Wallace H. MacLean

The '*Profile*' method of calculating the composition of solid in magma fractionation, and its application to an alkaline volcano

Published online: 3 December 2003
© Springer-Verlag 2003

Contrib Mineral Petrol (2003) 145:742–751

The error is in Equation 16 and is repeated in Equation 17. The corrections change the signs of the calculations from minus to plus, but do not affect the numerical values. Tables 1 and 2 in the article were calculated from Equation 13 and, thus, are not affected.

$$c_{iMN}^s = \frac{1}{F_M - F_N} \cdot \left[\left(F_M \cdot c_{iM}^l - F_N \cdot c_{iN}^l \right) + \left(F_N \cdot c_{iN}^{inc} - F_M \cdot c_{iM}^{inc} \right) \right] \quad (16)$$

$$c_{iMN}^s = \frac{1}{F_M - F_N} \cdot \left(F_M \cdot c_{iM}^l - F_N \cdot c_{iN}^l \right) \quad (17)$$

The online version of the original article can be found at <http://dx.doi.org/10.1007/s00410-003-0476-8>

W. H. MacLean
Department of Earth and Planetary Sciences, McGill University,
3450 University Avenue, Montreal, Quebec, H3A 2A7, Canada
E-mail: whm@eps.mcgill.ca
Fax: +1-514-3984680