

Source process of 2016 Kumamoto earthquake viewed from surface fault rupture

*Takashi Nakata¹

1.Professor Emeritus, Hiroshima University

Source process of 2016 Kumamoto earthquake is discussed based on location and geometry of surface fault rupture. Kumahara et al. (2016) showed branching of fault traces toward north and south around Dozon, Mashiki town, suggesting the source fault ruptures bilateral while the hypocenter of the earthquake locates near-by southwest terminal of the surface fault ruptures. Observation of fallen objects close to the surface fault rupture suggests that surface rupture initiated between Sugidou and Tjijigamine park, Mashiki town, and propagated bilaterally toward northeast and southwest.

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