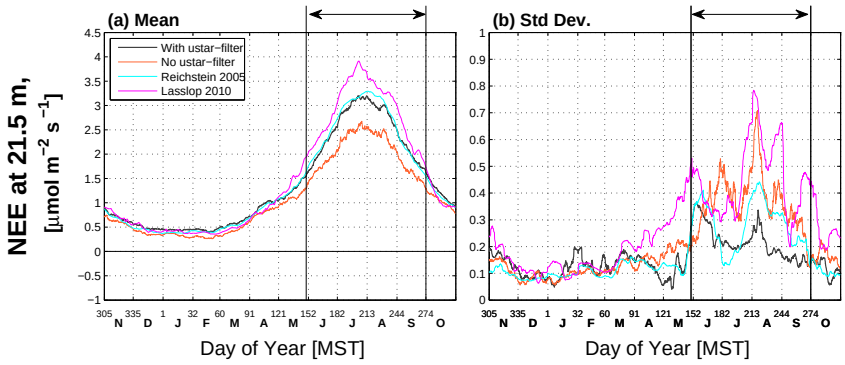

Figure S1. As in Fig. 2, showing only nighttime periods (0000–0400 MST) where ecosystem respiration R_{eco} is estimated from NEE with the u_* filter, without the u_* filter, following Reichstein et al. (2005), and from Lasslop et al. (2010) as shown in the legend.

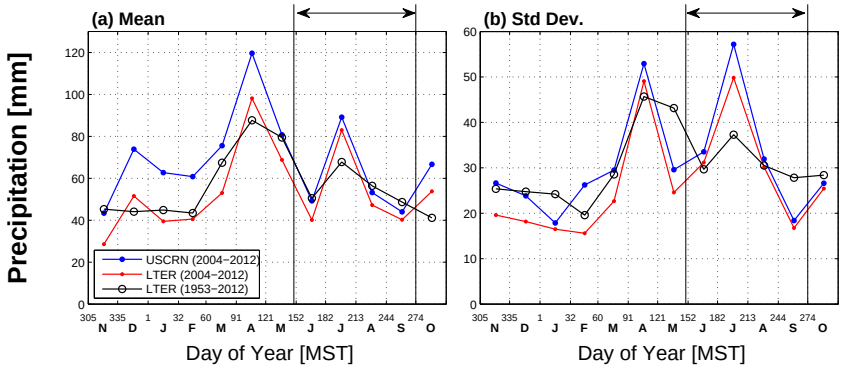

Figure S2. Monthly precipitation statistics from the LTER C-1 climate station between years 1953–2012 (Belfort gauge) and the USCRN Hills Mill station between years 2004–2012 of (a) the mean monthly cumulative precipitation and (b) the standard deviation of monthly totals among years. Additional details about the precipitation measurements are in Appendix A1. For comparison, the LTER Belfort gauge data between years 2004–2012 are also shown. Vertical lines with the arrows indicate the average warm-season period used for our study.