

## ***Interactive comment on “Predicting freakish sea state with an operational third generation wave model” by T. Waseda et al.***

### **Anonymous Referee #5**

Received and published: 17 February 2014

The authors should be commended in how they have built upon earlier work that demonstrated the role of spectral geometry in the generation of dangerous sea states and utilized a specific marine incident and numerical hind-casts to demonstrate their prediction. By using the specific Onomichi–Maru incident they are able to clearly show how dangerous sea states can be predicted by examining the time evolution of the wave spectrum. Similarly, by using an established operational wave model (WAVEWATCH III) for the hind-cast they strengthen their argument that the practical predictions of dangerous sea conditions can be made. One of the strengths of this paper is there is sufficient detail for others to utilize the same analysis of wave buoy data or other marine accidents.

The following typographic errors were also noted and should be corrected before publication.

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lication. Page 6258, Line 8, “DIA” and “SRIAM” need to be written out, as the reader has no understanding of their meaning at this point. Page 6263, Line 21, “December” is misspelled as “Decemeber”

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 6257, 2013.