

Interactive comment on “Excitation of equatorial Kelvin and Yanai waves by tropical cyclones in an ocean general circulation model” by R. L. Sriver et al.

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I feel that this paper presents some interesting results that could easily influence the direction of future research. As such, I feel it should be published pretty much as it is. I must confess that I am not overly familiar with the wave mechanisms under discussion, but none-the-less the evidence appears compelling that wave features do exist.

I felt the introduction provides a comprehensive summary of the literature already published in the field, and the authors were always open about the limitations of their methodology. I did wonder if the first sentence of the conclusion needed to also reflect that caution - perhaps they could note that is "a TC event" and that it is "in an ocean

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model".

My only significant comment was about the 3x cyclone wind simulation. It is mentioned that such a simulation exists on p1004, yet figure 6B appears to contain results from the 2x simulation. Why is there no further discussion and information shown from this sensitivity study?

I was also left wondering if the authors had looked for wave features in the observational data for 1997, to show evidence that the features neither occur every year in data nor are associated with the non-cyclone forcing data.

Interactive comment on Earth Syst. Dynam. Discuss., 3, 999, 2012.

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