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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

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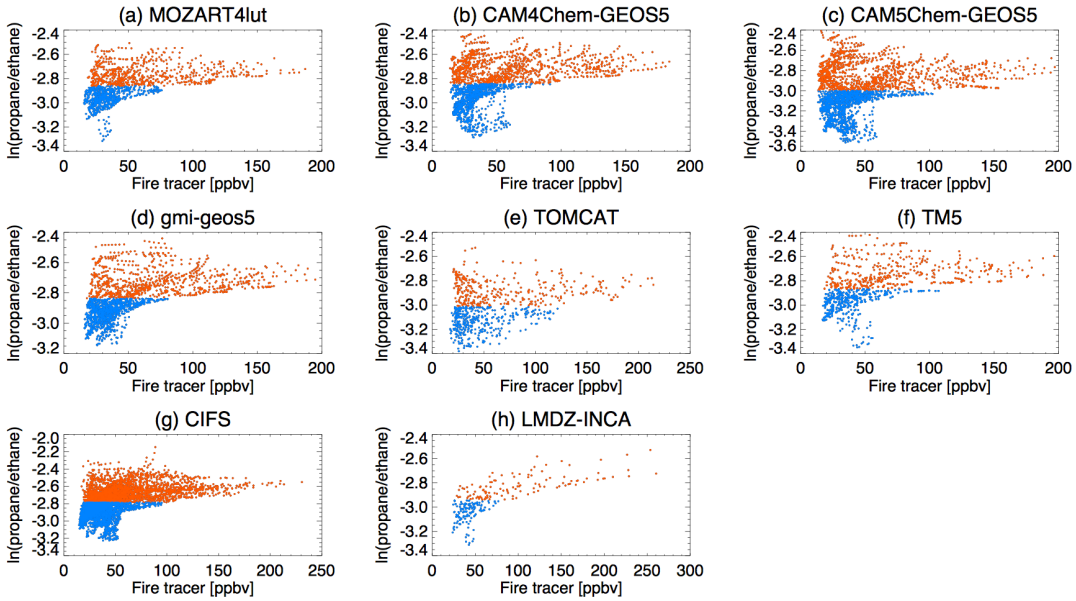

Figure S1: Relationships between the ln(C_3H_8/C_2H_6) ratio and the absolute fire-emitted 25-day lifetime tracer concentration from POLMIP model simulations for July 2008. Model points are plotted only north of 50N, with 850 hPa > pressure > 250 hPa, where the fire-emitted fixed-lifetime CO tracer contributes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