

Tsunami damage of the Keicho Earthquake of February 3rd, 1605 on the coasts of Tokai, Shikoku, and Kyushu Districts

*Yoshinobu Tsuji¹, Kentaro Imai², Yuuichi Ebina³, Hiroyuki Iwase⁴, Ryoko Oobayashi²

1. Shimanto City, 2. JAMSTEC, 3. IRIDeS, 4. Ecoh co. LTD

We conducted field survey of the tsunami damaged coast of the Keicho 9 earthquake of February 3rd, 1605 on the coasts of Tokai, Shikoku And Kyushu and tsunami inundation or run-up heights were measured newly at 17 points by using GPS. Tsunami height distribution along Boso Peninsula had been clarified by Tsuji et al(2018). At Nishina, Nishiizu Town, Shizuoka prefecture, sea water went upstream along Nishina River about 1.4 km from the river mouth and run up height was estimated at 8.9 meters above mean sea level. At Hashimoto in Arai Town, Kosai City, Shizuoka prefecture, 80 houses out of 100 houses were swept away, and tsunami height was 8.2 meters. At Shirasuka, a post town of Tokaido houses were swept away and several people, horses, and cows were killed, and tsunami height was 9.4 meters. At Horikiri village, Tahara city, near the to of Atsumi Peninsula, Aichi prefecture, all fishing ships were wrecked but no house and human damage took place, and height was estimated at 3 meters. At Sakihama, Muroto city, Kochi prefecture, sea water rose up to the entrance step stone of the main building of Dainichiji temple, and tsunami height was 14.4 meters. Coastal villages near cape Muroto, about 400 people were killed due to the tsunami. At Saga, Kuroshio Town, documents given by Lord Motochika Chosokabe was lost in Sakamoto's house, where tsunami height was estimated at 6.2 meters. At Misaki, in Tosashimizu city, 153 peoples were killed due to the tsunami, and tsunami height was estimated at 8.1 meters. Tsunami height distribution is illustrated in the figure.

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