

The annual variations of the POC export fluxes estimated from Th-234 in the equatorial Pacific (II)

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The POC export fluxes were estimated in the equatorial Pacific, using the Th-234 activity in the seawater and particles. Samples were taken during the MR98-K02, MR99-K07, MR00-K08 and MR02K01 aboard the R. V. Mirai of JAMSTEC. The POC export fluxes were calculated from the Th-234 removal fluxes in seawater and the POC/Th-234 ratio in the settling particles. The high values in the central area compared to the western area were shown. As the primary productions were different in the effect by ENSO, the variation of POC export fluxes seems to be the effect by composition of particles and plankton species in this area.