

Estimate of tsunami source area by using real-time tsunami observation data

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The reliability and accuracy of Tsunami Warning should be improved because of problems to estimate tsunami source by experiential data and seismic wave analysis. Especially, we have problem in estimating of location and size. In this study, we aim to study for far field tsunamis, in which we have more time to analyze and estimate than near field tsunamis, and we tried to estimate source area with tsunami data obtained at assumed tsunami gauges in the Pacific Ocean. As the result, we could estimate the most harmonium fault parameters and position of source area by using inverse refraction technique and tsunami wave in addition to seismic data.