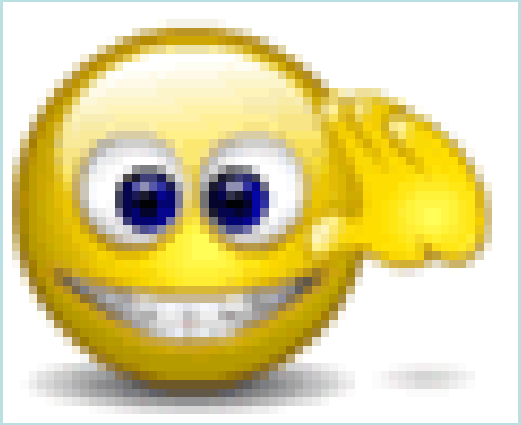
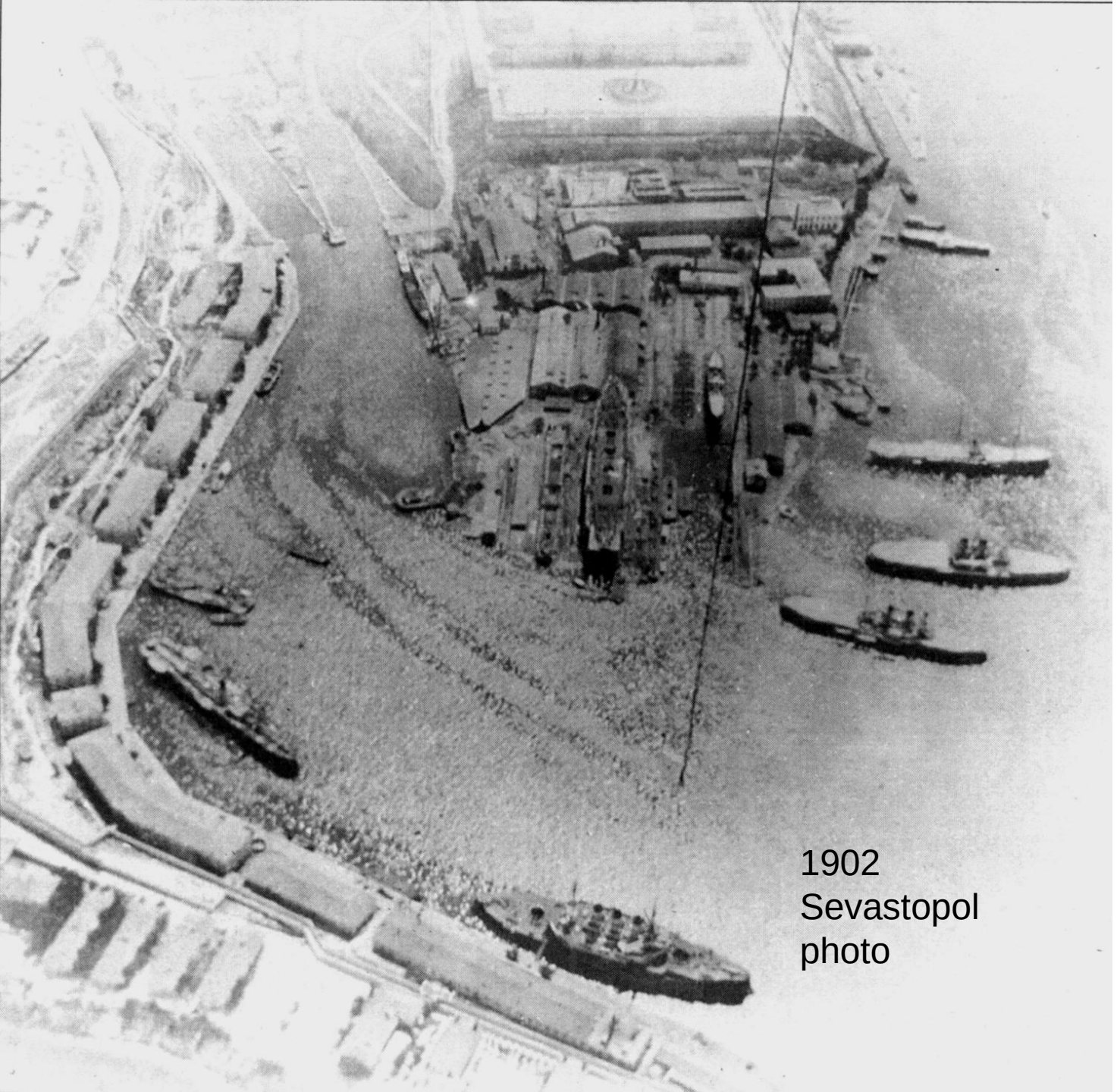
Internet archives for satellite data

2014





1902
Sevastopol
photo

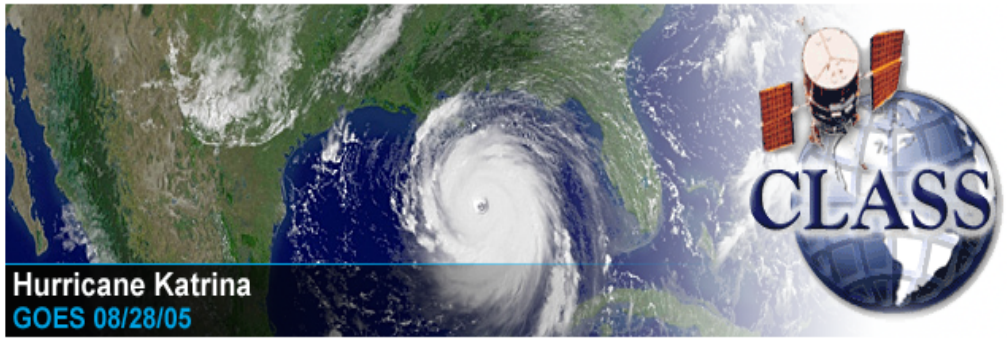
Oil spill detection by
remote sensing,
probably the first
Image with oil pollution
manifestation in optics

NOAA COMPREHENSIVE LARGE ARRAY-DATA STEWARDSHIP SYSTEM (CLASS)

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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

Please select a product to search » GO



NEWS

NOAA Prepares for NPP!:
Improving U.S. weather forecast accuracy from space. For details click here.

For users with authorized NPP data access:
1.) Create a CLASS account.
2.) Submit a request for access to NPP test data to CLASS Help Desk.
3.) Be sure to log into CLASS before ordering.
4.) Enter the correct period of record for the data (see dates below).

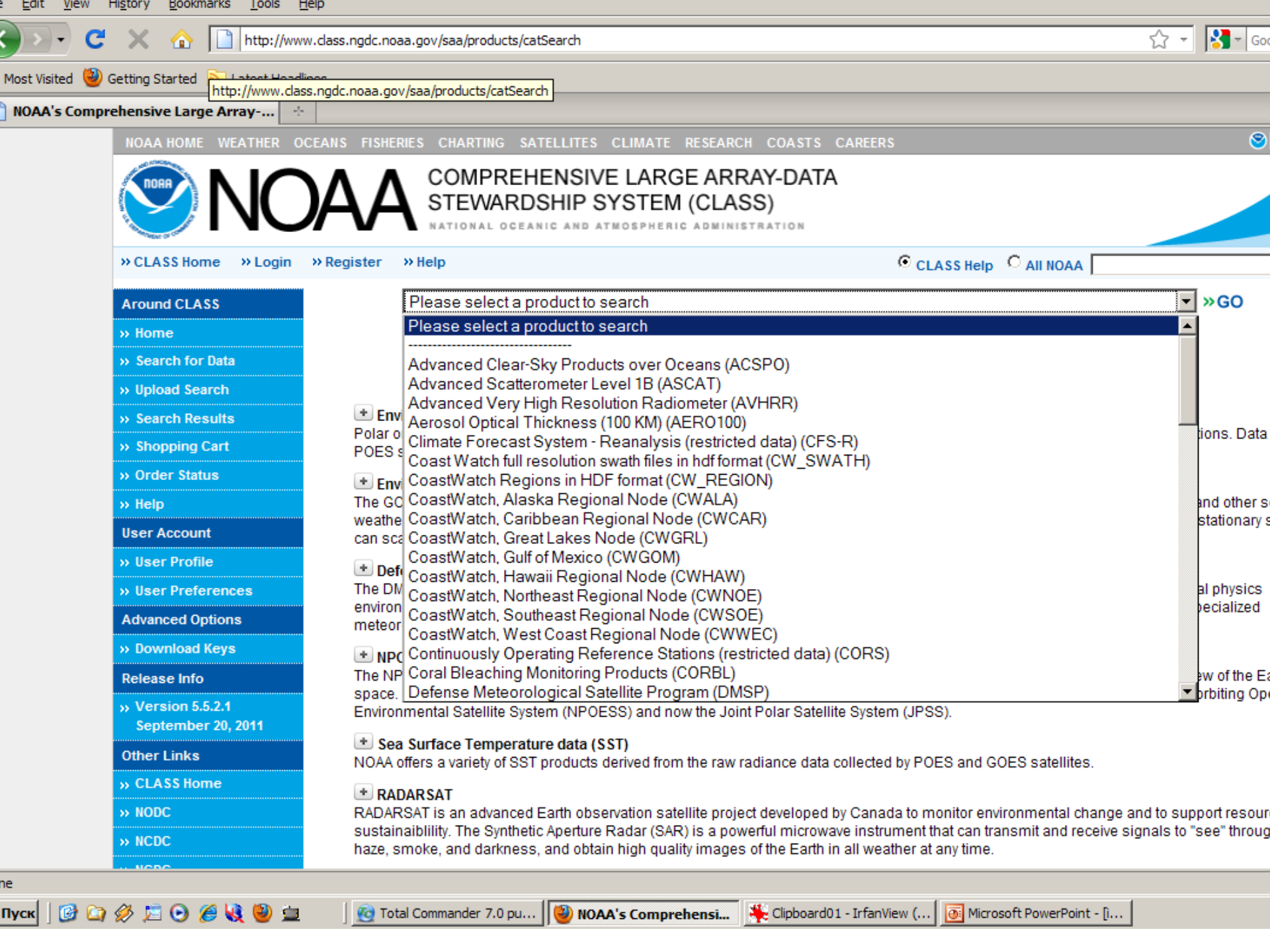
The NPP test data period of records
2010 Sep 05 - 2010 Sep 19
2011 Apr 17 - 2011 Apr 22
2011 Jul 20 - 2011 Jul 21

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

» GO


Edit View History Bookmarks Tools Help
http://www.class.ngdc.noaa.gov/saa/products/catSearch
Most Visited Getting Started
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
NOAA
COMPREHENSIVE LARGE ARRAY-DATA STEWARDSHIP SYSTEM (CLASS)
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
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CLASS Help All NOAA
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» 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
Please select a product to search
» GO
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 resour
sustainaiblility. The Synthetic Aperture Radar (SAR) is a powerful microwave instrument that can transmit and receive signals to "see" throug
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 Comprehensi...
Clipboard01 - IrfanView (...
Microsoft PowerPoint - [i...

PO.DAAC - Mozilla Firefox

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

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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: Enter Dataset Keyword | Go

All NASA Datasets Search **WIST** powered by ECHO

AQUARIUS/SAC-D MISSION

Aquarius Level 2 salinity data now available

> MORE

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PROTOCOLS
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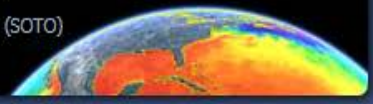
SUBSETTING
Dataminer | POET

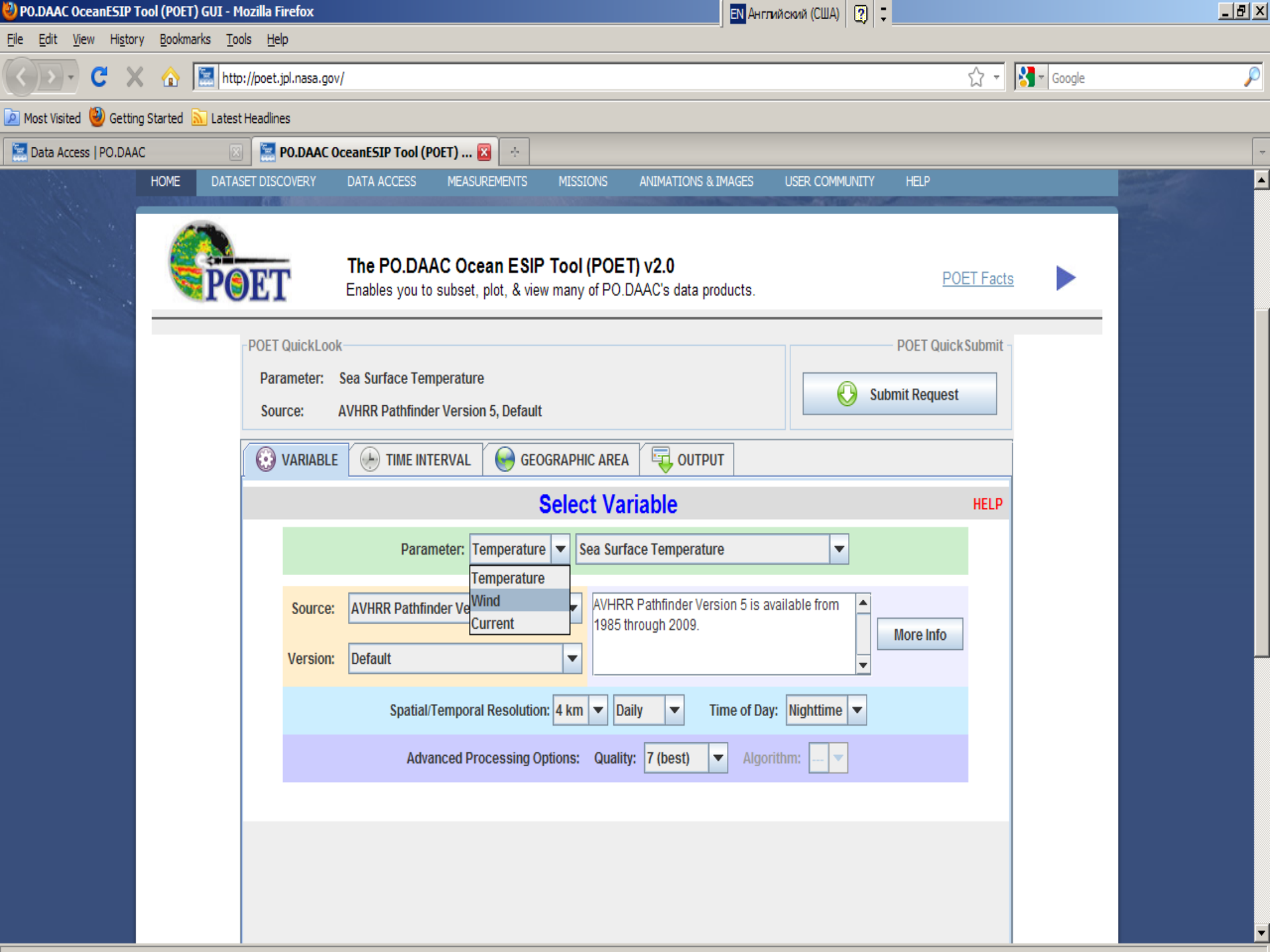
EXPLORE NEW IDEAS & PROTOTYPES
PO.DAAC LABS

VISUALIZATION
State of the Ocean (SOTO)



ANIMATION & IMAGES

Done


PO.DAAC OceanESIP Tool (POET) GUI - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://poet.jpl.nasa.gov/
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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
POET
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
HELP
Parameter: Temperature
Sea Surface Temperature
Temperature
Wind
Current
Source: AVHRR Pathfinder Ve
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 LAS v7.3

thredds.jpl.nasa.gov/las/getUI.do

Google | rrsta52 | SOFT | Телепрограмма « Т... | Форум рыбаков кр... | Кто есть кто - публ... | Главная страница •... | ABBYY Lingvo Onlin... | Прогноз погоды: С...

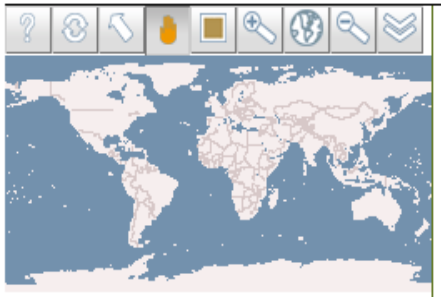
Live Access Server | About LAS

Help

OPeNDAP (F-TDS) / THREDDS

PO.DAAC LAS v7.3

Choose dataset | Update Plot | Set plot options | Animate | Compare | Google Earth | Show Values | Export to Desktop Application | Save As ... | Link To ... | Print



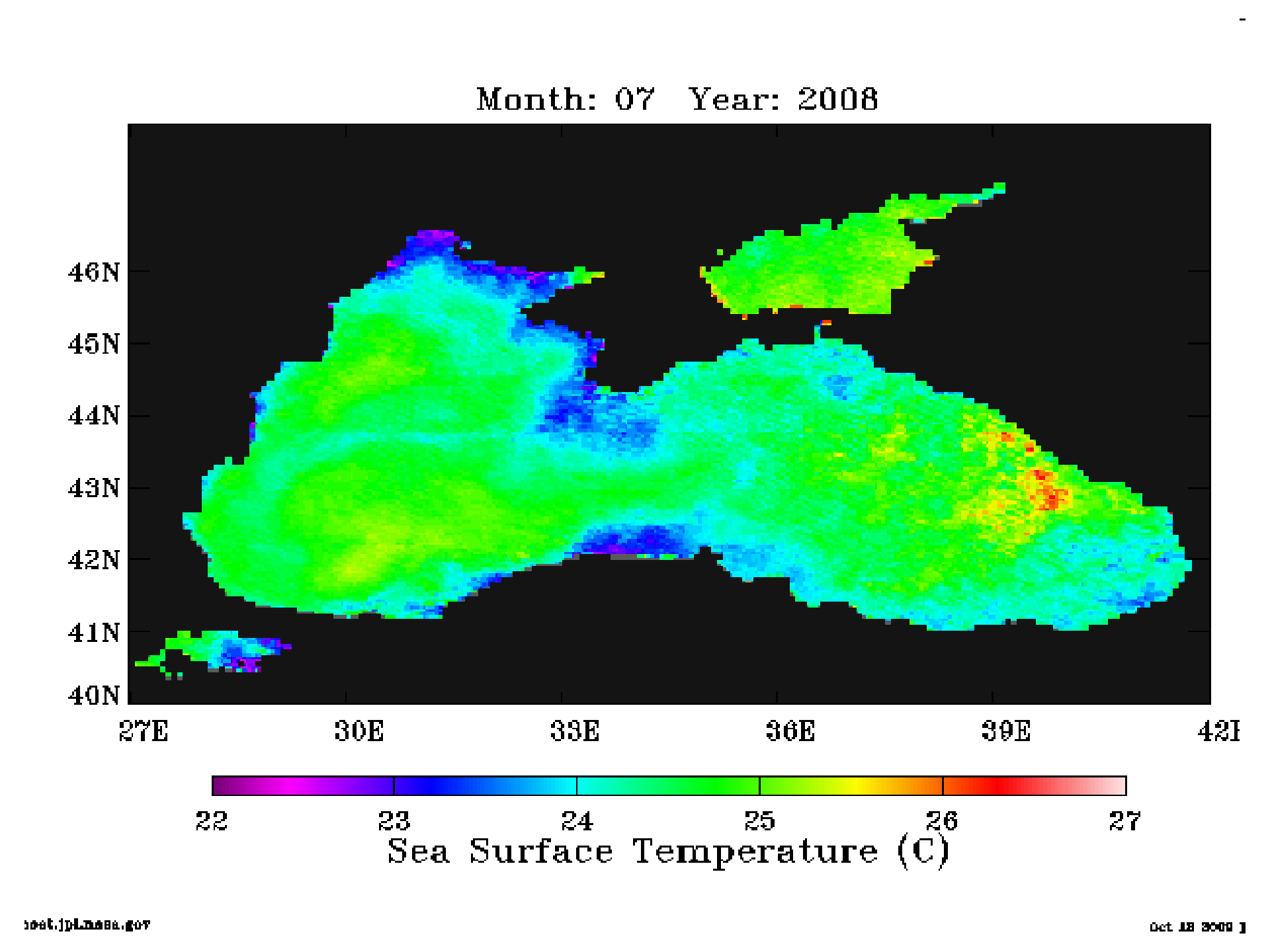
Physical Oceanography DAAC
Live Access Server
To begin, click the "Choose dataset" butt

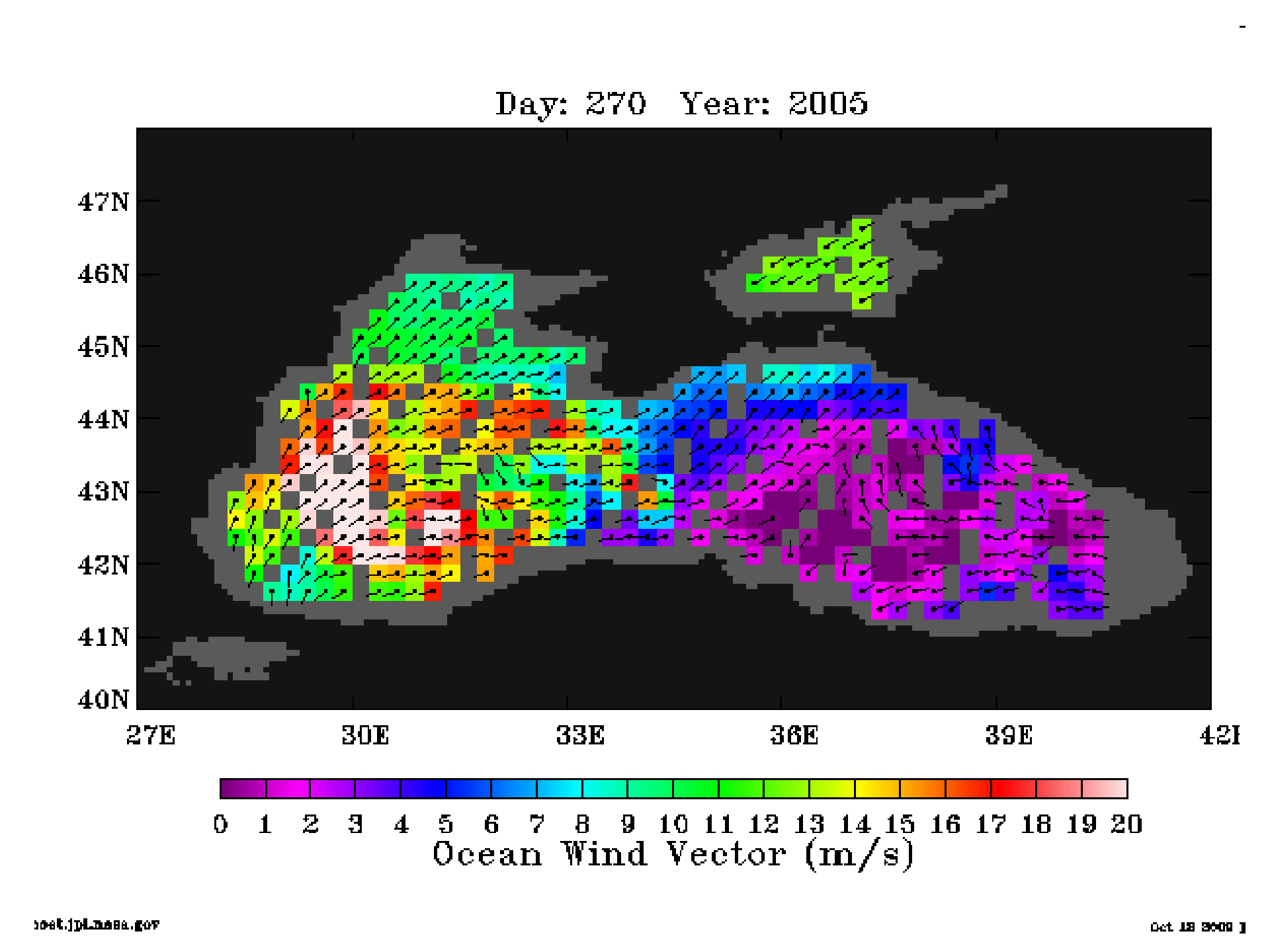
Close

Select a dataset category.

- Chlorophyll
- Climate Intercomparison
- Gravity
- Ocean Surface Currents
- Ocean Surface Topography
- Ocean Temperature
- Ocean Winds
- Sea Surface Salinity

Игры | PO.DAAC LAS... | Total Comma... | Буфер обмен...


Month: 07 Year: 2008
46N
45N
44N
43N
42N
41N
40N
27E
30E
33E
36E
39E
42E
22
23
24
25
26
27
Sea Surface Temperature (C)


Day: 270 Year: 2005
47N
46N
45N
44N
43N
42N
41N
40N
27E
30E
33E
36E
39E
42E
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Ocean Wind Vector (m/s)

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).

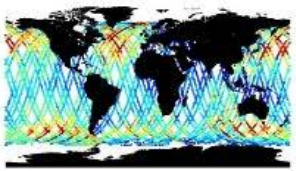
Sort By Popularity (All Time)

Enter Dataset Keyword

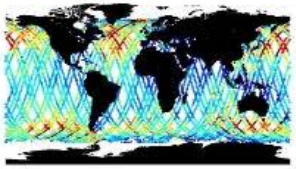
Need help selecting a dataset?
Contact a PO.DAAC Data Engineer

Prev 1 2 3 Next

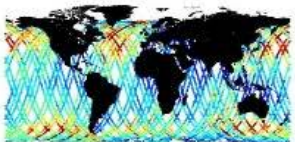
To learn more about Sea Surface Topography, please visit this page.

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

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:

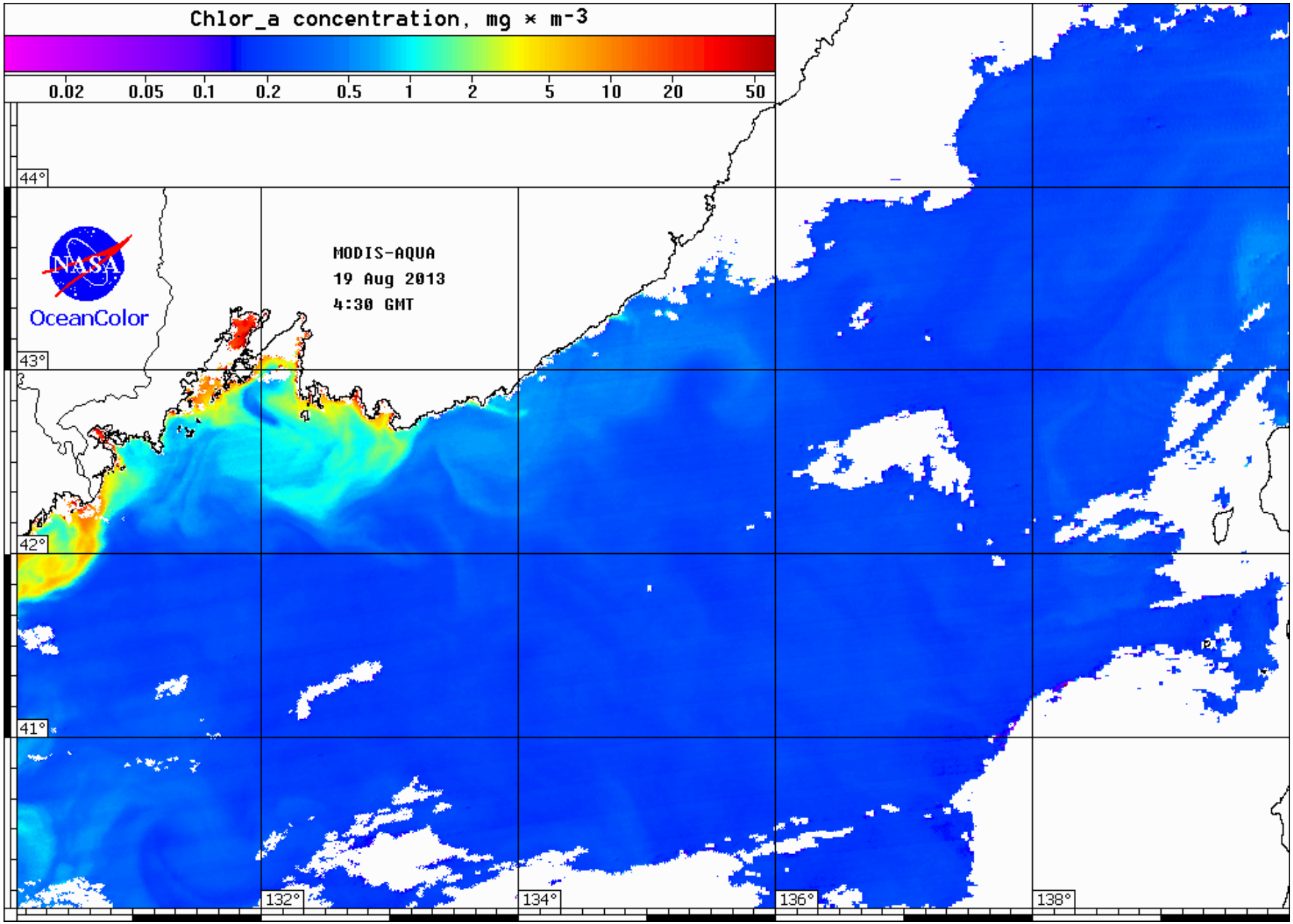
- NRT Data Subscriptions
  Subscriptions allow users to specify regions for NRT data to be continually staged on our FTP server for download.

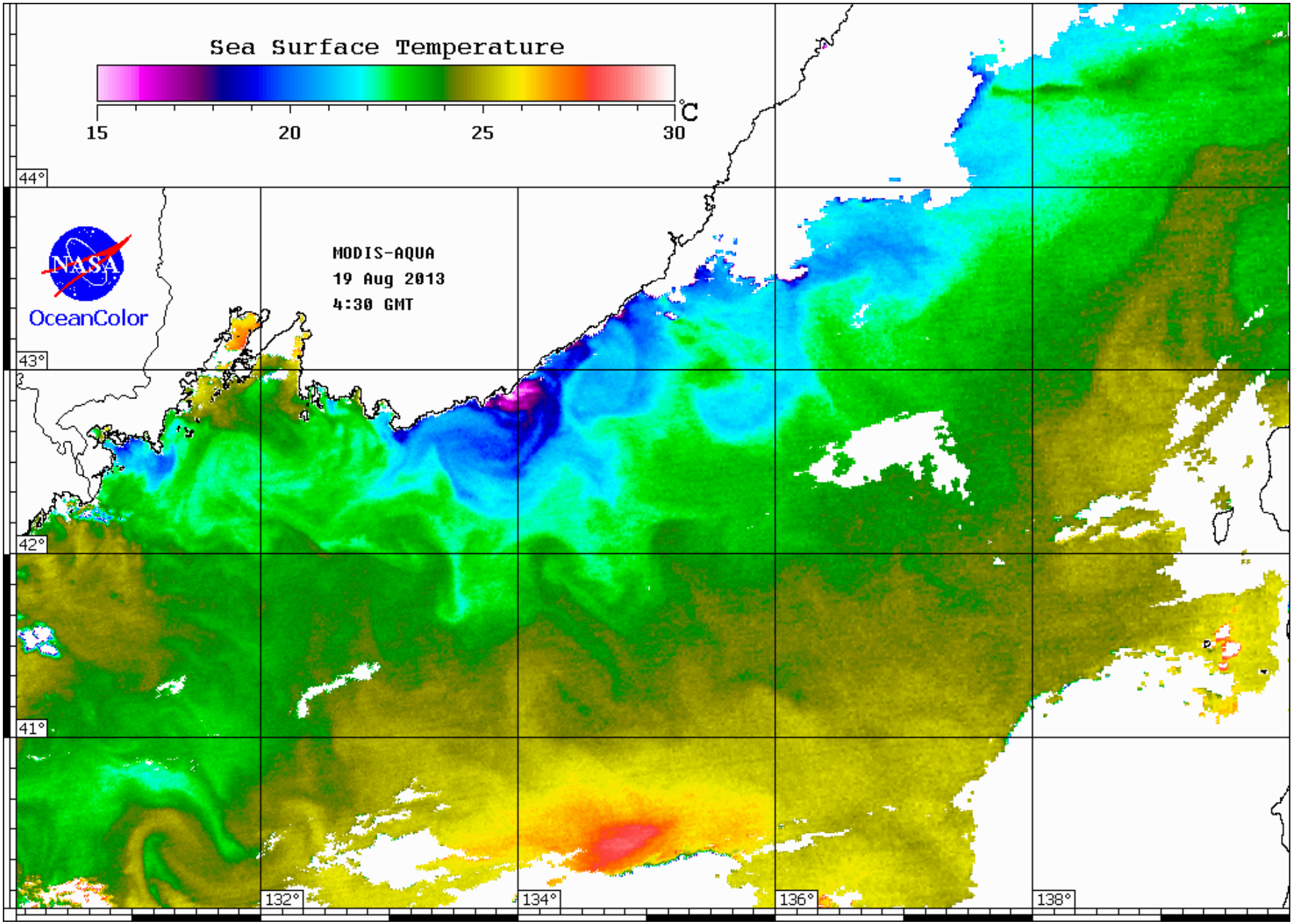
Information Services:

- 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.


Chlor_a concentration, mg * m-3
0.02
0.05
0.1
0.2
0.5
1
2
5
10
20
50
NASA
OceanColor
MODIS-AQUA
19 Aug 2013
4:30 GMT
44°
43°
42°
41°
132°
134°
136°
138°


Sea Surface Temperature
15
20
25
30
°C
NASA
OceanColor
MODIS-AQUA
19 Aug 2013
4:30 GMT
44°
43°
42°
41°
132°
134°
136°
138°

Aqua MODIS Daily Chlorophyll concentration - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://oceancolor.gsfc.nasa.gov/cgi/l3

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Aqua MODIS Daily Chlorophyll conce...

Aqua MODIS Chlorophyll concentration

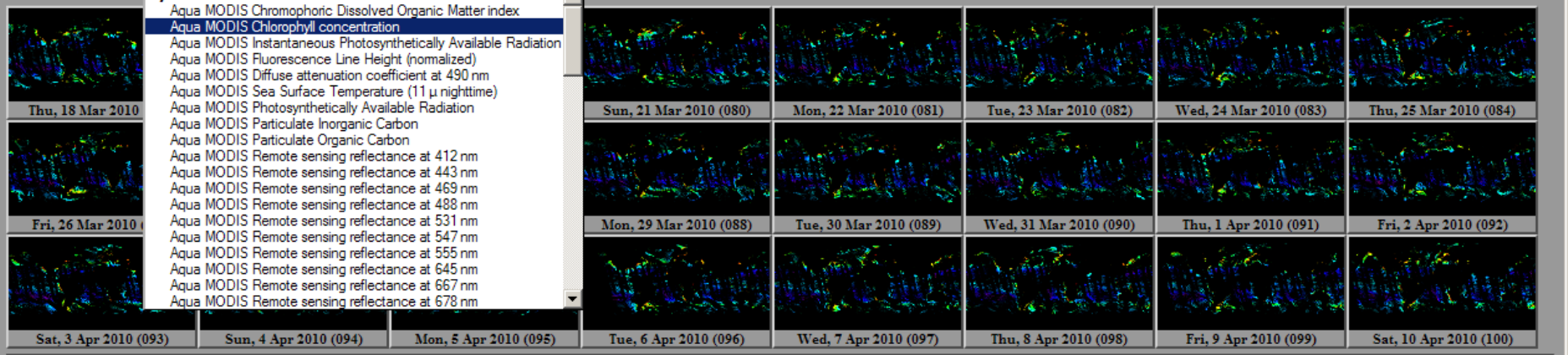
Daily

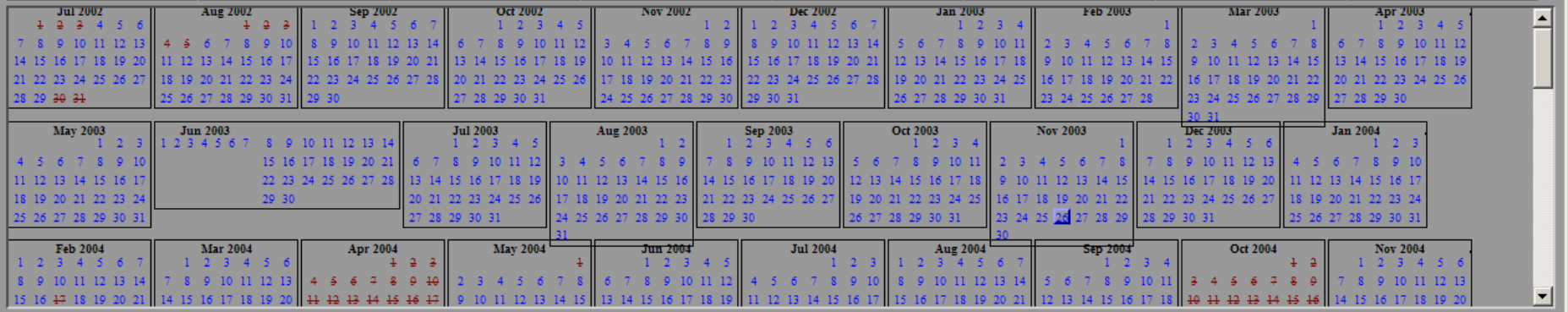
4 km

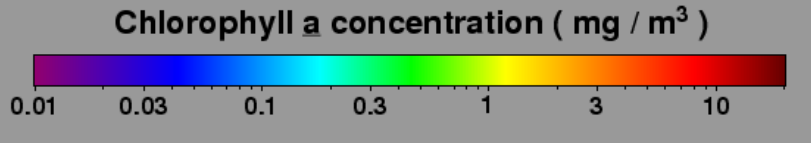
24 thumbnails

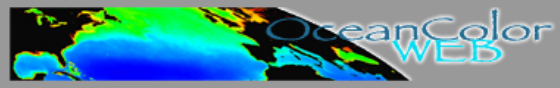
Aqua MODIS

- Aqua MODIS Chromophoric Dissolved Organic Matter index
- Aqua MODIS Chlorophyll concentration
- Aqua MODIS Instantaneous Photosynthetically Available Radiation
- Aqua MODIS Fluorescence Line Height (normalized)
- Aqua MODIS Diffuse attenuation coefficient at 490 nm
- Aqua MODIS Sea Surface Temperature (11 µ nighttime)
- Aqua MODIS Photosynthetically Available Radiation
- Aqua MODIS Particulate Inorganic Carbon
- Aqua MODIS Particulate Organic Carbon
- Aqua MODIS Remote sensing reflectance at 412 nm
- Aqua MODIS Remote sensing reflectance at 443 nm
- Aqua MODIS Remote sensing reflectance at 469 nm
- Aqua MODIS Remote sensing reflectance at 488 nm
- Aqua MODIS Remote sensing reflectance at 531 nm
- Aqua MODIS Remote sensing reflectance at 547 nm
- Aqua MODIS Remote sensing reflectance at 555 nm
- Aqua MODIS Remote sensing reflectance at 645 nm
- Aqua MODIS Remote sensing reflectance at 667 nm
- Aqua MODIS Remote sensing reflectance at 678 nm

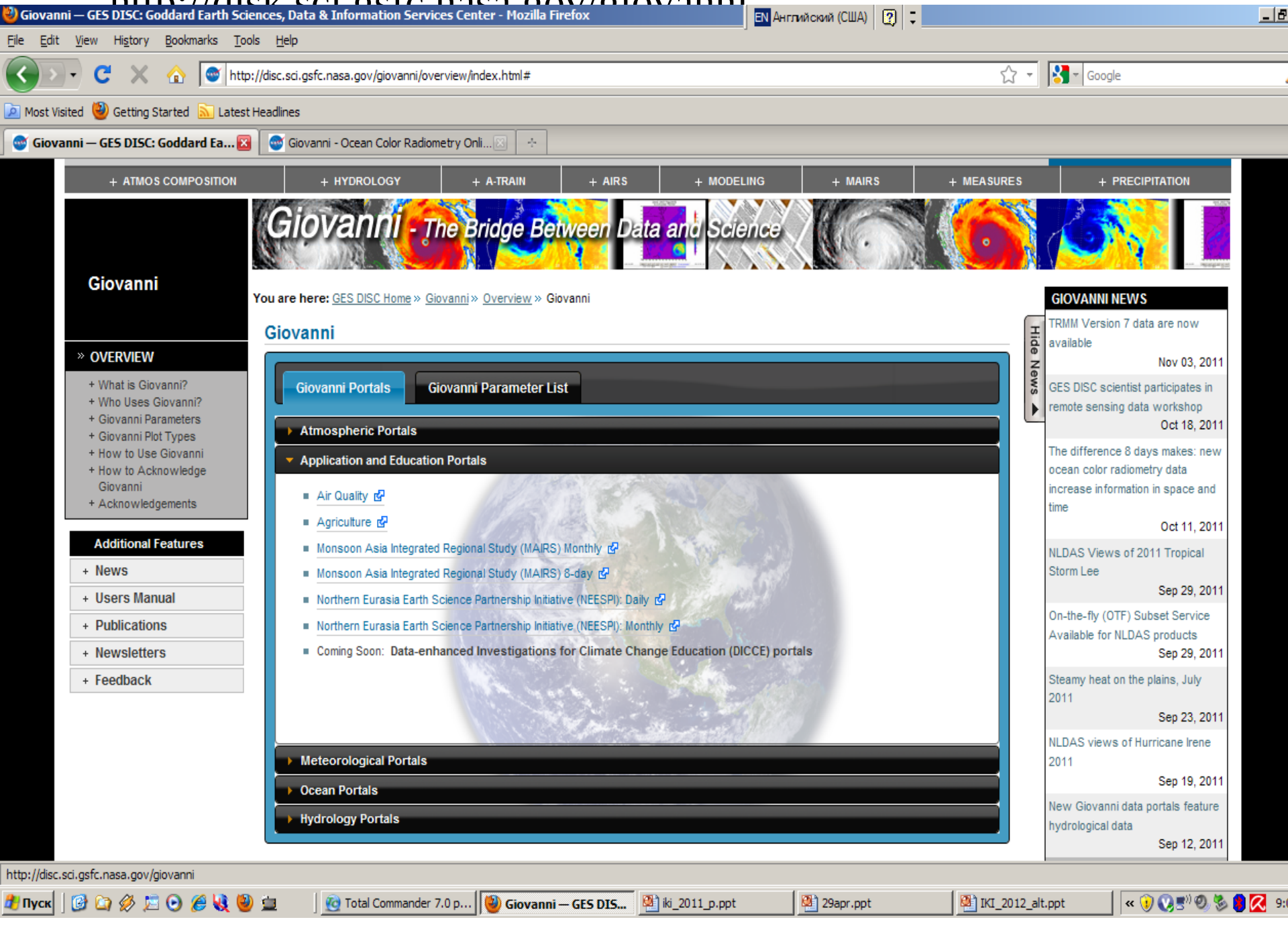








http://disk.sci.gsfc.nasa.gov/giovanni



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

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http://gdata1.sci.gsfc.nasa.gov/daac-bin/G3/gui.cgi?instance_id=ocean_month

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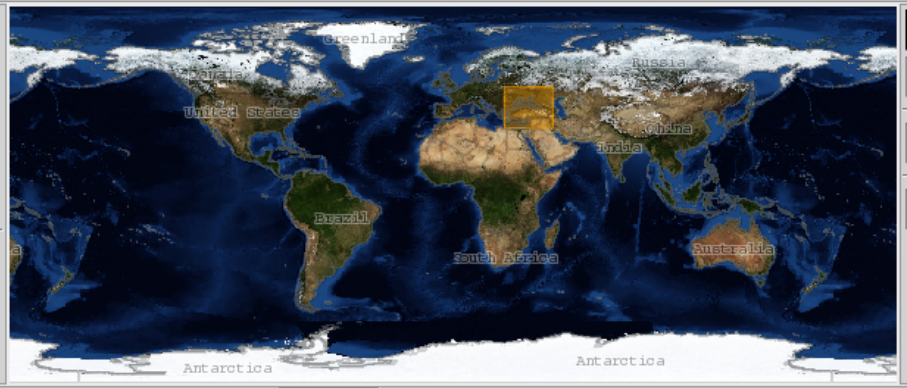
Giovanni - Ocean Color Radiometry ...

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)

Angstrom coefficient	SWFMO_angstrom.R2009	SeaWiFS	1997/09 - 2010/03
Chlorophyll a concentration	SWFMO_CHLO.R2009	SeaWiFS	1997/09 - 2010/03
Colored Disolved Organic Matter (CDOM) Index	SWFMO_CDOM.R2009	SeaWiFS	1997/09 - 2010/03
Diffuse attenuation coefficient at 490 nm	SWFMO_K490.R2009	SeaWiFS	1997/09 - 2010/03
Particulate Inorganic Carbon	SWFMO_PIC.R2009	SeaWiFS	1997/09 - 2010/03
Particulate Organic Carbon	SWFMO_POC.R2009	SeaWiFS	1997/09 - 2010/03
Photosynthetically Available Radiation	SWFMO_PAR.R2009	SeaWiFS	1997/09 - 2010/03

SeaWiFS.R5.2(1997/09/01 - 2009/07/01)

Parameter	Data Product Info		
Aerosol optical thickness at 865 nm	SWFMOT865.005	SeaWiFS	1997/09 - 2009/07
Angstrom coefficient 510 to 865 nm	SWFMOA510.005	SeaWiFS	1997/09 - 2009/07
Chlorophyll a concentration	SWFMOCHLO.005	SeaWiFS	1997/09 - 2009/07
Diffuse attenuation coefficient at 490 nm	SWFMOK490.005	SeaWiFS	1997/09 - 2009/07
Epsilon of aerosol correction at 765 and 865 nm	SWFMOEPS78.005	SeaWiFS	1997/09 - 2009/07
Normalized water leaving radiance at 412 nm	SWFMOL412.005	SeaWiFS	1997/09 - 2009/07

MODIS-Aqua.R1.1(2002/07/01 - 2010/03/01)

Parameter	Data Product Info		
Aerosol optical thickness at 869 nm	MAMOT869.001	MODIS-Aqua	2002/07 - 2010/01
Angstrom coefficient 531 to 869 nm	MAMOA531.001	MODIS-Aqua	2002/07 - 2010/01
Chlorophyll a concentration	MAMOCHLO.001	MODIS-Aqua	2002/07 - 2010/01

Giovanni - Giovanni Ocean Color Radiometry 8-day Data Product Visualization - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://gdata1.sci.gsfc.nasa.gov/daac-bin/G3/gui.cgi?instance_id=ocean_8day

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Giovanni - Giovanni Ocean Color Radi...

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Giovanni Ocean Color Radiometry 8-day Data Product Visualization

8-day temporal resolution data products from SeaWiFS and MODIS

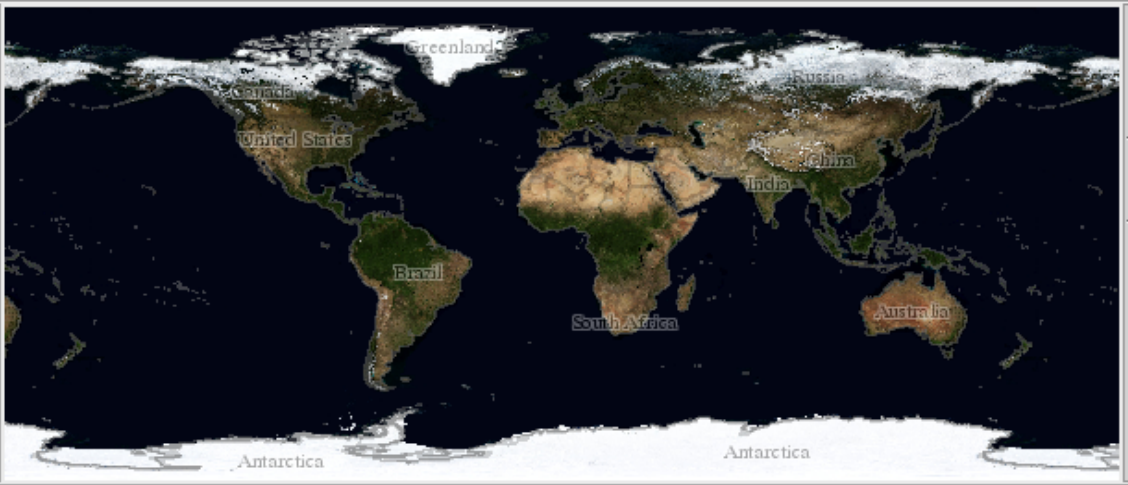
Home

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



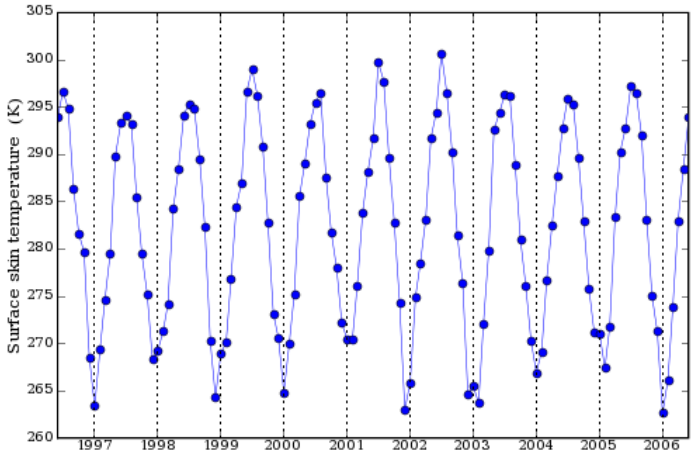
Area of Interest: West: -180 North: 90 South: -90 East: 180 Update Map

Parameters

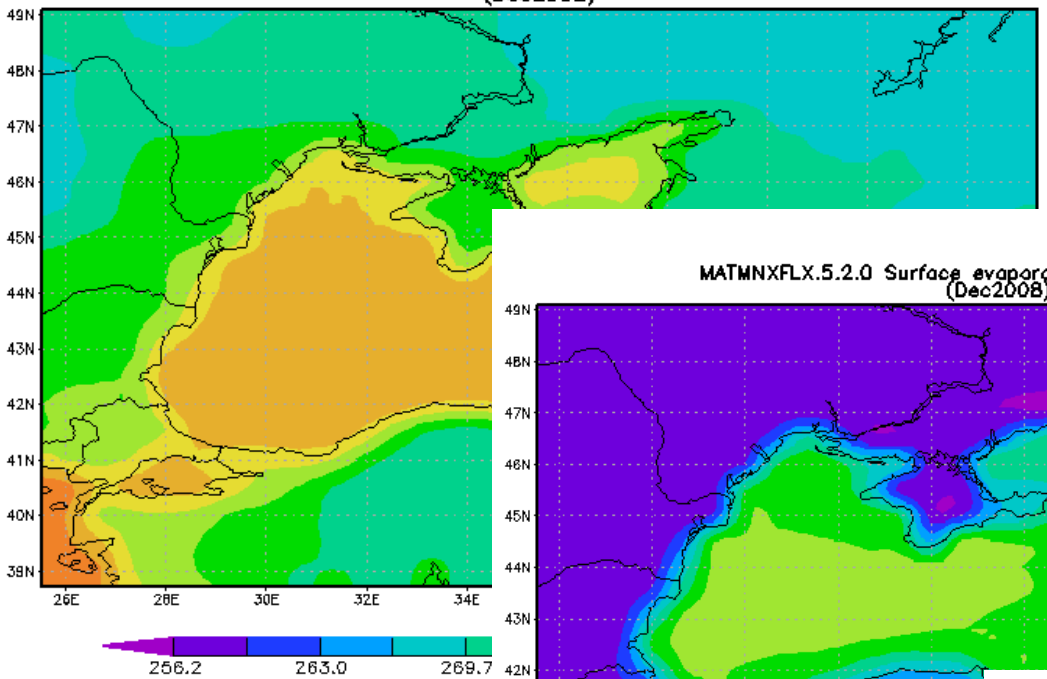
Display: Data Product Info Units

Done

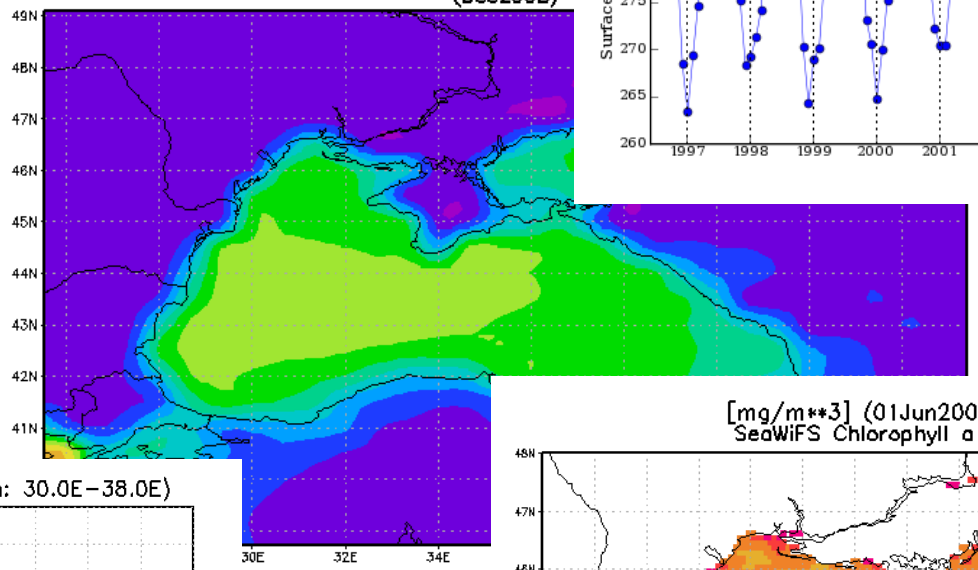
Area-Averaged Time Series (MATMNXRAD.5.2.0)
(Region: 30E-32E, 46N-50N)



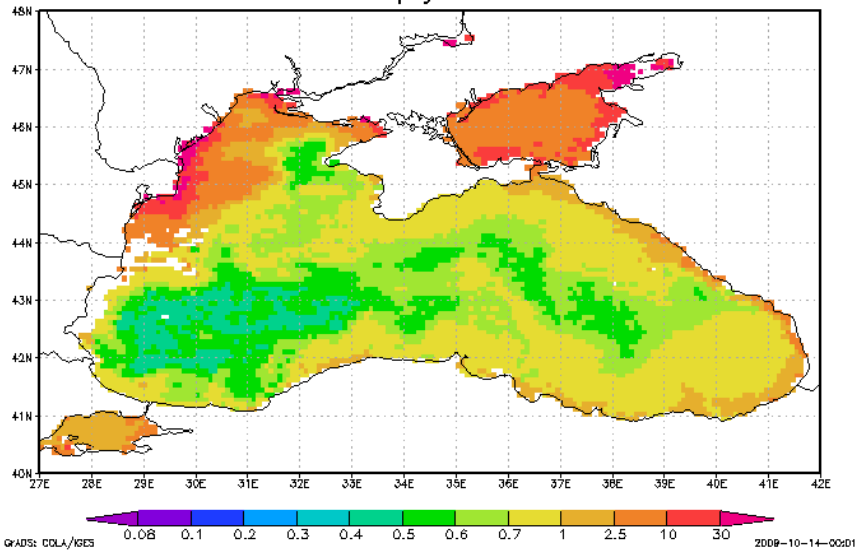
MATMNXRAD.5.2.0 Surface skin temperature [K]
(Dec2008)



MATMNXFLX.5.2.0 Surface evaporati
(Dec2008)

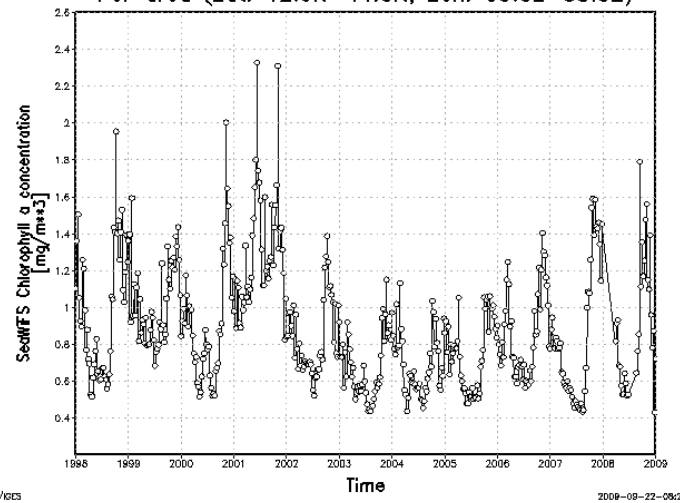


[mg/m**3] (01Jun2008-08Jun2008)
SeaWiFS Chlorophyll a concentration



Generated by NASA's Giovanni (giovanni.gsfc.nasa.gov)

For area (Lat: 42.0N-44.0N, Lon: 30.0E-38.0E)



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CLS COLLECTE LOCALISATION SATELLITES

SOPRANO SAR Ocean Products Demonstration

esa

ASA_WSM_1PNPDE20111107_075505_000000923108_00222_50667_7045

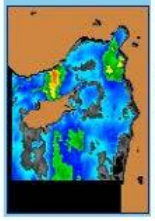
Roughness product details

Level 1 product details

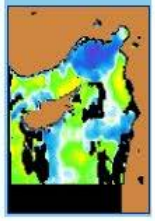
processing center	PDHS-E
band	C
start time	07/11/2011 07:55:05 UTC
duration	91 sec
swath name	WS
polarization	VV
track angle	-167.871 deg
plateform	ENVISAT
mode	Wide Swath Mode

Associated products

winds



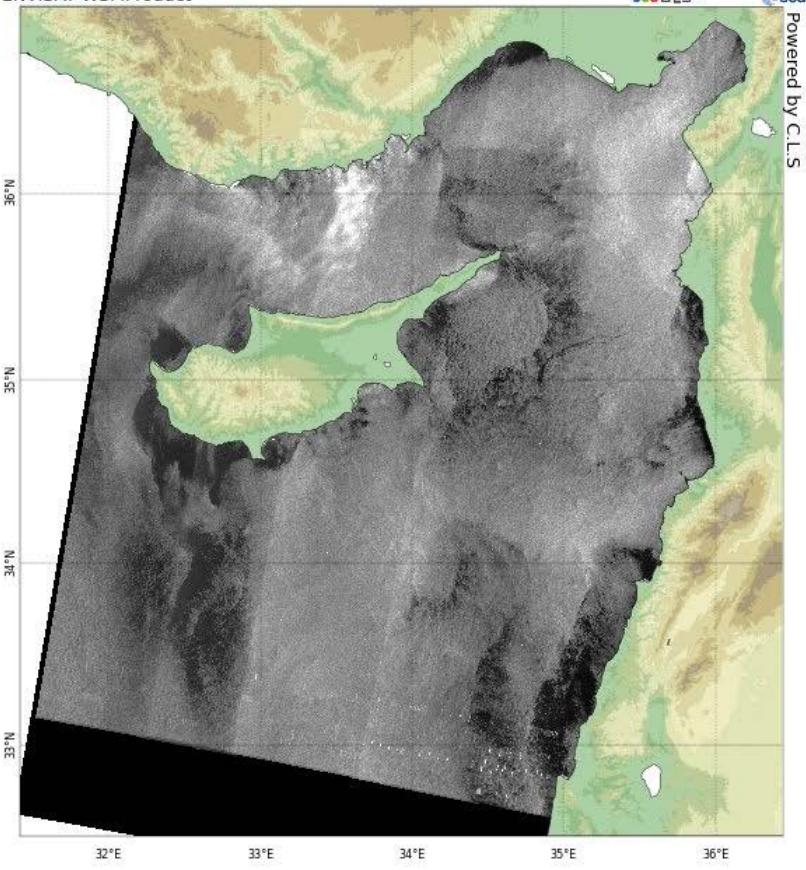
currents



click on the image to view in full resolution

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

SOPRANO



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EOLi (Earth Observation Link) is the European Space Agency's client for Earth Observation Catalogue and Ordering Services.

Using EOLi, you can browse the metadata and preview images of Earth Observation data acquired by the satellites ENVISAT, ERS, Landsat, IKONOS, DMC, ALOS, SPOT, Kompsat, Proba, JERS, IRS, Nimbus, NOAA, SCISAT, SeaStar, Terra/Aqua.

Scientific Users with a registered account can order or download products of various processing levels.

Contacts

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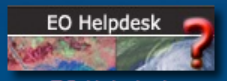
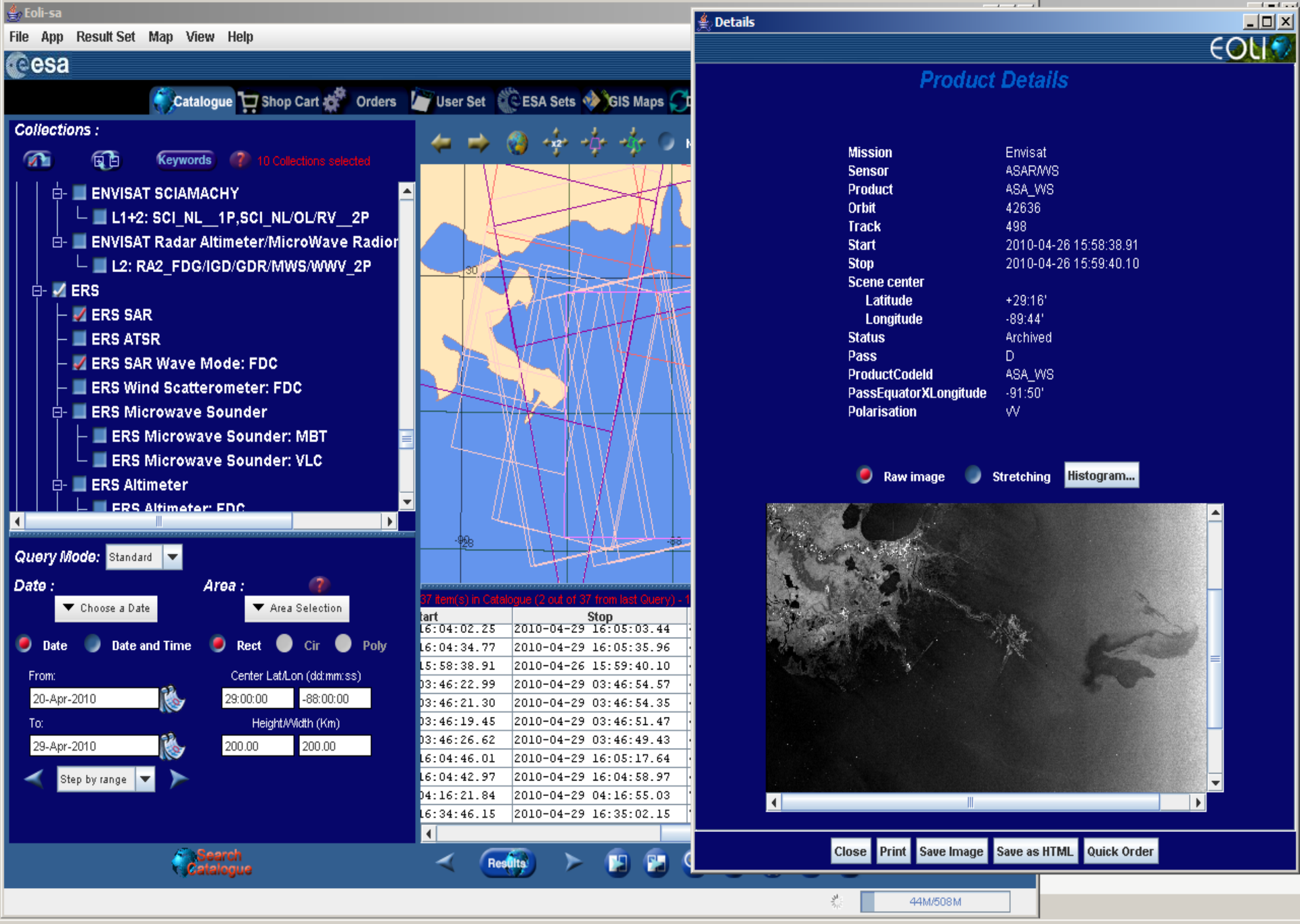
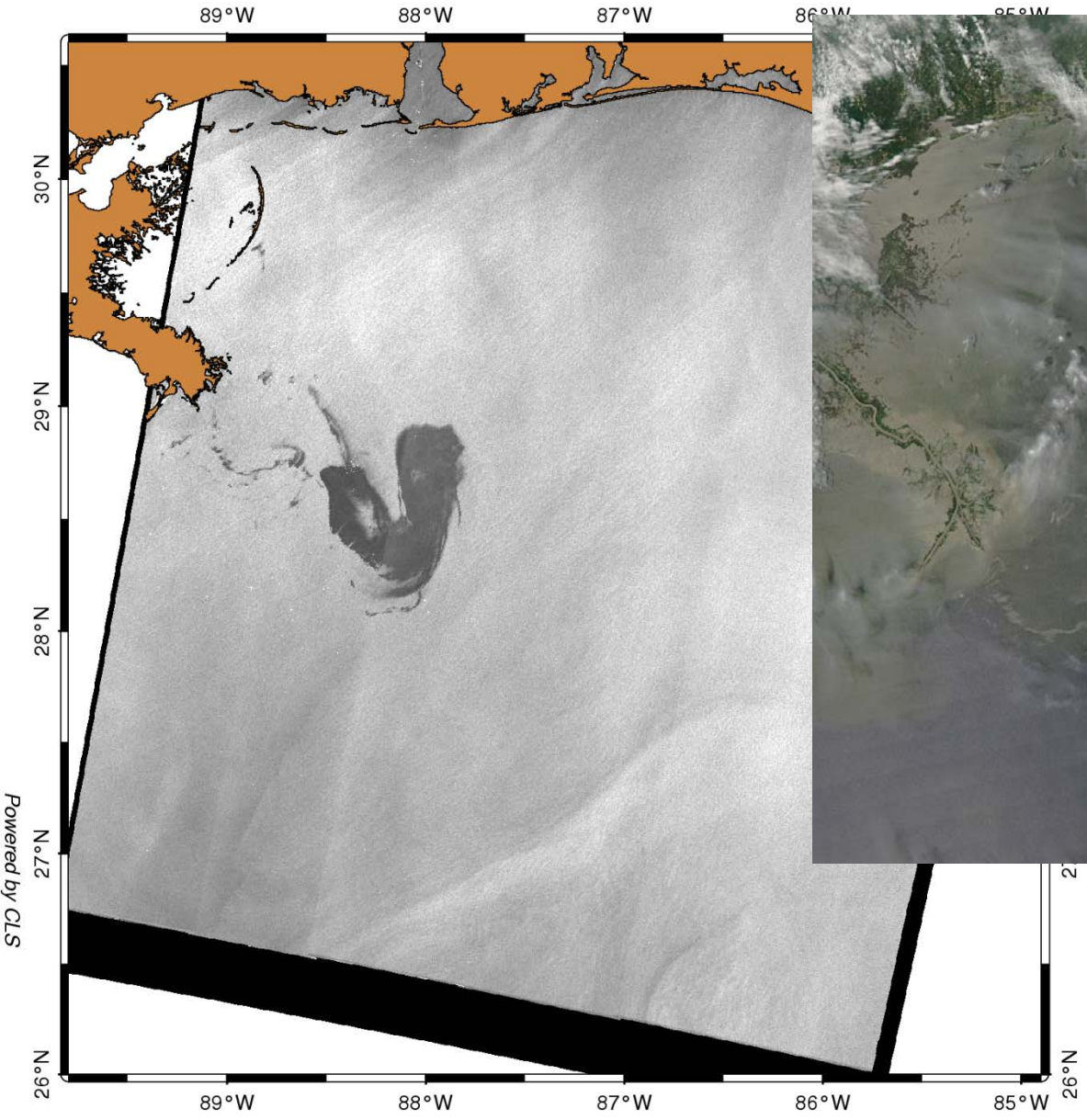


EO Helpdesk


Eoli-sa
File App Result Set Map View Help
esa
Catalogue Shop Cart Orders User Set ESA Sets GIS Maps
Collections :
Keywords
10 Collections selected
ENVISAT SCIAMACHY
L1+2: SCI_NL__1P,SCI_NL/OL/RV__2P
ENVISAT Radar Altimeter/MicroWave Radior
L2: RA2_FDG/IGD/GDR/MWS/WWV_2P
ERS
ERS SAR
ERS ATSR
ERS SAR Wave Mode: FDC
ERS Wind Scatterometer: FDC
ERS Microwave Sounder
ERS Microwave Sounder: MBT
ERS Microwave Sounder: VLC
ERS Altimeter
Query Mode: Standard
Date :
Choose a Date
Area :
Area Selection
Date
Date and Time
Rect
Cir
Poly
From:
20-Apr-2010
To:
29-Apr-2010
Center Lat/Lon (dd:mm:ss)
29:00:00
-88:00:00
Height/Width (Km)
200.00
200.00
Step by range
Search Catalogue
37 item(s) in Catalogue (2 out of 37 from last Query) - 1
Start
Stop
16:04:02.25 2010-04-29 16:05:03.44
16:04:34.77 2010-04-29 16:05:35.96
15:58:38.91 2010-04-26 15:59:40.10
03:46:22.99 2010-04-29 03:46:54.57
03:46:21.30 2010-04-29 03:46:54.35
03:46:19.45 2010-04-29 03:46:51.47
03:46:26.62 2010-04-29 03:46:49.43
16:04:46.01 2010-04-29 16:05:17.64
16:04:42.97 2010-04-29 16:04:58.97
04:16:21.84 2010-04-29 04:16:55.03
16:34:46.15 2010-04-29 16:35:02.15
Results
Details
Product Details
Mission Envisat
Sensor ASAR/WS
Product ASA_WS
Orbit 42636
Track 498
Start 2010-04-26 15:58:38.91
Stop 2010-04-26 15:59:40.10
Scene center
Latitude +29:16'
Longitude -89:44'
Status Archived
Pass D
ProductCodeId ASA_WS
PassEquatorXLongitude -91:50'
Polarisation VV
Raw image
Stretching
Histogram...
Close
Print
Save Image
Save as HTML
Quick Order
44M/508M

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

SOPRANO
CLS
esa



MODIS, ASAR 09 05 2010

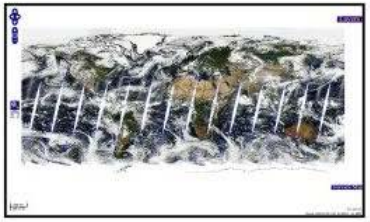
Rapid Response

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 with any questions.

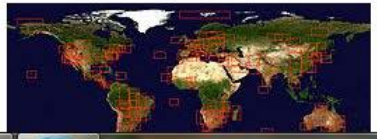
Images

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 overlayed 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

Файл Правка Вид Журнал Закладки Инструменты Спр

http://lance.nasa.gov/imag

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

Subsets - LANCE

NASA Earth Data Data Discovery ▾ Data Center

National A
LANCE

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welcome to lance

D
dat

Rapid Response | FIRMS

You are here » Home / Imagery / Ra

Subsets

Projects

- Aerosol Robotic Network (AERO
- USDA Foreign Agricultural Servi
- Fire Information for Resource M
- Antarctica
- Arctic
- Other Subsets

Areas

- North America
- South America
- Africa
- Europe
- Southeast Asia

Rapid Response - LANCE - Subsets - Mozilla Firefox

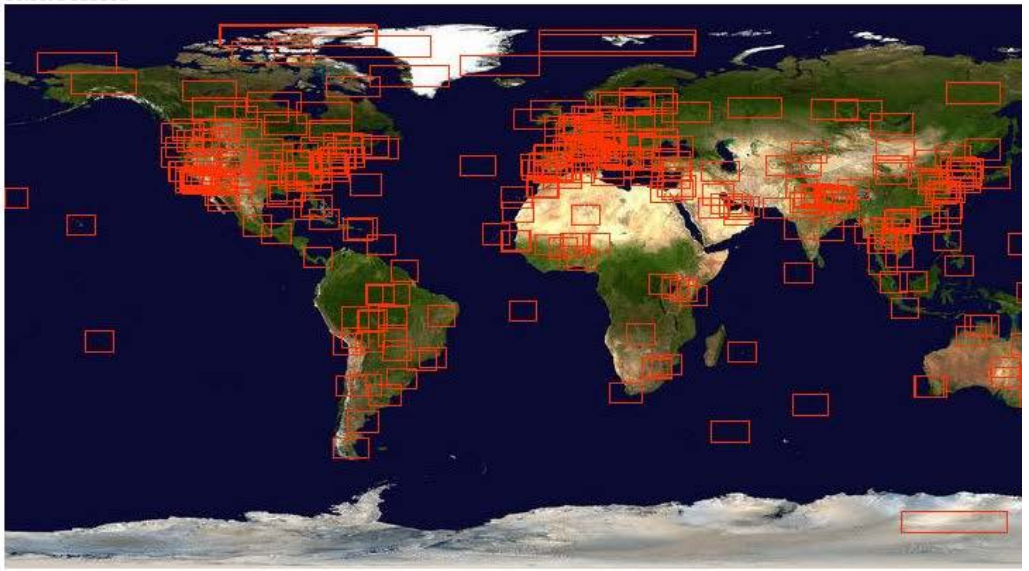
http://lance-modis.eosdis.nasa.gov/imagery/subsets/?project=aeronet

Rapid Response - LANCE - Subsets

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

AERONET

Select a subset:



- 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
- Baegryung_SuperSite
- BAHRAIN
- Bambey-ISRA
- Bandung
- Banizoumbou
- Barbados
- Barcelona
- Bareilly
- 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
- Helgoland
- Helsinki
- Hermosillo
- Hetauda
- HJAndrews
- Hong_Kong_PolyU
- Hornsund
- Howland
- Huelva
- IASBS
- ICIPE_Mbita
- 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
- Qiandaohu
- 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/

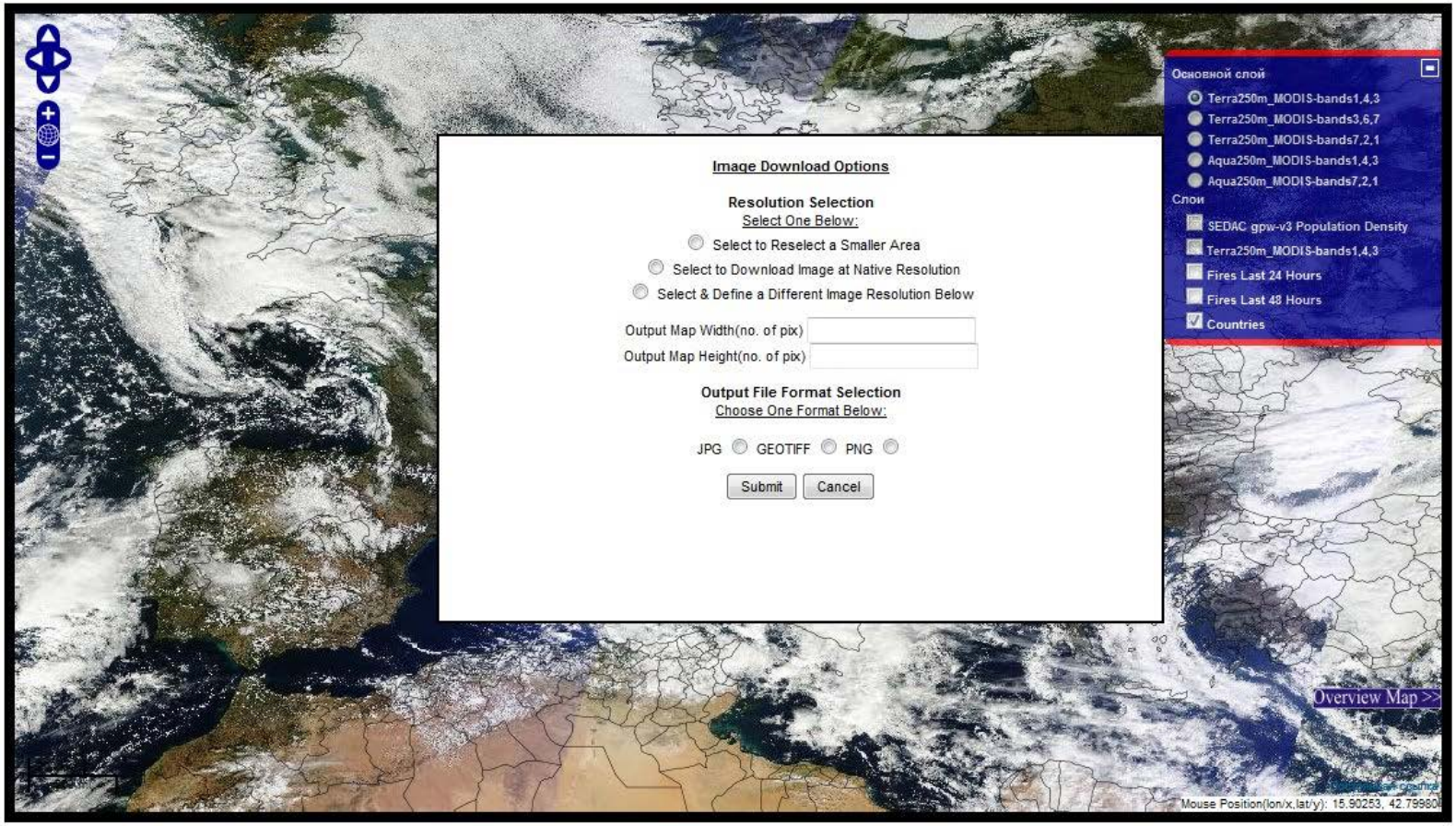
Rapid Response - LANCE - WMS

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

LANCE Web Mapping Service

Date: 11/16/2011

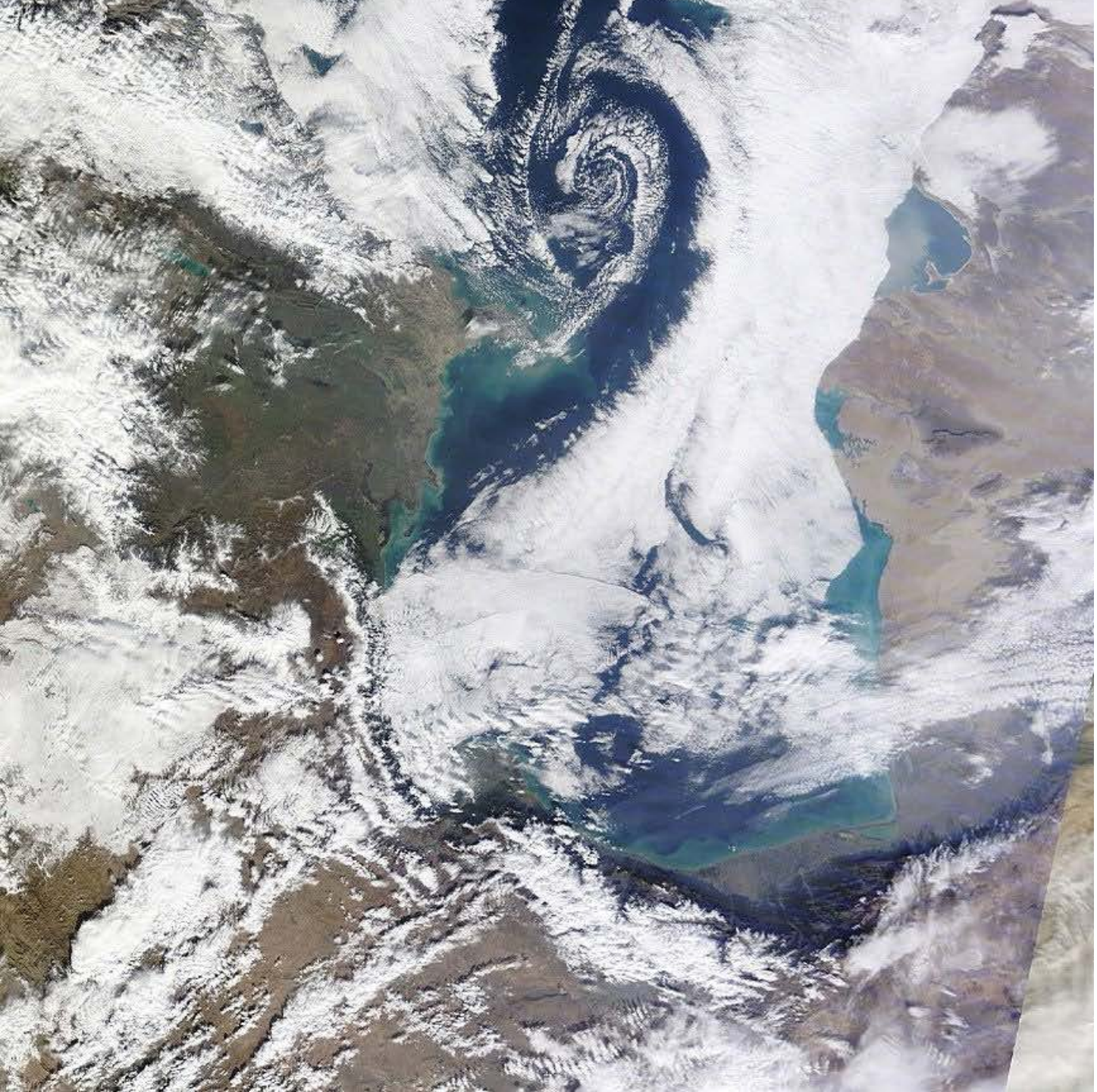
Current Base Layer: Terra250m_MODIS-bands1,4,3

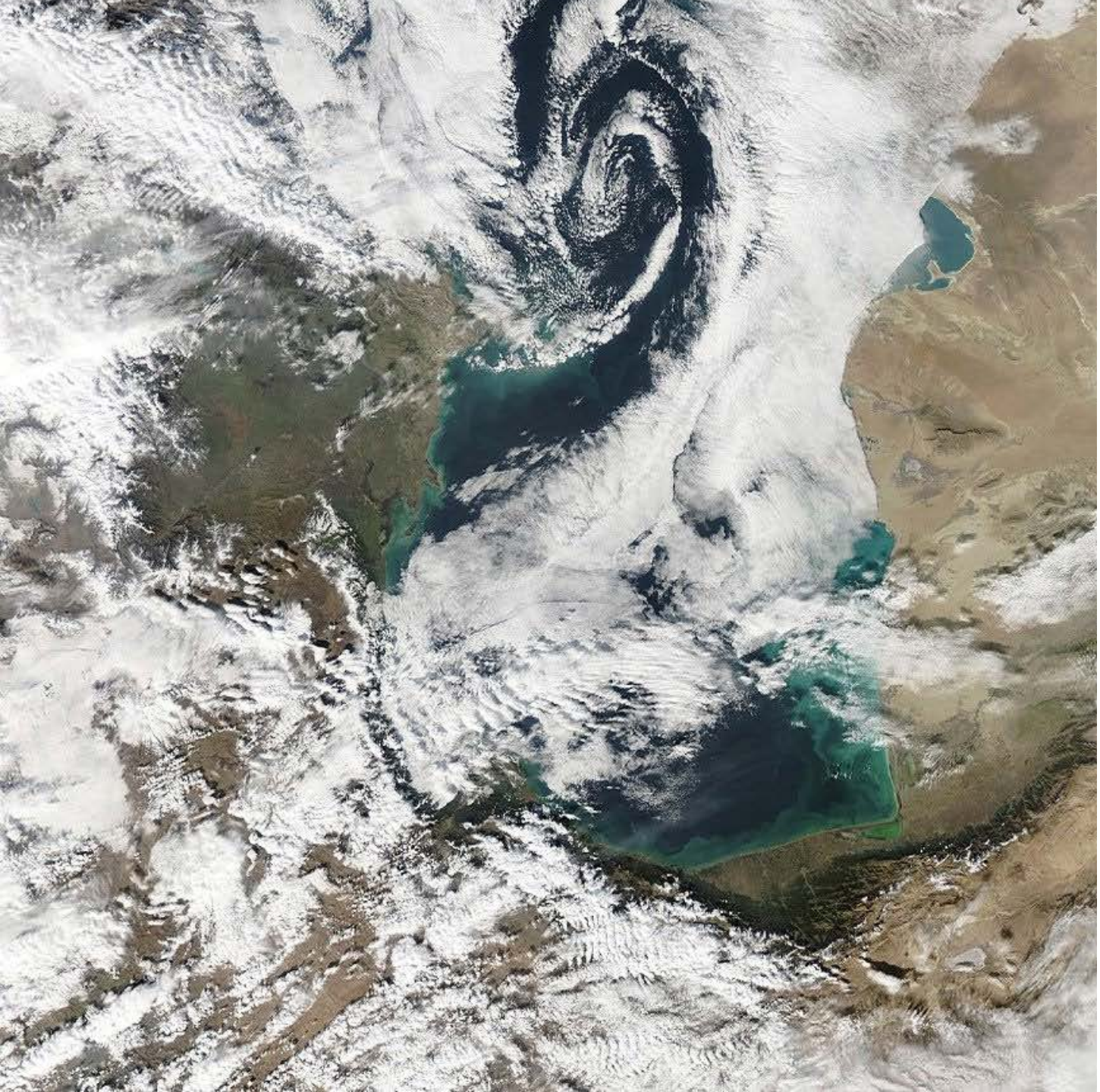


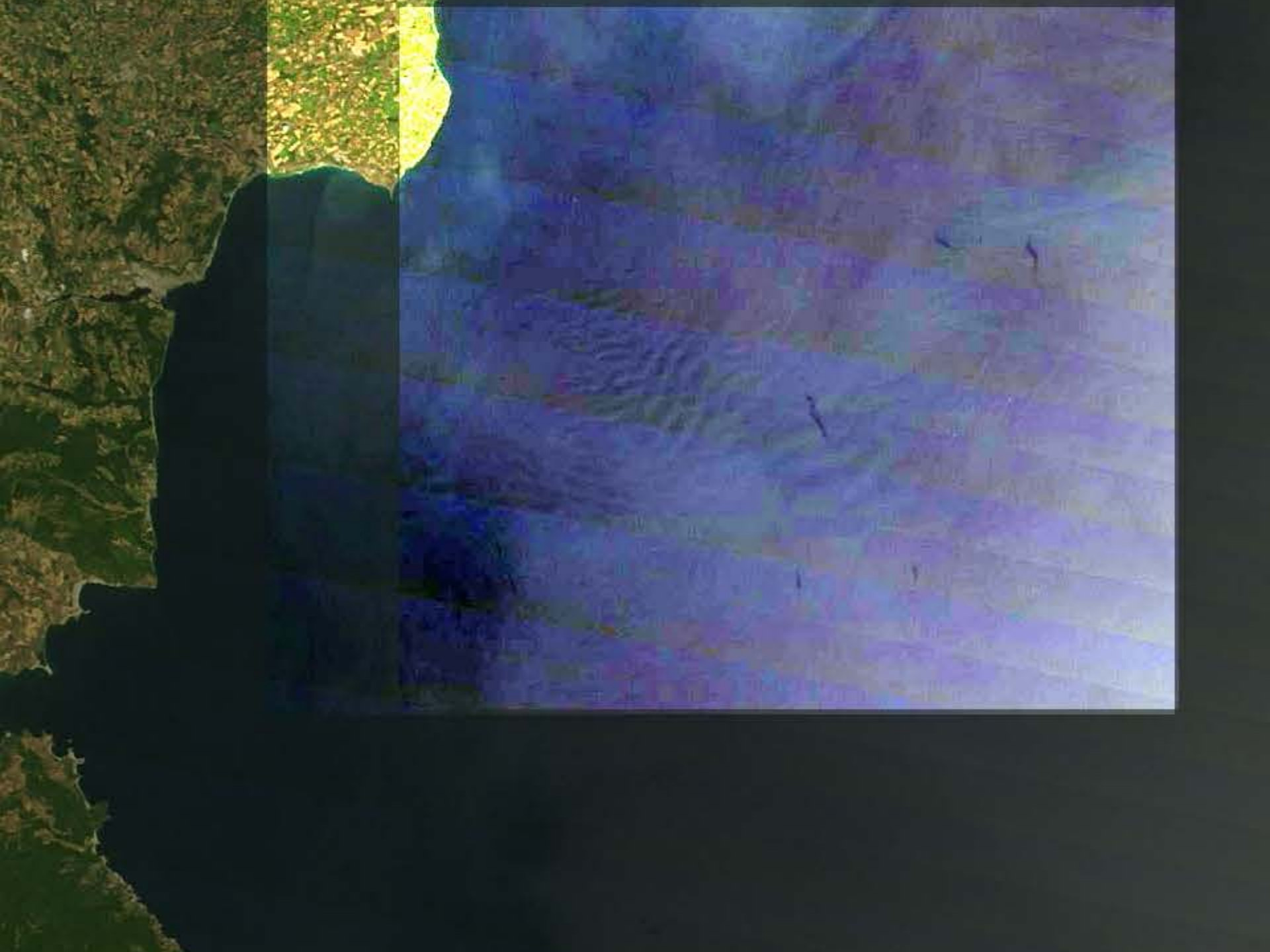
Download

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

EN 22:13 16.11.2011







www.aviso.oceanobs.com/en/altimetry.html

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Aviso data from altimetry satellites

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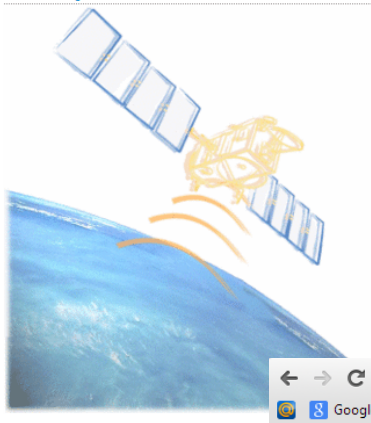
ALTIMETRY

- Principle
- History
- Multi-satellites
- Future improvements

Home / Altimetry

Altimetry



Altimetry is a technique for measuring height. Satellite altimetry measures the time taken by a radar pulse to travel from the satellite antenna to the surface and back to the satellite receiver. Combined with precise satellite location data, altimetry measurements yield sea-surface heights.

www.aviso.oceanobs.com/en/data.html

las.aviso.oceanobs.com/las/getUI.do

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LIVE ACCESS SERVER

Choose dataset | Update Plot | Set plot options | Animate | Compare | Google Earth | Show Values | Link To ... | Save image

NRT - Near-real time Data / NRT - Black Sea / NRT - Black Sea - (Maps of) Sea Level Anomalies And Formal Mapping Error

Formal Mapping Error Merged

47 N
27 E
42 E
40 N

MAPS
- Latitude-Longitude

HOVMOLLER PLOTS
- Longitude-Time
- Latitude-Time

LINE PLOTS
- Time Series
- Longitude
- Latitude

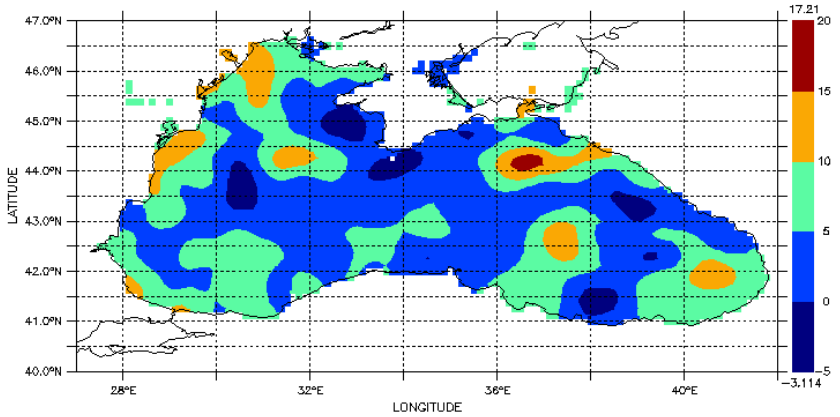
SCATTER PLOTS
- Property-Property

Date: 22-SEP-2012 00:00:00

LAS 7./Ferret 6.72 NOAA/PMEL

TIME : 23-AUG-2013 00:00

DATA SET: blackaea nrt main h merged



Maps of Sea Level Anomalies Merged (cm)

About Landsat

+ History
+ Landsat & People
– Technical Details
+ Science
+ Practical Uses
+ LDCM

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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

USGS Global Visualization Viewer - Mozilla Firefox

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http://glovis.usgs.gov/

.glovis.usgs.gov

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USGS Global Visualization Viewer

USGS
science for a changing world

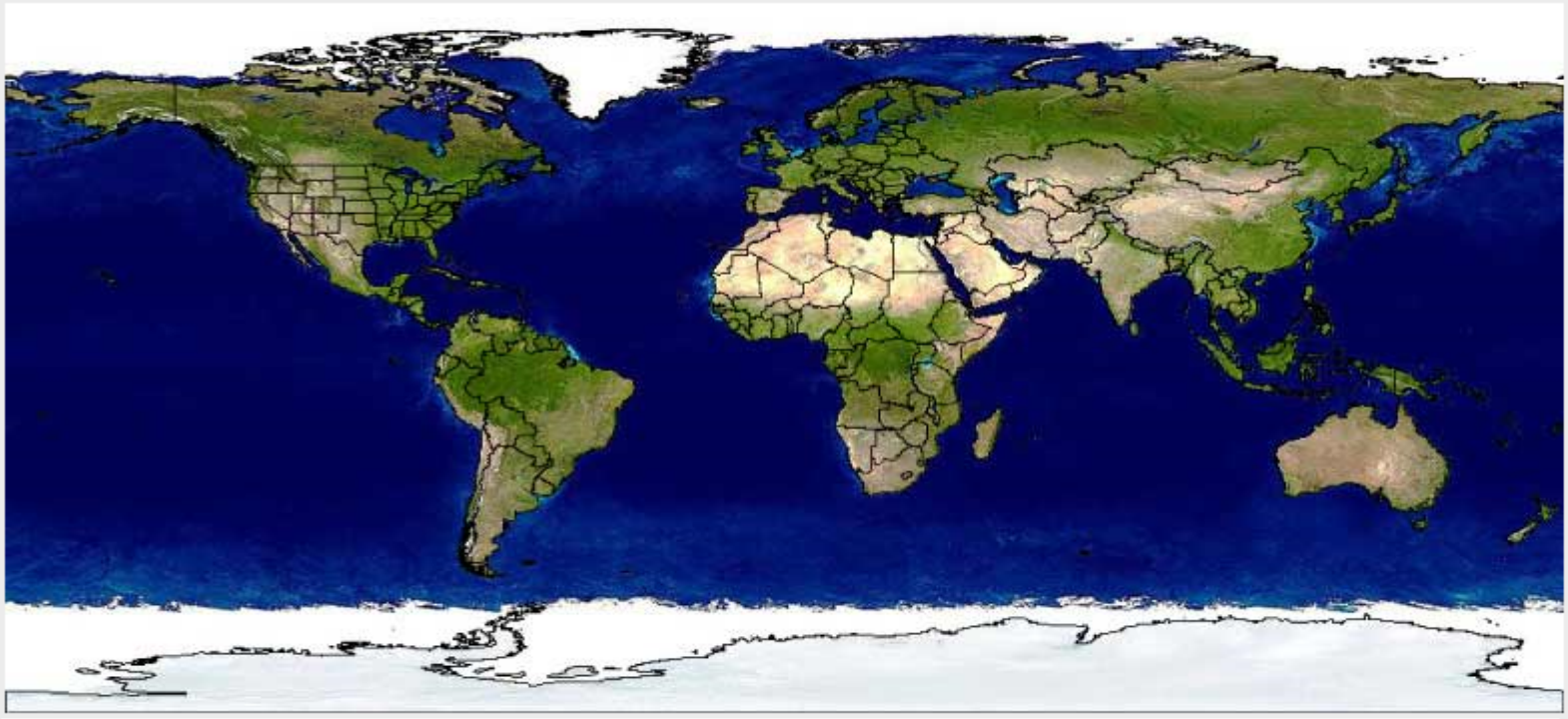
Earth Resources Observation and Science Center (EROS)

USGS Global Visualization Viewer

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

Select Collection Landsat Archive Landsat 7 SLC-off (2003->) View Images

Latitude Longitude



Done

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

.glovis.usgs.gov

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USGS Global Visualization Viewer

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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% Qlty: 9
Date: 2000/3/4

Mar 2000 Go

Prev Scene | Next Scene

L7 SLC-on (1999-2003) List

LE71830322003085SGS00

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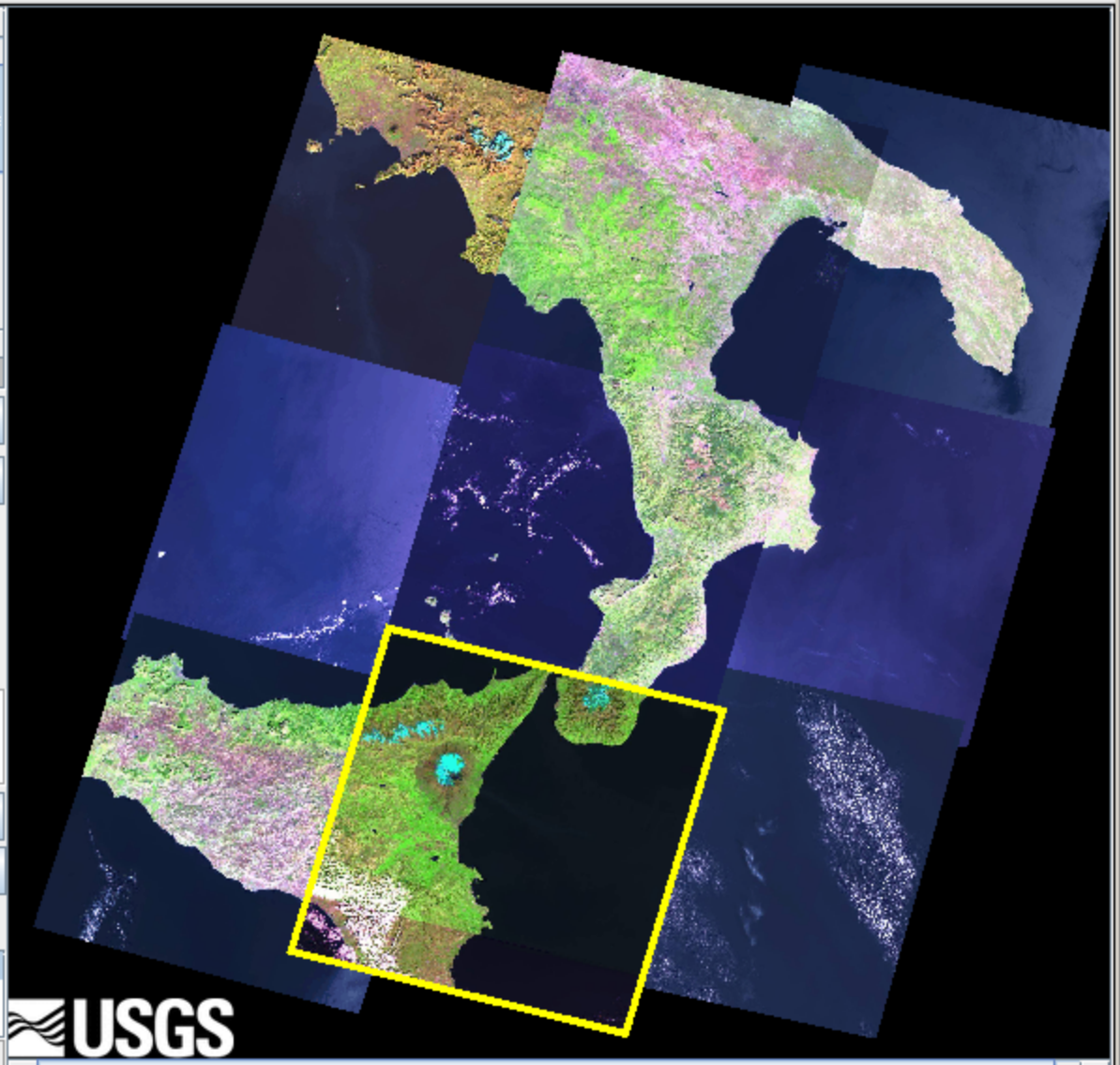

cenes do not
s at Landsat

gn in

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ease Note: Once you sign in, you may be asked a subset of questions if they were left blank in your registration profile.

Sign in using your USGS registered user name and password

Enter User Name:

Enter Password:

Sign In -->

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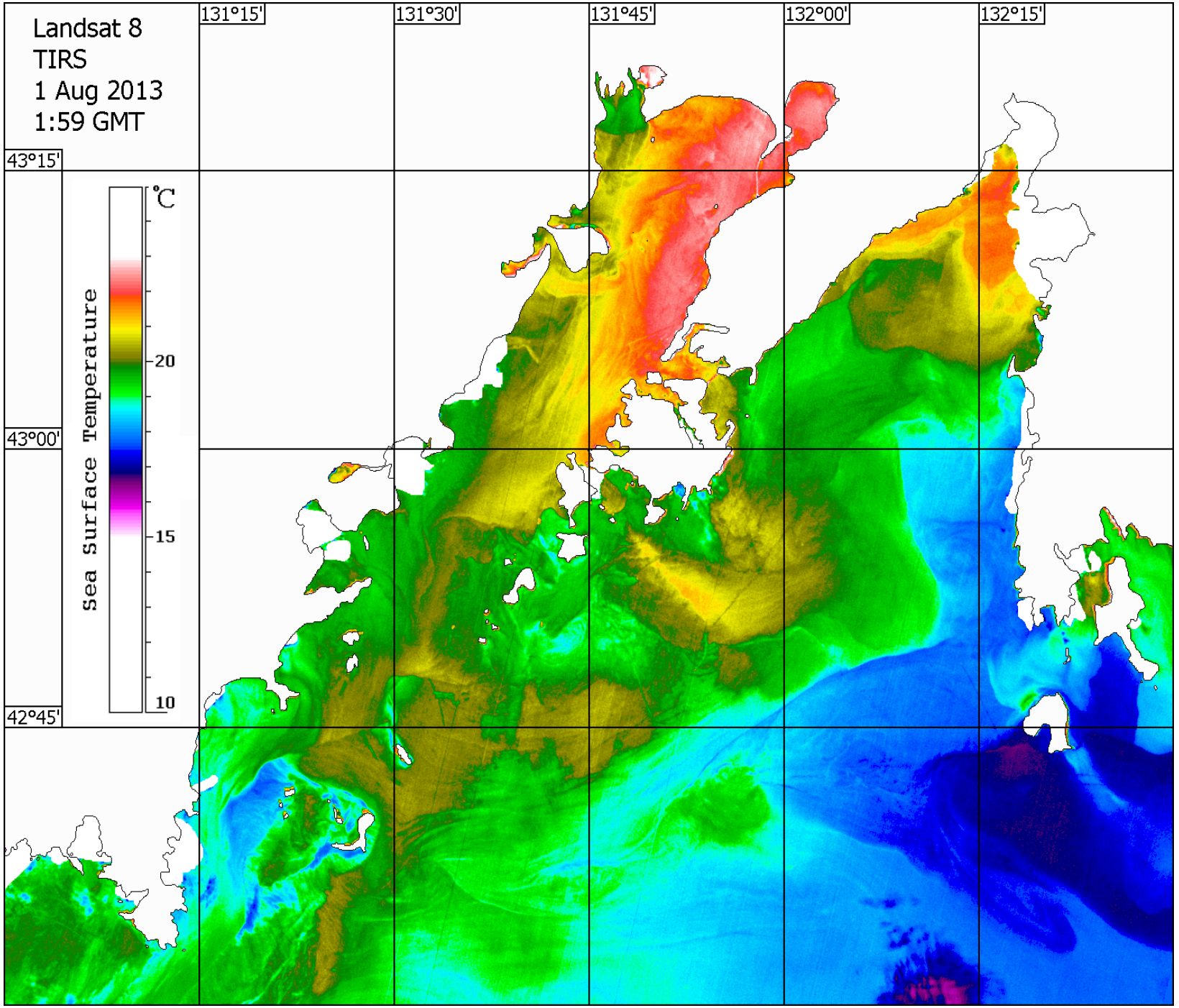

Landsat 8
TIRS
1 Aug 2013
1:59 GMT
131°15'
131°30'
131°45'
132°00'
132°15'
43°15'
43°00'
42°45'
Sea Surface Temperature
℃
20
15
10

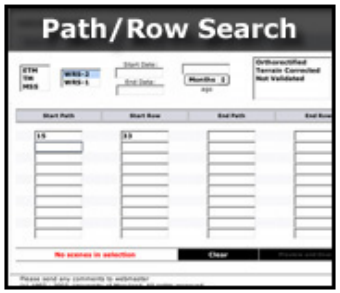
http://glcfapp.umiacs.umd.edu:8080/esdi/index.jsp

Global Land Cover Facility
Earth Science Data Interface

Home | Map Search | Product Search | Path/Row Search | Workspace

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 b 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
- Download ESDI Layers
- Search by Granule ID

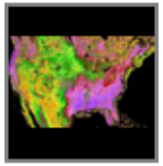
Please send any comments to glcf@umiacs.umd.edu

Product Search

Global Land Cover Facility
Earth Science Data Interface

Home | Map Search | Product Search | Path/Row Search | Workspace

MODIS, 16-Day NDVI



Normalized Difference Vegetation Index (NDVI) derived from MODIS data is provided here on a 16 day basis for the conterminous United States. The original band files used to derive the NDVI are also available and a band file with cloud information (for data from 2001 to the present). Data are in GeoTIFF and have been projected to Alber's.

MODIS, Vegetation Continuous Fields

The three data files included are percent trees, bare, and herbaceous. This product contains three available layers which add up to represent 100% ground cover. The three layers can be properly displayed in a Red, Green, Blue band combination. Data is available in Goode's projection or Lat/Long.

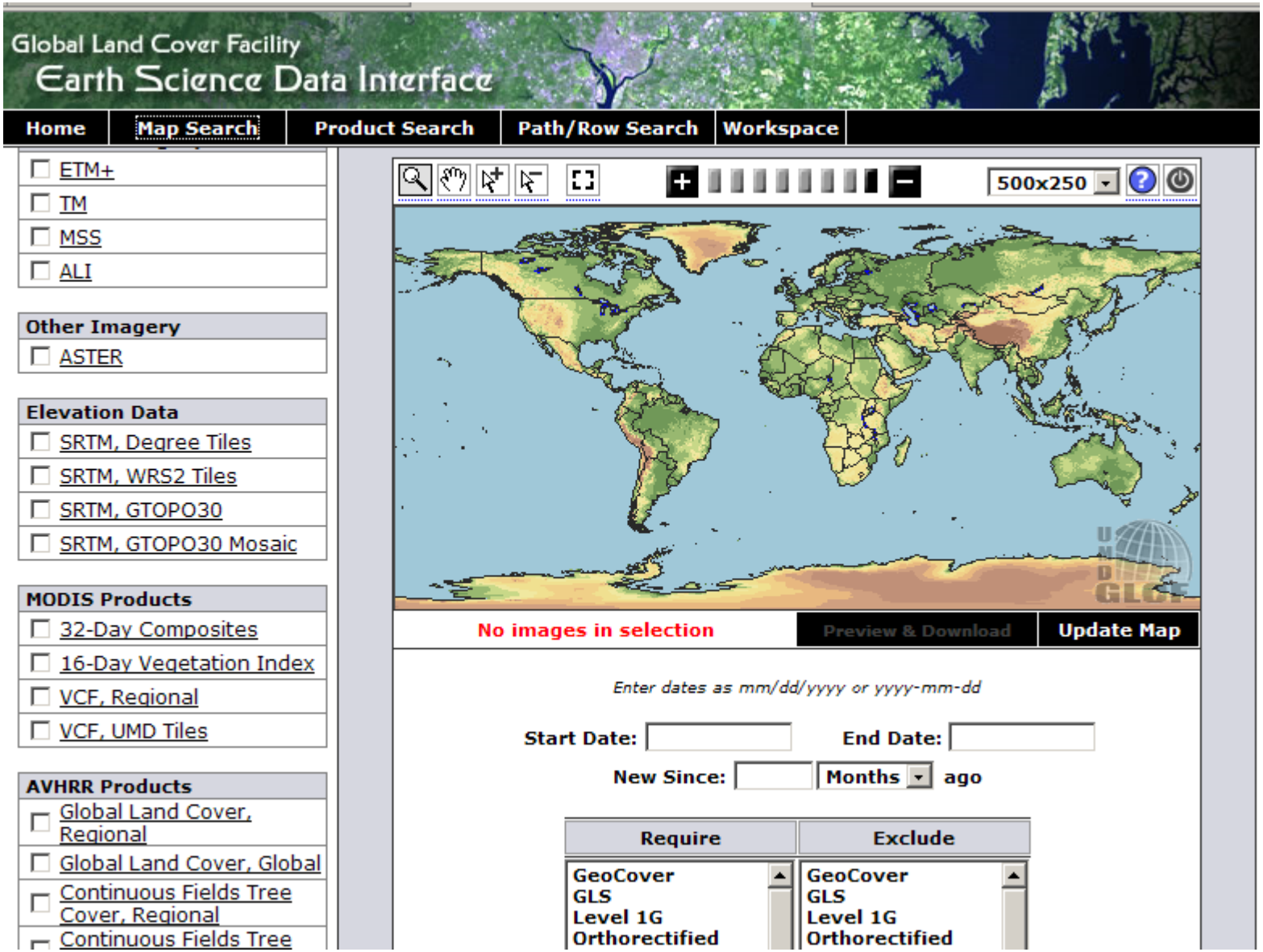
MODIS, 500m, 32-Day Global Composites

Composites were derived from the MOD09A1 eight-day surface reflectance product. MODIS bands 1 through 7 (red, NIR, green, blue, SWIR, SWIR, SWIR) are available in single band GeoTIFF files in continental subsets. These composites were used to derive the MODIS Vegetation Continous Fields product.

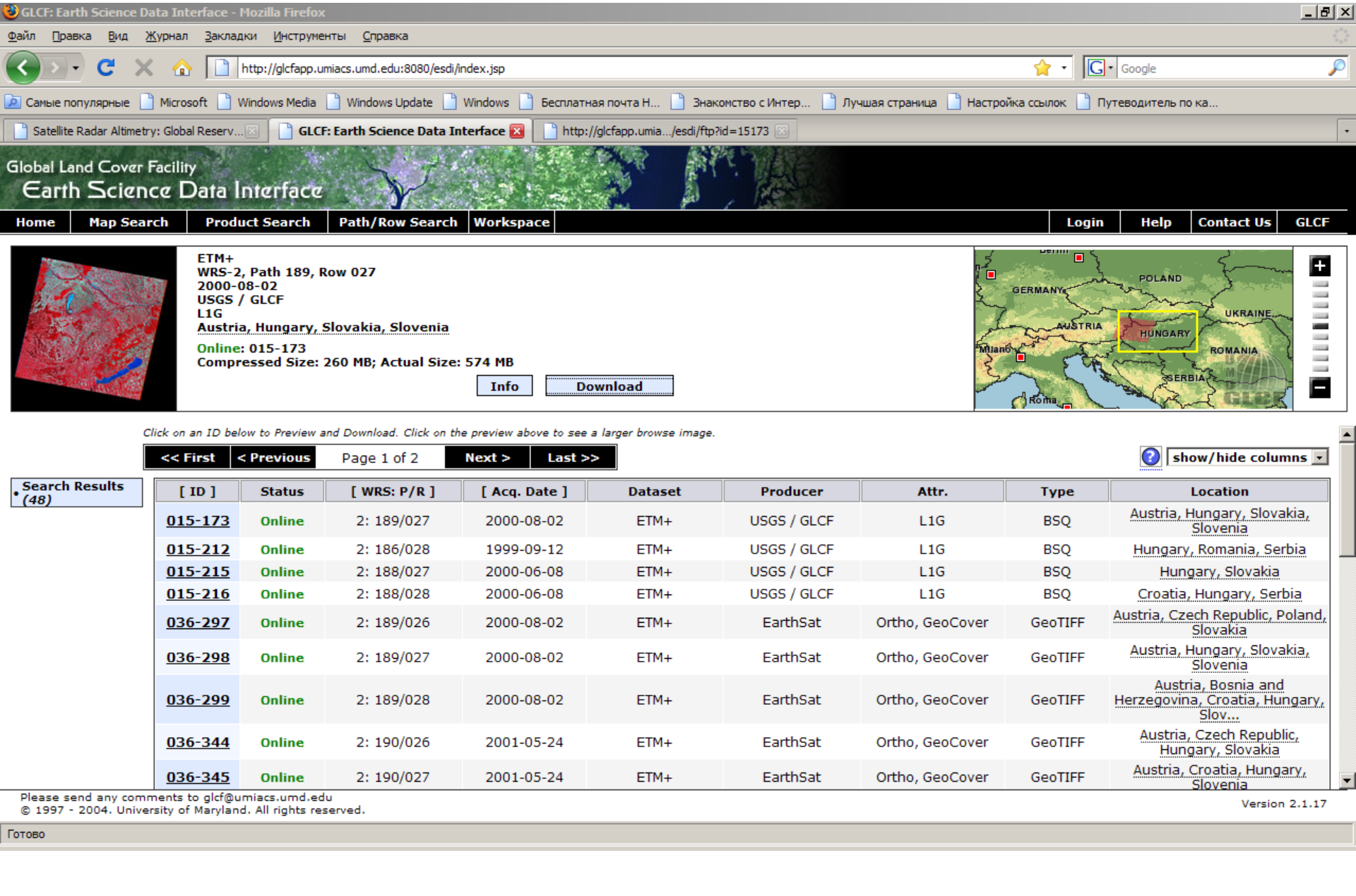
IUCN/UNEP World Database On Protected Areas

This dataset contains GIS layers of protected areas that were produced by the World Conservation Union (IUCN) and the United Nations Environment Programme (UNEP). The 2003 dataset includes protected areas recognized at the international and national levels. Data are provided as ESRI Shapefiles by points or polygons.

MAP SEARCH


Global Land Cover Facility
Earth Science Data Interface
Home
Map Search
Product Search
Path/Row Search
Workspace
ETM+
TM
MSS
ALI
Other Imagery
ASTER
Elevation Data
SRTM, Degree Tiles
SRTM, WRS2 Tiles
SRTM, GTOPO30
SRTM, GTOPO30 Mosaic
MODIS Products
32-Day Composites
16-Day Vegetation Index
VCF, Regional
VCF, UMD Tiles
AVHRR Products
Global Land Cover, Regional
Global Land Cover, Global
Continuous Fields Tree Cover, Regional
Continuous Fields Tree
500x250
No images in selection
Preview & Download
Update Map
Enter dates as mm/dd/yyyy or yyyy-mm-dd
Start Date:
End Date:
New Since:
Months
ago
Require
Exclude
GeoCover
GLS
Level 1G
Orthorectified
GeoCover
GLS
Level 1G
Orthorectified

Landsat ETM data



p189r027_7x20000802.ETM-EarthSat-Orthorectified

Unable to get welcome message.

Path: ftp://ftp.glcf.umiacs.umd.edu/glcf/Landsat/WRS2/p189/r027/p189r027_7x20000802.ETM-EarthSat-Orthorectified/

File Name	Download Size	Actual Size	Last Modified
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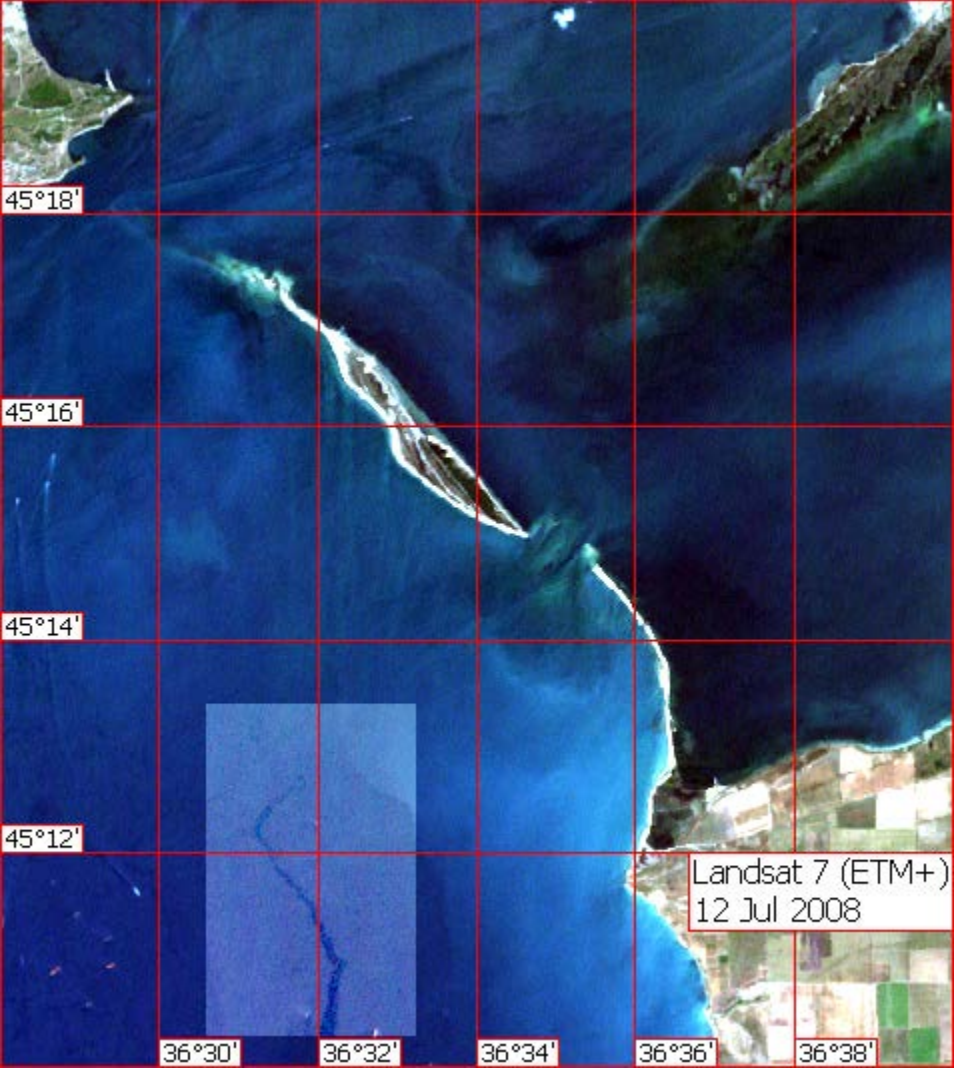
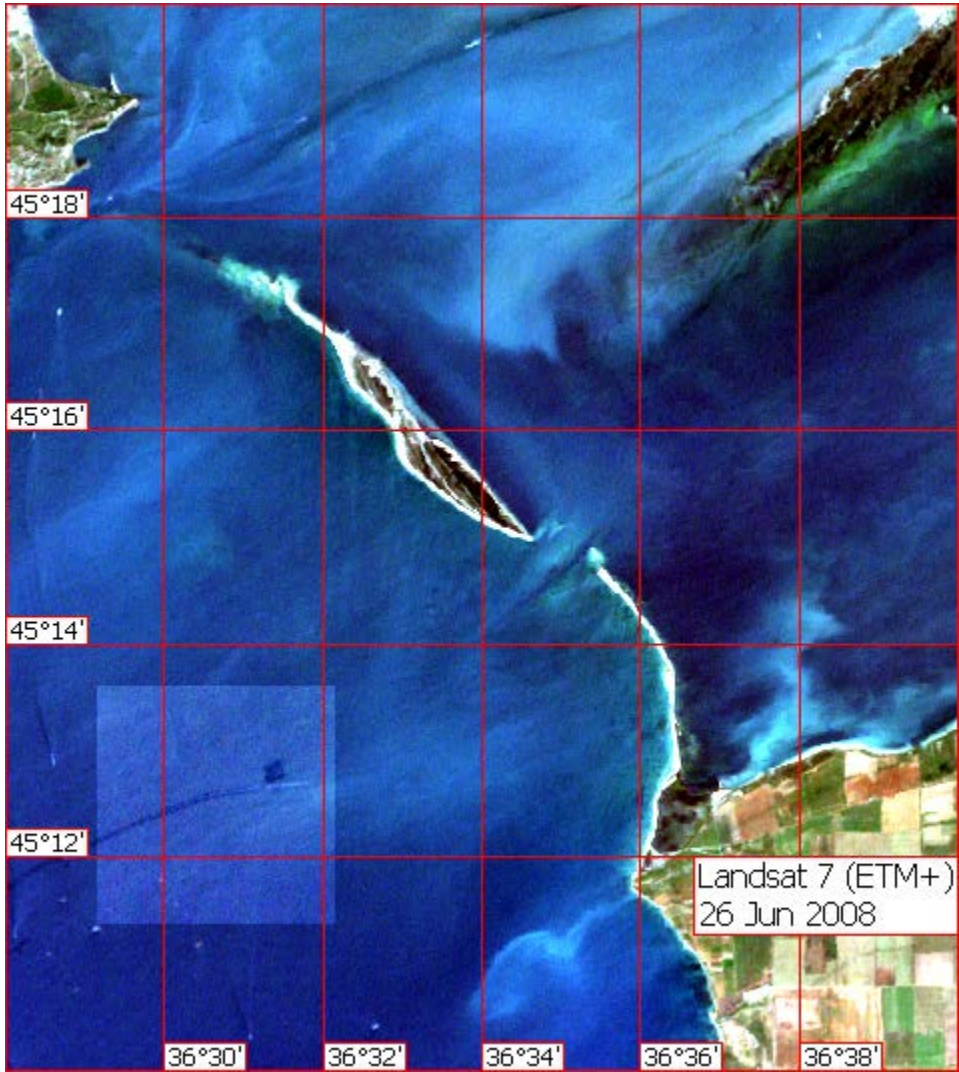
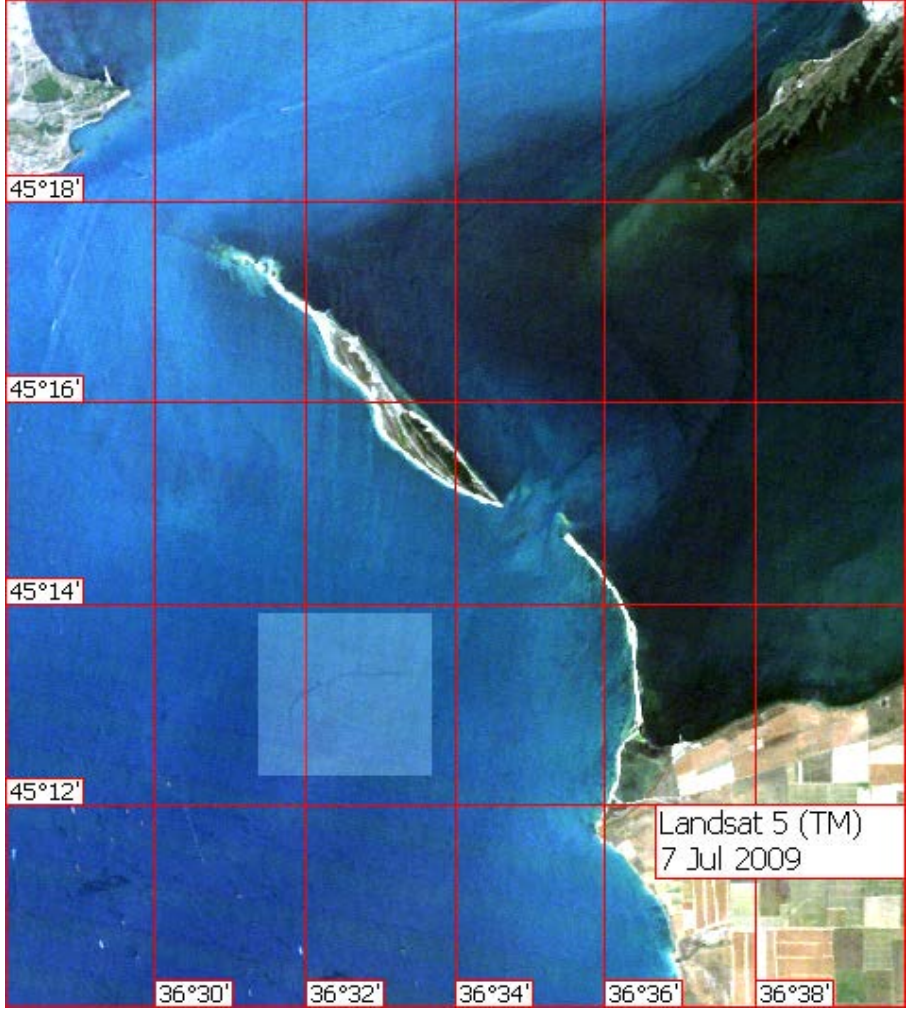
Landsat ETM+

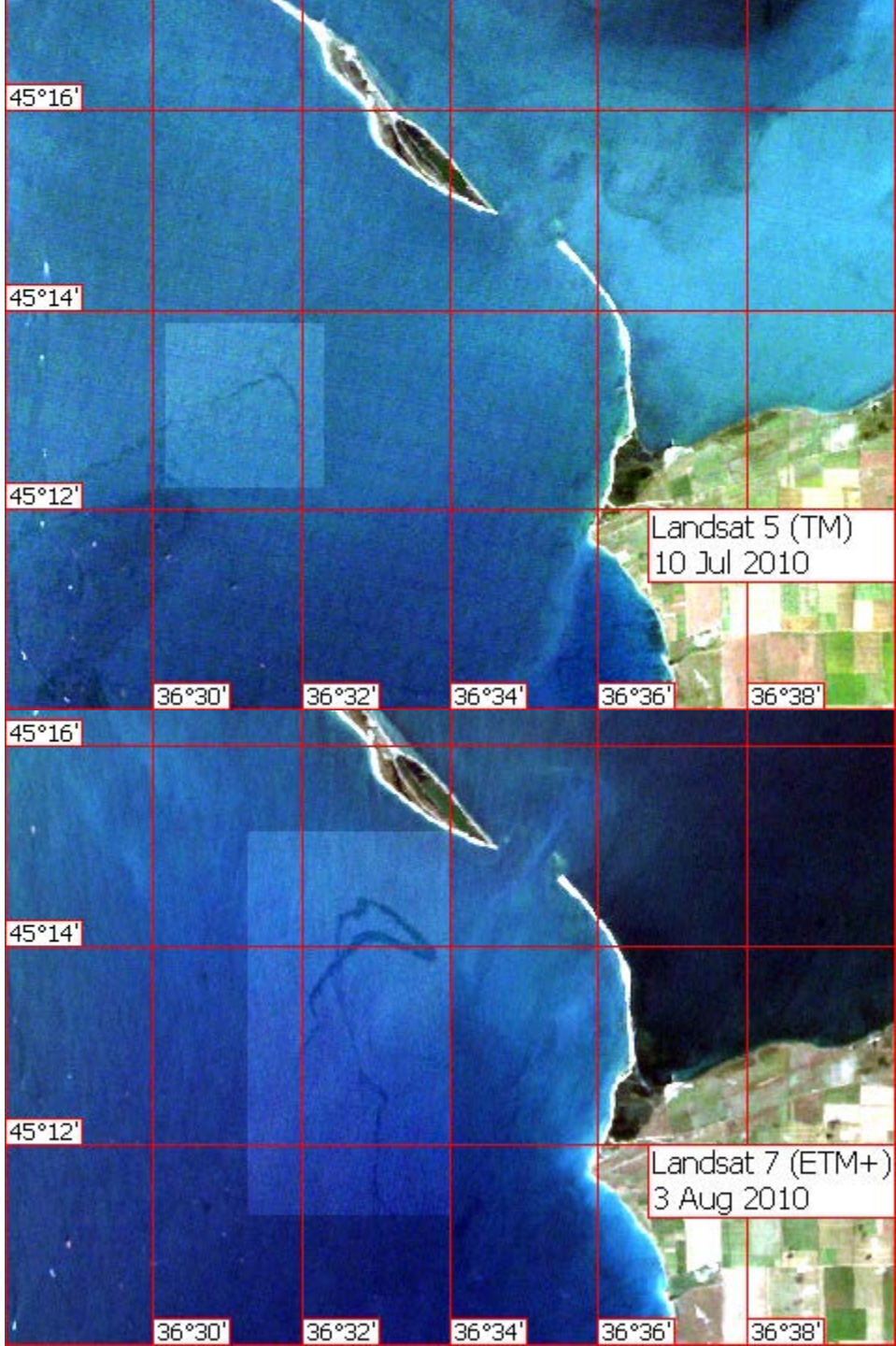
2008 год





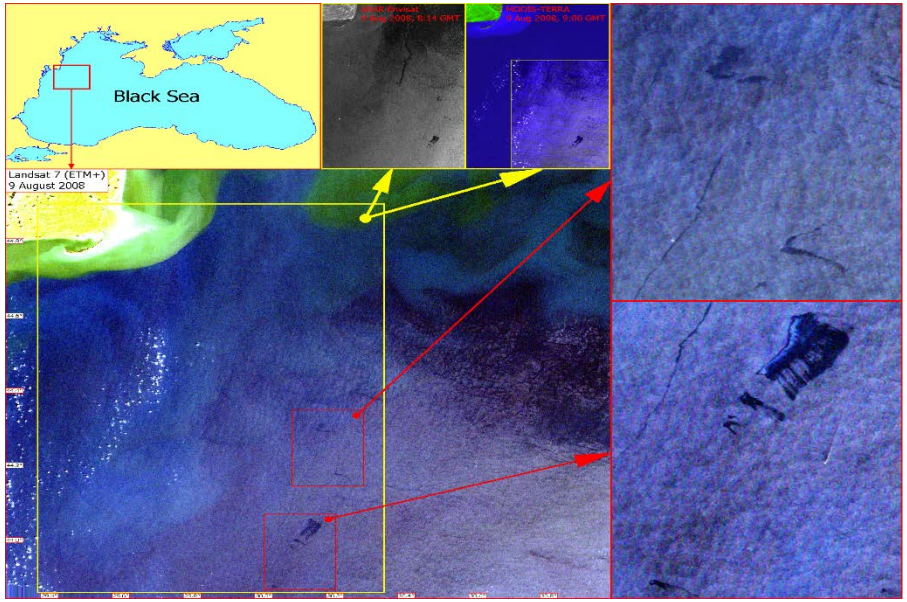
Oil pollution in the Kerch Strait





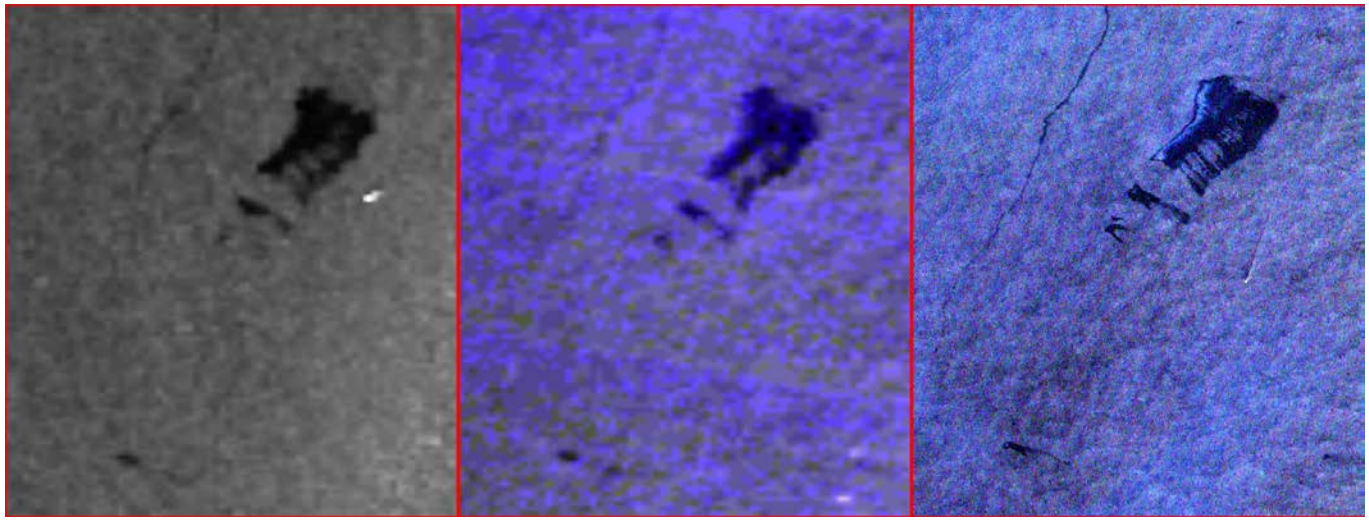
Проявление загрязнений на месте аварии в 2009 и 2010 годах.
Возможная причина – подъем легких фракций с загрязненного дна.

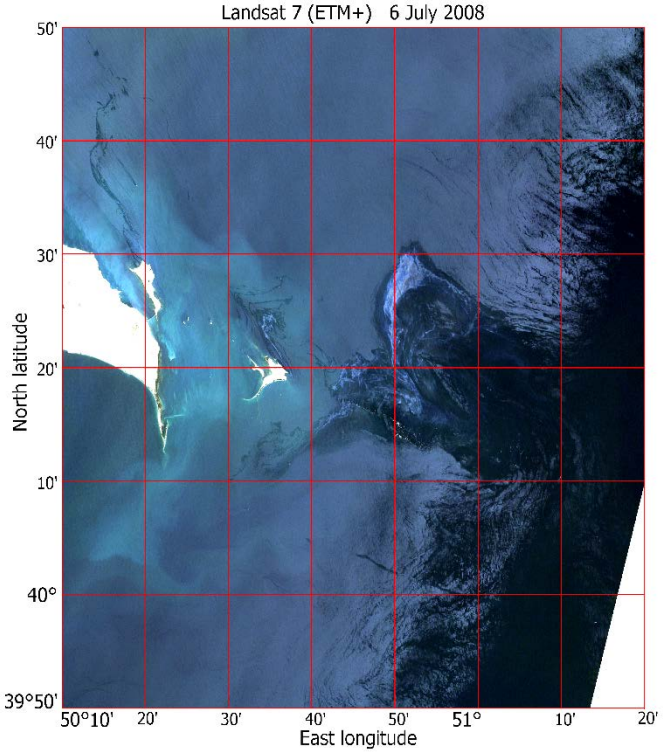
Oil spill appearance in optical data

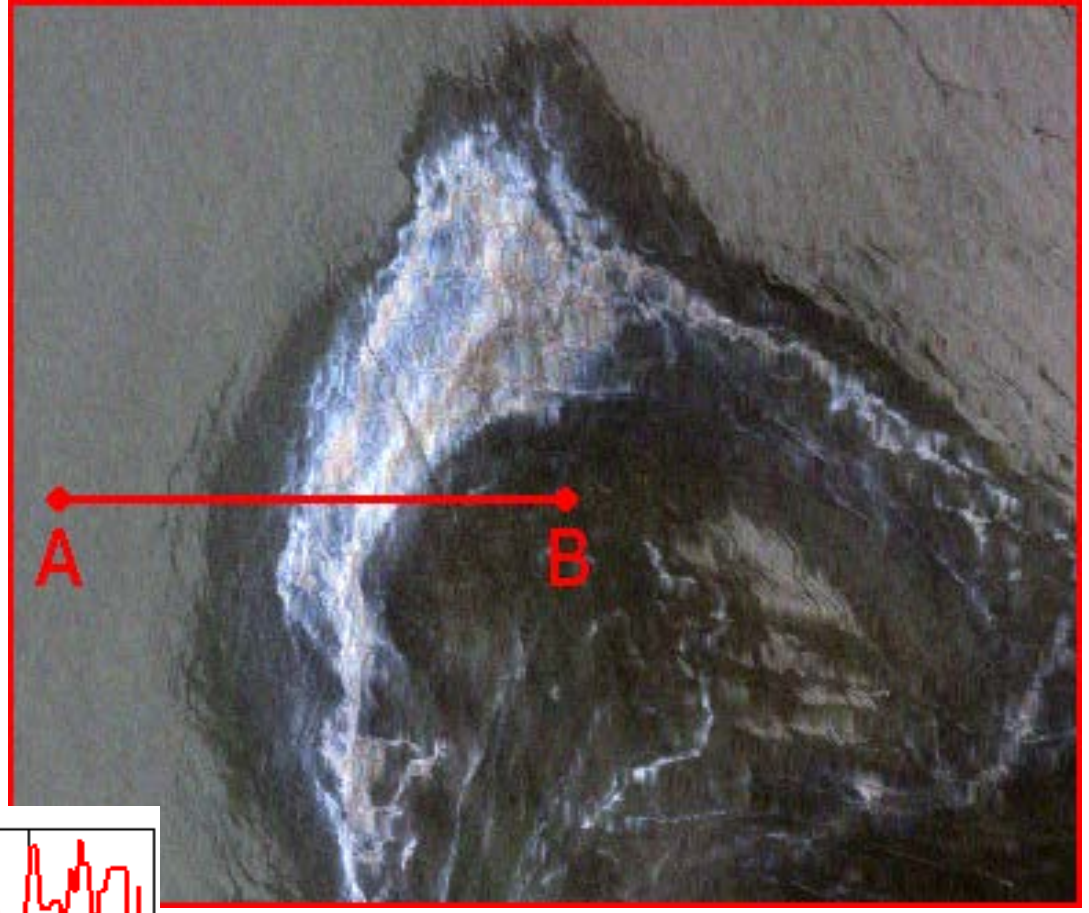


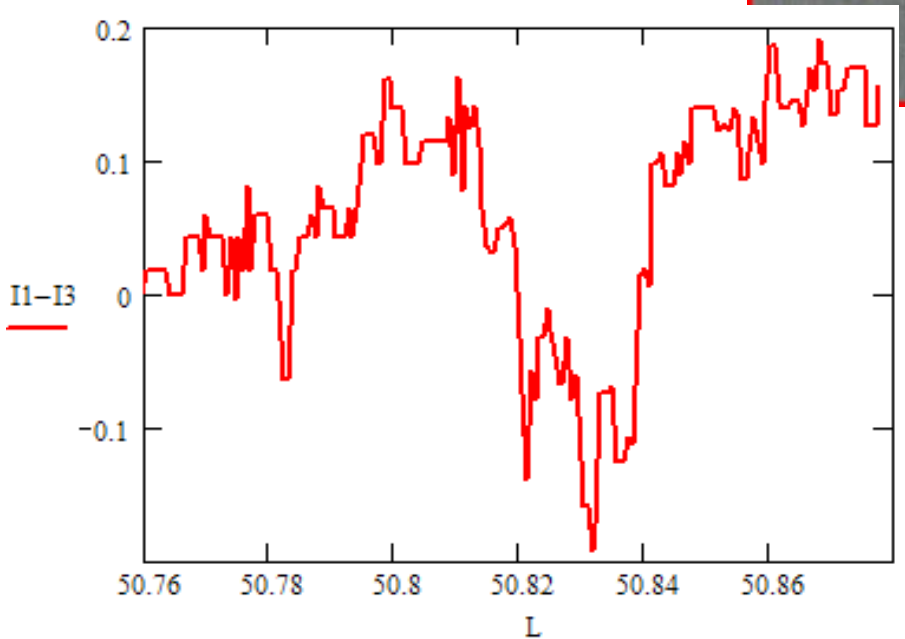
На данных Landsat
видна область толстой пленки
с увеличенным отражением

ASAR MODIS Landsat

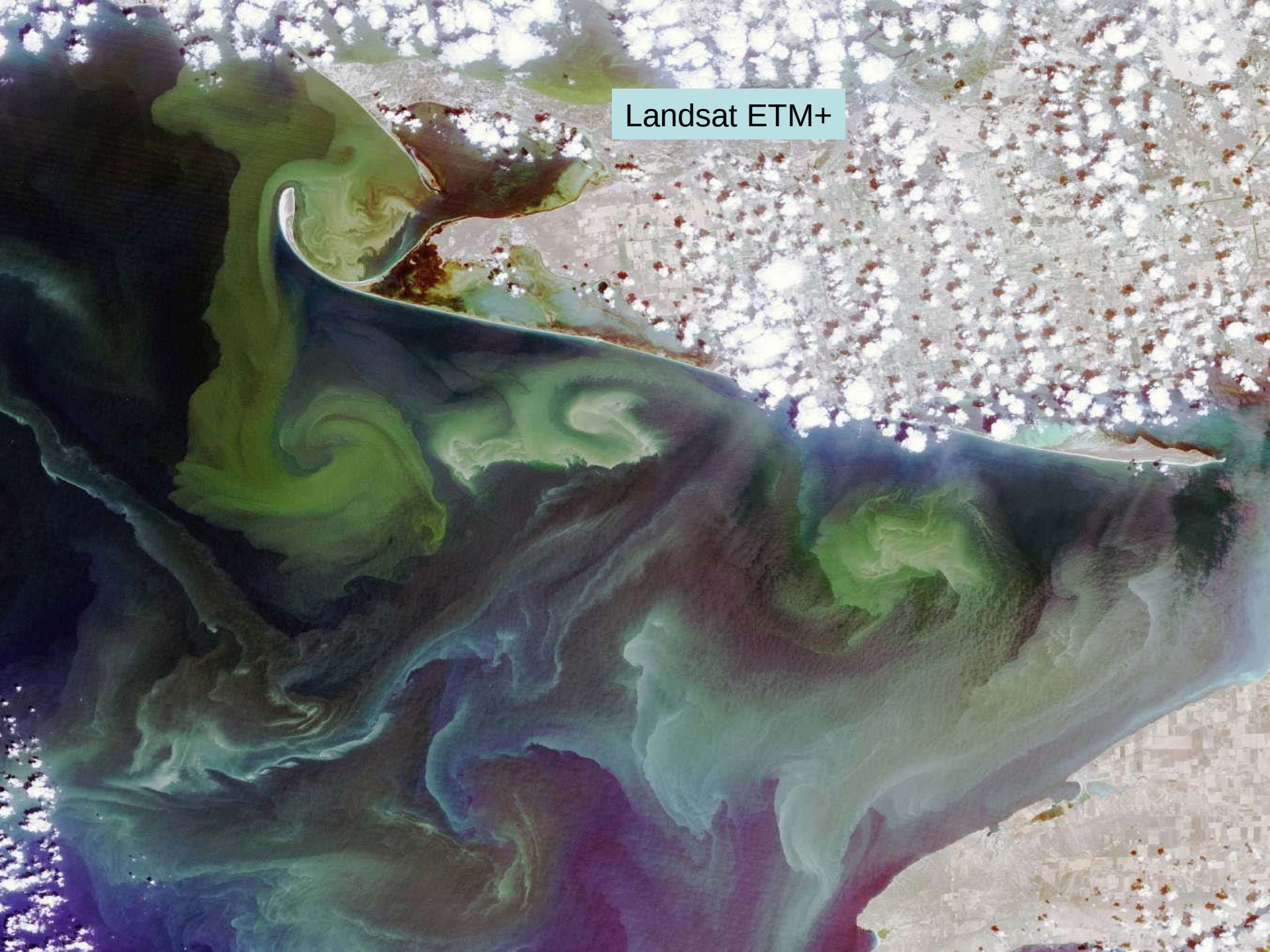








Разность спектральных контрастов
В 1 и 3м каналах сканера
0.45-0.51мкм
0.63-0.69 мкм


Landsat ETM+

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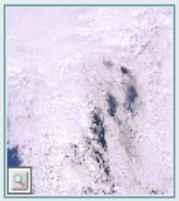
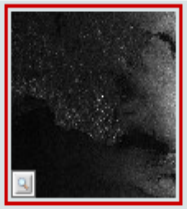


Mode FR Level0/MERIS
Orbit 50805 - Esrin
Start 16-NOV-2011 22:21:54
Stop 16-NOV-2011 22:26:08
First 55.4N 171.4W
Last 40.5N 177.6W



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First 72.8N 167.4W
Last 57.2N 177.3W

Mode WSM Level1/ASAR
Orbit 50805 - Esrin
Start 16-NOV-2011 22:11:08
Stop 16-NOV-2011 22:14:32
First 83.0N 44W
Last 80.8N 151.3W

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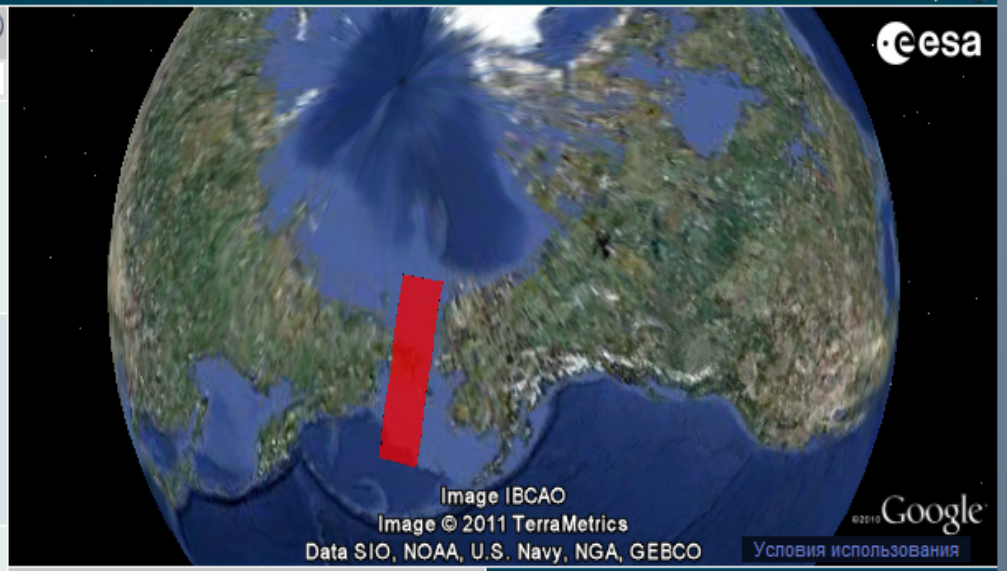


Information

Processed by **PDHS-E MERIDIAN/3.0** on **17-NOV-2011 00:31:46** (UTC)

Pixel Size 75m (5654x23760)

JPG Hi-Res **30.2 MB**

BMP Hi-Res **128.2 MB**

Search

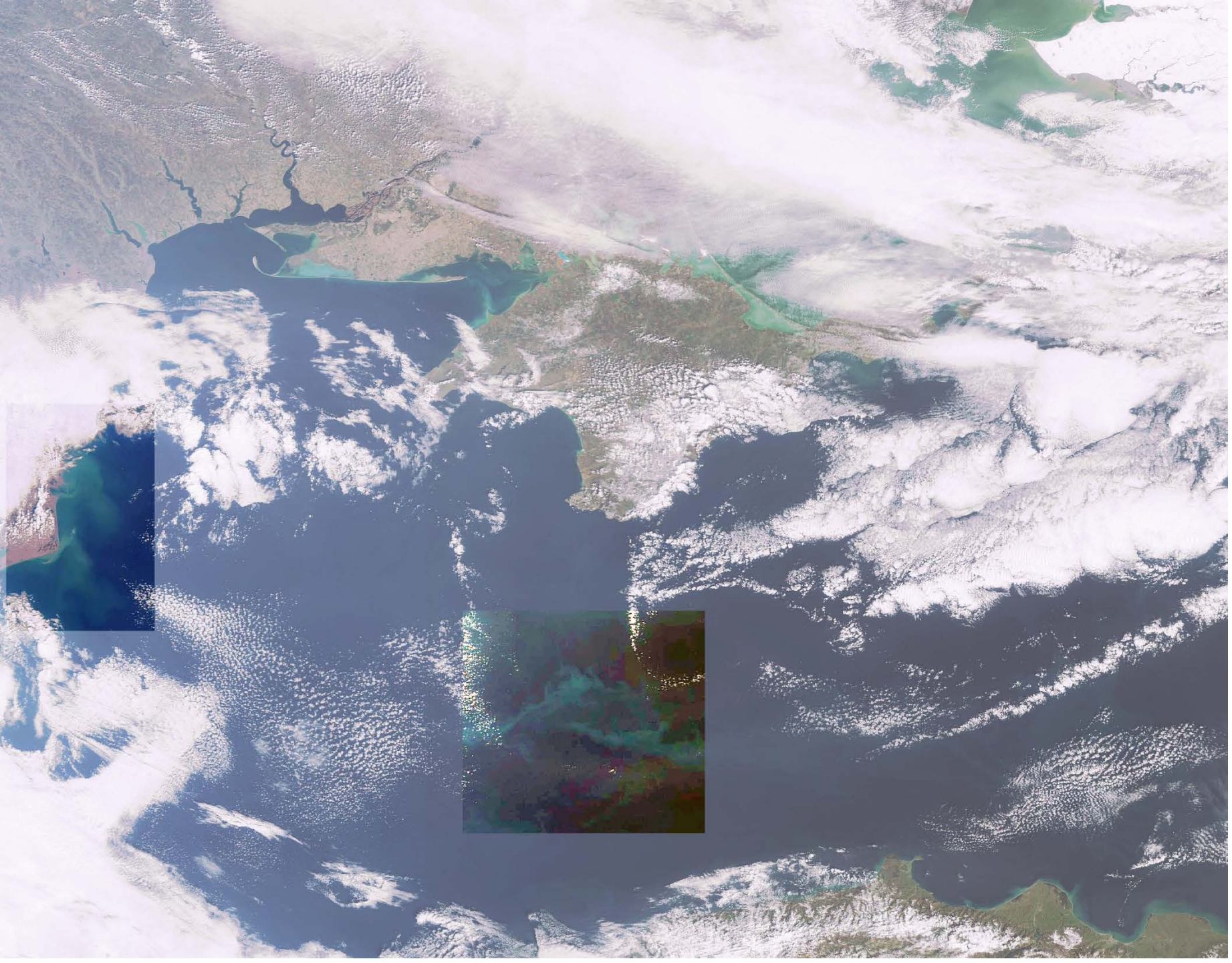
MERIS: MERIS Full Resolution Images

ASAR: ASAR (All Image modes)

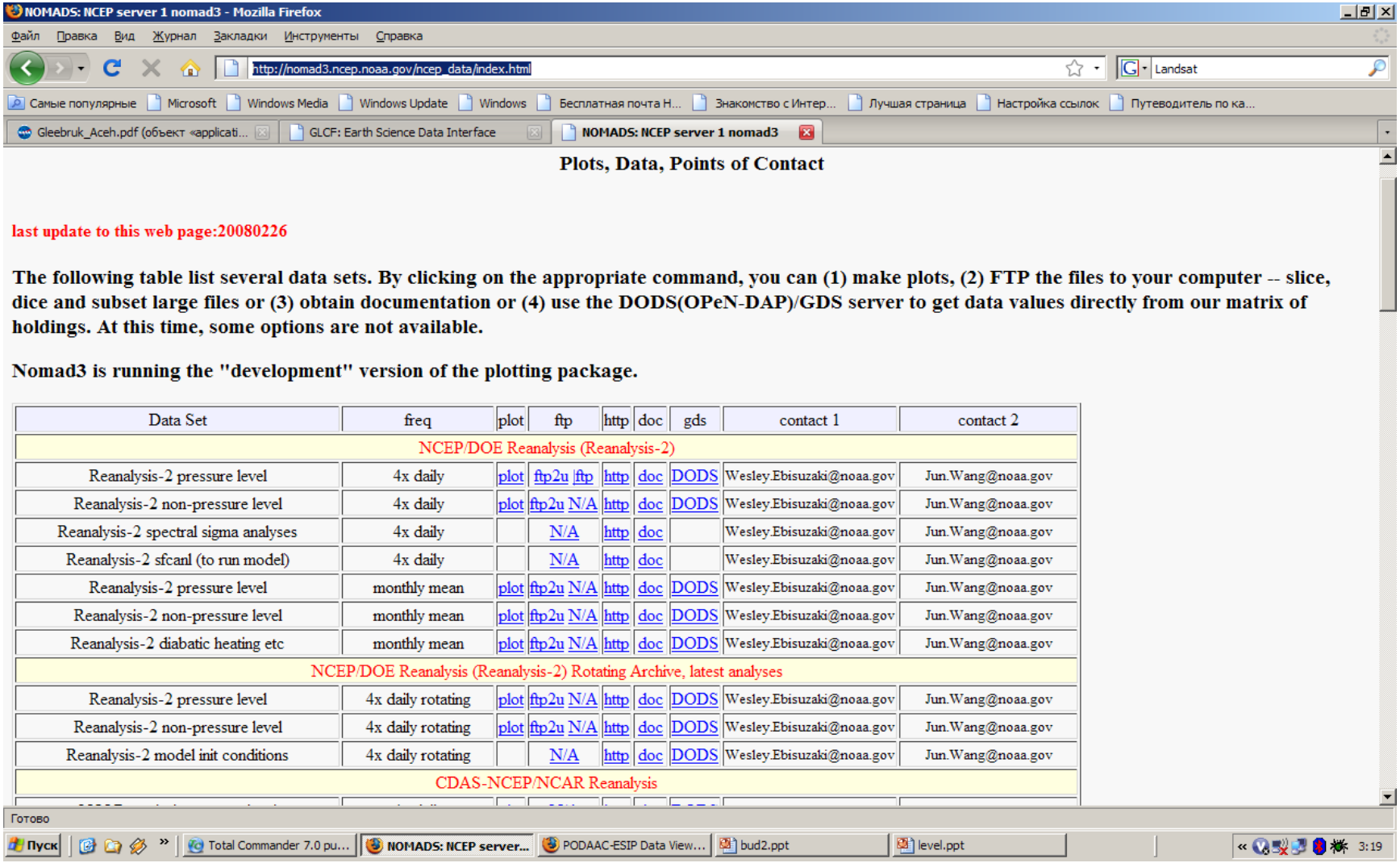
From: Start date | Stop date

First: Latitude 5.71 | Longitude -180

Done



http://nomad3.ncep.noaa.gov/ncep_data/index.htm
METEO data



Data Set	freq	plot	ftp	http	doc	gds	contact 1	contact 2
NCEP/DOE Reanalysis (Reanalysis-2)								
Reanalysis-2 pressure level	4x daily	plot	ftp2u ftp	http	doc	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Reanalysis-2 non-pressure level	4x daily	plot	ftp2u N/A	http	doc	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Reanalysis-2 spectral sigma analyses	4x daily		N/A	http	doc		Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Reanalysis-2 sfcanl (to run model)	4x daily		N/A	http	doc		Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Reanalysis-2 pressure level	monthly mean	plot	ftp2u N/A	http	doc	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Reanalysis-2 non-pressure level	monthly mean	plot	ftp2u N/A	http	doc	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Reanalysis-2 diabatic heating etc	monthly mean	plot	ftp2u N/A	http	doc	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
NCEP/DOE Reanalysis (Reanalysis-2) Rotating Archive, latest analyses								
Reanalysis-2 pressure level	4x daily rotating	plot	ftp2u N/A	http	doc	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Reanalysis-2 non-pressure level	4x daily rotating	plot	ftp2u N/A	http	doc	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Reanalysis-2 model init conditions	4x daily rotating		N/A	http	doc	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
CDAS-NCEP/NCAR Reanalysis								

N/N Reanalysis observation counts	monthly mean	plot	N/A	http			Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
NARR: North America Regional Reanalysis - BAMS dvd update								
CONUS (grib2)	daily mean	plot	g2sub	http	doc		Wesley.Ebisuzaki@noaa.gov	
GDAS: FNL Operational Analysis (real time)								
GDAS (FNL) analyses (grib2)	4x daily rotating	plot	g2sub	http	N/A	DODS	Wesley.Ebisuzaki@noaa.gov	Jun.Wang@noaa.gov
Climate Monitoring (real time)								
SST (Reynolds)	weekly/monthly means	plot	N/A	http			Diane.Stokes@noaa.gov	Wesley.Ebisuzaki@noaa.gov
OLR	monthly means	plot	N/A	http			John.Janowiak@noaa.gov	Wesley.Ebisuzaki@noaa.gov
OLR/OLRA	pentad means	plot	N/A	http			John.Janowiak@noaa.gov	Wesley.Ebisuzaki@noaa.gov
CAMS-OPI precipitation	monthly	plot					John.Janowiak@noaa.gov	Wesley.Ebisuzaki@noaa.gov
Climate Monitoring (delayed updates)								
AMIP	12 hours	plot	N/A	http		DODS	Jordan.Alpert@noaa.gov	Suranjana.Saha@noaa.gov
Observations								
Clouds from AVhrR (CLAVR) 0.5 deg	daily 6-h	plot	ftp2u	http	doc	DODS	jordan.alpert@noaa.gov	Kenneth.Campana@noaa.gov
Forecasts								
GFS 1x1 (rotating)	6 hours	plot	g2sub	http	doc	DODS	Jordan.Alpert@noaa.gov	Wesley.Ebisuzaki@noaa.gov
GFS 0.5x0.5 (rotating) grib2	3 hours	plot	g2sub	http	doc	DODS	Jordan.Alpert@noaa.gov	Wesley.Ebisuzaki@noaa.gov
GFS High Resolution 1x1 to 7 days	3 hours	plot	ftp2u N/A	http	doc	DODS	Jordan.Alpert@noaa.gov	N/A
GFS High Resolution (0.5 degree, 1 week)	6 hours	plot	ftp2u N/A	http	doc	DODS	Jordan.Alpert@noaa.gov	N/A
GFS Low Resolution (2 month archive)	1 day	plot	N/A	http	doc	DODS	Jordan.Alpert@noaa.gov	N/A
NAM (WRF-NMM)	6 hours	plot	ftp2u	http	doc	DODS	Jordan.Alpert@noaa.gov	Jun.Wang@noaa.gov
SREF	12 hours	plot	N/A	http		DODS	Jordan.Alpert@noaa.gov	Jun.Wang@noaa.gov
RSM	1 month	plot	N/A	http		DODS	Henry.Juang@noaa.gov	Jun.Wang@noaa.gov

display plot

Instructions
1. Select a control file (dataset)
2. Select options
3. Select plot type
4. Click on **Next Page**
go to easy version

Control file:

- (•) gfs_t00z.ctl 0.5 degree gfs forecasts 00Z13oct2009
- ( ) gfs_t06z.ctl 0.5 degree gfs forecasts 06Z13oct2009
- ( ) gfs_t12z.ctl 0.5 degree gfs forecasts 12Z13oct2009
- ( ) gfs_t18z.ctl 0.5 degree gfs forecasts 18Z13oct2009

Options:

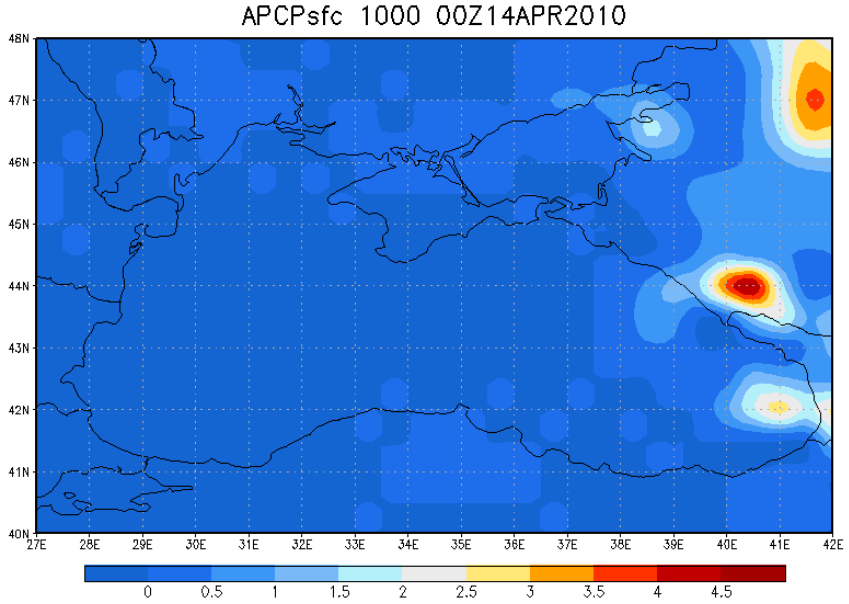
- [x] include variable definitions and units
- [ ] Create postscript plot file

Plot on ( ) same window (•) separate window ( ) multiple windows

Plot type:

(•) map ( ) time series ( ) lat/lon vs time ( ) Animation

Next Page home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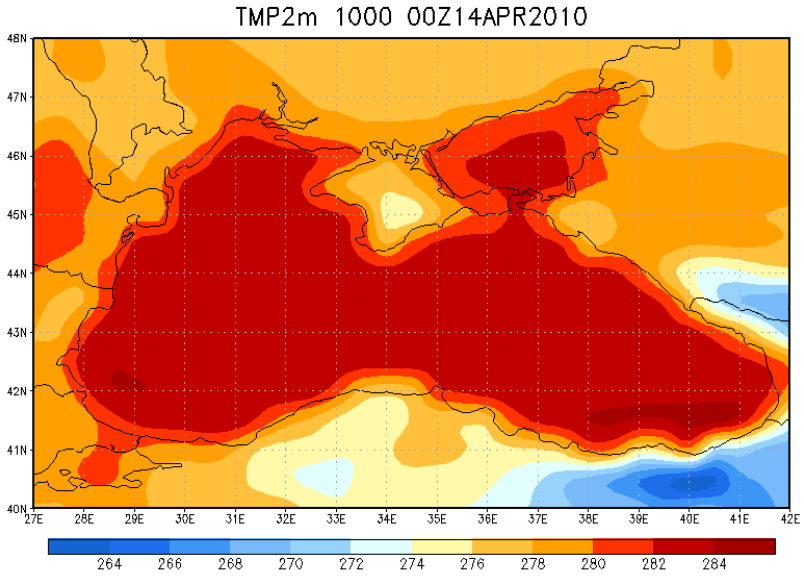
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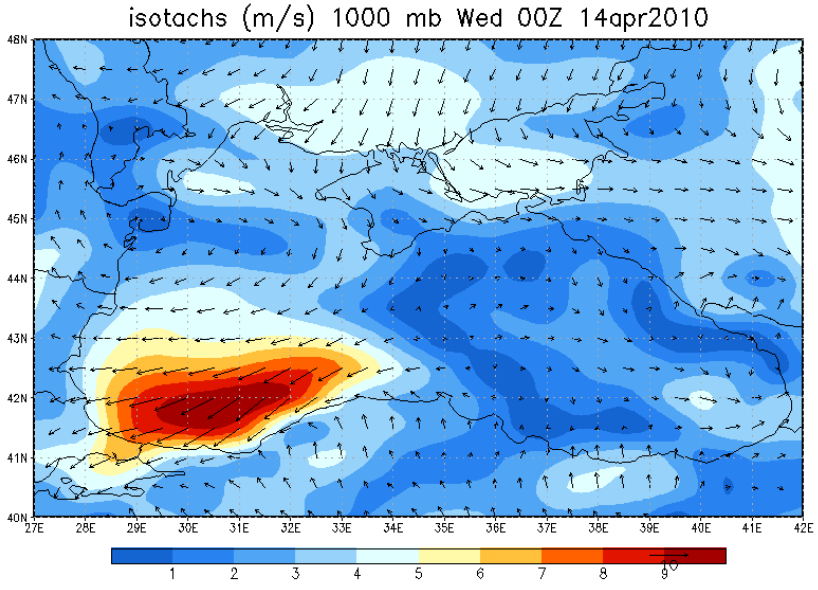
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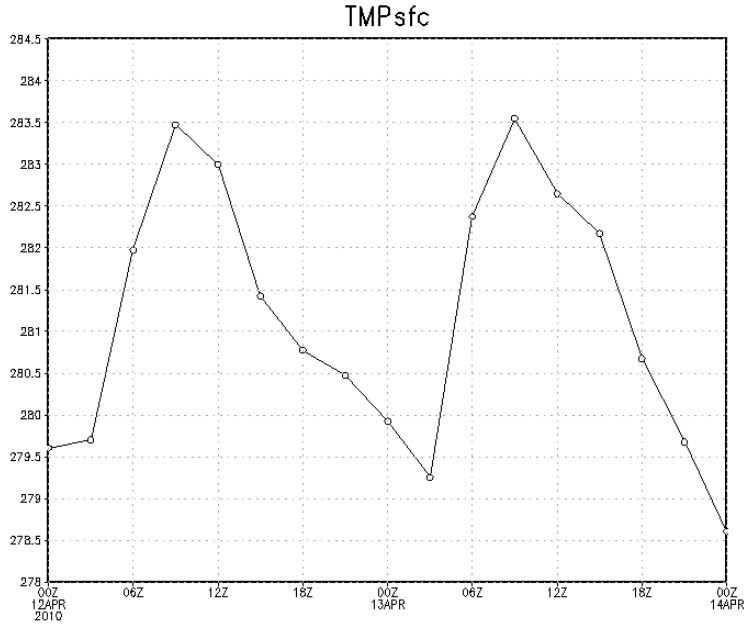
TMPsfc
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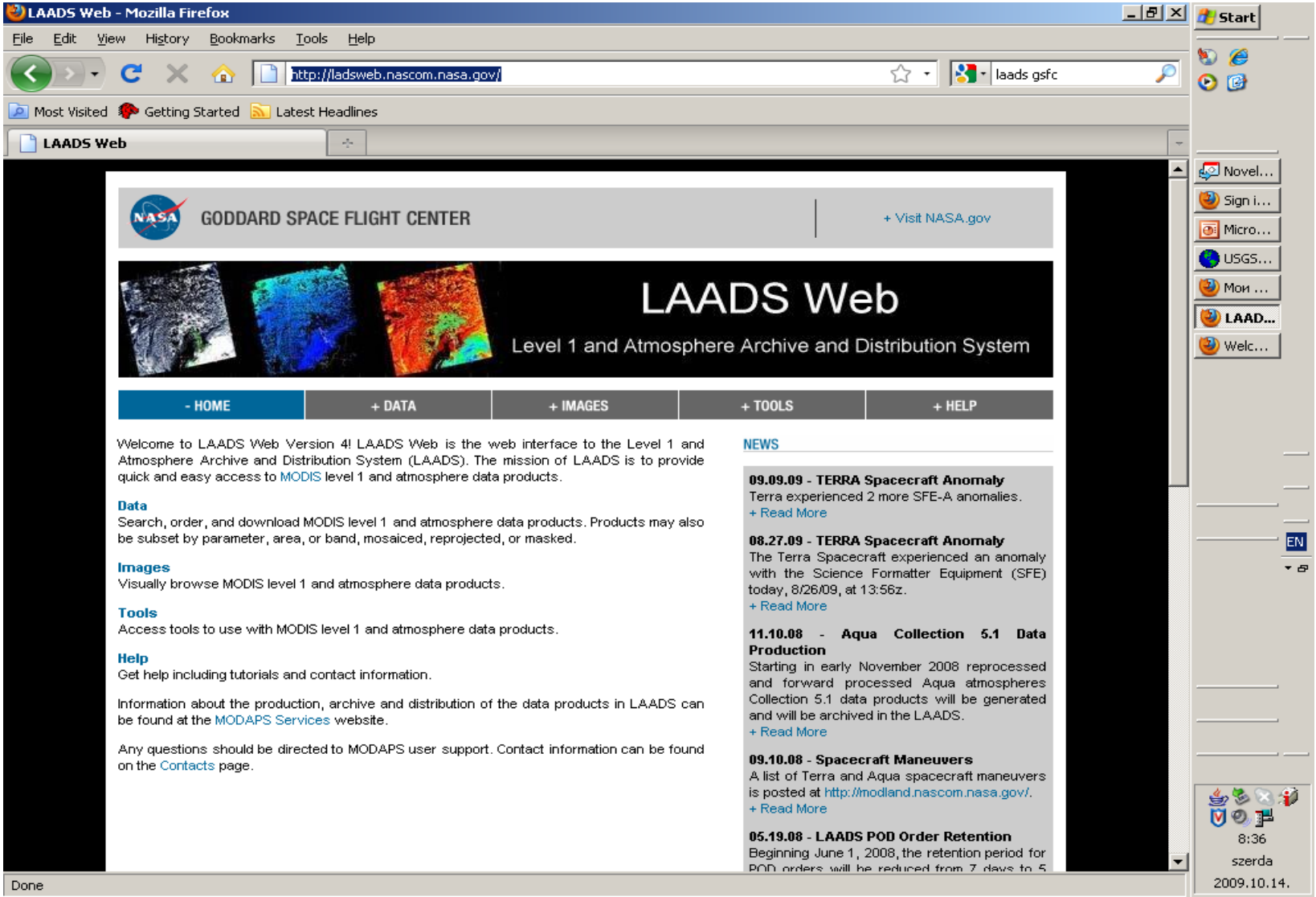
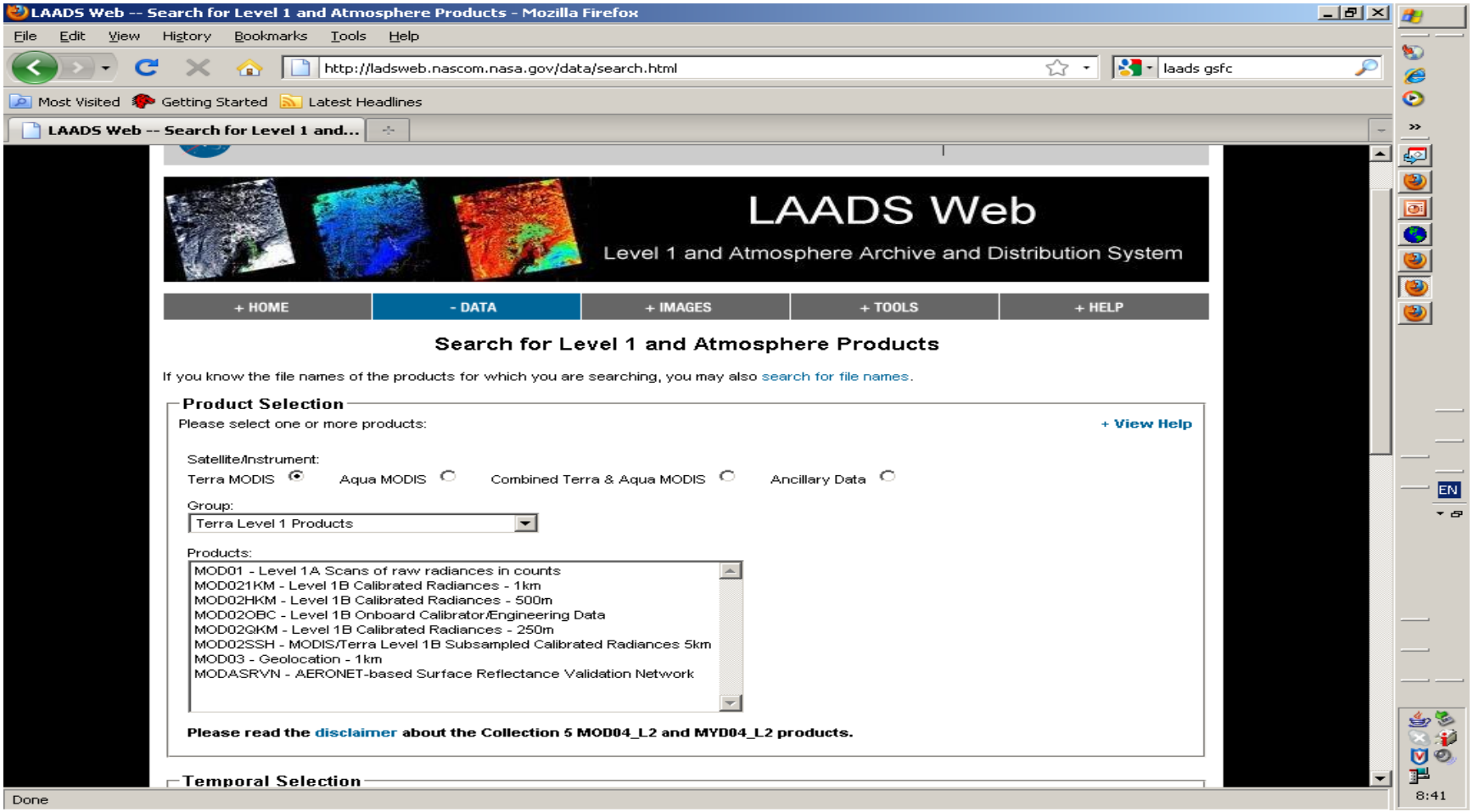
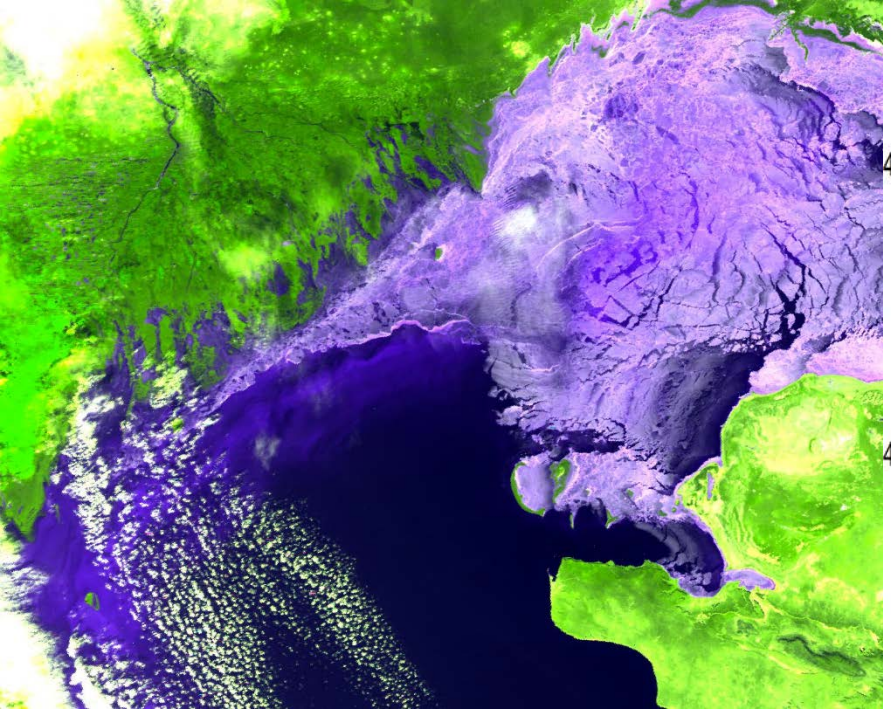
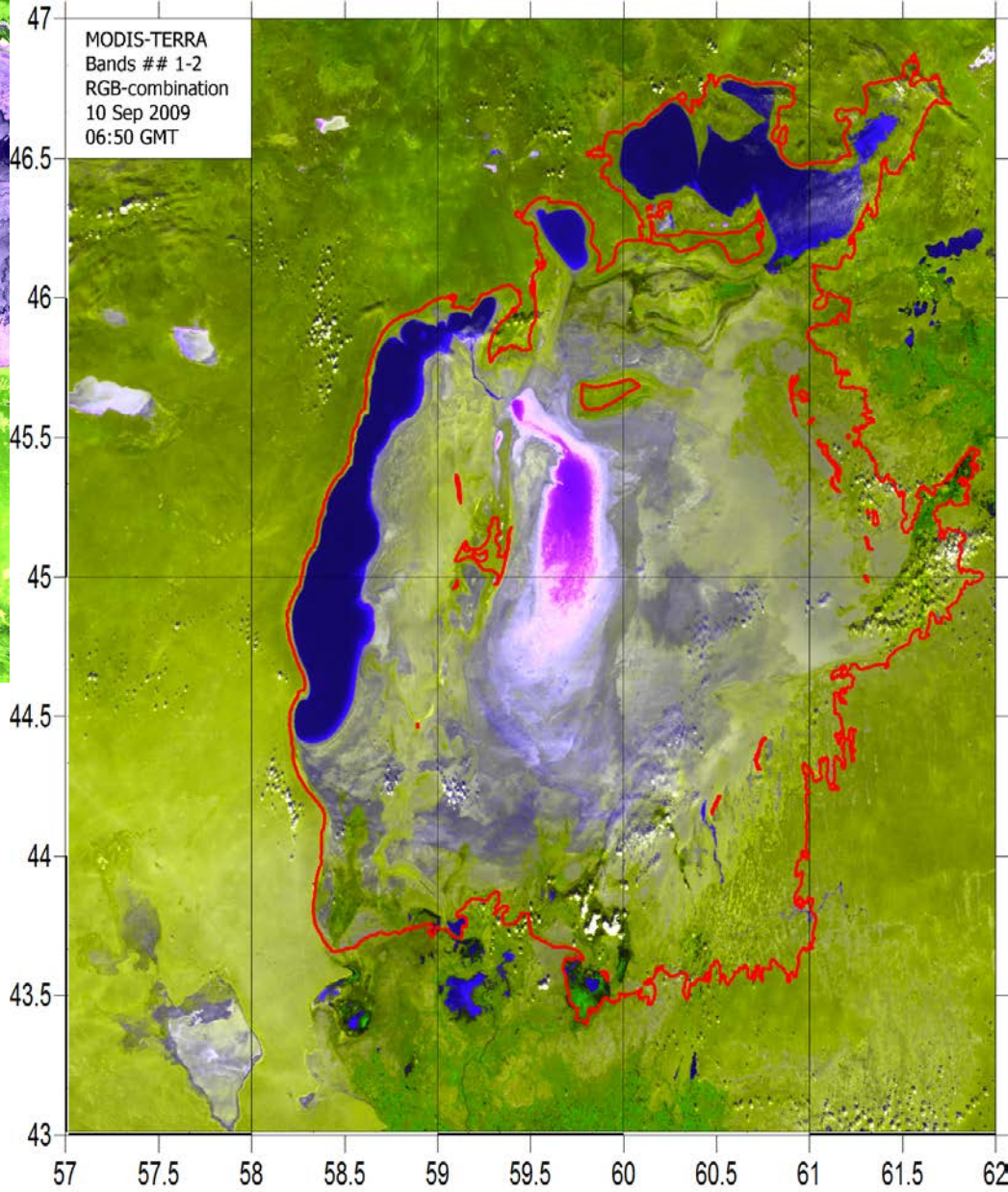
http://ladsweb.nascom.nasa.gov/



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



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RGB-combination
10 Sep 2009
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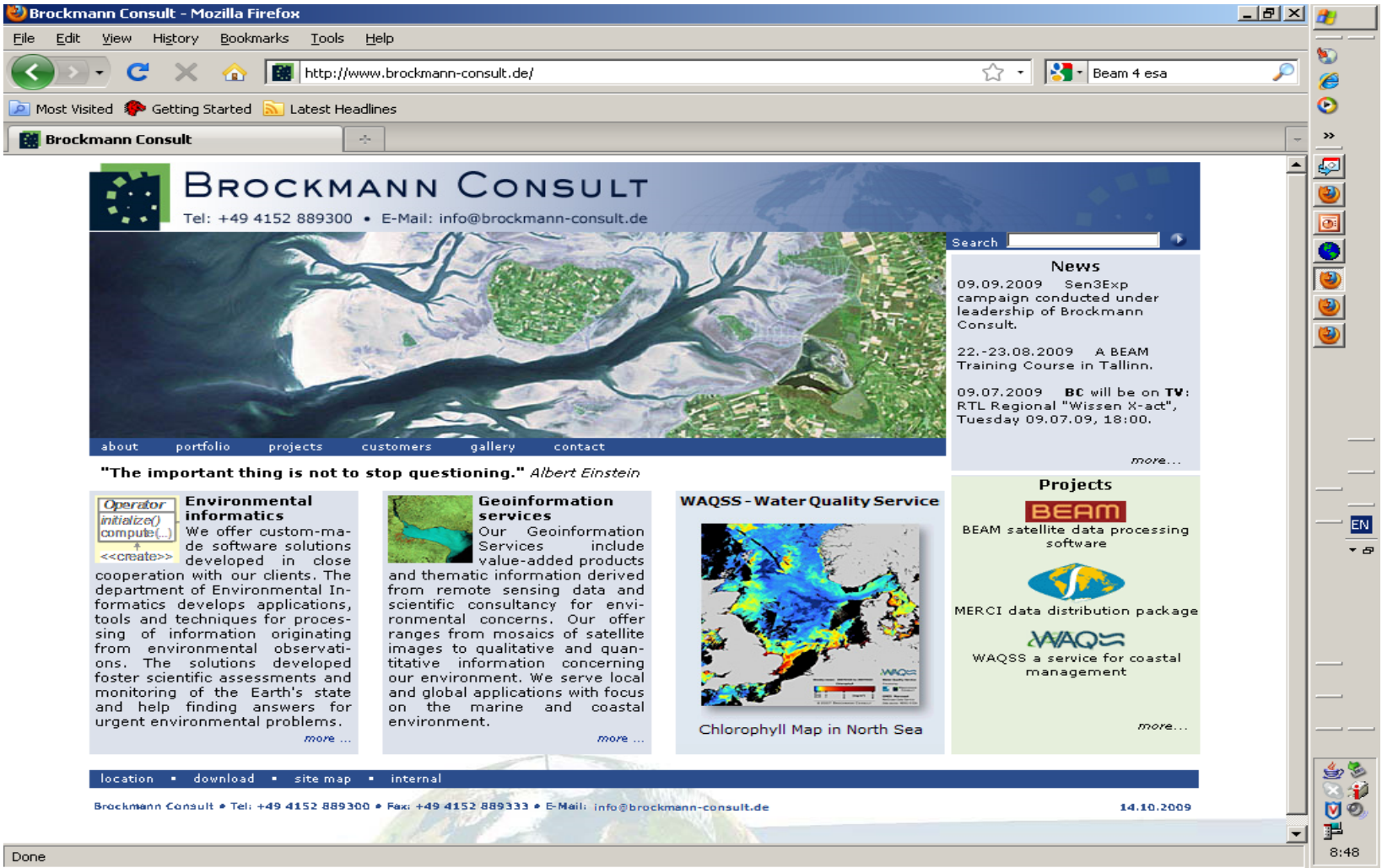
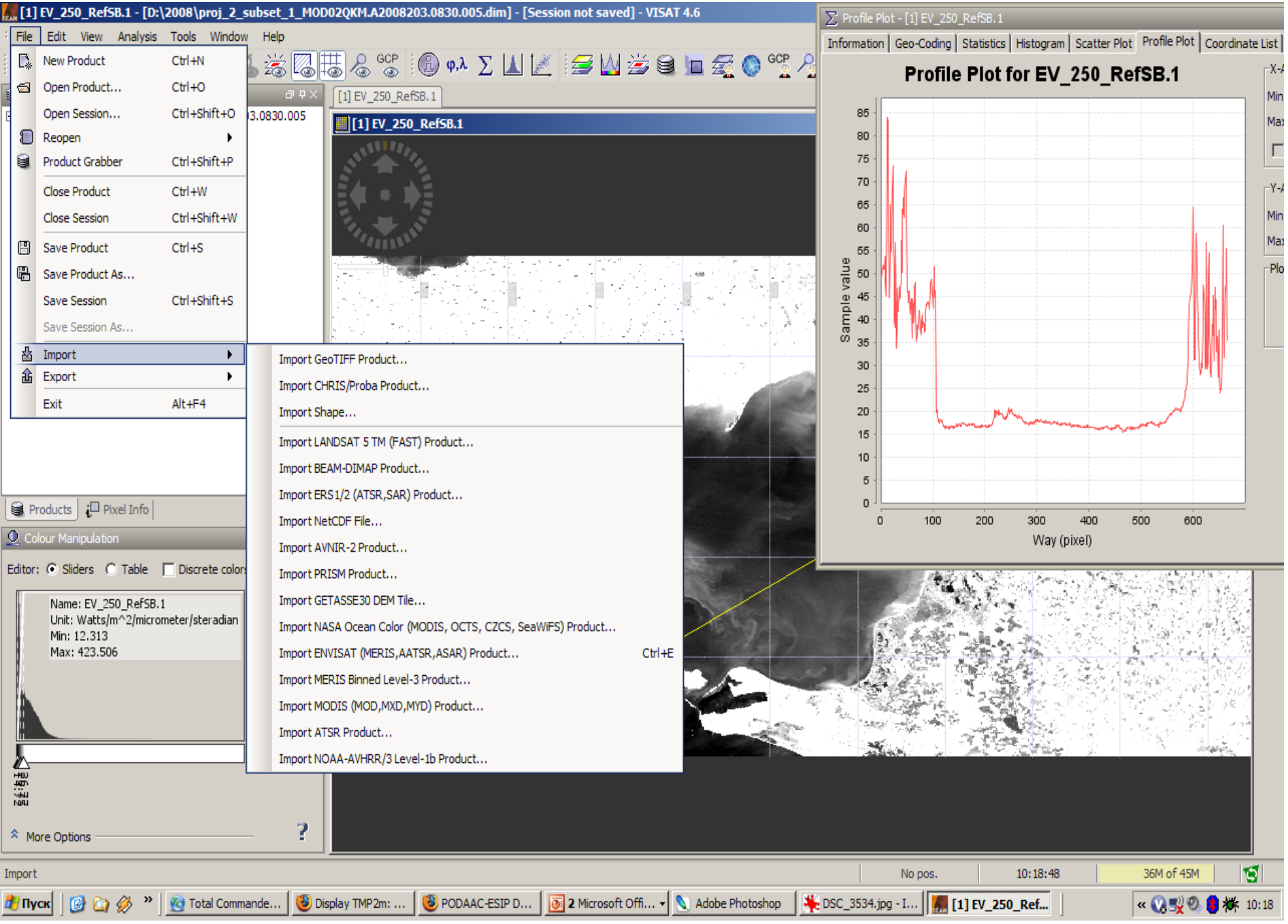
Tools - http://www.brockmann-consult.de/

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File
Edit
View
Analysis
Tools
Window
Help
New Product Ctrl+N
Open Product... Ctrl+O
Open Session... Ctrl+Shift+O
Reopen
Product Grabber Ctrl+Shift+P
Close Product Ctrl+W
Close Session Ctrl+Shift+W
Save Product Ctrl+S
Save Product As...
Save Session Ctrl+Shift+S
Save Session As...
Import
Export
Exit Alt+F4
Import GeoTIFF Product...
Import CHRIS/Proba Product...
Import Shape...
Import LANDSAT 5 TM (FAST) Product...
Import BEAM-DIMAP Product...
Import ERS1/2 (ATSR,SAR) Product...
Import NetCDF File...
Import AVNIR-2 Product...
Import PRISM Product...
Import GETASSE30 DEM Tile...
Import NASA Ocean Color (MODIS, OCTS, CZCS, SeaWiFS) Product...
Import ENVISAT (MERIS,AATSR,ASAR) Product... Ctrl+E
Import MERIS Binned Level-3 Product...
Import MODIS (MOD,MXD,MYD) Product...
Import ATSR Product...
Import NOAA-AVHRR/3 Level-1b Product...
[1] EV_250_RefSB.1
Products
Pixel Info
Colour Manipulation
Editor: Sliders Table Discrete colors
Name: EV_250_RefSB.1
Unit: Watts/m^2/micrometer/steradian
Min: 12.313
Max: 423.506
More Options
Profile Plot - [1] EV_250_RefSB.1
Information
Geo-Coding
Statistics
Histogram
Scatter Plot
Profile Plot
Coordinate List
Profile Plot for EV_250_RefSB.1
Sample value
Way (pixel)
Import
No pos.
10:18:48
36M of 45M
Пуск
Total Commande...
Display TMP2m: ...
PODAAC-ESIP D...
2 Microsoft Offi...
Adobe Photoshop
DSC_3534.jpg - I...
[1] EV_250_Ref...
10:18

Remote Sensing Department

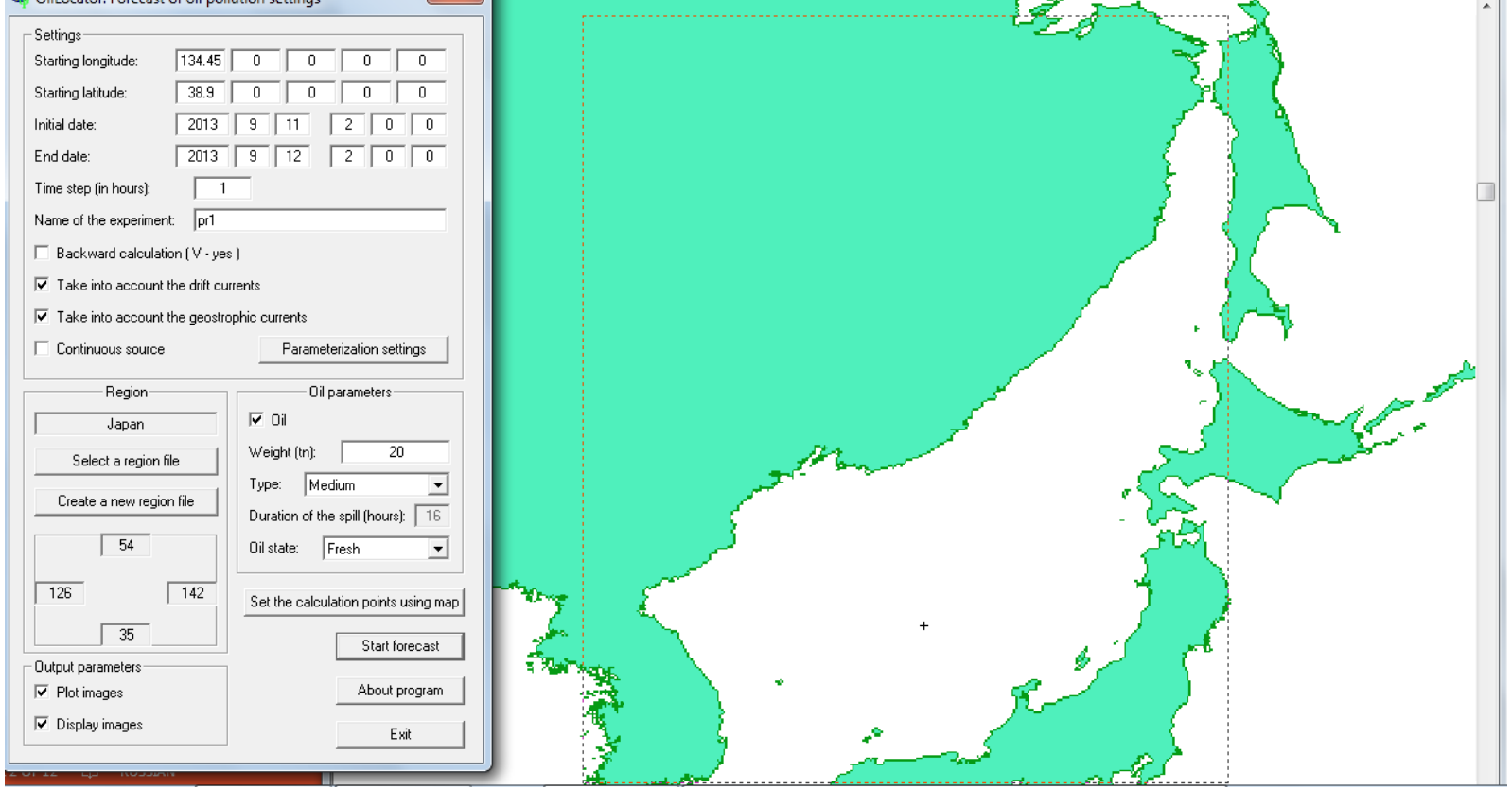
- Два программных комплекса:

Floating Object Tracking System (FOTS)

Система для расчёта траекторий перемещения плавающих объектов

Multiarchives data Grabber (KUST)

Инструмент для регионального мониторинга.



AVISO SLA + MDT ⟶ GEOSTROPHIC CURRENTS

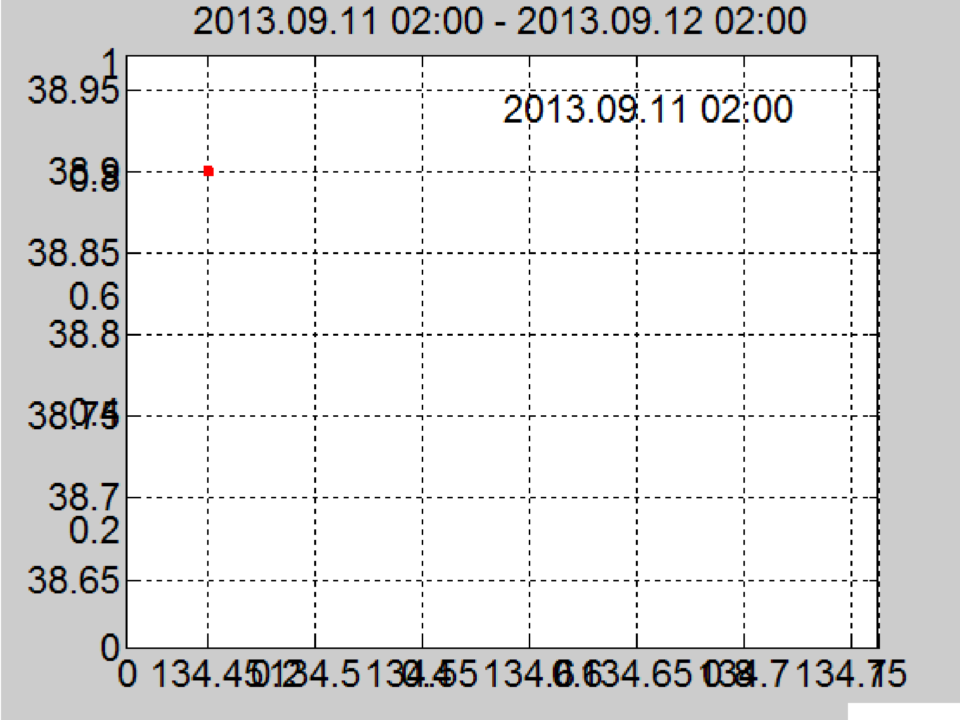
GFS NOAA WIND ⟶ Surface Wind drift

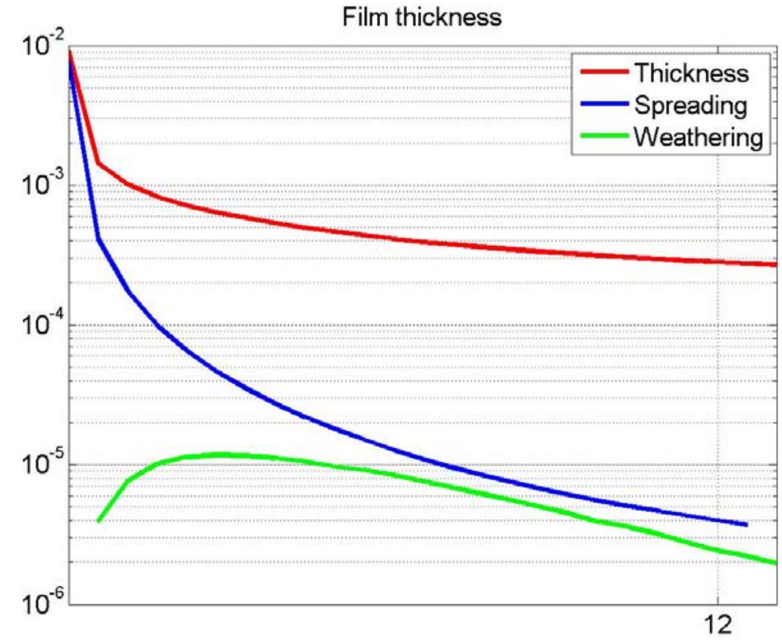
GEOSTROPHIC CURRENTS + Surface Wind driven currents

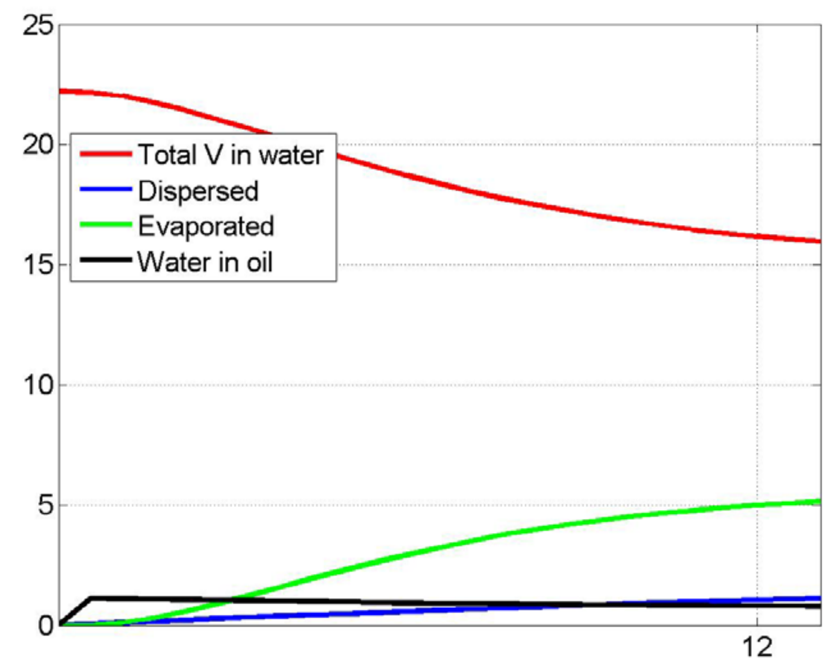
= SURFACE CURRENTS

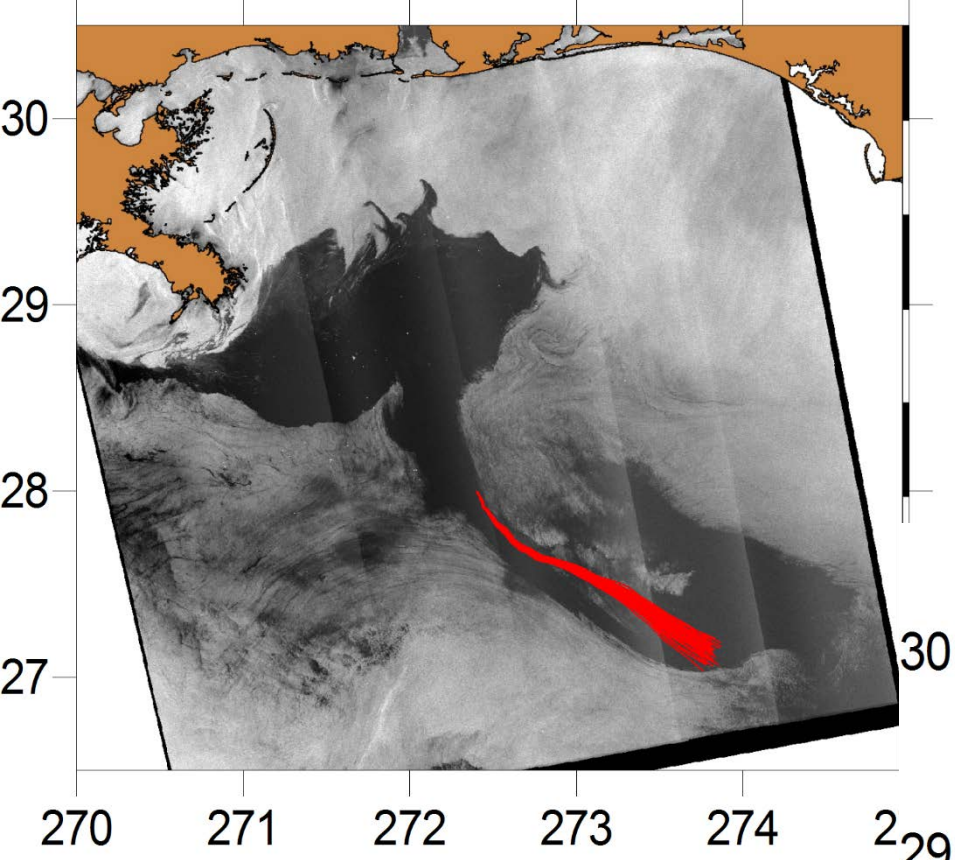
+ OIL MODEL

Output – maps and data for wind, surface and geostrophic currents, SLA, ASL, trajectories + animations

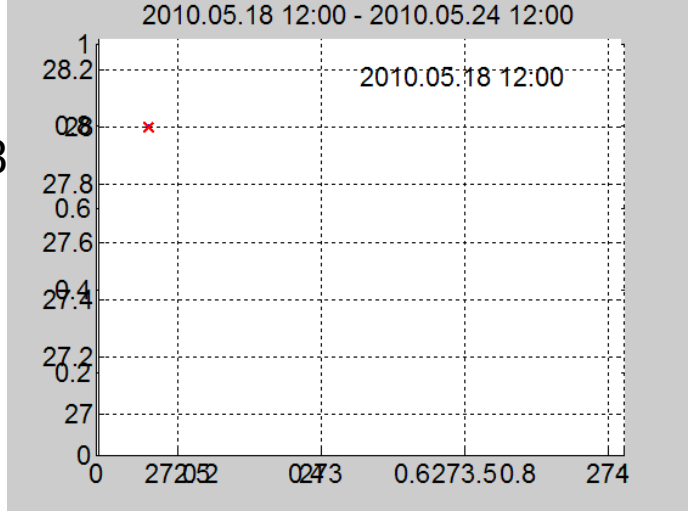

2013.09.11 02:00 - 2013.09.12 02:00
2013.09.11 02:00
1
38.95
38.85
0.6
38.8
38.7
0.2
38.65
0

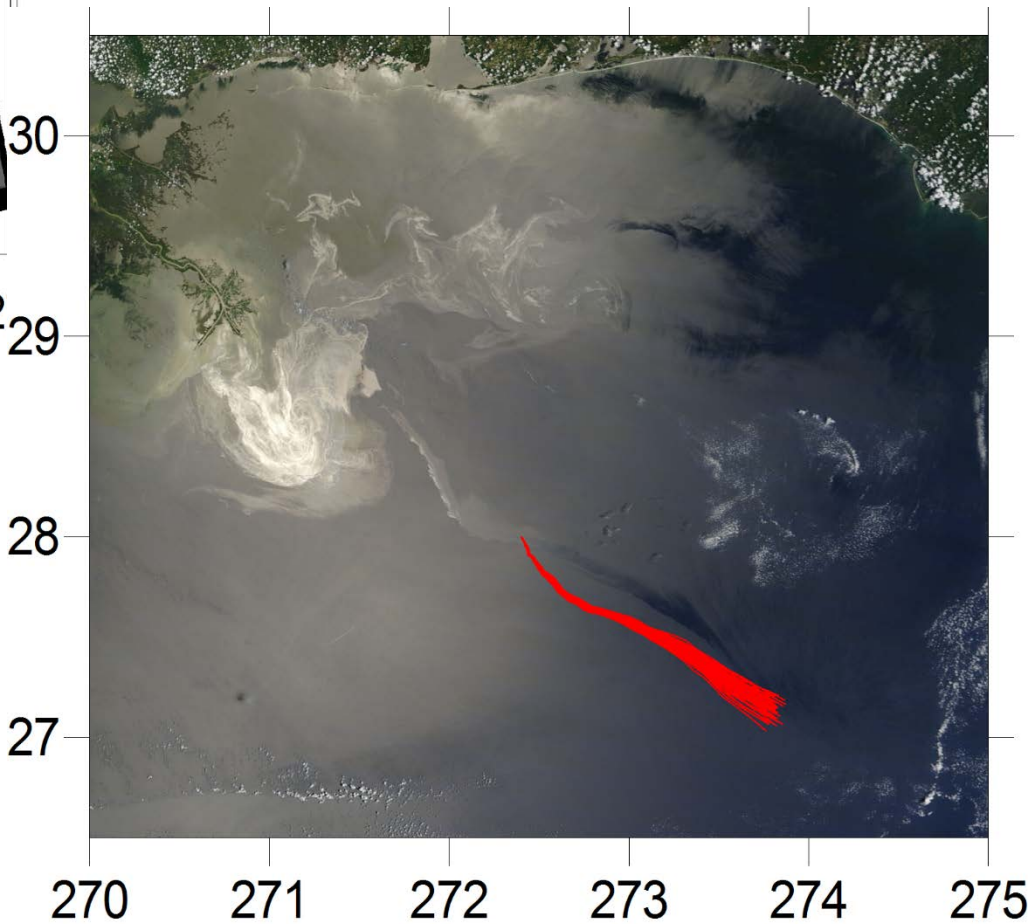

Film thickness
Thickness
Spreading
Weathering
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
12


Total V in water
Dispersed
Evaporated
Water in oil
25
20
15
10
5
0
12



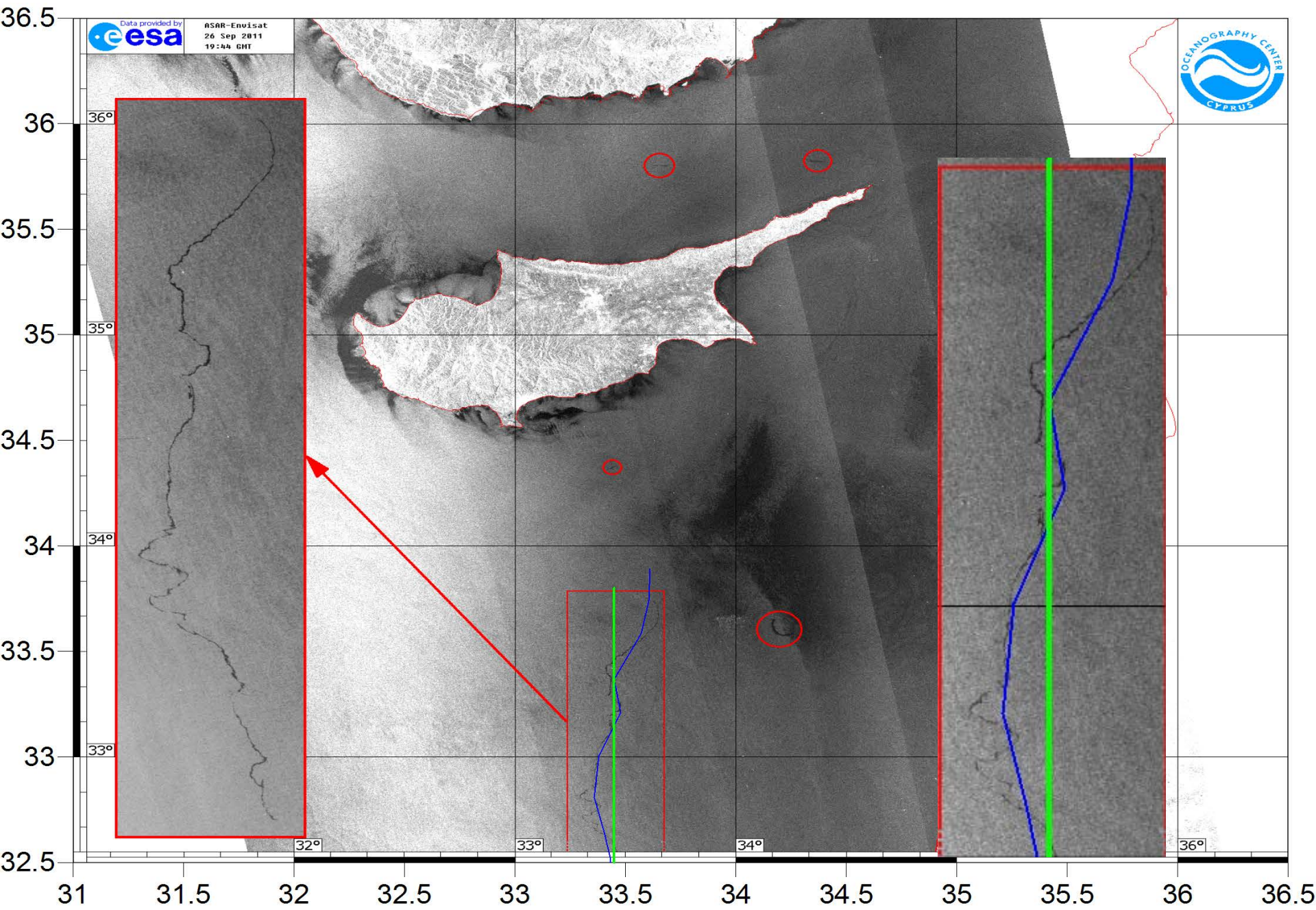
ASAR
ESA May18





MODIS Terra May24

ASAR September 26 2011 tank cleaning footprint



MULTIARCHVES TOOL

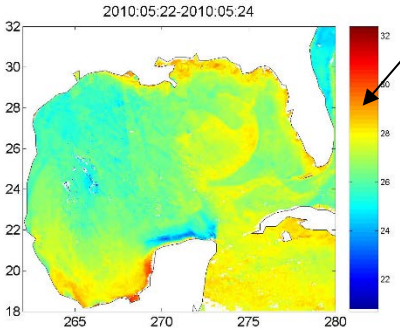
NOAA
WIND

NASA
SST, CHL_A

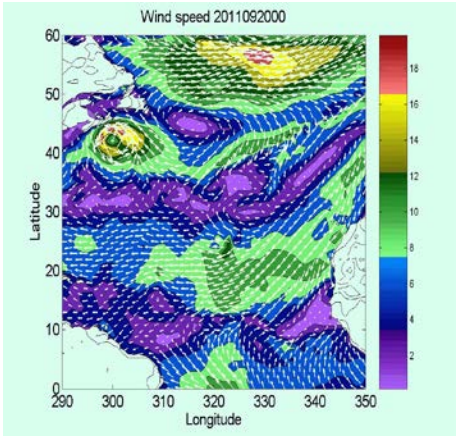
ESA
ALTIMETRY

SatMonitorMHI

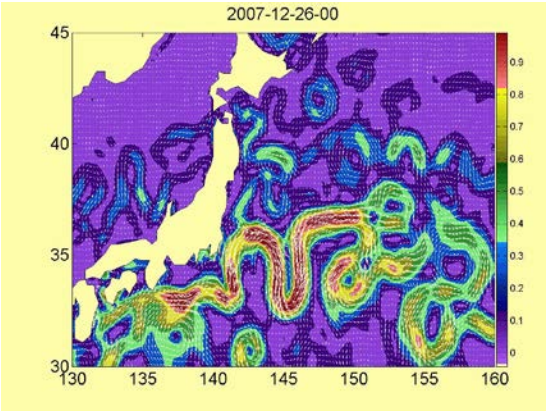
SST



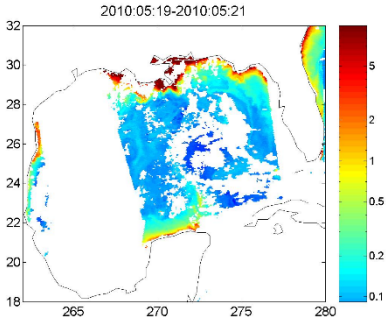
Wind



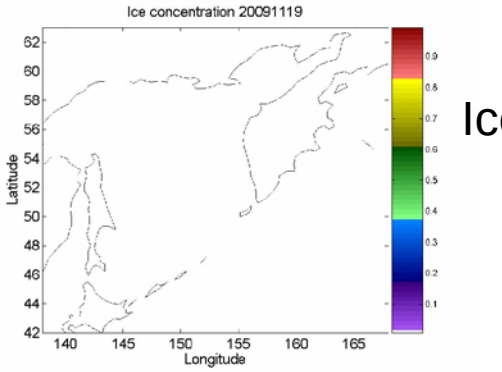
Surface currents

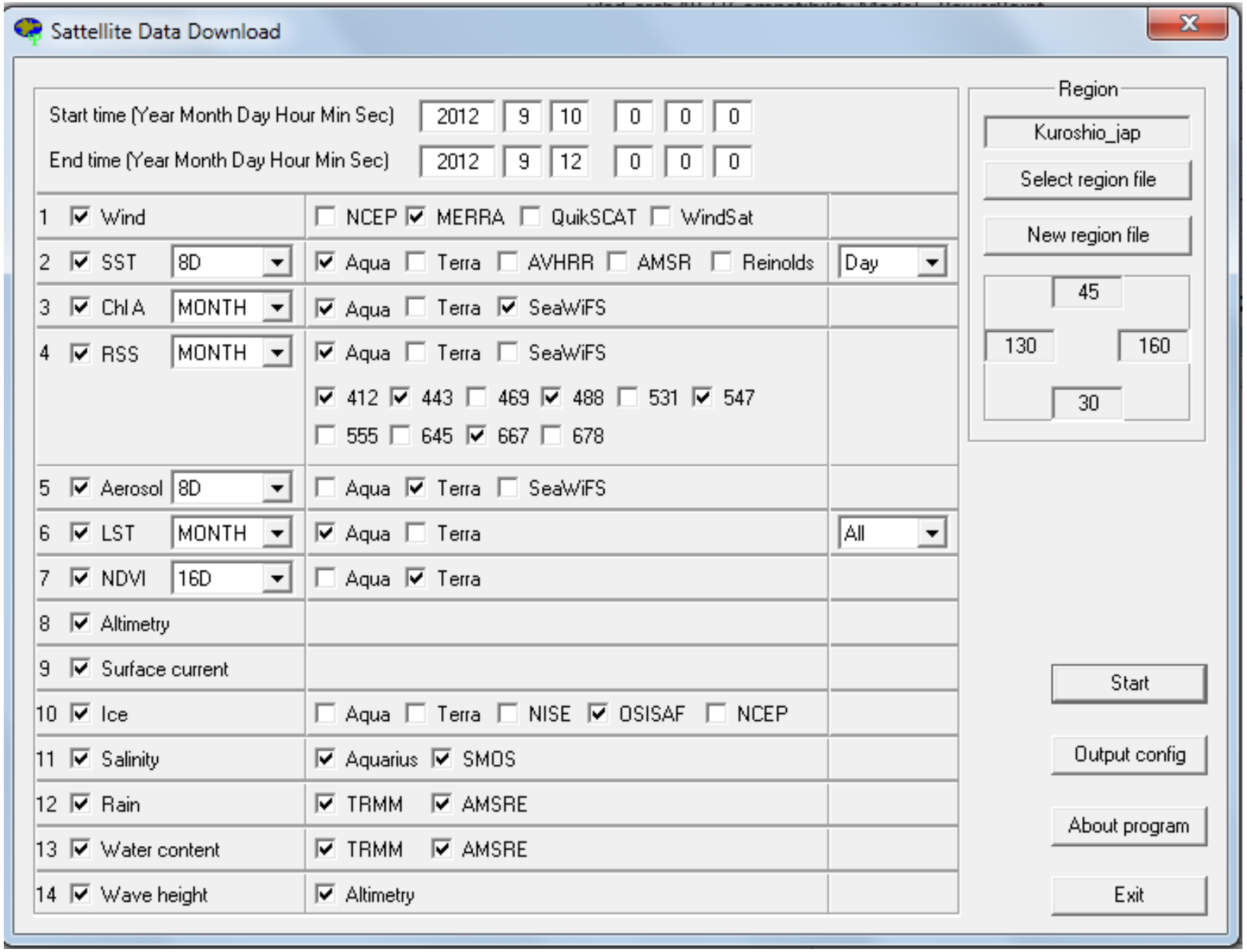


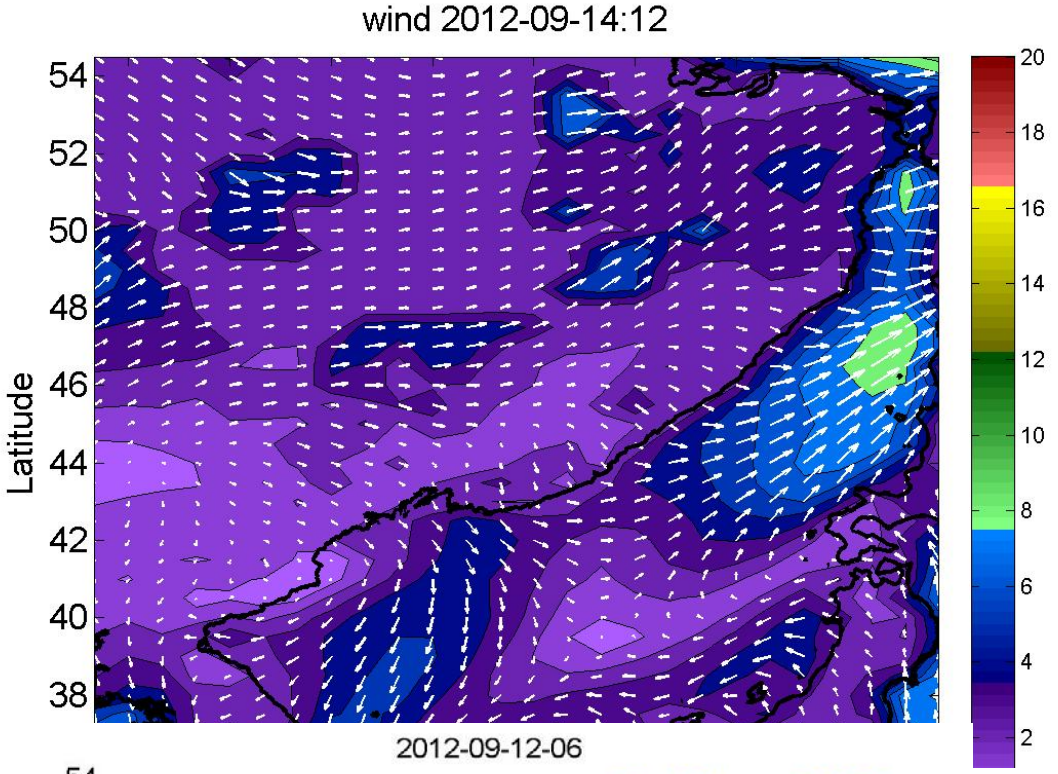
CHL_a

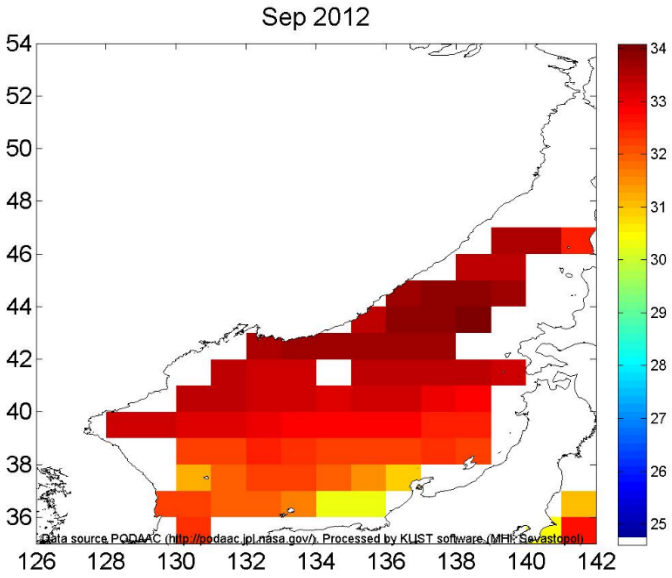


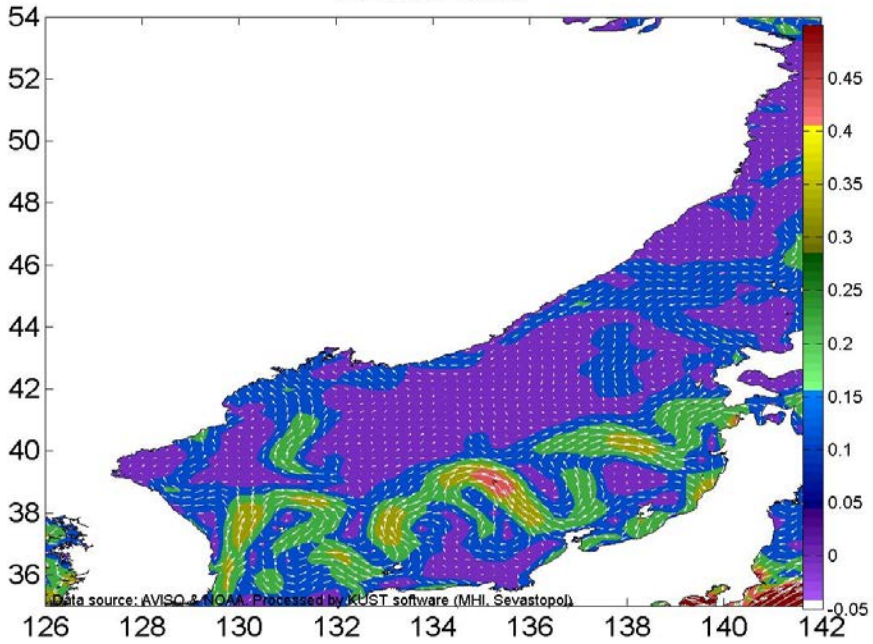
Ice

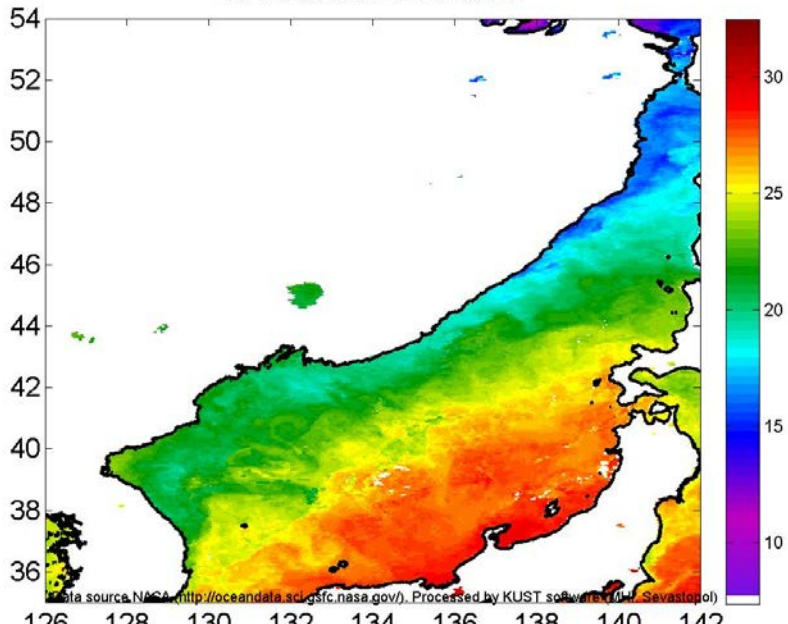


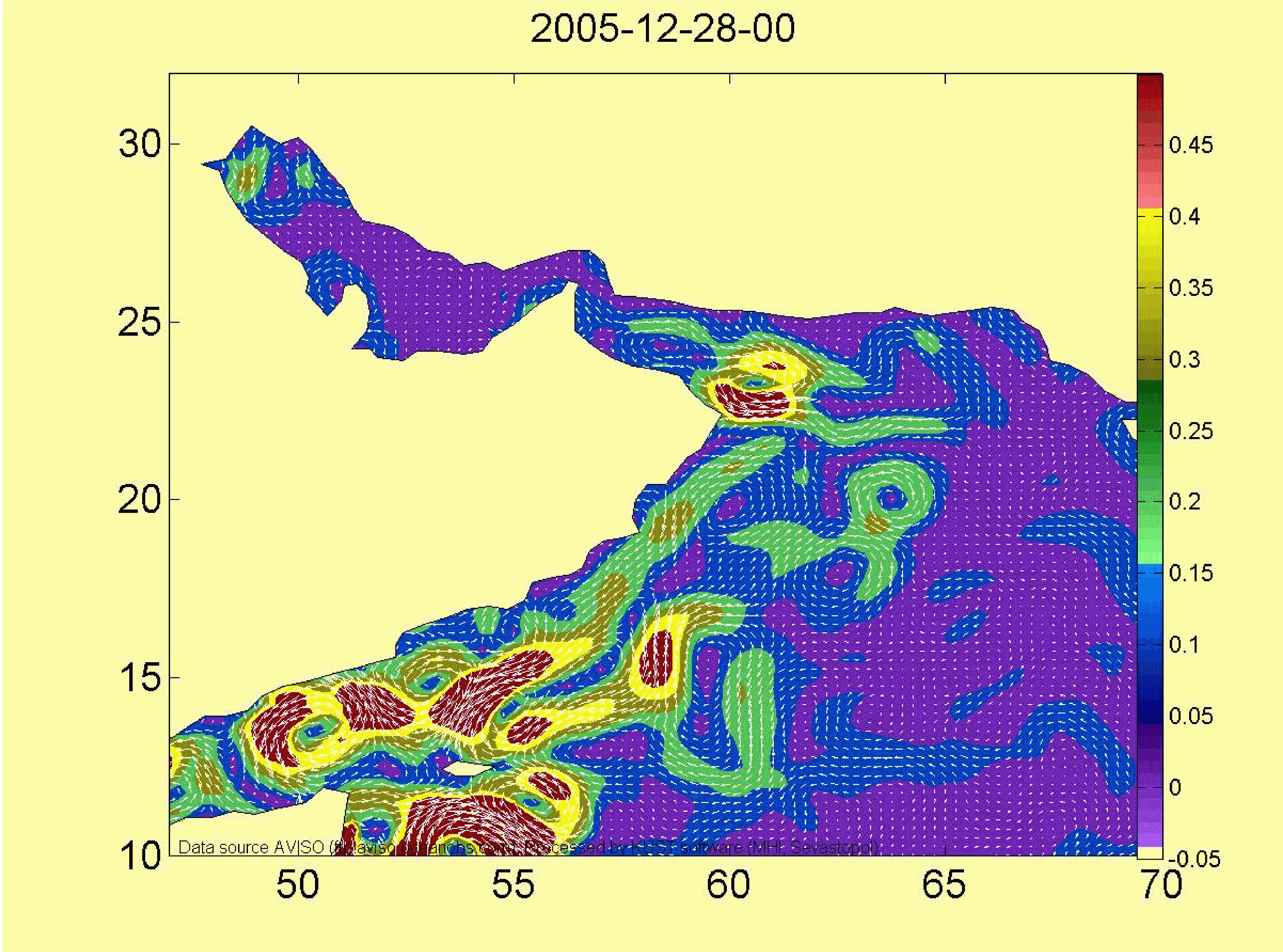

Sattellite Data Download
Start time (Year Month Day Hour Min Sec) 2012 9 10 0 0 0
End time (Year Month Day Hour Min Sec) 2012 9 12 0 0 0
1 Wind NCEP MERRA QuikSCAT WindSat
2 SST 8D Aqua Terra AVHRR AMSR Reinolds Day
3 ChlA MONTH Aqua Terra SeaWiFS
4 RSS MONTH Aqua Terra SeaWiFS
412 443 469 488 531 547
555 645 667 678
5 Aerosol 8D Aqua Terra SeaWiFS
6 LST MONTH Aqua Terra All
7 NDVI 16D Aqua Terra
8 Altimetry
9 Surface current
10 Ice Aqua Terra NISE OSISAF NCEP
11 Salinity Aquarius SMOS
12 Rain TRMM AMSRE
13 Water content TRMM AMSRE
14 Wave height Altimetry
Region
Kuroshio_jap
Select region file
New region file
45
130
160
30
Start
Output config
About program
Exit


wind 2012-09-14:12
Latitude
54
52
50
48
46
44
42
40
38
20
18
16
14
12
10
8
6
4
2

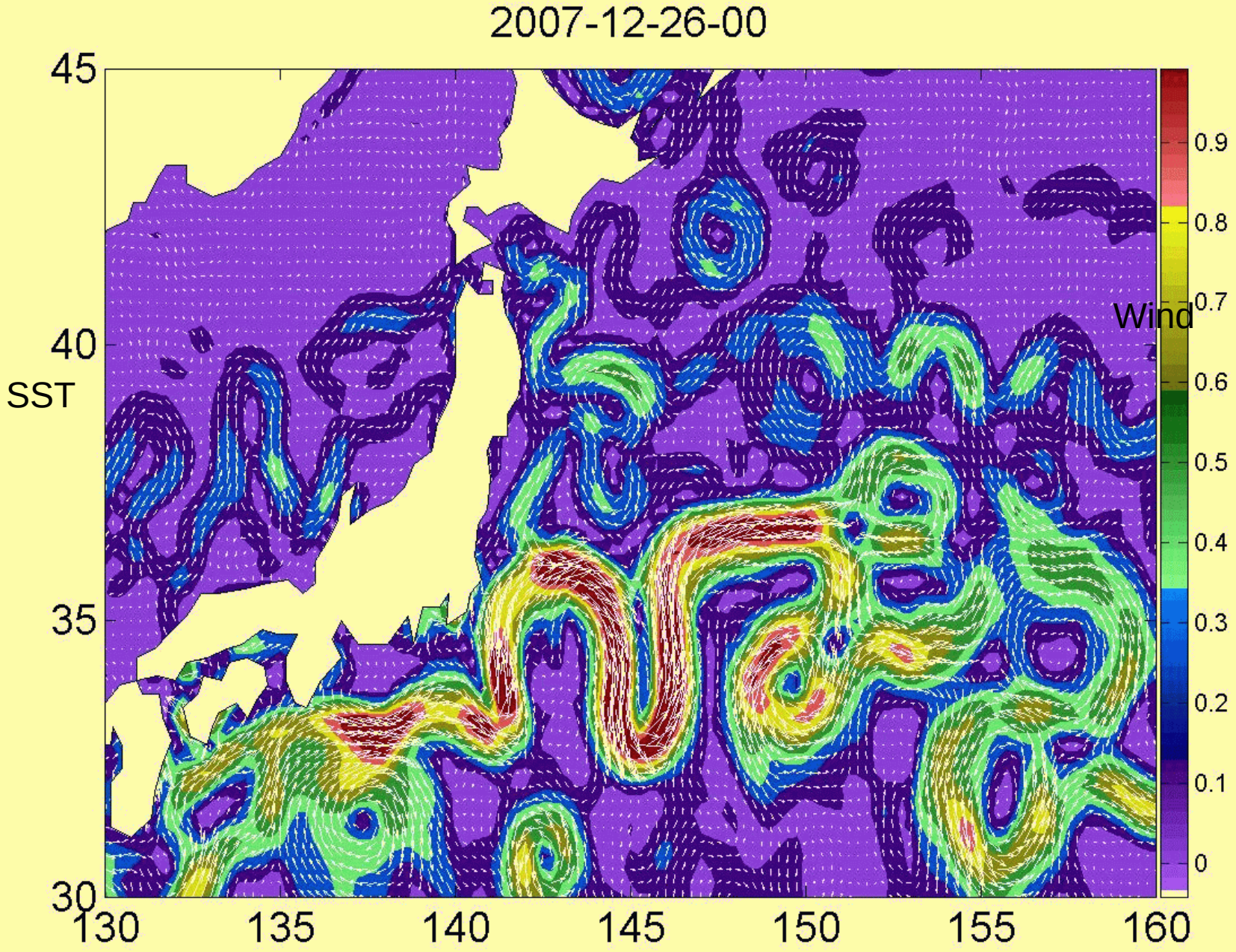

Sep 2012
54
52
50
48
46
44
42
40
38
36
126
128
130
132
134
136
138
140
142
34
33
32
31
30
29
28
27
26
25
Data source PODAAC (http://podaac.jpl.nasa.gov/). Processed by KUST software (MHI, Sevastopol)

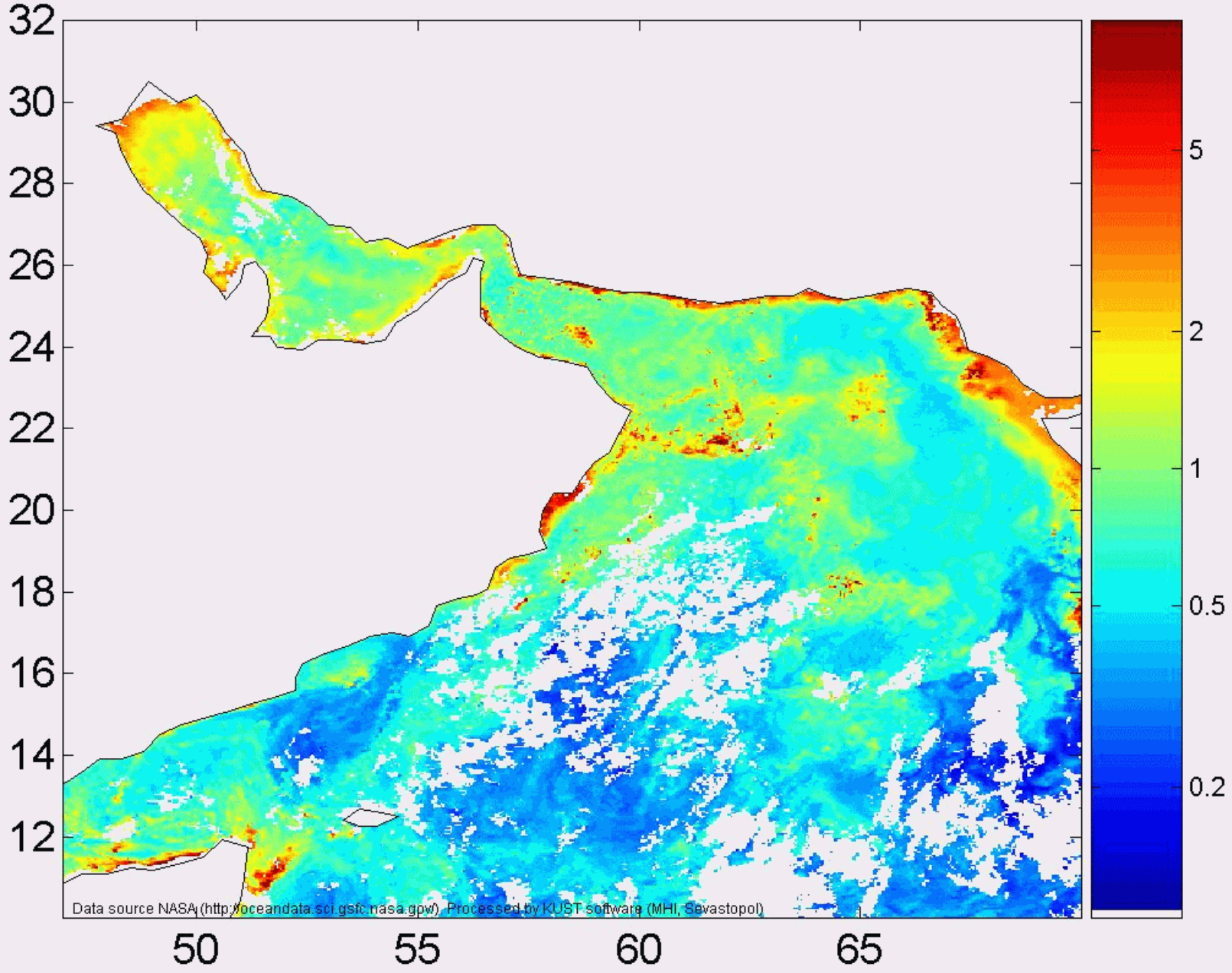

2012-09-12-06
54
52
50
48
46
44
42
40
38
36
126
128
130
132
134
136
138
140
142
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
Data source: AVISO & NOAA. Processed by KUST software (MHI, Sevastopol)

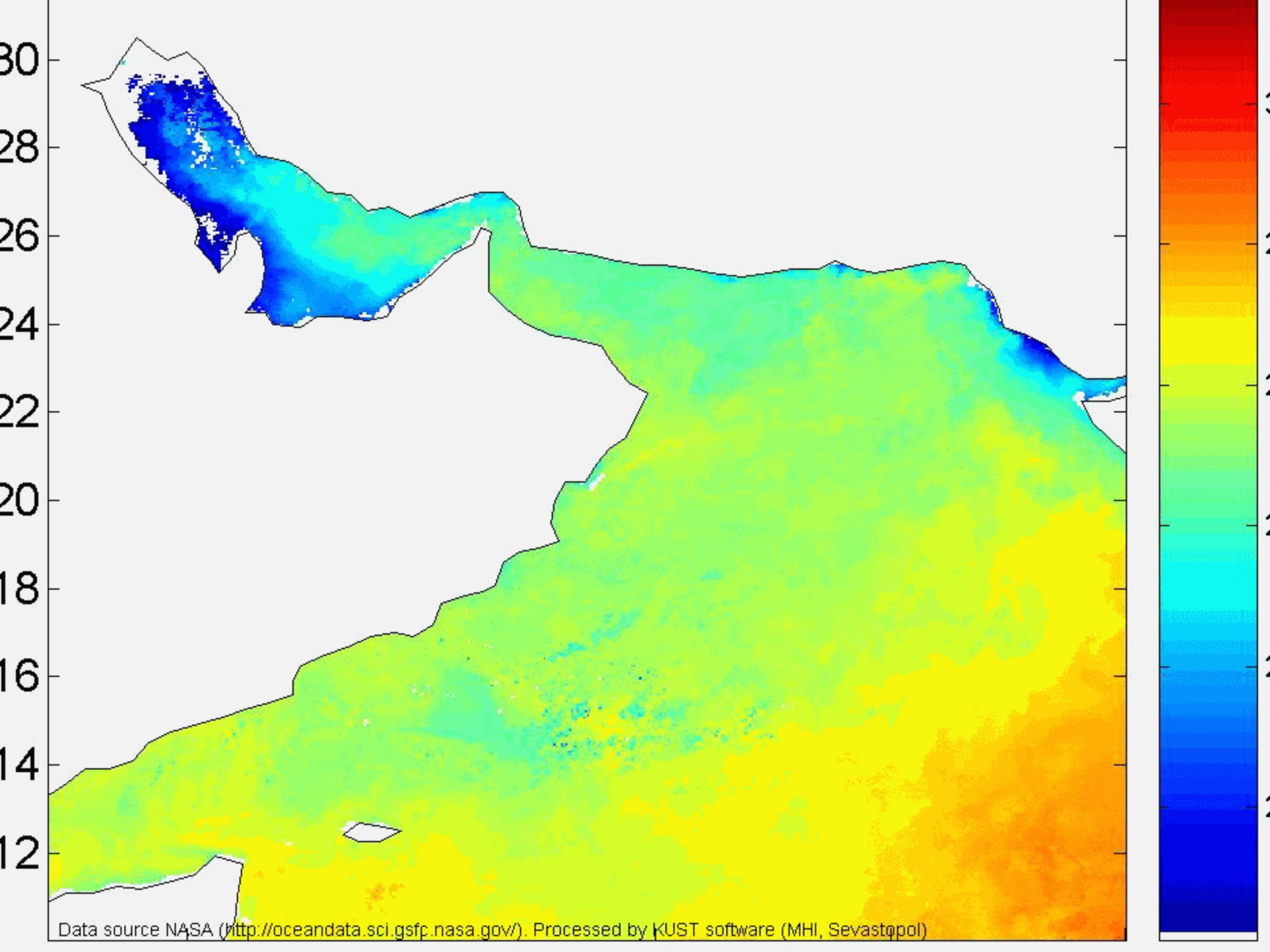

2012:09:05-2012:09:12
54
52
50
48
46
44
42
40
38
36
30
25
20
15
10
Data source NASA (http://oceandata.sci.gsfc.nasa.gov/). Processed by KUST software (MHI, Sevastopol)


2005-12-28-00
30
25
20
15
10
50
55
60
65
70
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
-0.05
Data source AVISO

MULTIARCHVES TOOL




20060105
32
30
28
26
24
22
20
18
16
14
12
50
55
60
65
5
2
1
0.5
0.2
Data source NASA (http://oceandata.sci.gsfc.nasa.gov), Processed by KUST software (MHI, Sevastopol)


30
28
26
24
22
20
18
16
14
12
Data source NASA (http://oceandata.sci.gsfc.nasa.gov/). Processed by KUST software (MHI, Sevastopol)

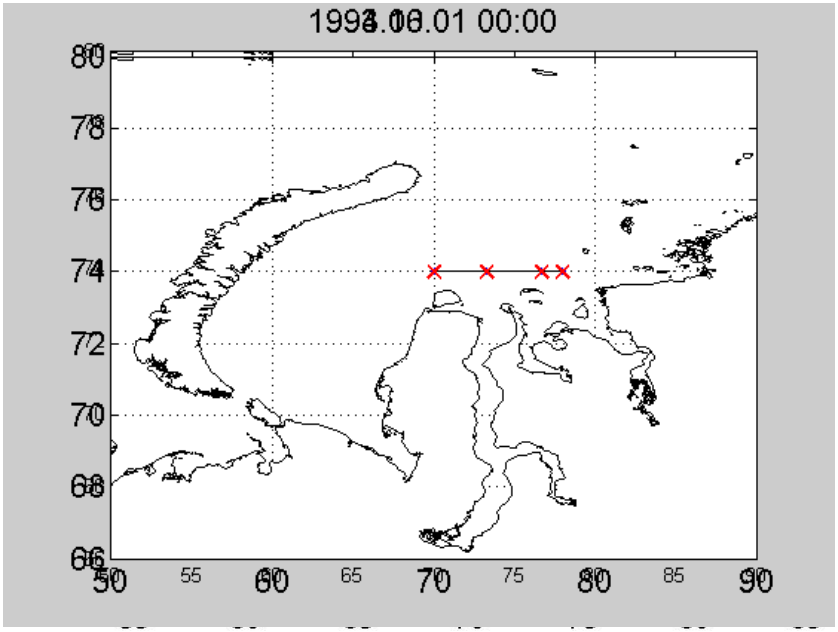
Расчет распространения речных вод

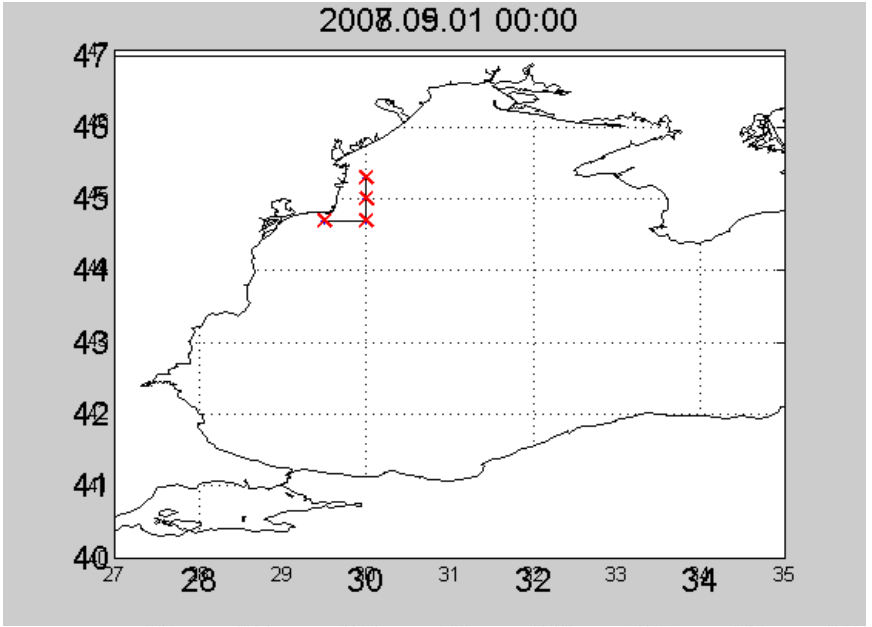
Для расчета в точках вблизи устьев рек располагаются постоянные источники лагранжевых частиц.

Перемещение частицы вод ПОС определяется по схеме Эйлера:

$$\vec{r}_{i+1} = \vec{r}_i + \vec{V} \cdot dt$$

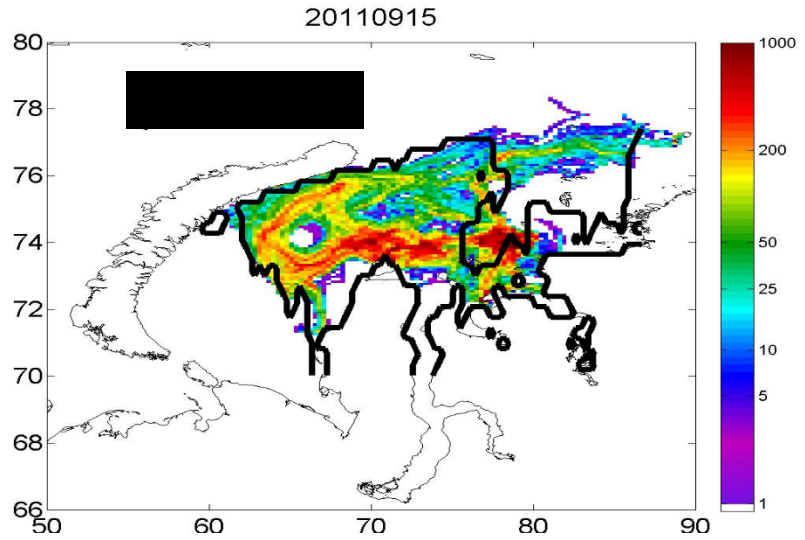
Шаг по времени был равен dt=6 часам.
Начало интегрирования совпадет с началом интенсивного стока рек (Дунай – май; Обь и Енисей – июнь)

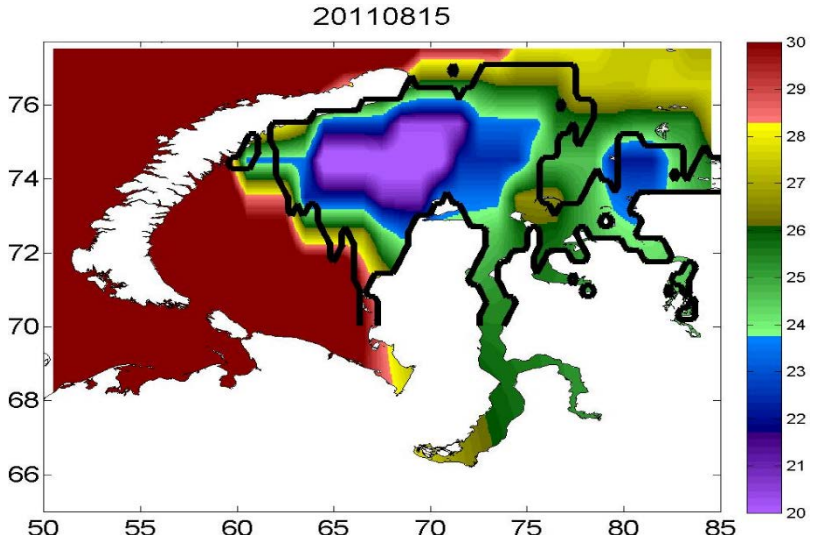




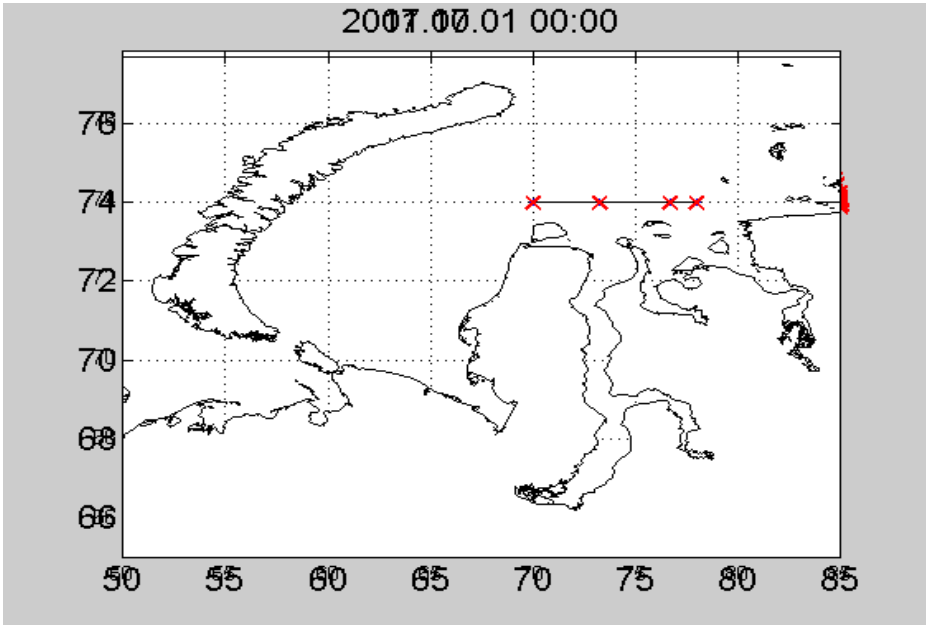
Расположение точек запуска лагранжевых частиц

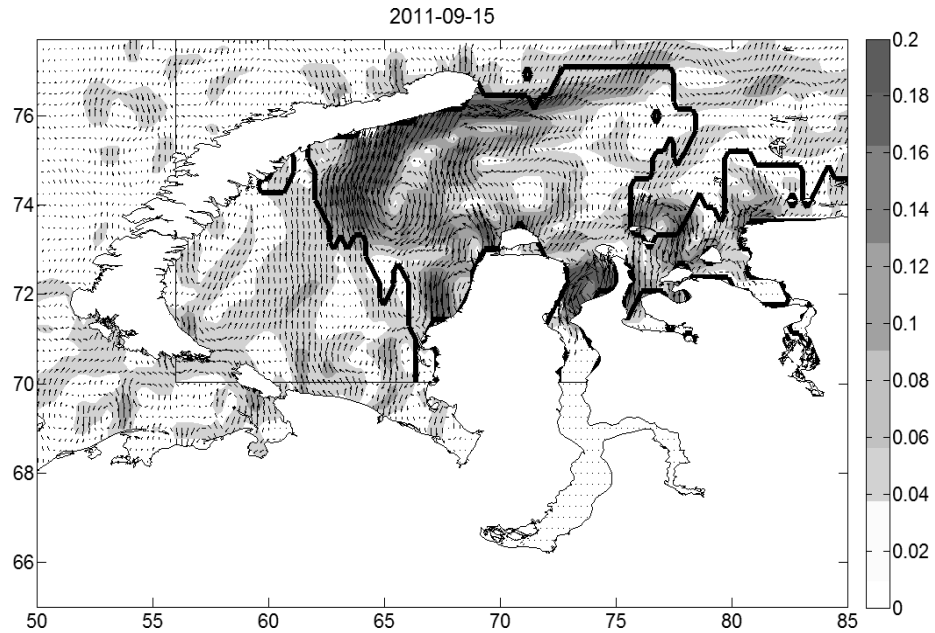
Результаты расчета - 2011 год



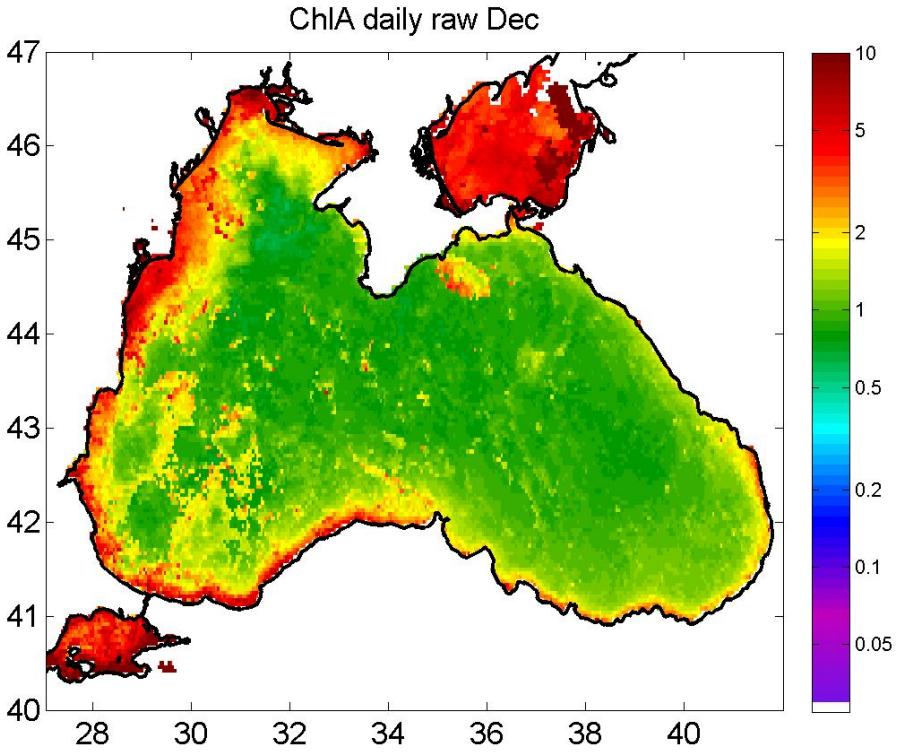


Расчитанная концентрация виртуальных частиц (справа) и спутниковая соленость (слева). Черными линиями нанесена изохалина 24psu по судовым данным



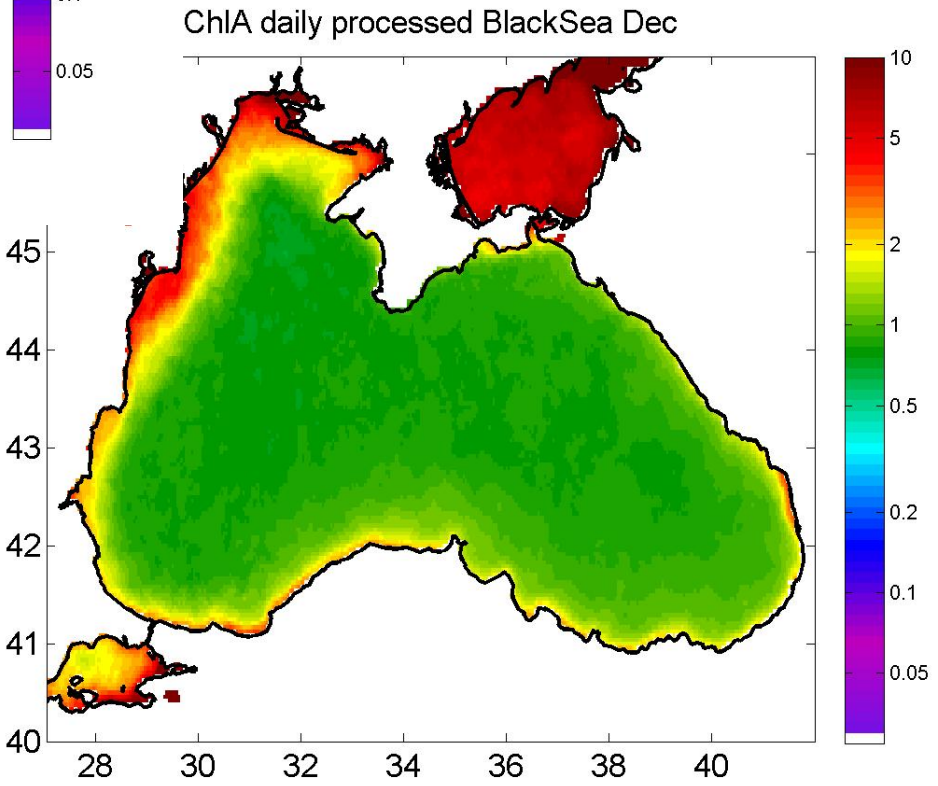


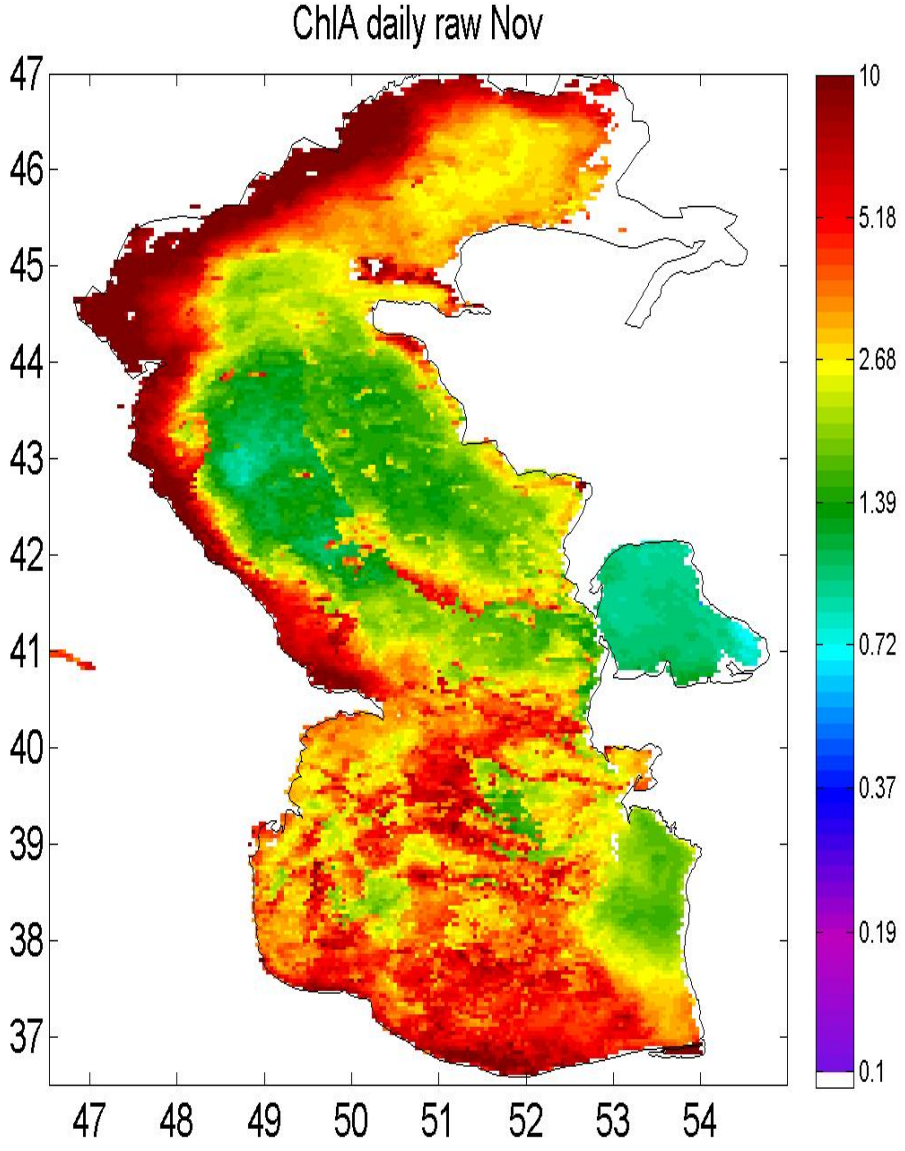
Расчет распространения речных вод по модели (слева) и геострофическая скорость по данным спутниковой альтиметрии за сентябрь 2011(справа)



ЛОЖКА ДЁГТЯ

Аккуратно со средними




ChlA daily raw Nov
47
46
45
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43
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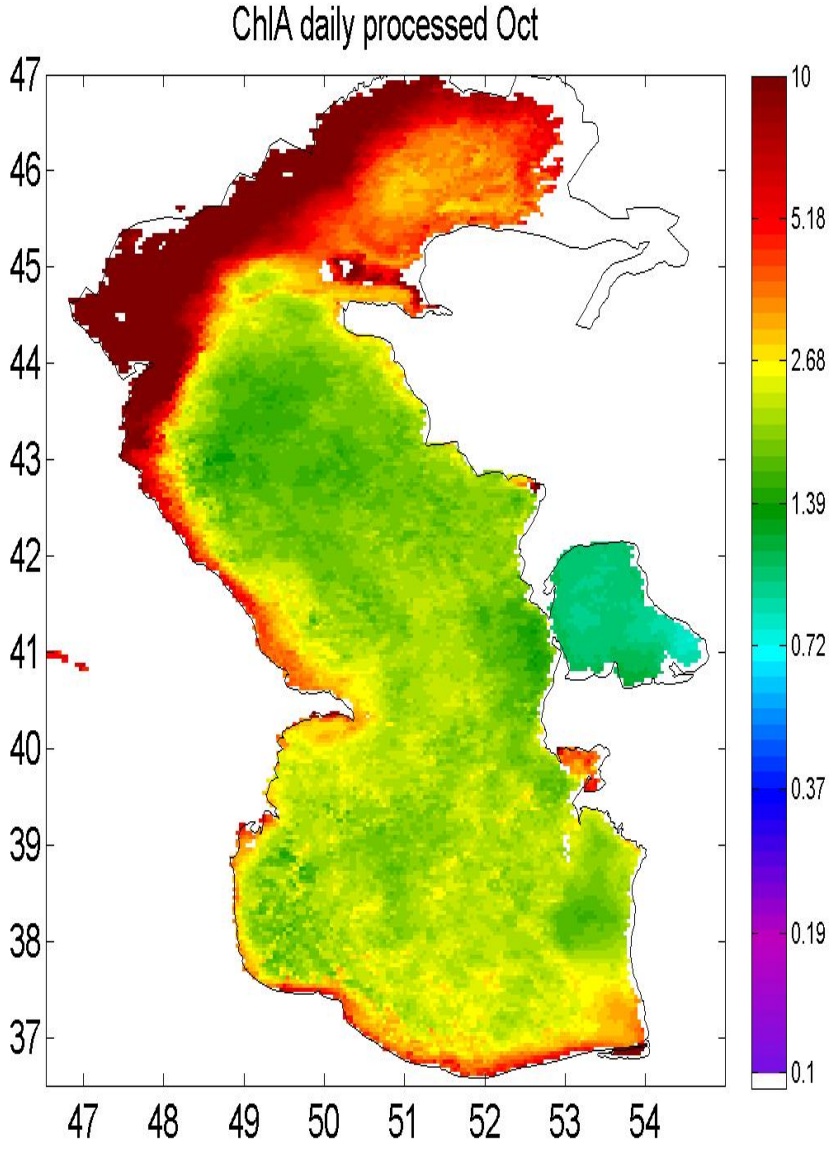
37
47 48 49 50 51 52 53 54
10
5.18
2.68
1.39
0.72
0.37
0.19
0.1


ChlA daily processed Oct
47
46
45
44
43
42
41
40
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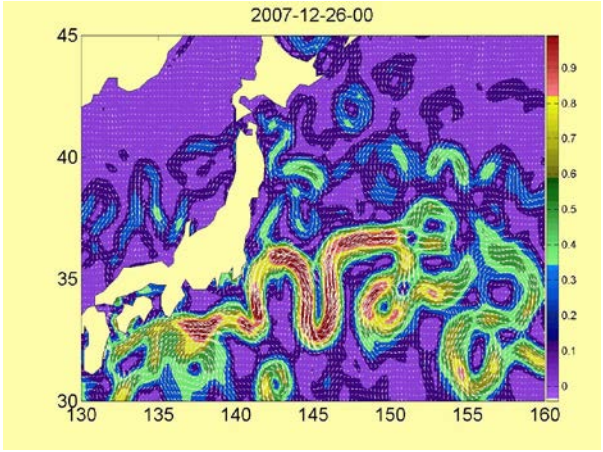
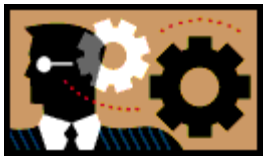
47 48 49 50 51 52 53 54
10
5.18
2.68
1.39
0.72
0.37
0.19
0.1



SO,



WE HAVE :

- STRONG TEAM
-METHODS, ALGORITHMS, MODELS and SOFTWARE FOR DATA PROCESSING and ANALYSIS
- EXPERIENCE IN INTERNATIONAL COOPERATION

AND

WE'LL BE GLAD TO COLLABORATE WITH YOU

SSTANICHNY@MAIL.RU