

DATEs: A Highly-Extensible Data Assimilation Testing Suite v1.0

Ahmed Attia and Adrian Sandu

Dear Editor,

Please find attached the marked-up revised version of the manuscript “DATEs: A Highly-Extensible Data Assimilation Testing Suite v1.0” by A. Attia and A. Sandu.

We thank the reviewers for their useful feedback. A point-wise list of responses to each of the reviewers’ comments is attached.

Regards,
Ahmed Attia

Referee #2; Kody Law:

The paper is substantially improved, and it can be published once the other referees are satisfied. **Answer:** Thank you.

1. Note equation (10) is not correct and should be corrected. **Answer:** We kindly argue that the equation itself is correct, however we agree that there is some confusion caused by the text following that equation. This issue is now addressed in the updated version of the manuscript; see page 19.
2. A mathematical definition of rank histogram should be given, for the results shown, since there is not a unique way to define it. **Answer:** We value this suggestion, however, to keep the discussion simple and to avoid any confusion, we refer the readers to another article which presents a mathematical description and a detailed discussion on the interpretation and usefulness of rank histograms. The text has been updated accordingly; see page 20.