

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Simulated earthquakes source parameters. This file contains all the simulated earthquake source parameter results. The columns in the text file are the normalized $\hat{T}_e$; normalized $\hat{D}_c$; duration; slip; slip rate; seismic moment; stress drop; rupture style; and effective rupture diameter of each simulation earthquake. The rupture style is labelled as follows: 1 denotes a subRayleigh rupture; 2 is a self-arresting rupture; and 3 is a SSAR.