

# Japan Geoscience Union Meeting 2011

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HSC024-P02

Room:Convention Hall

Time:May 24 14:00-16:30

## Damages caused by sediment disaster the July 2010 Southern Kyushu heavy rainfall.

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The heavy rainfall caused by a baiu-front occurred in the Southern Kyushu the July 2010. In locally became a rush of slowly at the July 2 at night in the Osumi region, and severe rain that exceeded 100mm an hour in a lot of places that were fell be from down at the July 3. It became a recorded heavy rain that exceeded 120mm an hour in the vicinity of the Kirishima city northern part at 5a.m. By this heavy rainfall ,sediment disaster occurred in succession in Southern Kyushu. As a result, the debris flow was occurred in funaishi river of the Kagoshima Prefecture Minami Osumi-cho from 4 to 5 in July. The disaster that Southern Kyushu was especially generated from research results in the baiu season end in the Osumi region the July 2010 can be said that a marvelous downpour that exceeded 1000mm by the total amount of rainfall caused it. On the other hand, it has been understood that the slope failure point that became the radical of the sediment disaster has concentrated on the stratum boundary of the pyroclastic sediment. It will be thought that disaster prevention measures that consider hydraulic characteristics of the pyroclastic sediment are necessary in the future.