

***Interactive comment on “Improving the ensemble transform Kalman filter using a second-order Taylor approximation of the nonlinear observation operator” by G. Wu et al.***

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We thank the anonymous reviewer for his/her very helpful and insightful comments that lead to significant improvement of the quality of this manuscript. We have tried our best to address all the comments. In the supplement, we use boldface to indicate the comments from the reviewer and italics for our responses.

Please also note the supplement to this comment:

<http://www.nonlin-processes-geophys-discuss.net/1/C312/2014/npgd-1-C312-2014-supplement.pdf>

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C312

Interactive comment on Nonlin. Processes Geophys. Discuss., 1, 543, 2014.

C313