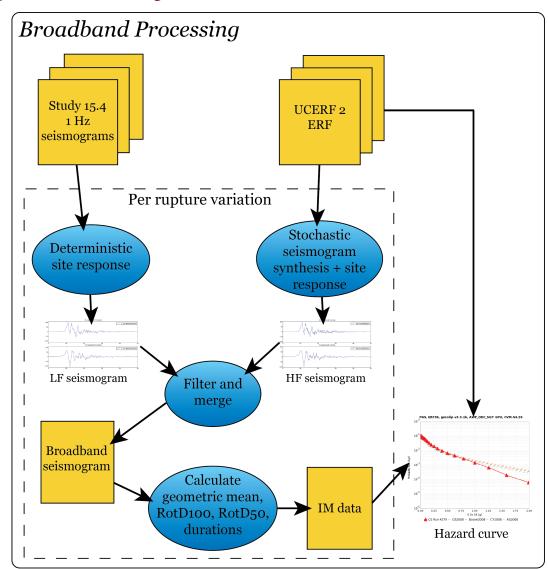
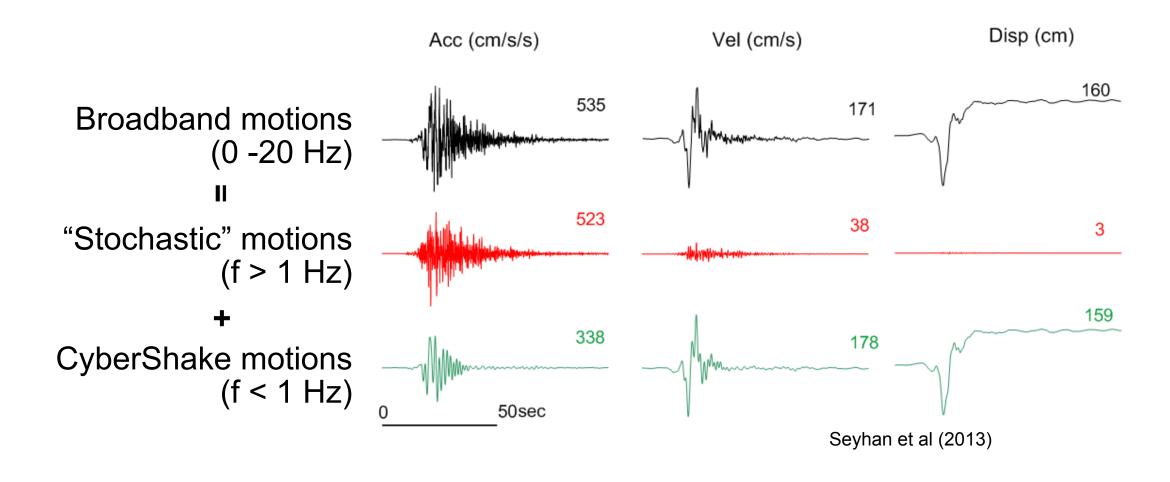
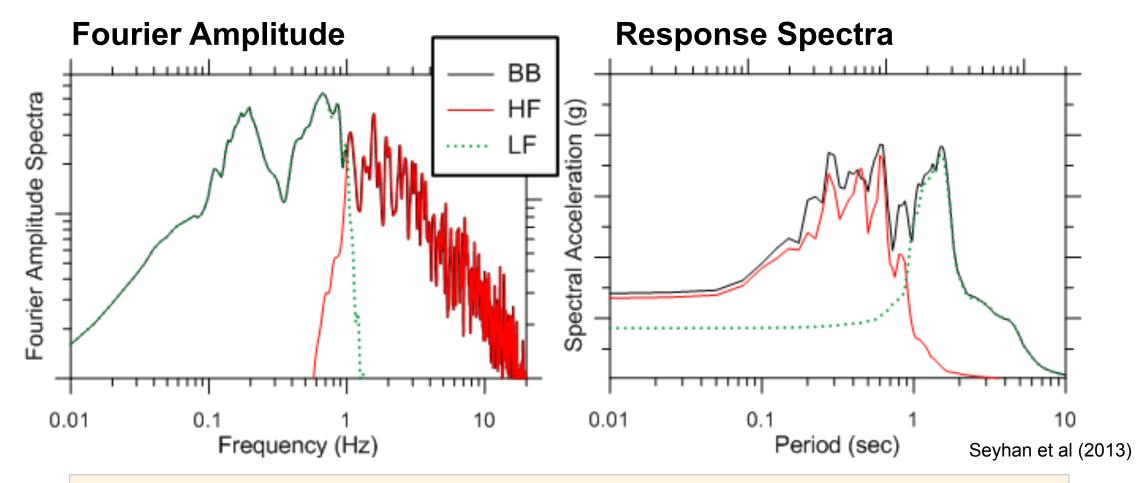
- Combines two computational platforms-
 - CyberShake Platform
 - Broadband Platform (including site response)
- CyberShake: low frequency (f < 1 Hz)
 "Deterministic"
- Broadband: high frequency (f > 1 Hz)
 "Stochastic"
- Results in broadband (0-20 Hz) time series at CyberShake sites

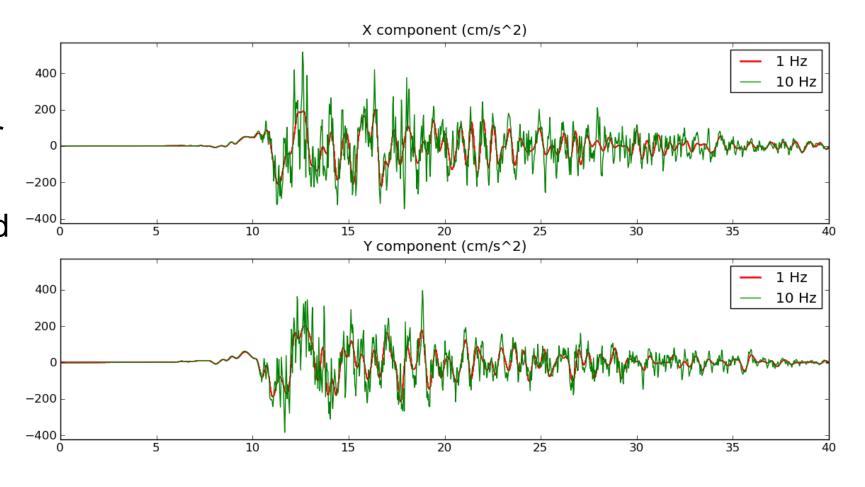






Time domain motions are combined using set of matched filters (1 Hz cross-over)

- Original (blue) and broadband (green) accelerations at PAS for sample rupture
- Time series can be used for dynamic response analysis, etc.
- Note: Generation of broadband motions is not currently part of CyberShake workflow



http://scec.usc.edu/scecpedia/CyberShake_Study_15.12