

Interactive comment on “Under a new light: validation of eddy covariance flux with light response functions of assimilation and estimates of heterotrophic soil respiration” by Georgia R. Koerber et al.

M. Reichstein (Editor)

mreichstein@bgc-jena.mpg.de

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Thanks for the overall constructive discussion. Just one point regarding the weighted least squares (La Place or Gaussian). Please consider "Lasslop, G., Reichstein, M., Kattge, J., Papale, D., 2008. Influences of observation errors in eddy flux data on inverse model parameter estimation. Biogeosciences 5, 1311-1324.", who show that the LaPlace distribution can be apparent only and caused by heteroscedasticity. Based on your assessment, you ought to choose absolute errors or squared errors (or try both and check how robust the results are).

C1

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C2