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Supplementary information

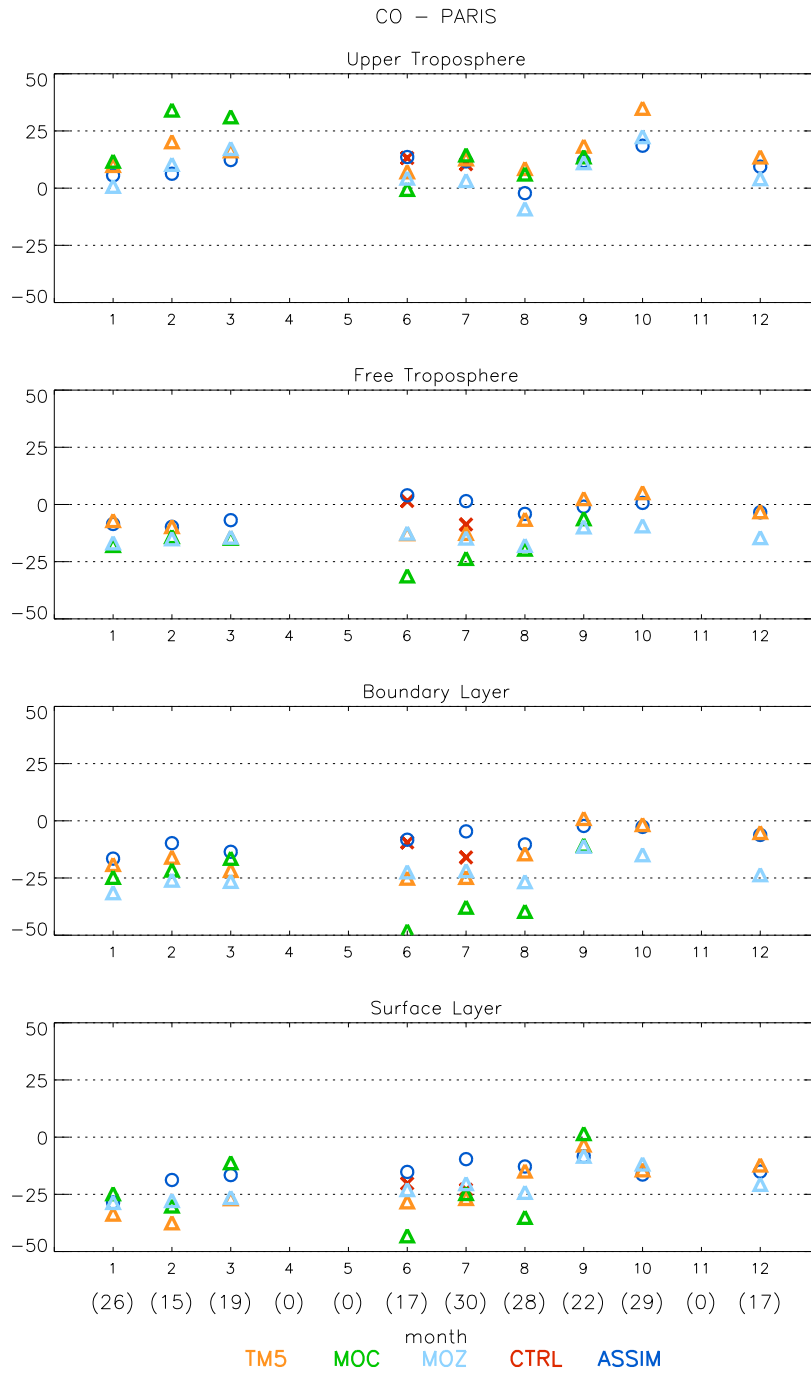


Figure 1. Monthly Modified Normalized Mean Bias (MNMB) based on daily averaged profiles over Paris. The numbers in parenthesis at the bottom of the graph represent the number of days with available profiles.

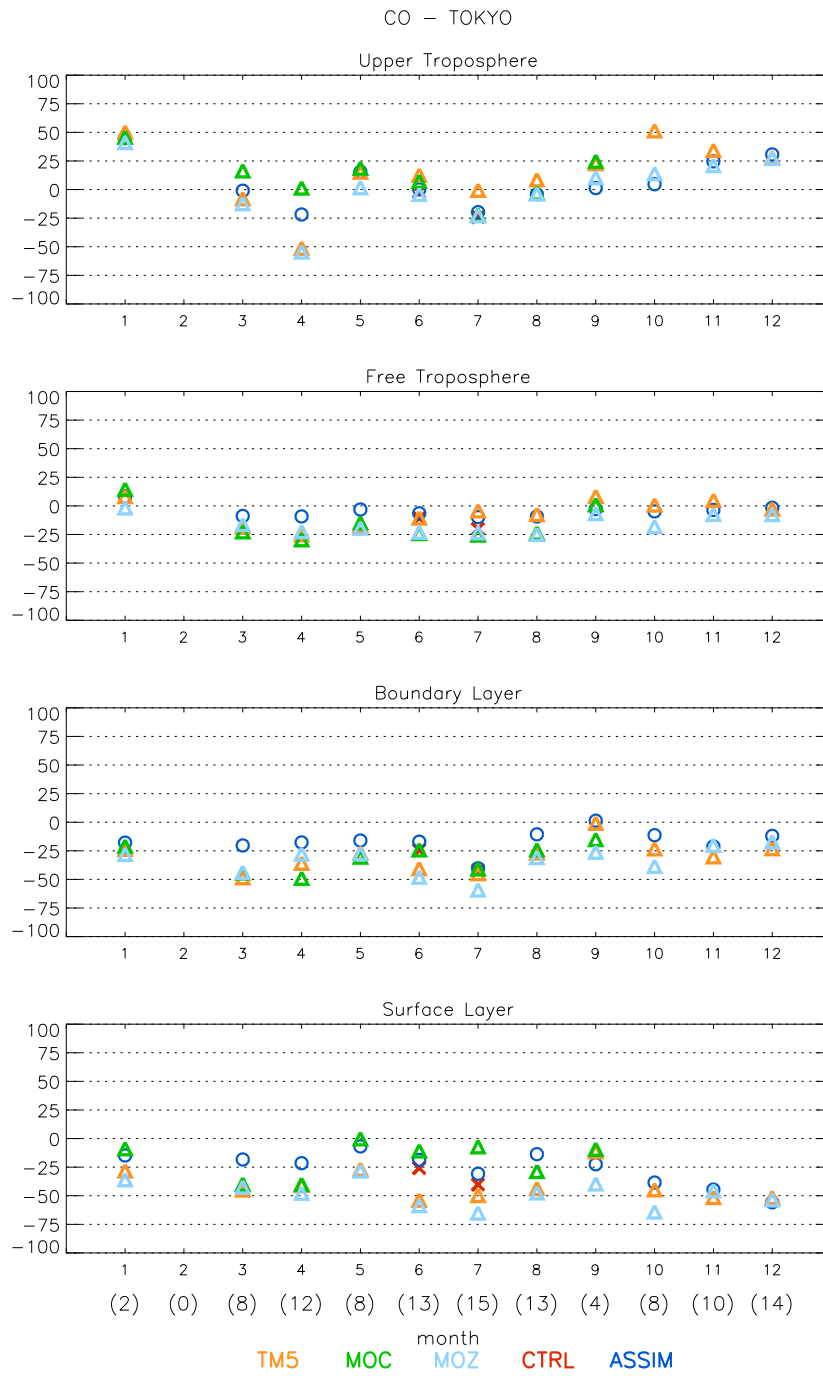


Figure 2. Same as Figure 1 except over Tokyo

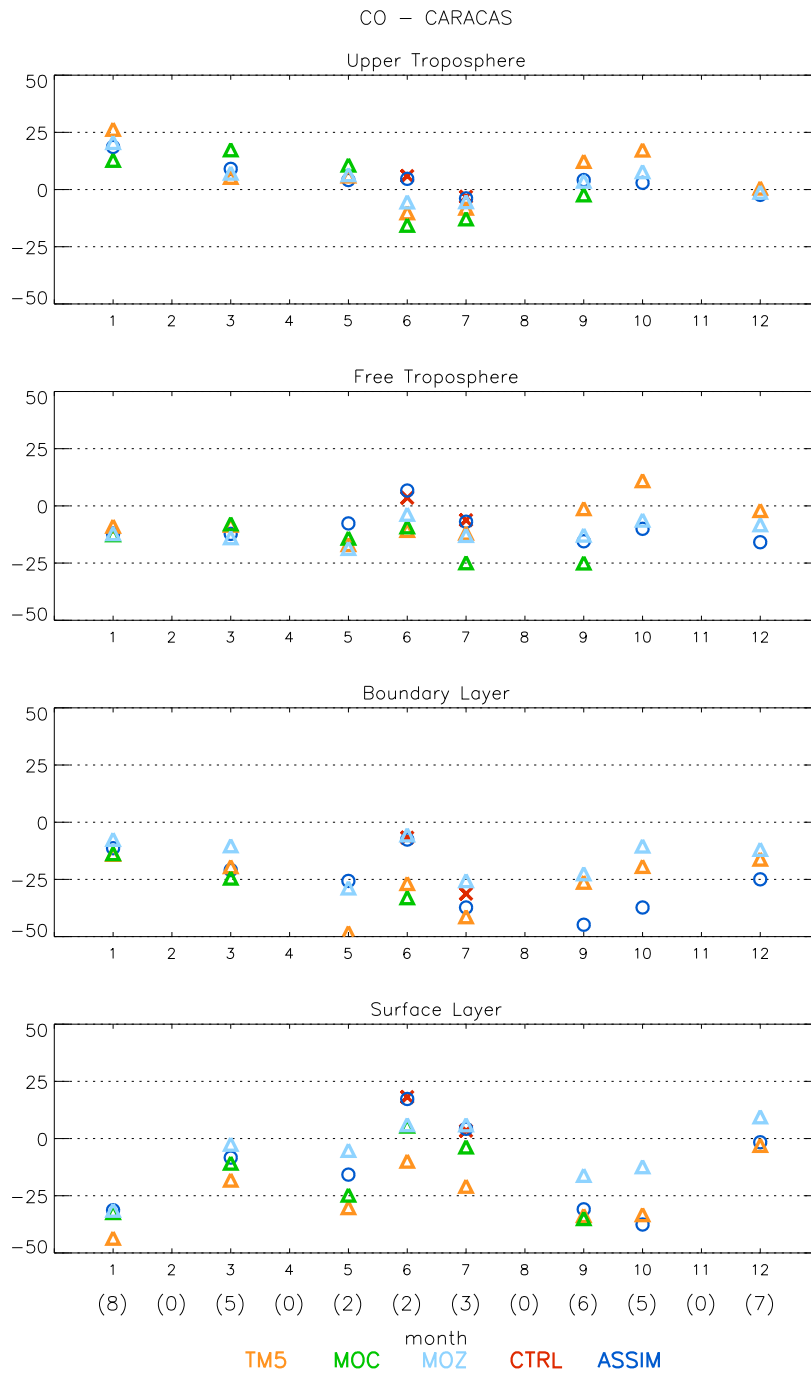


Figure 3. Same as Figure 1 except over Caracas.

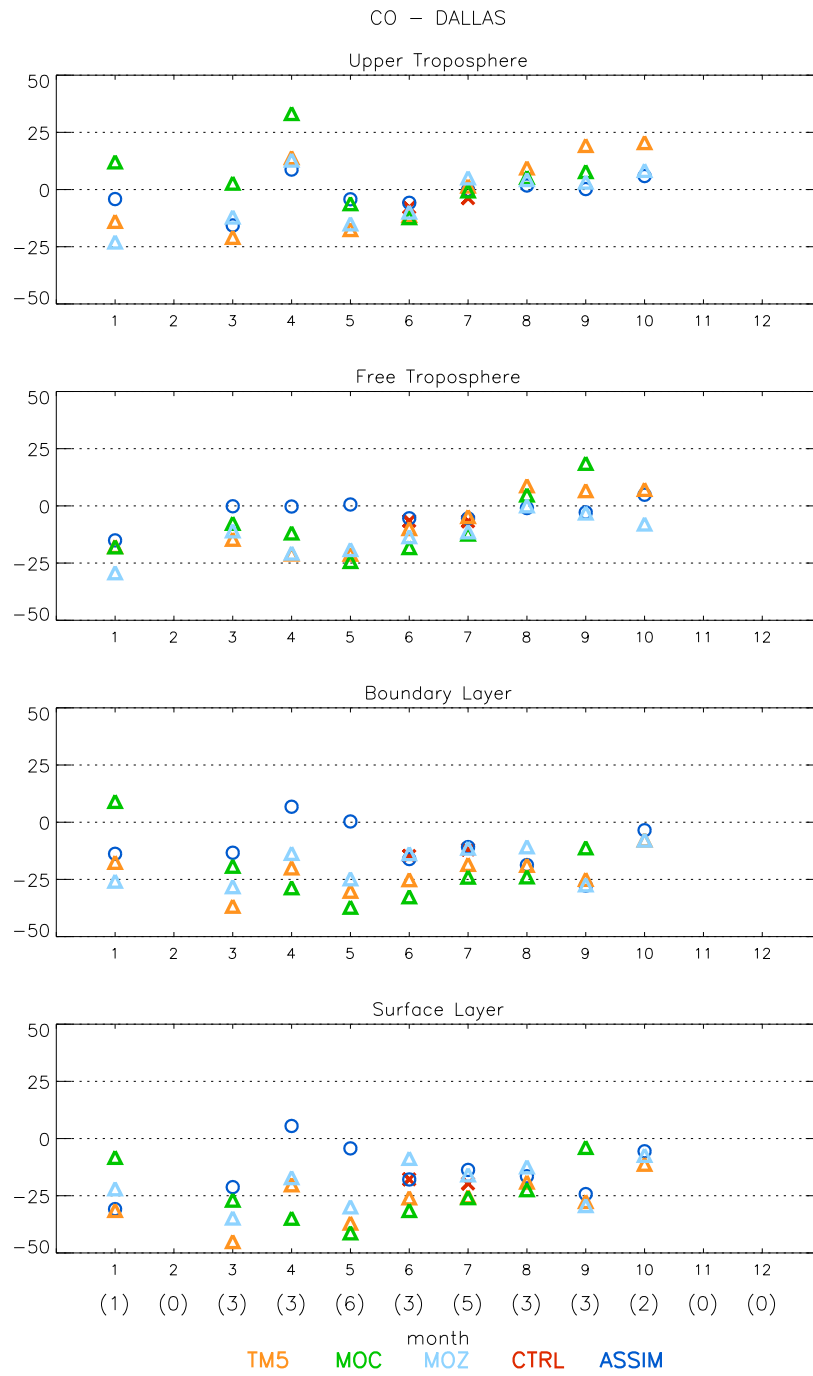


Figure 4. Same as Figure 1 except over Dallas

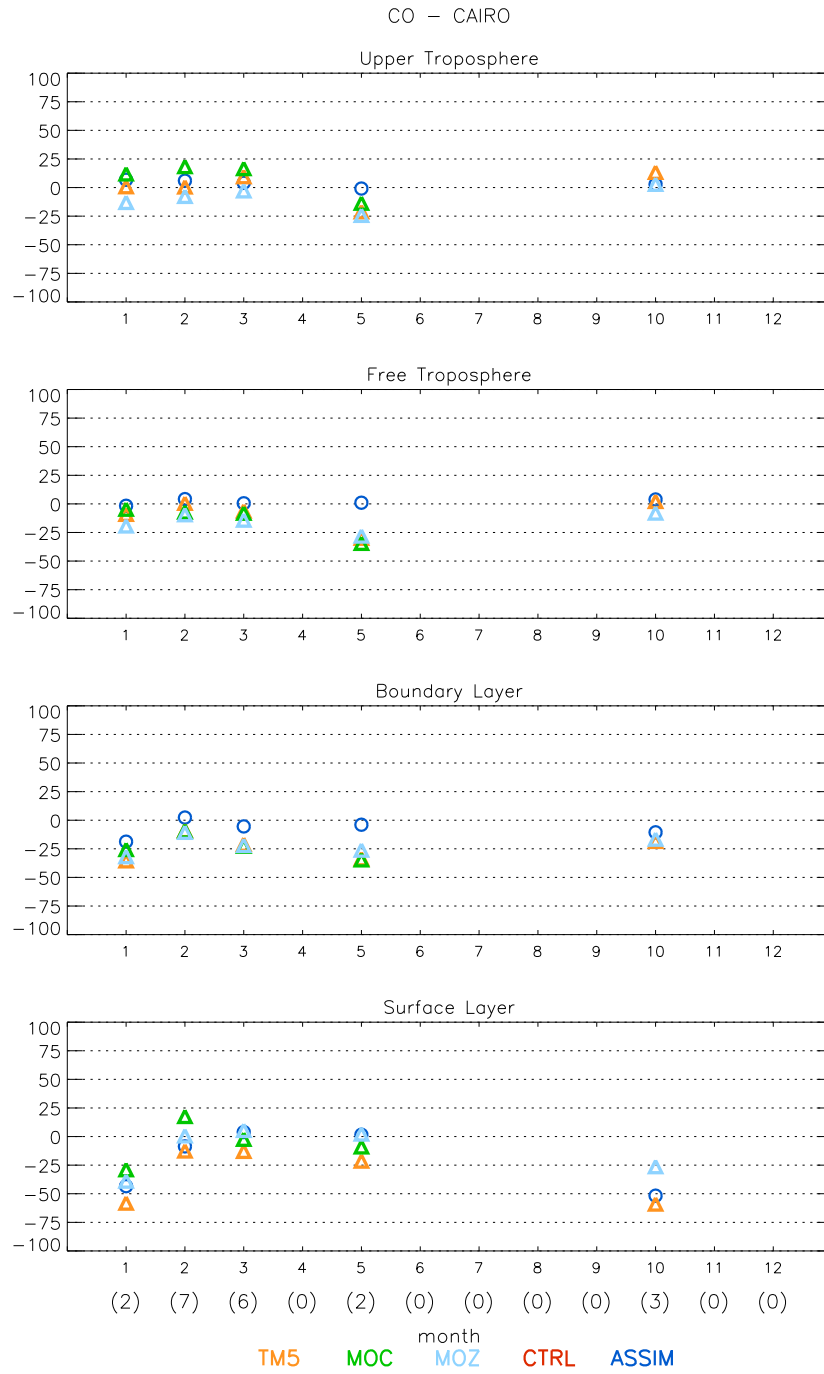


Figure 5. Same as Figure 1 except over Cairo

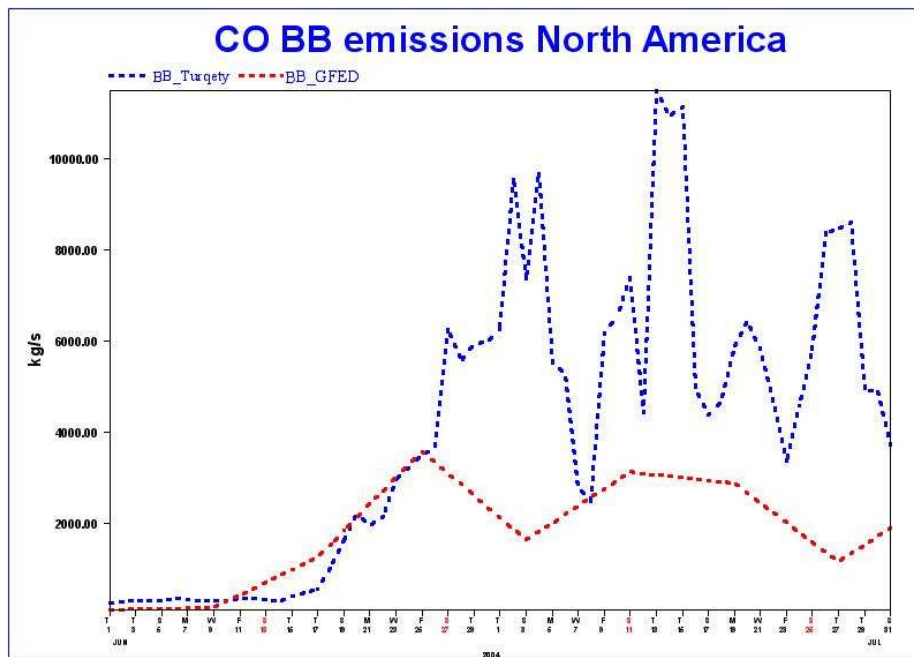


Figure 6. North American biomass burning CO emissions during June and July 2004 from the Turquety and GFED datasets.