













### 3. Supplemental Materials References

- Behrenfeld MJ. 2010. Abandoning Sverdrup's Critical Depth Hypothesis on phytoplankton blooms. *Ecology* 91:977-89
- Behrenfeld MJ, Doney SC, Lima I, Boss ES, Siegel DA. 2013. Physical-ecological interactions of the subarctic Atlantic annual plankton bloom. *Glob. Biogeochem. Cycles* 27:
- Bogacki P, Shampine LF. 1989. "A 3(2) pair of Runge-Kutta formulas". *Appl. Math. Letters* 2:321–5.
- Evans GT, Parslow JS. 1985. A model of annual plankton cycles. *Biol. Ocean.* **3**, 327-47.
- Henson SA, Dunne JP, Sarmiento JL. 2009. Decadal variability in North Atlantic phytoplankton blooms. *J. Geophys. Res.* 114:C04013
- Mahadevan A, D'Asaro E, Lee C, Perry MJ. 2012. Eddy-driven stratification initiates north Atlantic spring phytoplankton blooms. *Science* 337:54-58
- Moore JK, Doney SC, Kleypas JA, Glover DM, Fung IY. 2002. An intermediate complexity marine ecosystem model for the global domain. *Deep-Sea Res. II* 49:403-62.
- Siegel DA, Doney SC, Yoder JA. 2002. The North Atlantic spring bloom and Sverdrup's critical depth hypothesis. *Science* 296:730-33