

Steric sea level variability from the ocean reanalyses intercomparison project in the East Asian marginal seas

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Ocean Reanalyses Intercomparison Project (ORA-IP) is successfully coordinated, but most analyses using this product have been limited to the global scale assessments. In this study, regional assessment on steric height variability has been performed focusing on the East Asian marginal seas. Results show that reanalysis ensemble derived from 15-different assimilation systems depicts higher correlation with satellite observations (altimetry-gravimetry) than objective analysis ensemble. Additional results about the long-term variability for the thermosteric and halosteric components of each product will be presented.

Keywords: Ocean Reanalyses Intercomparison Project (ORA-IP), steric height, East Asian marginal seas