

Figure 1: Hovmueller diagram of the zonally averaged atmospheric CO₂ concentration anomaly, X_{CO_2} , averaged over the last 50 yr of the 3DC simulation.

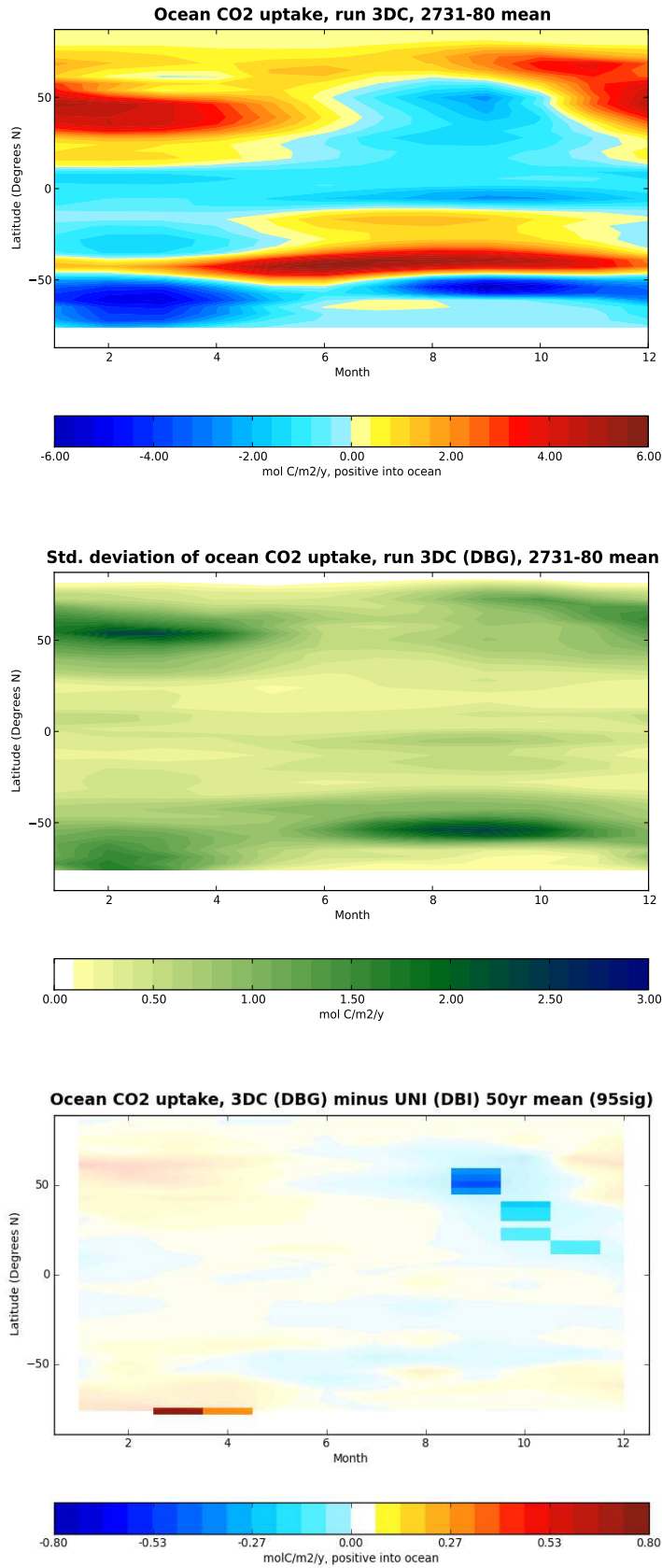


Figure 2: Hovmueller diagrams of 50-year mean zonally averaged: CO₂ uptake by ocean, F (*upper*); interannual standard deviation of F (*middle*), and; difference, ΔF , between the 3DC and UNI control runs (*lower*). In the lower panel, areas where ΔF is statistically significant at the 95% level, according to Student's t -test, are overlaid in brighter colours. Each quantity has units of molC m⁻² y⁻¹.