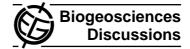
Biogeosciences Discuss., 3, S678–S679, 2006 www.biogeosciences-discuss.net/3/S678/2006/ © Author(s) 2006. This work is licensed under a Creative Commons License.



BGD

3, S678-S679, 2006

Interactive Comment

Interactive comment on "Light availability in the coastal ocean: impact on the distribution of benthic photosynthetic organisms and contribution to primary production" by J.-P. Gattuso et al.

J.-P. Gattuso et al.

Received and published: 27 October 2006

The aim of this document is to point to changes in the revised manuscript which are not outlined in our replies to the referees comments.

1. The identification of Case 1 and Case 2 waters was reprocessed in order to take into account recent results from A. Morel (personal communication). Briefly, waters with a C_{sat} value lower than 0.2 mg m $^{-3}$ are considered to be Case 1 (Morel, personal communication). When C_{sat} is higher than 0.2 mg m $^{-3}$, the identification of turbid Case 2 waters is performed as in Morel and Bélanger (in

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

EGU

press) by comparing the water reflectance at 555 nm (R(555)) to the maximum value it should have in Case 1 waters $(R_{\rm lim}(555))$. Turbid Case 2 waters are those for which $R(555) > R_{\rm lim}(555)$.

Consequently, Tables 1, 2, 5 and 8, as well as Fig. 3 and 4 have been updated. The conclusions are unchanged but the estimates have gained reliability.

- 2. All color figures were changed: the color schemes used can be differentiated by color-deficient viewers. See Light and Bartlein (2004; "The end of the rainbow? Color schemes for improved data graphics". Eos 85:385-391) and http://www.geography.uoregon.edu/datagraphics/color_scales.htm.
- 3. The title has been revised (one article added) to better reflect the content of the paper: 'Light availability in the coastal ocean: impact on the distribution of benthic photosynthetic organisms and their contribution to primary production"

Interactive comment on Biogeosciences Discuss., 3, 895, 2006.

BGD

3, S678-S679, 2006

Interactive Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

EGU