Chapter 9

Material transport: Capacity building in Project-1

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Cruises


CTD casts, water sampling for nutrients and chlorophyll-a analysis were conducted in all the cruises. In the first and second cruises, the observation of light condition related to photo-synthesis activity was carried out. In the first, second and third cruises, the buoy experiments to estimate the sea surface convergence/divergence were made. In the fourth and fifth cruises, the observation of shear flow using TarboMap was conducted for the estimation of vertical distribution of vertical diffusivity.

Physical, chemical and biological oceanographers from Thailand, Japan and Indonesia joined to these cruises and many papers were published based on these interdisciplinary cruises (refer to Chapter 2 and Appendix-2 for details).

Fig. 1. Observation stations in the Upper Gulf of Thailand in the first (a) and second (b) cruises. Circles show the station where the buoy experiments were carried out.

Reference