Review of “PhreeqcRM: A reaction module for transport simulators based on the geochemical model PHREEQC

David:

This well written manuscript describes capabilities and implementation of the PhreeqcRM software for implementing multicomponent reactions in a groundwater solute transport model. Most of my comments are included in the manuscript using ‘Track Changes.’. I listed a few other comments below for you to consider;

Section 2 has 7 tables that contain code fragments illustrating the use of PhreeqcRM. It is not clear how much of the required code for a simple 1D calculation is presented in the 7 tables. It would be helpful for the readers to provide a link to a web page that includes these code fragments in a complete but simple example. The manuscript does include a link to the PhreeqcRM software but it is not clear how close the examples on that site are to the example in the manuscript.

I suggest you consider showing a comparison of the PHAST and FEFLOW results perhaps is a supporting information section or on a website. Given that PhreeqcRM is used in both simulators one would not expect significant differences but it still might be worth showing.

Please contact me if you have any questions on this review.

Gary