

Interactive Comment on Revised Submission of os-2016-88 “A modelling study of eddy-splitting by an Island/Seamount” by Shengmu Yang et al.

This revised manuscript has addressed most of my comments on the originally submitted version. I am fine with the scientific content now, but still see the need of improving the English. It should not be the duty of reviewers to correct the wording, so below I will just give a few examples for the authors to consider in revising the manuscript. On the other hand, I will have no issue if the Editor of the Journal sees the English presentation to be acceptable.

1. Abstract: L 8 “in the South China Sea” should be “under the condition of South China Sea”; “MITgcm” should be spelled out; L9 “The speed of” should be “The propagation speed of”. L10 “some eddies may split” should be “under certain conditions the eddy may split”; L12 “sensitivity experiments of .... indicate that” should be “sensitivity experiments with varying island or seamount geometry indicate that”; L16 “seamount depth” should be “seamount submergence depth”;
2. Introduction: There seems to be a lot jumping back and forth in this section between describing general characteristics of eddies and the particular condition in SCS. Can the authors consider re-organizing the sequence of presentation, such that the general characteristics are described first, followed by describing the SCS: which aspects are consistent with the general and which aspects are special? Alternatively, you can start with the first sentence “Eddies are common...”, then in the second sentence “Eddies are frequently observed in the South China Sea”, followed by describing previous studies on eddies in SCS, and one the way pointing out which aspects of SCS eddies are consistent with general characteristics (citing relevant papers), and which aspects are special.
3. P4L7 “abstracted to”?
4. P5L21 “geostrophic balance” was already mentioned at P4L11. Please try to avoid repeating.
5. L7P3-4, seems repeating P6L17.
6. P11L6 “Above all”?
7. P12L12 “by defining two dimensional parameters” is in fact “... the dependence on ... can be summarized using two dimensionless parameters”.
8. L13P7, “Y. Liu” either deleting it or changing to “Y. Lu”.
9. Fig.2 caption: insufficient information. Trajectory of 50 days but also the snapshot at day 50? Temperature at what depth? I suggest checking all the figure captions!