

CORRIGENDUM

ELÍAS VALUR HÓLM

Department of Meteorology, Arrhenius Laboratory, Stockholm University, Stockholm, Sweden

In appendix A, p. 550 of Hólm (1995) the signs preceding c_{xe}^- in Eq. (A1), c_{yn}^- in Eq. (A2), and c_{xne}^- and c_{yne}^- in Eqs. (A3) and (A4) are wrong, and should change from a minus sign to a plus sign. The correct formulas are

$$F_{j+1/2,k} = \Delta x \Delta y \sum_{l=0}^L \sum_{m=0}^M \left\{ \frac{[(1 - 2c_{ye}^+)^{m+1} - (-1 - 2c_{ye}^-)^{m+1}]}{(m+1)2^{m+1}} \right. \\ \left. \times \frac{[1 - (1 - 2c_{xe}^+)^{l+1}]a_{j,k,l,m} - (-1)^l [1 - (1 + 2c_{xe}^-)^{l+1}]a_{j+1,k,l,m}}{(l+1)2^{l+1}} \right\}, \quad (\text{A1})$$

$$G_{j,k+1/2} = \Delta x \Delta y \sum_{l=0}^L \sum_{m=0}^M \left\{ \frac{[(1 - 2c_{xn}^+)^{l+1} - (-1 - 2c_{xn}^-)^{l+1}]}{(l+1)2^{l+1}} \right. \\ \left. \times \frac{[1 - (1 - 2c_{yn}^+)^{m+1}]a_{j,k,l,m} - (-1)^m [1 - (1 + 2c_{yn}^-)^{m+1}]a_{j,k+1,l,m}}{(m+1)2^{m+1}} \right\}, \quad (\text{A2})$$

$$D_{j+1/2,k+1/2}^+ = \Delta x \Delta y \sum_{l=0}^L \sum_{m=0}^M \left\{ \frac{[1 - (1 - 2c_{xne}^+)^{l+1}][1 - (1 - 2c_{yne}^+)^{m+1}]a_{j,k,l,m}}{(l+1)2^{l+1}(m+1)2^{m+1}} \right. \\ \left. - \frac{(-1)^l [1 - (1 + 2c_{xne}^-)^{l+1}](-1)^m [1 - (1 + 2c_{yne}^-)^{m+1}]a_{j+1,k+1,l,m}}{(l+1)2^{l+1}(m+1)2^{m+1}} \right\}, \quad (\text{A3})$$

$$D_{j+1/2,k+1/2}^- = \Delta x \Delta y \sum_{l=0}^L \sum_{m=0}^M \left\{ \frac{[1 - (1 - 2c_{xne}^+)^{l+1}](-1)^m [1 - (1 + 2c_{yne}^-)^{m+1}]a_{j,k+1,l,m}}{(l+1)2^{l+1}(m+1)2^{m+1}} \right. \\ \left. - \frac{(-1)^l [1 - (1 + 2c_{xne}^-)^{l+1}][1 - (1 - 2c_{yne}^+)^{m+1}]a_{j+1,k,l,m}}{(l+1)2^{l+1}(m+1)2^{m+1}} \right\}. \quad (\text{A4})$$

REFERENCES

- Hólm, E. V., 1995: A fully two-dimensional, nonoscillatory advection scheme for momentum and scalar transport equations. *Mon. Wea. Rev.*, **123**, 536–552.