



Figure 11. (Left) Picture of a mooring-based sediment trap used for measurements in the Arabian Sea near the central mooring indicated in Figure 9. (Right) Top to bottom: Time series of primary production based on MVMS and model formulations; time series of current vectors; export production (organic and inorganic carbon and biogenic silicate) measured in sediment traps at 2229 and 3478 m. MVMS data from Dickey et al. (1998b) and Marra et al. (1998). Sediment trap data provided by Sus Honjo (see Honjo et al., 1999). Vertical dashed lines indicate periods of high productivity in the upper layer as determined with moored bio-optical sensors and large export production fluxes of carbon and silicate at depths of 2229 and 3478 m depth sediment traps.