

Supplementary Materials

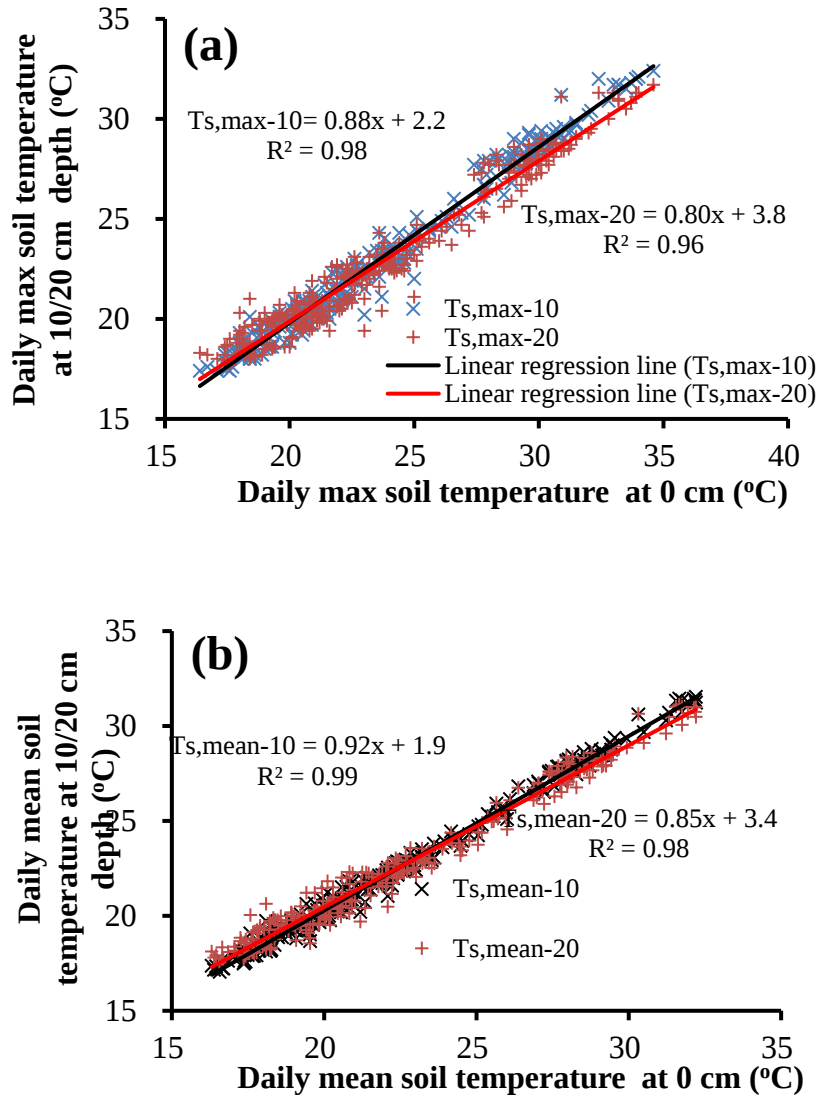


Figure S1. The relationships between daily maximum (a) and mean (b) soil temperatures at 10 and 20 cm depth to those at the soil surface (0 cm depth) inside the sunken solar greenhouse. $T_{s,mean-10}$, $T_{s,mean-20}$, $T_{s,max-10}$ and $T_{s,max-20}$ on figures are daily mean soil temperatures at 10 and 20 cm depth, and daily maximum soil temperatures at 10 and 20 cm depth, respectively.

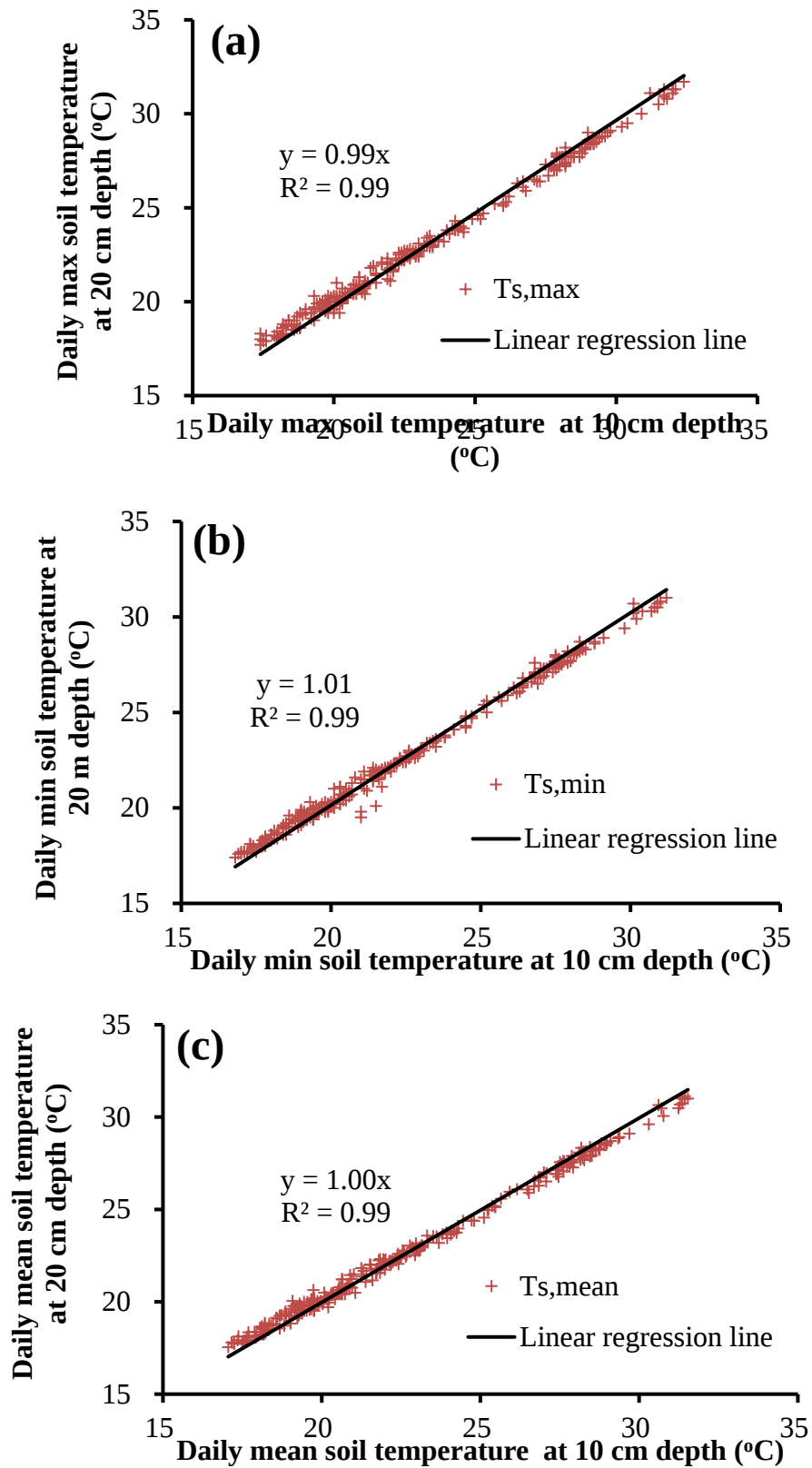


Figure S2. The relationships between daily maximum (a), minimum (b) and mean (c) soil temperatures at 20 cm depth to their corresponding soil temperatures at 10 cm depth.

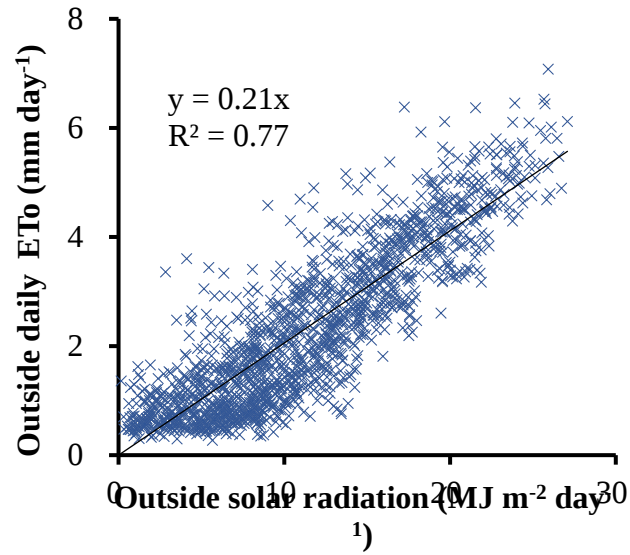


Figure S3. The relationships between daily ET_0 and solar radiation outside the SSG.

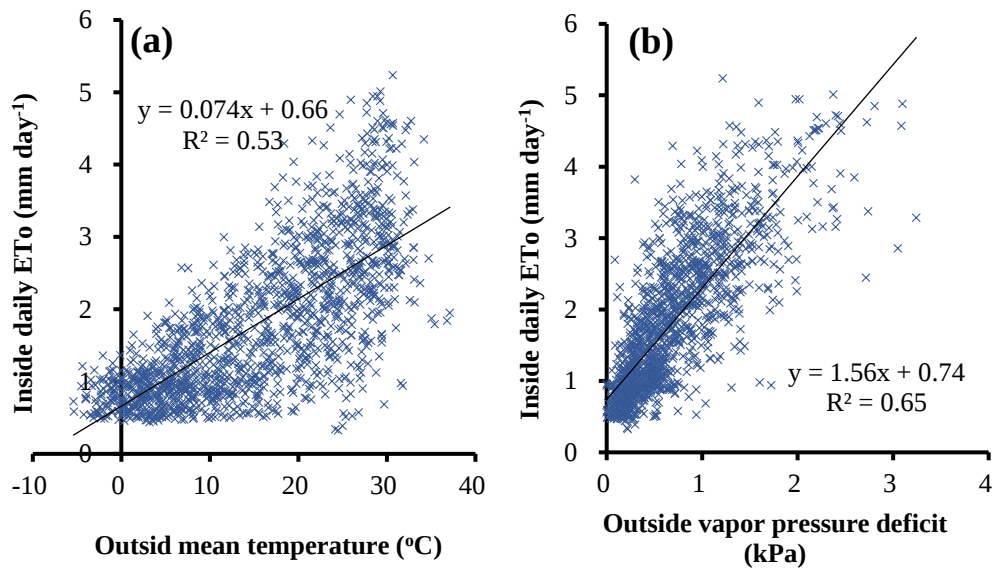


Figure S4 The relationships between inside daily ET_0 and outside daily mean air temperature (a) and vapor pressure deficit (b).