

Tiger Team meeting
on CERES ordering tool and product
web pages

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Sep 16, 2009

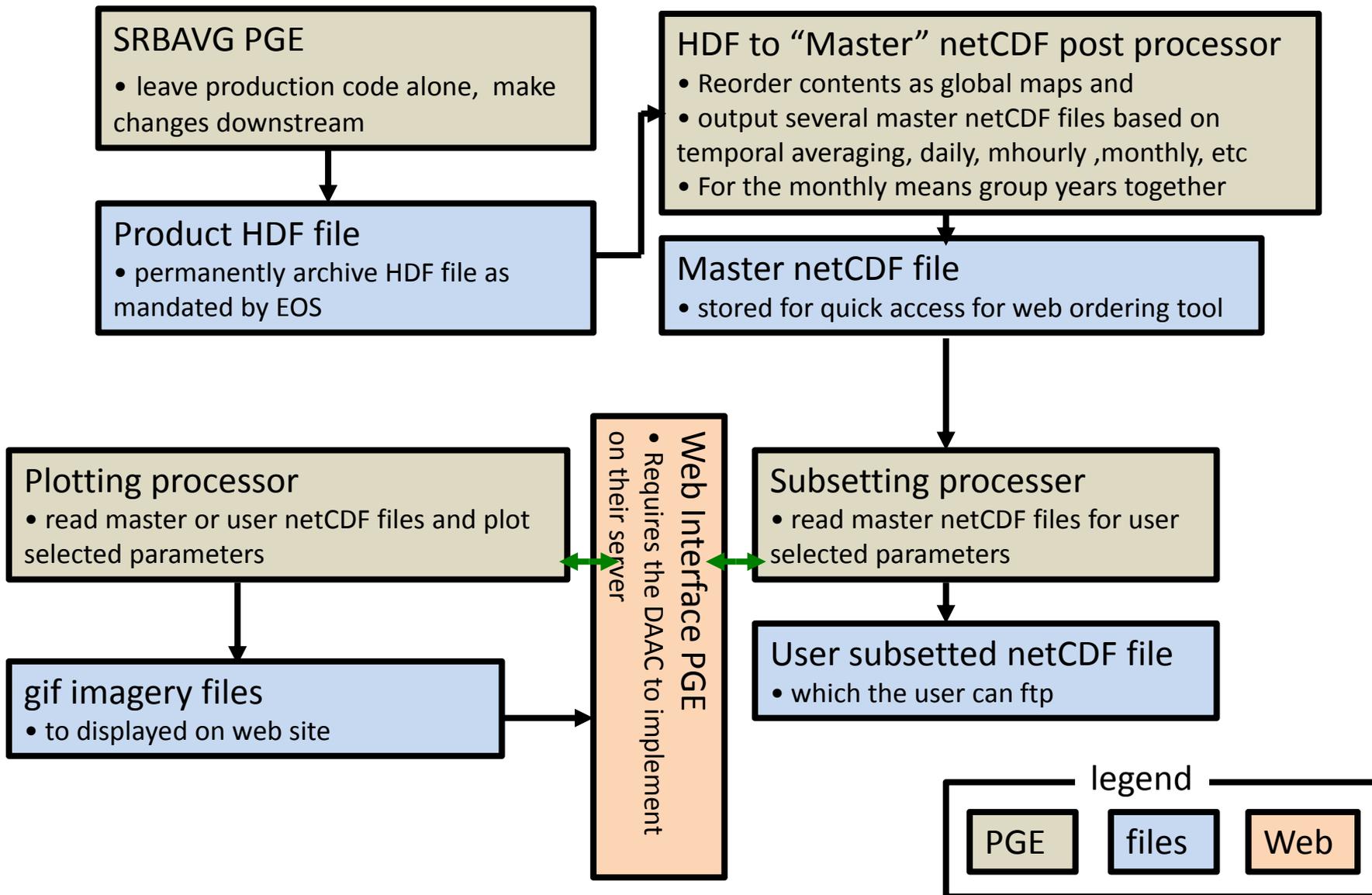
Timeline

- Debut of new CERES ordering tool and product pages for the new CERES Edition3 products
 - We will have the CERES EBAF (Ed2) and SSF-grid-monthly (Ed3) products on the ordering tool
 - Have implemented by mid March 2010 on development environment
 - Where CERES “users” can comment on the tool
 - End of April 2010, after CERES science team approval, turn live, on server environment
- Spring 2011 the ordering tool and product pages will have all the CERES Ed3 products available on the ordering tool
 - Monthly and daily products first of SSF, ERBELike, CRS, SYN, ISCCPlike
 - All the CERES product pages should be complete at this point
 - This is the date of the next CERES Senior review, when funding is determined
- After this point we can expand the capabilities of the browser, ordering tool and add more lower level products
 - SSF, CRS footprint data with the help of the CALIPSO team
 - Browser capabilities for analyzing data

Types of Users

- New ordering tool and product pages are only being developed for CERES Edition3 products
 - CERES Edition2 DAAC processing flow chart will not change to generate product HDF files
 - Postprocessing will convert HDF files into netcdf files using web interface
- We are trying to target 3 types of users
 - Super user that wants all that CERES has
 - HDF product files are sufficient
 - Already in place
 - Intermediate user wants prepackaged parameters
 - Master NetCDF files and Norm's SRBAVGLite
 - Casual user wants only a few parameters in a user friendly format
 - Small NetCDF or ascii files generated by a subsetter or browser
 - Does not want to make many decisions to get his data

Subsetting flow chart for Product delivery



CERES product pages

- General CERES introduction pages
- Need to answer, What is the best product for my application
 - ERBElike, nonGEO, GEO, tuned, untuned, EBAF TOA fluxes are available, which one should the users order
- Need to establish the CERES web page format
 - NASA top banner, button banner, etc, so that all pages have the same look
- Need to incorporate information on the current CERES web pages.



Home : CERES

Introduction

Documentation

Data Products

Browse Products

Meetings

Related Activities

Education Outreach:

S'COOL

My NASA DATA

University Level Links

CERES on TRMM

CERES on Terra

CERES on Aqua

Public Release
Images & Articles

CERES On-Line Documentation

- Publications Listings
 - Formal Publications [PDF]
 - Conference Publications [PDF]

- System Level Documents
 - CERES II Science Team Meeting Proceedings
 - CERES on NPP
 - Configuration Management Home Page
 - Data Management Plan: PDF
 - Data Management Process Plans
 - Data Products Catalog
 - External Ancillary Input Data List: PDF - (April 2000)
 - Interface Requirements Document: PDF
 - Quality Assessment Plan, Release 3.1: PDF
 - Science Team Meeting Proceedings - (Archive)
 - Software Coding Guidelines: PDF
 - Software Computer Bulletins

- Subsystem Level Documents
 - Algorithm Theoretical Basis Documents (ATBDs)
 - Collection Guides
 - Operator's Manuals
 - Requirements Logs
 - Software Design Documents
 - Software Requirements Documents
 - Test Plans
 - Validation Documents
 - Data Quality Summaries:
 - Complex Processing Data Sets: (CRS|FSW|SYN|AVG|ZAVG)
 - Simple Processing Data Sets: (SSF|SFC|SRBAVG)
 - ERBE-like Sets: (ES-4|ES-8|ES-9)
 - Instrument Data Sets: (BDS)

- Data Management Team Materials
 - DMT to DAAC Production Requests
 - Data Management System Status Presentations
 - Data Management Team Internal Documents
 - Data Management Team Terra/Aqua Status Reports
 - Data Management Team NPP/FM5 Reports



CLOUDSAT



Home

Overview

Mission

Instrument

News

Data

Cloud Art

Publications

Education

Science Team

Partners

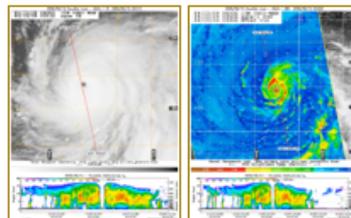
Contacts

Ventures

15 September 2009

Typhoon Choi-Wen

CloudSat completed an eye overpass of Typhoon Choi-Wen in the West Pacific on 8/15/2009 at 0352Z. The CloudSat overpass shows the vertical cross section right through the center of the storm. The eye center is cirrus free with eye wall edges sloping outwards towards the top of the storm with hot towers on both sides (denoted by the bright red bands outside the eye center in the AQUA AMSR-E 89 GHz image). The storm has a well developed, fully enclosed circular eye wall (red circle) around the eye center with orange and red reflectivities (intense convection and precipitation) extending outwards. The AQUA IR depicts cloud cover throughout the overpass but the CloudSat image reveals moats (convection free areas) containing a thick cirrus canopy between the spiral rain bands. This is one of a few inner eye images CloudSat has captured of an Category 4/5 tropical cyclone.



Quick Links

- [QuickLook Images \(DPC\)](#)
- [Google Maps CloudSat Browser \(U. Utah\)](#)
- [CloudSat Data Browser \(U. Utah\)](#)
- [Orbital Elements \(DPC\)](#)
- [Orbital Prediction \(LaRC\)](#)
- [CloudSat Google Earth Resources \(DPC\)](#)
- [Tropical Cyclone Overpasses \(CSU\)](#)

1 September 2009

Typhoon Jimena

CloudSat made an overpass of Hurricane Jimena (winds 135 knots, 931 mb) as the storm was approaching the Baja peninsula on September 1, 2009. CloudSat overpassed just outside the ring of the deep convection. 89 GHz AMSR-E image shows the system completing an eye wall replacement cycle (noted by the almost complete red ring around the center of the storm). The GOES-12 IR image depicts the cloud cover of the storm, the CloudSat data

Something other pages do that CERES could emulate (1).

<http://coralreefwatch.noaa.gov/satellite/index.html>

The screenshot shows the NOAA Coral Reef Watch Satellite Monitoring website. The browser address bar displays <http://coralreefwatch.noaa.gov/satellite/index.html>. The page header includes the NOAA Satellite and Information Service logo and the Coral Reef Watch logo. The main content area is titled "Coral Reef Watch Satellite Monitoring" and features a satellite map of the world showing coral bleaching alert areas. The map is dated "10 Aug 2009" and includes a legend with five categories: No Stress, Watch, Warning, Alert Level 1, and Alert Level 2. Below the map are several buttons: Alerts, HotSpot, DHW, SST, Anomaly, Outlook, and Doldrums. A red box highlights the map and its controls, with a red arrow pointing to it from the text "Provides near real-time image showing nature of data." The left sidebar contains a navigation menu with links to CRW Home, Product Overview, Near-Real-Time Data, Bleaching Alert Area, Degree Heating Weeks, HotSpots, Sea Surface Temperature, SST Anomaly, Virtual Stations, Datasets, Experimental Products, Research Activities, Outreach/Education, and About Us. The right sidebar contains an Announcements section with two entries: "July 16, 2009: Our Bleaching Outlook indicates a significant potential for high thermal stress in the Caribbean in 2009, with low level stress in the central Pacific and near Japan." and "Apr 23, 2009: Our new twice-weekly satellite global Bleaching Alert Area Product is now available." The footer includes the NOAA logo, a Privacy Policy | Disclaimer link, and a contact link for Coral Reef Watch.

Provides near real-time image showing nature of data.

Something other pages do that CERES could emulate (2).

<http://www.noaa.gov/>



Provides multiple images to explain what CERES is all about in a 3-5 slide show.

Something other pages do that CERES could emulate (6).

<http://www.arm.gov/data/documentation.stm>

The screenshot shows a web browser window with the URL <http://www.arm.gov/data/documentation.stm>. The page features a navigation menu with tabs for 'ABOUT ARM', 'ABOUT ACRF', 'SCIENCE', 'SITES', 'INSTRUMENTS', 'MEASUREMENTS', 'DATA', 'PUBLICATIONS', 'EDUCATION', and 'FORMS'. Below these tabs is a secondary menu with links like 'Datastreams by Alpha', 'Field Campaign Data', 'Showcase Data Sets', 'PI Data Products', 'Related Data Sets', and 'Value-Added'. A red box highlights this navigation area, and a red arrow points to it from the text 'Provides use of tab in two layers.' The main content area includes a 'Data Documentation' section with text about data collection and storage, a diagram showing 'INSTRUMENTS' producing 'DATA STREAMS' over '24 HOURS' into a 'DATA FILE', and a 'Policies, Plans, and Descriptions' section with a list of links. The footer contains a logo and text: 'Send comments to [Us](#). Last Modified: May 23, 2008'.

Provides use of tab in two layers.

GIOVANNI - Another NASA Ordering Tool (could we implement the search capabilities?)



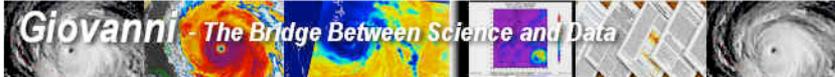
National Aeronautics
and Space Administration

Goddard Earth Sciences
Data and Information Services Center

Search DISC

+ Advanced Search

+ ATMOS COMPOSITION
+ HYDROLOGY
+ A-TRAIN
+ AIRS
+ MODELING
+ NEESPI
+ PRECIPITATION



Giovanni

You are here: [GES DISC Home](#) » Giovanni

GIOVANNI

Giovanni is a Web-based application developed by the GES DISC that provides a simple and intuitive way to visualize, analyze, and access vast amounts of Earth science remote sensing data without having to download the data.

Giovanni is comprised of a number of interfaces, called instances, each tailored to meet the needs of different Earth science research communities.

- **Atmospheric Instances:** A-Train along CloudSat Track; Aerosol Optical Thickness Measurement and Model Comparison *Daily and Monthly*; MISR *Daily and Monthly*; Aqua/AIRS Global *Daily and Monthly*; MODIS Terra and Aqua *Daily and Monthly*; Aura OMI Level 3 and Level 2G; Aura Microwave Limb Sounder (MLS); Aura High Resolution Dynamics Limb Sounder (HIRDLS); Earth Probe and Nimbus-7 TOMS; Upper Atmosphere Research Satellite (UARS) Halogen Occultation Experiment (HALOE); Modern Era Retrospective-Analysis for Research and Applications (MERRA) *3D Monthly and 2D Monthly*.
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A-Train	Aerosol Daily	Aerosol Monthly	Agriculture	AIRS Daily
AIRS Monthly	Air Quality	HALOE	HIRDLS	MERRA 3D
MERRA 2D	MISR Daily	MISR Monthly	MLS	MODIS Daily
MODIS Monthly	Ocean Color	Ocean Color Rad	NEESPI Daily	NEESPI Monthly
OMI	OMI L2G	TOMS	TRMM	

[MORE information for beginning Giovanni users!](#)

» OVERVIEW

- + What is Giovanni?
- + Who Uses Giovanni?
- + Giovanni Parameters
- + Giovanni Plot Types
- + How to Use Giovanni
- + How to Acknowledge Giovanni
- + Acknowledgements

Additional Features

- + News
- + Users Manual
- + Publications
- + Newsletters
- + Feedback

What are the 1st and 2nd tier priorities for the CERES product pages?

- 1st tier is what needs to go into the debut version by March 2010

Something other pages do that CERES could emulate (4).

<http://ladsweb.nascom.nasa.gov/data/search.html>

LAADS Web -- Search for Level 1 and Atmosphere Products

http://ladsweb.nascom.nasa.gov/data/search.html

NASA GODDARD SPACE FLIGHT CENTER + Visit NASA.gov

LAADS Web

Level 1 and Atmosphere Archive and Distribution System

+ HOME - DATA + IMAGES + TOOLS + HELP

Search for Level 1 and Atmosphere Products

If you know the file names of the products for which you are searching, you may also [search for file names](#).

Product Selection [+ View Help](#)

Please select one or more products:

Satellite/Instrument:
 Terra MODIS Aqua MODIS Combined Terra & Aqua MODIS Ancillary Data

Group:
Terra Level 1 Products

Products:
MOD01 - Level 1A Scans of raw radiances in counts
MOD021KM - Level 1B Calibrated Radiances - 1km
MOD02HKM - Level 1B Calibrated Radiances - 500m
MOD02OBC - Level 1B Onboard Calibrator/Engineering Data
MOD02QKM - Level 1B Calibrated Radiances - 250m
MOD02SSH - MODIS/Terra Level 1B Subsampled Calibrated Radiances 5km
MOD03 - Geolocation - 1km
MODASRVN - AERONET-based Surface Reflectance Validation Network

Please read the [disclaimer](#) about the Collection 5 MOD04_L2 and MYD04_L2 products.

Temporal Selection [+ View Help](#)

Please enter the temporal information in either MM/DD/YYYY or YYYY-DDD format:

Temporal Type:
Date and Time Range

Start Date and Time: 07/01/2009 00:00:00 End Date and Time: 08/10/2009 23:59:59

Collection Selection [+ View Help](#)

Please select a collection:

Collection:
5 - Coll 5 AQUA/TERRA Forward and Reprocessing

Note: The Aqua products MYD04_L2, MYD05_L2, MYD06_L2, MYDATML2, MYD08_D3, MYD08_E3, and MYD08_M3 are only available in Collection 5.1 as of data day January 1, 2009. These products are available in Collection 5 prior to data day January 1, 2009. Please see the [Data Availability](#) page for an overview of the data availability of Collection 5 and 5.1 products

Spatial Selection [+ View Help](#)

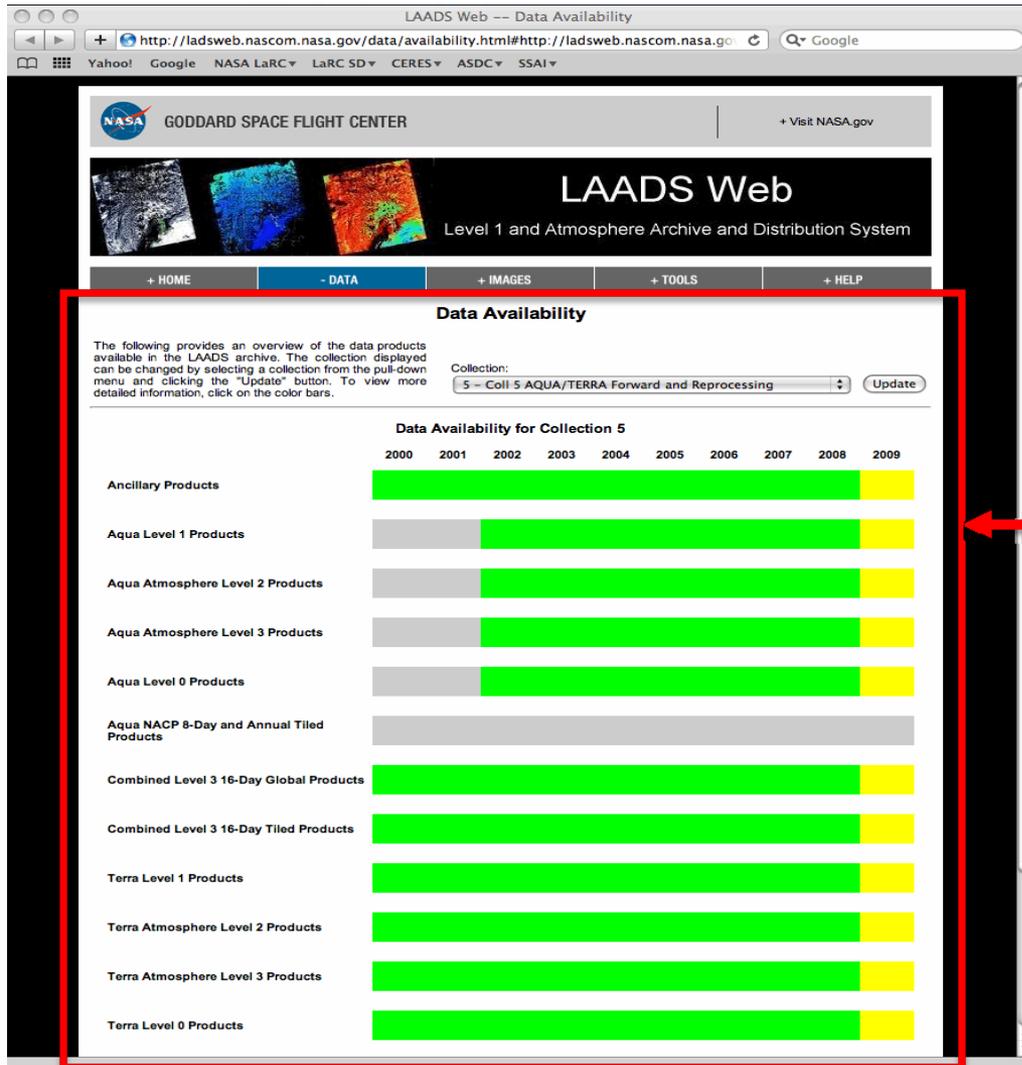
Please enter the coordinates for your area of interest.

Coordinate System:

Clean search tool page

Something other pages do that CERES could emulate (5).

<http://ladsweb.nascom.nasa.gov/data/availability.html>



Data availability drill down is almost there.

Something other pages do that CERES could emulate (6a).

Select ARM Site

Note: You will be asked to make some selections to establish your search criteria for ordering ARM data or viewing data quick looks and quality information

Please select an ARM Site [?] from the following list

1

- Black Forest, Germany; Mobile Facility
- Eureka, Ellesmere Is., Canada; for NOAA SEARCH project
- Global Earth Coverage
- Graciosa Island, Azores, Portugal; Mobile Facility
- Niamey, Niger; Mobile Facility
- North Slope Alaska
- Point Reyes CA, USA; Mobile Facility
- SHEBA (Surface HEat Budget of the Arctic)
- Shouxian, Anhui, China; Mobile Facility
- Southern Great Plains
- Tropical Western Pacific

NEXT RESET

Reference Map

Map Satellite Hybrid Earth

MAP LEGEND

- ARM Site
- Mobile Facility
- Other sites

Click on a marker to view site details.

ARM Data Browser Home

Select Search Path

3

Current search criteria:

Site:	Global Earth Coverage
Start Date:	01/01/1999
End Date:	08/11/2009

ARM information (data, data quick looks and quality information) can be selected by instrument

[?] or by measurement (geophysical focus area) [?]

Please choose a selection approach:

Instruments Measurements

NEXT

ARM Data Browser Home (Cancel selections) PROBLEMS?

Select Date Range

2

Current search criteria:

Site: Global Earth Coverage

Please select a date range:
(valid date range for this site is 01/01/1999 to 08/11/2009)

Start Date: 01/01/1999 End Date: 08/11/2009
(mm/dd/yyyy)

January, 1999

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Select date

Select Category

4

Current search criteria:

Site:	Global Earth Coverage
Start Date:	01/01/1999
End Date:	08/11/2009
Searchpath:	Instruments

Select one or more instrument categories for site: Global Earth Coverage

(use control - mouse click to make a specific selection or use shift - mouse click to select a range)

Atmospheric Profiling
Satellite Observations

NEXT

ARM Data Browser Home (Cancel selections) PROBLEMS?

Something other pages do that CERES could emulate (6b).



Data Selection Summary

Data Selection Summary

(show/hide [search criteria](#))

Current search criteria:	
Site:	Global Earth Coverage
Start Date:	01/01/1999
End Date:	08/11/2009
Searchpath:	Instruments
Category:	1. Satellite Observations
Instruments:	1. Ozone Monitoring Instrument
Facilities:	1. X1:External Data (satellites and others)

[Print or save this page](#) [Email this page](#)

You can list the associated files [?](#), view the data quality color calendar [?](#), view data quality reports (DQR) [?](#), or view quick looks(QL) [?](#)

[More Quick Looks](#)

[List files to order](#) [Quality Color Summary](#) [DQ Reports](#) [Quick looks](#)

Summary Table

Data Stream ? Information			Estimated Archive Results (01/1999 to 08/2009)			
Data Stream Name	Data Stream Description	Full Date Range	Files	Size(MB)	DQR Days	QLs
gecomiX1.a1	Ozone Monitoring Instrument	10/01/2004 - 06/30/2009	57	1255.9003	0	0

Note:

- Results** : statistics are estimates based on monthly summaries
- Data Streams** : The highest [data level](#) data streams are selected for any given date. Multiple data streams may result
 - : Valid date range for a data stream. Data streams with different data levels or with different date ranges are possible.
- Full Date Range** : Number of days in the data selection time range that have one or more significant DQRs (red or yellow data quality limitations). Other, less critical, informational DQRs may also be available.
- DQR Days**

[ARM Data Browser Home \(Cancel selections\)](#) [PROBLEMS?](#)

Navigation

- Site
- Date Range
- Search Path
- Category
- Instruments
- Facilities
- Summary Page
- Place Order

Questions/Comments?

We would love to hear from you! Send us a note below or call 1-888-ARM-DATA.

Email Address

[SUBMIT](#)

Interface Help

- [View interface help documentation](#)

ARM Documentation

- [Data Stream](#)
- [Data Files](#)
- [Data Quality Color Calendar](#)
- [Data Quality Report \(DQR\)](#)
- [Quick Looks \(QL\)](#)

Walks user through the search process and provides an ability to manage search criteria.

Shows search criteria.

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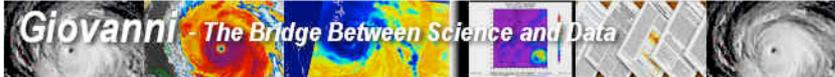
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Subsetter strawman

<p>Stream</p>	<p> <input checked="" type="radio"/> SSF <input type="radio"/> SYN <input type="radio"/> CRS </p>	<ul style="list-style-type: none"> • The user would be restricted to a single stream • These would be linkable to the data ordering tool web descriptions • The web pages would direct the user to the best stream for his application 		
<p><input checked="" type="checkbox"/> TOA Flux</p>		<p> <input checked="" type="checkbox"/> Clear-Sky <input checked="" type="checkbox"/> All-sky </p>	<p> <input checked="" type="checkbox"/> LW Flux <input checked="" type="checkbox"/> SW Flux <input checked="" type="checkbox"/> WN Flux <input checked="" type="checkbox"/> Albedo <input checked="" type="checkbox"/> Net Flux </p>	<ul style="list-style-type: none"> • All parameter names will be linkable to the PDD document • If there are any cautions in the DQS will also be linked (easier to make a web change than to rerun the whole product) • If error in parameter, remove parameter from subsetter • There are too many parameters to list in a pull down menu
<p><input type="checkbox"/> Cloud Properties</p>	<p> total <input type="checkbox"/> High <input type="checkbox"/> Upper Middle <input type="checkbox"/> Lower Middle <input type="checkbox"/> Lower </p>	<p> <input checked="" type="checkbox"/> Day only <input checked="" type="checkbox"/> 24-hour </p>	<p> <input type="checkbox"/> Cloud Area Fraction <input type="checkbox"/> Cloud Effective Pressure <input type="checkbox"/> Cloud Effective Temperature <input type="checkbox"/> Cloud Effective Height <input type="checkbox"/> Cloud Top Pressure <input type="checkbox"/> Cloud Base Pressure <input type="checkbox"/> Cloud Particle Phase <input type="checkbox"/> Liquid Water Path <input type="checkbox"/> Ice Water Path <input type="checkbox"/> Water Particle Radius <input type="checkbox"/> Ice Particle Effective Diam <input type="checkbox"/> Infrared Emissivity <input type="checkbox"/> Cloud Visible Optical Depth - log </p>	

Subsetter strawman

Temporal Resolution	<input checked="" type="radio"/> Monthly Mean <input type="radio"/> Daily <input type="radio"/> Monthly-hourly
Spatial Resolution	<input type="radio"/> Selected regions Please specify search area: Top 90.00 Left -180.00 180.00 Right -90.00 Bottom <input checked="" type="radio"/> Regional (1° latitude by 1° longitude global grid) <input type="radio"/> Zonal mean <input type="radio"/> Global mean
Satellite	<input checked="" type="radio"/> Terra (3/2000 - 10/2005) <input type="radio"/> Aqua (7/2002 to 10/2005)
Time Range	From: 3 - 2000 (MM-YYYY) To 10 - 2005 (MM-YYYY)

After parameters are selected than pick temporal resolution

User can select a 1°x1° region to compare with surface data or regional, zonal or global means

There will be a filesize indicator, user may have create multiple files

The subsetter will pick the cross-track months

Time range updated for either Terra or Aqua

Additional Ideas?

15-01773000



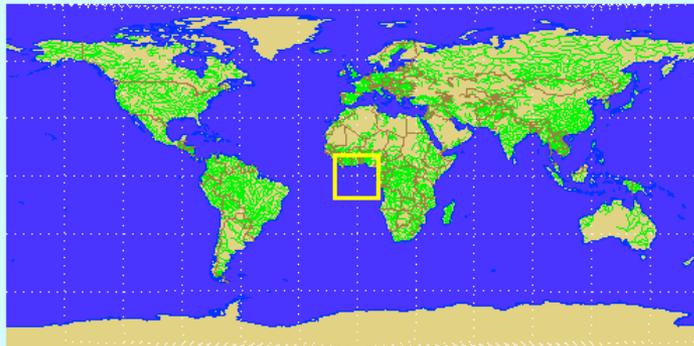
MISR Browse Tool



Region Time Range Path Orbit MISR Home

Step 1

MISR Region Selection Tool



Move rectangle and resize if needed, or enter Lat/Lon coordinates.

North:

10.000

Lat:

0.000

West:

-10.000

East:

10.000

Lon:

0.000

Width:

20.000

South:

-10.000

Height:

20.000

Select time range of interest.

Month Day Year Hour Min

Start Time: Mar 03 2000 00 00 UTC

End Time: Sep 08 2009 00 00 UTC

Get orbit info

GIOVANNI – Another NASA Ordering Tool (could we implement the visualization capabilities?)

NASA National Aeronautics and Space Administration

Search DISC + GO
+ Advanced Search

Giovanni - The Bridge Between Data and Science

+ ABOUT GIOVANNI + NEWS + INSTANCES + FEEDBACK + RELEASE NOTES + HELP

MODIS Terra and Aqua Monthly Level-3 Data

Atmosphere Monthly Global 1X1 Degree Products

Home Results #1 Remove All

Visualization Results Download Data Product Lineage Acknowledgment Policy

MYD08_M3.005 Cloud Optical Depth - Ice (QA-w) [unitless]
(Jul2004)

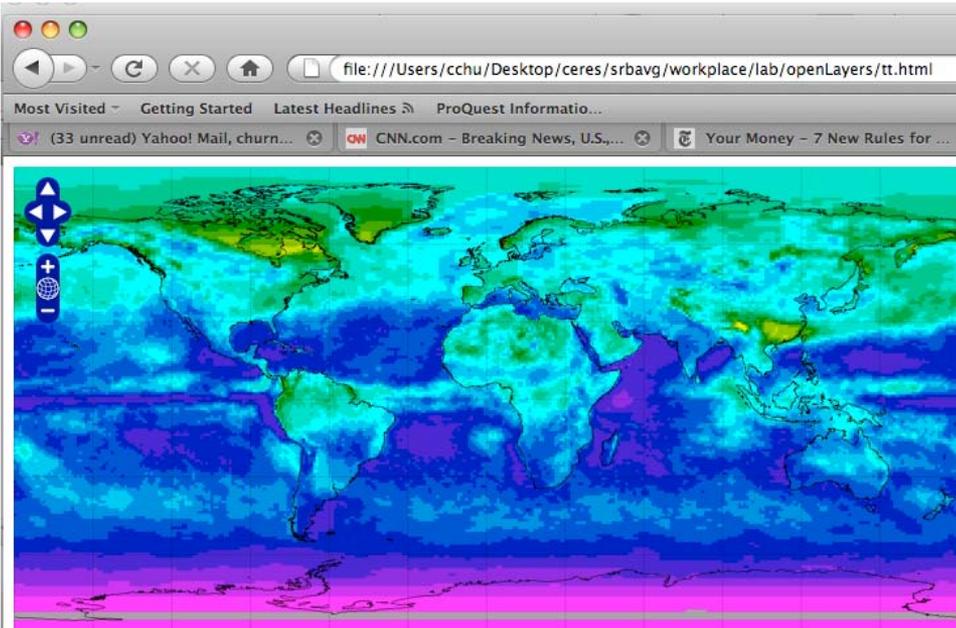
90N
60N
30N
EQ
30S
60S
90S

180 120W 60W 0 60E 120E 180

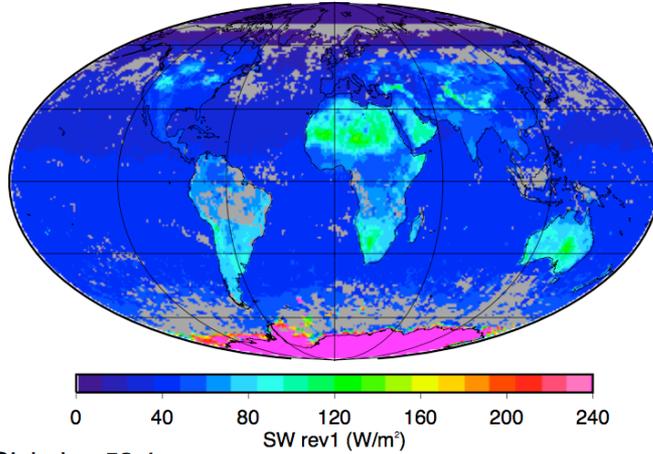
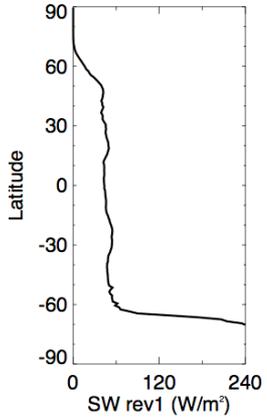
0 5 10 15 20 25 30 35 40 45 50

Edit Plot Preferences Refine Constraints*

* Applies to the whole results set (all plots)

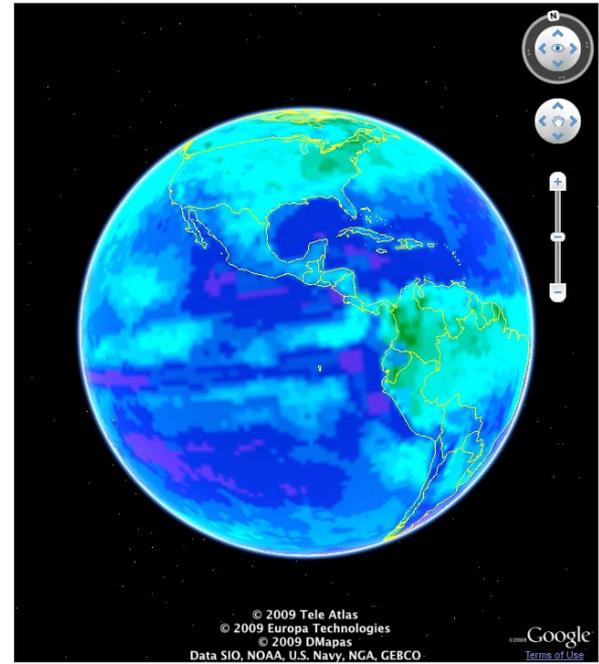
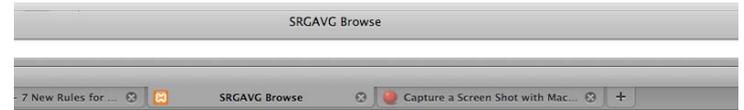


CERES SRBAVG Ed2D nonGEO Clear-sky TOA Shortwave Rev1 Flux
Terra-FM1 January 2004



Global	53.4
60N-60S	45.8
30N-30S	47.1

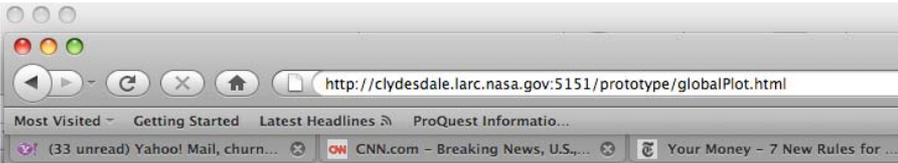
Filename: CER_SRBAVG1_Terra-FM1-MODIS_Edition2D_016028.200401



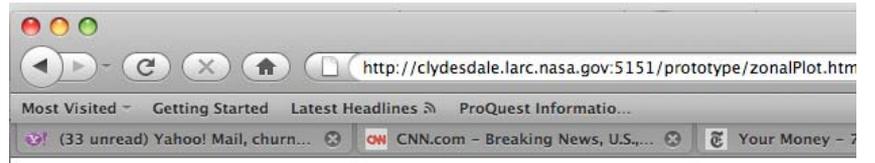
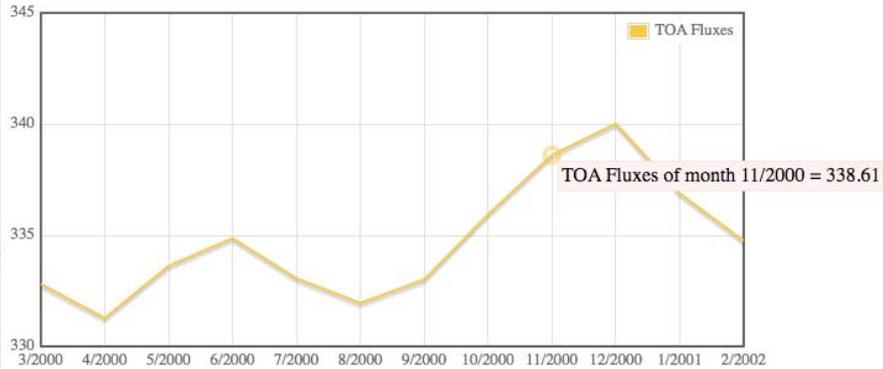
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Google
Terms of Use

TOA SW+LW flux (W/m²)

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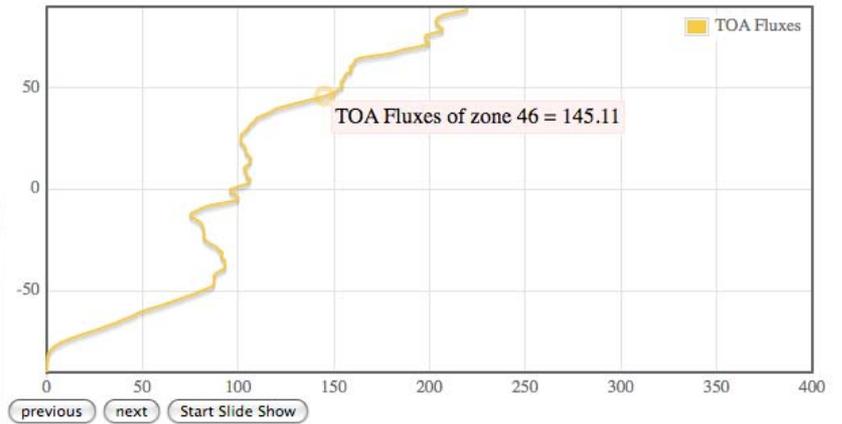


Global



Zonal

3/2000



Subsetted netCDF file attributes

- Will have the same parameter attributes as the HDF file
- Will have index information for multi-dimensional parameters
- Will contain links to the DPC, DQS, read software, Parameter Definitions Document (PDD) and other helpful CERES web pages
 - Permanent ID web addresses
- Will have a field for attribution for publication reference
- Will have a list of HDF files used to resolve user questions
 - Product name, satellite info, strategy, Ed, months, etc

For CERES level 1 products, orbit locator using metadata

Quicklook Images

Important Info. for First Time Users | [Example Image](#) | [FAQ](#)

[Dump / diagnostic quicklooks](#)
(Ops Team access only)

[earlier-->](#)

Granule	Start Date (UTC)	Granule	Start Date (UTC)	Granule	Start Date (UTC)	Granule	Start Date (UTC)
18015 FL	09/16/2009 10:17	17990	09/14/2009 17:05	17965	09/12/2009 23:53	17940	09/11/2009 06:41
18014 FL	09/16/2009 08:38	17989	09/14/2009 15:26	17964	09/12/2009 22:14	17939	09/11/2009 05:02
18013 FL	09/16/2009 06:59	17988	09/14/2009 13:47	17963	09/12/2009 20:35	17938	09/11/2009 03:23
18012 FL	09/16/2009 05:20	17987	09/14/2009 12:08	17962	09/12/2009 18:56	17937	09/11/2009 01:44
18011 FL	09/16/2009 03:42	17986	09/14/2009 10:29	17961	09/12/2009 17:17	17936	09/11/2009 00:05
18010 FL	09/16/2009 02:03	17985	09/14/2009 08:51	17960	09/12/2009 15:38	17935	09/10/2009 23:26
18009 FL	09/16/2009 00:24	17984	09/14/2009 07:12	17959	09/12/2009 14:00	17934	09/10/2009 20:47
18008 FL	09/15/2009 22:45	17983	09/14/2009 05:33	17958	09/12/2009 12:21	17933	09/10/2009 19:09
18007	09/15/2009 21:06	17982	09/14/2009 03:54	17957	09/12/2009 10:42	17932	09/10/2009 17:30
18006	09/15/2009 19:27	17931	09/14/2009 02:15	17956	09/12/2009 09:03	17931	09/10/2009 15:51
18005	09/15/2009 17:48	17980	09/14/2009 00:36	17955	09/12/2009 07:24	17930	09/10/2009 14:12
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