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Room: A04

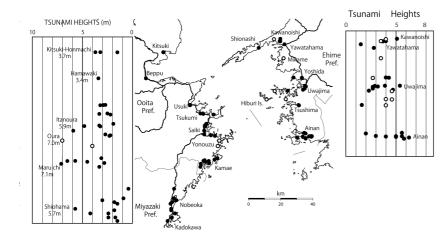
Time:May 27 15:00-15:15

## Tsunami Heights of the 1707 Hoei and the 1854 Ansei -Nankai earthquakes on the coasts of the Bungo straits

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We made field surveys of the height distributions of the tsunamis of the 1707 Hoei and the 1854 Ansei Nankai Earthquakes on the coasts of both side of Bungo straits, the coasts of Ehime Prefecture, Shikoku, and Ooita and Miyazaki prefectures, Kyushu by using a GPS level. On the coast of Ehime Prefecture, we made field survey the top of Sada cape to the southern boundary of the prefecture. Almost all of this area was the region of the clan of Date family, the lord of Uwajima Castle town. A detailed documents on damage of houses, rice field, and fishery vessels by the tsunamis were officially recorded. On Kyushu coast, Lord of Saeki castle recorded damage house and rice field damage of the 1854 Ansei tsunami for 21 coastal villages in the south part of Ooita Prefecture, Kyushu. The obtained height distribution of the tsunami of the 1854 Ansei Nankai earthquake is illustrated in the figure. Tsunami heights was 6.3 meters at Shimohisage village, Ainan town, Ehime prefecture, Shikoku, where all houses were swept away. Tsunami height of 7.1 meters was clarified at Takenoura and Maruichi villages, Ooita prefecture, Kyushu. The present study is financially supported by the Nuclear Regulation Authority.

Keywords: the 1854 Ansei Nankai Earthquake-Tsunami, the 1707 Hoei Earthquake-Tsunami, Bungo straits, Ehime prefecture, Ooita prefecture, Miyazaki prefecture



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