Biogeochemistry governs some critical processes in root zone and their inclusion in simulation models is of utmost importance. In my recent post doctoral work, I have integrated a prominent biogeochemical model ‘Phreeqc’ into USDA’s soil model ‘2DSoil’. To get started with this improved model, I performed a simulation exercise encompassing sequential, zero order kinetic reactions with three fictitious species: ‘A’ , ‘B’ and ‘C’. These species move through a soil column under a constant recharge from the top over a span of 30 days. The results have been visualized as a GIF. The visualization tool has been developed in python, while 2DSoil and Phreeqc are programmed in Fortran and C++ respectively.