Model: C\_Cycle, Reservoir: Ocean Ocean Fossil Fuel Burning to Ocean 1e15 3 -2.0 DIC  $CO_2$ 2.75 - $\delta^{13}$ C  $\delta^{13}$ C 2.70 DIO 2.65 CO<sub>2</sub> [mol/a] Dean et al. 2014 2.70 0.5 2.60 0 1800 2000 2200 2400 2600 1800 2000 2200 2400 2600 Time [a] Time [a] Ocean to Carbonate burial Ocean to OM burial 1e13 1e12 1.90 -4.4 CaCO<sub>3</sub> OM -24.5 $\delta^{13}$ C  $\delta^{13}$ C [e/low] 4.3 WO 4.1 CaCO<sub>3</sub> [mol/a] 1.85 - $5^{13}$ C [CaCO<sub>3</sub>] - 1.5 1.80 4.1 1.75 - 0.5 -26.04.0 2200 2400 2600 2200 2400 2600 1800 2000 1800 2000

Time [a]

Time [a]