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Comment

# ***Interactive comment on “Numerical experiments of storm winds, surges, and waves on the southern coast of Korea during Typhoon Sanba: the role of revising wind force” by J. J. Yoon et al.***

**J. J. Yoon et al.**

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The author thanks the referee for the kindly review work and for the opinion. We have answered point-by-point.

Referee 1. The paper is an excellent piece of scientific work that improves the predictability of typhoon-induced winds, surges and waves by using a relatively new method in wind estimation.

Authors : Thanks for kindly comments.

Referee 2. The overall size of the paper is more or less lengthy including the tables

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and figures. The main context could be made compact by reducing the contents of "4.1 Storm surges and surface wave models". Number of the tables and figures is preferred to be reduced.

Authors : Chapter 4.1 contains the brief description of numerical models, important parameters and experimental designs for storm surge and wave simulation. This part is already summarized, which could not be reduced more. In addition, I'd like to keep all tables and figures which include important meaning. Thanks for kindly opinion.

Referee 3.If possible,some additional comments for the further work such as "more investigation on structured morphology effect on land roughness" would be highly recommended.

Authors : Thanks for the kindly suggestion. Structured morphology effect which is considering land elevations, building heights, the mountains, etc. is also important factor on the land roughness. We'll continue this research including this opinion.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 5315, 2014.

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