

## ***Interactive comment on “Reactions of $H^+(pyridine)_m(H_2O)_n$ and $H^+(NH_3)_1(pyridine)_1(H_2O)_n$ with $NH_3$ : experiments and kinetic modelling under tropospheric conditions” by M. J. Ryding et al.***

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Please find our answers as a supplement.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/11/C13948/2012/acpd-11-C13948-2012-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 24535, 2011.

C13948

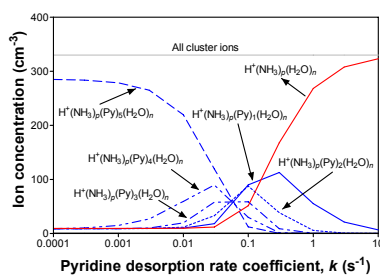


Figure 9. Concentration of most abundant cluster ions as a function of pyridine desorption rate coefficient. The values were calculated using Model B with inclusion of evaporation of pyridine. The initial concentrations are given in Table 2 except the concentration of pyridine that was kept at  $9.83 \times 10^7 \text{ cm}^{-3}$ .

Fig. 1. Figure 9.

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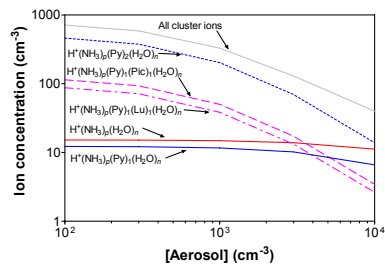


Figure 10. Concentration of most abundant cluster ions as a function of aerosol concentration. The values were calculated using Model A. The initial concentrations are given in Table 2 except the concentration of pyridine that was kept at  $9.83 \times 10^7 \text{ cm}^{-3}$  and the aerosol concentration that was varied.

Fig. 2. figure 10.

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