Earthquake faults along the Kiyomasa-kodo and in the northwestern part of the Aso caldera during 2016 Kumamoto Earthquake

*Mitsuhisa Watanabe¹, Takashi Nakata², Hideaki Goto³, Kei Tanaka⁴, Yasuhiro Suzuki⁵, Keita Takada⁶

1. Faculty of Sociology, Toyo University, 2. Emeritus professor, Hiroshima University, 3. Graduate school of letters, Hiroshima University, 4. Japan Map Center, 5. Nagoya University, 6. Fukken Co. Ltd.

A large number of ruptures appeared along the Futaenotoge seismic zone and its extension during 2016 Kumamoto earthquake. There are right-lateral earthquake faults along the Kiyomasa-kodo (Seishoko-do). The narrow "severely damaged zone" indicates that the upper cutoff depth of seismogenic layer is very shallow. The remarkable surface ruptures aligned in ENE-WSW direction intermittently in the northwestern part of the Aso caldera. The locations of the ruptures are not coincided in space with soft grounds, and strong tremor did not attack the areas. The tectonic ruptures in the form of grabens caused the lateral ground displacements in these areas.

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