

Figure 7.4. The carbon-14 age of calcite-rich deep sea sediments as a function of depth in the sediments at different locations in the ocean. Expedition names and core numbers are indicated along with the ocean location and water depth. Data (circles) indicate a 5–10 cm ^{14}C mixed layer in the surface sediments everywhere in the deep ocean due to bioturbation by benthic fauna. The figure in the upper left illustrates the idealized relation between profile slope and sedimentation rate. Redrawn from Peng and Broecker (1984).

