Natural Hazards
and Earth System
Sciences

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Discussions

Interactive comment on "Developing an early warning system for storm surge inundation in the Philippines" *by* J. Tablazon et al.

Anonymous Referee #1

On the title - the manuscript describes the development of a hazard map to be used by disaster managers. The impression I got from the title is the development of a model or system that predicts a storm surge from an incoming typhoon. Perhaps the term "early warning system" is not the best choice for the title, something in the line of risk or hazard analysis/planning maybe more appropriate.

main text - you mentioned more than 6000 people lost their lives in Typhoon Haiyan, was all of that due to storm surge? it would appear so in the manuscript - abstract should be a summary of the whole article, yet no results were mentioned in that section, it appears more like an introduction

- are there events where you can compare your simulated results with actual inundation

due to storm surge? If yes, it'll be beneficial to include - from the enumerated factors that determine a storm surge, wind direction is vital, and in line with this, is it possible to show which storm path/track produces significant storm surges in the area (is it to the north, south of the study area?) - the authors mentioned that "PSWS 1 at 1 % probability of exceedance has higher flow 15 depths compared to that of PSWS 2. This is not to be expected...", this is because of wind velocity used in the model are forecast winds. But the authors also mentioned using winds from JMA best track archive, which is a reanalyzed data, can this be explained further?

Figures - fig.2 , are those simulated or from best track data?