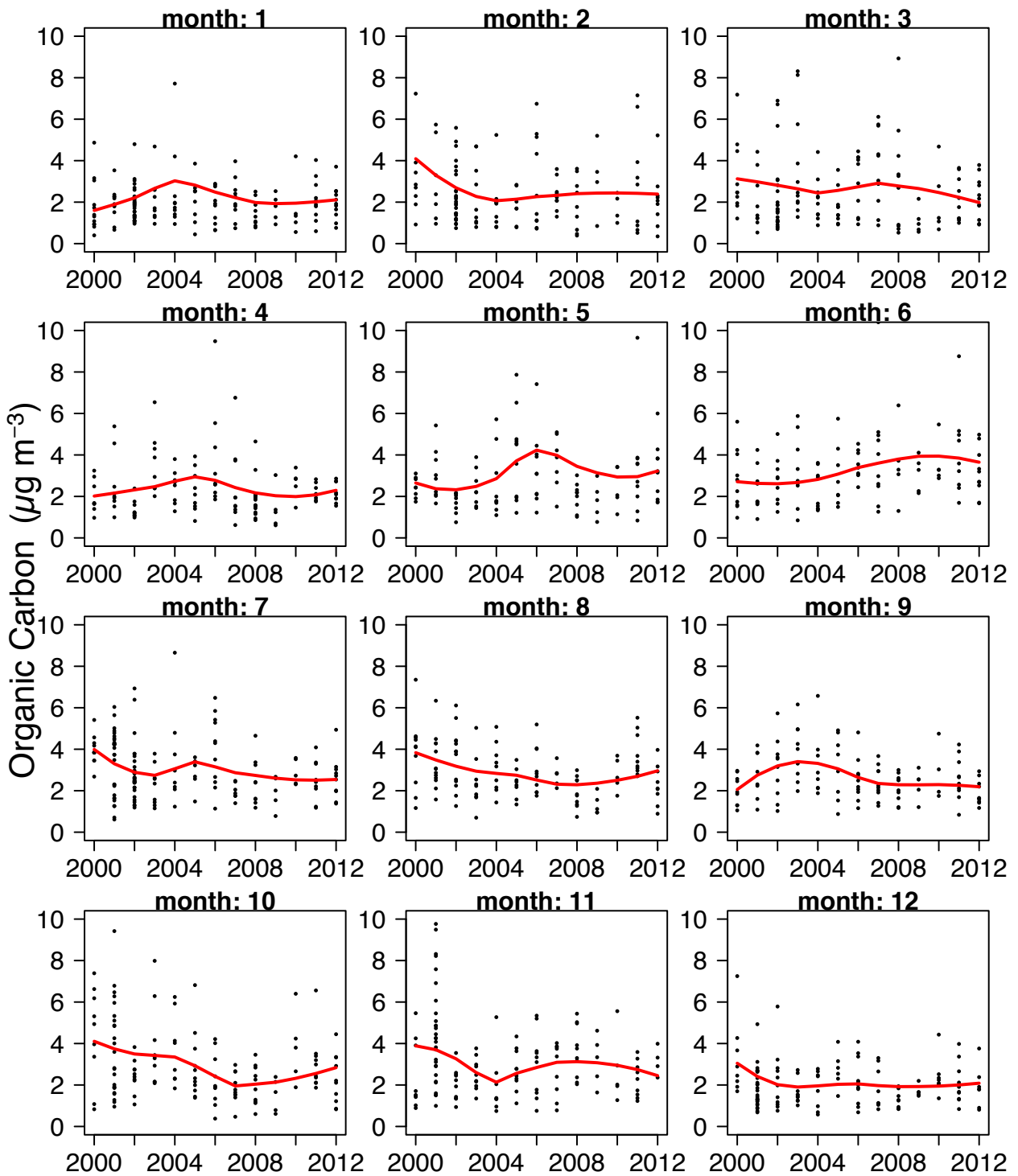


Fig. ES3. Monthly trends in organic carbon at the Centreville site from 2000 to 2012. Black dots indicate individual measurement values within each month. The red line indicates the local regression best fit calculated using the loess function in R (<https://www.r-project.org/>).