



Multi-scale seismic imaging of the Mariana Subduction Factory

Proposed tracklines for MCS profiles (2800 km 60-fold data) (yellow), wide-angle profiles (1860 km; 100 SP Japanese OBSs, 11 explosions) (dashed black), long-period OBSs (50 US OBSIP LP instruments, 20 Japanese LP OBSs) (red stars), and land seismographs (broadband PASSCAL instruments on 12 islands) (blue stars), superimposed on color-coded bathymetry. Line 18W extends to 149°E. From Taylor (UofH)/Klemperer (Stanford)/Wiens (WUSTL)/Hildebrand (SIO) proposal to NSF-MARGINS, January 2000.