

Geosci. Model Dev. Discuss., editor comment EC3
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Comment on gmd-2021-354

Yuefei Zeng (Editor)

Editor comment on "On the impact of dropsondes on the ECMWF Integrated Forecasting System model (CY47R1) analysis of convection during the OTREC (Organization of Tropical East Pacific Convection) field campaign" by Stipo Sentić et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2021-354-EC3>, 2022

After reading the article and response to the reviewers, I have two small comments:

1) The selection of control variables can be very important. There are studies showing that choosing divergence and vorticity as control variables produces smoother analyses than zonal and meridional wind (e.g., Xie and MacDonald 2012, Pure and Applied Geophysics). Nevertheless, it is fine if authors can provide information on control variables.

2) I agree with reviewers, it is strange to say that positive values of departure denote deficit in the model. I think both negative and positive values of departure denote model bias. Please rephrase the sentence.

I encourage authors to submit the revised manuscript.