These measurements will help to address issues such as:
Two ways of looking at the atmosphere
Simulated TES Down-looking (nadir) Infrared Spectrum

Simulated TES Side-looking (limb) Infrared Spectrum
In addition to producing regular global maps, TES can also be pointed at specific locations such as volcanos and large-scale fires to investigate more localized processes.

This will be done in concert with other Aura instruments (e.g., HiRDLs), measurements from aircraft and balloons and computer models of atmospheric chemistry and dynamics.

We eagerly anticipate the Aura launch and the unprecedented information that TES will provide about the troposphere, where we live and breathe!