Figure S8. Comparison of annual cycles in phytoplankton net accumulation rates, $r$, calculated as in the main manuscript versus for a fixed water column integration depth. (gray symbols) = $r$ calculated as in the main manuscript, where losses of phytoplankton due to detrainment during mixed layer shoaling are not included. (red symbols) = $r$ always calculated from phytoplankton inventories ($\text{mg m}^{-2}$) integrated to the annual maximum mixed layer depth, which therefore accounts for phytoplankton detrainment losses during mixed layer shoaling. Data are for the 25$^\circ$W to 35$^\circ$W longitudinal band and correspond to bins B-14, B-13, B-09, B-06, and B-02 (see Fig. 1a in main manuscript). Panels are arranged top-to-bottom from 65$^\circ$N to 40$^\circ$N latitude (bin numbers shown in blue text on each panel. Data in all plots are monthly mean values from the BEC-CCSM for the period 1997-2007 and are plotted beginning in July on the left to focus on the autumn-through-spring period critical to bloom development.