

Interactive comment on “Air–sea CO₂ fluxes in the East China Sea based on multiple-year underway observations” by X.-H. Guo et al.

Anonymous Referee #2

Received and published: 7 May 2015

This is a very well written manuscript with a wealth of data. I read it with interest and have only minor comments: 1. It is not clear how exactly the surface water pCO₂ data were corrected to 2010. 2. It is not clear why the authors chose to explain the low pCO₂ in Oct., 2006 based on the oxygen data. Why not use the chlorophyll data which is more directly related to blooms? 3. I think there are more data in the literature giving CO₂ fluxes in the East China Sea. A more detailed comparison is warranted. 4. It should be discussed why the ECS flux is so large.

Interactive comment on Biogeosciences Discuss., 12, 5123, 2015.