



Supplement of

Multi-model simulation of CO and HCHO in the Southern Hemisphere: comparison with observations and impact of biogenic emissions

G. Zeng et al.

Correspondence to: G. Zeng (guang.zeng@niwa.co.nz)

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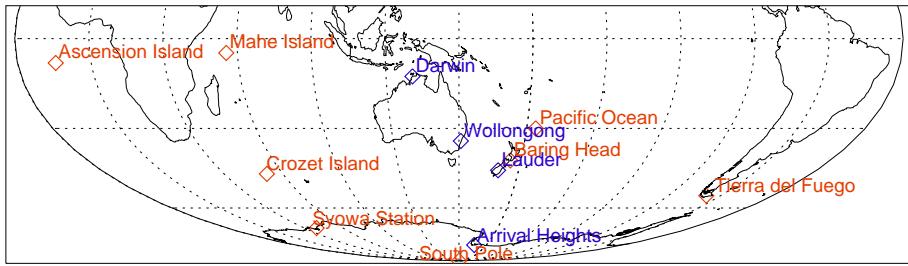


Figure S1. SH FTIR (blue) and NOAA GMD surface CO (red) measurement sites

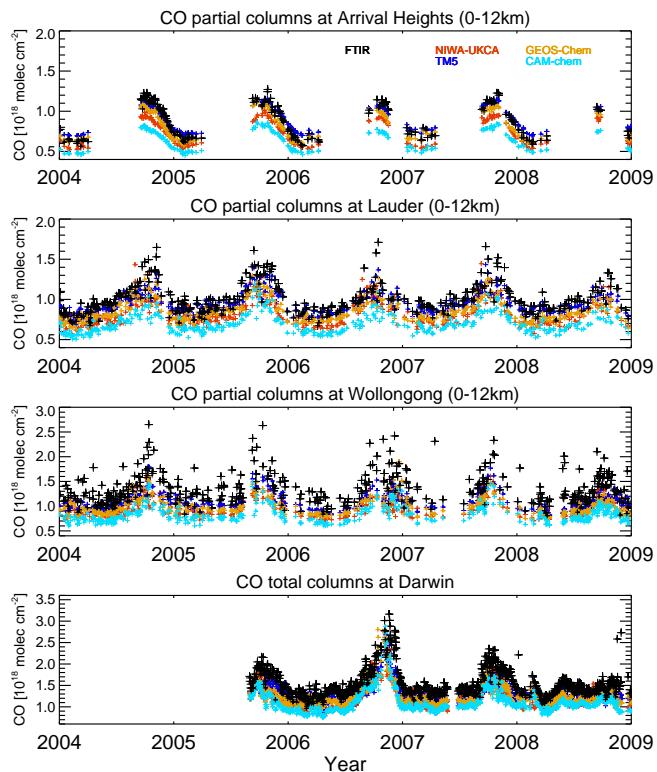


Figure S2. Modelled and observed daily mean FTIR CO columns at SH stations from 4 models. Simulations use LPJ-GUESS biogenic emissions.

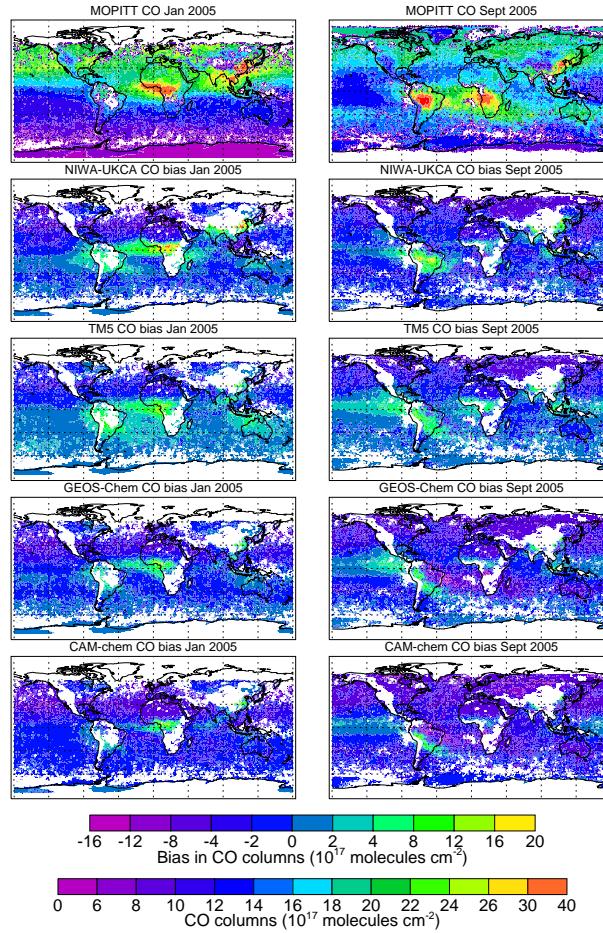


Figure S3. Monthly mean modelled and MOPITT CO columns for January and September 2005. Modelled data are convolved with MOPITT averaging kernels and a priori data. Simulations are with CLM-MEGANv2.1 biogenic emissions.

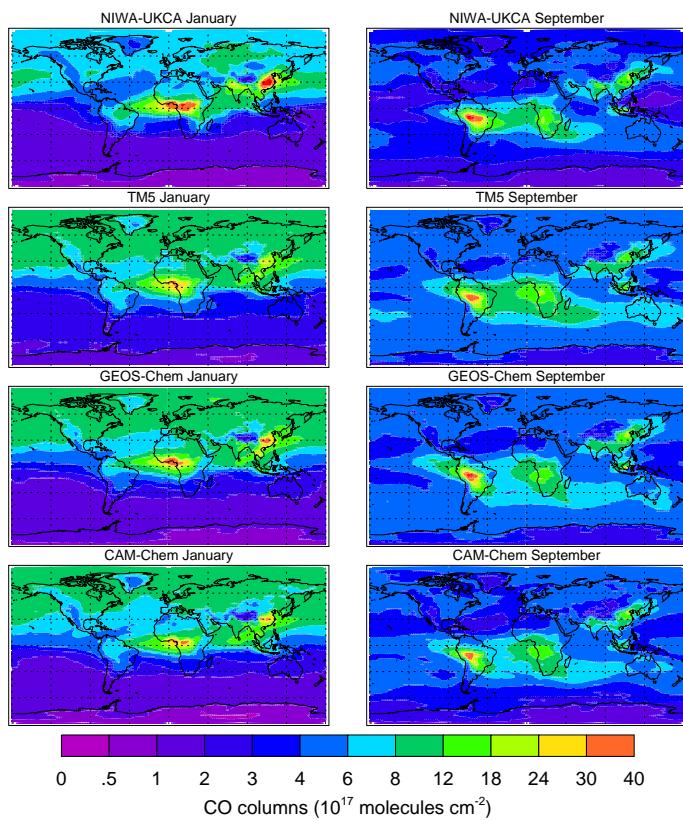


Figure S4. Tropospheric CO_{OH} tracer columns from 4 models for January (left) and September (right) 2005, for the CLM-MEGANv2.1 simulations.

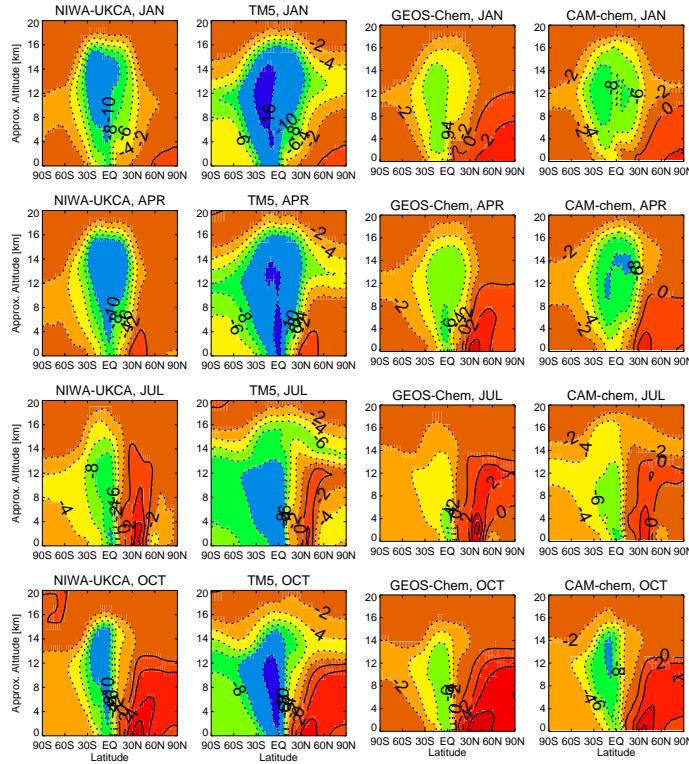


Figure S5. Zonal mean and monthly mean differences in CO [ppbv] between the LPJ-GUESS and the CLM-MEGANv2.1 simulations (expressed as “ $\text{CO}_{\text{LPJ-GUESS}} - \text{CO}_{\text{CLM-MEGANv2.1}}$ ”) for January, April, July, and October. Data are averaged over 2004–2008.