

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.

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Dear Executive Editor,

Thank you for your comment and for bringing this issue to our attention.

We have uploaded the namelist files for WRF and DART to Zenodo. Moreover, we will clarify the location of the GFS and GEFS files on the NCEP servers that are required to run WRF.

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The following input and configuration files are required to run our simulations:

- The GFS and GEFS input data as specified in the section "Code and data availability".
- The SatCORPS data for Meteosat-8 as specified in the section "Code and data availability".
- The WRF Preprocessing System (WPS) namelist as given in the Zenodo archive.
- The WRF-ARW namelist as given in the Zenodo archive.
- The DART namelist as given in the Zenodo archive.

We will add this information to the paper in the section "Code availability and data availability":

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The WRF-ARW and DART namelists used in the experiments are available here: <https://doi.org/10.5281/zenodo.3354949>. The WRF configuration for the cycling and the free forecast experiments is identical.

GFS and GEFS data are available at <https://www ftp.ncep.noaa.gov/data/nccf/com/gfs/prod/> and <https://www ftp.ncep.noaa.gov/data/nccf/com/gens/prod/> respectively.

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We hope we have solved the issue with this solution.

Kind regards,

Frederik Kurzrock on behalf of all Co-Authors

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