L124: I do not understand this formula: Which indices are used for totalling? What does the comma in the centre mean?

We agree, the formula was not displayed correctly. We simplified it to an additive formulation, by exchanging the $\sum$ with +, which eliminates the comma in the center and added the totalling indexes below:

The formula of the ODI in its current version for each grid point (x,y) reads as

$$ODI(t_0) = (w_{depth} * I_{depth}(t_0) + w_{NPP} * I_{NPP}(t_0)) * I_{strat}(t_0) \qquad (1)$$

given by

$$I_{depth}(t_0) = \frac{1}{\Delta t_{ref}} \int_{t_0 - \Delta t_{ref}}^{t_0} I_{depth}^*(t)\, dt \qquad (6)$$

$$I_{NPP}(t_0) = max\left(0, min\left(1, \frac{\overline{NPP} - NPP_{min}}{NPP_{max} - NPP_{min}}\right)\right) \qquad (9)$$

$$I_{strat}(t_0) = min(I_{strat}(t_0, 10), I_{strat}(t_0, 30)) \qquad (4)$$

L162: This formula is wrong: Istrat cannot have one index and later two.

We agree. We modified the wording, which might help to eliminate the confusion.

The formula is the minimum of the two indexes. One index is calculated over a reference period of 10 days, and the second one is calculated over a reference period of 30 days:

$$I_{strat}(t_0) = min(I_{strat}(t_0, 10), I_{strat}(t_0, 30)) \qquad (4)$$