Biogeosciences
Discussions

Interactive comment on "Aggregates reduce transport distance of soil organic carbon: are our balances correct?" *by* Y. Hu and N. J. Kuhn

Anonymous Referee #6

Received and published: 9 July 2014

I now have revised the ms "Aggregates reduce transport distance of soil organic carbon: are our balances correct?". The work has been done as a laboratory experiment and was focused on the estimation of SOC losses during erosion. The work is important for the development of future erosion models, which should take in account initial aggregate structure of eroded soil. I suggest major revision for that ms.

General comments Please, add to the Abstract: which exactly classes of aggregates have been obtained; quantity information; reduce the introduction part. Use term content for SOC (mg kg-1 soil) and not a concentration.

Specific comments L90 Please, clarify the depth of the A horizon. L128 Remove "but" in the start of the sentence. L191 How long the incubation was done? L345-350 Please, split the sentence.

Tables and figures. Table 1. Term "concentration" is usually used for the solutions, for the solid substances term content has to be used. The dimension mg g-1 soil is not so typical, better to use g kg-1 soil. "General SOC" what does this mean? I suggest to leave SOC here, and in case of SOC in aggregates write in the left column SOC (g kg-1 fraction). Please, present the standard errors by the normal way (±value). The same is for table 3. In the marks under the table please remove the information about methods, this information is for materials and methods section.

Interactive comment on Biogeosciences Discuss., 11, 8829, 2014.