

***Interactive comment on “Evaluated kinetic and photochemical data for atmospheric chemistry: Volume V – heterogeneous reactions on solid substrates” by J. N. Crowley et al.***

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Experimental data on Acetaldehyde adsorption on pure ice are available in the literature :

M. Petitjean, Ph. Mirabel and S. Le Calvé, Uptake measurements of acetaldehyde on solid ice surfaces and on solid/liquid supercooled mixtures doped with HNO<sub>3</sub> in the temperature range 203-253K, J. Phys. Chem. A, 113, 5091-5098, 2009.

Consequently, appendix A1 (page 5) and appendix V.A1.18 on CH<sub>3</sub>CHO + ice (page 99) should be completed.

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In addition, acetone study performed by Peynerrière (2004) has been completed (E. Journet, S. Le Calvé, Ph. Mirabel, Adsorption study of acetone on acid doped-ice surfaces between 203 and 233 K, J. Phys. Chem. B, 109, 14112-14117, 2005).

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Interactive comment on Atmos. Chem. Phys. Discuss., 10, 5233, 2010.