think of. $\frac{dC(0z)}{dDIC} \sim \frac{C(0z)}{C(0z^2)} \sim \frac{1}{z_0}$ 1= M X $\frac{dq}{dx} = M$ χ double DIC VD1(= 5D1C-D1C $\Delta [coi] = \frac{1}{70} \Delta DIC$ 1[(02] = 10.2.1 mmol[DIC] $\Lambda[(0]] = 0.1 \text{ mmol}[C0]$ $\frac{\Delta(c_0)}{k_0} = \Delta \rho c_{02}$ 6.1 mmol (02) = 3.7 ppt 9+m or 3700 ppm What if we assume a Coz from 280 ppm to 410 ppm is Coz injection to ocean... How much DIC change? Mccord = 130ppm atm if we added [mol c every ms (1e3s), Accord = 3.7 y mol [cor] would take worma 20.3.7 Hmo/[02] = ADIC 73 µmol/kg change in DIC or 3.5 % increase -> ocean has 3200×1015 mol C So increase in 110 x 1015 mol C