

April 25, 2022

TO: Editors, Nonlinear Processes in Geophysics

FROM: Steve Ramp, Lead Author

RE: Response to final round of review: "Observations of shoaling internal wave transformation over a gentle slope in the South China Sea," by S. R. Ramp et al.

Thanks for your latest careful read and comments. I have addressed them as follows:

1. Use of "phase speed:" You are quite right. I changed "phase speed" to "propagation speed" in lines 582, 606, and 608.
2. Conditionality of the u/c concept. I'm fine with the more definitive statement. The words "can potentially" have been deleted in line 555.
3. Magenta "arrow" in Figure 2. The more I look at it, I think it is better to just get rid of it entirely. It is never referred to in the text. It's just a sketch (not quantitative) and kind of clutters up the plot. I removed the graphic and the accompanying red baseline from the figure and also eliminated the words referring to it in the figure caption.

I think we are good to go now. A version 4 is hereby resubmitted with these changes implemented. Thanks very much for considering our paper for publication in NPG. I always appreciate the high-quality editing at NPG which to my mind is a cut above most other refereed journals. Please let me know if there is anything else that we need to do to move ahead.

Sincerely,

Steve