Thank you very much for your valuable comments.

First, we will accept your suggestion to include the satellite-model comparison on Chlorophyll a.

Second, your comments help us find a mistake: the post-processing program converted only the model results in the depth 0-200m. The displayed profile (Fig. 13) was not for the whole water column. We will make correction soon and answer further.

Interactive comment on Ocean Sci. Discuss., 9, 835, 2012.