

## ***Interactive comment on “Rogue waves in a wave tank: experiments and modeling” by A. Lechuga***

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With respect to the first point efforts have been made to improve the English, completing when necessary the details. In the introduction the references are grouped in 3 main items: 1)Probability of occurrence and general, Zakharov, Bitner-Gregersen and Toffoli 2)Characteristics of rogue waves, Jansen and Onorato et al. 3)Experimnets, Pelinovsky ,Lechuga, Shemer and Kit I have reorganized these references.(lines 20-26 in page 1)

A more detailed description of the wave maker is made (lines 17-19 pag.2) The number and location of the wave sensors and the characteristics of the wave group are answered between lines 21-25. Deep water range(line 26) All figures have the corresponding units and titles. In some cases (in this revision) I have incorporate explanations to clarify them.. After many attempts following Akhmediev (see references) I got a

C978

kind of symmetrical Spectrum truncated as indicated by the reviewer( 0.042-0.098 Hz.) I have defined the parameters in the Ginzburg-Landau equation and I have given values to the parameters to relate  $u$  to the experiment. Of course there is a relationship of the G-L and the NLS but in this case it seems to me that the G-L equation is more suitable to study cases with conspicuous regularities. I think I have answered all questions. From here I thank the report 2 that, surely, have improved the text significantly.

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