

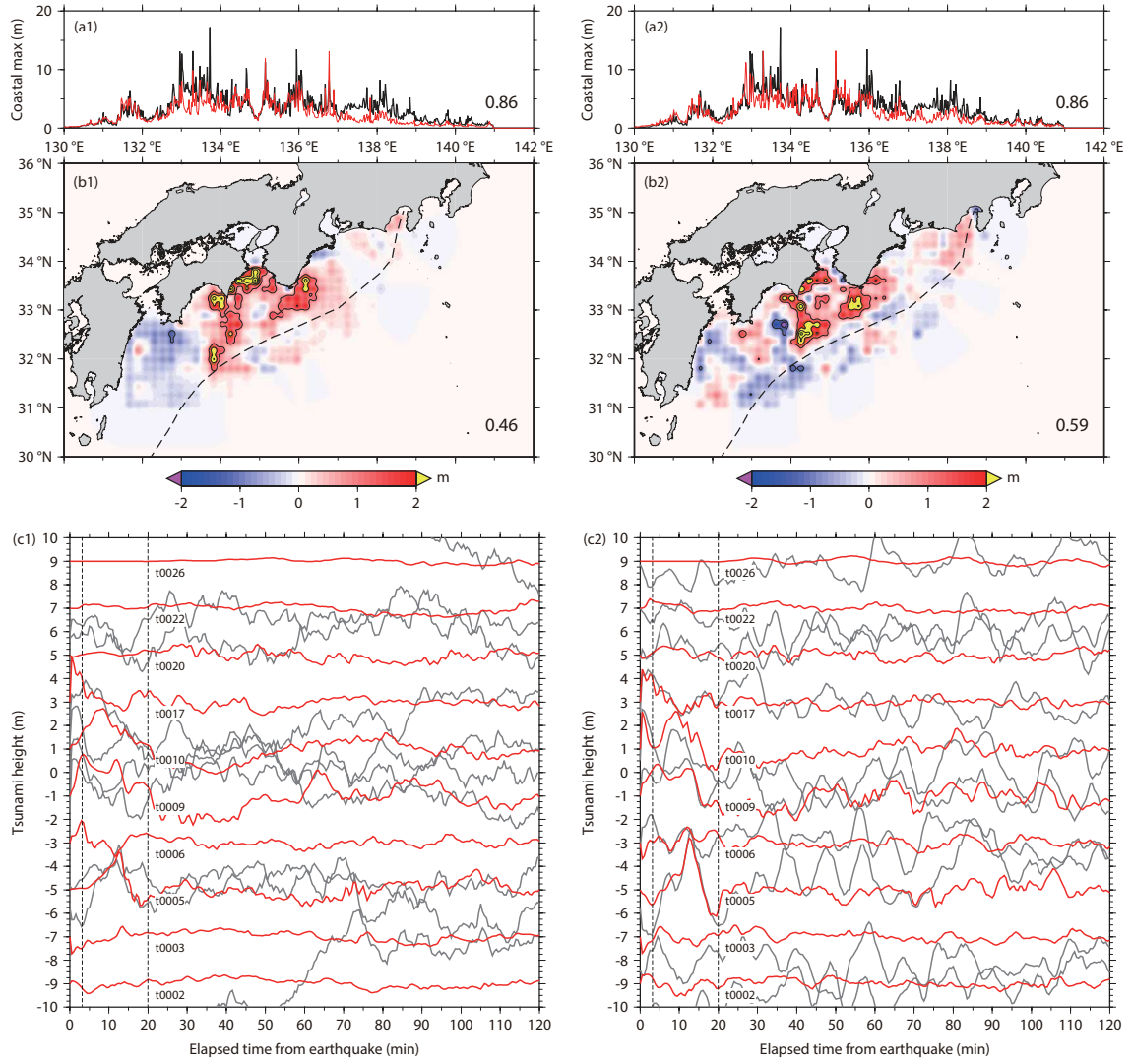


Figure S1 Forecast results. (a) Estimated maximum tsunami height (red) with that of the tsunami scenario of Fig. 2 (black). (b) Estimated tsunami source. (c) Tsunami time series at selected stations (Fig. 3b) of the estimation (red) and the pseudo observation (gray). These are the results using 3–20-min pseudo observation data from GNSS ship height (Fig. 3b). Left and right panels show the results using SINGLE ($\lambda = 1.0$) and DGPS ($\lambda = 0.5$) noises (Fig. 1d), respectively. Correlation coefficients between the estimation and the tsunami scenario of Fig. 2 are shown in the right-bottom sides in (a) and (b).