

Slope movement on the submarine flanks of seamounts adjacent to Minamitori-sima Island, Northwest Pacific Basin

Yukihiro Kato[1]; Taisei Morishita[1]; Yasutaka Katagiri[1]; Tatsuo Komori[2]

[1] Hydrographic and Oceanographic Dept. of Japan; [2] JHOD

High-resolution bathymetry in the ocean floor adjacent to the Minamitori-sima Island was collected with the multibeam bathymetric survey system, Seabeam 2000/2100. A result of the survey was the discovery of many slope movement on the flanks of seamounts adjacent to Minamitori-sima Island. The morphologic feature suggests that these slope movement are similar in occurrence of slope failures on the flank of the Hawaii Islands and the Canary Islands, formed by oceanic intraplate volcanism.