Interactive comment on “Heterogeneous reaction of N$_2$O$_5$ with illite and Arizona Test Dust particles” by M. J. Tang et al.

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I would like to post an amendment to the third "bullet" in my referee comment: (a) the length scale of the average size of the mineral dust particles (illite, ATD) are micrometers, not millimeters; (b) I stand by my point on surface-weighting of the size distribution function in terms of number concentration: at constant mass the total surface area decreases as does the gas-wall collision frequency "omega" on all particles considered in the volume. This should make "gamma" larger, not smaller, at a given (measured) value of the rate constant $k$ according to: $k = \gamma \times \omega$.

Interactive comment on Atmos. Chem. Phys. Discuss., 13, 24855, 2013.