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Supplement of

The impact of snow nitrate photolysis on boundary layer chemistry and the recycling and redistribution of reactive nitrogen across Antarctica and Greenland in a global chemical transport model

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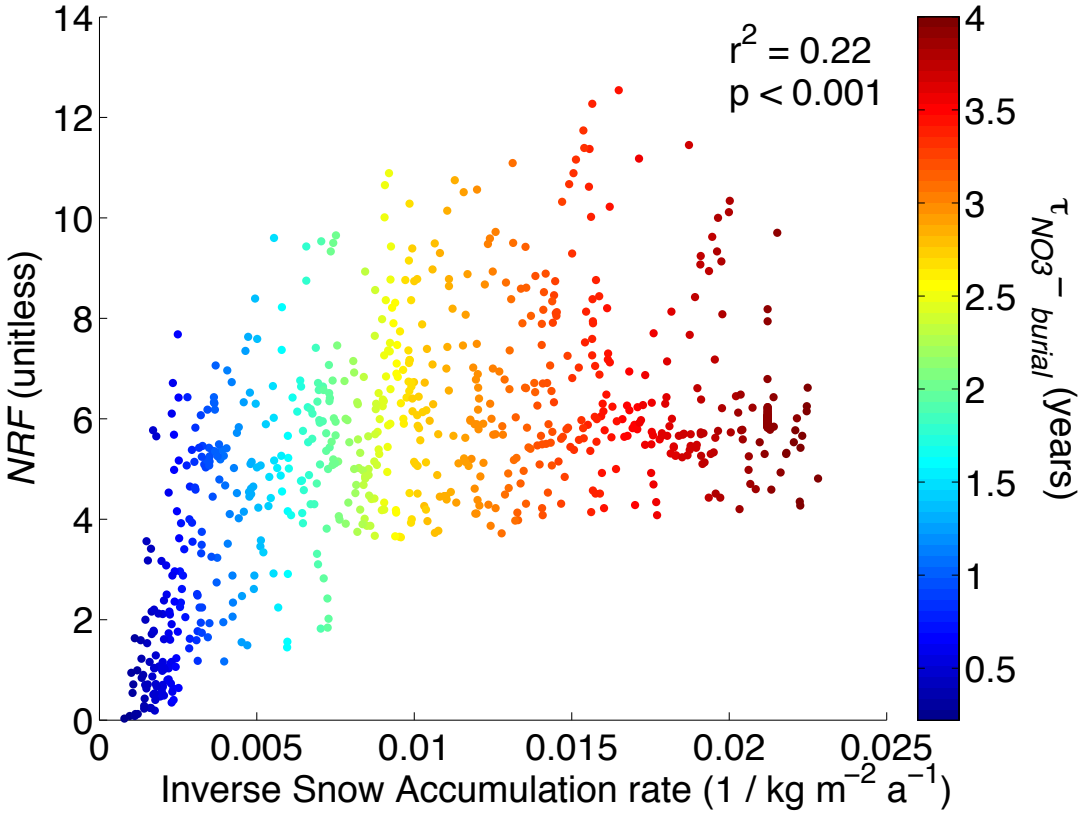

Figure S1. *NRF* versus inverse snow accumulation rate values across Antarctica. The color scale represents the minimum number of years that NO_3^- remains in the photic zone ($\tau_{NO_3^-\,burial}$).

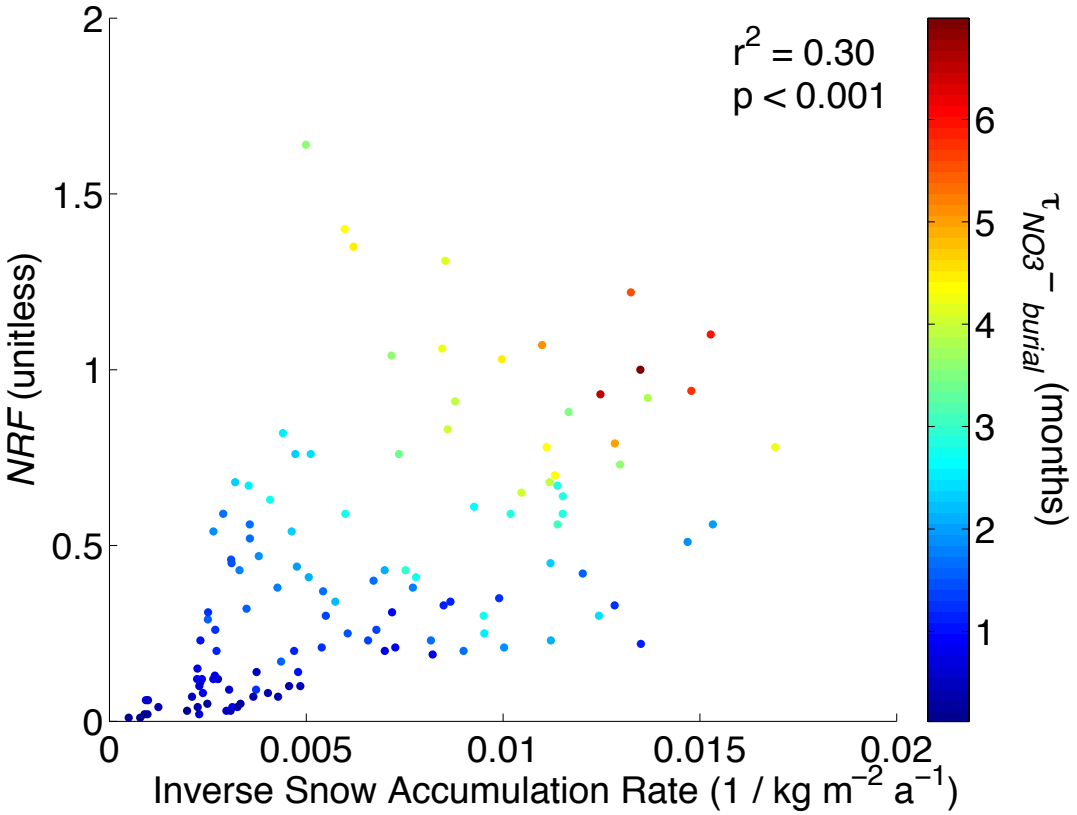

Figure S2. *NRF* versus inverse snow accumulation rate values across Greenland. The color scale represents the minimum number of months that NO_3^- remains in the photic zone ($\tau_{NO_3^-\,burial}$).