

Interactive comment on “Systematic evaluation of the impacts of GPSRO data on the prediction of typhoons over the Northwestern Pacific in 2008–2010” by Y.-C. Chen et al.

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Anonymous Referee #2

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I have gone through the revised manuscript and responses provided by the authors for comments from the previous round of discussions.

The quality of this manuscript is much improved, and I commend the authors for a nice article on impacts of GPSRO data on TC forecast improvements.

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I also encourage the authors to extend the GPSRO impact study using more recent super typhoons, especially on intensity forecasts.

Author's response:

Thank you very much for your comment. Because the number of COSMIC GPSRO soundings is relatively large before 2010, we restricted the experiment cases to the period of 2008 to 2010 for a relatively homogeneous comparison. In our future work, we plan to use GPSRO data from other satellites on top of COSMIC data for more recent typhoon cases. With a sophisticated observation operator and a high-resolution mesoscale model, the impacts of GPSRO on the typhoon prediction can be evaluated in terms of both track and intensity.

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