

Interactive comment on “The Met Office Unified Model Global Atmosphere 6.0/6.1 and JULES Global Land 6.0/6.1 configurations” by David Walters et al.

Anonymous Referee #1

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The manuscript describes the latest operational configuration of the UM. As this is a full operational model coupled to a land model, there is a tremendous amount of topics to be considered in this manuscript. It is praiseworthy how the authors manage to keep an overview over the various topics and point the readers to in-depth literature where necessary. Therefore, the paper is interesting and informative to read in all its sections.

From the scientific viewpoint I found the positive impact of a less inherently damping dynamical core interesting and well documented. The tuning of for instance the convection scheme is traceable documented.

Encouraging are the improved results, the better scaling on the multi-processor machine, and the obviously well-organized code tracking system.

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Interactive comment on Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-194, 2016.

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