



**Figure 6.18.** (A) A schematic cross section of the upper ocean, illustrating surface water values and trends on subsurface isopycnals for O<sub>2</sub>, AOU, preformed nutrients, P<sup>pre</sup>, and time since the water mass was at the surface, t. (B) Schematic plots of O<sub>2</sub>, P, AOU and t versus locations 1, 2, 3 and 4 in (A); and a plot of AOU versus t used to derive oxygen utilization rates (OUR).

(B) Properties on density surface  $\sigma_\theta$

