

Figure 5.5. Horizontal distribution of surface velocity fields averaged over a 10-day period from March 22 to 31, 2011 that was simulated in each model. The model name appears above each panel. The WHOI-2D has a coarse resolution based on the observed sea-surface height data with the geostrophic calculation. Other results are based on high-resolution ocean models. Note that the GEOMAR is forced by the ECMWF fluxes from 1993, which yields oceanic conditions similar to those actually encountered in 2011 (see Dietze and Kriest, 2012).

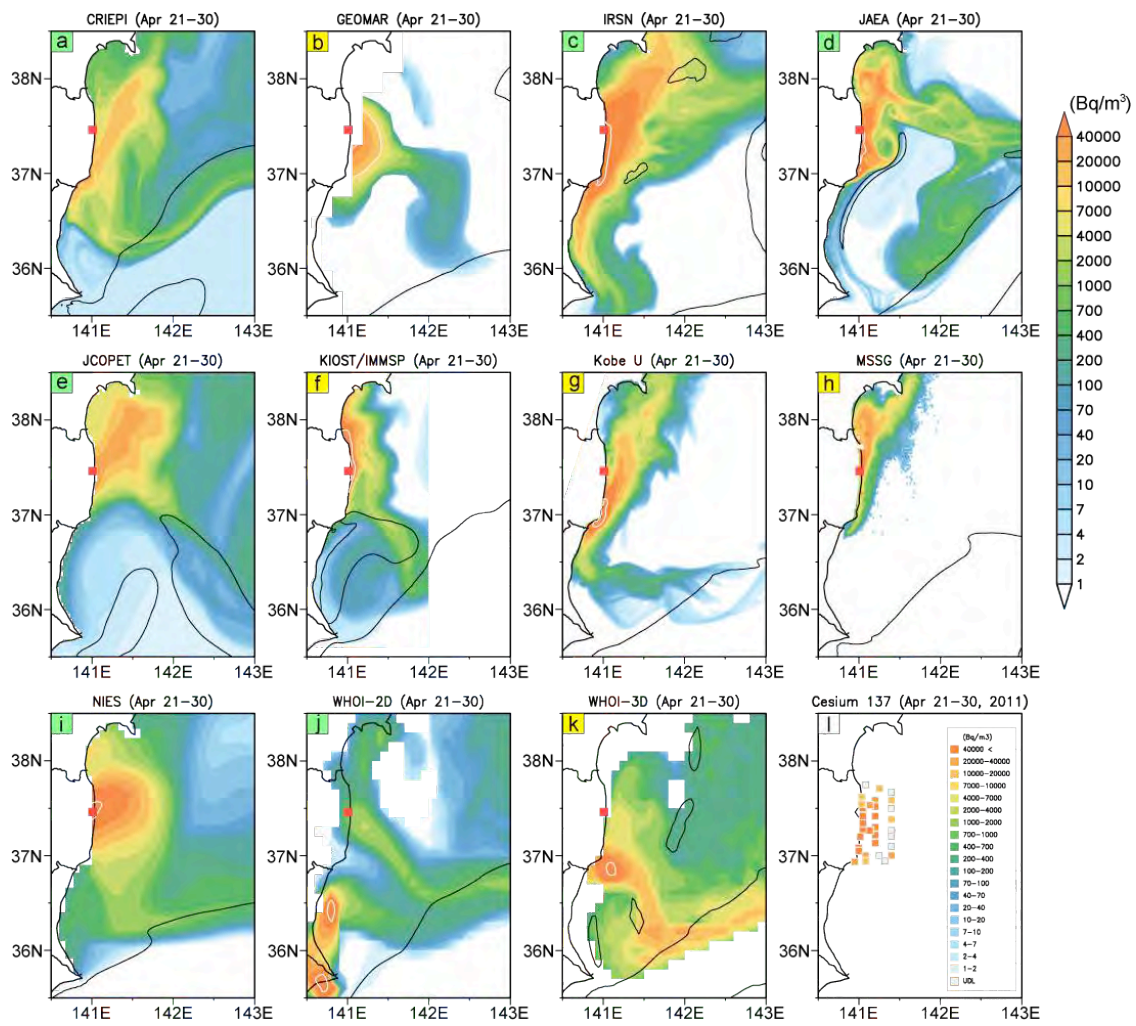


Figure 5.6. Same as in Fig. 5.4 except for the 10-day average during the period from April 21 to April 30, 2011.

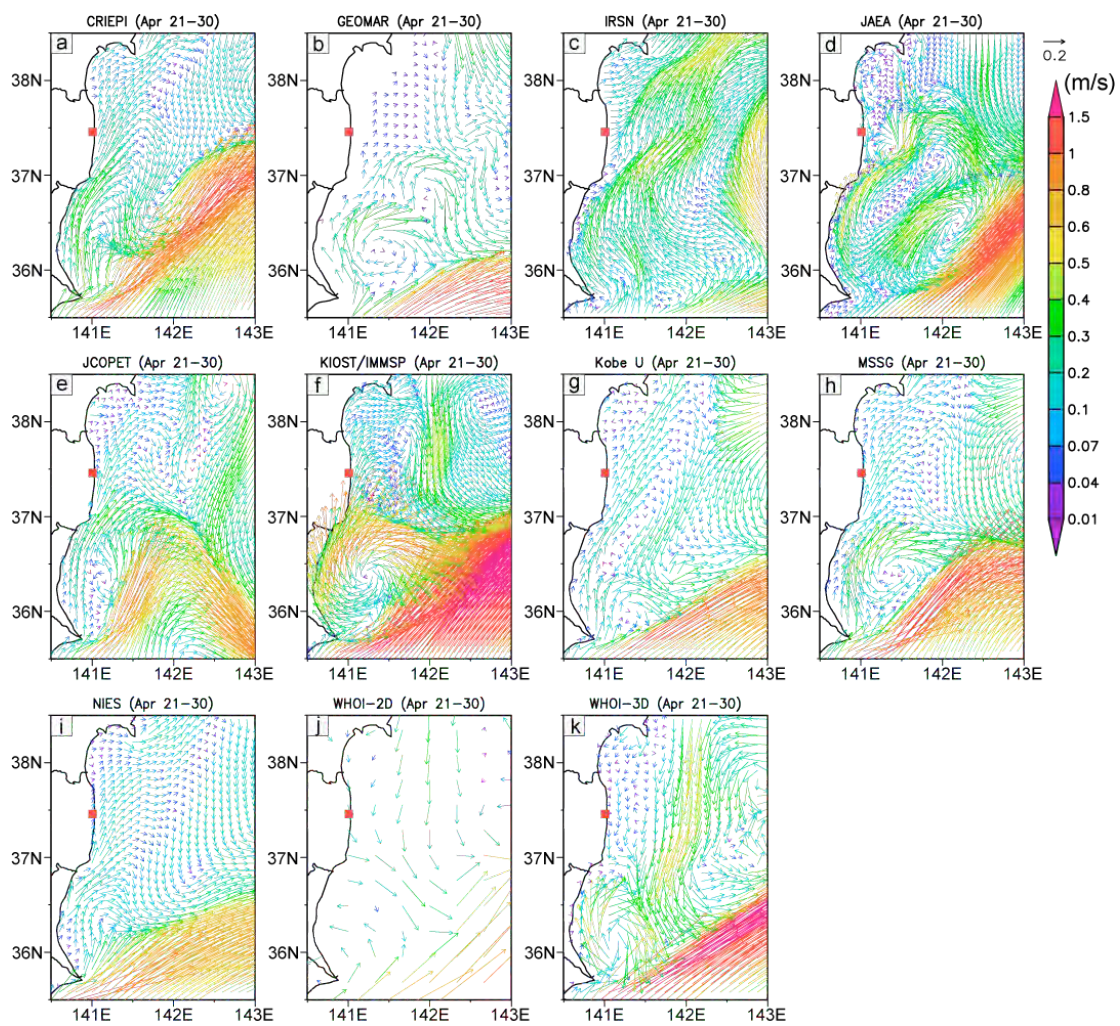


Figure 5.7. Same as in Fig. 5.5 except for the 10-day average during the period from April 21 to April 30, 2011.

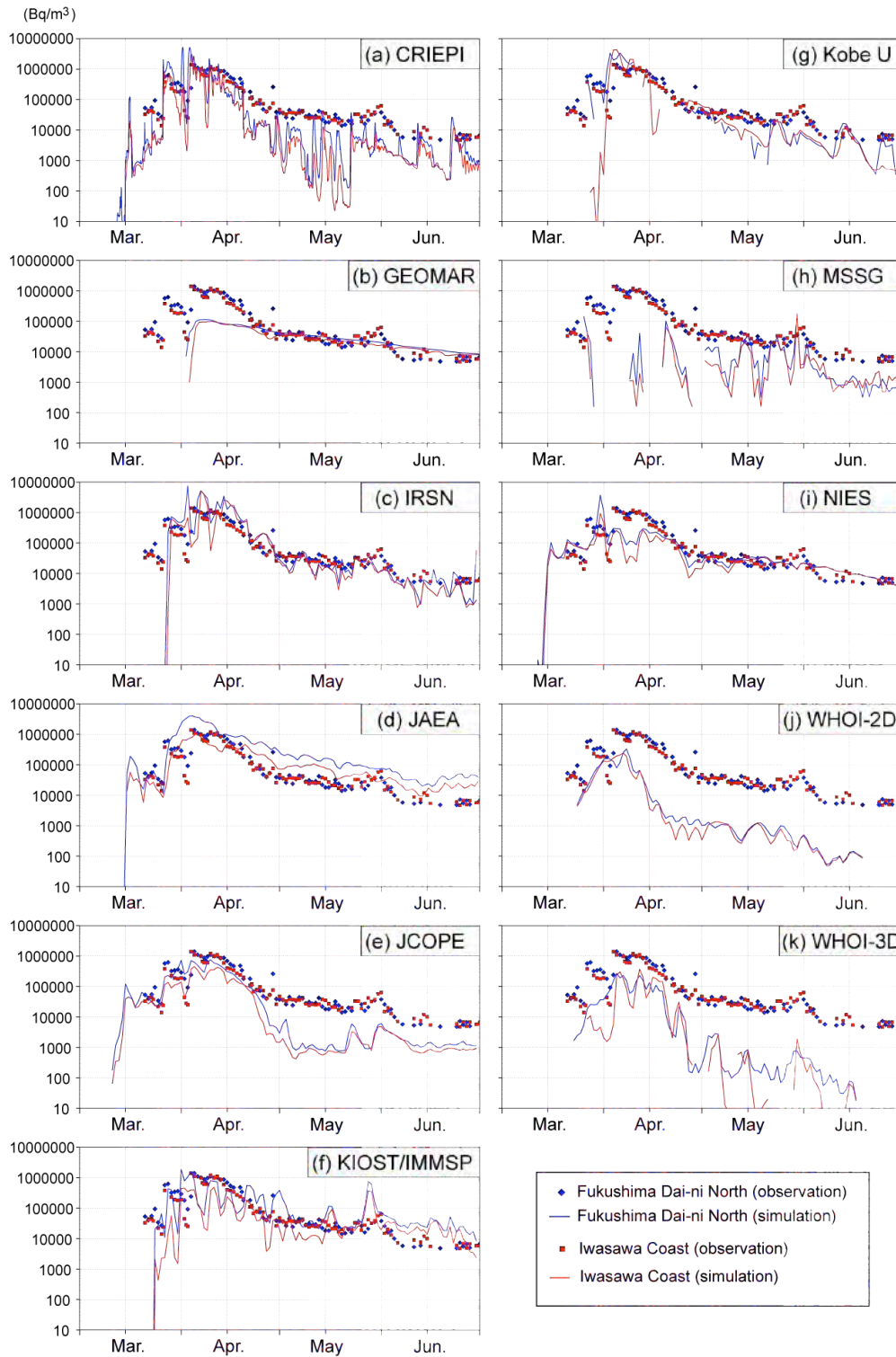


Figure 5.8. Time series of  $^{137}\text{Cs}$  concentrations during March through June 2011 at the Fukushima Dai-ni (2F) Nuclear Power Plant and the Iwasawa coast. The observed values are indicated by solid diamonds, whereas the simulated time series are shown with solid lines (blue: Fukushima Dai-ni Nuclear Power Plant, red: Iwasawa coast).