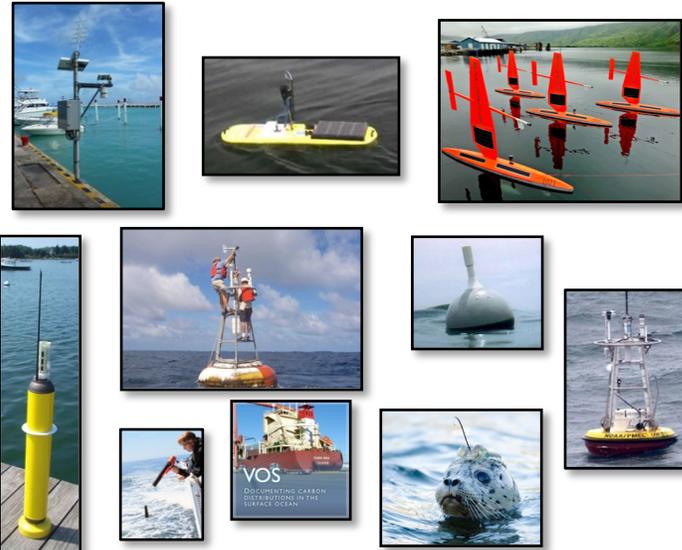


Lecture 6 will describe the “Doppio” near-real-time analysis and forecast system that Rutgers University operates for MARACOOS

The MARACOOS/ROMS system ingests a very comprehensive suite of data from in situ and satellite sources.

This tutorial introduces some of services where you might find data for your application.



Data sources for operational near-real-time systems



ERDDAP
 Easier access to scientific data

[log in](#)
 Brought to you by [NOAA NMFS SWFSC ERD](#)

ERDDAP

ERDDAP is a data server that gives you a simple, consistent way to download subsets of gridded and tabular scientific datasets in common file formats and make graphs and maps. This particular ERDDAP installation has oceanographic data (for example, data from satellites and buoys).

Please change to https now! Access to this ERDDAP is now https only. Attempts to use http will be redirected to https, but that redirect may fail in some scripts. Please change your bookmarks and scripts to https now to avoid trouble.

Easier Access to Scientific Data

Our focus is on making it easier for you to get scientific data.

Different scientific communities have developed different types of data servers.

For example, OPeNDAP, WCS, SOS, OBIS, and countless custom web pages with forms. Each is great on its own. But without ERDDAP, it is difficult to get data from different types of servers:

- Different data servers make you format your data request in different ways.
- Different data servers return data in different formats, usually not the common file format that you want.
- Different datasets use different formats for time data, so the results are hard to compare.

ERDDAP unifies the different types of data servers so you have a consistent way to get the data you want, in the format you want.

- ERDDAP acts as a middleman between you and various remote data servers. When you request data from ERDDAP, ERDDAP reformats the request into the format required by the remote server, sends the request to the remote server, gets the data, reformats the data into the format that you requested, and sends the data to you. You no longer have to go to different data servers to get data from different datasets.
- ERDDAP offers an easy-to-use, consistent way to request data: via the OPeNDAP standard. Many datasets can also be accessed via ERDDAP's Web Map Service (WMS).
- ERDDAP returns data in the common file format of your choice. ERDDAP offers all data as .html table, ESRI .asc and .csv, Google Earth .kml, OPeNDAP binary, .mat, .nc, ODV .txt, .csv, .tsv, .json, and .xhtml. So you no longer have to waste time and effort reformatting data.
- ERDDAP can also return a .png or .pdf image with a customized graph or map.
- ERDDAP standardizes the dates+times in the results. Data from other data servers is hard to compare because the dates+times often are expressed in different formats (for example,

Start Using ERDDAP: Search for Interesting Datasets

- Do a Full Text Search for Datasets
- View a List of All 1,430 Datasets
- Search for Datasets by Category

Datasets can be categorized in different ways by the values of various metadata attributes. Click on an attribute ([cdm_data_type](#), [institution](#), [ioos_category](#), [keywords](#), [long_name](#), [standard_name](#), [variableName](#)) to see a list of categories (values) for that attribute. Then, you can click on a category to see a list of relevant datasets.

- Search for Datasets with [Advanced Search](#)
- Search for Datasets by Protocol

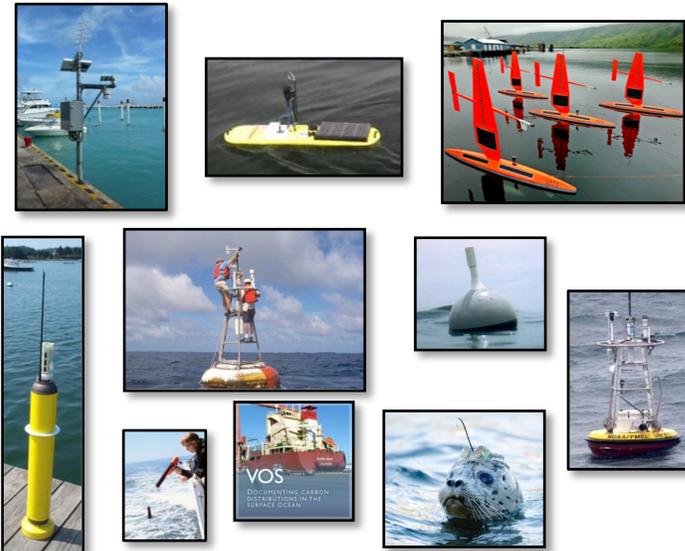
Protocols are the standards which specify how to request data. Different protocols are appropriate for different types of data and for different client applications.

Protocol	Description
griddap datasets	Griddap lets you use the OPeNDAP hyperslab protocol to request data subsets, graphs, and maps from gridded datasets (for example, satellite data and climate model data). griddap documentation
tabledap datasets	Tabledap lets you use the OPeNDAP constraint/selection protocol to request data subsets, graphs, and maps from tabular datasets (for example, buoy data). tabledap documentation
	ERDDAP's "files" system lets you browse a virtual file system and download source data files. WARNING! The dataset's

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Data sources for operational near-real-time systems

COPERNICUS MARINE ENVIRONMENT MONITORING SERVICE
Providing PRODUCTS and SERVICES for all marine applications

European Commission

Search terms OK

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ACCESS YOUR OCEAN INFORMATION

GETTING STARTED →

OCEAN PRODUCTS
Ocean product catalogue, to download or visualize data across nearly 15 variables, including hindcast, current and forecast data.
DATA →

OCEAN MONITORING INDICATORS
Essential variables monitoring the health of the ocean
TRENDS →

OCEAN STATE REPORT
Extensive annual analysis on the state of the ocean over nearly 20 years and severe/notable annual events
EXPERTISE →

2019 25 JUL

LATEST NEWS FLASH
CMEMS:10159
BLKSEA_ANALYSIS_FORECAST, delayed on 2019-07-23
RESOLVED
ALL NEWS FLASH

28 MONDAY | **EVENTS AGENDA**

PARTNERS AND STAKEHOLDERS

FOCUS ON

TRAINING AGENDA

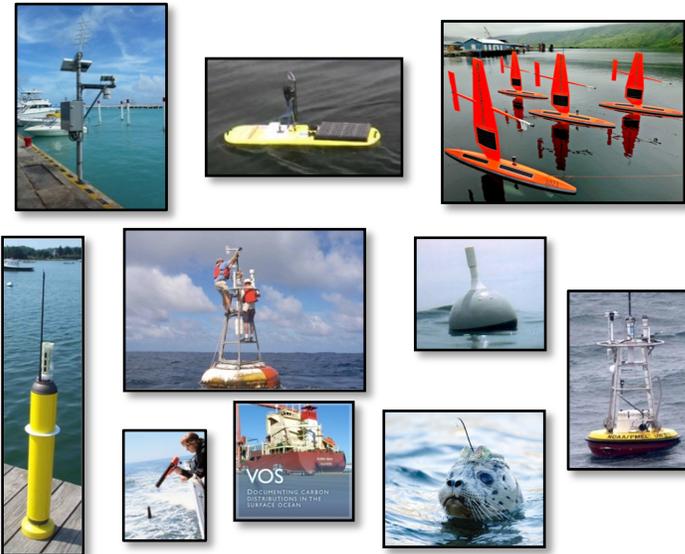
COPERNICUS MARINE SERVICE WORKSHOP & TRAINING FOR THE AQUACULTURE SECTOR
The European Aquaculture Technology and Innovation Platform (EATIP) and Mercator Ocean International organize in **September 24-25 2019** in Athens, Greece, an event entitled “Copernicus Marine for the Aquaculture Sector”
READ MORE

SAVE THE DATE | September 24-25 2019
Copernicus Marine Service for the Aquaculture Sector
Amalia hotel - 10 Amalias avenue - Athens 105 57 Greece

Lecture 6 will describe the “Doppio” near-real-time analysis and forecast system that Rutgers University operates for MARACOOS

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Data sources for operational near-real-time systems

IOOS Data Portal

IOOS data comes from a variety of technologies or data collection systems. While types of data available through any one of our 11 regional associations may vary depending on the local area, the national IOOS data products include data collected from buoys, high frequency radar systems and gliders. Modeling teams across regional associations also create data products including physical and environmental models of coastal systems.

[Explore the IOOS Data Portal at ioos.us](#)

IOOS data can be accessed through a variety of access services and tools through IOOS interactive maps, Data Assembly Centers (DACs), and individual Regional Association portals. This data access page provides an overview of all these services and tools as well as links to data usage demonstrations for scientists and managers looking to analyze data using various programming languages (Python, Matlab, R, etc).

Explore Regional Association Data Portals

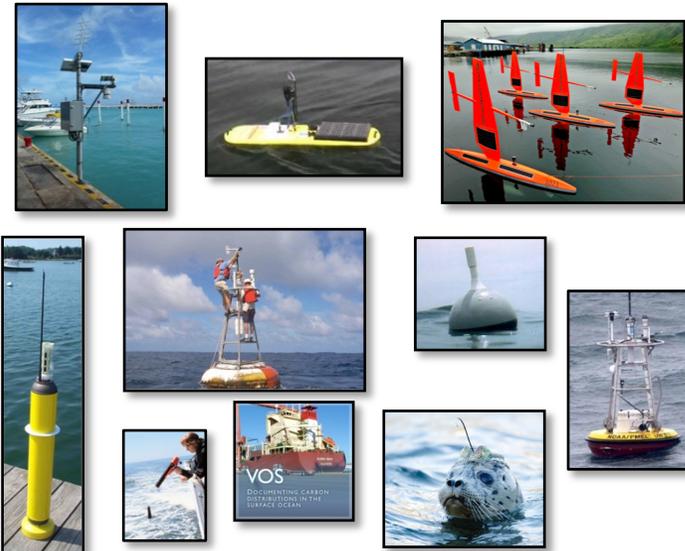
All 11 IOOS Regional Associations offer data collected in their region through their website data portals. The data offered at each portal is different and focuses on the regional associations specific strengths and local partnerships. For direct access to data in a particular region please visit the IOOS Regional Portal Map.

- [Alaska](#) (AOOS)
- [Caribbean](#) (CARICOOS)
- [Central and Northern California](#) (CeNCOOS)
- [Gulf of Mexico](#) (GCOOS)
- [Great Lakes](#) (GLOS)
- [Mid-Atlantic](#) (MARACOOS)
- [Pacific Northwest](#) (NANOOS)
- [Northeast Atlantic](#) (NERACOOS)
- [Pacific Islands](#) (PaciOOS)
- [Southern California](#) (SCCOOS)
- [Southeast Atlantic](#) (SECOORA)

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Data sources for operational near-real-time systems

← → ↻ 🏠 ⓘ rads.tudelft.nl/rads/data/authentication.cgi ☆ 🗨️ 🌐 📺 📶 ABP 17h



Radar Altimeter Data Acquisition from RADS



The RADS web interface has just been moved to a new server on March 18, 2010. Everything should work as before, but if you experience any problems, do not hesitate to [e-mail the webmaster](#).

Notification of results

E-mail address:

Options

Altimeter:

Advanced options:

Sea level construction options:

RADS defaults
 User-defined options

Data selection criteria:

No data editing
 RADS defaults
 User-defined editing

Important note: Multiple cycles and passes can now be requested simultaneously, and the data processing stops after completing the cycle in which 10 million records have been produced. When requesting large amounts of data at a time, check the log file to see whether this is the case.

Please do not submit too many RADS requests at the same time. This could cause our server to become overloaded which makes this service temporarily inaccessible to other users.

[Data](#) | [Status](#) | [Literature](#) | [Results](#) | [Software](#) | [Experts](#) | [RADS Home](#) | [DEOS Home](#)

This page is maintained by
[Eelco Doornbos](#), e.n.doornbos@tudelft.nl



• [Southeast Atlantic](#) (SECOORA)

Data sources for operational near-real-time systems

<http://rads.tudelft.nl/rads/rads.shtml>

Important note: Multiple cycles and passes can now be requested simultaneously, and the data processing stops after completing the cycle in which 10 million records have been produced. When requesting large amounts of data at a time, check the log file to see whether this is the case.

Please do not submit too many RADS requests at the same time. This could cause our server to become overloaded which makes this service temporarily inaccessible to other users.

[Data](#) | [Status](#) | [Literature](#) | [Results](#) | [Software](#) | [Experts](#) | [RADS Home](#) | [DEOS Home](#)

This page is maintained by [Elco Doornbos](#), [e.n.doornbos@tudelft.nl](#)

<https://podaac.jpl.nasa.gov/>

<https://coastwatch.pfeg.noaa.gov/erddap/info/index.html>

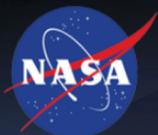
Protocol	Description
gridapp datasets	Gridapp lets you use the OPeNDAP hyperlab protocol to request data subsets, graphs, and maps from gridded datasets (for example, satellite data and climate model data). gridapp documentation
tabledap datasets	Tabledap lets you use the OPeNDAP constraint/selection protocol to request data subsets, graphs, and maps from tabular datasets (for example, buoy data). tabledap documentation
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<http://marine.copernicus.eu/>

<https://ioos.noaa.gov/data/access-ioos-data/>

- Alaska @ (AC00S)
- Caribbean @ (CARICOOS)
- Central and Northern California @ (CeNCOOS)
- Gulf of Mexico @ (GOOOS)
- Great Lakes @ (GLOOS)
- Mid-Atlantic @ (MARA00S)
- Pacific Northwest @ (NANOOS)
- Northeast Atlantic @ (NERA00S)
- Pacific Islands @ (PacIOOS)
- Southern California @ (SCOOS)
- Southeast Atlantic @ (SECOORA)





Jet Propulsion Laboratory
California Institute of Technology



po daac

Physical Oceanography Distributed Active Archive Center

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- About

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

Atmospheric Pressure (2)

Atmospheric Radiation (1)

Atmospheric Temperature (2)

Atmospheric Water Vapor (2)

Bathymetry/Seafloor Topography (2)

Clouds (1)

GRAVITY/GRAVITATIONAL FIELD (33)

Glaciers/Ice Sheets (2)

Humidity Indices (1)

Microwave (1)

Ocean Chemistry (3)

Ocean Circulation (8)

Ocean Heat Budget (1)

Ocean Optics (4)

Ocean Pressure (15)

Ocean Temperature (226)

Ocean Waves (15)

Ocean Winds (104)

Precipitation (5)

Radar (51)

Salinity/Density (156)

Sea Ice (37)

Sea Surface Topography (25)

2019 ESIP Summer Meeting
Surface Water (2)
Jessica Hausman representing PO.DAAC at the Earth Science Information Partners (ESIP) Summer Meeting in Tacoma, WA.

[More »](#)

Help

2019 User Working Group (UWG) Meeting

PO.DAAC welcomed our UWG, other DAAC representatives, and NASA officials for the annual meeting on 25-26 June 2019.

Announcements

Events

Select Filter

Processing Levels

Any processing level

- Level-2 (Swath) (62)
- Level-3 (Grid) (132)
- Level-4 (Blended) (32)

Across Swath Spatial Sampling

Any across swath spatial sampling

- ≤ 5 km (33)
- 5-25 km (11)
- ≥ 25 km (9)

Grid Spatial Resolution

Any grid spatial resolution

- ≤ 0.05 deg (94)
- 0.05-0.25 deg (35)
- ≥ 0.25 deg (45)

Temporal Resolution

Any temporal resolution

- < Daily (55)
- Daily (64)
- Weekly (31)
- ≥ Monthly (57)

Parameter

Any parameter

Ocean Temperature (226)

Any variable

- Sea Surface Temperature (204)
- Sea Surface Temperature Reconstruction (5)
- Skin Temperature (1)
- Surface Air Temperature (2)
- Temperature Profiles (17)

Latency

Any latency

- Near Real Time (65)
- Delayed Mode (40)
- Non-Active (121)

All Products

Dataset Discovery

To learn more about Ocean Temperature, please visit [this page](#).

 Need help selecting a dataset?
Visit the [PO.DAAC Forum](#)

Found **226** matching dataset(s).

[Advanced search](#)

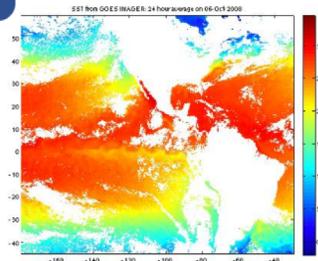
View mode:



Sort By

Prev **1** 2 3 4 5 6 7 8 9 10 11 ... 22 23 Next

1



GOES Level 3 6km Near Real Time SST 24 Hour

(GOES_L3_SST_6km_NRT_SST_24HOUR)

Ocean Temperature

Platform/Sensor: GOES-11/GOES I-M IMAGER , GOES-12/GOES I-M IMAGER , GOES-16/GOES N-P IMAGER

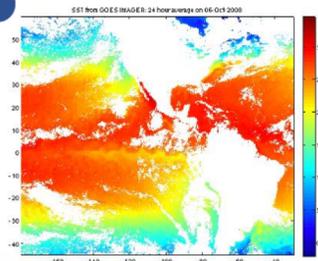
Processing Level: 3

Longitude/Latitude Resolution: 0.05 degrees x 0.05 degrees

Start/End Date: 2003-May-12 to Present

Description: Sea Surface Temperatures (SSTs) are derived from the series of Geostationary Environmental Satellites using GOES Imagers with five-band multispectral capability, 10 bit precision and ... [more](#)

2



GOES Level 3 6km Near Real Time SST 3 Hour (GOES_L3_SST_6km_NRT_SST_3HOUR)

Ocean Temperature

Platform/Sensor: GOES-11/GOES I-M IMAGER , GOES-12/GOES I-M IMAGER , GOES-16/GOES N-P IMAGER

Processing Level: 3

Longitude/Latitude Resolution: 0.05 degrees x 0.05 degrees

Start/End Date: 2003-May-12 to Present

Description: Sea Surface Temperatures (SSTs) are derived from the series of Geostationary Environmental Satellites using GOES Imagers with five-band multispectral capability, 10 bit precision and ... [more](#)

Select Filter

Processing Levels

Any processing level

- Level-2 (Swath) (62)
- Level-3 (Grid) (132)
- Level-4 (Blended) (32)

Across Swath Spatial Sampling

Any across swath spatial sampling

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- ≥ 25 km (9)

Grid Spatial Resolution

Any grid spatial resolution

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- 0.05-0.25 deg (35)
- ≥ 0.25 deg (45)

Temporal Resolution

Any temporal resolution

- < Daily (55)
- Daily (64)
- Weekly (31)
- ≥ Monthly (57)

Parameter

Any parameter

Ocean Temperature (226)

Any variable

- Sea Surface Temperature (204)
- Sea Surface Temperature Reconstruction (5)
- Skin Temperature (1)
- Surface Air Temperature (2)
- Temperature Profiles (17)

Latency

Any latency

- Near Real Time (65)
- Delayed Mode (40)
- Non-Active (121)

All Products

Dataset Discovery

To learn more about Ocean Temperature, please visit [this page](#).

 Need help selecting a dataset?
Visit the [PO.DAAC Forum](#)

Found **226** matching dataset(s).

[Advanced search](#)

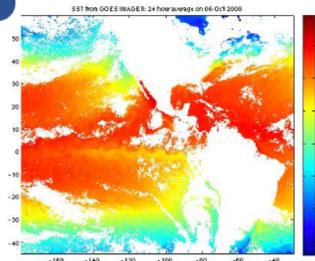
View mode:



Sort By

Prev **1** 2 3 4 5 6 7 8 9 10 11 ... 22 23 Next

1



GOES Level 3 6km Near Real Time SST 24 Hour

(GOES_L3_SST_6km_NRT_SST_24HOUR)

Ocean Temperature

Platform/Sensor: GOES-11/GOES I-M IMAGER , GOES-12/GOES I-M IMAGER , GOES-16/GOES N-P IMAGER

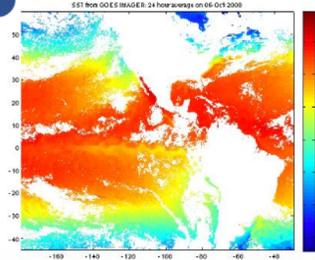
Processing Level: 3

Longitude/Latitude Resolution: 0.05 degrees x 0.05 degrees

Start/End Date: 2003-May-12 to Present

Description: Sea Surface Temperatures (SSTs) are derived from the series of Geostationary Environmental Satellites using GOES Imagers with five-band multispectral capability, 10 bit precision and ... [more](#)

2



GOES Level 3 6km Near Real Time SST 3 Hour

(GOES_L3_SST_6km_NRT_SST_3HOUR)

Ocean Temperature

Platform/Sensor: GOES-11/GOES I-M IMAGER , GOES-12/GOES I-M IMAGER , GOES-16/GOES N-P IMAGER

Processing Level: 3

Longitude/Latitude Resolution: 0.05 degrees x 0.05 degrees

Start/End Date: 2003-May-12 to Present

Description: Sea Surface Temperatures (SSTs) are derived from the series of Geostationary Environmental Satellites using GOES Imagers with five-band multispectral capability, 10 bit precision and ... [more](#)

Select Filter

Processing Levels

Any processing level

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Any parameter

Ocean Temperature (226)

Any variable

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- Temperature Profiles (17)

Latency

Any latency

- Near Real Time (65)
- Delayed Mode (40)
- Non-Active (121)

All Products

Dataset Discovery

To learn
please vi

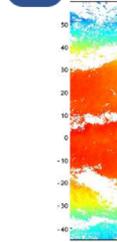
Found 22

Adv

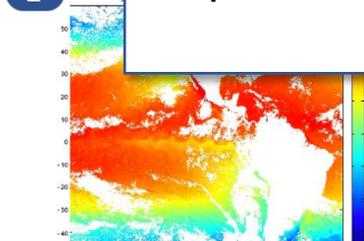
View mod

Prev

1



2



Processing levels:

L2 or L2P: A *swath* of data in the native sensor scan geometry. Very dense data sets like VIIRS may be broken into *granules* which are only a section of a full pass acquired during a short time interval. There is a distinct time for each SST pixel.

Gridding a single L2P file produces an *uncollated* L3U file with regular lon/lat coordinates that are kept the same for all times. Multiple passes may be combined into a L3C (*collated*) file. There is a distinct time for each SST pixel.

L4 gridded products are generated by combining complementary satellite and in situ observations, typically with optimal interpolation. They will be reported at a nominal average time.

16/GOES N-P IMAGER

Processing Level: 3

Longitude/Latitude Resolution: 0.05 degrees x 0.05 degrees

Start/End Date: 2003-May-12 to Present

Description: Sea Surface Temperatures (SSTs) are derived from the series of Geostationary Environmental Satellites using GOES Imagers with five-band multispectral capability, 10 bit precision and [more](#)

Select Filter

Processing Levels

Any processing level

Level-2 (Swath) (4)

Across Swath Spatial Sampling

Any across swath spatial sampling

≤ 5 km (4)

Grid Spatial Resolution

Any grid spatial resolution

≤ 0.05 deg (3)

Temporal Resolution

Any temporal resolution

< Daily (4)

Parameter

Any parameter

Ocean Temperature (4)

Any variable

Sea Surface Temperature (4)

Sea Surface Temperature Reconstruction

Skin Temperature

Surface Air Temperature

Temperature Profiles

Latency

Any latency

Near Real Time (4)

Collections

All Products › Level-2 (Swath): 2 › ≤ 5 km: [0.0 TO 5.0] › Near Real Time: NEAR_REAL_TIME

Dataset Discovery

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



Need help selecting a dataset?
Visit the [PO.DAAC Forum](#)

Found **4** matching dataset(s).

▶ [Advanced search](#)

View mode:

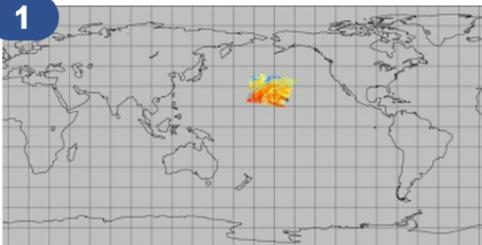


Sort By

Prev

1

Next



GHR SST Level 2P Global Sea Surface Temperature from the Visible Infrared Imaging Radiometer Suite (VIIRS) on the Suomi NPP satellite (GDS version 2) (VIIRS_NPP-JPL-L2P-v2016.0)

Ocean Temperature

Platform/Sensor: SUOMI-NPP/VIIRS

Processing Level: 2P

Along/Across Track Resolution: 0.8 km x 0.8 km

Start/End Date: 2011-Nov-21 to Present

Description: The Visible and Infrared Imager/Radiometer Suite (VIIRS) is a multi-disciplinary instrument that is being flown on the Joint Polar Satellite System (JPSS) series of spacecraft, including ... [more](#)

2

sea surface subskin temperature

GHR SST Level 2P OSPO dataset v2 61 from VIIRS on S-NPP Satellite

Select Filter

Processing Levels

Any processing level
Level-2 (Swath) (4)

Across Swath Spatial Sampling

Any across swath spatial sampling
≤ 5 km (4)

Grid Spatial Resolution

Any grid spatial resolution
≤ 0.05 deg (3)

Temporal Resolution

Any temporal resolution
< Daily (4)

Parameter

Any parameter
Ocean Temperature (4)
Any variable
Sea Surface Temperature (4)
Sea Surface Temperature Reconstruction
Skin Temperature
Surface Air Temperature
Temperature Profiles

Latency

Any latency
Near Real Time (4)

Collections

All Products › Level-2 (Swath): 2 › ≤ 5 km: [0.0 TO 5.0] › Near Real Time: NEAR_REAL_TIME

Dataset Discovery

Filters:

Apply several filters to find data sets suited for your application



Need help selecting a dataset?
Visit the PO.DAAC Forum

View mode:

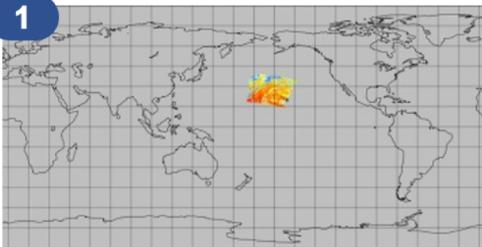


Sort By Popularity (All Time) ▾

Prev

1

Next



GHRSSST Level 2P Global Sea Surface Temperature from the Visible Infrared Imaging Radiometer Suite (VIIRS) on the Suomi NPP satellite (GDS version 2) (VIIRS_NPP-JPL-L2P-v2016.0)

Ocean Temperature

Platform/Sensor: SUOMI-NPP/VIIRS

Processing Level: 2P

Along/Across Track Resolution: 0.8 km x 0.8 km

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Description: The Visible and Infrared Imager/Radiometer Suite (VIIRS) is a multi-disciplinary instrument that is being flown on the Joint Polar Satellite System (JPSS) series of spacecraft, including ... [more](#)

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sea surface subskin temperature

GHRSSST Level 2P OSPO dataset v2 61 from VIIRS on S-NPP Satellite

Select Filter

Processing Levels

Any processing level
Level-2 (Swath) (4)

Across Swath Spatial Sampling

Any across swath spatial sampling
≤ 5 km (4)

Grid Spatial Resolution

Any grid spatial resolution
≤ 0.05 deg (3)

Temporal Resolution

Any temporal resolution
< Daily (4)

Parameter

Any parameter
Ocean Temperature (4)
Any variable
Sea Surface Temperature (4)
Sea Surface Temperature Reconstruction
Skin Temperature
Surface Air Temperature
Temperature Profiles

Latency

Any latency
Near Real Time (4)

Collections

All Products › Level-2 (Swath): 2 › ≤ 5 km: [0.0 TO 5.0] › Near Real Time: NEAR_REAL_TIME

Dataset Discovery

Filters:

Apply several filters to find data sets suited for your application



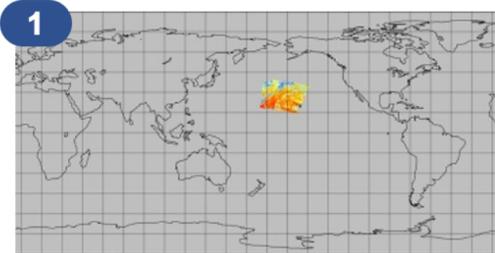
Need help selecting a dataset?
Visit the PO.DAAC Forum

View mode:



Sort By Popularity (All Time) ▾

Prev 1 Next



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Ocean Temperature

Platform/Sensor: SUOMI-NPP/VIIRS

Processing Level: 2P

Along/Across Track Resolution: 0.8 km x 0.8 km

Start/End Date: 2011-Nov-21 to Present

Description: The Visible and Infrared Imager/Radiometer Suite (VIIRS) is a multi-disciplinary instrument that is being flown on the Joint Polar Satellite System (JPSS) series of spacecraft, including ... [more](#)

2

sea surface subskin temperature

GHR SST Level 2P OSPO dataset v2 61 from VIIRS on S-NPP Satellite

Select Filter

Processing Levels

Any processing level
Level-2 (Swath) (4)

Across Swath Spatial Sa

Any across swath spatial sa
≤ 5 km (4)

Grid Spatial Resolution

Any grid spatial resolution
≤ 0.05 deg (3)

Temporal Resolution

Any temporal resolution
< Daily (4)

Parameter

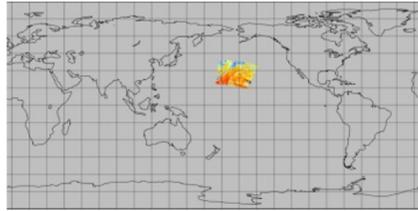
Any parameter
Ocean Temperature (4)
Any variable
Sea Surface Temperatu
Sea Surface Temperature
Skin Temperature
Surface Air Temperature
Temperature Profiles

Latency

Any latency
Near Real Time (4)

Collections

All Products › Level-2 (Swath): 2 › ≤ 5 km: [0.0 TO 5.0] › Near Real Time: NEAR_REAL_TIME



GHR SST Level 2P Global Sea Surface Temperature from the Visible Infrared Imaging Radiometer Suite (VIIRS) on the Suomi NPP satellite (GDS version 2)

SHARE THIS PAGE

https://podaac.jpl.nasa.gov/dataset/VIIRS_NPP-JPL-L2P-v2016.0

Please contact us if there are any discrepancies or inaccuracies found below.

Information

Data Access

Documentation

Citation

Granule (File) Listing

PO.DAAC DRIVE

https://podaac-tools.jpl.nasa.gov/drive/files/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/JPL/v2016.0

REMOTE-FTP

ftp://ftp.nodc.noaa.gov/pub/data.nodc/ghrsst/GDS2/L2P/VIIRS_NPP/JPL/v2016.0

OPENDAP

https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/JPL/v2016.0/

REMOTE-HTTP

https://data.nodc.noaa.gov/ghrsst/GDS2/L2P/VIIRS_NPP/JPL/v2016.0

Format (Compression)

NETCDF (NONE)

Web Service

<https://podaac.jpl.nasa.gov/ws/search/granule/?datasetId=PODAAC-GHRS-2PN16>
(Search Granule)

... selecting a dataset?
... O.DAAC Forum

... ty (All Time) ▾

... from the Visible
... mi NPP satellite

... e (VIIRS) is a multi-
... tellite System (JPSS)

PO.DAAC drive: Allows you to mount the PO.DAAC archive as a file system and search/access granules with UNIX tools like *find* and *grep*.

Requires a NASA Earthdata login.

Earthdata Login

<https://urs.earthdata.nasa.gov/> ▼

The **Earthdata Login** provides a single mechanism for user registration and profile management for all EOSDIS system components (DAACs, Tools, Services).

Register

Required field. Username must: Be a
Minimum of 4 characters; Be a ...

Documentation

Earthdata Login Overview. The
EOSDIS Earthdata Login ...

```
kiwi:~ wilkin$ ls -l /Volumes/files/allData/ghrsst/data/GDS2/L2P/AMSR2/REMSS/v8a/2019/001
total 149909
-rwx----- 5463265 Jan  3  2019 20190101002925-REMSS-L2P_GHRSSST-SSTsubskin-AMSR2-L2B_v08_r35233-v02.0-fv01.0.nc
-rwx-----   112 Jan  3  2019 20190101002925-REMSS-L2P_GHRSSST-SSTsubskin-AMSR2-L2B_v08_r35233-v02.0-fv01.0.nc.md5
-rwx----- 5849936 Jan  3  2019 20190101020818-REMSS-L2P_GHRSSST-SSTsubskin-AMSR2-L2B_v08_r35234-v02.0-fv01.0.nc
-rwx-----   112 Jan  3  2019 20190101020818-REMSS-L2P_GHRSSST-SSTsubskin-AMSR2-L2B_v08_r35234-v02.0-fv01.0.nc.md5
-rwx----- 5081045 Jan  3  2019 20190101034710-REMSS-L2P_GHRSSST-SSTsubskin-AMSR2-L2B_v08_r35235-v02.0-fv01.0.nc
-rwx-----   112 Jan  3  2019 20190101034710-REMSS-L2P_GHRSSST-SSTsubskin-AMSR2-L2B_v08_r35235-v02.0-fv01.0.nc.md5
-rwx----- 4878003 Jan  3  2019 20190101052604-REMSS-L2P_GHRSSST-SSTsubskin-AMSR2-L2B_v08_r35236-v02.0-fv01.0.nc
-rwx-----   112 Jan  3  2019 20190101052604-REMSS-L2P_GHRSSST-SSTsubskin-AMSR2-L2B_v08_r35236-v02.0-fv01.0.nc.md5
```

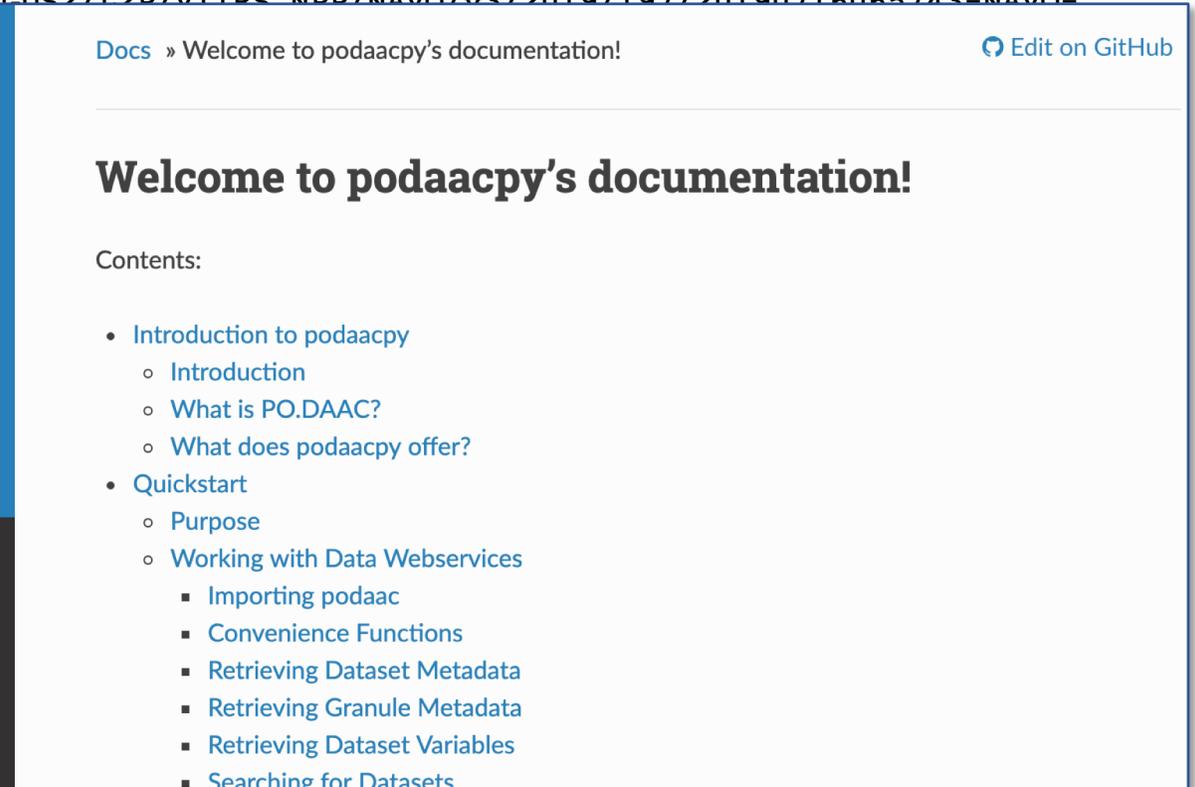
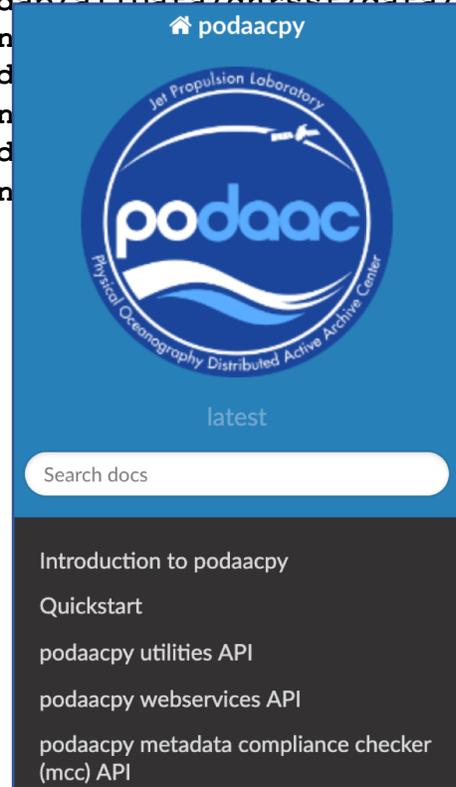
Granule search: Allows you to find the data granules that meet geospatial search criteria.

```
queequ@~ wilkin$ curl -k --silent "https://podaac.jpl.nasa.gov/ws/search/granule/?datasetId=PODAAC-GHVR-2PN30&startTime=2019-07-16T00:00:00Z&endTime=2019-07-18T00:00:00Z&bbox=-82.0,32.0,-59.0,47.0&itemsPerPage=1000" | \
grep -o 'https://podaac-opendap[^\"]*\.\nc'
https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/NAVO/v3/2019/197/20190716065908-NAVO-L2P_GHRSSST-SST1m-VIIRS_NPP-v02.0-fv03.0.nc
https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/NAVO/v3/2019/197/20190716065743-NAVO-L2P_GHRSSST-SST1m-VIIRS_NPP-v02.0-fv03.0.nc
https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/NAVO/v3/2019/197/20190716065617-NAVO-L2P_GHRSSST-SST1m-VIIRS_NPP-v02.0-fv03.0.nc
https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/NAVO/v3/2019/197/20190716065452-NAVO-L2P_GHRSSST-SST1m-VIIRS_NPP-v02.0-fv03.0.nc
```

Granule search: Allows you to find the data granules that meet geospatial search criteria.

```
queequ@~ wilkin$ curl -k --silent "https://podaac.jpl.nasa.gov/ws/search/granule/?datasetId=PODAAC-GHRSST-2PN30&startTime=2019-07-16T00:00:00Z&endTime=2019-07-18T00:00:00Z&bbox=-82.0,32.0,-59.0,47.0&itemsPerPage=1000" | \
grep -o 'https://podaac-opendap[^\"]*\.\nc'
https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/NAVO/v3/2019/197/20190716065908-NAVO-L2P_GHRSSST-SST1m-VIIRS_NPP-v02.0-fv03.0.nc
https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/NAVO/v3/2019/197/20190716065743-NAVO-L2P_GHRSSST-SST1m-VIIRS_NPP-v02.0-fv03.0.nc
https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/NAVO/v3/2019/197/20190716065743-NAVO-L2P_GHRSSST-SST1m-VIIRS_NPP-v02.0-fv03.0.nc
https://podaac-opendap.jpl.nasa.gov/opendap/allData/ghrsst/data/GDS2/L2P/VIIRS_NPP/NAVO/v3/2019/197/20190716065743-NAVO-L2P_GHRSSST-SST1m-VIIRS_NPP-v02.0-fv03.0.nc
```

podaacpy: There is a supported python toolbox for working with PO.DAAC datasets



ERDDAP > griddap

Griddap lets you use the OPeNDAP hyperslab protocol to request data subsets, graphs, and maps from gridded datasets (for example, satellite data and climate model data). For details, see [ERDDAP's griddap Documentation](#).

1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 .
(Or, refine this search with [Advanced Search](#))

Grid DAP Data	Sub-set	Table DAP Data	Make A Graph	W M S	Source Data Files	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info
data			graph			public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly	🔍	F I M	background 🔗
data			graph	M		public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly, Lon+/-180	🔍	F I M	background 🔗
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month	🔍	F I M	background 🔗
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 7-Day	🔍	F I M	background 🔗
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, Daily	🔍	F I M	background 🔗
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, Monthly	🔍	F I M	background 🔗
data			graph		files	public	Audio data from a local source.	🔍	M	background 🔗
data			graph	M	files	public	AVHRR Pathfinder Version 5.3 L3-Collated (L3C) SST, Global, 0.0417°, 1981-present, Daytime (1 Day Composite)	🔍	F I M	background 🔗
data			graph	M	files	public	AVHRR Pathfinder Version 5.3 L3-Collated (L3C) SST, Global, 0.0417°, 1981-present, Nighttime (1 Day Composite)	🔍	F I M	background 🔗
data			graph			public	AVISO Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 1992-2010, Monthly	🔍	F I M	background 🔗
data			graph	M		public	AVISO Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 1992-2010, Monthly, Lon+/-180	🔍	F I M	background 🔗
data			graph	M	files	public	C-HARM 1-Day Advanced Forecast: Pseudo-Nitzschia, cellular domoic acid, and particulate domoic acid probability, California and Southern Oregon coast	🔍	F I M	background 🔗
data			graph	M	files	public	C-HARM 2-Day Advanced Forecast: Pseudo-Nitzschia, cellular domoic acid, and particulate domoic acid probability, California and Southern Oregon coast	🔍	F I M	background 🔗
data			graph	M	files	public	C-HARM 3-Day Advanced Forecast: Pseudo-Nitzschia, cellular domoic acid, and particulate domoic acid probability, California and Southern Oregon coast	🔍	F I M	background 🔗
data			graph	M	files	public	C-HARM Nowcast: Pseudo-Nitzschia, cellular domoic acid, and particulate domoic acid probability, California and Southern Oregon coast	🔍	F I M	background 🔗
data			graph			public	CCMP Winds, Atlas FLK v1.1 Derived Surface Winds (Level 3.5a), Global, 0.25 Degree, 1987-1987, Monthly	🔍	F I M	background 🔗
data			graph	M		public	CCMP Winds, Atlas FLK v1.1 Derived Surface Winds (Level 3.5a), Global, 0.25 Degree, 1987-1987, Monthly, Lon+/-180	🔍	F I M	background 🔗
data			graph			public	CCMP Winds, Atlas FLK v1.1 Derived Surface Winds (Level 3.5a), Global, 0.25 Degree, 1987-2011, 5-Day Averages	🔍	F I M	background 🔗
data			graph	M		public	CCMP Winds, Atlas FLK v1.1 Derived Surface Winds (Level 3.5a), Global, 0.25 Degree, 1987-2011, 5-Day Averages, Lon+/-180	🔍	F I M	background 🔗
data			graph	M	files	public	Chlorophyll a, North Pacific, NOAA VIIRS, 750m resolution, 2015-present (1 Day Composite)	🔍	F I M	background 🔗
data			graph	M	files	public	Chlorophyll a, North Pacific, NOAA VIIRS, 750m resolution, 2015-present (3 Day Composite)	🔍	F I M	background 🔗
data			graph	M	files	public	Chlorophyll a, North Pacific, NOAA VIIRS, 750m resolution, 2015-present (8 Day Composite)	🔍	F I M	background 🔗
data			graph	M	files	public	Chlorophyll a, North Pacific, NOAA VIIRS, 750m resolution, 2015-present (Monthly Composite)	🔍	F I M	background 🔗

ERDDAP > griddap

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1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 .
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Grid DAP Data	Sub-set	Table DAP Data	Make A Graph	W M S	Source Data Files	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info
data			graph			public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly		F I M	background
data			graph	M		public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly, Lon+/-180		F I M	background
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 7-Day		F I M	background
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, Daily		F I M	background
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, Monthly		F I M	background
data			graph		files	public	Audio data from a local source.		M	background
data			graph	M	files	public	AVHRR Pathfinder Version 5.3 L3-Collated (L3C) SST, Global, 0.0417°, 1981-present, Daytime (1 Day Composite)		F I M	background
data			graph	M	files	public	AVHRR Pathfinder Version 5.3 L3-Collated (L3C) SST, Global, 0.0417°, 1981-present, Nighttime (1 Day Composite)		F I M	background
data			graph			public	AVISO Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 1992-2010, Monthly		F I M	background
data			graph	M		public	AVISO Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 1992-2010, Monthly, Lon+/-180		F I M	background
data			graph	M	files	public	C-HARM 1-Day Advanced Forecast: Pseudo-Nitzschia, cellular domoic acid, and particulate domoic acid probability, California and Southern Oregon coast		F I M	background
data			graph	M	files	public	C-HARM 2-Day Advanced Forecast: Pseudo-Nitzschia, cellular domoic acid, and particulate domoic acid probability, California and Southern Oregon coast		F I M	background
data			graph	M	files	public	C-HARM 3-Day Advanced Forecast: Pseudo-Nitzschia, cellular domoic acid, and particulate domoic acid probability, California and Southern Oregon coast		F I M	background
data			graph	M	files	public	C-HARM Nowcast: Pseudo-Nitzschia, cellular domoic acid, and particulate domoic acid probability, California and Southern Oregon coast		F I M	background
data			graph			public	CCMP Winds, Atlas FLK v1.1 Derived Surface Winds (Level 3.5a), Global, 0.25 Degree, 1987-1987, Monthly		F I M	background
data			graph	M		public	CCMP Winds, Atlas FLK v1.1 Derived Surface Winds (Level 3.5a), Global, 0.25 Degree, 1987-1987, Monthly, Lon+/-180		F I M	background
data			graph			public	CCMP Winds, Atlas FLK v1.1 Derived Surface Winds (Level 3.5a), Global, 0.25 Degree, 1987-2011, 5-Day Averages		F I M	background
data			graph	M		public	CCMP Winds, Atlas FLK v1.1 Derived Surface Winds (Level 3.5a), Global, 0.25 Degree, 1987-2011, 5-Day Averages, Lon+/-180		F I M	background
data			graph	M	files	public	Chlorophyll a, North Pacific, NOAA VIIRS, 750m resolution, 2015-present (1 Day Composite)		F I M	background
data			graph	M	files	public	Chlorophyll a, North Pacific, NOAA VIIRS, 750m resolution, 2015-present (3 Day Composite)		F I M	background
data			graph	M	files	public	Chlorophyll a, North Pacific, NOAA VIIRS, 750m resolution, 2015-present (8 Day Composite)		F I M	background
data			graph	M	files	public	Chlorophyll a, North Pacific, NOAA VIIRS, 750m resolution, 2015-present (Monthly Composite)		F I M	background

ERDDAP > griddap

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1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 .
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Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info
data		graph	A	M	Files	public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly		F I M	background
data		graph	M			public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly, Lon+/-180		F I M	background
data		graph	M			public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background

ERDDAP > Advanced Search

Directions: Specify as many or as few search criteria as you want, then click Search. Only the datasets that match all of the search criteria will appear in the results.

Full Text Search for Datasets

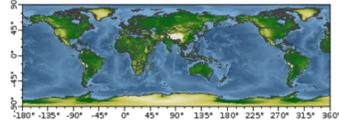
temperature

Search for Datasets by Category

protocol = tabledap
 cdm_data_type = trajectoryprofile
 institution = (ANY)
 loos_category = (ANY)
 keywords = (ANY)
 long_name = (ANY)
 standard_name = (ANY)
 variableName = (ANY)

Search for Datasets that have Data within Longitude, Latitude, and Time Ranges

Maximum Latitude =
 Min and Max Longitude =
 Minimum Latitude =



Minimum Time =
 Maximum Time =

Search

Advanced Search Results

4 matching datasets, with the most relevant ones listed first.

Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info	RSS	E-mail	Institution
	set	data	graph	files	public		Global Temperature and Salinity Profile Programme (GTSP) Data, 1985-present		F I M	background	RSS		NOAA NODC
	set	data	graph	files	public		SWFSC FED Mid Water Trawl Juvenile Rockfish Survey, CTD Data, 1987-2015		F I M	background	RSS		NOAA SWFSC
	set	data	graph	files	public		GLOBEC NEP Rosette Bottle Data (2002)		F I M	background	RSS		GLOBEC
	set	data	graph	files	public		Gliders, Scripps Institution of Oceanography, 2014-present		F I M	background	RSS		Scripps Instituti

ERDDAP > griddap

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1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 .
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Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info
data		graph	M		public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly		F I M	background	
data		graph	M		public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly, Lon+/-180		F I M	background	
data		graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background	

ERDDAP > Advanced Search

Directions: Specify as many or as few search criteria as you want, then click Search.
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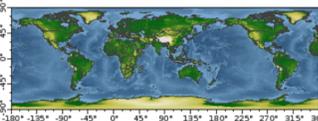
Full Text Search for Datasets

temperature

Search for Datasets by Category

protocol = tabledap
 cdm_data_type = trajectoryprofile
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 loos_category = (ANY)
 keywords = (ANY)
 long_name = (ANY)
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 Min and Max Longitude =
 Minimum Latitude =


Minimum Time =
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Advanced Search Results

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	set	data	graph	files	public		Global Temperature and Salinity Profile Programme (GTSP) Data, 1985-present		F I M	background	RSS		NOAA NODC
	set	data	graph	files	public		SWFSC FED Mid Water Trawl Juvenile Rockfish Survey, CTD Data, 1987-2015		F I M	background	RSS		NOAA SWFSC
	set	data	graph	files	public		GLOBEC NEP Rosette Bottle Data (2002)		F I M	background	RSS		GLOBEC
	set	data	graph	files	public		Gliders, Scripps Institution of Oceanography, 2014-present		F I M	background	RSS		Scripps Instituti

ERDDAP > griddap

Griddap lets you use the OPeNDAP hyperslab protocol to request data subsets, graphs, and maps from gridded datasets (for example, satellite data and climate model data). For details, see ERDDAP's griddap Documentation.

1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 .
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Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info
data		graph	A	M	Data Files	public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly		F I M	background
data		graph	M			public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly, Lon+/-180		F I M	background
data		graph	M			public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background

ERDDAP > Advanced Search

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Full Text Search for Datasets

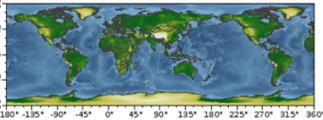
temperature

Search for Datasets by Category

protocol = tabledap
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Search for Datasets that have Data within Longitude, Latitude, and Time Ranges

Maximum Latitude =
 Min and Max Longitude =
 Minimum Latitude =



Minimum Time =
 Maximum Time =

Search

Advanced Search Results

4 matching datasets, with the most relevant ones listed first.

Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info	RSS	E-mail	Institution
set	data	graph	A	M	files	public	Global Temperature and Salinity Profile Programme (GTSP) Data, 1985-present		F I M	background	RSS		NOAA NODC
set	data	graph	A	M	files	public	SWFSC FED Mid Water Trawl Juvenile Rockfish Survey, CTD Data, 1987-2015		F I M	background	RSS		NOAA SWFSC
set	data	graph	A	M	files	public	GLOBEC NEP Rosette Bottle Data (2002)		F I M	background	RSS		GLOBEC
set	data	graph	A	M	files	public	Gliders, Scripps Institution of Oceanography, 2014-present		F I M	background	RSS		Scripps Institution of Oceanography

ERDDAP > griddap

Griddap lets you use the OPeNDAP hyperslab protocol to request data subsets, graphs, and maps from gridded datasets (for example, satellite data and climate model data). For details, see ERDDAP's griddap Documentation.

1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 .
(Or, refine this search with Advanced Search)

Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info
data			graph	S	Files		AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly		F I M	background
data			graph	M		public	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly, Lon+/-180		F I M	background
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background
data			graph	M		public	Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background

ERDDAP
Easier access to scientific data
Brought to you by NOAA NMFS SWFSC ERD

ERDDAP > Advanced Search

Directions: Specify as many or as few search criteria as you want, then click Search. Only the datasets that match all of the search criteria will appear in the results.

Full Text Search for Datasets
temperature

Search for Datasets by Category
protocol = tabledap
cdm_data_type = trajectoryprofile
institution = (ANY)
loos_category = (ANY)
keywords = (ANY)
long_name = (ANY)
standard_name = (ANY)
variableName = (ANY)

Search for Datasets that have Data within Longitude, Latitude, and Time Ranges
Maximum Latitude =
Min and Max Longitude =
Minimum Latitude =
Minimum Time =
Maximum Time =

ERDDAP > tabledap > Make A Graph

Dataset Title: **Gliders, Scripps Institution of Oceanography, 2014-present**

Institution: Scripps Institution of Oceanography (Dataset ID: scrippsGliders)
Range: longitude = -125.6121 to 157.10039 E, latitude = -12.519775 to 51.672527 N, depth = -8.817897 to 1037.741m, time = 2014-01-16T19:35:15Z to 2019-07-26T15:01:45Z
Information: Summary | License | FGDC | ISO 19115 | Metadata | Background | Subset | Data Access Form | Files

Graph Type: markers
X Axis: longitude
Y Axis: latitude
Color: time

Optional Constraint #1: time > 2019-07-12T15:01:45
Optional Constraint #2:

Server-side Functions: distinct

Graph Settings: Marker Type: Plus, Size: 5, Color: [Color Bar], Continuity: [Scale], Draw land mask: [N Sections], Y Axis Minimum: [Maximum], [Ascending]

Click on the map to specify a new center point.
Zoom: Out 8x | Out 2x | Out | In 2x | In 8x

Advanced Search Results

4 matching datasets, with the most relevant ones listed first.

Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title
set	data	graph	files	public	Global Temperature and Salinity Profile Programme (GTSP) Data		Global Temperature and Salinity Profile Programme (GTSP) Data
set	data	graph	files	public	SWFSC FED Mid Water Trawl Juvenile Rockfish Survey, CTD Data		SWFSC FED Mid Water Trawl Juvenile Rockfish Survey, CTD Data
set	data	graph	files	public	GLOBEC NEP Rosette Bottle Data (2002)		GLOBEC NEP Rosette Bottle Data (2002)
set	data	graph	files	public	Gliders, Scripps Institution of Oceanography, 2014-present		Gliders, Scripps Institution of Oceanography, 2014-present

Redraw the Graph

(Please be patient. It may take a while to get the data.)
Optional:
Then set the File Type: [File Type information]
and Download the Data or an Image
or view the URL: <https://coastwatch.pfeg.noaa.gov/erddap/tabledap/scrippsGliders>
(Documentation / Bypass this form)

Things You Can Do With Your Graphs

Well, you can do anything you want with your graphs, of course. But some things you might not have considered are:

ERDDAP > griddap

Griddap lets you use the OPeNDAP hyperslab protocol to request data subsets, graphs, and maps from gridded datasets (for example, satellite data and climate model data). For details, see ERDDAP's griddap Documentation.

1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 .
(Or, refine this search with Advanced Search)

Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title	Sum-mary	FGDC, ISO, Metadata	Back-ground Info
data		graph	A	M	S	Files	AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly		F I M	background
data		graph	M				AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly, Lon+/-180		F I M	background
data		graph	M				Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background
data		graph	M				Aquarius Sea Surface Salinity, L3 SMI, Version 5, 1.0°, Global, 2011-2015, 3-Month		F I M	background

ERDDAP > Advanced Search

Directions: Specify as many or as few search criteria as you want, then click Search. Only the datasets that match all of the search criteria will appear in the results.

Full Text Search for Datasets

Search for Datasets by Category

- protocol = tabledap
- cdm_data_type = trajectoryprofile
- institution = (ANY)
- loos_category = (ANY)
- keywords = (ANY)
- long_name = (ANY)
- standard_name = (ANY)
- variableName = (ANY)

Search for Datasets that have Data within Longitude, Latitude, and Time Ranges

Maximum Latitude =

Min and Max Longitude =

Minimum Latitude =

Minimum Time =

Maximum Time =

Search

Advanced Search Results

4 matching datasets, with the most relevant ones listed first.

Grid DAP	Sub-set	Table DAP	Make A	W	Source	Access-ible	Title
set	data	graph	files		public		Global Temperature and Salinity Profile Programme (GTSP) Data
set	data	graph	files		public		SWFSC FED Mid Water Trawl Juvenile Rockfish Survey, CTD Data
set	data	graph	files		public		GLOBEC NEP Rosette Bottle Data (2002)
set	data	graph	files		public		Gliders, Scripps Institution of Oceanography, 2014-present

ERDDAP > tabledap > Make A Graph

Dataset Title: **Gliders, Scripps Institution of Oceanography, 2014-present**

Institution: Scripps Institution of Oceanography (Dataset ID: scrippsGliders)

Range: longitude = -125.6121 to 157.10039 E, latitude = -12.519775 to 51.67627°N, depth = -8.817897 to 1037.741m, time = 2014-01-16T19:35:15Z to 2019-07-26T15:01:45Z

Information: Summary | License | FGDC | ISO 19115 | Metadata | Background | Subset | Data Access Form | Files

Graph Type: markers

X Axis: longitude

Y Axis: latitude

Color: time

Click on the map to specify a new center point.

Zoom: Out 8x | Out 2x | Out | Data | In | In 2x | In 8x

Constraints

Optional Constraint #1

Optional Constraint #2

Server-side Functions

distinct()

Graph Settings

Marker Type: Plus

Color: [Color Selection]

Color Bar: Continuity: [Continuity Selection] Scale: [Scale Selection]

Draw land mask: [Draw land mask Selection]

Y Axis Minimum: [Y Axis Minimum Selection] Maximum: [Maximum Selection] Ascending: [Ascending Selection]

Redraw the Graph (Please be patient. It may take a while to get the data.)

Optional:

Set the File Type: [File Type Selection] (File Type information)

Download the Data or an Image

or view the URL: <https://coastwatch.pfeg.noaa.gov/erddap/tabledap/scrippsGliders>

(Documentation / Bypass this form)

Things You Can Do With Your Graphs

Well, you can do anything you want with your graphs, of course. But some things you might not have considered are:

ERDDAP > griddap

Griddap lets you use the OPeNDAP hyperslab protocol to request data subsets, graphs, and maps from gridded datasets (for example, satellite data and climate model data). For details, see ERDDAP's griddap Documentation.

1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 . (Or, refine this search with Advanced Search)

Table with columns: Grid DAP, Sub-set, Table DAP, Make A Graph, W M S, Source Data Files, Accessible, Title, Summary, FGDC, ISO, Metadata, Background Info. Lists datasets like AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly.

ERDDAP > Advanced Search. Includes sections for Full Text Search for Datasets, Search for Datasets by Category (tabledap selected), and Search for Datasets that have Data within Longitude, Latitude, and Time Ranges.

Advanced Search Results. 4 matching datasets, with the most relevant ones listed first. Includes a table with columns: Grid DAP, Sub-set, Table DAP, Make A Graph, W M S, Source Data Files, Accessible, Title. The first row is circled in red: 'set data graph files public Gliders, Scripps Institution of Oceanography, 2014-present'.

ERDDAP > tabledap > Make A Graph

Dataset Title: Gliders, Scripps Institution of Oceanography, 2014-present. Includes fields for Institution, Information, Graph Type, Constraints, Server-side Functions, and Graph Settings. A map shows the location of the data in the Pacific Ocean.

Redraw the Graph (Please be patient. It may take a while to get the data.) Optional: Set the File Type, Download the Data or an Image, or view the URL.

Things You Can Do With Your Graphs. Well, you can do anything you want with your graphs, of course. But some things you might not have considered are:

ERDDAP > tabledap > Data Access Form

Dataset Title: Gliders, Scripps Institution of Oceanography, 2014-present. Institution: Scripps Institution of Oceanography (Dataset ID: scrippsGliders). Information: Summary | License | FGDC | ISO 19115 | Metadata | Background | Subset | Files | Make a graph

Data Access Form. Variable selection: trajectory (Trajectory Name), institution, platform_id, platform_type, wmo_id, ctd_make_model (CTD Make and Model), segment_id, time_uv (Depth-averaged Time, UTC), lat_uv (degrees_north), lon_uv (degrees_east), u (m s-1), v (m s-1), uv_qc (uv Quality Flag), profile_id, profile_qc, time (Profile Time, UTC). Constraints and optional functions are also defined.

Server-side Functions: distinct(). File type: .nc. Submit (Please be patient. It may take a while to get the data.)

ERDDAP > griddap

Griddap lets you use the OPeNDAP hyperslab protocol to request data subsets, graphs, and maps from gridded datasets (for example, satellite data and climate model data). For details, see ERDDAP's griddap Documentation.

1050 matching datasets, listed in alphabetical order. View page: 1 (current) 2 . (Or, refine this search with Advanced Search)

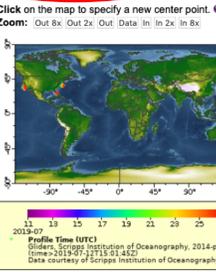
Table with columns: Grid DAP, Sub-set, Table DAP, Make A Graph, W M S, Source Data Files, Accessible, Title, Summary, FGDC, ISO, Metadata, Background Info. Includes dataset entries like 'AMSRE Model Output, obs4MIPs NASA-JPL, Global, 1 Degree, 2002-2010, Monthly'.

ERDDAP > Advanced Search. Includes sections for 'Full Text Search for Datasets', 'Search for Datasets by Category', and 'Search for Datasets that have Data within Longitude, Latitude, and Time Ranges'.

Advanced Search Results. 4 matching datasets, with the most relevant ones listed first. Table with columns: Grid DAP, Sub-set, Table DAP, Make A Graph, W M S, Source Data Files, Accessible, Title. Includes 'Global Temperature and Salinity Profile Programme (GTSP) Data' and 'Gliders, Scripps Institution of Oceanography, 2014-present'.

ERDDAP > tabledap > Make A Graph

Dataset Title: Gliders, Scripps Institution of Oceanography, 2014-present. Includes fields for Institution, Information, Graph Type, Constraints, Server-side Functions, and Graph Settings.



Redraw the Graph (Please be patient. It may take a while to get the data.) Includes optional fields for File Type and URL.

Things You Can Do With Your Graphs. Well, you can do anything you want with your graphs, of course. But some things you might not have considered are:

ERDDAP > tabledap > Data Access Form

Dataset Title: Gliders, Scripps Institution of Oceanography, 2014-present. Includes Institution and Information fields.

Data Access Form with various constraints and options. Includes sections for 'Optional Constraint #1', 'Optional Constraint #2', 'Minimum or a List of Values', and 'Maximum'. Lists variables like 'trajectory (Trajectory Name)', 'time_uv', 'lat_uv', etc.

File type: (more info) .nc - Download a flat, table-like, NetCDF-3 binary file with COARDS/CF/ACDD metadata. Includes a 'Submit' button.

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- select version
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- get large archive of profiles (messy)

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Name	Size	Last Modified	
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File: CORA-5.2-global-1958.tgz	12781 KB	4/4/19	8:07:00 AM EDT

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The Marine Strategy Framework Directive (MSFD) is the EU's legal instrument for the protection of our seas.
Mercator Ocean International organizes in October 2019 in Brussels, Belgium, an event entitled "Copernicus Marine for MSFD".
MSFD was introduced in 2008 by the EU to promote

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REGIONAL DOMAIN
All areas

PARAMETERS
TEMPORAL COVERAGE
From 1991-12-31 To 2019-08-0
 If checked, the search results will only show products containing the whole selected time range

PRODUCT WITH DEPTH LEVEL

GLOBAL_REANALYSIS_PHY_001_025
GLOBAL OCEAN PHYSICS REANALYSIS
MODEL GLO
T bottomT S SSH 3DUV MLD SIC SIT SILV
0.25 degree x 0.25 degree (75 depth levels)
From 1993-01-01 to 2015-12-29
daily-mean, monthly-mean
MORE INFO ADD TO CART WMS Sub-setting

INSITU_GLO_TS_REP_OBSERVATIONS_013_001_B
GLOBAL OCEAN- CORA- In-situ Observations Yearly Delivery in Delayed Mode
OBSERVATION L2 GLO
T S
undefined km x undefined km (discrete depth levels)
From 1990-01-01 to 2018-06-30
Instantaneous
MORE INFO ADD TO CART WMS Sub-setting

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DATA ACCESS

REPORT ISSUE BACK TO SEARCH

MY CART

INSITU_GLO_TS_REP_OBSERVATIONS_013_001_b

DOWNLOAD OPTIONS

FTP
Filtering is not applicable for "FTP Access" (no criteria taken into account).
You can connect to the FTP server with your Copernicus Marine Service credentials to select dataset files.

FTP ACCESS

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DATA ACCESS

REPORT ISSUE BACK TO SEARCH

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Global Ocean- CORA- In-situ Observations Yearly Delivery in Delayed Mode

INSITU_GLO_TS_REP_OBSERVATIONS_013_001_b

DATASET SELECTED

- ✓ CHOOSE A DATASET
- CORIOLIS-GLOBAL-CORA05.0-OBS
- CORIOLIS-GLOBAL-CORA05.1-OBS
- CORIOLIS-GLOBAL-CORA05.2-OBS
- CORIOLIS-GLOBAL-EASYCORA05.2-OBS

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- get large archive of profiles (messy)

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MODEL: GLO
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INSITU_GLO_TS_REP_OBSERVATIONS_013_001_B
GLOBAL OCEAN- CORA- In-situ Observations Yearly Delivery in Delayed Mode
OBSERVATION: L2
T S
undefined km x undefined km (discrete depth levels)
From 1990-01-01 to 2018-06-30
instantaneous

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DOWNLOAD OPTIONS

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DATA ACCESS

MY CART

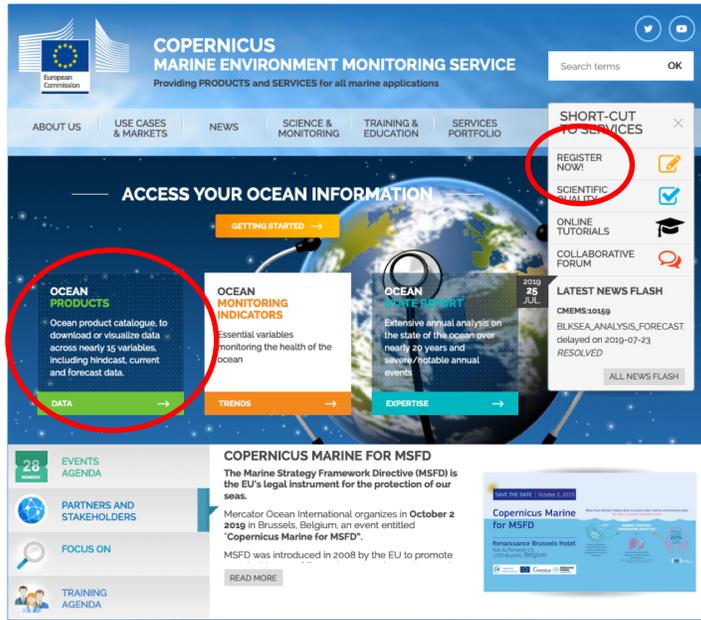
Global Ocean- CORA- In-situ Observations Yearly Delivery in Delayed Mode

INSITU_GLO_TS_REP_OBSERVATIONS_013_001_b

DATASET SELECTED

CORIOLIS-GLOBAL-CORA05.0-OBS
CORIOLIS-GLOBAL-CORA05.1-OBS
CORIOLIS-GLOBAL-CORA05.2-OBS
CORIOLIS-GLOBAL-EASYCORA05.2-OBS

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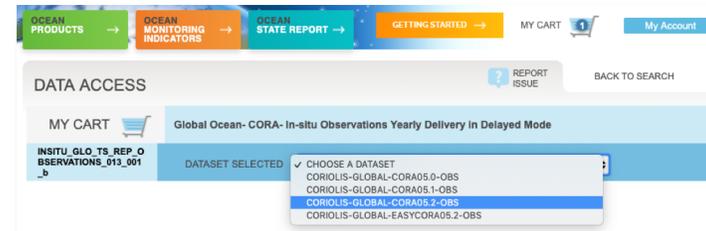
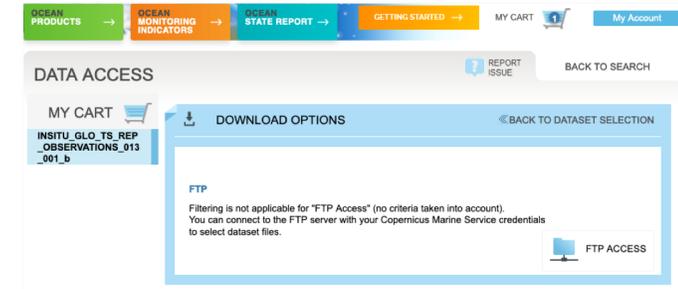
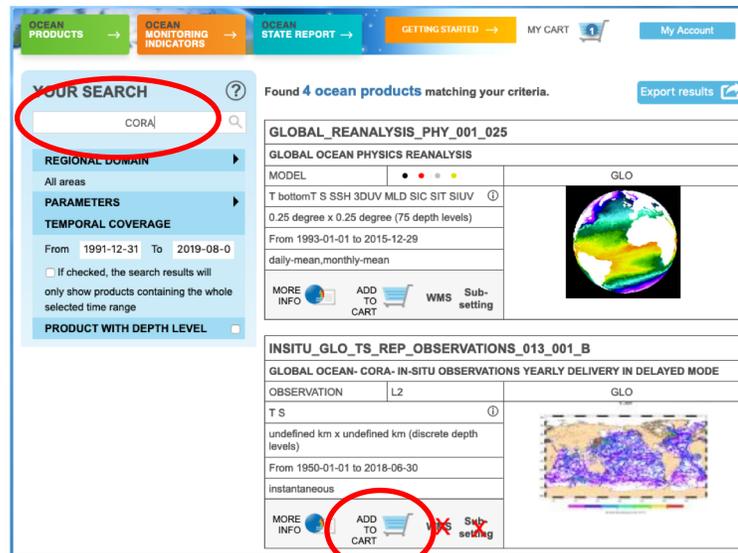


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- download, gunzip, tar -x
- get large archive of profiles (messy)

Index of ftp://my.cmems-du.eu/Core/INSITU_GLO_TS_REP_OBSERVATIONS_013_001_b/CORIOLIS-GLOBAL-CORA05.2-OBS/RAW_data/global/

[Up to higher level directory](#)

Name	Size	Last Modified	
File: CORA-5.2-global-1950.tgz	7683 KB	4/4/19	8:14:00 AM EDT
File: CORA-5.2-global-1951.tgz	9589 KB	4/4/19	8:14:00 AM EDT
File: CORA-5.2-global-1952.tgz	11125 KB	4/4/19	8:30:00 AM EDT
File: CORA-5.2-global-1953.tgz	10109 KB	4/4/19	8:28:00 AM EDT
File: CORA-5.2-global-1954.tgz	9986 KB	4/4/19	8:39:00 AM EDT
File: CORA-5.2-global-1955.tgz	8426 KB	4/4/19	8:34:00 AM EDT
File: CORA-5.2-global-1956.tgz	9585 KB	4/4/19	8:14:00 AM EDT
File: CORA-5.2-global-1957.tgz	11744 KB	4/4/19	8:34:00 AM EDT
File: CORA-5.2-global-1958.tgz	12781 KB	4/4/19	8:07:00 AM EDT

YOUR SEARCH

Found 4 ocean products matching your criteria.

GLOBAL_REANALYSIS_PHY_001_025
GLOBAL OCEAN PHYSICS REANALYSIS

INSITU_GLO_TS_REP_OBSERVATIONS_013_001_B
GLOBAL OCEAN- CORA- In-situ Observations Yearly Delivery in Delayed Mode

ADD TO CART

DATA ACCESS

MY CART

INSITU_GLO_TS_REP_OBSERVATIONS_013_001_b

DOWNLOAD OPTIONS

FTP ACCESS

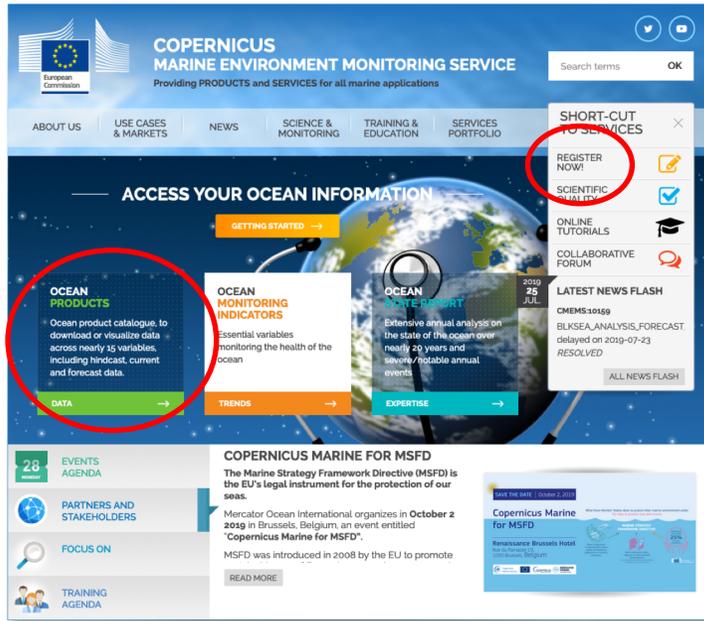
DATA ACCESS

Global Ocean- CORA- In-situ Observations Yearly Delivery in Delayed Mode

DATASET SELECTED

- CORIOLIS-GLOBAL-CORA05.0-OBS
- CORIOLIS-GLOBAL-CORA05.1-OBS
- CORIOLIS-GLOBAL-CORA05.2-OBS
- CORIOLIS-GLOBAL-EASYCORA05.2-OBS

<http://marine.copernicus.eu/>

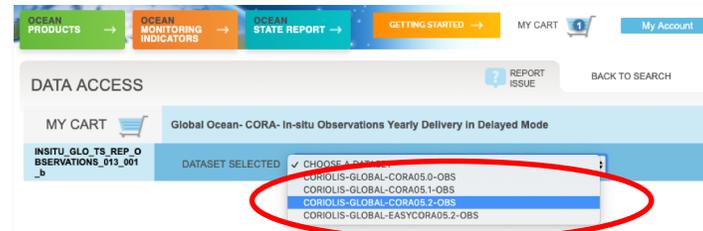
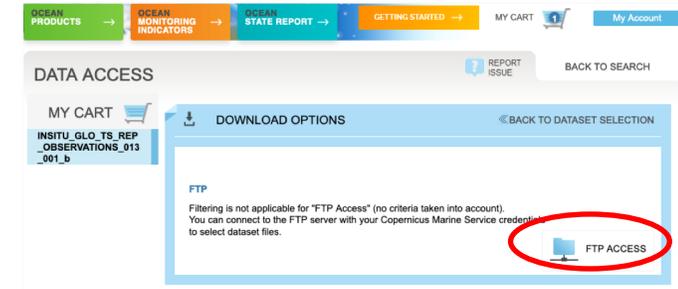
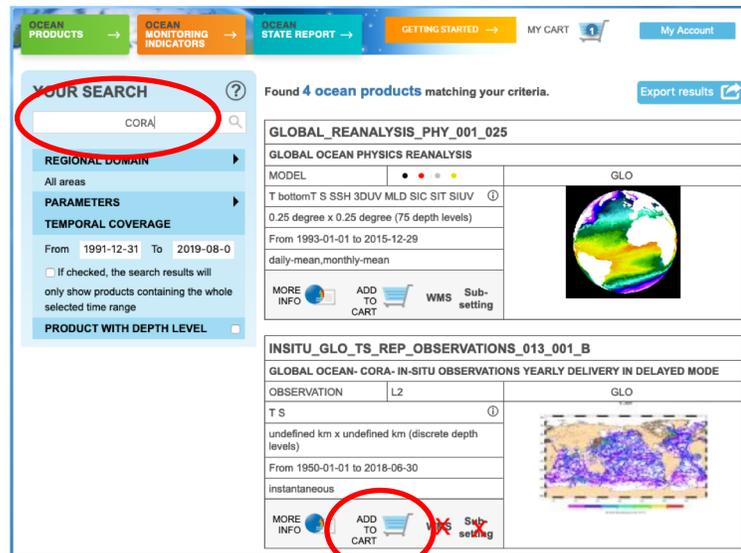


- Register
- choose Ocean catalog
- search CORA
- add to cart
- select version
- ftp
- download, gunzip, tar -x
- get large archive of profiles (messy)

Index of ftp://my.cmems-du.eu/Core/INSITU_GLO_TS_REP_OBSERVATIONS_013_001_b/CORIOLIS-GLOBAL-CORA05.2-OBS/RAW_data/global/

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File: CORA-5.2-global-1954.tgz	9986 KB	4/4/19	8:39:00 AM EDT
File: CORA-5.2-global-1955.tgz	8426 KB	4/4/19	8:34:00 AM EDT
File: CORA-5.2-global-1956.tgz	9585 KB	4/4/19	8:14:00 AM EDT
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File: CORA-5.2-global-1958.tgz	12781 KB	4/4/19	8:07:00 AM EDT



<http://marine.copernicus.eu/>

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Ocean product catalogue, to download or visualize data across nearly 55 variables, including hindcast, current and forecast data.

OCEAN MONITORING INDICATORS
Essential variables monitoring the health of the ocean.

EVENTS AGENDA
PARTNERS AND STAKEHOLDERS
FOCUS ON
TRAINING AGENDA

ERDDAP > tabledap > Make A Graph

Dataset Title: **CMEMS CORA In-Situ Observations**

Institution: Rutgers University (Dataset ID: CMEMS_CORA_DATA)

Range: longitude = -77.236 to -59.728°E, latitude = 32.359 to 46.5683°N, depth = -5044.0 to 0.0, time = 2014-01-01T00:04:00Z to 2016-12-31T22:03:00Z

Information: [Summary](#) | [License](#) | [FGDC](#) | [ISO 19115](#) | [Metadata](#) | [Background](#) | [Subset](#) | [Data Access Form](#)

Graph Type:

X Axis:

Y Axis:

Color:

Click on the map to specify a new center point.

Zoom:

Time range:

Constraints

Optional Constraint #1

Optional Constraint #2

time	<input <="" td="" type="text" value=">="/> <td><input type="text" value="2016-06-25T00:00:00"/></td> <td><input <="" td="" type="text" value="<="/><td><input type="text" value="2017-01-01T00:00:00"/></td></td>	<input type="text" value="2016-06-25T00:00:00"/>	<input <="" td="" type="text" value="<="/> <td><input type="text" value="2017-01-01T00:00:00"/></td>	<input type="text" value="2017-01-01T00:00:00"/>
type	<input <="" td="" type="text" value="="/> <td><input type="text" value="6"/></td> <td><input <="" td="" type="text" value="<="/><td><input type="text" value=""/></td></td>	<input type="text" value="6"/>	<input <="" td="" type="text" value="<="/> <td><input type="text" value=""/></td>	<input type="text" value=""/>
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Server-side Functions

distinct()

(" ")

Graph Settings

Marker Type: Size:

Color:

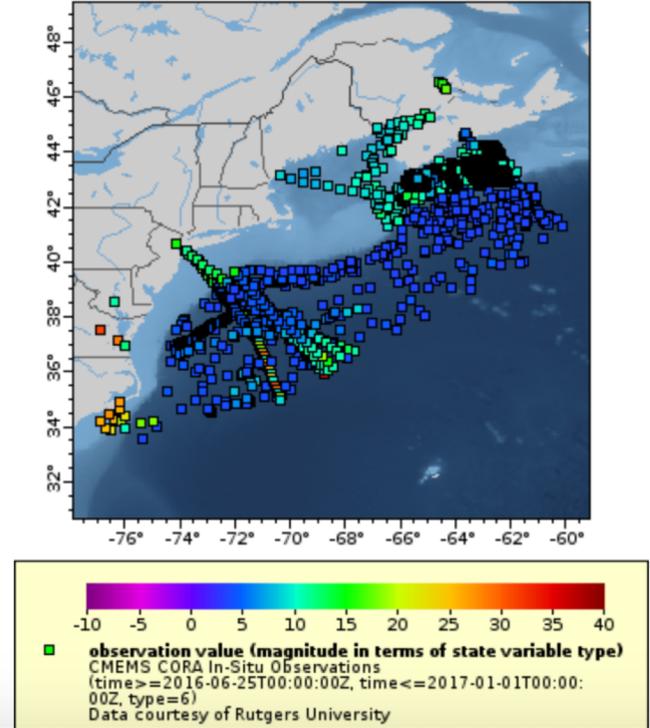
Color Bar: Continuity: Scale:

Min: Max: N Sections:

Draw the land mask:

Y Axis Minimum: Maximum:

Redraw the Graph (Please be patient. It may take a while to get the data.)



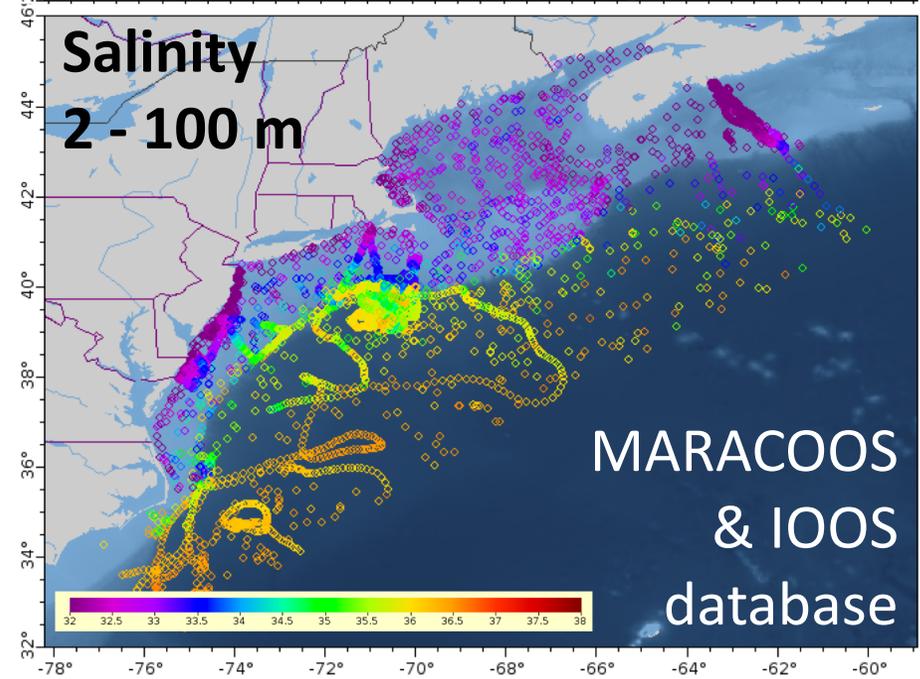
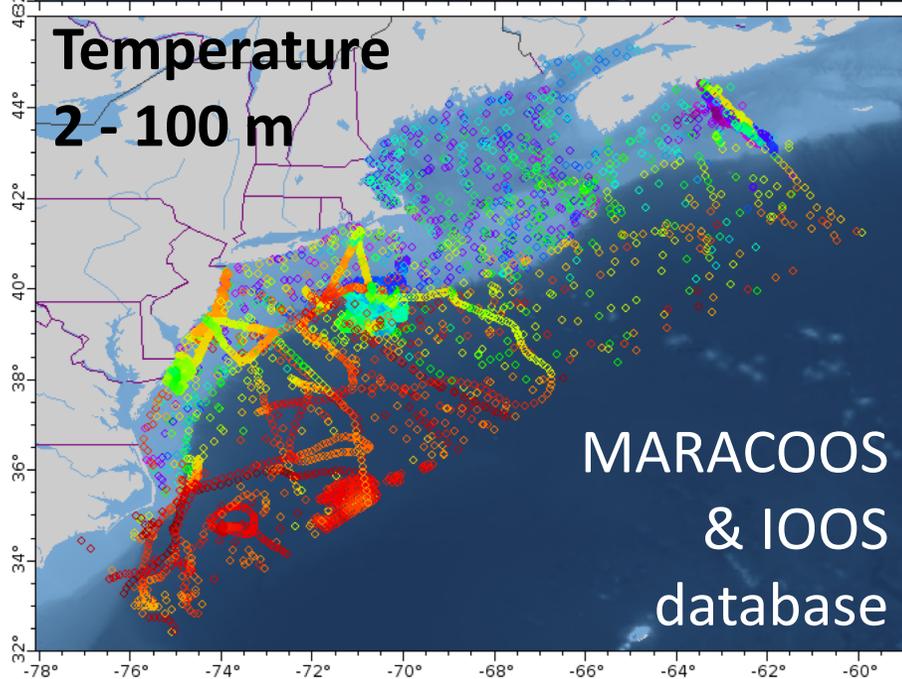
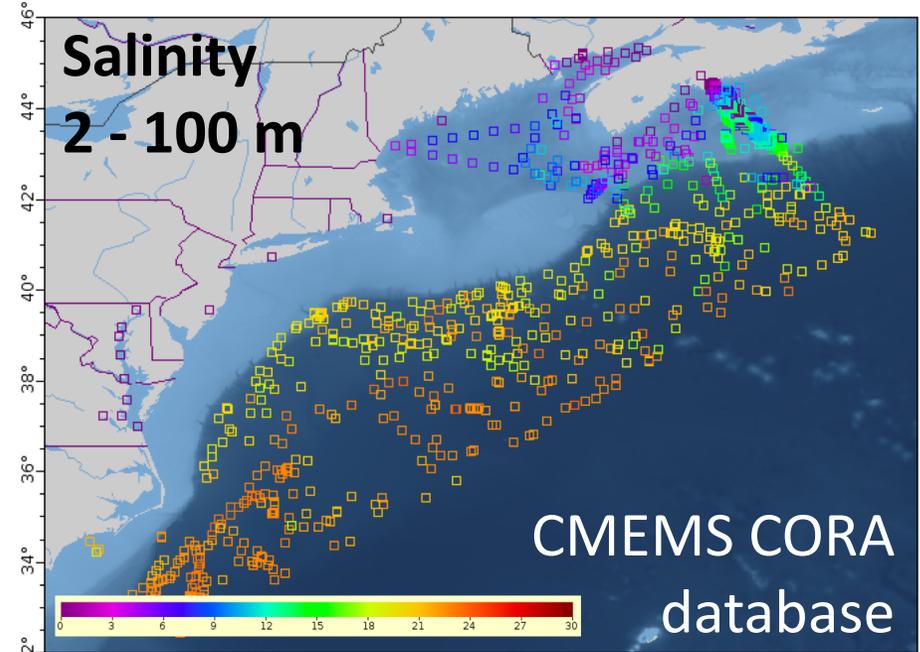
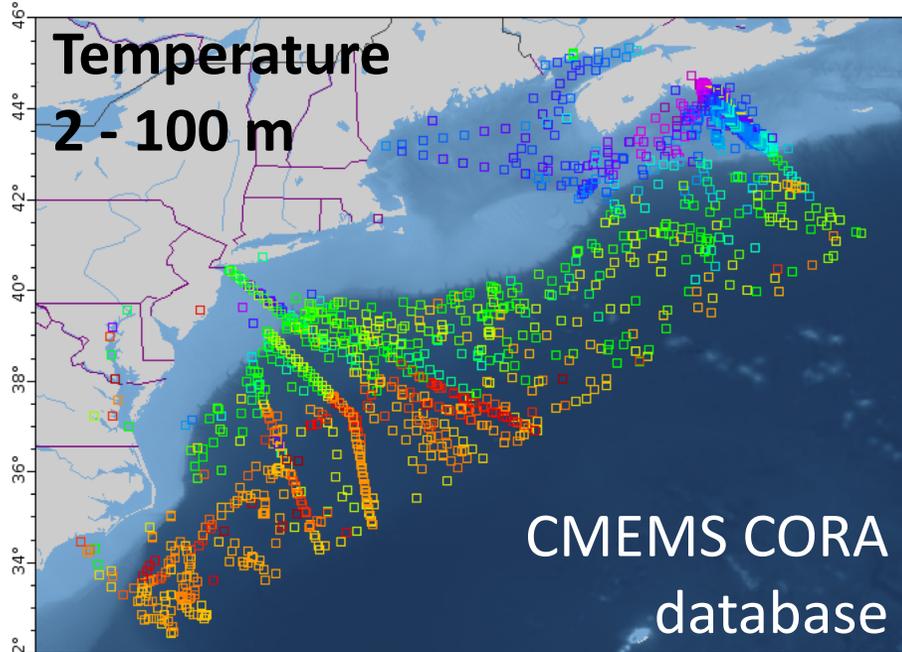
Size	Last Modified	
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Radar Altimeter Data Acquisition from RADS



The RADS web interface has just been moved to a new server on March 18, 2010. Everything should work as before, but if you experience any problems, do not hesitate to [e-mail the webmaster](#).

Notification of results E-mail address: jwilkin@rutgers.edu	Options Altimeter: Cryosat-2 Advanced options: Sea level construction options: <input type="radio"/> RADS defaults <input checked="" type="radio"/> User-defined options Data selection criteria: <input type="radio"/> No data editing <input type="radio"/> RADS defaults <input checked="" type="radio"/> User-defined editing
<input type="button" value="Next"/>	

Important note: Multiple cycles and passes can now be requested simultaneously, and the data processing stops after completing the cycle in which 10 million records have been produced. When requesting large amounts of data at a time, check the log file to see whether this is the case.

Please do not submit too many RADS requests at the same time. This could cause our server to become overloaded which makes this service temporarily inaccessible to other users.

[Data](#) | [Status](#) | [Literature](#) | [Results](#) | [Software](#) | [Experts](#) | [RADS Home](#) | [DEOS Home](#)

This page is maintained by
[Eelco Doornbos, e.n.doornbos@tudelft.nl](mailto:e.n.doornbos@tudelft.nl)





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Notification of results

E-mail address:
jwilkin@rutgers.edu

Options

Altimeter:
Cryosat-2

Advanced options:

Sea level construction options:

RADS defaults
 User-defined options

Data selection criteria:

No data editing
 RADS defaults
 User-defined editing

Next

- Altimeter:**
- ✓ Cryosat-2
 - ERS-1 phase A
 - ERS-1 phase B
 - ERS-1 phase C
 - ERS-1 phase D
 - ERS-1 phase E
 - ERS-1 phase F
 - ERS-1 phase G
 - ERS-2
 - Envisat phase B
 - Envisat phase C
 - Geosat phase A
 - Geosat phase B
 - Geosat Follow-On
 - Jason-1 phase A
 - Jason-1 phase B
 - Jason-1 phase C
 - Jason-2 phase A**
 - Jason-2 phase B
 - Jason-3
 - Saral phase A
 - Saral phase B
 - Sentinel-3
 - TOPEX phase A
 - TOPEX non-repeat
 - TOPEX phase B
 - Poseidon phase A

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Altimeter:
Cryosat-2

Advanced options:

Sea level construction options:

RADS defaults
 User-defined options

Data selection criteria:

No data editing
 RADS defaults
 User-defined editing

Next

- Altimeter:**
- Cryosat-2
 - ERS-1 phase A
 - ERS-1 phase B
 - ERS-1 phase C
 - ERS-1 phase D
 - ERS-1 phase E
 - ERS-1 phase F
 - ERS-1 phase G
 - ERS-2
 - Envisat phase B
 - Envisat phase C
 - Geosat phase A
 - Geosat phase B
 - Geosat Follow-On
 - Jason-1 phase A
 - Jason-1 phase B
 - Jason-1 phase C
 - Jason-2 phase A**
 - Jason-2 phase B
 - Jason-3
 - Saral phase A
 - Saral phase B
 - Sentinel-3
 - TOPEX phase A
 - TOPEX non-repeat
 - TOPEX phase B
 - Poseidon phase A

Data selection

Output data:

- Time
- Latitude
- Longitude

- sea level anomaly
- Ku-band significant wave height
- WaveWatch3 significant wave height
- Ku-band backscatter coefficient
- Ku-band automatic gain control
- altimeter wind speed

- norm std dev of range
- std dev of Ku-band range
- norm std dev of significant wave height
- std dev of Ku-band significant wave height
- norm std dev of backscatter coefficient
- std dev of Ku-band backscatter coefficient

- ECMWF dry tropospheric correction
- NCEP dry tropospheric correction
- ERA dry tropospheric correction
- ECMWF wet tropospheric correction
- NCEP wet tropospheric correction
- ERA wet tropospheric correction
- Bent ionospheric correction
- JPL GIM ionospheric correction
- IRI2007 ionospheric correction
- NIC09 ionospheric correction
- local inverse barometer correction
- static inverse barometer correction
- MOG2D dynamic atmospheric correction
- local mean MOG2D dynamic atmospheric correction
- correction
- MOG2D dynamic atmospheric correction (ERA Interim forcing)
- flag word

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IOOS Data Assembly Centers

High Frequency Radar DAC



The HF Radar network delivers surface current data from U.S. waters to data servers nationwide and supports critical weather and marine forecasting operations at NOAA's CO-OPS Tides & Currents and Weather Forecasting Offices throughout the country. The [HF Radar DAC](#) offers access to near-real time data as hourly or 25 hour averaged surface currents on an interactive map. Scientists can also gain access to historical and near-real time data as netCDF files on-demand via [National THREDDS](#). Depending on the frequency range of the coastal stations, data is collected at a resolution ranging from 500m to 6 km.

IOOS Underwater Glider DAC



The mission of the [Glider DAC](#) is to provide glider operators with a simple process for submitting glider data sets to a centralized location, enabling the data to be visualized, analyzed, widely distributed via existing web services and the Global Telecommunications System (GTS) and archived at the National Centers for Environmental Information (NCEI).

Animal Telemetry Network DAC



The [ATN DAC](#) is a centralized data assembly center to enable seamless data ingestion, storage, access and redistribution of U.S. national animal telemetry data and products. Once fully developed, the DAC will provide operational national capacity for secure and sustainable data management and display of marine animal telemetry data, as well as a data portal serving the public via U.S. IOOS standard services such as NOAA's Environmental Research Division's Data Access Program (ERDDAP), Sensor Observation Service (SOS), or Web Map Services through OPeNDAP protocol. This DAC is designed to address the needs of Federal, State, and local marine scientists, coastal resource managers but the general public is welcome to explore the interactive features of this site.

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Catalog <http://hfrnet-tds.ucsd.edu/thredd>

Dataset

HF RADAR RTVs

[HF RADAR, US West Coast/](#)

[HF RADAR, US East and Gulf Coast/](#)

[HF RADAR, US Hawai'i State/](#)

[HF RADAR, Alaska, North Slope/](#)

[HF RADAR, Puerto Rico and the US Virgin Islands/](#)

HF RADAR RTVs (GNOME Format)

[HF RADAR, Alaska, North Slope \(GNOME Format\)/](#)

[HF RADAR, US West Coast \(GNOME Format\)/](#)

[HF RADAR, US East and Gulf Coast \(GNOME Format\)/](#)

[HF RADAR, US Hawai'i State \(GNOME Format\)/](#)

[HF RADAR, Puerto Rico and the US Virgin Islands \(GNOME Format\)/](#)



[HFRnet: HF Radar National Network Production TDS](#)

[THREDDS Data Server](#)

Catalog <http://hfrnet-tds.ucsd.edu/thredds/catalog/HFR/USEGC/6km/hourly/RTV/catalog.html>

Dataset: **HFRADAR US East and Gulf Coast 6km Resolution Hourly RTV/Best Time Series**

- *Data format:* netCDF
- *Data type:* GRID
- *ID:* HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km_Resolution_Hourly_RTV_best.ncd

Documentation:

- **summary:** Best time series, taking the data from the most recent run available.
- **Summary:** HFRADAR US East and Gulf Coast 6km Resolution Hourly Combined Total Vectors (RTV)
- **Rights:** This is a research project and may contain errors. Please contact the providers of this data to ensure accurate values before making any critical decisions.
- [HFRNet Documentation](#)
- [View FGDC metadata for HFRADAR site installations](#)

Access:

1. **OPENDAP:** [/thredds/dodsC/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km_Resolution_Hourly_RTV_best.ncd](#)
2. **NetcdfSubset:** [/thredds/netcdf/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km_Resolution_Hourly_RTV_best.ncd](#)
3. **WCS:** [/thredds/wcs/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km_Resolution_Hourly_RTV_best.ncd](#)
4. **WMS:** [/thredds/wms/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km_Resolution_Hourly_RTV_best.ncd](#)
5. **ISO:** [/thredds/iso/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km_Resolution_Hourly_RTV_best.ncd](#)
6. **NCML:** [/thredds/ncml/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km_Resolution_Hourly_RTV_best.ncd](#)
7. **UDDC:** [/thredds/udc/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km_Resolution_Hourly_RTV_best.ncd](#)

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IOOS Data Assembly Centers

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Catalog <http://hfrnet-tds.ucsd.edu/thredd>

Dataset

- HF RADAR RTVs
- [HF RADAR, US West Coast/](#)
- [HF RADAR, US East and Gulf Coast/](#)
- [HF RADAR, US Hawai'i State/](#)
- [HF RADAR, Alaska, North Slope/](#)
- [HF RADAR, Puerto Rico and the US Virgin Islands/](#)
- HF RADAR RTVs (GNOME Format)
- [HF RADAR, Alaska, North Slope \(GNOME Format\)/](#)
- [HF RADAR, US West Coast \(GNOME Format\)/](#)
- [HF RADAR, US East and Gulf Coast \(GNOME Format\)/](#)
- [HF RADAR, US Hawai'i State \(GNOME Format\)/](#)
- [HF RADAR, Puerto Rico and the US Virgin Islands \(GNOME Format\)/](#)



HFRnet: HF Radar National Network Production TDS

THREDDS Data Server

Catalog <http://hfrnet-tds.ucsd.edu/thredds/catalog/HFR/USEGC/6km/hourly/RTV/catalog.html>

Dataset: HFRADAR US East and Gulf Coast 6km Resol

- Data format: netCDF
- Data type: GRID
- ID: HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km

Documentation:

- **summary:** Best time series, taking the data from the most recent run available.
- **Summary:** HFRADAR US East and Gulf Coast 6km Resolution Hourly Combined
- **Rights:** This is a research project and may contain errors. Please contact the provider
- [HFRNet Documentation](#)
- [View FGDC metadata for HFRADAR site installations](#)

Access:

1. **OPENDAP:** [/thredds/dodsC/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km/](#)
2. **NetcdfSubset:** [/thredds/netcdf/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km/](#)
3. **WCS:** [/thredds/wcs/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km/](#)
4. **WMS:** [/thredds/wms/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km/](#)
5. **ISO:** [/thredds/iso/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km/](#)
6. **NCML:** [/thredds/ncml/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km/](#)
7. **UDDC:** [/thredds/uddc/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km/](#)

Catalog <http://gliderdac.org>

Dataset

- [deployments](#)
- [zerickson/](#)
- [umainegliders/](#)
- [secoora/](#)
- [rutgers/](#)
- [rmiller/](#)
- [pmckinney/](#)
- [nanoos-uw/](#)
- [mkhoward/](#)
- [mbari/](#)
- [lfiorentino/](#)
- [lcampbell/](#)
- [gcoos_dmac/](#)
- [drudnick/](#)
- [corie/](#)
- [cigl/](#)
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- [aoml/](#)
- [UMDLLO/](#)
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Data Visualization & Access

Documentation

Glider Metrics

Infographic depicting the number of glider datas per regional association from 2008 to 2014

ERDDAP Catalog

The ERDDAP Catalog provides direct access to all GliderDAC datasets and allows users to make maps and graphs.

THREDDS Catalog

The THREDDS Data Server (TDS) is a web server that provides metadata and data access to all GliderDAC datasets, using a variety of remote data access protocols.

NCEI Glider Archive Data

NCEI archives data and metadata independently of the original data providers so that it is available for use by future users.

Access IOOS Data

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- Data Assembly Centers
- Resources

IOOS Data Assembly Centers

High Frequency Radar DAC



The HF Radar network delivers surface current data from U.S. waters to data servers nationwide and supports critical weather and marine forecasting operations at NOAA's CO-OPS Tides & Currents and Weather Forecasting Offices throughout the country. The **HF Radar DAC** offers access to near-real time data as hourly or 25 hour averaged surface currents on an interactive map. Scientists can also gain access to historical and near-real time data as netCDF files on-demand via **National THREDDS**. Depending on the frequency range of the coastal stations, data is collected at a resolution ranging from 500m to 6 km.

IOOS Underwater Glider DAC

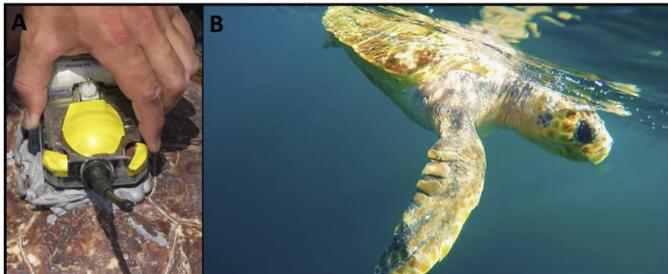


The mission of the **Glider DAC** is to provide glider operators with a simple process for submitting glider data sets to a centralized location, enabling the data to be visualized, analyzed, widely distributed via existing web services and the Global Telecommunications System (GTS) and archived at the National Centers for Environmental Information (NCEI).

Animal Telemetry Network DAC



The **ATN DAC** is a centralized data assembly center to enable seamless data ingestion, storage, access and redistribution of U.S. national animal telemetry data and products. Once fully developed, the DAC will provide operational national capacity for secure and sustainable data management and display of marine animal telemetry data, as well as a data portal serving the public via U.S. IOOS standard services such as NOAA's Environmental Research Division's Data Access Program (ERDDAP). Sensor Observation Service to address the needs of the general public is welcome to



Catalog <http://hfrnet-tds.ucsd.edu/thredd>

Dataset

- HF RADAR RTVs
- [HF RADAR, US West Coast/](#)
- [HF RADAR, US East and Gulf Coast/](#)
- [HF RADAR, US Hawai'i State/](#)
- [HF RADAR, Alaska, North Slope/](#)
- [HF RADAR, Puerto Rico and the US Virgin Islands/](#)
- HF RADAR RTVs (GNOME Format)
- [HF RADAR, Alaska, North Slope \(GNOME Format\)/](#)
- [HF RADAR, US West Coast \(GNOME Format\)/](#)
- [HF RADAR, US East and Gulf Coast \(GNOME Format\)/](#)
- [HF RADAR, US Hawai'i State \(GNOME Format\)/](#)
- [HF RADAR, Puerto Rico and the US Virgin Islands \(GNOME Format\)/](#)



HFRnet: HF Radar National Network Production TDS

THREDDS Data Server

Catalog <http://hfrnet-tds.ucsd.edu/thredds/catalog/HFR/USEGC/6km/hourly/RTV/catalog.html>

Dataset: HFRADAR US East and Gulf Coast 6km Resol

- Data format: netCDF
- Data type: GRID
- ID: HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km

Documentation:

- summary: Best time series, taking the data from the most recent run available.
- Summary: HFRADAR US East and Gulf Coast 6km Resolution Hourly Combined
- Rights: This is a research project and may contain errors. Please contact the provider
- HFRNet Documentation
- View FGDC metadata for HFRADAR site installations

Access:

- OPENDAP: [/thredds/dodsC/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km.nc](#)
- NetcdfSubset: [/thredds/netcdf/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km.nc](#)
- WCS: [/thredds/wcs/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km.nc](#)
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- ISO: [/thredds/iso/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km.nc](#)
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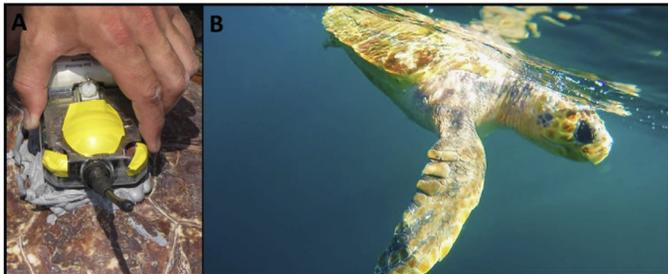


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Catalog <http://hfrnet-tds.ucsd.edu/thredd>



HFRnet: HF Radar National Network Production TDS

THREDDS Data Server

Catalog <http://hfrnet-tds.ucsd.edu/thredds/catalog/HFR/USEGC/6km/hourly/RTV/catalog.html>



R US East and Gulf Coast 6km Resol

hourly/RTV/HFRADAR_US_East_and_Gulf_Coast_6km

ies, taking the data from the most recent run available. US East and Gulf Coast 6km Resolution Hourly Combined project and may contain errors. Please contact the provid for HFRADAR site installations

[dsC/HFR/USEGC/6km/hourly/RTV/HFRADAR_US_Eas](#)
[ncss/grid/HFR/USEGC/6km/hourly/RTV/HFRADAR_US](#)
[/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gi](#)
[R/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_C](#)
[/USEGC/6km/hourly/RTV/HFRADAR_US_East_and_Gulf](#)
[FR/USEGC/6km/hourly/RTV/HFRADAR_US_East_and](#)
[ER/USEGC/6km/hourly/RTV/HFRADAR_US_East_and](#)

Catalog <http://glic>

Dataset

- deployments
- zerickson/
- umainegliders/
- secoora/
- rutgers/
- rmiller/
- pmckinney/
- nanoos-uw/
- mkhoward/
- mbari/
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- lcampbell/
- gcoos_dmac/
- drudnick/
- corie/
- cigl/
- bios/
- aos/
- aoml/
- UMDLLO/
- OOI-CE/

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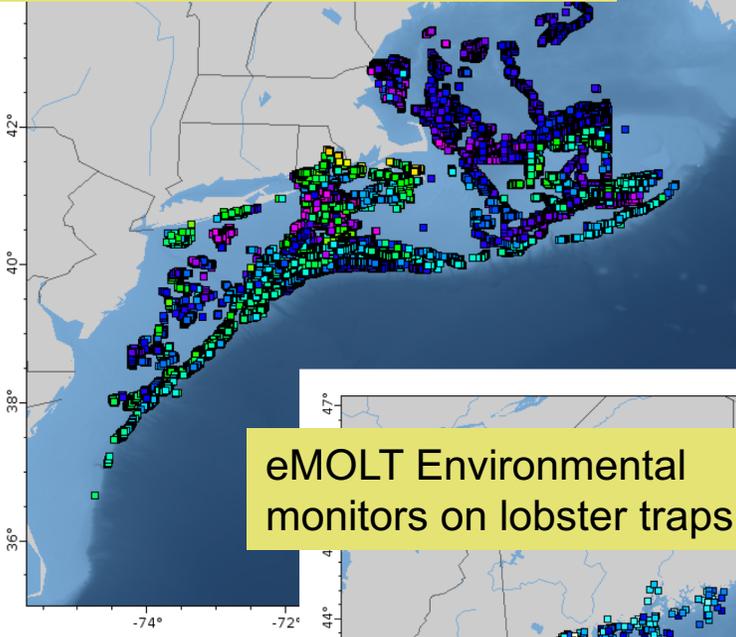
Glider Archive Data

l archives data and metadata pendently of the original data ders so that it is available for use ture users.

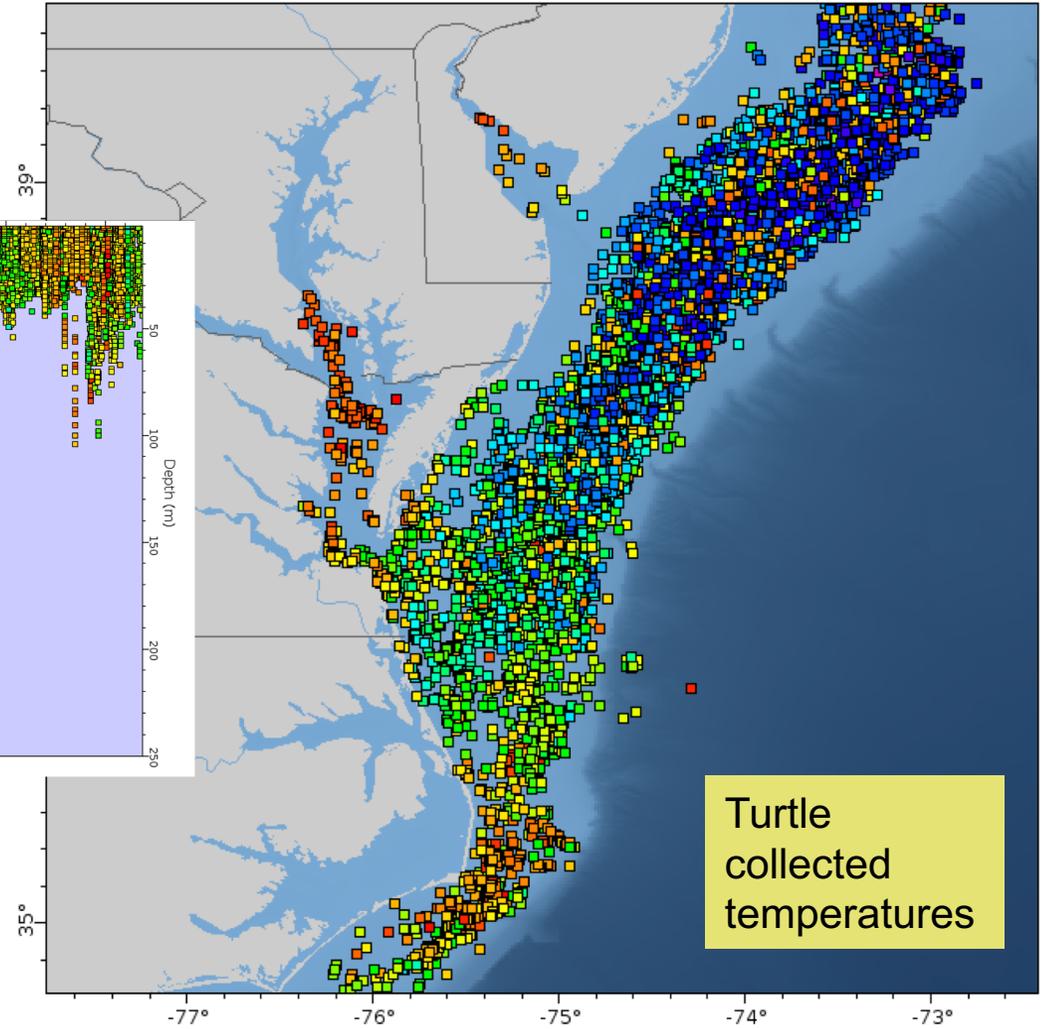
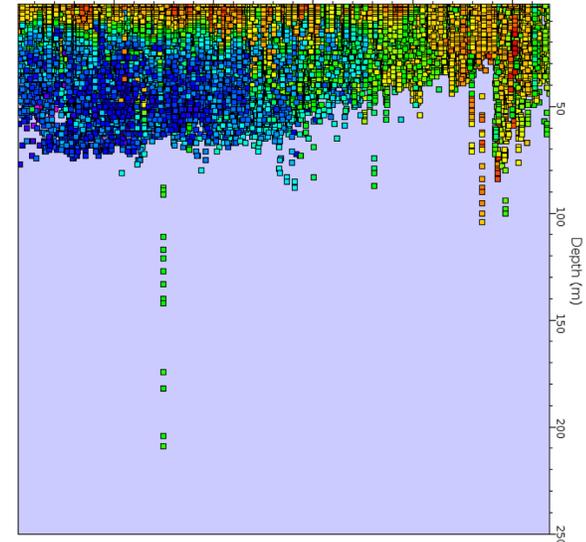
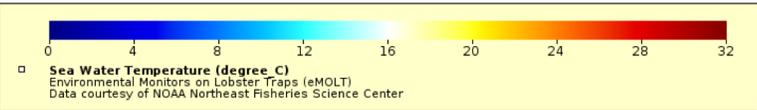
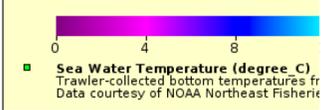
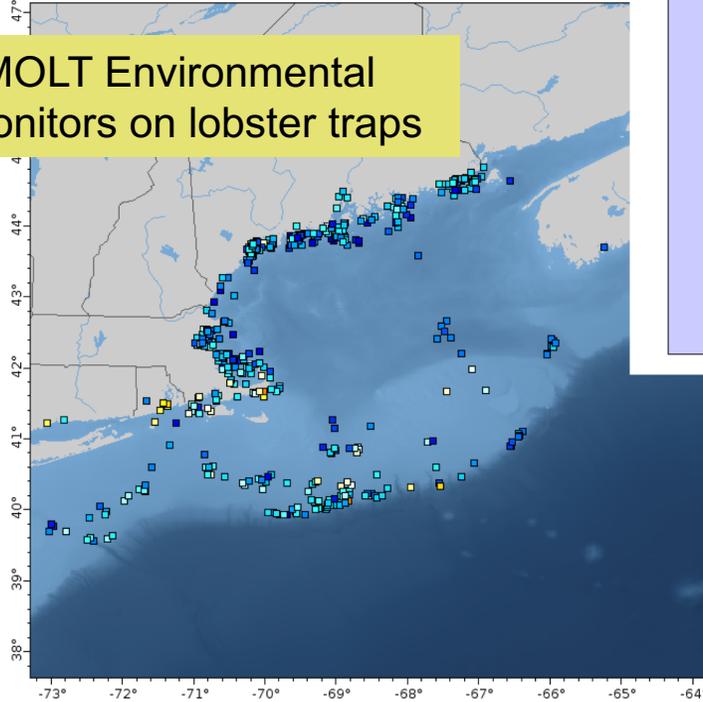


Subsurface in situ ocean observations - delayed

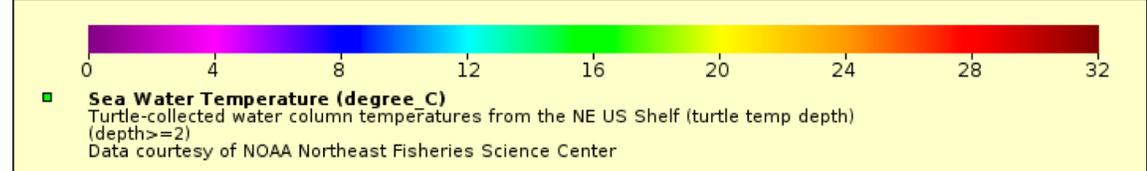
Trawler collected bottom temperature Shelf Study Fleet



eMOLT Environmental monitors on lobster traps



Turtle collected temperatures



New real-time data stream for Doppio analysis/forecast – subsurface temperature observations from trawler fleet

