Supplementary Information

River Breezes for Pollutant Dispersion in GoAmazon2014/5

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List of Figures

Figure S1. Comparison between observed (red) and simulated (blue) daily cycle of temperature, relative humidity, and wind speed at the T3 supersite for March 2014. Box-whisker plot represents quartiles for the box, median for the line, full range of values except outliers for the whiskers, and outliers as crosses. An outlier is defined as >1.5× of the interquartile range.

Table S1. Differences in pollutant concentration X (ppb) for the case of wR ("with rivers") compared to that of woR ("without rivers"), calculated as X_{wR} - X_{woR}, where X is the monthly mean at 00:00, 06:00, 12:00, and 18:00 (local) for each of O_3, NO_x, and CO. Results are shown for locations T3, R1, and R2.

	O_3	NO_x	CO
T3 (00:00)	+0.8	-0.4	+2.5
R1 (00:00)	+3.9	+2.3	+4.6
R2 (00:00)	+5.9	+1.9	+4.0
T3 (06:00)	0.0	-1.1	+0.8
R1 (06:00)	+3.0	+6.8	+3.8
R2 (06:00)	+4.2	+2.5	+4.1
T3 (12:00)	-2.1	-0.1	-0.2
R1 (12:00)	+11.1	+0.6	+5.4
R2 (12:00)	+12.2	+1.7	+2.6
T3 (18:00)	+2.9	+0.1	+2.4
R1 (18:00)	+3.6	+0.3	+3.0
R2 (18:00)	+2.1	0.0	+2.2

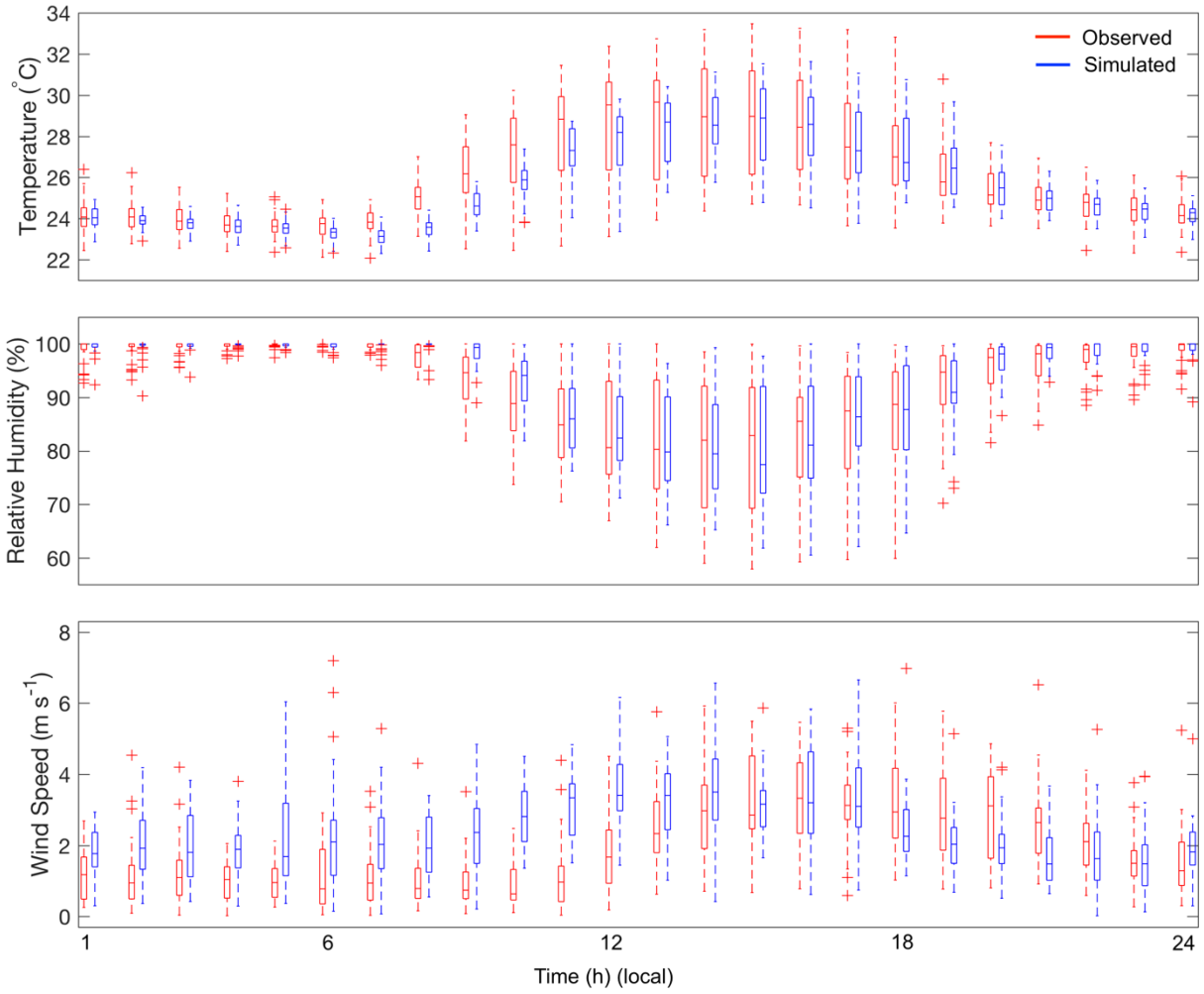
Observed
Simulated
Temperature (°C)
Relative Humidity (%)
Wind Speed (m s-1)
Time (h) (local)
1
6
12
18
24

Figure S1