

The logo is a circular emblem with a blue background. At the top, the text "Jet Propulsion Laboratory" is written in white, following the curve of the upper border. At the bottom, the text "Physical Oceanography Distributed Active Archive Center" is written in white, following the curve of the lower border. In the center, there is a white satellite in orbit, with a white arc representing its path. Below the satellite, the word "podaac" is written in a stylized font, with "po" in white and "daac" in blue. The background of the circle also features white and blue wavy lines representing ocean waves.

# The Latest and Greatest in Datasets and Services at PO.DAAC

Jessica Hausman

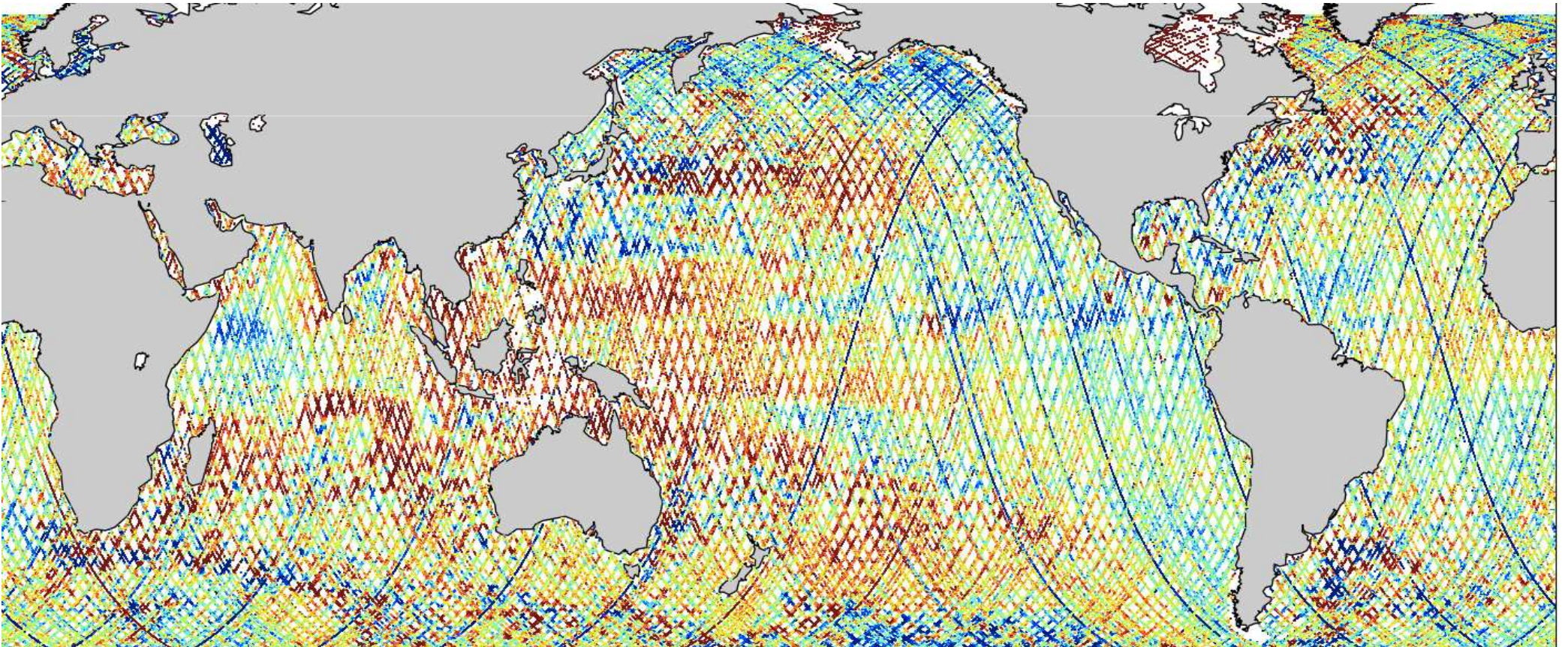
Michael Gangl

JPL/Caltech

- New and upcoming datasets
  - Jason-1 GDR-E
  - GPS orbit based NRT Jason-3 SSHA
  - Gridded Integrated Multi-Mission Ocean Altimeter SSHA
  - Pre-SWOT Hydrology
- Metadata Compliance Checker (MCC)
- HiTIDE
- User registration and https
- PO.DAAC Drive
- Forum
- YouTube

# Jason-1 GDR-E

- Complete reprocessing
- Same data format as OSTM/Jason-2
- GPN, GPR and GPS are available at PO.DAAC and AVISO

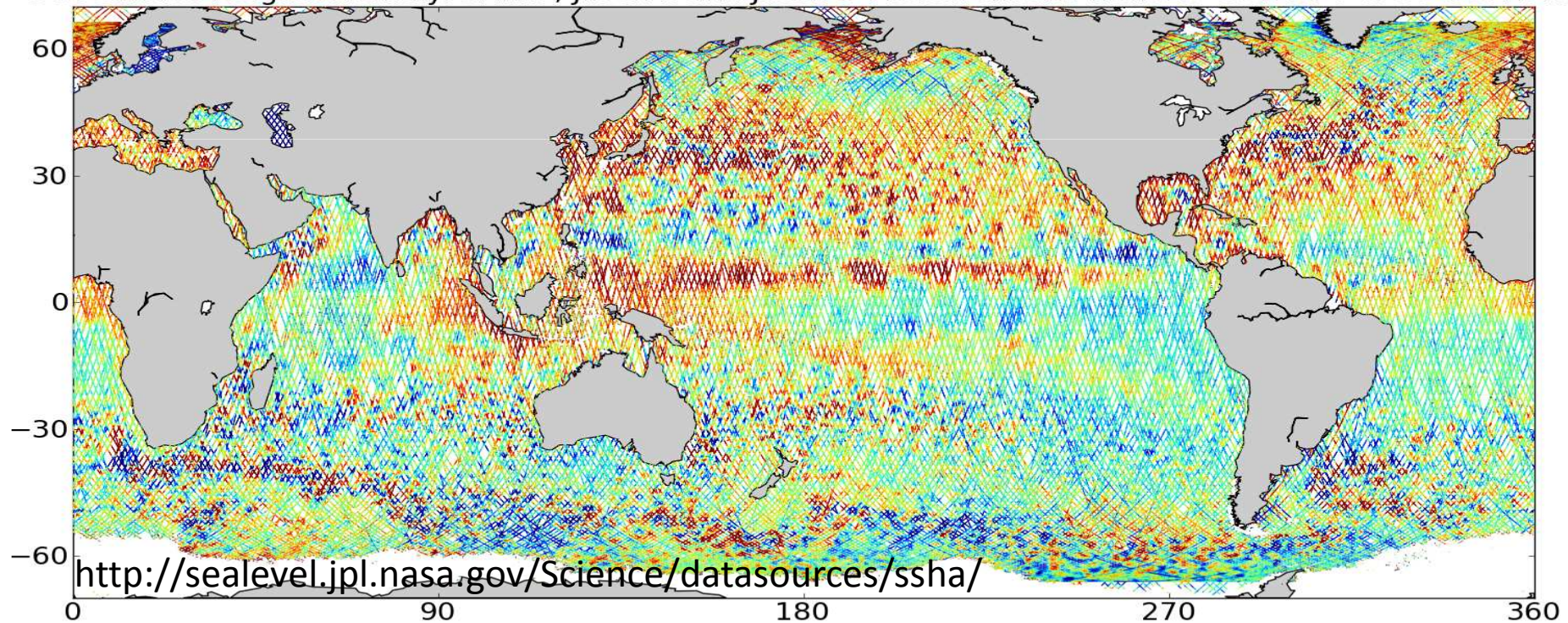




# GPS orbit based NRT Jason-3 SSHA

- Similarly processed as the Jason-2/OSTM GPS based orbit NRT SSHA
- Now have Jason-3, Jason-2 and AltiKa GPS based orbit SSHA

Sea Surface Height Anomaly: SARAL, Jason-2 and Jason-3 Measurements from 20-Oct-2016 to 30-Oct-2016



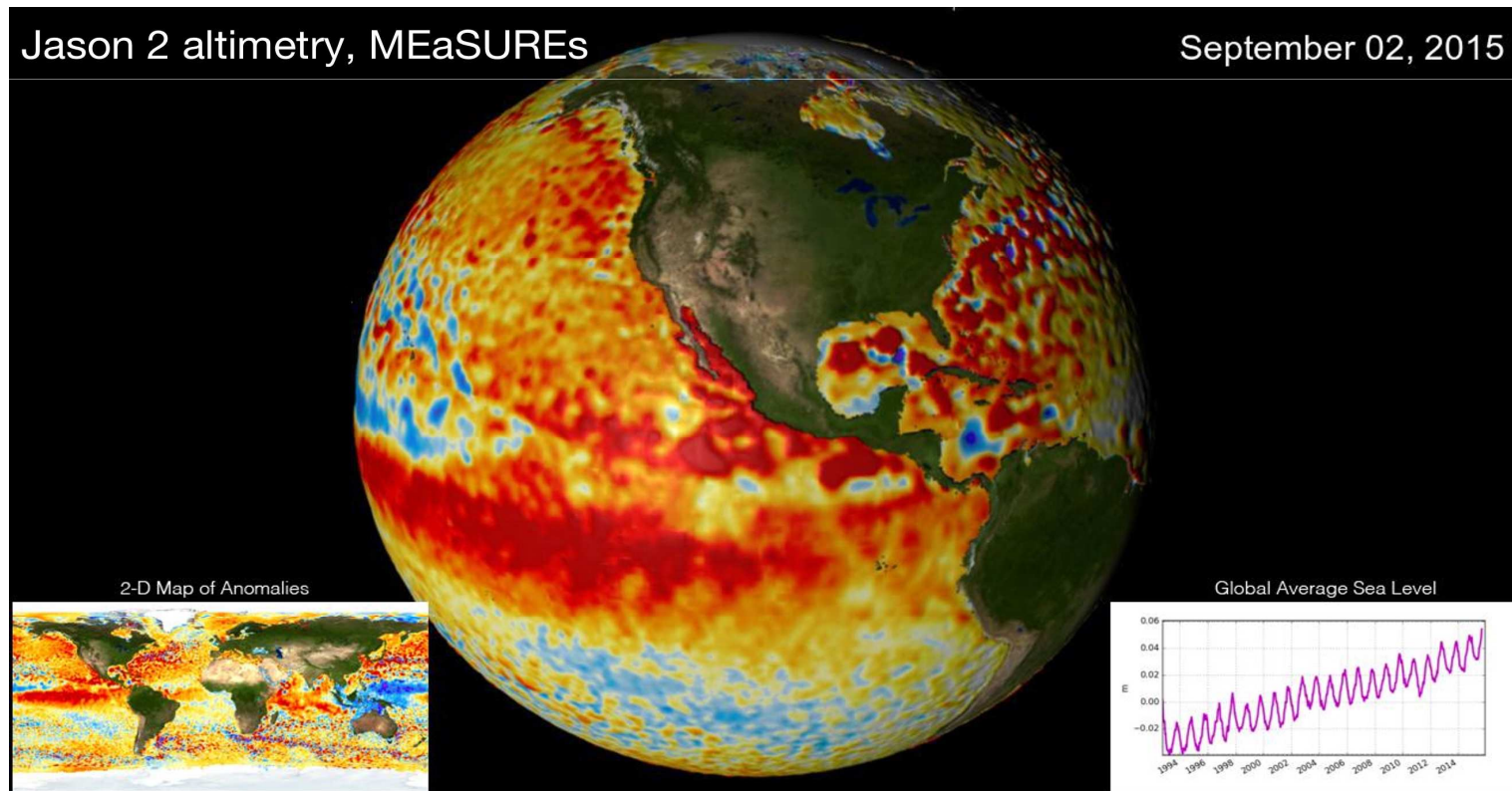
-20 -16 -12 -8 -4 0 4 8 12 16 20

Sea Surface Height Anomaly (cm)

Provider: S. Desai

# Gridded SSHA from Integrated Multi-Mission Ocean Altimeter

- Grids are generated by simple kriging with 2 satellites
- 2 datasets
  - Historical processed - orbits based on the L2 Integrated Multi-Mission Ocean Altimeter V3
  - Near real time processed – orbits are from RADARSAT

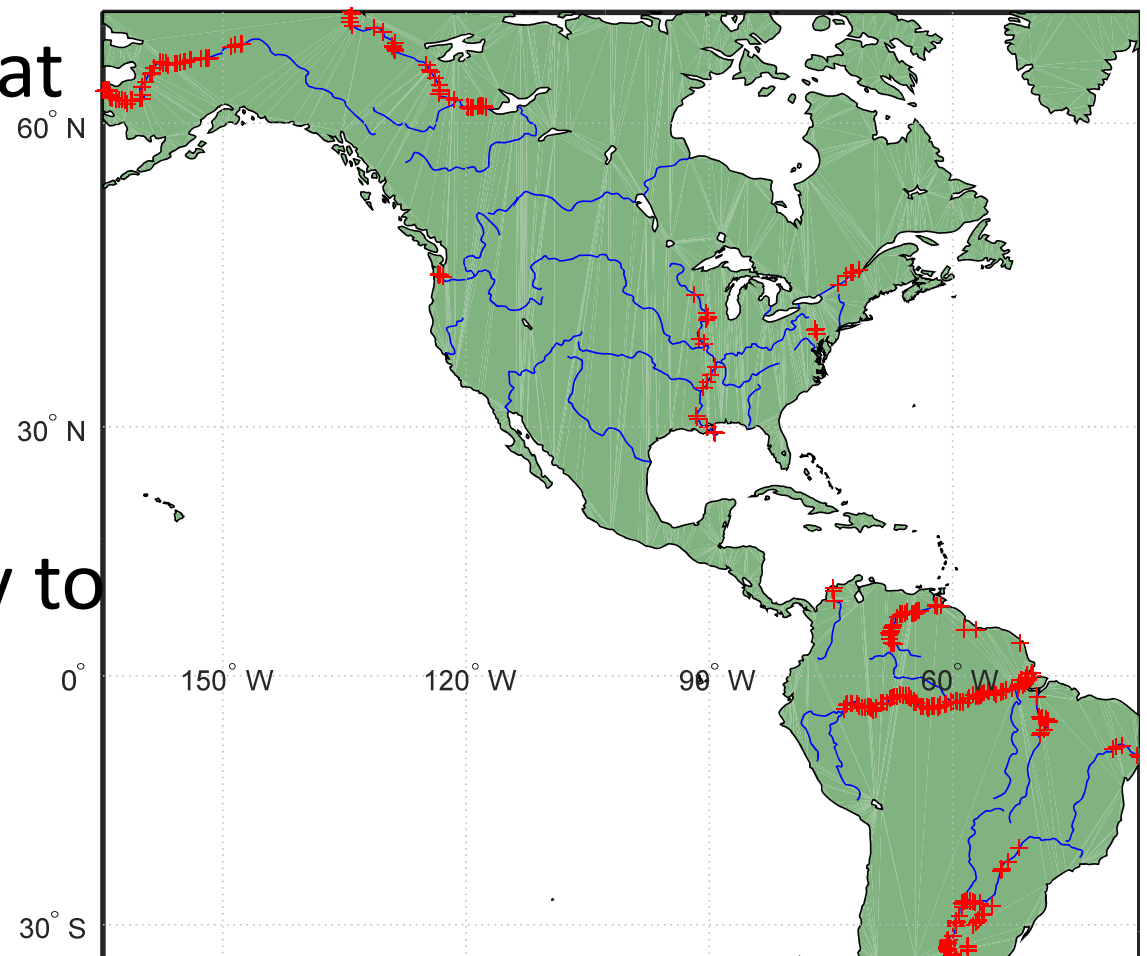


Provider: V.  
Zlotnicki



# GRRATS (Global River Radar Altimeter Time Series)

- Pre-SWOT hydrological river height time series
- Part of MEaSUREs
- Takes Jason-2 and Envisat data over rivers and creates simulated river gauges/stations
- Help transition hydrological community to using satellite data
- Poster #SC3\_005



# Metadata Compliance Checker

## <http://podaac-uat.jpl.nasa.gov/mcc/>

### Metadata Compliance Checker

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**Select a netCDF file:** maximum size 5.00 GB

MCC supports valid netCDF files including those that are compressed with gzip or bzip.

Grouped HDF5/netCDF4 files are not currently supported.

Acceptable file extensions are: .gz, .bz2, .nc, .cdf, .h5, .nc4 and .hdf.

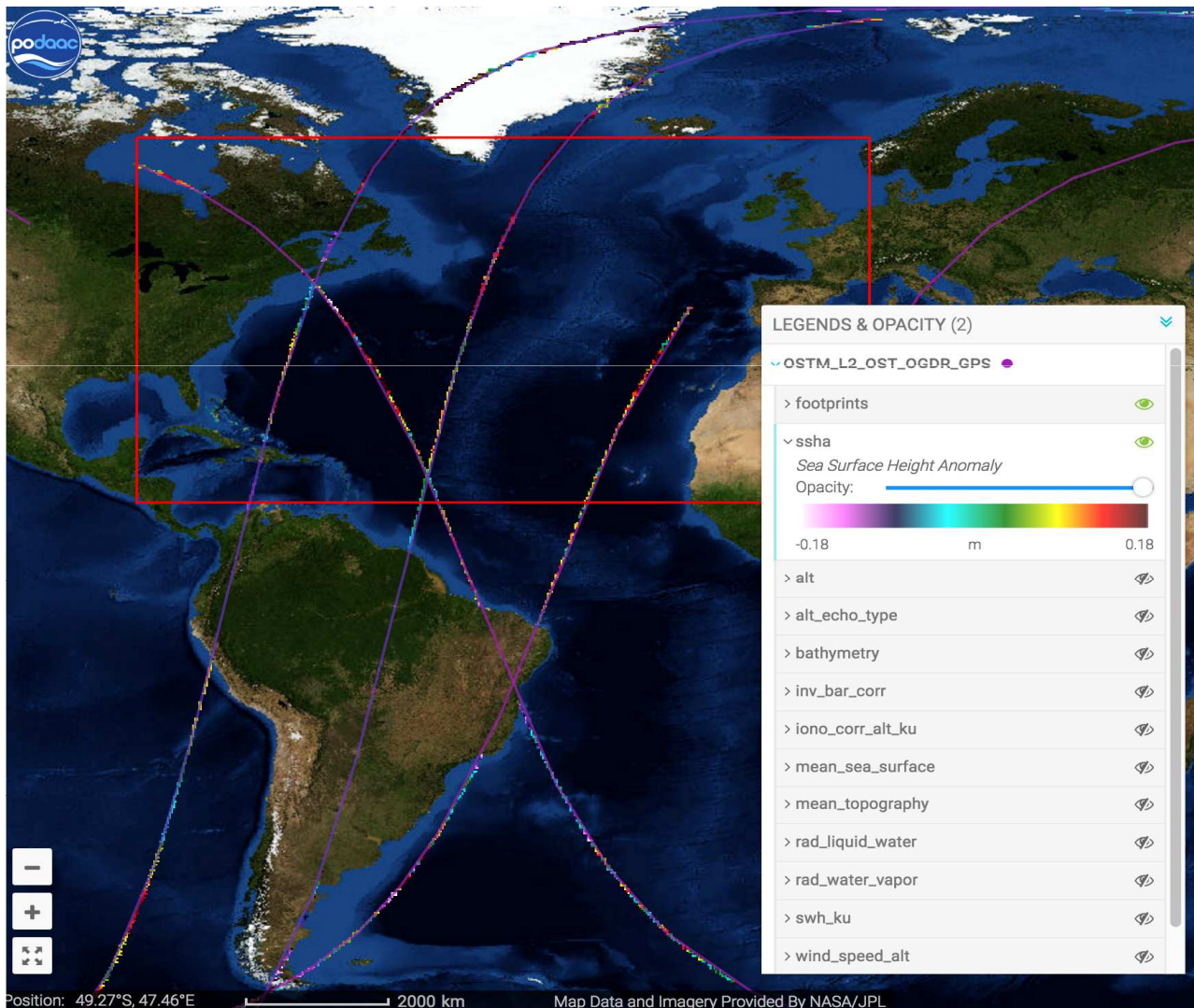
Local File	OPeNDAP URL
<div>Choose File No file chosen</div>	

### Checkers select one or more

- ☐ ACDD (Attribute Convention for Data Discovery)
  - **Description:** These conventions identify and define a list of NetCDF global attributes recommended for describing a NetCDF dataset to discovery systems such as Digital Libraries. Software tools will use these attributes for extracting metadata from datasets, and exporting to Dublin Core, DIF, ADN, FGDC, ISO 19115 etc. metadata formats.
  - **URL:** [http://wiki.esipfed.org/index.php/Attribute\\_Convention\\_for\\_Data\\_Discovery\\_1-3](http://wiki.esipfed.org/index.php/Attribute_Convention_for_Data_Discovery_1-3)
  - **Version:** 1.1 ▾
- ☐ CF (netCDF Climate and Forecast Metadata Conventions)
  - **Description:** The conventions define metadata that provide a definitive description of what the data in each variable represents, and the spatial and temporal properties of the data. This enables users of data from different sources to decide which quantities are comparable, and facilitates building applications with powerful extraction, regridding, and display capabilities. The CF conventions generalize and extend the COARDS conventions.
  - **URL:** <http://cfconventions.org/Data/cf-conventions/cf-conventions-1.6/build/cf-conventions.html>
  - **Version:** 1.6
- ☐ GDS2 (Group for High Resolution Sea Surface Temperature Data Specification, Version 2)
  - **Level:** L2P ▾
  - **Description:** The GHRSSST Data Specification (GDS) Version 2.0 is a technical specification of GHRSSST products and services.
  - **URL:** <https://www.ghrsst.org/files/download.php?m=documents&f=121009233443-GDS20r5.pdf>
  - **Version:** Version 2, Revision 5

# HiTIDE – Level 2 subsetter

## <http://podaac-tools.jpl.nasa.gov/hitide>



HiTIDE

SEARCH DATASETS GRANULE SELECTION 2 DOWNLOADS 4

### Search for Datasets

Search for datasets by date range, region, and parameter. Datasets selected in the results table will be available for subsetting and previewing in **GRANULE SELECTION**.  
*Note: Dataset granules in GRANULE SELECTION will be constrained by the date range and region filters you apply below.*

OCT 1, 2016 – TODAY -87.851, 12.305, 6.367, 63.281

Variable Sensor Provider

Found 8 matching datasets

Select	Name	Start Date	End Date
<input checked="" type="checkbox"/>	ALTIKA_SARAL_L2_OST_XOGDR	Nov 18, 2013	Today
<input type="checkbox"/>	AMSR2-REMSS-L2P-v7.2	Jul 2, 2012	Today
<input type="checkbox"/>	ASCATA-L2-25km	Mar 27, 2007	Today
<input type="checkbox"/>	ASCATA-L2-Coastal	Aug 17, 2010	Today
<input type="checkbox"/>	ASCATB-L2-25km	Oct 28, 2012	Today
<input type="checkbox"/>	ASCATB-L2-Coastal	Oct 28, 2012	Today
<input checked="" type="checkbox"/>	OSTM_L2_OST_OGDR_GPS	May 31, 2009	Today
<input type="checkbox"/>	VIIRS_NPP-NAVO-L2P-v2.0	Feb 25, 2016	Today

[SELECT & PREVIEW GRANULES FOR SELECTED DATASETS →](#)

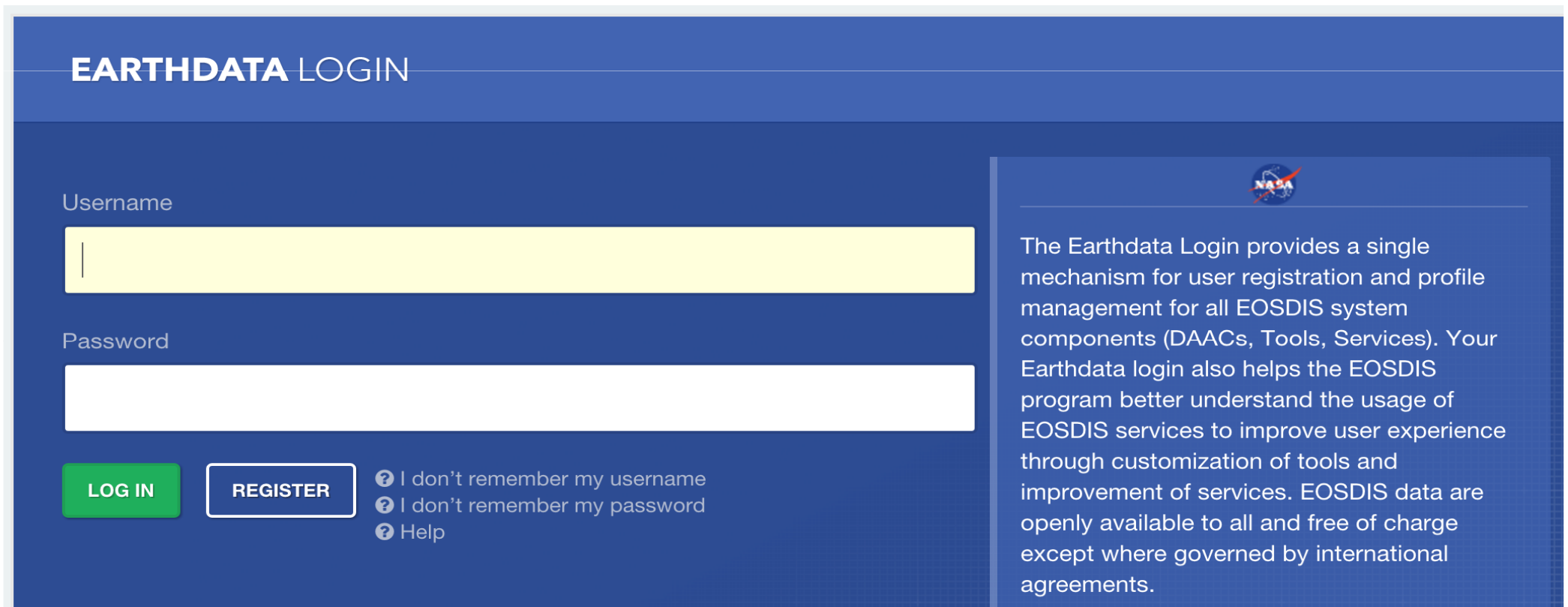
### Selected Datasets

OSTM\_L2\_OST\_OGDR\_GPS – 55 matching granules  
ALTIKA\_SARAL\_L2\_OST\_XOGDR – 110 matching granules



# User Registration

- Required user registration to access data
- Same registration for all DAACs
- <https://earthdata.nasa.gov/login>



The screenshot shows the Earthdata Login interface. At the top, a blue header contains the text "EARTHDATA LOGIN". Below this, the page is divided into two main sections. The left section contains a login form with a "Username" label above a yellow input field, and a "Password" label above a white input field. Below the password field are two buttons: a green "LOG IN" button and a white "REGISTER" button with a blue border. To the right of the "REGISTER" button are three links, each preceded by a question mark icon: "I don't remember my username", "I don't remember my password", and "Help". The right section of the page features the NASA logo at the top, followed by a paragraph of text explaining the purpose of the Earthdata Login system.


**EARTHDATA LOGIN**

Username

Password

**LOG IN** **REGISTER**

[? I don't remember my username](#)  
[? I don't remember my password](#)  
[? Help](#)



The Earthdata Login provides a single mechanism for user registration and profile management for all EOSDIS system components (DAACs, Tools, Services). Your Earthdata login also helps the EOSDIS program better understand the usage of EOSDIS services to improve user experience through customization of tools and improvement of services. EOSDIS data are openly available to all and free of charge except where governed by international agreements.


# PO.DAAC Drive

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

- Replicates FTP functionality
  - Browser based directory exploration
  - Click to download and shareable links
  - Support for curl and wget
- Sponsor Requirements
  - Earthdata login Integration
- WebDAV
  - Mount the entire archive to your machine
  - Explore, read, analyze as if the files are local
  - Works with popular tools like Panoply and NetCDF command line tools
- <https://youtu.be/VZmzWANEKBs>

# Forum

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











Physical Oceanography Distributed Active Archive Center





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It is currently Mon Oct 31, 2016 1:08 am

[View unanswered posts](#) • [View active topics](#)

PODAAC FORUMS		TOPICS	POSTS	LAST POST
 <b>General Questions</b>		13	26	by <a href="#">jvazquez</a>  Tue Oct 04, 2016 6:53 am
 <b>Data Recipes</b> Programming scripts on how to read, analyze and access PO.DAAC data		23	52	by <a href="#">yiboj</a>  Sun Oct 23, 2016 3:10 pm
 <b>Data Access</b> Tools and services		36	94	by <a href="#">dornina</a>  Fri Oct 28, 2016 3:30 am
 <b>Ocean Stories Discussions</b> A forum where our User community can discuss about Ocean Stories we've published in our Web Portal.		16	21	by <a href="#">mariakatosvic</a>  Fri Sep 16, 2016 4:26 am

FREQUENTLY ASKED QUESTIONS		TOPICS	POSTS	LAST POST
 <b>General Information FAQ</b>		24	24	by <a href="#">yiboj</a>  Sat Sep 17, 2016 8:09 pm
 <b>User Registration System (URS) FAQ</b>		4	4	by <a href="#">podaac</a>  Tue Jul 29, 2014 1:33 pm

ANNOUNCEMENTS		TOPICS	POSTS	LAST POST
 <b>PODAAC General Announcements</b>		106	109	by <a href="#">podaac</a>  Mon Oct 24, 2016 10:29 am
 <b>System Monitor Announcements</b>		14	14	by <a href="#">podaac</a>  Wed Oct 26, 2016 11:04 pm

[Advanced search](#)

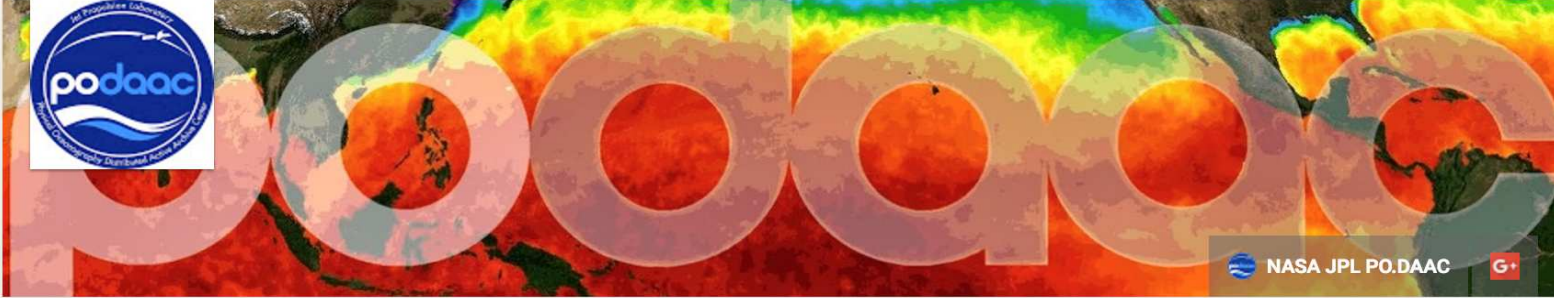
**EOSDIS User Registration System**  
[URS Home](#) | [About URS](#)

**Statistics**  
Total posts **456** • Total topics **302** • Total members **127** • Our newest member [wenhaoli](#)



# YouTube

## www.youtube.com/user/NASAJPLPODAAC

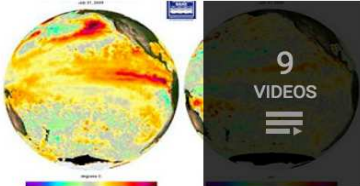


The banner features the NASA JPL PO.DAAC logo on the left, a large 'PO.DAAC' watermark in the center, and a 'NASA JPL PO.DAAC' badge with a 'G+' icon on the right.


**NASAJPLPODAAC** ✓ Subscribed 247

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← Created playlists Last video added ▾ Grid ▾



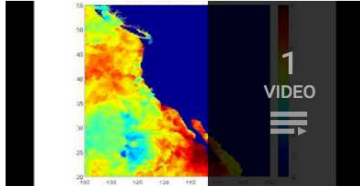
**NASA/JPL PO.DAAC ANIMATIONS**  
Updated 6 days ago  
9 VIDEOS



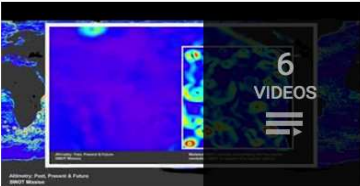
**CENTRE NATIONAL D'ETUDES SPATIALES (CNES) ANIMATIONS**  
11 VIDEOS



**NASA/GODDARD SVS ANIMATIONS**  
14 VIDEOS



**Liked videos**  
1 VIDEO



**NASA/JPL ANIMATIONS**  
6 VIDEOS

# Webinars



# EARTHDATA



 NASA Earthdata 

NASA Earthdata 

 620

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## 2016 NASA Earthdata Webinars

NASA Earthdata • 12 videos • 62 views • Last updated on Oct 3, 2016

This playlist features the recordings from our monthly NASA Earthdata webinars for 2016. These webinars are designed to help our diverse end-user communities learn more about NASA data sets and how you can discover, access and use these data. Each... more

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1



### Earthdata Webinar: Discover, Access and Subset NASA Physical Oceanography Data

by NASA Earthdata

53:15

# Questions

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

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

<http://www.youtube.com/user/NASAJPLPODAAC>

Facebook.com/podaac

Twitter: @podaac



# Digest

## PODAAC Weekly Digest

Dear jhausman,

Here is the latest digest of messages posted on PODAAC forums. Please come and join the discussion!

### General Questions

[JPL Open House - Fall 2015 - podaac](#)

### Ocean Stories Discussions

[New Animations - El Niño Watch 2015 - podaac](#)

### PODAAC General Announcements

[New version of the PO.DAAC State Of the Ocean \(SOTO\) - podaac](#)

[Jason-1 Version E GDR Release Notice - podaac](#)

User Services Office

Physical Oceanography DAAC      Email: [podaac@podaac.jpl.nasa.gov](mailto:podaac@podaac.jpl.nasa.gov)

Jet Propulsion Laboratory      WWW URL: <http://podaac.jpl.nasa.gov>

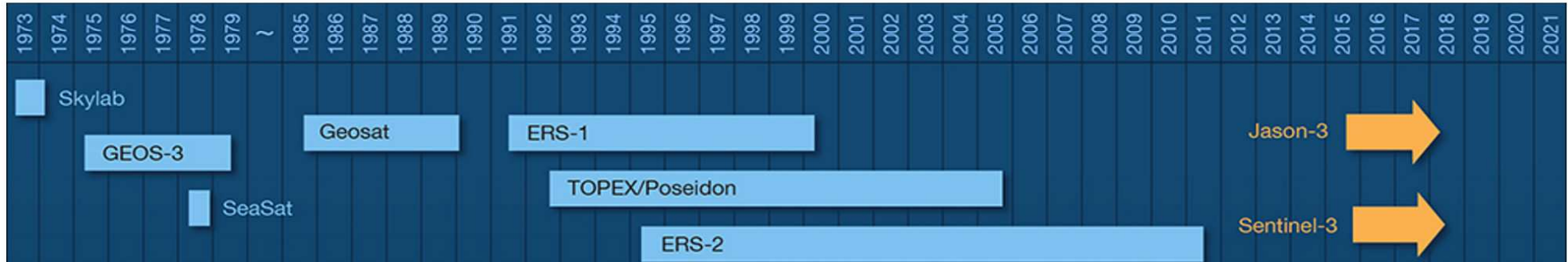
*The digest was published specifically for jhausman on Mon Oct 19, 2015 8:02 pm*

This digest is being sent to registered members of [PODAAC forums](#). You can change or delete your subscription from the [User Control Panel](#). If you have questions or feedback on the format of this digest please send it to the [PODAAC Webmaster](#).

# NASA and NOAA Altimetric and Ocean Surface Topography Data Information

Intro Missions Data Centers Data Access Coastal Hydrological Climatology Sea Level Glossary

Related Links [http://podaac.jpl.nasa.gov/Altimetric\\_Data\\_Information](http://podaac.jpl.nasa.gov/Altimetric_Data_Information)



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Gravity Sea Surface Salinity Sea Surface Temperature (SST) Ocean Currents & Circulation Ocean Surface Topography

Home » Measurements

## Ocean Surface Topography

### Related Missions

- JASON 1
- OSTM - JASON 2
- SeaSAT
- TOPEX-POSEIDON
- GEOS-3

### Data Information

The NASA and NOAA Altimetric and Ocean Surface Topography Data Information page provides more information on what satellite altimetric data are available for scientific research, especially from NASA's PO.DAAC and NOAA's NODC. While this page does not contain any data, it provides succinct descriptions and pointers to the data via dataset information pages or online tools. The information is broken up into multiple sections:

- **Missions** – This contains a chronological listing of past, present and future satellite altimetric missions.
- **Data Centers** – Provides information on mission mandated and non-mandated data centers that archive and distribute

Podaac.jpl.nasa.gov >  
measurements > Ocean Surface  
Topography

RSS feed for easy syncing