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Biomass burning influence on high-latitude tropospheric ozone and reactive nitrogen in summer 2008: a multi-model analysis based on POLMIP simulations

S. R. Arnold et al.

Correspondence to: S. R. Arnold (s.arnold@leeds.ac.uk)

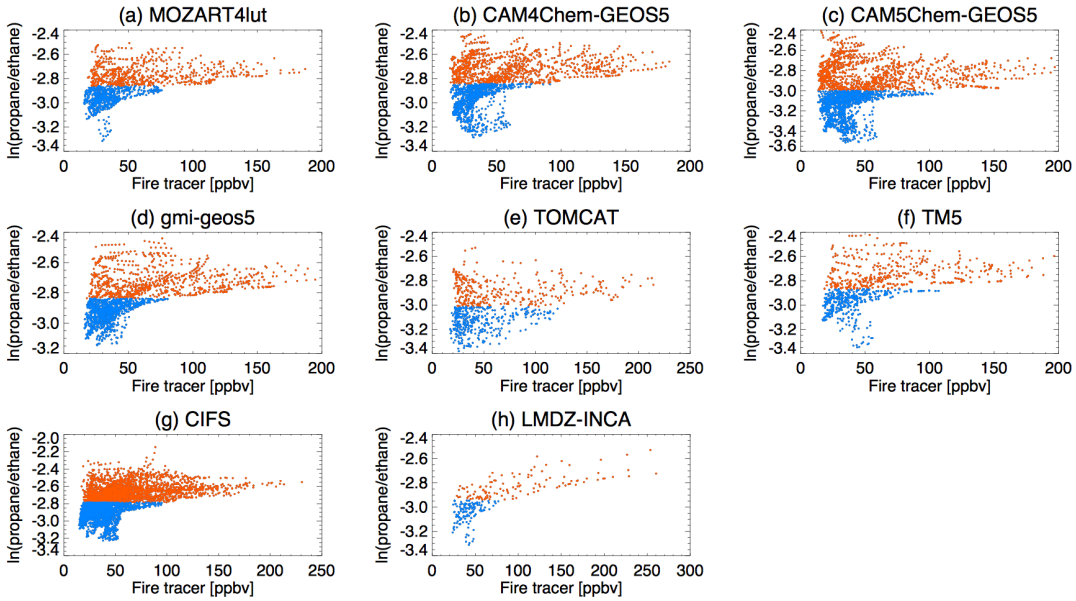

Figure S1: Relationships between the $\ln(C_3H_8/C_2H_6)$ ratio and the absolute fire-emitted 25-day lifetime tracer concentration from POLMIP model simulations for July 2008. Model points are plotted only north of 50N, with 850 hPa > pressure > 250 hPa, where the fire-emitted fixed-lifetime CO tracer contributes more than 66% of the total (fire + anthropogenic) tracer mixing ratio. Red and blue points denote younger than average and more aged than average of these points respectively, as diagnosed by the $\ln(C_3H_8/C_2H_6)$ concentration ratio.