

## ***Interactive comment on “JULES-GL7: The Global Land Configuration of the Joint UK Land Environment Simulation version 7.0” by Andrew J. Wiltshire et al.***

**Lucy Zhang**

jazoppo78@gmail.com

Received and published: 6 August 2019

Dear Professor Wiltshire

I would like to know why Jules users should use configuration GL7 rather than older configurations such as GL4. Please can you explain how GL7 compares to the other configurations that are described in the Jules documentation: <http://jules-lsm.github.io/vn5.1/science-configurations.html>

The Jules web-pages show some benchmarking for these older science configurations: <https://jules.jchmr.org/sites/default/files/ILAMB%20Benchmark%20Results.png>

C1

How does GL7 skill compare? I couldn't find a similar table in the GL7 manuscript. Such a Table would help choose the best science configuration for my project.

The manuscript mentions Table B2, but it doesn't exist. Also I am confused whether the Jules canopy heights are remotely sensed or not. The Jules ancillaries I have looked at do not appear to use remotely sensed data. The numbers in Tables 6 and 7 look like "Guesstimates" rather than anything derived from observations or satellite measurements. Please can you provide plots of the Jules canopy heights.

---

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2019-152>, 2019.

C2