

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC2  
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## **Comment on nhess-2022-101**

Anonymous Referee #2

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Referee comment on "Multi-mission altimetry data to evaluate hydrodynamic model-based stage-discharge rating curves in flood-prone Mahanadi River, India" by Pankaj R. Dhote et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-101-RC2>, 2022

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Unfortunately, I do not see any major new contribution in this paper. The authors try to justify their new contribution by showing the relative performances of altimetry-based rating curve and model-generated rating curve at ungaged virtual locations. This whole concept is not too different from what was presented in many previous studies, including Paris et al. (2016) and Tarpanelli et al. (2013).

Paris et al., 2016. <https://doi.org/10.1002/2014WR016618>

Tarpanelli et al., 2013. <https://doi.org/10.3390/rs5094145>