

Interactive comment on “Quality control of CarboEurope flux data – Part II: Inter-comparison of eddy-covariance software” by M. Mauder et al.

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We agree that the relatively small errors of 5-10% for single CO₂ flux estimates could accumulate to larger biases in annual net ecosystem exchange estimates. In order to address this issue, test datasets covering at least one year would be necessary. This could be the objective of another follow-up study.

As explained in the response to the comment of Referee #1, the conditions were the same for all software and the comparability between the software packages was not constricted a potentially too short period for determining the planar-fit coefficients. The quality of the regression coefficients could be tested for example by a Durbin-Watson statistic. However, this was not part of the software comparison. A comment on this issue was incorporated in the revised version.

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We thank Referee #2 for raising some open questions. We hope that we could address these concerns satisfactorily in our response and in the revised version of the manuscript.

Interactive comment on Biogeosciences Discuss., 4, 4067, 2007.

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