[GMDD]

Interactive
comment

Interactive comment on "Performance evaluation of throughput-aware framework for ensemble data assimilation: The case of NICAM-LETKF" *by* H. Yashiro et al.

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The paper describes the design and technical implementation of an EnKF DA system for weather prediction at high spatial resolution and with a large ensemble size. The discussion specifically tackle the input/output and inetr-node communication in this setup. As these are aspects not often discussed in the literature and are important concerns for this type of applications, I believe the paper is a valuable contribution, especially for the operational data assimilation community. I think the paper could be further strengthened by addressing two aspects: 1) The paper does not seem to reference enough previous work in the scalability problems of EnKF systems at high resolution/ensemble size; 2) An important aspect for this type of applications are the load balancing issues, especially in connection with inhomogeneous observing systems.

Interactive comment on Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-4, 2016.