Geosci. Model Dev. Discuss., 7, C775–C776, 2014
www.geosci-model-dev-discuss.net/7/C775/2014/

Geoscientific Model Development Discussions
Open Access

Interactive comment on "Direct numerical simulations of particle-laden density currents with adaptive, discontinuous finite elements" *by* S. D. Parkinson et al.

S. D. Parkinson et al.

s.parkinson11@imperial.ac.uk

Received and published: 5 June 2014

We are very pleased that you are satisfied with the adjustments that we have suggested. Thank you for the last few comments. You are correct that the adjustment should read 'ten times the annual sediment flux' rather than 'ten times the sediment flux'. We also hope that you approve of the image included in response to P. A. Ulrich's comment, although we do not believe it quite meets your request. It is not easy to describe the stages of the adapt process using images of the mesh in this simulation. To help readers understand the adapt process in more detail we propose adding a reference to Piggott et al. (2008) which explains the adapt process verbosely and has

Full Screen / Esc
Printer-friendly Version
Interactive Discussion
Discussion Paper

excellent images describing each step of the process.

References

Piggott, M. D., Pain, C. C., Gorman, G. J., Marshall, D. P., and Killworth, P. D.: Unstructured adaptive meshes for ocean modeling, Geophysical Monograph Series, 177, 383–408, 2008.

Interactive comment on Geosci. Model Dev. Discuss., 7, 3219, 2014.