



*Supplement of*

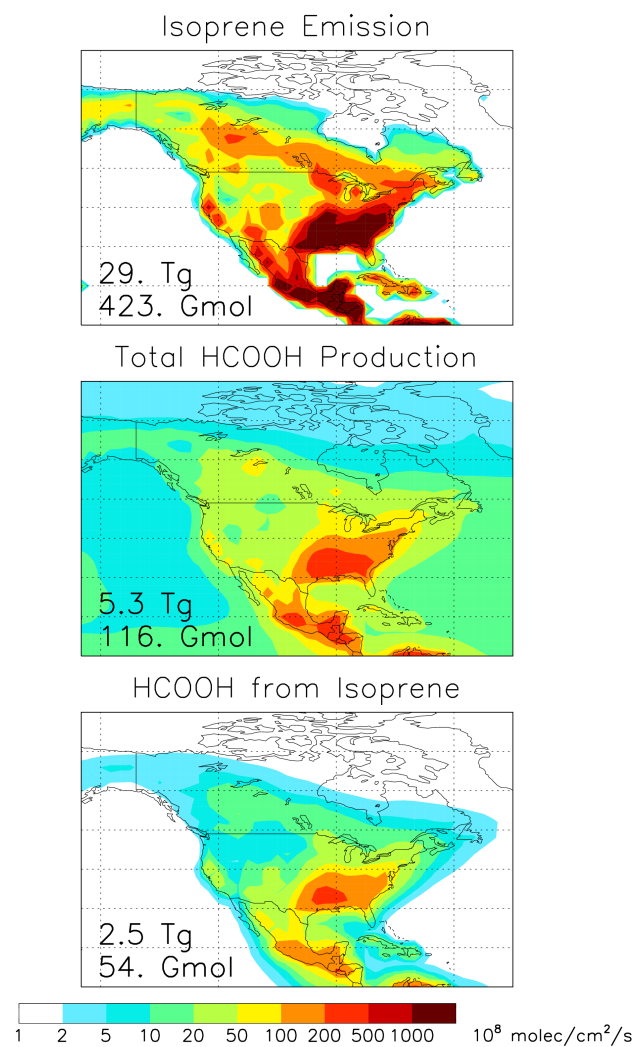
## **A large and ubiquitous source of atmospheric formic acid**

**D. B. Millet et al.**

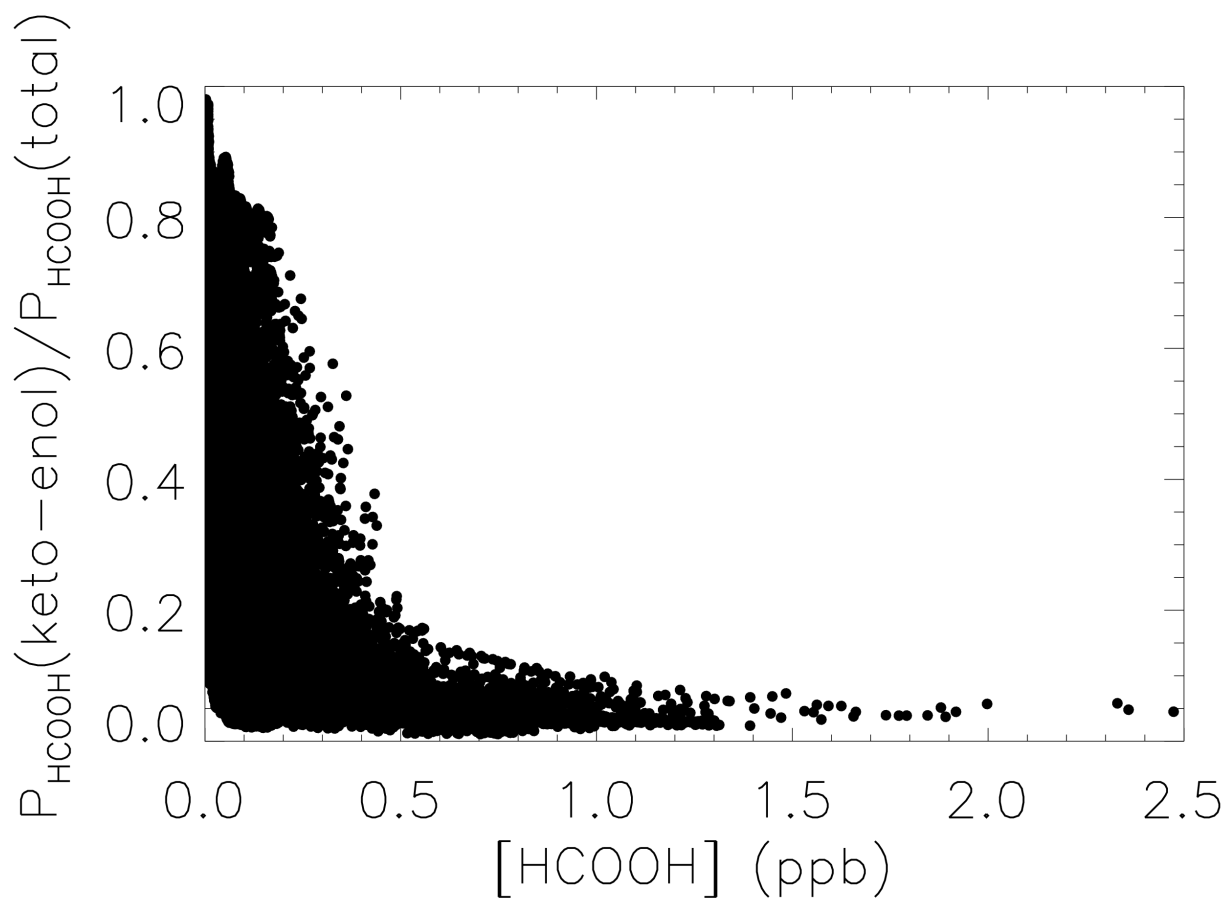
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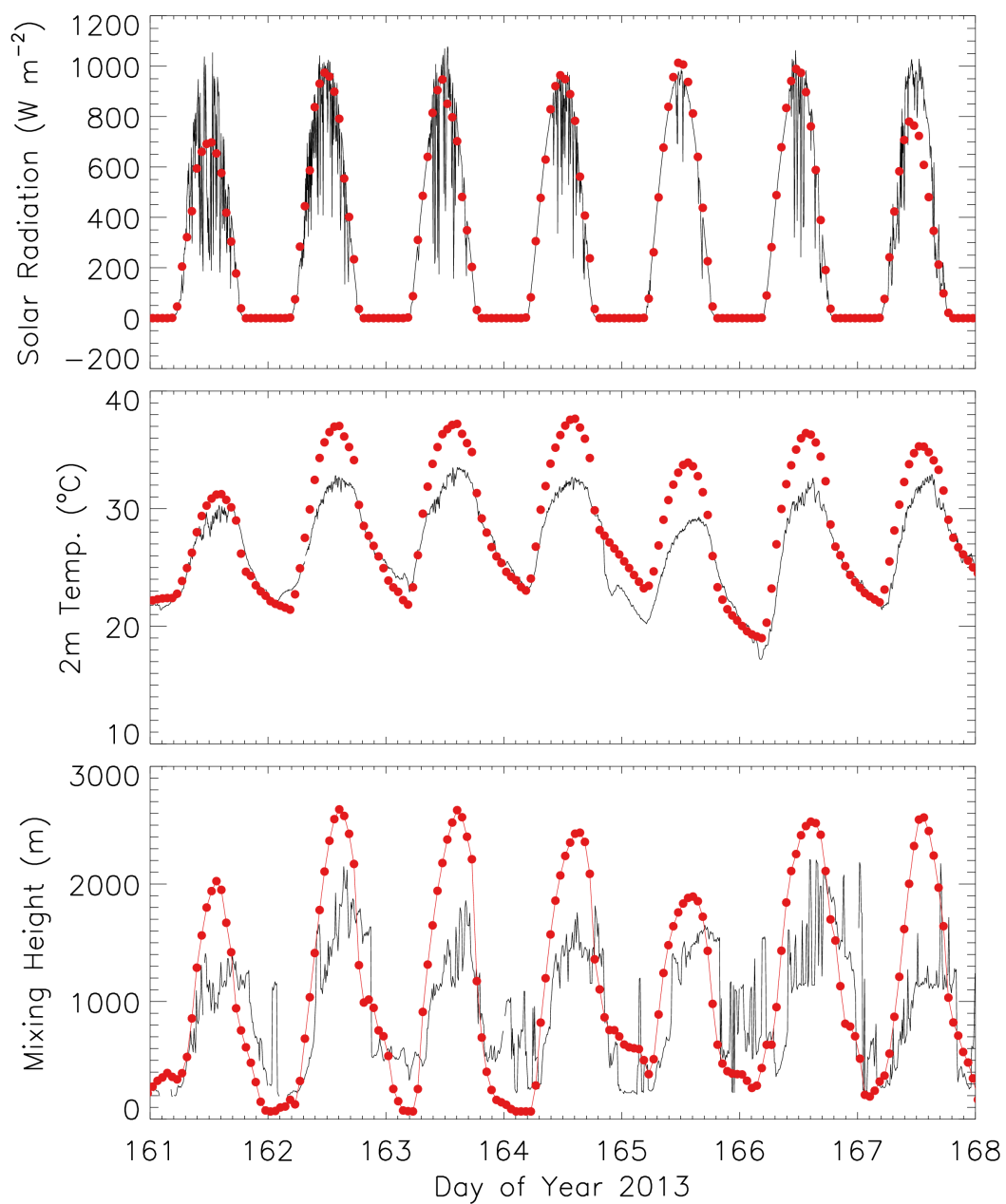
## Supplemental Information



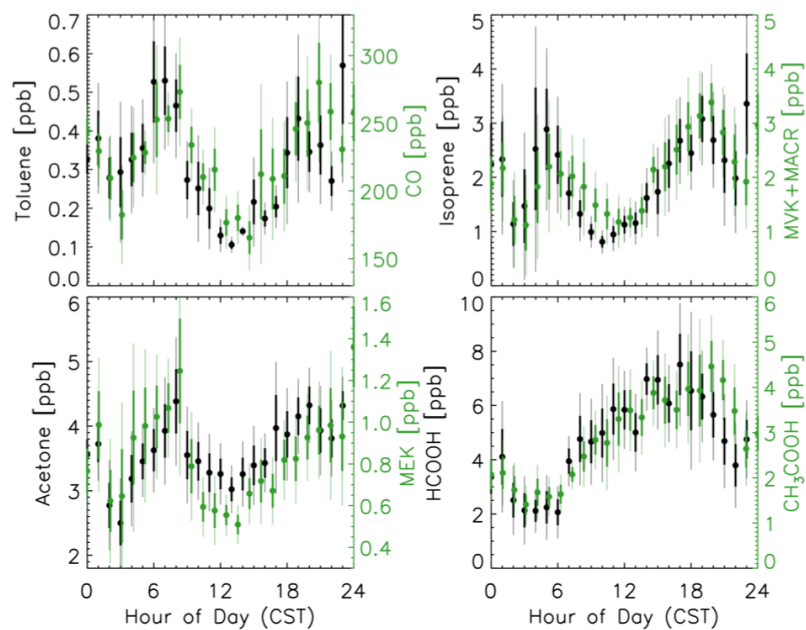
**Figure S1.** Isoprene emission, total photochemical production of HCOOH, and production of HCOOH from isoprene over North America in the GEOS-Chem base-case simulation. Note nonlinear color scale.



**Figure S2.** Fraction of the total photochemical HCOOH source in GEOS-Chem that is due to the keto-enol tautomerization of acetaldehyde, as a function of the HCOOH mixing ratio.



**Figure S3.** Solar radiation, air temperature, and ceilometer measurements during a subset of the SOAS campaign. Measured values (in black) are compared to the GEOS-FP values (in red) used in GEOS-Chem.



**Figure S4.** Diurnal cycle of HCOOH, CH<sub>3</sub>COOH, and related biogenic and anthropogenic compounds as measured during SLAQRS. Data shown include only non-stagnant (wind speed > 0.5 m s<sup>-1</sup>) periods with southwesterly winds (180°-270°). Error bars indicate ±1 (thick) and ±2 (thin) standard errors about the mean (points).