

Figure S1. Annual mean lifetime of NO_x below 1 km altitude against oxidation to nitrate via reactions that occur only at night (R2+R4+R5).

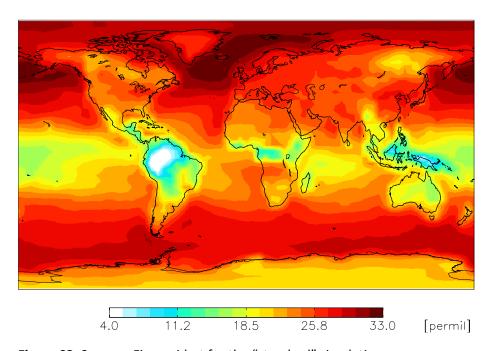


Figure S2. Same as Figure 4 but for the "standard" simulation.

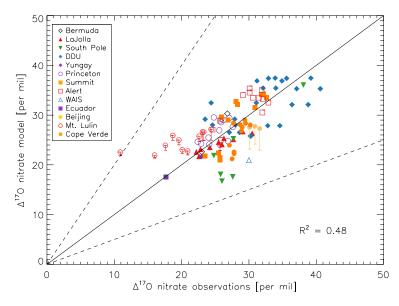


Figure S3. Same as Figure 5 but for the "standard" simulation.

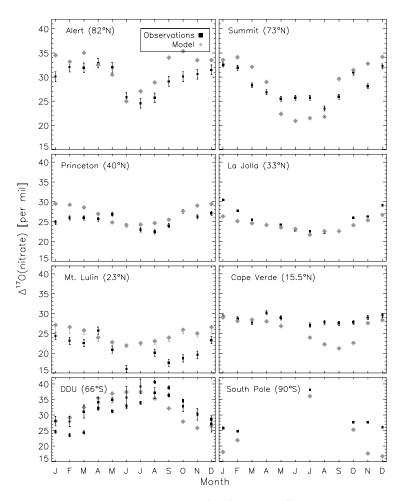


Figure S4. Same as Figure 6 but for "standard" simulation.

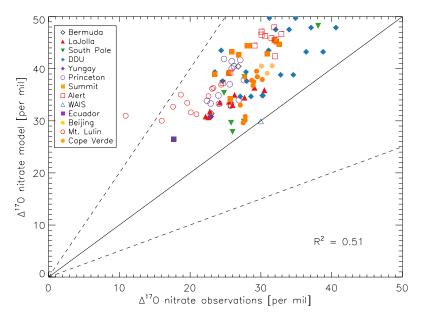


Figure S5. Same as Figure S1 but assuming $\Delta^{17}O(O_3)$ = 35‰.

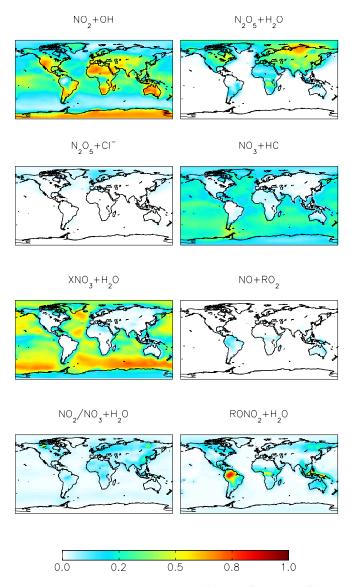


Figure S6. Same as Figure 3 but for the "standard" simulation.

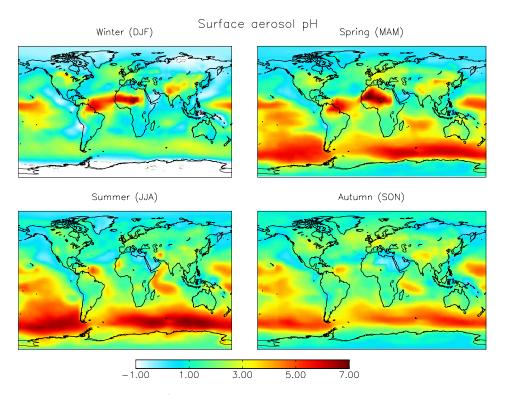


Figure S7. Calculated surface aerosol pH in the model in each season.

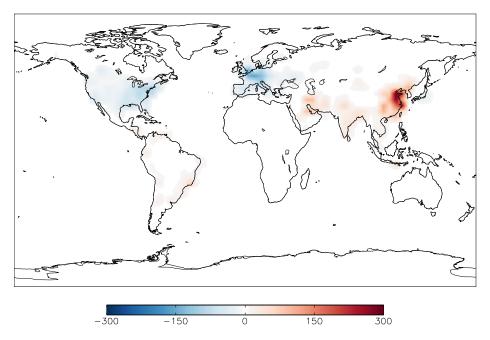


Figure S8. Modeled change in anthropogenic NO emissions (Gg N yr^{-1}) from the year 2000 to the year 2015 (2015 – 2000).