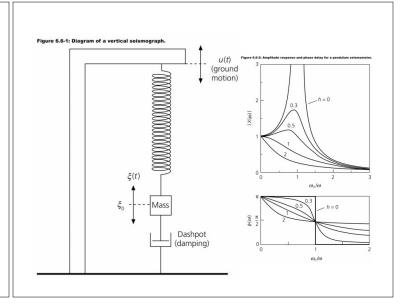
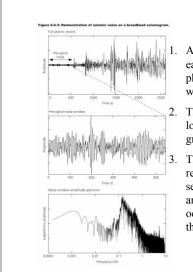
EAS 4803/8803 - Obs Seismology Lec#5: Seismometers and Seismic Networks

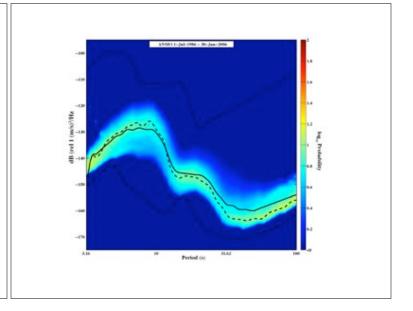
• Dr. Zhigang Peng, Spring 2013

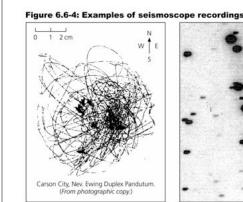
Supplementary figures (mostly from the Stein textbook)

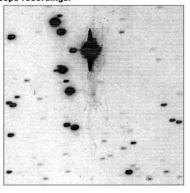


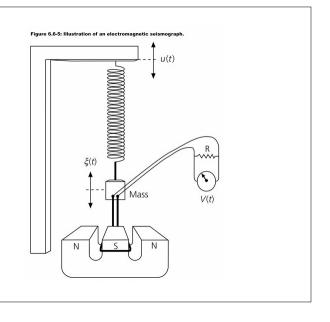


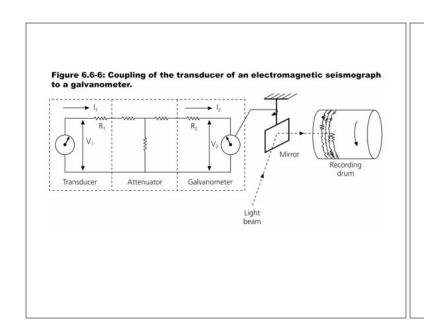
- A microseism is defined as a faint earth tremor caused by natural phenomena, such as winds and ocean waves. (from wikipedia)
- Thus a microseism is a small and long-continuing oscillation of the ground.
- The term is most commonly used to refer to the dominant background seismic noise signal on Earth, which arises from wave action in the oceans, i.e. the low-frequency part of the Ambient Vibrations.

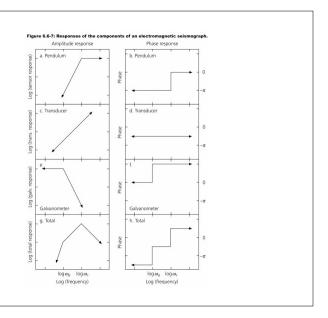


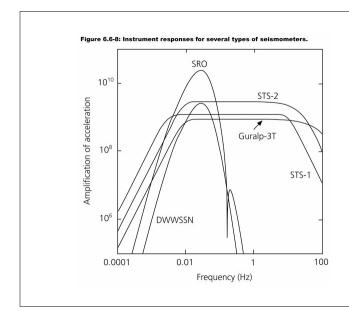


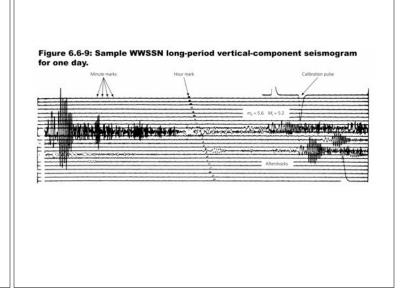


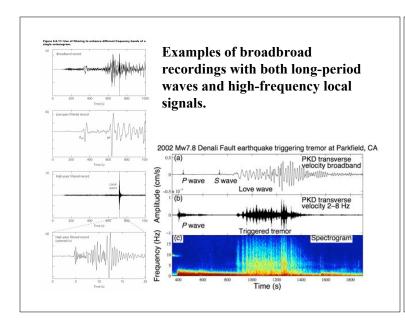


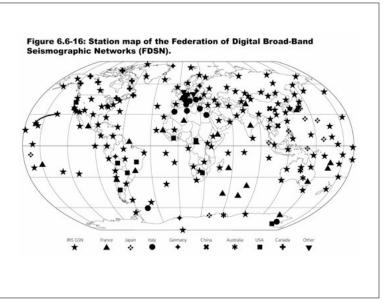


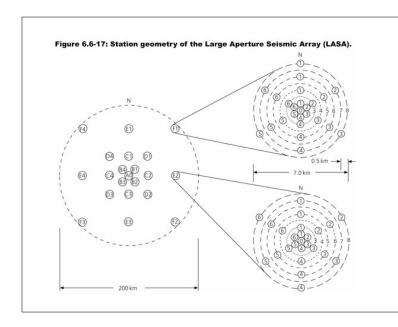


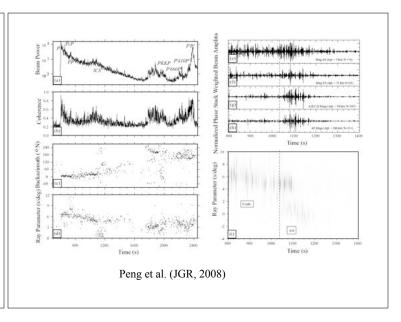


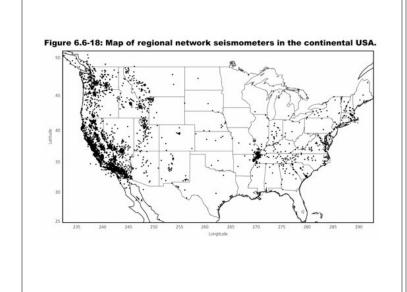












EarthScope Instrumentation 400 transportable seismic stations occupying 2000 sites 875 permanent GPS stations 175 borehole strainmeters 5 laser strainmeters 30 Permanent seismic stations 2400 campaign GPS stations 2400 campaign seismic stations 2400 campaign seismic stations

