

# Download Satellite Imagery

- **Location:** Western Florida, USA & Gulf of Mexico

- **Boundary Coordinates:**

29  
-84            81  
25

- **Date:** 20 February 2015

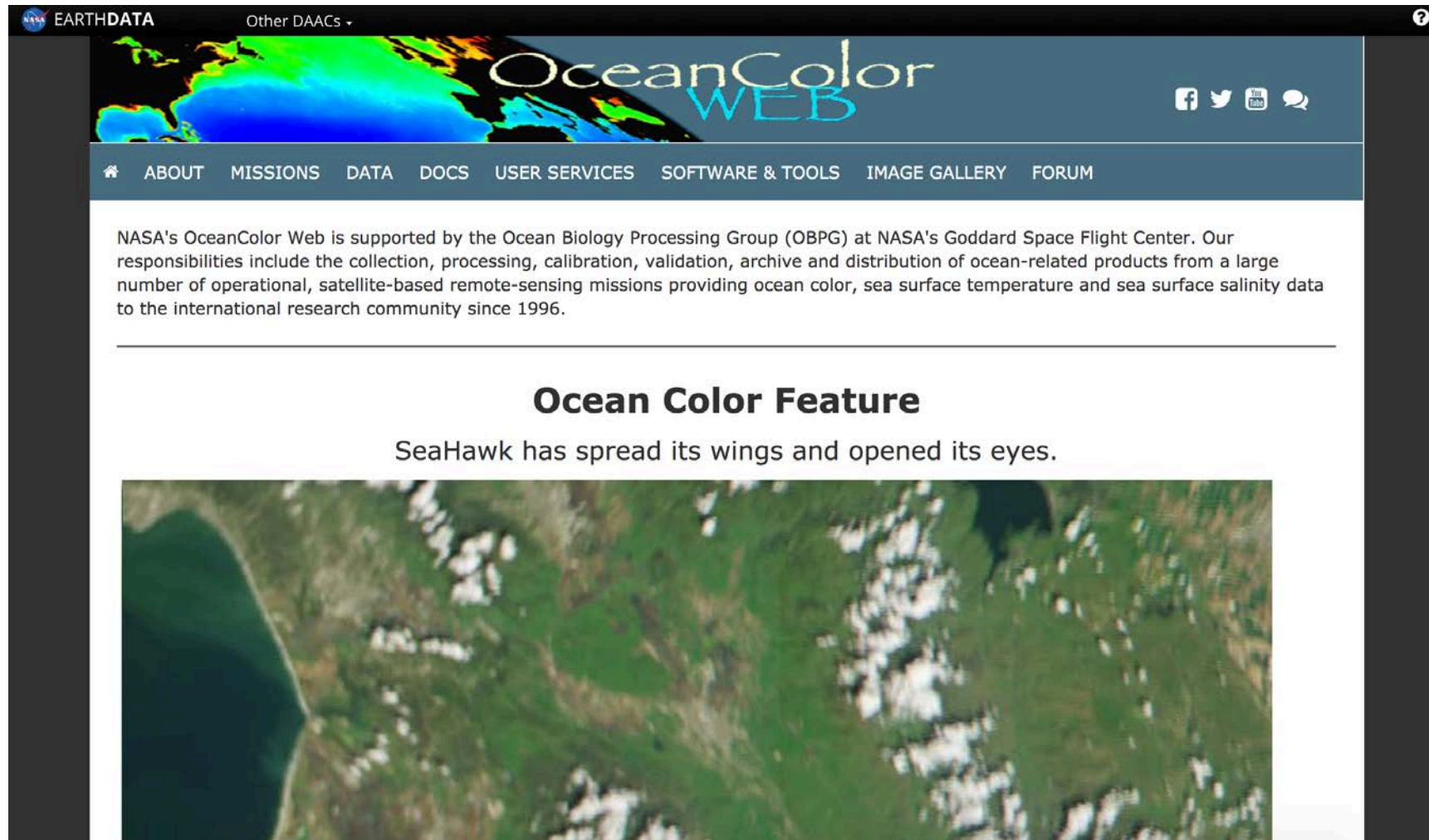
- **Sensors:**

- Aqua (MODIS)
- Landsat 8 OLI



# NASA OceanColor Web

<https://oceancolor.gsfc.nasa.gov/>



**EARTHDATA** Other DAACs ▾

## OceanColor WEB


🏠 ABOUT MISSIONS DATA DOCS USER SERVICES SOFTWARE & TOOLS IMAGE GALLERY FORUM

NASA's OceanColor Web is supported by the Ocean Biology Processing Group (OBPG) at NASA's Goddard Space Flight Center. Our responsibilities include the collection, processing, calibration, validation, archive and distribution of ocean-related products from a large number of operational, satellite-based remote-sensing missions providing ocean color, sea surface temperature and sea surface salinity data to the international research community since 1996.

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### Ocean Color Feature

SeaHawk has spread its wings and opened its eyes.



# NASA OceanColor Web

<https://oceancolor.gsfc.nasa.gov/>

**DATA**

- Overview
- Direct Data Access
- Data File Search
- Data Subscription
- OPeNDAP
- SeaBASS Field Data
  - Search
  - Browse
  - Submit
- How to Cite
- Other Resources

**Data Browsers**

- Level 1&2 Browser
- Level 3 Browser

**Quality Assessment**

- Product Validation
- Global L3 Trends
- Level-3 Time Series Plotter

**Overpass Predictor**

**OceanColor Forum**

# NASA OBPG Level 1 & 2 Browser for MODIS Imagery

<https://oceancolor.gsfc.nasa.gov/cgi/browse.pl?sen=am>

▲ ◀ ▶ TC **CHL** SBT SSTA

Comment

Help

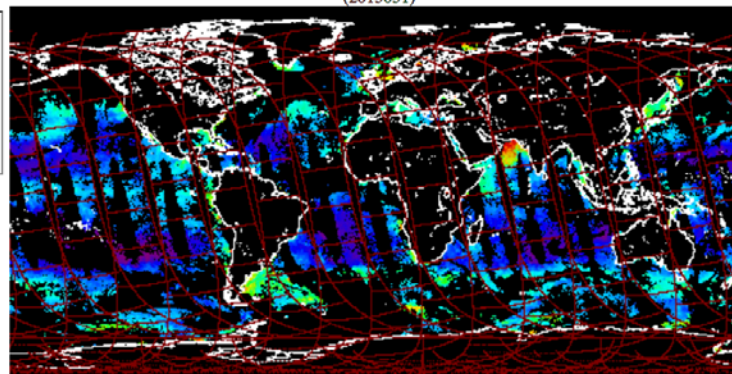
SeaWiFS <input type="checkbox"/> GAC <input type="checkbox"/> MLAC	MODIS <input checked="" type="checkbox"/> Aqua <input type="checkbox"/> Terra	VIIRS <input type="checkbox"/> Suomi-NPP <input type="checkbox"/> JPSS1	MERIS <input type="checkbox"/> RR <input type="checkbox"/> FRS	Select <input checked="" type="checkbox"/> Day <input type="checkbox"/> Night
OLCI (Sentinel-3A) <input type="checkbox"/>	OCTS (ADEOS) <input type="checkbox"/>	HICO (ISS) <input type="checkbox"/>	GOCI (COMS) <input type="checkbox"/>	

Radius (km) about map click or about typed-in location: Select swaths containing (at least):

72  
 400  
 800  
 1200  
 1500

any part  
 25 %  
 50 %  
 75 %  
 all

Select only scenes having in situ matchups.



Friday, 20 February 2015  
(2015051)

Chlorophyll

Select one or more regions:

- AdriaticSea
- AegeanSea
- Antarctica
- ArabianSea
- AralSea
- Arctic
- Australia
- AustraliaCoast
- Azores
- Bahamas
- BalticSea

or specify boundary coordinates or a single location:

N: 29  
W: -85 -81 :E

S: 25  
**Find swaths**

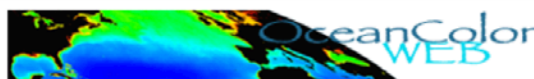
Click on:  
MODIS Aqua  
Feb 2015  
February 20  
& enter  
Boundary  
Coordinates

Display results 10 at a time.

Reconfigure page

	2015																					
	January					February					March											
	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
2002																						
2003																						
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2016																						
2017																						
2018																						
2019																						

Click on  
"Find Swaths"  
After Selecting  
Options

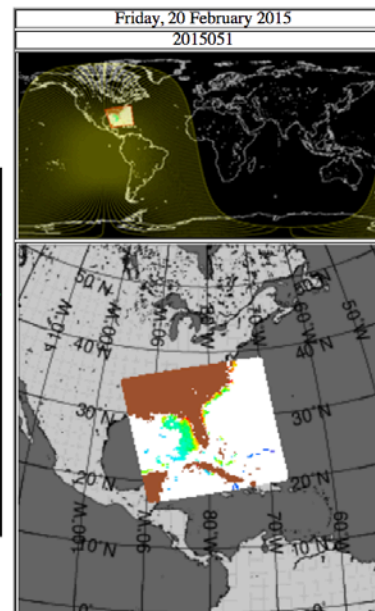
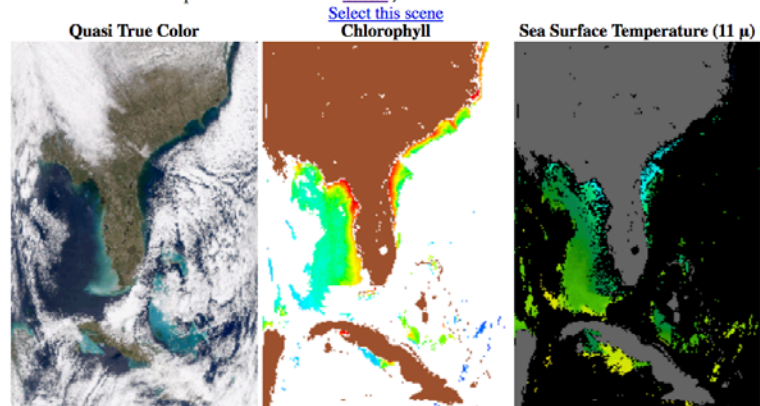


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# NASA OBPG Level 1 & 2 Browser Search Results

TC SST SST4  
A2015051184000.L0\_LAC 244,429,948 bytes  
A2015051184000.L1A\_LAC 238,353,367 bytes  
A2015051184000.L2\_LAC\_OC.nc 47,342,390 bytes  
A2015051184000.L2\_LAC\_IOP.nc 54,601,840 bytes  
A2015051184000.L2\_LAC\_SST 25,063,922 bytes  
(The above hyperlinks point to [compressed files](#).  
Documentation on these products can be found [HERE](#).)



Search Criteria  
Time Period: Friday, 20 February 2015 (daytime)  
Sensors: Aqua  
Area of Interest: region bounded by 29.0N and 25.0N and 85.0W and 81.0W

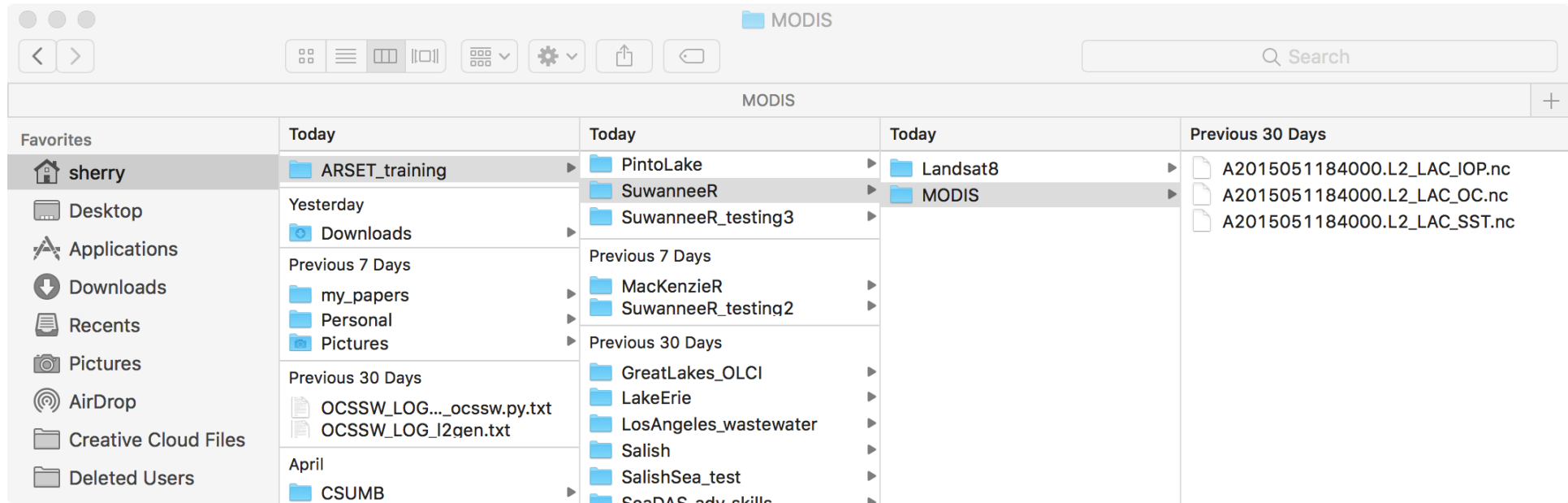


Percentage of AOI that swaths must include: 0  
Number of swaths: 1 swath found

Click on

A2015051184000.L2\_LAC\_OC.nc  
A2015051184000.L2\_LAC\_IOP.nc  
A2015051184000.L2\_LAC\_SST.nc  
to begin downloading image files

# Save Files to a Meaningful Location



# Find and Download the Landsat 8 OLI Imagery

<https://earthexplorer.usgs.gov/>

Set up  
a free  
account  
and  
log in

The screenshot displays the USGS EarthExplorer homepage. The top navigation bar includes the USGS logo, the text "EarthExplorer - Home", and a page expiration timer. Below the navigation bar, there are tabs for "Search Criteria", "Data Sets", "Additional Criteria", and "Results". The "Search Criteria" tab is active, showing a form with the following sections:

- 1. Enter Search Criteria:** Instructions to narrow the search area by address, coordinates, or map.
- Address/Place:** A text input field containing "suwanee, fl" with "Show" and "Clear" buttons.
- Coordinates:** A section with "Predefined Area", "Shapefile", and "KML" tabs. The "Degree/Minute/Second" tab is selected, showing "1. Lat: 29° 19' 43" N, Lon: 083° 08' 39" W" with "Use Map", "Add Coordinate", and "Clear Coordinates" buttons.
- Date Range:** A section with "Date Range" and "Result Options" tabs. The "Date Range" tab is selected, showing "Search from: 02/01/2015" to "02/28/2015" and "Search months: (all)".

On the right side of the search form, there is a "Search Criteria Summary (Show)" section with a "Clear Criteria" button. Below this is a satellite map of the United States with a red location pin over Florida. The map shows coordinates (52° 55' 57" N, 029° 39' 10" W) and has "Map" and "Satellite" tabs. The "Satellite" tab is selected, and there are "Options" and "Overlays" buttons.

# Find and Download Landsat 8 OLI Imagery











<https://earthexplorer.usgs.gov/>

## 2. Select Your Data Set(s)

Check the boxes for the data set(s) you want to search. When done selecting data set(s), click the *Additional Criteria* or *Results* buttons below. Click the plus sign next to the category name to show a list of data sets.

Use Data Set Prefilter ([What's This?](#))


Data Set Search:

- EO-1
  - Global Fiducials
  - HCMM
  - ISERV
  - Land Cover
  - Landsat 
    - Landsat Collection 1 Level-3
    - Landsat Analysis Ready Data (ARD)
    - Landsat Collection 1 Level-2 (On-Demand) 
    - Landsat Collection 1 Level-1
      -   Landsat 8 OLI/TIRS C1 Level-1
      -   Landsat 7 ETM+ C1 Level-1
      -   Landsat 4-5 TM C1 Level-1
      -   Landsat 1-5 MSS C1 Level-1
    - Landsat Legacy

## 3. Additional Criteria (Optional)

If you have more than one data sets selected, use the dropdown to select the additional criteria for each data set.

Data Sets:

Landsat 8 OLI/TIRS C1 Level-1 

### Day/Night Indicator

All  
Day  
Night

### Sun Elevation

to

### Date L-1 Generated (Ex. YYYY/MM/DD)

to

### Geometric RMSE Model (meters)

to

### Nadir/Off Nadir

All  
Nadir  
Off Nadir

### Landsat Scene Identifier (Legacy)

Search Criteria


Data Sets

Additional Criteria

Results


## 4. Search Results

If you selected more than one data set to search, use the dropdown to see the search results for each specific data set.

Show Result Controls 

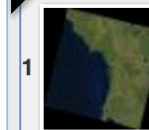
Data Set

[Click here to export your results](#) 

Landsat 8 OLI/TIRS C1 Level-1 

« First < Previous 1  Next > Last »

Displaying 1 - 2 of 2 



1

ID:LC08\_L1TP\_017040\_20150220\_20170301\_01\_T1  
Acquisition Date:20-FEB-15  
Path:17  
Row:40



2

ID:LC08\_L1TP\_017040\_20150204\_20170302\_01\_T1  
Acquisition Date:04-FEB-15  
Path:17  
Row:40



« First < Previous 1  Next > Last »



# Find and Download Landsat 8 OLI Imagery

<https://earthexplorer.usgs.gov/>

The screenshot displays the Earth Explorer USGS interface. At the top, there are tabs for 'Search Criteria', 'Data Sets', 'Additional Criteria', and 'Results'. Below these, a 'Search Results' section provides instructions and a 'Show Result Controls' dropdown. The 'Data Set' section lists 'Landsat 8 OLI/TIRS C1 Level-1'. Two data sets are shown, each with a thumbnail and metadata including ID, Acquisition Date, Path, and Row. A 'Download Options' dialog box is overlaid on the page, listing five download options with their file sizes. The 'Download' button for the 'Level-1 GeoTIFF Data Product (822.3 MB)' is circled in red. The background shows a satellite map of the Jacksonville, Florida area with a search criteria summary and a 'Clear Criteria' button.

Download Option	File Size
Download LandsatLook Natural Color Image	6.3 MB
Download LandsatLook Thermal Image	2.5 MB
Download LandsatLook Quality Image	398.2 KB
Download LandsatLook Images with Geographic Reference	9.2 MB
Download Level-1 GeoTIFF Data Product	822.3 MB

# Extract and Save Files to a Meaningful Location

(not too deep in your directory structure)

