

3. New Satellite Data for the Field Geologist

Description: This workshop will be an introduction to several new satellite data sets that the field geologist may find useful. As research data, they are generally free or very cheap. In addition, many software packages running on desktop workstations or laptops may be used to produce useful analysis and visualizations.

The workshop will describe the characteristics of visible-near infrared and thermal infrared data sets from the Advanced Spaceborne Thermal and Emission Radiometer (ASTER) and its airborne testbed MASTER, visible-near infrared imaging spectrometer data from the Airborne Visible-Infrared Imaging Spectrometer (AVIRIS), radar image data from the Shuttle Imaging Radar (SIR-C) and its airborne testbed AIRSAR, and digital topographic data from the Shuttle Radar Topography Mission (SRTM).

Examples will be taken from a remote sensing field class run by Caltech in the Mojave Desert - Death Valley region and CDs will be distributed with example data sets from the above sensors.

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Length of course: Half day.

Cost: \$30.

Location: University of Memphis.
