Reply on RC2
Huaqing Wu et al.

Dear Editors and Reviewers:

Sincere thanks for the evaluation of this work and your valuable comments and suggestions for improving this manuscript. We carefully considered the concerning points and made efforts to improve the rigor, logic, and clarity of our manuscript (essd-2022-273) titled "AsiaRiceYield4km: Seasonal Rice Yield in Asia from 1995 to 2015". Here we submit the revised version, which has been modified according to the comments from the reviewers. The major changes that we made in the revised manuscript are summarized as follows:

(1) To make the manuscript more readable, some words and phrases were clarified including case, administrative unit, and the three key phenological dates.

(2) To further illustrate the dataset division rules and gridded yield estimation, we revised (1) Dataset division rules and added one paragraph named (5) Gridded rice yield generation in Sect. 2.3.3. Figure 2 step3 was also revised correspondingly.

(3) As suggested, we added the temporal validation of AsiaRiceYield4km compared with observed yields (Sect. 3.2) and the temporal variation analysis of AsiaRiceYield4km from 1995 to 2015 (Sect. 3.4).

(4) Some uncertainty from GLASS LAI, crop intensity maps were added into Sect. 4.3 Uncertainty analysis.

(5) More information of the data sources and model parameters were listed in the revised supplement.

We attach the detailed item-by-item response to all comments and suggestions for the evaluation.

Yours sincerely,

Zhao Zhang and co-authors
Please also note the supplement to this comment: