

Source mechanism of June, 2000 Southern Sumatera, Indonesia (Ms 7.9) earthquake using local broad-band seismic network

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We performed the moment tensor inversions to main and major aftershocks of June, 2000 Southern Sumatera earthquake.

The source mechanism of main shock shows the strike-slip type which is consistent the other long period component analysis.

The distribution of aftershock's hypocenter and thrust-type source mechanisms of major aftershocks suggest that seismic activity occurred at the inter-plate region.

The main shock that is occurred at intra oceanic plate activated the inter-plate seismicity.