Biogeosciences

Discussions

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Supplement of

Automation of soil flux chamber measurements: potentials and pitfalls

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Figure S1. Newly developed root mat within a LI-8100A collar discovered after collar removal in August 2014.
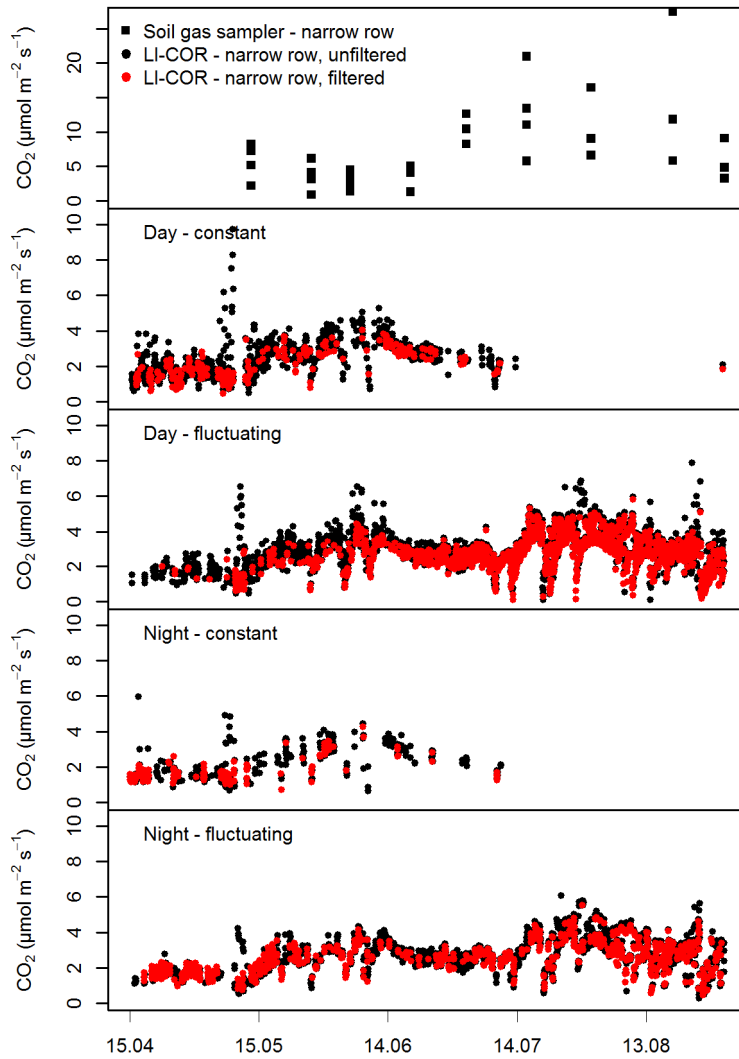
Figure S2. Soil gradient based CO_2 fluxes and unfiltered chamber CO_2 flux datasets for the entire monitoring period (narrow rows only). Carbon dioxide fluxes over time were grouped by time of the day and stability of the atmospheric CO_2 concentration at 50 cm above the soil surface. The datasets were divided into day and night based on sun rise and sunset times. Atmospheric CO_2 concentration was considered as constant when the standard deviation for a 3 min measurement prior to the chamber closures was ≤ 1.0 ppm.