

Supplementary material

Variations of Black Carbon Concentrations in Two Sites in Mexico: A High-Altitude National Park and a Semi-Urban Site

Martha Leyte-Lugo ¹, Bruno Sandoval ², Dara Salcedo ³, Oscar Peralta ⁴, Telma Castro ⁴ and Harry Alvarez-Ospina ^{2,*}

¹ Catedrático CONACYT Comisionado a Departamento de Sistemas Biológicos, División de Ciencias Biológicas y de la Salud, Universidad Autónoma Metropolitana-Xochimilco (UAM-X), Mexico City 04960, Mexico; mleyte@correo.xoc.uam.mx

² Facultad de Ciencias, Universidad Nacional Autónoma de México, Mexico City 04510, Mexico; sandoval.bruno23@gmail.com

³ Unidad Multidisciplinaria de Docencia e Investigación-Juriquilla Facultad de Ciencias, Universidad Nacional Autónoma de México, Queretaro 76230, Mexico; dara.salcedo@ciencias.unam.mx

⁴ Instituto de Ciencias de la Atmósfera y Cambio Climático, Universidad Nacional Autónoma de México, Mexico City 04510, Mexico; oscar@atmosfera.unam.mx (O.P.); telma@atmosfera.unam.mx (T.C.)

* Correspondence: harryalvarez@ciencias.unam.mx

Table of contents

	Page
Figure S1. Average monthly profile of BC in (a) JQRO and (b) ALTZ for sampling period. The shading highlights the standard deviation.	2
Figure S2. Average monthly profile of temperature in (a) JQRO and (b) ALTZ for sampling period. The shading highlights the standard deviation.	2
Figure S3. Time series of hourly precipitation at (a) JQRO and (b) ALTZ during 2017.	3
Figure S4. Average daily profiles of the boundary layer in (a) JQRO and (b) ALTZ for the sampling period. The shading highlights the standard deviation.	4
Figure S5. Average daily profiles of BC in JQRO of the four-seasons: (a) S1; (b) S2; (c) S3; and (d) S4. The shading highlights the standard deviation.	5
Figure S6. Average daily profiles of BC in ALTZ of the four-seasons: (a) S1; (b) S2; (c) S3; and (d) S4. The shading highlights the standard deviation.	6

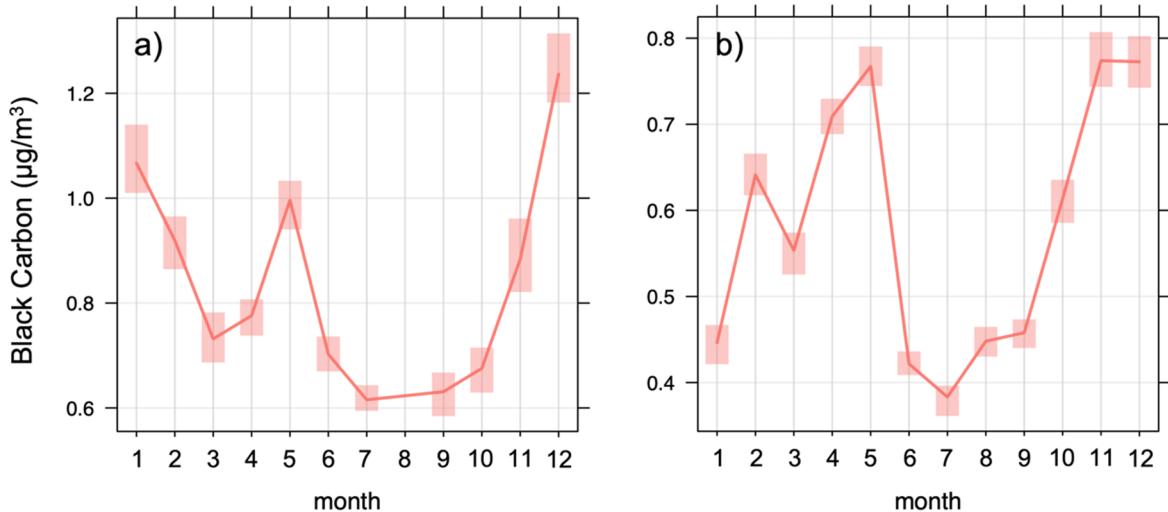


Figure S1. Average monthly profile of BC in (a) JQRO and (b) ALTZ for sampling period. The shading highlights the standard deviation.

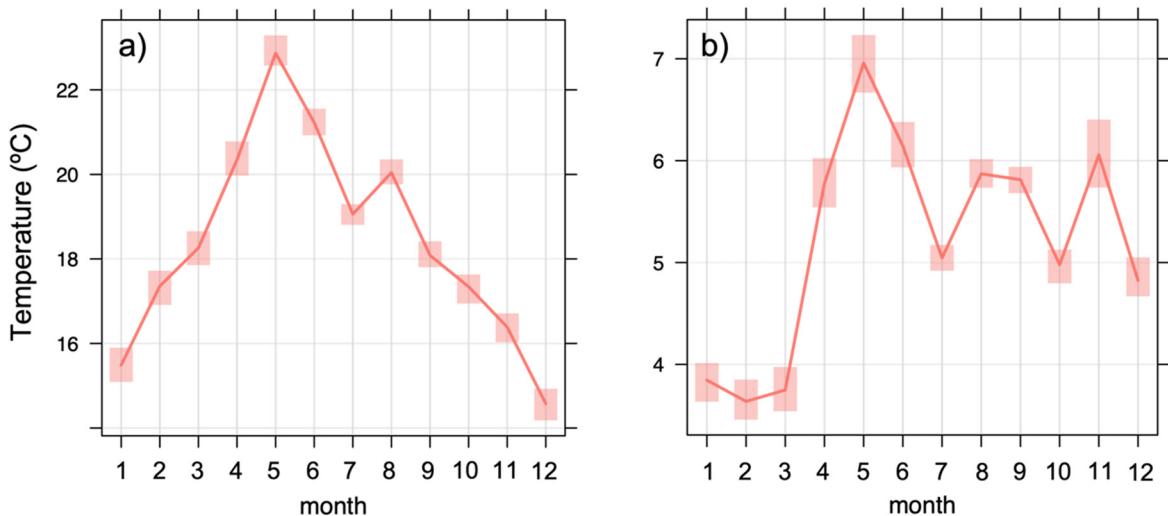


Figure S2. Average monthly profile of temperature in (a) JQRO and (b) ALTZ for sampling period. The shading highlights the standard deviation.

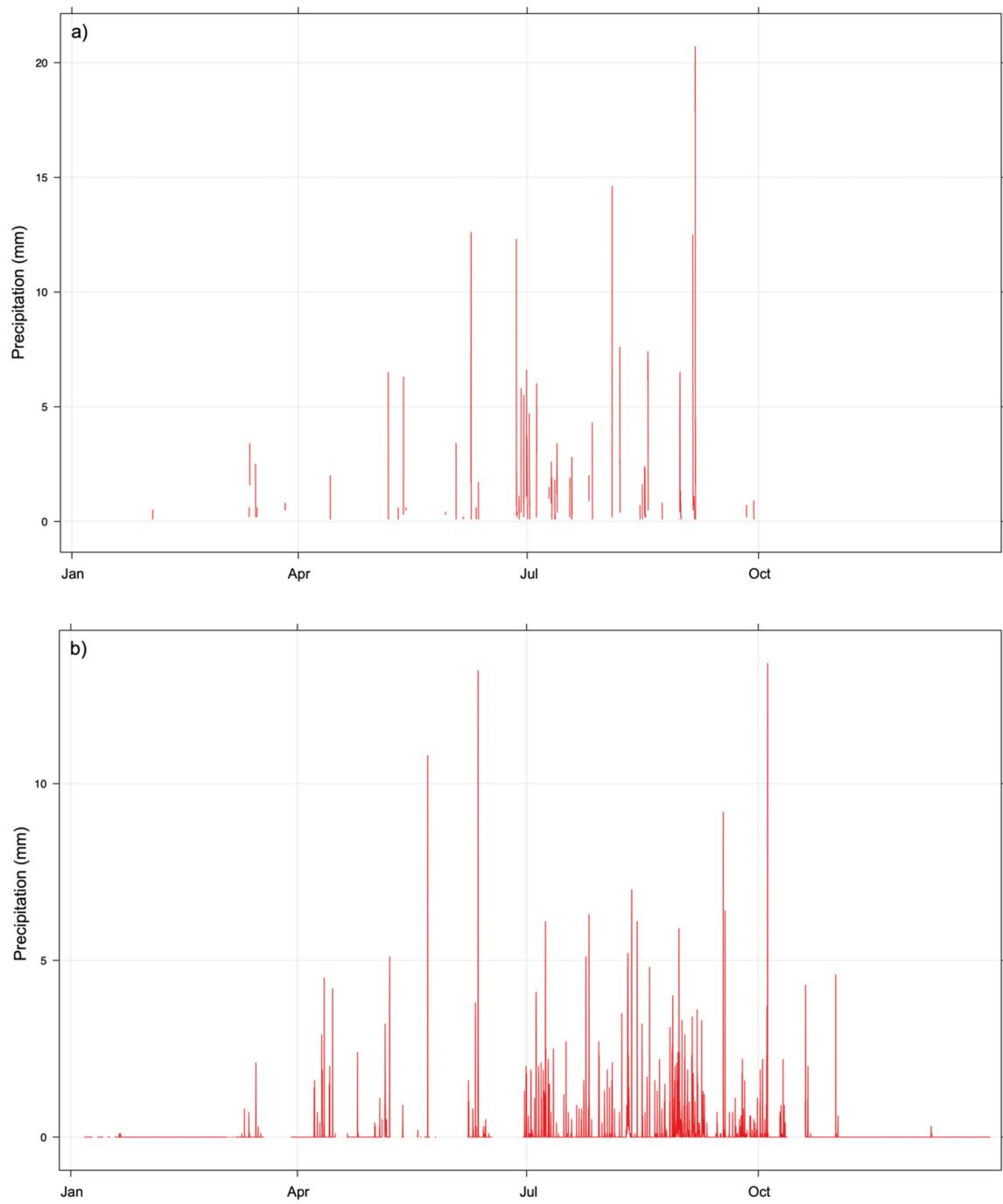


Figure S3. Time series of hourly precipitation at (a) JQRO and (b) ALTZ during 2017.

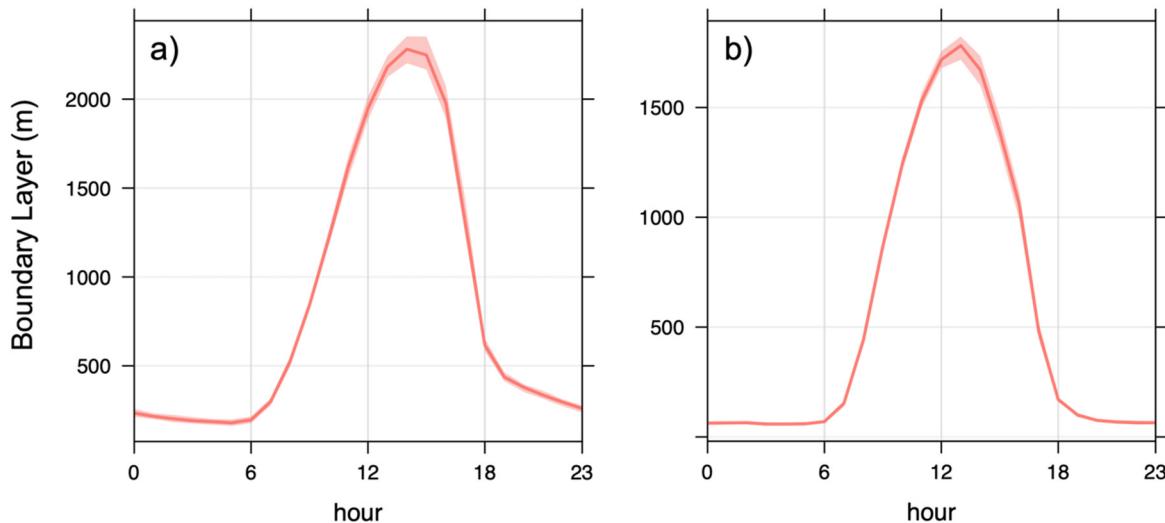


Figure S4. Average daily profiles of the boundary layer in (a) JQRO and (b) ALTZ for the sampling period. The shading highlights the standard deviation.

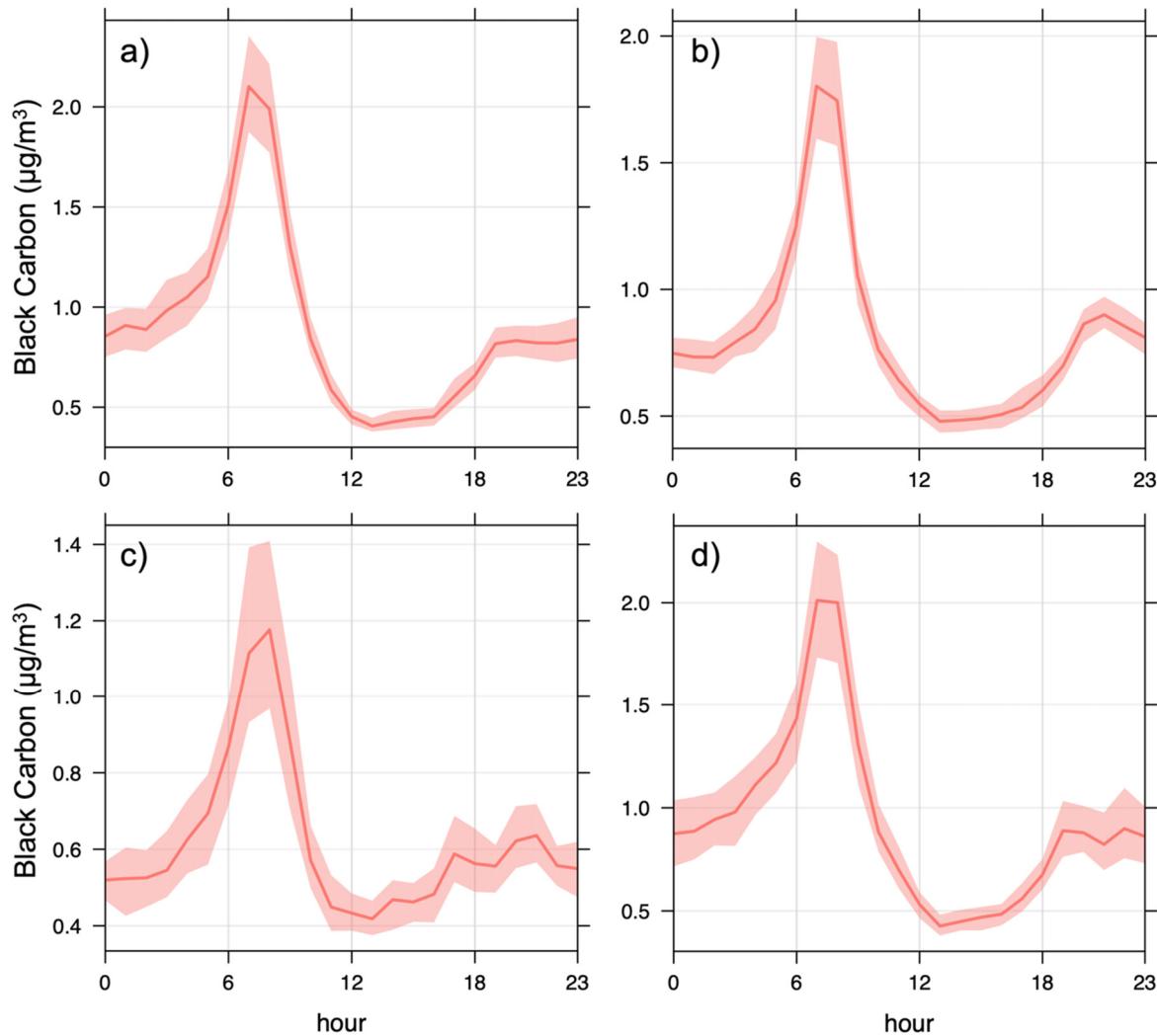


Figure S5. Average daily profiles of BC in JQRO of the four-seasons: (a) S1; (b) S2; (c) S3; and (d) S4. The shading highlights the standard deviation.

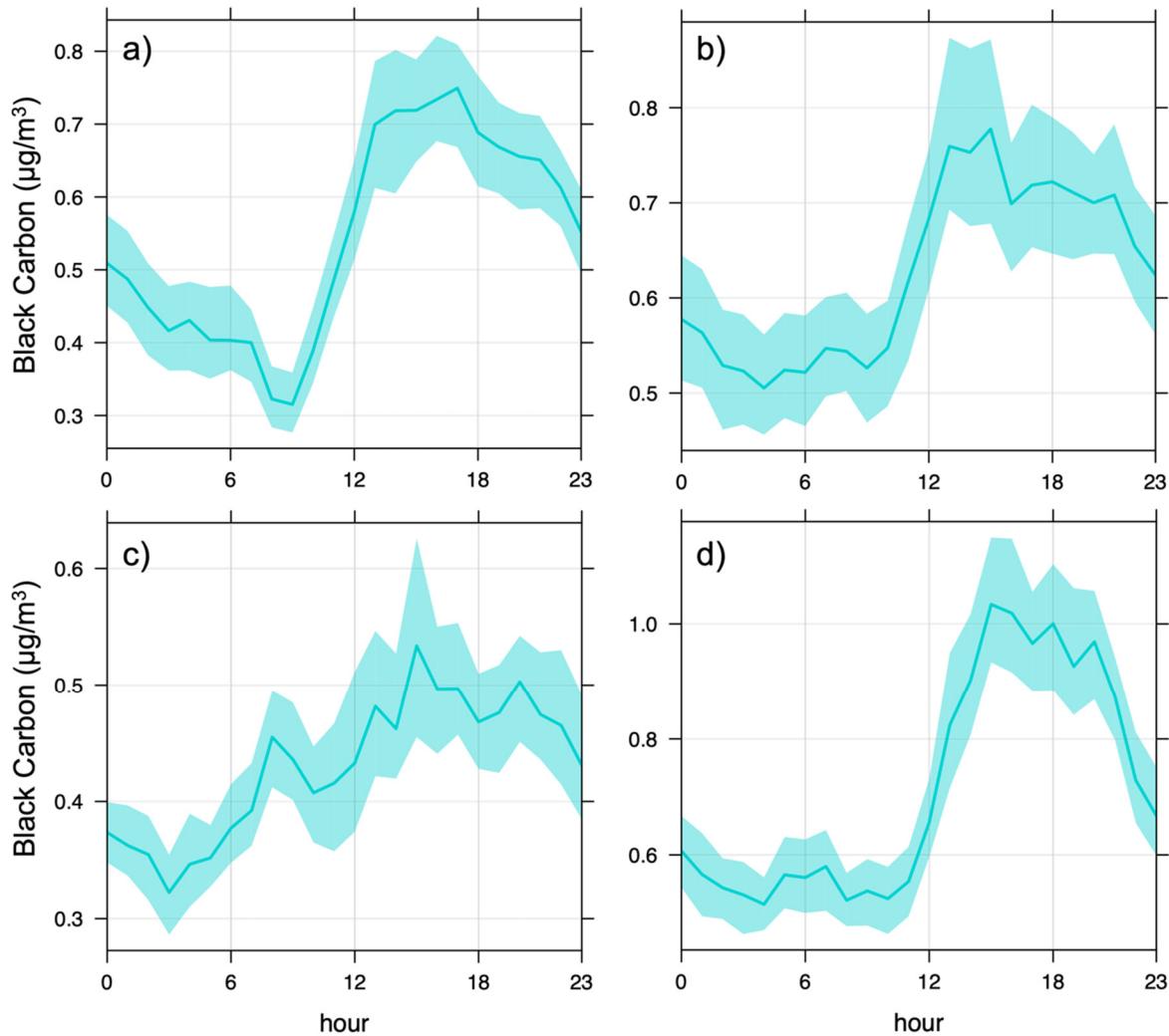


Figure S6. Average daily profiles of BC in ALTZ of the four-seasons: (a) S1; (b) S2; (c) S3; and (d) S4. The shading highlights the standard deviation.