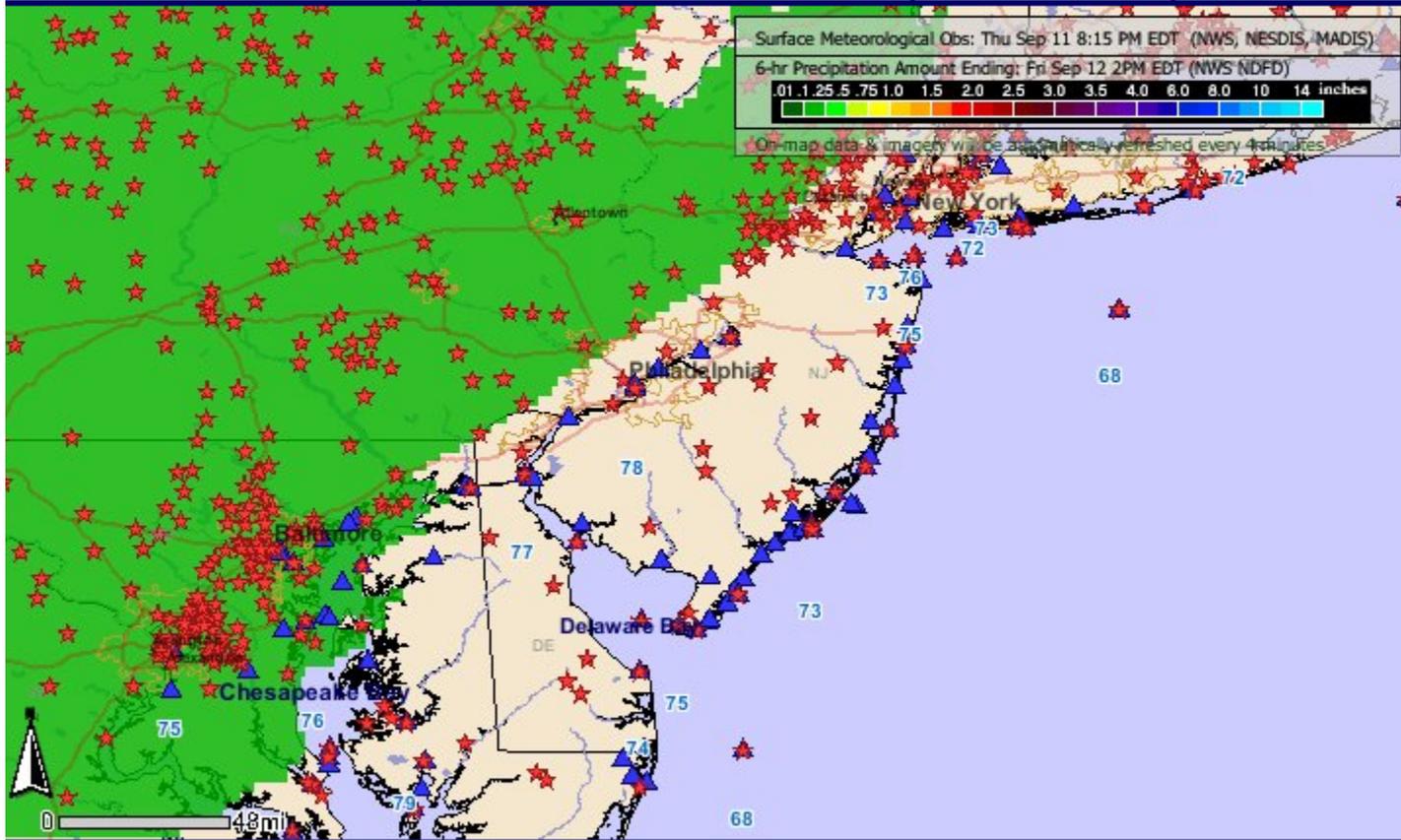


NOAA Coastal Data

Bob Connell, NJDEP, Water Monitoring & Standards

Presented at: NJWMCC Meeting, September 12, 2008

1) LOCATION 2) INFORMATION 3) VARIABLE 4) TIME 5) GO
Select Location: - Nat'l Digital Fcst Database (NDFD) -Select Variable- -Select Forecast-



Map Layers Controls: Display A

Active Layer: Precipitation Amount
(Click on individual layer names below for more info on e

- Surface Wind Velocity (Vector)
- Significant Wave Height
- Precipitation Amount
(For 6-hr Period Ending at ...)
- [+6-hr] Thu Sep 11 8PM EDT
- [+12-hr] Fri Sep 12 2AM EDT
- [+18-hr] Fri Sep 12 8AM EDT
- [+24-hr] Fri Sep 12 2PM EDT
- [+30-hr] Fri Sep 12 8PM EDT
- [+36-hr] Sat Sep 13 2AM EDT
- [+42-hr] Sat Sep 13 8AM EDT
- [+48-hr] Sat Sep 13 2PM EDT
- [+54-hr] Sat Sep 13 8PM EDT
- [+60-hr] Sat Sep 13 8PM EDT
- [+66-hr] Sat Sep 13 8PM EDT

Geo-Referenced Links:

Observations - In-Situ Stations:

- Meteorological
- Oceanographic

Map Tools tool help Click on an observation station or forecast area to open a second window with a live hyperlink to the webpage displaying the current observation or forecast data.

Active Tool: Link to Data

Zoom In Zoom Out Pan Select by Rectangle Identify Print Link to Data
Full Extent Zoom Last Zoom to Lat/Lon Clear Selected Query Open Databrowser

Redraw Map Automatically
DOC > NOAA > NOS > OCS
Privacy Policy

National Environmental Satellite, Data, and Information Service (NESDIS) [\[edit\]](#)

The **National Environmental Satellite, Data, and Information Service** (NESDIS) was created by the NOAA to manage the data gathered by the NWS and other government agencies and departments. Data collected by the NWS, [U.S. Navy](#), [U.S. Air Force](#), the [Federal Aviation Administration](#), and meteorological services around the world, are housed at the [National Climatic Data Center](#) in [Asheville, North Carolina](#). NESDIS also operates the [National Geophysical Data Center](#) (NGDC) in [Boulder, Colorado](#), the [National Oceanographic Data Center](#) (NODC) in [Silver Spring, Maryland](#), the [National Snow and Ice Data Center](#) (NSIDC) and the [National Coastal Data Development Center](#) (NCDDC) which are used internationally by [environmental scientists](#).



The NESDIS also runs the:

1. [Office of Systems Development](#)
2. [Office of Satellite Operations](#)
3. [Office of Satellite Data Processing & Distribution](#)
4. [Office of Research & Applications](#)
5. [NPOESS Integrated Program Office](#)
6. [International & Interagency Affairs Office](#)

The service operates and manages many [geosynchronous satellites](#). In 1975 [Tiros-1](#) (also known as GEOS-1), NOAA's first owned and operated geostationary satellite was launched. In 1983 NOAA assumed operational responsibility for [LANDSAT](#) satellite system. In 1984 the [Tropical Ocean-Global Atmosphere program](#) (TOGA) program began.

In 1977 the [Pacific Marine Environmental Laboratory](#) (PMEL) deployed the first successful moored equatorial current meter - the beginning of the [Tropical Atmosphere/Ocean](#) (TAO) array. In 1979 NOAA's first polar-orbiting environmental satellite was launched.

[\[edit\]](#)

External NESDIS links

- [NESDIS](#)
 - [About NESDIS](#)
 - [NESDIS organisation](#)
 - [NESDIS Data & Information](#)
 - [National Snow & Ice Data Center \(NSIDC\)](#)
 - [National Climate Data Center \(NDCC\)](#)
 - [National Geophysical Data Center \(NGDC\)](#)
 - [National Oceanographic Data Center \(NODC\)](#)
 - [National Coastal Data Data Center \(NCDDC\)](#)
 - [NESDIS Satellites](#)



- About
- Data Products
- Product Search
- Outreach
- Collaborative Projects
- Data Formats & GIS
- Software & Utilities
- Links
- User Support
- Reference Materials
- Sitemap

Welcome to CoastWatch! NOAA's CoastWatch Program processes near real-time oceanographic satellite data, and makes it available to Federal, State, & local marine scientists, coastal resource managers, and the general public.

[More About CoastWatch](#)

Recent products from CoastWatch processing systems:

- True Color (RGB)
 - o [Terra/Aqua MODIS True Color \(250m\)](#)
- Ocean Color
 - o Chlorophyll-a
 - [Terra/Aqua MODIS Chlorophyll Products \(NASA SeaDAS\)](#)
 - [OrbView-2 SeaWiFS Chlorophyll \(NASA SeaDAS\) Products](#)
 - [OrbView-2 SeaWiFS Chlorophyll \(NOAA\) Products](#)
 - [NOAA Harmful Algal Bloom Forecasting System SeaWiFS data](#) (account holders only).
 - o Reflectance
 - [Envisat MERIS 665nm](#)
 - [Terra/Aqua MODIS 667nm](#)
 - [OrbView-2 SeaWiFS 670nm](#)
- Sea Surface Temperature
 - o [Terra/Aqua MODIS Sea Surface Temperature Products](#)
 - o [POES AVHRR Sea Surface Temperature Products](#)
 - o [GOES Imager Sea Surface Temperature Products](#)
 - o [TRMM Microwave Imager Sea Surface Temperature Products](#)
- Sea Surface Winds
 - o [QuikSCAT SeaWinds Sea Surface Wind Products](#)
 - o [DMSP SSM/I Sea Surface Wind Products](#)

Edit View History Bookmarks Tools Help

http://coastwatch.noaa.gov/interface/interface.html

ost Visited Marine Water Net FDA Directory Rutgers Directory US EPA Directory njmarinewater.org Google Maps Tides Current-F Current-H Rain

nowCOAST: GIS Mapping Portal to Real... NOAA CoastWatch: Product Search NJDEP Marine Water Monitoring - Aircr...

CoastWatch Product Search

View Results as:

Images

Select Region:

Coast

Select Product:

Chlorophyll (ESA)

Chlorophyll (NASA SeaWiFS)

Chlorophyll (NOAA)

Reflectance (665)

Sensor:

SeaWiFS

Satellite:

SeaWiFS

From: (MM/DD/YYYY)

1/5/2008

To: (MM/DD/YYYY)

1/6/2008

Search

Reset

The CoastWatch search interface provides access to multiple satellite ocean remote sensing data and products for a selected geographic region. Multiple products, sensors and satellites may be selected/highlighted by using "[shift]-click" and dates may be entered manually into the text fields or by using the pop-up calendars. After selecting criteria, press [Search] to begin the search process:

- Search results will be displayed in this area as thumbnails or text listing (based on your selection).
- Not all of the data or products that are returned by the search reside on this server. **Image Unavailable** or a broken link may appear if a thumbnail/image is missing or cannot be retrieved from a remote server.
- Temporal coverage may be different for each dataset.
- Product information can be obtained from the [Data Products](#) section of this website.
- For each thumbnail or list item returned, clicking on the image/link will open additional options associated with the selected image.
- As an alternative to this search interface, a non-interactive browse of the [data](#) is available.

Recent products from CoastWatch processing systems:

- True Color (RGB)
 - [Terra/Aqua MODIS True Color \(250m\)](#)
- Ocean Color
 - Chlorophyll-a
 - [Terra/Aqua MODIS Chlorophyll Products \(NASA SeaWiFS\)](#)
 - [OrbView-2 SeaWiFS Chlorophyll \(NASA SeaWiFS\) Products](#)
 - [OrbView-2 SeaWiFS Chlorophyll \(NOAA\) Products](#)
 - [NOAA Harmful Algal Bloom Forecasting System SeaWiFS data](#) (account holders only).
 - Reflectance
 - [Envisat MERIS 665nm](#)
 - [Terra/Aqua MODIS 667nm](#)

CoastWatch Product Search

View Results as:

Pages:

Select Region:

Region:

Select Product:

Chlorophyll (ESA)

Chlorophyll (NASA SeaWiFS)

Chlorophyll (NOAA)

Distance (665)

Sensor:

SeaWiFS

Satellite:

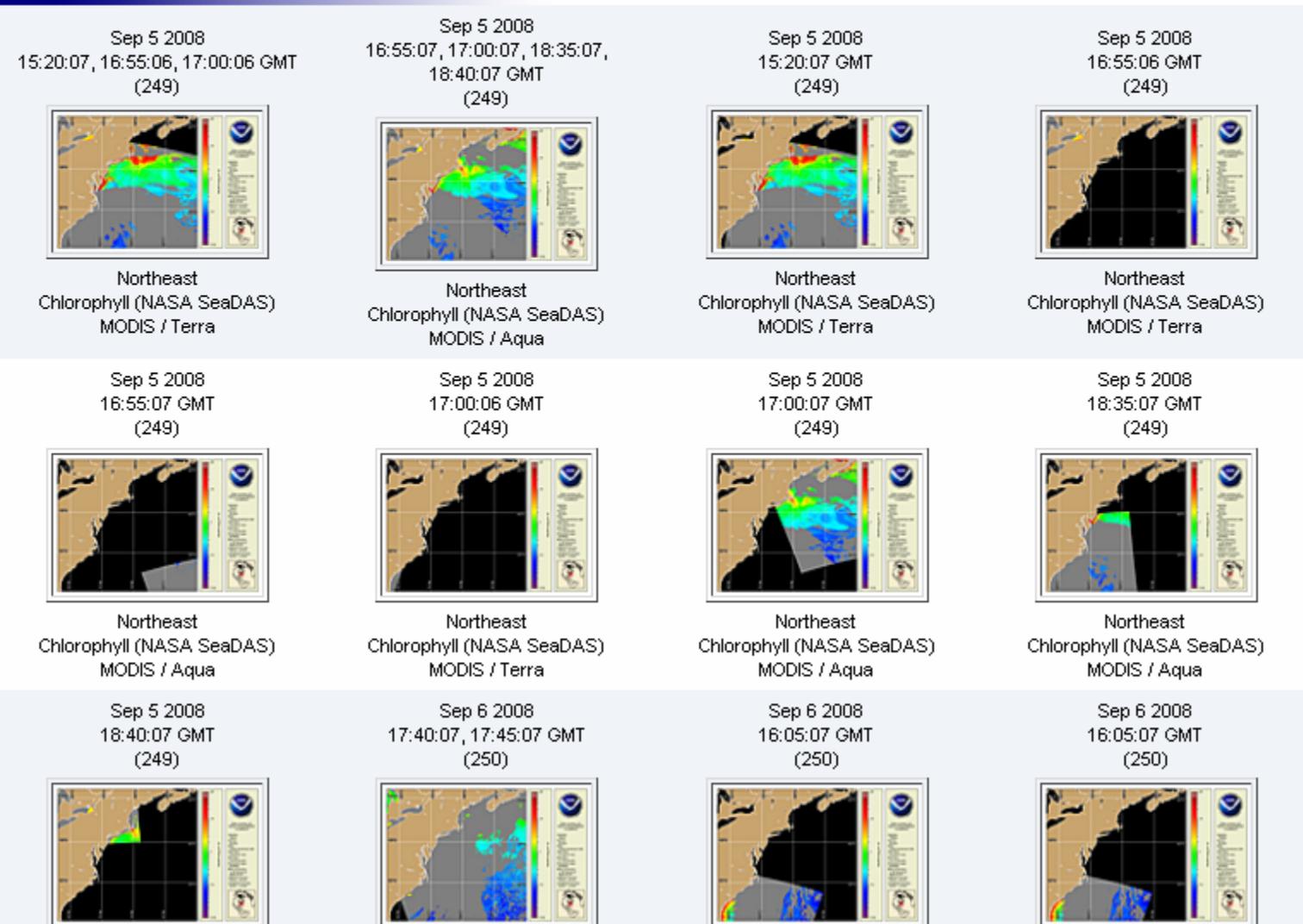
SeaWiFS

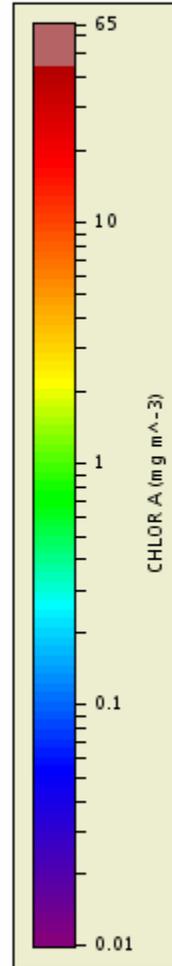
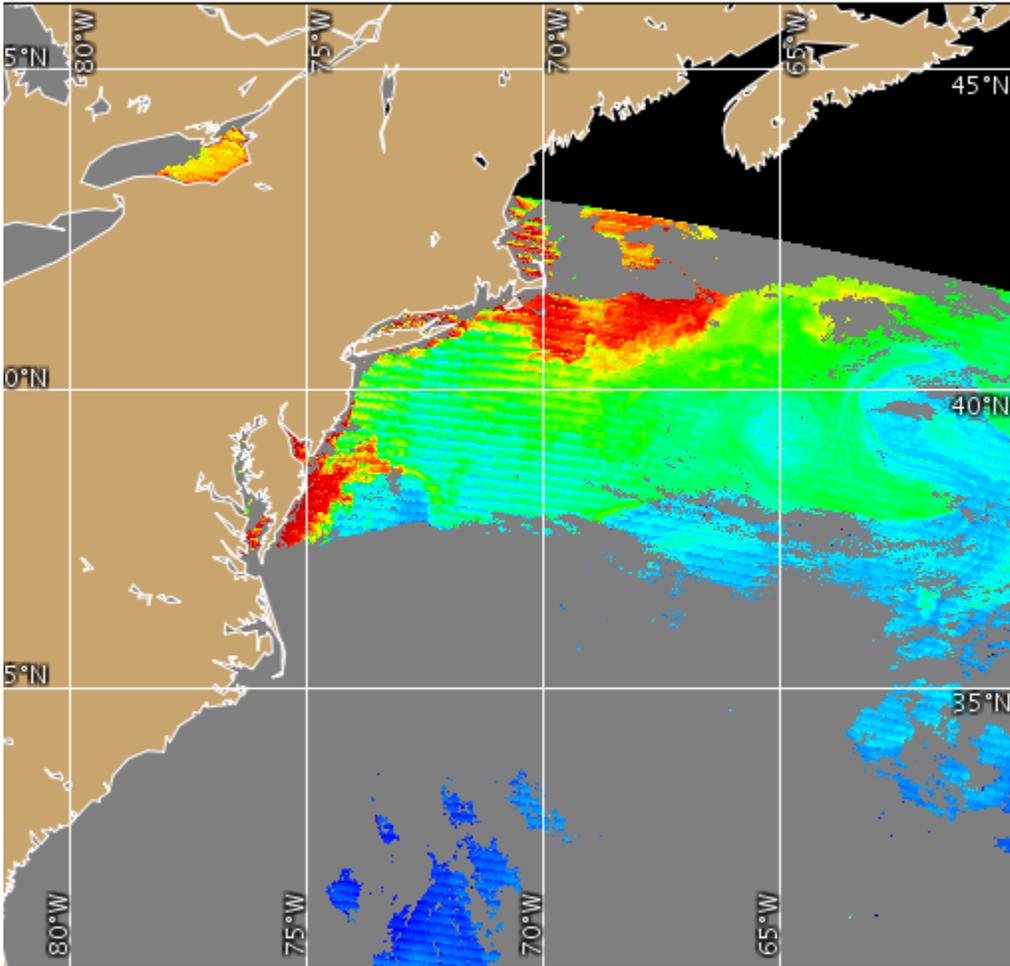
From: (MM/DD/YYYY)

From:

To: (MM/DD/YYYY)

To:





Data courtesy of:
USDOC/NOAA/NESDIS
CoastWatch

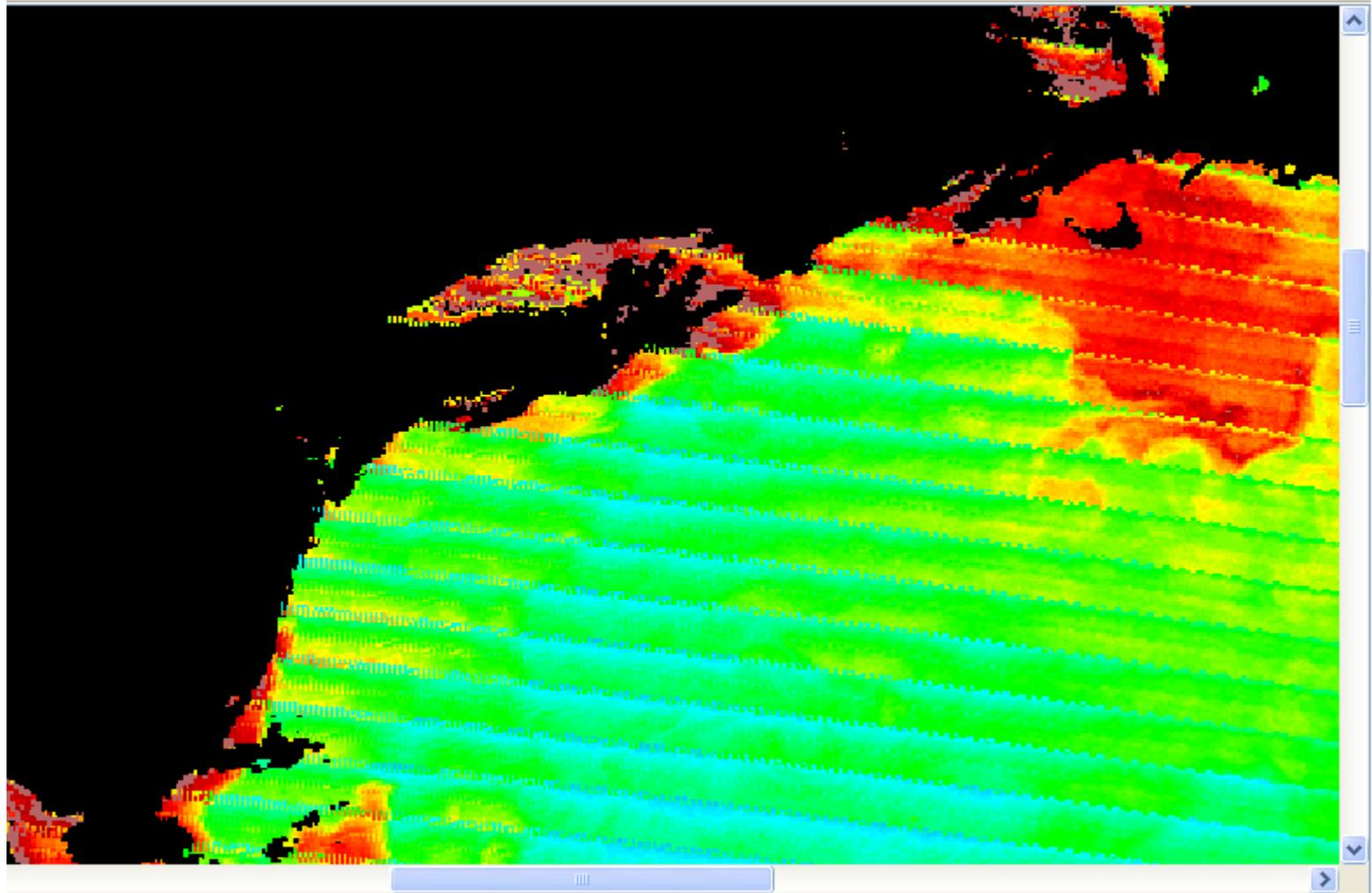
Satellite:
TERRA
Sensor:
MODIS
Date:
2008/09/05 JD 249
Start time:
15:20:07 UTC
End time:
17:05:05 UTC
Projection type:
MAPPED
Map projection:
1.39 km/pixel
MERCATOR
Latitude bounds:
29 N -> 47 N
Longitude bounds:
83 W -> 59 W



a applet loading...hold cursor over data area and click to activate LAT/LONG and value readout (May take a few seconds for floating box to appear).

Chlorophyll (NASA SeaDAS)

Home Functions



cursor	(1011,911)	lat/lon	(40°28'28.19"N, 73°36'7.78"W)	value	8.525mg/m ³
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- CDMO Home
- About CDMO
- About Data
- Data
- Links
- Web Services

The **Centralized Data Management Office (CDMO)** is housed at the North Inlet-Winyah Bay NERR in South Carolina. It was established in support of the National Estuarine Research Reserve's (NERR) System-wide Monitoring Program (SWMP) that is currently implemented at 27 reserves in the US and Puerto Rico.

To learn more about the [water quality](#), [meteorological](#) and [nutrient](#) parameters and units collected for the System-wide Monitoring Program, visit the National Estuarine Research Reserve System-wide Monitoring Program page at <http://nerrs.noaa.gov/Monitoring>.



Weather Station



April 11 th , 2008 : The CDMO tops **23,000,000** water, weather, and nutrient data records. Authenticated data dating back to 1995. For availability, click [here](#).



Nutrient Station

Our Function:

The purpose of the CDMO, is the management of the basic infrastructure and data protocol to support the assimilation and exchange of data, metadata and information within the framework of NERRS sites, coastal zone management (CZM) programs, and other state and federally funded education, monitoring and research programs.

To learn more about the CDMO's activities and role, click on the About CDMO link in the navigation menu.

Edit View History Bookmarks Tools Help

http://cdmo.baruch.sc.edu/GIS/kmlfiles.cfm

Most Visited Marine Water Net FDA Directory Rutgers Directory US EPA Directory njmarinewater.org Google Maps Tides Current-F Current-H Rain

Water Quality Monitoring Exporting KML Files State of New Jersey Novell WebAccess (Bob Con... Welcome to the Centralized ...



- CDMO Home
- About CDMO
- About Data
- Data
- Links
- Services

Google Earth Files

KML (Keyhole Markup Language) is a file format used to display geographic data in an Earth browser, such as Google Earth, Google Maps, and Google Maps for mobile. KML uses a tag-based structure with nested elements and attributes and is based on the XML standard.

Select the appropriate region to receive KML Files for Google Earth.

Region
Caribbean.kml
Google Earth Real-Time Data Links.doc
Great Lakes.kml
Gulf Of Mexico.kml
Mid Atlantic.kml
NERRA2007 Google Earth Handout.doc
NERRS Reserves.kml
NERRS Boundaries.kml
NERRS Spatial Infrascture Instructions.doc
NERRS Spatial Infrastructure.kml
NERRS Tour.kml
NERRS Watersheds.kml
Northeast.kml
Pacific.kml
Pacific Northwest.kml
Southeast.kml

Search

Find Businesses Directions

to e.g., San Francisco

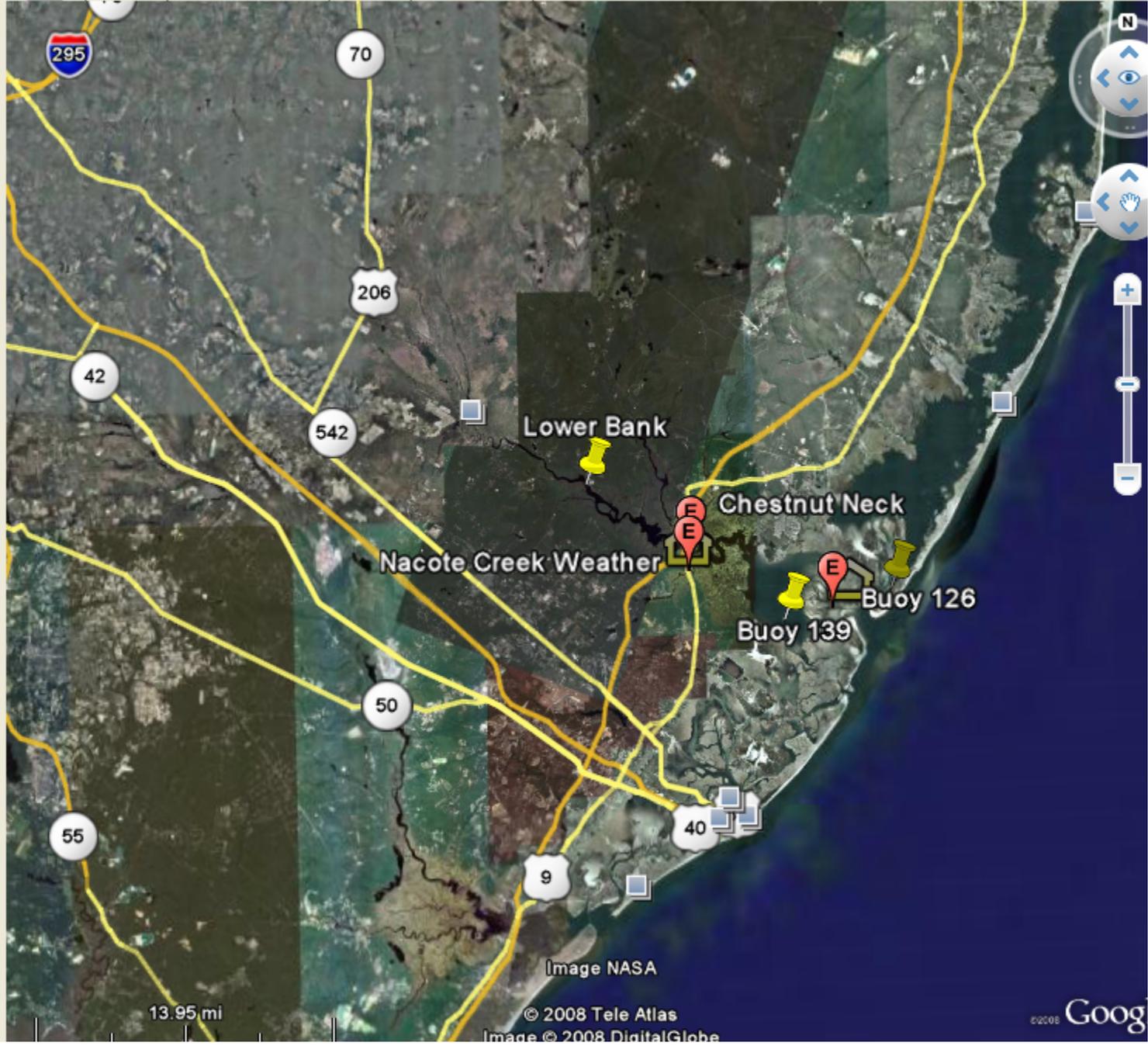
▼ 🔍

Places

- Add Content
- 4
 - 2
 - < 2
 - 2
 - 4
 - 8
 - 8
 - 8
- Temporary Places
- Mid_Atlantic.kml

Layers

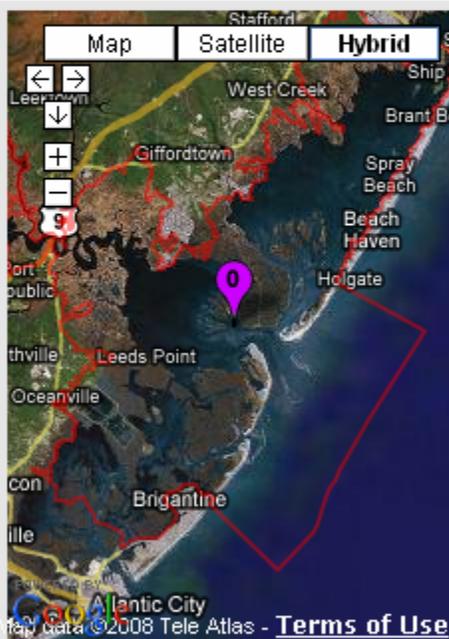
- Primary Database
- Geographic Web
- Roads
- 3D Buildings
- Street View
- Borders and Labels
- Traffic
- Weather
- Gallery
- Global Awareness
- Places of Interest





NATIONAL ESTUARINE RESEARCH RESERVE SYSTEM CENTRALIZED DATA MANAGEMENT OFFICE

- Home
- About CDMO
- About Data
- Data
- Links
- Web Services



Water Station: jacb6wq

Name: Buoy 126
 39° 30' 28.44 N, 74° 20' 18.60 W
Active Dates: Aug 1996-
Status: Active
Reporting Parameters: Temp, SpCond, Sal, DO_pct, DO_mgl, Depth, pH, Turb

Jacques Cousteau
 Sampling Station
 (M) Meteorological, (W) Water,
 (N) Nutrients

0. (W) Buoy 126



- Show Reserve
- View quick charts
- View advanced chart

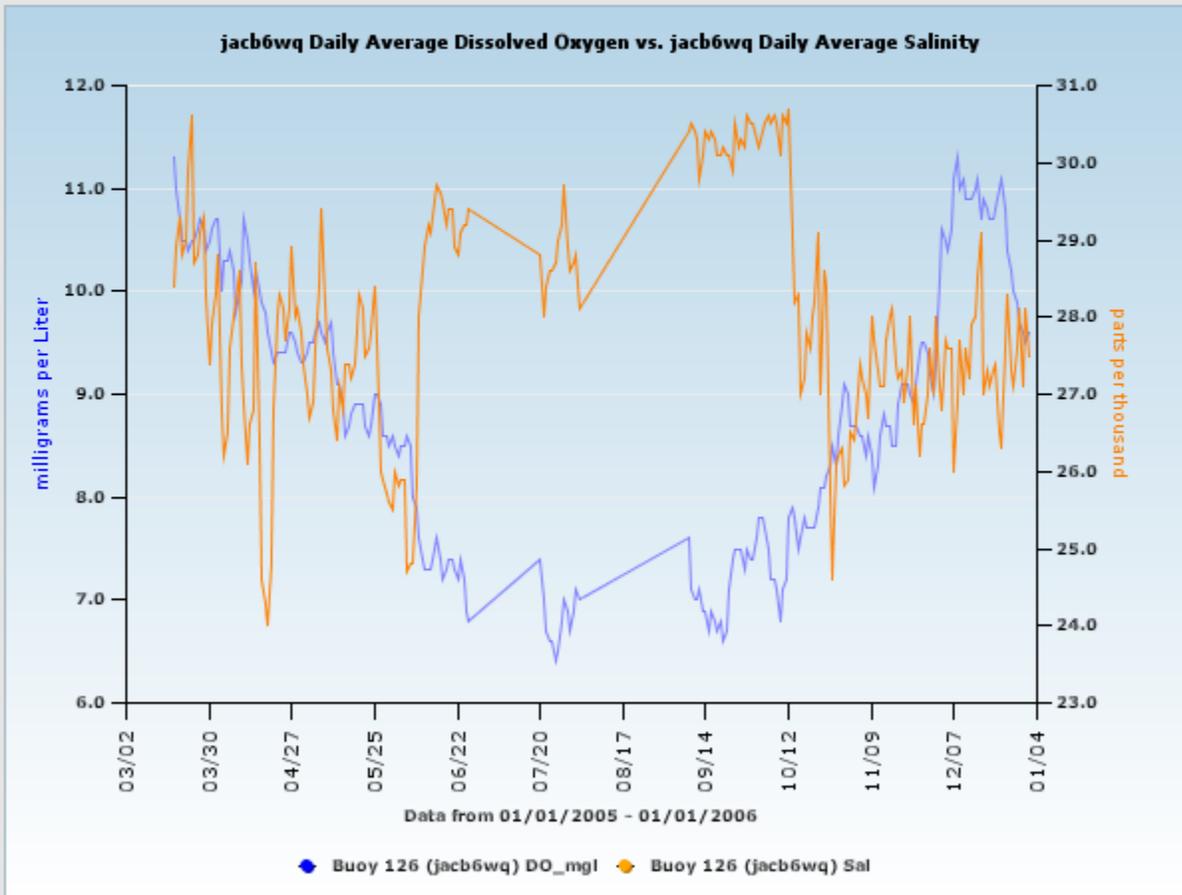
NERR Site Map Charting Options Export Data

All real time data reported on the CDMO website are considered provisional and have not been edited or reviewed. The reflected data may contain values that are missing or erroneous due to satellite transmission interruptions. Data out of instrument range have been removed through an automated quality control process.

Services

Advanced Chart

All times are local standard time.



 [Retrieve Raw Chart Data](#)

Select Advanced Chart to Display

Select the stations to chart from the list shown below

File Edit View Insert Format Tools Data Window RExcel Conditional Probability Help

Type a question for help

100%

Reply with Changes... End Review...

10 B I U \$ % , .00 .00

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Date	DO_mgl	Sal												
3/18/2005	11.3	28.4												
3/19/2005	11	28.9												
3/20/2005	10.7	29.3												
3/21/2005	10.5	28.8												
3/22/2005	10.5	29												
3/23/2005	10.4	29.9												
3/24/2005	10.5	30.6												
3/25/2005	10.5	28.7												
3/26/2005	10.6	28.8												
3/27/2005	10.7	29.1												
3/28/2005	10.6	29.3												
3/29/2005	10.4	28.3												
3/30/2005	10.5	27.4												
3/31/2005	10.6	27.9												
4/1/2005	10.7	28.3												
4/2/2005	10.7	28.8												
4/3/2005	10	26.8												
4/4/2005	10.3	26.2												
4/5/2005	10.3	26.5												
4/6/2005	10.4	27.6												
4/7/2005	10.2	28												
4/8/2005	9.8	28.2												
4/9/2005	10	28.6												
4/10/2005	10.1	27.4												
4/11/2005	10.7	26.9												
4/12/2005	10.5	26.1												
4/13/2005	10.3	26.6												
4/14/2005	10	26.8												
4/15/2005	10.2	28.7												
4/16/2005	10	26.4												
4/17/2005	9.9	24.6												

export