

## CORRIGENDUM

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J. Pudykiewicz has pointed out that the coagulation process is incorrectly incorporated in the four-dimensional continuity equation for the number density of the aerosol, Eq. (1), of Li and Boer (2000). A correct version retains its form as

$$\frac{\partial n}{\partial t} + \nabla \cdot (n\mathbf{V}) + \frac{\partial}{\partial r}(gn) = q$$

but with variables defined throughout as  $\mathbf{V}$ , the velocity of the particles;  $g = g_c$  (rather than  $g_c + g_a$ ), the growth rate due to condensation only; and  $q = q_n + q_a$ , the source/sink of particles via nucleation and coagulation, respectively. The source/sink of particles due to the coagulation process,  $q_a$ , is now included on the right-hand side of (1) and also replaces the left-hand side of (8).

The results of the paper are unaffected, however, since we consider only those cases where coagulation plays a negligible role whence  $g = g_c$  and  $q = q_n$ .

We appreciate Dr. Pudykiewicz's corrections to this paper very much.

### REFERENCE

Li, J., and G. J. Boer, 2000: The continuity equation for the stratospheric aerosol and its characteristic curves. *J. Atmos. Sci.*, **57**, 442–451.

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