ERRATA

Correction to Reviews in Mineralogy & Geochemistry Vol. 70

--- Thermodynamics and kinetics of water-rock interaction ---

Chapter 2 "Thermodynamics of Solid Solution – Aqueous Solution Systems"

Pages 47-85

Manuel Prieto

Page 51, 11th line from bottom:

The sentence: "The "strictly regular" solid-solutions (Navrotsky 1987) constitute a special case of these kinds of symmetric solutions, for which ΔS_E and ΔV_E are zero, such that a_0 and ΔG_E are independent of temperature and pressure."

Should be: "The "strictly regular" solid-solutions (Navrotsky 1987) constitute a special case of these kinds of symmetric solutions, for which ΔS_E and ΔV_E are zero, such that R$T \cdot a_0$ and ΔG_E are independent of temperature and pressure."

Page 52, Equations (26) and (27)

In order to be consistent with Equation (12), Equations (26) and (27) should be:

$$\ln \gamma_{BA} = X_{CA}^2 [a_0 + a_1(3X_{BA} - X_{CA}) + a_2(X_{BA} - X_{CA})(5X_{BA} - X_{CA}) + ...] \tag{26}$$

$$\ln \gamma_{CA} = X_{BA}^2 [a_0 - a_1(3X_{CA} - X_{BA}) + a_2(X_{CA} - X_{BA})(5X_{CA} - X_{BA}) + ...] \tag{27}$$