



Supplement of

Distinct photochemistry in glycine particles mixed with different atmospheric nitrate salts

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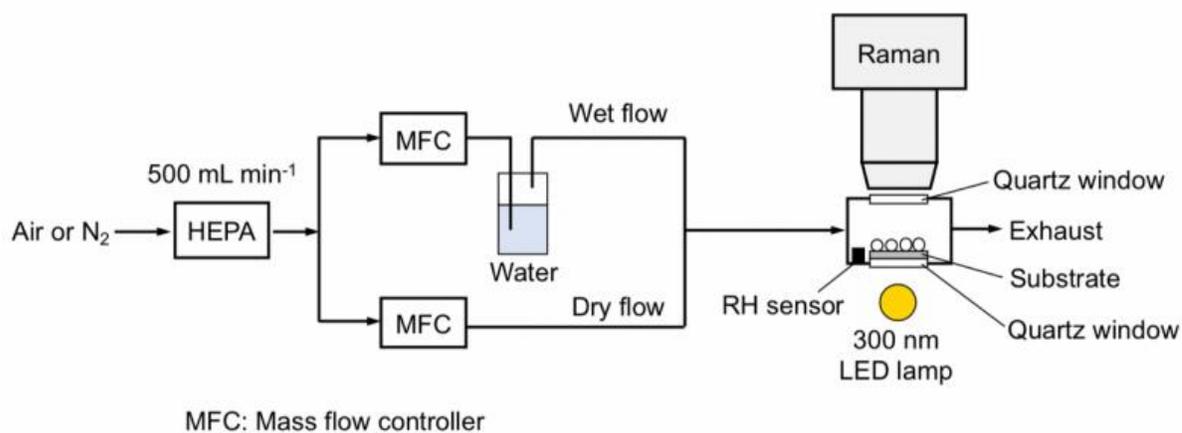


Figure S1. The schematic of the aerosol flow-cell system.

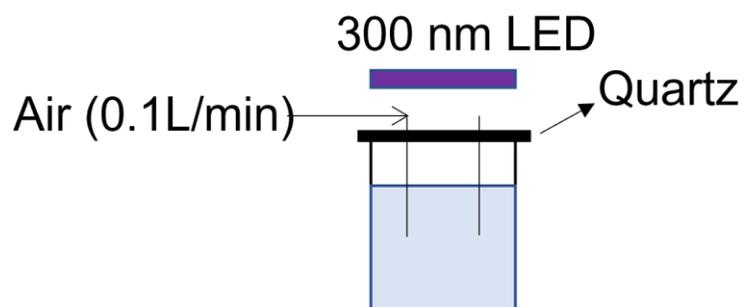


Figure S2. The schematic of the aqueous reactor system.

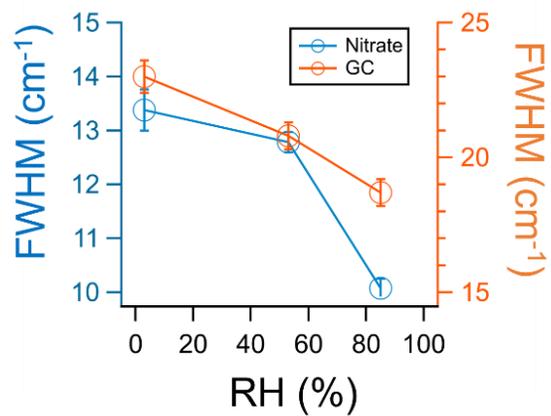


Figure S3. The Full width at half maxima of nitrate peak (at $\sim 1050\text{ cm}^{-1}$) and glycine peak ($\sim 900\text{ cm}^{-1}$) in AN+GC particles at different RHs.

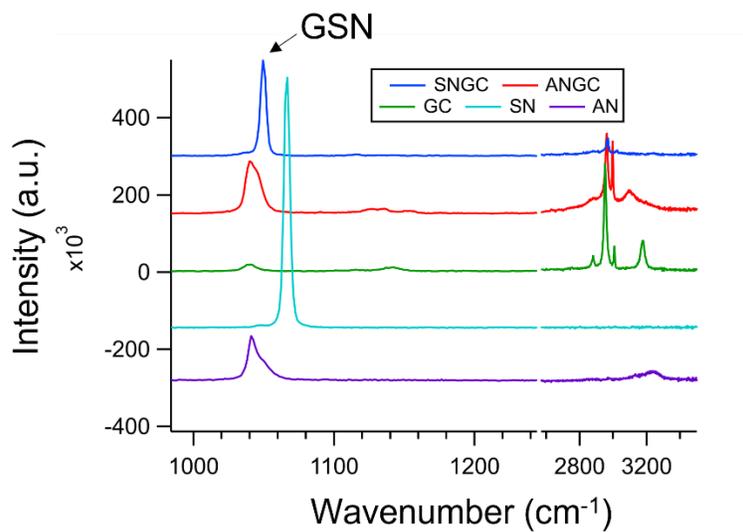


Figure S4. The Raman characteristic peak of GSN.

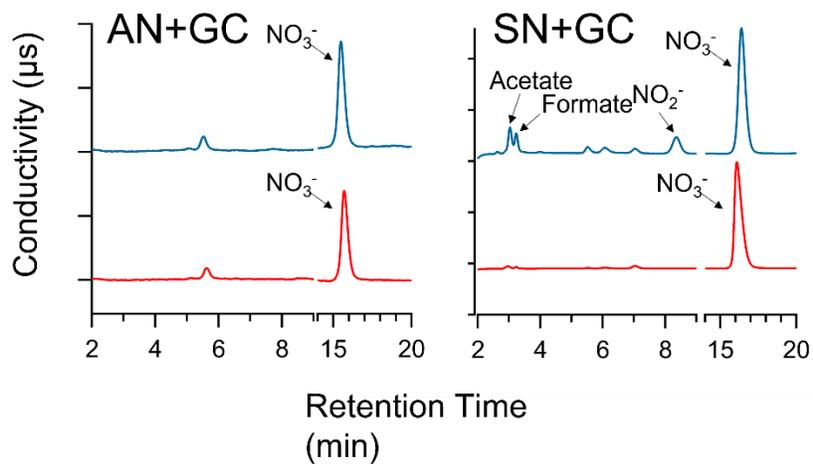


Figure S5. Ionic chromatography of Fresh and UV-aged (8 h) AN+GC and SN+GC particles extract. The particles were aged at 80%RH.

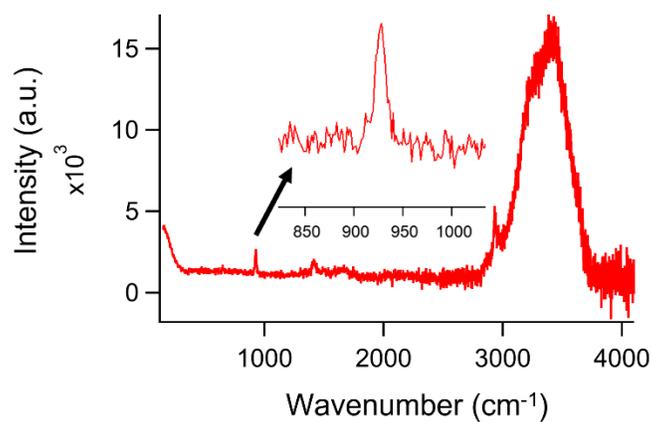


Figure S6. Raman spectrum of ammonium acetate solution.

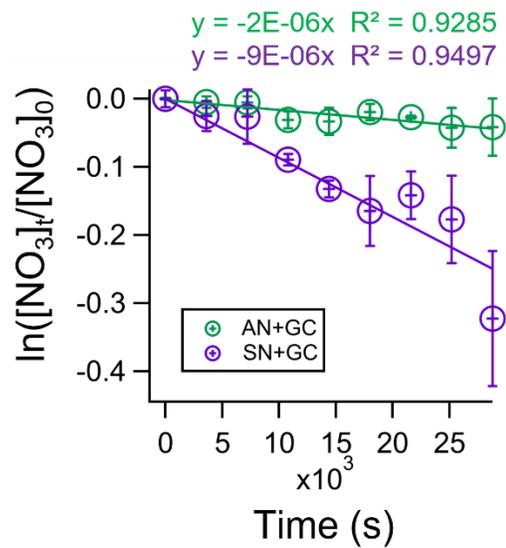


Figure S7. The decay kinetics of nitrate in AN+GC and SN+GC particles at 80% RH.

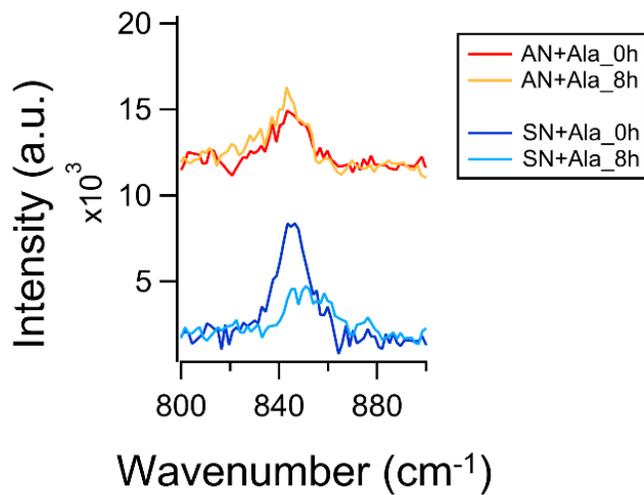


Figure S8. Raman spectrum of AN+Ala and SN+Ala mixed particles after 0 and 8 h irradiation at 80%RH.