June 24, 2015

Dear Professor Liu,

We very much appreciate the Reviewer’s constructive comments and all your inputs. I have corrected all the errors the reviewer pointed out in the revised manuscript. I hope the paper is now ready for final acceptance and publication in the ACP.

Thank you very much for your consideration and for your helpful comments.

Sincerely,

Chuixiang Yi et al.

Responses to Comments:

p7, line 2. Katul et al (2006) is not actually CFD. They use the analytical solution of Finnigan and Belcher (2004) to obtain the velocity fields, which are then used in a numeric implementation of their ecophysical and transport model to look at CO2 over canopy covered hills.

Authors:

We corrected the error by removing the reference and rephrased the sentence. Many thanks!

p10, line 18. "sufficient" not "efficient"

Authors:

Corrected.

p19, line 2. "in the top of the canopy"

Authors:

Corrected.

p19, line 5. "According to the flow location..."

Authors:

Corrected.