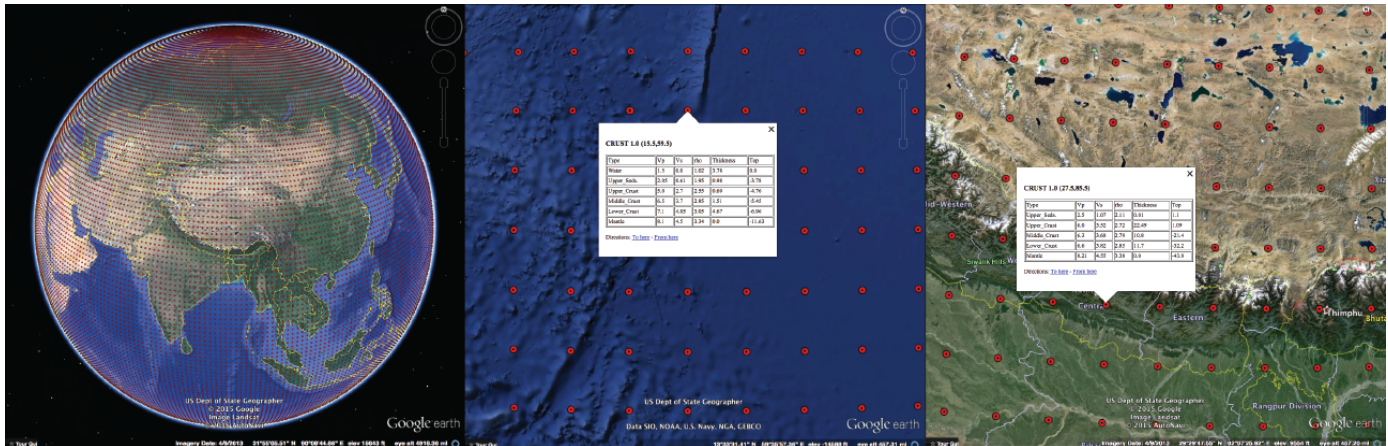


# EXPLORE EARTH'S CRUST



**Free Download: [www.github.com/jrleeman/Crust1.0](http://www.github.com/jrleeman/Crust1.0)**

- **Transitional Crust - from Continent to Ocean:** Look at the crustal structure along the continental margin of the coast of the United States east of Florida. Explore the crustal structure beneath regions of flooded continental material such as the Persian Gulf, southeast Asia, north of Russia near Novaya Zemlya. What differences can you find? How does the crust change from continental to oceanic crust?
- **Large Plateaus and Deep Valleys:** Describe the crustal structure beneath the Tibetan Plateau. Then examine the crust beneath the Altiplano of Bolivia. Contrast that structure with that centered on Death Valley in the central Basin and Range, the Dead Sea Rift in the Middle East, and the Salton Trough of Southern California.
- **Mountain Ranges:** Explore patterns in crustal thickness beneath active mountain regions such as the Himalayas, the Alps, the Zagros, the Tien Shan, and the Rocky Mountains.
- **Platforms and Shields:** Compare the crustal structure beneath the shield regions of Canada and the sediment-covered regions of the northern Great Plains of the United States. Then compare the crust beneath the Arabian shield and platform across Saudi Arabia. What is the primary difference between the crust in these regions?
- **Rifts:** Compare the crust beneath actively extending continental regions such as the western conterminous United States, the east African Rift, the Lake Baikal region. How does it compare to stable regions?