

Interactive comment on “Evaluation of WRF-DART (ARW v.3.9.1.1 and DART manhattan release) multi-phase cloud water path assimilation for short-term solar irradiance forecasting in a tropical environment” by Frederik Kurzrock et al.

Anonymous Referee #2

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The authors investigate the impact of assimilating cloud water path on global horizontal irradiance. The manuscript documents well the background and the originality of the research. The experimental set up is also well described and the explanation of results is clear. The contents of the article should be of interest for GMD readers and I therefore recommend publication of the manuscript. Perhaps the authors can elaborate a bit more about the relatively low improvement in the GHI predictions (3-4%) and potential refinements of their method.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-29>,
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