

Interactive comment on “Effect of self-stratification on sediment diffusivity in channel flows and boundary-layers: a study using Direct Numerical Simulations” by S. Dutta et al.

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We thank the reviewer for the thoughtful and thorough review of the manuscript. We are happy that apart from specific questions about the paper, he also raised general questions, which we think will contribute to improving the manuscript. We have tried to answer all the queries put forth by the reviewer and we have also made corresponding improvements to the manuscript. For detailed response to the questions please refer to the attached document.

Please also note the supplement to this comment:

C754

<http://www.earth-surf-dynam-discuss.net/1/C754/2014/esurfd-1-C754-2014-supplement.pdf>

Interactive comment on Earth Surf. Dynam. Discuss., 1, 923, 2013.