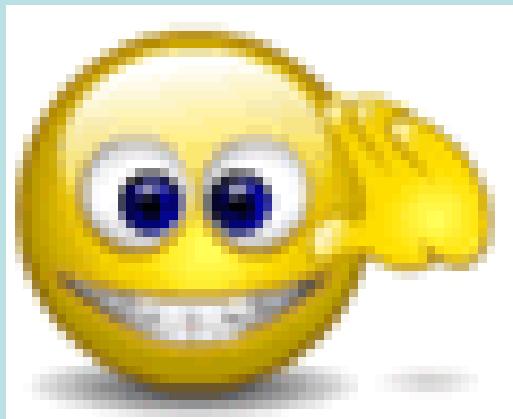
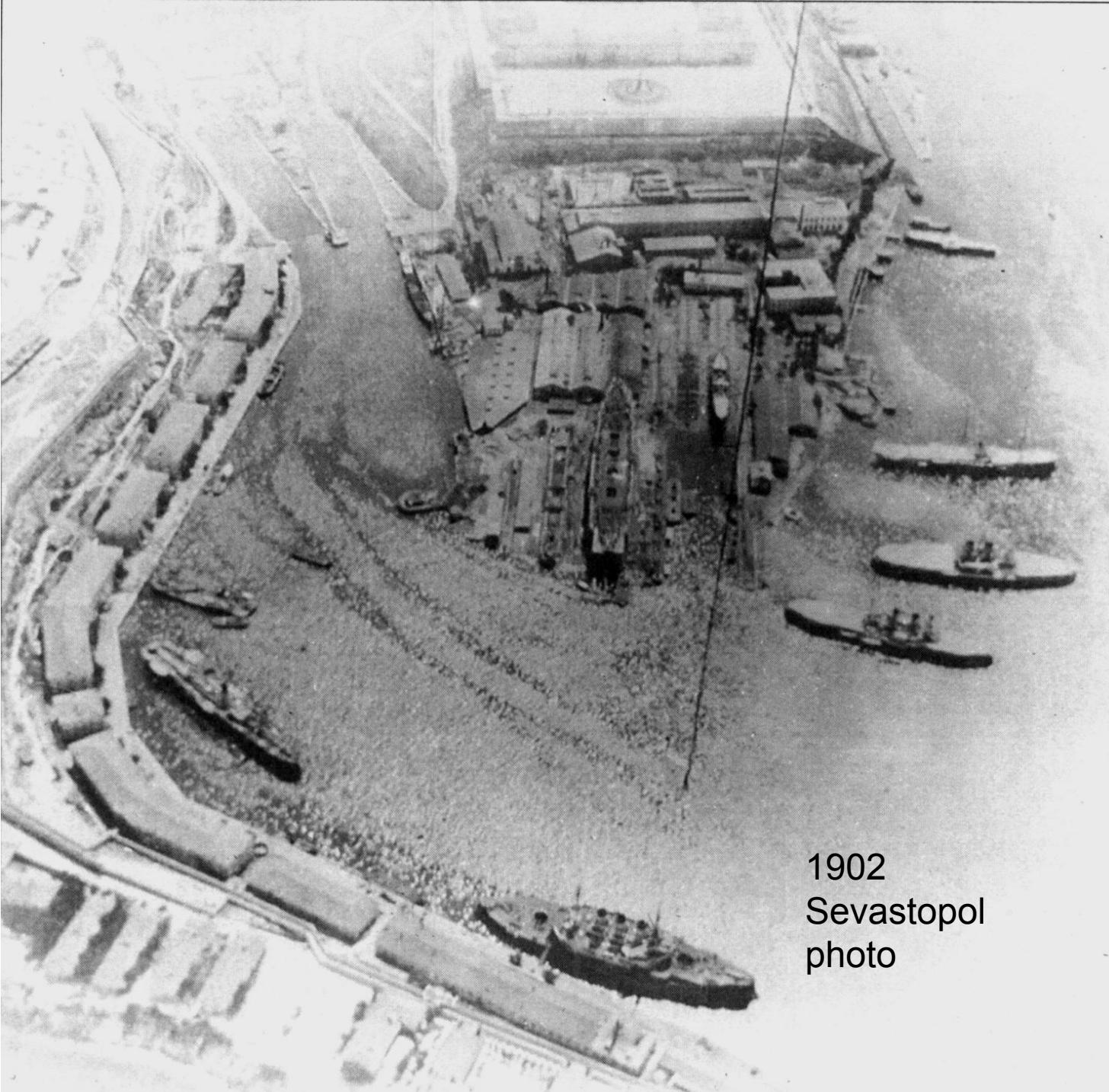


Современные архивы  
спутниковых и метеорологических данных.  
Применение  
для изучения процессов и явлений в морских  
экосистемах



2012



1902  
Sevastopol  
photo

Oil spill detection by  
remote sensing,  
probably the first  
Image with oil pollution  
manifestation in optics

http://www.class.ngdc.noaa.gov/saa/products/welcome;jsessionid=760F96E703994214611A3D1E5780B1A1

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NOAA's Comprehensive Large Array-...

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS

NOAA

COMPREHENSIVE LARGE ARRAY-DATA STEWARDSHIP SYSTEM (CLASS)  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

» CLASS Home » Login » Register » Help

CLASS Help All NOAA » SEARCH

Please select a product to search

 Hurricane Katrina GOES 08/28/05

**Around CLASS**

- » Home
- » Search for Data
- » Upload Search
- » Search Results
- » Shopping Cart
- » Order Status
- » Help

**User Account**

- » User Profile
- » User Preferences
- » Advanced Options
- » Download Keys

**Release Info**

- » Version 5.5.2.1 September 20, 2011

**Other Links**

- » CLASS Home
- » NODC
- » NCDC
- » NCDC

**SEARCH FOR DATA**

- + Environmental Data from Polar-orbiting Satellites
- + Environmental Data from Geostationary Satellites
- + Defense Meteorological Satellite Program (DMSP)
- + NPOESS Preparatory Project (NPP)
- + Sea Surface Temperature data (SST)
- + RADARSAT
- + Altimetry / Sea Surface Height Data (JASON-2)
- + Global Navigation Satellite Systems (GNSS)
- + Other - Miscellaneous products in CLASS

**SEARCH COLLECTION METADATA**

Done

Total Commander 7.0 pu... NOAA's Comprehensive Large Array-data Stewardship System

File Edit View History Bookmarks Tools Help

http://www.class.ngdc.noaa.gov/saa/products/catSearch

Most Visited Getting Started Latest Headlines http://www.class.ngdc.noaa.gov/saa/products/catSearch

NOAA's Comprehensive Large Array... +

NOAA HOME WEATHER OCEANS FISHERIES CHARTING SATELLITES CLIMATE RESEARCH COASTS CAREERS

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- » Home
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- » Order Status
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  - » User Profile
  - » User Preferences
  - Advanced Options
  - » Download Keys
  - Release Info
- » Version 5.5.2.1 September 20, 2011
- Other Links
  - » CLASS Home
  - » NODC
  - » NCDC

Please select a product to search

Please select a product to search

Advanced Clear-Sky Products over Oceans (ACSPO)  
Advanced Scatterometer Level 1B (ASCAT)  
Advanced Very High Resolution Radiometer (AVHRR)  
Aerosol Optical Thickness (100 KM) (AERO100)  
Climate Forecast System - Reanalysis (restricted data) (CFS-R)  
Coast Watch full resolution swath files in hdf format (CW\_SWATH)  
CoastWatch Regions in HDF format (CW\_REGION)  
CoastWatch, Alaska Regional Node (CWALA)  
CoastWatch, Caribbean Regional Node (CWCAR)  
CoastWatch, Great Lakes Node (CWGRL)  
CoastWatch, Gulf of Mexico (CWGOM)  
CoastWatch, Hawaii Regional Node (CWHAW)  
CoastWatch, Northeast Regional Node (CWNOE)  
CoastWatch, Southeast Regional Node (CWSOE)  
CoastWatch, West Coast Regional Node (CWWEC)  
Continuously Operating Reference Stations (restricted data) (CORS)  
Coral Bleaching Monitoring Products (CORBL)  
Defense Meteorological Satellite Program (DMSP)  
Environmental Satellite System (NPOESS) and now the Joint Polar Satellite System (JPSS).

+ Sea Surface Temperature data (SST)  
NOAA offers a variety of SST products derived from the raw radiance data collected by POES and GOES satellites.

+ RADARSAT  
RADARSAT is an advanced Earth observation satellite project developed by Canada to monitor environmental change and to support resource sustainability. The Synthetic Aperture Radar (SAR) is a powerful microwave instrument that can transmit and receive signals to "see" through haze, smoke, and darkness, and obtain high quality images of the Earth in all weather at any time.

Пуск Total Commander 7.0 pu... NOAA's Comprehensive Large Array-DATA STEWARDSHIP SYSTEM (CLASS) Clipboard01 - IrfanView (...) Microsoft PowerPoint - [...]

PO.DAAC - Mozilla Firefox

EN Английский (США) ?

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http://podaac.jpl.nasa.gov/ Google

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 Jet Propulsion Laboratory California Institute of Technology

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BROWSE DATASETS

-  Parameter
-  Collections
-  Platform
-  Sensor
-  Spatial Coverage
-  Latency

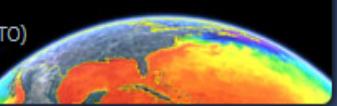
To browse for datasets, select a starting category from the left

SEARCH FOR DATASETS:  Go

All NASA Datasets Search **WIST** powered by 

AQUARIUS/SAC-D MISSION  
 Aquarius Level 2 salinity data now available  
MORE

DATA ACCESS TOOLS & SERVICES  
PROTOCOLS: FTP | OPeNDAP | THREDDS  
SUBSETTING: Dataminer | POET  
EXPLORE NEW IDEAS & PROTOTYPES: PO.DAAC LABS

VISUALIZATION: State of the Ocean (SOTO)  


ANIMATION & IMAGES

Done

PO.DAAC OceanESIP Tool (POET) GUI - Mozilla Firefox

EN Английский (США)

File Edit View History Bookmarks Tools Help

http://poet.jpl.nasa.gov/ Google

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Data Access | PO.DAAC PO.DAAC OceanESIP Tool (POET) ...

HOME DATASET DISCOVERY DATA ACCESS MEASUREMENTS MISSIONS ANIMATIONS & IMAGES USER COMMUNITY HELP

The PO.DAAC Ocean ESIP Tool (POET) v2.0  
Enables you to subset, plot, & view many of PO.DAAC's data products.

POET Facts ►

POET QuickLook

Parameter: Sea Surface Temperature  
Source: AVHRR Pathfinder Version 5, Default

POET QuickSubmit

Submit Request

VARIABLE TIME INTERVAL GEOGRAPHIC AREA OUTPUT

Select Variable

Parameter: Temperature ▾ Sea Surface Temperature ▾  
Temperature Wind Current

Source: AVHRR Pathfinder Version 5  
Version: Default

AVHRR Pathfinder Version 5 is available from 1985 through 2009.  
More Info

Spatial/Temporal Resolution: 4 km ▾ Daily ▾ Time of Day: Nighttime ▾

Advanced Processing Options: Quality: 7 (best) ▾ Algorithm:

PO.DAAC OceanESIP Tool (POET) GUI - Mozilla Firefox

EN Английский (США) ?

File Edit View History Bookmarks Tools Help

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Data Access | POET Tool (POET) ...

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The PO.DAAC Ocean ESIP Tool (POET) v2.0  
Enables you to subset, plot, & view many of PO.DAAC's data products.

POET Facts ►

POET QuickLook

Parameter: Sea Surface Temperature  
Source: AVHRR Pathfinder Version 5, Default

POET Quick Submit

Submit Request

VARIABLE TIME INTERVAL GEOGRAPHIC AREA OUTPUT

Select Output

Output: Latitude-Longitude Map

Format: GIF

Plot Range:  PNG  JPEG  netCDF  HDF SDS  HDF RasterS  GeoTIFF (for ArcGIS)  GeoTIFF (for browser)

Plot Titles:  Land mask  ASCII also

Plot Size: 1024 X 768

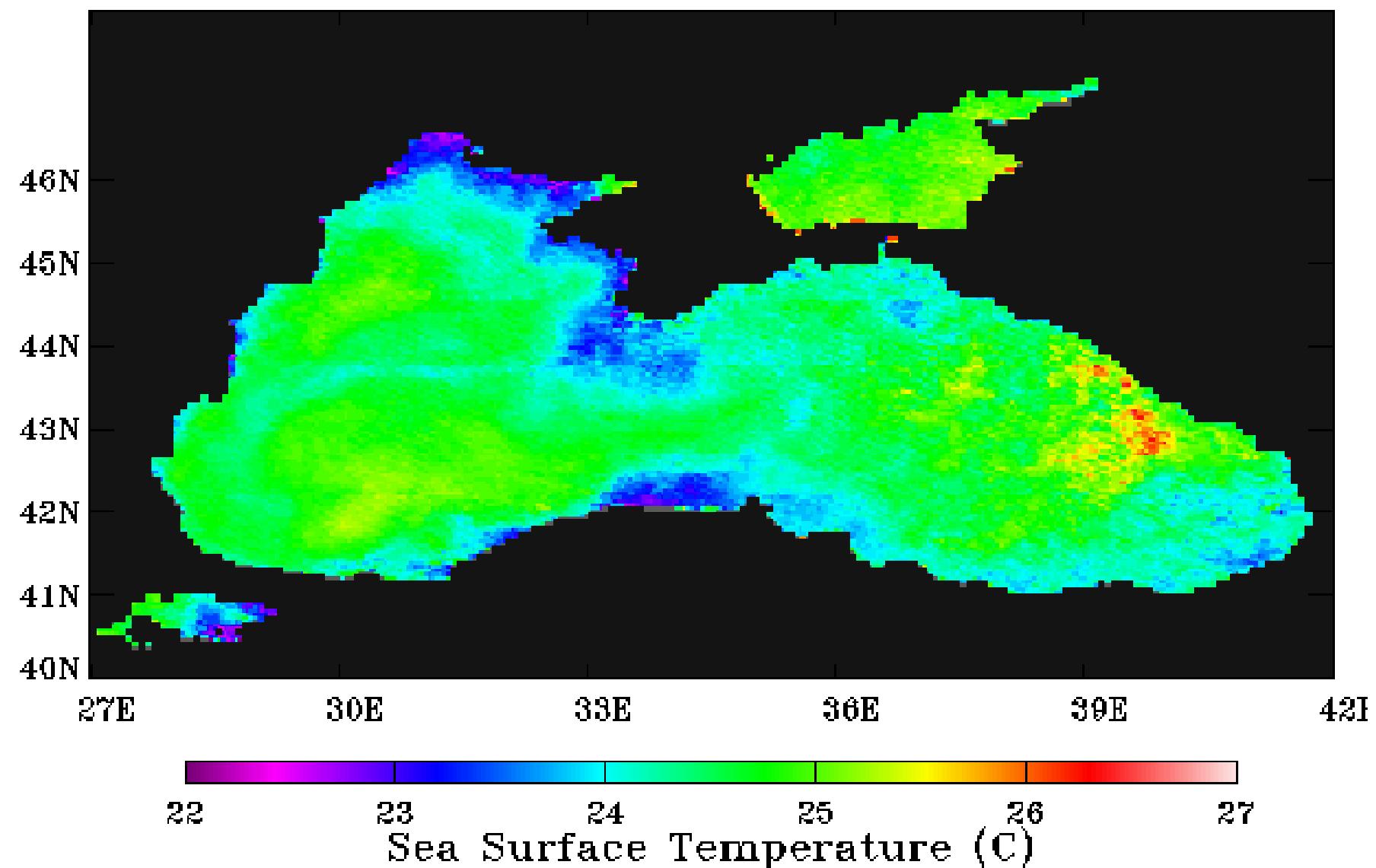
Transfer: Now, While I Wait

Via: http  gzip

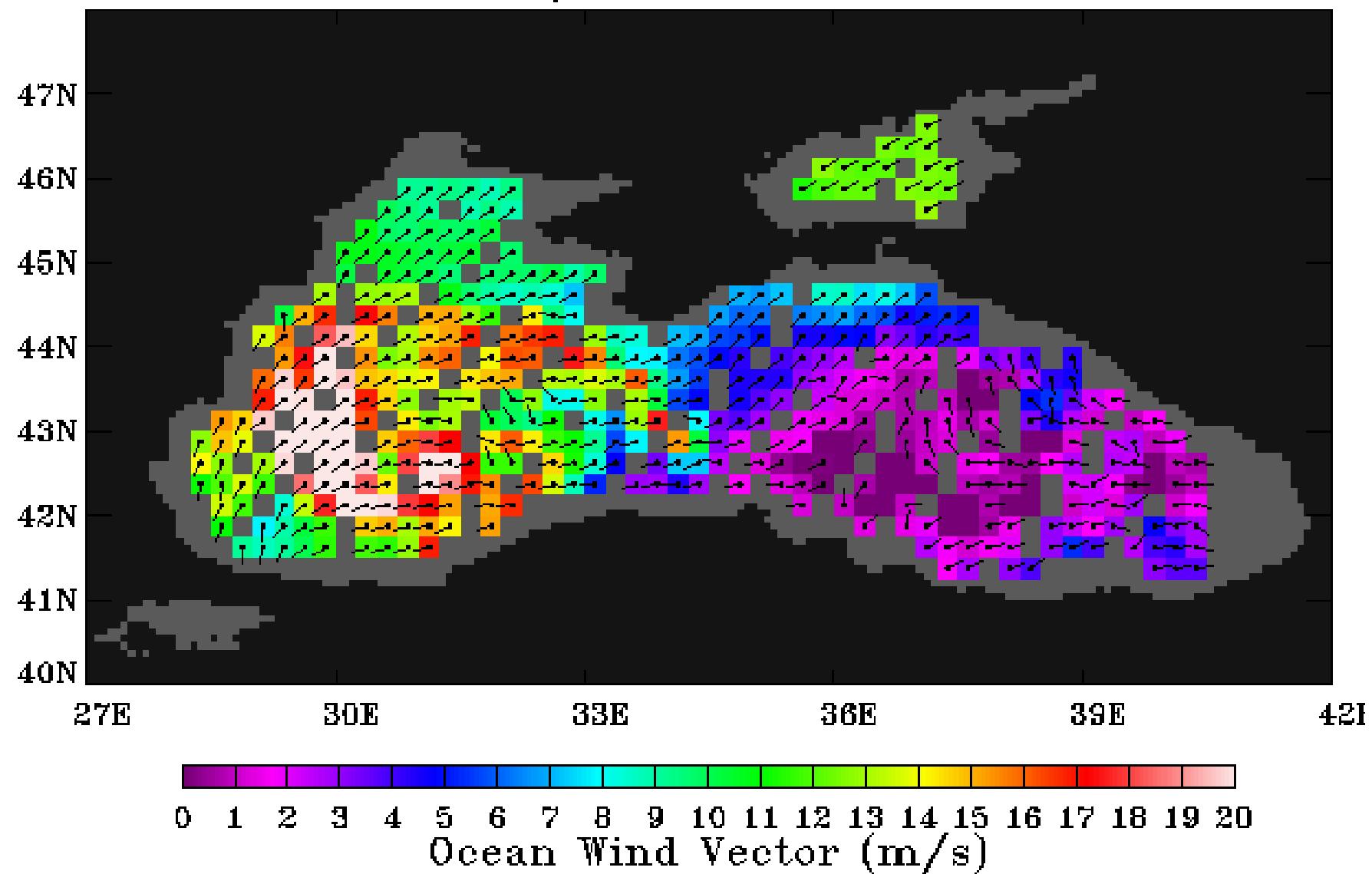
Submit Request

http://www.mozilla.org/products/firefox/central.html

Month: 07 Year: 2008



Day: 270 Year: 2005



Dataset Discovery | PO.DAAC - Mozilla Firefox

Файл Правка Вид Журнал Закладки Инструменты Справка

http://podaac.jpl.nasa.gov/datasetlist?ids=Measurement&values=Sea+Surface+Topography&search=

Яндекс @MAIL.RU: почта, но... Одноклассники.ru - ... В Контакте | Добро п... GISMETEO.RU: Прогн... http://www.auto.ru/ Новая закладка

podaac — Яндекс: Нашлось 4011 ... Dataset Discovery | PO.DAAC

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HOME DATASET DISCOVERY DATA ACCESS MEASUREMENTS MISSIONS ANIMATIONS & IMAGES USER COMMUNITY HELP

Parameter | Collections | Platform | Sensor | Spatial Coverage | Latency

BROWSE DATASETS

Processing Levels

- Any processing level
  - Level-2 (Swath) (24)
  - Level-3 (Grid) (1)
  - Level-4 (Blended) (1)

Swath Spatial Resolution

- Any swath spatial resolution
  - 5 km (1)
  - 8 km (1)
  - 8 km (23)

Grid Spatial Resolution

- Any grid spatial resolution
  - 0.25 degrees (1)

Temporal Resolution

- Any temporal resolution
  - 1 Month (1)
  - 10 day repeat cycle (23)
  - 30 day repeat cycle (1)
  - 7 days (1)

Parameter

- Any parameter
  - Sea Surface Topography (26)
    - Any variable
      - Sea Surface Height (26)

Platform

- Any platform
  - ENVISAT (1)

All Datasets > Parameter: Sea Surface Topography

Found 26 matching dataset(s).

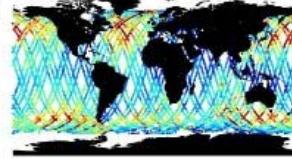
Sort By Popularity (All Time)

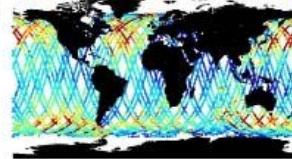
Enter Dataset Keyword

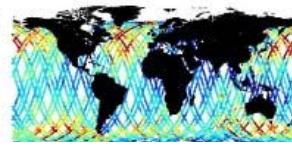
Prev 1 2 3 Next

Need help selecting a dataset?  
Contact a PO.DAAC Data Engineer

To learn more about Sea Surface Topography, please visit [this page](#).

1.   
**Jason-1 Altimeter Interim Geophysical Data Record (IGDR) NetCDF (JASON-1\_IGDR\_NETCDF)**  
**Significant Wave Height, Sea Surface Height**  
**Platform/Sensor:** JASON-1/POSEIDON-2 , JASON-1/JMR  
**Processing Level:** 2  
**Along/Across Track Resolution:** 11.2 km x 5.1 km  
**Start/End Date:** 2008-May-27 to Present  
**Description:** The Interim Geophysical Data Record (IGDR) dataset contain full accuracy altimeter data, with the exception of an interim orbit (accuracy less than 4 cm), provided within 3 days o ... [more](#)

2.   
**Jason-1 level 2 Altimeter Geophysical Data Record version C binary format (JASON-1\_L2\_OST\_GDR\_Ver-C\_Binary)**  
**Significant Wave Height, Sea Surface Height, Sigma Naught, Total Electron Content**  
**Platform/Sensor:** JASON-1/POSEIDON-2 , JASON-1/JMR , JASON-1/TRSR ... [more](#)  
**Processing Level:** 2  
**Along/Across Track Resolution:** 11.2 km x 5.1 km  
**Start/End Date:** 2002-Jan-15 to Present  
**Description:** The Jason-1 Geophysical Data Records (GDR) contain full accuracy altimeter data, with a high precision orbit (accuracy ~2.5 cm), provided approximately 35 days after data collectio ... [more](#)

3.   
**Jason-1 Altimeter Interim Geophysical Data Record (IGDR) (JASON-1\_IGDR)**  
**Significant Wave Height, Sea Surface Height**  
**Platform/Sensor:** JASON-1/POSEIDON-2 , JASON-1/JMR  
**Processing Level:** 2  
**Along/Across Track Resolution:** 11.2 km x 5.1 km  
**Start/End Date:** 2002-Jan-15 to Present

OceanColor Home Page - Mozilla Firefox

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

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OceanColor Home Page

## Data Access

**Data Distribution Status**

All systems nominal

NOTE: FTP connections must be made in PASSIVE mode

**Level 1 and 2 Browser**

Visually search the ocean color data archive. Directly download or order data from a single file to an entire mission.

**Level 3 Browser**

Browse the entire global ocean color data set for many parameters and time periods and download PNG images or digital data in HDF format.

**Global Time Series**

Time series plots of selected SeaWiFS, MODIS and OCTS Standard Mapped Images for a set of selected regions or the entire globe.

**Data Archive**

Access to the complete data archive via an 'FTP-like' directory structure. This replaces most of the functionality of the FTP server. Retrieval of data in bulk is possible with this new server.

**Ocean Productivity**

Ocean Net Primary Productivity data products derived from MODIS and/or SeaWiFS data available from Oregon State University.

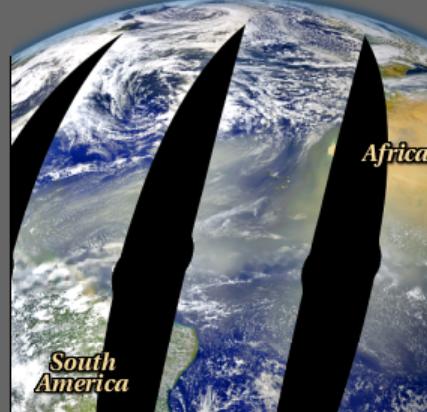
**Giovanni**

An easy-to-use, Web-based interface for the visualization and analysis of Earth Science data provided by the GES DISC DAAC.

## Ocean Color Feature

Recent topics and imagery of interest to the OceanColor community.

**Transatlantic Dust**



So far this spring, higher than average quantities of dust have been riding the trade winds from northern Africa to South America and the Caribbean. A sequence of twelve days of SeaWiFS data shows the tan-colored atmosphere in a wide band that stretches unbroken all the way across the Atlantic Ocean.

**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 GeoEye

**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* oceanographic and atmospheric data for use in algorithm development and satellite data product validation.

**Registration for support services:**

- Data access and Subscriptions
- Forgotten password
- [Email change](#)
- SeaWiFS Access Authorization

**Near Real-Time (NRT) Services:**

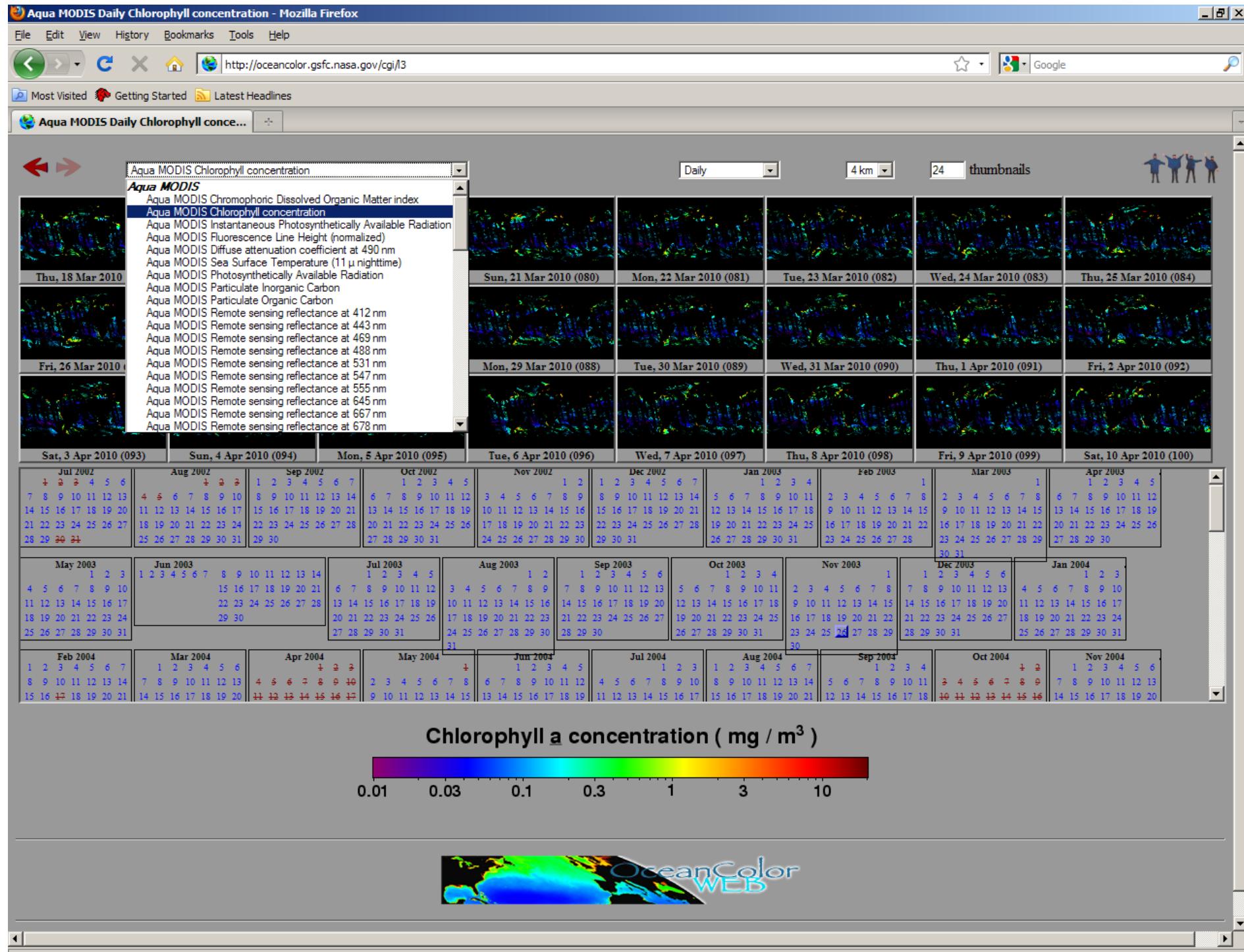
- NRT Data Subscriptions  
Subscriptions allow users to specify regions for NRT data to be continually staged on our FTP server for download.

**Information Services:**

- Ocean Color Forum
- Ocean Color Mailing List
- Ocean Color Data Processing

**Other Services:**

- Satellite Overflight Predictions
- SeaWiFS LAC scheduling
- Data subscription status
- L1/L2 browser order status
- [File Search Utility](#)  
Search for satellite and ancillary data archived by the ocean color data production system.





**Giovanni - Ocean Color Radiometry Online Visualization and Analysis - Mozilla Firefox**

File Edit View History Bookmarks Tools Help

http://gdata1.sci.gsfc.nasa.gov/daac-bin/G3/gui.cgi?instance\_id=ocean\_month

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Giovanni - Ocean Color Radiometry ...

### Spatial

Cursor Coordinates: -54.49219, -19.33594

Area of Interest: West: 24.2578125 North: 50.9765625 South: 31.2890625 East: 47.4609375 Update Map

**Parameters**

Display:  Data Product Info  Climatology Info  Units  Only Parameters with Climatology

Analysis Options:  Parameter  Climatology  Anomaly [Show Notes...](#)

SeaWiFS.R2009(1997/09/01 - 2010/03/31)			
Parameter	Data Product Info	Source	Time Range
<input type="checkbox"/> Angstrom coefficient	SWFMO_angstrom.R2009	SeaWiFS	1997/09 - 2010/03
<input type="checkbox"/> Chlorophyll a concentration	SWFMO_CHLO.R2009	SeaWiFS	1997/09 - 2010/03
<input type="checkbox"/> Colored Dissolved Organic Matter (CDOM) Index	SWFMO_CDOM.R2009	SeaWiFS	1997/09 - 2010/03
<input type="checkbox"/> Diffuse attenuation coefficient at 490 nm	SWFMO_K490.R2009	SeaWiFS	1997/09 - 2010/03
<input type="checkbox"/> Particulate Inorganic Carbon	SWFMO_PIC.R2009	SeaWiFS	1997/09 - 2010/03
<input type="checkbox"/> Particulate Organic Carbon	SWFMO_POC.R2009	SeaWiFS	1997/09 - 2010/03
<input type="checkbox"/> Photosynthetically Available Radiation	SWFMO_PAR.R2009	SeaWiFS	1997/09 - 2010/03
SeaWiFS.R5.2(1997/09/01 - 2009/07/01)			
Parameter	Data Product Info	Source	Time Range
<input type="checkbox"/> Aerosol optical thickness at 865 nm	SWFMOT865.005	SeaWiFS	1997/09 - 2009/07
<input type="checkbox"/> Angstrom coefficient 510 to 865 nm	SWFMOA510.005	SeaWiFS	1997/09 - 2009/07
<input type="checkbox"/> Chlorophyll a concentration	SWFMOCHLO.005	SeaWiFS	1997/09 - 2009/07
<input type="checkbox"/> Diffuse attenuation coefficient at 490 nm	SWFMOK490.005	SeaWiFS	1997/09 - 2009/07
<input type="checkbox"/> Epsilon of aerosol correction at 765 and 865 nm	SWFMOEPS78.005	SeaWiFS	1997/09 - 2009/07
<input type="checkbox"/> Normalized water-leaving radiance at 442 nm	SWFMOI442.005	SeaWiFS	1997/09 - 2009/07
MODIS-Aqua.R1.1(2002/07/01 - 2010/03/01)			
Parameter	Data Product Info	Source	Time Range
<input type="checkbox"/> Aerosol optical thickness at 869 nm	MAMOT869.001	MODIS-Aqua	2002/07 - 2010/01
<input type="checkbox"/> Angstrom coefficient 531 to 869 nm	MAMOA531.001	MODIS-Aqua	2002/07 - 2010/01
<input type="checkbox"/> Chlorophyll a concentration	MAMOCHLO.001	MODIS-Aqua	2002/07 - 2010/01

[File](#) [Edit](#) [View](#) [History](#) [Bookmarks](#) [Tools](#) [Help](#)[http://gdata1.sci.gsfc.nasa.gov/daac-bin/G3/gui.cgi?instance\\_id=ocean\\_8day](http://gdata1.sci.gsfc.nasa.gov/daac-bin/G3/gui.cgi?instance_id=ocean_8day)[Most Visited](#) [Getting Started](#) [Latest Headlines](#)[Giovanni - Giovanni Ocean Color Radi...](#)[+ ABOUT GIOVANNI](#)[+ NEWS](#)[+ INSTANCES](#)[+ FEEDBACK](#)[+ RELEASE NOTES](#)

# Giovanni Ocean Color Radiometry 8-day Data Product Visualization

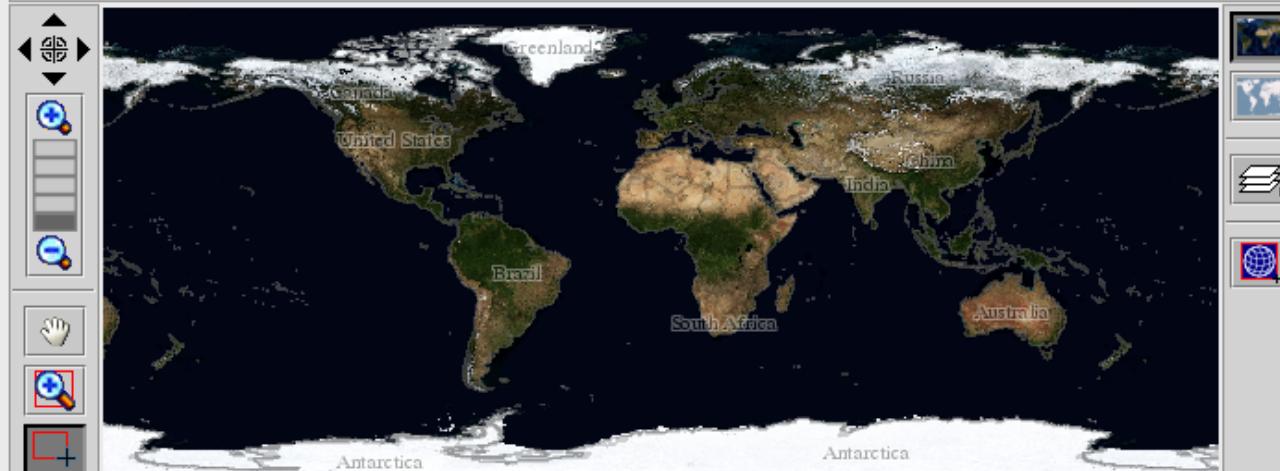
## 8-day temporal resolution data products from SeaWiFS and MODIS

[Home](#)

This Giovanni data portal provides standard and evaluation ocean color radiometric data products from SeaWiFS and MODIS. These data products are in support Coastal and Inland Waters project, and the National Oceanographic Partnership Program bio-optical profiling float project.

**Select:****Spatial**

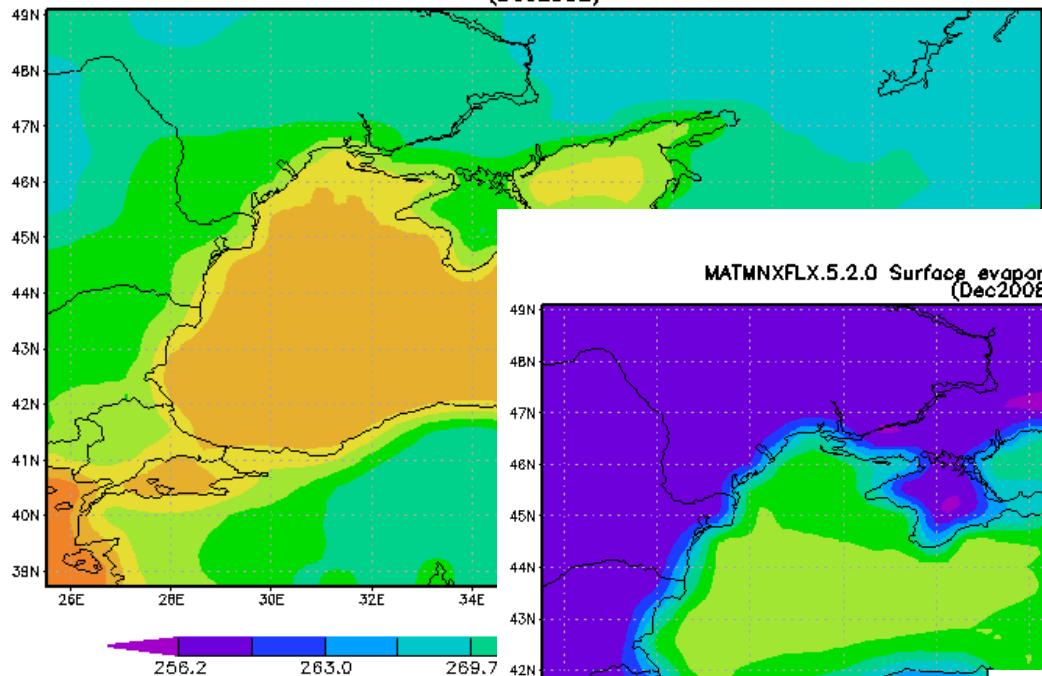
Cursor Coordinates: 178.94531, 14.41406

**Parameters**Display:  Data Product Info  Units

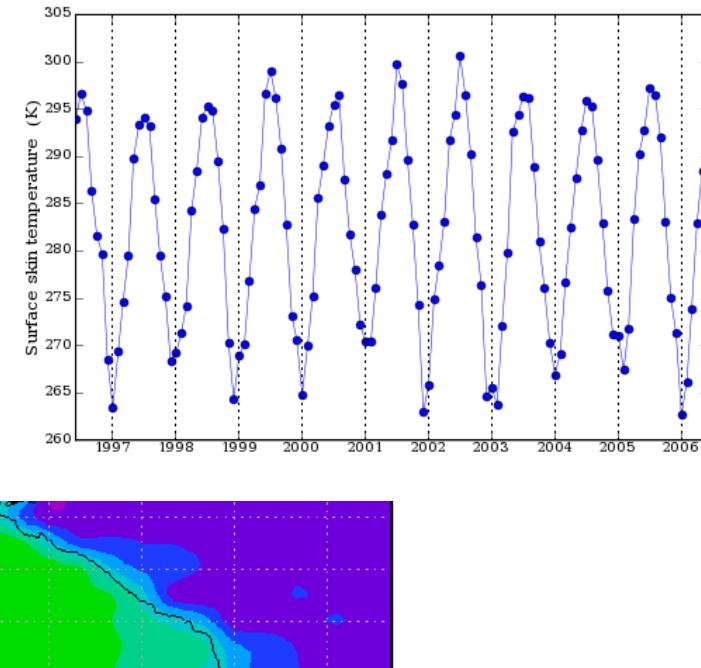
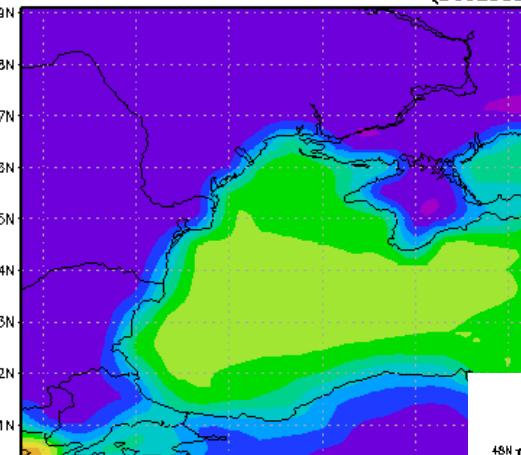
Done

Area-Averaged Time Series (MATMNXRAD 5.2.0)  
(Region: 30E-32E, 46N-50N)

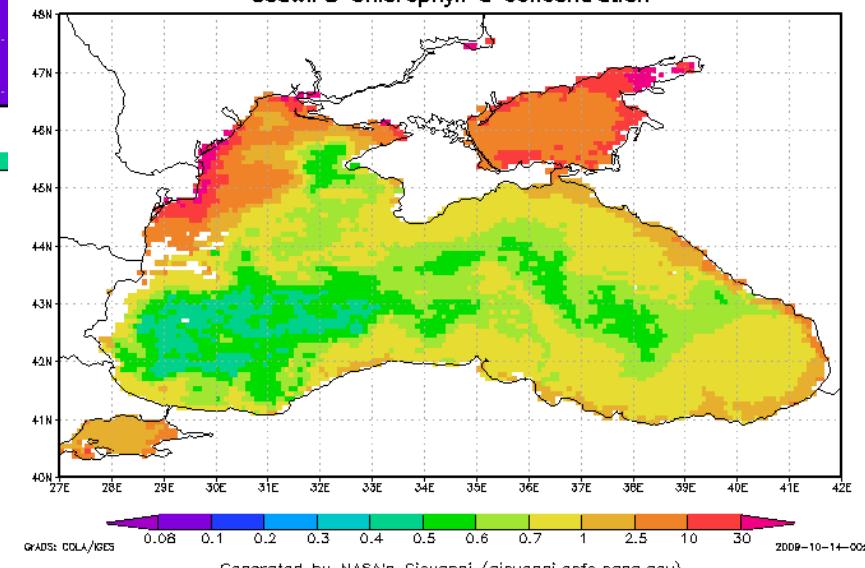
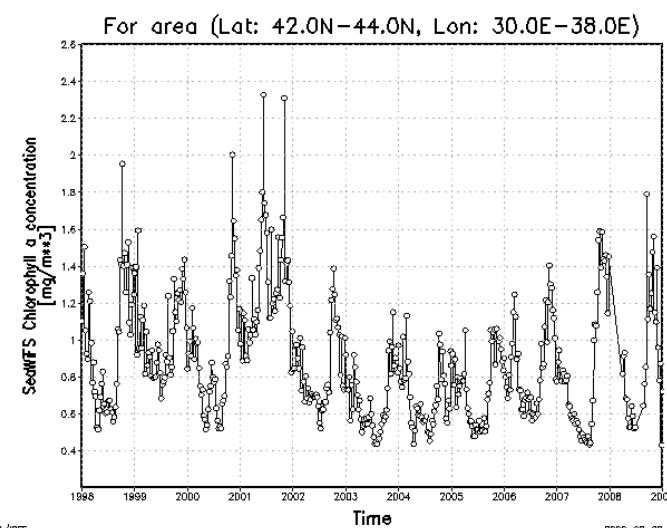
MATMNXRAD 5.2.0 Surface skin temperature [K]  
(Dec2008)



MATMNXFLX 5.2.0 Surface evaporation  
(Dec2008)



[mg/m<sup>2</sup>\*3] (01Jun2008–08Jun2008)  
SeaWiFS Chlorophyll a concentration



GRADS: COLA/IGES

Generated by NASA's Giovanni ([giovanni.gsfc.nasa.gov](http://giovanni.gsfc.nasa.gov))

Generated by NASA's Giovanni ([giovanni.gsfc.nasa.gov](http://giovanni.gsfc.nasa.gov))

2009-10-14-00:01

soprano - Mozilla Firefox

Файл Правка Вид Журнал Закладки Инструменты Справка

CLS http://soprano.cls.fr/ soprano cls

Яндекс @MAIL.RU: почта, но... Одноклассники.ru - ... В Контакте | Добро п... GISMETEO.RU: Прогн... http://www.auto.ru/ Новая закладка

CLS soprano

# SOPRANO SAR Ocean Products Demonstration

Home Level 2 Level 3 Fact sheets Contact

## OBJECTIVES

SOPRANO is a demonstration platform developed by the Radar Applications division of C.L.S. (former BOOST Technologies) to distribute CLS Level-2/3 ocean demo products processed from ESA L1 products.

SOPRANO aims at demonstrating the production of the Level-2/3 wind and wave products. Ocean current products are also displayed even if highly experimental. The Level-2 products are produced from the Envisat rolling archive in Near Real Time (NRT), so that the processed products are available on SOPRANO website within three hours of the availability of the source SAR data. Examples of potential Level-3 products obtained from the Level-2 database are presented. [Read more...](#)

## NEWS

2011/09/30 - Soprano is back

Soprano service is back with a new layout for the search of Levels 2 products

2011/09/01 - Soprano is in maintenance

Due to a server problem the dynamic part of this site is out of order. It will not be available until, at least, the end of the next week (2011/9/9)

2011/08/29 - Hurricane Irene

Hurricane Irene has been observed by ASAR on August 27th at 03:00:54 UTC & 15:19:06 UTC. The analysis of the Wave mode data depicts the propagating swell field across the Atlantic ocean. [Learn more...](#)

**LEVEL 2 PRODUCT**

Wind Wave Current

**LEVEL 3 PRODUCT**

Fireworks Winds Waves Currents

Copyright © 2009 CLS

EN 22:44 16.11.2011

Файл Правка Вид Журнал Закладки Инструменты Справка

http://soprano.cls.fr/L2/roughnessProducts/detail/904

En

soprano cls



Яндекс @MAIL.RU: почта, но... Одноклассники.ru - ... В Контакте | Добро п... GISMETEO.RU: Прогн... http://www.auto.ru/ Новая закладка

Catalog L1 SAR products

SOPRANO - Roughness L2 Product

SOPRANO - Roughness L2 Product



SOPRANO

SAR Ocean Products Demonstration



Home

Level 2

Level 3

Fact sheets

Contact

ASA\_WSM\_1PNPDE20111107\_075505\_00000923108\_00222\_50667\_7045

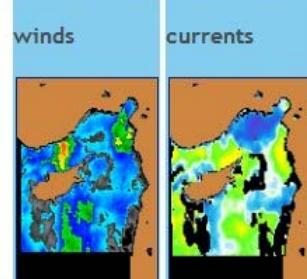
## Roughness product details



### Level 1 product details

processing center	PDHS-E
band	C
start time	07/11/2011 07:55:05 UTC
duration	91 sec
swath name	WS
polarization	VV
track angle	-167.871 deg
platform	ENVISAT
mode	Wide Swath Mode

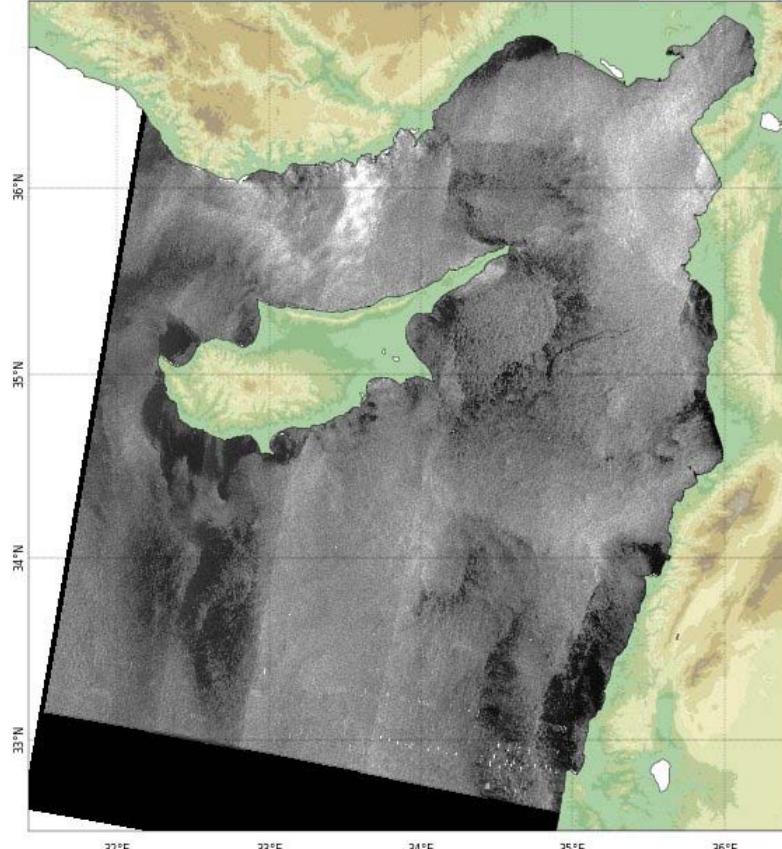
### Associated products



click on the image to view in full resolution

07-nov.-2011 07:55:49 (UTC)  
ENVISAT WSMProductSOPRANO  
esa

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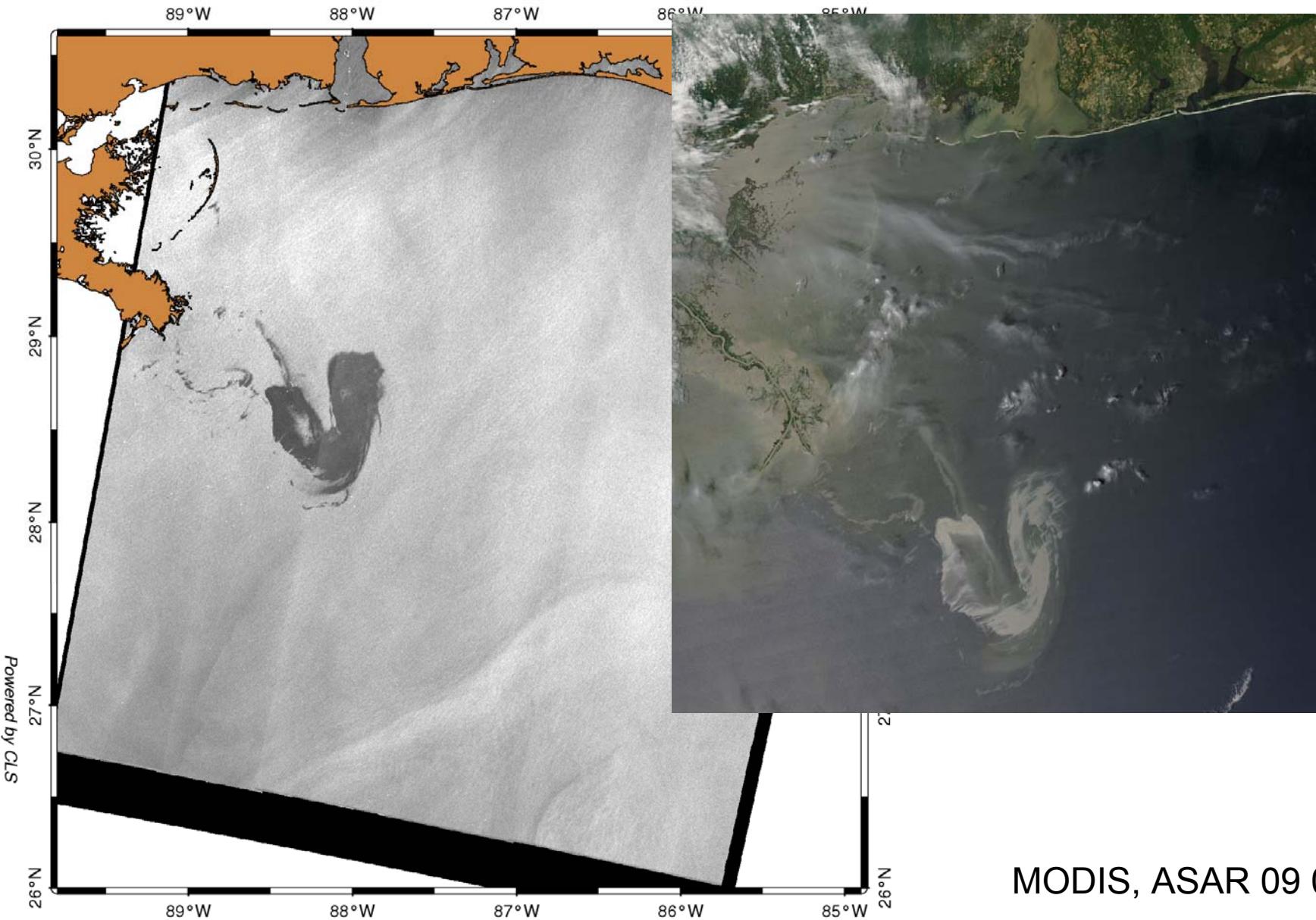


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16.11.2011

09-May-2010 15:49:53 (UTC)  
ENVISAT WSM Product

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MODIS, ASAR 09 05 2010

Rapid Response - LANCE - Mozilla Firefox

Файл Правка Вид Журнал Закладки Инструменты Справка

http://lance.nasa.gov/imagery/rapid-response/ rapidfire nasa

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Rapid Response - LANCE

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National Aeronautics and Space Administration LANCE

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## Rapid Response

Welcome to the new Rapid Response system, now part of NASA's Land Atmosphere Near Real-time Capability for EOS (LANCE). Rapid Response provides daily MODIS images in near real time presented by geographic regions ("subsets") or orbit overpass time ("realtime"). We are also developing an interactive Web Mapping Service (WMS) which includes imagery from MODIS and other instruments.

Contact [Jeff.Schmaltz@nasa.gov](mailto:Jeff.Schmaltz@nasa.gov) with any questions.

### Images

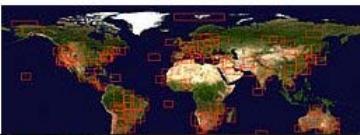
#### Web Mapping Service (WMS)

View and download imagery from a variety of EOS remote sensing products using the interactive Web Mapping Service (WMS). Multiple products from multiple instruments can be overlaid with population density data and administrative boundaries from the Socioeconomic Data and Applications Center (SEDAC). An Antarctic Polar WMS and an Arctic Polar WMS are available using the polar stereographic coordinate system to assist in viewing high/low latitude phenomena. NOTE: The WMS currently does not work with Internet Explorer. We are investigating this issue and hope to have it resolved soon.



#### Subsets

A large number of geo-rectified images across the world are available in GIS-compatible format. The subsets are user-specified and include most of the AERONET sunphotometer sites. To add additional



### Rapid Response

- Web Mapping Service (WMS)
- Subsets
- Near Real Time (Orbit Swath) Images
- Gallery
- Antarctica Mosaic
- Arctic Mosaic
- Global Fire Maps
- System Status
- Frequently Asked Questions (FAQ)

Subsets - LANCE - Mozilla Firefox

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Яндекс @MAIL.RU: почта, но... Одноклассники.ru

Subsets - LANCE

NASA Earth Data Data Discovery Data Center

NASA LANCE

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Rapid Response FIRMS

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## Subsets

### Projects

- [Aerosol Robotic Network \(AERONET\)](#)
- [USDA Foreign Agricultural Service](#)
- [Fire Information for Resource Management \(FIRMS\)](#)
- [Antarctica](#)
- [Arctic](#)
- [Other Subsets](#)

### Areas

- [North America](#)
- [South America](#)
- [Africa](#)
- [Europe](#)
- [Southeast Asia](#)

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http://lance-modis.eosdis.nasa.gov/imagery/subsets/?project=aeronet

Rapid Response - LANCE - Subsets

NASA Earth Data Data Discovery Data Centers Community Science Disciplines Search EOSDIS

## AERONET

Select a subset:

A list of AERONET subset locations:

- Abracos\_Hill
- Abu\_Al\_Bukhoosh
- Alta\_Floresta
- Ames
- Amsterdam\_Island
- Anmyon
- AntarcticaDomeC
- Appalachian\_State
- Arcachon
- Arica
- ARM\_Darwin
- Ascension\_Island
- ATHENS-NOA
- Aubiere\_LAMP
- Autilla
- Azores
- Bac\_Giang
- Bach\_Long\_Vy
- Bac\_Lieu
- Baergryung\_SuperSite
- BAHRAIN
- Bambej-ISRA
- Bandung
- Banizoumbou
- Barbados
- Barcelona
- Barailly
- Gageocho\_Station
- Gandhi\_College
- Georgia\_Tech
- Gloria
- Goldstone
- Gotland
- Granada
- GSFC
- Gual\_Pahari
- Guam
- Gustav\_Dalen\_Tower
- Gwangju\_K-JIST
- Halifax
- Hamburg
- Hamim
- Hangzhou-ZFU
- Heligoland
- Helsinki
- Hermosillo
- Hetauda
- HJAndrews
- Hong\_Kong\_PolyU
- Hornsund
- Howland
- Huvela
- IASBS
- ICIDE\_Mtba
- New\_Delhi
- NGHIA\_DO
- Niamey
- Nicelli\_Airport
- Ningbo
- OPAL
- Osaka
- Ouagadougou
- Oujda
- Oukaimeden
- Palma\_de\_Mallorca
- Panama\_BCI
- Pantnagar
- Paris
- PEARL
- Perth
- Petrolina SONDA
- Pickle\_Lake
- Pimai
- Pokhara
- Pretoria\_CSIR-DPSS
- Prospect\_Hill
- Pune
- Qiaodahu
- QOMS\_CAS
- Railroad\_Valley
- Red\_Mountain\_Pass

EN 22:14 16.11.2011

Rapid Response - LANCE - WMS - Mozilla Firefox

http://lance-modis.eosdis.nasa.gov/wms/

NASA Earth Data Data Discovery Data Centers Community Science Disciplines Search EOSDIS

**LANCE Web Mapping Service**

Date: 11/16/2011

Current Base Layer: Terra250m\_MODIS-bands1,4,3

**Image Download Options**

Resolution Selection  
Select One Below:

Select to Reselect a Smaller Area  
 Select to Download Image at Native Resolution  
 Select & Define a Different Image Resolution Below

Output Map Width(no. of pix)   
Output Map Height(no. of pix)

Output File Format Selection  
Choose One Format Below:

JPG  GEOTIFF  PNG

Submit Cancel

Основной слой

- Terra250m\_MODIS-bands1,4,3
- Terra250m\_MODIS-bands3,6,7
- Terra250m\_MODIS-bands7,2,1
- Aqua250m\_MODIS-bands1,4,3
- Aqua250m\_MODIS-bands7,2,1

Слои

- SEDAC gpw-v3 Population Density
- Terra250m\_MODIS-bands1,4,3
- Fires Last 24 Hours
- Fires Last 48 Hours
- Countries

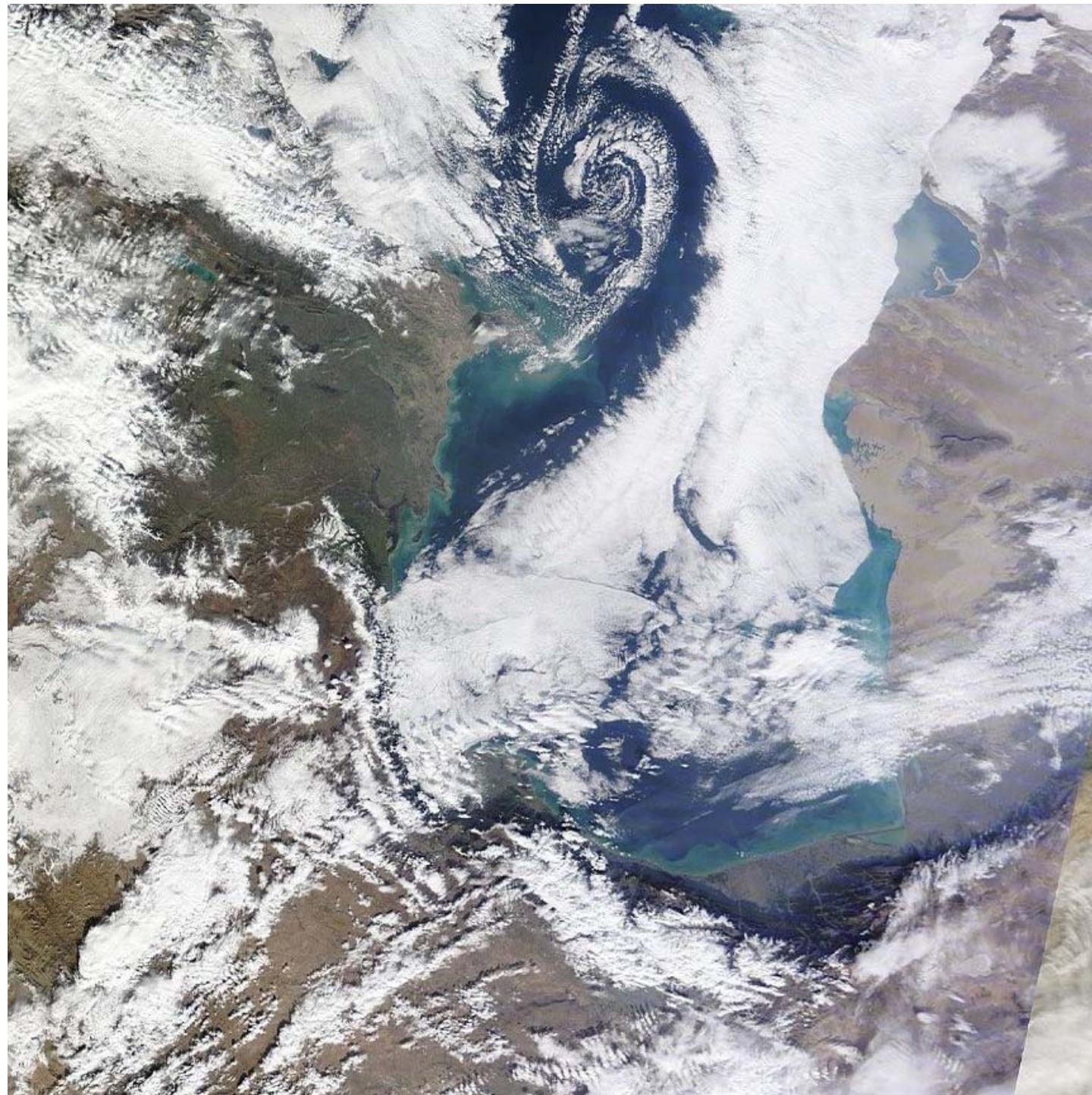
Overview Map >>

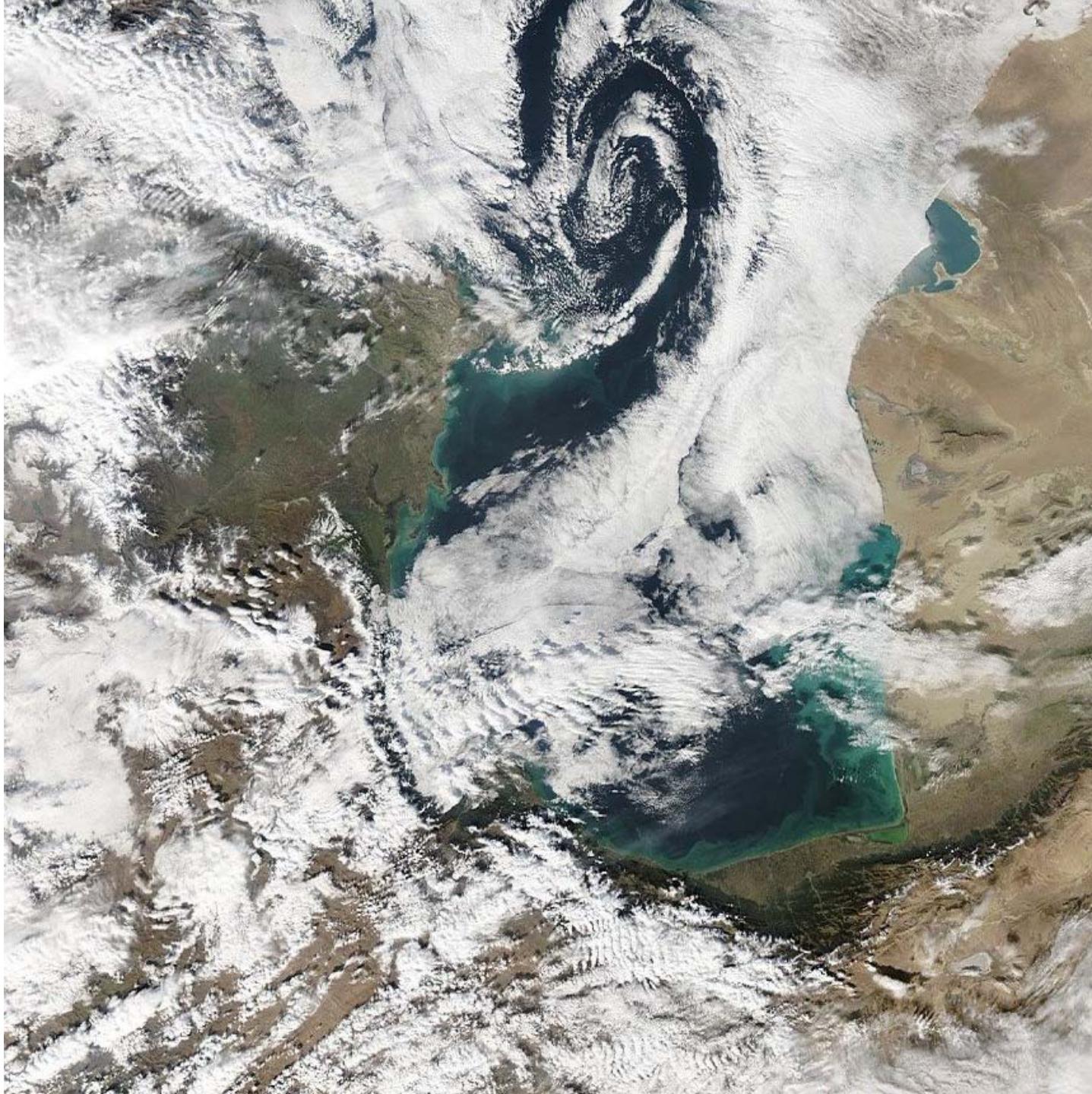
Mouse Position(lon/x,lat/y): 15.90253, 42.79980

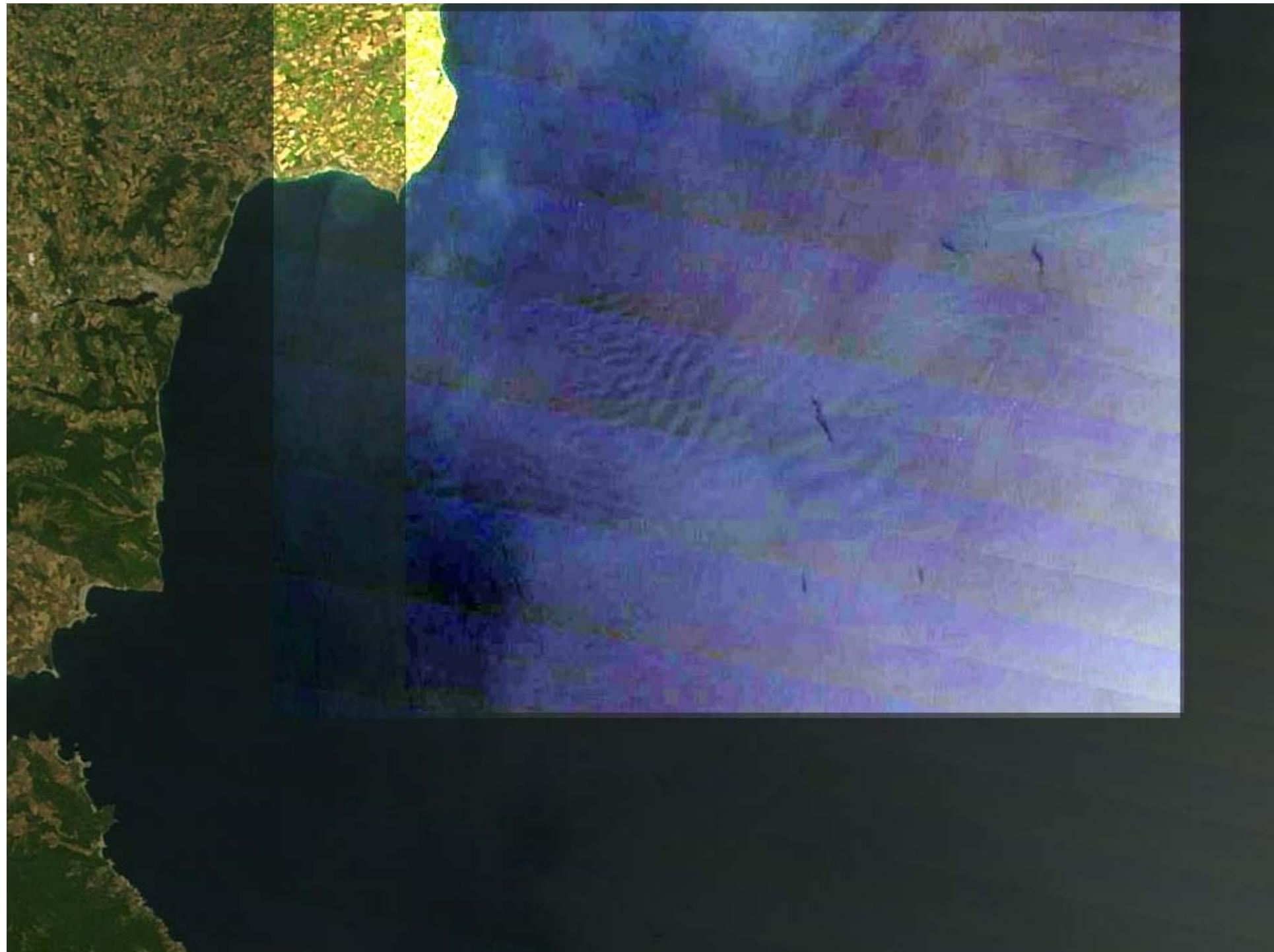
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Pop.Dens. Layer Opacity: << 0.9 >>

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# The Enhanced Thematic Mapper Plus

The Enhanced Thematic Mapper Plus (ETM+) instrument is a fixed "whisk-broom", eight-band, multispectral scanning radiometer capable of providing high-resolution imaging information of the Earth's surface. It detects spectrally-filtered radiation in VNIR, SWIR, LWIR and panchromatic bands from the sun-lit Earth in a 183 km wide swath when orbiting at an altitude of 705 km.

The primary new features on Landsat 7 are a panchromatic band with 15 m spatial resolution, an on-board full aperture solar calibrator, 5% absolute radiometric calibration and a thermal IR channel with a four-fold improvement in spatial resolution over TM.

Landsat 7 collects data in accordance with the World Wide Reference System 2, which has catalogued the world's land mass into 57,784 scenes, each 183 km wide by 170 km long. The ETM+ produces approximately 3.8 gigabits of data for each scene. An ETM+ scene has an Instantaneous Field Of View (IFOV) of 30 meters in bands 1-5 and 7 while band 6 has an IFOV of 60 meters on the ground and the band 8 an IFOV of 15 meters. Please visit the L7 Science Data Users Handbook for a detailed description of ETM+ spatial characteristics.

## ETM+ Bands

Band Number	μm	Resolution
1	0.45-0.515	30 m
2	0.525-0.605	30 m
3	0.63-0.69	30 m
4	0.75-0.90	30 m
5	1.55-1.75	30 m
6	10.4-12.5	60 m
7	2.09-2.35	30 m
8	0.52-0.9	15 m

## ETM+ TECHNICAL SPECIFICATIONS

Sensor type: opto-mechanical  
Spatial Resolution: 30 m (60 m - thermal, 15-m pan)  
Spectral Range: 0.45 - 12.5 μm  
Number of Bands: 8  
Temporal Resolution: 16 days  
Image Size: 183 km X 170 km

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Select a collection, then click on the Global Locator Map to view satellite browse images in that area.

Select Collection

Latitude  Longitude

Done

http://glovis.usgs.gov/ImgViewer/Java2ImgViewer.html?limitMissions=FALSE&mission=LANDSAT . glovis.usgs.gov

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WRS-2 Path /Row: 188 34 Go

Lat/Long: 37.5 15.4 Go

Max Cloud: 100% ↕ ↑ ↓ ↖ ↘

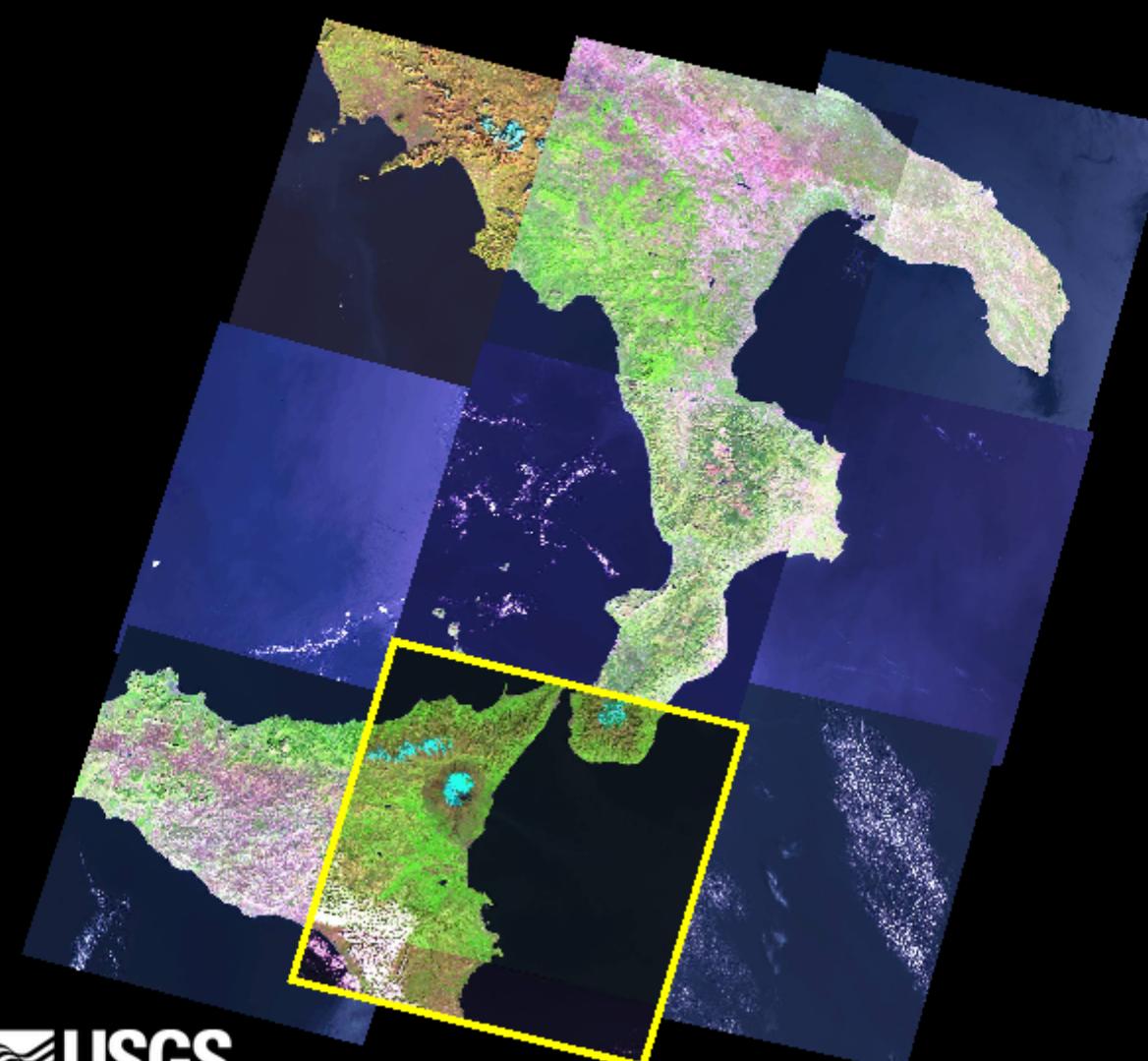
Scene Information:  
ID: LE71880342000064SGS00  
Cloud Cover: 2% Qty: 9  
Date: 2000/3/4

Mar 2000 Go

Prev Scene Next Scene

L7 SLC-on (1999-2003) List  
LE71830322003085SGS00

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Enter User Name:

Enter Password:

**Sign In -->**

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**Cancel** and continue using this site without signing on or registering.

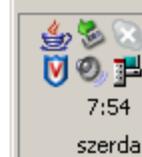
Accessibility FOIA Privacy Policies and Notices

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: http://earthexplorer.usgs.gov/

Contact Information: [custserv@usgs.gov](mailto:custserv@usgs.gov)

Last Modified: March 31, 2009



7:54

szerda

<http://glcfapp.umiacs.umd.edu:8080/esdi/index.jsp>

Global Land Cover Facility  
Earth Science Data Interface

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## Welcome to the Earth Science Data Interface (ESDI) at the Global Land Cover Facility

The Earth Science Data Interface is the GLCF's web application for searching, browsing, and downloading data from our online holdings. To start, click on one of the images below:



### Tips:

- If you are looking for Landsat data, use the [Path/Row Search](#) if you know the paths and rows for your area of interest. You can also use the [Map Search](#) to browse and query using an interactive map. You must use the Map Search when looking for Landsat Mosaics.
- If you are looking for any of our MODIS or AVHRR derived products or other hosted products, use the [Product Search](#). Browse and query these data by supplying parameters through a simple interface. This method is much easier than using the Map Search.

### Other Links:

- [\*\*Help Us Help You!\*\*](#)
- ESDI Documentation: [Table Of Contents](#), [Map Search Topic](#), [Differences from ESDI Version 1](#)
- [Direct Access to FTP Servers](#)
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