

## Response to reviews 2

We would like to thank all the reviewers for their efforts in improving the manuscript for publication.

We have corrected the minor typing errors identified by reviewer 1, we have also thoroughly checked the manuscript for additional typing errors and grammar. We have amended section L430-435 as we identified an error in the particle settling calculation that has now been corrected. The identified error does not substantially change the content of the manuscript or interpretation of the results. A summary table of the iron particle diameters gathered from the literature has also been added to the supplementary information.