

Interactive comment on “The Joint UK Land Environment Simulator (JULES), Model description – Part 1: Energy and water fluxes” by M. J. Best et al.

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Received and published: 6 July 2011

1. References to other land models have been added to the text.
2. We feel that the number of parameters within the model mean that this would make the paper unbalanced and difficult to read. However, they are all listed within the use manual which has been included as supplementary information.
3. We apologise for the duplication of some symbols within the equations. This has been corrected.
4. An appendix has been added which lists all of the symbols used within the equations

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in the text. In addition, this appendix includes the units for the quantities, a description of the quantity and the equations where it is used within the text.

5. Equation numbers has been added to all equations.
6. This has been clarified within the text.
7. Text has been added to explain how and where this relationship was derived.
8. As 3 above.
9. As 3 above.
10. A reference has been added.
11. A reference has been added.
12. A reference has been added.
13. This is now referenced within the text.
14. The text has been changed to clarify this.
15. The text has been changed to clarify this and a further reference to the appropriate paper has been included.
16. This table has been removed and replaced by the appendix which contains all symbols used in the equations within the manuscript. The appendix includes the units for the symbols.
17. The figure caption has been change to clarify that the thresholds are for illustrative purposes.

Interactive comment on Geosci. Model Dev. Discuss., 4, 595, 2011.

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