

Various kinds of seismic events can be grouped based on their ground motion. By analyzing the seismic waves produced by the magnitude-3.5 disturbance that shook the Crandall Canyon Mine in Utah in August 2007, LLNL and UC Berkeley seismologists determined that the event was a tunnel collapse and not an earthquake. Seismologic data from the magnitude-4 October 2006 North Korea nuclear test indicated that the event was an explosion and not an earthquake or mine collapse.

