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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Probabilistic tsunami inundation assessment of Kuroshio Town,Kochi Prefecture, Japan considering the Nankai-Tonankai megathrust rupture scenarios" *by* Katsuichiro Goda et al.

Anonymous Referee #2

Received and published: 3 July 2020

In this study, stochastic tsunami hazard analysis is performed using 1,000 kinematic tsunami rupture models based on the range of moment magnitudes. Ths stochastic results are compared with the existing 12 tsunami source models (CDMC) quantitatively at two specific regions.

This manuscript is well organized and describes the stochastic tsunami modeling process and results concisely. I think the current version is almost acceptable as it is. Here are two minor comments which may be helpful to clarify or improve the current version.

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Discussion paper

1) Fig. 11b,d. there is only three CDMC event (filled square). I wonder where are the other 9 cases.

2) Line 231, The reference elevation of bathy is defined as the standard altitude in Japan. It may not be clear to readers. Is it equivalent to Mean high water levels or others? Does tidal variation is negligible in this site?

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