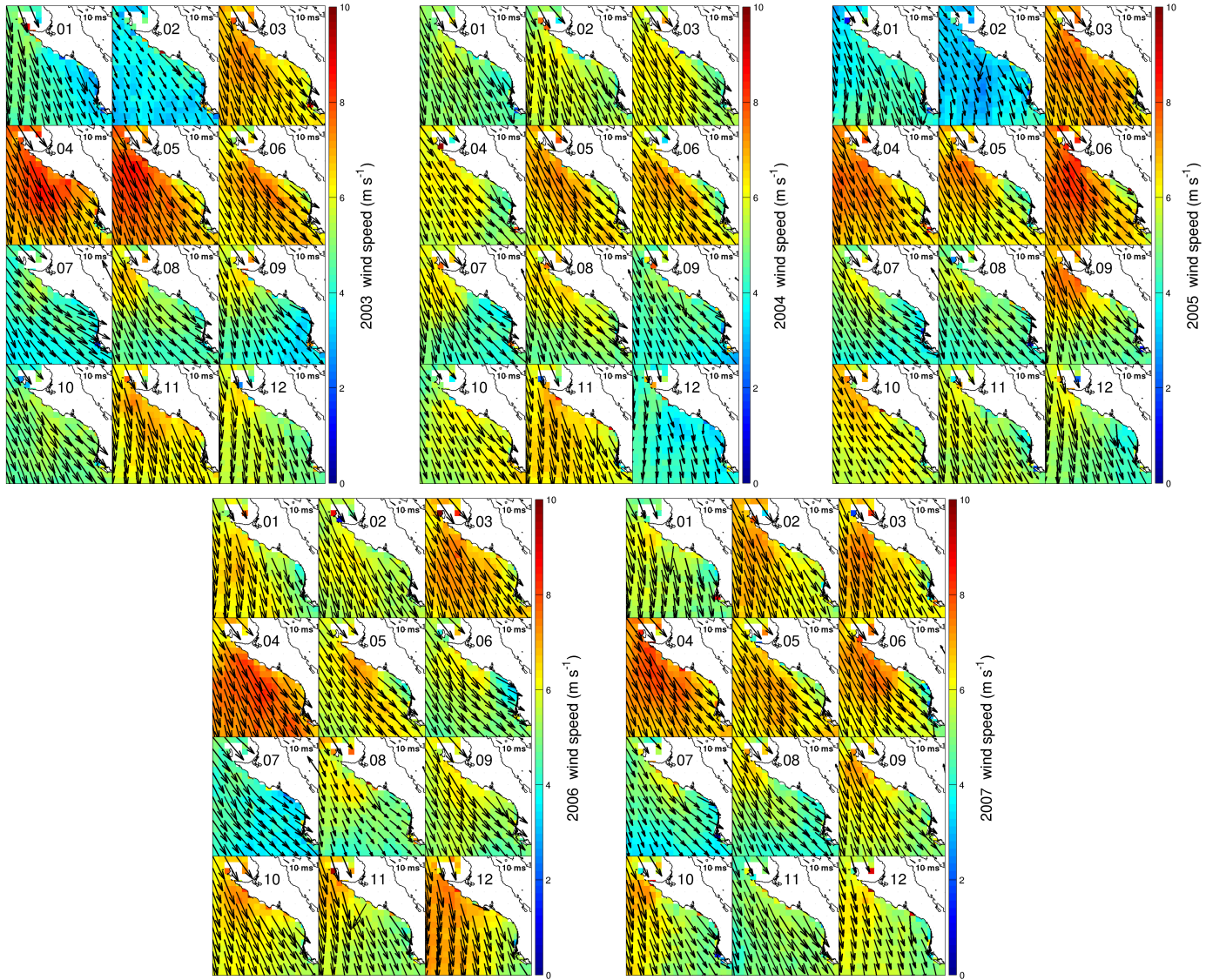
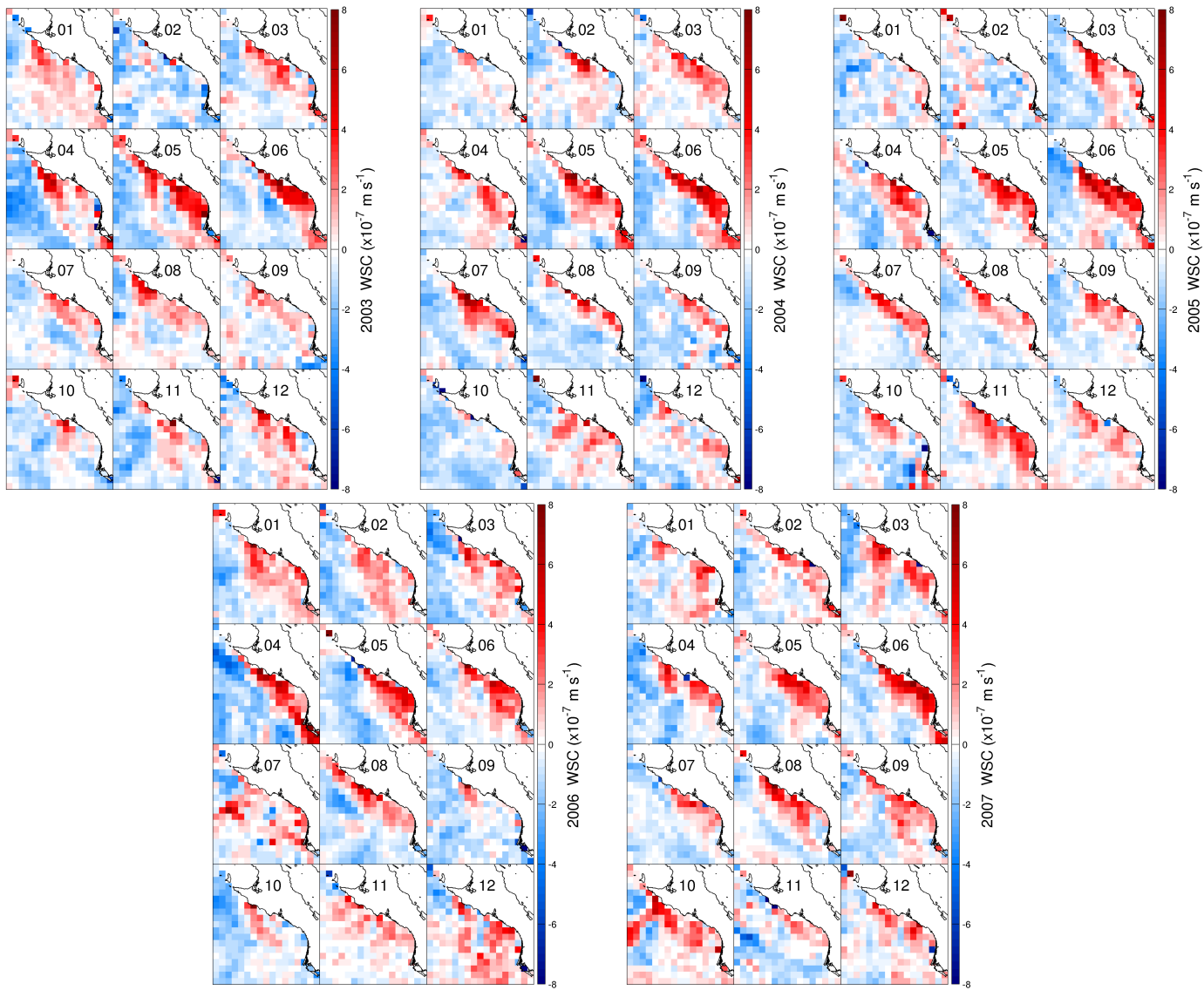


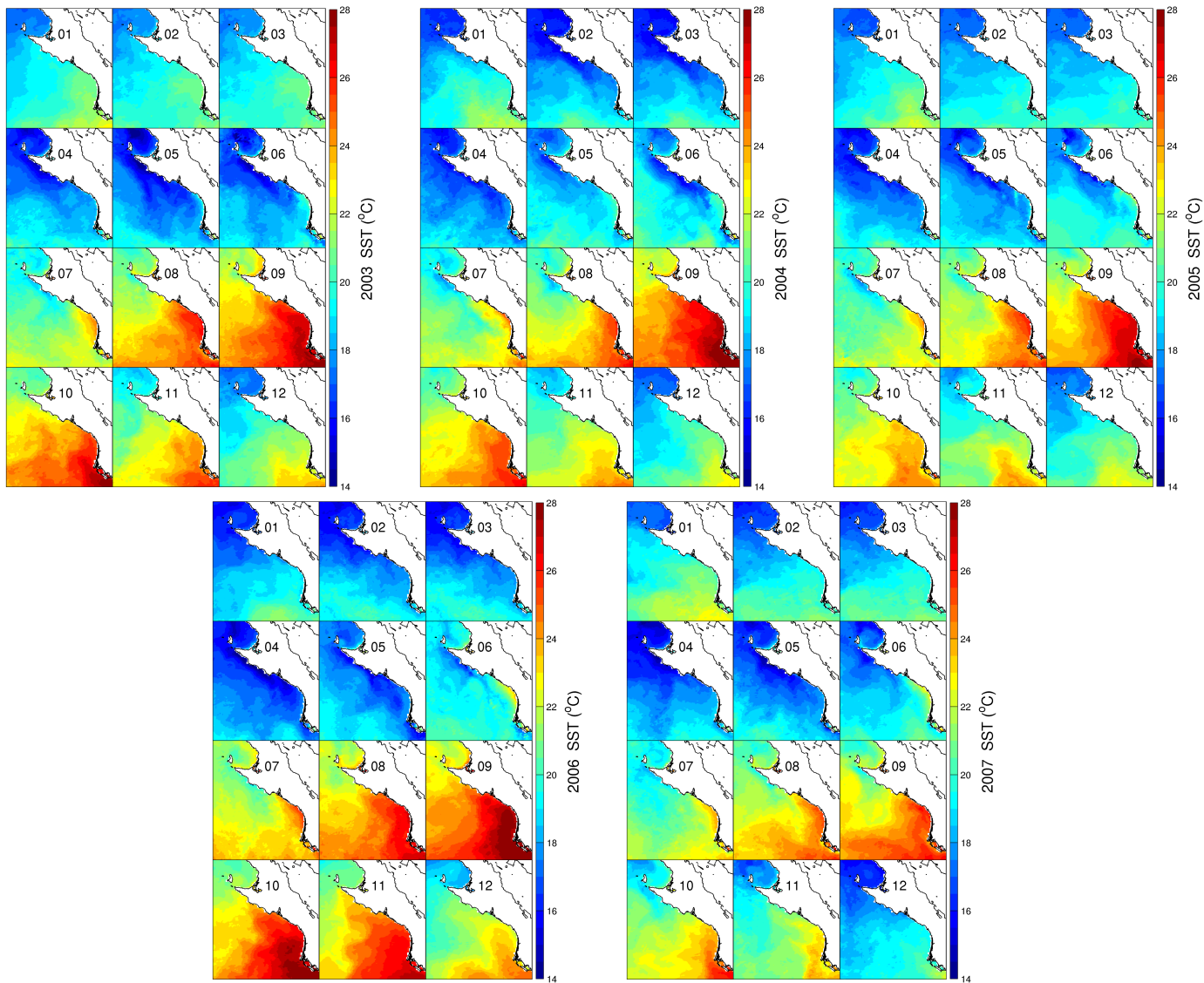
## Supplementary Material



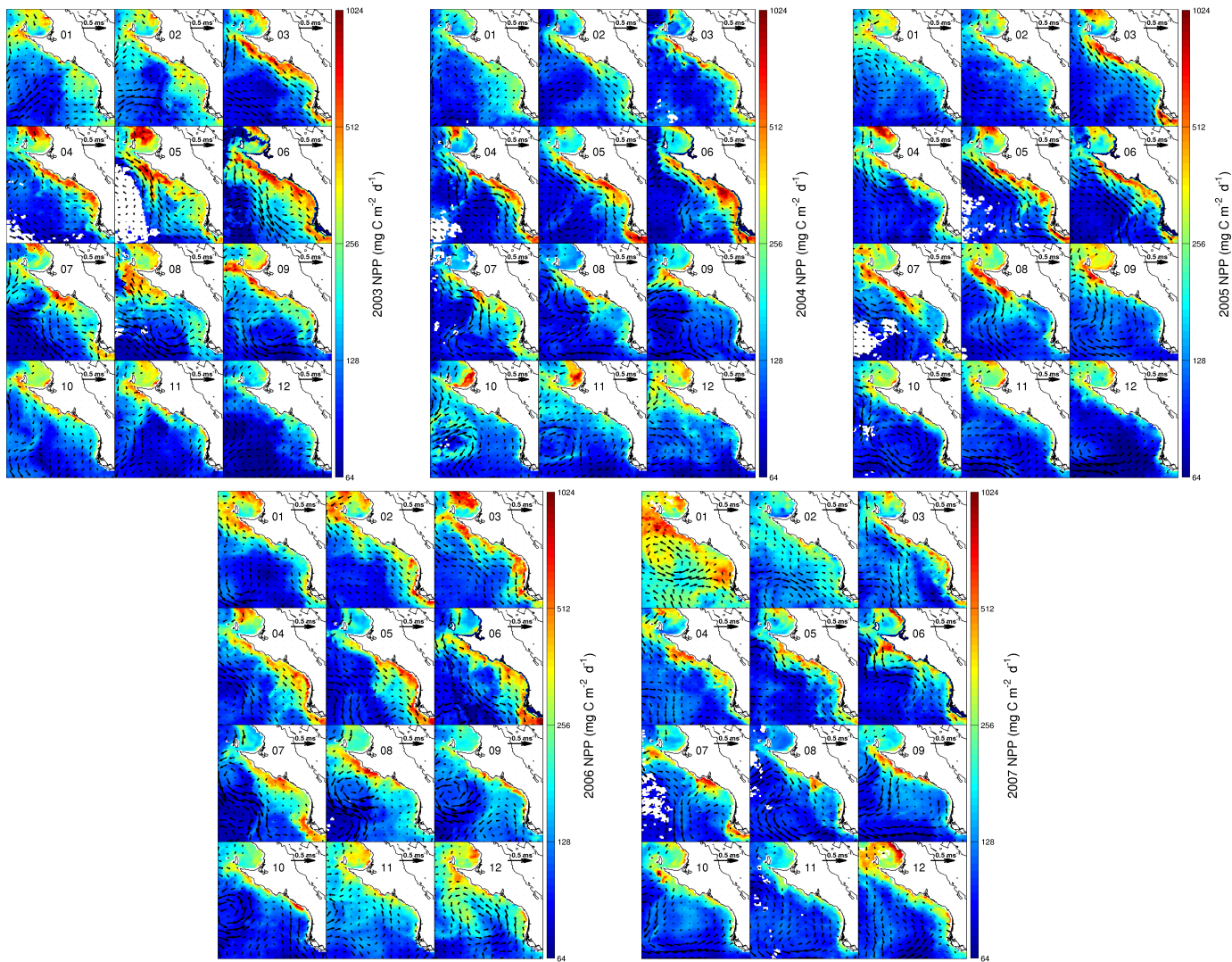
SM 1: Maps of monthly wind speed for 2003-2007. Numbers within each panel indicate the month of the year. For visualization purpose the wind vectors are plotted every other.



SM 2: Maps of monthly wind stress curl (WSC) for 2003-2007. Numbers within each panel indicate the month of the year.



SM 3: Maps of monthly sea surface temperature (SST) for 2003-2007. Numbers within each panel indicate the month of the year.



SM 4: Maps of monthly geostrophic currents superimposed over net primary productivity (NPP) in logarithmic scale for 2003-2007. Numbers within each panel indicate the month of the year.