



# Community Access to MODIS Satellite Reprojection and Reduction Pipeline and Data Sets

Val Hendrix, Advance Computing for Science

## Global Scale Remote Sensing

- Moderate Resolution Imaging Spectroradiometer (MODIS), the key instrument aboard NASA's Terra and Aqua satellites, **continuously generates data** as the satellites scan the entire Earth every 1-2 days.

## Problems with Data Deluge

- **Data procurement, processing and storage** difficult for scientists with limited resources.

## HPC Solution

- **Enables calculations** that require the synthesis of MODIS land and atmosphere data products at **high resolution** and **global scale**.

