

Supplementary materials

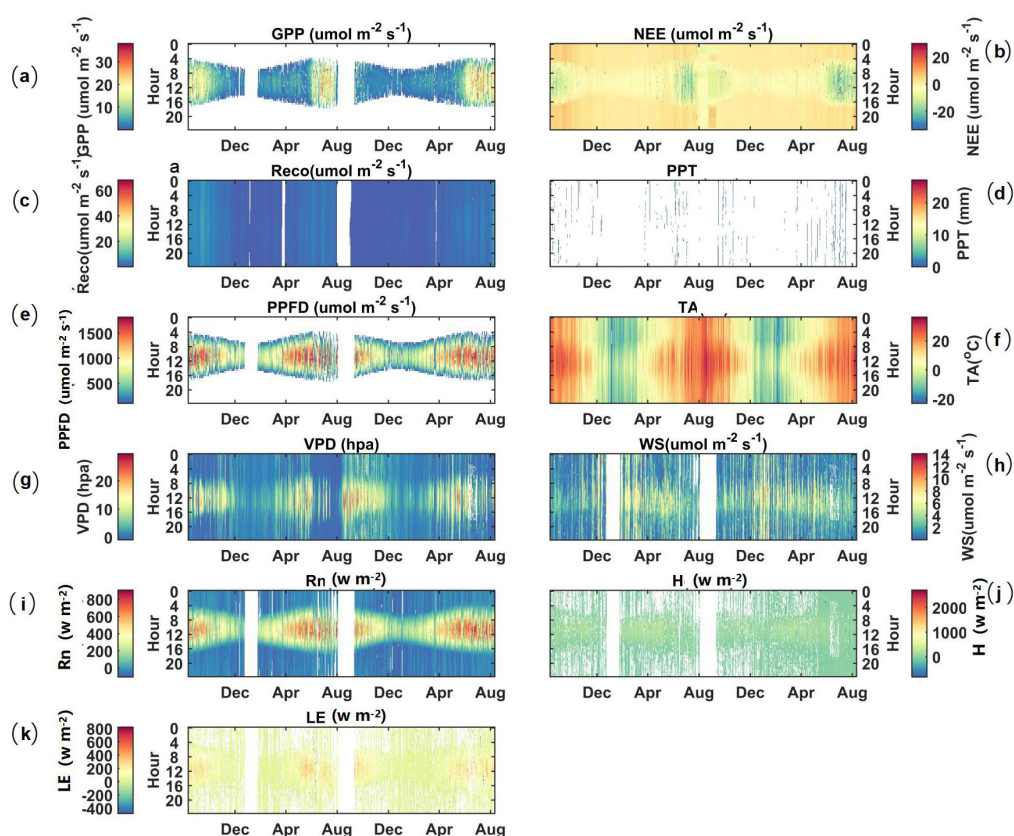


Figure S1. Diurnal variability of gap-filled NEE and partitioned Re and GPP in August 2021 - July (a). Half-hourly scale total primary productivity; (b). Half-hourly scale net ecosystem exchange; (c). Half-hourly scale ecosystem respiration; (d). Half-hourly scale precipitation; (e). Half-hourly scale photosynthetically active radiation; (f). Half-hourly scale temperature; (g). Half-hourly scale saturation vapor pressure deficit; (h). Half-hourly scale wind speed; (i). Half-hourly scale thermal radiation; (j). Half-hourly scale sensible heat; (k). Half-hourly scale latent heat.)

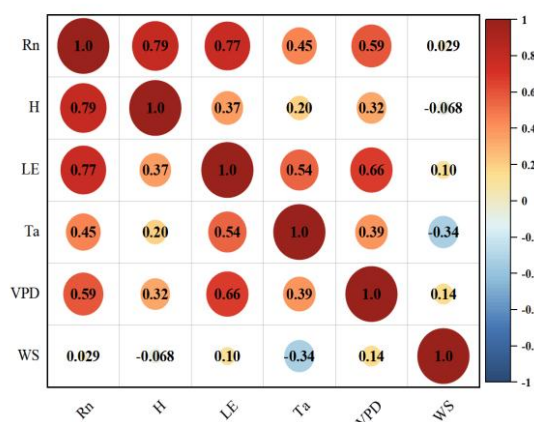


Fig S2. Half-hour heat map of caloric influencing factors