

Combining ocean observations and circulation models

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Hands-on session

We will use an existing global ocean reanalysis, SODA 2.0.2/2.0.3, to explore ocean behavior on time scales that range from months to decades. We will use the software package ferret to calculate quantities such as the rate of upwelling at the base of the mixed layer and the progression of CFC-11 from its formation site in the North Atlantic. Students will be encouraged to explore a part of the reanalysis that is relevant to their own research.