

This paper describes the contribution of the tropical cyclones and cold fronts to the extreme waves in the Colombian coast. Although nothing really new is shown in this work, It might have some interest for the characterization of the wave climate in the Caribbean Coasts of Colombia. Under my consideration, this paper could be accepted after major revisions. I suggest the authors rewriting the paper, avoiding repeating ideas and superfluous message. One paper like this should be shorter and clearer.

Major comments

Although the title looks really interesting, once one starts reading the manuscript soon realizes that it is not well organized and the English is very poor (I strongly suggest an English revision of the manuscript). The structure of the paper is not well defined. The abstract is too long and gives many unnecessary details that difficult the understanding of the main message. The scientific approach that the authors use in this work is well justified but there is some important aspects that should be clearly explained. They calibrate the significant wave height by linear regression based in an off shore buoy applying the obtained coefficients to the rest of the reanalysis points which cover a very wide area, it should be clearly explained.

The determination of the seasonal extreme value distribution and its extrapolation to the 50 to 100 years returns period lack of significance because the time series do not cover more than 15 years. Moreover, the time series has been splitted in two seasons (wet and dry seasons), minimizing the number of extremes that can be used in the extreme value analysis. At this point, it seems smarter to use a time-dependent extreme value model to characterize the seasonal variability of the extreme waves (see Menendez et al., 2008; *The influence of seasonality on estimating return values of significant wave height* published in Coastal Engineering) Apart from that, if the major findings of this work is that extreme wave events can be produced under different atmospheric conditions (cold front an TCs) I miss a map in the results where maximum or a high percentile of the long term distribution for the two seasonal periods were shown.

For areas that can be affected by tropical cyclones, the extreme value distribution should be determining considering that may be the worth event is not in the 15 years database. A stochastic TC track simulation model should be used to solve these uncertainties.

The climate of the area should be briefly described in the study area section instead doing it in the results and other parts of the document. I also miss some example of the synoptic situations that characterize the cold front and TC storms.

Minor comments

- Figure 1 and 2 are localization maps that should be resumed in one figure, specially avoiding the Google Earth screen copies.

- Figure 4 it's not necessary in the paper but in case the authors use it they should label the figure
- Figures 6 and 7 could be in one figure. Axes should be squared.
- Figures 5, 8, 10, 11 are not well labeled (text is too small) and they can be grouped in one figure if the most representative point in each zone is shown.
- I don't know why the authors show Figure 12, it has no sense for me. Same for Figure 9.
- There are many writing tips and weird ways to write the sentences that make the reading of the document quite difficult. It can be solved with a revision by a native English person.