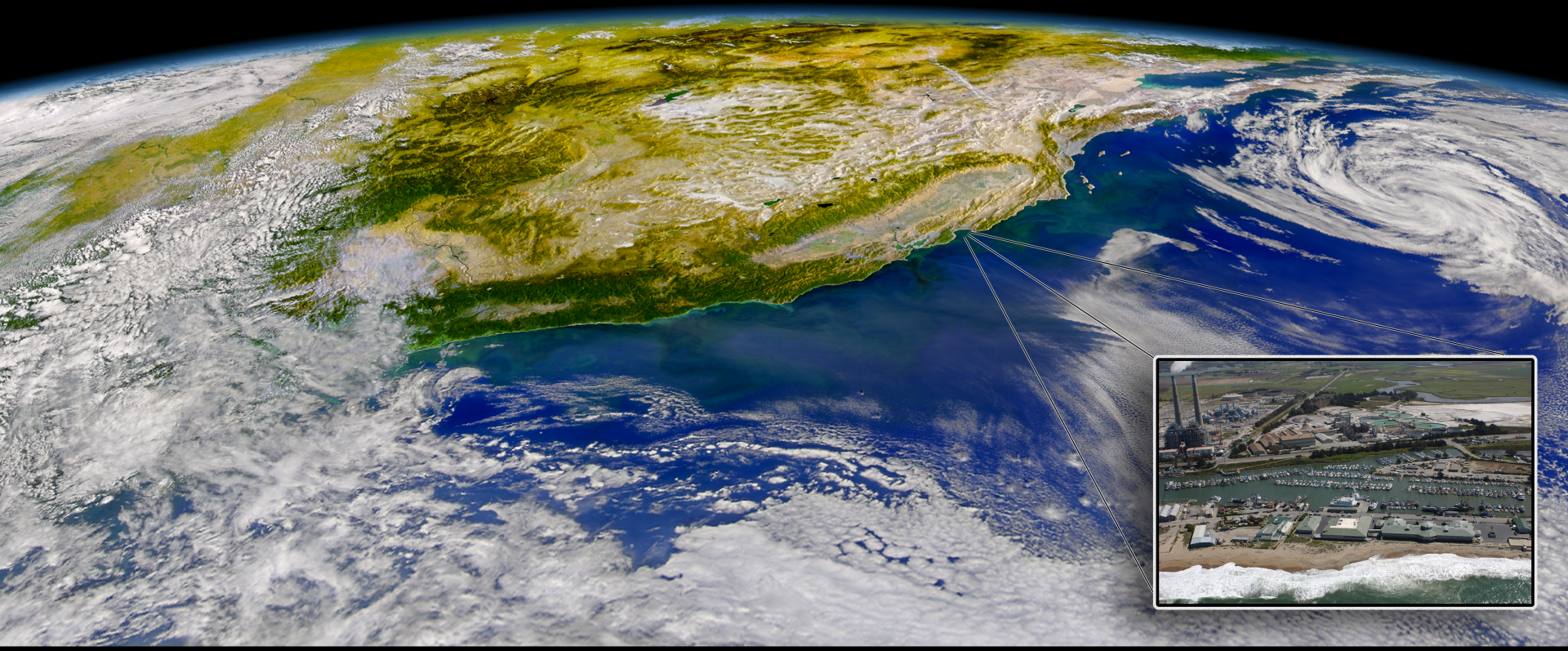
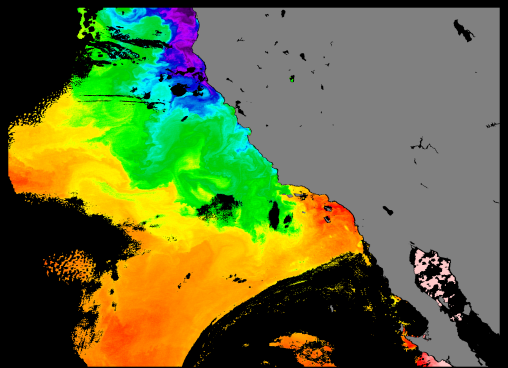
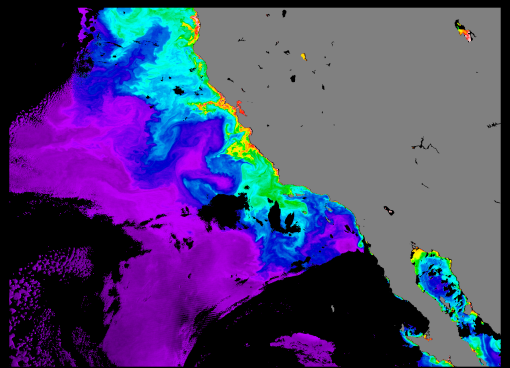
NASA Satellite Data for Marine Resource Management

Moss Landing 2006

Norman Kuring – NASA / GSFC

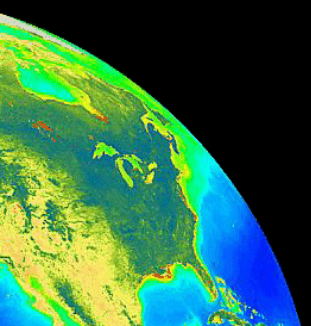






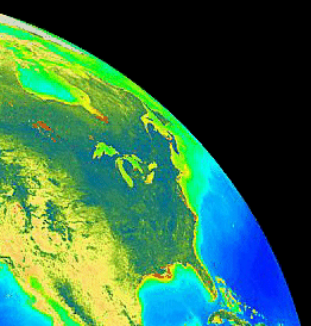
Overview

- What is the NASA Ocean Biology Processing Group (OBPG)?
- What do we offer – Data Products
- How do you get the products?
- How to work with the data



Ocean Biology Processing Group (OBPG)

- Originated as SeaWiFS Project
  - CZCS processing
- February 2004 assumed responsibility for Aqua MODIS ocean color products
- March 2006 assumed responsibility for Aqua MODIS SST products.



Current Capabilities

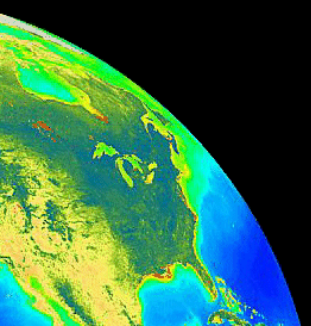
Fully automated, distributed data system for acquiring, processing, analyzing, archiving, and distributing scientific data

Current system supporting SeaWiFS, MODIS, OCTS, and CZCS.

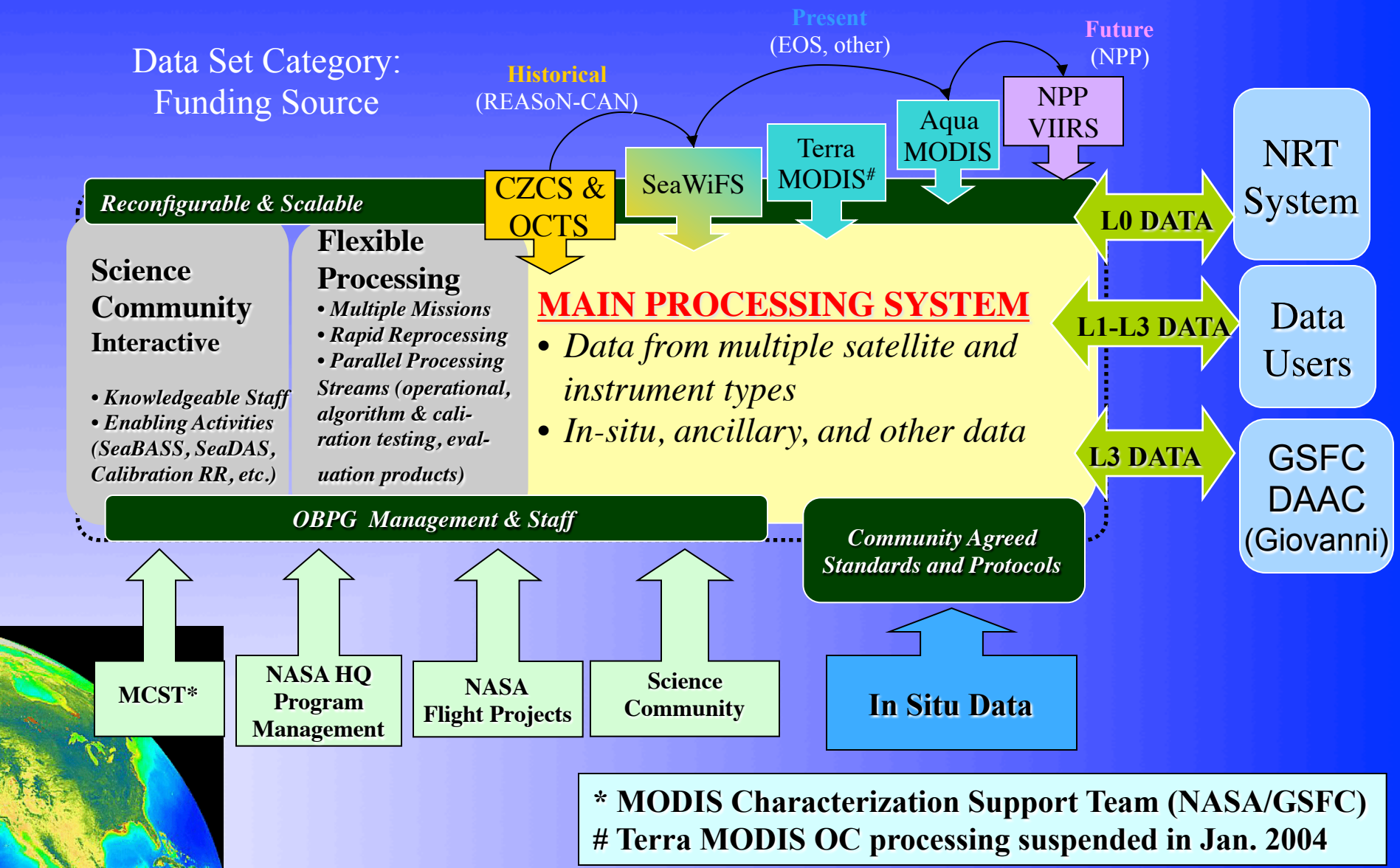
(Future missions NPP and Aquarius)

Approximately 40 distributed multiprocessor Linux PC's with 100 terabytes of online storage shared by all project components including web/ftp-based data distribution system.

processing rate for SeaWiFS global data currently at 4000x and MODIS/Aqua 200x

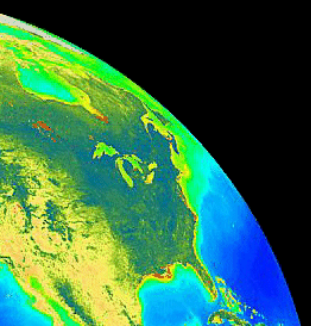


Ocean Biology Processing System



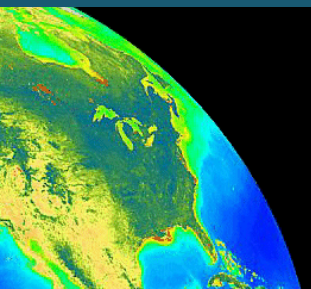
* MODIS Characterization Support Team (NASA/GSFC)
\# Terra MODIS OC processing suspended in Jan. 2004

Data Products



MODIS Standard Products

Geophysical Parameter Name	Description	Units	Level 2	Level 3
nLw_412	Normalized water-leaving radiance at 412 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
nLw 443	Normalized water-leaving radiance at 443 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
nLw_488	Normalized water-leaving radiance at 488 nm	mW·cm-2·µm-1·sr-1	Image and specifics	Data details
nLw_531	Normalized water-leaving radiance at 531 nm	mW·cm-2·µm-1·sr-1	Image and specifics	Data details
nLw_551	Normalized water-leaving radiance at 551 nm	mW·cm-2·µm-1·sr-1	Image and specifics	Data details
nLw_667	Normalized water-leaving radiance at 667 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
Tau_869	Aerosol optical thickness at 869 nm	dimensionless	Image and product specifics	Data details
Eps_78	Epsilon of aerosol correction at 748 and 869 nm	dimensionless	Image and product specifics	Data details
Chlor_a	OC3 Chlorophyll a concentration	mg·m-3	Image and product specifics	Data details
K490	Diffuse attenuation coefficient at 490nm	m-1	Image and product specifics	Data details
Angstrom_531	Angstrom coefficient, 531-869 nm	dimensionless	Image and product specifics	Data details
SST	Sea Surface Temperature - 11micron	degrees Celsius	Image and product specifics	Data details
SST4	Sea Surface Temperature - 4micron (nighttime only)	degrees Celsius	See above	Data details

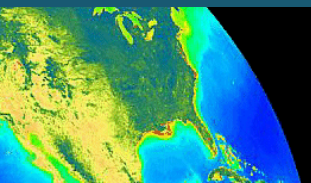


SeaWiFS Standard Products

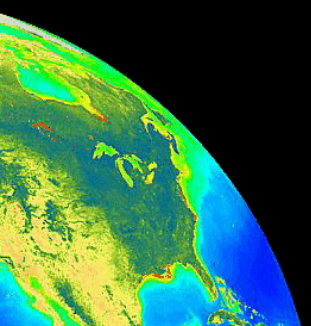
Geophysical Parameter Name	Description	Units	Level 2	Level 3
nLw_412	Normalized water-leaving radiance at 412 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
nLw 443	Normalized water-leaving radiance at 443 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
nLw_490	Normalized water-leaving radiance at 490 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
nLw_510	Normalized water-leaving radiance at 510 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
nLw_555	Normalized water-leaving radiance at 555 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
nLw_670	Normalized water-leaving radiance at 670 nm	mW·cm-2·µm-1·sr-1	Image and product specifics	Data details
Tau_865	Aerosol optical thickness at 865 nm	dimensionless	Image and product specifics	Data details
Eps_78	Epsilon of aerosol correction at 765 and 865 nm	dimensionless	Image and product specifics	Data details
Chlor_a	OC4 Chlorophyll a concentration	mg·m-3	Image and product specifics	Data details
K490	Diffuse attenuation coefficient at 490nm	m-1	Image and product specifics	Data details
Angstrom_510	Angstrom coefficient, 510-865 nm	dimensionless	Image and product specifics	Data details

Other Products

Geophysical Parameter Name	Description	Units	Details
SeaWiFS Level 3 PAR	Photosynthetically Active Radiation from the sun 400-700 nm	Einstein/m2/day	Product specifics
SeaWiFS NDVI	Normalized Difference Vegetation Index		Browse L3 Imagery
SeaWiFS Land Reflectance	Land Reflectance		Browse L3 Imagery
SeaWiFS Biosphere	Biosphere product		Browse L3 Imagery

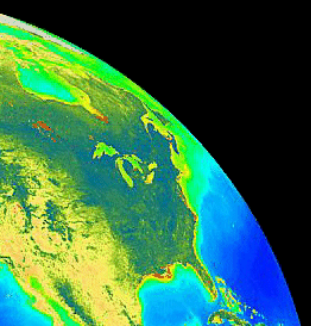


How to get the data



Data Access and Community Support

- Research campaign support
  global ocean color and sst data available for distribution within 3-4 hours of acquisition by the spacecraft.
- Web/FTP-based data access and distribution
  web/ftp-based browse and order tool that allows everything from a single file to the entire multi-mission data set to be downloaded.



Ocean Color Web

Consolidated data access, information and services

http://oceancolor.gsfc.nasa.gov/

Data Access

Level 1 and 2 Browser
Visually search the ocean color data archive and directly download and/or order data from single files to the entire mission. Extensive online HELP and tutorials available.

Level 3 Browser
Browse the entire Level 3 global ocean color data set for many parameters and time periods and download either JPEG images or digital data in HDF format. View time series plots of selected SeaWiFS parameters for selected regions of the globe.

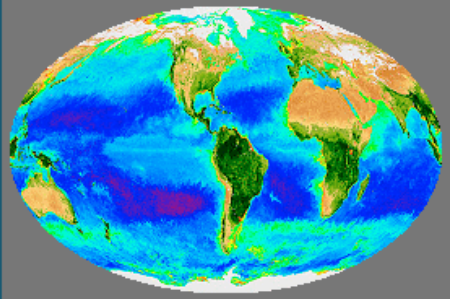
Data Subscriptions
Request a subscription for Aqua data to be staged on an FTP site. You can check the status of an existing subscription.

Data by FTP
The Project maintains several FTP sites containing the most popular data products including the complete Level 3 data archive.

GES DAAC
The GES DAAC is the official archive for MODIS SST data (Terra and Aqua). They also distribute OCTS and CZCS ocean color data sets.

Ocean Color Web Feature

Recent topics and imagery of interest to the OceanColor community.



An updated animation of the SeaWIFS biosphere data set encompassing eight years worth of ocean color (chlorophyll concentration) and land vegetation (normalized difference vegetation index) observations from September 1997 through July 2005 is now available. Click on the above reduced subset of that animation to learn more.

Image Gallery
NOTE: All SeaWiFS images presented here are for research and educational use only. All commercial use of SeaWiFS data must be coordinated with ORBIMAGE
Ocean Color Distribution Statistics

Support Services

SeaDAS
A comprehensive image analysis package for the processing, display, analysis, and quality control of ocean color data.

SeaBASS
An archive of in situ data, both oceanographic and atmospheric, used for algorithm development and satellite validation.

Register for Support Services
Register for support services, including:

- SeaWiFS data access authorization
- Access to Near Real Time image support
- Ocean Color Forum
- Ocean Color Mailing List

Support Services

- Overflight predictions
- Near real-time imagery and data for cruise support

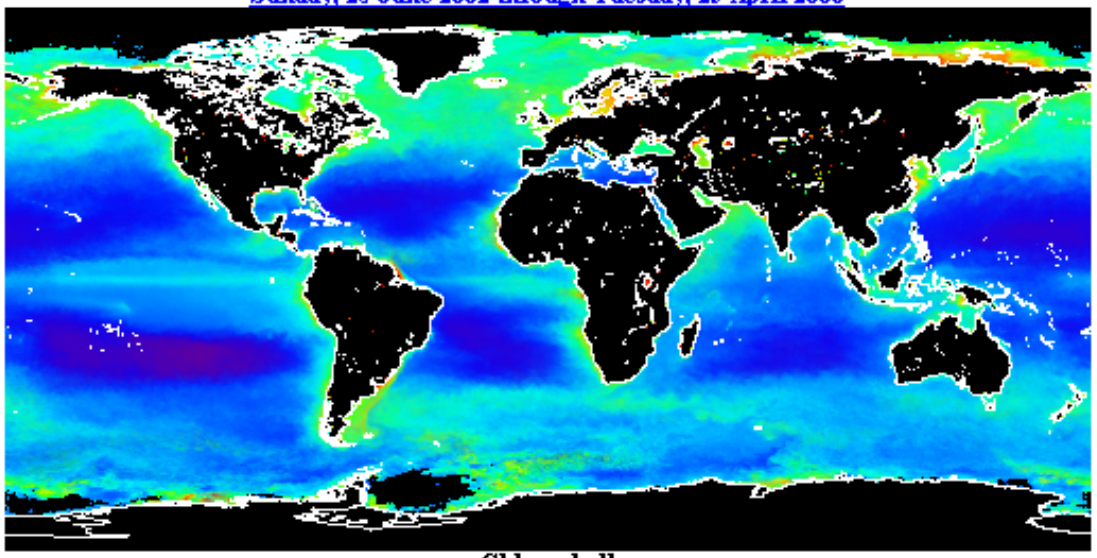
Data Processing
The ODPS site contains information related to the ocean color data production system.

Employment Opportunities
(IOCCG listings)

TC | CHL | SST | SST4 | SeaWiFS User Login | Comment | Help

SeaWiFS: GAC ☐ LAC ☐ MLAC ☐ | OCTS (ADEOS) ☐ MODIS (Aqua) ☑ CZCS (Nimbus-7) ☐ | Day ☑ Night ☐

Sunday, 23 June 2002 through Tuesday, 25 April 2006



Chlorophyll

Select one or more regions:

AdriaticSea
AegeanSea
Antarctica
ArabianSea
AralSea
Australia
Azores
Bahamas
BalticSea

or specify boundary coordinates or a single location:

N: ____

W: ____ ____ :E

S: ____

or check this ☐ box to select all of this time period's scenes for the entire globe.

Find swaths

Radius (*km*) about map click or about typed-in location:

○ 72 ○ 400 ○ 800 ○ 1200 ○ 1500

Select swaths containing *(at least)*:

○ any part ○ 25 % ○ 50 % ○ 75 % ○ all

of the area of interest.

Display results 10 at a time.

Reconfigure page

Mission	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2002	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2004	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2005	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2006	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

February 2006

S	M	T	W	T	F	S
			1 ~	2 ooo	3 ooo	4 ooo
5 ooo	6 ooo	7 ooo	8 ooo	9 ooo	10 ***	11 ***
12 ***	13 ***	14 ***	15 ***	16 ***	17 ***	18 xxx
19 xxx	20 xxx	21 xxx	22 xxx	23 xxx	24 xxx	25 xxx
26 ~	27 ~	28 ~				

March 2006

S	M	T	W	T	F	S
			1 ~	2 ~	3 ~	4 ~
5 ~	6 ooo	7 ooo	8 ooo	9 ooo	10 ooo	11 ooo
12 ooo	13 ooo	14 ***	15 ***	16 ***	17 ***	18 ***
19 ***	20 ***	21 ***	22 xxx	23 xxx	24 xxx	25 xxx
26 xxx	27 xxx	28 xxx	29 xxx	30 ~	31 ~	

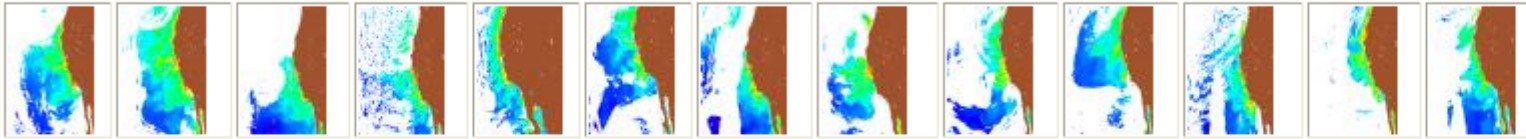
April 2006

S	M	T	W	T	F	S
						1 ~
2 ~	3 ~	4 ~	5 ~	6 ~	7 ooo	8 ooo
9 ooo	10 ooo	11 ooo	12 ooo	13 ooo	14 ooo	15 ***
16 ***	17 ***	18 ***	19 ***	20 ***	21 ***	22 ***
23 xxx	24 xxx	25 xxx	26 xxx	27 xxx	28 xxx	29 xxx
30 xxx						

http://oceancolor.gsfc.nasa.gov/cgi/browse.pl

TC CHL SST SST4 SeaWiFS User Login

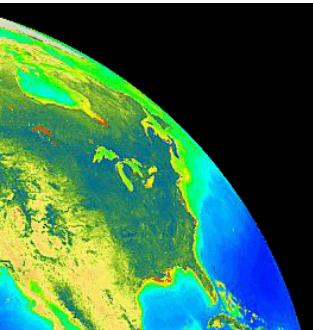
Display 17 at a time. ORDER DATA Comment Help

A2006039212500.L2_LAC_CHLOR_A			A2005248210000.L2_LAC_CHLOR_A			A2003287212500.L2_LAC_CHLOR_A				A2002245212000.L2_LAC_CHLOR_A		
		A2005340212500.L2_LAC_CHLOR_A			A2004123212000.L2_LAC_CHLOR_A				A2003223212500.L2_LAC_CHLOR_A			
8Feb2006	23Jan2006	6Dec2005	3Oct2005	5Sep2005	7Sep2004	2May2004	15Mar2004	14Oct2003	12Sep2003	11Aug2003	24Jun2003	2Sep2002
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
												
	A2006023212500.L2_LAC_CHLOR_A			A2004251212000.L2_LAC_CHLOR_A					A2003255212500.L2_LAC_CHLOR_A			
			A2005276212500.L2_LAC_CHLOR_A			A2004075212000.L2_LAC_CHLOR_A				A2003175212500.L2_LAC_CHLOR_A		

Search Criteria
Time Period: Entire mission (daytime)
Sensors: MODIS(Aqua)
Area of Interest: Within 800 km of 36.8N,121.8W

Percentage of AOI that swaths must include: 100

Number of swaths: 1st through 13th of 13 swaths interactively selected from 136 swaths



http://oceancolor.gsfc.nasa.gov/cgi/browse.pl

TC CHL SST SST4 SeaWiFS User Login Comment Help

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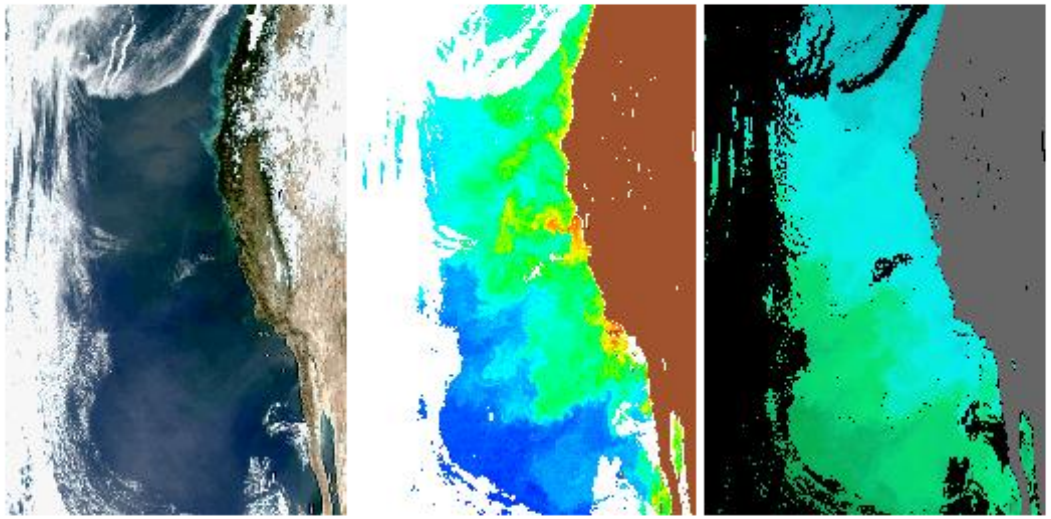
A2006023212500.L2_LAC	23,146,958 bytes
A2006023212500.L2_LAC_SST	4,803,101 bytes

(The above hyperlinks point to bzip2-compressed HDF files.
Documentation on these products can be found HERE.)

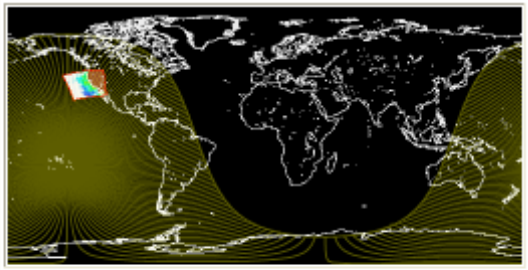
Deselect this scene

Quasi True Color	Chlorophyll	Sea Surface Temperature (11 µ)



Monday, 23 January 2006

2006023



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Time Period: Entire mission (daytime)
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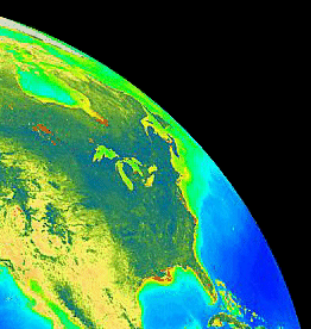


http://oceancolor.gsfc.nasa.gov/cgi/browse.pl

SeaWiFS User Login | Comment | Help

Enter your email address.

In order to reduce the volume of data that you have to deal with, we can extract the geographical area indicated at right from the swaths you ordered before we place the data in our download area. (*This extraction currently only applies to SeaWiFS files and MODIS level-2 files.*)

Please choose one of the following options.

Do ○ **Do not** ○ extract my order for me.

You may adjust the extraction region by altering the coordinates at right.

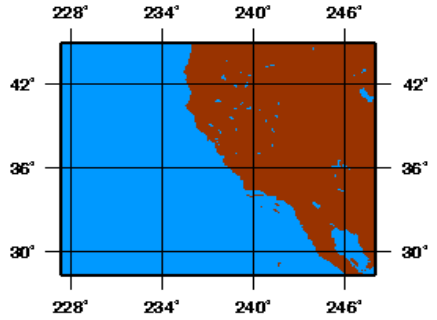
The default coordinates are the ones which circumscribe the area or areas of interest that you used to do your search. If you started your search by just clicking on the world map without specifying a larger search radius, then you may want to increase the size of your extract region since the default search radius is 36 kilometers.

All four coordinates are expected to be in decimal degrees. Degrees north of the equator and east of the Greenwich meridian should be positive, and degrees south of the equator and west of the Greenwich meridian should be negative.

SeaWiFS extracts are processible with SeaDAS.

North 44.95

West -132.67



East -111.96

South 28.30

Pick which data products you want for your selected scenes.

☐ Level 1

If you plan to process Level-1 files using SeaDAS, then you will also need the following.

- ☐ Meteorology & Ozone
- ☐ Attitude & Ephemeris *(MODIS only)*

☐ Level 2

You may select to receive only the following checked level-2 standard-suite products if you wish. If you select none of these and simply check "Level 2" above, then you will receive all of the available level-2 products for a given sensor.

- ☐ chlorophyll a
- ☐ K490
- ☐ normalized, water-leaving radiances
- ☐ aerosol products

☐ Level 2 SST (11 μ) (MODIS only)

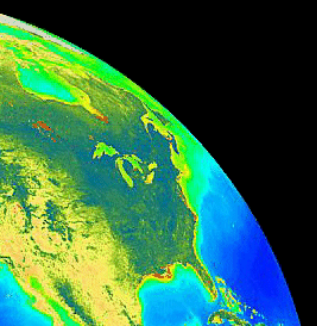
☐ Level 2 SST (4 μ) (MODIS nighttime only)

☑ Remind me when my order is about to expire.

☑ Require my email confirmation for early file deletion.

☑ Notify me when my data have been deleted from the staging area.

Review order



http://oceancolor.gsfc.nasa.gov/cgi/browse.pl

Status for Order Id : 3030e01063514742 at Mon May 1 10:44:06 2006

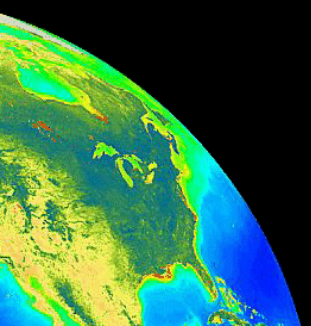
Order Id	3030e01063514742
Email Address	norman@seawifs.gsfc.nasa.gov
Base File Count	38
Base Files Staged Thus Far	4
Base Files Currently Staged	4
Base Files To Be Staged	34
Percent Staged	10.53%
Files Deleted	0
Status	Being Staged

1	A2006091210000.L1A_LAC	CURRENTLY STAGED
2	A2006092200500.L1A_LAC	CURRENTLY STAGED
3	A2006092214500.L1A_LAC	CURRENTLY STAGED
4	A2006093205000.L1A_LAC	CURRENTLY STAGED
5	A2006094213000.L1A_LAC	BEING STAGED
6	A2006095203500.L1A_LAC	PENDING
7	A2006096212000.L1A_LAC	PENDING
8	A2006097202500.L1A_LAC	PENDING
9	A2006098210500.L1A_LAC	PENDING
10	A2006098211000.L1A_LAC	PENDING
11	A2006099201000.L1A_LAC	PENDING

Location	Your Files Are Located Here
Attempts	1
Received	May 1 2006 10:43AM
Confirmed	May 1 2006 10:43AM
Staged	
Notified	
Expires	
Expire Requested	
North	°
South	°
West	°
East	°

Enabled Options

Stage Level 1	✓
Stage Level 2	
Stage Metozone	
Stage Atteph	
Send Reminder	
Confirm Delete	
Stage Extract	
Extract Must Fit	
Send deleted mail	
Chlorophyll	
Sea Surface Temperature (deprecated)	
Sea Surface Temperature Standard Product	
Sea Surface Temperature 4 Micron	
K490	
radiances	
Aerosol	



Status for Order Id : 3030e01063514742 at Mon May 1 10:48:42 2006

Order Id	3030e01063514742
Email Address	norman@seawifs.gsfc.nasa.gov
Base File Count	38
Base Files Staged Thus Far	38
Base Files Currently Staged	38
Base Files To Be Staged	0
Percent Staged	100.00%
Files Deleted	0
Status	Staged & Notified

1	A2006091210000.L1A_LAC	CURRENTLY STAGED
2	A2006092200500.L1A_LAC	CURRENTLY STAGED
3	A2006092214500.L1A_LAC	CURRENTLY STAGED
4	A2006093205000.L1A_LAC	CURRENTLY STAGED
5	A2006094213000.L1A_LAC	CURRENTLY STAGED
6	A2006095203500.L1A_LAC	CURRENTLY STAGED
7	A2006096212000.L1A_LAC	CURRENTLY STAGED
8	A2006097202500.L1A_LAC	CURRENTLY STAGED
9	A2006098210500.L1A_LAC	CURRENTLY STAGED
10	A2006098211000.L1A_LAC	CURRENTLY STAGED
11	A2006099201000.L1A_LAC	CURRENTLY STAGED

Location	Your Files Are Located Here

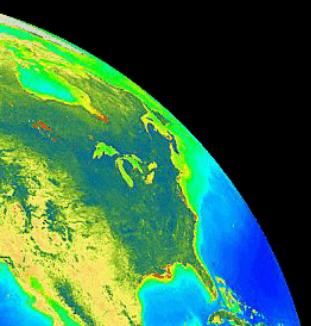
I AM DONE WITH THESE FILES, DELETE THEM

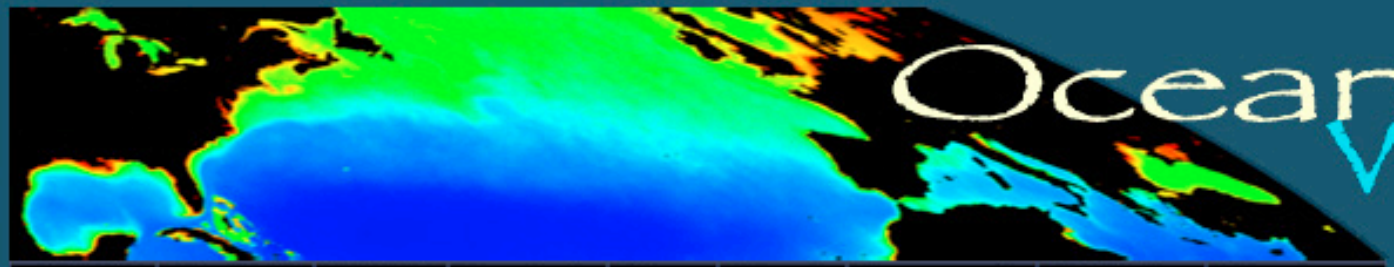
Extend Expiration Date On This Order

Attempts	1
Received	May 1 2006 10:43AM
Confirmed	May 1 2006 10:43AM
Staged	May 1 2006 10:48AM
Notified	May 1 2006 10:48AM
Expires	May 4 2006 10:48AM
Expire Requested	
North	°
South	°
West	°
East	°

Enabled Options

Stage Level 1	✓
Stage Level 2	
Stage Metozone	
Stage Atteph	
Send Reminder	
Confirm Delete	
Stage Extract	
Extract Must Fit	
Send deleted mail	
Chlorophyll	
Sea Surface Temperature (deprecated)	
Sea Surface Temperature Standard Product	
Sea Surface Temperature 4 Micron	
K490	





MODIS | SeaWiFS | IOCCG | Products | News | People | Documents | Validation | Questions

Data Subscription Request

Email address:

Renew Expired Subscription

North	South	West	East

Start Date	05	Jan	2005
End Date	None	None	None

☐ Level 1 ☑ Level 2 ☐ Ancillary Data ☐ Attitude/Ephemeris

☐ Wait for Refined Processing

◉ Daytime Granules ○ Nighttime/Mixed Granules

Submit New Request | Help | Clear

Curator: OceanColor Webmaster
Authorized by: gene carl feldman
Updated: 23 November 2004

Security, Privacy, and Accessibility Policy

NASA

http://oceancolor.gsfc.nasa.gov/cgi/ocdatasubscription.cgi

Level-3 Standard Mapped Images

Help

View the color scales. | Browse the rolling 32-day composites. | Browse the "filled-in" version of the rolling 32-day biosphere composites. | Browse the seasonal, monthly, and 8-day climatologies.

Aqua-MODIS	Chlorophyll	Diffuse attenuation	nLw at 551 nm	Aerosol optical thickness	Angstrom coefficient	SST [11 μ day]	SST [11 μ night]	SST [4 μ night]
SeaWiFS	Chlorophyll	Diffuse attenuation	nLw at 555 nm	Aerosol optical thickness	Angstrom coefficient			
	Biosphere	PAR	NDVI	Land Reflectance				
Evaluation Products	Merged Chlorophyll	Fluorescence Line Height						

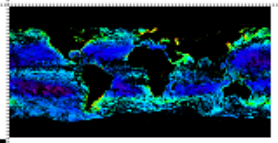
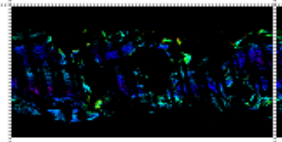
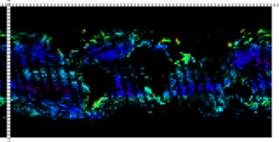
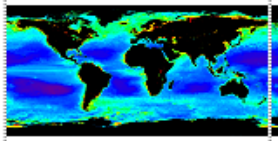
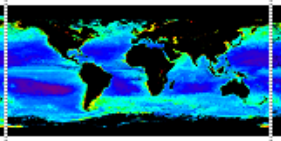
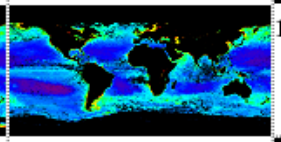
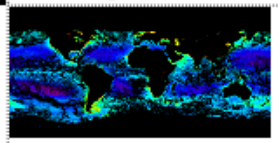
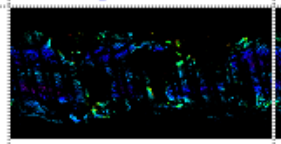
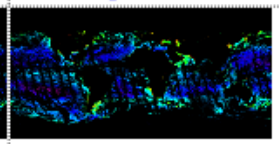
						Jul 2002	Aug 2002	Sep 2002	Oct 2002	Nov 2002	Dec 2002
Jan 2003	Feb 2003	Mar 2003	Apr 2003	May 2003	Jun 2003	Jul 2003	Aug 2003	Sep 2003	Oct 2003	Nov 2003	Dec 2003
Jan 2004	Feb 2004	Mar 2004	Apr 2004	May 2004	Jun 2004	Jul 2004	Aug 2004	Sep 2004	Oct 2004	Nov 2004	Dec 2004
Jan 2005	Feb 2005	Mar 2005	Apr 2005	May 2005	Jun 2005	Jul 2005	Aug 2005	Sep 2005	Oct 2005	Nov 2005	Dec 2005
Jan 2006	Feb 2006	Mar 2006	Apr 2006	May 2006							

Previous

Chlorophyll (Aqua-MODIS)

2 rows in the rightmost column

Next

Yearly	Seasonal	Monthly	Weekly	Daily	3-Day
					
			16Oct2005 to 23Oct2005	23-Oct-2005	21Oct2005 to 23Oct2005
			9km png HDF	9km png HDF	9km png HDF
			4km png HDF	4km png HDF	4km png HDF
2005	Autumn-2005	Oct-2005			
9km png HDF	9km png HDF	9km png HDF	24Oct2005 to 31Oct2005	24-Oct-2005	22Oct2005 to 24Oct2005
4km png HDF	4km png HDF	4km png HDF	9km png HDF	9km png HDF	9km png HDF
			4km png HDF	4km png HDF	4km png HDF

http://oceancolor.gsfc.nasa.gov/cgi/level3.pl

http://oceancolor.gsfc.nasa.gov/ftp.html

FTP Page for Ocean Color Products

The tables below provide direct ftp access to data products organized by satellite

(Level 1, Level 2 and Geolocation files are only for the most recent 15 days)

A complete description of the FTP site structure can be found in the README file at the top level of the site (ftp://oceans.gsfc.nasa.gov)

MODIS Aqua

Binned	Mapped	Level 1, GEO, & Level 2	Level 3 Binned Standard Product Suite	Level 3 Mapped Standard Product Suite	Quicklook - Daytime granules Quicklook - Night/Mixed granules
Binned Daily	Mapped Daily	Refined - Daytime granules Refined - Night/Mixed granules			
Binned Daily / 3Day Quicklook	Mapped Daily / 3Day Quicklook				
Binned 8Day	Mapped 8Day				
Binned Monthly	Mapped Monthly				
Binned Monthly Climatology	Mapped Monthly Climatology				
Binned Seasonal	Mapped Seasonal				
Binned Seasonal Climatology	Mapped Seasonal Climatology				
Binned Annual	Mapped Annual				

SeaWiFS Level 3

Binned	Mapped
Level 3 Binned Standard Product Suite and PAR	Level 3 Mapped Standard Product Suite and PAR
Binned Daily	Mapped Daily
Binned 8 Day	Mapped 8 Day
Binned Monthly	Mapped Monthly
Binned Monthly Climatology	Mapped Monthly Climatology
Binned Seasonal	Mapped Seasonal
Binned Annual	Mapped Annual

Merged Aqua/SeaWiFS

A merged Aqua/SeaWiFS chlorophyll product is available as a 9km resolution SMI. The SMI is stored as 16bit integer vs. the 8bit for the standard SMI files

Ancillary Products

METOZ : NCEP Meteorological (MET) and TOMS/TOAST Ozone (OZ) ancillary data used for L1-L2 processing (updated every 4 hours)

OISST : NOAA Optimum Interpolation (OI) Sea Surface Temperature.These files are used as input for the L1-L2 SST processing

MODISA/ATTEPH: MODIS Aqua definitive attitude and ephemeris data

MODISA/CAL: Updated MODIS Aqua Level 1B LUTs (Look-up tables) and Geolocation files

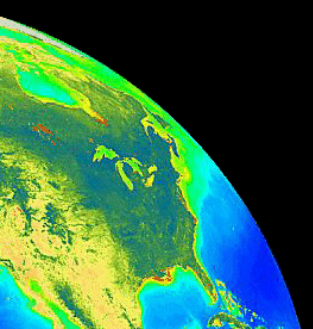
MODIST/CAL: Updated MODIS Terra Level 1B LUTs and Geolocation files

utcpole.dat: Most recent version of the Earth motion file used in Level 1 processing.

leapsec.dat: Most recent version of the Leap seconds file - required for accurate time conversions in Level 1 processing.

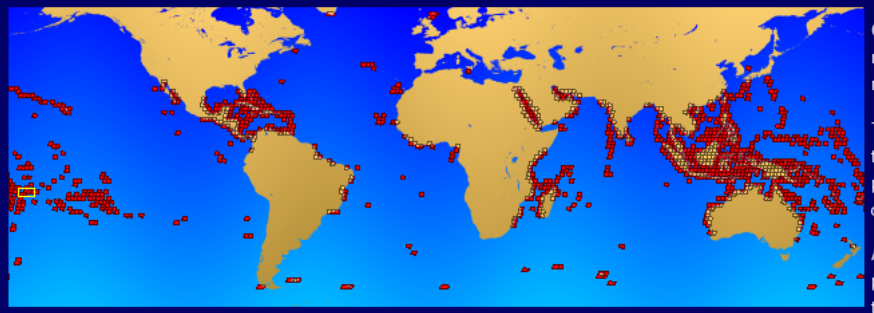
SeaWiFS GPS elements (elements.dat)

Global 1 Kilometer Land Mask (landmask.dat) Documentation



Millenium Coral Reefs Landsat Archive

A product of USF Millenium Global Coral Reef Mapping Project / NASA SeaWiFS / NASA Johnson Space Center Project Overview >>

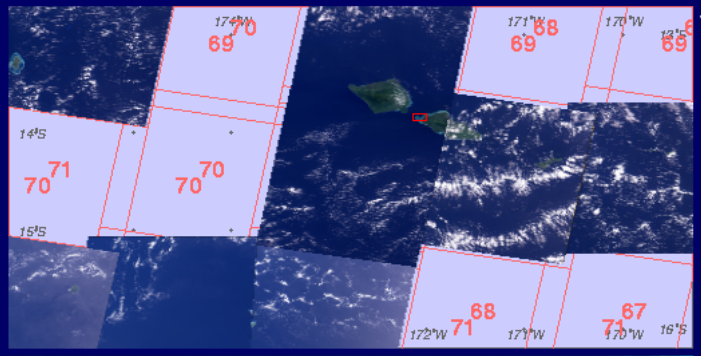


Available Data

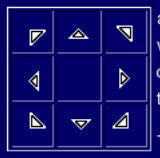
Click on any of the tiles in the map at left to reposition the tile mosaic below.

The open yellow rectangle on the map at left indicates the position of the currently displayed tile mosaic.

A headerless version of this page can save you the use of the vertical scrollbars if you have a large enough display.



Tile Mosaic

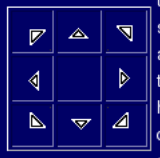


Click anywhere in the tile mosaic at left to reposition the mosaic and to reposition the detailed view below. Alternatively, you can use the arrows to reposition the mosaic.

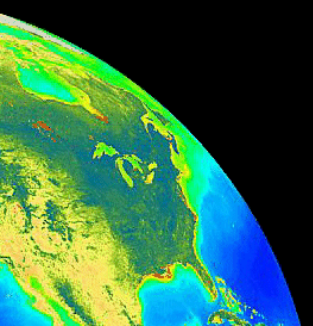
The open red rectangle on the mosaic indicates the position of the detailed view.

Detailed View ***(30-meter resolution)***

Mission: **Landsat 7** Path: **69** Row: **70**
Date: **6 Jul 1999** FTP access
Go to Millenium Coral Reef Map Status for this Path-Row
Quasi-natural color displayed.
Switch to reef-enhanced view.

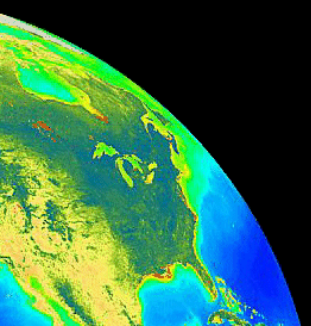


Click anywhere in the image at left to choose a new center, or use the arrows to pan around this scene. If this path/row was acquired more than once, then the date label above becomes a hyperlink that allows you to change to other dates. FTP access to all of the data for this path/row/date combination is also provided.

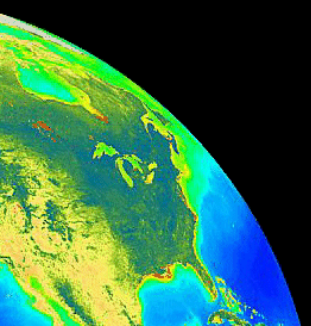


http://oceancolor.gsfc.nasa.gov/cgi/landsat.pl

How to work with the data



http://oceancolor.gsfc.nasa.gov/seadas/



OceanColor SeaDAS

Download Help Documents Contact Links OceanColor News FAQ Forum

SeaDAS Web

Support

SeaDAS Forum
Ocean Color Forum
Ocean Color Web
Ocean Mailing Lists

Download and Installation

We have a new simplified online installation process. Or, you can manually download SeaDAS, and follow the installation instructions.

Satellite Data

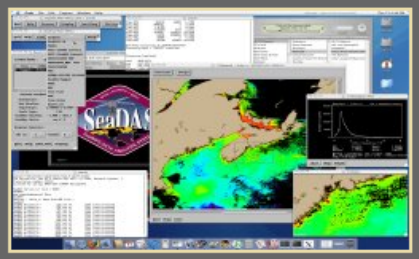
Data Product Specifications
Processing Versions Chart
Level 1 and 2 Browser
Level 3 Browser
Data by FTP

Ancillary Data

MET/OZONE INFO
NOAA OISST INFO
Aqua ATTEPH INFO
Terra ATTEPH INFO
utcpole.dat INFO
leapsec.dat INFO
elements.dat INFO

What is SeaDAS

The SeaWiFS Data Analysis System (SeaDAS) is a comprehensive image analysis package for the processing, display, analysis, and quality control of ocean color data.



Supported satellite sensors are MODIS, SeaWiFS, CZCS, OCTS, MOS, OSMI, and AVHRR.

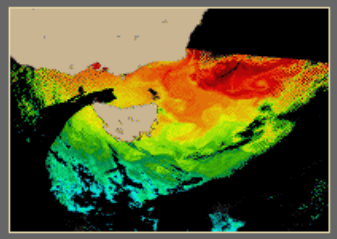
- Features
- Requirements
- Online Help
- Known Problems
- History of Events
- References

SeaDAS 4.8 Distribution Statistics
SeaDAS 4.7 Distribution Statistics
SeaDAS Software Usage Policy
seadas@seadas.gsfc.nasa.gov

What's New

SeaDAS 4.9 released

- CentOS 4.2 & Fedora Core 4 support
- Improved SST processing (msl12 5.4)
- Full SST display support including SST quality levels display
- New processing binaries including l2bin, l3bin, and smigen
- Better mechanism for shared installs

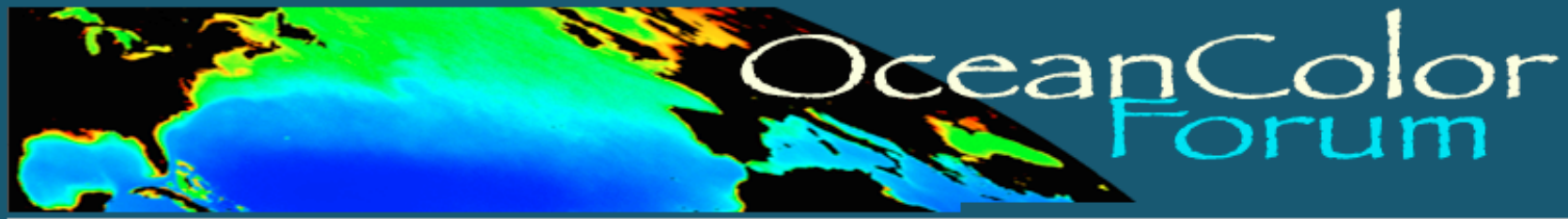


MODIS Aqua Nighttime 4μ SST Product

MODISL1DB 1.2

MODISL1DB is for Direct Broadcast users, containing only the portions of SeaDAS for processing MODIS Aqua and Terra L0 data to L1A and L1B.

We now have 4 SeaDAS mirrors helping us to distribute SeaDAS 4.8. The OBPG would like to thank those who have so kindly donated their resources. **THANK YOU!!!**



Ocean Color Forum - Not logged in

Forum | OceanColor Home | Help | Search | Register | Login

Forum

Feeds | Info

Ocean Color	Posts	Last Post
OceanColor Announcement	42	2005-08-19 09:38
News and topics of general interest		
Algorithms and Products	**Posts**	**Last Post**
Frequently Asked Questions	23	2005-10-25 14:24
Satellite Data Products & Algorithms	561	2005-11-30 16:42
Satellite Data Access	444	2005-11-30 11:05
Field Data	14	2005-09-12 14:27
SeaBASS, in situ data access, and collection protocols		
Mission Events	2	2004-04-23 12:17
Spacecraft-related events		
SeaDAS	**Posts**	**Last Post**
SeaDAS News	16	2005-11-18 11:24
SeaDAS FAQ	13	2005-11-17 10:38
SeaDAS: Known Problems and Fixes	5	2005-11-01 16:25
SeaDAS: General Questions	1203	2005-11-30 20:40
MODIS Direct Broadcast Support	20	2005-11-18 18:50

Curator: OceanColor Webmaster
Authorized by: gene carl feldman
Updated: 20 October 2005

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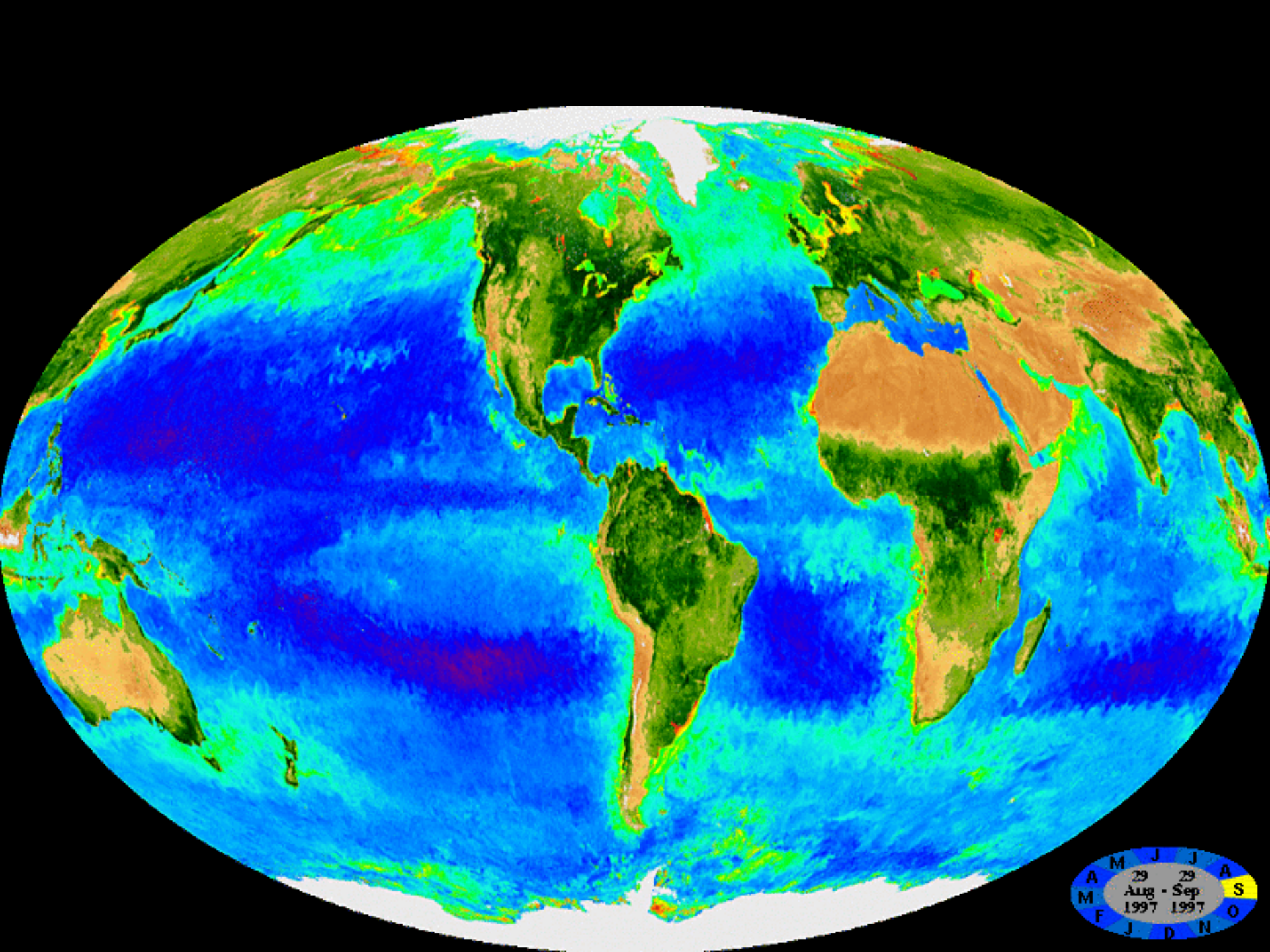
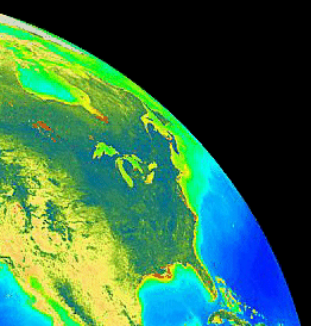

M J J A
A S
M O
F J D N
29 Aug - 29 Sep
1997 1997

Questions?