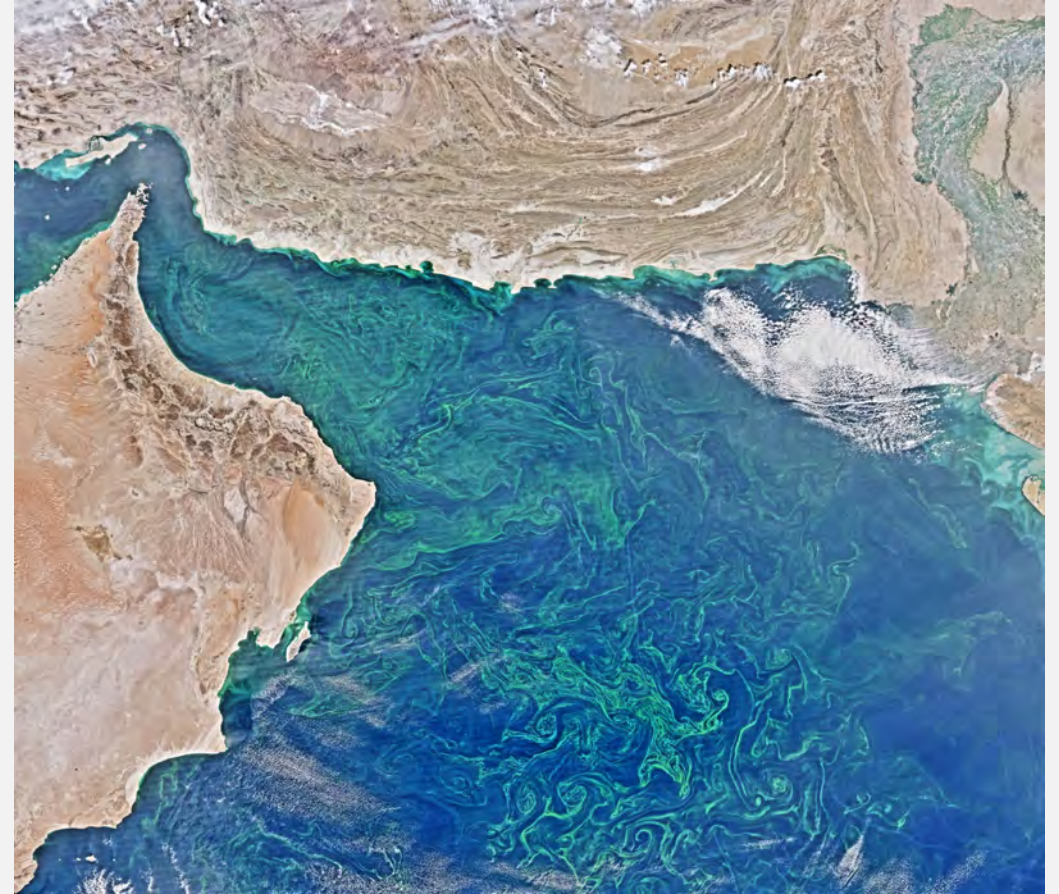


A satellite image showing a coastal region. On the left, a river delta flows into the ocean, with green vegetation and sandy banks. The ocean is a deep blue, and the sky is a lighter blue. A semi-transparent white box is overlaid on the image, containing the text "Accessing NASA Satellite Imagery" and a horizontal line.

Accessing NASA Satellite Imagery

Agenda

- Light and Water
- Fundamentals of Remote Sensing
- Aquatic Remote Sensing Data Products and Their Uses
- **Accessing NASA Satellite Imagery**
 - Worldview
 - OceanColor Web Data Browsers
 - Other Data Access Tools
- NASA Satellite Data Processing Tools

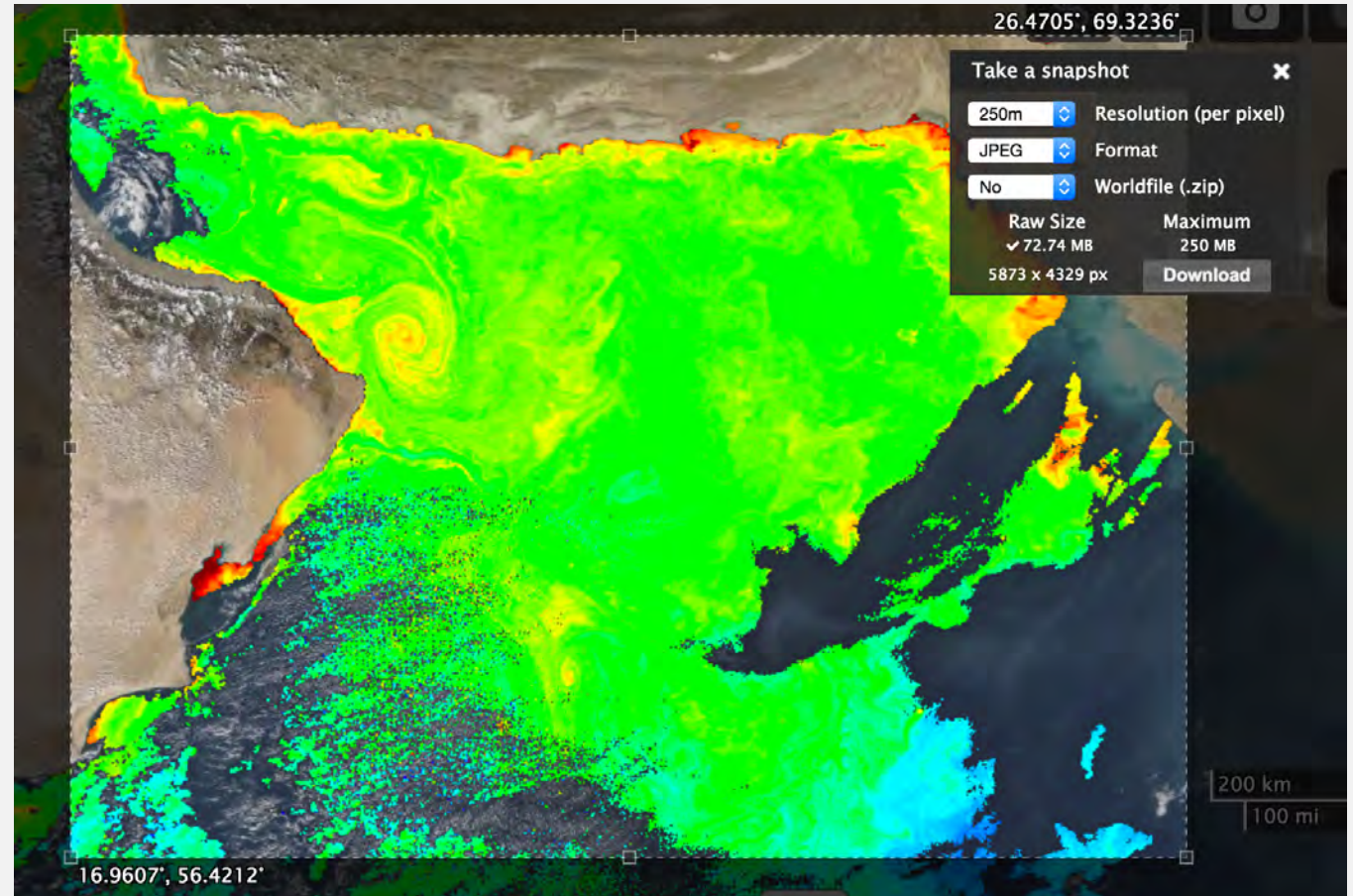


Phytoplankton Bloom in the Arabian Sea
Credit: N. Kuring, <http://earthobservatory.nasa.gov/IOTD/view.php?id=85718>

NASA Worldview

<https://worldview.earthdata.nasa.gov/>

- Interactive web-based tool for browsing satellite imagery
- Imagery is generally available within four hours of observation
- Daily imagery from May 2012 to present
- Data can be downloaded
- Image output in JPEG, PNG, GeoTIFF, and KML formats



NASA OceanColor Web – Data Access

<http://oceancolor.gsfc.nasa.gov/cms/dataaccess>

- Level 1 & 2 Browser
- Level 3 Browser
- Direct Data Access
- Data File Search
- SeaBASS Field Data

Data Access

The Ocean Biology Processing Group (OBPG) serves as the Distributed Active Archive Center (DAAC) for all Ocean Biology (OB) data produced or collected under NASA's Earth Observing System Data and Information System (EOSDIS). This website thus serves as the primary data access portal to the NASA OB.DAAC. The links below provide a variety of methods to access the holdings of the OB.DAAC, including visual browsers that enable point-and-click access by [data levels](#) and direct access for bulk download. In agreement with partner organizations, some data access requires [user registration](#) to enable better tracking of usage metrics.

Data Management

The data management plan describes the acquisition, generation, management, archive and distribution of science data products generated by the Ocean Data Processing System (ODPS). For a detailed description of science data products, data flows, supported sensors, and data availability, archiving and distribution, please refer to the [plan document](#).

Data Access Tools

[Level 1 & 2 Browser](#) - visual browse, download and data order access to all supported satellite data for Level-1 and Level-2 scenes at observed geographic scale and temporal granularity including cross satellite and *in situ* data search capabilities.

[Level 3 Browser](#) - visual access to global composites at various spatial and temporal scales.

[Direct Data Access](#) - direct access to all available data through http protocols suitable for [bulk download](#).

[Data File Search](#) - direct access via filename search, including support for wildcard search on partail filenames.

[SeaBASS Field Data](#) - community archive of field data relevant to ocean color research, algorithm development, and validation.

[Other Resources](#) - links to partners that also distribute OB.DAAC products or other products derived from OB.DAAC holdings.

NASA OceanColor Web – Level 1 & 2 Browser

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

TC **OC2** SST SSTA

Comment **Help**

SeaWiFS	MODIS	MERIS	Select <input checked="" type="checkbox"/> Day <input type="checkbox"/> Night	
<input type="checkbox"/> GAC	<input checked="" type="checkbox"/> Aqua	<input type="checkbox"/> RR		
<input type="checkbox"/> MLAC	<input type="checkbox"/> Terra	<input type="checkbox"/> FRS		
<input type="checkbox"/> VIIRS (Suomi-NPP)	<input type="checkbox"/> OCTS (ADEOS)	<input type="checkbox"/> HICO (ISS)	<input type="checkbox"/> GOCI (COMS)	<input type="checkbox"/> CZCS (Nimbus-7)

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

<input checked="" type="radio"/> 72
<input type="radio"/> 400
<input type="radio"/> 800
<input type="radio"/> 1200
<input type="radio"/> 1500

Select swaths containing (at least):

<input checked="" type="radio"/> any part
<input type="radio"/> 25 %
<input type="radio"/> 50 %
<input type="radio"/> 75 %
<input type="radio"/> all

Select only scenes having in situ matchups.

Sunday, 23 June 2002 through Saturday, 9 July 2016

Chlorophyll

Display results 10 at a time. [Reconfigure page](#)

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:

W: :E

S:

[Find swaths](#)

Mission	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
	2007	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2008	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2009	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2010	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2011	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2012	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2013	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2014	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2015	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

May 2016						
S	M	T	W	T	F	S
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				

June 2016						
S	M	T	W	T	F	S
				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

July 2016						
S	M	T	W	T	F	S
					1	2
					3	4
					5	6
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					15	16
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					27	28
					29	30
					31	

Some Other Data Access Tools

- NOAA CoastWatch
 - <http://coastwatch.noaa.gov/>
- NASA Giovanni
 - <http://giovanni.gsfc.nasa.gov/giovanni/>
- USGS Earth Explorer
 - <http://earthexplorer.usgs.gov/>

