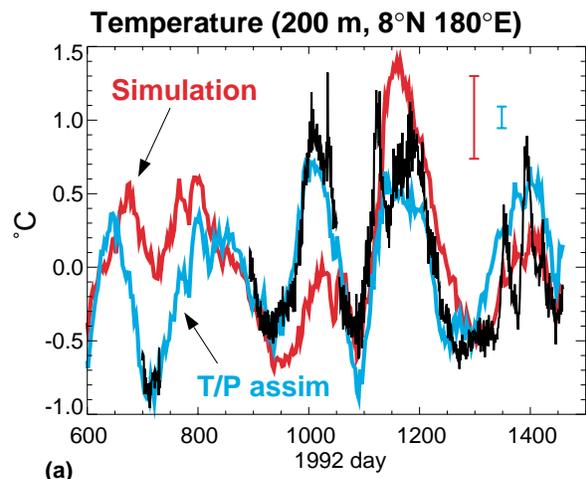
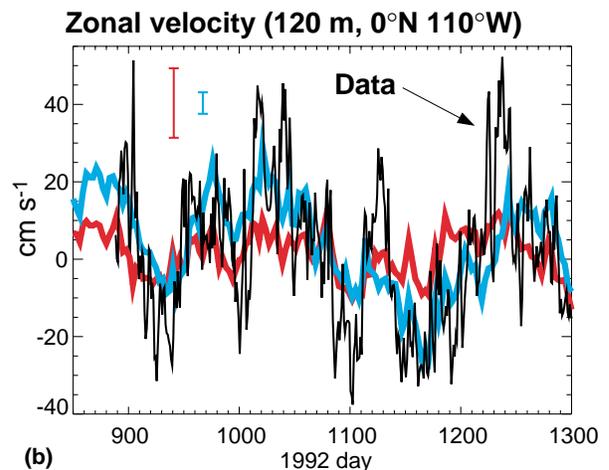


Plate 7.1.5 Sea level anomalies as a function of longitude and time along 12°N in the Pacific Ocean: **(a)** TOPEX/POSEIDON (T/P) observations; **(b)** assimilation of T/P; **(c)** model simulation. The model is a wind-driven 1.5-layer shallow water model of the tropical Pacific Ocean. Assimilation is conducted with an approximate Kalman filter. From Fukumori (1995).



(a)



(b)

Plate 7.1.6 Time series comparisons of subsurface temperature **(a)** and zonal velocity **(b)** anomalies. The different curves are model simulation (red), assimilation of TOPEX/POSEIDON sea level data (blue), and independent in-situ measurements from the TAO moorings (black). The bars denote respective formal model estimation errors. The model is a wind- and thermally-driven global general circulation model based on the GFDL Modular Ocean Model and the assimilation is based on an approximate Kalman filter. From Fukumori *et al.* (1999).