

Dear Editors,

Here is an explanation of TS1 and TS2:

TS1:

We integrated the model estimates and site observations to the 8-day level for the comparison with GLASS products or the site-level validation. The units of the corresponding carbon fluxes should be “gC m⁻² d⁻¹” as we calculated the 8-day mean in our experiment. If we use “gCm⁻² per 8d”, it should be the sum of 8 days, which is inconsistent with what we want to express here.

Please note that this mistake does not affect any results and conclusions in our manuscript.

The units that need to be modified in the text are:

Line 33-35 of Page 1;

Line 28-29, 32-33 of Page 9;

Line 10-11 of Page 13.

TS2:

In Equation (4), θ_i represents multiple parameters, where i means the number of parameters. Sorry that we left out two subscripts in our manuscript, the corrected equation should be:

$$P(\theta_i|y_t^O) \propto P(y_t^O|\theta_i)P(\theta_i) = L(\theta_i|y_t^O)P(\theta_i) \quad \theta_i \sim \text{uniform}(\text{range}); i = 1, 2, 3, \dots, n$$

Please note that this mistake does not affect the relationship expressed by this equation.

Sorry for these mistakes in our previous manuscript, we would appreciate it if these could be corrected in time.

Best regards,

Rui MA