

Review results: nhess-2013-183

Title: Characteristics of high waves observed at multiple stations along the east coast of Korea

Recommendation: Major Revision

General comments:

The manuscript presents characteristics of high storm waves along the east coast of Korea based on observations of wind waves. I found that the information provided in the manuscript is comprehensive and useful in advancing our understanding of the process of high storm waves in the East Sea in winter. However, I feel the manuscript is very lengthy and descriptive with many figures that could be shorten/reorganized for better presentation for readers. I think it is acceptable for publication in NHESS after reflecting the following major and minor comments in the manuscript.

Major comments:

1. It could be much better to include the detailed bathymetry in front of the stations in Figure 1.
2. The figure captions should be more informative. For example, it would be more informative for readers if the sentence from P3381L14 to P3381L16 is moved to the caption of Fig. 6. It applies to other figures as well.
3. For some figures, it could be better to combine to be more informative for readers, reducing the number of figures at the same time. For example, the Figs. 4 and 5 are better to be combined. For Sokcho and Jukbyeon, the wind and wave direction, and the wind speed and wave height in Figs. 8, 13 and 14 are better to be combined. Even Figs. 11, 12, 8, 13, and 14 for each or one of the high wave events could be combined similar to Fig. 3 in Lee (2013) to be more informative and integrated, and to highlight the direct influence of the meteorological conditions.

Minor comments (P: Page number, L: Line number) :

1. P3376L20: the East sea => the East Sea
2. P3377L4: abnormally => This word sounds in more statistical sense such that it needs some evidence or criteria for normal and abnormal waves.
3. P3378L23: LT => Local Time? Does it indicate the Korean Standard Time (KST)? In addition, the time zone should be mentioned for the date and time described throughout the manuscript.
4. P3382L7: the double peaks => Please, explain how the two peaks are divided to calculate the Hs for each peak?
5. P3383L10: $f=0.15$ Hz => $f=0.15 \sim 0.2$ Hz would be more precise.
6. P3383L10: “,which could be a result of self-wave interaction activated under string wind forcing.” => Please, provide a reference if any.
7. P3383L13: condition => conditions
8. P3384L9: of East Sea => of the East Sea
9. P3385L26: of East Sea => of the East Sea
10. P3385L4: “can relatively clearly be identified directly” => by visual way?

11. P3393L11: to East Sea => to the East Sea

Reference

Lee, H.S., 2013. Abnormal storm waves in the East Sea (Japan Sea) in April 2012 In: Conley, D.C., Masselink, G., Russell, P.E. and O'Hare, T.J. (eds.), Proceedings 12th International Coastal Symposium (Plymouth, England), *Journal of Coastal Research*, Special Issue No. 65, pp. 748-753, ISSN 0749-0208.