

CORRIGENDUM

Author Ulrike Wacker has submitted the following corrections to the article "Competition of precipitation particles in a model with parameterized cloud physics" that appeared on pages 2577–2589 in the 15 July *Journal of the Atmospheric Sciences*, Vol. 52, No. 14.

1) On page 2580 (left column), the sentence following Eq. (3) should start "Local stability analysis, taking singularities and if necessary higher order terms into account, reveals that . . ."

2) On page 2580 (right column), the paragraph following Eq. (5) should be replaced by

"with $\Gamma = \sum_{m=1}^M (b_m^\delta / d_m^\beta)^{1/(\delta-\beta)}$. Here M types of precipitation particles coexist—they are listed as $m = 1, \dots, M$ for clarity, while $N - M$ precipitation species n ($n = M + 1, \dots, N$) disappear. At least one of the precipitation types must be present in the steady state to remove the constant input of cloud water by the source rate Φ_C from the system. Stability analysis of steady states, again taking singularities and if necessary higher order terms into account, tells that any steady state with $P_{ns} = 0$ for at least one species n is unstable. Thus the system can possess at most one (point-) attractor with $P_{is} > 0$ for all $i = 1, \dots, N$. Numerical integration of the prognostic equations indicates that (a) steady states with $P_{is} > 0$ for all i are stable and mark a point attractor, and that (b) all steady states with at least one vanishing species are unstable. These exemplary calculations, however, do not represent a strict mathematical proof."

3) On page 2581 (left column) line 21 from below and on page 2587 (right column) line 15 from above ". . . larger than 2 . . ." should read ". . . larger than 2 in two variable systems . . ."

4) On page 2581 (left column, lines 17 and 18) "from below" should be replaced by "For $P_i(t = 0)$ with $i = 1, \dots, N$ but $i \neq m$, the attracting basin of the point or periodic attractor in the phase plane . . ."

5) On page 2581 (right column, line 3) "up to N " should be replaced by "multiple."

6) On page 2585 (left column, line 24) " Φ_C " should read " $\Phi_C > 0$."

7) On page 2587 (right column, line 30) "forcing" should read "forcing Φ_j ."