Seismic activity of the central Kyushu

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Many shallow earthquakes in Kyushu occur in and around Beppu-Shimabara graben and in aftershock area of Northwestern Kagoshima earthquake (M6.5,M6.3) in 1997.Two earthquakes [M4.3(31 October,1999), M4.5 (11 November,1999)] occurred on north part of Hinagu fault zone. So, we installed four temporary seismic stations in epicentral area. We determined accurate hypocenters using this data. We also calculate mechanisms (>M2.0) using P wave polarity. Although an expanse of a focal region is a diameter of around 2 or 3 km., there are strike slip type (north-south T axis), normal fault type and reverse fault type. This shows complicated and non-homogeneous earth crust structure of central part Kyushu.