

Coastal and Semi-Enclosed Sea

Research focuses on numerical coastal ocean modeling, assimilation of data, model verification, and real-time forecasting capabilities. A major goal of this research is to be able to understand and predict coastal and semi-enclosed sea circulation on timescales of hours to days and spatial scales of the order of 1–10 km. Opportunities exist to study new concepts, techniques, and hypotheses in geophysical fluid dynamics, ocean thermodynamics and dynamics, and numerical modeling. During the past few years, we have been focusing on the coastal, semi-enclosed seas of the western Pacific. In addition, globally relocatable systems to provide tide/surge information in coastal regions is a part of this effort. Outstanding computer power is available ranging from the most advanced desk top PC's to high-performance scalable computers. Excellent facilities are also available for analysis and display of model results and data.