

Interactive comment on “Maximization of the precipitation from tropical cyclones over a target area through physically based storm transposition” by Mathieu Mure-Ravaud et al.

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I congratulate the authors for the innovative tropical storm transposition using the numerical weather model. I have been skeptical about the numerical model based PMP estimation for tropical storm regions. Although this methodology may be difficult to ensure maximizing precipitation in a target watershed, these numerical experiments are scientifically very interesting as well as potentially useful in practice. Therefore, I believe this manuscript should be accepted for publication in the HESS.

I have a few minor optional questions on this work: 1. Is there any risk of numerical instability due to the storm transposition? 2. What state variables did you modified?

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It may be worth to list up the state variables in the WRF simulations in this article.
3. When the atmospheric state variables is interpolated, is there any note on the topography effect?

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