Objective

Provide real-time global and regional images (updated daily) for inclusion in the MODIS web using Level 1B data only

Primary Users

MODIS Atmosphere Group

- Level 1B quality assessment
- Identification of special cases for Level 2 algorithm tests

Requirements

- TLCF 24 hour archive of MODIS 1 km Level 1B and geolocation
- IDL on TLCF

Image Types

- Single band (e.g. 0.66 μm, 1.38 μm, 1.6 μm, 11 μm) grayscale or color
- False color (RGB composite)

Image Projections

Most images will be resampled to an equal area map projection (some special cases will be in sensor projection)

Essential Image Features

- Title must include satellite and sensor names, and band(s) used
- Date and time stamped
- Conversion to at-sensor reflectance or brightness temperature
- Color scale

Global Coverage

Produce global image showing all data acquired in a 24 hour period ("World Map", N. Pole, and S. Pole Projections)

Regional Coverage

- Preset areas of interest (e.g. Australasia, Gulf of Mexico, Sahara)
- Generate images every 24 hours

Special Interest

- Unusual events (e.g. Hurricanes, Wildfires, Volcanoes)
- High resolution images which exploit 1km resolution
- Manually generated