Supplement of

Heterogeneous reactions of NO$_2$ with CaCO$_3$-(NH$_4$)$_2$SO$_4$ mixtures at different relative humidities

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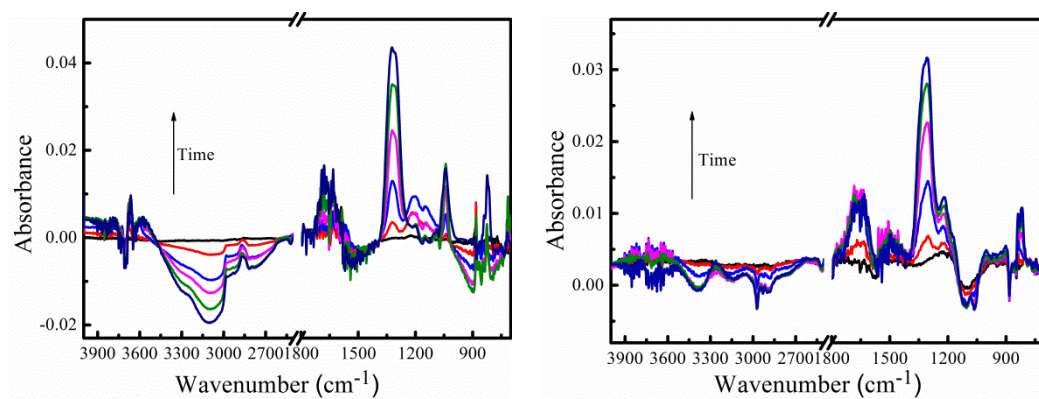
Figure S1. Absorption spectra recorded during the reaction of NO_2 on (a) pure $CaCO_3$ particle surfaces, and (b) FAS-57 under dry condition and reaction times of 0 to 120 min. The NO_2 concentration was 2.6×10^{15} molecule cm^{-3}.
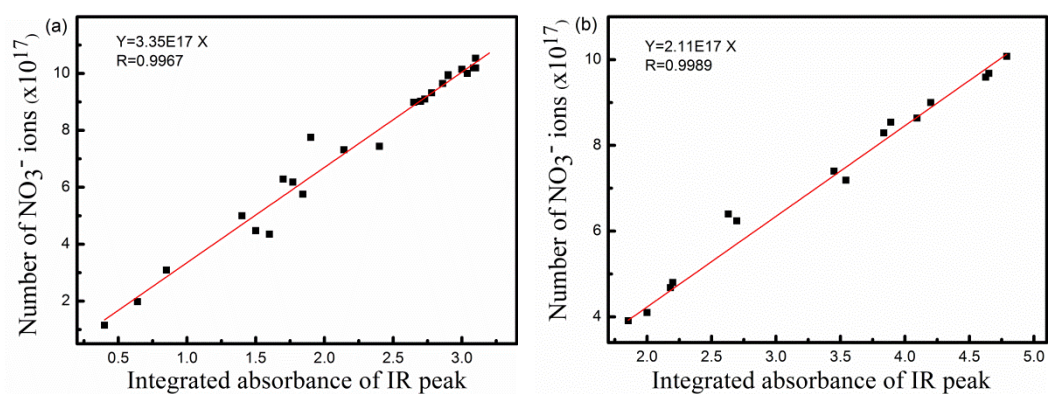
Figure S2. The number of NO_3^- ions detected by IC as a function of integrated absorbance of IR peak between 1390 and 1250 cm^{-1} at (a) dry condition, 40% RH, and 60% RH, (b) 85% RH.