



Figure 3. Time vs. latitude diagrams for (a) spring transition index (Julian day), (b) length of upwelling season index (days), and (c) total upwelling magnitude index ($\text{m}^3 \text{s}^{-1} 100 \text{ m}^{-1}$). Periods of strong El Niños (defined by multivariate ENSO index >1.0) are marked.