

Corrigendum

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Appendix B of Bischoff and Schneider (2014) contains algebraic errors in closure approximations for the atmospheric moist static energy flux. Equation (B6) in the paper should be constructed analogously to Eq. (B5) and read

$$\langle \overline{v'h'} \rangle \approx \pm c_h \frac{P_0}{g} v_e \cos(\phi_s) \Delta h \quad (\text{B6a})$$

$$= \pm c_h \frac{P_0}{g} v_e \cos(\phi_s) (c_p \Delta T + L_v \Delta q) \quad (\text{B6b})$$

$$= \pm c_h \frac{P_0}{g} v_e \cos(\phi_s) \left(c_p \Delta T + \frac{L_v^2 \mathcal{H} q_s}{R_v T^2} \Delta T \right) \quad (\text{B6c})$$

$$= \pm c_h c_p \frac{P_0}{g} v_e \cos(\phi_s) \Delta T \left(1 + \frac{L_v^2 \mathcal{H}}{c_p R_v T^2} q_s \right) \quad (\text{B6d})$$

$$= \langle \overline{v's'} \rangle (1 + \beta' q_s) \quad (\text{B6e})$$

$$= \pm \alpha' v_e \Delta T (1 + \beta' q_s), \quad \text{where} \quad (\text{B6f})$$

$$\alpha' = c_h c_p \frac{P_0}{g} \cos(\phi_s), \quad \text{and} \quad (\text{B6g})$$

$$\beta' = \frac{L_v^2 \mathcal{H}}{c_p R_v T^2}. \quad (\text{B6h})$$

In the originally published version of the paper, there was an extra v_e in the definition of α' , and Eq. (B6f), which defines α' , was missing.

Additionally, the original paper did not make clear that all near-surface quantities are averaged vertically over σ levels between 0.75 to 0.9 after spline interpolation.

These errors and omissions do not affect the results or conclusions in the paper.

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REFERENCE

Bischoff, T., and T. Schneider, 2014: Energetic constraints on the position of the intertropical convergence zone. *J. Climate*, **27**, 4937–4951, <https://doi.org/10.1175/JCLI-D-13-00650.1>.

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