

G-FAST GNSS-Based Early Warning Module

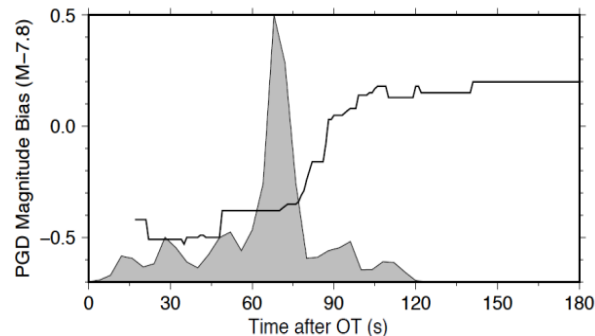
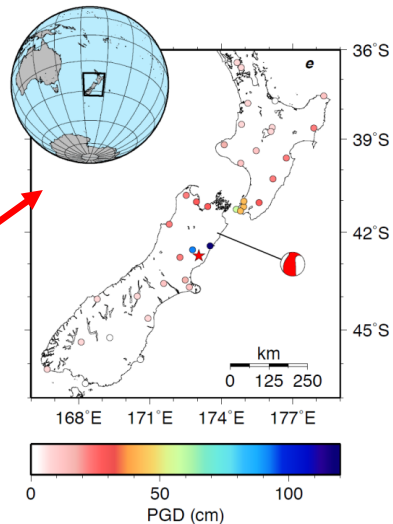
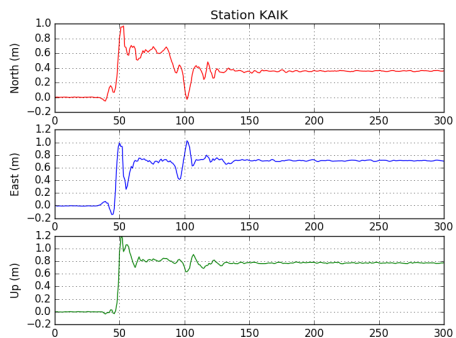
ShakeAlert trigger

Geodetic modeling modules

PGD scaling

CMT-driven Finite Fault (FF) inversion

GNSS Waveforms

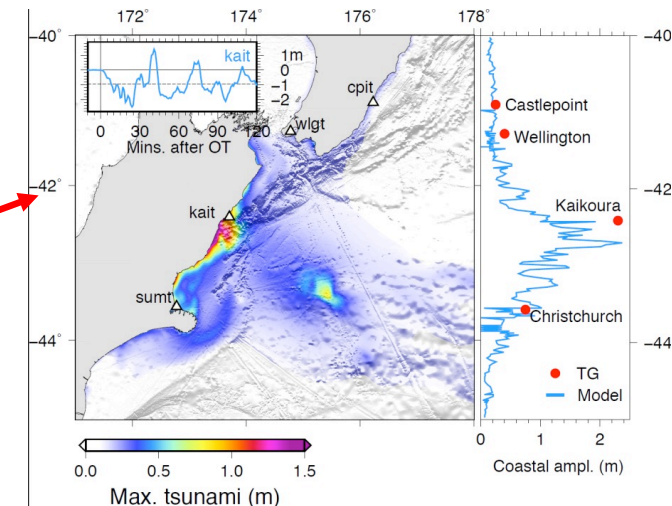
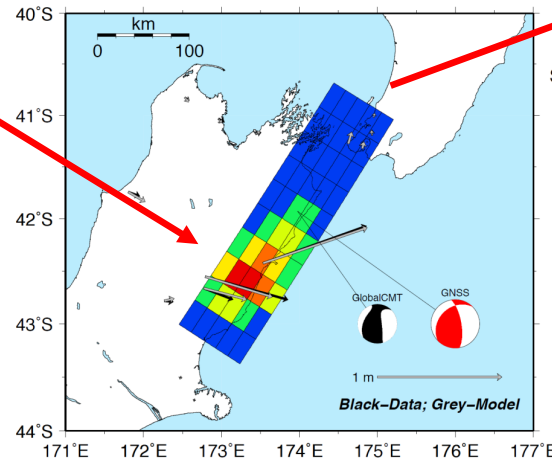
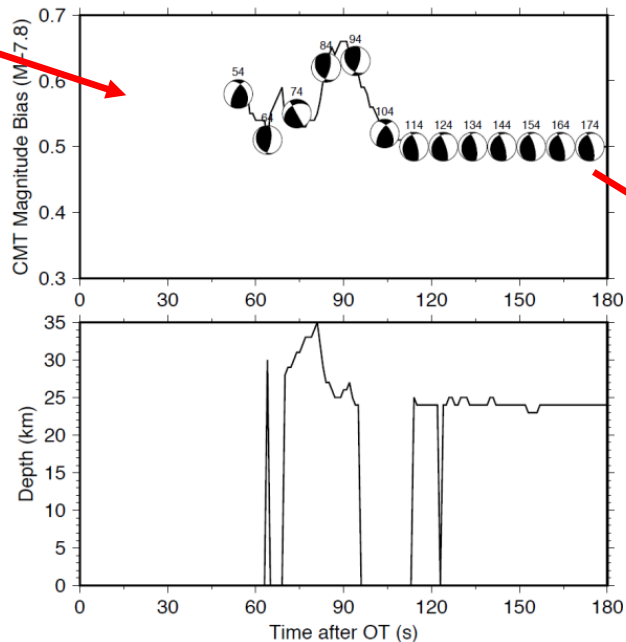


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Hypothetical Real-Time GNSS Modeling of the 2016 M_w 7.8

Kaikōura Earthquake: Perspectives from Ground Motion and Tsunami Inundation Prediction

by Brendan W. Crowell, Diego Melgar, and Jianguhui Geng



Taking output of G-FAST's FF inversion will help aid in near-field tsunami forecasts