

Interactive comment on “Tethered balloon measurements of biogenic volatile organic compounds at a Boreal forest site” by C. Spirig et al.

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This paper contains a comprehensive comparison and evaluation of various methods for deriving surface layer fluxes based on measured gradients. I want to add a small comment regarding the mixed layer gradient approach: Based on LES, Patton et al. (Q.J.R. Meteorol. Soc., (2002), 1-20) presented slightly modified gradient TD-BU functions due to the influence of a canopy, known to increase the mixing efficiency in the roughness sub layer. Above a canopy they propose to use $g_b = 0.75 * ((z-d)/z_i)^{-0.8}$, with d (displacement height), z_i (boundary layer height) and z (measurement height), instead.

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