

Ocean Reanalyses: Status and Plans

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Ocean state estimation, sometimes also referred to as ocean reanalysis, has advanced tremendously over the past decades, to the point, that today estimates of the ocean state are being produced on a routine basis by several efforts around the globe. Some of those efforts are associated with seasonal forecasting, some with operational oceanography, and others with climate-related ocean hindcasting attempts. Although approaches used differ accordingly, results are being used to describe the changing ocean state over the last several decades. Although clear discrepancies remain, some encouraging robust agreements are being obtained for some parameter and in some parts of the world. The talk will summarize the present state of ocean assimilation and recent progress and achievements, including the use of ocean assimilation results to initial climate predictions. Finally, the talk will discuss where the field is moving as well as future data and model requirements.

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