

Sediment trap samples stored in Kyushu University

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Organic carbon produced by phytoplankton sinks to the ocean interior as sinking particles. This process plays an important role in oceanic carbon cycle. In order to investigate contents and fluxes of the sinking particles, sediment traps, funnel shaped instrument with rotating sampling vials to trap sinking particles, are deployed in the deep-sea. At Department of Earth and Planetary Sciences of Kyushu University, many sediment trap samples collected by Professor Emeritus Kozo Takahashi are archived in a refrigerator (wet sample) and storage (dried filter samples). These samples were collected from around the world, mainly from the North Pacific and its marginal seas. These samples are valuable material to understand oceanic biogeochemical cycles.

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