

## **Project Abstract**

Data returned from the LARSE I experiment in 1994, which consisted of information gathered from a series of man-made seismic events, showed a zone of high velocity beneath the San Gabriel Mountains. This zone was named the San Gabriel mountains Bright Spot (SGMBS). In order to try and further characterize this zone, I spent the summer working on a project at the University of California, Los Angeles, working under Dr. Paul Davis. The aim of this project was to try and find reflection phases from the SGMBS in local seismic events. We looked primarily for P-P and P-S phases, which is what showed up in the LARSE I survey, as well as spending some time looking for S-S and S-P phases. While nothing conclusive was determined, lining up seismograms at the expected arrival times for the reflection phases yielded some promising results.