

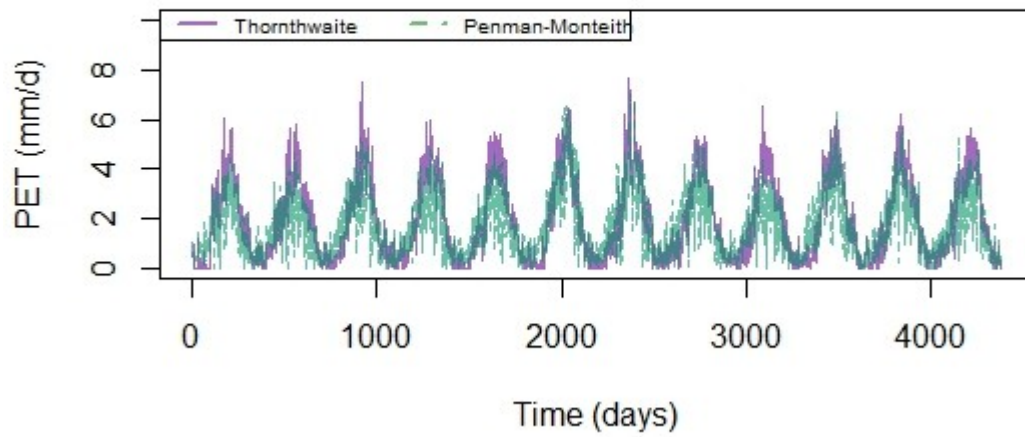


Figure 1: Comparison of PET estimated with Thornthwaite's approach to PET estimated with Penman-Monteith approach at the study site.

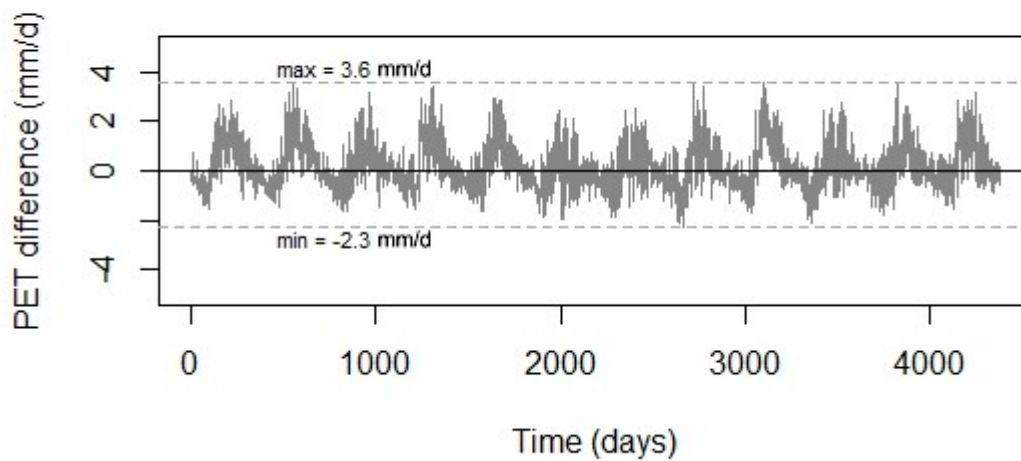


Figure 2: Differences between PET estimated with Thornthwaite's approach and PET estimated with Penman-Monteith approach.

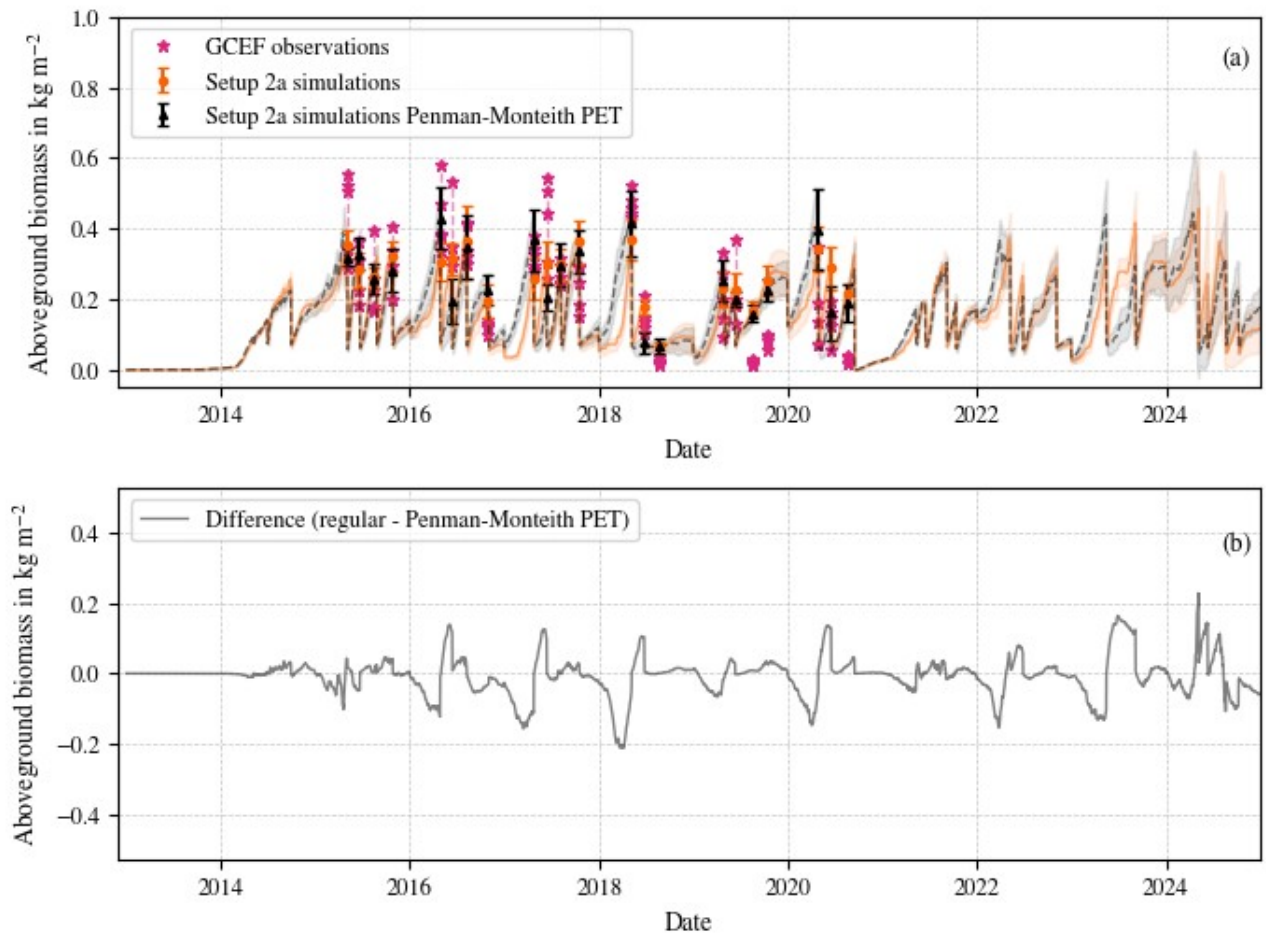


Figure 3: Comparison of mean results from 100 simulation runs between standard setup (Thornthwaite's PET estimates) and setup using Penman-Monteith PET estimates. Panel a) shows the mean simulation results on aboveground biomass and panel b) indicates differences (mean result of standard run minus mean result of run with Penman-Monteith PET estimates).

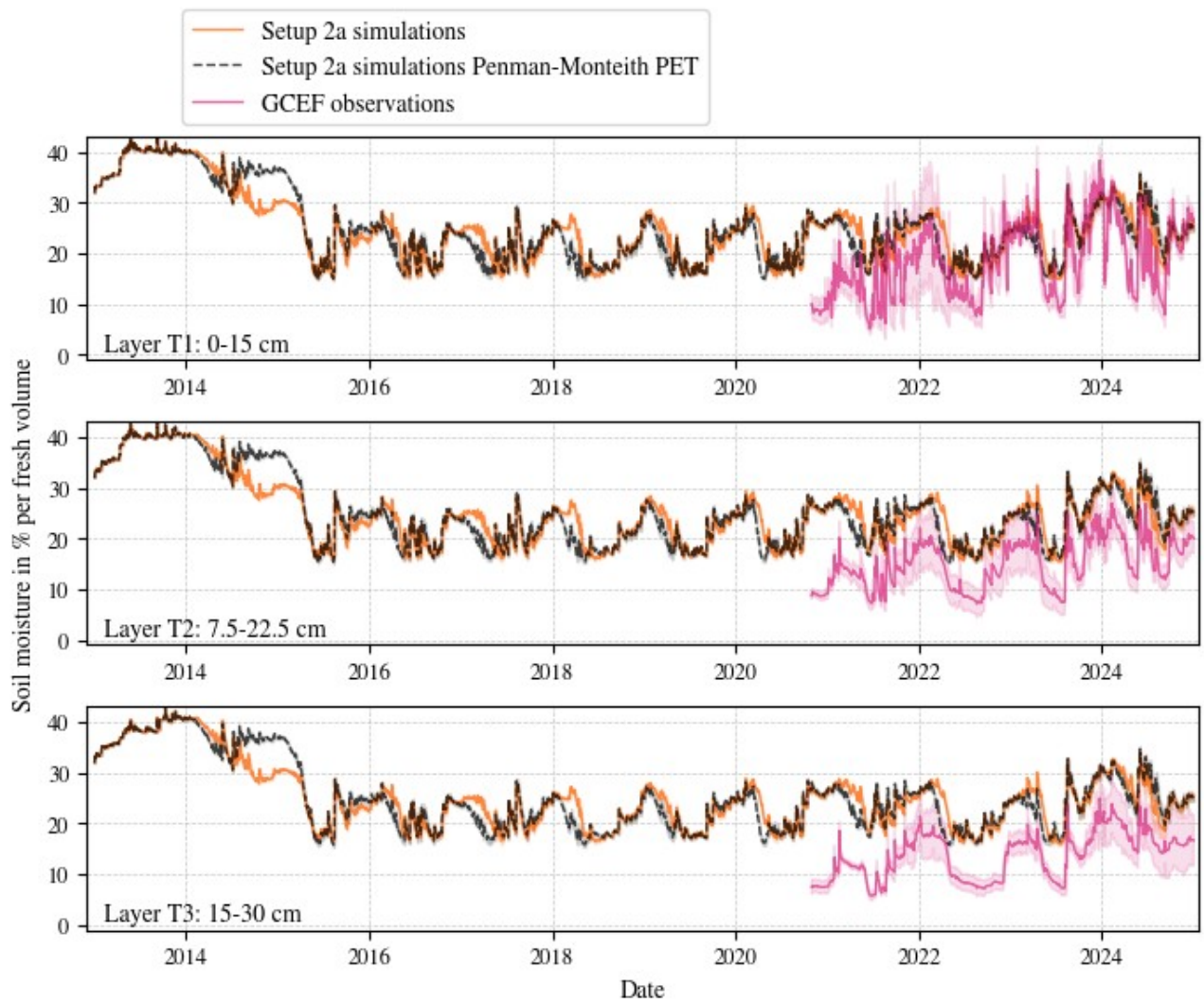


Figure 4: Comparison of mean results from 100 simulation runs between standard setup (Thornthwaite's PET estimates) and setup using Penman–Monteith PET estimates. Shown are the mean simulation results on soil moisture as well as the GCEF sensor data.