

Figure F1. Bay of Bengal region showing main river basins and locations of Expedition 353 sites. Map was generated using GeoMapApp (<http://www.geomapapp.org>), using topography and bathymetry from Ryan et al. (2009).

Figure F2. Four dissolution measures applied to late Pliocene foraminifer samples. %P = planktonic:benthic ratio, RSP% = dissolution-resistant species

ratio. Qualitative fragmentation analysis and *P. obliquiloculata* test preservation also shown. A. Site U1443. B. Site U1445.

Figure F3. Specimens of *P. obliquiloculata* (×245 magnification) from samples demonstrating gentle (353-U1445A-34X-1, 47–49 cm), moderate (34X-2, 48–50 cm), moderate-severe (353-U1443B-5H-4, 19–21 cm), and severe (5H-4, 31–33 cm) dissolution.