- 1 Supplementary information for: Chlorine oxidation of VOCs at a semi-rural site in
- 2 Beijing: Significant chlorine liberation from ClNO₂ and subsequent gas and particle
- 3 phase Cl-VOC production



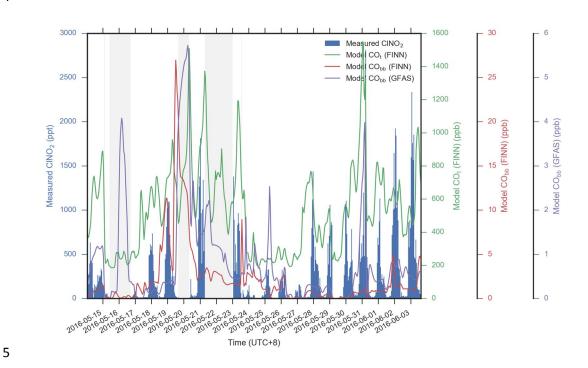


Figure S1. Time series of measured CINO₂ concentrations, modelled CO_t concentrations,
and modelled CO_{bb} at the Changping site. CO_{bb} is shown for both the model using the
FINN database and the GFAS database. Periods with missing measurement data are
shown in grey.

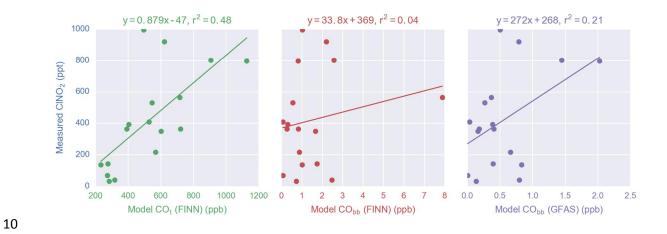


Figure S2. Scatter plots of night-time averages of ClNO₂ against corresponding averages of CO_t, CO_{bb} in the FINN model, and CO_{bb} in the GFAS model. Linear regressions for

- 1 each of the comparisons gave the following r2 results: COt 0.48, CObb FINN 0.04, and
- 2 CO_{bb} GFAS 0.21.

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