Geoscientific

Model Development

Discussions

[GMDD]

Interactive
comment

Interactive comment on "Observational operators for dual polarimetric radars in variational data assimilation systems" *by* Takuya Kawabata et al.

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We appreciate useful comments for improving our manuscript. We respond to the comments as follows:

[Comment by Dr. Astrid Kerkweg] Therefore provide the name and the version number of the newly developed operators in the title of your revised manuscript.

[Response by the authors] The title "Observational operators for dual polarimetric radars in variational data assimilation systems" will be changed to "Observational operators for dual polarimetric radars in variational data assimilation systems (PolRad VAR v1.0)". In addition, the sentense "We call the current version of the operators as PolRad VAR v1.0." will be added to the end of P2L15.

[Comment by Dr. Astrid Kerkweg] Please note that in the code accessibility section you can still point the reader to how to obtain the newest version. If for some reason the code and/or data cannot be made available in this form (e.g. only via e-mail contact) the "Code Availability" section need to clearly state the reasons for why access is restricted (e.g. licensing reasons). Especially, please note, that it is not enough, that the code will be available in the future. It must be available now and the exact version of the code published in this article needs to be made available.

[Response by the authors] The code availability section in page 9 will be modified to clarify more how to get the code as follows: "Since PolRad VAR v1.0 for NHM-4DVAR belongs to the Meteorological Research Institute of the Japan Meteorological Agency and is not publicly available, any researchers interested in the code are encouraged to contact the corresponding author and sign a contract for license to get the code. Although PolRad VAR v1.0 for WRF Var is currently being implemented into the community version of WRF Var and will be accessible at the WRF repository (http://www2.mmm.ucar.edu/wrf/users/downloads.html) in the near future, any researchers interested in the current form of the code can get it from the corresponding author via e-mail."

Interactive comment on Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2018-43, 2018.