

Interactive comment on “Temperature dependence of coastal wetland ecosystem respiration confounded by tidal activities: a temporal perspective” by X. Xie et al.

Anonymous Referee #1

Received and published: 4 July 2013

The manuscript compares the efficiency of short and long term models to predict the regulatory effect of temperature on ecosystem respiration on a coastal wetland, and its confounding effects on the influence of tidal activity. Monthly, seasonal and half-yearly time scales were used for the modeling and CO₂ flux was measured by the eddy covariance method. There is not much information in general on respiration rates in coastal wetlands, let alone the regulator factors affecting them. As such, this paper provides extremely useful information; however, much can be done to improve the manuscript so that its message has the greatest impact. The scientific content is excellent but the sentence construction makes it very difficult to read and digest. I had to read sections more than once before I could gather the meaning. I feel the manuscript

C3269

needs extensive re-writing to make it flow better.

Interactive comment on Biogeosciences Discuss., 10, 4515, 2013.

C3270