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Correction to "Fusion Curve Slope and Crystal/Liquid Buoyancy" by David Walker, Carl B. Agee, and Youxue Zhang

In the paper "Fusion Curve Slope and Crystal/Liquid Buoyancy" by David Walker, Carl B. Agee, and Youxue Zhang (*Journal of Geophysical Research, 93*(B1), 313–323, 1988) the following are corrections to typographical errors.

Equation (7) on p. 314 should read

$$\left(\frac{\partial T}{\partial P}\right)_{{}^{L}X_2,\chi = L} = \frac{[{}^{L}\bar{V} - ({}^{L}\bar{V}_2 - {}^{L}\bar{V}_1)({}^{L}X_2 - {}^{\chi}X_2)] - {}^{\chi}\bar{V}}{[{}^{L}\bar{S} - ({}^{L}\bar{S}_2 - {}^{L}\bar{S}_1)({}^{L}X_2 - {}^{\chi}X_2)] - {}^{\chi}\bar{S}}$$

Equation (12) on p. 315 should read

$$\left(\frac{\partial T}{\partial P}\right)_{{}^{L}X_2,{}^{L}X_3,\chi = L,C = 3} = \frac{[{}^{L}\bar{V} - ({}^{L}\bar{V}_2 - {}^{L}\bar{V}_1)({}^{L}X_2 - {}^{\chi}X_2) - ({}^{L}\bar{V}_3 - {}^{L}\bar{V}_1)({}^{L}X_3 - {}^{\chi}X_3)] - {}^{\chi}\bar{V}}{[{}^{L}\bar{S} - ({}^{L}\bar{S}_2 - {}^{L}\bar{S}_1)({}^{L}X_2 - {}^{\chi}X_2) - ({}^{L}\bar{S}_3 - {}^{L}\bar{S}_1)({}^{L}X_3 - {}^{\chi}X_3)] - {}^{\chi}\bar{S}}$$

Equation (13) on p. 315 should read

$$\left(\frac{\partial T}{\partial P}\right)_{{}^{L}X_i,\chi = L} = \frac{\left[{}^{L}\bar{V} - \sum_{i}^{c} ({}^{L}\bar{V}_i - {}^{L}\bar{V}_1)({}^{L}X_i - {}^{\chi}X_i)\right] - {}^{\chi}\bar{V}}{\left[{}^{L}\bar{S} - \sum_{i}^{c} ({}^{L}\bar{S}_i - {}^{L}\bar{S}_1)({}^{L}X_i - {}^{\chi}X_i)\right] - {}^{\chi}\bar{S}}$$

There should be a footnote at the bottom of the second column of p. 316 reading [1]See the appendix.

The equation in the title of the appendix on p. 319 should read

$$(\partial T/\partial P)_{solidus} = ({}^{L}\bar{V} - {}^{\chi}\bar{V}_L)/({}^{L}\bar{S} - {}^{\chi}\bar{S}_L)$$

The second differential equation in the cluster a third of the way down the second column on p. 320 should read

$$\sum_{i=1}^{K} \frac{\partial {}^{\chi_i}F}{\partial P} = 0 \qquad \left(\text{which replaces } \sum_{i=1}^{K} {}^{\chi_j}X_j \frac{\partial {}^{\chi_i}F}{\partial P} = 0\right)$$

The exponent on the (-1) term of the double summation in equation (A14) should be m_{ij} not M_{ij}.

Equation (A15) should read

$${}^{\chi}\bar{V}_{imag} = {}^{\chi}\bar{V}_L = \sum_{i=1}^{K} f_{\chi_i} \sum_{j=1}^{C} {}^{\chi_i}Y_j {}^{\chi_i}\bar{V}_j$$

The authors and JGR regret any confusion which these typographical errors have introduced.

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