

# Observed and predicted North American teleseismic delay times

Northwestern Seismology Group

May 12, 2014

## 1 About

- AIMBAT used to measure absolute delay times of teleseismic  $P$  and  $S$  waves
- Recorded by seismic station from EarthScope's USArray, previous PASS-CAL arrays, other networks in North America
- Estimate contributions to delays from
  1. Delays from crustal structure  
Using crustal models
  2. Event side heterogeneity  
Using delay time distribution
- Subtract contributions to delays, from actual measurements  $\Rightarrow$  map average delay at each station
-