Earth Syst. Sci. Data Discuss., referee comment RC2
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Comment on essd-2021-180

Anonymous Referee #2

Referee comment on "Laboratory data on wave propagation through vegetation with following and opposing currents" by Zhan Hu et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2021-180-RC2, 2021

This manuscript provides a data set for two flume experiments that investigate the impacts of vegetation on wave dissipation in the presence of both current and wave. The data set is rich and should be valuable for future investigation of the impacts of vegetation on wave dynamics in coastal areas. The scientific contribution of the manuscript is weak because the difference between this study and previous studies is not clear. Consider that this is a data description paper, I think the paper may be a good fit after revision.

Below are my specific comments:

I think the organization of the manuscript needs improvement. The manuscript mentions that the data sets include 668 tests. What are the conditions of each test? I think there should be a table on the conditions of each test and the measurements being made for each test as a summary of the data set? The conditions of the vegetation, e.g. modulus, size, submergence ratio, is not clear to find, at least for me. I think this information should also be summarized and the test conditions should be organized by categories.