
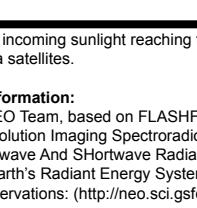
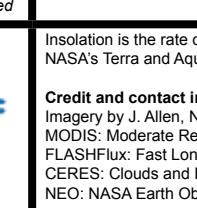


GLOBE Earth System Poster

Exploring connections in year 2007



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Insolation is the rate of incoming sunlight reaching the Earth's surface. These images are derived from measurements of instant energy escaping the top of Earth's atmosphere by the CERES instrument aboard Terra and Aqua satellites.

Surface Temperature is a composition of Land Surface Temperature (LST) and Sea Surface Temperature (SST) computed from various instruments.

Cloud Fraction is measured using MODIS aboard NASA's Terra and Aqua satellites. Cloud fraction is the portion of Earth's surface covered by cloud relative to the portion of Earth not covered by cloud.

Precipitation is measured using TRMM, using data provided by MODIS Land Science Team; SST images by J. Adler, NEO Team, using SST data from AMI-E, courtesy Dr. C. Gentemann, Remote Sensing and Infrared Laboratory, University of Texas at Austin; LST images by R. Stouck, NEO Team, using data provided by the MODIS Atmosphere Science Team.

Aerosols are derived from MODIS, using data provided by the MODIS Atmosphere Science Team.

Biosphere images are composed of Chlorophyll Concentration and NDVI images. Chlorophyll concentration images are derived from MODIS, using data provided by the MODIS Atmosphere Science Team.

NDVI images are derived from MODIS, using data provided by the MODIS Atmosphere Science Team.

Credit and contact information:

1511 images by R. Stouck, NEO Team, using data provided by the MODIS Atmosphere Science Team.

MODIS Moderate Resolution Imaging Spectroradiometer (http://modis.gsfc.nasa.gov)

Advanced Microwave Radiometer for EOS provides microwave ability to see through cloud cover and combines data from AMI-E, MODIS, and TMI (http://modis.gsfc.nasa.gov/AMIE)

NEO NASA Earth Observations (http://neo.gsfc.nasa.gov)

NEO NASA Earth Observations (http://neo.gsfc.nasa.gov)

MODIS Daily Observations (http://modis.gsfc.nasa.gov)

NEO NASA Earth Observations (http://neo.gsfc.nasa.gov)

NEO NASA Earth Observations (http://neo.gsfc.nasa.gov)