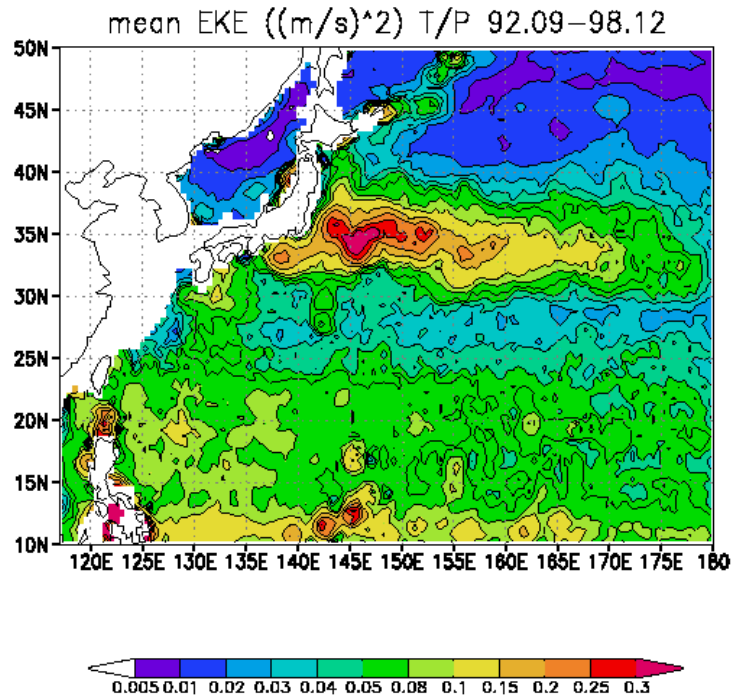


(a) Satellite Observation Data



(b) Simulation Results from Ocean Model

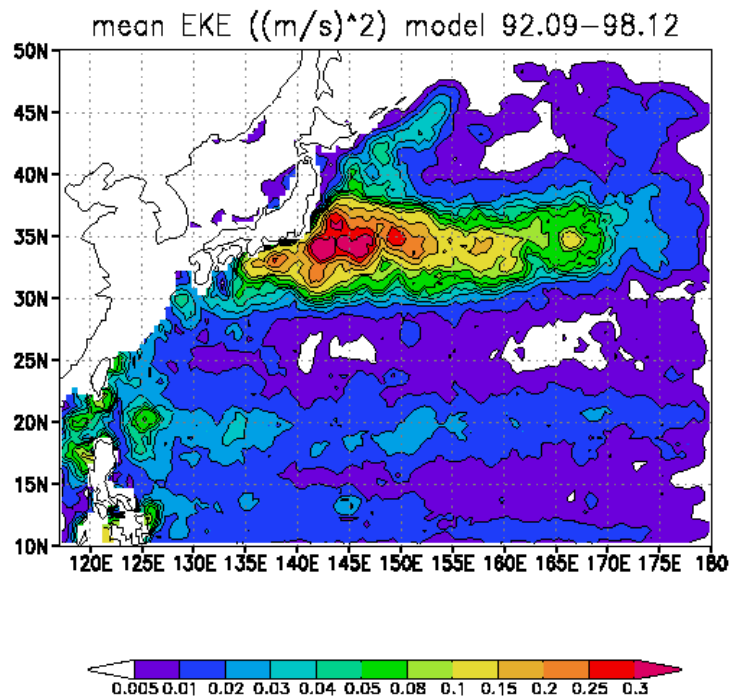


Fig. 1 Eddy Kinetic Energy* Calculated from Sea Surface Height Variations

By comparing the results from calculations using satellite observation data (a) with those simulated using no observation data (b) to investigate the performance of the high-resolution ocean general circulation model (OGCM), we were able to confirm that the form and scale of variation in eddy distribution, particularly in the sea near Japan, could be simulated with high accuracy.

* Eddy kinetic energy refers to the scale and intensity of an eddy expressed as a physical quantity. The areas colored a stronger red correspond to the regions with strong eddy activity.