

Interactive comment on “Coupling between the JULES land-surface scheme and the CCATT-BRAMS atmospheric chemistry model (JULES-CCATT-BRAMS1.0): applications to numerical weather forecasting and the CO₂ budget in South America” by D. S. Moreira et al.

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Received and published: 22 March 2013

The code is available for download, subject to obtaining the JULES license.

I already have the license from when I edited another JULES paper for GMD so I went ahead and successfully downloaded the code. The guide.pdf available for download is a very nice piece of work. I would like you to upload that as part of the supplementary information in your revision - as an example for others!

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I successfully compiled several libraries, but was unfortunately not able to compile your included version of netcdf, which was a bit of a mystery. Nevertheless I followed through the instructions as far as compiling the model and everything seemed to make sense and be complete. And the error messages from my compiler were making sense too. So I didn't get as far as completing the testcase, unfortunately, but for only a one hour's effort on my part, this is not too bad a result.

In summary, I think the accessibility of this model is above average for model descriptions presently being submitted to GMD. I feel generally positive about the efforts you have so far made towards making the model accessible and usable to others.

The remaining problem is the requirement to email the first author of the paper in order to get the model code. What happens when the author moves to a new job? There needs to be some way of making this version of the code available that is robust to this eventuality. I wonder if perhaps the JULES people might include a link to this GMD paper on their website and host this version of code and make it available (it's not a very big download),. This would avoid the problem of people not having the JULES license before obtaining the code. ???

Interactive comment on Geosci. Model Dev. Discuss., 6, 453, 2013.