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A large scale Landslide of the accretionary prism in Miyazaki Prefecture

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A large scale landslide of Tenjin Mountain in Wanituka Mountain range at central Miyazaki Pref. caused along the boundary of the Hyuga Gr. and Nichinan Gr.

The beds of Nichinan Gr. landslided on a large scale in continental slope. Therefore there are a lot of cracks in the beds of Nichinan Gr. caused by the detachment of the landslide.

But there are few cracks in Hyuga Gr., and Hyuga Gr. is stable. Because Hyuga Gr. did not cause the landslide.

The landslide (the sector collapse) happened on a boundary of Hyuga Gr. and Nichinan Gr. And it is Nichinan Gr. to have had the great collapse (the sector collapse).

This landslide of Nichinan Gr. collapsed by a heavy rain of Typhoon 14 of 2005.

The width of this collapse reaches it than 400m.

We clarified the shape and geological structure of the sector collapse by three-dimensional surveying of the CCD camera.

Keywords: Shimanto Terrain, Hyuga Group, Nichinan Group, Submarine landslide, Slide surface, Sector collapse