

MODIS Level 1A Radiance Counts (MOD 01)

Product Description

This Level 1A data set contains counts for 36 MODIS channels, along with raw instrument engineering and spacecraft ancillary data. The Level-1A data are used as input for geolocation, calibration, and processing. Quality indicators are added to the data to indicate missing or bad pixels and instrument modes. Visible, SWIR, and NIR measurements are made during daytime only, while radiances for TIR are measured during both the day and the night portions of the orbit. This product includes all MODIS data in digitized (counts) form for all bands, all spatial resolutions, all time tags (converted), all detector views (Earth, solar diffuser, spectroradiometric calibration assembly, black body, and space view), and all engineering and ancillary data.

MODIS Level 1A Radiance Counts Summary

Coverage: Global

Spatial/Temporal Characteristics:
0.25, 0.5, and 1 km resolutions/
daily (daytime and nighttime)

Wavelengths: 20 channels 0.4-3.0 μm ,
16 channels 3-15 μm

Processing Level: 1A

Product Type: Standard, at-launch

Maximum File Size: 534 MB

File Frequency: 288/day

Primary Data Format: HDF-EOS

Additional Product Information:
[http://daac.gsfc.nasa.gov/
CAMPAIGN_DOCS/MODIS/
rad_geo_products.html](http://daac.gsfc.nasa.gov/CAMPAIGN_DOCS/MODIS/rad_geo_products.html)

DAAC: NASA Goddard Space Flight Center

Science Team Contact:
V.V. Salomonson