Surface CO$_2$ flux (kg C m$^{-2}$ s$^{-1}$) in central part of equatorial box

- with terrOM
- without terrOM
- low C:N:P ratio
- high C:N:P ratio
- high terrOM remineralization rates up to $32 \times 10^{-9}$

Surface CO$_2$ flux (kg C m$^{-2}$ s$^{-1}$) in northern part of equatorial box

- with terrOM
- without terrOM
- low C:N:P ratio
- high C:N:P ratio
- high terrOM remineralization rates up to $20 \times 10^{-9}$

Surface CO$_2$ flux (kg C m$^{-2}$ s$^{-1}$) in southern part of equatorial box

- with terrOM
- without terrOM
- low C:N:P ratio
- high C:N:P ratio
- high terrOM remineralization rates up to $27 \times 10^{-9}$