



Latest Data Services at PO.DAAC

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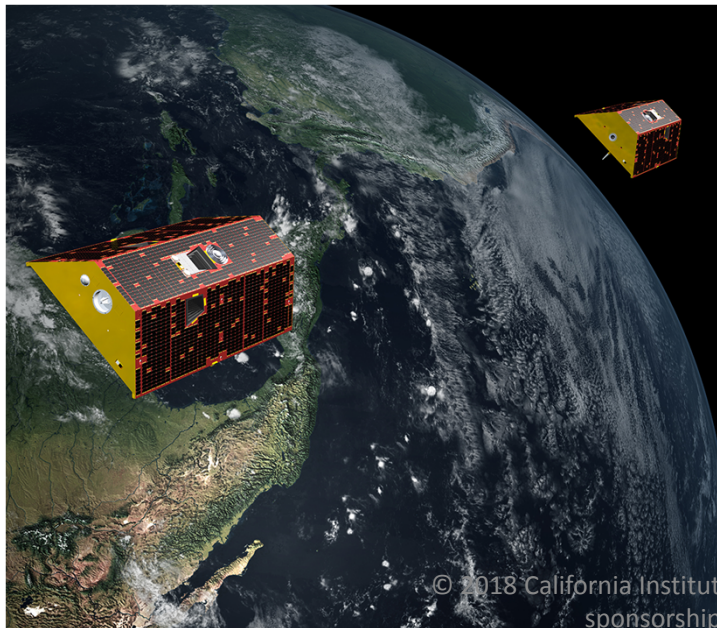
Jet Propulsion Laboratory/California Institute of Technology

Outline

- Datasets
 - GRACE-FO
 - Altimetric MEaSUREs datasets
 - Pre-SWOT hydrology
- State Of The Ocean (SOTO)
- FTP shut down
 - Drive/HTTPS replacement

GRACE-FO

- GRACE-FO launched May 22, 2018
- Follow on for GRACE
- Data will be available late this year/early next year



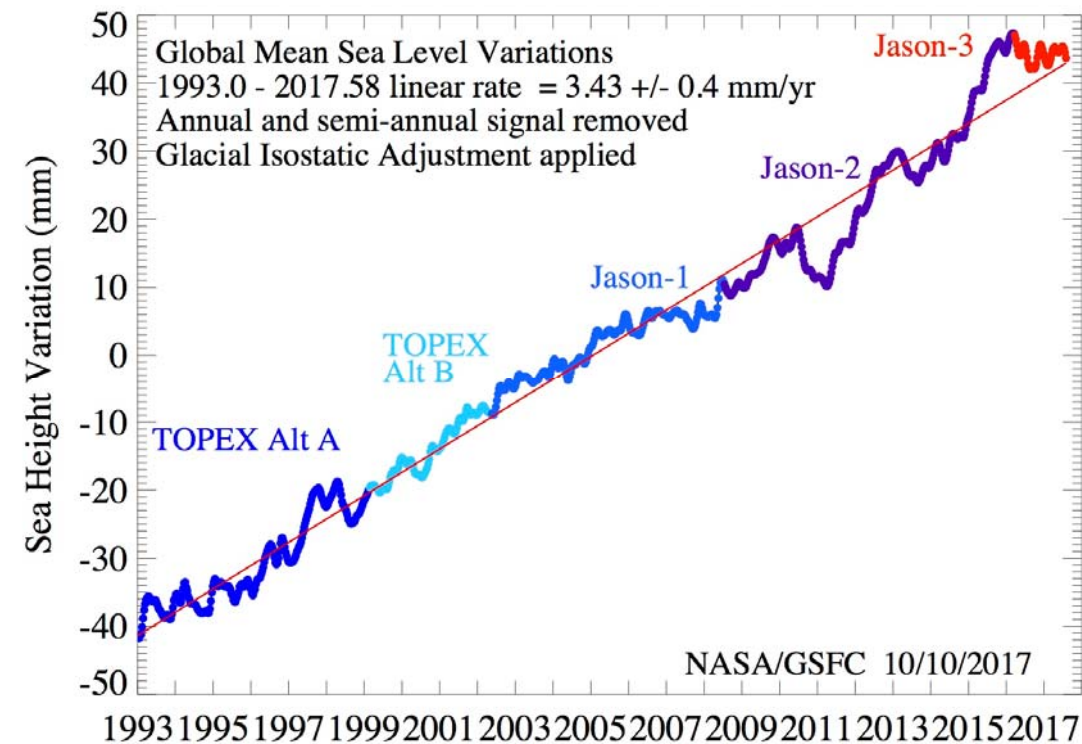
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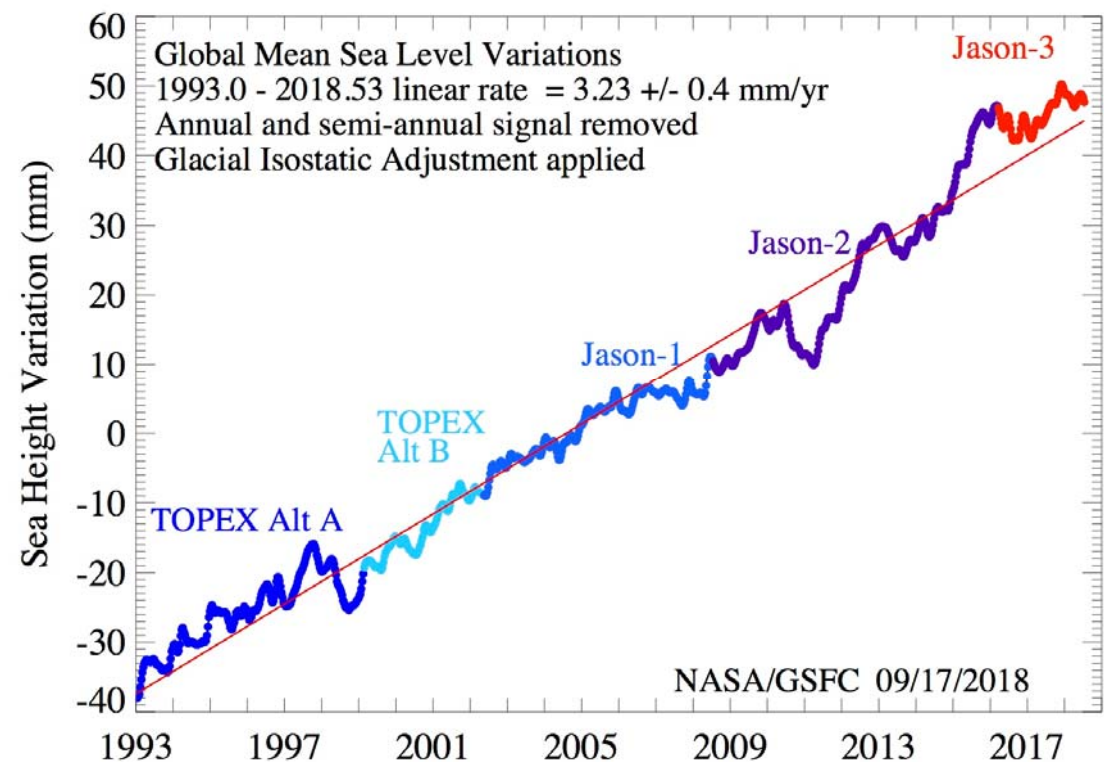
Altimetric MEaSUREs datasets

- L2 Integrated Multi-Mission Altimetry V4.2
 - Does not include TOPEX intercalibration-mode range

Version 4.0

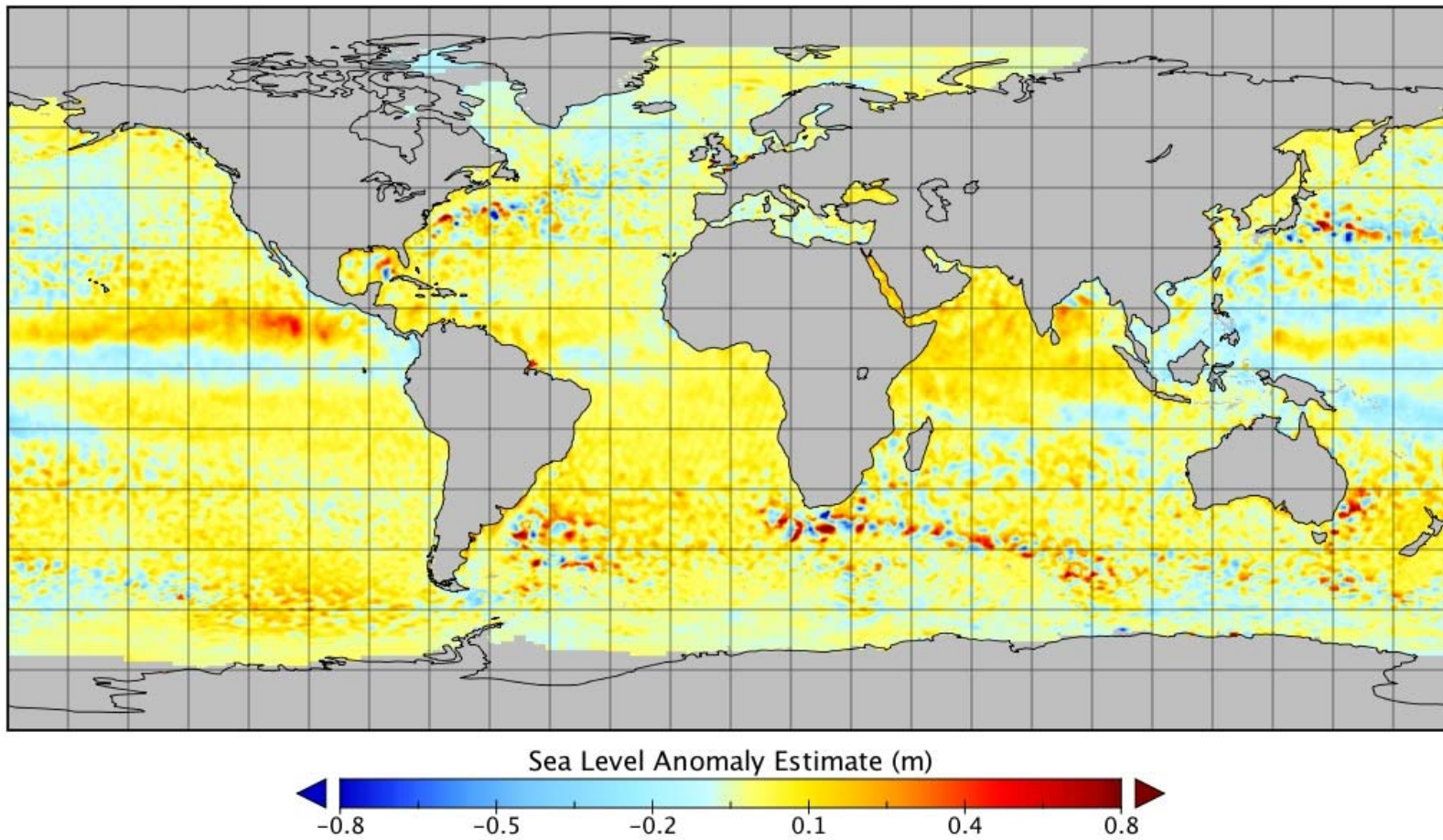


Version 4.2



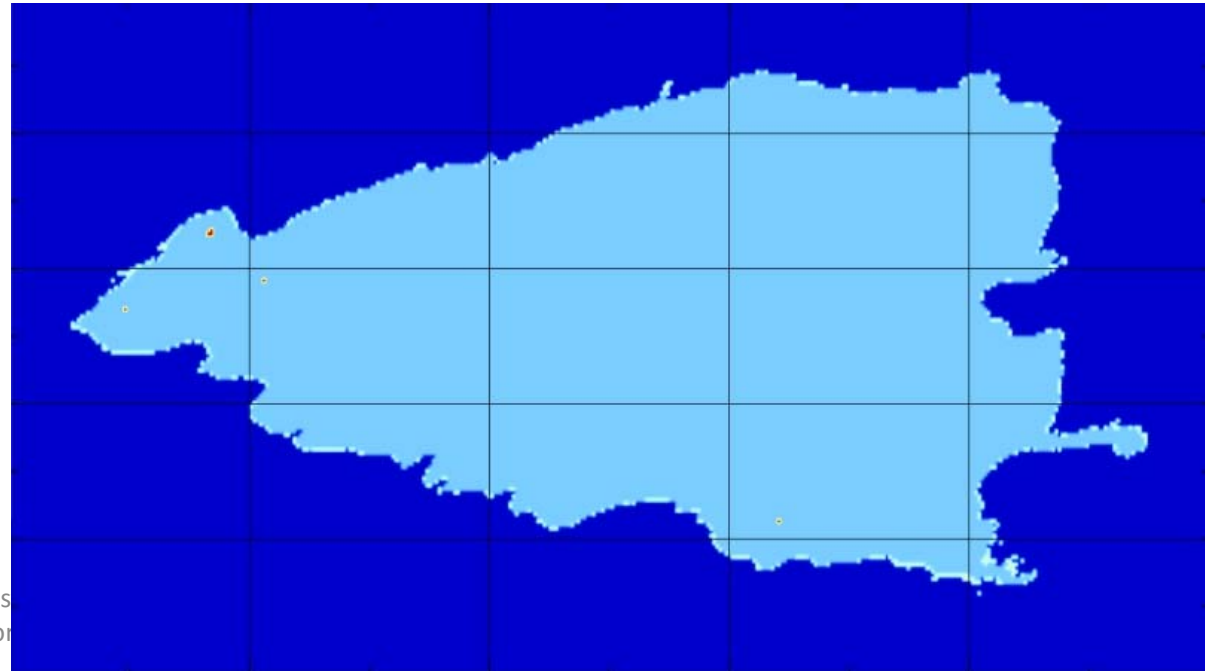
- MEaSUREs Gridded SSHA V1609

Sea Level Anomaly Estimate



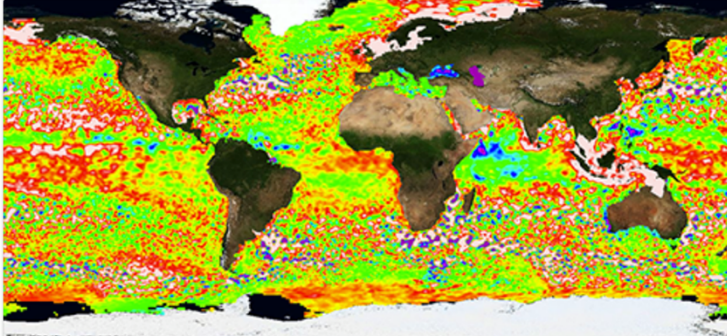
Pre-SWOT Hydrology

- There are currently 3 products
 - GRAATS river heights
 - Lake heights
 - Lake area
- Lake products V2 will be available at the end of the year.



SOTO (State Of The Ocean)

Available Datasets

SEARCH	MATCHING DATASETS	DATASET INFORMATION
All 19	<div> <input checked="" type="checkbox"/> <div> Sea Surface Height Anomaly (L3, 19km, 5-Day) MEaSURES/JPL </div> <div> <i>(i)</i> </div> </div>	 <div> <h4>Sea Surface Height Anomaly (L3, 19km, 5-Day)</h4> <p>MEaSURES/JPL</p> <p>Gridded Sea Surface Height Anomalies (SSHA) above a 20-year mean sea surface (1993-2012), on a 1/6th degree grid every 5 days. The gridded data are derived from the SSHA data of TOPEX/Poseidon, Jason-1, Jason-2 and Jason-3, ERS-1, ERS-2, Envisat, SARAL-AltiKa, and CryoSat-2, depending on the date. There can be a lag, up to 2 weeks, before the latest data are displayed due to the availability of data and processing time.</p> <h4>Rationale</h4> </div>
Ocean Color 1		
Ocean Surface Current 2		
Ocean Surface Wind 4		
Sea Ice 1		
Sea Surface Height 1		
Sea Surface Salinity 1		
Sea Surface Temperature 4		
Soil Moisture 2		
Surface Precipitation 2		
True Color 1		

Drive/HTTPS

<https://podaac-tools.jpl.nasa.gov/drive>

Poster ODS_006

- FTP will be deprecated June 2019
- It will be replaced by HTTPS via Drive
 - Directory listing similar to FTP
 - Uses WebDAV API so can “mount” data like a local drive
 - Can use wget, curl or aria2
- Requires EarthData login
 - Same login used across EOSDIS and all DAACs
 - Will be able to inform users of issues with datasets they use
 - Capture better usage metrics













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PO.DAAC Drive

[Back to WebDAV Credentials](#)

Current Location:

files /

Name	Last Modified	Size
 allData	2018-04-09 22:32:54	-
 common	2017-12-12 15:41:21	-
 GeodeticsGravity	2017-06-15 13:37:55	-
 misc	2017-12-12 15:41:21	-
 OceanCirculation	2017-06-15 13:39:05	-
 OceanTemperature	2017-06-15 20:37:30	-
 OceanWinds	2017-06-19 22:01:57	-
 SalinityDensity	2017-06-15 13:46:53	-
 Sealce	2017-06-15 13:47:53	-
 SeaSurfaceTopography	2017-06-15 13:50:51	-
 README	2016-10-25 19:44:59	1.1 kB
 README.txt	2016-10-25 19:45:04	866 Bytes

PO.DAAC Drive

[Back to WebDAV Credentials](#)

PO.DAAC's WebDAV interface allows you to connect to PO.DAAC as if it were a local drive on your computer.

In order to connect with WebDAV, you'll need to use your URS username and the WebDAV password that's been assigned to you. Click the [WebDAV Credentials](#) button at the top of this screen to get your WebDAV password.

Connecting via OS X

PO.DAAC Drive supports Mac OS X 10.9 and higher.

From the Finder, click Go/Connect to Server, or press ⌘-K.

In the window that appears, enter the following under **Server Address**: <https://podaac-tools.jpl.nasa.gov/drive/files>

Click **Connect**.















- https://podaac.jpl.nasa.gov/drive_forum
https://podaac.jpl.nasa.gov/drive_recipes
- There will be webinars to help users switch over from FTP

PO.DAAC Drive

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NEWTOPIC*

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TOPICS	REPLIES	VIEWS	LAST POST
 PO.DAAC drive on UNIX machines by jwilkin » Fri Apr 21, 2017 7:09 am	4	1990	by pacomet  Wed Jun 06, 2018 11:54 pm
 PO.DAAC Drive: For users with existing Earthdata Login by podaac » Thu May 10, 2018 1:11 pm	0	384	by podaac  Thu May 10, 2018 1:11 pm
 Download the entire archive with a single request by podaac » Tue May 16, 2017 11:59 am	0	1140	by podaac  Tue May 16, 2017 11:59 am
 CLOSED - PO.DAAC Drive UAT Testing Feedback by podaac » Tue Feb 23, 2016 3:24 pm	1	5431	by mgangl  Wed Jan 18, 2017 12:59 pm
 Download Multiple Data Files from PODAAC Drive Using wget by yiboj » Thu Dec 01, 2016 10:30 am	1	963	by mgangl  Wed Jan 11, 2017 7:21 am
 PO.DAAC Drive Data Recipes by mgangl » Tue Dec 20, 2016 10:09 am	4	8757	by mgangl  Tue Mar 07, 2017 7:44 am
 Data Access Webinar: PO.DAAC Drive and HITIDE by mgierach09 » Tue Oct 04, 2016 12:20 am	0	894	by mgierach09  Tue Oct 04, 2016 12:20 am

Display topics from previous: Sort by

NEWTOPIC*

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Other ways to access data

- Can still access data via

- OPeNDAP
- THREDDS
- web services
- HiTIDE

Web Services

The following is the list of available PO.DAAC Web Services

Name	Description
<u>Dataset Metadata</u>	Dataset metadata service retrieves the metadata of a dataset on PO.DAAC's dataset catalog using the following parameters: datasetId, shortName, and format.
<u>Dataset Search</u>	Dataset Search service searches PO.DAAC's dataset catalog, over Level 2, Level 3, and Level 4 datasets, using the following parameters: datasetId, shortName, startTime, endTime, bbox, and others.
<u>Dataset Variables</u>	Provides list of dataset variables.
<u>Granule Metadata</u>	Granule metadata service retrieves the metadata of a granule on PO.DAAC's catalog using the following parameters: format and other optional parameters.
<u>Granule Search</u>	Search Granule does granule searching on PO.DAAC level 2 swath datasets (individual orbits of a satellite), and level 3 & 4 gridded datasets (time averaged to span the globe). The following parameters are supported: datasetId, startTime, endTime, bbox, and others.
<u>Granule Preview</u>	The PODAAC preview Image service retrieves pre-generated preview images for selected granules. This service uses a template provided by the Granule Search service and, therefore, Granule Preview must be preceded by Granule Search.
<u>Granule Subset</u>	Subset Granule service allows users to Submit subset jobs. Use of this service should be preceded by a Granule Search in order to identify and generate a list of granules to be subsetted.
<u>Subset Status</u>	Subset Granule Status service allows users to check the status of submitted subset job.

Examples

This example python script shows an entire subsetting workflow using the PO.DAAC Web Services, exercising several of the services: datasets are searched (Dataset Search); variables in the found datasets are identified (Dataset Variables); granules meeting search criteria are found (Granule Search); and the identified granules are subsetted (Granule Subset). Before running this script, email_address variable need to be changed to a valid email address to receive the result. Use the following command to run the script

```
python cws_example.py
```

Questions

- Web Portal
 - <https://podaac.jpl.nasa.gov>
- Forum
 - <https://podaac.jpl.nasa.gov/forum/>
- Drive
 - <https://podaac-tools.jpl.nasa.gov/drive>



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