



## Supplement of

## Lower-cost eddy covariance for $\mbox{CO}_2$ and $\mbox{H}_2\mbox{O}$ fluxes over grassland and agroforestry

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Figure S1. Average diurnal cycles of  $CO_2$  concentrations based on the entire campaign. Four different  $CO_2$  concentrations are shown, (i) the  $CO_2$  mixing ratio measured with a LICOR LI-7200 (CON-EC (red)), (ii) the final corrected  $CO_2$  mixing ratio measured with the LC-EC (LC-EC final (blue)), (iii) the raw  $CO_2$  mole fraction measured by the LC-EC (LC-EC uncor. (purple)) and (iv) the automatic Vaisala corrected  $CO_2$  mixing ratio measured with the LC-EC (LC-EC auto. (green)). The average diurnal cycles are shown for the grassland site in 2020 (a), the agroforestry site in 2020 (b) and the grassland site in 2021 (c).