Interactive comment on “Ventilation of subterranean CO$_2$ and Eddy covariance incongruities over carbonaceous ecosystems” by A. Were et al.

Anonymous Referee #1

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Basically I think this paper is acceptable for publication as is. It is an original contribution that demonstrates the influence that atmospheric ventilation of soils and subsurface cavities can have on CO2 eddy covariance fluxes. As such this paper describes an important, but infrequently recognized, process that can have significant influence on soil CO2 fluxes. I really have only one suggestion or question that the authors might wish to address before publication.

(I) Equation (2) on page 10919 uses $|F_1|$ as the metric or normalization for the calculation of $\epsilon_r$ (epsilon_r). But I wonder if a better normalization factor would be $|F_1| + |F_2|$ for CO2 fluxes and $(F_1 + F_2)$ for the ET fluxes?
Interactive comment on Biogeosciences Discuss., 6, 10911, 2009.