

## **Controls on tetrahedral Fe(III) abundance in 2:1 phyllosilicates—Reply**

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### **ABSTRACT**

The model of Fe<sup>3+</sup> distribution between octahedra and tetrahedra in dioctahedral smectites by Decarreau and Petit (2014) used data from infrared analysis. From their own and other general evidence, the resulting data are likely to be affected by significant uncertainty. This aside, their model has limited application because it is based on synthetic smectites containing only Si, Al, and Fe<sup>3+</sup>.

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