Introduction of bio-chemilcal observation data on GCM assimilation with a lower ecosystem model

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The sensitivity experiments has been carried out to assess the impact of bio-chemical data data in addition to the temperature and salinity on a GCM assimilation coupled with a lower ecosystem model. The data were obtained along 138E south of Japan by a research vessels Soyo-maru of NRIFS. It was found an introduction of the data to the coupled model enabled finely to represent some important events such as the occurrence of phytoplankton at the surface.

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