

Supplementary Information for “Automatic Speech Recognition Predicts Contemporaneous Earthquake Fault Displacement”

Christopher W. Johnson^{1*†}, Kun Wang^{1,2†} and Paul A. Johnson¹

¹Los Alamos National Laboratory, EES-17 National Security Earth
Science, Los Alamos, New Mexico, 87545, USA .

*Corresponding author(s). E-mail(s): cwj@lanl.gov;

Contributing authors: kun.wang1@exxonmobil.com;

paj@lanl.gov, GAIAanalyticsllc@gmail.com;

[†]Authors contributed equally to this work.

This Supplementary Information includes Figures S1-S3.

² currently at ExxonMobil Technology and Engineering Company

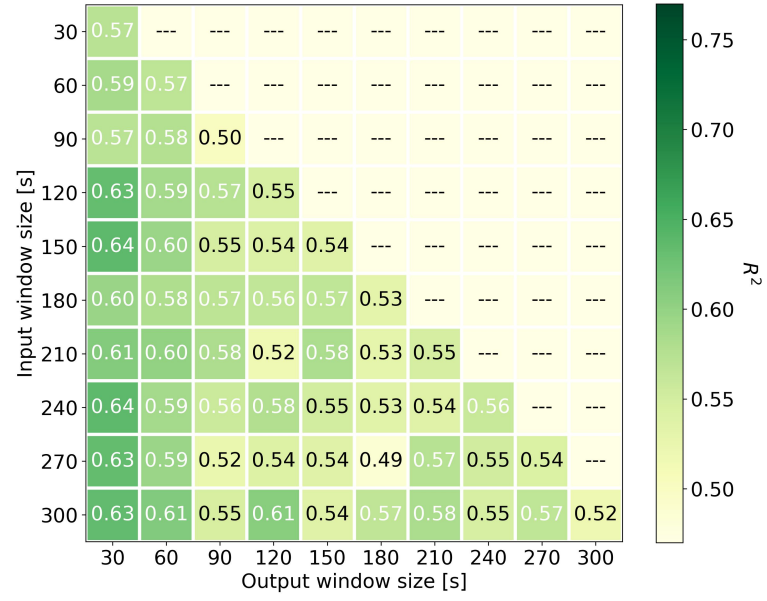


Fig. 1 Grid search for different seismic-data input and displacement-prediction window lengths, showing R^2 of the contemporaneous predictions.

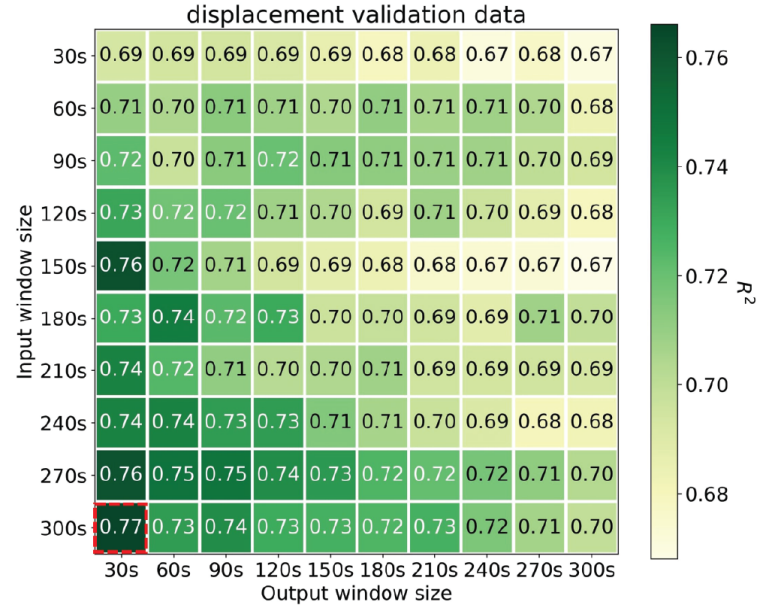


Fig. 2 Grid search for different seismic-data input and displacement-prediction window lengths, showing R^2 of the future predictions.

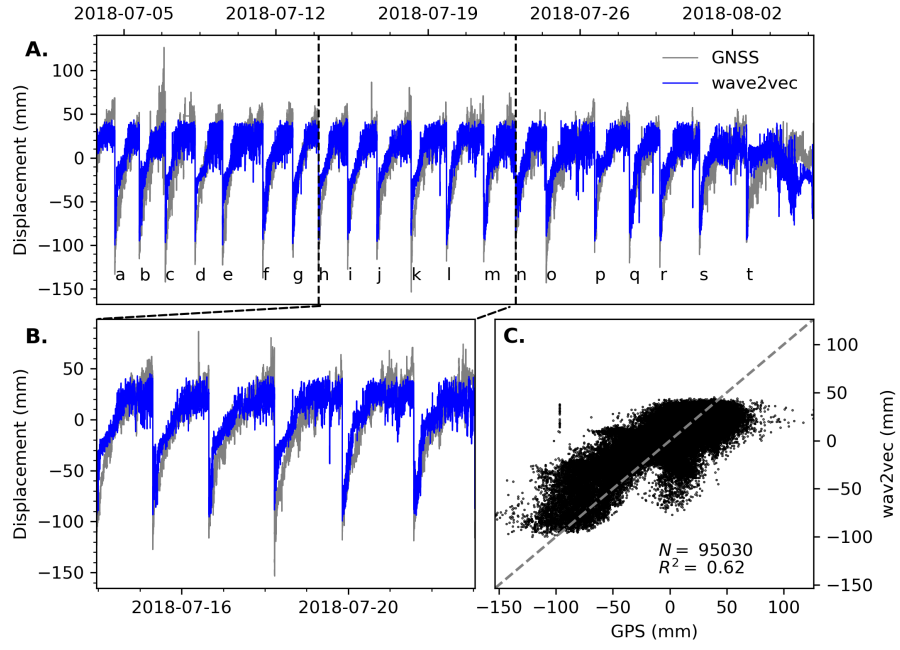


Fig. 3 Future displacement prediction. Figure layout is the same as Fig. 3 in main text.