

MODIS Atmosphere Team Webinar Series #12: Resources for Finding and Using MODIS Products

Richard Kleidman (SSAI/613)

and

Lots and lots and lots of other people who produce and maintain
all of these resources.








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Atmosphere Team Webinar Schedule

<http://aerocenter.gsfc.nasa.gov/ext/registration/>

MOD06 Cloud Top Properties Product	Paul Menzel	20-Aug-14	 Presentation  Video
Archives and Data Acquisition	Ed Masuoka	10-Sep-14	 Presentation  Video
MOD06 Cloud Optical Properties	Steve Platnick	17-Sep-14	 Presentation  Video
MOD08 Level 3 Product	Steve Platnick / Bill Ridgway	24-Sep-14	 Presentation  Video
Giovanni Aerosols Express	Jim Acker	1-Oct-14	 Presentation  Video
MODIS Atmosphere Product Resources	Richard Kleidman	8-Oct-14	<i>Materials to Follow.</i>
MAIAC 1 Km Aerosol Product	Alexei Lyapustin	15-Oct-14	<i>Materials to Follow.</i>



Resource Groups

1. Reference Sites

1. Images

1. Data Archives

1. Visualization and Analysis Tools

How to Use This Presentation

The use of the resources from this presentation are best explained by viewing the companion video and handouts which explain or give walkthrough illustrations of how to use the resources.

This power point will provide a condensed list of links by category of resource.

Reference Sites

MODIS-Atmos Website – The main reference website for the MODIS atmosphere products.

<http://modis-atmos.gsfc.nasa.gov>

Dark target website – new website for the dark target aerosol product

<http://darktarget.gsfc.nasa.gov>

Images

Where to find images:

Summary tables can be found at:

Dark target website links page: <http://darktarget.gsfc.nasa.gov/links>

NASA ARSET site: <http://arset.gsfc.nasa.gov/airquality/applications/sat-imagery>

Reference materials available at the bottom of the page.

[MODIS Rapid Response](#) – Raw images (currently only available after Dec 2013).

[MODIS-atmos](#) – Geo-referenced images, product images.

[MODIS Today](#) – Only continental US

[NASA Earth Observations](#) – Can generate level 3 product images.

[NASA Worldview](#) – Primarily a visualization tool but images can be generated here

[LADSWEB Global Browse](#) – Level 3 Product images

[LADSWEB Granule Browse](#) – Level 2 Product images

Data Archives

LADSWEB <http://ladsweb.nascom.nasa.gov>

The main archive for MODIS atmosphere products.

Filter products by percentage of retrievals

Mosaic products – must limit parameters selected

Mirador <http://mirador.gsfc.nasa.gov>

(See presentation by Ed Masuoka)

iCare <http://www.icare.univ-lille1.fr> - requires registration

Alternative site for obtaining MODIS products.

(Currently no 3Km Product)

FTP Access, Search and Order

Multi-sensor data visual analysis tool.

x/y plots

0.1 and 0.5 degree gridded aerosol products!

Visualization Tools

NASA Worldview <http://ladsweb.nascom.nasa.gov>

Quick visualization tool for many NASA products.

Currently uses MODIS Collection 5.1 data. Data beginning in May 2012.

Panoply <http://www.giss.nasa.gov/tools/panoply/>

A very user friendly interface to open and visualize MODIS (and other) HDF files as well as files in netCDF, HDF and GRIB format.

Plotable variables can be saved as images or KML files.

Variables from multiple files can be combined.