



Figure 46.3: The cycle of the rate of dissipation of turbulent kinetic energy over two (semidiurnal) tidal cycles at four contrasting shelf sea sites. a) M3, an Irish Sea mixed site (first published by Simpson *et al.*, 1996). b) U, an English Channel stratified site. Isotherms are also plotted (first published by Sharples *et al.*, 2001). c) S1, an Irish Sea stratified site. Again isotherms are included (first published Simpson *et al.*, 1996). d) LB2, a site subject to periodic stratification in Liverpool Bay. Isopycnals are also plotted (first published in Rippeth *et al.*, 2001).